

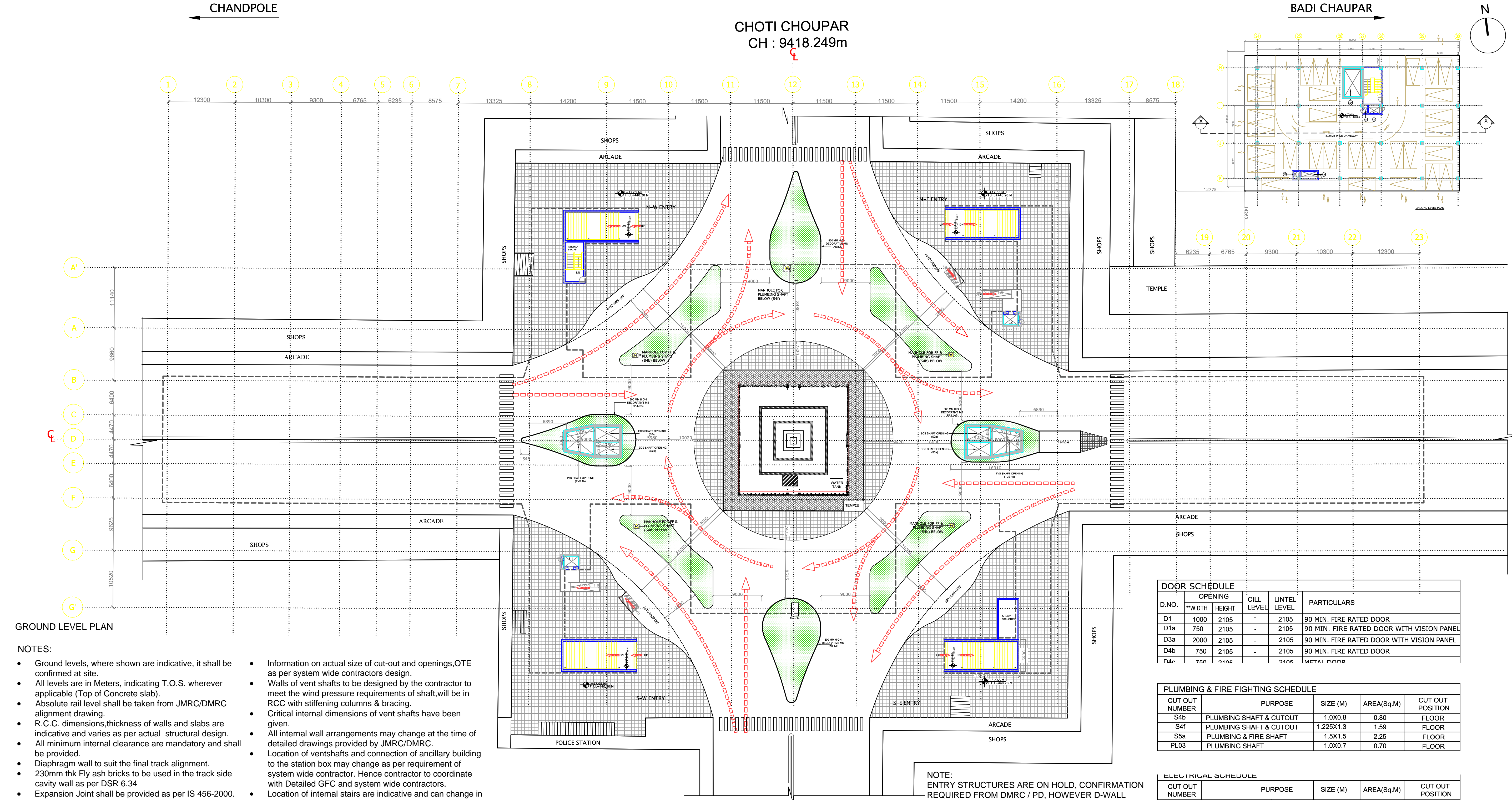


LIST OF ARCHITECTURE DRAWINGS

S.NO.	DRAWING TITLE	SHEET	DRAWING NO.	REVISION
01	LIST OF ARCHITECTURE DRAWINGS	SHEET 1 OF 1	JP-DTD-AR-10CC-1001	R0
02	GROUND LEVEL PLAN	SHEET 1 OF 1	JP-DTD-AR-10CC-1101	R0
03	COVER LEVEL PLAN	SHEET 1 OF 1	JP-DTD-AR-10CC-1102	R0
04	ANCILLARY BUILDING GROUND PLAN	SHEET 1 OF 1	JP-DTD-AR-10CC-1201	R0
05	ANCILLARY BUILDING UNDER GROUND	SHEET 1 OF 1	JP-DTD-AR-10CC-1202	R0
06	ANCILLARY BUILDING GROUND+1 LEVEL	SHEET 1 OF 1	JP-DTD-AR-10CC-1203	R0
07	ANCILLARY BUILDING SERVICE GALLERY PLAN	SHEET 1 OF 1	JP-DTD-AR-10CC-1205	R0
08	CONCOURSE LEVEL PLAN	SHEET 1 OF 1	JP-DTD-AR-10CC-1301	R0
09	PLATFORM LEVEL PLAN	SHEET 1 OF 1	JP-DTD-AR-10CC-1401	R0
10	UNDERCROFT LEVEL PLAN	SHEET 1 OF 1	JP-DTD-AR-10CC-1501	R0
11	SECTION AA, SECTION BB, SECTION CC	SHEET 1 OF 1	JP-DTD-AR-10CC-1901	R0
12	SECTION DD	SHEET 1 OF 1	JP-DTD-AR-10CC-1902	R0
13	SECTION EE	SHEET 1 OF 1	JP-DTD-AR-10CC-1903	R0
14	SECTION FF	SHEET 1 OF 1	JP-DTD-AR-10CC-1904	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			<div> <b>DELHI METRO RAIL CORPORATION LTD.</b> Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001</div> <div>PHASE 1B JAIPUR METRO PROJECT</div> <div>STATION: <b>CHOTI CHOUPER</b></div> <div>DRAWING TITLE: LIST OF ARCHITECTURE DRAWINGS</div> <div><div><div>DRAWN BY : VIPIN</div><div>CHECKED BY: H.O.B</div><div>VERIFIED BY: L.R.S</div></div><div><div>DATE: 09-01-2015</div><div>REV: R0</div><div>GRAPHICAL SCALE: N.T.S.</div><div>STATUS: FOR CRD</div></div><div><div>DRAWING NUMBER: JP-DTD-AR-11BC-1001</div><div>SHEET NO. 1 OF 1</div><div>SHEET SIZE UNE A1</div><div>ORDER N° P36-0017</div></div><div><div>JPEW/1BDDC01</div><div>ARCHITECTURE</div></div></div> <div>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.</div>		
									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										
									DY CSTE/TELECOM	CSTE-I	DY CE/DESIGN	CE/TECH	<div>DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL &amp; BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPER &amp; BADI CHOUPER), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO</div> <div> <b>ayesa</b> <small>Engineering. Information. Imagination.</small></div> <div>56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)</div>												
									DY CSTE/AFC		ED/S&T	CSO													
									DY CSTE/SIGNALLING	CSTE-III	GM/O	GM/M													
									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																	





GROUND LEVEL PLAN

- NOTES:
- Ground levels, where shown are indicative, it shall be confirmed at site.
  - All levels are in Meters, indicating T.O.S. wherever applicable (Top of Concrete slab).
  - Absolute rail level shall be taken from JMRC/DMRC alignment drawing.
  - R.C.C. dimensions, thickness of walls and slabs are indicative and varies as per actual structural design.
  - All minimum internal clearance are mandatory and shall be provided.
  - Diaphragm wall to suit the final track alignment.
  - 230mm thk Fly ash bricks to be used in the track side cavity wall as per DSR 6.34
  - Expansion Joint shall be provided as per IS 456-2000.
  - Minimum clearance at any point in Undercroft shall be 1800 MM taking into account drainage slope @ 1:800 slope in long direction and 1:100 in cross directions.
  - Escalator pits, lift pits and sump pits size to be as per manufacturer's specification as finalized by JMRC/DMRC.
  - Escalator pit and lift pits drainage to be as per plumbing drainage drawings.
  - Column location in the service area to be co-ordinated and confirmed based on equipment layout provided by system wide contractors.
  - Information on actual size of cut-out and openings,OTE as per system wide contractors design.
  - Walls of vent shafts to be designed by the contractor to meet the wind pressure requirements of shaft, will be in RCC with stiffening columns & bracing.
  - Critical internal dimensions of vent shafts have been given.
  - All internal wall arrangements may change at the time of detailed drawings provided by JMRC/DMRC.
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  - Location of internal stairs are indicative and can change in detailed design.
  - Rooms sizes can vary as per system wide contractors design.
  - Floor finish from T.O.S. level is 150 MM thick, except U45 (D.G.Set) and U18 (D.B. Room) having floor finish 50 MM thick.
  - All F.H.Cs to be provided with floor drains.
  - 3 No., 100mm Ø sleeves to be provided in escalator pit for sprinkler pipes.
  - RCC cutouts are to be shown in SEM (WOD) drawings.

MASONRY WORK	ABBREVIATIONS:
C.C. BLOCK WORK	OTE - Over Track Exhaust
	UPE - Under Platform Exhaust
	T.O.S. - Top of Concrete Slab

ECS SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUTOUT POSITION
S2a	EXHAUST AIR - 2NO.	4.25X2.35	10.00	FLOOR
S3a	FRESH AIR - 2NO.	4.25X2.35	10.00	FLOOR
S14	CUTOUT FOR INSERTING EQUIPMENTS	5.00X3.00	15.00	FLOOR
ECS-C3	CUTOUT FOR CHILLED WATER PIPE	2.00X1.20	2.40	FLOOR
	SHAFT	2.40X1.60	3.84	-

DOOR SCHEDULE				
D.NO.	OPENING	CILL LEVEL	LINTEL LEVEL	PARTICULARS
D1	1000	2105	2105	90 MIN. FIRE RATED DOOR
D1a	750	2105	2105	90 MIN. FIRE RATED DOOR WITH VISION PANEL
D3a	2000	2105	2105	90 MIN. FIRE RATED DOOR WITH VISION PANEL
D4b	750	2105	2105	90 MIN. FIRE RATED DOOR
D4c	750	2105	2105	METAL DOOR

PLUMBING & FIRE FIGHTING SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUT OUT POSITION
S4b	PLUMBING SHAFT & CUTOUT	1.00X0.8	0.80	FLOOR
S4f	PLUMBING SHAFT & CUTOUT	1.225X1.3	1.59	FLOOR
S5a	PLUMBING & FIRE SHAFT	1.5X1.5	2.25	FLOOR
PL03	PLUMBING SHAFT	1.00X0.7	0.70	FLOOR

ELECTRICAL SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUT OUT POSITION
E30	ELECTRICAL	CUTOUT	3.0X1.0	3.00
E31	ELECTRICAL	CUTOUT	0.65X1.2	0.78
		SHAFT	0.65X1.6	1.04

TVS SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUTOUT POSITION
TVS-1b	TUNNEL VENTILATION CUTOUT	5.0X4.055	20.24*	FLOOR

\* AREA AS PER POLY LINE

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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/S&T	CSO
DY CSTE/SIGNALLING	CSTE-II	GM/O	GM/M
CEE/PLANNING	DY CEE/E&M	DY CEE/ECS	ED/ELEC-II
DY CEE/EUG-TR	CEE(E) UG-TR	PD	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
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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**

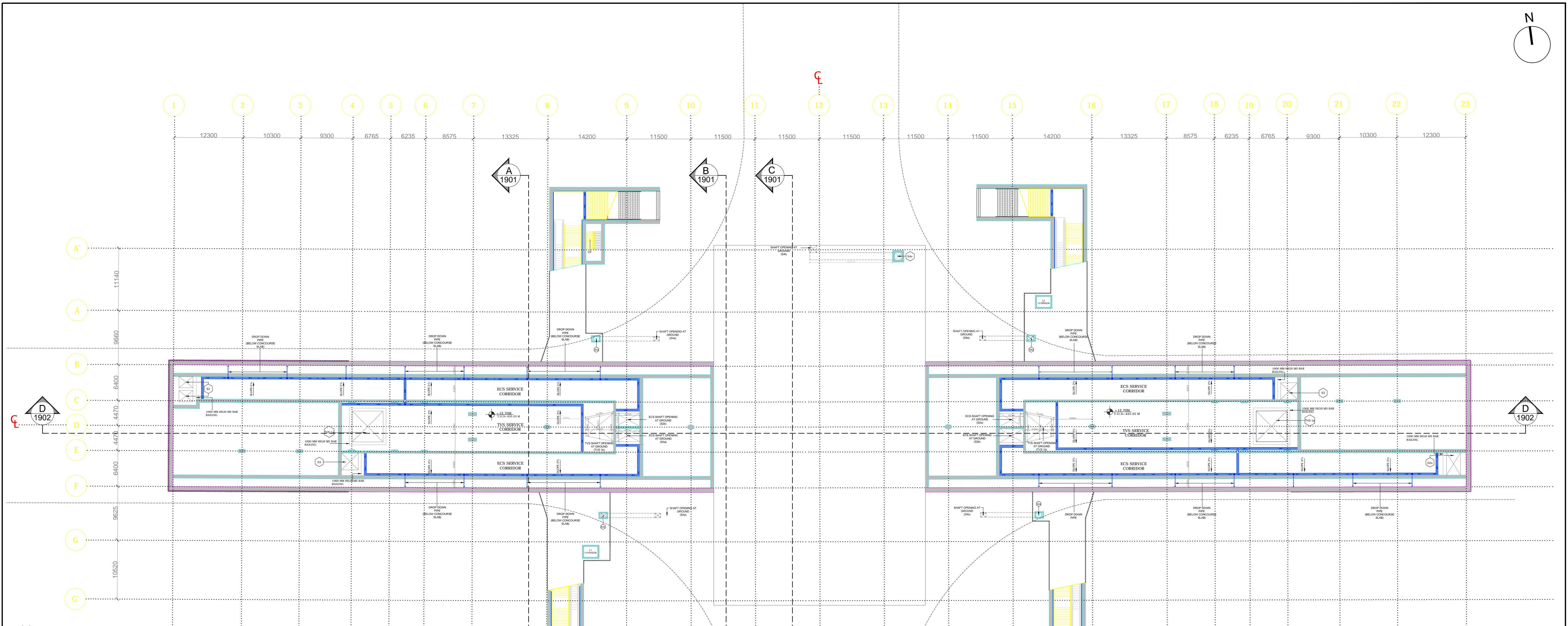
**STATION: CHOTI CHOUPAR**

**DRAWING TITLE: GROUND LEVEL PLAN**

DRAWN BY: US	CHECKED BY: SC	VERIFIED BY: AB
DATE: 09-01-15	REV: R0	GRAPHICAL SCALE: 1:350
STATUS: FOR GFC		
DRAWING NUMBER: JP-DTD-AR-10CC-1101	SHEET NO. 1 OF 1	SHEET SIZE A1
	ORDER N° P36-0017	JP/EW/1B/DDC01

ARCHITECTURE





COVER LEVEL PLAN

- NOTES:**
- Ground levels, where shown are indicative, it shall be confirmed at site.
  - All levels are in Meters, indicating T.O.S. wherever applicable (Top of Concrete slab).
  - Absolute rail level shall be taken from JMRC/DMRC alignment drawing.
  - R.C.C. dimensions,thickness of walls and slabs are indicative and varies as per actual structural design.
  - All minimum internal clearance are mandatory and shall be provided.
  - Diaphragm wall to suit the final track alignment.
  - 230mm thk Fly ash bricks to be used in the track side cavity wall as per DSR 6.34
  - Expansion Joint shall be provided as per IS 456-2000.
  - Minimum clearance at any point in Undercroft shall be 1800 MM taking into account drainage slope @ 1:800 slope in long direction and 1:100 in cross directions.
  - Escalator pits, lift pits and sump pits size to be as per manufacturer's specification as finalized by JMRC/DMRC.
  - Escalator pit and lift pits drainage to be as per plumbing drainage drawings.
  - Column location in the service area to be co-ordinated and confirmed based on equipment layout provided by system wide contractors.
  - Information on actual size of cut-out and openings,OTE as per system wide contractors design.
  - Walls of vent shafts to be designed by the contractor to meet the wind pressure requirements of shaft,will be in RCC with stiffening columns & bracing.
  - Critical internal dimensions of vent shafts have been given.
  - All internal wall arrangements may change at the time of detailed drawings provided by JMRC/DMRC.
  - Location of ventshafts and connection of ancillary building to the station box may change as per requirement of system wide contractor. Hence contractor to coordinate with Detailed GFC and system wide contractors.
  - Location of internal stairs are indicative and can change in detailed design.
  - Rooms sizes can vary as per system wide contractors design.
  - Floor finish on T.O.S. level is 150 MM thick, except U45 (D.G.Set) and U18 (D.B. Room) having floor finish 50 MM thick.
  - All F.H.Cs to be provided with floor drains.
  - 3 No., 100mm Ø sleeves to be provided in escalator pit for sprinkler pipes.
  - RCC cutouts are to be shown in SEM (WOD) drawings .

MASONRY WORK	
	C.C. BLOCK WORK

**ABBREVIATIONS:**  
OTE - Over Track Exhaust  
UPE - Under Platform Exhaust  
T.O.S. -Top of Concrete Slab

ECS SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUTOUT POSITION
S2	FRESH AIR - 2NO.	2.5X2.0	5.0	FLOOR
S2a	FRESH AIR - 1NO.	2.5X4.0	10.0	FLOOR
S3	EXHAUST AIR - 2NO.	3.0X3.0	9.0	FLOOR

PLUMBING & FIRE FIGHTING SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUT OUT POSITION
S4a	PLUMBING SHAFT & CUTOUT 4 NO	SHAFT	1.2X0.8	0.96
		CUTOUT	1.0X0.8	0.80
S4e	PLUMBING SHAFT & CUTOUT	1.225 X 1.3	1.59	FLOOR

TVS SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUTOUT POSITION
TVS-1a	TUNNEL VENTILATION SHAFT 2 NO	5.5X5.5	30.25	FLOOR

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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/S&T	CSO
DY CSTE/SIGNALLING	CSTE-II	GM/O	GM/M
CEE/PLANNING	DY CEE/E&M	DY CEE/ECS	ED/ELEC-II
DY CEE/EJUG-TR	CEE(E) UG-TR	PD	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 CHOUPER & BADI CHOUPER), 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**

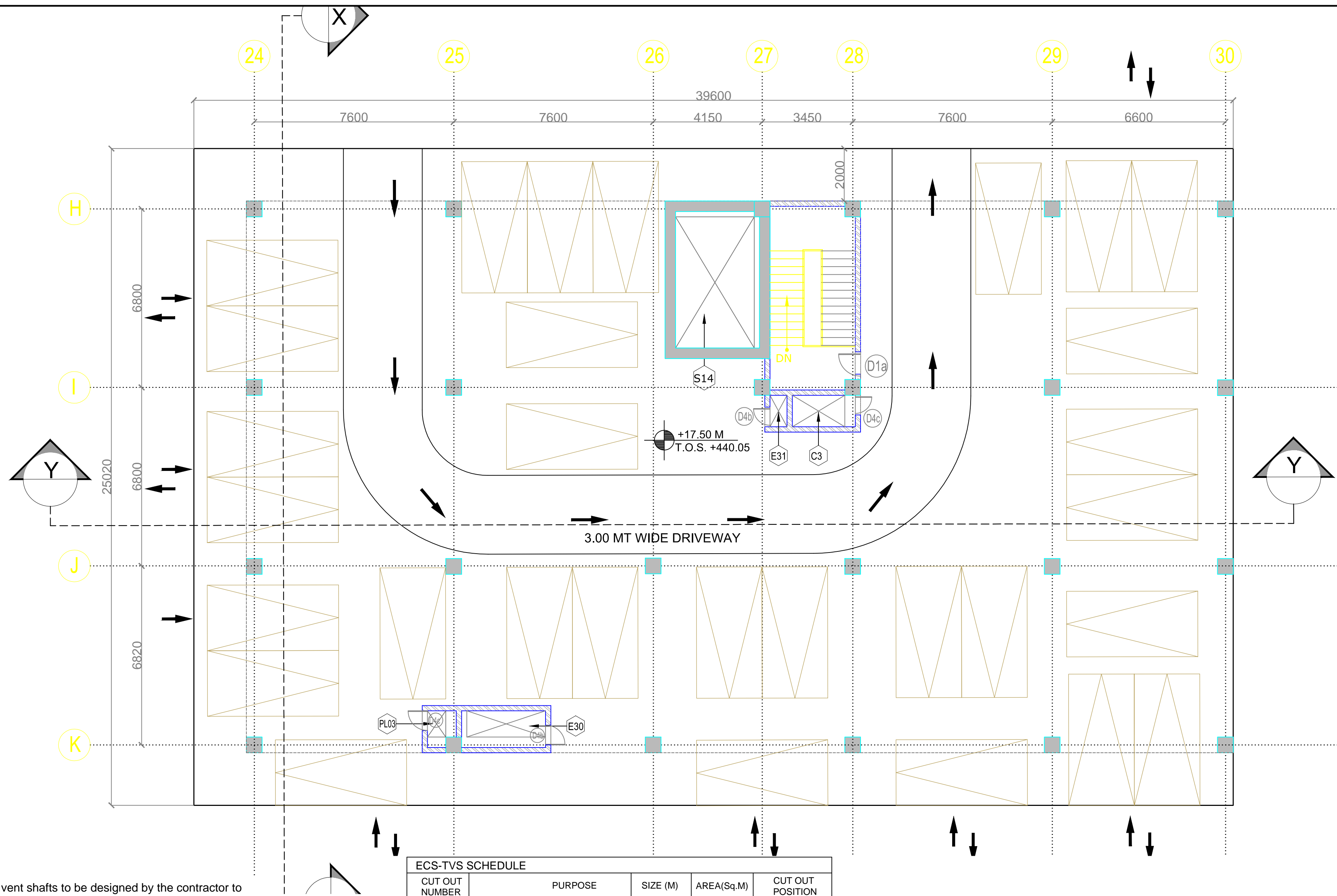
**STATION: CHOTI CHOUPER**

**DRAWING TITLE: COVER LEVEL PLAN**

DRAWN BY : US	CHECKED BY: SC	VERIFIED BY: AB
DATE: 09-01-2015	REV: R0	STATUS: FOR GFC
DRAWING NUMBER: JP-DTD-AR-10CC-1102	SHEET NO. 1 OF 1	SHEET SIZE A1
	ORDER N° P36-0017	

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ANCILLARY BLOCK-GROUND FLOOR

- NOTES:
- Ground levels, where shown are indicative, it shall be confirmed at site.
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  - Absolute rail level shall be taken from JMRC/DMRC alignment drawing.
  - R.C.C. dimensions,thickness of walls and slabs are indicative and varies as per actual structural design.
  - All minimum internal clearance are mandatory and shall be provided.
  - Diaphragm wall to suit the final track alignment.
  - 230mm thk Fly ash bricks to be used in the track side cavity wall as per DSR 6.34
  - Expansion Joint shall be provided as per IS 456-2000.
  - Minimum clearance at any point in Undercroft shall be 1800 MM taking into account drainage slope @ 1:800 slope in long direction and 1:100 in cross directions.
  - Escalator pits, lift pits and sump pits size to be as per manufacturer's specification as finalized by JMRC/DMRC.
  - Escalator pit and lift pits drainage to be as per plumbing drainage drawings.
  - Column location in the service area to be co-ordinated and confirmed based on equipment layout provided by system wide contractors.
  - Information on actual size of cut-out and openings,OTE as per system wide contractors design.
  - Rail level is assumed as ±00 for the Ancillary Block.
  - Walls of vent shafts to be designed by the contractor to meet the wind pressure requirements of shaft, can be in R.C.C. or block work with stiffening columns & bracing.
  - Critical internal dimensions of vent shafts have been given.
  - All internal wall arrangements may change at the time of detailed drawings provided by JMRC/DMRC.
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  - Location of internal stairs are indicative and can change in detailed design.
  - Rooms sizes can vary as per system wide contractors design.
  - Floor finish from T.O.S. level is 150 MM thick, except U45 (D.G.Set) and U18 (D.B. Room) having floor finish 50 MM thick.
  - All F.H.Cs to be provided with floor drains.
  - 3 No., 100mm Ø sleeves to be provided in escalator pit for sprinkler pipes.
  - RCC cutouts are to be shown in WOD drawings .

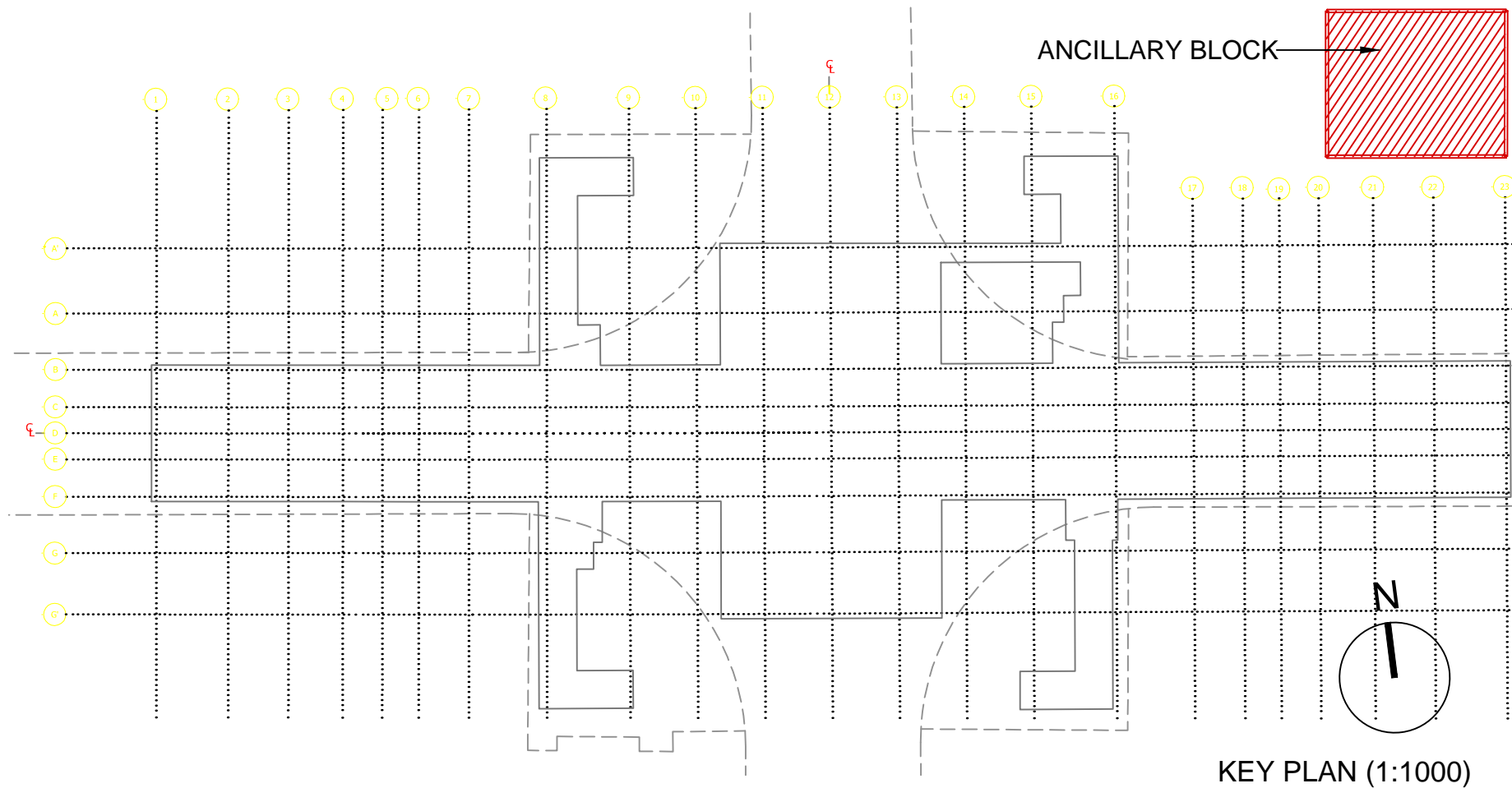
MASONRY WORK	
	C.C. BLOCK WORK

ABBREVIATIONS:  
OTE - Over Track Exhaust  
UPE - Under Platform Exhaust  
T.O.S. -Top of Concrete Slab

ECS-TVS SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUT OUT POSITION
S14	CUTOUT FOR INSERTING EQUIPMENTS	5.0X3.0	15.00	FLOOR
ECS-C3	CUTOUT FOR CHILLED WATER PIPE	SHAFT	2.4X1.2	-
		CUTOUT	2.0X1.2	FLOOR

PLUMBING & FIRE FIGHTING SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUT OUT POSITION
PL03	PLUMBING SHAFT	SHAFT	1.40X1.10	-
		CUTOUT	1.00X0.70	FLOOR

ELECTRICAL SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUT OUT POSITION
E30	ELECTRICAL	CUTOUT	3.00X1.00	FLOOR
E31	ELECTRICAL	CUTOUT	0.65X1.20	FLOOR



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REFERENCE DRAWINGS	
Dwg. No.	Description

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

APPROVAL BY DMRC			
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DY CSTE/AFC		ED/S&T	CSO
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DY CEE/EUG-TR	CEE(E) UG-TR	PD	CPM

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JP/EW/1B/DDC01 Project Manager

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

**PHASE 1B JAIPUR METRO PROJECT**

**STATION: CHOTI CHOUPER**

**DRAWING TITLE: ANCILARY BUILDING - GROUND LEVEL**

DRAWN BY : US	CHECKED BY : SC	VERIFIED BY : AB
DATE: 09-01-2015	REV: R0	GRAPHICAL SCALE: 1:100
STATUS: FOR GFC		ORDER N° P36-0017

DRAWING NUMBER: JP-DTD-AR-10CC-1201

SHEET NO. 1 OF 1

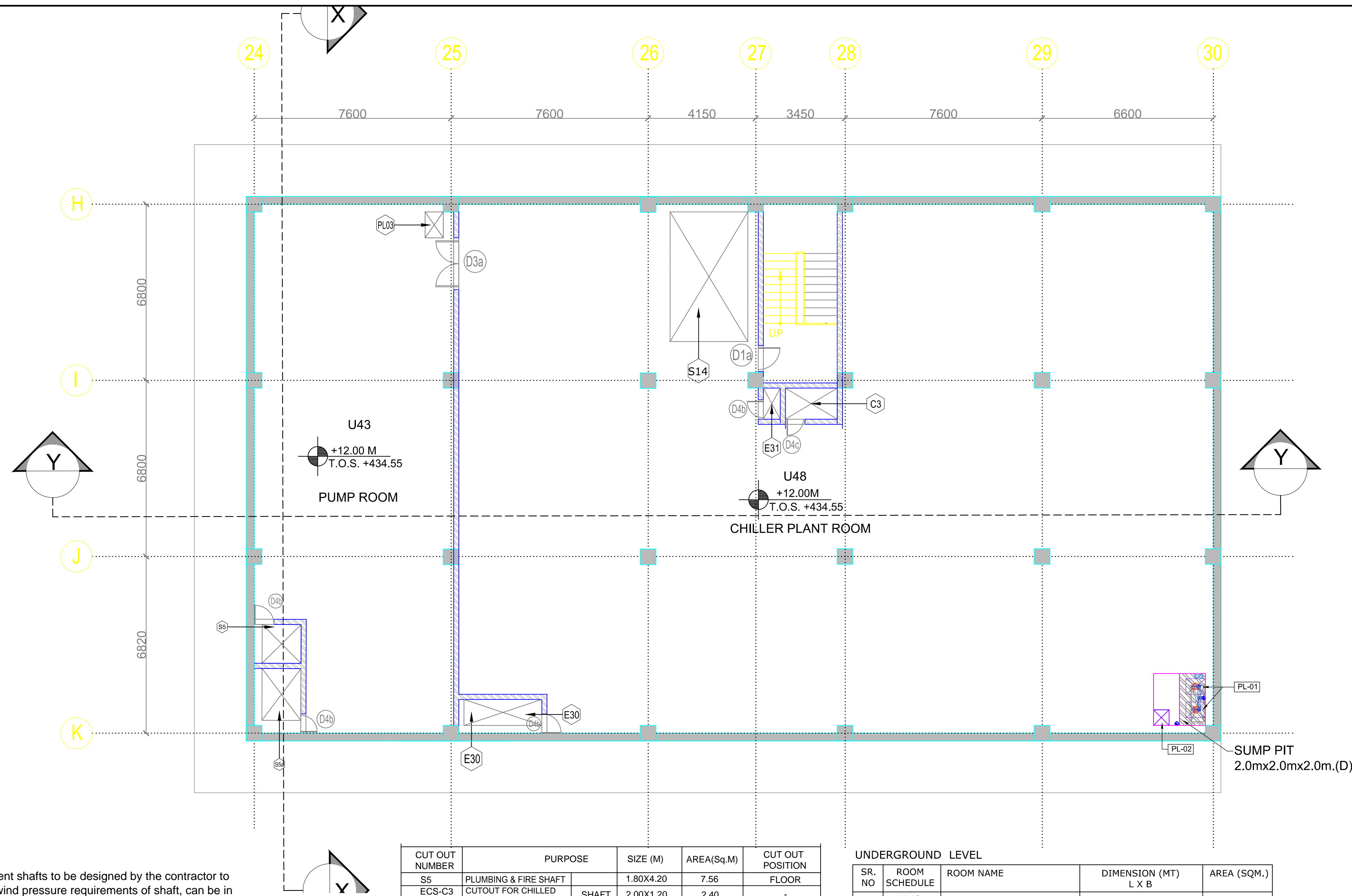
SHEET SIZE A1

JP/EW/1B/DDC01

ARCHITECTURAL

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ANCILLARY BLOCK - UNDERGROUND LEVEL

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  - R.C.C. dimensions, thickness of walls and slabs are indicative and varies as per actual structural design.
  - All minimum internal clearance are mandatory and shall be provided.
  - Diaphragm wall to suit the final track alignment.
  - 230mm thk Fly ash bricks to be used in the track side cavity wall as per DSR 6.34
  - Expansion Joint shall be provided as per IS 456-2000.
  - Minimum clearance at any point in Undercroft shall be 1800 MM taking into account drainage slope @ 1:800 slope in long direction and 1:100 in cross directions.
  - Escalator pits, lift pits and sump pits size to be as per manufacturer's specification as finalized by JMRC/DMRC.
  - Escalator pit and lift pits drainage to be as per plumbing drainage drawings.
  - Column location in the service area to be co-ordinated and confirmed based on equipment layout provided by system wide contractors.
  - Information on actual size of cut-out and openings, OTE as per system wide contractors design.
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  - Rooms sizes can vary as per system wide contractors design.
  - Floor finish from T.O.S. level is 150 MM thick, except U45 (D.G.Set) and U18 (D.B. Room) having floor finish 50 MM thick.
  - All F.H.Cs to be provided with floor drains.
  - 3 No., 100mm  $\varnothing$  sleeves to be provided in escalator pit for sprinkler pipes.
  - RCC cutouts are to be shown in WOD drawings.

MASONRY WORK	
	C.C. BLOCK WORK

ABBREVIATIONS:  
OTE - Over Track Exhaust  
UPE - Under Platform Exhaust  
T.O.S. - Top of Concrete Slab

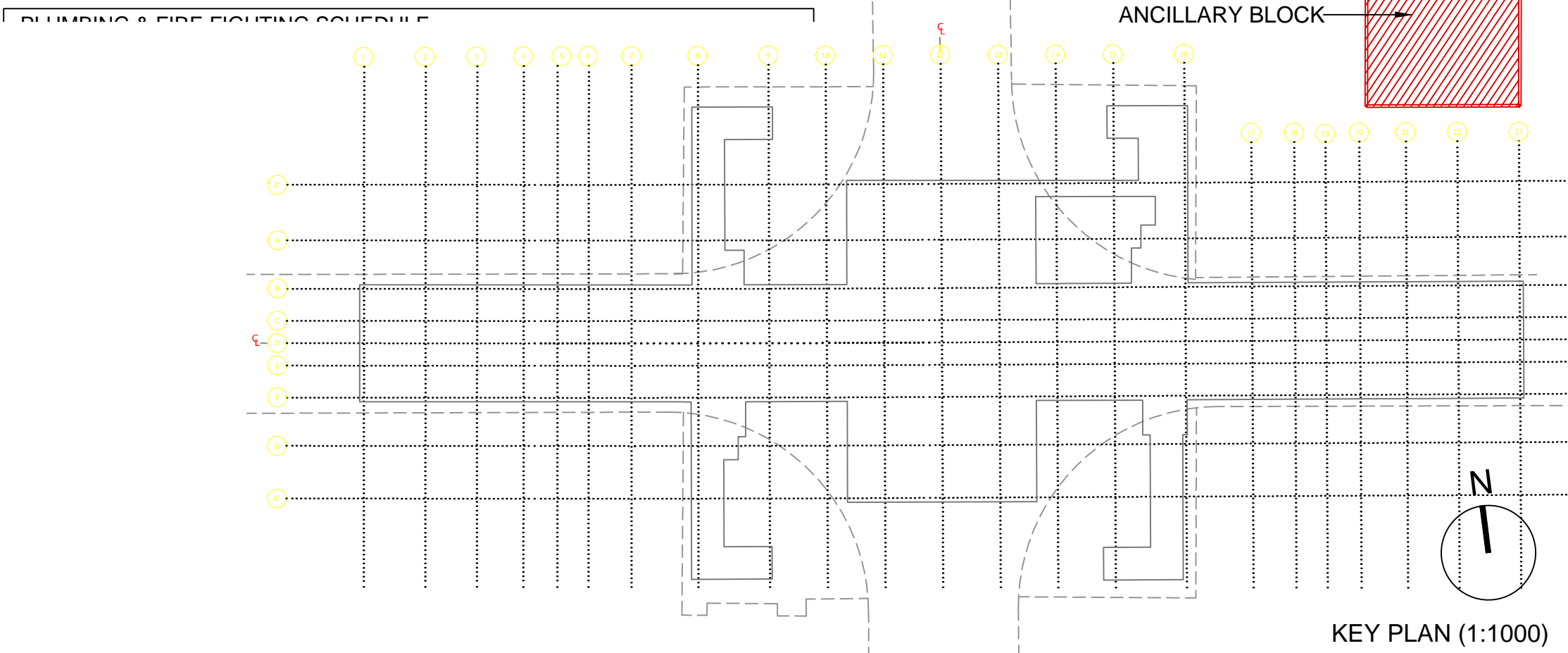
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA (Sq.M)	CUT OUT POSITION
S5	PLUMBING & FIRE SHAFT	1.80X4.20	7.56	FLOOR
ECS-C3	CUTOUT FOR CHILLED WATER PIPE	2.00X1.20	2.40	-
PL01	SUMP CUTOUT- 2NOS	0.60X0.75	0.45	FLOOR
PL02	SUMP ACCESS CUTOUT	0.60X0.60	0.36	FLOOR



\*AREA AS PER PLINE

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

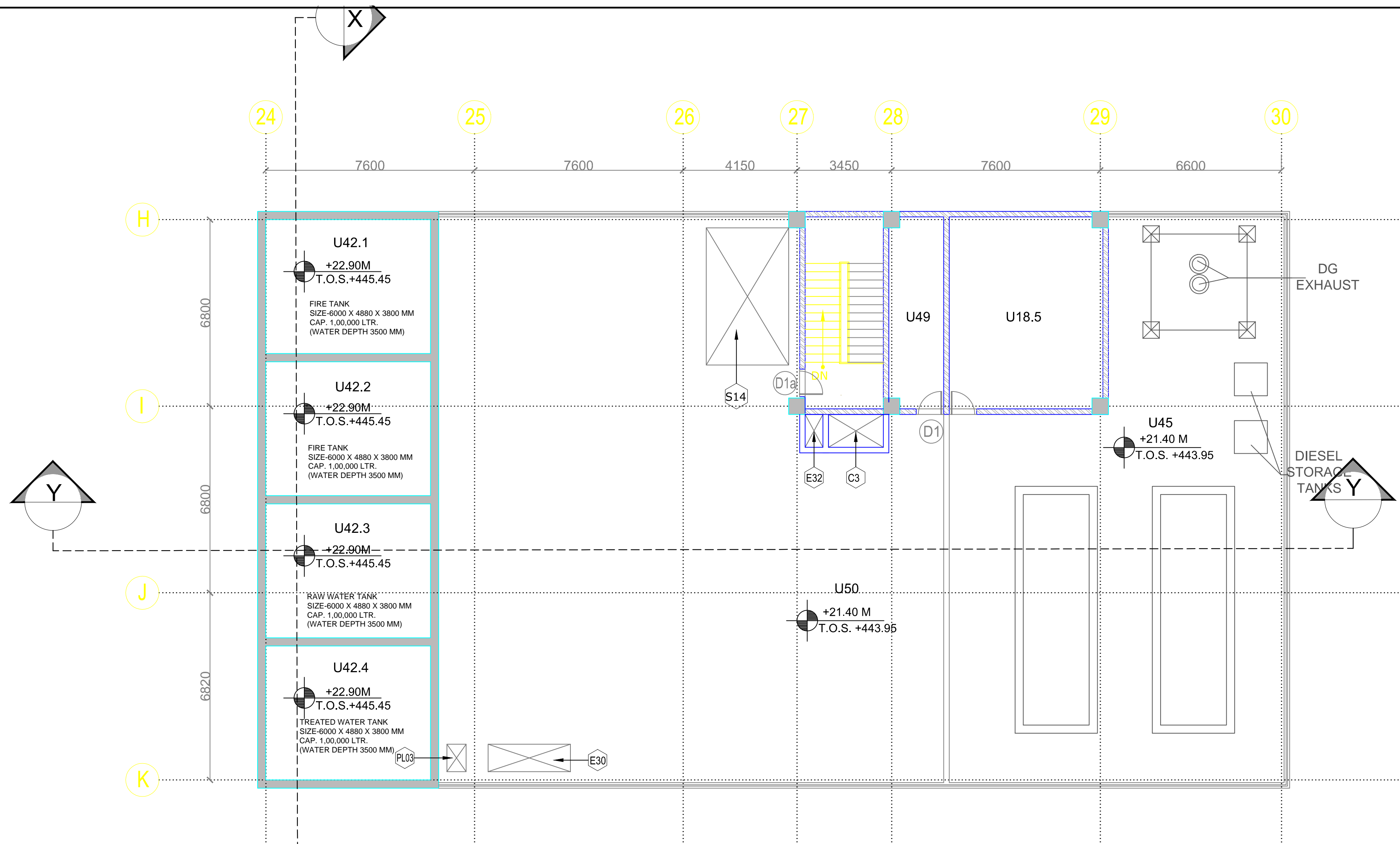
SR. NO	ROOM SCHEDULE	ROOM NAME	DIMENSION (MT) L X B	AREA (SQM.)
1	U 48	CHILLER PLANT ROOM	22.80 X 20.42	429.55*

\*AREA AS PER PLINE



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												Architecture 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		<div>DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL &amp; BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPER &amp; BADI CHOUPER), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO</div> <div> Engineering, Information, Imagination.</div> <div>56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)</div>							
								DY CSTE/TELECOM		CSTE-I		DY CE/DESIGN		CE/TECH									
								DY CSTE/AFC				ED/S&T		CSO									
								DY CSTE/SIGNALLING		CSTE-II		GM/O		GM/M									
								CEE/PLANNING		DY CEE/E&M		DY CEE/ECS		ED/ELEC -II									
								DY CEE/(E)UG-TR		CEE(E) UG-TR		PD		CPM									
	REV							PARTICULARS		DRN.		CHD.		VER.		DATE		ISSUE DATE		REV. FOR CONSTRUCTION			





#### ANCILLARY BLOCK - GROUND+1 LEVEL

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- All minimum internal clearance are mandatory and shall be provided.
- Diaphragm wall to suit the final track alignment.
- 230mm thk Fly ash bricks to be used in the track side cavity wall as per DSR 6.34.
- Expansion Joint shall be provided as per IS 456-2000.
- Minimum clearance at any point in Undercroft shall be 1800 MM taking into account drainage slope @ 1:800 slope in long direction and 1:100 in cross directions.
- Escalator pits, lift pits and sump pits size to be as per manufacturer's specification as finalized by JMRC/DMRC.
- Escalator pit and lift pits drainage to be as per plumbing drainage drawings.
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- RCC cutouts are to be shown in WOD drawings.

MASONRY WORK	
	C.C. BLOCK WORK

ABBREVIATIONS:  
OTE - Over Track Exhaust  
UPE - Under Platform Exhaust  
T.O.S. - Top of Concrete Slab

PLUMBING & FIRE FIGHTING SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUT OUT POSITION
PL03	PLUMBING SHAFT	1.0X0.7	0.70	FLOOR

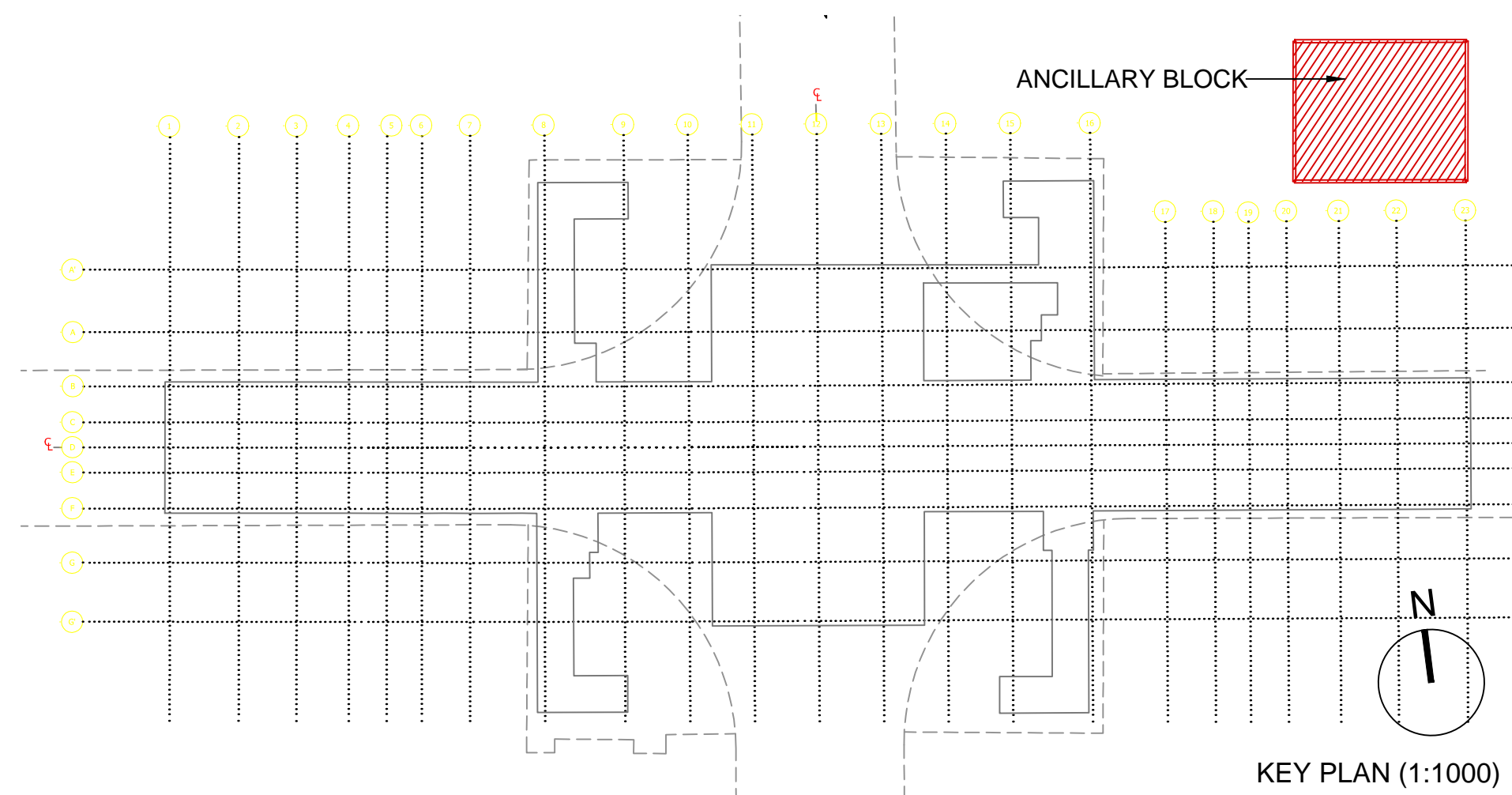
ROOM SCHEDULE GROUND LEVEL				
SR. NO	ROOM SCHEDULE	ROOM NAME	DIMENSION (MT) L X B	AREA (SQM.)
1	U 18.5	DB AND CHILLER PANEL ROOM	5.60 X 7.00	38.88*
2	U 42.1	TREATED WATER TANK	6.00 X 4.88	29.28
3	U 42.2	RAIN WATER TANK	6.00 X 4.88	29.28
4	U 42.3	FIRE TANKS	6.00 X 4.88	29.28
5	U 42.4	FIRE TANKS	6.00 X 4.88	29.28
6	U 45	DG SET	12.20 X 20.62	209.80*
7	U 49	CHEMICAL DOSING PLANT ROOM	2.00 X 7.00	13.68*
8	U 50	COOLING TOWERS	18.00 X 20.62	317.19*


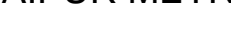
\*AREA AS PER PLINE

ECS-TVS SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUT OUT POSITION
S14	CUTOUT FOR INSERTING EQUIPMENTS	5.00X3.00	15.00	FLOOR
ECS-C3	CUTOUT FOR CHILLED WATER PIPE	2.00X1.20	2.40	FLOOR

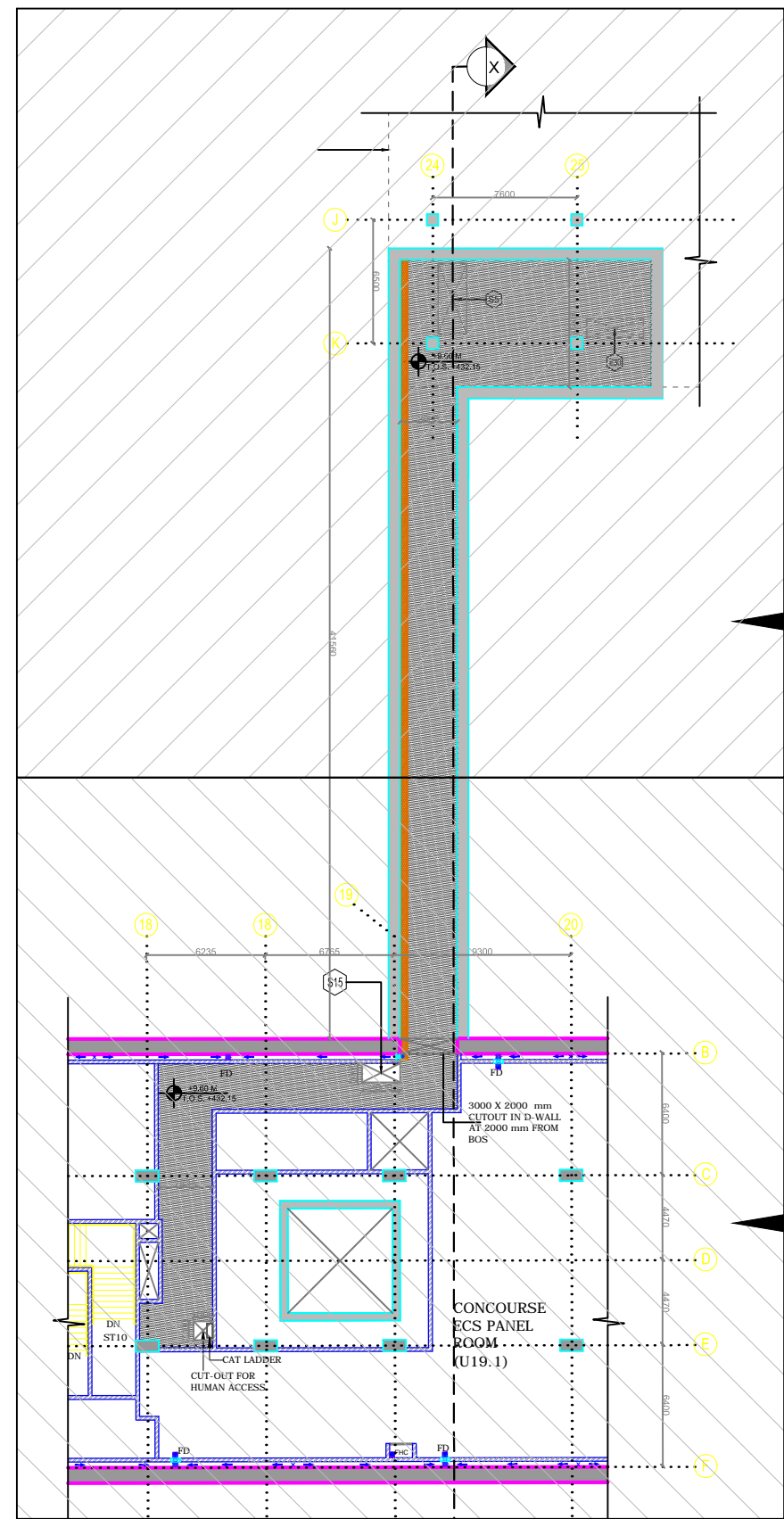
DOOR SCHEDULE				
D.NO.	OPENING **WIDTH HEIGHT	CILL LEVEL	LINTEL LEVEL	PARTICULARS
D1	1000 2105	-	2105	90 MIN. FIRE RATED DOOR
D1a	1000 2105	-	2105	90 MIN. FIRE RATED DOOR WITH VISION PANEL

NOTE: ALL LINTEL LEVELS ARE TO BE MEASURED FROM HIGHEST FINISHED FLOOR LEVELS.



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	REFERENCE DRAWINGS							DMRC APPROVAL				Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator	<b>DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL &amp; BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPER &amp; BADI CHOUPER), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO</b>   Engineering. Information. Imagination.  56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)			
	Drg. No. Description							DY CSTE/TELECOM	CSTE-I	DY CE/DESIGN	CE/TECH							
								DY CSTE/AFC		ED/S&T	CSO							
								DY CSTE/SIGNALLING	CSTE-II	GM/O	GM/M							
								CEE/PLANNING	DY CEE/E&M	DY CEE/ECS	ED/ELEC-II							
	REV	PARTICULARS	DRN.	CHD.	VER.	DATE	ISSUE DATE	REV. FOR CONSTRUCTION	DY CEE/(E)UG-TR	CEE(E) UG-TR	PD	CPM						

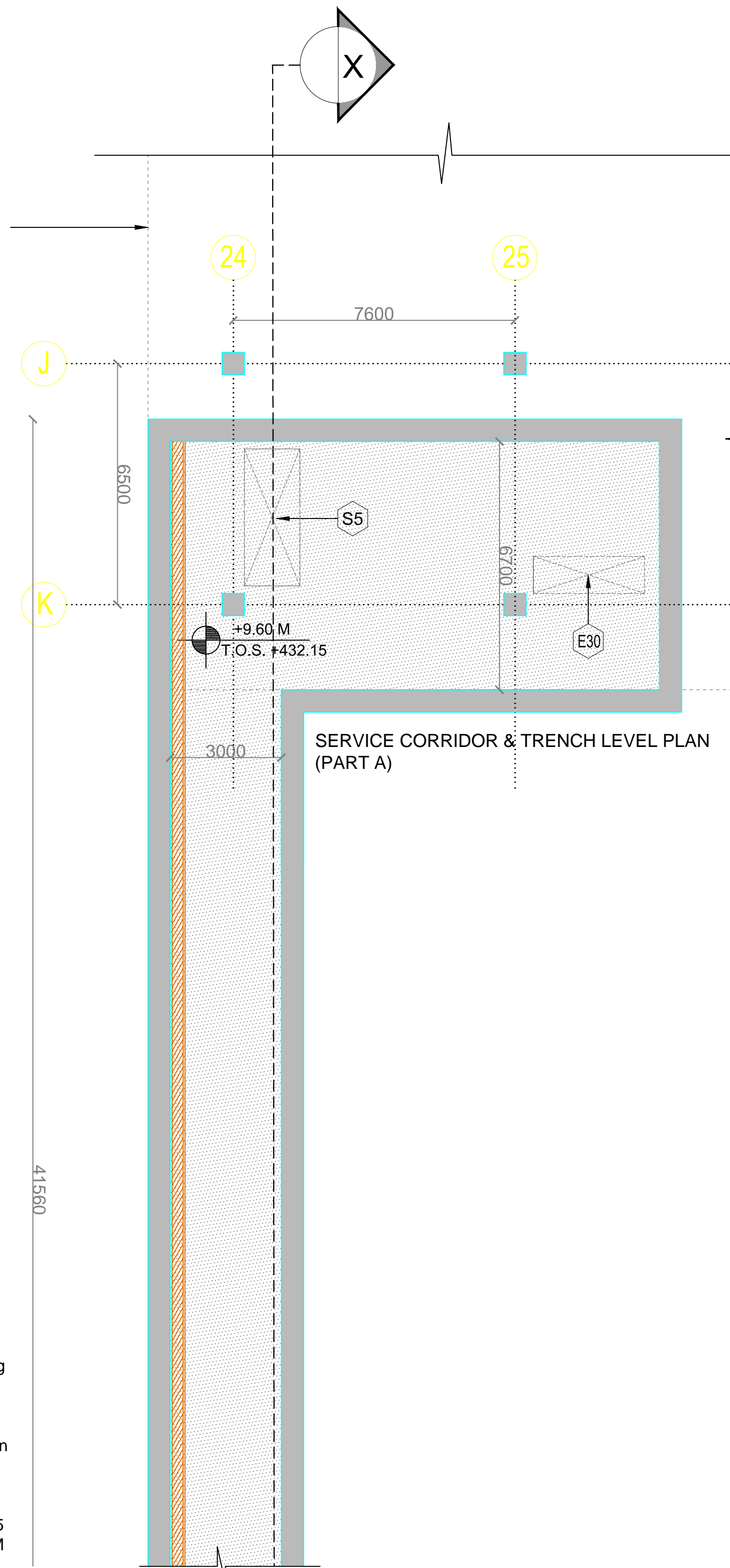




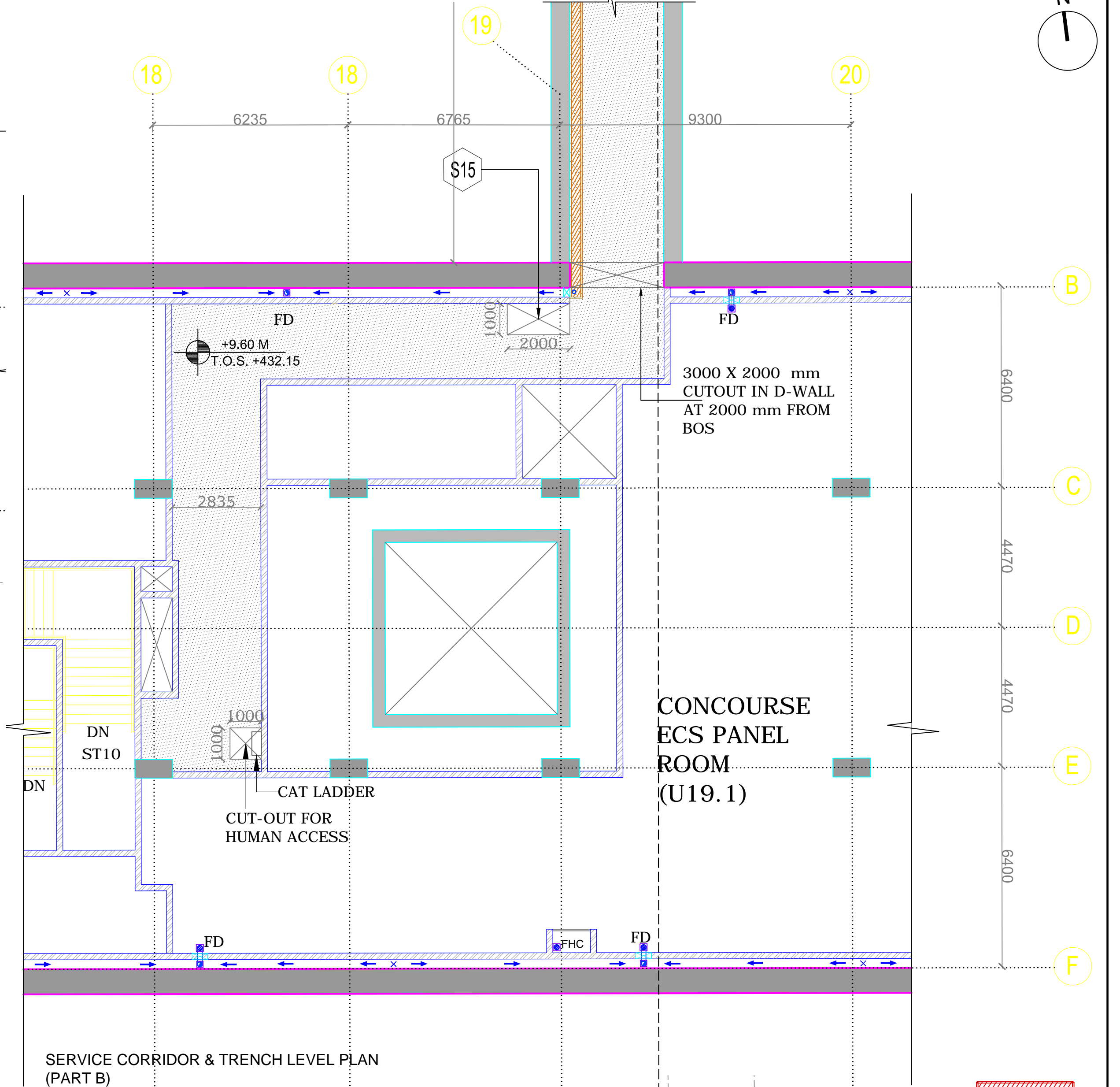
SERVICE CORRIDOR & TRENCH LEVEL PLAN (KEY PLAN)

PART A

PART B



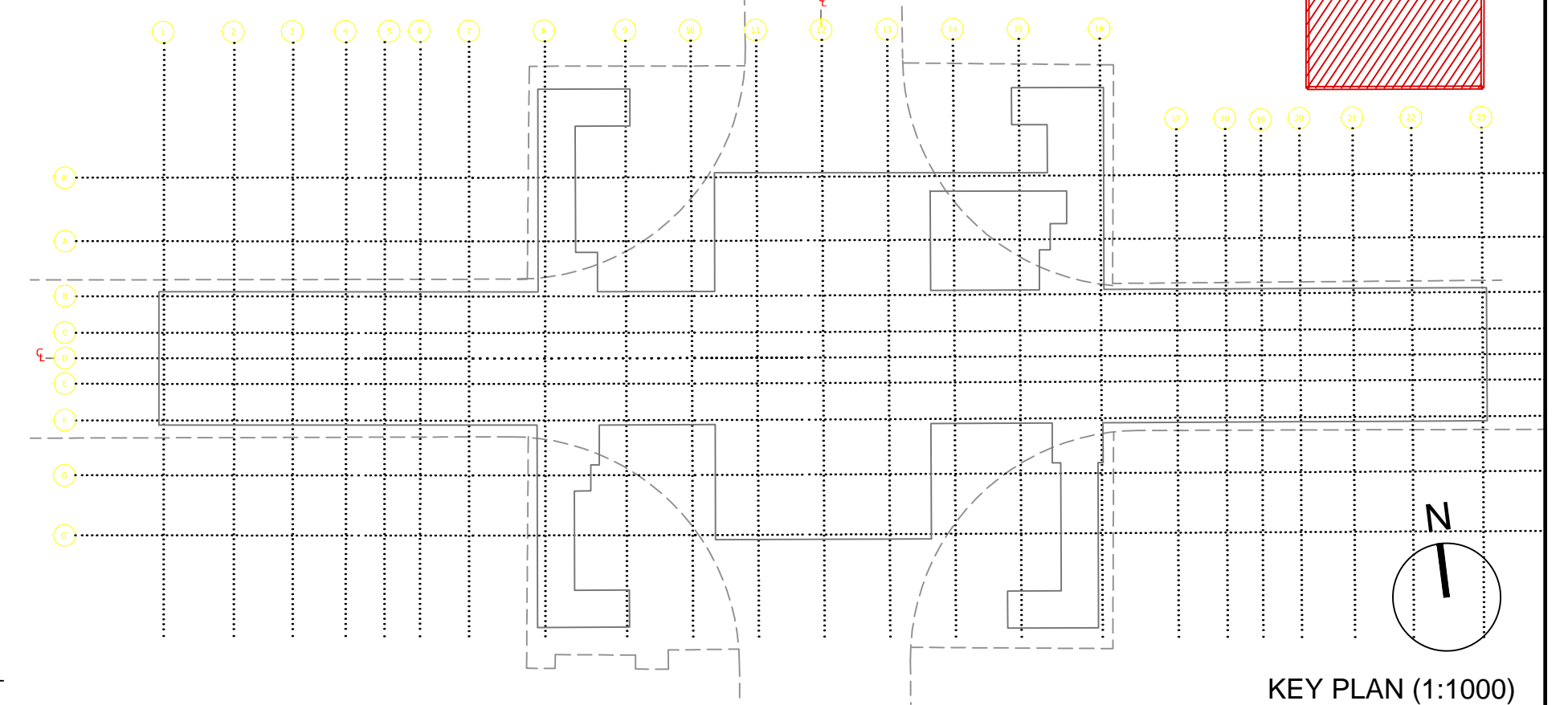
SERVICE CORRIDOR & TRENCH LEVEL PLAN (PART A)



SERVICE CORRIDOR & TRENCH LEVEL PLAN (PART B)

CONCOURSE  
ECS PANEL  
ROOM  
(U19.1)

ANCILLARY BLOCK



KEY PLAN (1:1000)


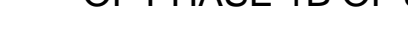
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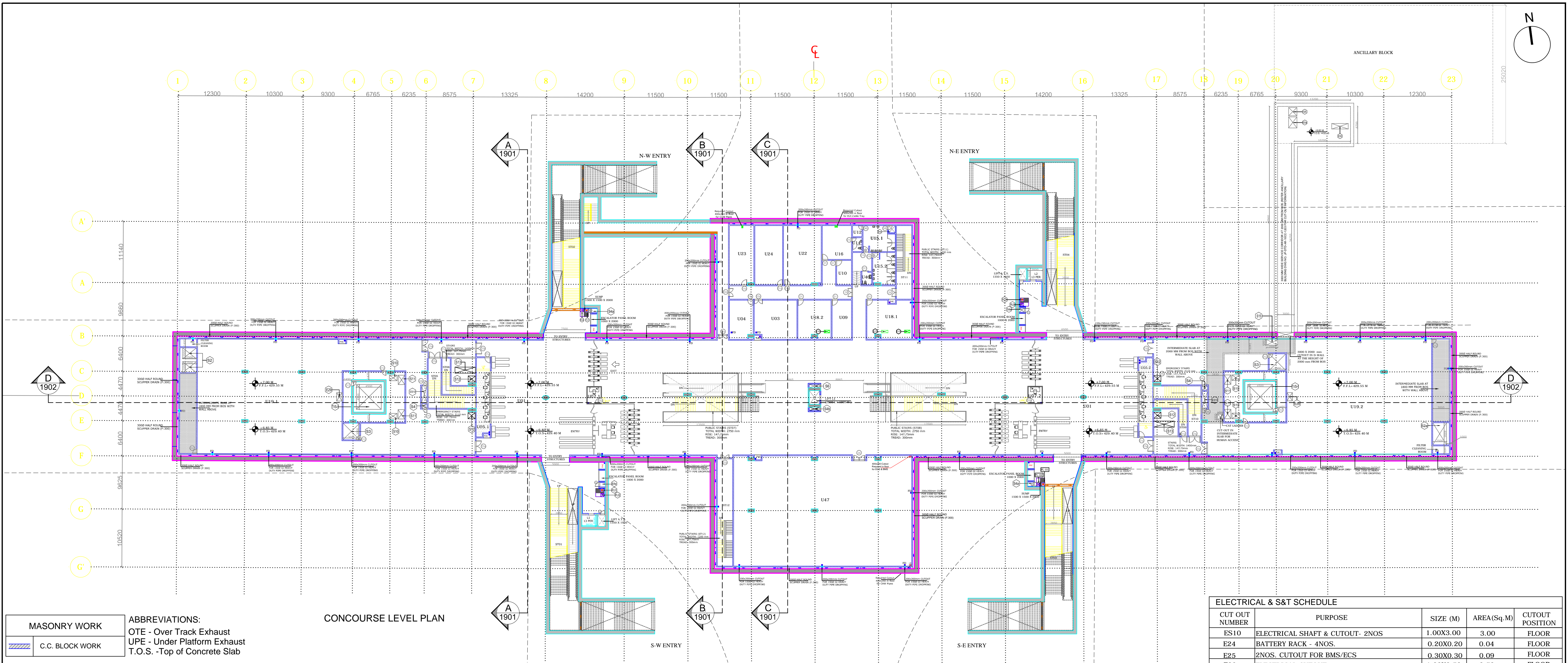
## ELECTRICAL SCHEDULE

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								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)														
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								DY CEE/EJUG-TR				CEE(E) UG-TR			PD			CPM																	
	REV							PARTICULARS				DRN.				CHD.				VER.				DATE				ISSUE DATE				REV. FOR CONSTRUCTION			

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

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





MASONRY WORK	
	C.C. BLOCK WORK

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CONCOURSE LEVEL PLAN

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- The wall cutouts are to be shown in SEM drawings .

ROOM SCHEDULE				
S.NO.	ROOM SCHEDULE	ROOM NAME	DIMENSION (Mt.) (LxW)	AREA (Sq.m.)
01	U01	UNPAID AREA		1035.90*
02	U02	PAID AREA		1497.75*
03	U03	STATION CONTROL ROOM (SCR)	7.700 x 7.050	54.29
04	U04	STATION MANAGER ROOM (SMR)	4.300 x 7.035	29.37*
05	U05.1	TICKET OFFICE (TOM)	2.500 x 14.34	34.80*
06	U05.2	TICKET OFFICE (TOM)	2.500 x 14.34	34.80*
07	U07.1	EXCESS FARE OFFICE (EFO)	2.500 x 3.000	7.50
08	U07.2	EXCESS FARE OFFICE (EFO)	2.500 x 3.000	7.50
09	U09	SECURITY ROOM 1	1.700 x 2.000	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 5.560	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	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				

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
S4b	PLUMBING SHAFT & CUTOUT	1.90X0.63	1.20	FLOOR
S4e	PLUMBING SHAFT & CUTOUT	1.22X1.30	1.59	FLOOR
PL01	SUMP PUMP CUTOUT	0.60X0.75	0.45	FLOOR
PL02	SUMP ACCESS CUTOUT	0.60X0.60	0.36	FLOOR

ECS SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA (Sq.M)	CUTOUP POSITION
S2	FRESH AIR - 2NO.	SHAFT 2.5X2.0	5.0	-
S2a	FRESH AIR - 1NO.	SHAFT 2.5X4.0	10.0	-
S3	EXHAUST AIR - 2NO.	SHAFT 3.0X3.0	9.0	-
S10	UPE CUT OUT- 4 NO.	1.4X1.0	1.4	FLOOR
S11	O.T.E CUT OUT- 4NO.	1.2X1.7	2.04	FLOOR
S12	SUPPLY AIR DUCT TO PLATFORM-4NO.	1.3X1.1	1.43	FLOOR
S13	CUT OUT DUCT FOR DUMP. TO PLATFORM-2NO.	3.7X1.1	4.07	FLOOR

TVS SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA (Sq.M)	CUTOUP POSITION
TVS-1	TUNNEL VENTILATION CUTOUT 2 NO	4.5X4.5	20.25	FLOOR
	TUNNEL VENTILATION SHAFT 2 NO	5.5X5.5	25.25	-

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

DOOR SCHEDULE					
D.NO.	OPENING	CILL LEVEL	LINTEL LEVEL	PARTICULARS	
D1	1000	2105	-	2105	90 MIN. FIRE RATED DOOR
D1a	1000	2105	-	2105	90 MIN. FIRE RATED DOOR WITH VISION PANEL
D1b	1000	2105	-	2105	METAL DOOR WITH AIR TRANSFER GRILL
D2	1500	2105	-	2105	90 MIN. FIRE RATED DOOR
D2a	1500	2105	-	2105	90 MIN. FIRE RATED DOOR WITH VISION PANEL
D3	2000	2105	-	2105	90 MIN. FIRE RATED DOOR
D3a	2000	2105	-	2105	90 MIN. FIRE RATED DOOR WITH VISION PANEL
D4	750	2105	-	2105	90 MIN. FIRE RATED DOOR
D4b	750	2105	100	2205	90 MIN. FIRE RATED DOOR
D4c	750	2105	100	2205	METAL DOOR
D5a	1000	2400	300	2700	GLASS DOOR
D6	1500	2405	-	2405	180 MIN. FIRE RATED DOOR WITH VISION PANEL
D11	1000	2105	-	2105	METAL DOOR WITH AIR TRANSFER GRILL
D12	800	800	200	1000	90 MIN. FIRE RATED DOOR

NOTE:- ALL LINTEL LEVELS ARE TO BE MEASURED FROM HIGHEST FINISHED FLOOR LEVELS.  
\*\* WIDTHS MENTIONED ARE ROUGH MASONRY OPENINGS.

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- ALL DOOR/WINDOW CILL & 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

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DY CSTE/AFC		ED/S&T	CSO
DY CSTE/SIGNALLING	CSTE-III	GM/O	GM/M
CEE/PLANNING	DY CEE/E&M	DY CEE/ECS	ED/ELEC-II
DY CEE/EJUG-TR	CEE(E) UG-TR	PD	CPM

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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 CHOUPER & BADI CHOUPER), 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 CHOUPER**

**DRAWING TITLE: CONCOURSE LEVEL PLAN**

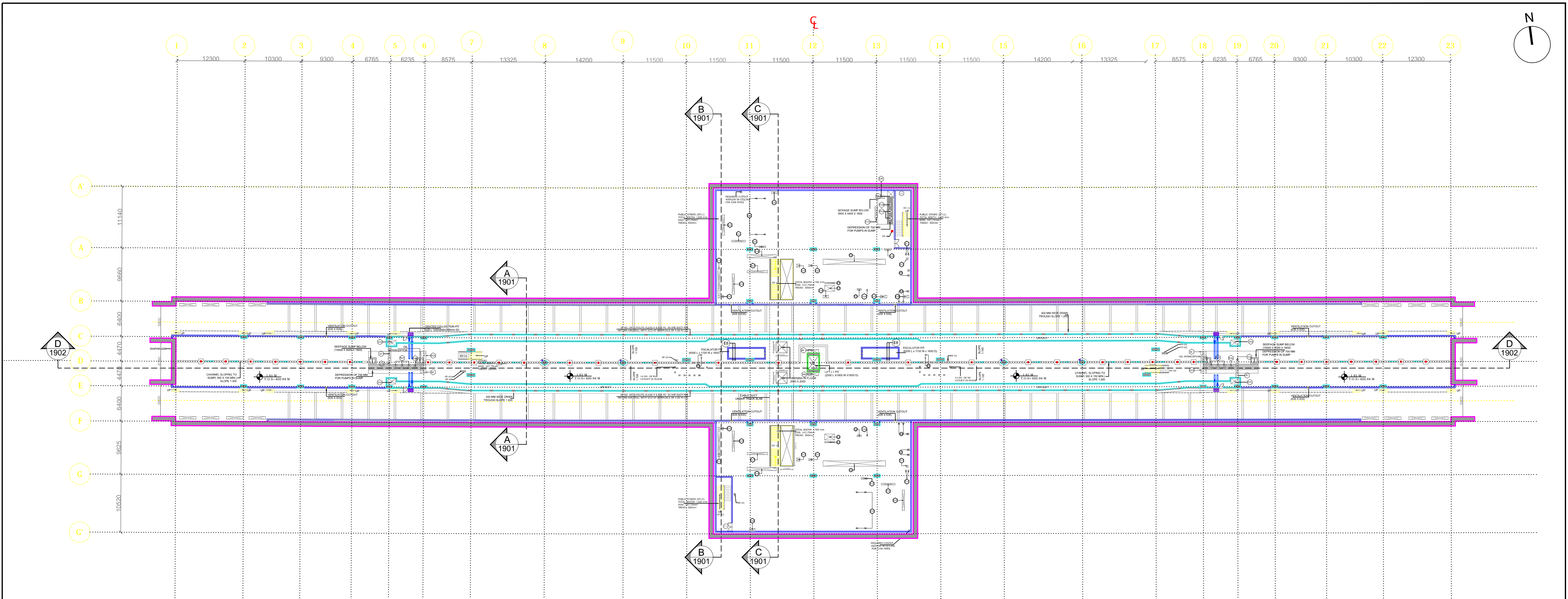
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UNDERCROFT LEVEL PLAN

- NOTES:**
- Ground levels, where shown are indicative, it shall be confirmed at site.
  - All levels are in Meters, indicating T.O.S. wherever applicable (Top of Concrete slab).
  - Absolute rail level shall be taken from JMRC/DMRC alignment drawing.
  - R.C.C. dimensions,thickness of walls and slabs are indicative and varies as per actual structural design.
  - All minimum internal clearance are mandatory and shall be provided.
  - Diaphragm wall to suit the final track alignment.
  - 230mm thk Fly ash bricks to be used in the track side cavity wall as per DSR 6.34
  - Expansion Joint shall be provided as per IS 456-2000.
  - Minimum clearance at any point in Undercroft shall be 1800 MM taking into account drainage slope @ 1:800 slope in long direction and 1:100 in cross directions.
  - Escalator pits, lift pits and sump pits size to be as per manufacturer's specification as finalized by JMRC/DMRC.
  - Escalator pit and lift pits drainage to be as per plumbing drainage drawings.
  - Column location in the service area to be co-ordinated and confirmed based on equipment layout provided by system wide contractors.
  - Information on actual size of cut-out and openings,OTE as per system wide contractors design.
  - Walls of vent shafts to be designed by the contractor to meet the wind pressure requirements of shaft,will be in RCC with stiffening columns & bracing.
  - Critical internal dimensions of vent shafts have been given.
  - All internal wall arrangements may change at the time of detailed drawings provided by JMRC/DMRC.
  - Location of ventshafts and connection of ancillary building to the station box may change as per requirement of system wide contractor. Hence contractor to coordinate with Detailed GFC and system wide contractors.
  - Location of internal stairs are indicative and can change in detailed design.
  - Rooms sizes can vary as per system wide contractors design.
  - Floor finish from T.O.S. level is 150 MM thick, except U45 (D.G.Set) and U18 (D.B. Room) having floor finish 50 MM thick.
  - All F.H.Cs to be provided with floor drains.
  - 3 No., 100mm Ø sleeves to be provided in escalator pit for sprinkler pipes.
  - RCC cutouts are to be shown in SEM (WOD) drawings .

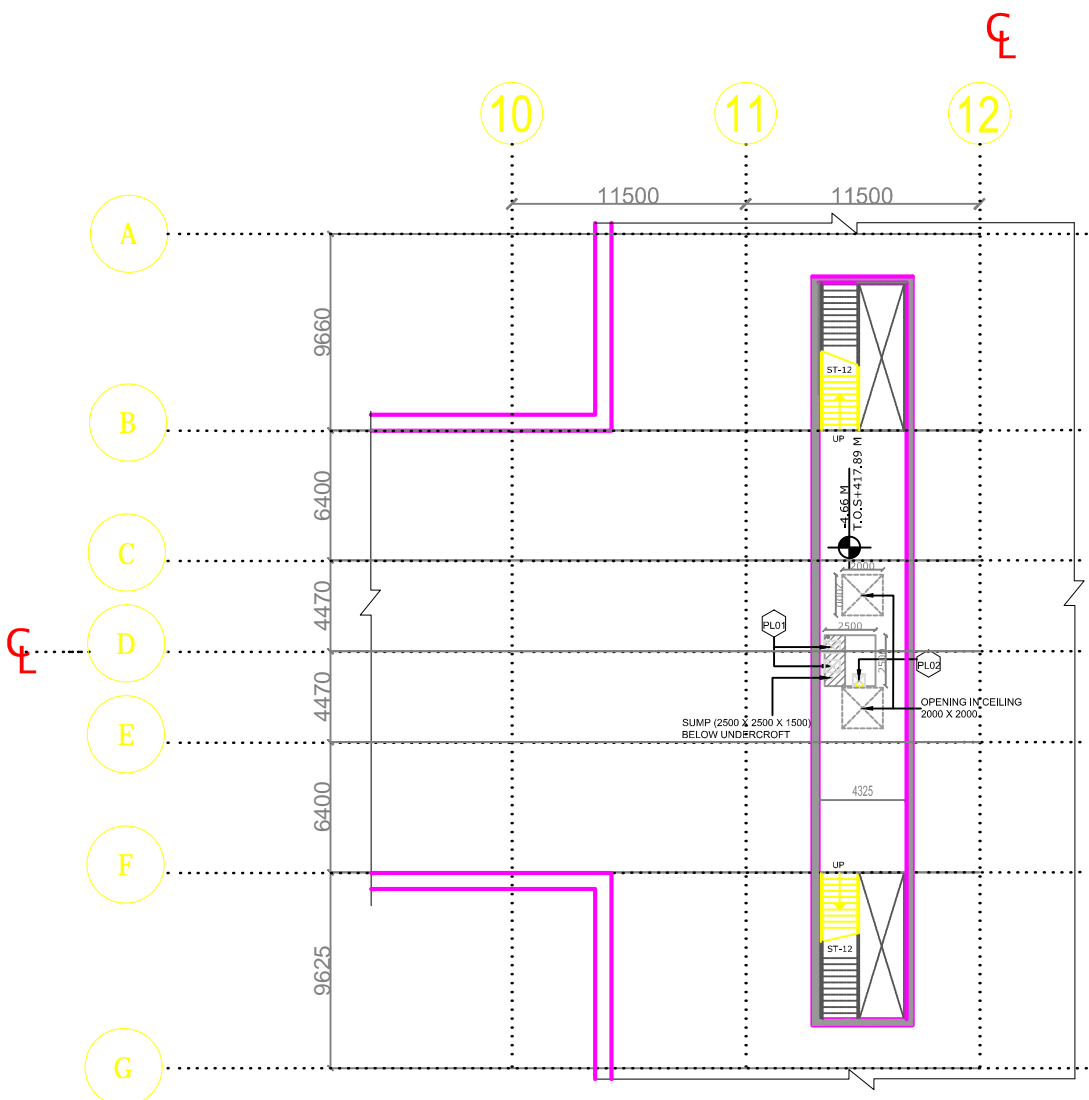
DOOR SCHEDULE				
D.NO.	OPENING		CILL LEVEL	LINTEL LEVEL
	**WIDTH	HEIGHT		
D1c	1000	1800	-	1800
D9a	800	750	-	100mm from slab bottom
D6	1500	2405		2405
180 MIN.FIRE RATED DOOR WITH VISION PANEL				

NOTE:- ALL LINTEL LEVELS ARE TO BE MEASURED FROM HIGHEST FINISHED FLOOR LEVELS.  
\*\* WIDTHS MENTIONED ARE ROUGH MASONRY OPENINGS.

PLUMBING & FIRE FIGHTING SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUT OUT POSITION
PL01	SUMP CUTOUT	0.60X0.75	0.45	FLOOR
PL02	SUMP ACCESS CUTOUT	0.60X0.60	0.36	FLOOR

MASONRY WORK	
	C.C. BLOCK WORK
	FLYASH BRICK WORK

ABBREVIATIONS:  
OTE - Over Track Exhaust  
UPE - Under Platform Exhaust  
T.O.S. -Top of Concrete Slab



BELOW UNDERCROFT LEVEL PLAN

GENERAL NOTES:

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REFERENCE DRAWINGS	
Drig. No.	Description

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

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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 CHOUPER & BADI CHOUPER), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO**

**ayesa** Engineering. Information. Imagination.  
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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 CHOUPER**

**DRAWING TITLE: UNDERCROFT LEVEL PLAN**

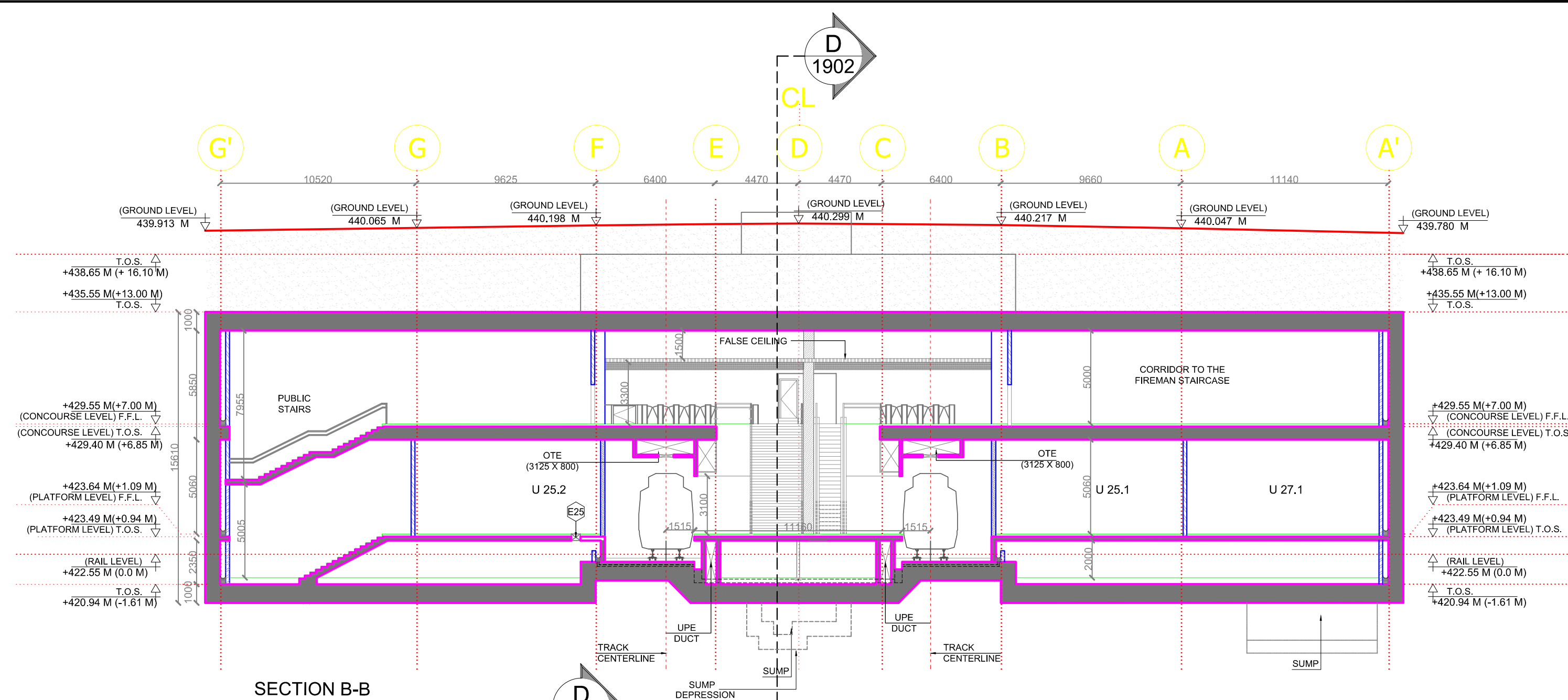
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US		SC	AB

DATE:	REV:	GRAPHICAL SCALE:	STATUS:
09-01-2015	R0	1:350	FOR GFC

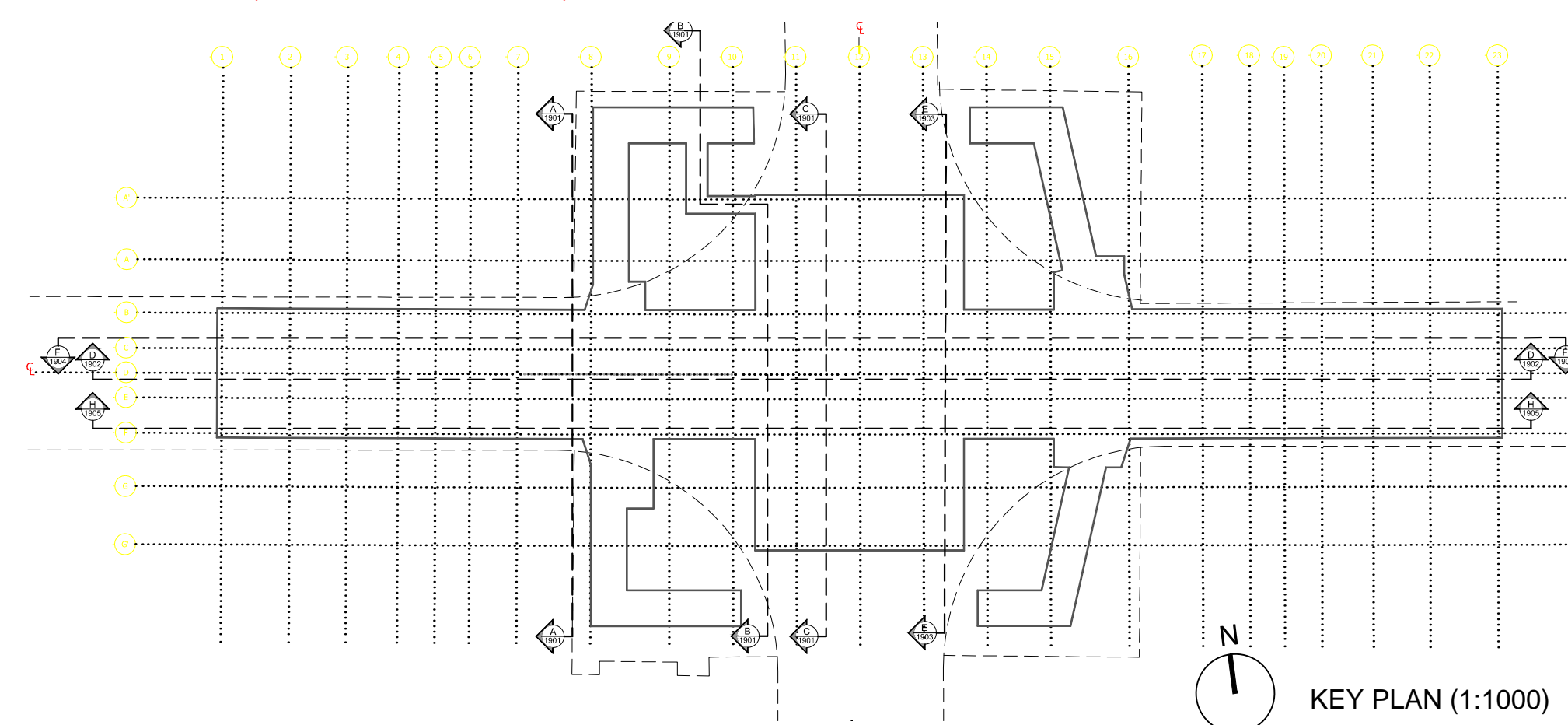
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SECTION B-B




...

- Information on actual size of cut-out and openings,OTE as per system wide contractors design.
- Walls of vent shafts to be designed by the contractor to meet the wind pressure requirements of shaft, can be in R.C.C. or block work with stiffening columns & bracing.
- Critical internal dimensions of vent shafts have been given.
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- All F.H.Cs to be provided with floor drains.
- 3 No., 100mm Ø sleeves to be provided in escalator pit for sprinkler pipes.
- The wall cutouts are to be shown in SEM drawings .

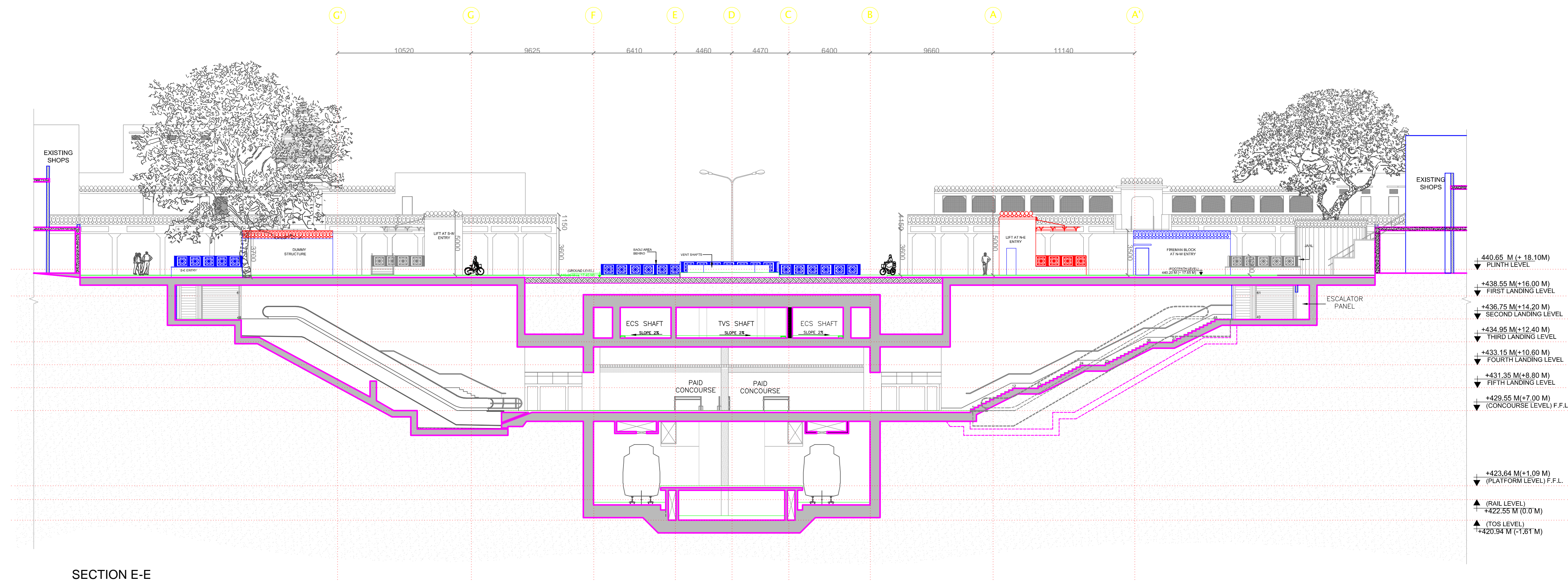
ABBREVIATIONS:  
OTE - Over Track Exhaust  
UPE - Under Platform Exhaust  
T.O.S. -Top of Concrete Slab

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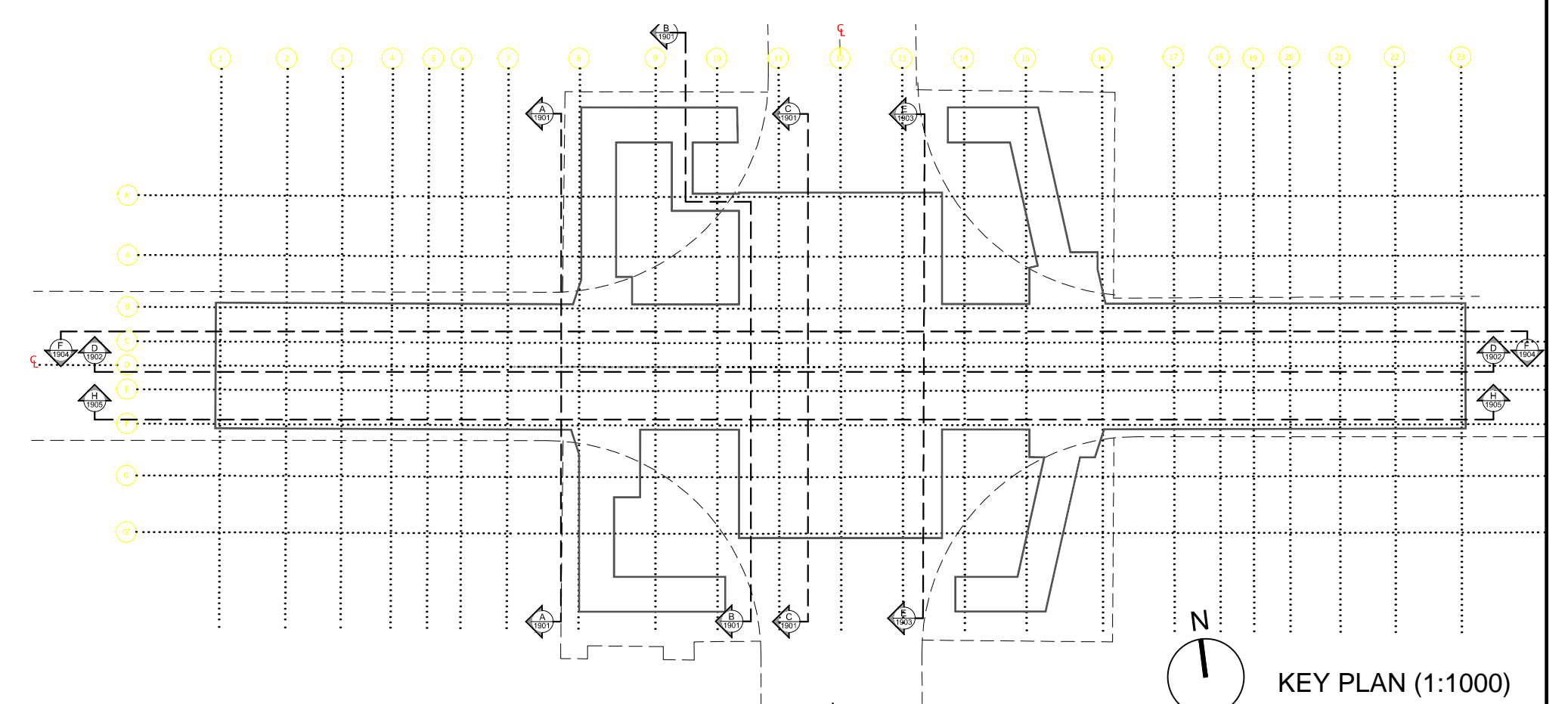




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	REFERENCE DRAWINGS Drg. No.      Description												Architecture Design In-charge/ Coordinator		Structure Design In-charge/ Coordinator		E&M Design In-charge/ Coordinator							
																			DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI 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)					
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