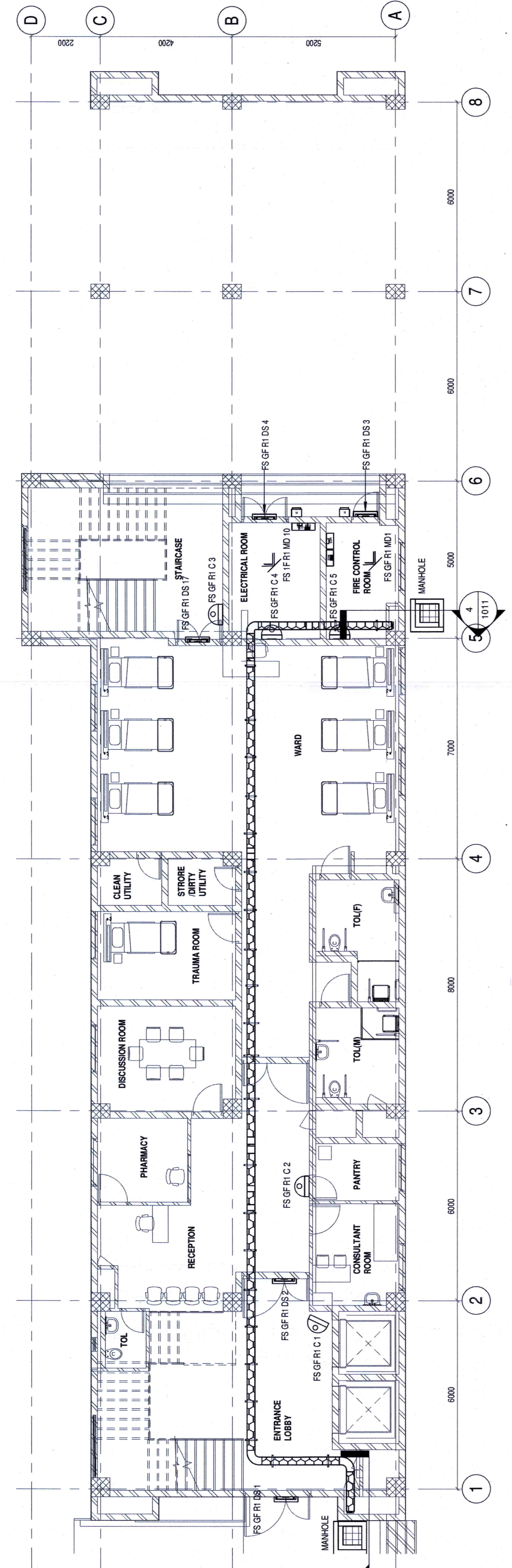
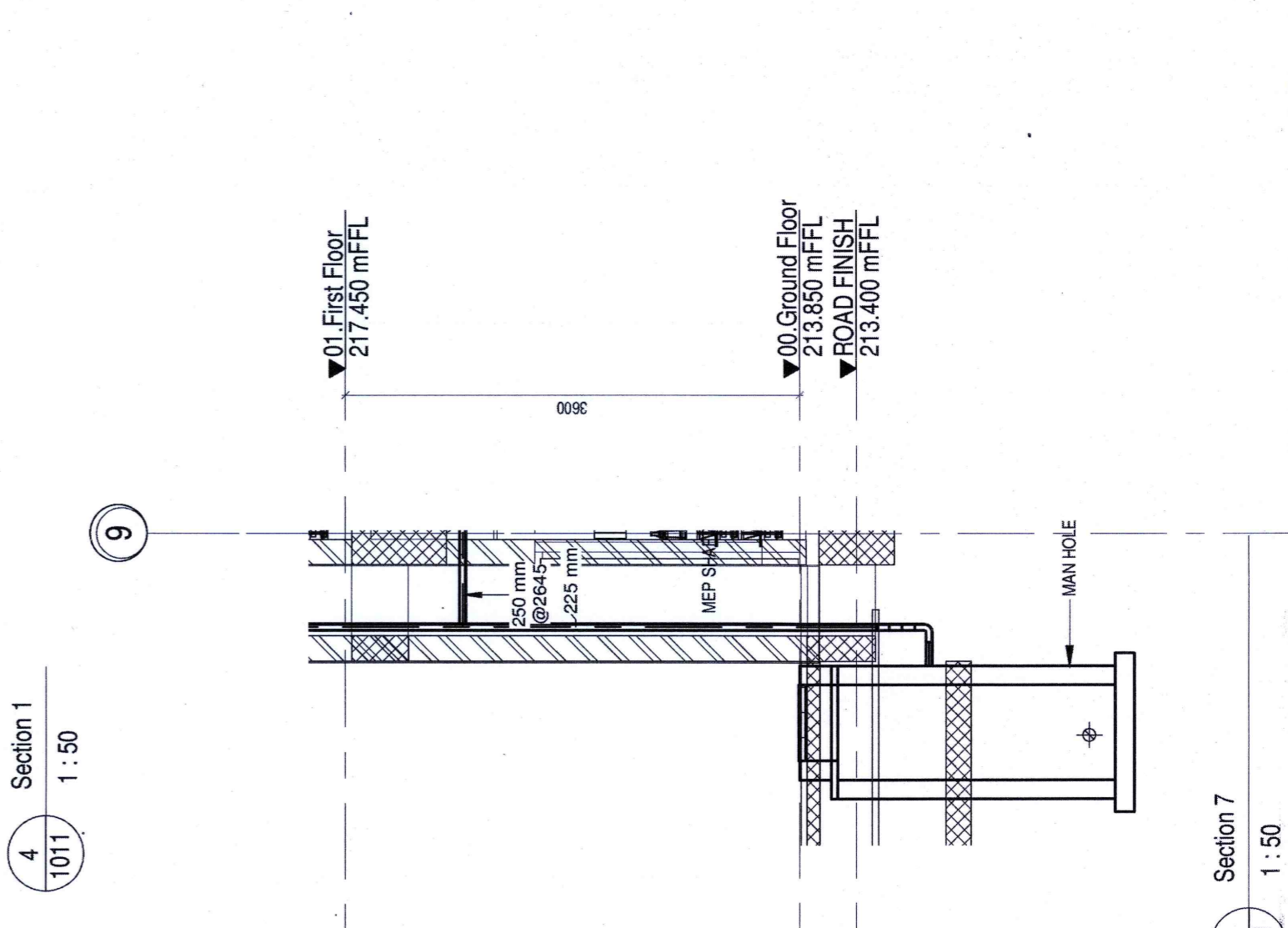
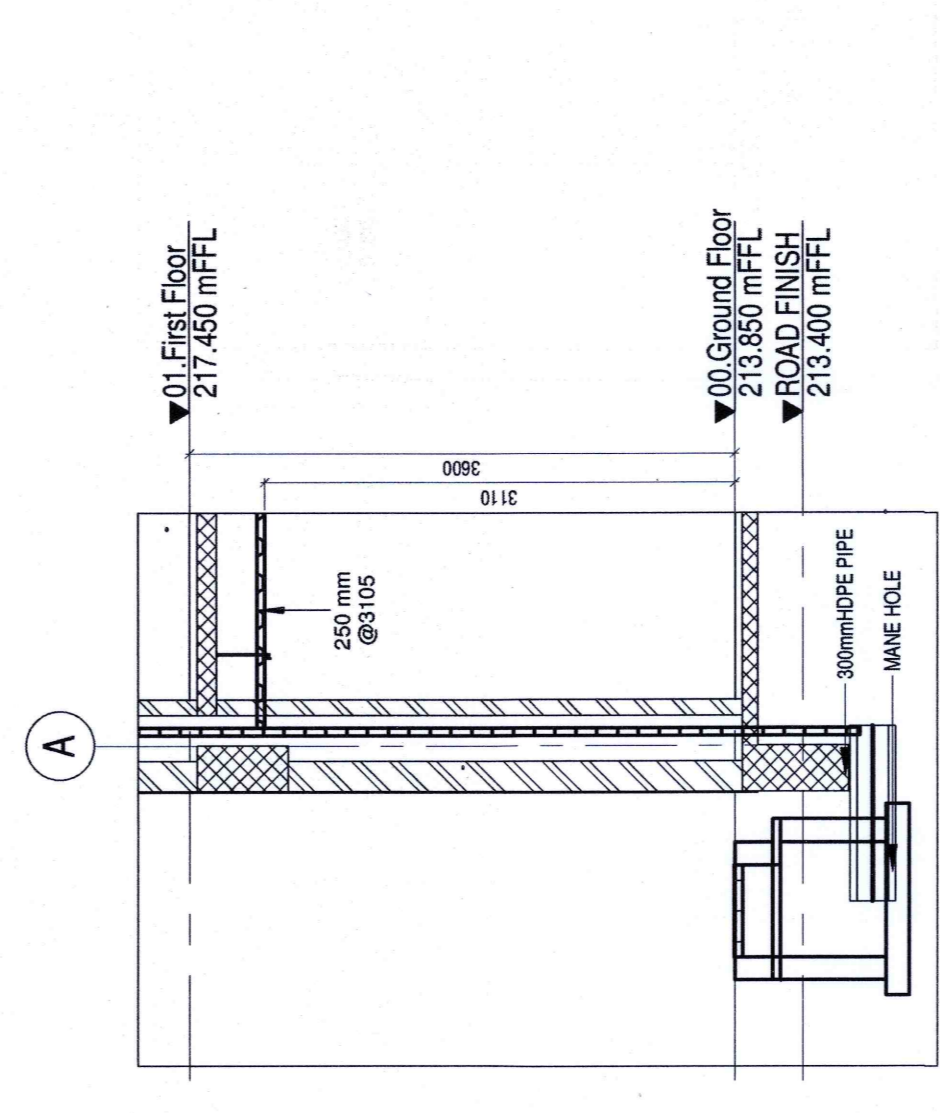
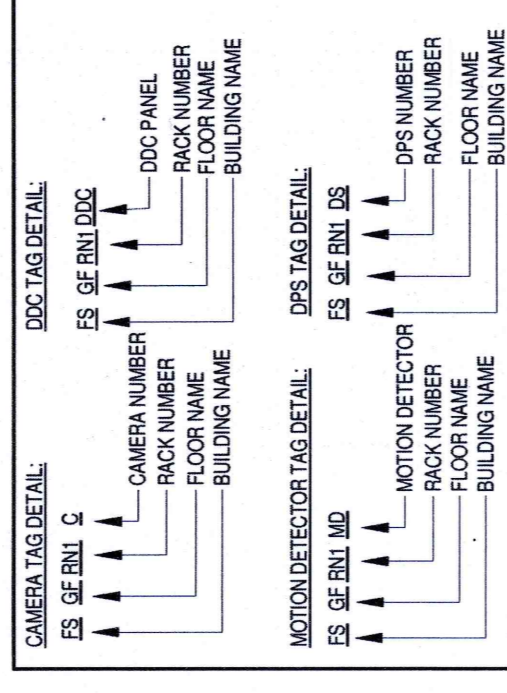


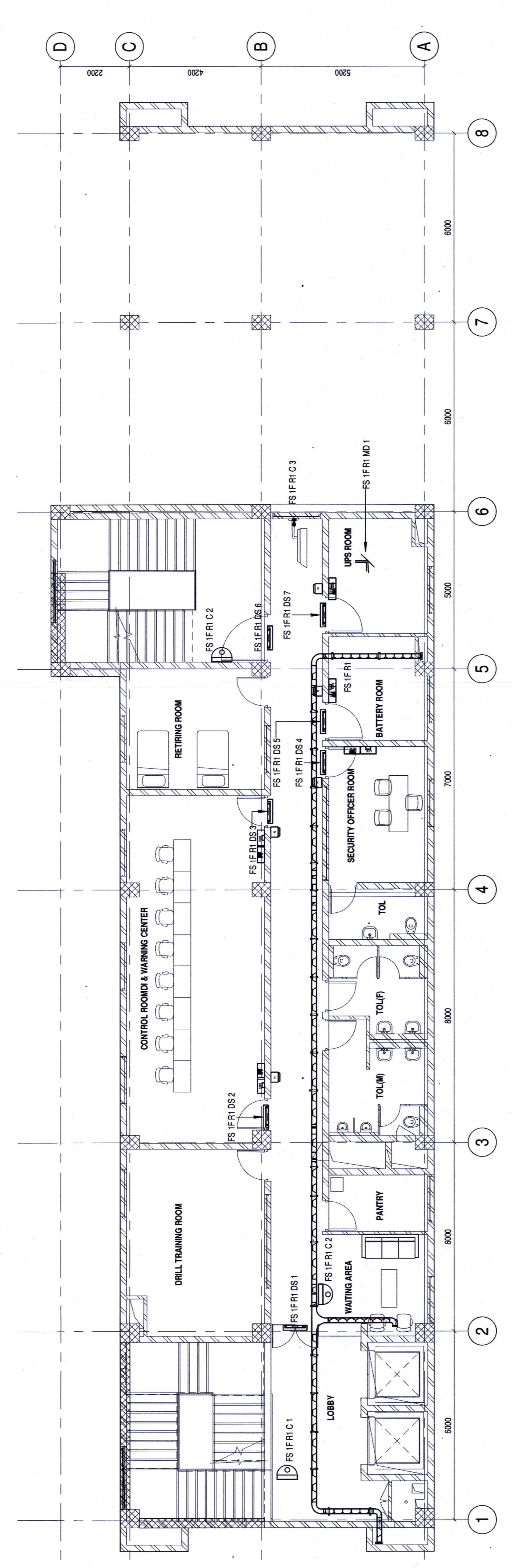
SNO	SYMBOL	DESCRIPTION	MOUNTING HEIGHT
1	1	DOOR CAMERA	WALL MOUNTED, CEILING MOUNTED
2	2	MULTI TECHNOLOGY	1000mm FROM FFL
3	3	EXIT SIGNIFICATION	1000mm FROM FFL
4	4	EMERGENCY LIGHT	1000mm FROM FFL
5	5	DOOR POSITION SENSOR	ON DOOR
6	6	DOOR PANEL	1000mm FROM FFL
7	7	ICT PANEL	WALL MOUNTED
8	8	ASD PANEL	WALL MOUNTED
9	9	BULLET CAMERA	WALL MOUNTED
10	10	360 DEGREE CAMERA	POLE MOUNTED
11	11	360 DEGREE CAMERA	POLE MOUNTED
12	12	LEVEL TRANSMITTER	CEILING MOUNTED

NOTES:

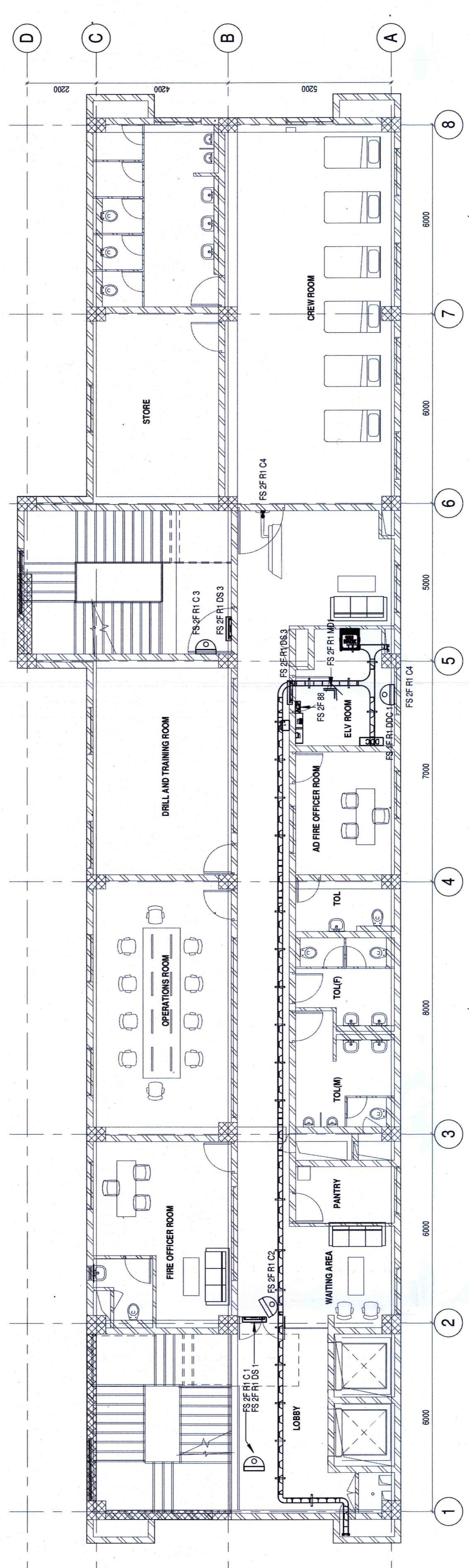
1. REFER TO SPECIFICATIONS FOR MORE DETAILS.
2. DOOR PANELS SHALL BE PROVIDED FOR ALL DOORS.
3. ALL WIRING SHALL BE PROVIDED IN CONDUIT THROUGH THE WALLS.
4. ALL WIRING SHALL BE PROVIDED IN CONDUIT THROUGH THE WALLS.
5. ALL WIRING SHALL BE PROVIDED IN CONDUIT THROUGH THE WALLS.
6. ALL WIRING SHALL BE PROVIDED IN CONDUIT THROUGH THE WALLS.
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12. ALL WIRING SHALL BE PROVIDED IN CONDUIT THROUGH THE WALLS.



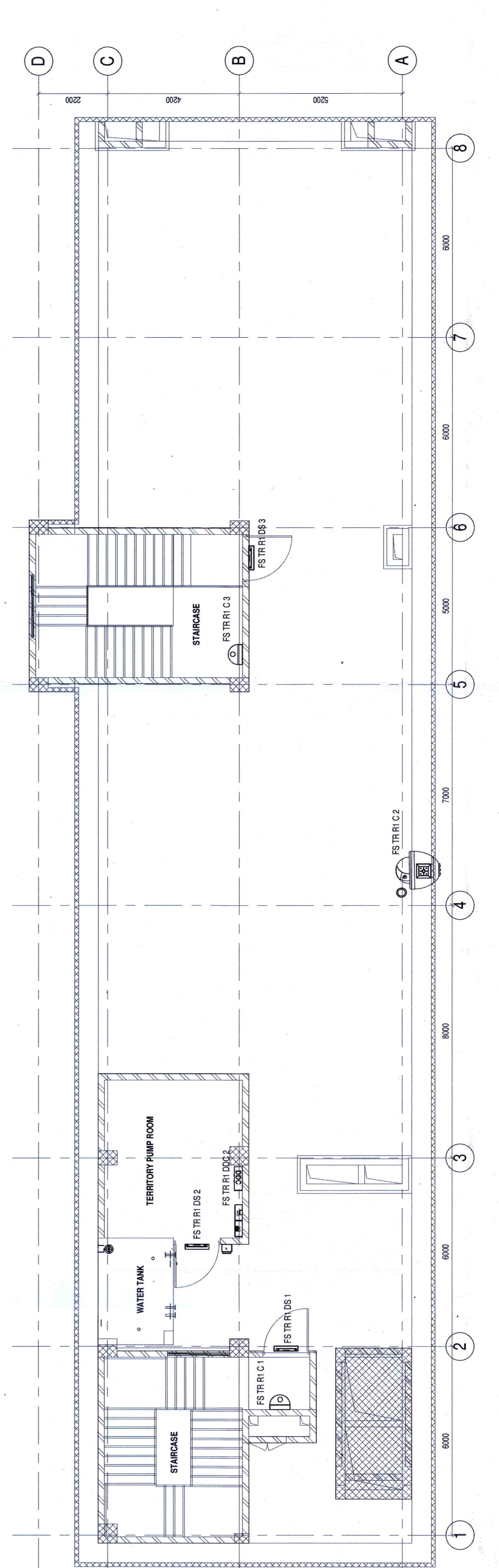
1011 1:100 FIRE STATION/DISASTER MANAGEMENT MEDICAL CENTRE SECURITY GROUND FLOOR ELY LAYOUT



1012 1:100 FIRE STATION/DISASTER MANAGEMENT MEDICAL CENTRE SECURITY FIRST FLOOR ELY LAYOUT



1013 1:100 FIRE STATION/DISASTER MANAGEMENT MEDICAL CENTRE SECURITY SECOND FLOOR ELY LAYOUT



1014 1:100 FIRE STATION/DISASTER MANAGEMENT MEDICAL CENTRE SECURITY TERRACE FLOOR ELY LAYOUT

APPROVED BY: [Signature]

DESIGNED BY: [Signature]

CHECKED BY: [Signature]

DATE: 10/11/2023

PROJECT NAME: FIRE STATION/DISASTER MANAGEMENT MEDICAL CENTRE SECURITY - ELY LAYOUTS

CLIENT: [Client Name]

LOCATION: [Location]

REVISIONS:

NO.	DESCRIPTION	DATE	BY	CHKD BY
1	ISSUED FOR CONSTRUCTION	10/11/2023	[Signature]	[Signature]

CONTRACTOR: L&T Construction

PROJECT NO.: 017203

DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTION & EXPO CENTRE

SECTOR 26, GAWAZI, NEW DELHI, INDIA

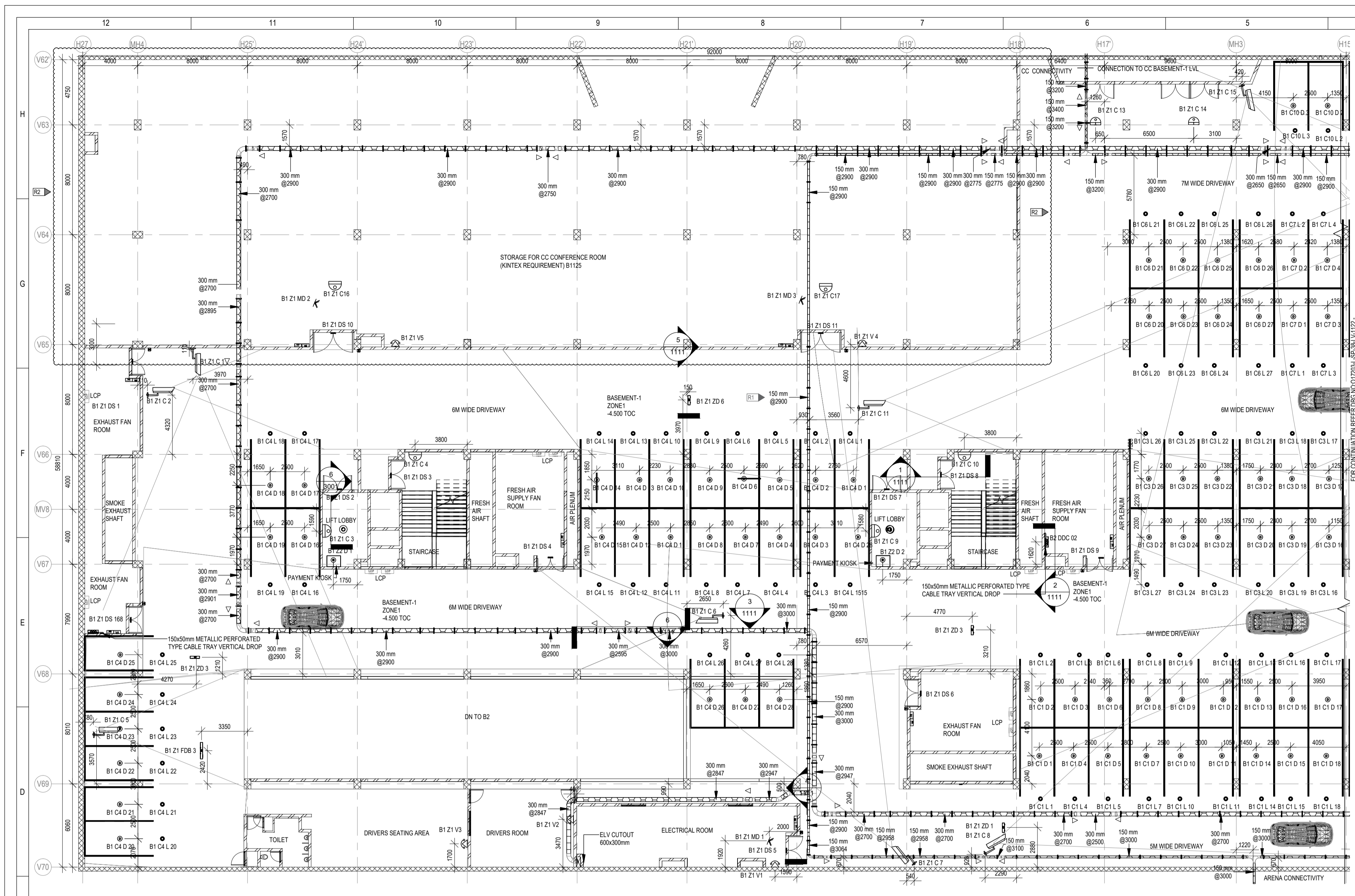
DRAWING NO.: 1011

REV. NO.: R0

DATE: 10/11/2023

SCALE: AS SHOWN

E:\pradeep.s2.operating\dwarka_LCC\CC-Parking - B1 ELV System Layout 10F2.dwg, Layout1, 20-06-2020 15:05:47, ISO A1 (841.00 x 594.00 MM)



LEGENDS:

SL	SYMBOL	DESCRIPTION	FIXING LEVEL
1	000	DDC PANEL	1200mm FROM FFL
2	150Wx50mm(H) METALLIC PERFORATED TYPE CABLE TRAY	MADE OF HOT DIP GALVANISED SHEETS	
3	300Wx50mm(H) METALLIC PERFORATED TYPE CABLE TRAY	MADE OF HOT DIP GALVANISED SHEETS	
4	D	ULTRASONIC DETECTOR	SURFACE MOUNTED
5	LED INDICATOR	SURFACE MOUNTED	
6	INDOOR FIXED DOME CAMERA	SURFACE / WALL MOUNTED	
7	BULLET CAMERA	SURFACE MOUNTED	
8	EXIT PUSH BUTTON	1000mm FROM FFL	
9	EMERGENCY DOOR RELEASE	1000mm FROM FFL	
10	MULTI TECHNOLOGY CARD READER	1000mm FROM FFL	
11	FLOOR DISPLAY BOARD	3100mm FROM BOTTOM OF FLOOR DISPLAY BOARD TO FFL	
12	ZONE DISPLAY BOARD	3100mm FROM BOTTOM OF ZONE DISPLAY BOARD TO FFL	
13	DOOR POSITION SENSOR	ON DOOR	
14	PAYMENT KIOSK	FLOOR / WALL MOUNTED	
15	VOICE SOCKET	750mm FROM FFL	
16	DATA SOCKET	750mm FROM FFL	
17	MOTION DETECTOR	SURFACE MOUNTED	
18	DUCT SUPPORT		
19	CABLE TRAY RISE & DROP		

NOTES:

- GENERAL**
- CONDUITS IN EXPOSED MS CONDUIT TO BE USED
 - OVER FALSE CEILING UNDER FLOOR OR EMBEDDED PVC CONDUITS TO BE USED
 - ALL CONDUITS SHOULD BE EQUIPPED WITH A PULL CORDS WITH SUITABLE TENSION POWER.
 - PULL BOXES WITH SUITABLE SIZE SHOULD BE PROVIDED IN ALL CONDUIT SECTIONS THAT ARE CONTAINING MORE THAN TWO 90 DEGREE BENDS.
 - ALL DEVICES LOCATIONS AND ORIENTATION ARE INDICATIVE. EXACT LOCATION SHALL BE SHOWN IN THE GEM SHOP DRAWING.
 - THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
 - THE EXACT CONDUIT/TRAY ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH THE ENGINEER INCHARGE TO SUIT LEVEL AND SITE CONDITION.
 - A CABLE TRAY SUPPORT MUST ALSO BE PLACED WITHIN 60 METERS ON EACH SIDE OF ANY CONNECTION TO A FITTING.
 - A MINIMUM SEPARATION DISTANCE 300MM AND SHOULD BE KEPT PHYSICALLY BETWEEN LIGHT CURRENT CABLES AND MEDIA VOLTAGE CABLES.
 - METALLIC PERFORATED TYPE TYPE HOT DIP GALVANIZED CABLE TRAY FOR ICT SYSTEM.
- 1. FOR CCTV CAMERA, CAT6A CABLES SHALL BE USED. CABLES SHALL BE DRAWN THROUGH TRAY/20mm MS CONDUITS UP RESPECTIVE NEARBY STR ROOM.**
- 2. THE CCTV CAMERA VIEW ANGLE TO BE SET AS PER THE COVERAGE LOCATION EX. ENTRANCE, DOOR/RECEPTION ETC.**
- 3. THE SHOWN CAMERA LOCATIONS ARE INDICATIVE. FIELD OF VIEW OF EACH CAMERA MUST BE GENERATED BY OEM/FURNITURE FOR JUSTIFYING CHOSEN CAMERA TYPE, LENS TYPE ETC.**
- ACCESS CONTROL SYSTEM**
- ALL CABLES FROM CARD READER/MAGNETIC LOCK/DOOR CONTACT/PUSHBUTTON SHALL BE TERMINATED AT ACCESS CONTROL PANEL.
 - ACCESS CONTROL PANELS SHALL BE CONNECTED TO SWITCH LOCATED AT NEAR BY STR ROOM. BY CAT 6A UTP CABLE.
 - POWER POINT/SOCKET FOR ALL THE ACCESS CONTROL PANELS. REFER ELECTRICAL POWER LAYOUT.
 - DPS ARE CONNECTED TO RESPECTIVE ZONE INTRUSION ALARM CONTROLLER IN NEARBY STR ROOM BMS.
- 1. TENTATIVE DIMENSIONS OF THE DDC PANEL IS SHOWN DEPENDS ON OEM.**
- 2. DDC CONTROLLER AND IO MODULE CONFIGURATION AS PER GEM SYSTEM DESIGN.**
- 3. LOCATION FOR THE SENSORS ARE SHOWN IN THE LAYOUT IS INDICATIVE.**
- 4. TYPE OF CABLE TO FIELD CONNECTIONS AS PER BMS CABLE SCHEDULE.**
- 5. THE MAIN INTEGRATION PROTOCOL SHALL BACNET OVER TCP/IP & BACNET OVER MSTP. CAR PARKING NOTES**
- ALL CABLES FROM ZONAL CONTROLLER PANEL TO EACH ULTRASONIC DETECTOR SHALL BE LOOPED THROUGH 4x1.5sqmm TWISTED PAIR SHIELDED ARMOURD CABLE AS PER TAGGING INDICATED IN THE DRAWING.
 - ALL CABLES FROM ULTRASONIC DETECTOR TO LED INDICATOR SHALL BE CONNECTED THROUGH 4x1.5sqmm TWISTED PAIR SHIELDED ARMOURD CABLE.
 - THE DISPLAY AT ENTRY OF THE BASEMENT 1 ZONAL DISPLAY SHALL BE LOOPED & CONNECTED TO DISPLAY LOGIC CONTROLLER BY 4x1.5sqmm TWISTED PAIR SHIELDED ARMOURD CABLE.
 - ZONAL CONTROLLER SHALL BE CONNECTED TO NEAREST NETWORK SWITCH THROUGH CAT 6A CABLE.
- DATA VOICE**
- PARK 20 AND CAT5A UTP CABLE TO BE USED TO CONNECT RJ 45 DATA/VOICE SOCKETS TO JACK PANEL.
 - WHEREVER POWER AND LV CABLES ARE RUNNING IN PARALLEL, THEY SHALL BE SEPARATED BY A DISTANCE OF MINIMUM 300MM.
 - AREAS AND MEP ROOMS CABLES FOR DATA & VOICE SHALL BE TAKEN FROM CEILING CONDUIT.
 - ALL WALL MOUNTED TELEPHONE/ DATA SOCKETS COULD BE ALIGNED AT A HEIGHT OF 700MM FROM FFL UNLESS AND OTHERWISE SPECIFIED SOCKETS ABOVE COUNTER SLABS TO BE MOUNTED AT A HEIGHT OF 900MM FROM FFL SOCKETS IN PLANT ROOMS TO BE MOUNTED AT A HEIGHT OF 900MM FOR ALL OTHER TELEPHONE AND DATA SOCKETS THE LEVEL SHALL BE MAINTAINED AS PER FURNITURE LAYOUT AND ARCHITECTURAL CONCURRENCE AS PER SITE CONDITION.
 - THE STORE AND SERVICES AREA DATA VOICE POINTS WILL BE PROVIDED BASED ON FURNITURE LAYOUT.
- DAS SYSTEM**
- THE DAS SYSTEM FOR MOBILE CARRIERS WILL BE DONE AFTER SITE SURVEY BY SPECIALIST ONCE STRUCTURE IS READY AND EPC/CC WILL ENSURE THE DAS COVERAGE.

Owner / Employer

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Department of Industrial Policy and Promotion Ministry of Commerce & Industry Government of India

Knowledge Partner

Delhi Mumbai Industrial Corridor Development Corporation
Room No. 341 B, 3rd Floor, Haveli Anand, Diplomatic Enclave, 508 Connaught, New Delhi - 110021

Employer's Representative

Programme Manager
Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architects Consultants (PEAC)

idom

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EPC Contractor

L&T Construction
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Mount Postman Road, Manapakkam, P.O.No.879, Chennai - 600 059

EPC Contractor's Representatives

Design Consultant
Engineering Design and Research Center (EDRC)
L&T Construction - Buildings & Factories

Architectural Consultant

ARCOP Arcop Associates Pvt. Ltd.
A-15 Pampala Enclave, G-1-1, New Delhi, Delhi 110048, India

Structural Proof Consultant

Indian Institute of Technology (IIT) Madras
Sadar Patel Rd. Opposite to C. L.R.I. Aiyar, Chennai, Tamil Nadu 600036

MEP Proof Consultant

Egis Egis India Consulting Engineers Pvt. Ltd.
Plot No. 86, Sector 32, Institutional Area, Opp. Anand Skulpture, Gurgaon, Haryana 122001

ICT Proof Consultant

CR CR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Narayana Arcade, Subbaramacherry Road, Nellore, Andhra Pradesh, Basavanagudi, Bengaluru - 560004

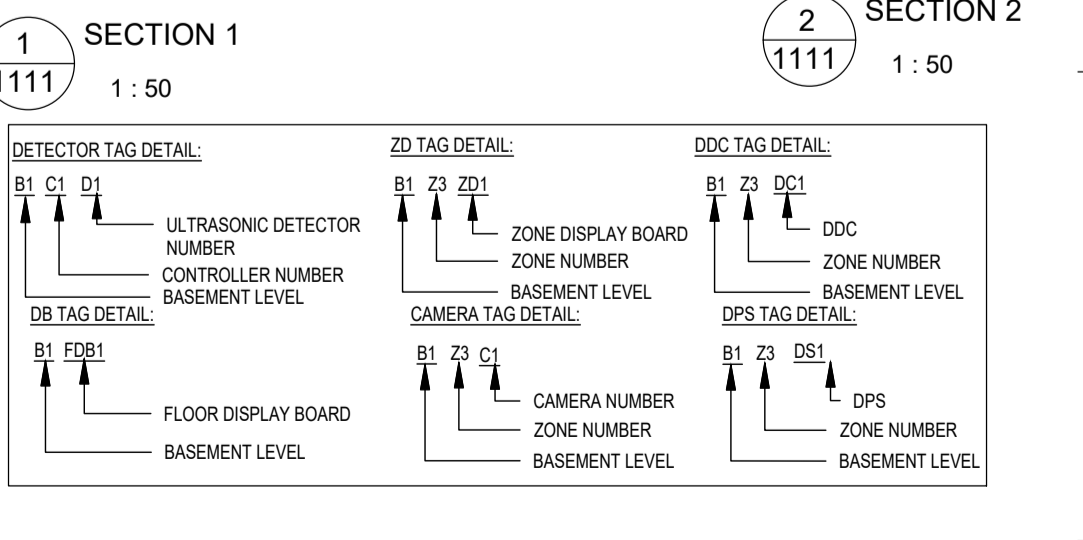
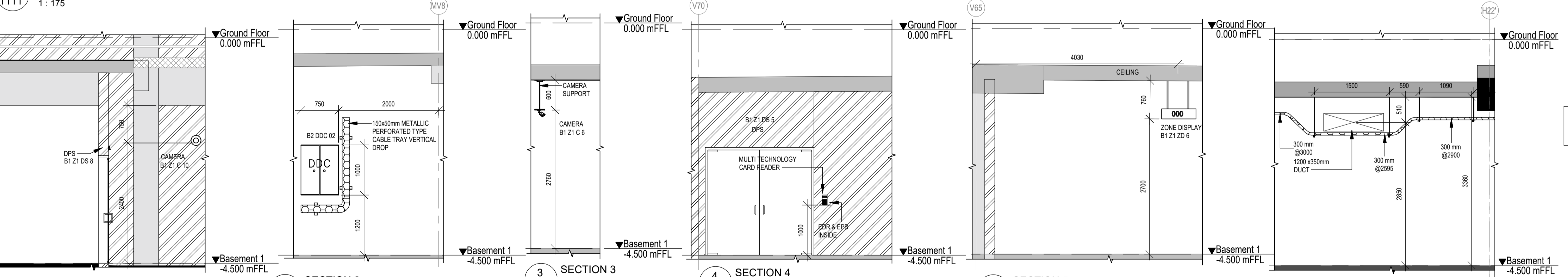
Certification

EPC Contractor					
Design Consultant					
Architectural Consultant					
Proof Consultant					
Structural	MEP	ICT			
PEAC					

Issued by:
Employer / Employer's Engineer

REVISED AS PER REVISION	HISTORY 2 AND ISSUED AS GOOD FOR CONSTRUCTION	DATE	DSGN	DRWN	CHKD	APPD
R2		19/06/2019	SP	PSY	MSK	GNR

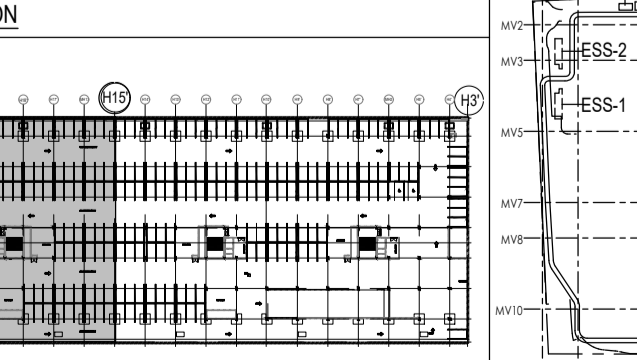
BASEMENT LEVEL-1 ELV SYSTEM LAYOUT ZONE 1 (SHEET 1 OF 2)



REFERENCE DRAWINGS:

- 017203-E-SP-38-LV-0001 - CC-PARKING-B-4 LIGHTING & POWER LAYOUT 1/2
- 017203-E-SP-38-LV-0002 - CC-PARKING-B-4 LIGHTING & POWER LAYOUT 2/2
- 017203-L-SP-38-LV-1111-CC-B-1 ELV SYSTEM LAYOUT 1/2
- 017203-L-SP-38-LV-1122-CC-B-2 ELV SYSTEM LAYOUT 1/2
- 017203-L-SP-38-LV-1111-CC-B-3 ELV SYSTEM LAYOUT 1/2
- 017203-L-SP-38-LV-1222-CC-B-2 ELV SYSTEM LAYOUT 2/2
- 017203-L-SP-38-LV-1011-CC-B-3 ELV SYSTEM LAYOUT 1/2
- 017203-L-SP-38-LV-1222-CC-B-3 ELV SYSTEM LAYOUT 2/2
- 017203-L-SP-38-LV-1200-CC-B-4 ELV SYSTEM LAYOUT 1/2
- 017203-L-SP-38-LV-1200-CC-B-4 ELV SYSTEM LAYOUT 2/2
- 017203-L-SP-38-IO-SUMMARY-B1&B2
- 017203-L-SP-38-IO-SUMMARY-B3&B4
- 017203-L-SP-38-IO-SUMMARY-B5&B6
- 017203-L-SP-38-IO-SUMMARY-B7&B8
- 017203-L-SP-38-IO-SUMMARY-B9&B10
- 017203-L-SP-38-IO-SUMMARY-B11&B12
- 017203-L-SP-38-IO-SUMMARY-B13&B14
- 017203-L-SP-38-IO-SUMMARY-B15&B16
- 017203-L-SP-38-IO-SUMMARY-B17&B18
- 017203-L-SP-38-IO-SUMMARY-B19&B20
- 017203-L-SP-38-IO-SUMMARY-B21&B22
- 017203-L-SP-38-IO-SUMMARY-B23&B24
- 017203-L-SP-38-IO-SUMMARY-B25&B26
- 017203-L-SP-38-IO-SUMMARY-B27&B28
- 017203-L-SP-38-IO-SUMMARY-B29&B30
- 017203-L-SP-38-IO-SUMMARY-B31&B32
- 017203-L-SP-38-IO-SUMMARY-B33&B34
- 017203-L-SP-38-IO-SUMMARY-B35&B36
- 017203-L-SP-38-IO-SUMMARY-B37&B38
- 017203-L-SP-38-IO-SUMMARY-B39&B40
- 017203-L-SP-38-IO-SUMMARY-B41&B42
- 017203-L-SP-38-IO-SUMMARY-B43&B44
- 017203-L-SP-38-IO-SUMMARY-B45&B46
- 017203-L-SP-38-IO-SUMMARY-B47&B48
- 017203-L-SP-38-IO-SUMMARY-B49&B50
- 017203-L-SP-38-IO-SUMMARY-B51&B52
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- 017203-L-SP-38-IO-SUMMARY-B67&B68
- 017203-L-SP-38-IO-SUMMARY-B69&B70
- 017203-L-SP-38-IO-SUMMARY-B71&B72
- 017203-L-SP-38-IO-SUMMARY-B73&B74
- 017203-L-SP-38-IO-SUMMARY-B75&B76
- 017203-L-SP-38-IO-SUMMARY-B77&B78
- 017203-L-SP-38-IO-SUMMARY-B79&B80
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- 017203-L-SP-38-IO-SUMMARY-B83&B84
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- 017203-L-SP-38-IO-SUMMARY-B89&B90
- 017203-L-SP-38-IO-SUMMARY-B91&B92
- 017203-L-SP-38-IO-SUMMARY-B93&B94
- 017203-L-SP-38-IO-SUMMARY-B95&B96
- 017203-L-SP-38-IO-SUMMARY-B97&B98
- 017203-L-SP-38-IO-SUMMARY-B99&B100

DISCIPLINE	DRAWING NO
ARCHITECTURAL	017203-A-SP-38-WD-0003
STRUCTURAL	017203-C-SP-38-NU-0004
ELECTRICAL EQUIPMENT & CABLE LAYOUT	017203-E-SP-38-EE-0015
FAS	017203-F-SP-38-FA-0011
HVAC	017203-L-SP-38-VS-0002
PHE	017203-U-SP-38-IP-0001



EPC Contractor

L&T Construction
Buildings & Factories

JOB NO : 017203

Project Name
DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTION & EXPO CENTRE

SECTOR 25, DWARKA, NEW DELHI, INDIA

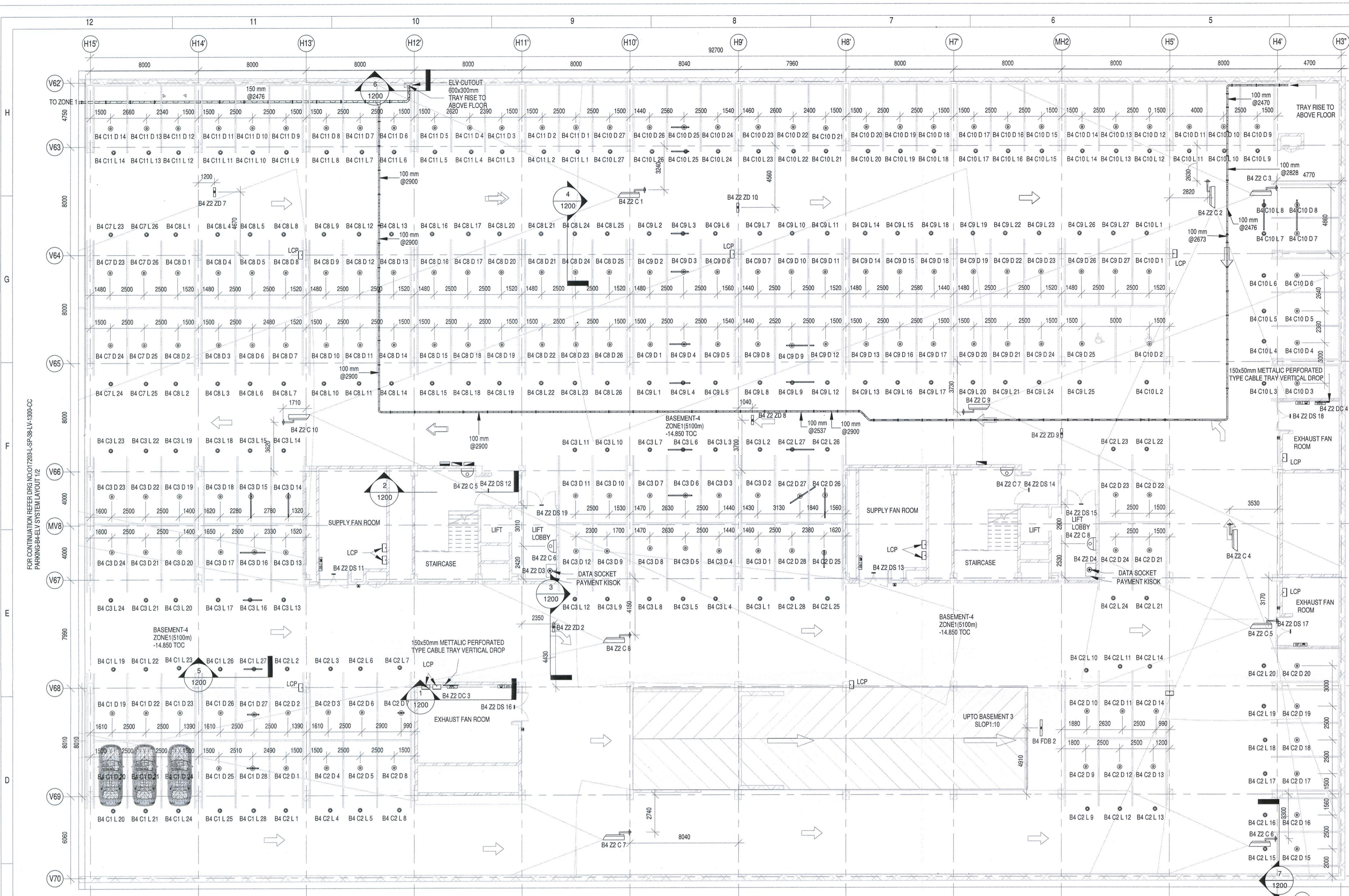
Drawing Status
GOOD FOR CONSTRUCTION (GFC)

Drawing No L 38 **Rev. No** R2

Title :
CC-PARKING - B1 ELV SYSTEM LAYOUT 1 / 2

EDRC DWG No : 017203 - L - SP - 38 - LV - 1111 **Scale** As indicated **Sheet Size** A1

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LEGENDS:

SL NO	SYMBOL	DESCRIPTION	FIXING LEVEL
1	DDC	DDC PANEL	1200mm ABOVE FFL
2	19U FT RACK	19U FT RACK	600mm ABOVE FFL
3	150x50mm METALLIC PERFORATED TYPE CABLE TRAY	150x50mm METALLIC PERFORATED TYPE CABLE TRAY	-
4	D	ULTRASONIC DETECTOR	SURFACE MOUNTED
5	LED	LED INDICATOR	SURFACE MOUNTED
6	IC	INDOOR FIXED DOME CAMERA	SURFACE MOUNTED
7	L	L-BULLET CAMERA	SURFACE MOUNTED
8	R	MULTI TECHNOLOGY CARD READER	1000mm ABOVE FFL
9	FDB	FLOOR DISPLAY BOARD	3100mm FROM BOTTOM OF FLOOR DISPLAY BOARD TO FFL
10	ZDB	ZONE DISPLAY BOARD	3100mm FROM BOTTOM OF FLOOR DISPLAY BOARD TO FFL
11	EB	EXIT PUSH BUTTON	1000mm ABOVE FFL
12	EDR	EMERGENCY DOOR RELEASE	1000mm ABOVE FFL
13	PS	DOOR POSITION SENSOR	ON DOOR
14	M	MOTION DETECTOR	SURFACE MOUNTED
15	W	WIFI-AP	SURFACE MOUNTED

NOTES:

GENERAL

- ALL CONDUITS SHALL BE CONCEALED IN WALL/CEILING IN NON-FALSE CEILING AREA.
- SUSPENDED CONDUITS ARE TO BE USED, IF MORE THAN 3 CONDUITS RUN IN PARALLEL.
- ALL CONDUITS SHOULD BE EQUIPPED WITH A PULL CORDS WITH SUITABLE TENSION POWER.
- PULL BOXES WITH SUITABLE SIZE SHOULD BE PROVIDED IN ALL PVC CONDUIT SECTIONS THAT ARE CONTAINING MORE THAN TWO 90 DEGREE BENDS.
- ALL DEVICES LOCATIONS AND ORIENTATION ARE INDICATIVE. EXACT LOCATION SHALL BE SHOWN IN THE OEM SHOP DRAWING.
- THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
- THE EXACT CONDUIT/TRAY ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH THE ENGINEER IN CHARGE TO SUIT LEVEL AND SITE CONDITION.
- CABLE TRAY SUPPORT MUST ALSO BE PLACED WITHIN 0.80 METERS ON EACH SIDE OF ANY CONNECTION TO A FITTING.
- A MINIMUM SEPARATION DISTANCE 300MM SHOULD BE KEPT PHYSICALLY BETWEEN LIGHT CURRENT CABLES AND MEDIUM VOLTAGE CABLES.
- 100x50mm METALLIC PERFORATED TYPE HOT DIP GALVANIZED CABLE TRAY FOR ICT, CCTV SYSTEM.
- FOR CCTV CAMERA, CAT6 CABLES SHALL BE USED. CABLES SHALL BE DRAWN THROUGH TRAY/20 MM MSP/PVC CONDUITS UP RESPECTIVE NEARBY STR ROOM.
- PGE EXTENDER IS USED FOR CAMERA LOCATION CROSSING 90m FROM RACKS IN STR ROOM.
- THE CCTV CAMERA VIEW ANGLE TO BE SET AS PER THE COVERAGE LOCATION EX. ENTRANCE DOOR/RECEPTION ETC.
- THE SHOWN CAMERA LOCATIONS ARE INDICATIVE. FIELD OF VIEW OF EACH CAMERA MUST BE GENERATED BY OEM/VENDOR FOR JUSTIFYING CHOSEN CAMERA TYPE, LENS TYPE ETC.
- ACCESS CONTROL SYSTEM SHALL BE CONNECTED TO SWITCH LOCATION AT NEAR BY STR ROOM, BY CAT 6A UTP CABLE.
- POWER POINT SOCKET FOR ALL THE ACCESS CONTROL, REFER ELECTRICAL POWER LAYOUT.
- DPS ARE CONNECTED TO RESPECTIVE ZONE INTRUSION ALARM CONTROLLER IN NEARBY STR ROOM BUS.

ACCESS CONTROL SYSTEM

- ALL CABLES FROM CARD READER/MAGNETIC LOCK/DOOR CONTACT/PUSHBUTTON SHALL BE TERMINATED AT ACCESS CONTROL PANEL LOCATED IN NEARBY STR ROOM.
- ACCESS CONTROL SYSTEM SHALL BE CONNECTED TO SWITCH LOCATION AT NEAR BY STR ROOM, BY CAT 6A UTP CABLE.
- POWER POINT SOCKET FOR ALL THE ACCESS CONTROL, REFER ELECTRICAL POWER LAYOUT.
- DPS ARE CONNECTED TO RESPECTIVE ZONE INTRUSION ALARM CONTROLLER IN NEARBY STR ROOM BUS.

DDC PANELS

- DDC PANELS ARE LOCATED AT 1500MM FROM FFL, CENTER OF PANEL.
- TENTATIVE DIMENSIONS OF THE DDC PANEL IS SHOWN DEPENDS ON OEM.
- 3DDC CONTROLLER AND IO MODULE CONFIGURATION AS PER OEM SYSTEM DESIGN.
- LOCATION FOR THE SENSORS ARE SHOWN IN THE LAYOUT IS INDICATIVE.
- TYPE OF CABLE TO BE CONNECTED AS PER BMS CABLE SCHEDULE.
- THE MAIN INTEGRATION PROTOCOL SHALL BAGNET OVER TOPIP & BAGNET OVER MSTP.
- CAR PARKING NOTES.

CABLES

- ALL CABLES FROM ZONAL CONTROLLER PANEL TO EACH ULTRASONIC DETECTOR SHALL BE LOOPED THROUGH 40x1.5sqmm TWISTED PAIR SHIELDED ARMORED CABLE AS PER TAGGING INDICATED IN THE DRAWING.
- ALL CABLES FROM ULTRASONIC DETECTOR TO LED INDICATOR SHALL BE CONNECTED THROUGH 40x1.5sqmm TWISTED PAIR SHIELDED ARMORED CABLE.
- THE DISPLAY AT ENTRY OF THE BASEMENT & ZONAL DISPLAY SHALL BE LOOPED & CONNECTED TO DISPLAY LOGIC CONTROLLER BY 40x1.5sqmm TWISTED PAIR SHIELDED ARMORED CABLE.
- ZONAL CONTROLLER SHALL BE CONNECTED TO NEAREST NETWORK SWITCH THROUGH CAT 6A CABLE.

DATA VOICE

- 4 PAIR 23 AWG CAT6A UTP CABLE TO BE USED TO CONNECT RJ 45 DATA VOICE SOCKETS TO JACK PANEL.
- WHEREVER POWER AND LV CABLES ARE RUNNING IN PARALLEL, THEY SHALL BE SEPARATED BY A DISTANCE OF MINIMUM 300MM.
- AREAS AND NEP ROOMS CABLES FOR DATA & VOICE SHALL BE TAKEN FROM CEILING CONDUIT.
- ALL WALL MOUNTED TELEPHONE / DATA SOCKETS COULD BE ALIGNED AT A HEIGHT OF 750MM FROM FFL UNLESS OTHERWISE SPECIFIED SOCKETS ABOVE COUNTER SLABS TO BE MOUNTED AT A HEIGHT OF 900MM FROM FFL SOCKETS IN PLANT ROOMS TO BE MOUNTED AT A HEIGHT OF 900MM FOR ALL OTHER TELEPHONE AND DATA SOCKETS. THE LEVEL SHALL BE MAINTAINED AS PER FURNITURE LAYOUT AND ARCHITECTURAL CONCURRENCE AS PER SITE CONDITION.
- THE STORE AND SERVICES AREA DATA VOICE POINT WILL BE PROVIDED BASED ON FURNITURE LAYOUT, DMS.

DAS SYSTEM

- THE DAS SYSTEM FOR MOBILE CARRIERS WILL BE DONE AFTER SITE SURVEY BY SPECIALIST ONCE STRUCTURE IS READY AND EPCFC WILL ENSURE THE DAS COVERAGE.

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Department of Industrial Policy and Promotion, Ministry of Commerce & Industry, Government of India

Knowledge Partner

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 Room No. 341 B, 3rd Floor Hotel Ashok, Diplomatic Enclave, 53B Chanakyaput, New Delhi - 110021

Employer's Representative

Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

idom CPKUREJA ARCHITECT

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 Engineering Design and Research Center (EDRC)
 L&T Construction - Buildings & Factories

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MFP Proof Consultant

egis Egis India Consulting Engineers Pvt. Ltd.
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ICT Proof Consultant

CKR CKR Consulting Engineers Pvt. Ltd.
 #47/1, 3rd Floor, Narayana Arcade, Subramaniam Road, Nellore, Andhra Pradesh, Rayavoniguda, Bengaluru - 560004

Certification

EPC Contractor: L&T Construction
 Design Consultant: R. Subramanian
 Architectural Consultant: L&T Construction

Professional Engineer's Stamp

Structural: MFP
 PEAC: [Stamp]

ISSUED BY: Employer / Employer's Engineer

REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APFD
R1	ISSUED AS GOOD FOR CONSTRUCTION	13/03/19	SP	BAS	MSK	GNR

Revisions

ARCHITECTURE	STRUCTURAL	ELECTRICAL	ELV SYSTEM	HVAC	CHECKED BY	DATE
FFS	PIPING	PHE	CSB	GEOTECH		

EPC Contractor

L&T Construction Buildings & Factories

JOB No : O17203

Project Name
 DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTION & EXPO CENTRE

SECTOR 25, DWARKA, NEW DELHI, INDIA

Drawing Status
 GOOD FOR CONSTRUCTION (GFC)

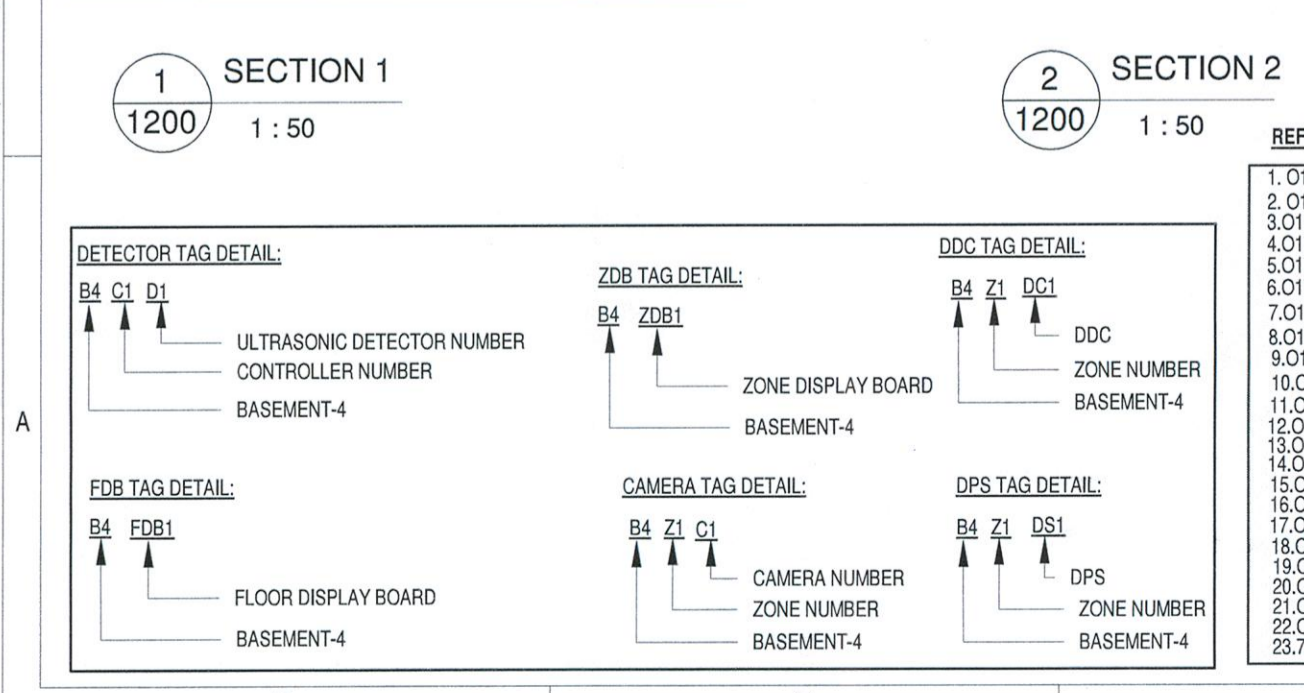
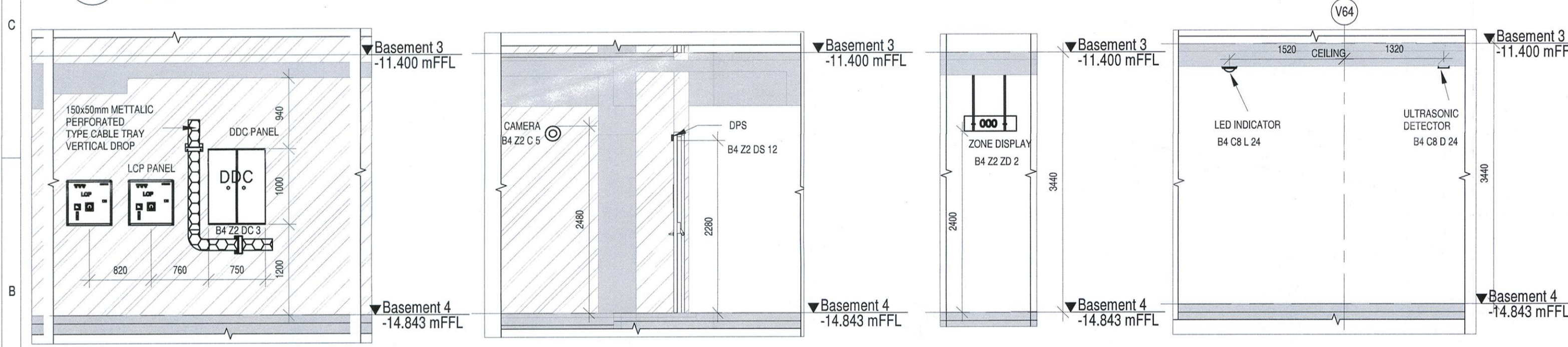
Drawing No: L 38 1200 R1

Title:
 CC-Parking-B4 ELV System Layout 2 of 2

EDRC DWG No : O17203-L-SP-38-LV-1200

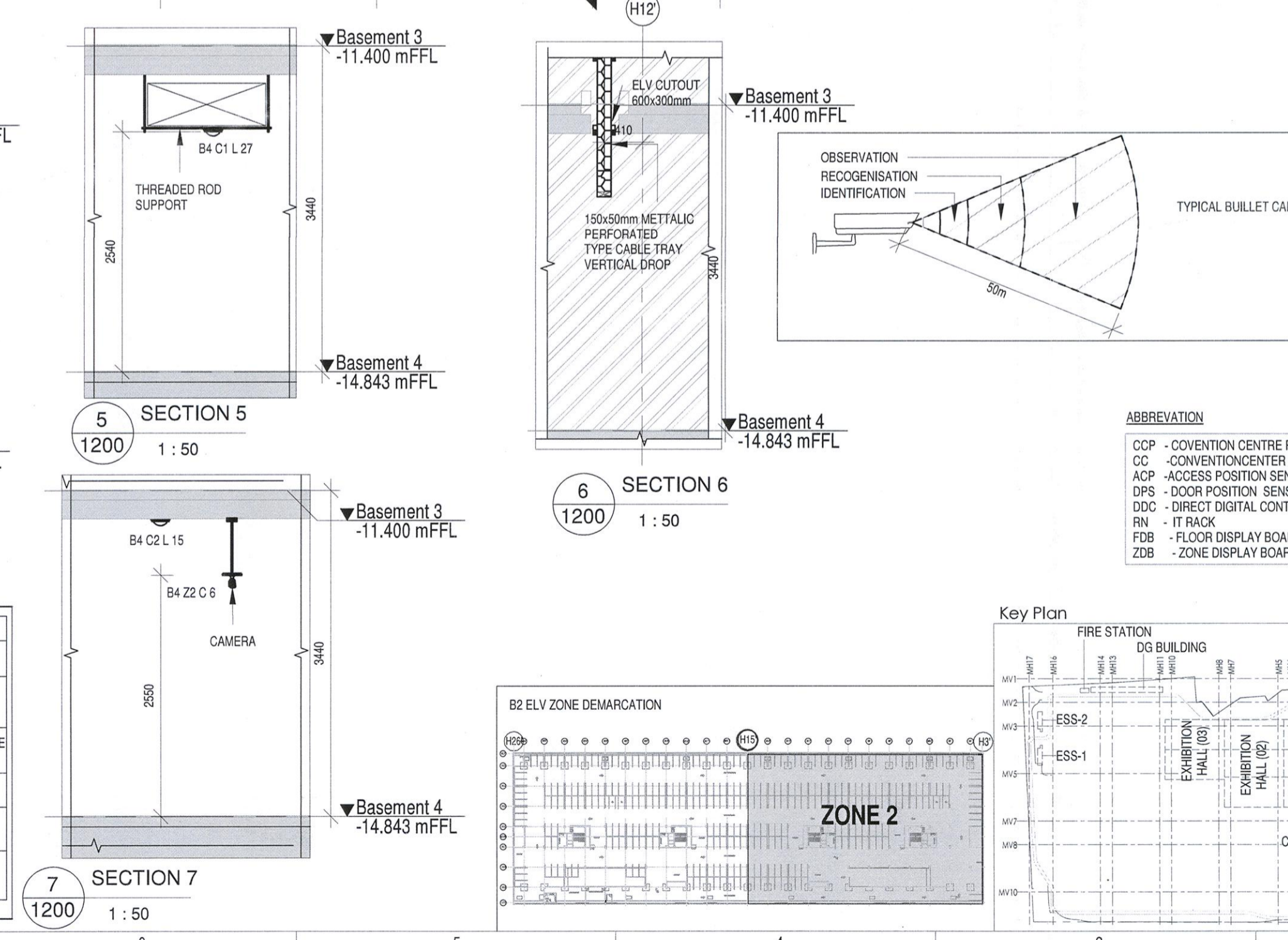
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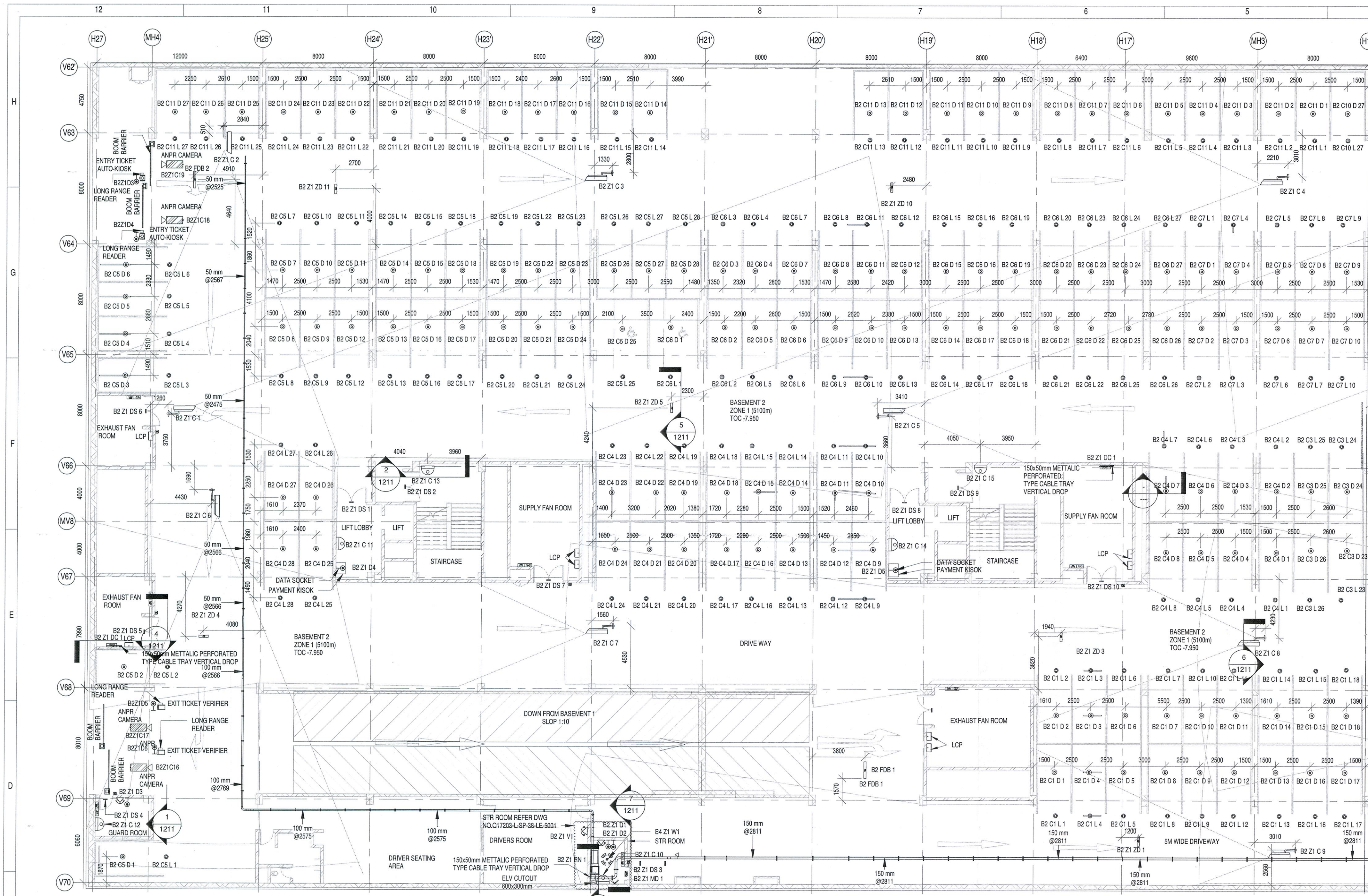
A BASEMENT LEVEL-4 ELV SYSTEM LAYOUT ZONE 2 (SHEET 2 OF 2)
 1 : 175



REFERENCE DRAWINGS:

- O17203-E-SP-38-LV-0001 - CC-PARKING-B4 LIGHTING & POWER LAYOUT 1/2
- O17203-E-SP-38-LV-0002 - CC-PARKING-B4 LIGHTING & POWER LAYOUT 2/2
- O17203-L-SP-38-LV-1111-CC-B-1 ELV SYSTEM LAYOUT 1/2
- O17203-L-SP-38-LV-1122-CC-B-2 ELV SYSTEM LAYOUT 1/2
- O17203-L-SP-38-LV-1211-CC-B-2 ELV SYSTEM LAYOUT 1/2
- O17203-L-SP-38-LV-1222-CC-B-2 ELV SYSTEM LAYOUT 2/2
- O17203-L-SP-38-LV-1311-CC-B-3 ELV SYSTEM LAYOUT 1/2
- O17203-L-SP-38-LV-1322-CC-B-3 ELV SYSTEM LAYOUT 1/2
- O17203-L-SP-38-LV-1333-CC-B-3 ELV SYSTEM LAYOUT 2/2
- O17203-L-SP-38-LV-1200-CC-B-4 ELV SYSTEM LAYOUT 1/2
- O17203-L-SP-38-LV-1200-CC-B-4 ELV SYSTEM LAYOUT 2/2
- O17203-L-SP-38-LV-1100-CC-B-4 ELV SYSTEM LAYOUT 1/2
- O17203-L-SP-38-LV-1100-CC-B-4 ELV SYSTEM LAYOUT 2/2
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- O17203-L-SP-38-LV-1100-CC-B-4 ELV SYSTEM LAYOUT 99/2
- O17203-L-SP-38-LV-1100-CC-B-4 ELV SYSTEM LAYOUT 100/2





SL NO	SYMBOL	DESCRIPTION	FIXING LEVEL
1	DDC	DDC PANEL	1200mm ABOVE FFL
2	IRU	IRU IT RACK	1200mm ABOVE FFL
3		150mm(Wx50mm)H METALLIC PERFORATED TYPE CABLE TRAY	-
4	D	ULTRASONIC DETECTOR	SURFACE MOUNTED
5	LED	LED INDICATOR	SURFACE MOUNTED
6	ICD	INDOOR FIXED DOME CAMERA	SURFACE MOUNTED
7	L	L-BULLET CAMERA	SURFACE MOUNTED
8	RT	MULTI TECHNOLOGY CARD READER	1000mm ABOVE FFL
9	FDB	FLOOR DISPLAY BOARD	3100mm FROM BOTTOM OF FLOOR DISPLAY BOARD TO FFL
10	ZDB	ZONE DISPLAY BOARD	3100mm FROM BOTTOM OF FLOOR DISPLAY BOARD TO FFL
11	EPB	EXIT PUSH BUTTON	1000mm ABOVE FFL
12	EDR	EMERGENCY DOOR RELEASE	1000mm ABOVE FFL
13	DPS	DOOR POSITION SENSOR	ON DOOR
14	PK	PAYMENT KIOSK	FLOOR WALL MOUNTED
15	MD	MOTION DETECTOR	SURFACE MOUNTED
16	ANPR	ANPR CAMERA	-
17	DS	DATA VOICE SOCKET	750mm ABOVE FFL

NOTES:

GENERAL

- ALL CONDUITS SHALL BE CONCEALED IN WALL/CEILING IN NON-FALSE CEILING AREA.
- SUSPENDED CONDUITS ARE TO BE USED, IF MORE THAN 3 CONDUITS RUN IN PARALLEL.
- ALL CONDUITS SHOULD BE EQUIPPED WITH A PULL CORDS WITH SUFFICIENT TENSION POWER.
- PULL BOXES WITH SUITABLE SIZE SHOULD BE PROVIDED IN ALL PVC CONDUIT SECTIONS THAT ARE CONTAINING MORE THAN TWO 90 DEGREE BENDS.
- ALL DEVICES LOCATIONS AND ORIENTATION ARE INDICATIVE. EXACT LOCATION SHALL BE SHOWN IN THE O&M SHOP DRAWING.
- THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
- THE EXACT CONDUIT/TRAY ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH THE ENGINEER IN CHARGE TO SUIT LEVEL AND SITE CONDITION.
- CABLE TRAY SUPPORT MUST ALSO BE PLACED WITHIN 0.60 METERS ON EACH SIDE OF ANY CONNECTION TO A FITTING.
- A MINIMUM SEPARATION DISTANCE 300MM AND SHOULD BE KEPT PHYSICALLY BETWEEN LIGHT CURRENT CABLES AND MEDIUM VOLTAGE CABLES.
- METALLIC PERFORATED TYPE HOT DIP GALVANIZED CABLE TRAY FOR ICT.

ACCESS CONTROL SYSTEM

- FOR CCTV CAMERA, CAT6 CABLES SHALL BE USED. CABLES SHALL BE DRAWN THROUGH TRAY/20 MM MSPVC CONDUITS UP RESPECTIVE NEARBY STR ROOM.
- POE EXTENDER IS USED FOR CAMERA LOCATION CROSSING 90m FROM RACKS IN STR ROOM
- THE CCTV CAMERA VIEW ANGLE TO BE SET AS PER THE COVERAGE LOCATION EX. ENTRANCE DOOR/RECEPTION ETC.
- THE SHOWN CAMERA LOCATIONS ARE INDICATIVE. FIELD OF VIEW OF EACH CAMERA MUST BE GENERATED BY OEM/VENDOR FOR JUSTIFYING CHOSEN CAMERA TYPE. LENS TYPE ETC.

ACCESS CONTROL SYSTEM

- ALL CABLES FROM CARD READER/MAGNETIC LOCK/DOOR CONTACT/PUSHBUTTON SHALL BE TERMINATED AT ACCESS CONTROL PANEL LOCATED IN NEARBY STR ROOM.
- ACCESS CONTROL PANELS SHALL BE CONNECTED TO SWITCH LOCATED AT NEAR BY STR ROOM. BY CAT 6A 1. POWER POINT/POE FOR ALL THE ACCESS CONTROL PANELS. REFER ELECTRICAL POWER LAYOUT.
- DPS ARE CONNECTED TO RESPECTIVE ZONE INTRUSION ALARM CONTROLLER IN NEARBY STR ROOM.

PARKING NOTES:

- ALL CABLES FROM ZONAL CONTROLLER PANEL TO EACH ULTRASONIC DETECTOR SHALL BE LOOPED THROUGH 40x150mm TWISTED PAIR SHIELDED ARMOURD CABLE AS PER TAGGING INDICATED IN THE DRAWING.
- ALL CABLES FROM ULTRASONIC DETECTOR TO LED INDICATOR SHALL BE CONNECTED THROUGH 40x150mm TWISTED PAIR SHIELDED ARMOURD CABLE.
- THE DISPLAY AT ENTRY OF THE BASEMENT & ZONAL DISPLAY SHALL BE LOOPED & CONNECTED TO DISPLAY LOOP CONTROLLER BY 40x150mm TWISTED PAIR SHIELDED ARMOURD CABLE.
- ZONAL CONTROLLER SHALL BE CONNECTED TO NEAREST NETWORK SWITCH THROUGH CAT 6A CABLE.

DATA VOICE

- 4 PAIR 23 AWG CAT6A UTP CABLE TO BE USED TO CONNECT RJ 45 DATA VOICE SOCKETS TO JACK PANEL
- WHEREVER POWER AND LV CABLES ARE RUNNING IN PARALLEL, THEY SHALL BE SEPARATED BY A DISTANCE OF MINIMUM 300MM.
- AREAS AND MEP ROOMS CABLES FOR DATA & VOICE SHALL BE TAKEN FROM CEILING CONDUIT
- ALL WALL MOUNTED TELEPHONE / DATA SOCKETS COULD BE ALIGNED AT A HEIGHT OF 750MM FROM FFL UNLESS AND OTHERWISE SPECIFIED SOCKETS ABOVE COUNTER SLABS TO BE MOUNTED AT A HEIGHT OF 900MM FROM FFL SOCKETS IN PLANT ROOMS TO BE MOUNTED AT A HEIGHT OF 900MM FOR ALL OTHER TELEPHONE AND DATA SOCKETS. THE LEVEL SHALL BE MAINTAINED AS PER FURNITURE LAYOUT AND ARCHITECTURAL CONCURRENCE AS PER SITE CONDITION.
- THE STORE AND SERVICES AREA DATA VOICE POINT WILL BE PROVIDED BASED ON FURNITURE LAYOUT.

DAS

- THE DAS SYSTEM FOR MOBILE CARRIERS WILL BE DONE AFTER SITE SURVEY BY SPECIALIST ONCE STRUCTURE IS READY AND EPC WILL ENSURE THE DAS COVERAGE.

Owner / Employer

India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry, DIPP, Udyog Bhawan, New Delhi - 110011, India

Department of Industrial Policy and Promotion
Ministry of Commerce & Industry Government of India

Knowledge Partner

Delhi Mumbai Industrial Corridor Development Corporation
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Employer's Representative
Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

idom **CPKUREJA**
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EPC Contractor

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L&T Construction - Buildings & Factories

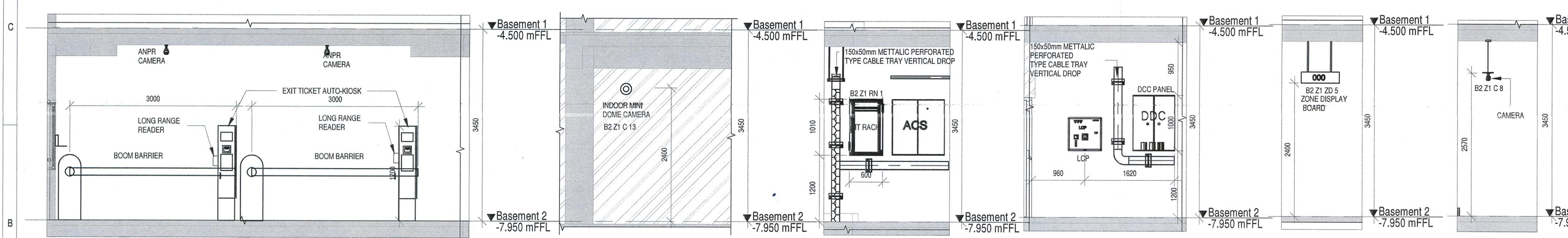
Architectural Consultant
ARCOP Arcop Associates Pvt. Ltd.
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Structural Proof Consultant
Indian Institute of Technology (IIT) Madras
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MEP Proof Consultant
Egis India Consulting Engineers Pvt. Ltd.
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ICT Proof Consultant
CRK CRK Consulting Engineers Pvt. Ltd.
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BASEMENT LEVEL-2ELV SYSTEM LAYOUT ZONE 1(SHEET 1 OF 2)
1:175



SECTION 1 1:150
SECTION 2 1:150
SECTION 3 1:150
SECTION 4 1:150
SECTION 5 1:150
SECTION 6 1:150
SECTION 7 1:150

DISCIPLINE	DRAWING NO	TITLE
ARCHITECTURAL	017203-A-SP-38-WD-004	CONVENTION CENTRE PARKING BASEMENT-2 AT-202.50 LVL
STRUCTURAL	017203-C-SP-38-NU-003	CONVENTION CENTRE CAR PARKING-LAYOUT, NUMERATION & SETTING OUT DETAIL OF FOUNDATION & SLAB AT B2 LEVEL
ELECTRICAL EQUIPMENT & CABLE TRAY LAYOUT	017203-E-SP-38-EE-0015	CC-PARKING-B-2 ELECTRICAL EQUIPMENT, CABLE TRAY & EARTHING LAYOUT-OVERALL PLAN
FAS	017203-F-SP-38-FA-0007	CC-B-2-FAS LAYOUT
HVAC	017203-V-SP-38-VS-0003	CC-B-2-HVAC EQUIPMENT DUCTING AND PIPING LAYOUT ALL ZONES
PHE	017203-U-SP-38-UP-0002	CC-B-2 DRAINAGE LAYOUT

REFERENCE DRAWINGS:

- 017203-L-SP-38-LV-1111-CC-B-1-ELV SYSTEM LAYOUT 1/2
- 017203-L-SP-38-LV-1122-CC-B-1-ELV SYSTEM LAYOUT 2/2
- 017203-L-SP-38-LV-1211-CC-B-2-ELV SYSTEM LAYOUT 1/2
- 017203-L-SP-38-LV-1222-CC-B-2-ELV SYSTEM LAYOUT 2/2
- 017203-L-SP-38-LV-1311-CC-B-3-ELV SYSTEM LAYOUT 1/2
- 017203-L-SP-38-LV-1322-CC-B-3-ELV SYSTEM LAYOUT 2/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 1/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 2/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 3/2
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- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 24/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 25/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 26/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 27/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 28/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 29/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 30/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 31/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 32/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 33/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 34/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 35/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 36/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 37/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 38/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 39/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 40/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 41/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 42/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 43/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 44/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 45/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 46/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 47/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 48/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 49/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 50/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 51/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 52/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 53/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 54/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 55/2
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- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 57/2
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- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 59/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 60/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 61/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 62/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 63/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 64/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 65/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 66/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 67/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 68/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 69/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 70/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 71/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 72/2
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- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 74/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 75/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 76/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 77/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 78/2
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- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 80/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 81/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 82/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 83/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 84/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 85/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 86/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 87/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 88/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 89/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 90/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 91/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 92/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 93/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 94/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 95/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 96/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 97/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 98/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 99/2
- 017203-L-SP-38-LV-1333-CC-B-4-ELV SYSTEM LAYOUT 100/2

ABBREVIATION

CCP - CONVENTION CENTER PARKING
ACP - ACCESS CONTROL PANEL
DPS - DOOR POSITION SENSOR
DDC - DIRECT DIGITAL CONTROLLER
RN - IT RACK
FDB - FLOOR DISPLAY BOARD
ZDB - ZONE DISPLAY BOARD

Key Plan

CONVENTION CENTRE (07)

ESS-2
ESS-1

EXHIBITION HALL (01)
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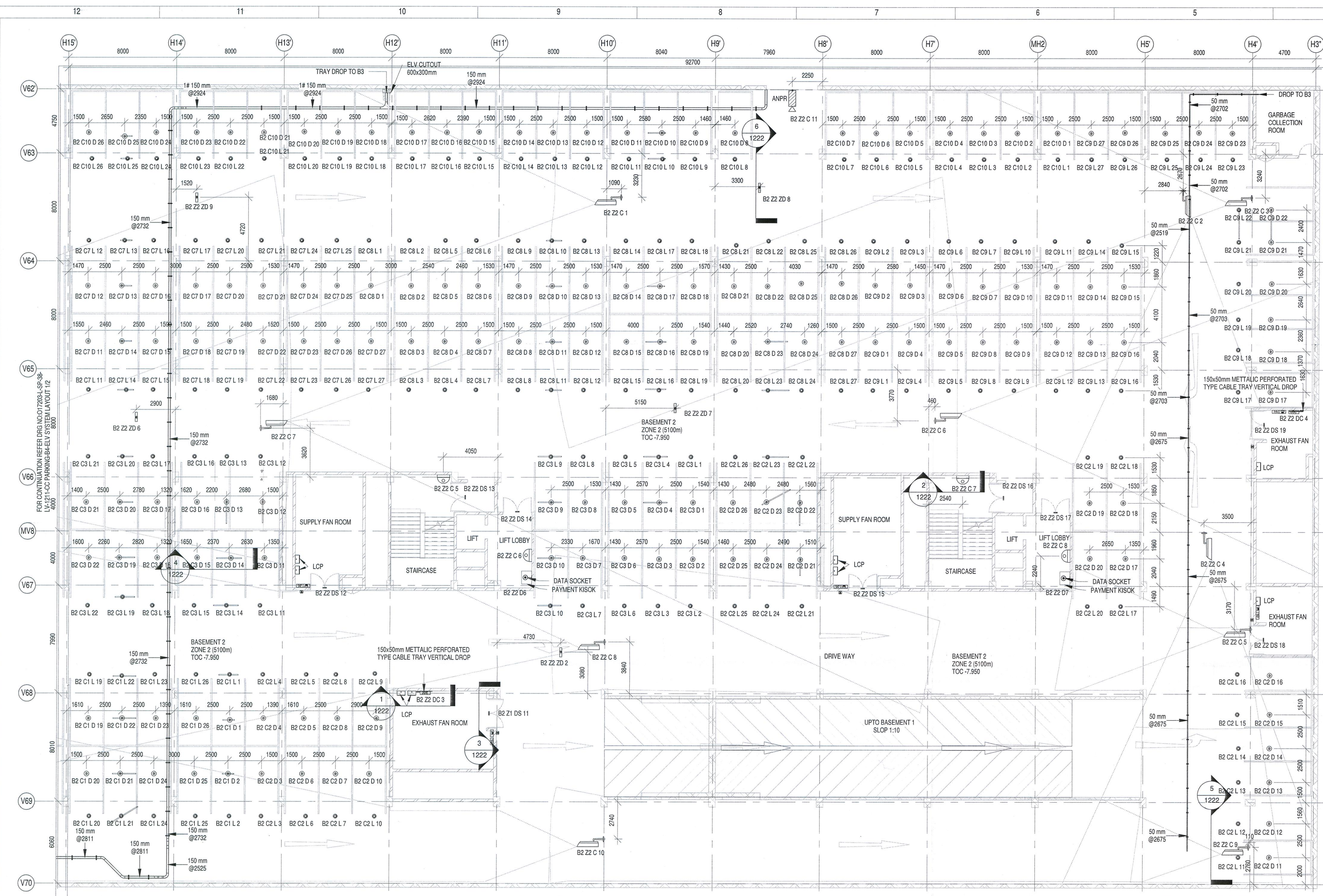
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Drawing No: L 38 1211 R1
Rev. No: R1

EDRC DWG No: 017203-L-SP-38-LV-1211
Scale: As indicated
Sheet Size: A1

017203-L-SP-38-LV-1211-CC-Parking-B2-ELV System Layout (1/2)

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LEGENDS:

SL. NO.	SYMBOL	DESCRIPTION	FIXING LEVEL
1	DDC	DDC PANEL	1200mm ABOVE FFL
2	KOSH	PAYMENT KIOSH	FLOOR MOUNTED
3	TRAY	150mm(Wx50mm(H)) METALLIC PERFORATED TYPE CABLE TRAY	-
4	D	ULTRASONIC DETECTOR	SURFACE MOUNTED
5	LED	LED INDICATOR	SURFACE MOUNTED
6	ICD	INDOOR FIXED DOME CAMERA	SURFACE MOUNTED
7	LC	L-BULLET CAMERA	SURFACE MOUNTED
8	ANPR	ANPR CAMERA	SURFACE MOUNTED
9	TR	MULTI TECHNOLOGY CARD READER	1000mm ABOVE FFL
10	FB	FLOOR DISPLAY BOARD	3100mm FROM BOTTOM OF FLOOR DISPLAY BOARD TO FFL
11	ZD	ZONE DISPLAY BOARD	3100mm FROM BOTTOM OF FLOOR DISPLAY BOARD TO FFL
12	EP	EXIT PUSH BUTTON	1000mm ABOVE FFL
13	EDR	EMERGENCY DOOR RELEASE	1000mm ABOVE FFL
14	PS	DOOR POSITION SENSOR	ON DOOR
15	DS	DUCT SUPPORT	-

- NOTES:**
- GENERAL**
- ALL CONDUITS SHALL BE CONCEALED IN WALL/CEILING IN NON-FALSE CEILING AREA.
 - SUSPENDED CONDUITS ARE TO BE USED, IF MORE THAN 3 CONDUITS RUN IN PARALLEL.
 - ALL CONDUITS SHOULD BE EQUIPPED WITH A PULL CORDS WITH SUITABLE TENSION POWER.
 - PULL BOXES WITH SUITABLE SIZE SHOULD BE PROVIDED IN ALL PVC CONDUIT SECTIONS THAT ARE CONTAINING MORE THAN TWO 90 DEGREE BENDS.
 - ALL DEVICES LOCATIONS AND ORIENTATION ARE INDICATIVE. EXACT LOCATION SHALL BE SHOWN IN THE O&M SHOP DRAWING.
 - THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
 - THE EXACT CONDUIT/RAY ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH THE ENGINEER INCHARGE TO SUIT LEVEL AND SITE CONDITION.
 - A CABLE TRAY SUPPORT MUST ALSO BE PLACED WITHIN 0.60 METERS ON EACH SIDE OF ANY CONNECTION TO A FITTING.
 - A MINIMUM SEPARATION DISTANCE 300MM AND SHOULD BE KEPT PHYSICALLY BETWEEN LIGHT CURRENT CABLES AND MEDIUM VOLTAGE CABLES.
 - METALLIC PERFORATED TYPE HOT DIP GALVANIZED CABLE TRAY FOR ICT.
- ACCESS CONTROL SYSTEM**
- ALL CABLES FROM CARD READER/MAGNETIC LOCK/DOOR CONTACT/PUSHBUTTON SHALL BE TERMINATED AT ACCESS CONTROL PANEL LOCATED IN NEARBY STR ROOM.
 - ACCESS CONTROL PANELS SHALL BE CONNECTED TO SWITCH LOCATED AT NEAR BY STR ROOM, BY CAT 6A UTP CABLE.
 - POWER POINT/SOCKET FOR ALL THE ACCESS CONTROL PANELS, REFER ELECTRICAL POWER LAYOUT.
 - DPS ARE CONNECTED TO RESPECTIVE ZONE INTRUSION ALARM CONTROLLER IN NEARBY STR ROOM.
- DOOR SYSTEM**
- FOR CCTV CAMERA, CAT6A CABLE SHALL BE USED. CABLES SHALL BE DRAWN THROUGH TRAY/20 MM MSPVC CONDUITS UP RESPECTIVE NEARBY STR ROOM.
 - POE EXTENDER IS USED FOR CAMERA LOCATION CROSSING 90m FROM RACKS IN STR ROOM.
 - THE CCTV CAMERA VIEW ANGLE TO BE SET AS PER THE COVERAGE LOCATION EX. ENTRANCE DOOR/RECEPTION ETC.
 - THE SHOWN CAMERA LOCATIONS ARE INDICATIVE. FIELD OF VIEW OF EACH CAMERA MUST BE GENERATED BY OEM/VENDOR FOR JUSTIFYING CHOSEN CAMERA TYPE, LENS TYPE ETC.
- DATA VOICE**
- A PAIR 28 AWG CAT6A UTP CABLE TO BE USED TO CONNECT RJ 45 DATA VOICE SOCKETS TO JACK PANEL.
 - WHEREVER POWER AND LV CABLES ARE RUNNING IN PARALLEL, THEY SHALL BE SEPARATED BY A DISTANCE OF MINIMUM 300MM.
 - AREAS AND MEP ROOMS CABLES FOR DATA & VOICE SHALL BE TAKEN FROM CEILING CONDUIT.
 - ALL WALL MOUNTED TELEPHONE, DATA SOCKETS SHOULD BE ALIGNED AT A HEIGHT OF 750MM FROM FFL UNLESS OTHERWISE SPECIFIED. SOCKETS ABOVE COUNTER SLABS TO BE MOUNTED AT A HEIGHT OF 900MM FROM FFL. SOCKETS IN PLANT ROOMS TO BE MOUNTED AT A HEIGHT OF 900MM FOR ALL OTHER TELEPHONE AND DATA SOCKETS. THE LEVEL SHALL BE HANDED AS PER FURNITURE LAYOUT AND ARCHITECTURAL CONFORMANCE AS PER SITE CONDITION.
 - THE STORE AND SERVICES AREA DATA VOICE POINT WILL BE PROVIDED BASED ON FURNITURE LAYOUT.
- DATA VOICE**
- THE DAS SYSTEM FOR MOBILE CARRIERS WILL BE DONE AFTER SITE SURVEY BY SPECIALIST ONCE STRUCTURE IS READY AND EPC WILL ENSURE THE DAS COVERAGE.

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R1	ISSUED AS GOOD FOR CONSTRUCTION	DATE	26/03/19	SP	BAS	MSK	GNR
REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD	

Revisions

NO.	DESCRIPTION	DATE	CHKD	APPD
1	ISSUED AS GOOD FOR CONSTRUCTION	26/03/19	MSK	GNR

EPC Contractor
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 Buildings & Factories

JOB No : 017203

Project Name
 DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTION & EXPO CENTRE

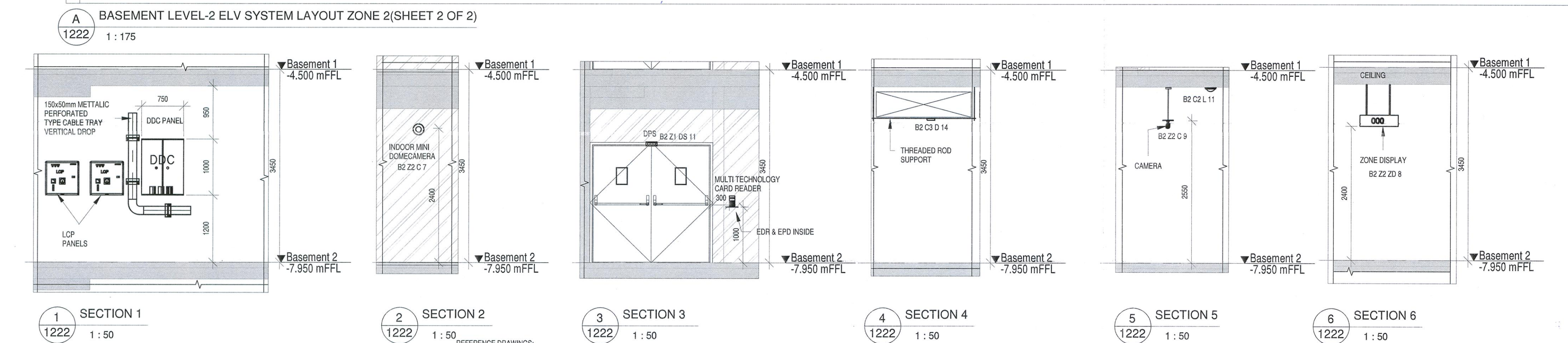
SECTOR 25, DWARKA, NEW DELHI, INDIA

Drawing Status
 GOOD FOR CONSTRUCTION (GFC)

Drawing No L 38 **1222** **Rev. No** R1

Title :
 CC-Parking-B2 ELV System Layout 2/2

EDRC DWG No : 017203-L-SP-38-LV-1222 **Scale** As indicated **Sheet Size** A1



REFERENCE DRAWINGS:

DISCIPLINE	DRAWING NO	TITLE
ARCHITECTURAL	017203-A-SP-38-WD-0004	CONVENTION CENTRE PARKING BASEMENT-2 AT-202.50 LVL
STRUCTURAL	017203-C-SP-38-NU-0003	CONVENTION CENTRE CAR PARKING- LAYOUT NUMERATION & SETTING OUT DETAIL OF FOUNDATION & SLAB AT B2 LEVEL
ELECTRICAL EQUIPMENT & CABLE TRAY LAYOUT	017203-E-SP-38-EE-0015	CC-PARKING-B2 ELECTRICAL EQUIPMENT, CABLE TRAY & EARTHING LAYOUT-OVERALL PLAN
FAS	017203-F-SP-38-FA-0007	CC-B2 FAS LAYOUT
HVAC	017203-V-SP-38-VS-0003	CC-B2-HVAC EQUIPMENT DUCTING AND PIPING LAYOUT ALL ZONES
PHE	017203-U-SP-38-UP-0002	CC-B2 DRAINAGE LAYOUT

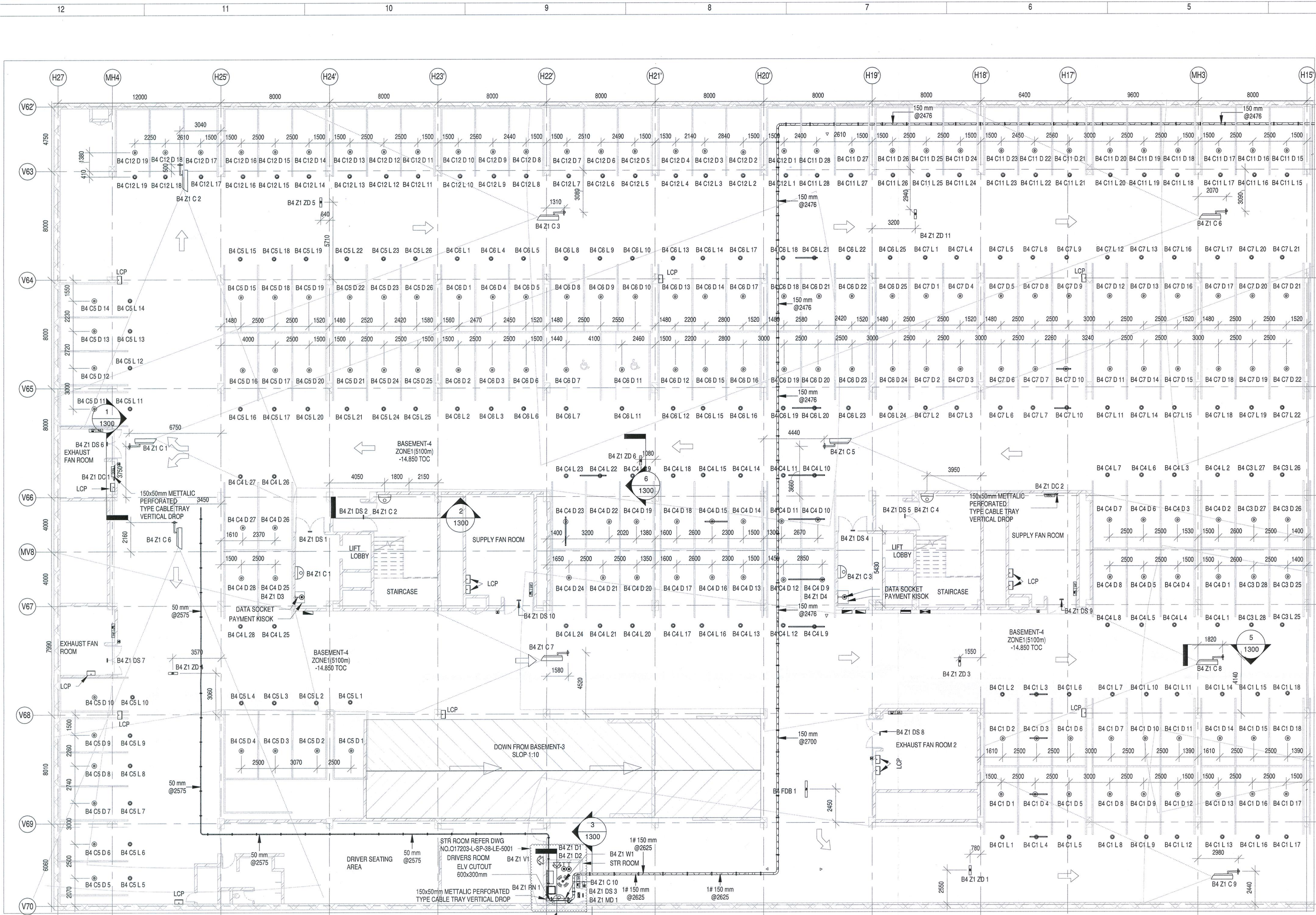
ABBREVIATION

- CCP - CONVENTION CENTER PARKING
- ACP - ACCESS CONTROL PANEL
- DPS - DOOR POSITION SENSOR
- DDC - DIRECT DIGITAL CONTROLLER
- RN - IT RACK
- FDB - FLOOR DISPLAY BOARD
- ZDB - ZONE DISPLAY BOARD

Key Plan

017203-L-SP-38-LV-1222-CC-Parking-B2 ELV System Layout 2/2

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LEGENDS:

SL. NO	SYMBOL	DESCRIPTION	FIXING LEVEL
1	DDC	DDC PANEL	1200mm ABOVE FFL
2	19U IT RACK	19U IT RACK	800mm ABOVE FFL
3	150mm(Wx50mm(H)) METALLIC PERFORATED TYPE CABLE TRAY	150mm METALLIC PERFORATED TYPE CABLE TRAY	150mm @2476
4	D	ULTRASONIC DETECTOR	SURFACE MOUNTED
5	LED INDICATOR	LED INDICATOR	SURFACE MOUNTED
6	INDOOR FIXED DOME CAMERA	INDOOR FIXED DOME CAMERA	SURFACE MOUNTED
7	L-BULLET CAMERA	L-BULLET CAMERA	SURFACE MOUNTED
8	MULTI TECHNOLOGY CARD READER	MULTI TECHNOLOGY CARD READER	1000mm ABOVE FFL
9	FLOOR DISPLAY BOARD	FLOOR DISPLAY BOARD	3100mm FROM BOTTOM OF FLOOR DISPLAY BOARD TO FFL
10	ZDB	ZONE DISPLAY BOARD	3100mm FROM BOTTOM OF FLOOR DISPLAY BOARD TO FFL
11	EXIT PUSH BUTTON	EXIT PUSH BUTTON	1000mm ABOVE FFL
12	EMERGENCY DOOR RELEASE	EMERGENCY DOOR RELEASE	1000mm ABOVE FFL
13	DOOR POSITION SENSOR	DOOR POSITION SENSOR	ON DOOR
14	MOTION DETECTOR	MOTION DETECTOR	SURFACE MOUNTED
15	WIFI-AP	WIFI-AP	SURFACE MOUNTED

NOTES:

GENERAL

- ALL CONDUITS SHALL BE CONCEALED IN WALL/CEILING IN NON-FALSE CEILING AREA.
- SUSPENDED CONDUITS ARE TO BE USED, IF MORE THAN 3 CONDUITS RUN IN PARALLEL.
- ALL CONDUITS SHOULD BE EQUIPPED WITH A PULL CORDS WITH SUITABLE TENSION POWER.
- PULL BOXES WITH SUITABLE SIZE SHOULD BE PROVIDED IN ALL PVC CONDUIT SECTIONS THAT ARE CONTAINING MORE THAN TWO 90 DEGREE BENDS.
- ALL DEVICES LOCATIONS AND ORIENTATION ARE INDICATIVE. EXACT LOCATION SHALL BE SHOWN IN THE OEM SHOP DRAWING.
- THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
- THE EXACT CONDUIT ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH THE ENGINEER IN CHARGE TO SUIT LEVEL AND SITE CONDITION.
- CABLE TRAY SUPPORT MUST ALSO BE PLACED WITHIN 600 METERS ON EACH SIDE OF ANY CONNECTION TO A FITTING.
9. A MINIMUM SEPARATION DISTANCE 300MM AND SHOULD BE KEPT PHYSICALLY BETWEEN LIGHT CURRENT CABLES AND MEDIUM VOLTAGE CABLES.
10. METALLIC PERFORATED TYPE HOT DIP GALVANIZED CABLE TRAY FOR ICT. CCTV SYSTEM.

FOR CCTV CAMERA, CAT6A CABLE SHALL BE USED. CABLES SHALL BE DRAWN THROUGH TRAY20 MM MSPVC CONDUITS UP RESPECTIVE NEARBY STR ROOM.

- POE EXTENDER IS USED FOR CAMERA LOCATION CROSSING 90m FROM RACKS IN STR ROOM
- THE CCTV CAMERA VIEW ANGLE TO BE SET AS PER THE COVERAGE LOCATION EX. ENTRANCE DOOR/RECEPTION ETC.
- THE SHOWN CAMERA LOCATIONS ARE INDICATIVE. FIELD OF VIEW OF EACH CAMERA MUST BE GENERATED BY OEM/VENDOR FOR JUSTIFYING CHOSEN CAMERA TYPE, LENS TYPE ETC

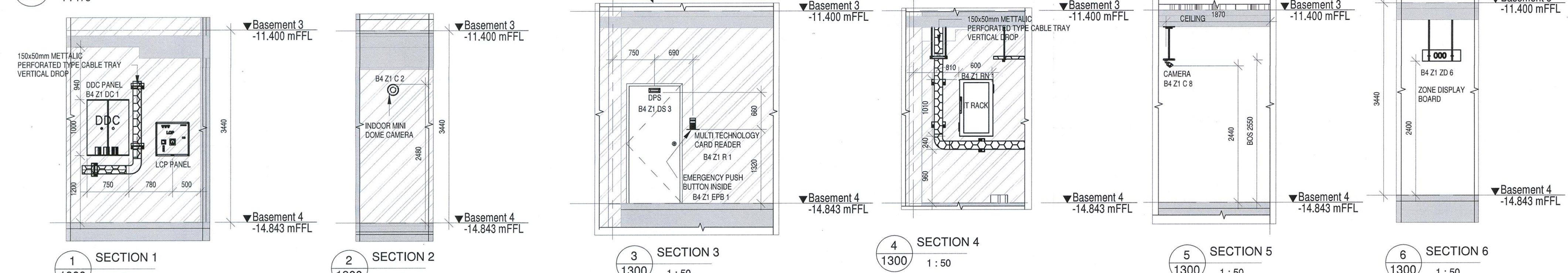
ACCESS CONTROL SYSTEM

- ALL CABLES FROM CARD READER/MAGNETIC LOCK/DOOR CONTACT/PUSHBUTTON SHALL BE TERMINATED AT ACCESS CONTROL PANEL LOCATED IN NEARBY STR ROOM.
- ACCESS CONTROL PANELS SHALL BE CONNECTED TO SWITCH LOCATED AT NEAR BY STR ROOM, BY CAT 6A UTP CABLE.
- POWER POINT/SOCKET FOR ALL THE ACCESS CONTROL PANELS, REFER ELECTRICAL POWER LAYOUT.
- DPS ARE CONNECTED TO RESPECTIVE ZONE INTRUSION ALARM CONTROLLER IN NEARBY STR ROOM.

DATA VOICE

- 4 PAIR 23 AWG CAT6A UTP CABLE TO BE USED TO CONNECT RJ 45 DATA/VOICE SOCKETS TO JACK PANEL
- WHEREVER POWER AND LV CABLES ARE RUNNING IN PARALLEL, THEY SHALL BE SEPARATED BY A DISTANCE OF MINIMUM 300MM.
- AREAS AND MEP ROOMS CABLES FOR DATA & VOICE SHALL BE TAKEN FROM CEILING CONDUIT
- ALL WALL MOUNTED TELEPHONE / DATA SOCKETS SHOULD BE ALIGNED AT A HEIGHT OF 750MM FROM FFL UNLESS OTHERWISE SPECIFIED. SOCKETS ABOVE COUNTER SUBS TO BE MOUNTED AT A HEIGHT OF 900MM FROM FFL. SOCKETS IN PLANT ROOMS TO BE MOUNTED AT A HEIGHT OF 900MM FOR ALL OTHER TELEPHONE AND DATA SOCKETS. THE LEVEL SHALL BE MAINTAINED AS PER FURNITURE LAYOUT AND ARCHITECTURAL CONCURRENCE AS PER SITE CONDITION.
- THE STORE AND SERVICES AREA DATA VOICE POINT WILL BE PROVIDED BASED ON FURNITURE LAYOUT. DAS
- THE DAS SYSTEM FOR MOBILE CARRIERS WILL BE DONE AFTER SITE SURVEY BY SPECIALIST ONCE STRUCTURE IS READY AND EPOCC WILL ENSURE THE DAS COVERAGE.

BASEMENT LEVEL-4 ELV SYSTEM LAYOUT ZONE 1 (SHEET 1 OF 2)



DETECTOR TAG DETAIL:

ZDB TAG DETAIL:

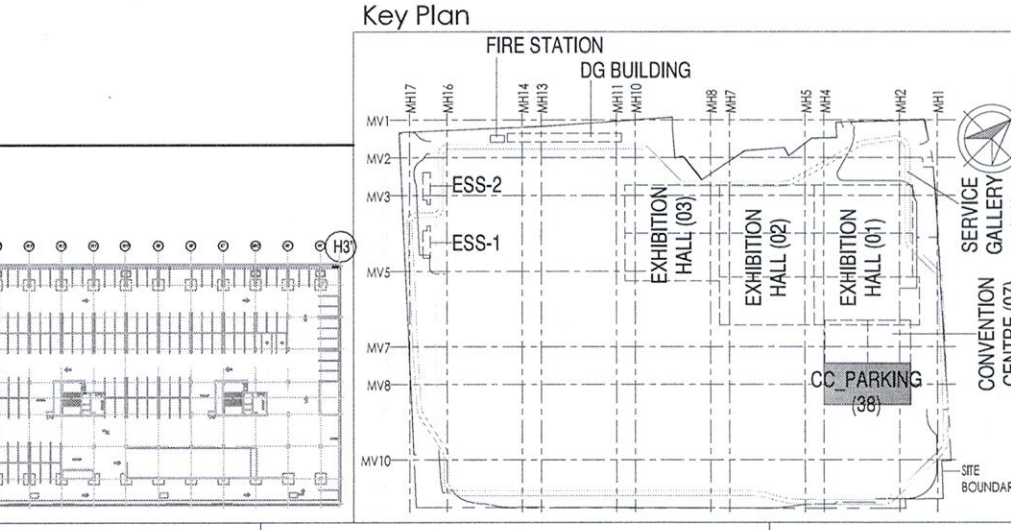
DDC TAG DETAIL:

FDB TAG DETAIL:

CAMERA TAG DETAIL:

DPS TAG DETAIL:

DISCIPLINE	DRAWING NO	TITLE
ARCHITECTURAL	017203-SP-38-WD-0003	CONVENTION CENTRE PARKING BASEMENT-4 AT-202.50 LVL
STRUCTURAL	017203-CSP-38-NU-0004	CONVENTION CENTRE CAR PARKING- LAYOUT, NUMERATION & SETTING OUT DETAIL OF FOUNDATION & SLAB AT B4 LEVEL
ELECTRICAL EQUIPMENT & CABLE TRAY LAYOUT	017203-E-SP-38-EE-0015	CC-PARKING-B4 ELECTRICAL EQUIPMENT, CABLE TRAY & EARTHING LAYOUT-OVERALL PLAN
FAS	017203-F-SP-38-FA-0011	CC-B4 FAS LAYOUT
HVAC	017203-V-SP-38-VS-0002	CC-B4-HVAC EQUIPMENT DUCTING AND PIPING LAYOUT ALL ZONES
PHE	017203-U-SP-38-IP-0001	CC-B4 DRAINAGE LAYOUT



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Department of Industrial Policy and Promotion
 Ministry of Commerce & Industry, Government of India

Knowledge Partner
 Delhi Mumbai Industrial Corridor Development Corporation
 Room No. 341 B, 3rd Floor Hotel Ashok, Diplomatic Enclave, 508 Conchayapat, New Delhi - 110021

Employer's Representative
 Programme Management Consultant (PMC)
AECOM

Preliminary Engineering Architecture Consultants (PEAC)
 idom CPKUKREJA ARCHITECTS

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L&T Construction
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 CKR Consulting Engineers Pvt. Ltd.
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Certification
EPC Contractor
Design Consultant
Architectural Consultant

Prof Consultant
 Structural MEP ICT
 Bangalore

PEAC
 Issued by:
 Employer / Employer's Engineer

R1	ISSUED AS GOOD FOR CONSTRUCTION	13/03/19	SP	BAS	MSK	GNR
REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD

EPC Contractor
L&T Construction
 Buildings & Factories

JOB No : 017203
Project Name
 DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTION & EXPO CENTRE

SECTOR 25, DWARKA, NEW DELHI, INDIA
Drawing Status
 GOOD FOR CONSTRUCTION (GFC)

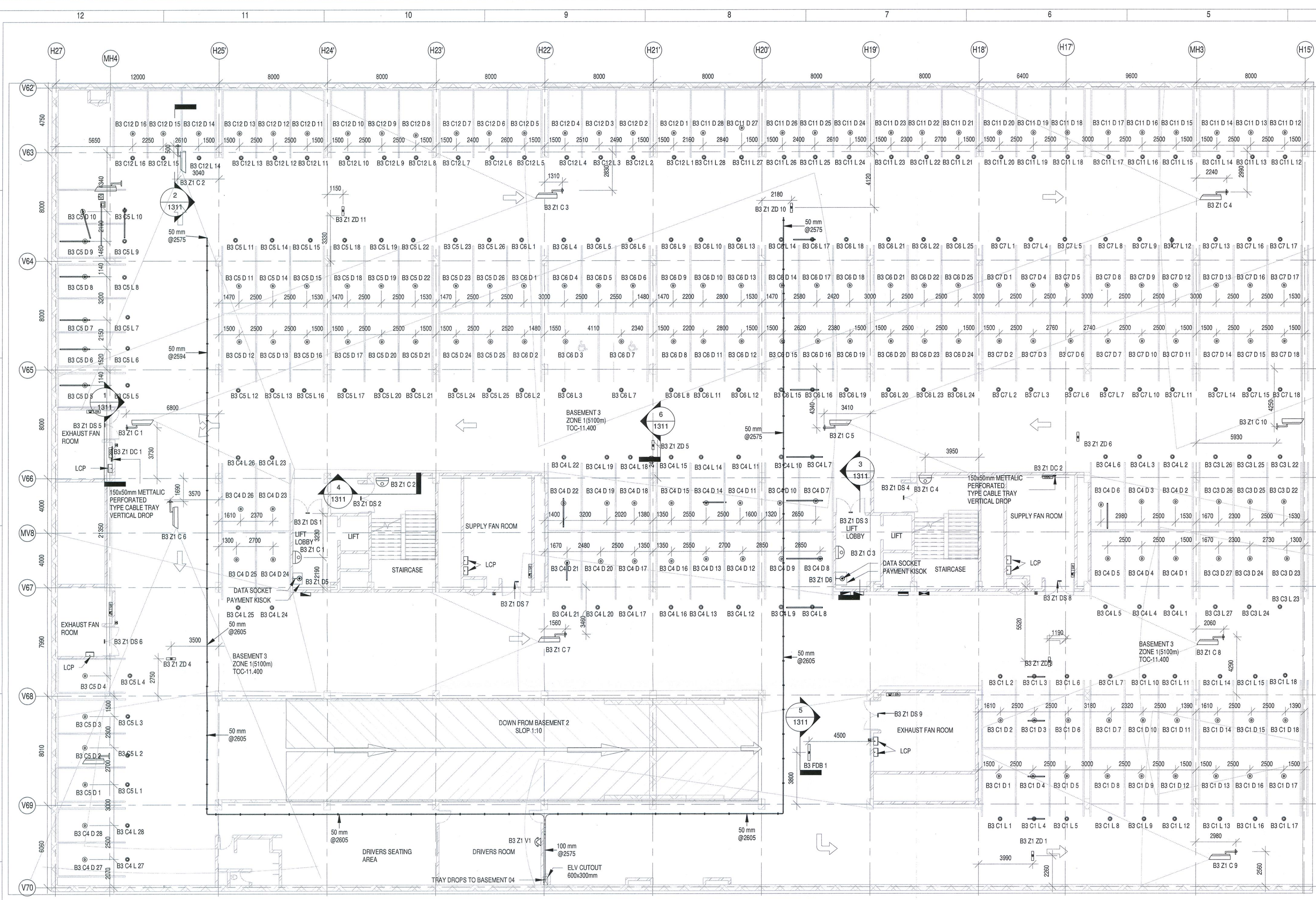
Drawing No L 38 1300 **Rev. No** R1

Title :
 CC-Parking-B4 ELV System Layout 1 of 2

EDRC DWG No : 017203-L-SP-38-LV-1300
 Scale As indicated Sheet Size A1

017203-L-SP-38-LV-1300-CC-Parking-B4-ELV System Layout 1 of 2

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LEGENDS:

SL. NO.	SYMBOL	DESCRIPTION	FIXING LEVEL
1	DDC	DDC PANEL	1200mm ABOVE FFL
2	19U IT RACK	19U IT RACK	600mm ABOVE FFL
3	150mm(Wx50mm(H)) METALLIC PERFORATED TYPE CABLE TRAY		
4	D	ULTRASONIC DETECTOR	SURFACE MOUNTED
5	LED	LED INDICATOR	SURFACE MOUNTED
6	IC	INDOOR FIXED DOME CAMERA	SURFACE MOUNTED
7	L	L-BULLET CAMERA	SURFACE MOUNTED
8	RT	MULTI TECHNOLOGY CARD READER	1000mm ABOVE FFL
9	FB	FLOOR DISPLAY BOARD	3100mm FROM BOTTOM OF FLOOR DISPLAY BOARD TO FFL
10	ZB	ZONE DISPLAY BOARD	3100mm FROM BOTTOM OF FLOOR DISPLAY BOARD TO FFL
11	EB	EXIT PUSH BUTTON	1000mm ABOVE FFL
12	EDR	EMERGENCY DOOR RELEASE	1000mm ABOVE FFL
13	DS	DOOR POSITION SENSOR	ON DOOR
14	MD	MOTION DETECTOR	SURFACE MOUNTED
15	WiFi	WiFi AP	SURFACE MOUNTED

NOTES:

GENERAL:

- ALL CONDUITS SHALL BE CONCEALED IN WALL/CEILING IN NON-FALSE CEILING AREA.
- SUSPENDED CONDUITS ARE TO BE USED, IF MORE THAN 3 CONDUITS RUN IN PARALLEL.
- ALL CONDUITS SHOULD BE EQUIPPED WITH A FULL CORDS WITH SUITABLE TENSION POWER.
- PULL BOXES WITH SUITABLE SIZE SHOULD BE PROVIDED IN ALL PVC CONDUIT SECTIONS THAT ARE CONTAINING MORE THAN TWO 90 DEGREE BENDS.
- ALL DEVICES LOCATIONS AND ORIENTATION ARE INDICATIVE. EXACT LOCATION SHALL BE SHOWN IN THE O&M SHOP DRAWING.
- THIS DRAWING IS ONLY A GUIDE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
- THE EXACT CONDUIT/TRAY ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH THE ENGINEER IN CHARGE TO SUIT LEVEL AND SITE CONDITION.
- A CABLE TRAY SUPPORT MUST ALSO BE PLACED WITHIN 0.60 METERS ON EACH SIDE OF ANY CONNECTION TO A FITTING.
- A MINIMUM SEPARATION DISTANCE 300MM AND SHOULD BE KEPT PHYSICALLY BETWEEN LIGHT CURRENT CABLES AND MEDIUM VOLTAGE CABLES.
- METALLIC PERFORATED TYPE HOT DIP GALVANIZED CABLE TRAY FOR ICT.

ACCESS CONTROL SYSTEM:

- FOR CCTV CAMERA, CAT6A CABLES SHALL BE USED. CABLES SHALL BE DRAWN THROUGH TRAY/20 MM MS PVC CONDUITS UP RESPECTIVE NEARBY STR ROOM.
- POE EXTENDER IS USED FOR CAMERA LOCATION CROSSING 90m FROM RACKS IN STR ROOM.
- THE CCTV CAMERA VIEW ANGLE TO BE SET AS PER THE COVERAGE LOCATION EX. ENTRANCE DOOR/RECEPTION ETC.
- THE SHOWN CAMERA LOCATIONS ARE INDICATIVE. FIELD OF VIEW OF EACH CAMERA MUST BE GENERATED BY OEM/VENDOR FOR JUSTIFYING CHOSEN CAMERA TYPE, LENS TYPE ETC.

ACCESS CONTROL PANEL:

- ALL CABLES FROM CARD READER/MAGNETIC LOCK/DOOR CONTACT/PUSHBUTTON SHALL BE TERMINATED AT ACCESS CONTROL PANEL LOCATED IN NEARBY STR ROOM.
- ACCESS CONTROL PANELS SHALL BE CONNECTED TO SWITCH LOCATED AT NEAR BY STR ROOM, BY CAT 6A UTP CABLE.
- POWER POINT/SOCKET FOR ALL THE ACCESS CONTROL PANELS, REFER ELECTRICAL POWER LAYOUT.
- DPS ARE CONNECTED TO RESPECTIVE ZONE INTRUSION ALARM CONTROLLER IN NEARBY STR ROOM.

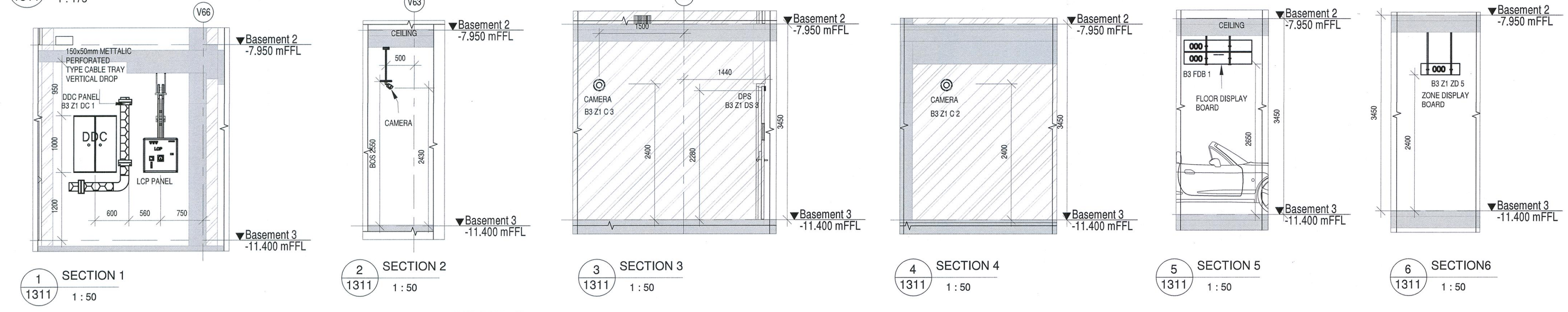
DATA VOICE:

- ALL CABLES FROM ZONAL CONTROLLER PANEL TO EACH ULTRASONIC DETECTOR SHALL BE LOOPED THROUGH 4C1.5sq.mm TWISTED PAIR SHIELDED ARMoured CABLE AS PER TAGGING INDICATED IN THE DRAWING.
- ALL CABLES FROM ULTRASONIC DETECTOR TO LED INDICATOR SHALL BE CONNECTED THROUGH 4C1.5sq.mm TWISTED PAIR SHIELDED ARMoured CABLE.
- THE DISPLAY AT ENTRY OF THE BASEMENT & ZONAL DISPLAY SHALL BE LOOPED & CONNECTED TO DISPLAY LOGIC CONTROLLER BY 4C1.5sq.mm TWISTED PAIR SHIELDED ARMoured CABLE.
- ZONAL CONTROLLER SHALL BE CONNECTED TO NEAREST NETWORK SWITCH THROUGH CAT 6A CABLE.

DATA VOICE:

- 1.4P 23 AWG CAT6A UTP CABLE TO BE USED TO CONNECT RJ 45 DATA VOICE SOCKETS TO JACK PANEL.
- WHEREVER POWER AND LV CABLES ARE RUNNING IN PARALLEL, THEY SHALL BE SEPARATED BY A DISTANCE OF MINIMUM 300MM.
- AREAS AND MEP ROOMS CABLES FOR DATA & VOICE SHALL BE TAKEN FROM CEILING CONDUIT.
- ALL WALL MOUNTED TELEPHONE / DATA SOCKETS COULD BE ALIGNED AT A HEIGHT OF 750MM FROM FFL UNLESS OTHERWISE SPECIFIED. SOCKETS ABOVE COUNTER SLABS TO BE MOUNTED AT A HEIGHT OF 900MM FROM FFL SOCKETS IN PLANT ROOMS TO BE MOUNTED AT A HEIGHT OF 900MM FOR ALL OTHER TELEPHONE AND DATA SOCKETS THE LEVEL SHALL BE MAINTAINED AS PER FURNITURE LAYOUT AND ARCHITECTURAL CONCURRENCE AS PER SITE CONDITION.
- THE STORE AND SERVICES AREA DATA VOICE POINT WILL BE PROVIDED BASED ON FURNITURE LAYOUT. DAS
- THE DAS SYSTEM FOR MOBILE CARRIERS WILL BE DONE AFTER SITE SURVEY BY SPECIALIST ONCE STRUCTURE IS READY. AND EPC WILL ENSURE THE DAS COVERAGE.

A BASEMENT LEVEL -3 ELV SYSTEM LAYOUT ZONE 1 (SHEET 1 OF 2)
1 : 175



DETECTOR TAG DETAIL:

B3 C1 D1	ULTRASONIC DETECTOR NUMBER
B3 Z1 DC1	CONTROLLER NUMBER
B3 Z1 DC1	BASEMENT-3

ZDB TAG DETAIL:

B3 Z1 D1	ZONE DISPLAY BOARD
B3 Z1 D1	ZONE NUMBER
B3 Z1 D1	BASEMENT-3

DDC TAG DETAIL:

B3 Z1 DC1	DDC
B3 Z1 DC1	ZONE NUMBER
B3 Z1 DC1	BASEMENT-3

FDB TAG DETAIL:

B3 Z1 FDB1	FLOOR DISPLAY BOARD
B3 Z1 FDB1	BASEMENT-3

CAMERA TAG DETAIL:

B3 Z1 C1	CAMERA NUMBER
B3 Z1 C1	ZONE NUMBER
B3 Z1 C1	BASEMENT-3

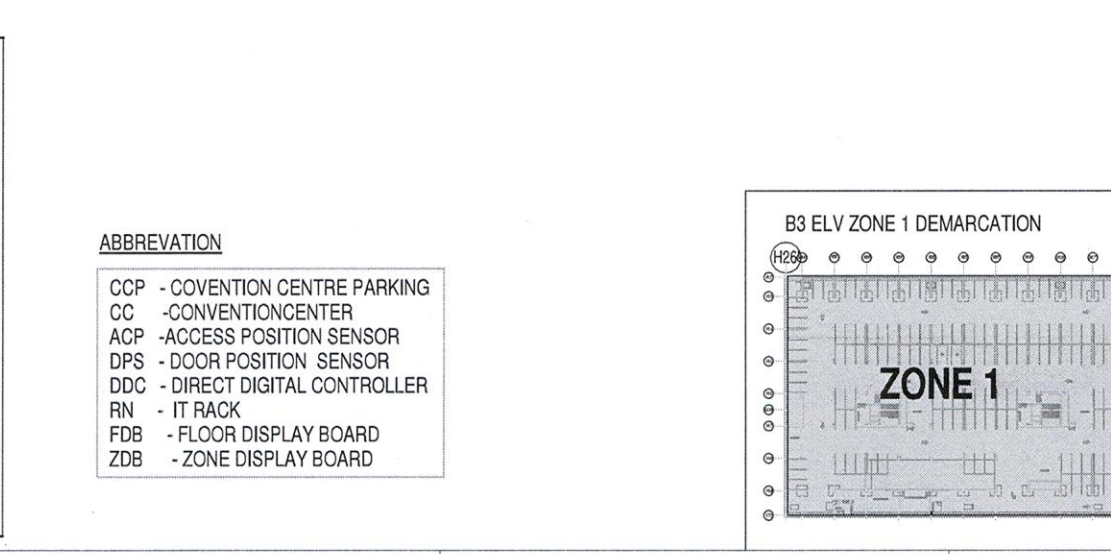
DPS TAG DETAIL:

B3 Z1 DS1	DPS
B3 Z1 DS1	ZONE NUMBER
B3 Z1 DS1	BASEMENT-3

REFERENCE DRAWINGS:

1. 017203-E-SP-38-LV-0003 - CC-PARKING-B-3 LIGHTING & POWER LAYOUT 1/2	
2. 017203-E-SP-38-LV-0004 - CC-PARKING-B-3 LIGHTING & POWER LAYOUT 2/2	
3. 017203-L-SP-38-LV-1111-CC-B-1 ELV SYSTEM LAYOUT 1/2	
4. 017203-L-SP-38-LV-1122-CC-B-1 ELV SYSTEM LAYOUT 2/2	
5. 017203-L-SP-38-LV-1211-CC-B-2 ELV SYSTEM LAYOUT 1/2	
6. 017203-L-SP-38-LV-1222-CC-B-2 ELV SYSTEM LAYOUT 2/2	
7. 017203-L-SP-38-LV-1311-CC-B-3 ELV SYSTEM LAYOUT 1/2	
8. 017203-L-SP-38-LV-1322-CC-B-3 ELV SYSTEM LAYOUT 2/2	
9. 017203-L-SP-38-LV-1400-CC-B-4 ELV SYSTEM LAYOUT 1/2	
10. 017203-L-SP-38-LV-1500-CC-B-4 ELV SYSTEM LAYOUT 2/2	
11. 017203-L-SP-38-LV-1600-CC-B-5 ELV SYSTEM LAYOUT 1/2	
12. 017203-L-SP-38-LV-1700-CC-B-5 ELV SYSTEM LAYOUT 2/2	
13. 017203-L-SP-38-LV-1800-CC-B-6 ELV SYSTEM LAYOUT 1/2	
14. 017203-L-SP-38-LV-1900-CC-B-6 ELV SYSTEM LAYOUT 2/2	
15. 017203-L-SP-38-LV-2000-CC-B-7 ELV SYSTEM LAYOUT 1/2	
16. 017203-L-SP-38-LV-2100-CC-B-7 ELV SYSTEM LAYOUT 2/2	
17. 017203-L-SP-38-LV-2200-CC-B-8 ELV SYSTEM LAYOUT 1/2	
18. 017203-L-SP-38-LV-2300-CC-B-8 ELV SYSTEM LAYOUT 2/2	
19. 017203-L-SP-38-LV-2400-CC-B-9 ELV SYSTEM LAYOUT 1/2	
20. 017203-L-SP-38-LV-2500-CC-B-9 ELV SYSTEM LAYOUT 2/2	
21. 017203-L-SP-38-LV-2600-CC-B-10 ELV SYSTEM LAYOUT 1/2	
22. 017203-L-SP-38-LV-2700-CC-B-10 ELV SYSTEM LAYOUT 2/2	
23. 017203-L-SP-38-LV-2800-CC-B-11 ELV SYSTEM LAYOUT 1/2	
24. 017203-L-SP-38-LV-2900-CC-B-11 ELV SYSTEM LAYOUT 2/2	

DISCIPLINE	DRAWING NO	TITLE
ARCHITECTURAL	017203-A-SP-38-WD-0005	CONVENTION CENTRE PARKING BASEMENT-3 AT-202.50 LVL
STRUCTURAL	017203-C-SP-38-NU-0002	CONVENTION CENTRE CAR PARKING-LAYOUT/NUMERATION & SETTING OUT DETAIL OF FOUNDATION & SLAB AT B3 LEVEL
ELECTRICAL EQUIPMENT & CABLE TRAY LAYOUT	017203-E-SP-38-EE-0012	CC-PARKING-B-3 ELECTRICAL EQUIPMENT CABLE TRAY & EARTHING LAYOUT-OVERALL PLAN
FAS	017203-F-SP-38-FA-0009	CC-B-3 FAS LAYOUT
HVAC	017203-V-SP-38-VS-0004	CC-B-3-HVAC EQUIPMENT DUCTING AND PIPING LAYOUT ALL ZONES
PHE	017203-U-SP-38-IP-0003	CC-B-3 DRAINAGE LAYOUT



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Delhi Mumbai Industrial Corridor Development Corporation
Room No. 341 B, 3rd Floor Hotel Ashok, Diplomatic Enclave, 508 Charokypat, New Delhi - 110021

Employer's Representative:
Employer's Engineer
Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC):
idom, CPK KUREJA ARCHITECT

EPC Contractor:
L&T Construction Buildings & Factories

EPC Contractor's Representatives:
Design Consultant: Engineering Design and Research Centre (EDRC) L&T Construction - Buildings & Factories
Architectural Consultant: Arcop Associates Pvt. Ltd.

Structural Proof Consultant:
Indian Institute of Technology (IIT) Madras

MEP Proof Consultant:
Egis India Consulting Engineers Pvt. Ltd.

ICT Proof Consultant:
CKR Consulting Engineers Pvt. Ltd.

Certification:
EPC Contractor: L&T Construction
Design Consultant: EDRC
Architectural Consultant: Arcop Associates Pvt. Ltd.
Proof Consultant: Structural, MEP, ICT

Issued by:
Employer / Employer's Engineer

Revisions:

REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R1	ISSUED AS GOOF FOR CONSTRUCTION	16/03/19	SP	BAS	MSK	GNR

EPC Contractor:
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JOB No.: O17203

Project Name: DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTION & EXPO CENTRE

SECTOR 25, DWARKA, NEW DELHI, INDIA

Drawing Status: GOOD FOR CONSTRUCTION (GFC)

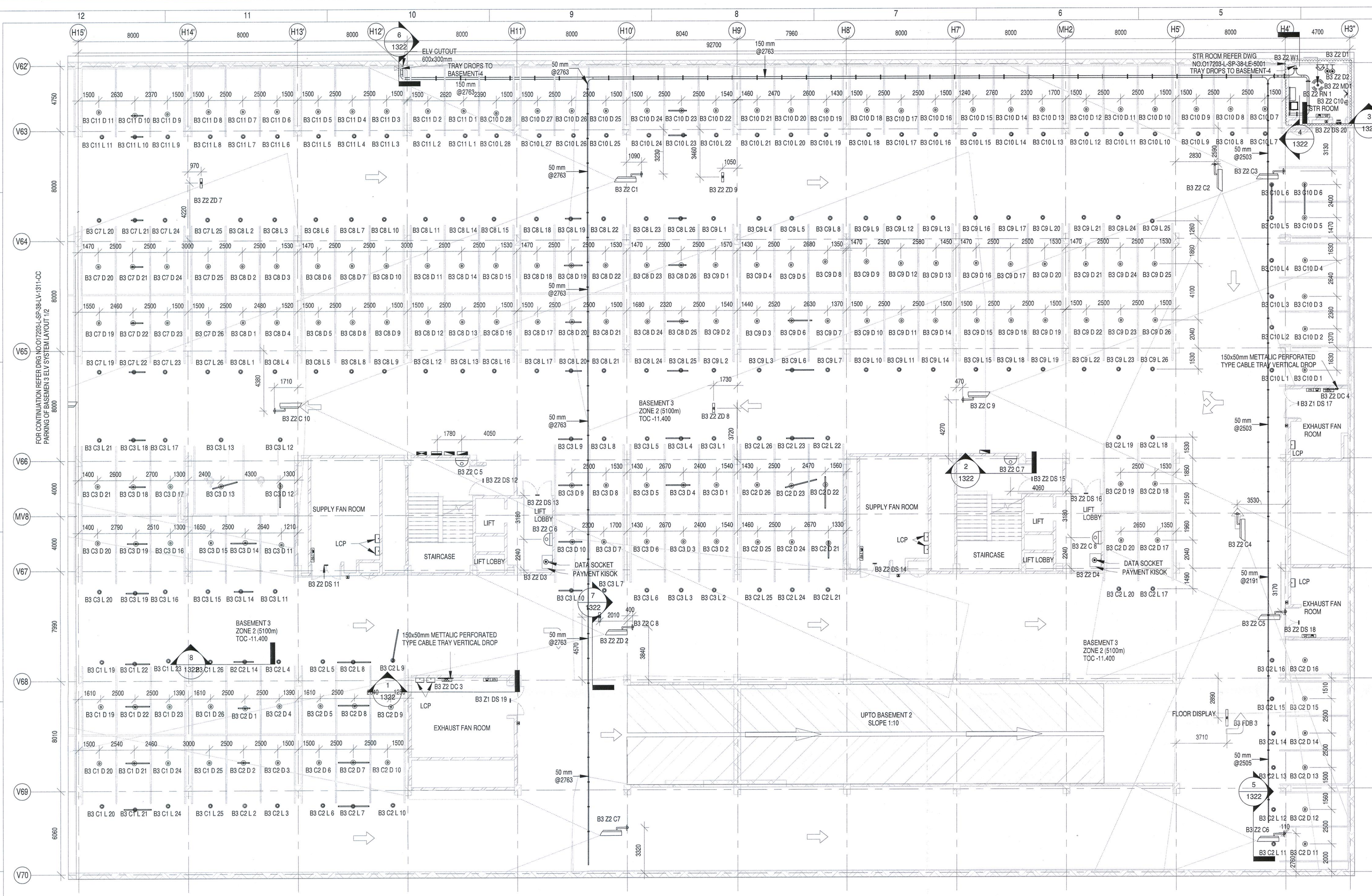
Drawing No: L 38 1311 **Rev. No:** R1

Title: CC-Parking-B3 ELV System Layout 1/2

EDRC DWG No.: O17203-L-SP-38-LV-1311 **Scale:** As indicated **Sheet Size:** A1

O17203-L-SP-38-LV-1311 (CC-Parking-B3 ELV System Layout 1/2)

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LEGENDS:

SL. NO	SYMBOL	DESCRIPTION	FIXING LEVEL
1	DDC	DDC PANEL	1200mm ABOVE FFL
2		19U IT RACK	600mm ABOVE FFL
3		150mm (Wx50mm) METALLIC PERFORATED TYPE CABLE TRAY	-
4	D	ULTRASONIC DETECTOR	SURFACE MOUNTED
5		LED INDICATOR	SURFACE MOUNTED
6		INDOOR FIXED DOME CAMERA	SURFACE MOUNTED
7		L-BULLET CAMERA	SURFACE MOUNTED
8	R	MULTI TECHNOLOGY CARD READER	1000mm ABOVE FFL
9		FLOOR DISPLAY BOARD	3100mm FROM BOTTOM OF FLOOR DISPLAY BOARD TO FFL
10	ZB	ZONE DISPLAY BOARD	3100mm FROM BOTTOM OF FLOOR DISPLAY BOARD TO FFL
11		EXIT PUSH BUTTON	1000mm ABOVE FFL
12		EMERGENCY DOOR RELEASE	1000mm ABOVE FFL
13		DOOR POSITION SENSOR	ON DOOR
14		MOTION DETECTOR	SURFACE MOUNTED
15		WIFI-AP	SURFACE MOUNTED

NOTES:

GENERAL

- ALL CONDUITS SHALL BE CONCEALED IN WALL/CEILING IN NON-FALSE CEILING AREA.
- SUSPENDED CONDUITS ARE TO BE USED, IF MORE THAN 3 CONDUITS RUN IN PARALLEL.
- ALL CONDUITS SHOULD BE EQUIPPED WITH A PULL CORDS WITH SUITABLE TENSION POWER.
- PULL BOXES WITH SUITABLE SIZE SHOULD BE PROVIDED IN ALL PVC CONDUIT SECTIONS THAT ARE CONTAINING MORE THAN TWO 90 DEGREE BENDS.
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- A MINIMUM SEPARATION DISTANCE 300MM AND SHOULD BE KEPT PHYSICALLY BETWEEN LIGHT CURRENT CABLES AND MEDIUM VOLTAGE CABLES.
10. METALLIC PERFORATED TYPE HOT DIP GALVANIZED CABLE TRAY FOR ICT.

CC-TV SYSTEM

- FOR CCTV CAMERA, CAT6A CABLES SHALL BE USED. CABLES SHALL BE DRAWN THROUGH TRAY/20 MM MS/PVC CONDUITS UP RESPECTIVE NEARBY STR ROOM.
- POE EXTENDER IS USED FOR CAMERA LOCATION CROSSING 90m FROM RACKS IN STR ROOM.
- THE CCTV CAMERA VIEW ANGLE TO BE SET AS PER THE COVERAGE LOCATION EX. ENTRANCE DOOR/RECEPTION ETC.
- THE SHOWN CAMERA LOCATIONS ARE INDICATIVE. FIELD OF VIEW OF EACH CAMERA MUST BE GENERATED BY OEM/VENDOR FOR JUSTIFYING CHOSEN CAMERA TYPE, LENS TYPE ETC.

ACCESS CONTROL SYSTEM

- ALL CABLES FROM CARD READER/MAGNETIC LOCK/DOOR CONTACT/PUSHBUTTON SHALL BE TERMINATED AT ACCESS CONTROL PANEL LOCATED IN NEARBY STR ROOM.
- ACCESS CONTROL PANELS SHALL BE CONNECTED TO SWITCH LOCATED AT NEARBY STR ROOM, BY CAT 6A UTP CABLE.
- POWER POINT/SOCKET FOR ALL THE ACCESS CONTROL PANELS, REFER ELECTRICAL POWER LAYOUT.
- DPS ARE CONNECTED TO RESPECTIVE ZONE INTRUSION ALARM CONTROLLER IN NEARBY STR ROOM.

DIS

- DDC PANELS ARE LOCATED AT 1500MM FROM FFL CENTER OF PANEL.
- TENTATIVE DIMENSIONS OF THE DDC PANEL IS SHOWN DEPENDS ON OEM.
- DDC CONTROLLER AND I/O MODULE CONFIGURATION AS PER OEM SYSTEM DESIGN.
- LOCATION FOR THE SENSORS ARE SHOWN IN THE LAYOUT IS INDICATIVE.
- TYPE OF CABLE TO FIELD CONNECTIONS AS PER BMS CABLE SCHEDULE.
- THE MAIN INTEGRATION PROTOCOL SHALL BAGNET OVER TOP/1 & BAGNET OVER MSTP.

CAR PARKING NOTES:

- ALL CABLES FROM ZONAL CONTROLLER PANEL TO EACH ULTRASONIC DETECTOR SHALL BE LOOPED THROUGH 40x1.5sqmm TWISTED PAIR SHIELDED ARMORED CABLE AS PER TAGGING INDICATED IN THE DRAWING.
- ALL CABLES FROM ULTRASONIC DETECTOR TO LED INDICATOR SHALL BE CONNECTED THROUGH 40x1.5sqmm TWISTED PAIR SHIELDED ARMORED CABLE.
- THE DISPLAY AT ENTRY OF THE BASEMENT & ZONAL DISPLAY SHALL BE LOOPED & CONNECTED TO DISPLAY LOGIC CONTROLLER BY 40x1.5sqmm TWISTED PAIR SHIELDED ARMORED CABLE.
- ZONAL CONTROLLER SHALL BE CONNECTED TO NEAREST NETWORK SWITCH THROUGH CAT 6A CABLE.

DATA VOICE

- 4 PAIR 23 AWG CAT6A UTP CABLE TO BE USED TO CONNECT RJ 45 DATA VOICE SOCKETS TO JACK PANEL.
- WHEREVER POWER AND LV CABLES ARE RUNNING IN PARALLEL, THEY SHALL BE SEPARATED BY A DISTANCE OF MINIMUM 300MM.
- AREAS AND MEP ROOMS CABLES FOR DATA & VOICE SHALL BE TAKEN FROM CEILING CONDUIT.
- ALL WALL MOUNTED TELEPHONE / DATA SOCKETS COULD BE ALIGNED AT A HEIGHT OF 750MM FROM FFL UNLESS AND OTHERWISE SPECIFIED. SOCKETS ABOVE COUNTER SLABS TO BE MOUNTED AT A HEIGHT OF 900MM FROM FFL SOCKETS IN PLANT ROOMS TO BE MOUNTED AT A HEIGHT OF 900MM FOR ALL OTHER TELEPHONE AND DATA SOCKETS. THE LEVEL SHALL BE MAINTAINED AS PER FURNITURE LAYOUT AND ARCHITECTURAL CONCURRENCE AS PER SITE CONDITION.
- THE STORE AND SERVICES AREA DATA VOICE POINT WILL BE PROVIDED BASED ON FURNITURE LAYOUT.

DAS

- THE DAS SYSTEM FOR MOBILE CARRIERS WILL BE DONE AFTER SITE SURVEY BY SPECIALIST ONCE STRUCTURE IS READY AND EPC WILL ENSURE THE DAS COVERAGE.

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Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

idom | CPKUREJA K&A

EPC Contractor

L&T Construction Buildings & Factories

EPC Contractor's Representatives

Design Consultant: Arcop Associates Pvt. Ltd.

Structural Consultant

Indian Institute of Technology (IIT) Madras

MEP Consultant

Egis India Consulting Engineers Pvt. Ltd.

ICT Consultant

CRK Consulting Engineers Pvt. Ltd.

Certification

L&T Construction - Chennai

EPC Contractor

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Architectural Consultant

ARCOP

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IIT Madras

MEP Consultant

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ICT Consultant

CRK Consulting Engineers Pvt. Ltd.

Issued by:

Employer / Employer's Engineer

REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R1	ISSUED AS GOOD FOR CONSTRUCTION	16/03/19	SP	BAS	MSK	GNR

Revisions

NO	DESCRIPTION	DATE	BY	CHECKED BY
1	ARCHITECTURE		FFS	
2	STRUCTURAL		FFS	
3	ELECTRICAL		FFS	
4	ELV SYSTEM		FFS	
5	HVAC		FFS	

EPC Contractor

L&T Construction Buildings & Factories

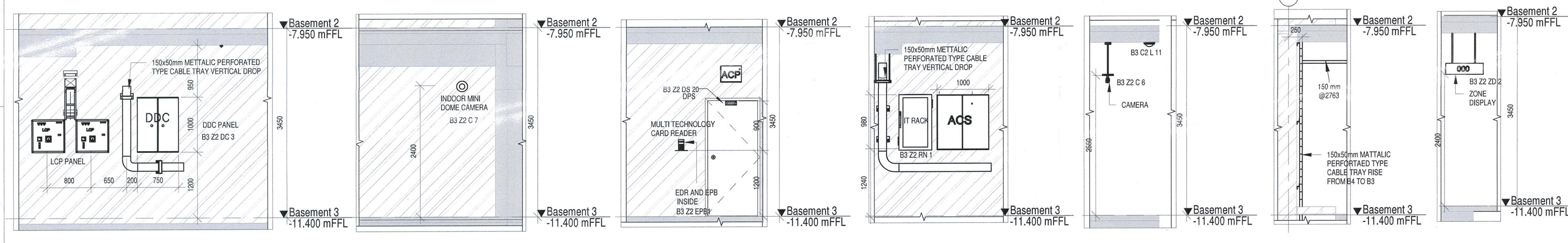
JOB No: O17203
Project Name: DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTION & EXPO CENTRE
SECTOR 25, DWARKA, NEW DELHI, INDIA
Drawing Status: GOOD FOR CONSTRUCTION (GFC)

Drawing No	Rev. No
L 38	1322
	R1

Title: CC-Parking-B3 ELV System Layout 2/2

EDRC DWG No: O17203 - L - SP - 38 - LV - 1322
Scale: As indicated
Sheet Size: A1

A BASEMENT LEVEL-3 ELV SYSTEM LAYOUT ZONE 2 (SHEET 2 OF 2)
1322 1 : 175



1 SECTION 1 1322 1 : 50
2 SECTION 2 1322 1 : 50
3 SECTION 3 1322 1 : 50
4 SECTION 4 1322 1 : 50
5 SECTION 5 1322 1 : 50
6 SECTION 6 1322 1 : 50
7 SECTION 7 1322 1 : 50
8 SECTION 8 1322 1 : 50

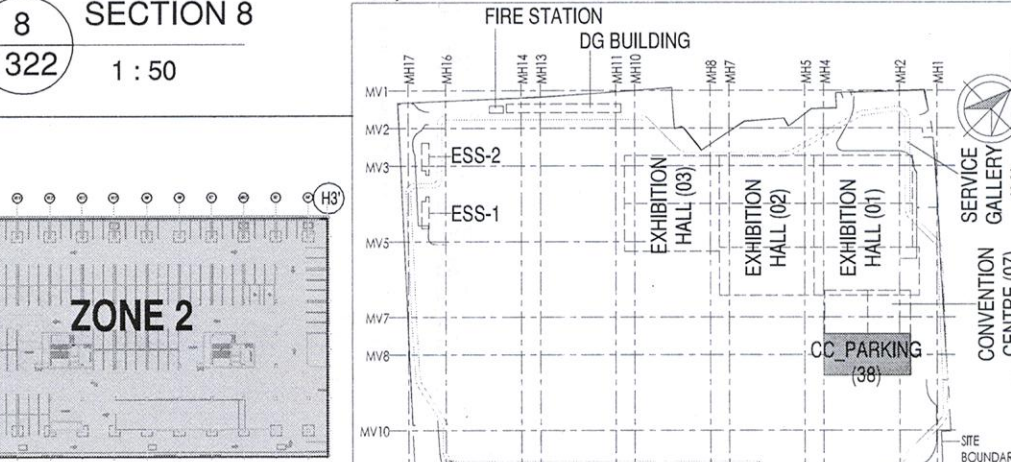
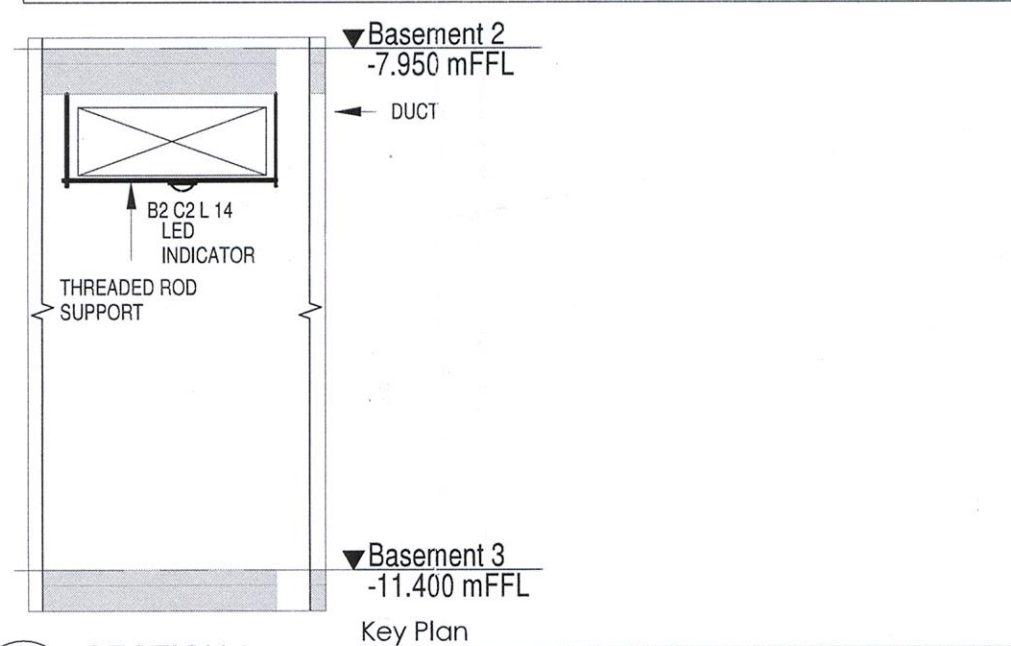
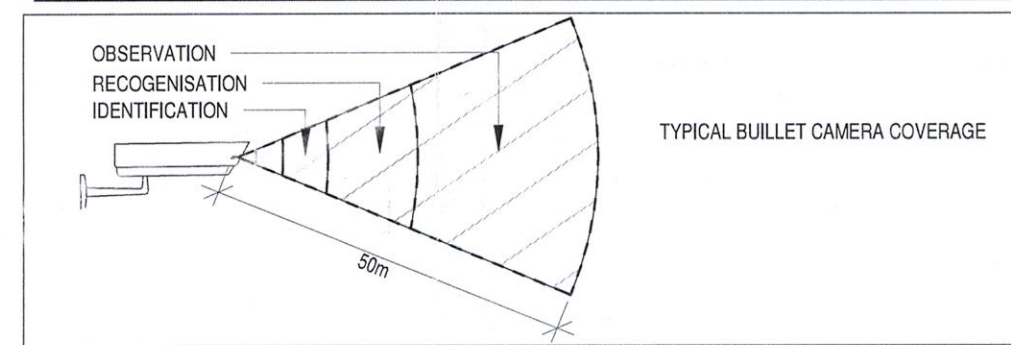
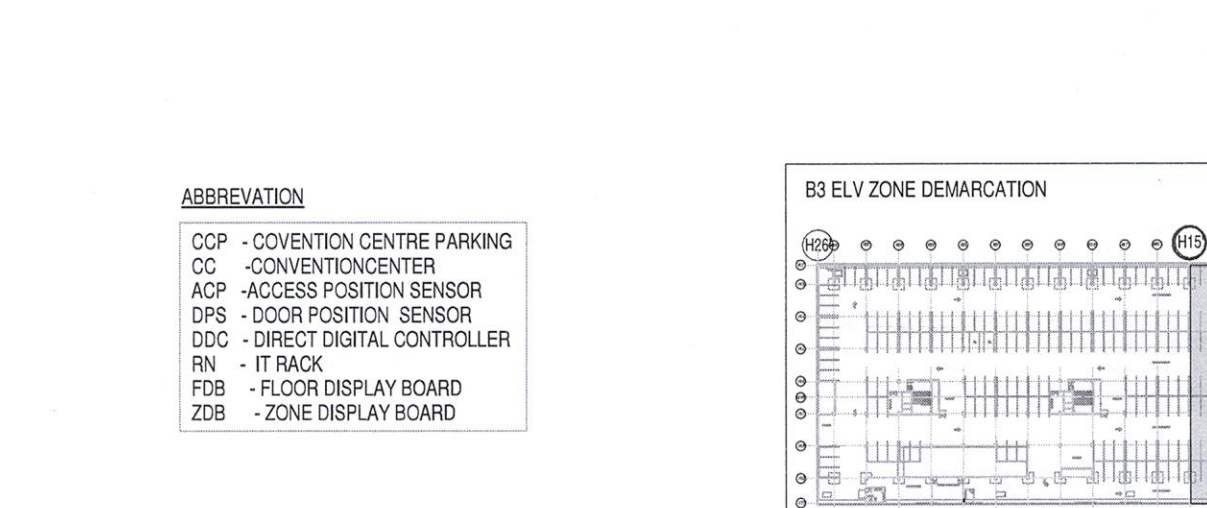
REFERENCE DRAWINGS:

- 017203-E-SP-38-LV-0003 - CC-PARKING-B3 LIGHTING & POWER LAYOUT 1/2
- 017203-E-SP-38-LV-0004 - CC-PARKING-B3 LIGHTING & POWER LAYOUT 2/2
- 017203-L-SP-38-LV-1111 - CC-B1 ELV SYSTEM LAYOUT 1/2
- 017203-L-SP-38-LV-1122 - CC-B2 ELV SYSTEM LAYOUT 1/2
- 017203-L-SP-38-LV-1211 - CC-B2 ELV SYSTEM LAYOUT 2/2
- 017203-L-SP-38-LV-1222 - CC-B2 ELV SYSTEM LAYOUT 2/2
- 017203-L-SP-38-LV-1311 - CC-B3 ELV SYSTEM LAYOUT 1/2
- 017203-L-SP-38-LV-1322 - CC-B3 ELV SYSTEM LAYOUT 2/2
- 017203-L-SP-38-LV-1333 - CC-B4 ELV SYSTEM LAYOUT 1/2
- 017203-L-SP-38-LV-1334 - CC-B4 ELV SYSTEM LAYOUT 2/2
- 017203-L-SP-38-LV-1335 - CC-PARKING BMS ID SUMMARY 3/3
- 017203-L-SP-38-LV-1336 - CC-PARKING BMS ID SUMMARY 3/3
- 017203-L-SP-38-LV-1337 - BLOCK SCHEMATIC DIAGRAM FOR PA SYSTEM CONVENTION CENTER
- 017203-L-SP-38-LV-1338 - BLOCK SCHEMATIC DIAGRAM FOR PA SYSTEM CONVENTION CENTER
- 017203-L-SP-38-LV-1339 - SERVICE GALLERY - OVER ALL ELV SYSTEM LAYOUT
- 017203-L-SP-38-LV-1340 - SERVICE GALLERY - OVER ALL DATA & VOICE LAYOUT
- 017203-L-SP-38-LV-1341 - CONVENTION CENTER -B2- OVER ALL ELV SYSTEM LAYOUT
- 017203-L-SP-38-LV-1342 - CONVENTION CENTER -B2- OVER ALL DATA & VOICE LAYOUT
- 017203-L-SP-38-LV-1343 - BLOCK SCHEMATIC DIAGRAM FOR PARKING MANAGEMENT SYSTEM
- 017203-L-SP-38-LV-1344 - BLOCK SCHEMATIC DIAGRAM FOR OVER ALL IT NETWORK
- 017203-L-SP-38-LV-1345 - BLOCK SCHEMATIC DIAGRAM FOR OVER ALL ELV NETWORK
- 017203-L-SP-38-LV-1346 - OVER ALL EXTERNAL DATA VOICE LAYOUT
- 017203-L-SP-38-LV-1347 - BLOCK SCHEMATIC DIAGRAM FOR DATA NETWORK SYSTEM CONVENTION CENTER

DISCIPLINE	DRAWING NO	TITLE
ARCHITECTURAL	O17203-A-SP-38-WD-0005	CONVENTION CENTRE PARKING BASEMENT-3 AT 22.50 LVL
STRUCTURAL	O17203-S-SP-38-NU-0002	CONVENTION CENTRE CAR PARKING LAYOUT, NUMERATION & SETTING OUT DETAIL OF FOUNDATION & SLAB AT B3 LEVEL
ELECTRICAL EQUIPMENT & CABLE TRAY LAYOUT	O17203-E-SP-38-EE-0012	CC-PARKING-B3 ELECTRICAL EQUIPMENT, CABLE TRAY & EARTHING LAYOUT-OVERALL PLAN
FAS	O17203-F-SP-38-FA-0009	CC-B3 FAS LAYOUT
HVAC	O17203-V-SP-38-VS-0004	CC-B3-HVAC EQUIPMENT DUCTING AND PIPING LAYOUT ALL ZONES
PHE	O17203-US-SP-38-IP-0003	CC-B3 DRAINAGE LAYOUT

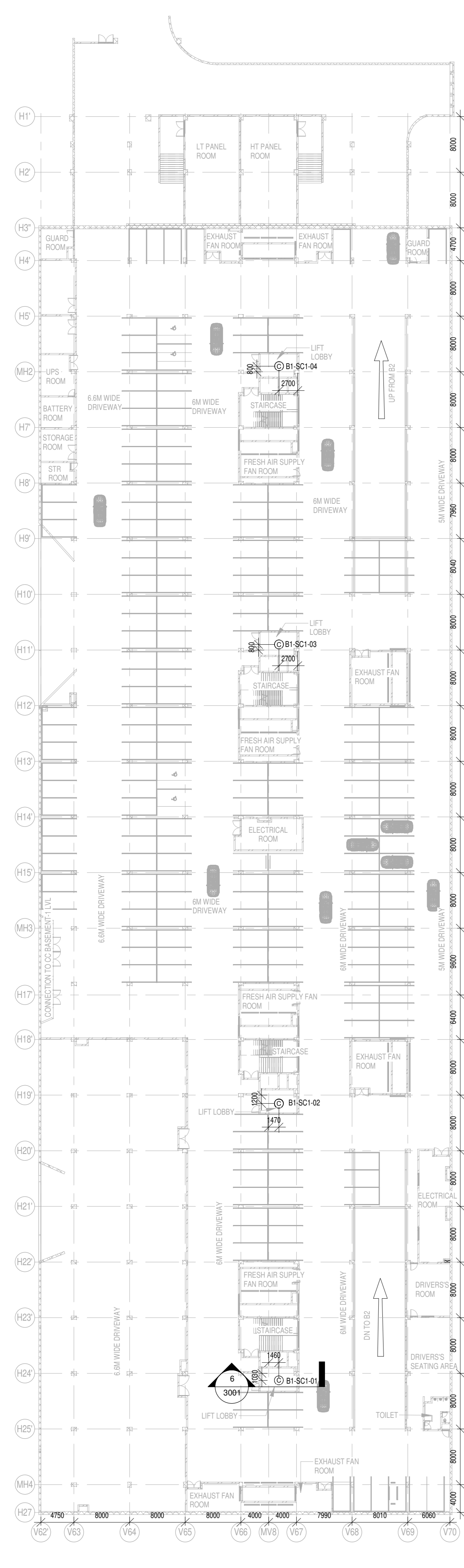
ABBREVIATION

COP	CONVENTION CENTRE PARKING
CC	CONVENTION CENTER
ACP	ACCESS POSITION CENTER
DPS	DOOR POSITION SENSOR
DDC	DIRECT DIGITAL CONTROLLER
IT RACK	IT RACK
FDB	FLOOR DISPLAY BOARD
ZDB	ZONE DISPLAY BOARD

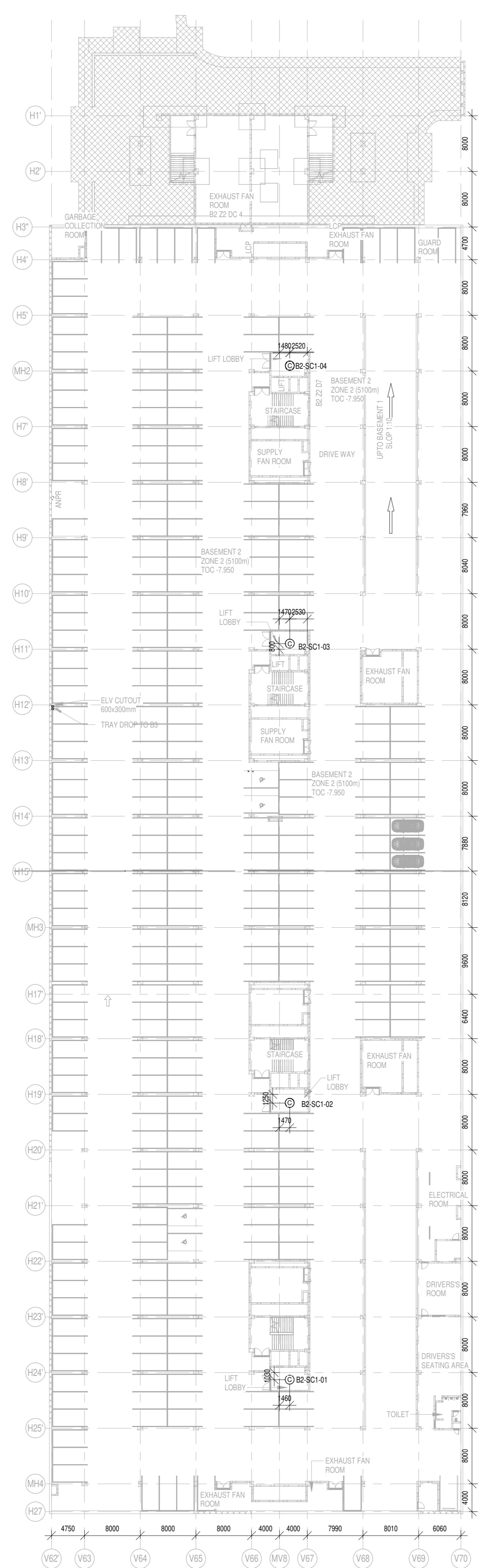


O17203 - L - SP - 38 - LV - 1322 (CC-Parking-B3 ELV System Layout 2/2)

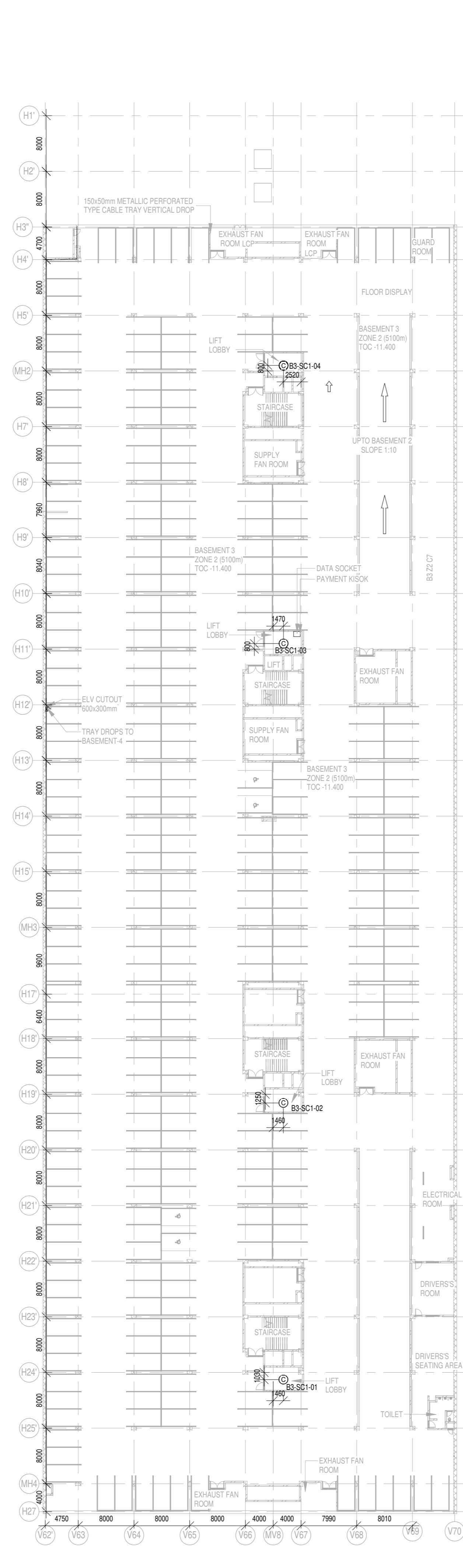
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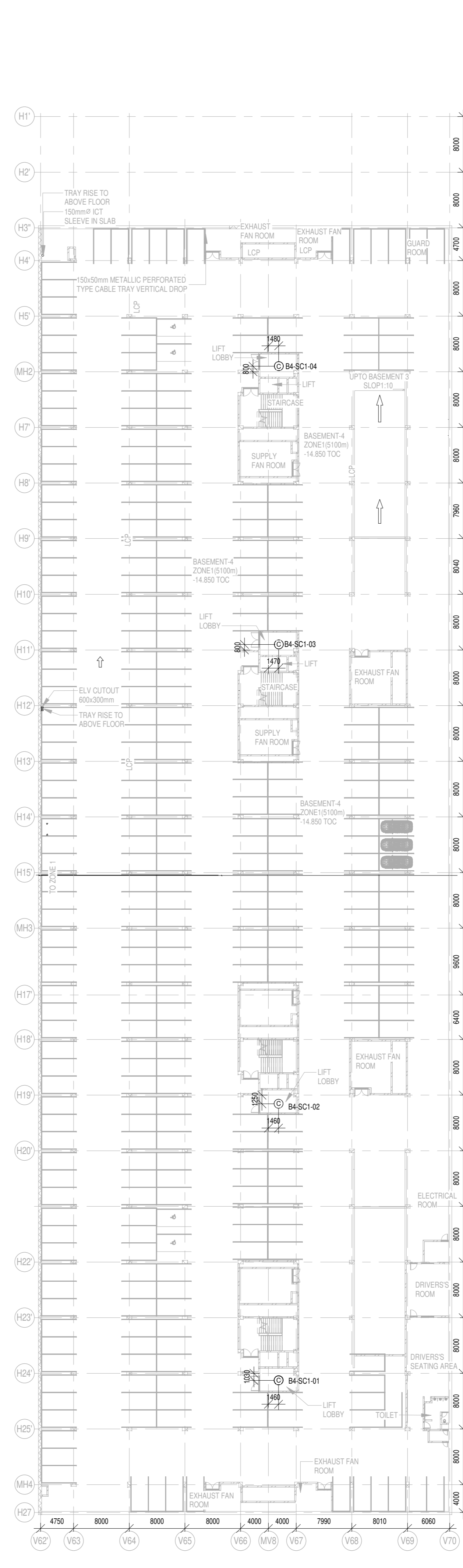
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CC PARKING_B1_BACK GROUND MUSIC LAYOUT



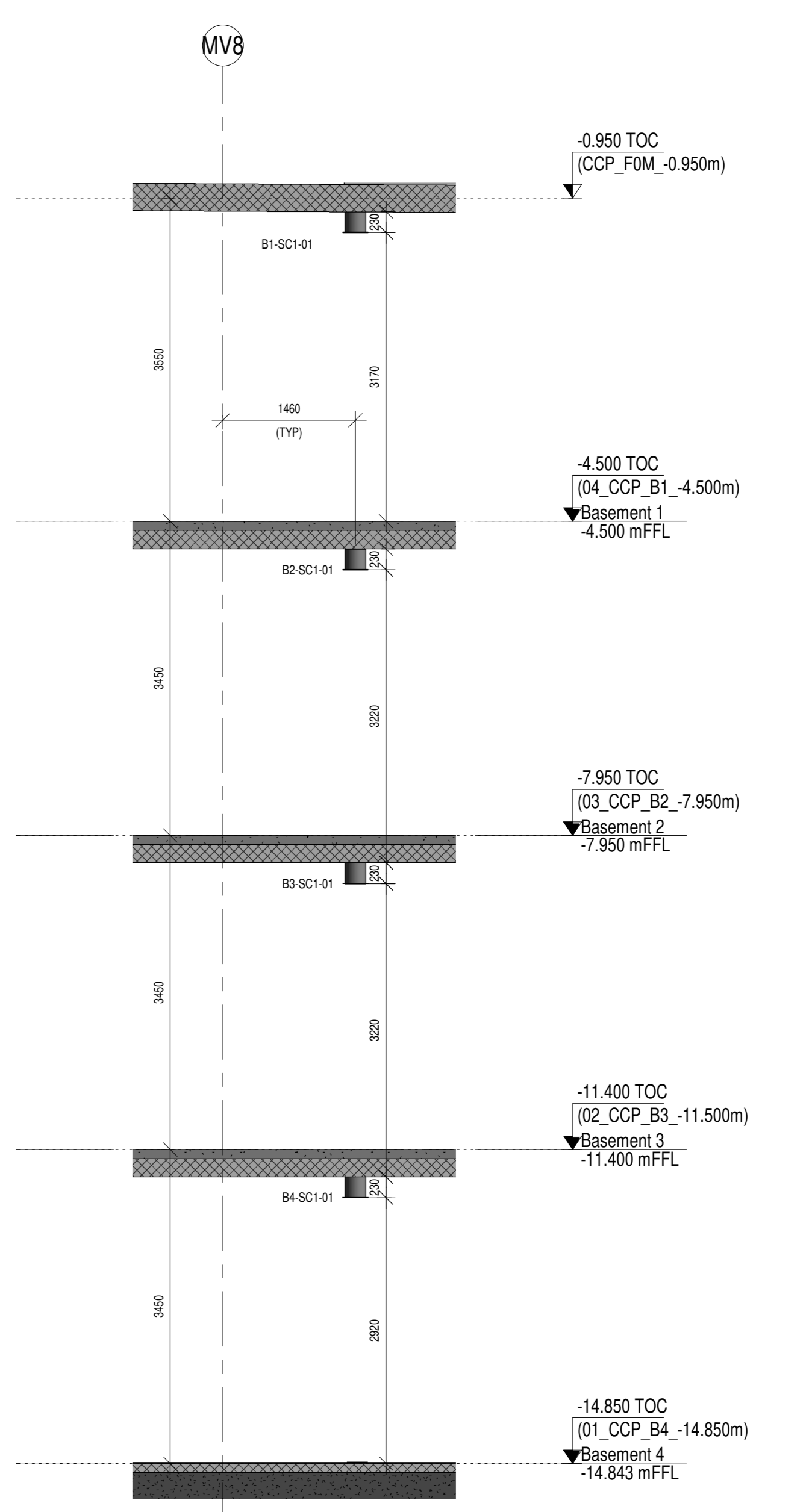
2
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CC PARKING_B2_BACK GROUND MUSIC LAYOUT



3
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CC PARKING_B3_BACK GROUND MUSIC LAYOUT



4
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CC PARKING_B4_BACK GROUND MUSIC LAYOUT



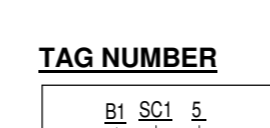
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1:50
TYPICAL TO ALL LIFT LOBBYS

DISCIPLINE	DRAWING NO	TITLE
ARCHITECTURAL	017203-A-SP-38-WD-0005	CONVENTION CENTRE PARKING BASEMENT 4 AT 200 50 LVL
STRUCTURAL	017203-C-SP-38-NU-0002	CONVENTION CENTRE CAR PARKING LAYOUT MEMORANDUM & SETTING OUT DETAIL OF FOUNDATION & SLAB AT B3 LEVEL
ELECTRICAL EQUIPMENT & CABLE TRAY LAYOUT	017203-E-SP-38-EE-0012	CC PARKING-B1 ELECTRICAL EQUIPMENT CABLE TRAY & EARTHING LAYOUT OVERALL PLAN
FAS	017203-F-SP-38-FA-0005	CC-B1 FAS LAYOUT
HVAC	017203-H-SP-38-HS-0004	CC-B1 HVAC EQUIPMENT DUCTING AND PIPING LAYOUT ALL ZONES
PHE	017203-U-SP-38-P-0003	CC-B1 DRAINAGE LAYOUT

DISCIPLINE	DRAWING NO	TITLE
ARCHITECTURAL	017203-A-SP-38-WD-0003	CONVENTION CENTRE PARKING BASEMENT 2 AT 200 50 LVL
STRUCTURAL	017203-C-SP-38-NU-0004	CONVENTION CENTRE CAR PARKING LAYOUT MEMORANDUM & SETTING OUT DETAIL OF FOUNDATION & SLAB AT B2 LEVEL
ELECTRICAL EQUIPMENT & CABLE TRAY LAYOUT	017203-E-SP-38-EE-0015	CC PARKING-B2 ELECTRICAL EQUIPMENT CABLE TRAY & EARTHING LAYOUT OVERALL PLAN
FAS	017203-F-SP-38-FA-0007	CC-B2 FAS LAYOUT
HVAC	017203-H-SP-38-HS-0002	CC-B2 HVAC EQUIPMENT DUCTING AND PIPING LAYOUT ALL ZONES
PHE	017203-U-SP-38-P-0002	CC-B2 DRAINAGE LAYOUT

DISCIPLINE	DRAWING NO	TITLE
ARCHITECTURAL	017203-A-SP-38-WD-0005	CONVENTION CENTRE PARKING BASEMENT 4 AT 200 50 LVL
STRUCTURAL	017203-C-SP-38-NU-0002	CONVENTION CENTRE CAR PARKING LAYOUT MEMORANDUM & SETTING OUT DETAIL OF FOUNDATION & SLAB AT B3 LEVEL
ELECTRICAL EQUIPMENT & CABLE TRAY LAYOUT	017203-E-SP-38-EE-0012	CC PARKING-B3 ELECTRICAL EQUIPMENT CABLE TRAY & EARTHING LAYOUT OVERALL PLAN
FAS	017203-F-SP-38-FA-0009	CC-B3 FAS LAYOUT
HVAC	017203-H-SP-38-HS-0004	CC-B3 HVAC EQUIPMENT DUCTING AND PIPING LAYOUT ALL ZONES
PHE	017203-U-SP-38-P-0003	CC-B3 DRAINAGE LAYOUT

DISCIPLINE	DRAWING NO	TITLE
ARCHITECTURAL	017203-A-SP-38-WD-0004	CONVENTION CENTRE PARKING BASEMENT 2 AT 200 50 LVL
STRUCTURAL	017203-C-SP-38-NU-0003	CONVENTION CENTRE CAR PARKING LAYOUT MEMORANDUM & SETTING OUT DETAIL OF FOUNDATION & SLAB AT B2 LEVEL
ELECTRICAL EQUIPMENT & CABLE TRAY LAYOUT	017203-E-SP-38-EE-0015	CC PARKING-B4 ELECTRICAL EQUIPMENT CABLE TRAY & EARTHING LAYOUT OVERALL PLAN
FAS	017203-F-SP-38-FA-0007	CC-B4 FAS LAYOUT
HVAC	017203-H-SP-38-HS-0002	CC-B4 HVAC EQUIPMENT DUCTING AND PIPING LAYOUT ALL ZONES
PHE	017203-U-SP-38-P-0002	CC-B4 DRAINAGE LAYOUT



S.NO	SYMBOL	TENDER SPEC.NO	DESCRIPTION	MOUNTING HEIGHT
1	SC1	94	HIGH PROFILE 5" CEILING SPEAKER	CEILING MOUNT

NOTES

GENERAL

1. THE BGM SPEAKER SHOWN IN THE DRAWING CONNECTED TO CC B1 BGM LAYOUT (DRAWING NO: 017203-L-SP-38-L-3005)

NOTES

GENERAL

1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED
2. EXACT ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH ENGINEERING IN CHARGE TO SUIT SITE CONDITIONS
3. PVC CONDUIT SHALL BE USED FOR EMBEDDED APPLICATION AND MS CONDUIT USED FOR OPEN APPLICATION
4. CONDUITS SHALL BE CONCEALED IN WALL/CEILING OR NON-FALLS CEILING AREA
5. SUSPENDED CONDUITS ARE TO BE USED, IF MORE THAN 3 CONDUITS RUN IN PARALLEL
6. CONDUITS SHOULD BE EQUIPPED WITH A PULL CORDS WITH SUITABLE TENSION POWER
7. PULL BOXES WITH SUITABLE SIZE SHOULD BE PROVIDED IN ALL PVC CONDUIT SECTIONS THAT ARE CONTAINING MORE THAN TWO 90 DEGREE BENDS
8. ALL DEVICES LOCATIONS AND ORIENTATION ARE INDICATIVE. EXACT LOCATION SHALL BE SHOWN IN THE DEM SHOP DRAWING.
9. THE EXACT CONDUIT/TRAY ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH THE ENGINEER IN CHARGE TO SUIT LEVEL AND SITE CONDITION
10. A MINIMUM SEPARATION DISTANCE 300MM SHALL BE MAINTAINED BETWEEN ETC CABLING
11. THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
12. PATHWAYS (CABLE TRAY/RACEWAY/CONDUITS) SHALL BE FILLED BY MAX 80%

DATA VOICE

1. CAN EX-4 PAIR, 23 AWG, UL/TP CABLE SHALL BE USED TO CONNECT RJ 45 DATA VOICE SOCKETS TO JACK PANEL
2. HORIZONTAL CABLES SHALL BE TERMINATED ON THE RJ 45 OUTLETS AT THE WORK AREA AND PATCH PANEL AT THE RACK IN NEAREST STR ROOM
3. HORIZONTAL CABLES SHALL BE TAKEN THROUGHOUT PVC CONDUITS / CABLE TRAY
4. THE WALL MOUNTED DATA SOCKETS FOR DIGITAL SIGNAGE SHALL BE ALIGNED AT A HEIGHT OF 1250/1300MM FROM PFL
5. TYPICAL HEIGHT FOR 55" AND 40" DISPLAYS FROM THE FLOOR LEVEL SHOULD BE RESPECTIVELY 1.35M AND 1.15 FEET FROM THE FINAL FLOOR LEVEL
6. AVERAGE INDIAN HUMAN HEIGHT CONSIDERED IS 5 FEET 4.9 INCHES AND ACCORDINGLY DISPLAY HEIGHTS FROM THE FLOOR LEVEL HAVE BEEN CALCULATED TO KEEP IT IN THE ACTIVE ATTENTION ZONE OF THE VIEWER

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Architectural Consultant
Proof Consultant
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 SECTOR 25, DWARKA, NEW DELHI, INDIA
 Drawing Status
GOOD FOR CONSTRUCTION (GFC)
 Drawing No: 017203-L-SP-38-LV-3001 Rev. No: R0

Title:
 CC PARKING_BACK GROUND MUSIC LAYOUT_B1 TO B4

EDRC DWG No: 017203-L-SP-38-LV-3001 **Scale:** As Indicate **Sheet Size:** A0