





GENERAL NOTES

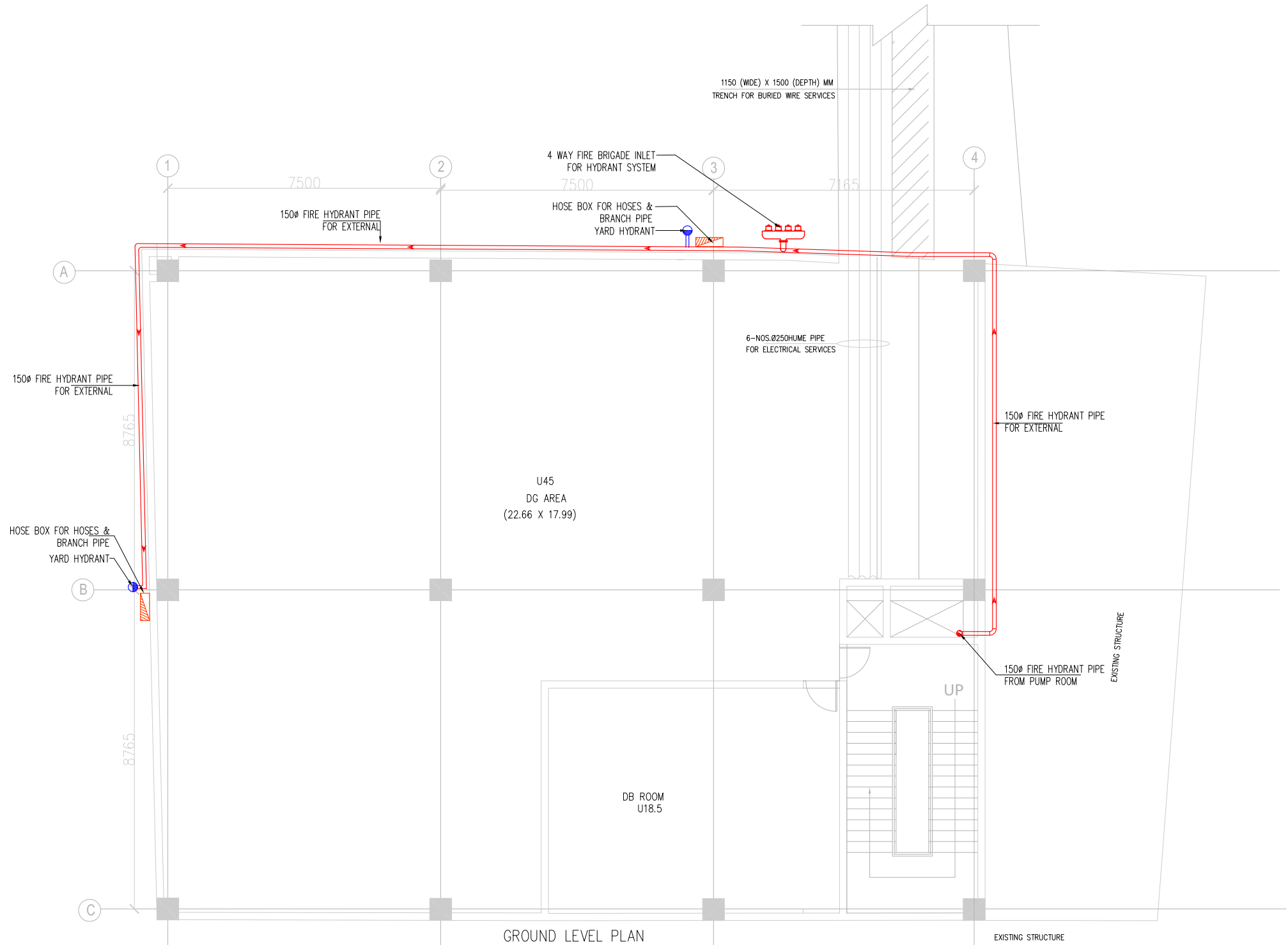
1. ALL DETAILS SHOWN ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. DISCREPANCIES, IF ANY, SHALL REFER TO THE EMPLOYER / EMPLOYER'S REPRESENTATIVE BEFORE PROCEEDING FURTHER.
2. THE CONTRACTOR SHALL NOT SCALE FROM THE DRAWINGS
3. ALL DIMENSIONS SHOWN HERE ARE IN MM UNLESS OTHERWISE STATED
4. THE CONTRACTOR HAS TO CO-ORDINATE WITH THE LOCAL AUTHORITIES FOR ANY CHANGES IN THE DESIGN, IF SO REQUIRED BY LOCAL FIRE SERVICE.
5. ALL PIPING SHALL BE GALVANISED IRON. ALL JOINTING SHALL BE WITH GROOVED COUPLINGS..
6. PIPE SUPPORTS DETAILS SHALL BE SUBMITTED PRIOR TO INSTALLATION BY THE CONTRACTOR.
7. PIPE PENETRATIONS THROUGH CONCRETE WALLS OF VENT SHAFTS, BASEMENT WALLS / SLABS OF THE STATION SHALL BE PROPERLY SEALED AND MADE WATER TIGHT.
8. PIPES PASSING THROUGH FIRE RATED WALLS / SLABS SHALL BE THROUGH SUITABLY SIZED SLEEVES OR PUDDLE FLANGES.THE GAP BETWEEN THE SLEEVE AND THE PIPE SHALL BE SEALED WITH SUITABLY FIRE RATED, FIRE SEALANTS OR AS APPROVED BY THE EMPLOYER / EMPLOYER'S REPRESENTATIVE
9. THE CONTRACTOR SHALL SUBMIT SAMPLES OF FIRE HOSE CABINET WITH ALL EQUIPMENTS INSIDE.
10. FIRE PIPES SHALL NOT BE ROUTED THROUGH ANY ELECTRICAL / ELECTRONIC ROOMS
11. ALL THREADED COMPONENTS INCLUDING BOLTS, NUTS, WASHERS AND INSERTS SHALL BE HOT DIP GALVANIZED.
12. ALL MATERIALS SUCH AS PIPES, FITTINGS, VALVES, TANKS ETC USED SHALL COMPLY TO WITH PARTICULAR SPECIFICATION AND REQUIRED STANDARD
13. DRAINAGE ARRANGEMENT FOR FHCS SHALL BE PROVIDED BY CIVIL CONTRACTOR.
14. ROUTING OF PIPES SHOWN IN DRAWING MAY BE SLIGHTLY MODIFIED TO SUIT SITE CONDITIONS TO AVOID CLASHING WITH OTHER UTILITIES / SERVICES.
15. PIPE CROSSING THROUGH SLEEVE IN STRUCTURAL BEAM (IF PROVIDED) SHALL BE PROVIDED WITH NON METALLIC GASKET TO AVOID CONTACT OF PIPE WITH SLEEVE.
16. ALL BURIED PIPE AFTER LAYING SHOULD NOT BE COVERED BEFORE TESTING.
17. ALL EQUIPMENTS AND INSTALLATION SHALL BE IN COMPLIANCE WITH BOQ, SPECIFICATIONS AND CONTRACT CONDITIONS.
18. ALL COUPLING JOINTS SHALL BE AS PER SPECIFICATION.
19. PIPE SUPPORTS TO BE MINIMUM 2 SUPPORTS IN EACH LENGTH OF PIPE.
20. PAINTING OF PIPES AND EQUIPMENT SHALL BE AS PER SPECIFICATIONS.

ABBREVIATION	
MS	MILD STEEL
GM	GUN METAL
SS	STAINLESS STEEL
AL	ALUMINIUM
FHC	FIRE HOSE CABINET
FFL	FINISHED FLOOR LEVEL
OHT	OVERHEAD TANK
UGT	UNDERGROUND TANK
PS	PRESSURE SWITCH
PG	PRESSURE GUAGE
RCC	REINFORCED CONCRETE
HY	HYDRANT
FA HOSE	FIRST AID HOSE REEL

LEGEND		
S.NO.	SYMBOL	DESCRIPTION
1		MVWS SPRAY NOZZLE K-22
2		SPRINKLER HEAD, K 80, STANDARD RESPONSE
3		FLOW SWITCH
4		DOUBLE HEADED HYDRANT VALVE
5		MOTORISED CONTROL VALVE
6		BUTTERFLY VALVE
7		FIRST AID HOSE REEL
8		HYDRANT PIPE
9		SPRINKLER PIPE
10		PLUNGER CABLE (2 x 2.5 SQ MM FS CABLE)
11		'Y' TYPE STRAINER
12		BELLOW
13		PRESSURE SWITCH
14		PRESSURE GAUGE
15		4 WAY FIRE BRIGADE INLET
16		2 WAY FIRE BRIGADE INLET
17		FIRE BRIGADE SUCTION
18		CONCENTRIC REDUCER
19		ECCENTRIC REDUCER
20		9 LTR WATER TYPE FIRE EXTINGUISHER
21		4.5 KG CO2 TYPE FIRE EXTINGUISHER
22		6 KG ABC FIRE EXTINGUISHER
23		22.5 KG CO2 TYPE FIRE EXTINGUISHER
24		YARD HYDRANT VALVE



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	PHASE 1B JAIPUR METRO PROJECT														STATION: BADI CHAUPAR			DRAWING TITLE: NOTES & LEGEND FOR FIRE FIGHTING			
	DRAWN BY : RSR														CHECKED BY: A.H			VERIFIED BY: L.R.S			JP/EW/1B/DDC01 FIRE FIGHTING
	DATE: 31-03-2015		REV: R0		GRAPHICAL SCALE: NTS			STATUS: FOR TENDER													
	DRAWING NUMBER: JP-TD-FF-118C-1002				SHEET NO. 1 OF 1		SHEET SIZE UNE A1		ORDER N° P36-0017												
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	REFERENCE DRAWINGS							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)						
	Drg. No.		Description					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/EJUG-TR		CGM(E) UG-TR		PM		CPM								
REV		PARTICULARS	DRN.	CHD.	VER.	DATE	ISSUE DATE	REV. FOR CONSTRUCTION													

LEGEND		
S.NO.	SYMBOL	DESCRIPTION
1		HYDRANT PIPE

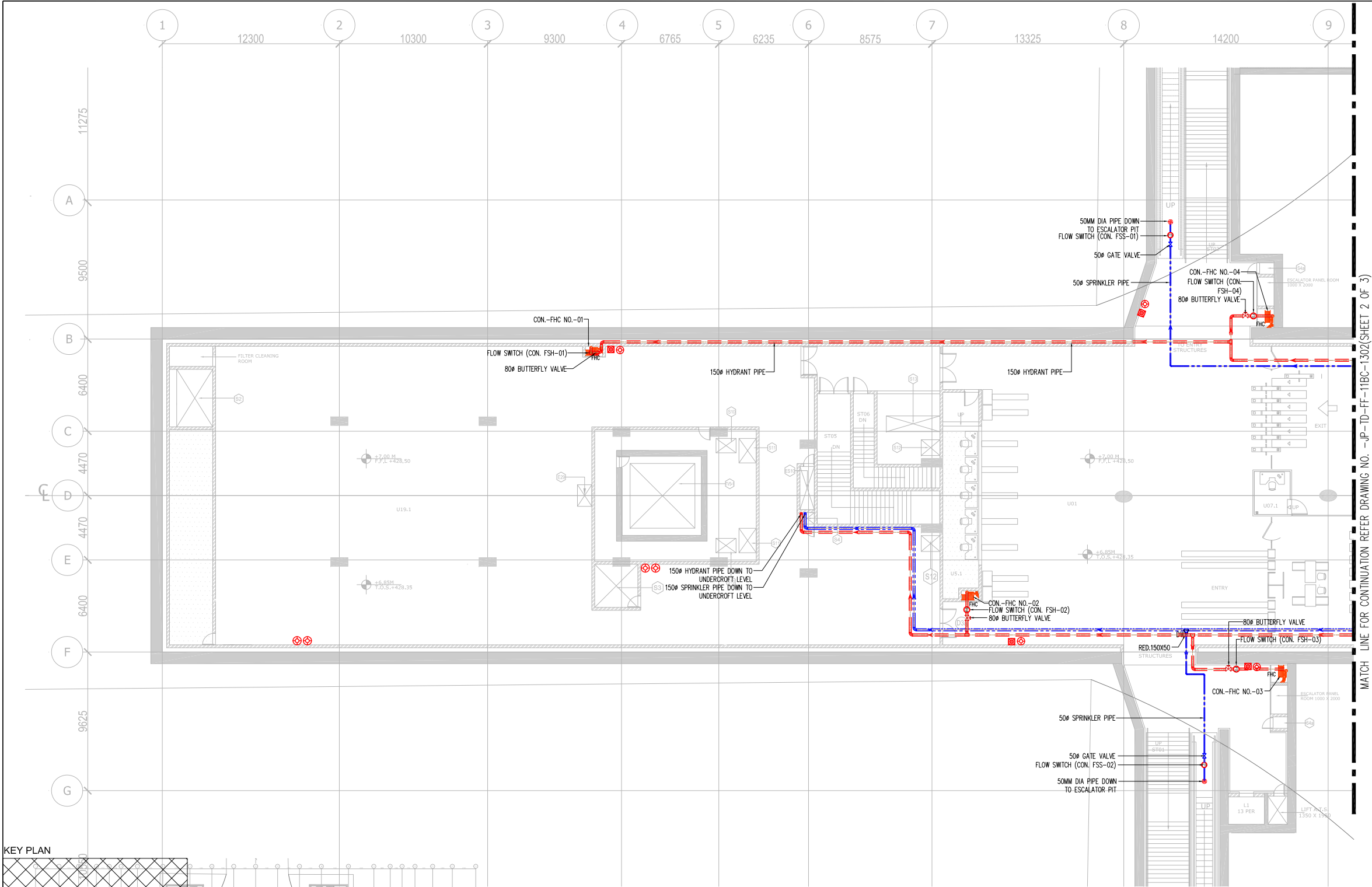


GROUND LEVEL PLAN

ROOM SCHEDULE

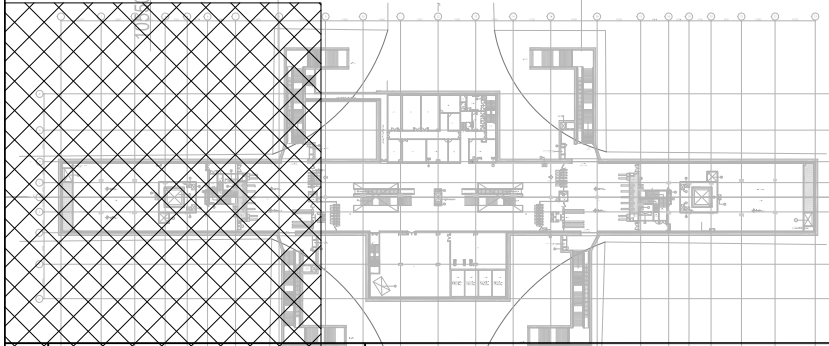
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	REFERENCE DRAWINGS								DMRC APPROVAL	MGR/ARCH	DY CA (UG)-II	CA/ARCH	Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator					
	Drg. No.								Description		DY CSTE/TELECOM	CSTE-I	DY CE/DESIGN	CE/TECH	DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPER & BADI CHOUPER), 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									
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			DY CEE(E)UG-TR	CEE(E) UG-TR	PM	CPM														
	REV	PARTICULARS	DRN.	CHD.	VER.	DATE	ISSUE DATE	REV. FOR CONSTRUCTION												

PHASE 1B JAIPUR METRO PROJECT									
STATION: BADI CHAUPAR									
DRAWING TITLE: FIRE FIGHTING - ANCILLARY BUILDING GROUND LEVEL PLAN									
DRAWN BY : RSR		CHECKED BY: A.H		VERIFIED BY: L.R.S		JP/EW/1B/DDC01 FIRE FIGHTING			
DATE:	REV: R0	GRAPHICAL SCALE: 1:150		STATUS: FOR TENDER					
DRAWING NUMBER: JP-TD-FF-11BC-1201			SHEET NO. 1 OF 1		SHEET SIZE A1		ORDER N° P36-0017		
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LEGEND		
S.NO.	SYMBOL	DESCRIPTION
1		SPRAY NOZZLE K-22
2		SPRINKLER HEAD
3		FLOW SWITCH
4		MOTORISED CONTROL VALVE
5		BUTTERFLY VALVE
6		FIRST AID HOSE REEL
7		HYDRANT PIPE
8		SPRINKLER PIPE
9		9 LTR WATER TYPE FIRE EXTINGUISHERS
10		4.5 KG CARBON DIOXIDE FIRE EXTINGUISHER
11		REDUCER
12		FIRE HOSE CABINET

KEY PLAN



PLUMBING & FIRE FIGHTING SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUT OUT POSITION
S4	PLUMBING & FIRE SHAFT & CUTOUT	1.00X0.80	0.80	FLOOR
S4a	PLUMBING SHAFT & CUTOUT	1.00X0.80	0.80	FLOOR
S4b	PLUMBING SHAFT & CUTOUT	1.90X0.63	1.20	FLOOR
S4c	PLUMBING SHAFT & CUTOUT	1.25X1.30	1.63	FLOOR

ROOM SCHEDULE				
S.NO.	ROOM SCHEDULE	ROOM NAME	DIMENSION (M.) (LxW)	AREA (Sq.m.)
1	U01	UNPAID AREA		1230.80*
2	U02	PAID AREA		1210.73*
3	U03	STATION CONTROL ROOM (SCR)	7.200 x 7.060	50.83
4	U04	STATION MANAGER ROOM (SMR)	4.300 x 7.060	29.46*
5	U05.1	TICKET OFFICE (TOM)	2.500 x 14.35	34.76*
6	U05.2	TICKET OFFICE (TOM)	2.500 x 14.35	34.46*
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	3.500 x 7.060	24.71
10	U10	STATION STORE ROOM	3.50 x 5.26	18.40
11	U12	JANITOR ROOM	1.700 x 2.000	3.40
12	U14	STAFF TOILET	1.700 x 2.500	4.24
13	U15.1(M)	PUBLIC TOILETS (Male)	5.850 x 4.700	25.36
14	U15.2(F)	PUBLIC TOILETS (Female)	4.100 x 5.835	23.47
15	U16	MESS ROOM	6.100 x 5.280	32.20
16	U18.1	DB ROOM	8.100 x 7.060	53.64*
17	U18.2	DB ROOM	6.500 x 7.060	44.80*
18	U19.1	ECS PLANT ROOM (ECS)	53.525 x 20.740	930.00*
19	U19.2	ECS PLANT ROOM (ECS)	53.525 x 20.740	930.00*
20	U22	SIGNALLING EQUIPMENT ROOM (SER)	5.565 x 10.740	59.76
21	U23	TELECOM EQUIPMENT ROOM (TER)	4.335 x 10.740	46.14*
22	U24	UPS ROOM for S&T	5.500 x 10.740	59.06
23	U 42.1	TREATED WATER TANK	5.000 x 4.500	22.50
24	U 42.2	RAIN WATER TANK	5.000 x 4.500	22.50
25	U 42.3	FIRE TANKS	5.000 x 4.500	22.50
26	U 42.4	FIRE TANKS	5.000 x 4.500	22.50
27	U46	HANDICAP TOILET	1.750 x 2.250	3.95
28	U43	PUMP ROOM	8.100 x 7.060	53.64*
29	U48	CHILLER ROOM	24.45 x 19.975	446.50*

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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
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DY CEE/EJUG-TR	CGM(E) UG-TR	PM	CPM

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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
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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: BADI CHAUPAR

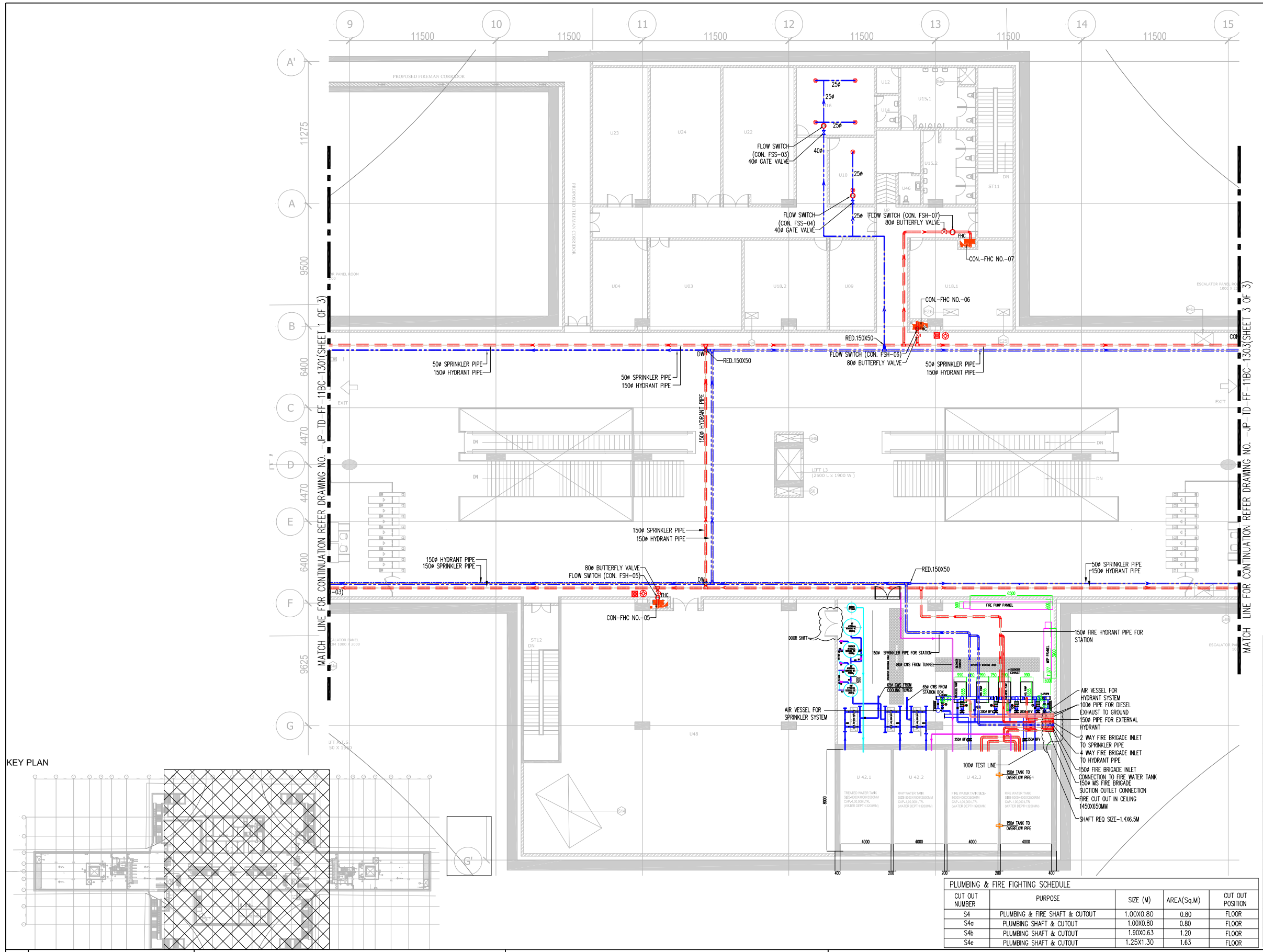
DRAWING TITLE: FIRE FIGHTING - CONCOURSE LEVEL

DRAWN BY: RSR	CHECKED BY: A.H	VERIFIED BY: L.R.S
DATE: 31-03-2015	REV: R0	GRAPHICAL SCALE: 1:150
DRAWING NUMBER: JP-TD-FF-11BC-1301	SHEET NO. 1 OF 3	SHEET SIZE A1
		ORDER N° P36-0017

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FIRE FIGHTING



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2		SPRINKLER HEAD
3		FLOW SWITCH
4		MOTORISED CONTROL VALVE
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7		HYDRANT PIPE
8		SPRINKLER PIPE
9		9 LTR WATER TYPE FIRE EXTINGUISHERS
10		4.5 KG CARBON DIOXIDE FIRE EXTINGUISHER
11		REDUCER
12		FIRE HOSE CABINET

ROOM SCHEDULE			
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1	U01	UNPAID AREA	1230.80*
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5	U05.1	TICKET OFFICE (TOM)	34.76*
6	U05.2	TICKET OFFICE (TOM)	34.46*
7	U07.1	EXCESS FARE OFFICE (EFO)	7.50
8	U07.2	EXCESS FARE OFFICE (EFO)	7.50
9	U09	SECURITY ROOM 1	24.71
10	U10	STATION STORE ROOM	18.40
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22	U24	UPS ROOM for S&T	59.06
23	U 42.1	TREATED WATER TANK	22.50
24	U 42.2	RAIN WATER TANK	22.50
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PLUMBING & FIRE FIGHTING SCHEDULE			
CUT OUT NUMBER	PURPOSE	SIZE (M)	CUT OUT POSITION
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S4a	PLUMBING SHAFT & CUTOUT	1.00X0.80	FLOOR
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Dwg. No.	Description

REVISIONS

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

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Architecture Design In-charge/ Coordinator

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PHASE 1B JAIPUR METRO PROJECT

STATION: BADI CHAUPAR

DRAWING TITLE: FIRE FIGHTING - CONCOURSE LEVEL

DRAWN BY: RSR

CHECKED BY: A.H

VERIFIED BY: L.R.S

DATE: 31-03-2015

REV: R0

GRAPHICAL SCALE: 1:150

STATUS: FOR TENDER

DRAWING NUMBER: JP-TD-FF-11BC-1302

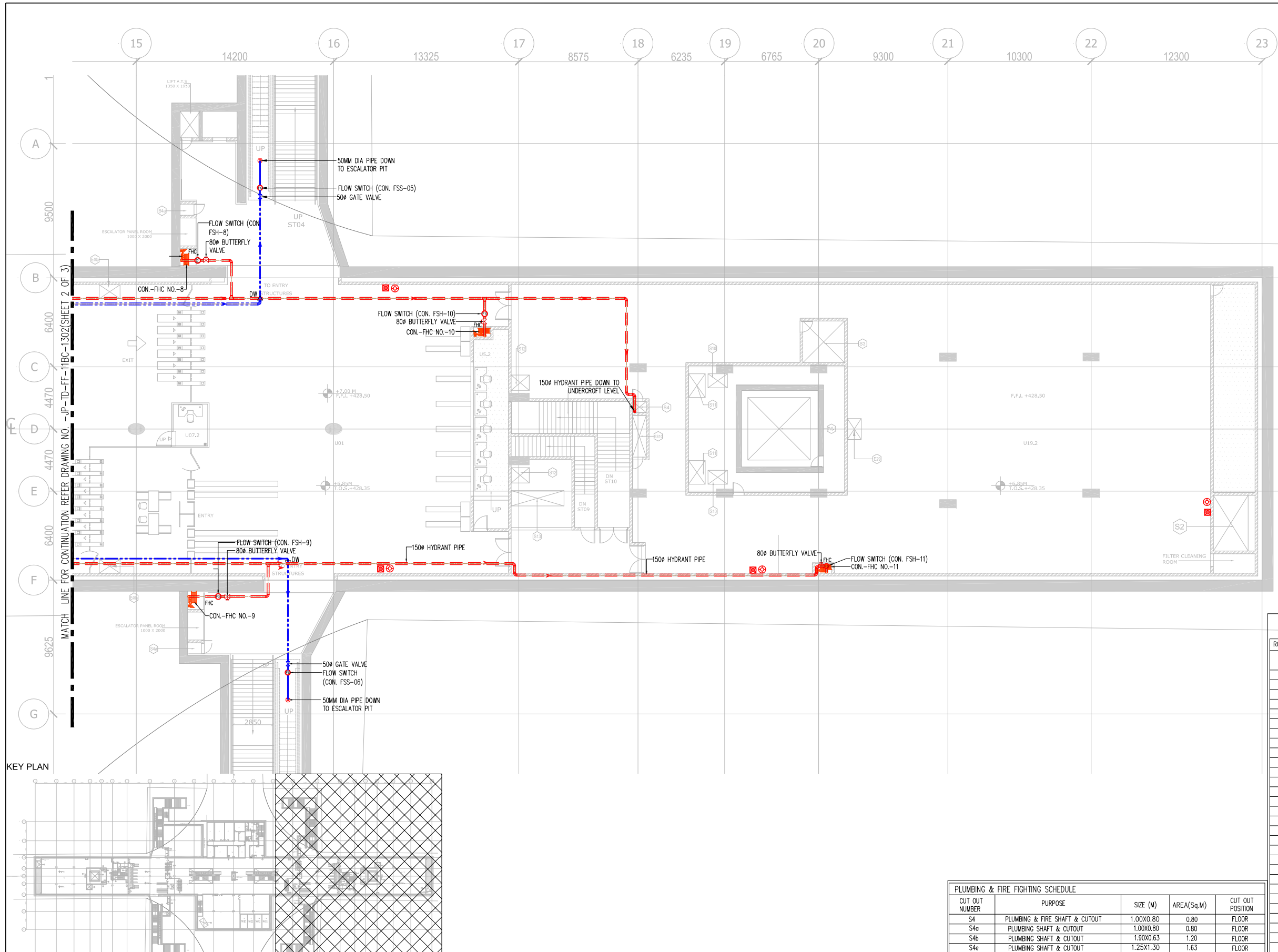
SHEET NO. 2 OF 3

SHEET SIZE A1

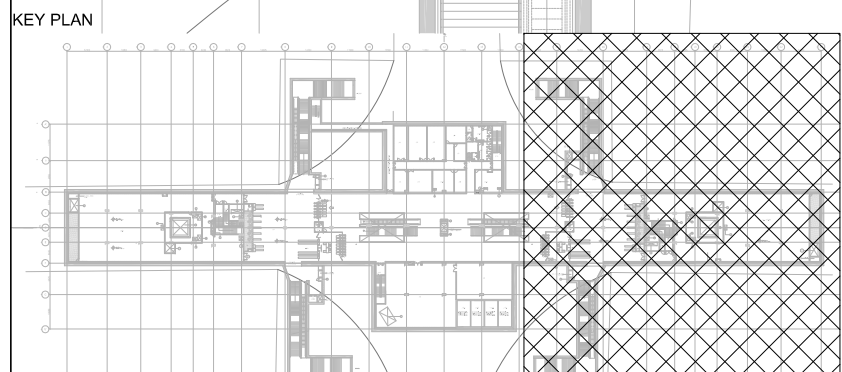
ORDER N° P36-0017

JP/EW/1B/DDC01

FIRE FIGHTING



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25	U 42.3	FIRE TANKS	5.000 x 4.500	22.50
26	U 42.4	FIRE TANKS	5.000 x 4.500	22.50
27	U46	HANDICAP TOILET	1.750 x 2.250	3.95
28	U43	PUMP ROOM	8.100 x 7.060	53.64*
29	U48	CHILLER ROOM	24.45 x 19.975	446.50*

PLUMBING & FIRE FIGHTING SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUT OUT POSITION
S4	PLUMBING & FIRE SHAFT & CUTOUT	1.00X0.80	0.80	FLOOR
S4a	PLUMBING SHAFT & CUTOUT	1.00X0.80	0.80	FLOOR
S4b	PLUMBING SHAFT & CUTOUT	1.90X0.63	1.20	FLOOR
S4c	PLUMBING SHAFT & CUTOUT	1.25X1.30	1.63	FLOOR

GENERAL NOTES	
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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

Engineering, Information, Imagination.

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

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

PHASE 1B JAIPUR METRO PROJECT
STATION: BADI CHAUPAR
DRAWING TITLE: FIRE FIGHTING - CONCOURSE LEVEL

DRAWN BY: RSR

CHECKED BY: A.H

VERIFIED BY: L.R.S

DATE: 31-03-2015

REV: R0

GRAPHICAL SCALE: 1:150

STATUS: FOR TENDER

DRAWING NUMBER: JP-TD-FF-11BC-1303

SHEET NO. 3 OF 3

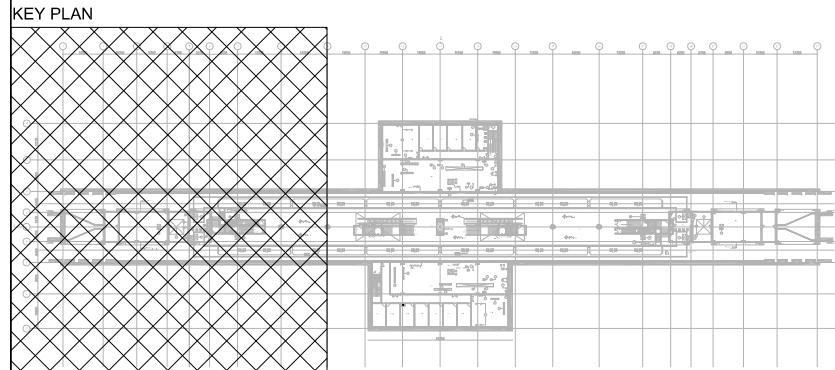
SHEET SIZE A1

ORDER N° P36-0017

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JP/EW/1B/DDC01



FIRE FIGHTING



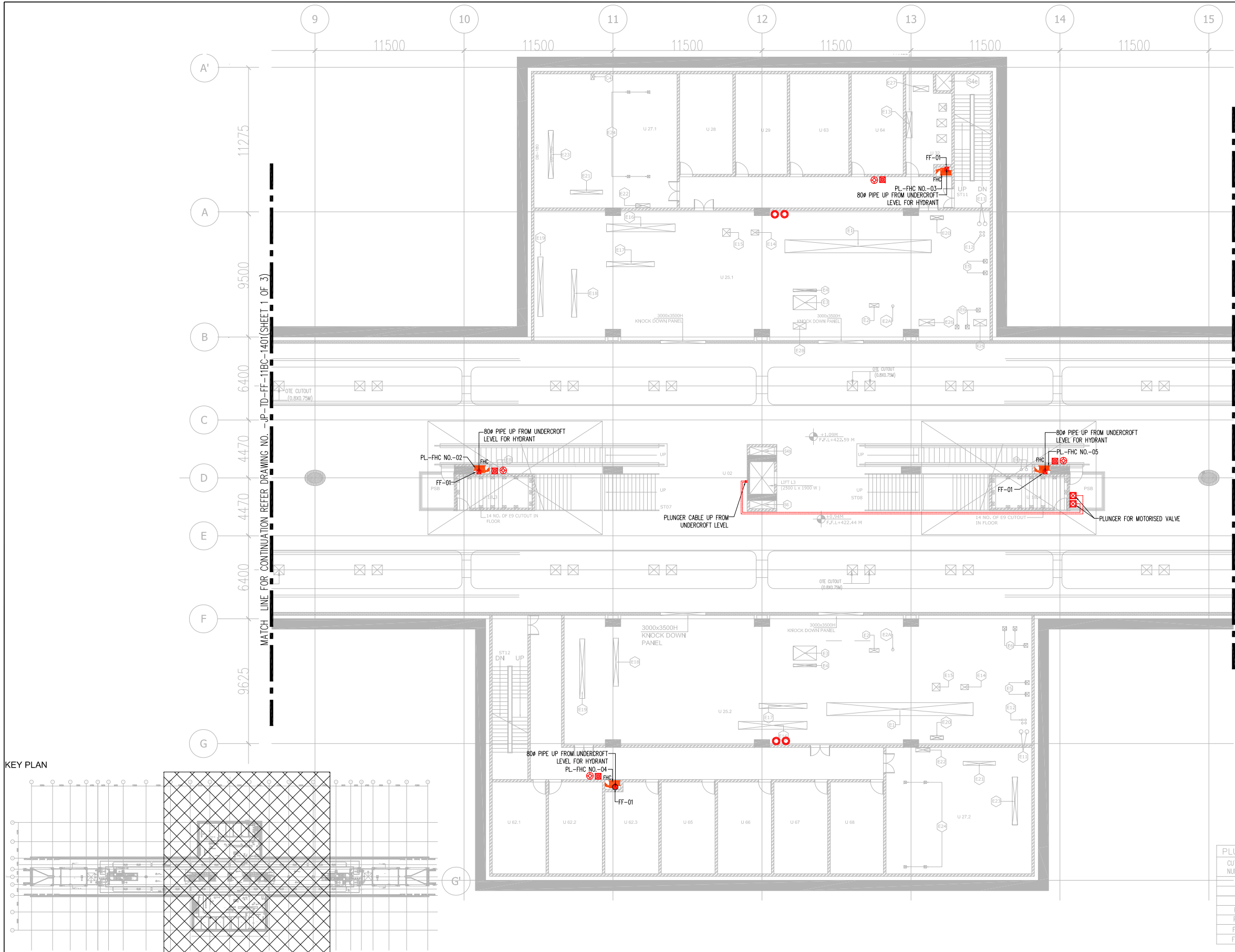
FIRE CUT OUT SCHEDULE		
CUT OUT NUMBER	SIZE	CUT OUT POSITION
FF-01	300X300	FLOOR
FF-02	600X300	FLOOR

ROOM SCHEDULE				
S.NO.	ROOM SCHEDULE	ROOM NAME	DIMENSION (MT.) (LxW)	AREA (Sqm.)
1	U02	PAID AREA		1332*
2	U08	FIRST AID SPACE	3.960 x 3.960	15.68
3	U13	REFUSE STORE 1	3.960 x 3.960	15.68
4	U18.3	DB ROOM	5.810 x 2.450	14.23
5	U18.4	DB ROOM	5.810 x 2.450	14.23
6	U25.1	AUXILIARY SUB STATION(ASS)1	35.200 x 10.060	349.43*
7	U25.2	AUXILIARY SUB STATION(ASS)2	36.100 x 10.025	357.21*
8	U27.1	ELECTRICAL UPS ROOM 1	11.050 x 10.340	114.21
9	U27.2	ELECTRICAL UPS ROOM 2	11.250 x 9.750	109.68
10	U28	GSM ROOM	4.105 x 7.740	31.77
11	U29	CDMA ROOM	4.000 x 7.740	30.96
12	U31.1	SEEPAGE ROOM 1	6.835 x 9.140	52.40*
13	U31.2	SEEPAGE ROOM 2	6.835 x 9.140	52.40*
14	U32	SEEWAGE ROOM	3.550 x 7.740	24.30*
15	U57.1	TUNNEL VENTILATION ROOM(TVS)1	14.800 x 9.140	133.70*
16	U57.2	TUNNEL VENTILATION ROOM(TVS)2	14.800 x 9.140	133.70*
17	PSB	PLATFORM SUPERVISOR BOOTH-- 2 NO	2.500 x 2.600	6.50
18	U62.1	SPARE ROOM	4.100 x 7.075	29.00
19	U62.2	SPARE ROOM	4.100 x 7.075	29.00
20	U62.3	SPARE ROOM	4.100 x 7.075	28.31*
21	U63	E & M STAFF ROOM	4.550 x 7.740	35.22
22	U64	E & M STORE ROOM	4.000 x 7.740	30.96
23	U65	L & E STAFF	4.100 x 7.075	29.00
24	U66	L & E STORE	4.100 x 7.075	29.00
25	U67	TRACTION STAFF	4.100 x 7.075	29.00
26	U68	TRACTION STAFF-STORAGE	4.100 x 7.075	29.00

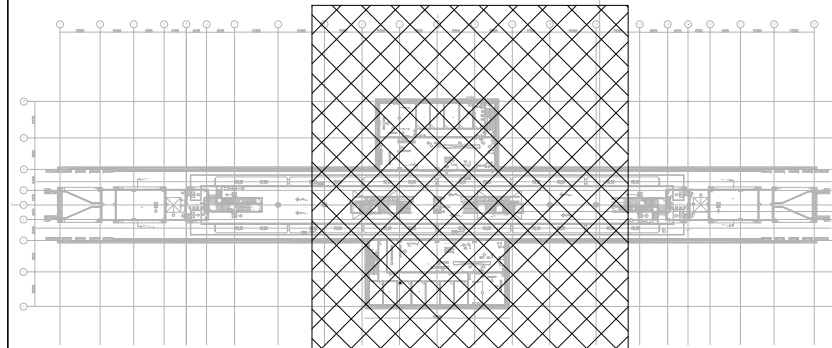
PLUMBING & FIRE FIGHTING SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.m)	CUT OUT POSITION
S4	PLUMBING & FIRE SHAFT & CUTOUT	1.00X0.80	0.80	FLOOR
S4e	PLUMBING SHAFT & CUTOUT	1.22X51.30	1.59	FLOOR
S4b	PLUMBING SHAFT & CUTOUT	1.90X0.63	1.20	FLOOR
PL01	SUMP CUTOUT	0.75X0.60	0.45	FLOOR
PL02	SUMP ACCESS CUTOUT	0.60X0.60	0.36	FLOOR
FF-01	FIRE FIGHTING CUTOUT	0.30X0.30	0.09	FLOOR
FF-02	FIRE FIGHTING CUTOUT	0.60X0.30	0.18	FLOOR

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															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				
															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  ayesa 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/EJUG-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 : RSR			CHECKED BY : A.H			VERIFIED BY : L.R.S			JP/EW/1B/DDC01 FIRE FIGHTING
DATE: 31-03-2015		REV: R0	GRAPHICAL SCALE: 1:150			STATUS: FOR TENDER			
DRAWING NUMBER: JP-TD-FF-11BC-1401						SHEET NO. 1 OF 3	SHEET SIZE A1	ORDER N° P36-0017	
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KEY PLAN



LEGEND		
S.NO.	SYMBOL	DESCRIPTION
1		MOTORISED CONTROL VALVE
2		BUTTERFLY VALVE
3		FIRST AID HOSE REEL
4		SPRINKLER PIPE
5		HYDRANT PIPE
6		2X2.5 SQ.M FS CABLE FOR PLUNGER
7		9.0 LTS WATER TYPE FIRE EXTINGUISHER
8		4.5 KG CARBON DIOXIDE FIRE EXTINGUISHER
9		22.5 KG CARBON DIOXIDE FIRE EXTINGUISHER
10		PLUNGER
11		FIRE HOSE CABINET

FIRE CUT OUT SCHEDULE		
CUT OUT NUMBER	SIZE	CUT OUT POSITION
FF-01	300X300	FLOOR
FF-02	600X300	FLOOR

ROOM SCHEDULE				
S.NO.	ROOM SCHEDULE	ROOM NAME	DIMENSION (M.L.) (LxW)	AREA (Sq.m.)
1	U02	PAID AREA		1332*
2	U08	FIRST AID SPACE	3.960 x 3.960	15.68
3	U13	REFUSE STORE 1	3.960 x 3.960	15.68
4	U18.3	DB ROOM	5.810 x 2.450	14.23
5	U18.4	DB ROOM	5.810 x 2.450	14.23
6	U25.1	AUXILIARY SUB STATION(ASS)1	35.200 x 10.060	349.43*
7	U25.2	AUXILIARY SUB STATION(ASS)2	36.100 x 10.025	357.21*
8	U27.1	ELECTRICAL UPS ROOM 1	11.050 x 10.340	114.21
9	U27.2	ELECTRICAL UPS ROOM 2	11.250 x 9.750	109.68
10	U28	GSM ROOM	4.105 x 7.740	31.77
11	U29	CDMA ROOM	4.000 x 7.740	30.96
12	U31.1	SEEPAGE ROOM 1	6.835 x 9.140	52.40*
13	U31.2	SEEPAGE ROOM 2	6.835 x 9.140	52.40*
14	U32	SEWAGE ROOM	3.550 x 7.740	24.30*
15	U57.1	TUNNEL VENTILATION ROOM(TVS)1	14.800 x 9.140	133.70*
16	U57.2	TUNNEL VENTILATION ROOM(TVS)2	14.800 x 9.140	133.70*
17	PSB	PLATFORM SUPERVISOR BOOTH- 2 NO	2.500 x 2.600	6.50
18	U62.1	SPARE ROOM	4.100 x 7.075	29.00
19	U62.2	SPARE ROOM	4.100 x 7.075	29.00
20	U62.3	SPARE ROOM	4.100 x 7.075	28.31*
21	U63	E & M STAFF ROOM	4.550 x 7.740	35.22
22	U64	E & M STORE ROOM	4.000 x 7.740	30.96
23	U65	L & E STAFF	4.100 x 7.075	29.00
24	U66	L & E STORE	4.100 x 7.075	29.00
25	U67	TRACTION STAFF	4.100 x 7.075	29.00
26	U68	TRACTION STAFF-STORE	4.100 x 7.075	29.00

PLUMBING & FIRE FIGHTING SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUT OUT POSITION
S4	PLUMBING & FIRE SHAFT & CUTOFF	1.00X0.80	0.80	FLOOR
S4e	PLUMBING SHAFT & CUTOFF	1.225X1.30	1.59	FLOOR
S4b	PLUMBING SHAFT & CUTOFF	1.90X0.63	1.20	FLOOR
PL01	SUMP CUTOFF	0.75X0.60	0.45	FLOOR
PL02	SUMP ACCESS CUTOFF	0.60X0.60	0.36	FLOOR
FF-01	FIRE FIGHTING CUTOFF	0.30X0.30	0.09	FLOOR
FF-02	FIRE FIGHTING CUTOFF	0.60X0.30	0.18	FLOOR

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

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

PHASE 1B JAIPUR METRO PROJECT

STATION: BADI CHAUPAR

DRAWING TITLE: FIRE FIGHTING - PLATFORM LEVEL

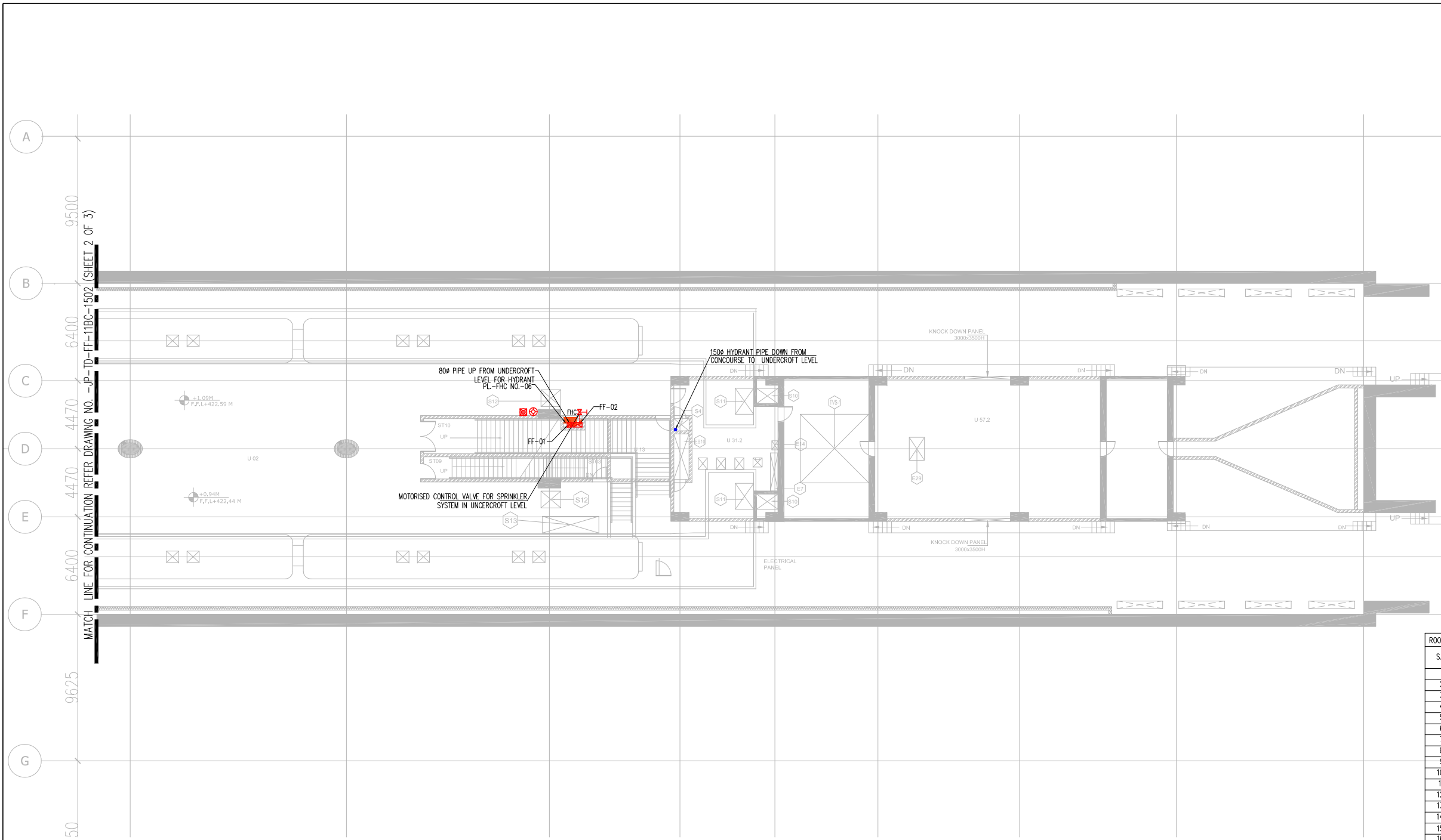
DRAWN BY:	CHECKED BY:	VERIFIED BY:
RSR	A.H	L.R.S

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

DRAWING NUMBER:	SHEET NO.	SHEET SIZE	ORDER N°
JP-TD-FF-11BC-1402	2 OF 3	A1	P36-0017

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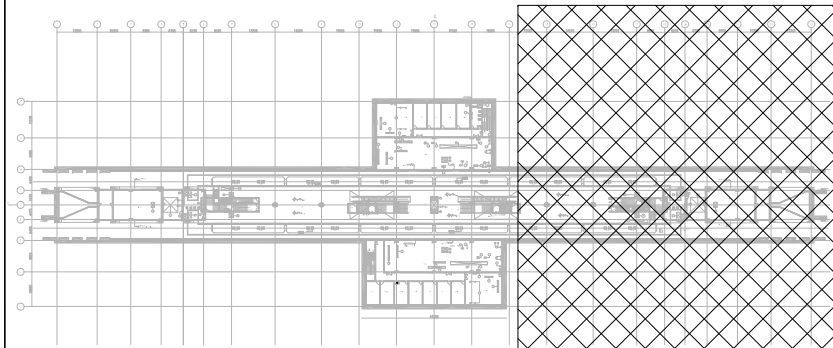
JP/EW/1B/DDC01
FIRE FIGHTING



LEGEND		
S.NO.	SYMBOL	DESCRIPTION
1		MOTORISED CONTROL VALVE
2		BUTTERFLY VALVE
3		FIRST AID HOSE REEL
4		SPRINKLER PIPE
5		HYDRANT PIPE
6		2X2.5 SQ.M FS CABLE FOR PLUNGER
7		9.0 LTS WATER TYPE FIRE EXTINGUISHER
8		4.5 KG CARBON DIOXIDE FIRE EXTINGUISHER
9		22.5 KG CARBON DIOXIDE FIRE EXTINGUISHER
10		PLUNGER
11		FIRE HOSE CABINET


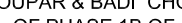
FIRE CUT OUT SCHEDULE		
CUT OUT NUMBER	SIZE	CUT OUT POSITION
FF-01	300X300	FLOOR
FF-02	600X300	FLOOR

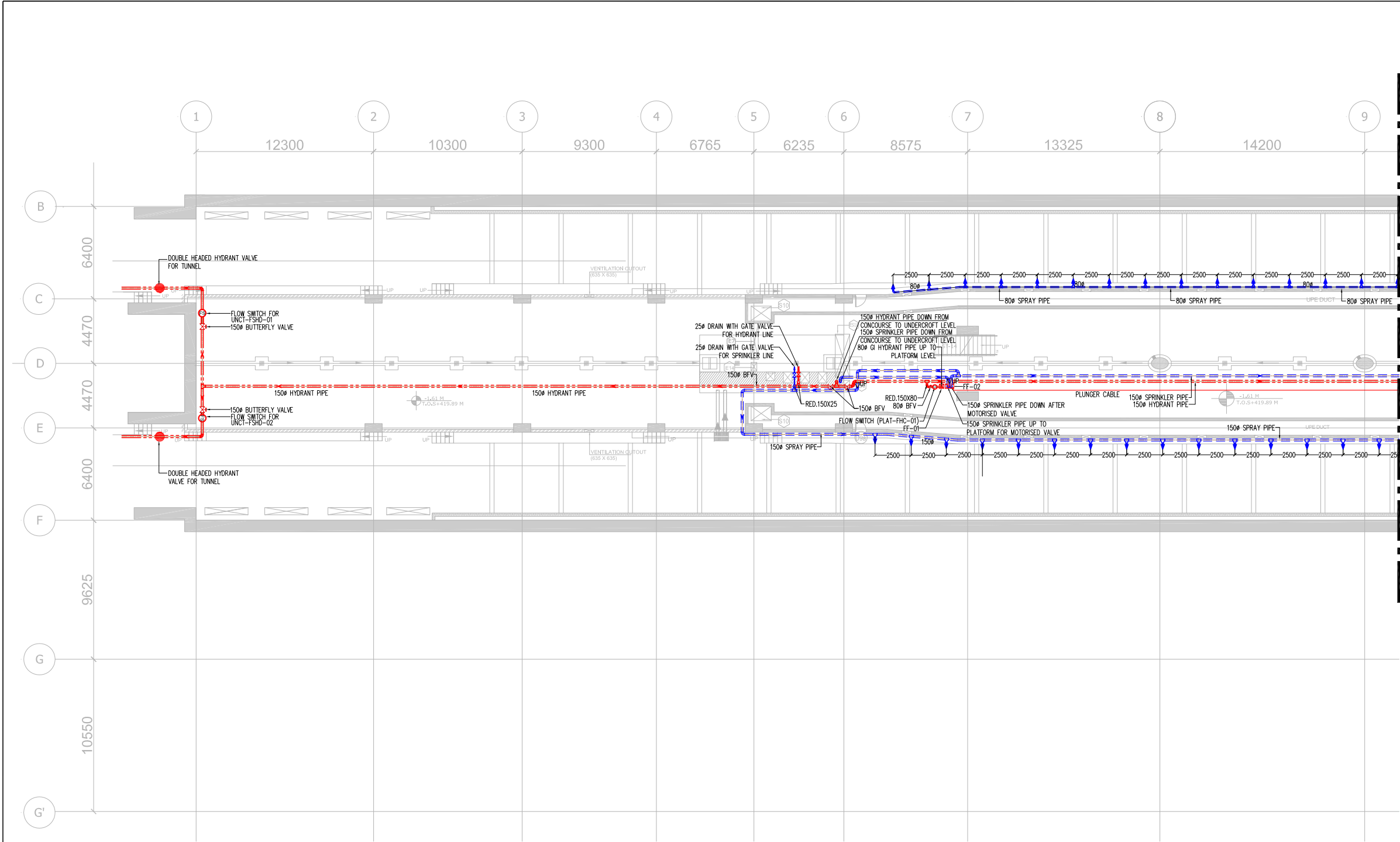
KEY PLAN



ROOM SCHEDULE				
S.NO.	ROOM SCHEDULE	ROOM NAME	DIMENSION (M.L.) (LxW)	AREA (Sq.m.)
1	U02	PAID AREA		1332*
2	U08	FIRST AID SPACE	3.960 x 3.960	15.68
3	U13	REFUSE STORE 1	3.960 x 3.960	15.68
4	U18.3	DB ROOM	5.810 x 2.450	14.23
5	U18.4	DB ROOM	5.810 x 2.450	14.23
6	U25.1	AUXILIARY SUB STATION(ASS)1	35.200 x 10.060	349.43*
7	U25.2	AUXILIARY SUB STATION(ASS)2	36.100 x 10.025	357.21*
8	U27.1	ELECTRICAL UPS ROOM 1	11.050 x 10.340	114.21
9	U27.2	ELECTRICAL UPS ROOM 2	11.250 x 9.750	109.68
10	U28	GSM ROOM	4.105 x 7.740	31.77
11	U29	CDMA ROOM	4.000 x 7.740	30.96
12	U31.1	SEEPAGE ROOM 1	6.835 x 9.140	52.40*
13	U31.2	SEEPAGE ROOM 2	6.835 x 9.140	52.40*
14	U32	SEEWAGE ROOM	3.550 x 7.740	24.30*
15	U57.1	TUNNEL VENTILATION ROOM(TVS)1	14.800 x 9.140	133.70*
16	U57.2	TUNNEL VENTILATION ROOM(TVS)2	14.800 x 9.140	133.70*
17	PSB	PLATFORM SUPERVISOR BOOTH-- 2 NO	2.500 x 2.600	6.50
18	U62.1	SPARE ROOM	4.100 x 7.075	29.00
19	U62.2	SPARE ROOM	4.100 x 7.075	29.00
20	U62.3	SPARE ROOM	4.100 x 7.075	28.31*
21	U63	E & M STAFF ROOM	4.550 x 7.740	35.22
22	U64	E & M STAFF ROOM	4.000 x 7.740	30.96
23	U65	L & E STAFF	4.100 x 7.075	29.00
24	U66	L & E STORE	4.100 x 7.075	29.00
25	U67	TRACTION STAFF	4.100 x 7.075	29.00
26	U68	TRACTION STAFF-STORE	4.100 x 7.075	29.00

PLUMBING & FIRE FIGHTING SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUT OUT POSITION
S4	PLUMBING & FIRE SHAFT & CUTOUT	1.00X0.80	0.80	FLOOR
S4a	PLUMBING SHAFT & CUTOUT	1.225X1.30	1.59	FLOOR
S4b	PLUMBING SHAFT & CUTOUT	1.90X0.63	1.20	FLOOR
PL01	SUMP CUTOUT	0.75X0.60	0.45	FLOOR
PL02	SUMP ACCESS CUTOUT	0.60X0.60	0.36	FLOOR
FF-01	FIRE FIGHTING CUTOUT	0.30X0.30	0.09	FLOOR
FF-02	FIRE FIGHTING CUTOUT	0.60X0.30	0.18	FLOOR

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	REFERENCE DRAWINGS										REV	PARTICULARS	DRN.	CHD.	VER.	DATE	ISSUE DATE	REV. FOR CONSTRUCTION	DMRC APPROVAL	MGR/ARCH	DY CA (UG)-III	CA/ARCH	<div>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</div> <div> Engineering, Information, Imagination. 56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)</div>	Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
	Drg. No.																		DY CSTE/TELECOM	CSTE-I	DY CE/DESIGN	CE/TECH				
	Description																		DY CSTE/AFC		ED/S&T	CSO				
																			DY CSTE/SIGNALLING	CSTE-III	GMO	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				

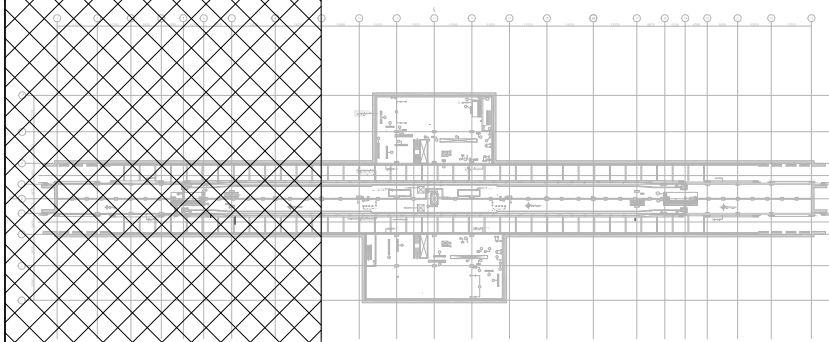


MATCH LINE FOR CONTINUATION REFER DRAWING NO. - JP-TD-FF-11BC-1502(SHEET 2 OF 3)

LEGEND		
S.NO.	SYMBOL	DESCRIPTION
1		SPRAY NOZZLE K-22
2		DOUBLE HEADED HYDRANT VALVE
3		FLOW SWITCH
4		MOTORISED CONTROL VALVE
5		BUTTERFLY VALVE
6		FIRST AID HOSE REEL
7		HYDRANT PIPE
8		SPRINKLER PIPE
9		2X2.5 SQ.M FS CABLE FOR PLUNGER

FIRE CUT OUT SCHEDULE		
CUT OUT NUMBER	SIZE	CUT OUT POSITION
FF-01	300X300	CEILING
FF-02	600X300	CEILING

KEY PLAN



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- 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

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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)

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Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001

PHASE 1B JAIPUR METRO PROJECT

STATION: BADI CHAUPAR

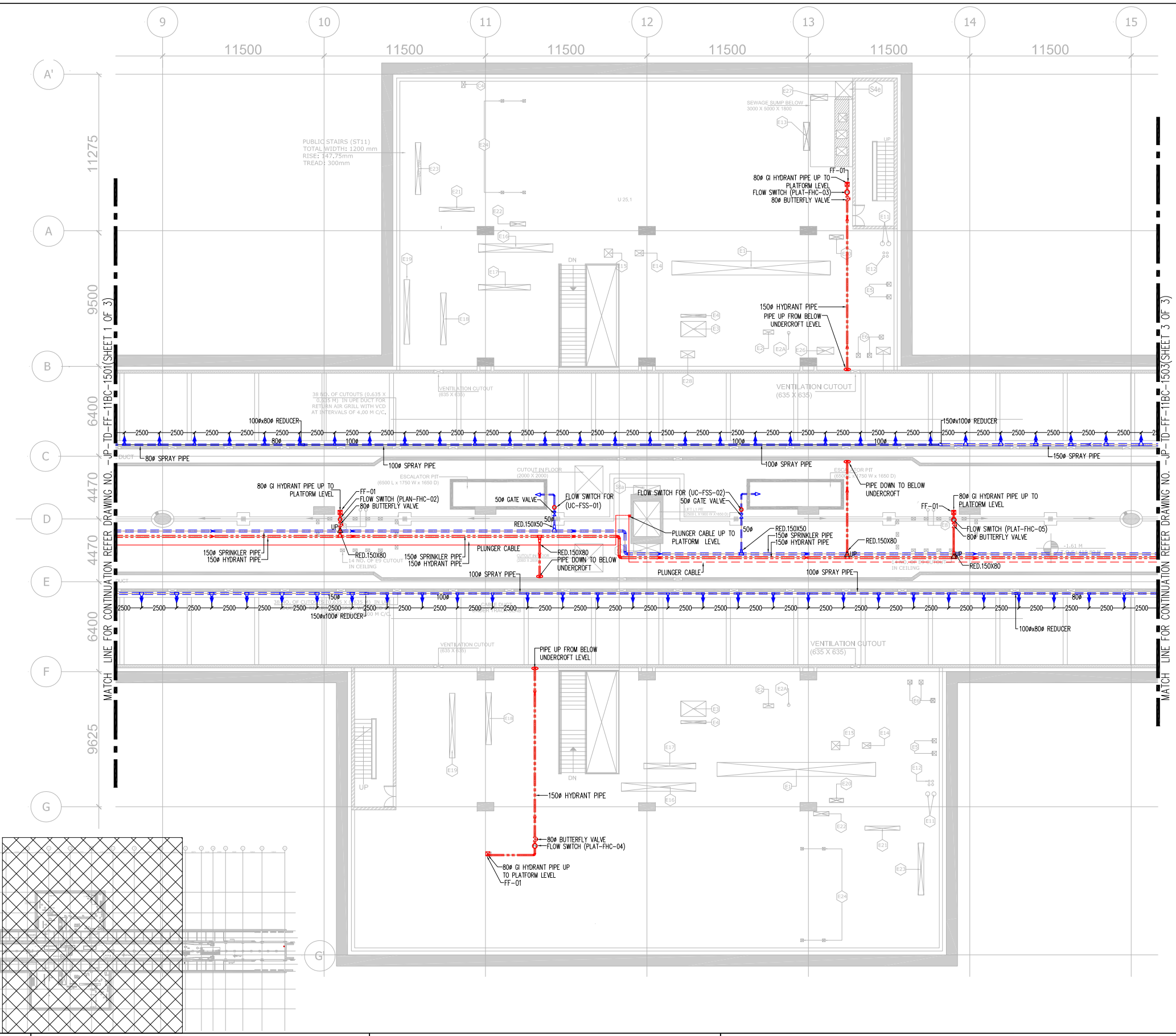
DRAWING TITLE: FIRE FIGHTING - UNDERCROFT LEVEL

DRAWN BY:	CHECKED BY:	VERIFIED BY:
RSR	A.H	L.R.S

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

DRAWING NUMBER:	SHEET NO.	SHEET SIZE	ORDER N°
JP-TD-FF-11BC-1501	1 OF 3	A1	P36-0017

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LEGEND		
S.NO.	SYMBOL	DESCRIPTION
1		SPRAY NOZZLE K-22
2		DOUBLE HEADED HYDRANT VALVE
3		FLOW SWITCH
4		MOTORISED CONTROL VALVE
5		BUTTERFLY VALVE
6		FIRST AID HOSE REEL
7		HYDRANT PIPE
8		SPRINKLER PIPE
9		2X2.5 SQ.M FS CABLE FOR PLUNGER

FIRE CUT OUT SCHEDULE		
CUT OUT NUMBER	SIZE	CUT OUT POSITION
FF-01	300X300	CEILING
FF-02	600X300	CEILING

KEY PLAN

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REFERENCE DRAWINGS	
Dwg. No.	Description

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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

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PHASE 1B JAIPUR METRO PROJECT

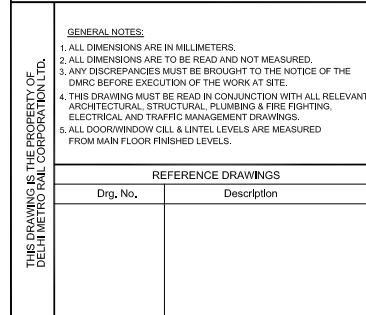
STATION: BADI CHAUPAR

DRAWING TITLE: FIRE FIGHTING - UNDERCROFT LEVEL



DRAWN BY: RSR	CHECKED BY: A.H	VERIFIED BY: L.R.S
DATE: 31-03-2015	REV: R0	GRAPHICAL SCALE: 1:150
DRAWING NUMBER: JP-TD-FF-11BC-1502	SHEET NO. 2 OF 3	SHEET SIZE A1

STATUS: FOR TENDER
ORDER N° P36-0017

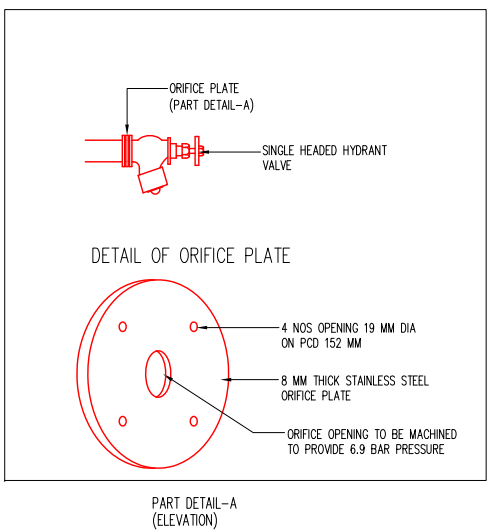
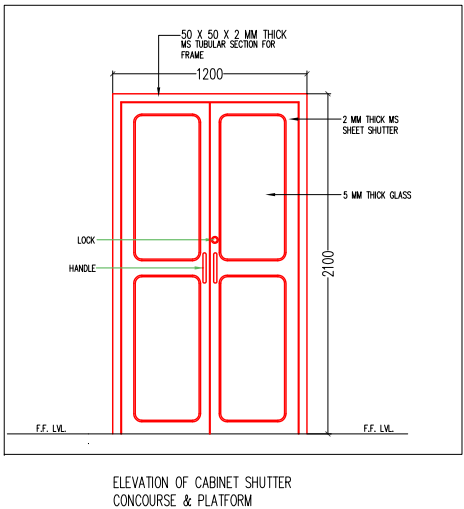
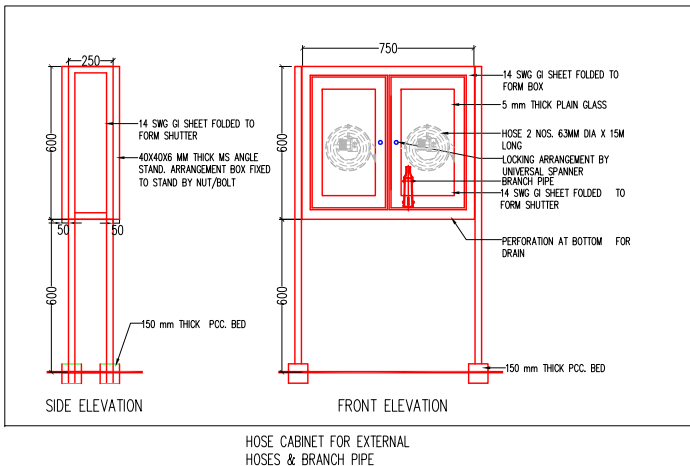
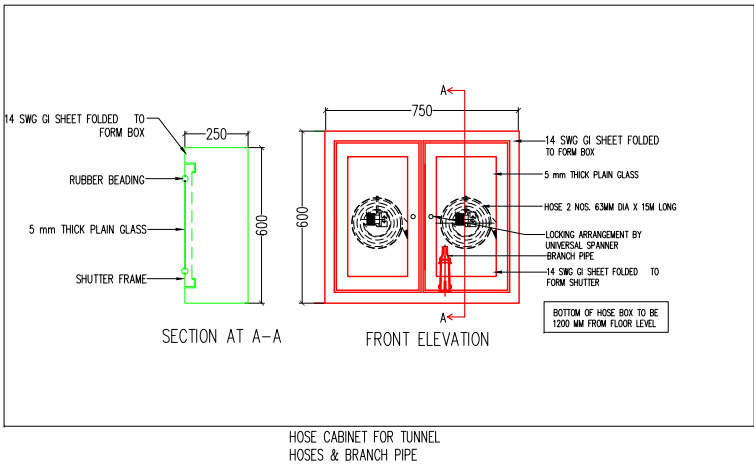
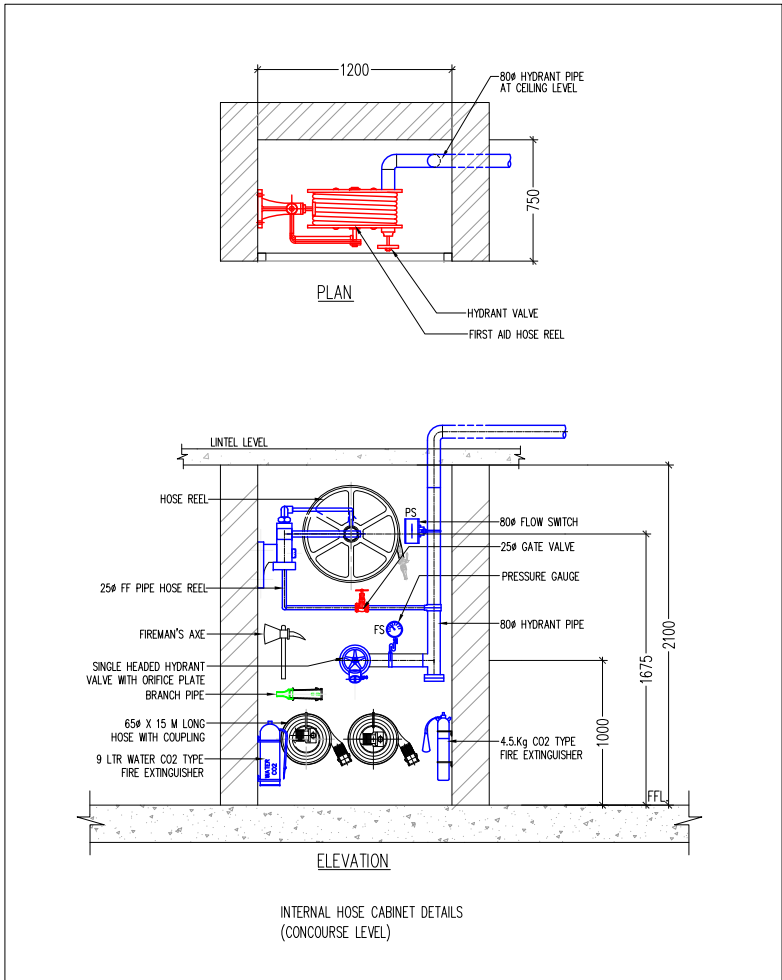
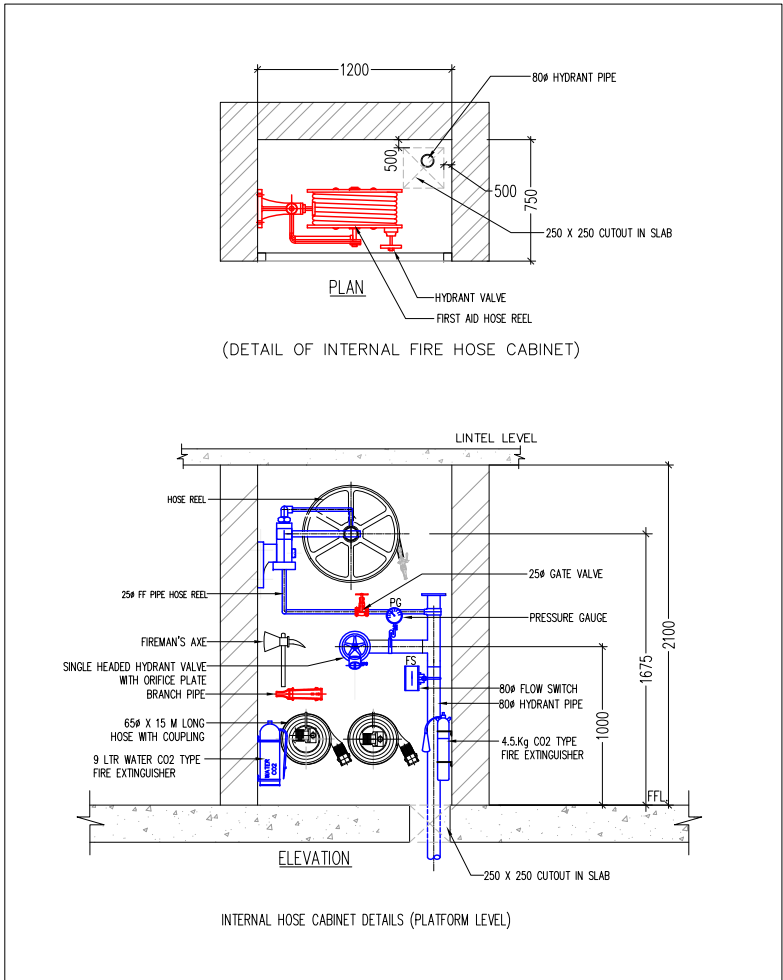
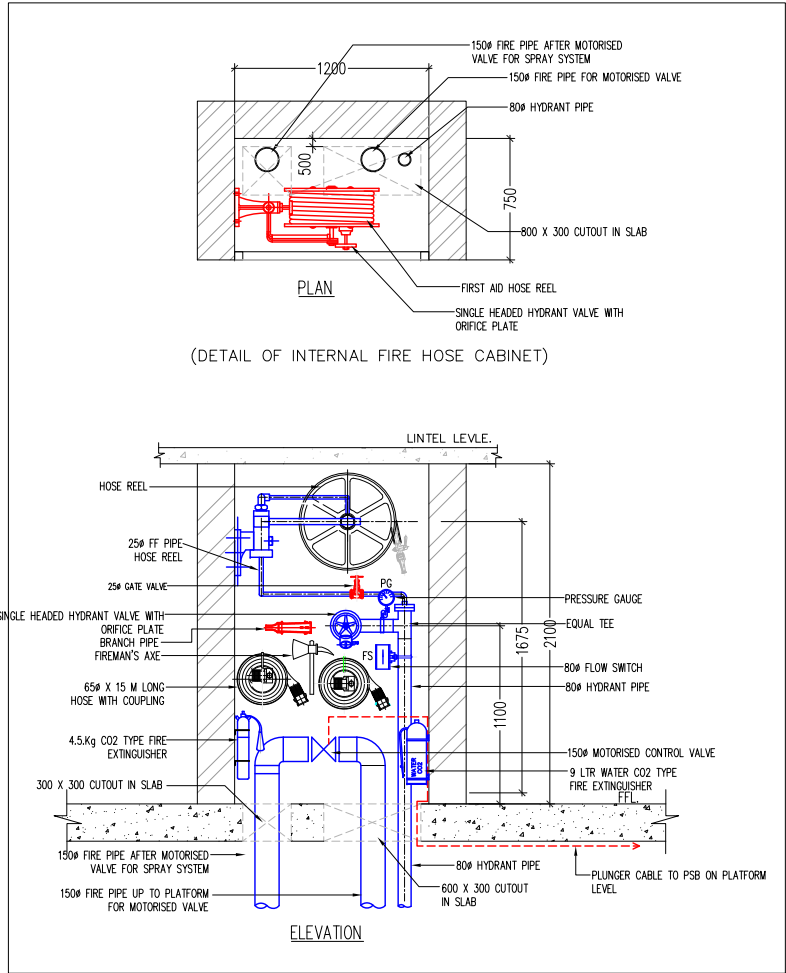
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<p align="center"> DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO </p> <p align="center">   Engineering, Information, Imagination. </p> <p align="center"> 56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana) </p>		

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PHASE 1B JAIPUR METRO PROJECT									
STATION: BADI CHAUPAR									
DRAWING TITLE: FIRE FIGHTING - UNDERCROFT LEVEL									
DRAWN BY: RSR		CHECKED BY: A.H		VERIFIED BY: L.R.S		JP/EW/1B/DDC01		FIRE FIGHTING	
DATE: 31-03-2015	REV: R0	GRAPHICAL SCALE: 1:150		STATUS: FOR TENDER					
DRAWING NUMBER: JP-TD-FF-11BC-1503			SHEET NO. 3 OF 3	SHEET SIZE A1	ORDER N° P36-0017				
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EACH FHC CONTAINS
SINGLE HEADED HYDRANT VALVE, 2 NOS. SYNTHETIC HOSE PIPE, FIRST AID HOSE REEL, BRANCH PIPE, PRESSURE GAUGE, FIREMAN'S AXE, 9 LTR WATER TYPE FIRE EXTINGUISHER & 4.5 KG CO2 TYPE FIRE EXTINGUISHER.

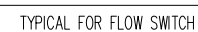
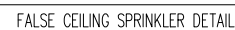
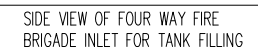
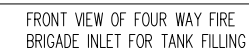
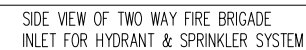
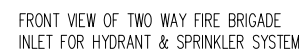
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Dwg. No.	Description	

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DY CSTE/SIGNALLING	CSTE-II	GM/O	GMM
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PHASE 1B JAIPUR METRO PROJECT											
STATION: BADI CHAUPAR											
DRAWING TITLE: TYPICAL DETAIL OF FIRE HOSE CABINET											
DRAWN BY: RSR			CHECKED BY: A.H			VERIFIED BY: L.R.S			JP/EW/1B/DDC01	FIRE FIGHTING	
DATE: 31-03-2015		REV: R0	GRAPHICAL SCALE: N.T.S.			STATUS: FOR TENDER					
DRAWING NUMBER: JP-TD-FF-11BC-1701			SHEET NO. 1 OF 2		SHEET SIZE A1		ORDER N° P36-0017				
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Structure
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E&M
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PHASE 1B JAIPUR METRO PROJECT

STATION: BADI CHAUPAR

DRAWING TITLE: MISCELLANEOUS DETAILS

DRAWN BY : RSR		CHECKED BY: A.H	VERIFIED BY: L.R.S	
DATE: 31-03-2015	REV: R0	GRAPHICAL SCALE: N.T.S.	STATUS: FOR TENDER	
DRAWING NUMBER: JP-TD-FF-11BC-1702		SHEET NO. 2 OF 2	SHEET SIZE A1	ORDER N° P36-0017

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FIRE FIGHTING

LIST OF FIRE FIRE FIGHTING DRAWINGS

S.NO.	DRAWING NO.	SHEET	DRAWING TITLE	REVISION
1	JP-TD-FF-11BC-1001	SHEET 1 OF 1	LIST OF FIRE FIGHTING DRAWINGS	R0
2	JP-TD-FF-11BC-1002	SHEET 1 OF 1	NOTES & LEGEND FOR FIRE FIGHTING SYSTEM	R0
3	JP-TD-FF-11BC-1201	SHEET 1 OF 1	FIRE FIGHTING-ANCILARY BUILDING GROUND LEVEL PLAN	R0
4	JP-TD-FF-11BC-1202	SHEET 1 OF 1	P & I DIAGRAM OF FIRE FIGHTING	R0
5	JP-TD-FF-11BC-1301	SHEET 1 OF 3	FIRE FIGHTING-CONCOURSE LEVEL	R0
6	JP-TD-FF-11BC-1302	SHEET 2 OF 3	FIRE FIGHTING-CONCOURSE LEVEL	R0
7	JP-TD-FF-11BC-1303	SHEET 3 OF 3	FIRE FIGHTING-CONCOURSE LEVEL	R0
8	JP-TD-FF-11BC-1401	SHEET 1 OF 3	FIRE FIGHTING-PLATFORM LEVEL	R0
9	JP-TD-FF-11BC-1402	SHEET 2 OF 3	FIRE FIGHTING-PLATFORM LEVEL	R0
10	JP-TD-FF-11BC-1403	SHEET 3 OF 3	FIRE FIGHTING-PLATFORM LEVEL	R0
11	JP-TD-FF-11BC-1501	SHEET 1 OF 3	FIRE FIGHTING-UNDERCROFT LEVEL	R0
12	JP-TD-FF-11BC-1502	SHEET 2 OF 3	FIRE FIGHTING-UNDERCROFT LEVEL	R0
13	JP-TD-FF-11BC-1503	SHEET 3 OF 3	FIRE FIGHTING-UNDERCROFT LEVEL	R0
14	JP-TD-FF-11BC-1701	SHEET 1 OF 2	TYPICAL DETAILS OF FIRE HOSE CABINET	R0
15	JP-TD-FF-11BC-1702	SHEET 2 OF 2	MISCELLANEOUS DETAILS-1	R0

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