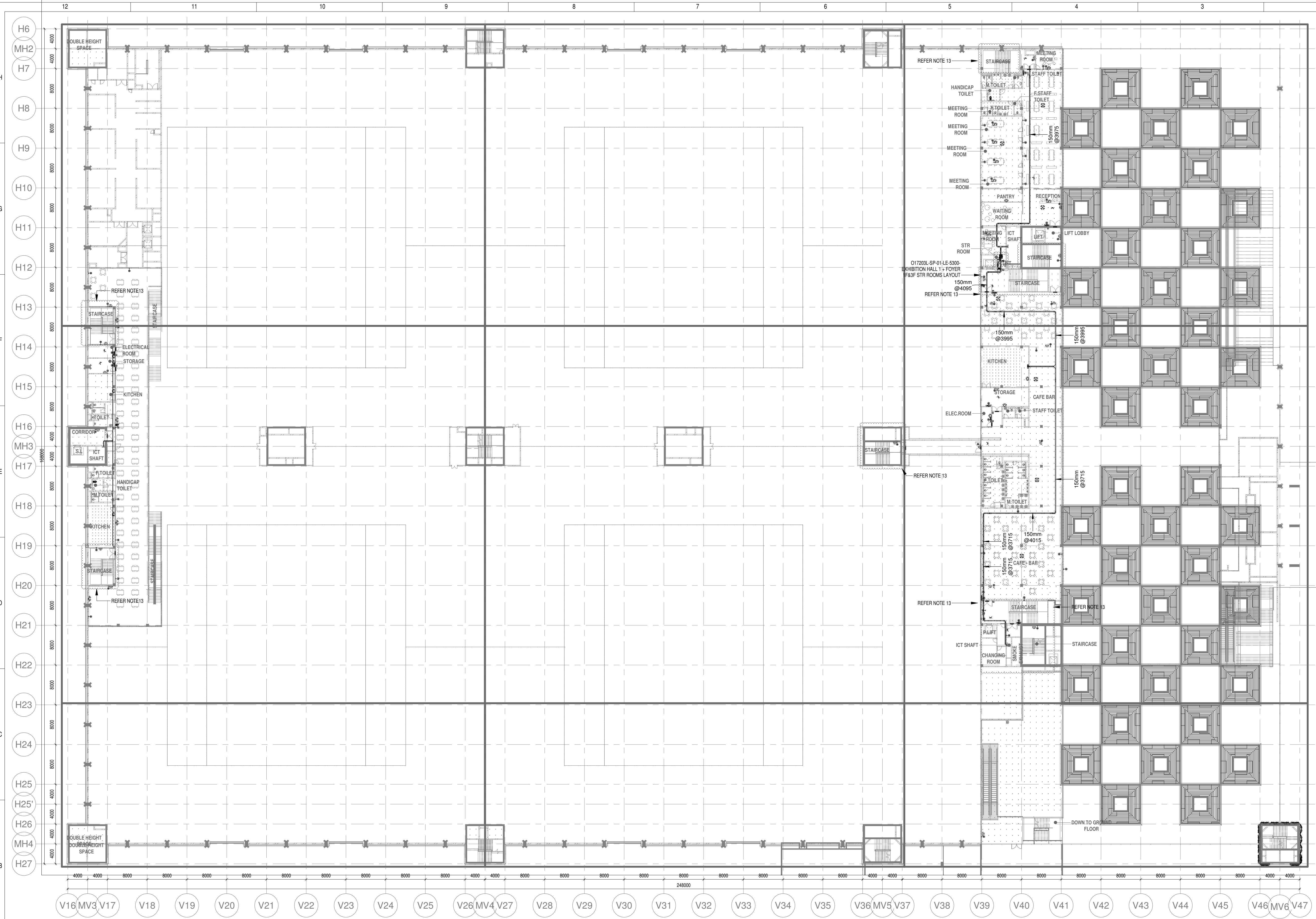


O17203 - L - SP - 01 - LV - 1100 (EXHIBITION HALL 1+ FOYER-1 FIRST FLOOR OVERALL ELV SYSTEM LAYOUT)



1 FIRST FLOOR OVERALL ELV LAYOUT
1 : 375

NOTES:

- GENERAL**
- 1.CONDUITS IN EXPOSED MS CONDUIT TO BE USED.
 2. OVER FALSE CEILING UNDER FLOOR OR EMBEDDED PVC CONDUITS TO BE USED
 3. ALL CONDUITS SHOULD BE EQUIPPED WITH A PULL CORDS WITH SUITABLE TENSION POWER.
 4. PULL BOXES WITH SUITABLE SIZE SHOULD BE PROVIDED IN ALL CONDUIT SECTIONS THAT ARE CONTAINING MORE THAN TWO 90 DEGREE BENDS.
 5. ALL DEVICES LOCATIONS AND ORIENTATION ARE INDICATIVE. EXACT LOCATION SHALL BE SHOWN IN THE OEM SHOP DRAWING.
 6. THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
 7. THE EXACT CONDUIT/ TRAY ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH THE ENGINEER INCHARGE TO SUIT LEVEL AND SITE CONDITION.
 8. A CABLE TRAY SUPPORT MUST ALSO BE PLACED WITHIN 0.60 METERS ON EACH SIDE OF ANY CONNECTION TO A FITTING.
 9. A MINIMUM SEPARATION DISTANCE OF 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
 11. ALL NETWORK/ACS CABLE TO BE CONNECTED IN STR ROOM
 12. FOR DIGITAL SIGNAGE SYSTEM, AV SYSTEM & BGM REFER AV SYSTEM LAYOUT.
 13. REFER STAIRCASE ELECTRICAL LIGHTING LAYOUT FOR ELV EQUIPMENTS LOCATIONS IN STAIRCASE
 14. ACCESS CONTROLLER TO BE PLACED ABOVE THE DOOR. SECURED SIDE INACCESSIBLE FROM PUBLIC.

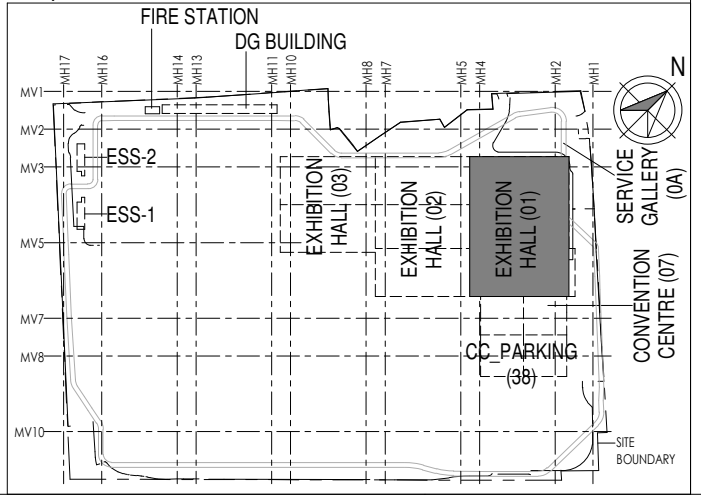
CCTV SYSTEM

1. FOR CCTV CAMERA, CAT6A CABLES SHALL BE USED. CABLES SHALL BE DRAWN THROUGH TRAY/20 mm MS CONDUITS UP RESPECTIVE NEARBY STR ROOM.
 2. POE EXTENDER IS USED FOR CAMERA LOCATION CROSSING 90m FROM RACKS IN STR ROOM
 3. THE CCTV CAMERA VIEW ANGLE TO BE SET AS PER THE COVERAGE LOCATION EX. ENTRANCE DOOR/RECEPTION ETC
 4. THE SHOWN CAMERAS 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**
1. ALL CABLES FROM CARD READER/MAGNETIC LOCK/DOOR CONTACT/PUSHBUTTON SHALL BE TERMINATED AT ACCESS CONTROL PANEL
 2. ACCESS CONTROL PANELS SHALL BE CONNECTED TO SWITCH LOCATED AT NEAR BY STR ROOM. BY CAT 6A UTP CABLE
 3. POWER POINT/ SOCKET FOR ALL THE ACCESS CONTROL PANELS. REFER ELECTRICAL POWER LAYOUT.
 4. DPS ARE CONNECTED TO RESPECTIVE ZONE INTRUSION ALARM CONTROLLER IN NEARBY STR ROOM

BMS

1. DDC PANELS ARE LOCATED AT 1500MM FROM FFL CENTER OF PANEL.
 2. TENTATIVE DIMENSIONS OF THE DDC PANEL IS SHOWN DEPENDS ON OEM.
 3. DDC CONTROLLER AND IO MODULE CONFIGURATION AS PER OEM SYSTEM DESIGN.
 4. LOCATION FOR THE SENSORS ARE SHOWN IN THE LAYOUT IS INDICATIVE.
 5. TYPE OF CABLE TO FIELD CONNECTIONS AS PER BMS CABLE SCHEDULE.
 6. THE MAIN INTEGRATION PROTOCOL SHALL BACNET OVER TCP/IP & BACNET OVER MSTP.
 7. REFER BGM LAYOUT FOR BGM SPEAKERS
- DAS**
1. THE DAS SYSTEM FOR MOBILE CARRIERS WILL BE DONE AFTER SITE SURVEY BY SPECIALIST ONCE STRUCTURE IS READY. AND EPCO WILL ENSURE THE DAS COVERAGE.

Key Plan



Owner / Employer

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DIP, Udyog Bhawan, New Delhi - 110011, India

Department of Industrial Policy and Promotion
Ministry of Commerce & Industry
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Knowledge Partner

Delhi Mumbai Industrial Corridor Development Corporation
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EPC Contractor

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Certification

R0					
ISSUED AS GOOD FOR CONSTRUCTION	31-07-2019	SP	PSY	MSK	GMR
REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD

Revisions

ARCHITECTURE			FPS		
STRUCTURAL			PIPING		
ELECTRICAL			PHE		
ELV SYSTEM			GIS		
HVAC			GEOTECH.		
CHECKED BY	SIGN	DATE	CHECKED BY	SIGN	DATE

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 01 1100

Rev. No
R0

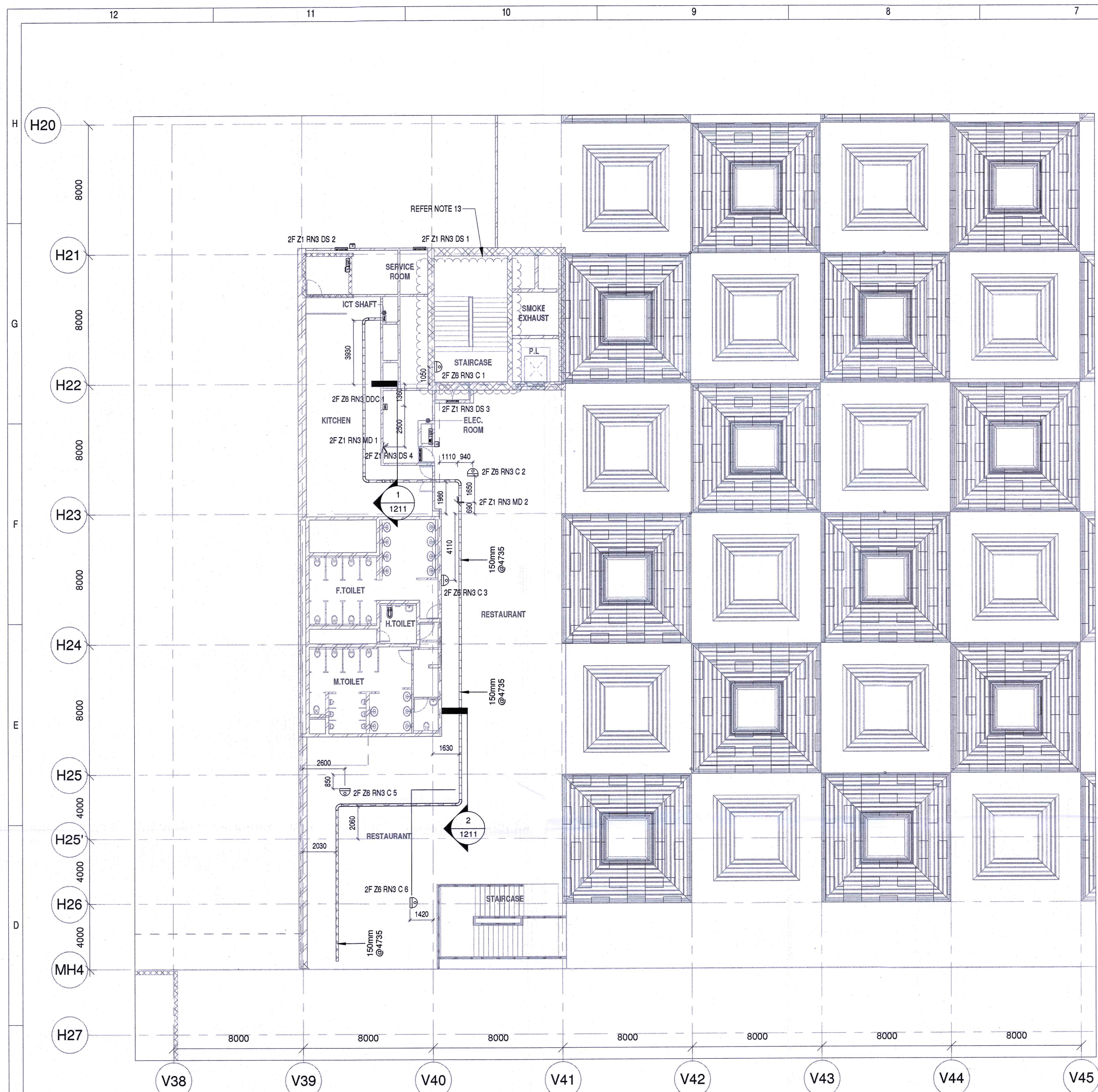
Title :
EXHIBITION HALL-01
EXHIBITION HALL 1+ FOYER-1 FIRST FLOOR OVERALL ELV SYSTEM LAYOUT

EDRC DWG No :
O17203 - L - SP - 01 - LV - 1100

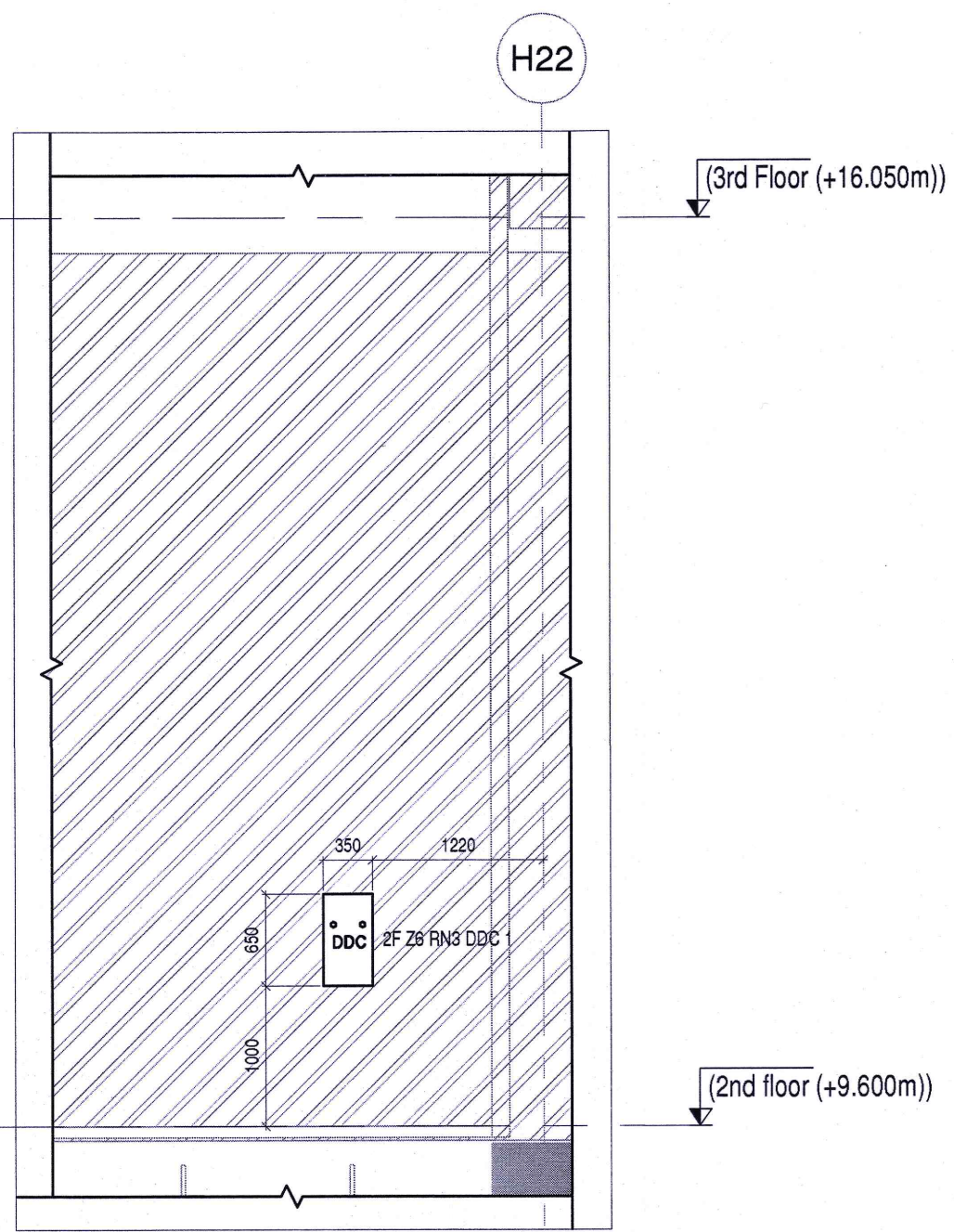
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Sheet Size
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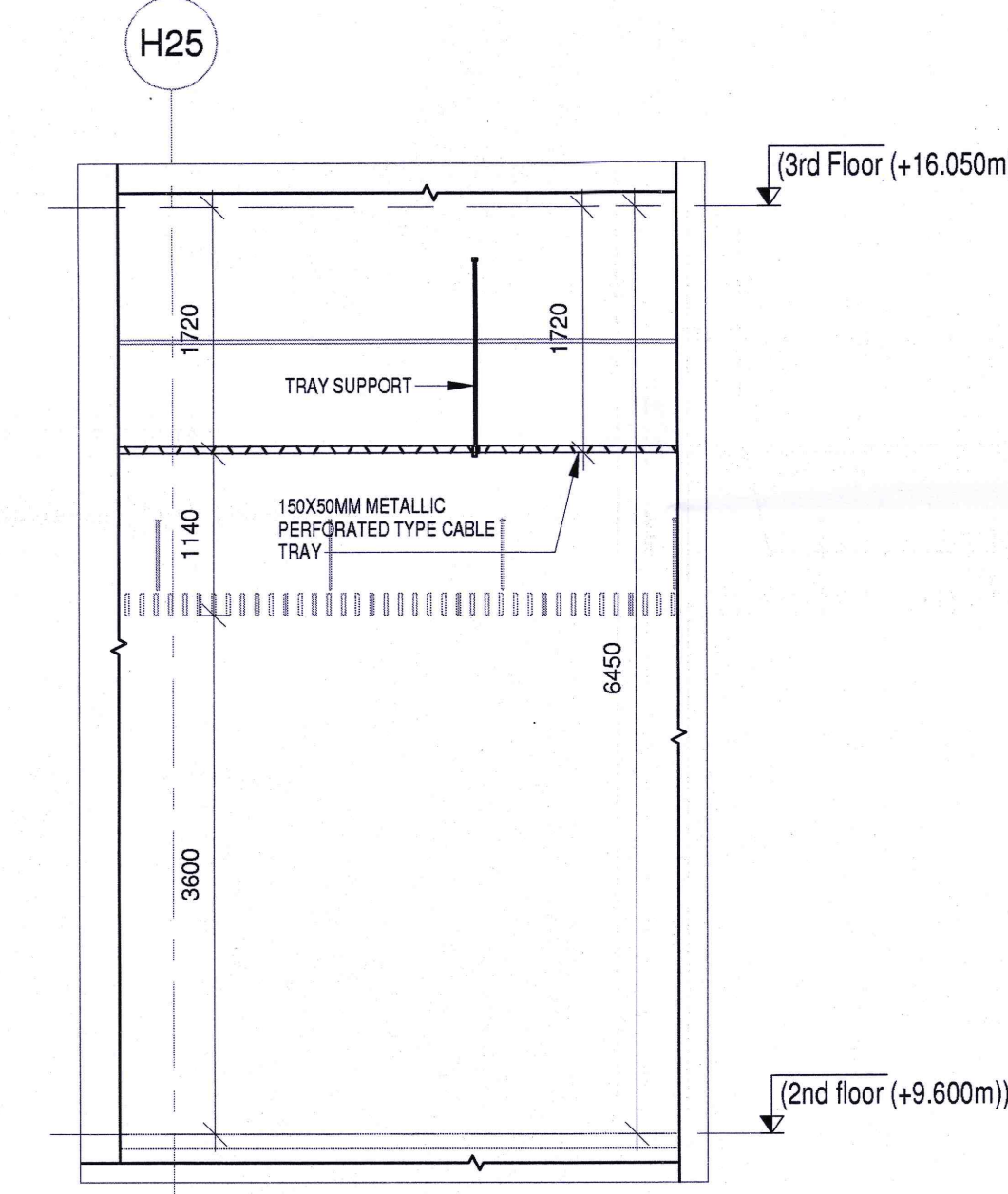
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2F ELV SYSTEM LAYOUT ZONE- 6 & 9
1 : 175



SECTION 1
1 : 50



SECTION 2
1 : 50

LEGENDS:

SL. NO.	SYMBOL	DESCRIPTION	FIXING LEVEL
1	[Symbol]	INDOOR FIXED DOME CAMERA	WALL / SURFACE MOUNTED
2	[Symbol]	LONG RANGE CAMERA	SURFACE MOUNTED
3	[Symbol]	DOOR POSITION SENSOR	ON DOOR
4	[Symbol]	EXIT PUSH BUTTON	1000mm ABOVE FFL
5	[Symbol]	MULTI TECHNOLOGY CARD READER	1000mm ABOVE FFL
6	[Symbol]	EMERGENCY DOOR RELEASE	1000mm ABOVE FFL
7	[Symbol]	MOTION DETECTOR	SURFACE MOUNTED
8	[Symbol]	300MM(WX50MM(H)) METALLIC PERFORATED TYPE CABLE TRAY	-
9	[Symbol]	150MM(WX50MM(H)) METALLIC PERFORATED TYPE CABLE TRAY	-
10	[Symbol]	DDC PANEL	1000mm ABOVE FFL

NOTES:

GENERAL

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ACCESS CONTROL SYSTEM

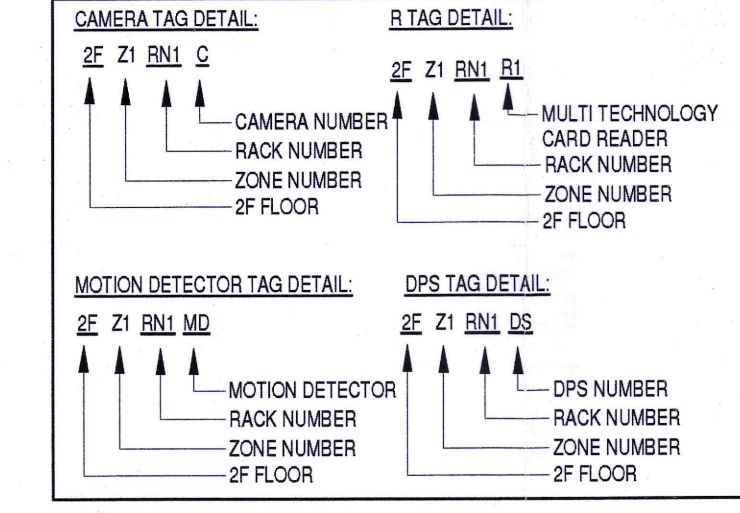
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7. REFER BGM LAYOUT FOR BGM SPEAKERS.

DAS

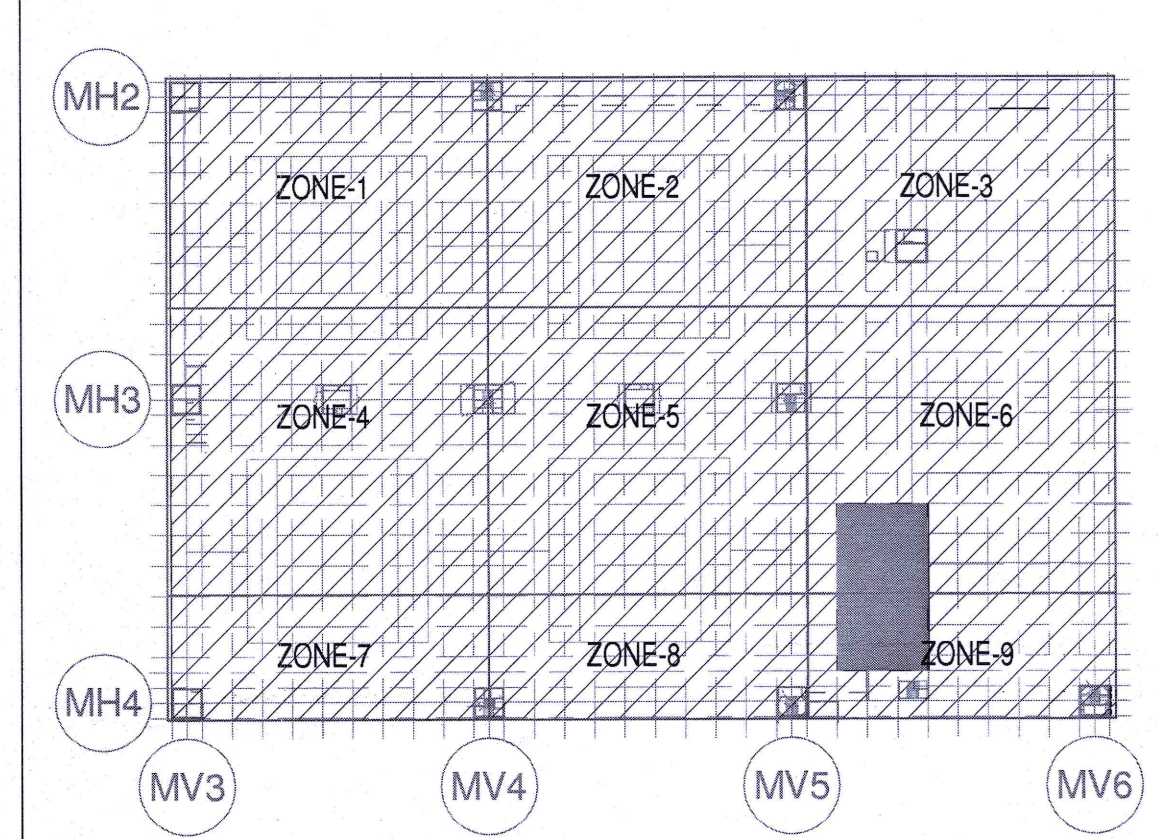
1. THE DAS SYSTEM FOR MOBILE CARRIERS WILL BE DONE AFTER SITE SURVEY BY SPECIALIST ONCE STRUCTURE IS READY AND EPC WILL ENSURE THE DAS COVERAGE.



ABBREVIATION

R	- MULTI TECHNOLOGY CARD READER
C	- CAMERA
MD	- MOTION DETECTOR
MC	- MAGNETIC CONTROL GATE
RN	- IT RACK
FB	- FLAP BARRIER
WB	- WIDE LANE BARRIER
DDC	- DIRECT DIGITAL CONTROLLER
ACP	- ACCESS CONTROL PANEL
DPS	- DOOR POSITION SENSOR
EPB	- EXIT PUSH BUTTON
EDR	- EMERGENCY DOOR RELEASE

ELV ZONE DEMARCATION



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Preliminary Engineering Architecture Consultants (PEAC)

idom

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EPC Contractor

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Reviewed GFC drawing prepared by [Signature] ensured that all [Signature] aspects and parameters have been adhered to.

PEAC

Signed on behalf of [Signature] Date: 09/08/2019

Issued by:
Employer's Engineer

RO

ISSUED AS GOOD FOR CONSTRUCTION

31-07-2019

SP

PYS

MSK

GHR

Revisions

REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
1	ARCHITECTURE					
2	STRUCTURAL					
3	ELECTRICAL					
4	ELV SYSTEM					
5	HVAC					

CHECKED BY

SIGN

DATE

CHECKED BY

SIGN

DATE

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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 01 1211

Rev. No

R0

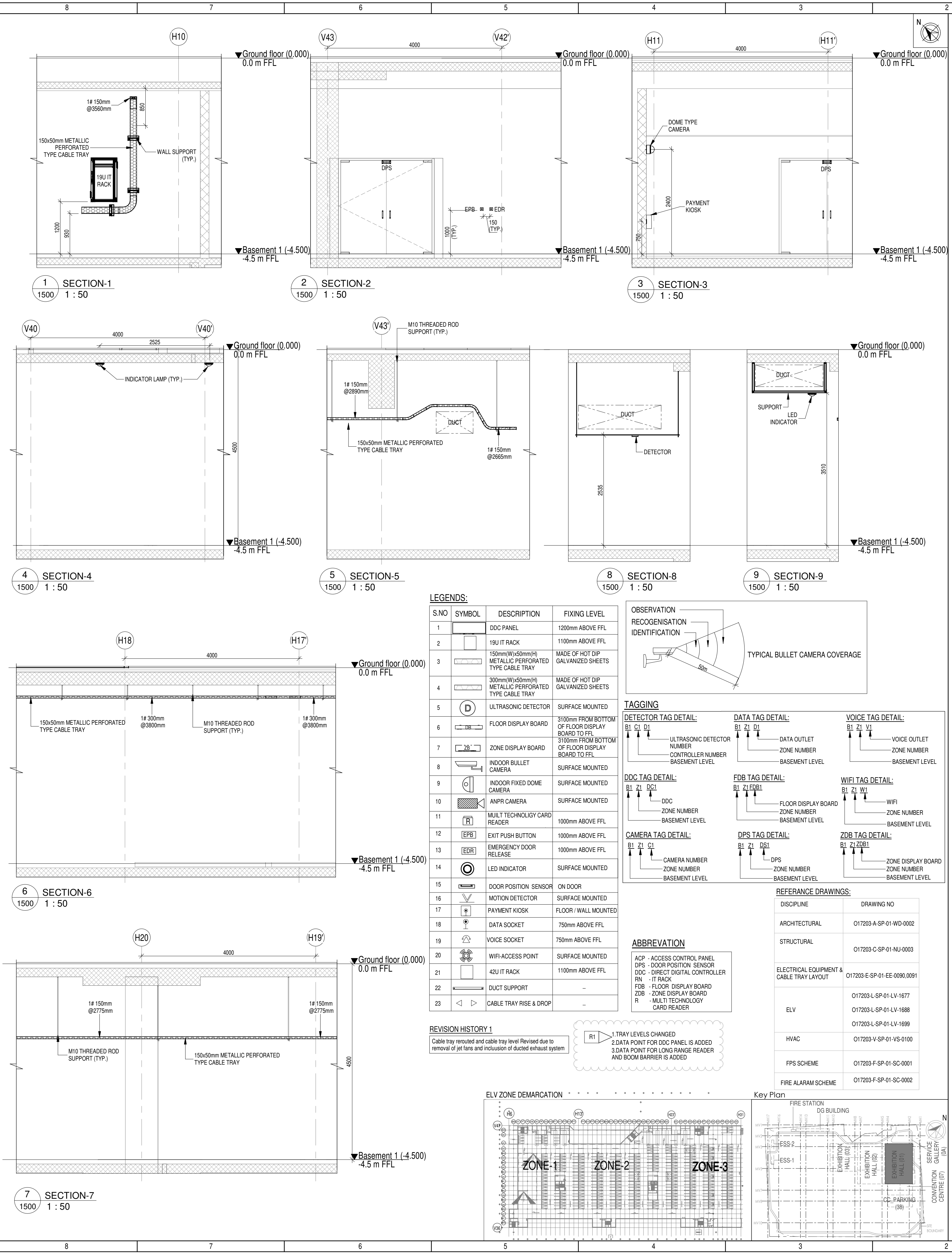
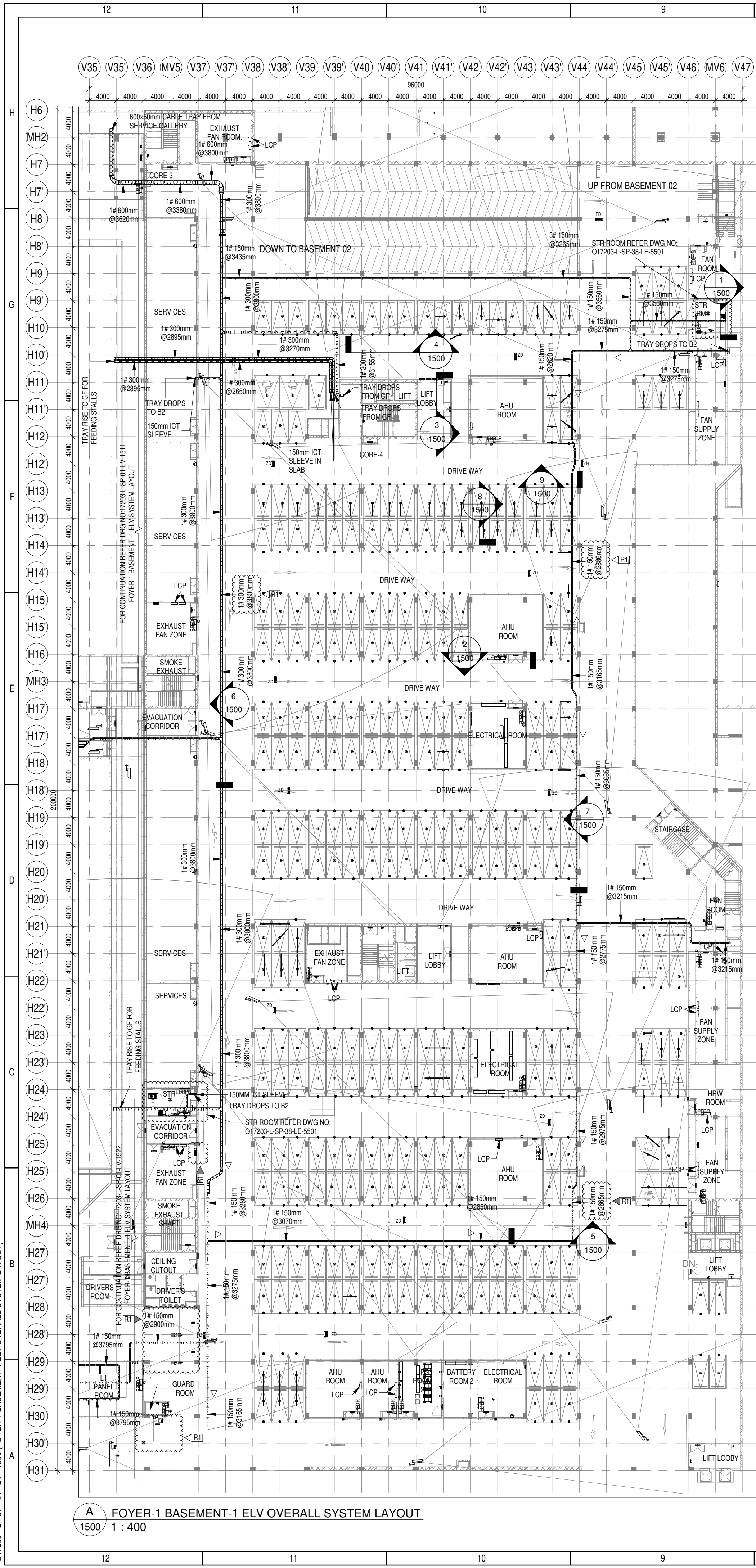
Title :

EXHIBITION HALL-01
EXHIBITION HALL 1+ FOYER-1 SECOND FLOOR OVERALL ELV SYSTEM LAYOUT

EDRC DWG No :
O17203 - L - SP - 01 - LV - 1211

Scale
As indicated

Sheet Size
A1



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

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Opp. Zenith Solutions, Gurgaon,
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#47/1, 3rd Floor, Narayana Arcade,
Subbaramachetty Road, Nellore Circle,
Basavanagudi, Bengaluru - 560004

Certification

EPC Contractor

Design Consultant

Architectural Consultant

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Structural **MEP** **ICT**

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REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R1	REVISED AS PER REVISION HISTORY-1 AND ISSUED AS GOOD FOR CONSTRUCTION	20.05.19	SP	BAS	MSK	GMR

Revisions

ARCHITECTURE	PPS
STRUCTURAL	PIPING
ELECTRICAL	PHE
ELV SYSTEM	GIS
HVAC	GEOTECH.

CHECKED BY	SIGN	DATE	CHECKED BY	SIGN	DATE

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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 **Rev. No**

L	01	1500	R1

Title :
EXHIBITION HALL-1
FOYER-1 BASEMENT-1 ELV OVERALL SYSTEM LAYOUT

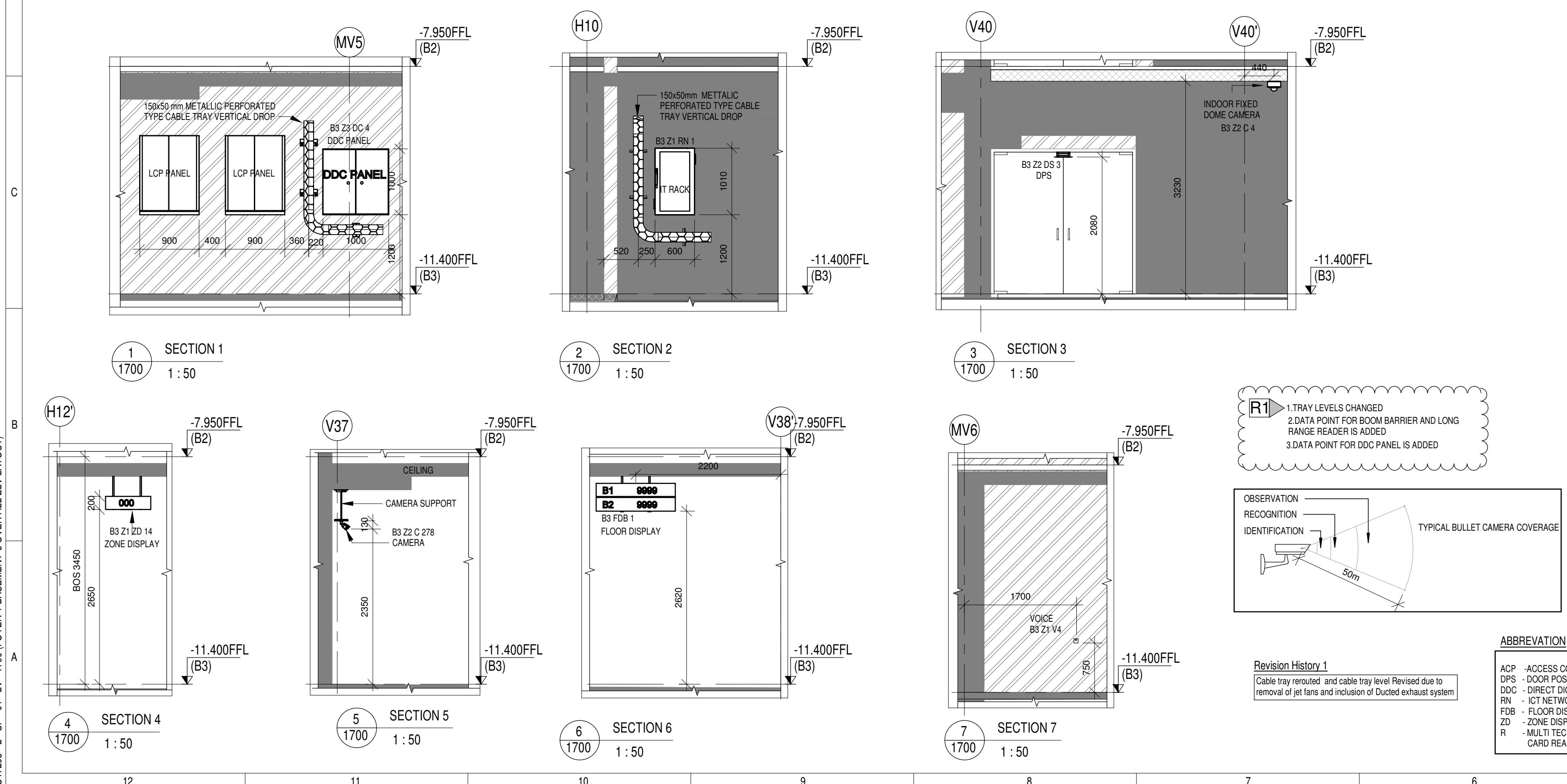
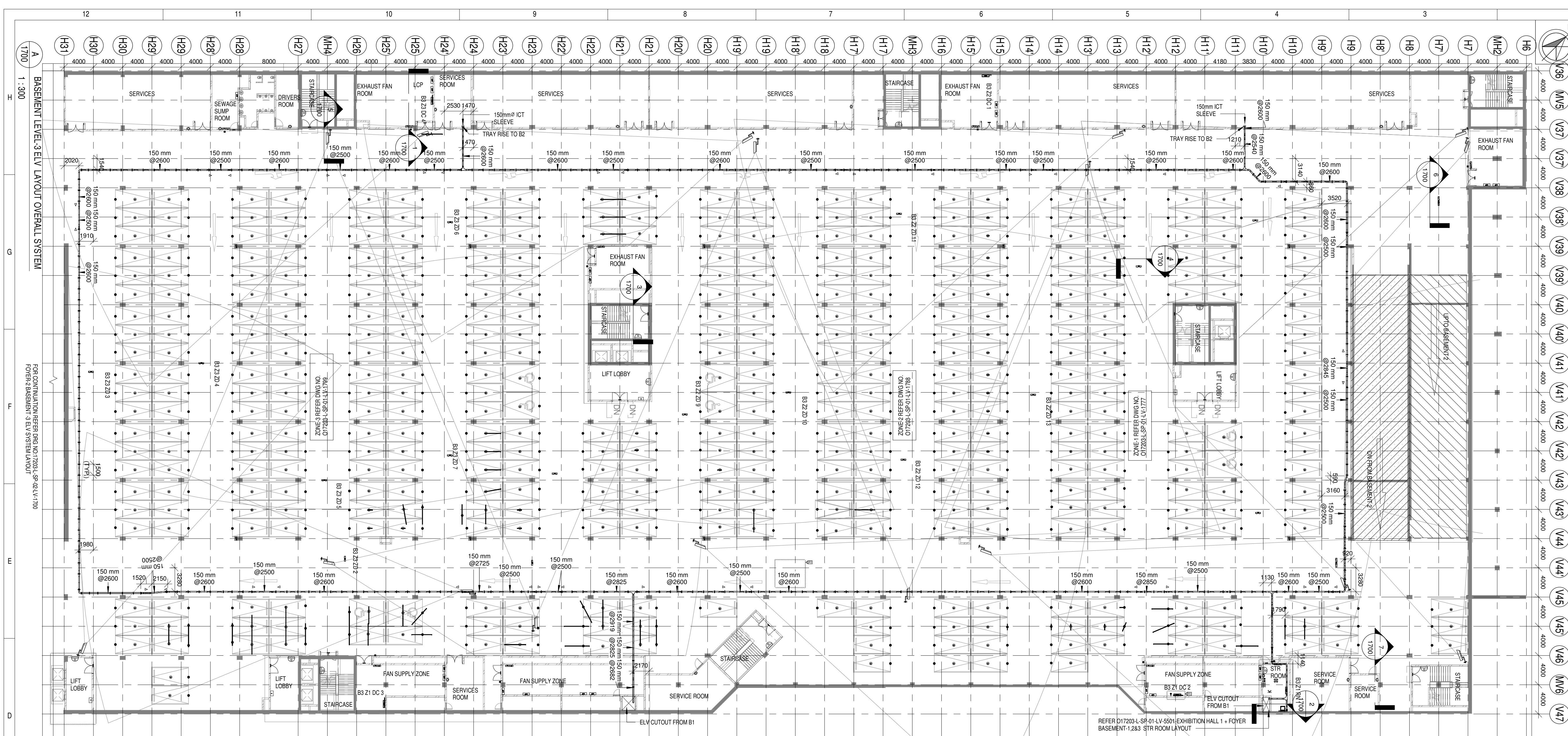
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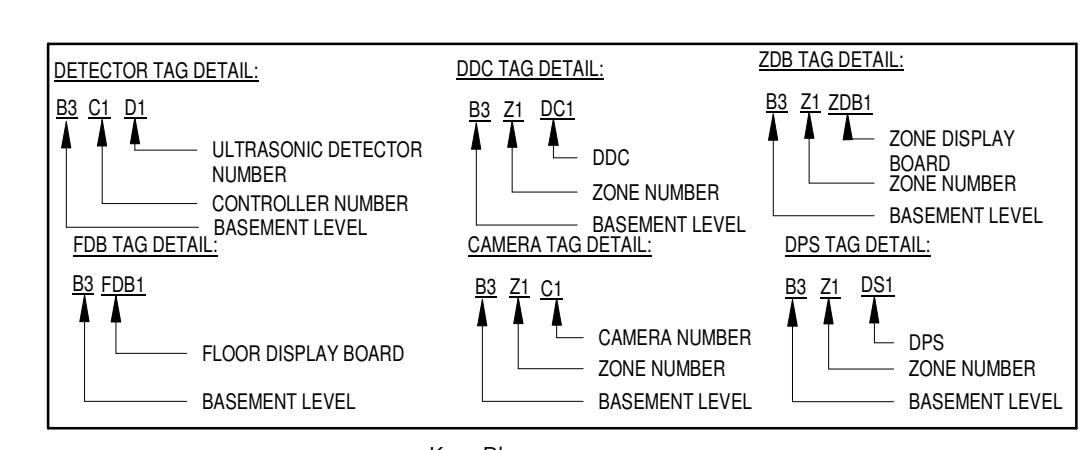
017203 - L - SP - 01 - LV - 1500 (FOYER-1 BASEMENT-1 ELV OVERALL SYSTEM LAYOUT)

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LEGENDS:			
SL. NO.	SYMBOL	DESCRIPTION	FIXING LEVEL
1	DDC	DDC PANEL	1200mm FROM FFL
2	19 U IT RACK	19 U IT RACK	1200mm FROM FFL
3	150(W)x50mm(H) METALLIC PERFORATED TYPE CABLE TRAY	MADE OF HOT DIP GALVANISED SHEETS	
4	D	ULTRASONIC DETECTOR	SURFACE MOUNTED
5	LED	LED INDICATOR	SURFACE MOUNTED
6	ICD	INDOOR FIXED DOME CAMERA	SURFACE MOUNTED
7	BC	BULLET CAMERA	SURFACE MOUNTED
8	EDR	EXIT PUSH BUTTON	1000mm FROM FFL
9	EPB	EMERGENCY DOOR RELEASE	1000mm FROM FFL
10	RT	MULTI TECHNOLOGY CARD READER	1000mm FROM FFL
11	FDB	FLOOR DISPLAY BOARD	3100mm FROM BOTTOM OF FLOOR DISPLAY BOARD TO FFL
12	ZB	ZONE DISPLAY BOARD	3100mm FROM BOTTOM OF ZONE DISPLAY BOARD TO FFL
13	DP	DOOR POSITION SENSOR	ON DOOR
14	PK	PAYMENT KIOSK	FLOOR / WALL MOUNTED
15	VS	VOICE SOCKET	750mm FROM FFL
16	DS	DATA SOCKET	750mm FROM FFL
17	WAP	WIFI ACCESS POINT	SURFACE MOUNTED
18	MD	MOTION DETECTOR	SURFACE MOUNTED
19	DS	DUCT SUPPORT	
20	TR	CABLE TRAY RISE & DROP	ELV ZONE DEMARCATION

REFERENCE DRAWINGS:	
DISCIPLINE	DRAWING NO
ARCHITECTURAL	O17203-A-SP-01-WD-0001
STRUCTURAL	O17203-C-SP-01-NU-0002
ELECTRICAL EQUIPMENT & CABLE TRAY LAYOUT	O17203-E-SP-01-EE-0008,0089
ELV	O17203-L-SP-01-LV-1777 O17203-L-SP-01-LV-1788 O17203-L-SP-01-LV-1799
HVAC	O17203-V-SP-01-VS-1700
FPS SCHEME	O17203-F-SP-01-SC-0001
FIRE ALARM SCHEME	O17203-F-SP-01-SC-0002



REVISION HISTORY	
1	TRAY LEVELS CHANGED
2	DATA POINT FOR BOOM BARRIER AND LONG RANGE READER IS ADDED
3	DATA POINT FOR DDC PANEL IS ADDED

ABBREVIATION	
ACP	ACCESS CONTROL PANEL
DPS	DOOR POSITION SENSOR
DDC	DIRECT DIGITAL CONTROLLER
RN	ICT NETWORK RACK
FDB	FLOOR DISPLAY BOARD
ZD	ZONE DISPLAY BOARD
R	MULTI TECHNOLOGY CARD READER

Owner / Employer

India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry,
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Department of Industrial Policy and Promotion Ministry of Commerce & Industry Government of India

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Architectural Consultant

Proof Consultant

Structural	MEP	ICT
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PEAC

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Employer / Employer's Engineer

REVISED AS PER REVISION	26-04-2019	SP	PSY	MSK	GMR
HISTORY-1 AND ISSUED AS GOOD FOR CONSTRUCTION	DATE	DSGN	DRWN	CHKD	APPD

Revisions

ARCHITECTURE	FPS				
STRUCTURAL	PIPING				
ELECTRICAL	PHE				
ELV SYSTEM	GIS				
HVAC	GEOTECH.				
CHECKED BY	SIGN	DATE	CHECKED BY	SIGN	DATE

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 01 1700

Rev. No
R1

Title:
FOYER-1 BASEMENT-3 OVER ALL ELV LAYOUT

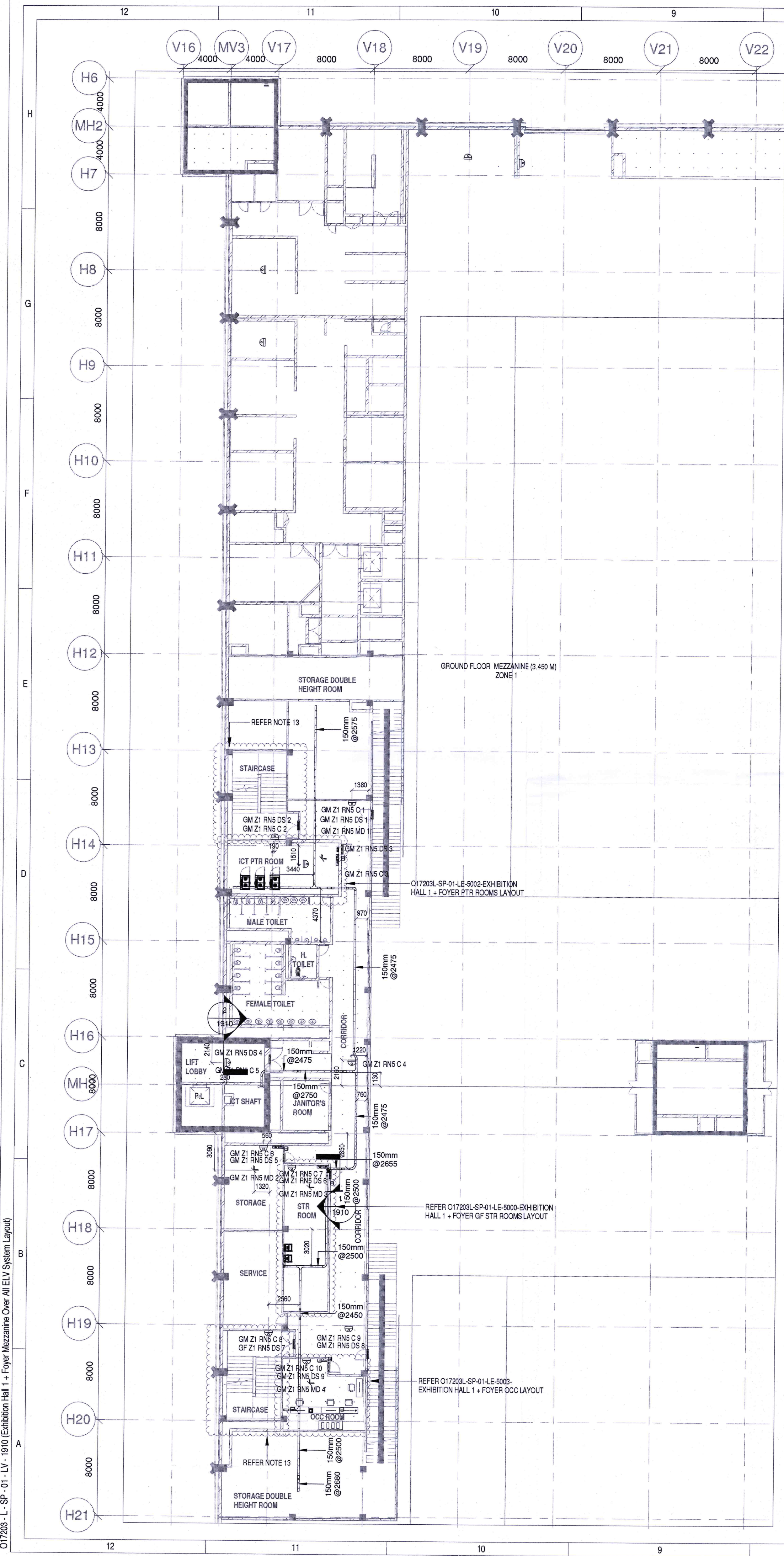
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Scale
As indicated

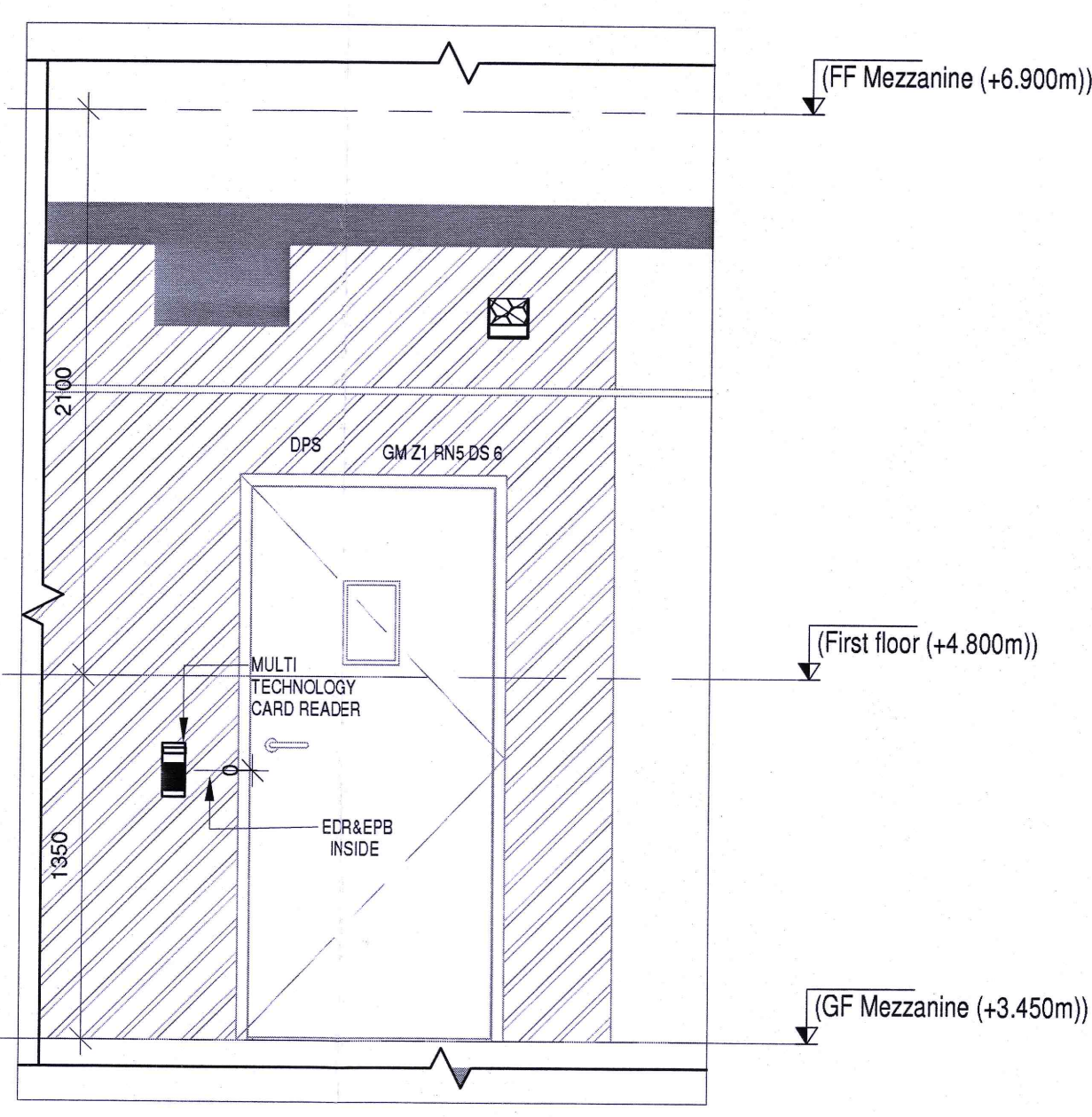
Sheet Size
A1

O17203-L-SP-01-LV-1700 (FOYER-1 BASEMENT-3 OVER ALL ELV LAYOUT)

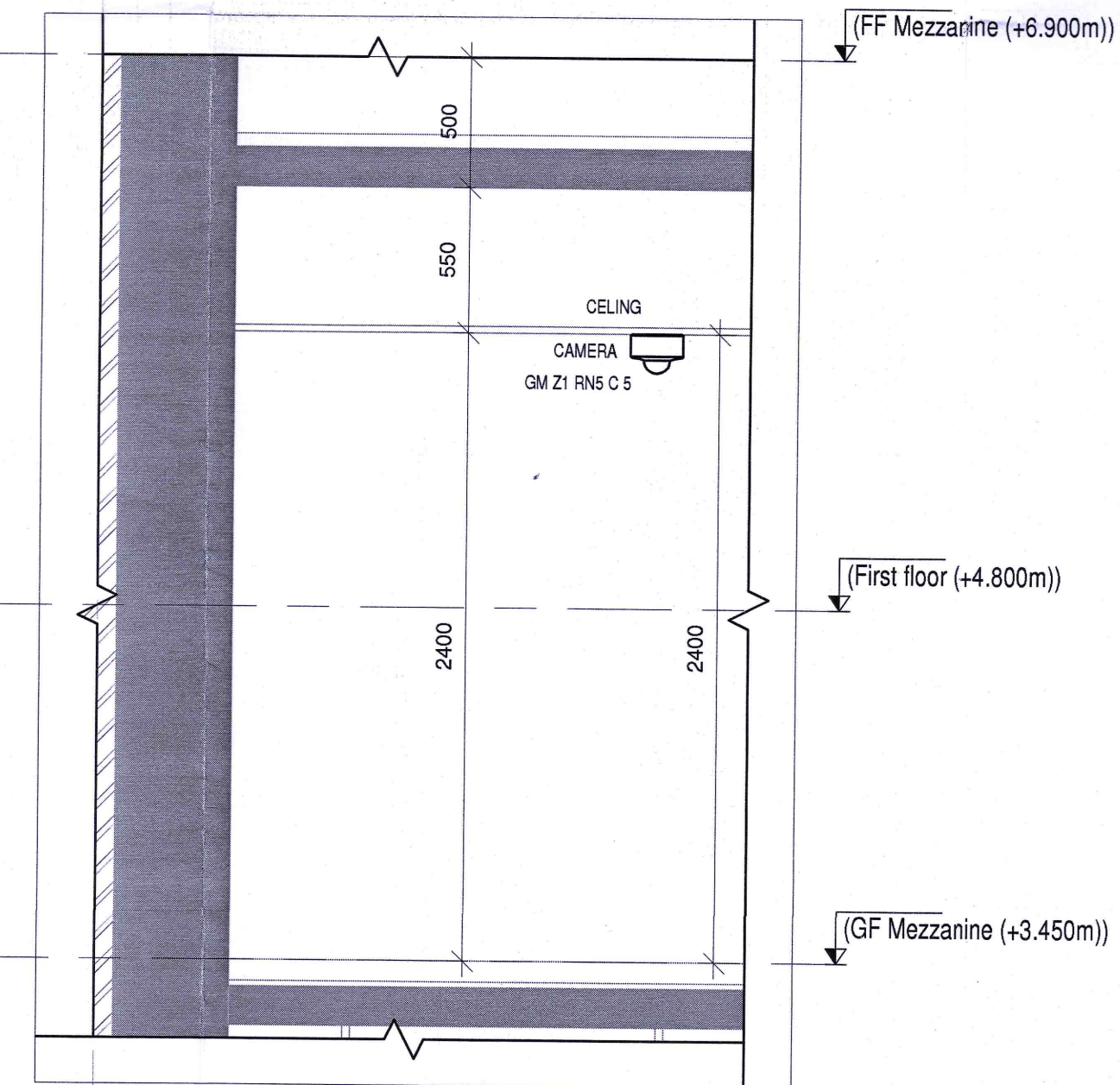
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GF MEZZANINE ELV SYSTEM LAYOUT
1910 1:225



SECTION 1
1910 1:25



SECTION 2
1910 1:25

LEGENDS:

SL NO	SYMBOL	DESCRIPTION	FIXING LEVEL
1	[Symbol]	INDOOR FIXED DOME CAMERA	WALL / SURFACE MOUNTED
2	[Symbol]	DOOR POSITION SENSOR	ON DOOR
3	[Symbol]	EXIT PUSH BUTTON	1000mm ABOVE FFL
4	[Symbol]	MULTI TECHNOLOGY CARD READER	1000mm ABOVE FFL
5	[Symbol]	EMERGENCY DOOR RELEASE	1000mm ABOVE FFL
6	[Symbol]	MOTION DETECTOR	SURFACE MOUNTED
7	[Symbol]	ACCESS CONTROL PANEL	WALL MOUNTED
8	[Symbol]	42 U ICT NETWORK RACK	SURFACE MOUNTED
9	[Symbol]	19 U ICT NETWORK RACK	WALL MOUNTED
10	[Symbol]	300MM(W)X100MM(H) METALLIC PERFORATED TYPE CABLE TRAY	
11	[Symbol]	150MM(W)X50MM(H) METALLIC PERFORATED TYPE CABLE TRAY	

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 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 INCHARGE TO SUIT LEVEL AND SITE CONDITION.
- A CABLE TRAY SUPPORT MUST ALSO BE PLACED WITHIN 0.80 METERS ON EACH SIDE OF ANY CONNECTION TO A FITTING.
- A MINIMUM SEPARATION DISTANCE OF 300MM AND SHOULD BE KEPT PHYSICALLY BETWEEN LIGHT CURRENT CABLES AND MEDIUM VOLTAGE CABLES.
- METALLIC PERFORATED TYPE HOT DIP GALVANIZED CABLE TRAY FOR ICT.
- ALL NETWORKING CABLES TO BE CONNECTED IN STR ROOM.
- FOR DIGITAL SINE SYSTEM, AV SYSTEM & BGM REFER AV SYSTEM LAYOUT.
- REFER STAIRCASE ELECTRICAL LIGHTING LAYOUT FOR ELV EQUIPMENTS LOCATIONS IN STAIRCASE (REFER DRAWING NO O17203-SP-01-LV-148-TO-150).
- ACCESS CONTROLLER TO BE PLACED ABOVE THE DOOR- SECURED SIDE INACCESSIBLE FROM PUBLIC.

CCTV SYSTEM

- FOR CCTV CAMERA, CAT6A CABLES SHALL BE USED. CABLES SHALL BE DRAWN THROUGH TRAY/20 mm MS CONDUITS UP RESPECTIVE NEARBY STR ROOM.
- PCE 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 CAMERAS 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.
- 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

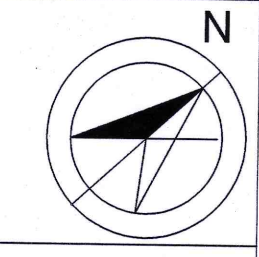
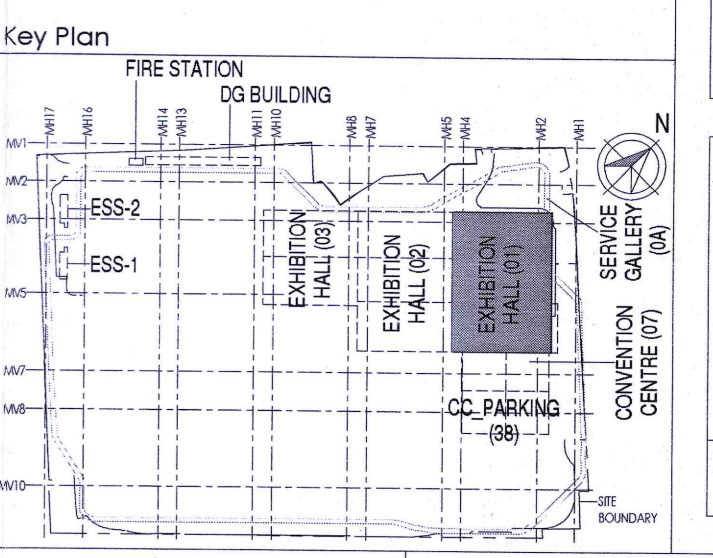
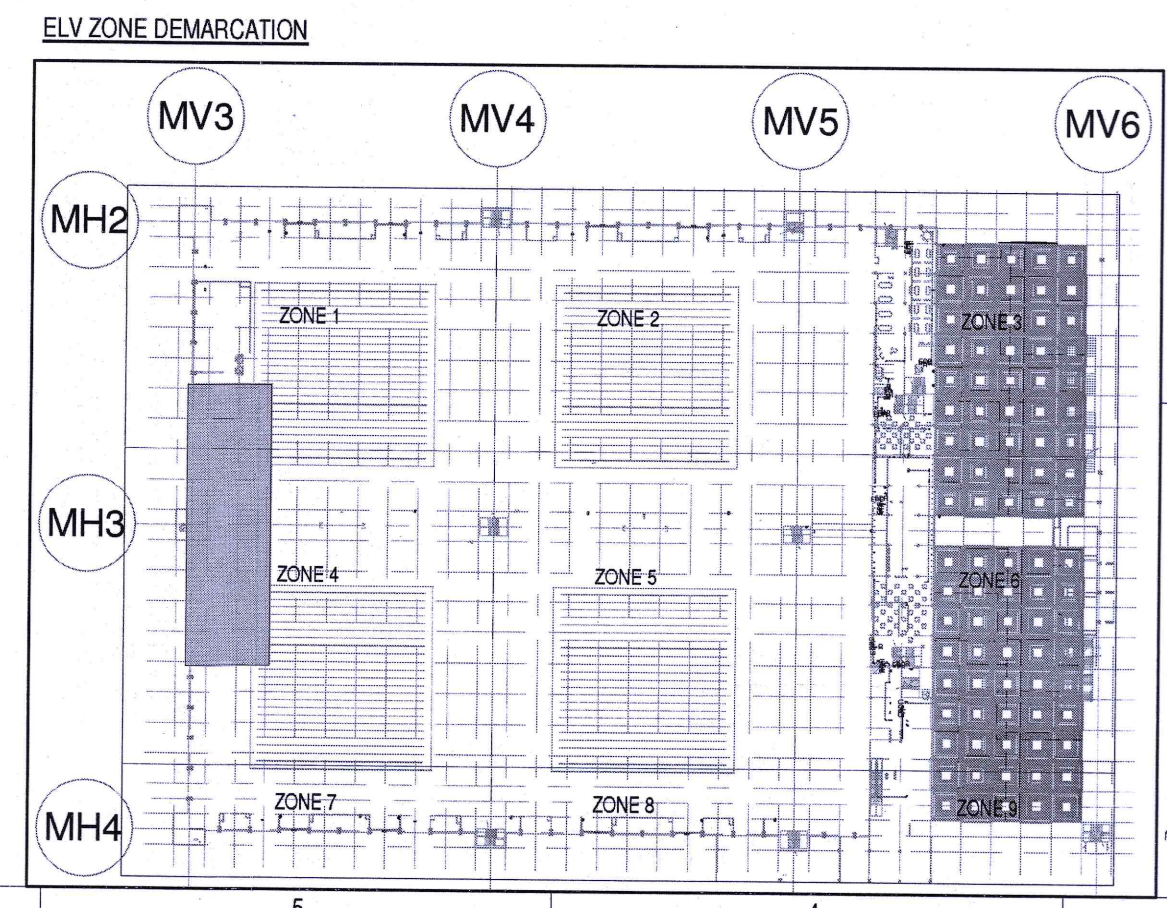
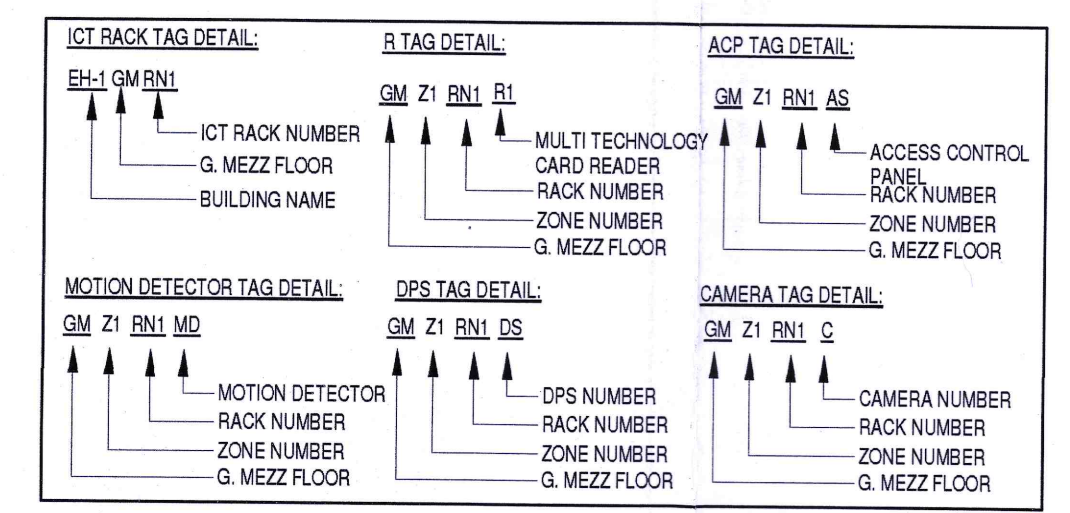
- DDC PANELS ARE LOCATED AT 1500MM FROM FFL CENTER OF PANEL.
- TENTATIVE DIMENSIONS OF THE DDC PANEL IS SHOWN DEPENDS ON OEM.
- DDC CONTROLLER AND IO MODULE CONFIGURATION AS PER OEM SYSTEM. 55.5G.
- LOCATION FOR THE SENSORS ARE SHOWN IN THE LAYOUT IS INDICATIVE.
- TYPE OF CABLE TO FIELD CONNECTIONS AS PER BMS CABLE SCHEDULE.
- THE MAIN INTEGRATION PROTOCOL, SHALL BACKUP OVER TCP/IP & BACKUP OVER MSTP.
- REFER BGM LAYOUT FOR BGM SPEAKERS.

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.

ABBREVIATION

R - MULTI TECHNOLOGY CARD READER
C - CAMERA
MD - MOTION DETECTOR
MC - MAGNETIC CONTROL GATE
RN - IT RACK
FB - FLAP BARRIER
WB - WIDE LANE BARRIER
DDC - DIRECT DIGITAL CONTROLLER
ACP - ACCESS CONTROL PANEL
DPS - DOOR POSITION SENSOR
EPB - EXIT PUSH BUTTON
EDR - EMERGENCY DOOR RELEASE



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Preliminary Engineering Architecture Consultants (PEAC)
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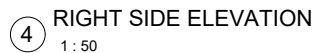
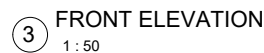
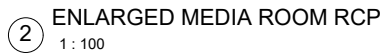
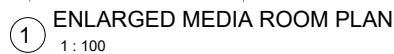
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Reviewed GFC drawings prepared by Contractor and ensured that all safety aspects and parameters are taken care of.
09/04/2019
Employer's Engineer

ISSUED AS GOOD FOR CONSTRUCTION
REV DESCRIPTION DATE DSGN DRWN CHKD APPD
Revisions
ARCHITECTURE FPS
STRUCTURAL PIPING
ELECTRICAL PHE
ELV SYSTEM GIS
HVAC GEOTECH
CHECKED BY SIGN DATE CHECKED BY SIGN DATE

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L&T Construction
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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
Drawing No L 01 1910 Rev. No R0
Title
EXHIBITION HALL-01
Exhibition Hall 1 + Foyer Mezzanine Over All ELV System Layout
EDRC DWG No : O17203 - L - SP - 01 - LV - 1910 Scale As indicated Sheet Size A1



NOTES

1. THE ASV SYSTEM REQUIREMENTS CAPTURED ARE IN ACCORDANCE WITH THE RFP DOCUMENT SD ECC PEAC_XB_ELV_X XX RP_003_04. ASV SYSTEM DESCRIPTION

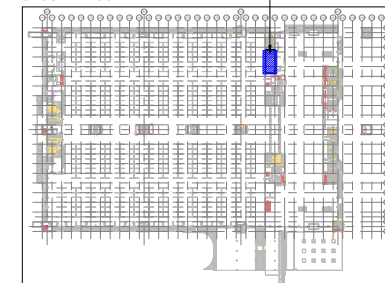
2. THE ASV SYSTEM REQUIREMENTS FOR THE CONFORMANCE ROOM IS ARE AS PER 100PAX / MEDIA ROOM ASV REQUIREMENT IN THE ABOVE SAID DOCUMENT.

3. FURNITURE LAYOUT IS INDICATIVE (SHOULD BE MENTIONED IN NOTES AREA) AS FURNITURE IS NOT IN THE SCOPE OF EPCC. HOWEVER, DRAWING WILL BE REVISD IN SHOP DRAWING STAGE BASED ON APPROVED FURNITURE LAYOUT.

4. THIS ITEM(S) INDICATED IN DRAWING WITH CLOUD OR *ASTERISK (*) MARK IS UNDER CONTINUED DISAGREEMENT WITH REGARD TO SCOPE OF WORK. DESIGN IS PROVIDED TO CONCLUDE THE ENGINEERING PACKAGE.

ABBREVIATION LEGEND	
RJ45	LAN
RJ45P	LAN WITH POE
6/16 UPR	6/16 AMP POWER MULTI-REGION SOCKET

GROUND FLOOR PART PLAN



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Programme Management Consultant (PMC)

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Av. Del Monteleone de El Escorial, 4,
28049 Madrid, Spain

No.D-1, Ashwini Building, Green Park,
New Delhi, Delhi 110014, India

EPC Contractor

L&T Construction

Building with Passion

Mount Poonamallee Road, Marolliapattinam,
P.O. Madhavaram, Chennai - 600 089

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L&T Construction - Buildings & Facilities

Architectural Consultant
Arcop Associates Pvt. Ltd.
A-15, Pampore Enclave, G.D.K.I.
New Delhi, Delhi 110046, India

Structural Proof Consultant

Indian Institute of Technology (IIT) Madras
Senior Project Officer to the C. U.I., Adyar, Chennai,
Tamil Nadu 600 036

MEP Proof Consultant

Egis India Consulting Engineers Pvt. Ltd.
Plot No. 44, Sector 32 Institutional Area,
Opp. Jyoti's Solutions, Gurgaon,
Haryana 122001

ICT Proof Consultant

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AUTHOR

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ARCHITECTUREIPS

STRUCTURALPNPG

ELECTRICALPIE

ENVIRONMENTGE

HYDRAGE/ECB

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SIGN

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JOB No. : OI7203

Project Name

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CENTRE

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Detailed Status

DETAILED DESIGN DEVELOPMENT (DDT)

Drawing No.

Rev.

L013010

R0A1

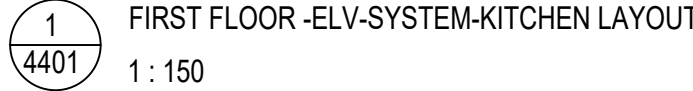
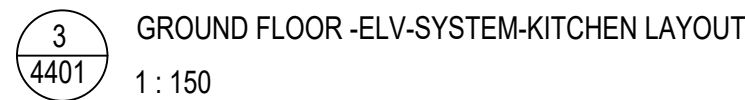
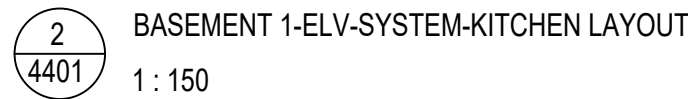
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ENLAREGD MEDIA ROOM LAYOUTS &
ELEVATIONS

EDRC DWG No. :
OI7203 - AV - 1000

Scale
As indicated

Sheet Size
A1



NOTES:

GENERAL

- 1. PVC CONDUITS SHALL BE CONCEALED IN WALL/CILING IN NON-FIRE RATED CEILING AREA.
- 2. SUSPENDED MDS CONDUITS ARE TO BE USED IF MORE THAN 3 CONDUITS RUN IN PARALLEL.
- 3. ALL CONDUITS SHOULD BE EQUIPPED WITH A PULL RODS WITH SUITABLE TENSION POWER.
- 4. PULL BOXES WITH SUITABLE SIZE SHOULD BE PROVIDED IN ALL PULL CONDUIT SECTIONS THAT ARE CONTAINING MORE THAN TWO 90 DEGREE BENDS.
- 5. ALL DEVICES LOCATIONS AND ORIENTATION ARE INDICATIVE. EXACT LOCATION SHALL BE SHOWN IN THE OEM SHOP DRAWING.
- 6. THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
- 7. THE EXACT CONDUIT/TRAFFY ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH THE ENGINEER IN CHARGE TO SUIT LEAD AND SITE CONDITION.
- 8. A CABLE TRAFFY SUPPORT MUST ALSO BE PLACED WITHIN 0.60 METERS ON EACH SIDE OF ANY CONNECTED 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 TRAFFY FOR ICT.
- 11. REFER STAIRCASE CABLES LIGHTING LAYOUT FOR ELV EQUIPMENT'S LOCATIONS IN STAIRCASE.
- 12. ACCESS CONTROLLER TO BE PLACED ABOVE THE DOOR- SECURED SPACE INACCESSIBLE FROM PUBLIC.

CCTV SYSTEM

- 1. FOR CCTV CAMERA, CAT6A CABLES SHALL BE USED, CABLES SHALL BE DRAWN THROUGH TRAFFY/ DUCTS WITH 10% 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 DEMONSTROR FOR JUSTIFYING CHOSEN CAMERA TYPE, LENS TYPE ETC

ACCESS CONTROL SYSTEM

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

BMS

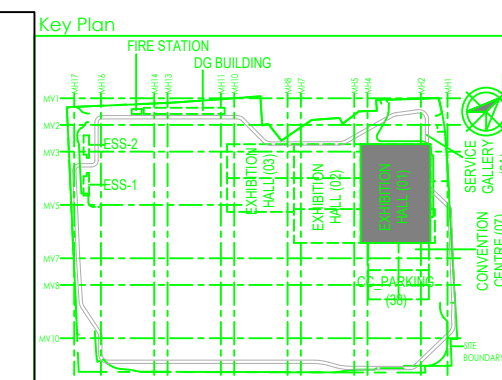
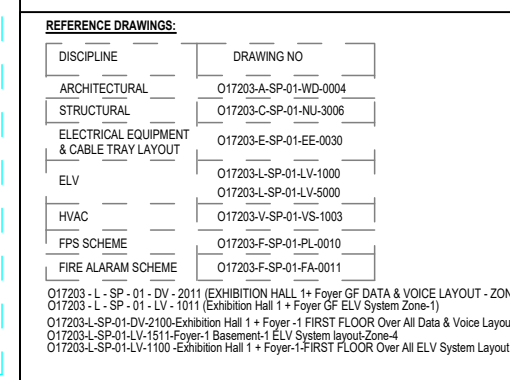
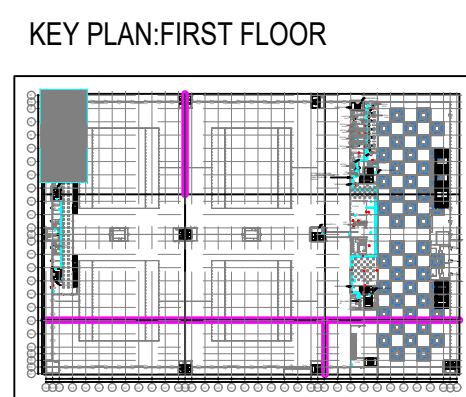
- 1. TENTATIVE DIMENSIONS OF THE DDC PANEL IS SHOWN DEPENDS ON OEM.
- 2. DDC CONTROLLER AND IO MODULE CONFIGURATION AS PER OEM SYSTEM DESIGN.
- 3. LOCATION FOR THE SENSORS FOR ALL THE DDC PANELS IS INDICATIVE.
- 4. TYPE OF CABLE TO FIELD CONNECTIONS AS PER BMS CABLE SCHEDULE.
- 5. THE MAIN INTEGRATION PROTOCOL SHALL BACNET OVER TCP/IP & BACNET OVER MSTP.

DATA VOICE

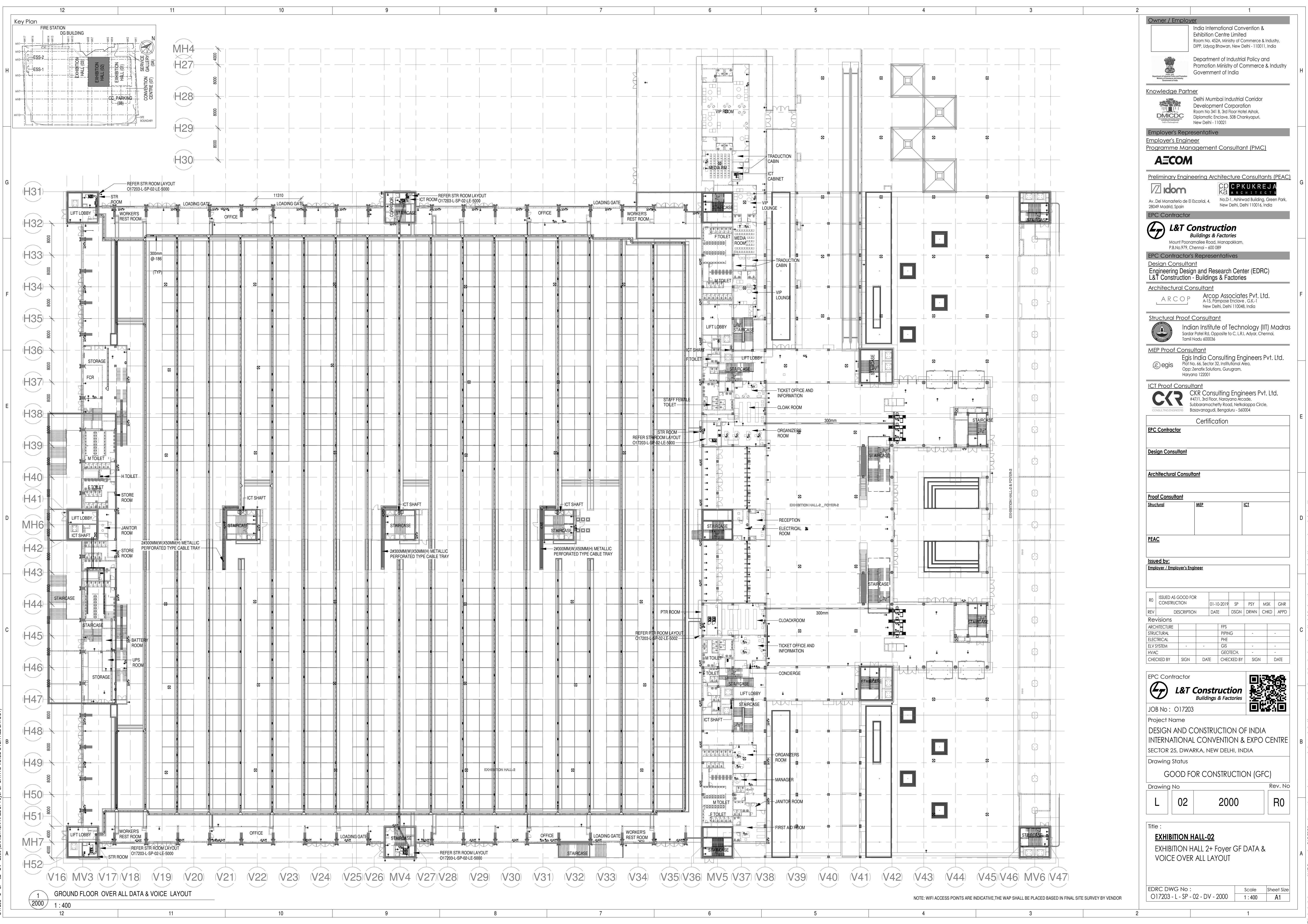
- 1. 4 PAIR 23 AWG CAT6A UTP CABLE TO BE USED TO CONNECT RJ 45 DATA/VOICE SOCKETS TO JACK PANEL.
- 2. WHEREVER POWER AND LV CABLES ARE RUNNING IN PARALLEL, THEY SHALL BE SEPARATED BY A DISTANCE OF MINIMUM 300MM.
- 3. AREAS AND MEP ROOMS CABLES TO DATA & VOICE SHALL BE TAKEN FROM CEILING CONDUIT
- 4. ALL WALL MOUNTED TELEPHONE / DATA SOCKETS COULD BE ALIGNED AT A HEIGHT OF 750MM FROM FFL UNLESS AND OTHERWISE SPECIFIED. SOAKETS ABOVE COUNTER SLABS TO BE MOUNTED AT A HEIGHT OF 900MM FROM FFL UNLESS OTHERWISE SPECIFIED. SOCKETS TO BE MOUNTED AT A HEIGHT OF 800MM FROM ALL OTHER TELEPHONE AND DATA SOCKETS THE LEVEL SHALL BE MAINTAINED AS PER FURNITURE LAYOUT AND ARCHITECTURAL CONCURRENCE AS PER SITE CONDITION

DAS

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



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Revisions	PPS		
ARCHITECTURE	PIPING		
STRUCTURAL	PHE		
ELECTRICAL	GIS		
ELV SYSTEM	GEOTECH.		
HVAC	CHECKED BY	SIGN	DATE

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JOB No : 017203

Project Name
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Drawing Status

GOOD FOR CONSTRUCTION (GFC)

Drawing No

L	02	2000	R0
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Title :

EXHIBITION HALL-02
EXHIBITION HALL 2+ Foyer GF DATA & VOICE OVER ALL LAYOUT

EDRC DWG No : 017203 - L - SP - 02 - DV - 2000	Scale 1 : 400	Sheet Size A1
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NOTE: WIFI ACCESS POINTS ARE INDICATIVE, THE WAP SHALL BE PLACED BASED IN FINAL SITE SURVEY BY VENDOR



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