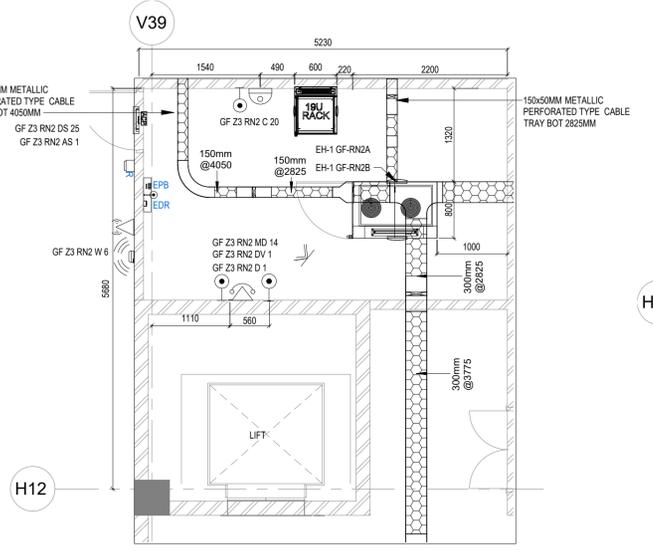
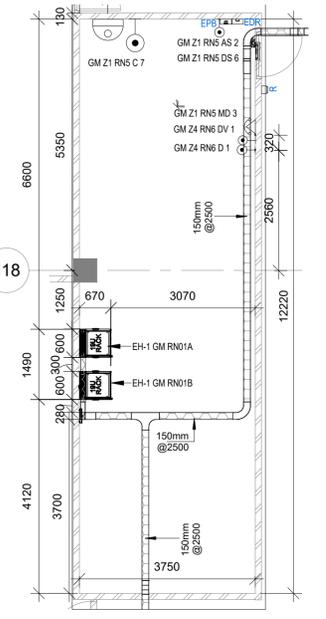


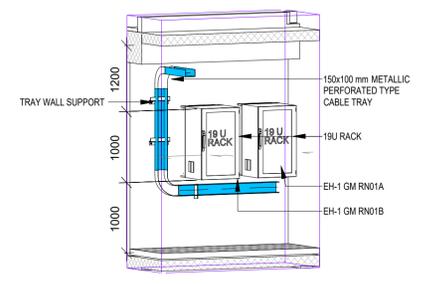
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5000 1:50



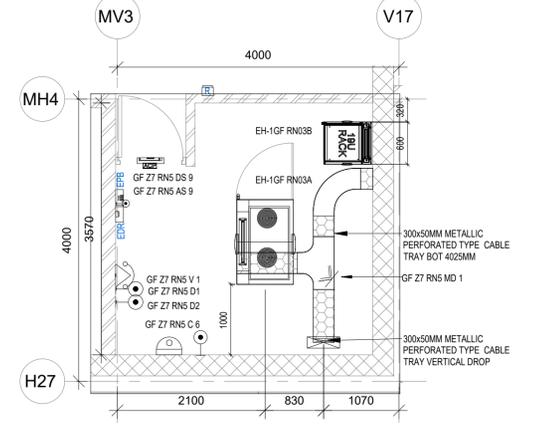
B GF STR ROOM LAYOUT 2
5000 1:50



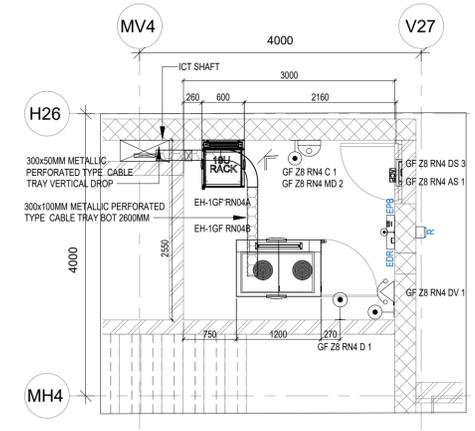
E GF MEZZANINE STR ROOM LAYOUT
5000 1:75



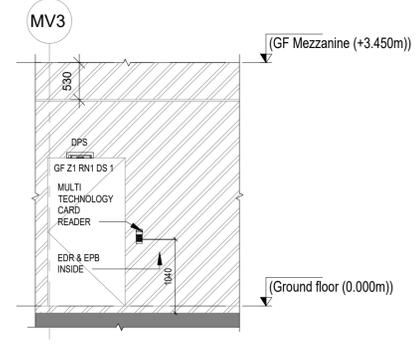
1 19U ICT NETWORK RACK
5000



C GF STR ROOM 3 LAYOUT
5000 1:50



D GF STR ROOM 4 LAYOUT
5000 1:50



2 SECTION 2
5000 1:50

NOTES:

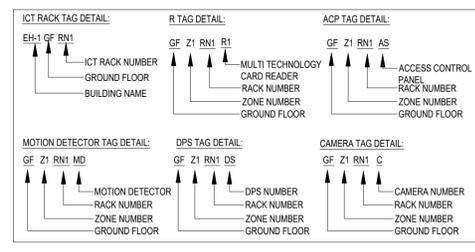
GENERAL

1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED
2. THE EXACT CONDUIT/TRAY ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH THE ENGINEER INCHARGE TO SUIT LEVEL AND SITE CONDITION.
3. PVC CONDUIT SHALL BE USED FOR EMBEDDED CONDUITING. MS CONDUIT SHALL BE USED FOR EXPOSED CONDUITING.
4. CONDUITS SHALL BE CONCEALED IN WALL/CILING IN NON-FALSE 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 OEM SHOP DRAWING.
9. THE EXACT CONDUIT/TRAY ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH THE ENGINEER INCHARGE TO SUIT LEVEL AND SITE CONDITION.
10. CABLE TRAY SUPPORT MUST ALSO BE PLACED WITHIN 0.60 METERS ON EACH SIDE OF ANY CONNECTION TO A FITTING.
11. A MINIMUM SEPARATION DISTANCE 300MM SHALL BE MAINTAINED BETWEEN ICT CABLEING
12. THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
13. REFER STAIRCASE ELECTRICAL LIGHTING LAYOUT FOR ELV EQUIPMENT. 'S' LOCATIONS IN STAIRCASE
14. ACCESS CONTROLLER TO BE PLACED ABOVE THE DOOR. SECURED SIDE INACCESSIBLE FROM PUBLIC. 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.

LEGENDS:

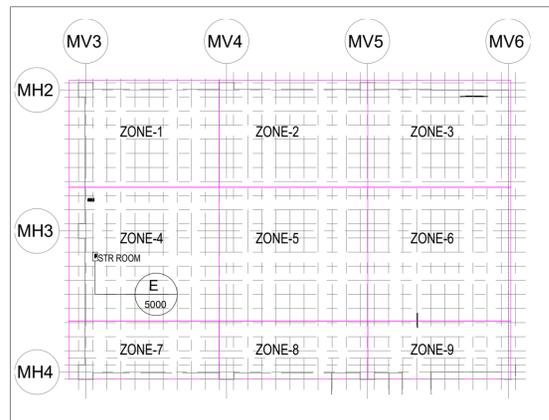
SL. NO	SYMBOL	DESCRIPTION	FIXING LEVEL
1		INDOOR FIXED DOME CAMERA	WALL / SURFACE MOUNTED
2		DOOR POSITION SENSOR	ON DOOR
3		EXIT PUSH BUTTON	100mm ABOVE FFL
4		MULTI TECHNOLOGY CARD READER	100mm ABOVE FFL
5		EMERGENCY DOOR RELEASE	100mm ABOVE FFL
6		MOTION DETECTOR	SURFACE MOUNTED
7		ACCESS CONTROL PANEL	225mm ABOVE FFL
8		42 U ICT NETWORK RACK	FLOOR MOUNTED
9		19 U ICT NETWORK RACK	WALL MOUNTED
10		300MM(W)x50MM(H) METALLIC PERFORATED TYPE CABLE TRAY	-
11		DATA SOCKET	750mm ABOVE FFL
12		VOICE SOCKET	750mm ABOVE FFL



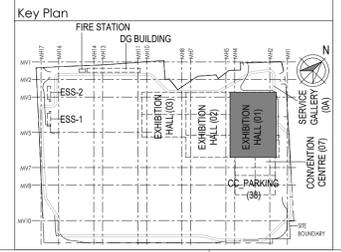
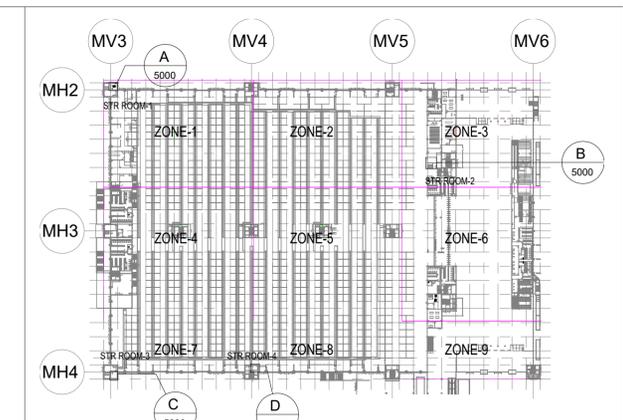
ABBREVIATION

ACP	ACCESS CONTROL PANEL
DPS	DOOR POSITION SENSOR
RN	ICT NETWORK RACK
EP	EXIT PUSH BUTTON
RN	MULTI TECHNOLOGY CARD READER
MD	MOTION DETECTOR
ER	EMERGENCY DOOR RELEASE

ELV GMF ZONE DEMARCATION



ELV GF ZONE DEMARCATION



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CKR CKR Consulting Engineers Pvt. Ltd.
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Certification

Category	Company Name
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Design Consultant	EDRC
Architectural Consultant	ARCOP
Proof Consultant	IIT Madras, egis, CKR
Structural	IIT Madras
MEP	egis
ICT	CKR

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Revisions

NO	ISSUED AS GOOD FOR CONSTRUCTION	DATE	DSGN	DRWN	CHKD	APPD
R0	ISSUED AS GOOD FOR CONSTRUCTION	14-08-2019	SP	PSY	MSK	GNR

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

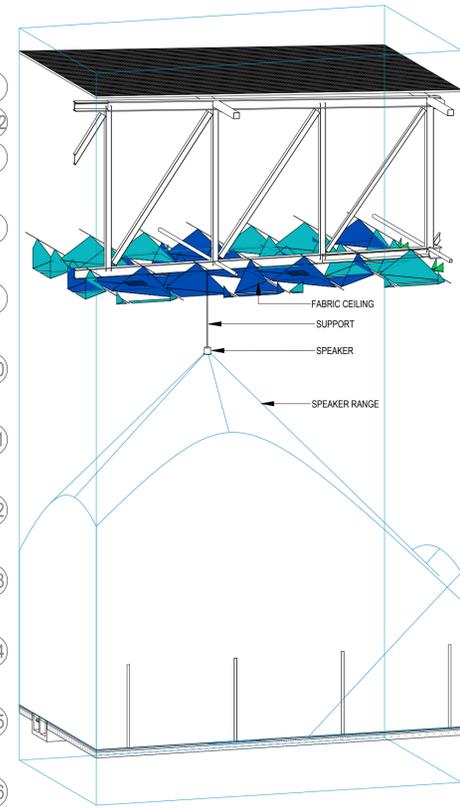
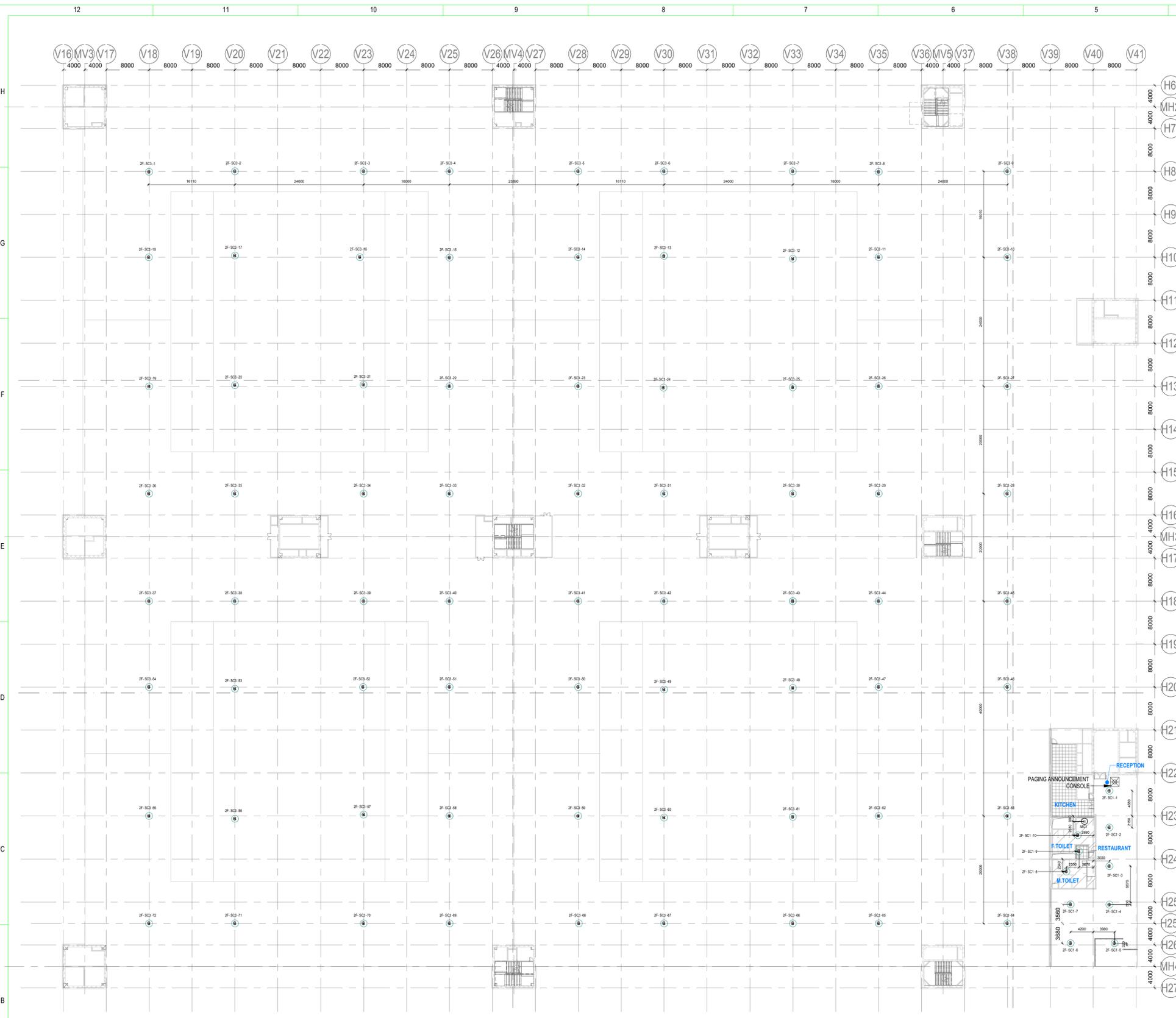
L	01	5000	R0
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Rev. No

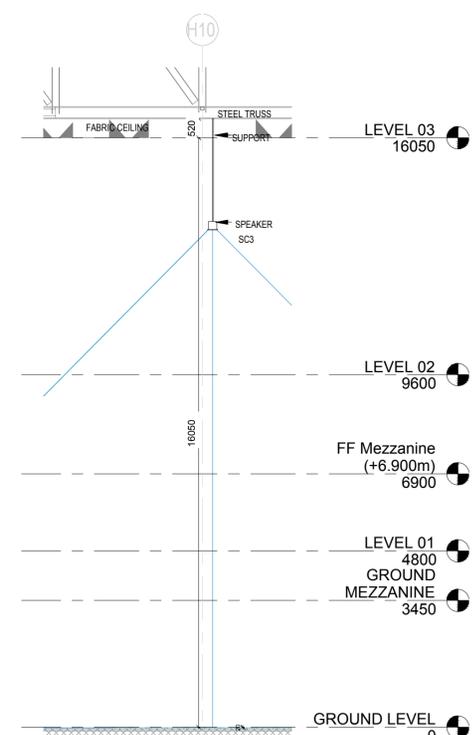
EXHIBITION HALL-01
EXHIBITION HALL 1+ FOYER GF & MEZZANINE STR ROOMS LAYOUT

EDRC DWG No : O17203 - L - SP - 01 - LE - 5000

Scale	Sheet Size
As indicated	A1



③ 3d view Copy 1



② SECTION-1
1:96

① SECOND FLOOR BGM PLAN LAYOUT
1:400

LEGENDS

S.NO	SYMBOL	DESCRIPTION
1	C	CEILING MOUNTED
2	W	WALL MOUNTED
3	F	FLOOR MOUNTED

LEGENDS

S.NO	SYMBOL	TENDER SPEC.NO	DESCRIPTION	MOUNTING HEIGHT
1	SC1	94	HIGH PROFILE 5" CEILING SPK.	CEILING MOUNT
2	SC3	95	HIGH POWER 12" CEILING SPK.	CEILING MOUNT
3	SC4		PAGING ANNOUNCEMENT CONSOLE	
4	MIC1	109	NOISE COMPENSATION MICROPHONE	CEILING MOUNT

NOTES

GENERAL

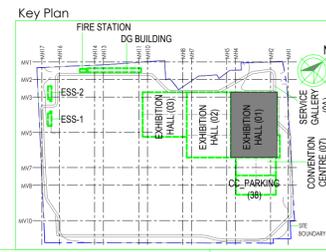
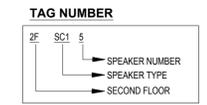
- ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED
- EXACT ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH ENGINEERING IN CHARGE TO SUIT SITE CONDITIONS
- PVC CONDUIT SHALL BE USED FOR EMBEDDED APPLICATION AND MS CONDUIT USED FOR OPEN APPLICATION
- CONDUITS SHALL BE CONCEALED IN WALL/CEILING IN NON-FALSE CEILING AREA
- SUSPENDED CONDUITS ARE TO BE USED, IF MORE THAN 3 CONDUITS RUN IN PARALLEL.
- 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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- THE EXACT CONDUIT/TRAY ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH THE ENGINEER IN CHARGE TO SUIT LEVEL AND SITE CONDITION.
- A MINIMUM SEPARATION DISTANCE 300MM SHALL BE MAINTAINED BETWEEN ICT CABLING
- THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
- PATHWAYS (CABLE TRAY/RACEWAY/CONDUITS) SHALL BE FILLED BY MAX 50%

DATA VOICE

- CAT 6A, 4 PAIR, 23 AWG, U/UTP CABLE SHALL BE USED TO CONNECT RJ 45 DATA/VOICE SOCKETS TO JACK PANEL
- HORIZONTAL CABLES SHALL BE TERMINATED ON THE RJ-45 OUTLETS AT THE WORK AREA AND PATCH PANEL AT THE RACK IN NEAREST STR ROOM
- HORIZONTAL CABLES SHALL BE TAKEN THROUGH MS / PVC CONDUITS / CABLE TRAY
- THE WALL MOUNTED DATA SOCKETS FOR DIGITAL SIGNAGE SHALL BE ALIGNED AT A HEIGHT OF 1250/1200MM FROM FFL
- TYPICAL HEIGHT FOR 55" AND 42" DISPLAYS FROM THE FLOOR LEVEL SHOULD BE RESPECTIVELY 3.85 AND 4.13 FEET FROM THE FINAL FLOOR LEVEL
- AVERAGE INDIAN HUMAN HEIGHT CONSIDERED IS 5 FEET 4.8 INCHES AND ACCORDINGLY DISPLAY HEIGHTS FROM THE FLOOR LEVEL HAVE BEEN CALCULATED TO KEEP IT IN THE ACTIVE ATTENTION ZONE OF THE VIEWER

NOTE

**THE SHOWN BGM SPEAKERS ARE INDICATIVE ONLY AND SPL REPORT SHALL BE GENERATED BY OEM/VENDOR AT SHOP DRAWING STAGE TO MAINTAIN UNIFORM SPL LEVEL AS PER RFP



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REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R0	ISSUED AS GOOD FOR CONSTRUCTION	23-01-2020	SP	PSY	MSK	GHR

Revisions

ARCHITECTURE	MEP	ICT
STRUCTURAL	PPING	
ELECTRICAL	PHE	
ELV SYSTEM	GIS	
HVAC	GEOTECH.	

Checked by: SIGN DATE CHECKED BY: SIGN DATE

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JOB No : 017203

Project Name
INDIA INTERNATIONAL CONVENTION & EXPO CENTRE - PHASE 1
SECTOR 25, DWARKA, NEW DELHI, INDIA

Drawing Status
GOOD FOR CONSTRUCTION (GFC)

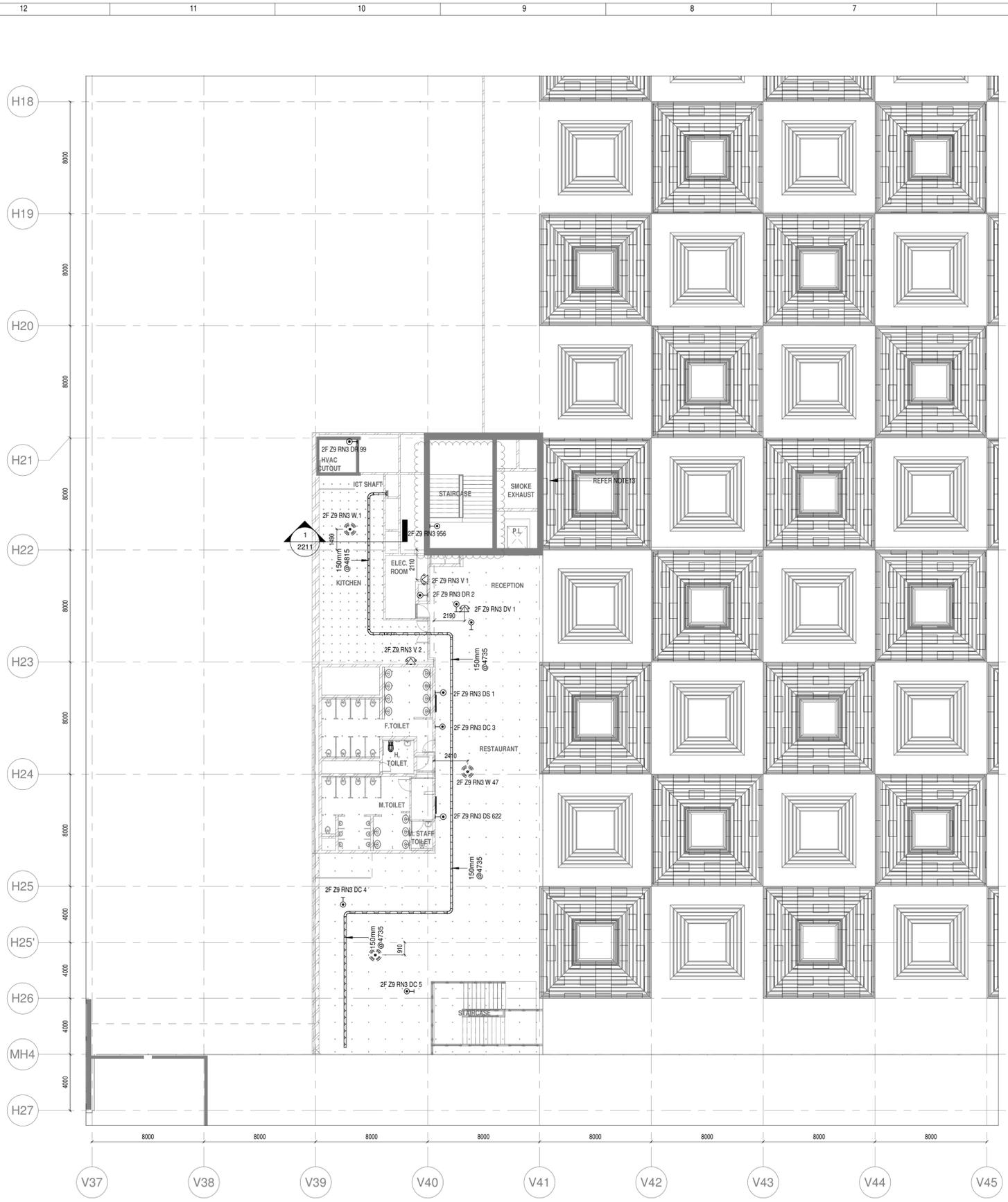
Drawing No: L 01 3007 Rev. No: R0

Title:
EXHIBITION HALL 1
SECOND FLOOR BACK GROUND MUSIC LAYOUT

EDRC DWG No : 017203 - L - SP - 01 - LV - 3007 Scale: As indicated Sheet Size: A1

017203 - L - SP - 01 - LV - 3007 (SECOND FLOOR BACK GROUND MUSIC LAYOUT)

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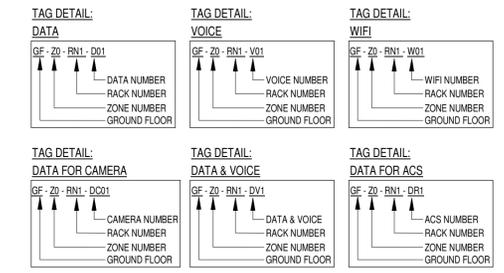


A 2211 SECOND FLOOR DATA & VOICE LAYOUT - ZONE-6 & 9
1 : 175

- 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.
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 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 EQUIPMENT'S LOCATIONS IN STAIRCASE
 14. ACCESS CONTROLLER TO BE PLACED ABOVE THE DOOR. SECURED SIDE INACCESSIBLE FROM PUBLIC.
- 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 FOR 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 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.
 5. FINAL DATA/VOICE POINTS LOCATION BASED ON FINAL FURNITURE LAYOUTS
- 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

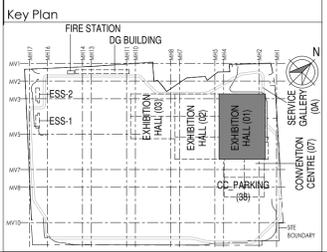
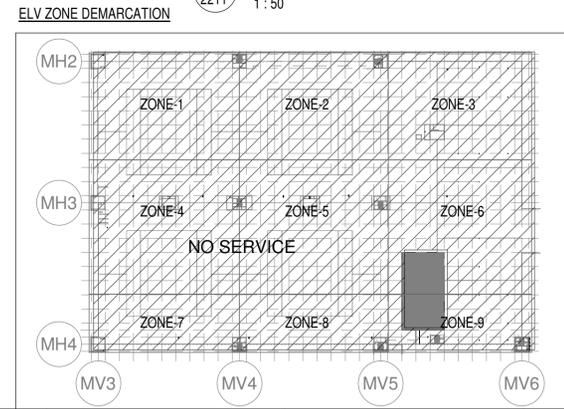
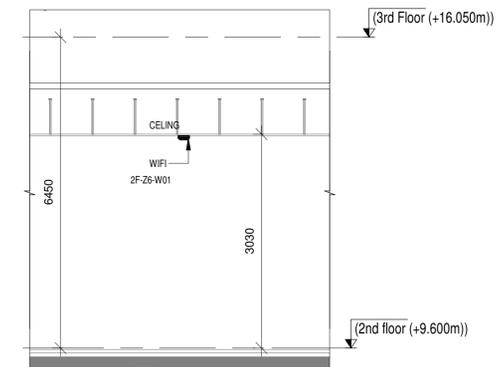
LEGENDS:

SL. NO	SYMBOL	DESCRIPTION	FIXING LEVEL
1		DATA SOCKET	SURFACE / WALL MOUNTED
2		WiFi	SURFACE MOUNTED
3		VOICE SOCKET	WALL MOUNTED
8		300MM(X)50(MM)H METALLIC PERFORATED TYPE CABLE TRAY	



ABBREVIATION

- V - VOICE SOCKET
- D - DATA SOCKET
- W - WiFi
- DC - DATA SOCKET FOR CAMERA
- DV - DATA & VOICE
- DR - ACS SOCKET
- DS - DIGITAL SIGNAGE SOCKET
- PD - PAYMENT KIOSK DATA SOCKET



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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 : O17203

Project Name
DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTION & EXPO CENTRE SECTOR 25, DWARKA, NEW DELHI, INDIA

Drawing Status
GOOD FOR CONSTRUCTION (GFC)

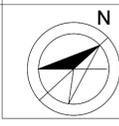
Drawing No L 01 2211 R0 **Rev. No**

Title :
EXHIBITION HALL-01
EXHIBITION HALL 1+ FOYER-1 SECOND FLOOR OVERALL DATA & VOICE LAYOUT

EDRC DWG No :	Scale	Sheet Size
O17203 - L - SP - 01 - DV - 2211	As indicated	A1

O17203 - L - SP - 01 - DV - 2211 EXHIBITION HALL 1+ FOYER-1 SECOND FLOOR OVERALL DATA & VOICE LAYOUT

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JOB No : O17203

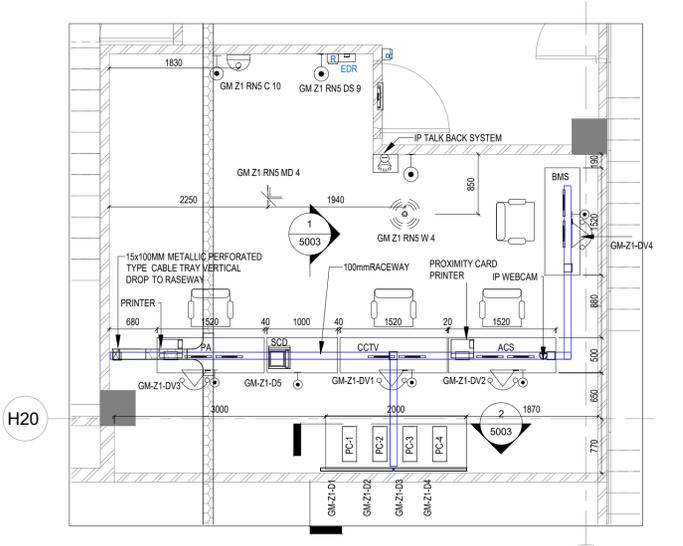
Project Name
DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTION & EXPO CENTRE SECTOR 25, DWARKA, NEW DELHI, INDIA

Drawing Status
GOOD FOR CONSTRUCTION (GFC)

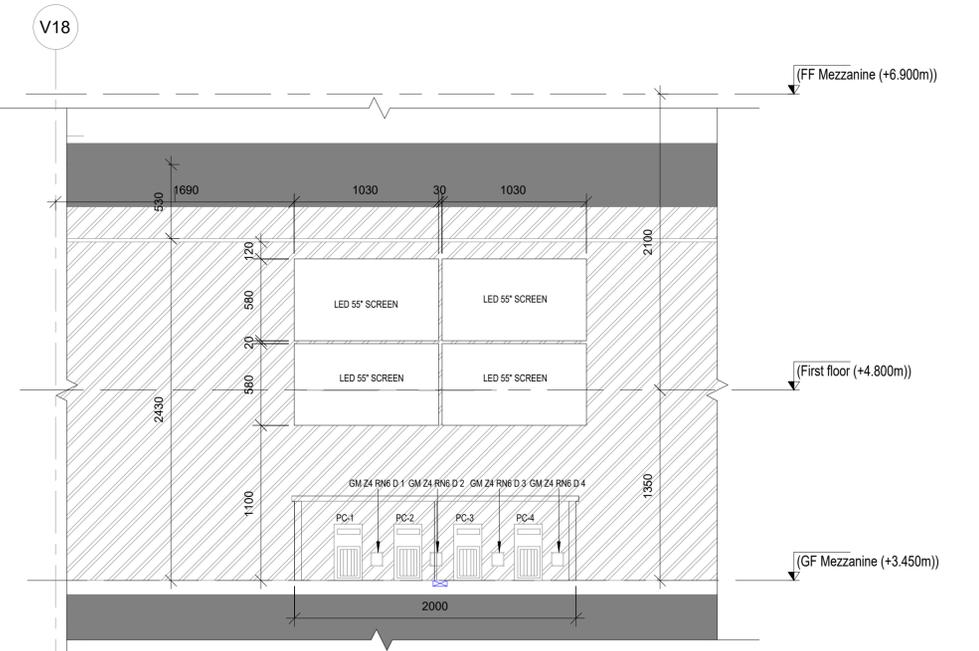
Drawing No	Rev. No
L 01 5003	R0

Title:
EXHIBITION HALL-01 EXHIBITION HALL 1+ FOYER OCC ROOM LAYOUT

EDRC DWG No : O17203 - L - SP - 01 - LE - 5003	Scale As indicated	Sheet Size A1
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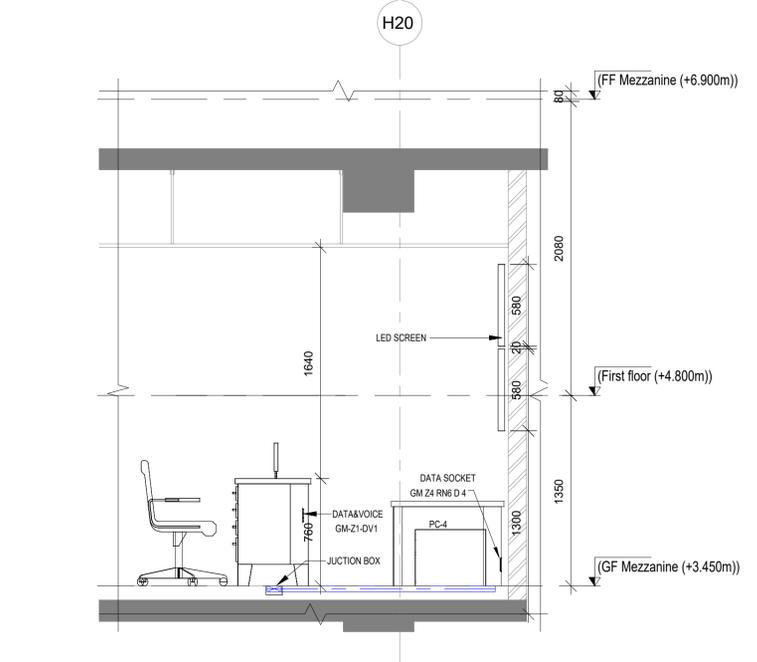
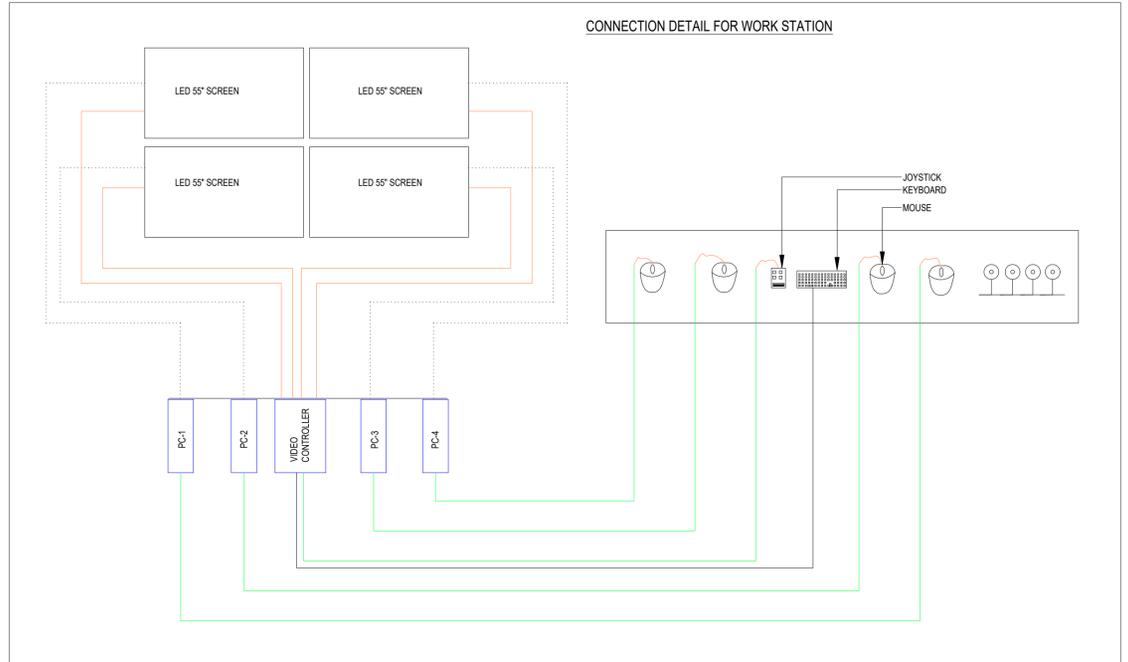
GF MEZZANINE OCC ROOM LAYOUT
 1 : 50



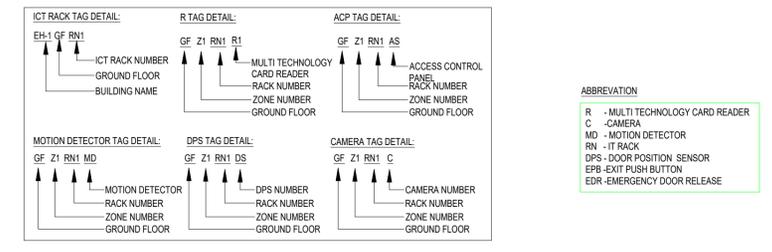
SECTION 2
 1 : 25

LEGENDS:

SL. NO	SYMBOL	DESCRIPTION	FIXING LEVEL
1	[Symbol]	INDOOR FIXED DOME CAMERA	SURFACE MOUNTED
2	[Symbol]	EXIT PUSH BUTTON	1000mm ABOVE FFL
3	[Symbol]	DOOR POSITION SENSOR	ON DOOR
4	[Symbol]	MULTI TECHNOLOGY CARD READER	1000mm ABOVE FFL
5	[Symbol]	EMERGENCY DOOR RELEASE	1000mm ABOVE FFL
6	[Symbol]	MOTION DETECTOR	CEILING MOUNTED
7	[Symbol]	IP BASED VIDEO PHONE	ON TABLE
8	[Symbol]	VOICE SOCKET	WALL MOUNTED
9	[Symbol]	DATA SOCKET	WALL MOUNTED
10	[Symbol]	IP TALK BACK SYSTEM	1000mm ABOVE FFL
11	[Symbol]	WIFI	CEILING MOUNTED



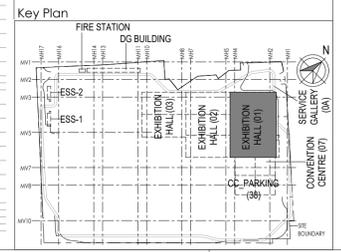
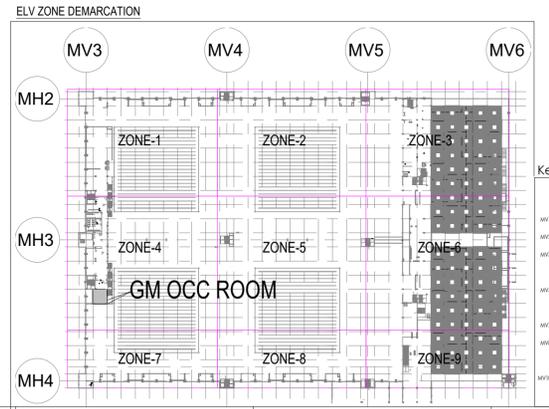
SECTION 1
 1 : 25



ABBREVIATION

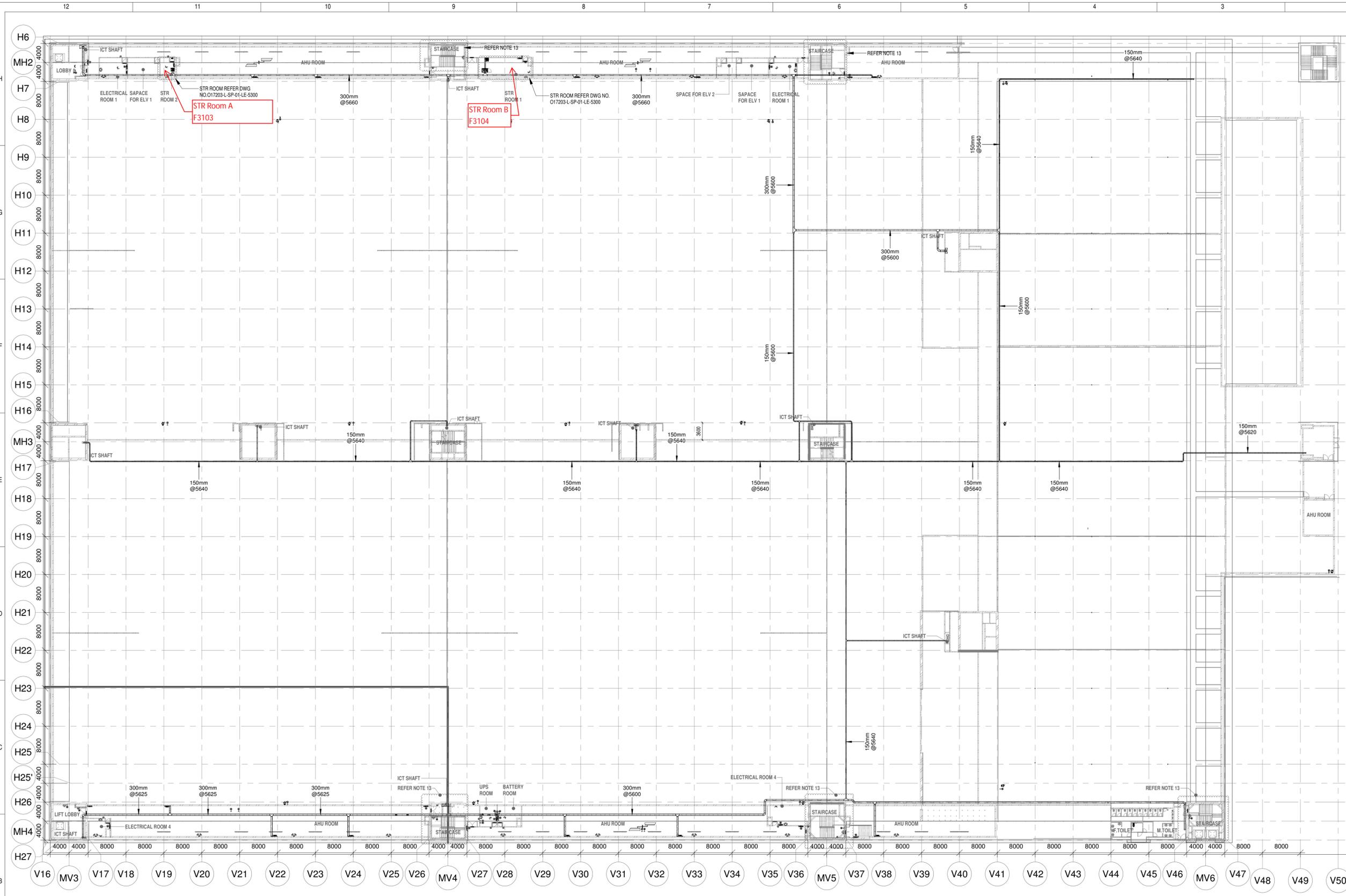
R	MULTI TECHNOLOGY CARD READER
C	CAMERA
MD	MOTION DETECTOR
RN	IT RACK
DPS	DOOR POSITION SENSOR
EPB	EXIT PUSH BUTTON
EDR	EMERGENCY DOOR RELEASE

- NOTES**
- VIDEO WALL POWER SOCKETS SHALL BE FIXED AT 1600mm FROM FFL
 - LAN / POWER SOCKETS IN BACKUP ROOM SHALL BE FIXED AT 150mm FROM FFL (BELOW FALSE FLOOR)
 - VIDEO WALL LAN SOCKETS SHALL BE FIXED AT 150mm FROM FFL (BELOW FALSE FLOOR)
 - REFER CARPENTRY LAYOUT FOR MIDDLE WORKSTATION LAN / POWER SOCKETS
 - REFER FURNITURE LAYOUT FOR FINAL DATA VIDEO SOCKET LOCATION

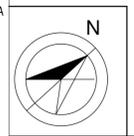


O17203 - L - SP - 01 - LE - 5003 EXHIBITION HALL 1+ FOYER OCC ROOM LAYOUT

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1 3F OVERALL ELV & DV LAYOUT
1:400



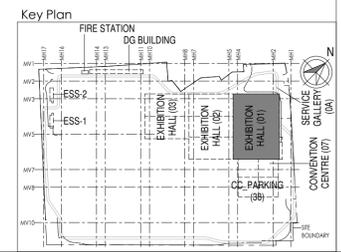
NOTES:

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/RAY ROUTINGS 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 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 NETWORK/ACS CABLE TO BE CONNECTED IN STR ROOM
- DIGITAL SIGNAGE SYSTEM, AV SYSTEM & BOM REFER AV SYSTEM LAYOUT.
- REFER STAIRCASE ELECTRICAL LIGHTING LAYOUT FOR ELV EQUIPMENT'S LOCATIONS IN STAIRCASE (REFER DRAWING NO O17203-E-SP-01-L-146-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
 - PDE 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'S 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 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 BACNET OVER TCP/IP & BACNET OVER MSTP.
 - REFER BOM LAYOUT FOR BOM SPEAKERS
- DAS**
- THE DAS SYSTEM FOR MOBILE CARRIERS WILL BE DONE AFTER SITE SURVEY BY SPECIALIST ONCE STRUCTURE IS READY AND EPCG WILL ENSURE THE DAS COVERAGE.



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REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R0	ISSUED AS GOOD FOR CONSTRUCTION	08-08-2019	SP	PSY	MSK	GNR

REVISIONS	ISSUED BY	EMPLOYER'S ENGINEER
ARCHITECTURE	PSY	
STRUCTURAL	PIPING	
ELECTRICAL	PHE	
ELV SYSTEM	GIS	
HVAC	GEOTECH.	
CHECKED BY	SIGN	DATE

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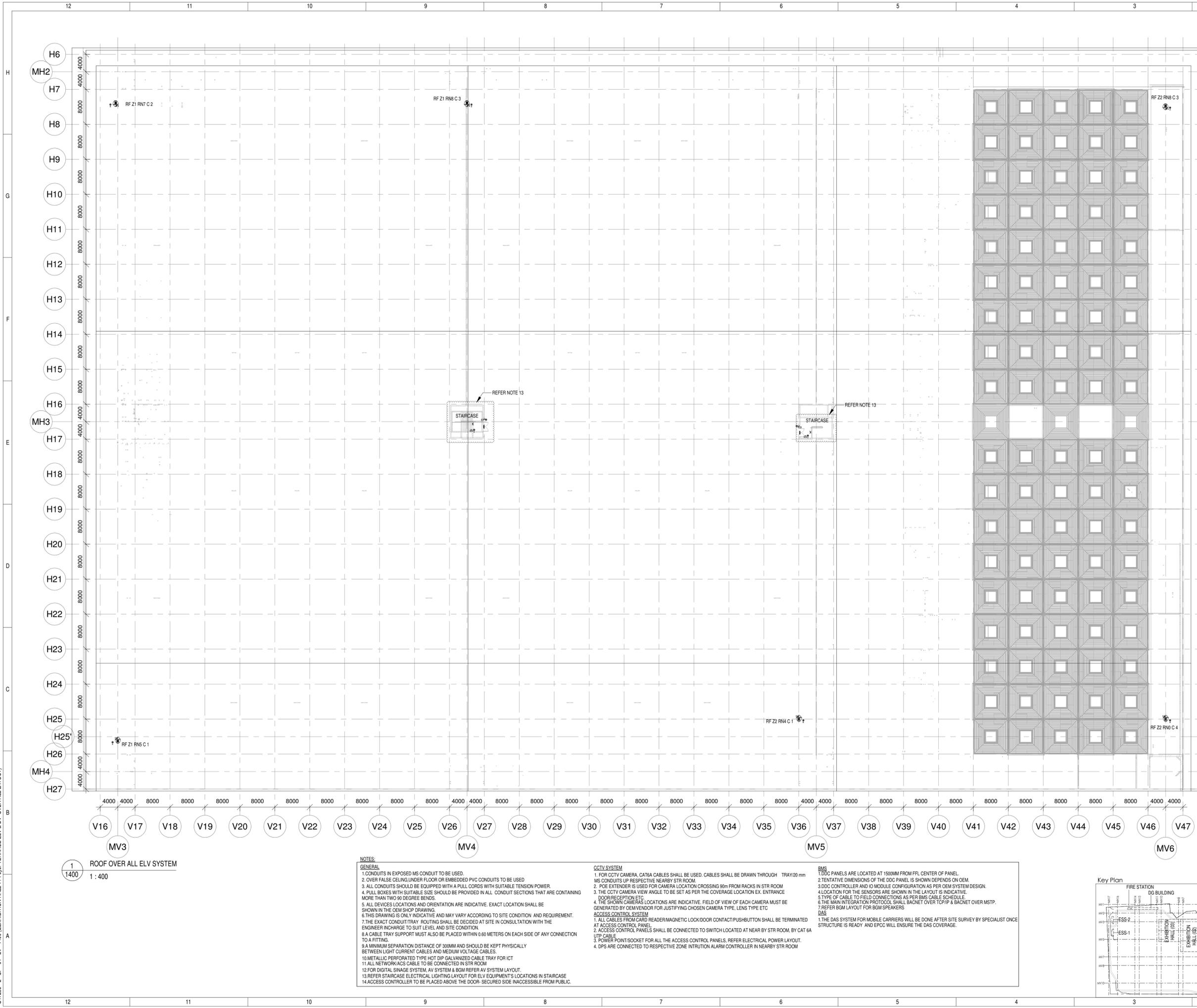
JOB No : O17203
Project Name
DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTION & EXPO CENTRE SECTOR 25, DWARKA, NEW DELHI, INDIA
Drawing Status
GOOD FOR CONSTRUCTION (GFC)

Drawing No: L 01 1300 Rev. No: R0

Title:
EXHIBITION HALL-01
EXHIBITION HALL-1+ FOYER-1 3F OVER ALL ELV & DV SYSTEM LAYOUT

EDRC DWG No : O17203-L-SP-01-LV-1300 Scale: As indicated Sheet Size: A1

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Certification

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Design Consultant

Architectural Consultant

Proof Consultant

Structural	MEP	ICT
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PEAC

Issued by:
 Employer / Employer's Engineer

R0	ISSUED AS GOOD FOR CONSTRUCTION	22-08-2019	SP	PSY	MSK	GNR
REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD

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	1400	R0
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Title :
EXHIBITION HALL-01
 EXHIBITION HALL 1+ Foyer TERRACE ELV & DV OVER ALL LAYOUT

EDRC DWG No :
 O17203 - L - SP - 01 - LV - 1400

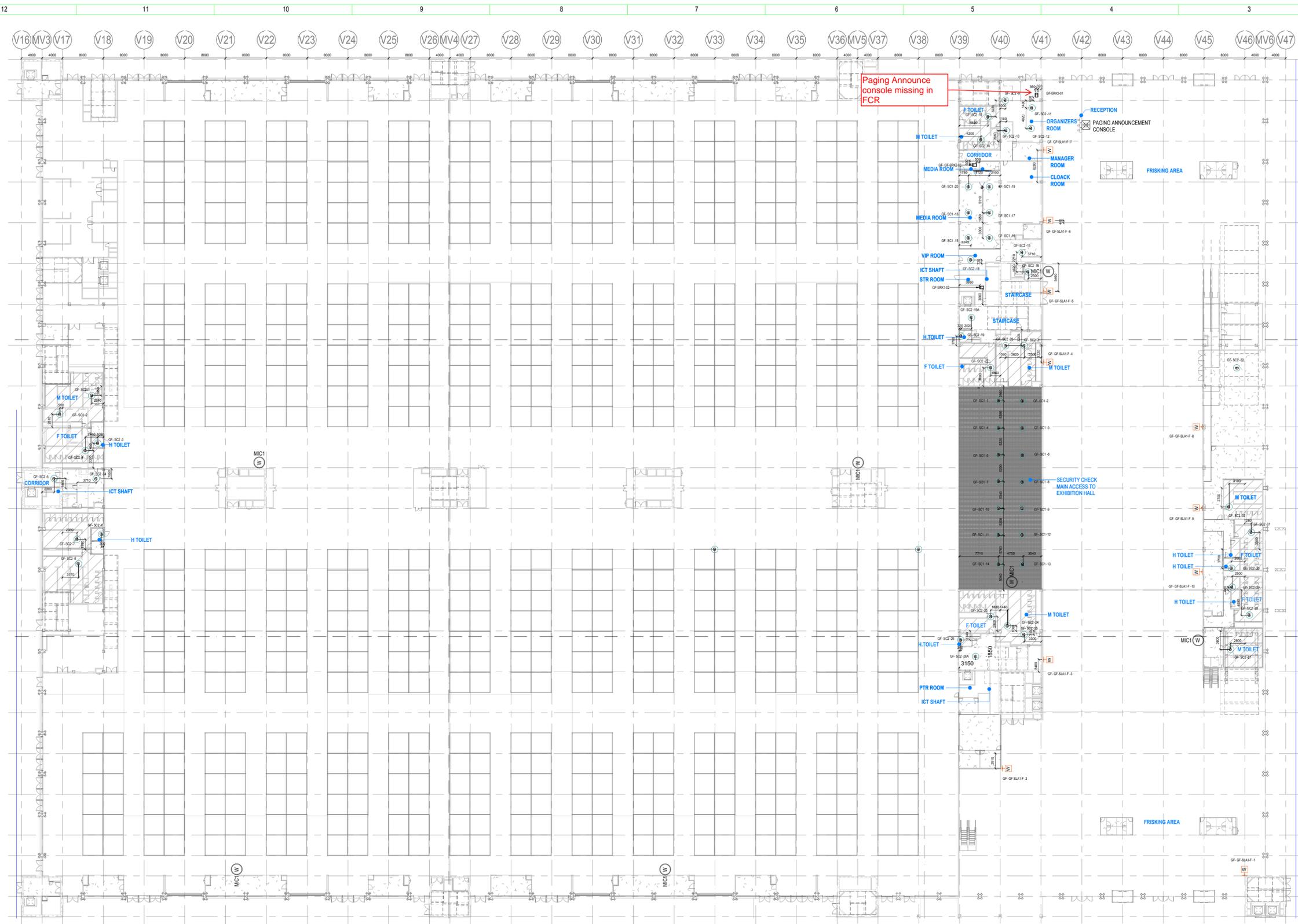
Scale **Sheet Size**

As indicated	A1
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Key Plan

O17203 - L - SP - 01 - LV - 1400 (EXHIBITION HALL 1+ Foyer TERRACE ELV & DV OVER ALL LAYOUT)

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1 GROUND FLOOR BGM PLAN LAYOUT
1 : 400

S.NO	SYMBOL	TENDER SPEC.NO	DESCRIPTION	MOUNTING HEIGHT
1	SC1	94	HIGH PROFILE 5" CEILING SPK.	CEILING MOUNT
2	SC2	96	4" LOW PROFILE 2 WAY CEILING SPK.	CEILING MOUNT
3	WSL1		WALL SPEAKER	WALL MOUNTING
4	ERK		EQUIPMENT RACK	
5			PAGING ANNOUNCEMENT CONSOLE	
6	MIC1	109	NOISE COMPENSATION MICROPHONE	CEILING MOUNT

NOTES

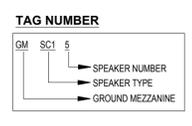
GENERAL

- ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED
- EXACT ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH ENGINEERING IN CHARGE TO SUIT SITE CONDITIONS
- PVC CONDUIT SHALL BE USED FOR EMBEDDED APPLICATION AND MS CONDUIT USED FOR OPEN APPLICATION
- 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
- CONDUITS SHOULD BE EQUIPPED WITH A PULL CORDS WITH SUITABLE TENSION POWER
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- THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
- PATHWAYS (CABLE TRAY/RACEWAY/CONDUITS) SHALL BE FILLED BY MAX 50%

DATA VOICE

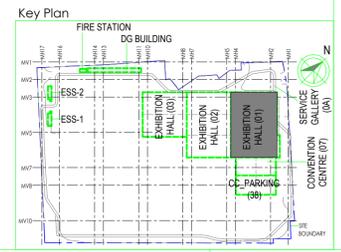
- CAT 6A, 4 PAIR, U/UTP CABLE SHALL BE USED TO CONNECT RJ 45 DATA/VOICE SOCKETS TO JACK PANEL
- HORIZONTAL CABLES SHALL BE TERMINATED ON THE RJ-45 OUTLETS AT THE WORK AREA AND PATCH PANEL AT THE RACK IN NEAREST STR ROOM
- HORIZONTAL CABLES SHALL BE TAKEN THROUGH MS / PVC CONDUITS / CABLE TRAY
- THE WALL MOUNTED DATA SOCKETS FOR DIGITAL SIGNAGE SHALL BE ALIGNED AT A HEIGHT OF 1250/1200MM FROM FFL
- TYPICAL HEIGHT FOR 55" AND 42" DISPLAYS FROM THE FLOOR LEVEL SHOULD BE RESPECTIVELY 3.85 AND 4.13 FEET FROM THE FINAL FLOOR LEVEL
- 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

S.NO	SYMBOL	DESCRIPTION
1	C	CEILING MOUNTED
2	W	WALL MOUNTED
3	F	FLOOR MOUNTED



NOTE

**THE SHOWN BGM SPEAKERS ARE INDICATIVE ONLY AND SPL REPORT SHALL BE GENERATED BY OEM/VENDOR AT SHOP DRAWING STAGE TO MAINTAIN UNIFORM SPL LEVEL AS PER RFP



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Issued by: Employer / Employer's Engineer					

REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R0	ISSUED AS GOOD FOR CONSTRUCTION	23-01-2020	SP	PSY	MSK	GHR

Revisions	Architecture	Structural	Electrical	ELV SYSTEM	HVAC	Checked by	Sign	Date
	FPS	PPING	PHE	GIS	GEOTECH.			

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JOB No : O17203

Project Name
INDIA INTERNATIONAL CONVENTION & EXPO CENTRE - PHASE 1
 SECTOR 25, DWARKA, NEW DELHI, INDIA

Drawing Status
GOOD FOR CONSTRUCTION (GFC)

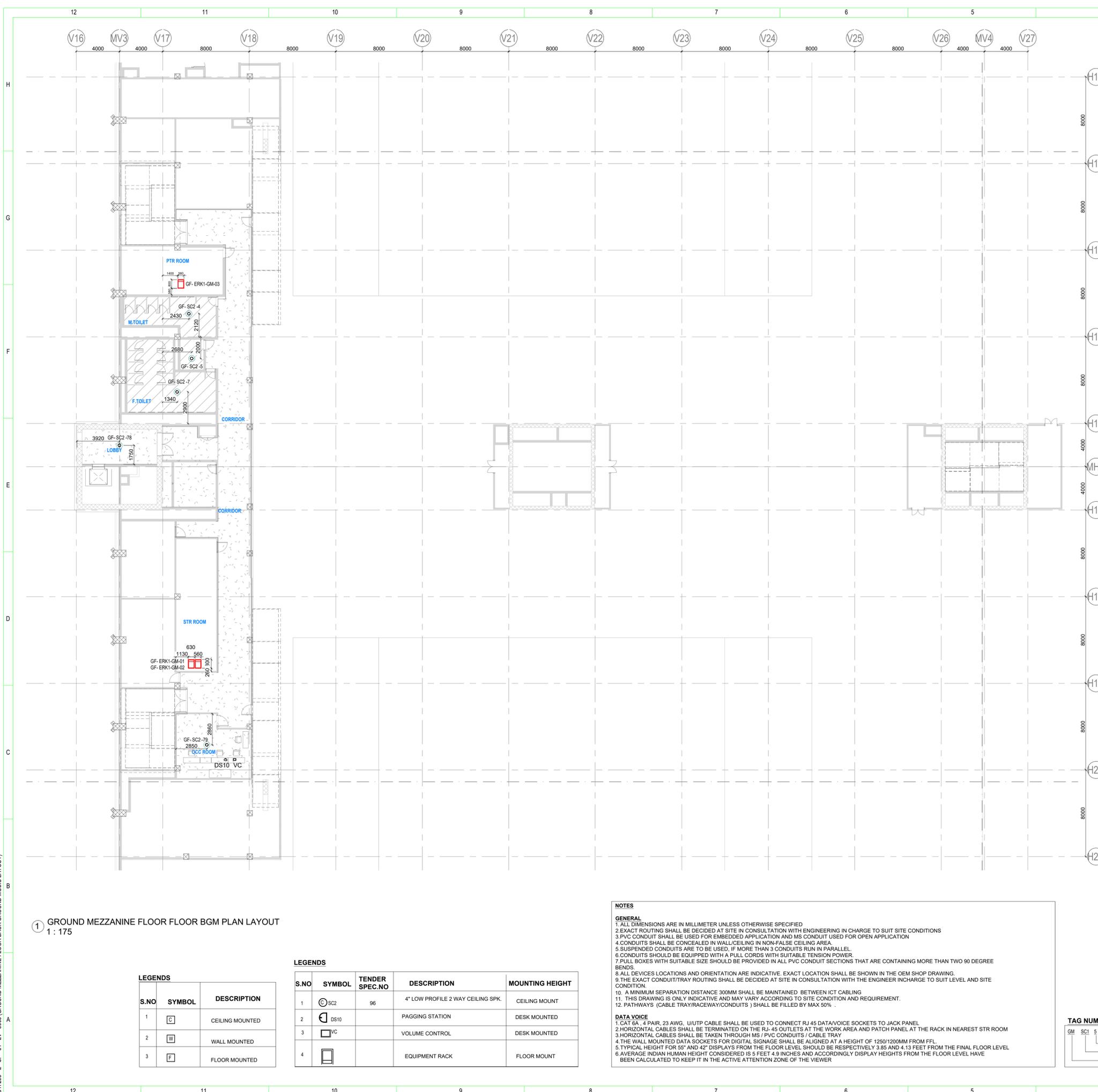
Drawing No: L 01 3004 R0 Rev. No

Title:
EXHIBITION HALL 1
 GROUND FLOOR BACK GROUND MUSIC LAYOUT

EDRC DWG No : O17203 - L - SP - 01 - LV - 3004 Scale: As indicated Sheet Size: A1

O17203 - L - SP - 01 - LV - 3004 (GROUND FLOOR BACK GROUND MUSIC LAYOUT)

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① GROUND MEZZANINE FLOOR FLOOR BGM PLAN LAYOUT
1 : 175

LEGENDS

S.NO	SYMBOL	DESCRIPTION
1	C	CEILING MOUNTED
2	W	WALL MOUNTED
3	F	FLOOR MOUNTED

LEGENDS

S.NO	SYMBOL	TENDER SPEC.NO	DESCRIPTION	MOUNTING HEIGHT
1	SC2	96	4" LOW PROFILE 2 WAY CEILING SPK.	CEILING MOUNT
2	DS10		PAGING STATION	DESK MOUNTED
3	VC		VOLUME CONTROL	DESK MOUNTED
4	ERK1-GM		EQUIPMENT RACK	FLOOR MOUNT

NOTES

GENERAL

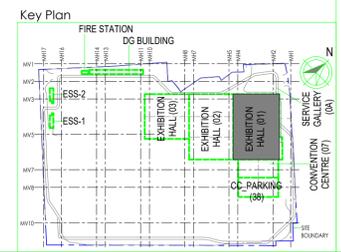
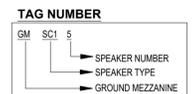
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- PATHWAYS (CABLE TRAY/RACEWAY/CONDUITS) SHALL BE FILLED BY MAX 50%

DATA VOICE

- CAT 6A, 4 PAIR, 23 AWG, U/UTP CABLE SHALL BE USED TO CONNECT RJ 45 DATA/VOICE SOCKETS TO JACK PANEL
- HORIZONTAL CABLES SHALL BE TERMINATED ON THE RJ-45 OUTLETS AT THE WORK AREA AND PATCH PANEL AT THE RACK IN NEAREST STR ROOM
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Architectural Consultant

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Structural	MEP	ICT
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REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R0	ISSUED AS GOOD FOR CONSTRUCTION	23-01-2020	SP	PSY	MSK	GNR

Revisions

ARCHITECTURE	PPS		
STRUCTURAL	PPING		
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
INDIA INTERNATIONAL CONVENTION & EXPO CENTRE - PHASE 1
SECTOR 25, DWARKA, NEW DELHI, INDIA

Drawing Status
GOOD FOR CONSTRUCTION (GFC)

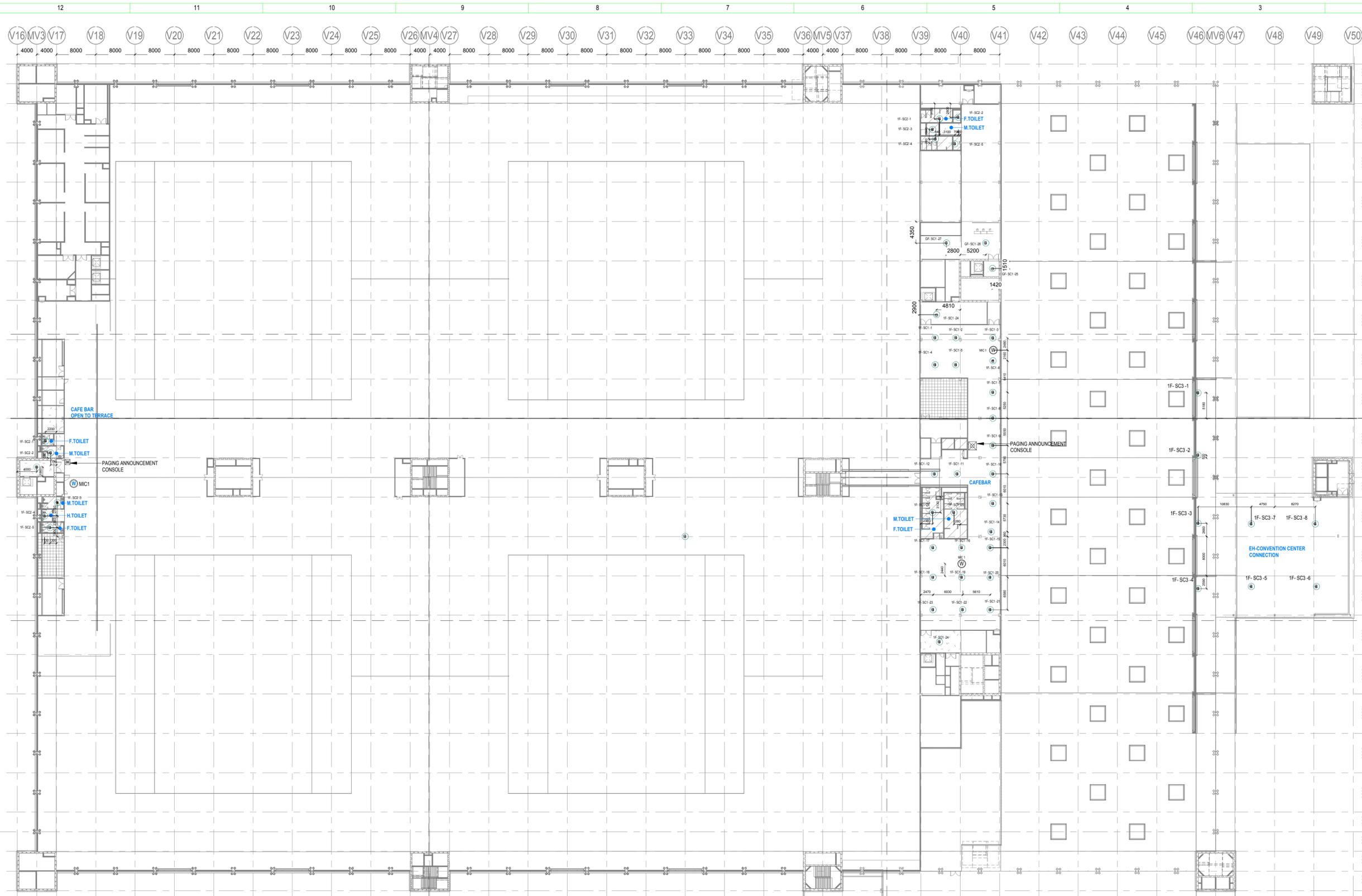
Drawing No: L 01 3005 Rev. No: R0

Title:
EXHIBITION HALL 1
GROUND MEZZANINE FLOOR BACK
GROUND MUSIC LAYOUT

EDRC DWG No : O17203 - L - SP - 01 - LV - 3005 Scale: As indicated Sheet Size: A1

O17203 - L - SP - 01 - LV - 3005 GROUND MEZZANINE FLOOR BACK GROUND MUSIC LAYOUT

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1 FIRST FLOOR BGM PLAN LAYOUT
1 : 400

S.NO	SYMBOL	DESCRIPTION
1	C	CEILING MOUNTED
2	W	WALL MOUNTED
3	F	FLOOR MOUNTED

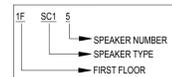
LEGENDS

S.NO	SYMBOL	TENDER SPEC. NO.	DESCRIPTION	MOUNTING HEIGHT
1	SC1	94	HIGH PROFILE 5" CEILING SPK	CEILING MOUNT
2	SC2	96	4" LOW PROFILE 2 WAY CEILING SPK	CEILING MOUNT
2	SC3	95	HIGH POWER 12" CEILING SPEAKER	CEILING MOUNT
4	ERK		EQUIPMENT RACK	-
5	PA		PAGING ANNOUNCEMENT CONSOLE	-
6	MIC1	109	NOISE COMPENSATION MICROPHONE	CEILING MOUNT

NOTES

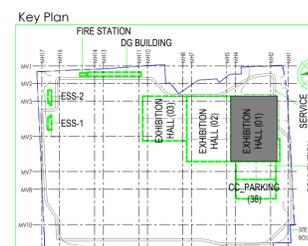
- GENERAL**
- ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED
 - EXACT ROUTINGS SHALL BE DECIDED AT SITE IN CONSULTATION WITH ENGINEERING IN CHARGE TO SUIT SITE CONDITIONS
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 - PULL BOXES WITH SUITABLE SIZE SHOULD BE PROVIDED IN ALL PVC CONDUIT 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
 - THE EXACT CONDUIT/TRAY ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH THE ENGINEER IN CHARGE TO SUIT LEVEL AND SITE CONDITION
 - A MINIMUM SEPARATION DISTANCE 300MM SHALL BE MAINTAINED BETWEEN ICT CABLING
 - THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT
 - PATHWAYS (CABLE TRAY/RACEWAY/CONDUITS) SHALL BE FILLED BY MAX.90%
- DATA VOICE**
- CAT 6A - 4 PAIR, 23 AWG, U/UTP CABLE SHALL BE USED TO CONNECT RJ 45 DATA/VOICE SOCKETS TO JACK PANEL
 - HORIZONTAL CABLES SHALL BE TERMINATED ON THE RJ-45 OUTLETS AT THE WORK AREA AND PATCH PANEL AT THE RACK IN NEAREST STR ROOM
 - HORIZONTAL CABLES SHALL BE TAKEN THROUGH MS / PVC CONDUITS / CABLE TRAY
 - THE WALL MOUNTED DATA SOCKETS FOR DIGITAL SIGNAGE SHALL BE ALIGNED AT A HEIGHT OF 1250/1200MM FROM FFL
 - TYPICAL HEIGHT FOR 50" AND 42" DISPLAYS FROM THE FLOOR LEVEL SHOULD BE RESPECTIVELY 3.85 AND 4.13 FEET FROM THE FINAL FLOOR LEVEL
 - 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

TAG NUMBER



NOTE

**THE SHOWN BGM SPEAKERS ARE INDICATIVE ONLY AND SPL REPORT SHALL BE GENERATED BY OEM/VENDOR AT SHOP DRAWING STAGE TO MAINTAIN UNIFORM SPL LEVEL AS PER RFP



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RO	ISSUED AS GOOD FOR CONSTRUCTION	23-01-2020	SP	PSY	MSK	GNR
REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
Revisions						
ARCHITECTURE				FPS		
STRUCTURAL				PRNG		
ELECTRICAL				PHE		
ELV SYSTEM				GIS		
HVAC				GEOTECH.		
CHECKED BY	SIGN	DATE	CHECKED BY	SIGN	DATE	

REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
1	ISSUED AS GOOD FOR CONSTRUCTION	23-01-2020	SP	PSY	MSK	GNR

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JOB No : O17203

Project Name
INDIA INTERNATIONAL CONVENTION & EXPO CENTRE - PHASE 1
SECTOR 25, DWARKA, NEW DELHI, INDIA

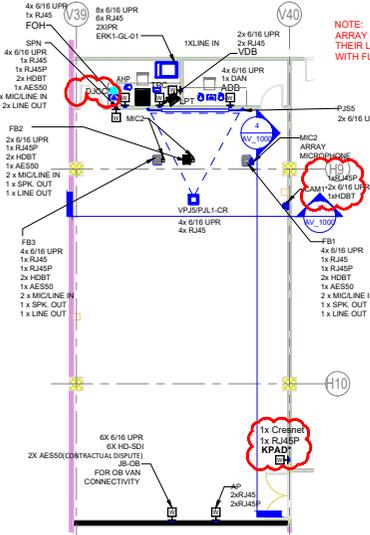
Drawing Status
GOOD FOR CONSTRUCTION (GFC)

Drawing No: L 01 3006 R0

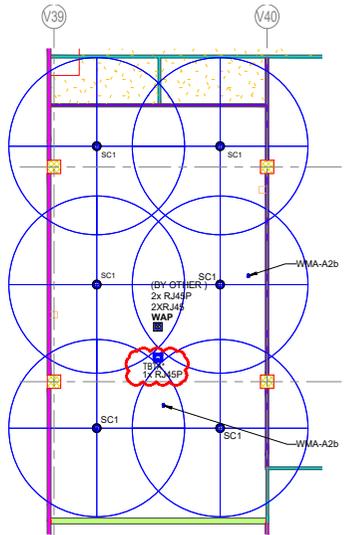
Title:
EXHIBITION HALL 1
FIRST FLOOR BACK GROUND MUSIC LAYOUT

EDRC DWG No : O17203 - L - SP - 01 - LV - 3006 Scale: As indicated Sheet Size: A1

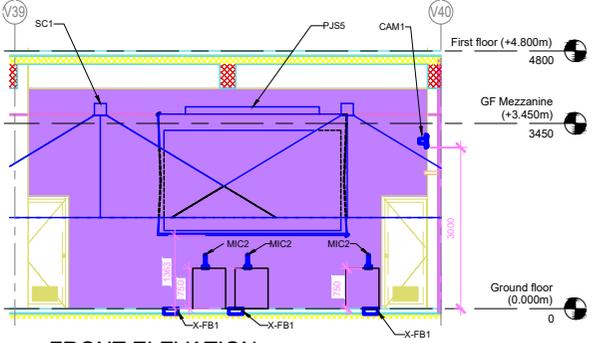
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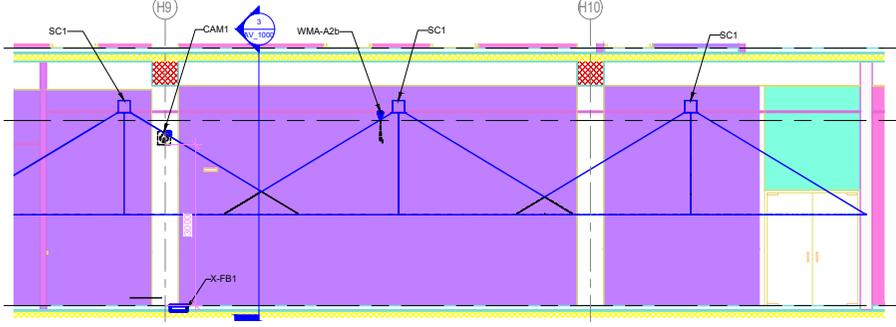
1 ENLARGED MEDIA ROOM PLAN
1 : 100



2 ENLARGED MEDIA ROOM RCP
1 : 100



3 FRONT ELEVATION
1 : 50



4 RIGHT SIDE ELEVATION
1 : 50

NOTES
 1. THE AV SYSTEM REQUIREMENTS CAPTURED ARE IN ACCORDANCE WITH THE RFP DOCUMENT SD_ECC_PEAC_XX_ELV_X.XX_RP_003_04 - AV SYSTEM DESCRIPTION.
 2. THE AV SYSTEM REQUIREMENTS FOR THE CONFERENCE ROOM IS AS PER 100PAX / MEDIA ROOM AV 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 EPC. HOWEVER, DRAWING WILL BE REVISED 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.

REFERENCE DRAWINGS / DOCUMENTS: (LATEST REVISION)

O17203-LP-01-SC-0008	AUDIO & VIDEO ON LINE DIAGRAM FOR 100 PAX MEETING ROOM / MEDIA ROOM
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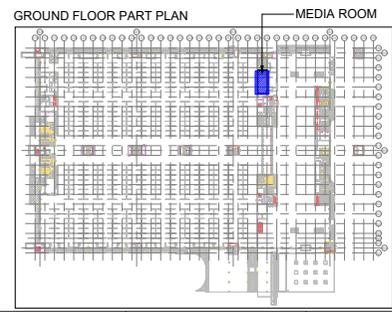
ABBREVIATION LEGEND

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

LEGEND:

SR.NO.	SYMBOL	Tender Spec. No.	DESCRIPTION	QTY.
1	SC1	34	High Profile 3" Ceiling SPC	6
2	MIC2		Noise Compensation Microphone	5
3	AP		Access Point	1
4	CAM1	101	PTZ Camera	1
5	X-FB1		Floor Box	3
6	WMA-A2b	158	Wireless Antenna	2
7	ADB		Wall Junction Box	5
8	JDB		Wall Junction Box	1
9	VDB		Wall Junction Box	1
10	AVR		AV Rack	1
11	PJSS	11	150" Diagonal Motorized Projection Screen	1
12	VPUS	5	300K Resolution Projector	1
13	MC	1	Motorized Ceiling Mounting Lull	1
14	AMP	147	Acoustic Modulator	1
15	JB-OB		OB Van Junction Box	1
16	WAP	(BY OTHER)	Wireless access point	1
17	WAP		Wireless Talk Back Transceiver Antenna	1
18	WAP		Wireless access point	1
19	PC-KB	158	Wall Mount Keypad	1
20	PC-KB	158	PC WITH KEYBOARD MOUSE	1
21	TPC	155	TOUCH PANEL	1
22	LPT	155	USER LAPTOP	1
23	WAP	162	DIGITAL JOYSTICK CAMERA CONTROLLER	1

Tech Ref No. should be 143



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Revisors

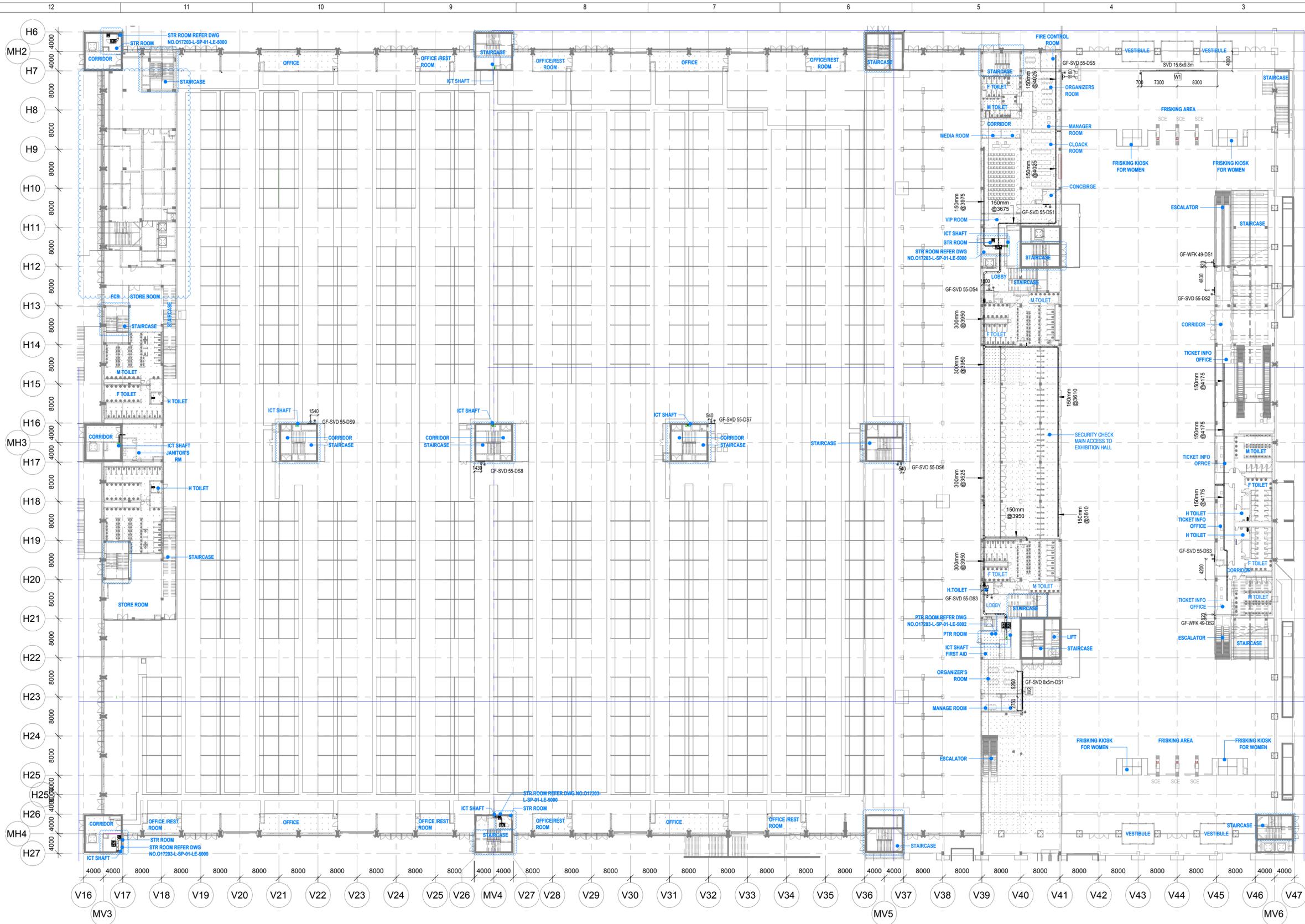
REVISION	DATE	BY	CHKD

Checked by: SIGN DATE
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 Drawing No: L 01 3010 Rev. No: R0

Title:
 ENLARGED MEDIA ROOM LAYOUTS & ELEVATIONS

EDRC DWG No : O17203 - AV_1000 Scale: As indicated Sheet Size: A1



1
3011
Exhibition Hall 1 - GROUND FLOOR DIGITAL SIGNAGE SYSTEM LAYOUT
1 : 400

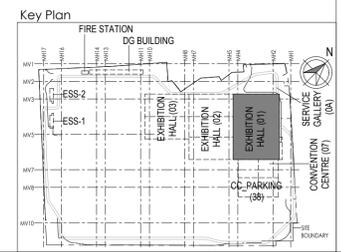
LEGENDS

S.NO	SYMBOL	TENDER SPEC.NO	DESCRIPTION	MOUNTING HEIGHT
1	[Symbol]	239	LCD/LED PANEL FULL HD 24X7 OPERATION 55" DIGITAL SIGNAGE	1250mm FROM FFL
2	[Symbol]	237	WAY FINDING KIOSK WITH 49" INTERACTIVE SCREEN	FLOOR MOUNTING
3	[Symbol]		SVD 15.6x8.8m	
4	[Symbol]		SVD 8x5m	WALL MOUNTING
5	[Symbol]		DATA SOCKET	1250mm FROM FFL

S.NO	SYMBOL	DESCRIPTION
1	[Symbol]	CEILING MOUNTING
2	[Symbol]	WALL MOUNTING
3	[Symbol]	FLOOR MOUNTING

NOTES

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REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD

Revisions

ARCHITECTURE	RF5	
STRUCTURAL	PIPING	
ELECTRICAL	PHE	
ELEV SYSTEM	GIS	
HVAC	GEO TECH.	

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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)

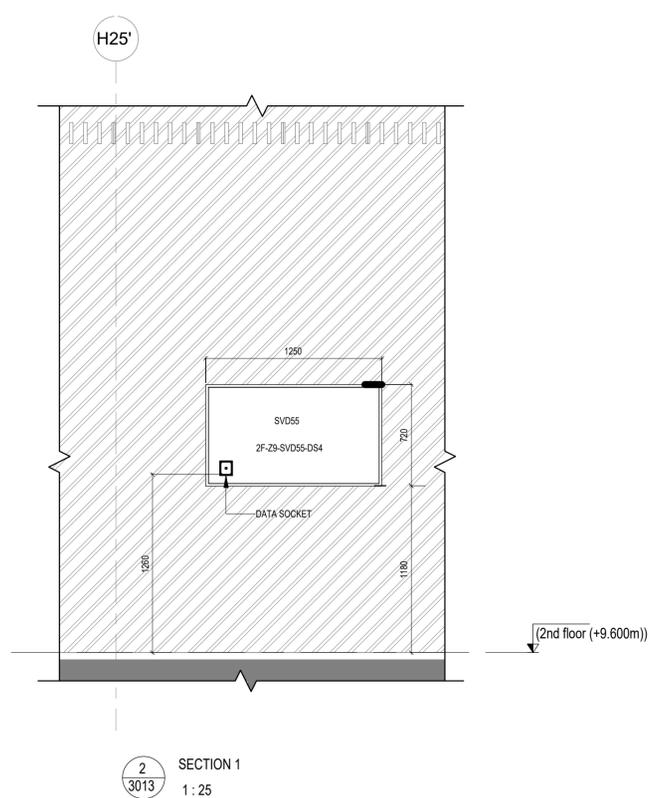
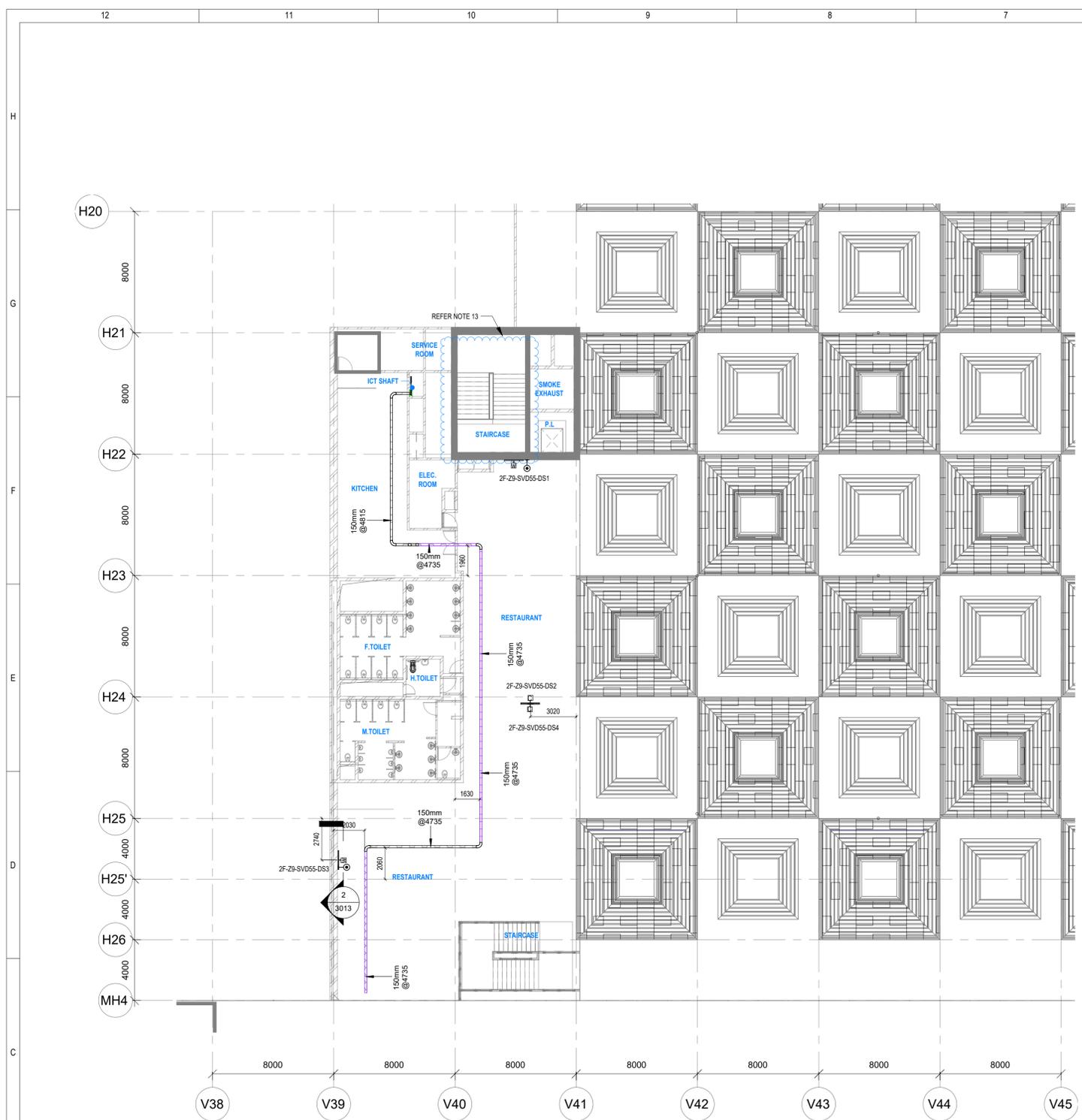
Drawing No L 01 **3011** **Rev. No** R0

Title :
EXHIBITION HALL-01
EXHIBITION HALL 1- GROUND FLOOR DIGITAL SIGNAGE SYSTEM LAYOUT

EDRC DWG No : O17203-L-SP-01-LV-3011 **Scale** As indicated **Sheet Size** A1

O17203-L-SP-01-LV-3011 EXHIBITION HALL 1- GROUND FLOOR DIGITAL SIGNAGE SYSTEM LAYOUT

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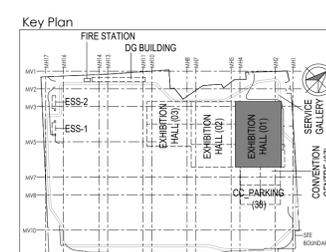
1 3013 SECOND FLOOR DIGITAL SIGNAGE SYSTEM LAYOUT
1:175

- NOTES**
- GENERAL**
1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED
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LEGENDS

S.NO	SYMBOL	DESCRIPTION	MOUNTING HEIGHT
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2		DATA SOCKET	1250mm FROM FFL

S.NO	SYMBOL	DESCRIPTION
1		CEILING MOUNTING / SUSPENDED
2		WALL MOUNTING
3		FLOOR MOUNTING



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ICT Proof Consultant
CKR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Mangana Arcade, Subramaniam Road, Nettalappa Circle, Basavanagudi, Bengaluru - 560004

Certification

EPC Contractor

Design Consultant

Architectural Consultant

Proof Consultant

Structural	MEP	ICT
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PEAC

Issued by:
Employer / Employer's Engineer

REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R0	ISSUED AS GOOD FOR CONSTRUCTION	10-10-2019	SP	FSY	MSK	GNR

Revisions

REVISION	DATE	BY	CHKD	APPD	
ARCHITECTURE		SPS			
STRUCTURAL		PPPP			
ELECTRICAL		PHE			
ELV SYSTEM		GS			
HVAC		GEO TECH.			
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 3013 R0

Rev. No

Title :
EXHIBITION HALL-01
Exhibition Hall 1 - SECOND FLOOR DIGITAL SIGNAGE SYSTEM LAYOUT

EDRC DWG No : O17203 - L - SP - 01 - LV - 3013
Scale : As indicated
Sheet Size : A1

O17203 - L - SP - 01 - LV - 3013 Exhibition Hall 1 - SECOND FLOOR DIGITAL SIGNAGE SYSTEM LAYOUT

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