

A MEZZANINE OVERALL ELV SYSTEM LAYOUT
1 : 350

ABBREVIATION

- EH3 - EXHIBITION HALL-3
- ACP - ACCESS CONTROL PANEL
- DPS - DOOR POSITION SENSOR
- DDC - DIRECT DIGITAL CONTROLLER
- DDC - DIRECT DIGITAL CONTROLLER
- RN - IT RACK
- R - MULTI TECH. CARD READER
- EPB - EXIT PUSH BUTTON
- EDR - EMERGENCY DOOR RELEASE

LEGENDS:

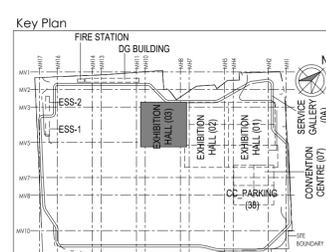
SL NO	SYMBOL	DESCRIPTION	FIXING LEVEL
1		INDOOR MINI DOME CAMERA	SURFACE MOUNTED
2		DDC PANEL	1000mm ABOVE FFL
3		DOOR POSITION SENSOR	ON DOOR
4		MULTI TECH. CARD READER	1000mm ABOVE FFL
5		EXIT PUSH BUTTON	1000mm ABOVE FFL
6		EMERGENCY DOOR RELEASE	1000mm ABOVE FFL
7		DATA SOCKET	750mm ABOVE FFL
8		TELEPHONE SOCKET	750mm ABOVE FFL
9		LEVEL TRANSMITTER	FLOOR MOUNTED
10		INDOOR BULLET TYPE CAMERA	SUSPENDED / SURFACE MOUNTED
11		TALK BACK SYSTEM	WALL MOUNTED
12		HAND HELD METAL DETECTOR	WALL MOUNTED
13		MOTION DETECTOR	SURFACE MOUNTED
14		TALK BACK STATION	1000mm ABOVE FFL
15		BIOMETRIC LOCK	FLOOR MOUNTED
16		19 U RACK	WALL MOUNTED
17		WIRELESS ACCESS POINT	CEILING / SUSPENDED
18		150mm(Wx50mm(H)) METALLIC PERFORATED TYPE CABLE TRAY	MADE OF HOT DIP GALVANIZED SHEETS
		300mm(Wx50mm(H)) METALLIC PERFORATED TYPE CABLE TRAY	MADE OF HOT DIP GALVANIZED SHEETS

NOTES:

- GENERAL**
- CONDUITS IN EXPOSED MS CONDUIT TO BE USED.
 - OVER FALSE CEILING, UNDER FLOOR OR EMBEDDED PVC CONDUITS TO BE USED.
 - PULL BOXES WITH SUITABLE SIZE SHOULD BE PROVIDED IN ALL MS 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.
 - 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.
 - FOR ICT 50% OF SPARE IN TRAY SHALL BE KEPT EMPTY.
 - THE MEP EQUIPMENT SHOWN ARE INDICATIVE ONLY. THE SAME SHALL BE EXECUTED AS PER THE CONTRACTUAL SCOPE OF WORK.
- CCTV SYSTEM**
- FOR CCTV CAMERA, CAT5A CABLES SHALL BE USED. CABLES SHALL BE DRAWN THROUGH TRAY / 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 DEMOVENDOR 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.
- DATA VOICE**
- PAR 23 AWG 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 SHOULD BE ALIGNED AT A HEIGHT OF 450MM 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.
 - OFFICE SERVICES SUPPORT AREA AND STORE DATA VOICE POINTS SHOWN ARE INDICATIVE. REFER FURNITURE LAYOUT FOR THE FINAL DATA VOICE POINTS.
- DAS SYSTEM**
- 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.

R1 1 TRAY LEVELS CHANGED
2 DATA POINT FOR DDC PANEL IS ADDED

REVISION HISTORY
REVISED AS PER VENTILATION SCHEME CHANGE AND LATEST ARCHITECTURAL LAYOUTS AND ISSUED AS GOOD FOR CONSTRUCTION.



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REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R1	REVISED AS PER REVISION HISTORY-1 AND ISSUED AS GOOD FOR CONSTRUCTION	28.08.19	SP	RDR	MSK	GMR

Revisions

ARCHITECTURE	MEP	ICT
FFS		
PIPING		
PHE		
GIS		
GEOTECH.		

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Title :
EXHIBITION HALL - 3
EX-HALL-3-MEZZANINE - OVER ALL ELV SYSTEM LAYOUT

EDRC DWG No : O17203 - L - SP - 03 - LV - 1100 Scale As indicated Sheet Size A1

O17203 - L - SP - 03 - LV - 1100 (EX-HALL-3-MEZZANINE - OVER ALL ELV SYSTEM LAYOUT)

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