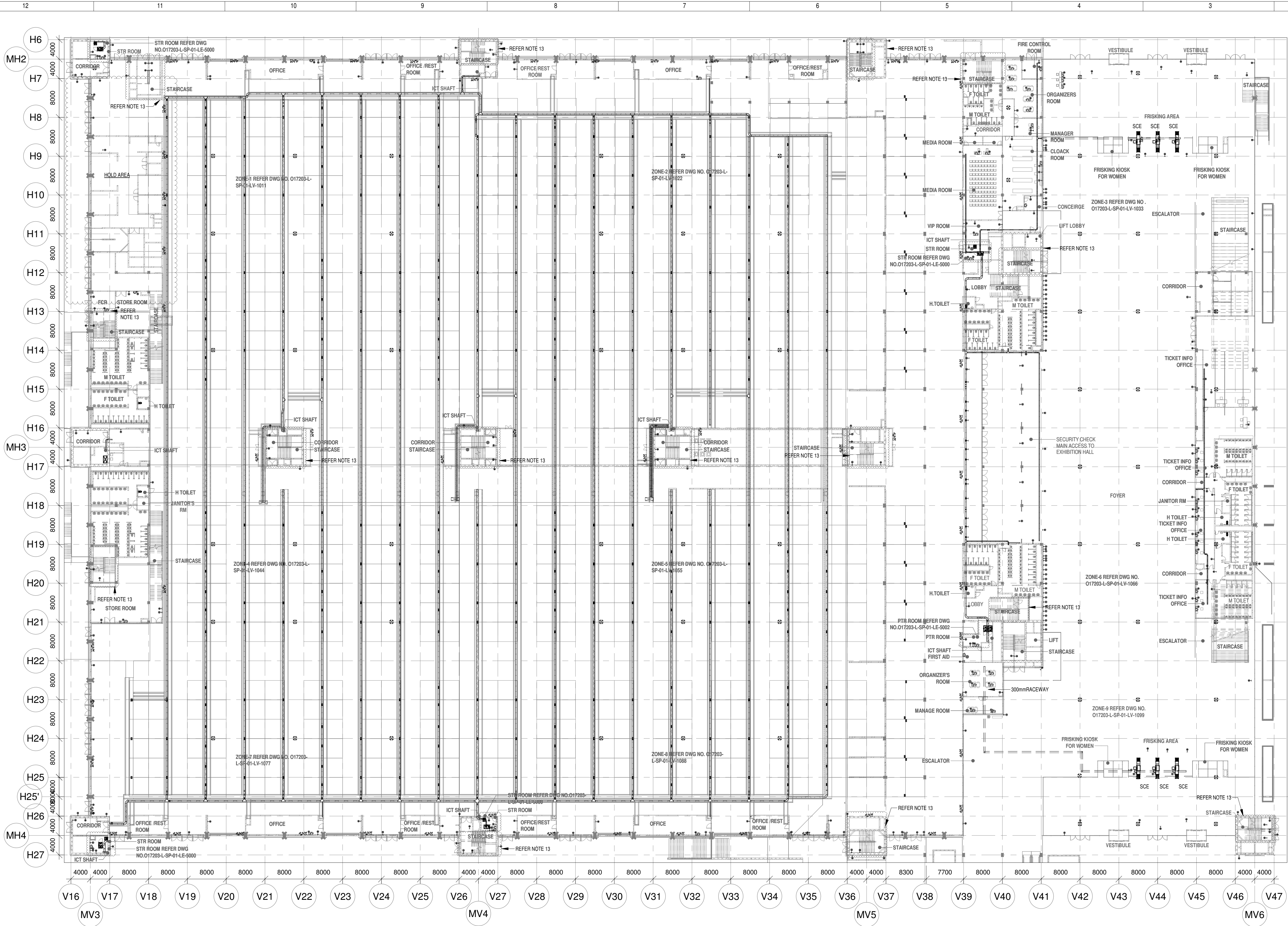


017203 - L - SP - 01 - DV - 2000 EXHIBITION HALL 1 - Foyer GF DATA & VOICE OVER ALL LAYOUT



GROUND FLOOR DATA & VOICE OVER ALL LAYOUT
1:400

NOTES:

GENERAL

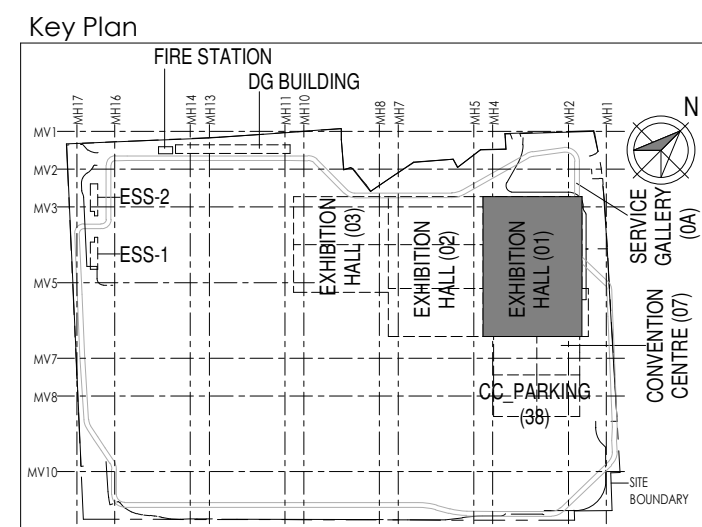
- 1.CONDUITS IN EXPOSED MS CONDUIT TO BE USED.
2. OVER FALSE CEILING UNDER FLOOR OR EMBEDDED PVC CONDUITS TO BE USED
3. ALL CONDUITS SHOULD BE EQUIPPED WITH A PULL CORDS WITH SUITABLE TENSION POWER.
4. PULL BOXES WITH SUITABLE SIZE SHOULD BE PROVIDED IN ALL CONDUIT SECTIONS THAT ARE CONTAINING MORE THAN TWO 90 DEGREE BENDS.
5. ALL DEVICES LOCATIONS AND ORIENTATION ARE INDICATIVE. EXACT LOCATION SHALL BE SHOWN IN THE O&P 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. METALLO PERFORATED TYPE HOT DIP GALVANIZED CABLE TRAY FOR ICT
11. ALL NETWORKING CABLES 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 (REFER DRAWING NO 017203-E-SP-01-L-146 TO 150)
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. TYPICALLY FOR EACH STALL 2 DATA (VOICE AND 1 FIBER (FO MM) PORT

DAS

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



Owner / Employer

India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry,
DIPF, 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
Room No. 341 & 3rd Floor Hotel Ashok, Diplomatic Enclave, 508 Chankapuri, New Delhi - 110021

Employer's Representative

Employer's Engineer
Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

idom **CPKUREJA ARCHITECTS**
Av. Del Monasterio de El Escorial, 4, 28049 Madrid, Spain
No.D-1, Ashwini Building, Green Park, New Delhi, Delhi 110016, India

EPC Contractor

L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manapakkam, P.O.No.779, Chennai - 600 089

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, Pamposh Enclave, G.K-1 New Delhi, Delhi 110048, India

Structural Proof Consultant

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

MEP Proof Consultant

Egis India Consulting Engineers Pvt. Ltd.
Plot No. 66, Sector 32, Institutional Area, Opp. Zenith Solutions, Gurgaon, Haryana 122001

ICT Proof Consultant

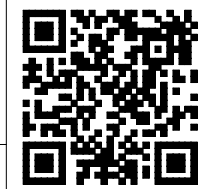
CCR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Narayana Arcade, Subbaramachetty Road, Velupillai Circle, Basavanagudi, Bengaluru - 560004

Certification		
<u>EPC Contractor</u>		
<u>Design Consultant</u>		
<u>Architectural Consultant</u>		
<u>Proof Consultant</u>		
<u>Structural</u>	<u>MEP</u>	<u>ICT</u>
<u>PEAC</u>		
<u>Issued by:</u> <u>Employer / Employer's Engineer</u>		

R0	ISSUED AS GOOD FOR CONSTRUCTION									
			16-08-2019	SP	PSY	MSK	GMR			
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			

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)

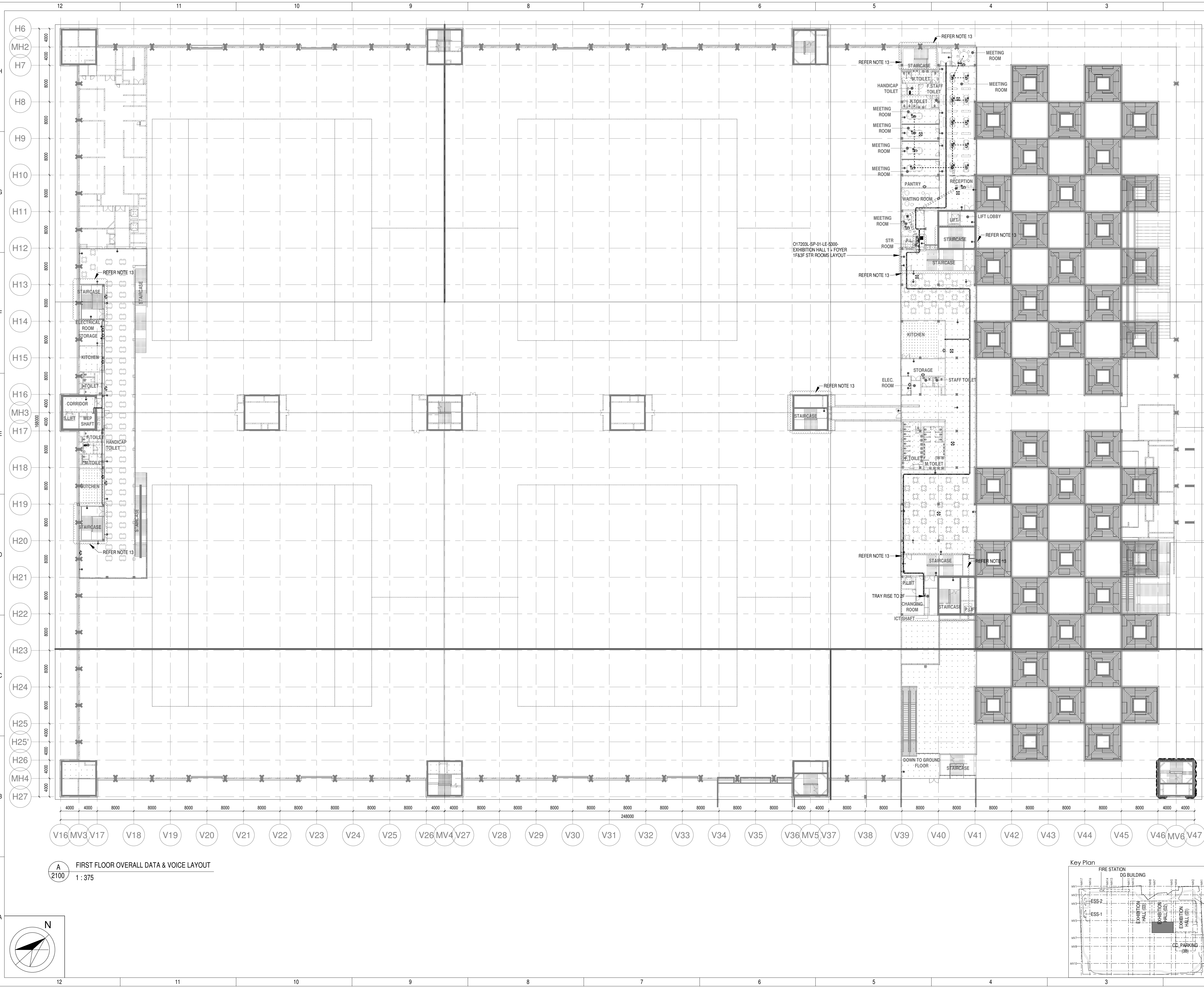
Drawing No	Rev. No
L 01 2000	R0

Title :
EXHIBITION HALL-01
EXHIBITION HALL 1+ Foyer GF DATA & VOICE OVER ALL LAYOUT

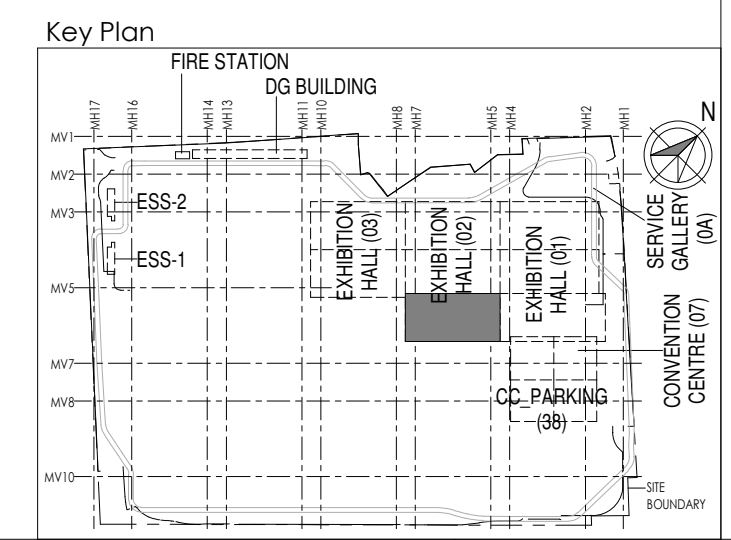
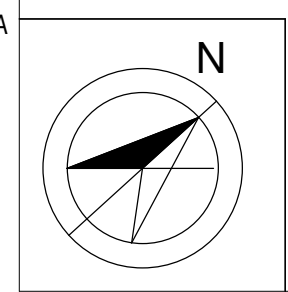
EDRC DWG No : 017203 - L - SP - 01 - DV - 2000	Scale As indicated	Sheet Size A1
---	-----------------------	------------------

This drawing is the property of L&T Construction. B&E-EDRC and must not be passed on to any person or body nor be copied or otherwise made use either in full or in part by such person or body without our prior permission in writing.

O17203 - L - SP - 01 - DV - 2100 EXHIBITION HALL 1+FOYER-1 FIRST FLOOR OVERALL DATA & VOICE LAYOUT



A
2100
FIRST FLOOR OVERALL DATA & VOICE LAYOUT
1:375



Owner / Employer

India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry,
DIP, 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
Room No. 341 & 3rd Floor Hotel Ashok, Diplomatic Enclave, 508 Chanakya Park, New Delhi - 110021

Employer's Representative

Employer's Engineer
Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

idom
Av. Del Monasterio de El Escorial, 4,
28049 Madrid, Spain

CPKUREJA ARCHITECTS
No.D-1, Ashirwad Building, Green Park,
New Delhi, Delhi 110016, India

EPC Contractor

L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manapakkam,
P.O.No.779, Chennai - 600 089

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, Pamposh Enclave, G.K-1
New Delhi, Delhi 110048, India

Structural Proof Consultant
Indian Institute of Technology (IIT) Madras
Sardar Patel Rd. Opposite to C. L.R.I. Adyar, Chennai,
Tamil Nadu 600036

MEP Proof Consultant
egis Egis India Consulting Engineers Pvt. Ltd.
Plot No. 66, Sector 32, Institutional Area,
Opp. Zenith Solutions, Gurgaon,
Haryana 122001

ICT Proof Consultant
CCR CCR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Narayana Arcade,
Subbaramachetty Road, Melkote Circle,
Basavanagudi, Bengaluru - 560004

Certification

EPC Contractor

Design Consultant

Architectural Consultant

Proof Consultant

Structural	MEP	ICT
-------------------	------------	------------

PEAC

Issued by:
Employer / Employer's Engineer

Revisions

REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R0	ISSUED AS GOOD FOR CONSTRUCTION	16-08-2019	SP	PSY	MSK	GMR

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 2100 R0

Rev. No

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

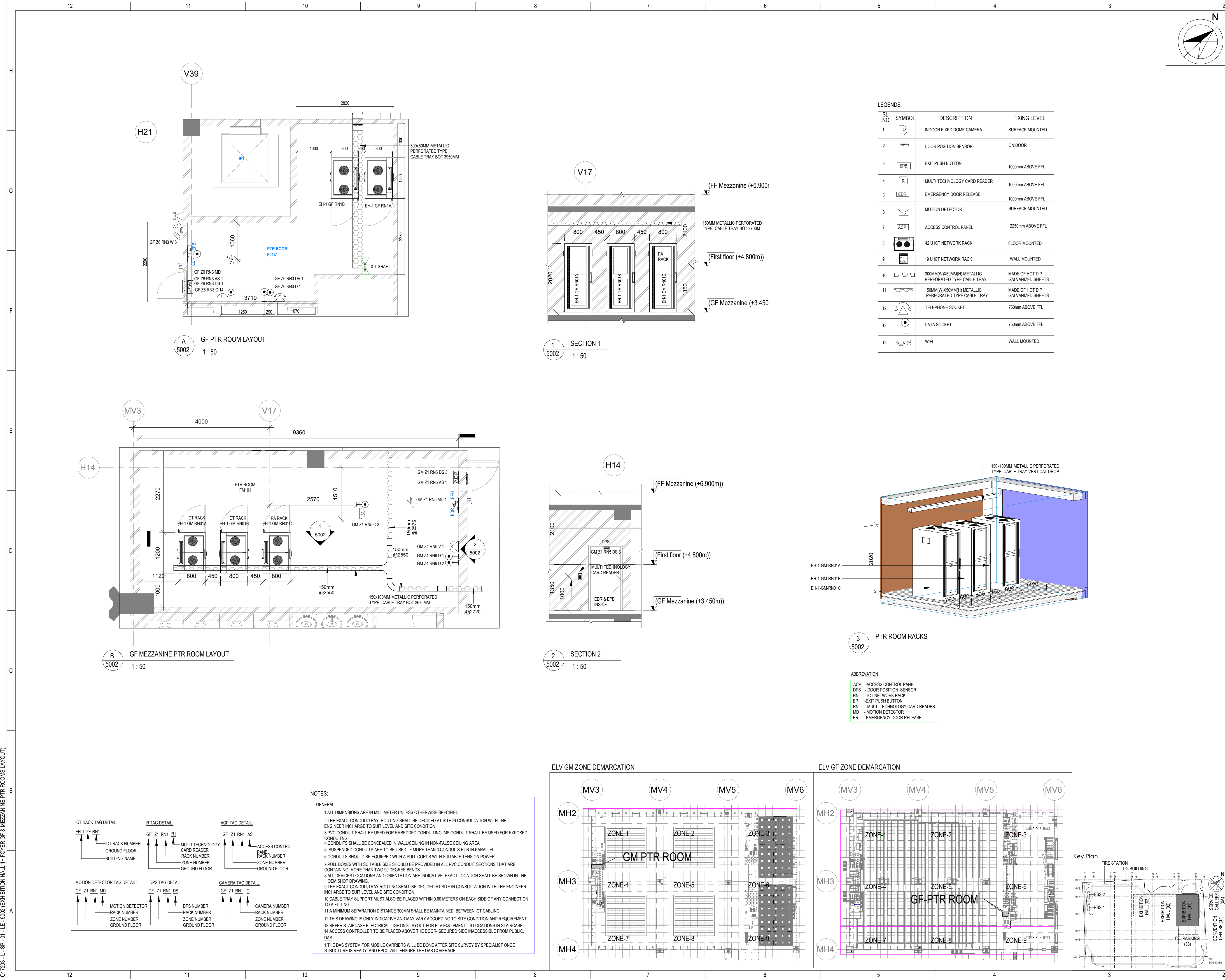
EDRC DWG No :
O17203 - L - SP - 01 - DV - 2100

Scale
1:375

Sheet Size
A1

This drawing is the property of L&T Construction. B&F-EDRC and must not be passed on to any person or body nor be copied or otherwise made use of without our prior permission in writing.

O17203 - L - SP - 01 - LE - 5002 EXHIBITION HALL 1+ FOYER GF & MEZZANINE PTR ROOMS LAYOUT



Owner / Employer

India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry,
DPP, 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
Room No. 341 B, 3rd Floor Hotel Ashok, Diplomatic Enclave, 508 Chanakyapuri, New Delhi - 110021

Employer's Representative

Employer's Engineer

Programme Management Consultant (PMC)

Preliminary Engineering Architecture Consultants (PEAC)

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

No.D-1, Ashwini Building, Green Park, New Delhi, Delhi 110016, India

EPC Contractor

L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manappakkam, P.B.No.979, Chennai - 600 089

EPC Contractor's Representatives

Design Consultant

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

Architectural Consultant

Arco Associates Pvt. Ltd.
A-15, Pampose Enclave, G.K.-1
New Delhi, Delhi 110048, India

Structural Proof Consultant

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

MEP Proof Consultant

Egis India Consulting Engineers Pvt. Ltd.
Plot No. 66, Sector 32, Institutional Area, Opp: Zenith Solutions, Gurugram, Haryana 122001

ICT Proof Consultant

CCR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Narayana Arcade, Subaramachetty Road, Nellikoppa Circle, Basavanagudi, Bengaluru - 560004

Certification

EPC Contractor

Design Consultant

Architectural Consultant

Proof Consultant

Structural

MEP

ICT

PEAC

Issued by:

Employer / Employer's Engineer

R0

ISSUED AS GOOD FOR CONSTRUCTION

16-08-2019

SP

PSY

MSK

GMR

REV

DESCRIPTION

DATE

DSGN

DRWN

CHKD

APPD

Revisions

ARCHITECTURE

STRUCTURAL

ELECTRICAL

ELV SYSTEM

HVAC

CHECKED BY

SIGN

DATE

PPS

PIPING

PHE

GIS

GEOTECH.

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

5002

R0

Rev. No

Title :

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

EDRC DWG No :

O17203 - L - SP - 01 - LE - 5002

Scale

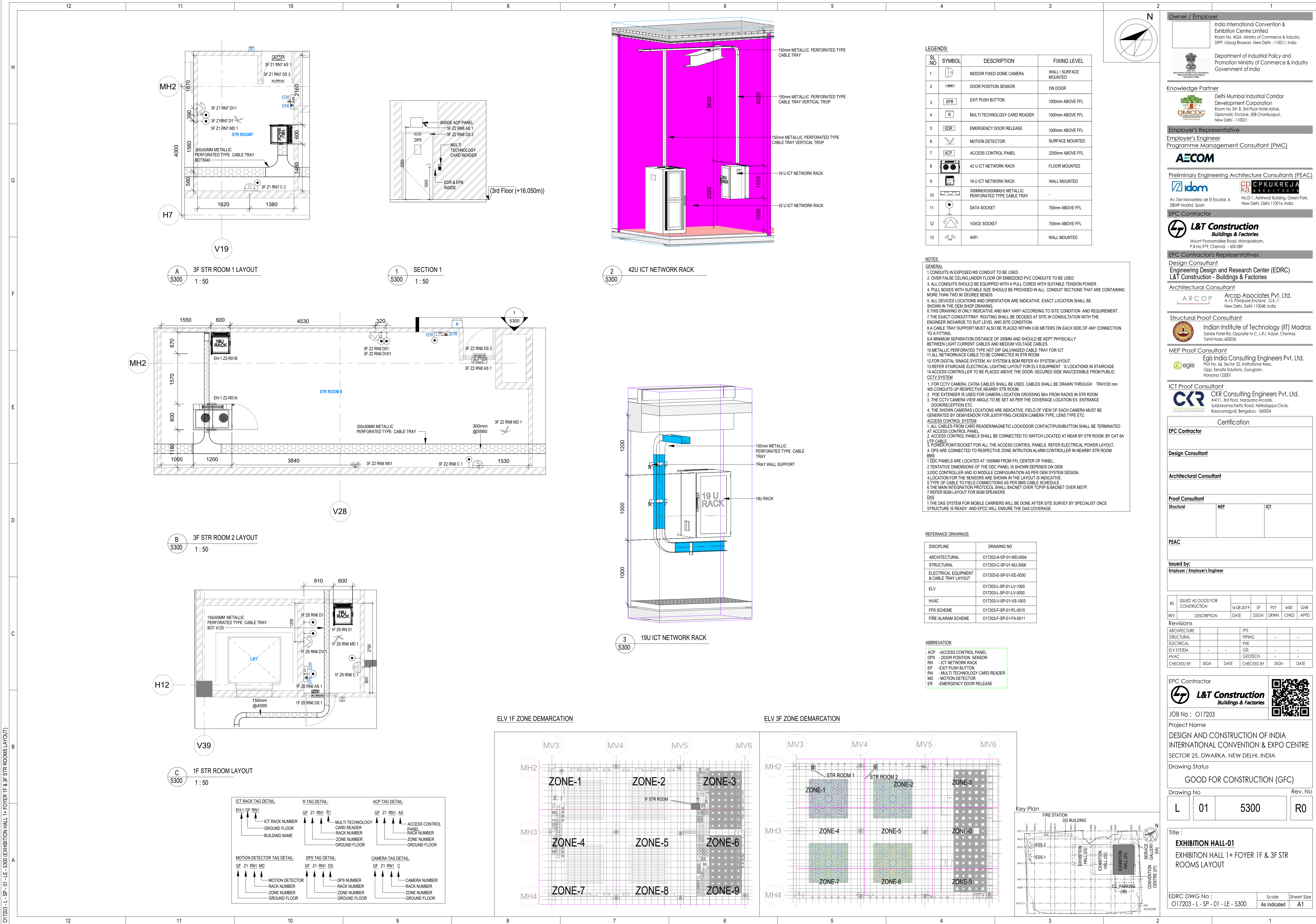
As indicated

Sheet Size

A1

This drawing is the property of L&T Construction. B&F-EDRC and must not be passed on to any person or body not authorised by us to receive it nor be copied or otherwise made use of either in full or in part by such person or body without our prior permission in writing.

O17203-L-SP-01-LE-5300 (EXHIBITION HALL 1+ FOYER 1F & 3F STR ROOMS LAYOUT)



Owner / Employer

India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry,
DIP, Jyoti Bhowan, 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
Room No 341 & 3rd Floor Hotel Ashok, Diplomatic Enclave, 508 Chankyapuri, New Delhi - 110021

Employer's Representative

Employer's Engineer
Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

Av. Del Monasterio de B Escorial, 4, 28049 Madrid, Spain
No D-1, Ashwini Building, Green Park, New Delhi, Delhi 110016, India

EPC Contractor

L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manapakkam, P.O.No.779, Chennai - 600 089

EPC Contractor's Representatives

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

Architectural Consultant

Arco Associates Pvt. Ltd.
A-13, Pampose Enclave, G.K-1 New Delhi, Delhi 110048, India

Structural Proof Consultant

Indian Institute of Technology (IIT) Madras
Sardar Patel Rd. Opposite to C. L.R.I. Adyar, Chennai, Tamil Nadu 600034

MEP Proof Consultant

Egis India Consulting Engineers Pvt. Ltd.
Plot No. 46, Sector 32, Institutional Area, Opp. Zenith Solutions, Gurugram, Haryana 122001

ICT Proof Consultant

CKR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Narayana Arcade, Subbaramachetty Road, Nerul/Kalpapp Circle, Basavanagudi, Bengaluru - 560004

Certification

EPC Contractor

Design Consultant

Architectural Consultant

Proof Consultant

PEAC

Issued by:
Employer / Employer's Engineer

RO

ISSUED AS GOOD FOR CONSTRUCTION

16-08-2019

SP

PSY

MSK

GNR

Revisions

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

PEAC

Issued by:
Employer / Employer's Engineer

RO

ISSUED AS GOOD FOR CONSTRUCTION

16-08-2019

SP

PSY

MSK

GNR

Revisions

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

PEAC

Issued by:
Employer / Employer's Engineer

RO

ISSUED AS GOOD FOR CONSTRUCTION

16-08-2019

SP

PSY

MSK

GNR

Revisions

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

PEAC

Issued by:
Employer / Employer's Engineer

RO

ISSUED AS GOOD FOR CONSTRUCTION

16-08-2019

SP

PSY

MSK

GNR

Revisions

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

PEAC

Issued by:
Employer / Employer's Engineer

RO

ISSUED AS GOOD FOR CONSTRUCTION

16-08-2019

SP

PSY

MSK

GNR

Revisions

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

PEAC

Issued by:
Employer / Employer's Engineer

RO

ISSUED AS GOOD FOR CONSTRUCTION

16-08-2019

SP

PSY

MSK

GNR

Revisions

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

PEAC

Issued by:
Employer / Employer's Engineer

RO

ISSUED AS GOOD FOR CONSTRUCTION

16-08-2019

SP

PSY

MSK

GNR

Revisions

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

PEAC

Issued by:
Employer / Employer's Engineer

RO

ISSUED AS GOOD FOR CONSTRUCTION

16-08-2019

SP

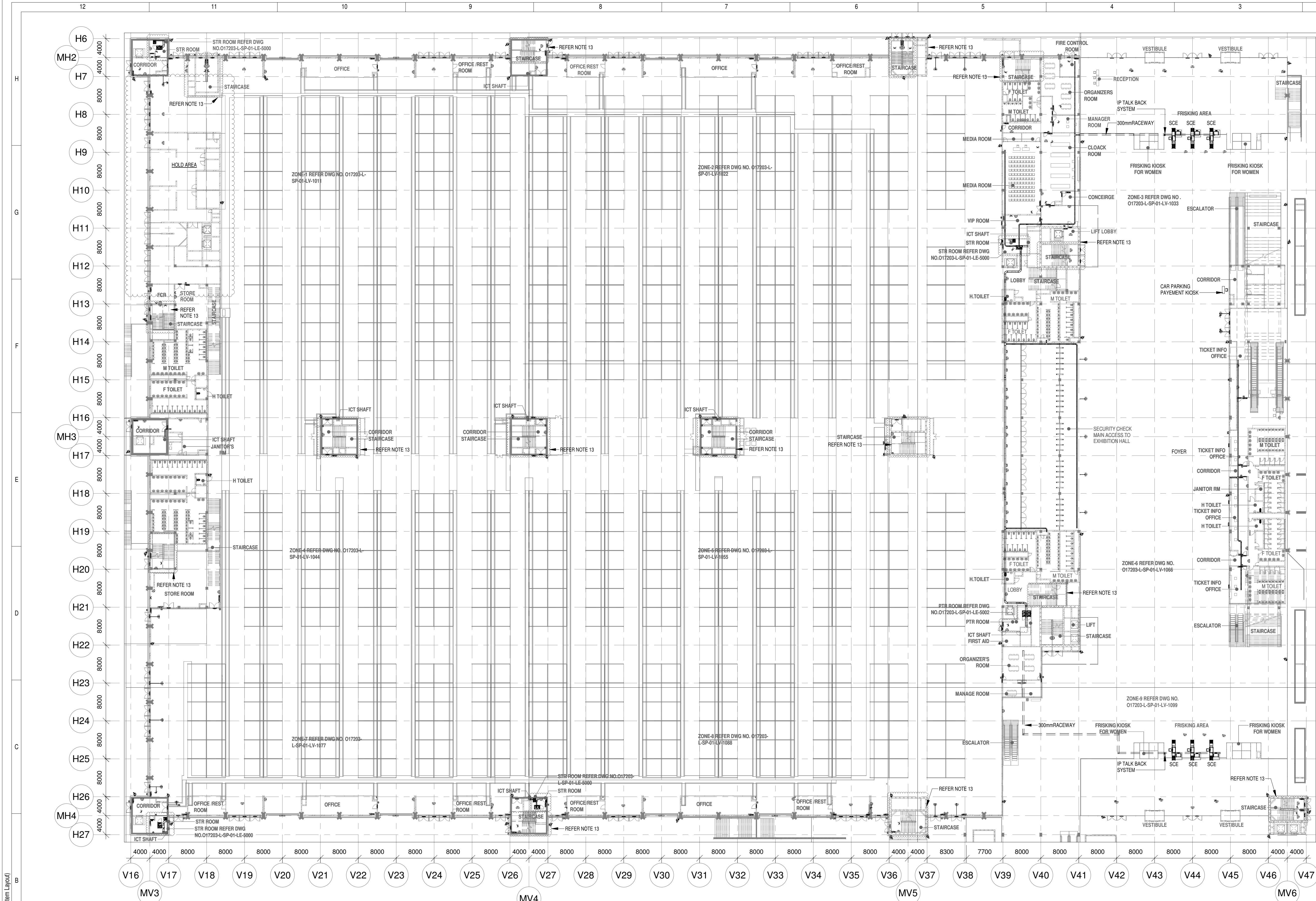
PSY

MSK

GNR

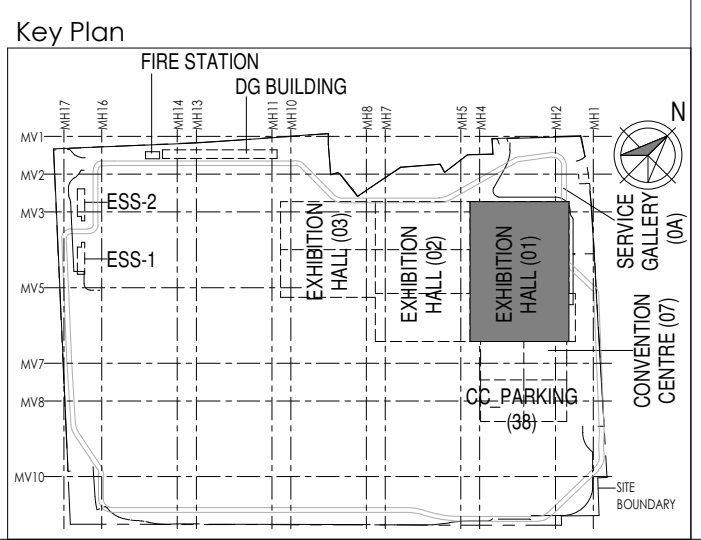
Revisions

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



1
1000
GROUND FLOOR ELV SYSTEM LAYOUT OVERALL PLAN
1 : 400

- 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 NETWORKING CABLES 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 (REFER DRAWING NO 017203-E-SP-01-LV-146 TO-150)
 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 BACKUP OVER TCP/IP & BACKUP 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 EPC WILL ENSURE THE DAS COVERAGE.



Owner / Employer

India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry,
DIPF, 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
Room No. 341 B, 3rd Floor Hotel Anshok, Diplomatic Enclave, 508 Chankapuri, New Delhi - 110021

Employer's Representative

Employer's Engineer
Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

idom
Av. Del Monasterio de El Escorial, 4,
28049 Madrid, Spain

CPKUREJA ARCHITECTS
No.D-1, Ashwini Building, Green Park,
New Delhi, Delhi 110016, India

EPC Contractor

L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manapakkam,
P.O.No.779, Chennai - 600 089

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, Pamposh Enclave, G.K-1
New Delhi, Delhi 110048, India

Structural Proof Consultant

Indian Institute of Technology (IIT) Madras
Sardar Patel Rd, Opposite to C. L.R.J. Adyar, Chennai,
Tamil Nadu 600036

MEP Proof Consultant

egis Egis India Consulting Engineers Pvt. Ltd.
Plot No. 66, Sector 32, Institutional Area,
Opp. Zenith Solutions, Gurgaon,
Haryana 122001

ICT Proof Consultant

CCR CCR Consulting Engineers Pvt. Ltd.
#47/1, 3rd floor, Narayana Arcade,
Subbaramachetty 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

REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R0	ISSUED AS GOOD FOR CONSTRUCTION	16-08-2019	SP	PSY	MSK	GMR

Revisions

ARCHITECTURE	PPS
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 : 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 01 1000

Rev. No
R0

Title :
EXHIBITION HALL-01
Exhibition Hall 1 + Foyer GF Over All ELV System Layout

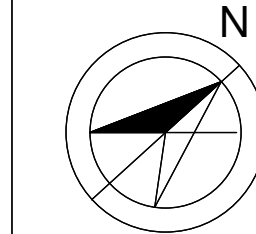
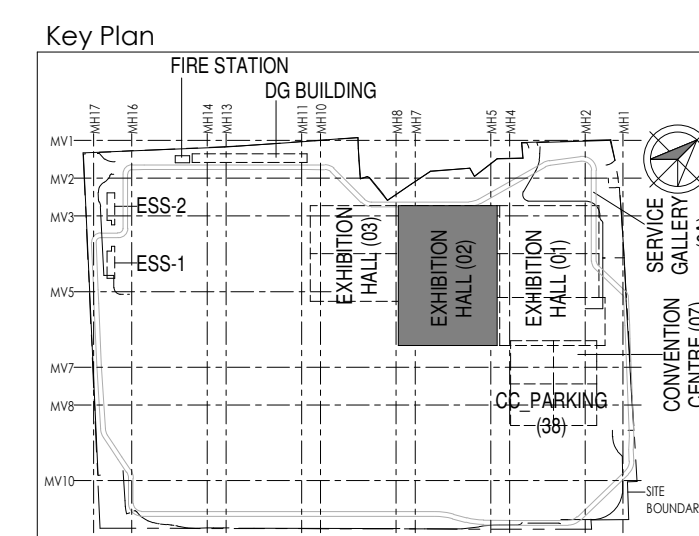
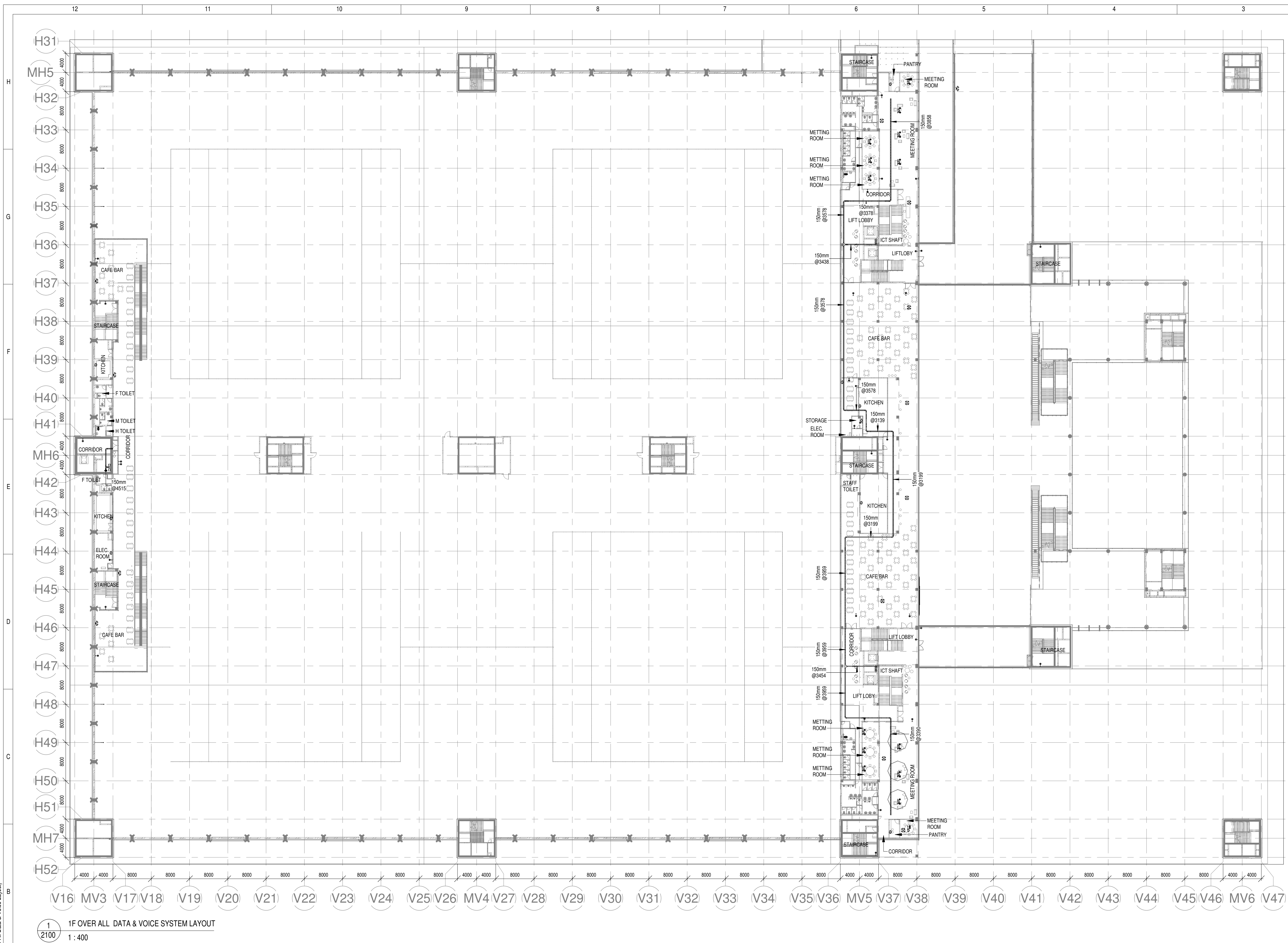
EDRC DWG No :
017203 - L - SP - 01 - LV - 1000

Scale
As indicated

Sheet Size
A1

017203 - L - SP - 01 - LV - 1000 (Exhibition Hall 1 + Foyer GF Over All ELV System Layout)

This drawing is the property of L&T Construction. B&F-EDRC and must not be passed on to any person or body nor be copied or otherwise made use either in full or in part by such person or body without our prior permission in writing.



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



Knowledge Partner

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

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

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

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

No.D-1, Ashinwad Building, Green Park,
New Delhi, Delhi 110016, India

EPC Contractor

 **L&T Construction**
Buildings & Factories

Mount Poonamallee Road, Manappakkam,
P.B.No.979, Chennai – 600 089

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, Pamposh Enclave, G.K.-1
New Delhi, Delhi 110048, India

Structural Proof Consultant

 Indian Institute of Technology (IIT) Madras
Sardar Patel Rd. Opposite to C. I.R.J, Adyar, Chennai,
Tamil Nadu 600036

MEP Proof Consultant
Egis India Consulting Engineers Pvt. Ltd.
Plot No. 66, Sector 32, Institutional Area,
Opp: Zenatix Solutions, Gurugram,
Haryana 122001

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

Certification		
<u>EPIC Contractor</u>		
<u>Design Consultant</u>		
<u>Architectural Consultant</u>		
<u>Proof Consultant</u>		
Structural	MEP	ICT
<u>PEAC</u>		
<u>Issued by:</u>		
Employer / Employer's Engineer		

R0	ISSUED AS GOOD FOR CONSTRUCTION						
			27-08-2019	SP	PSY	MSK	GNR
REV	DESCRIPTION		DATE	DSGN	DRWN	CHKD	APPD
Revisions							
ARCHITECTURE				FFS			
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)

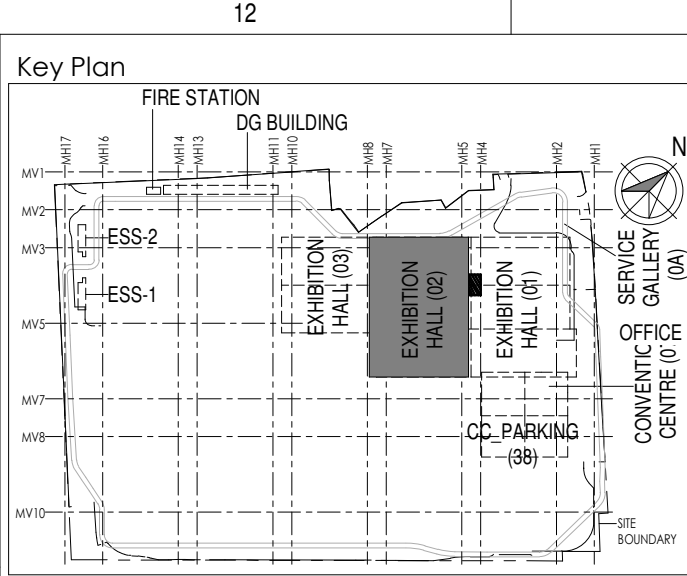
Drawing No			Rev. No
L	02	2100	R0

Title : **EXHIBITION HALL-02**
Exhibition Hall 2 + Foyer 1F Over All Data & Voice Layout

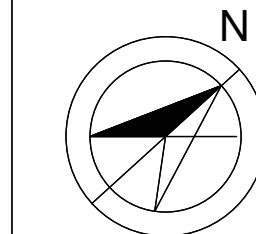
EDRC DWG No : O17203 - L - SP - 02 - DV - 2100	Scale 1 : 400	Sheet Size A1
---	------------------	------------------

NOTE: WIFI ACCESS POINTS ARE INDICATIVE. THE WAP SHALL BE PLACED BASED IN FINAL SITE SURVEY BY VENDOR

A	B	C	D
This drawing is the property of L&T Construction, B&F-EDRC and must not be passed on to any person or body not authorised by us to receive it nor be copied or otherwise made use either in full or in part by such person or body without our prior permission in writing.			



MH4
H27
H28
H29
H30



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
Room No. 341 & 3rd Floor Hotel Anahat, Diplomatic Enclave, 508 Chanakya, New Delhi - 110021

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

Preliminary Engineering Architecture Consultants (PEAC)

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

No.D-1, Ashirwad Building, Green Park, New Delhi, Delhi 110016, India

EPC Contractor

L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manapakkam, P.O.No.779, Chennai - 600 089

EPC Contractor's Representatives
Design Consultant
Engineering Design and Research Center (EDRC)
L&T Construction - Buildings & Factories

Architectural Consultant

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

Structural Proof Consultant

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

MEP Proof Consultant

Egis India Consulting Engineers Pvt. Ltd.
Plot No. 66, Sector 32, Institutional Area, Opp. Zenith Solutions, Gurgaon, Haryana 122001

ICT Proof Consultant

CCR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Narayana Arcade, Subbaramachetty Road, Neelakappa Circle, Basavanagudi, Bengaluru - 560004

Certification			
EPC Contractor			
Design Consultant			
Architectural Consultant			
Proof Consultant			
Structural	MEP	ICT	
PEAC			
Issued by: Employer / Employer's Engineer			

R0	ISSUED AS GOOD FOR CONSTRUCTION	26-08-2019	SP	PSY	MSK	GMR
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	

EPC Contractor

L&T Construction
Buildings & Factories

JOB No : 017203

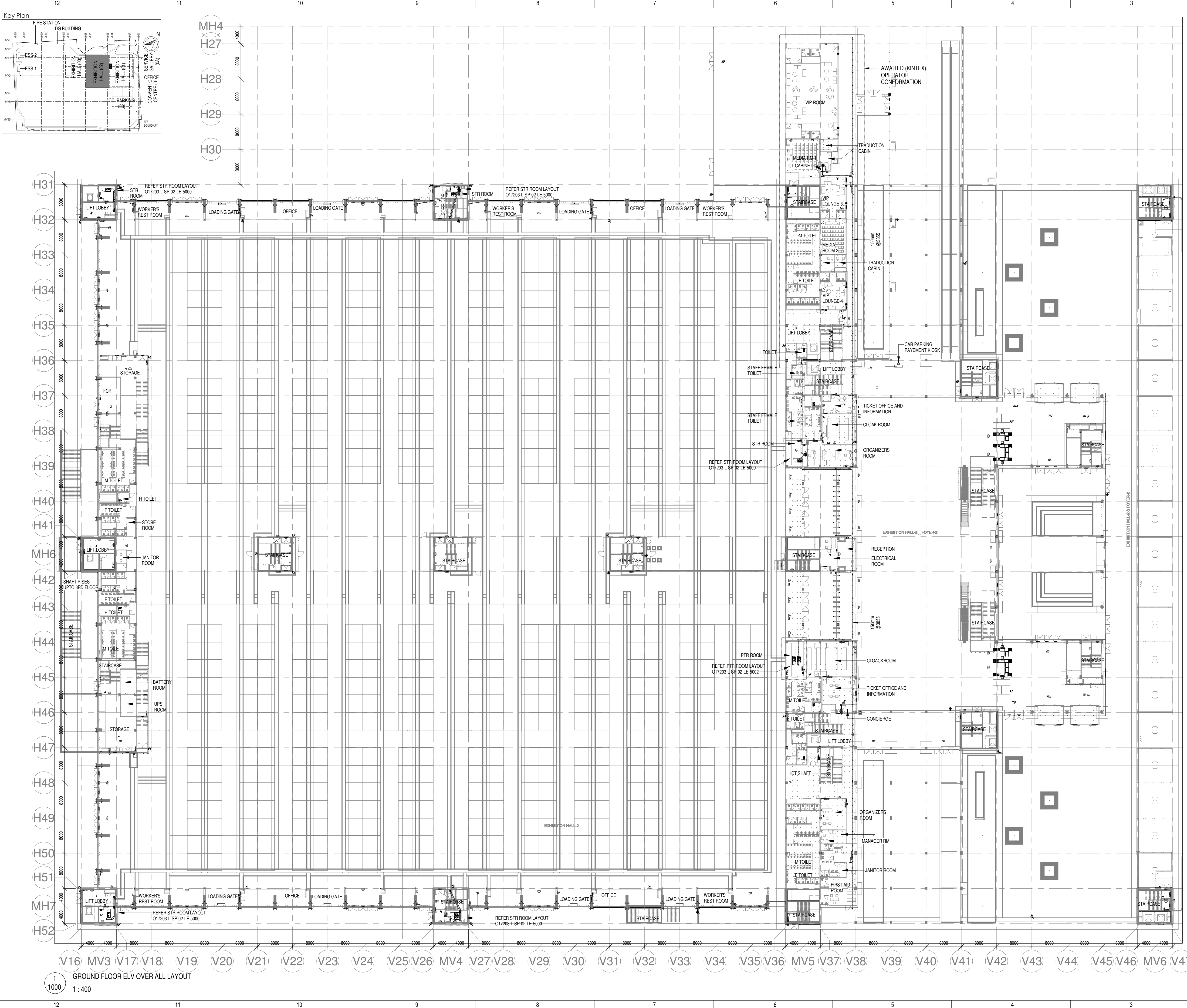
Project Name
DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTION & EXPO CENTRE SECTOR 25, DWARKA, NEW DELHI, INDIA

Drawing Status
GOOD FOR CONSTRUCTION (GFC)

Drawing No	Rev. No
L 02 1000	R0

Title :
EXHIBITION HALL-02
Exhibition Hall 2 + Foyer GF Over All ELV System Layout

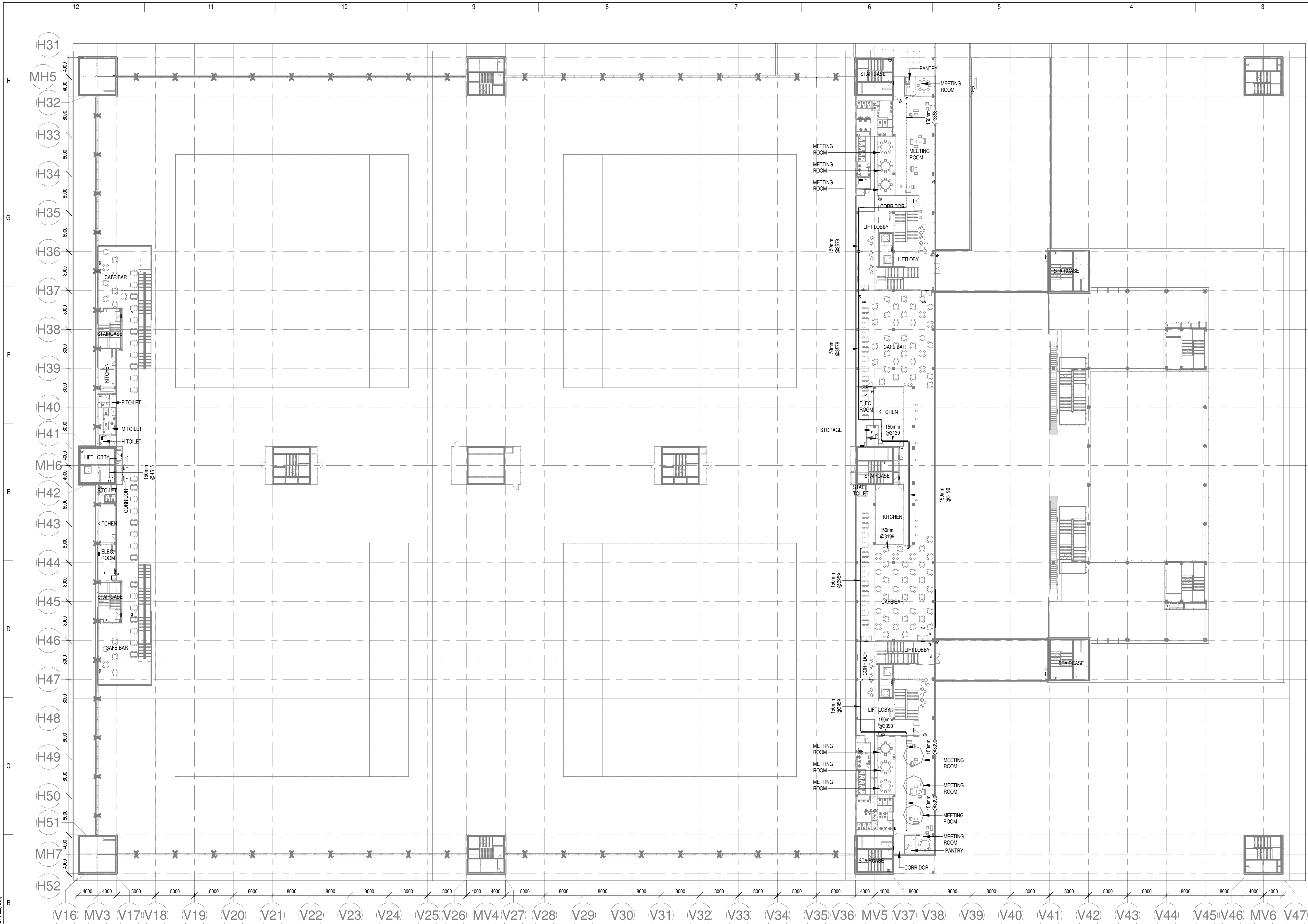
EDRC DWG No : 017203 - L - SP - 02 - LV - 1000	Scale As indicated	Sheet Size A1
---	-----------------------	------------------



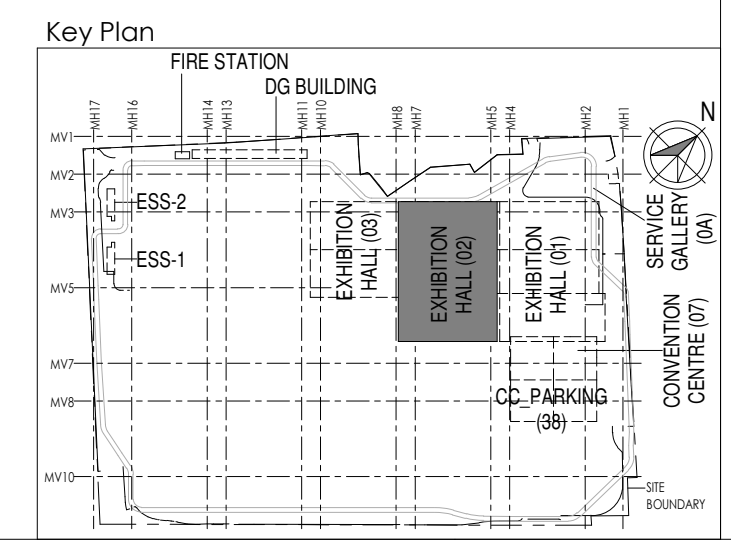
017203 - L - SP - 02 - LV - 1000 (Exhibition Hall 2 + Foyer GF Over All ELV System Layout)

This drawing is the property of L&T Construction. B&F-EDRC and must not be passed on to any person or body not authorised by us to receive it nor be copied or otherwise made use either in full or in part by such person or body without our prior permission in writing.

O17203 - L - SP - 02 - LV - 1100 (Exhibition Hall 2 + Foyer 1F Over All ELV System Layout)



1
1100
1F ELV OVER ALL SYSTEM LAYOUT
1 : 400



Owner / Employer
India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry,
DPP, 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
Room No. 341 & 3rd Floor Hotel Anshok,
Diplomatic Enclave, 508 Connaught Place,
New Delhi - 110021


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

Preliminary Engineering Architecture Consultants (PEAC)

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

No.D-1, Ashirwad Building, Green Park,
New Delhi, Delhi 110016, India

EPC Contractor

L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manapakkam,
P.O.No.979, Chennai - 600 089

EPC Contractor's Representatives
Design Consultant
Engineering Design and Research Center (EDRC)
L&T Construction - Buildings & Factories
Architectural Consultant

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

Structural Proof Consultant

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

MEP Proof Consultant

Egis India Consulting Engineers Pvt. Ltd.
Plot No. 66, Sector 32, Institutional Area,
Gurgaon, Haryana 122001

ICT Proof Consultant

CCR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Narayana Arcade,
Subbaramachetty Road, Neelakappa Circle,
Basavanagudi, Bengaluru - 560004

Certification
EPC Contractor
Design Consultant
Architectural Consultant
Proof Consultant

Structural	MEP	ICT

PEAC
Issued by:
Employer / Employer's Engineer

REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R0	ISSUED AS GOOD FOR CONSTRUCTION	27-08-2019	SP	PSY	MSK	GMR

Revisions

ARCHITECTURE	PIPING	FPS
STRUCTURAL	PHE	-
ELECTRICAL	GIS	-
ELV SYSTEM	GEOTECH.	-
HVAC	-	-

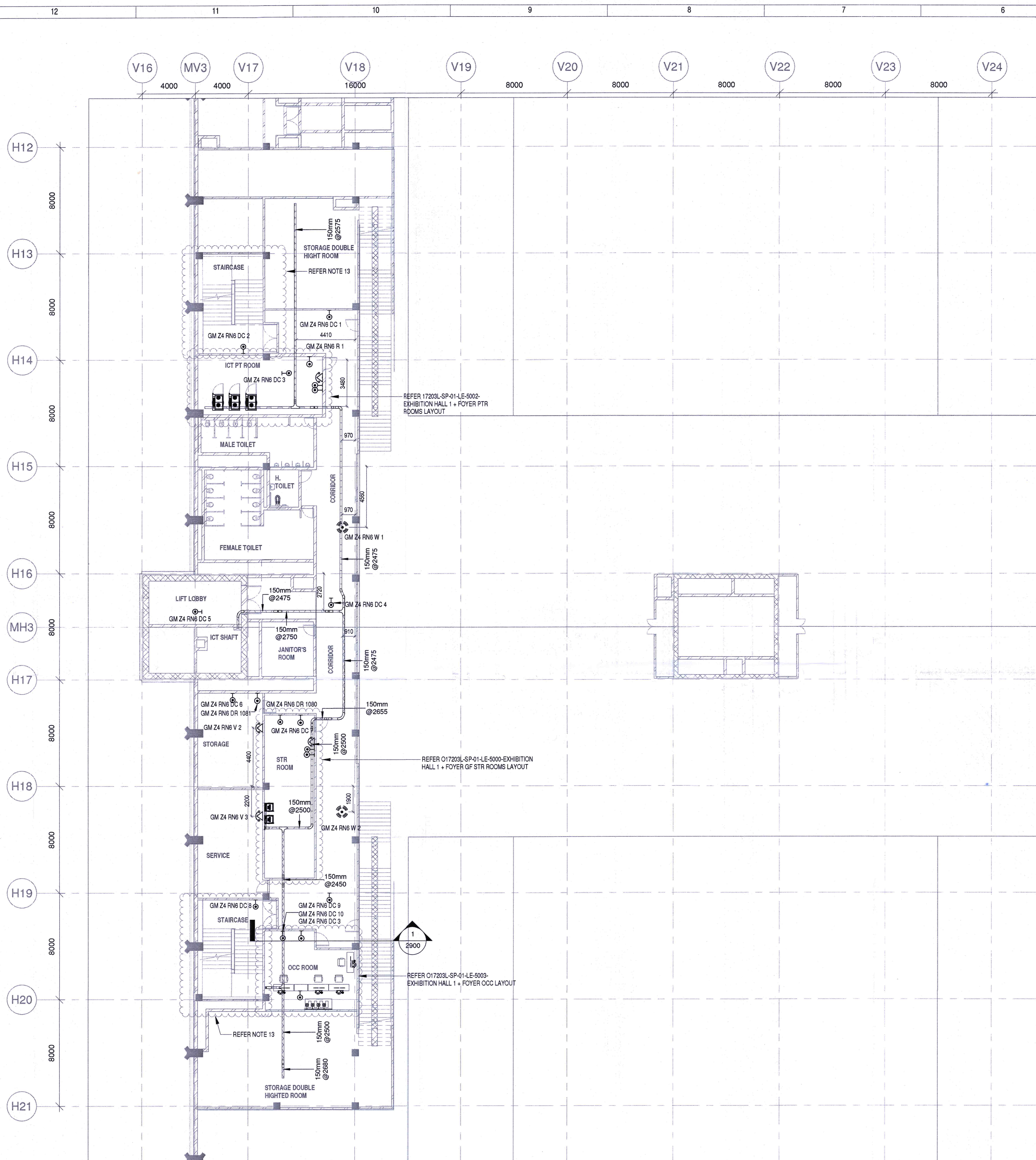
CHECKED BY	SIGN	DATE	CHECKED BY	SIGN	DATE

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 02 1100 R0
Rev. No

Title :
EXHIBITION HALL-02
Exhibition Hall 2 + Foyer 1F Over All ELV
System Layout
EDRC DWG No :
O17203 - L - SP - 02 - LV - 1100
Scale
1 : 400
Sheet Size
A1

This drawing is the property of L&T Construction. B&F-EDRC and must not be passed on to any person or body not authorised by us to receive it nor be copied or otherwise made use either in full or in part by such person or body without our prior permission in writing.



NOTES

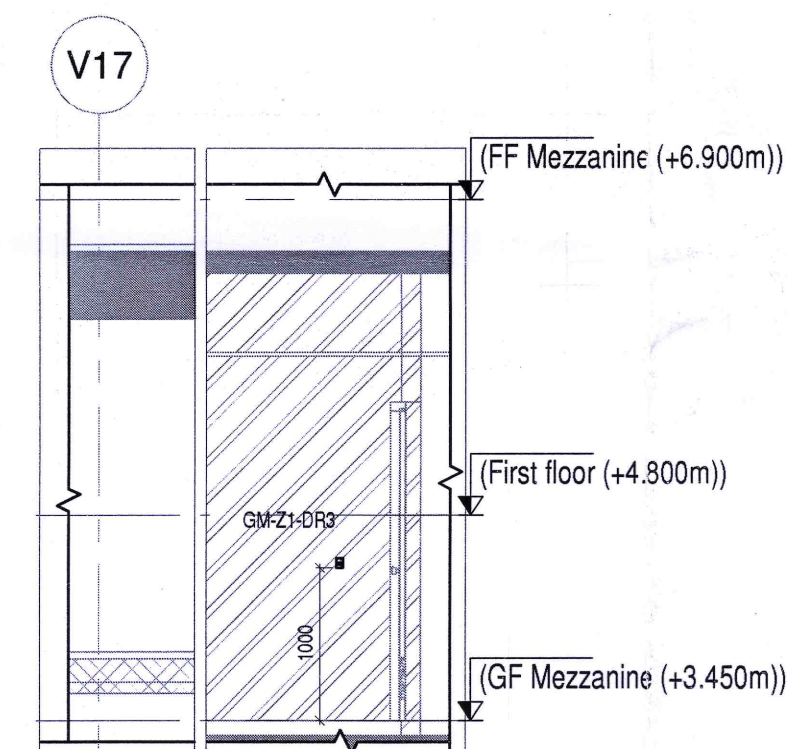
- CONDUITS IN EXPOSED MS CONDUIT TO BE USED.
 - OVER FALSE CEILING UNDER FLOOR OR EMBEDDED PVC CONDUITS TO BE USED.
 - PULL BOXES WITH SUITABLE SIZE SHOULD BE PROVIDED IN ALL CONDUIT SECTIONS THAT ARE CONTAINING MORE THAN TWO 90 DEGREE BENDS.
 - ALL DEVICES LOCATIONS AND ORIENTATION ARE INDICATIVE. EXACT LOCATION SHALL BE SHOWN IN THE DEM 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.
 - 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 CABLES TO BE CONNECTED IN STR ROOM.
 - FOR DIGITAL SIGNAGE SYSTEM, AV SYSTEM & BGM REFER AV SYSTEM LAYOUT.
 - REFER STAIRCASE ELECTRICAL LIGHTING LAYOUT FOR ELV EQUIPMENT'S LOCATIONS IN STAIRCASE.
 - ACCESS CONTROLLER TO BE PLACED ABOVE THE DOOR- SECURED SIDE INACCESSIBLE FROM PUBLIC.
- DATA & VOICE**
- 4 PAIR 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 1R OR 2R 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.
 - FINAL DATA/VOICE POINTS LOCATION BASED ON FINAL FURNITURE LAYOUTS.
- 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.

LEGENDS:

Sl. NO	SYMBOL	DESCRIPTION	FIXING LEVEL
1		DATA SOCKET	SURFACE / WALL MOUNTED
2		WIFI	SURFACE MOUNTED
3		VOICE SOCKET	WALL MOUNTED
4		300MM(W)X500MM(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



SECTION 1

1 : 50

TAG DETAIL:

DATA

GF- Z0 - RN1 - D01
DATA NUMBER
RACK NUMBER
ZONE NUMBER
GROUND FLOOR

TAG DETAIL:

VOICE

GF- Z0 - RN1 - V01
VOICE NUMBER
RACK NUMBER
ZONE NUMBER
GROUND FLOOR

TAG DETAIL:

WIFI

GF- Z0 - RN1 - W01
WIFI NUMBER
RACK NUMBER
ZONE NUMBER
GROUND FLOOR

TAG DETAIL:

DATA FOR CAMERA

GF- Z0 - RN1 - D01
CAMERA NUMBER
RACK NUMBER
ZONE NUMBER
GROUND FLOOR

TAG DETAIL:

DATA & VOICE

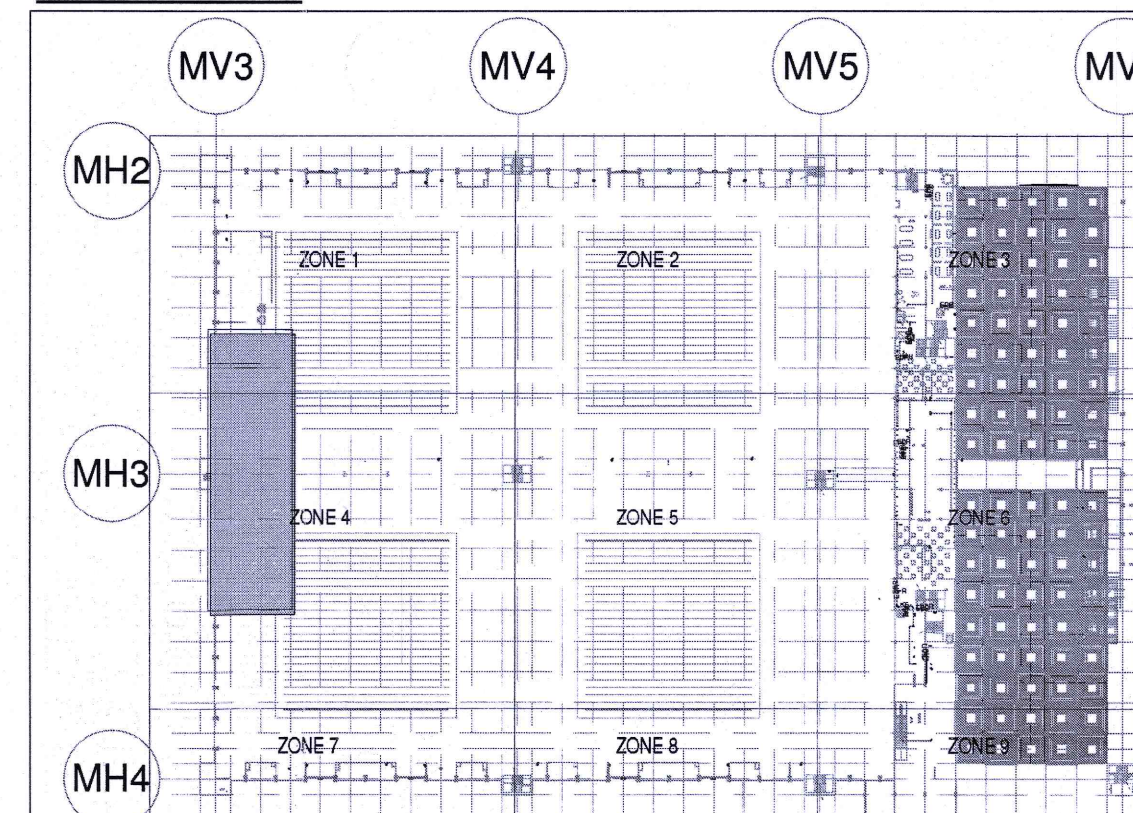
GF- Z0 - RN1 - DV1
DATA & VOICE
RACK NUMBER
ZONE NUMBER
GROUND FLOOR

TAG DETAIL:

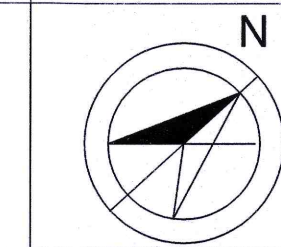
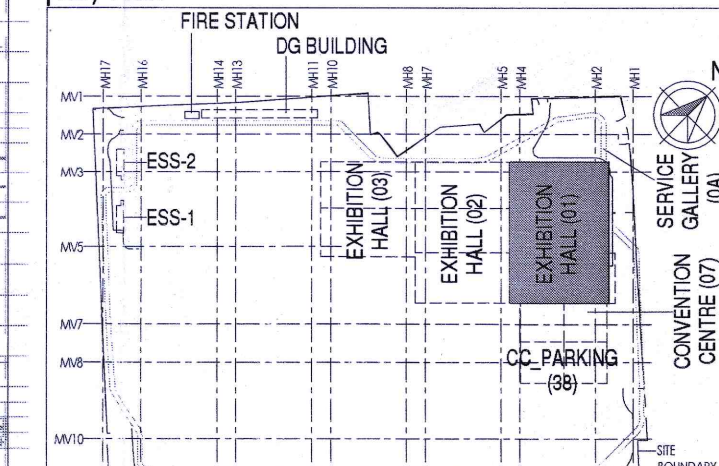
DATA FOR ACS

GF- Z0 - RN1 - DR1
ACS NUMBER
RACK NUMBER
ZONE NUMBER
GROUND FLOOR

ELV ZONE DEMARCATION



Key Plan



Owner / Employer
India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry, DFF, 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
Room No. 341 & 3rd Floor Hotel Ashok, Diplomatic Enclave, 508 Chanakyapuri, New Delhi - 110021

Employer's Representative
Programme Management Consultant (PMC)
AECOM

Preliminary Engineering Architecture Consultants (PEAC)
idom **CPKUREJA**
Av. Del Monasterio de El Escorial, 4, 28049 Madrid, Spain
No. 31, Ashwini Building, Green Park, New Delhi, Delhi 110016, India

EPC Contractor
L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manapakkam, P.B.No.979, Chennai - 600 089

EPC Contractor's Representatives
Design Consultant
Engineering Design and Research Center (EDRC)
L&T Construction - Buildings & Factories

Architectural Consultant
ARCOP **Atrop Associates Pvt. Ltd.**
A-15, Pampore Enclave, G.K-1, New Delhi, Delhi 110048, India

Structural Proof Consultant
Indian Institute of Technology (IIT) Madras
Sardar Patel Rd, Opposite to C.L.R.I, Adyar, Chennai, Tamil Nadu 600036

MEP Proof Consultant
Egis India Consulting Engineers Pvt. Ltd.
Plot No. 46, Sector 32, Institutional Area, Opp. Zenith Solutions, Gurgaon, Haryana 122001

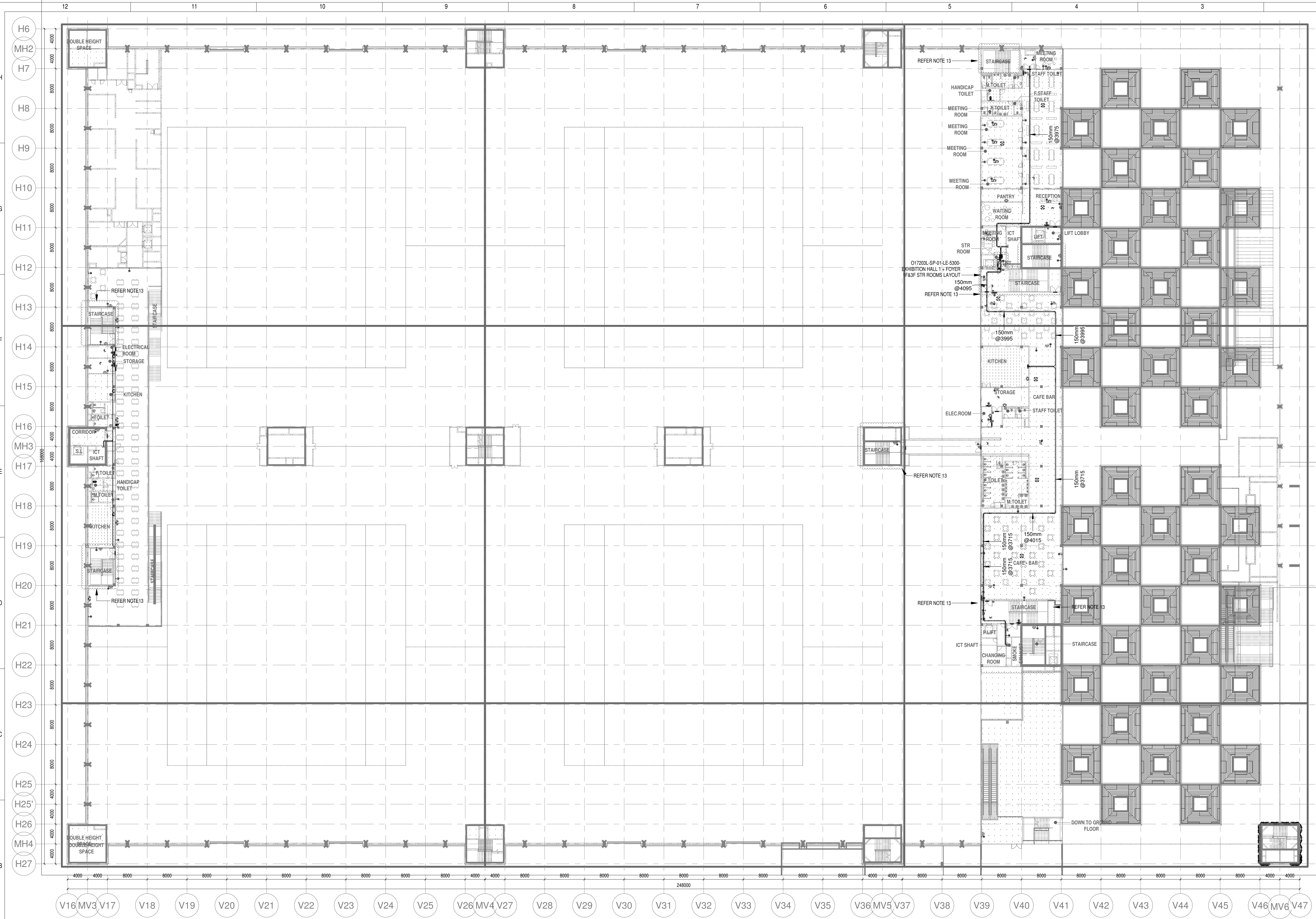
ICT Proof Consultant
CKR Consulting Engineers Pvt. Ltd.
#47/1, 3rd floor, Narayana Arcade, Subramaniam Road, Nellore, Andhra Pradesh, Basavanagudi, Bengaluru - 560004

Certification
EPC Contractor
Design Consultant
Architectural Consultant
Proof Consultant
Structural **MEP** **ICT**
Reviewed GFC drawing and ensured that all provisions, standards and procedures have been adhered to:
PEAC
Issued by: **Atrop Associates Pvt. Ltd.**
Employer / Employer's Engineer

ISSUED AS GOOD FOR CONSTRUCTION
REV DESCRIPTION DATE DSGN DRWN CHKD APPD
31-07-2019 SP PSY MSK GNR
Revisions
ARCHITECTURE PPS
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 2900 Rev. No R0
Title :
EXHIBITION HALL-01
Exhibition Hall 1 + Foyer Mezzanine Over All Data & Voice Layout
EDRC DWG No : O17203 - L - SP - 01 - DV - 2900 Scale As indicated Sheet Size A1

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

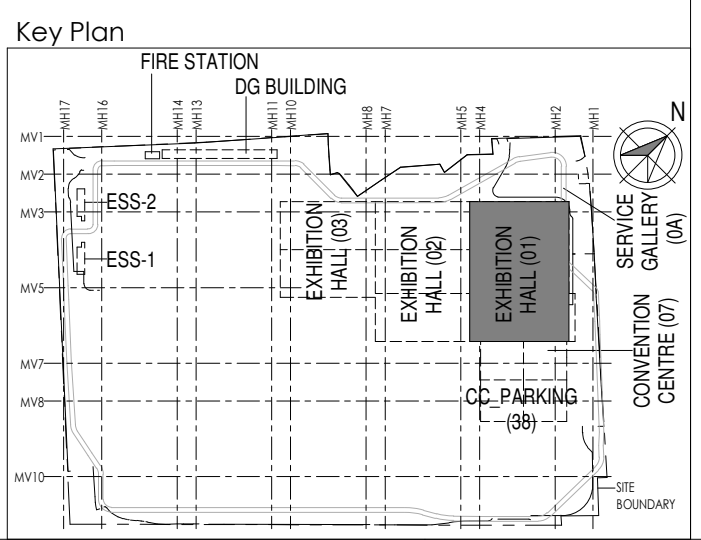


1100

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.



Owner / Employer

India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry,
DIP, 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
Room No.341 & 3rd Floor Hotel Ashok, Diplomatic Enclave, 508 Chanakya Park, New Delhi - 110021

Employer's Representative

Employer's Engineer
Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

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

No.D-1, Ashirwad Building, Green Park,
New Delhi, Delhi 110016, India

EPC Contractor

L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manapakkam,
P.O.No.779, Chennai - 600 089

EPC Contractor's Representatives

Design Consultant

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

Architectural Consultant

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

Structural Proof Consultant

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

MEP Proof Consultant

Egis India Consulting Engineers Pvt. Ltd.
Plot No. 66, Sector 32, Institutional Area,
Okhla, Gurgaon, Haryana 122001

ICT Proof Consultant

CCR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Narayana Arcade,
Subbaramachetty Road, Velupillai Prasad Circle,
Basavanagudi, Bengaluru - 560004

Certification

EPC Contractor

Design Consultant

Architectural Consultant

Proof Consultant

Structural

MEP

ICT

PEAC

Issued by:
Employer / Employer's Engineer

R0

ISSUED AS GOOD FOR CONSTRUCTION

31-07-2019

SP

PSY

MSK

GMR

REV

DESCRIPTION

DATE

DSGN

DRWN

CHKD

APPD

Revisions

NO	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
1	ISSUED AS GOOD FOR CONSTRUCTION	31-07-2019	SP	PSY	MSK	GMR

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

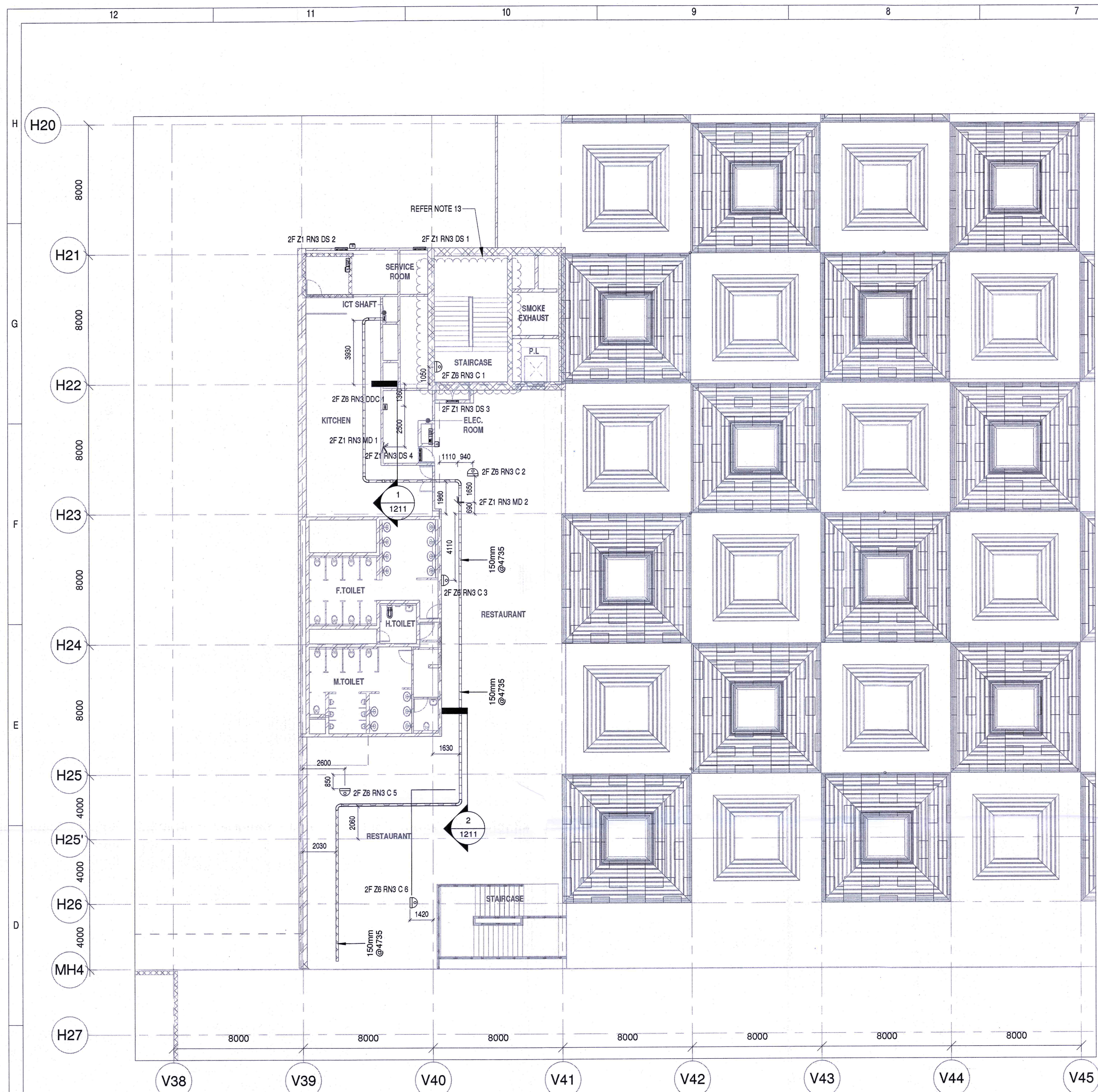
EDRC DWG No :

O17203 - L - SP - 01 - LV - 1100

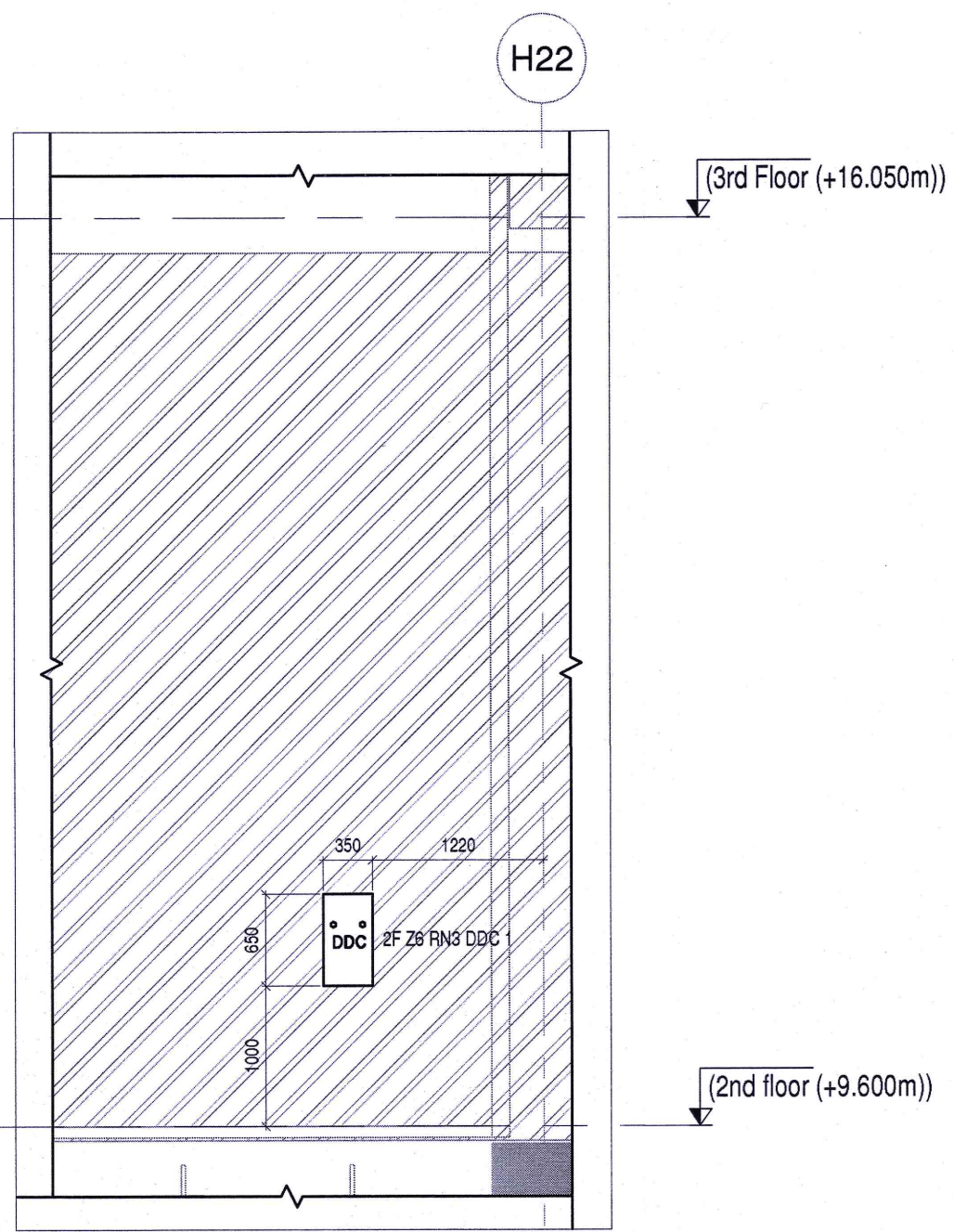
Scale
As indicated

Sheet Size
A1

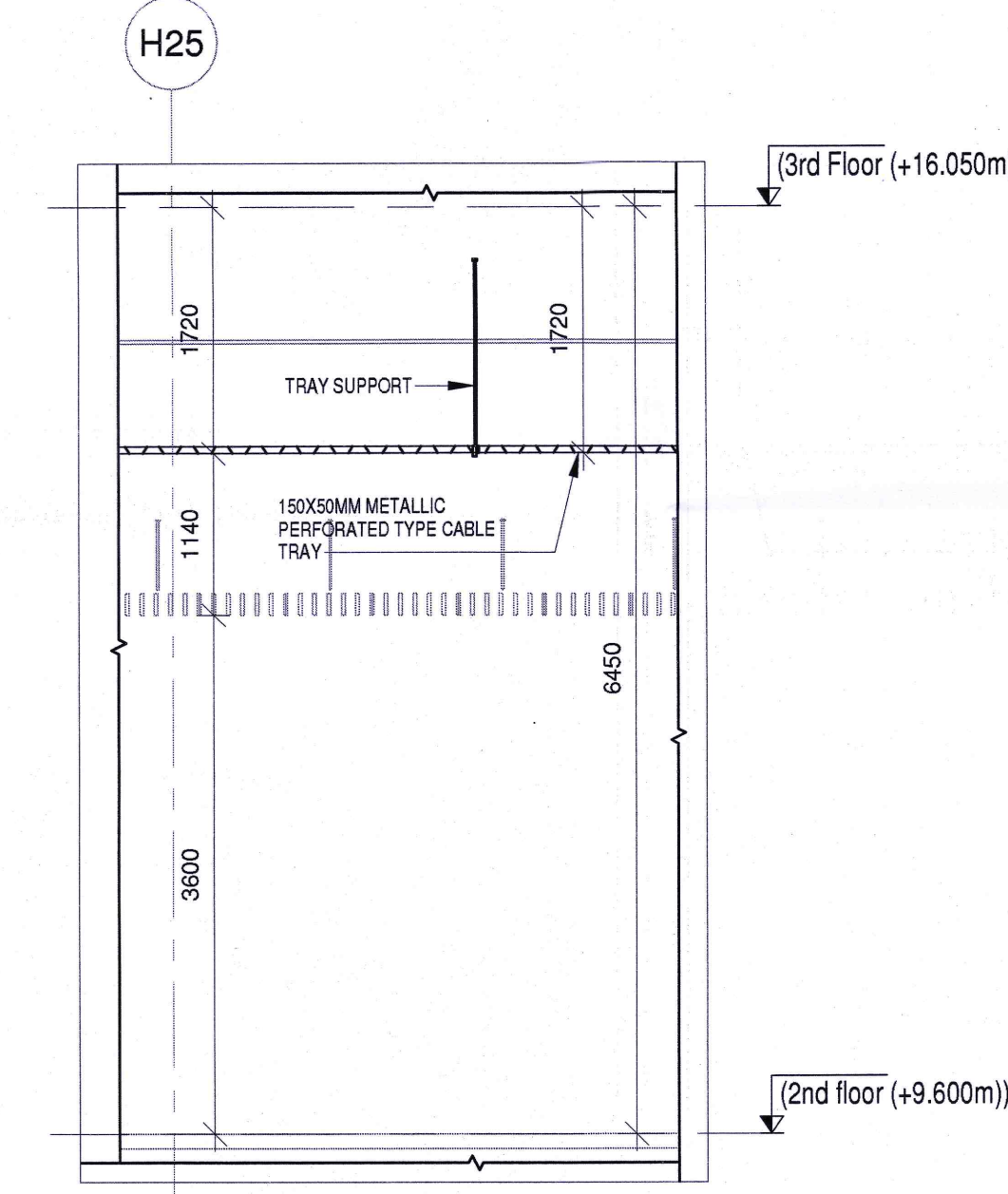
This drawing is the property of L&T Construction. BEE-EDRC and must not be passed on to any person or body nor be copied or otherwise made use either in full or in part by such person or body without our prior permission in writing.



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



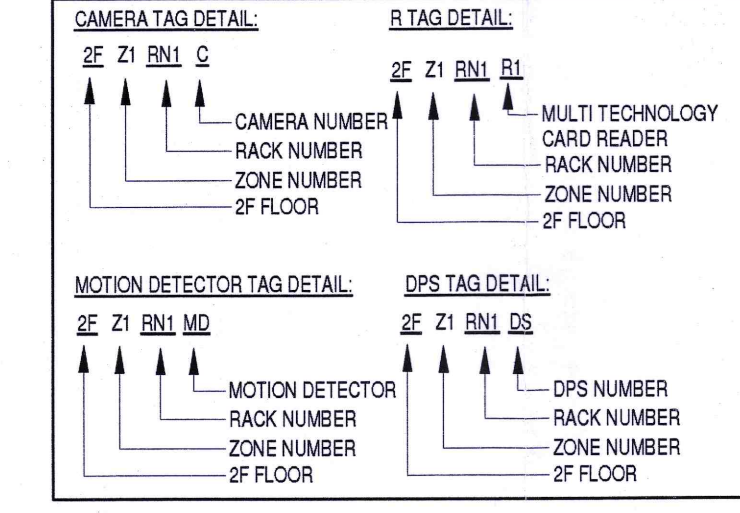
SECTION 1
1 : 50



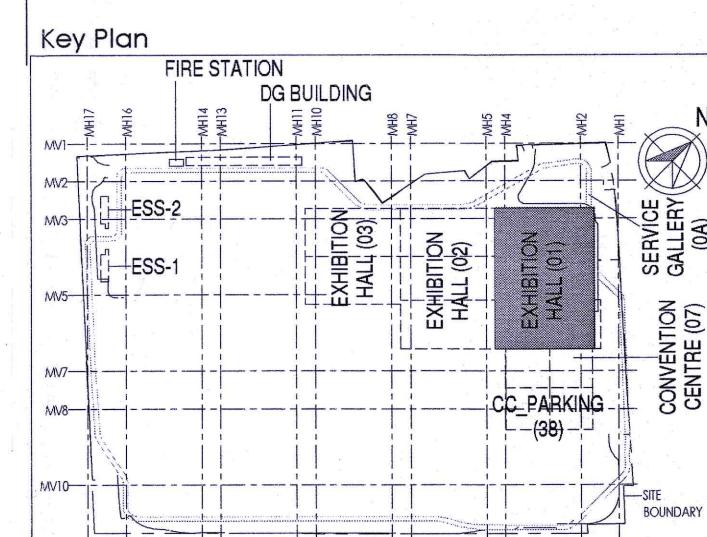
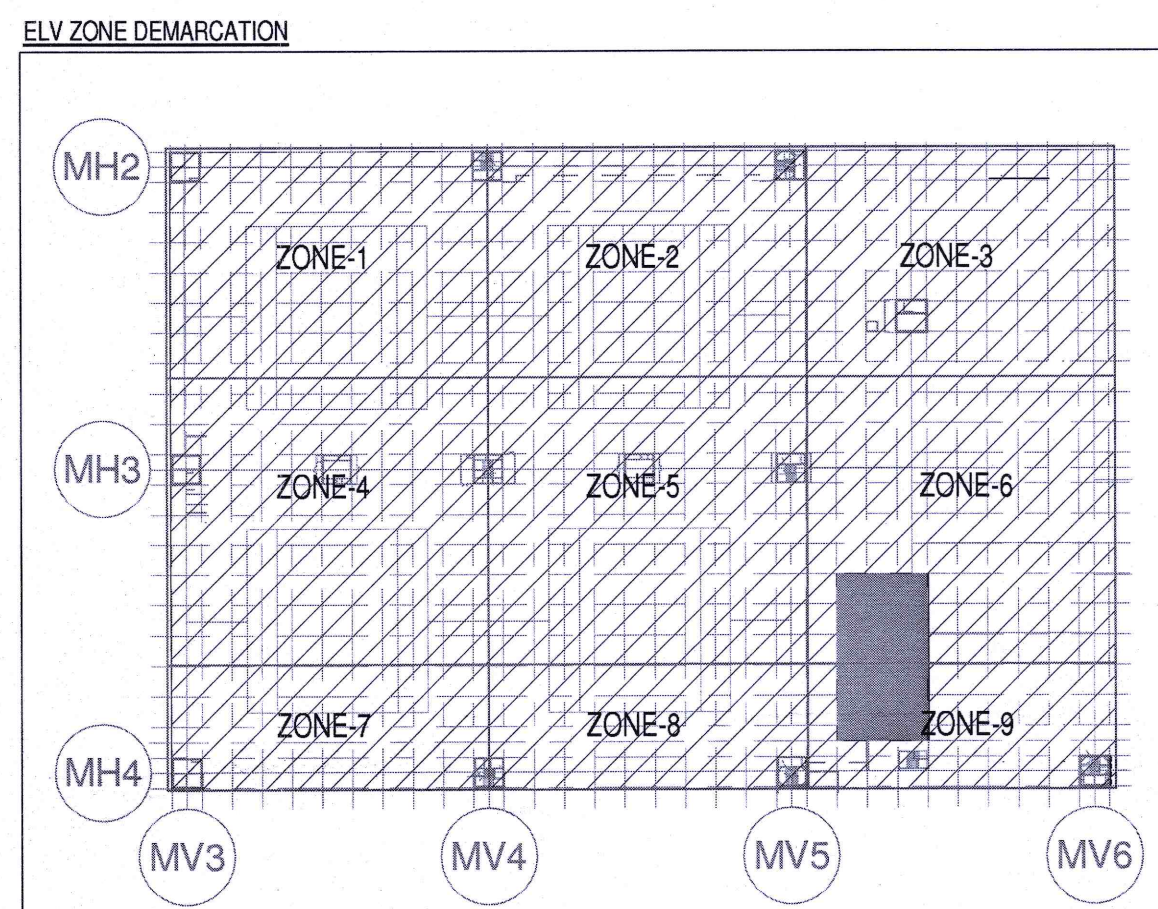
SECTION 2
1 : 50

SL. NO.	SYMBOL	DESCRIPTION	FIXING LEVEL
1		INDOOR FIXED DOME CAMERA	WALL / SURFACE MOUNTED
2		LONG RANGE CAMERA	SURFACE MOUNTED
3		DOOR POSITION SENSOR	ON DOOR
4		EXIT PUSH BUTTON	1000mm ABOVE FFL
5		MULTI TECHNOLOGY CARD READER	1000mm ABOVE FFL
6		EMERGENCY DOOR RELEASE	1000mm ABOVE FFL
7		MOTION DETECTOR	SURFACE MOUNTED
8		300MM(Wx50mm(H)) METALLIC PERFORATED TYPE CABLE TRAY	-
9		150MM(Wx50mm(H)) METALLIC PERFORATED TYPE CABLE TRAY	-
10		DDC PANEL	1000mm ABOVE FFL

- 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. ALL 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 CEM 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 NETWORKS 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.
- ICT 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 CAMERA LOCATIONS ARE INDICATIVE. FIELD OF VIEW OF EACH CAMERA MUST BE GENERATED BY OEM/VENDOR FOR JUSTIFYING CH-SEN 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 TPIP & 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 EPC WILL ENSURE THE DAS COVERAGE.



ABBREVIATION	DESCRIPTION
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



Owner / Employer

India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry,
DIP, 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
Room No 341 B, 3rd Floor Hotel Ashok, Diplomatic Enclave, 508 Chanakyapuri, New Delhi - 110021

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

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

idom
Av. Del Monasterio de El Escorial, 4, 28049 Madrid, Spain

CPKUKREJA
No. D-1, Ashoka Building, Green Park, New Delhi - 110016, India

EPC Contractor

L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manapakkam, P.O. No. 979, Chennai - 600 089

EPC Contractor's Representatives

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

Architectural Consultant
ARCOP
Arcop Associates Pvt. Ltd.
New Delhi, Delhi 110048, India

Structural Proof Consultant

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

MEP Proof Consultant

Egis India Consulting Engineers Pvt. Ltd.
Plot No. 66, Sector 32, Institutional Area, Opp. Zenith Solutions, Gurugram, Haryana 120001

ICT Proof Consultant

CRK Consulting Engineers Pvt. Ltd.
#47/1, 3rd floor, Narayana Arcade, Subbaramachetty Road, Nellikuppam Circle, Saravananagar, Bengaluru - 560004

Certification

EPC Contractor

Design Consultant

Architectural Consultant

Proof Consultant

Structural

MEP

ICT

Reviewed GFC drawing prepared by **Consulting Engineers** and ensured that all safety aspects and parameters have been adhered to.

PEAC

Signed on behalf of **PEAC**

Issued by:
Employer's Engineer

RO	ISSUED AS GOOD FOR CONSTRUCTION	31-07-2019	SP	PYS	MSK	GHR
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	

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 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

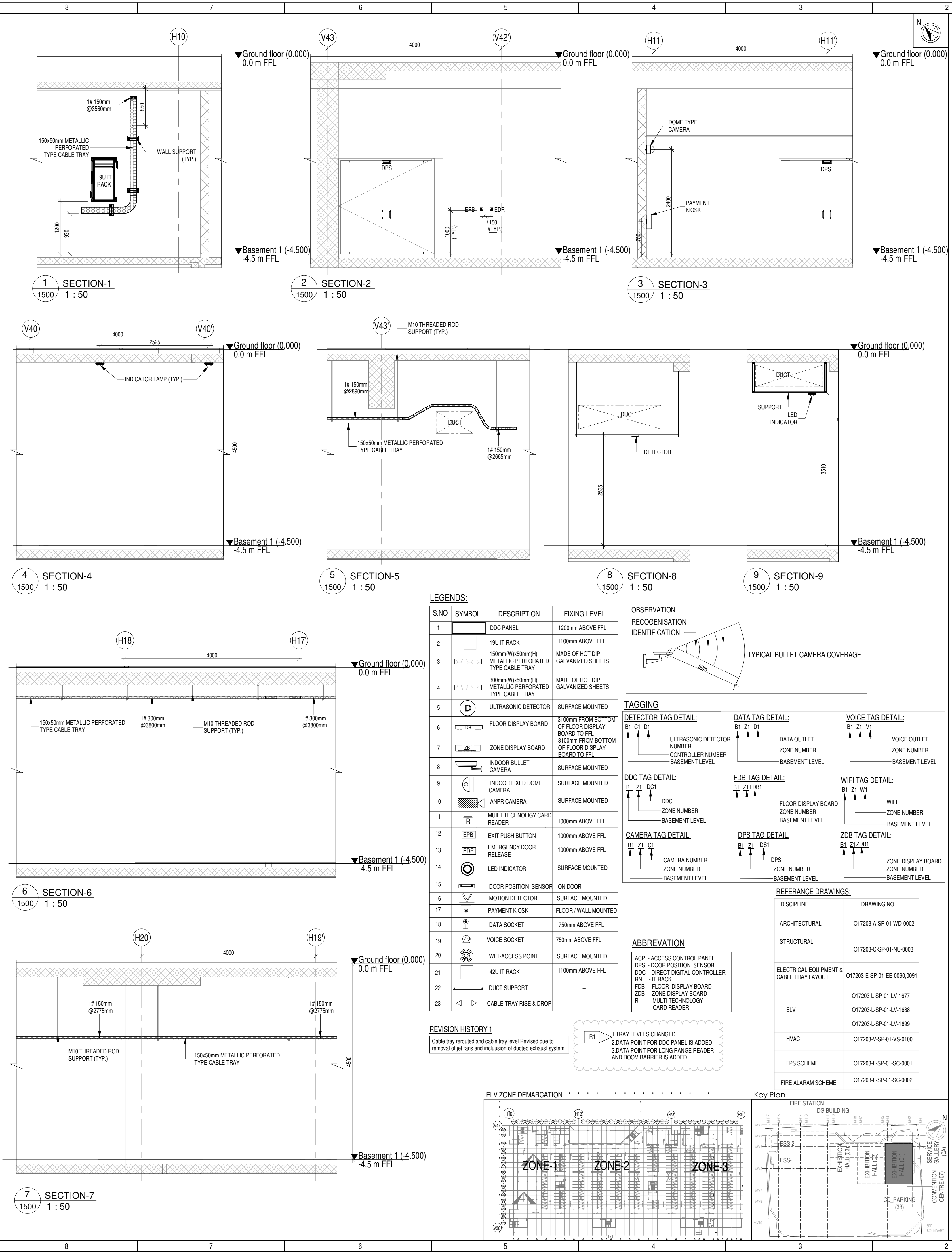
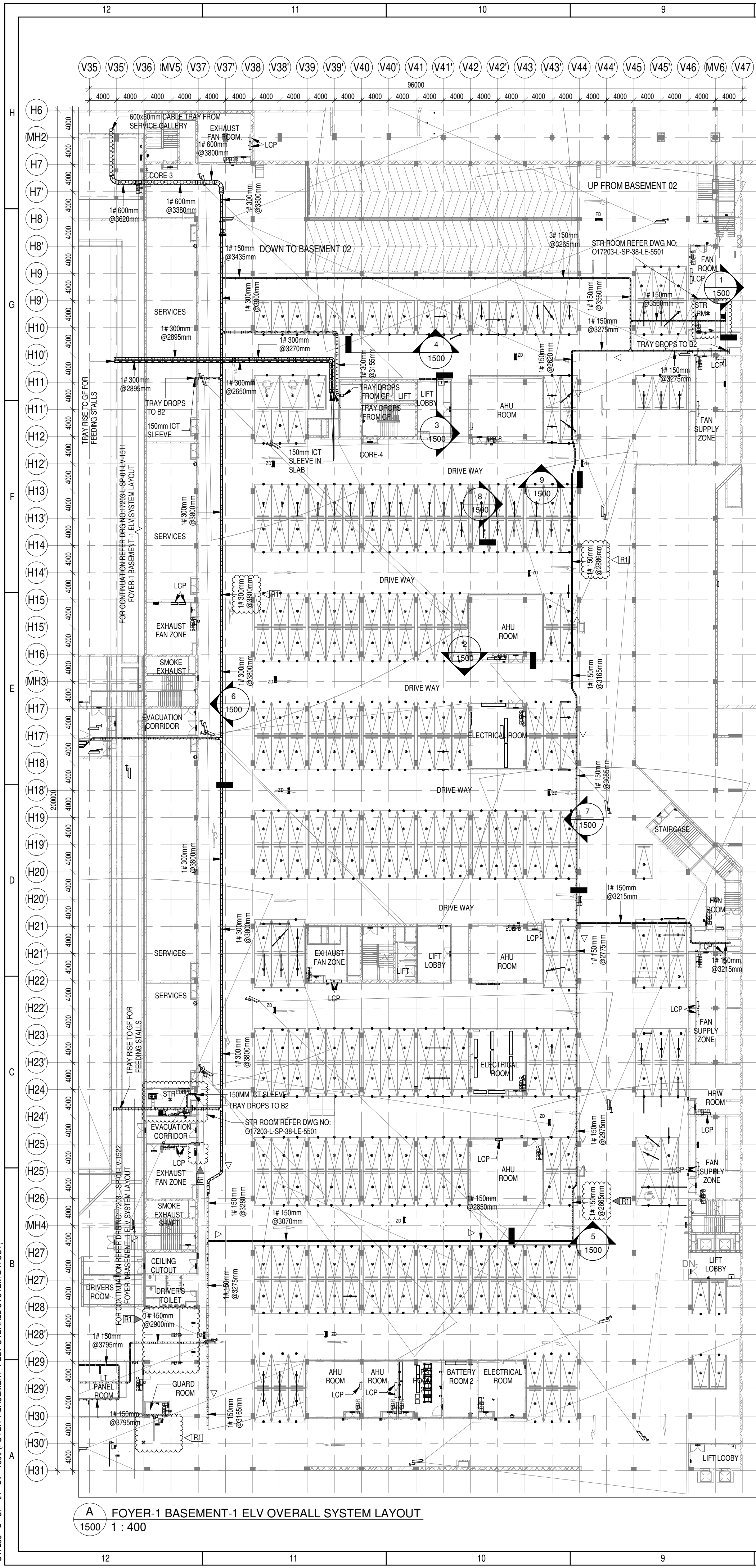
As indicated

Sheet Size

A1

O17203 - L - SP - 01 - LV - 1211 EXHIBITION HALL 1+ FOYER-1 SECOND FLOOR OVERALL ELV SYSTEM LAYOUT

This drawing is the property of L&T Construction. B&E-EDRC and must not be passed on to any person or body not authorised by us to receive it nor be copied or otherwise made use of without our prior permission in writing.



Owner / Employer

India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry,
DPP, 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
Room No. 341 & 3rd Floor Hotel Anahat, Diplomatic Enclave, 508 Chankapuri, New Delhi - 110021

Employer's Representative

Employer's Engineer
Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

idom
Av. Del Monasterio de El Escorial, 4,
28049 Madrid, Spain

CPKUREJA ARCHITECTS
No.D-1, Ashirwad Building, Green Park,
New Delhi, Delhi 110016, India

EPC Contractor

L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manapakkam,
P.O.No.779, Chennai - 600 089

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, Pamposh Enclave, G.K.-1
New Delhi, Delhi 110048, India

Structural Proof Consultant
Indian Institute of Technology (IIT) Madras
Sardar Patel Rd. Opposite to C. L.R.I. Adyar, Chennai,
Tamil Nadu 600036

MEP Proof Consultant
egis Egis India Consulting Engineers Pvt. Ltd.
Plot No. 66, Sector 32, Institutional Area,
Opp. Zenith Solutions, Gurgaon,
Haryana 122001

ICT Proof Consultant
CCR CCR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Narayana Arcade,
Subbaramachetty Road, Nellore Circle,
Basavanagudi, Bengaluru - 560004

Certification

EPC Contractor

Design Consultant

Architectural Consultant

Proof Consultant

Structural	MEP	ICT

PEAC

Issued by:
Employer / Employer's Engineer

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	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 : 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 01 1500

Rev. No
R1

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

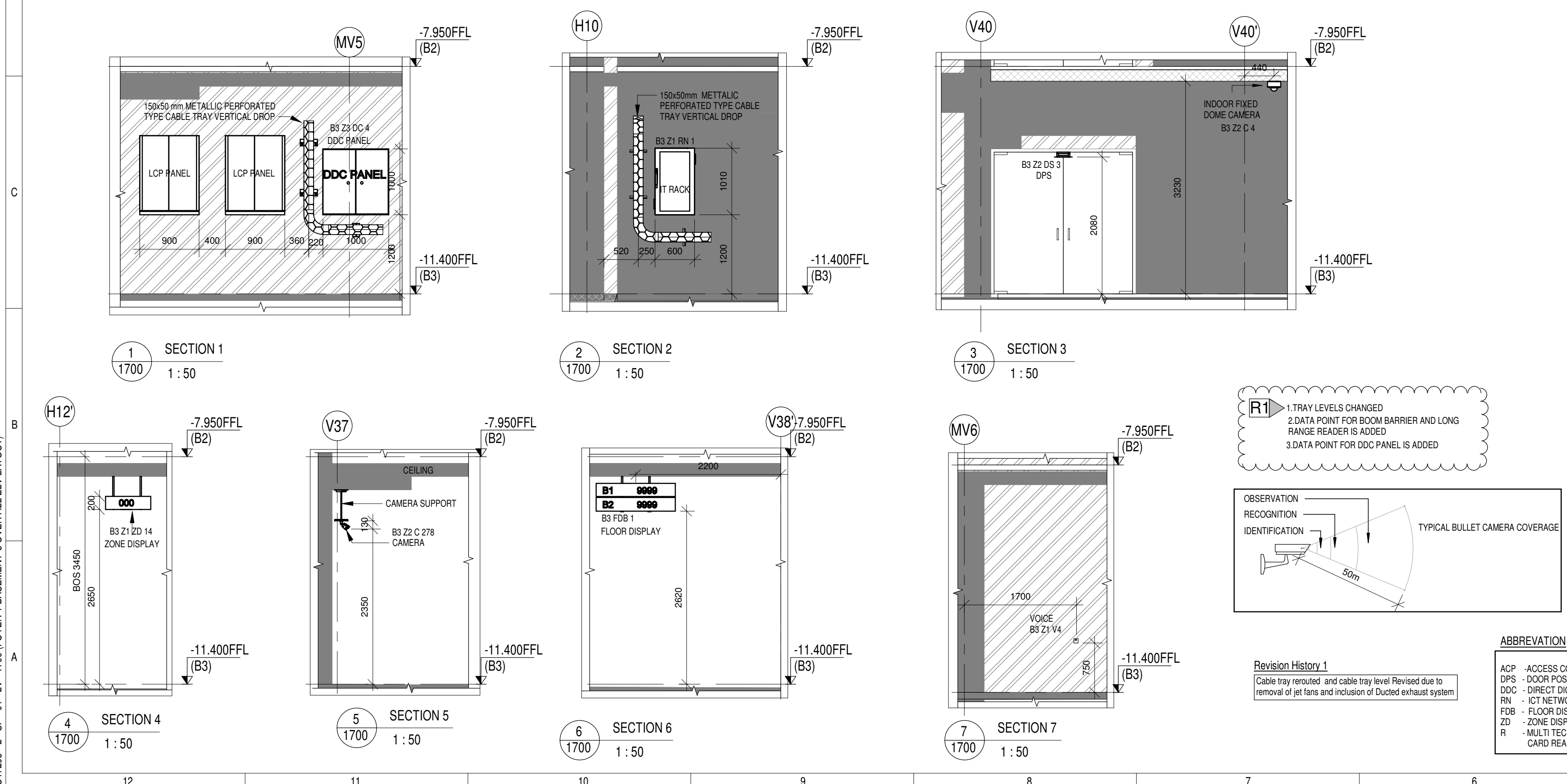
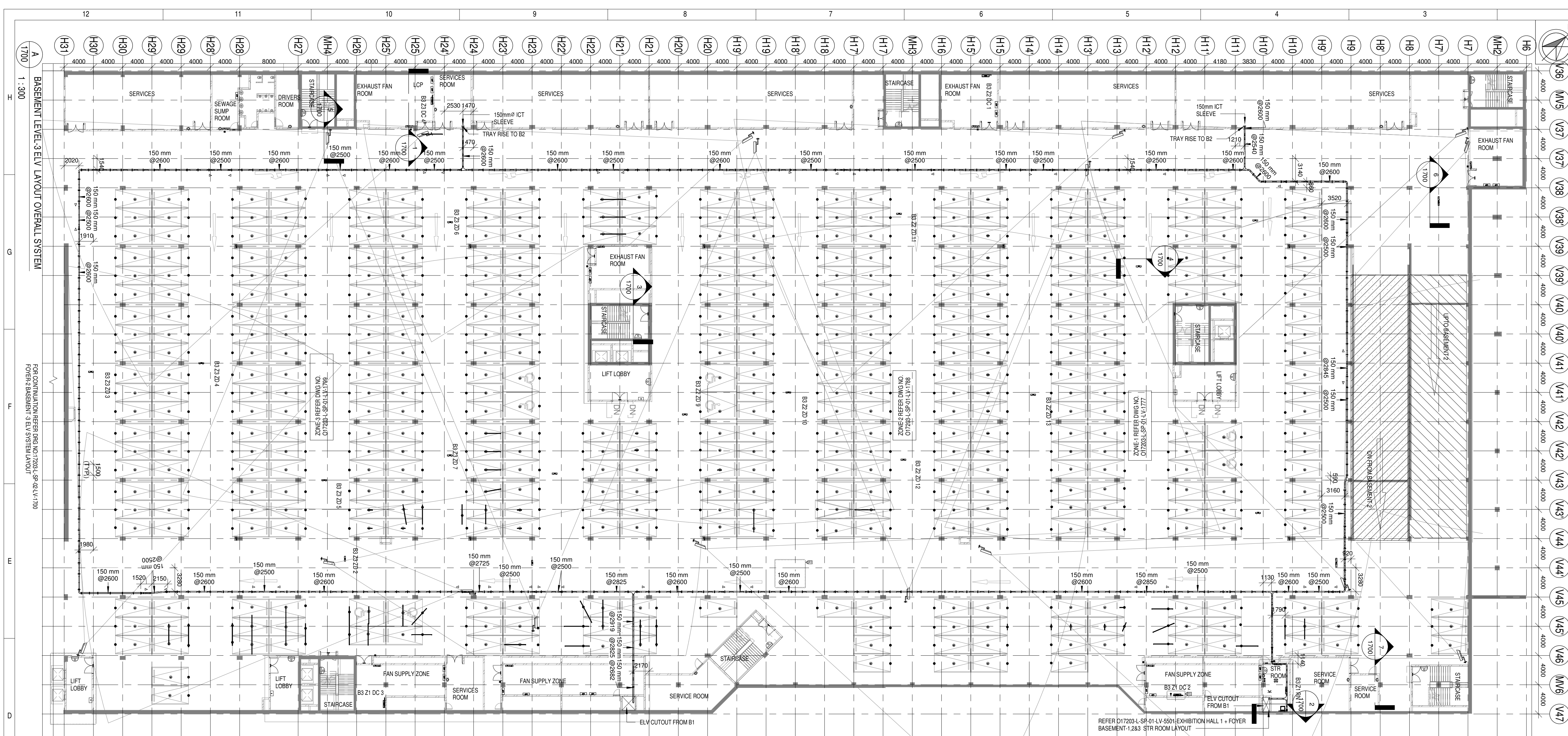
EDRC DWG No :
017203 - L - SP - 01 - LV - 1500

Scale
As indicated

Sheet Size
A1

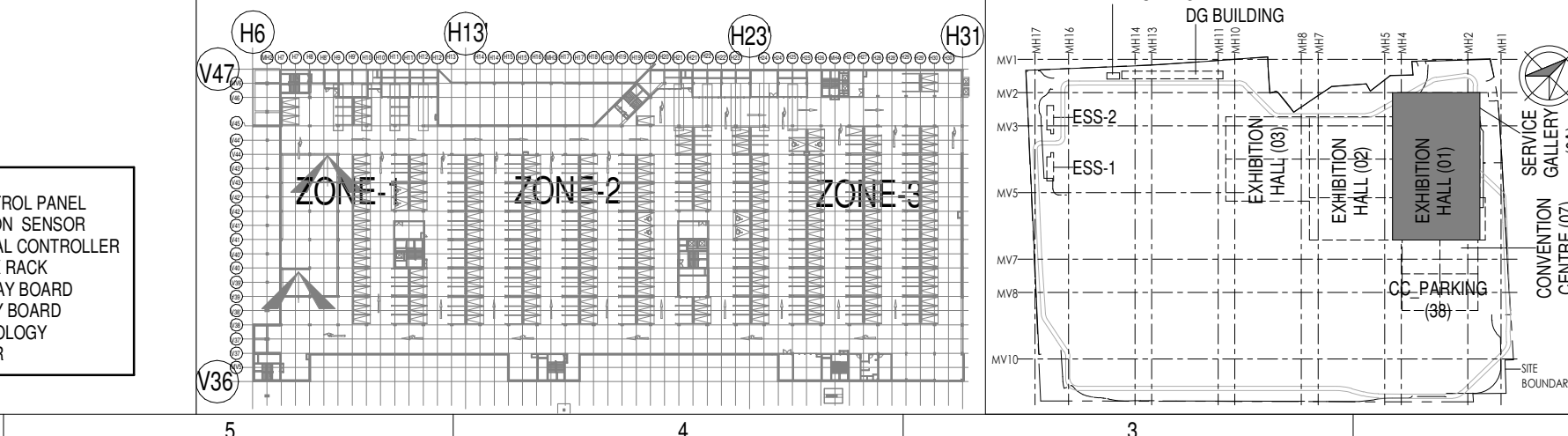
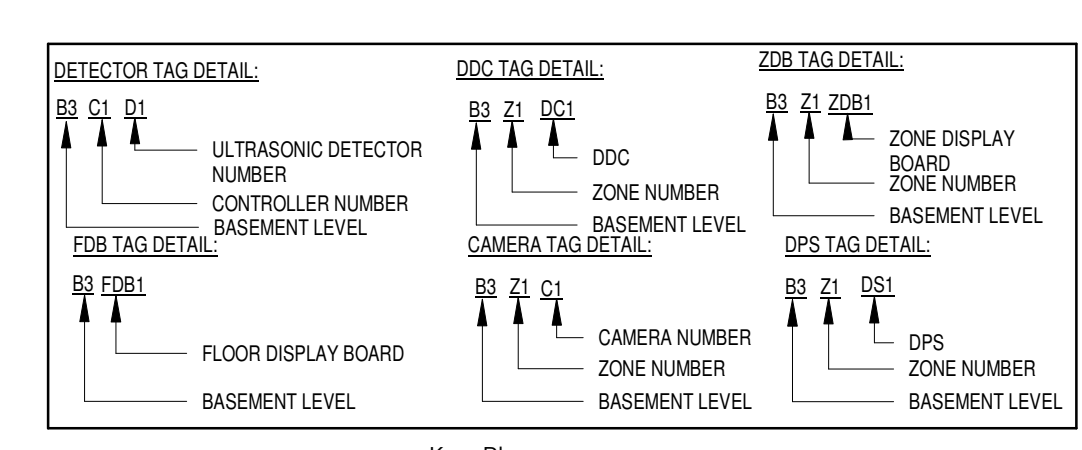
017203 - L - SP - 01 - LV - 1500 (FOYER-1 BASEMENT-1 ELV OVERALL SYSTEM LAYOUT)

This drawing is the property of L&T Construction. B&F-EDRC and must not be passed on to any person or body nor be copied or otherwise made use either in full or in part by each person or body without our prior permission in writing.



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)x500(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



Owner / Employer

India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry,
DPP, 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
Room No. 341 & 3rd Floor Hotel Ashok, Diplomatic Enclave, 508 Chankapuri, New Delhi - 110021

Employer's Representative

Employer's Engineer
Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

idom
Av. Del Monasterio de El Escorial, 4,
28049 Madrid, Spain

CPKUREJA ARCHITECTS
No.D-1, Ashwini Building, Green Park,
New Delhi, Delhi 110016, India

EPC Contractor

L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manapakkam,
P.O.No.779, Chennai - 600 089

EPC Contractor's Representatives

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

Architectural Consultant
ARCOP Associates Pvt. Ltd.
A-15, Pampose Enclave, G.K-1
New Delhi, Delhi 110048, India

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

MEP Proof Consultant
Egis India Consulting Engineers Pvt. Ltd.
Plot No. 66, Sector 32, Institutional Area,
Opas Genesis Solutions, Gurugram,
Haryana 122001

ICT Proof Consultant
CKR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Narayana Arcade,
Subbaramachetty Road, Velkateswara Circle,
Basavanagudi, Bangalore - 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-1 AND ISSUED AS GOOD FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R1		26-04-2019	SP	PSY	MSK	GMR

Revisions

ARCHITECTURE	PFP
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

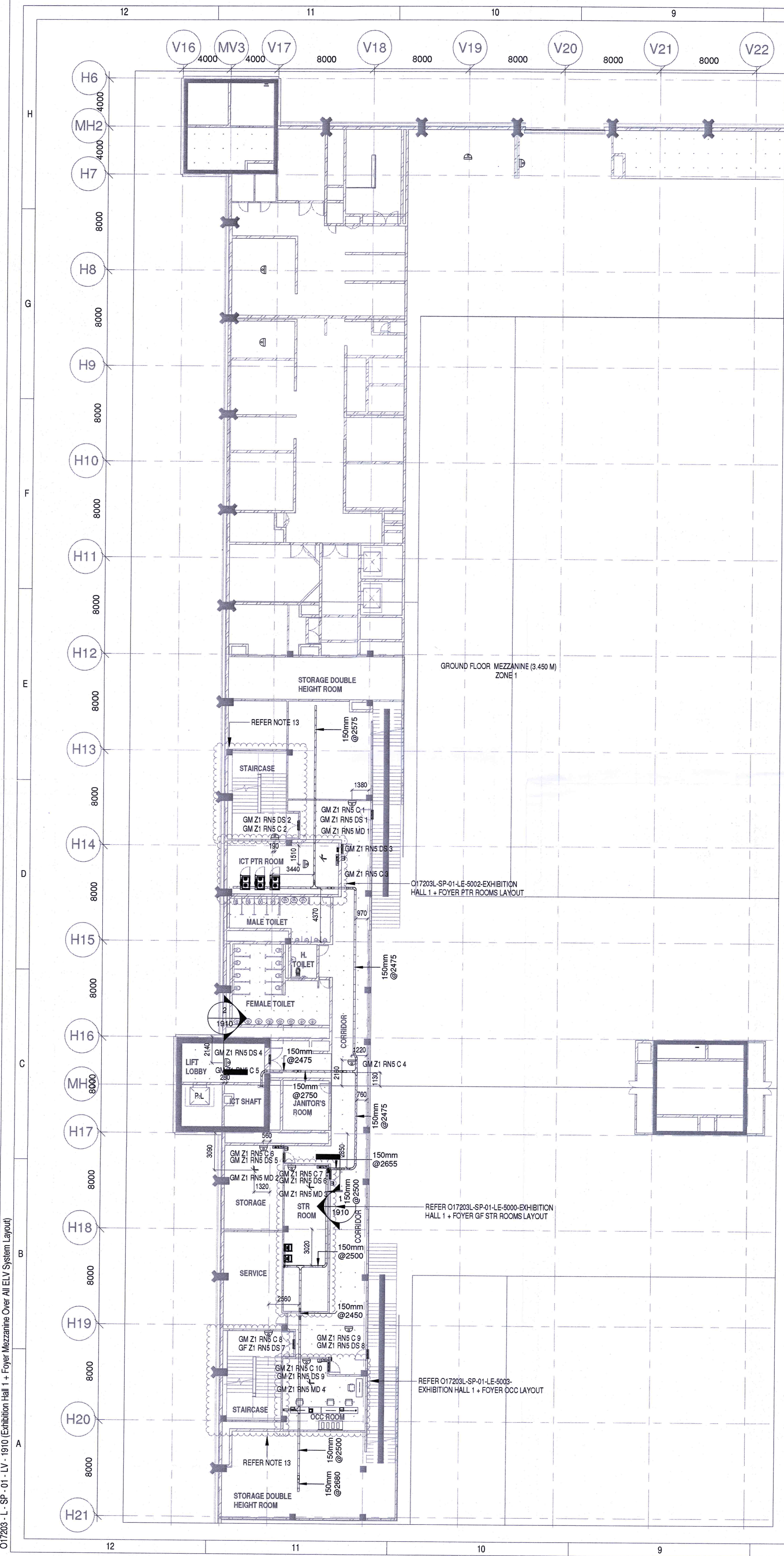
EDRC DWG No :
O17203-L-SP-01-LV-1700

Scale
As indicated

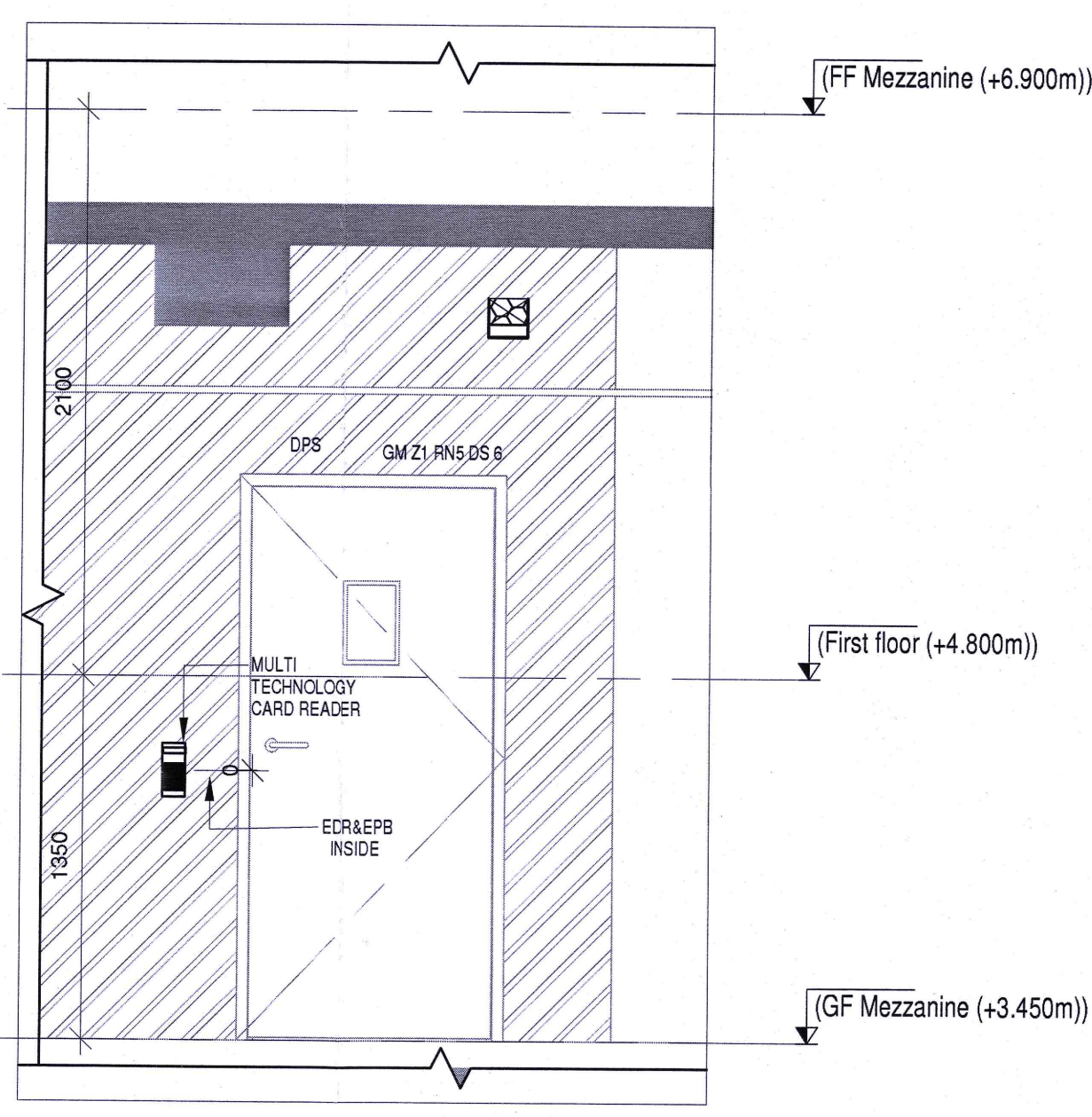
Sheet Size
A1

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

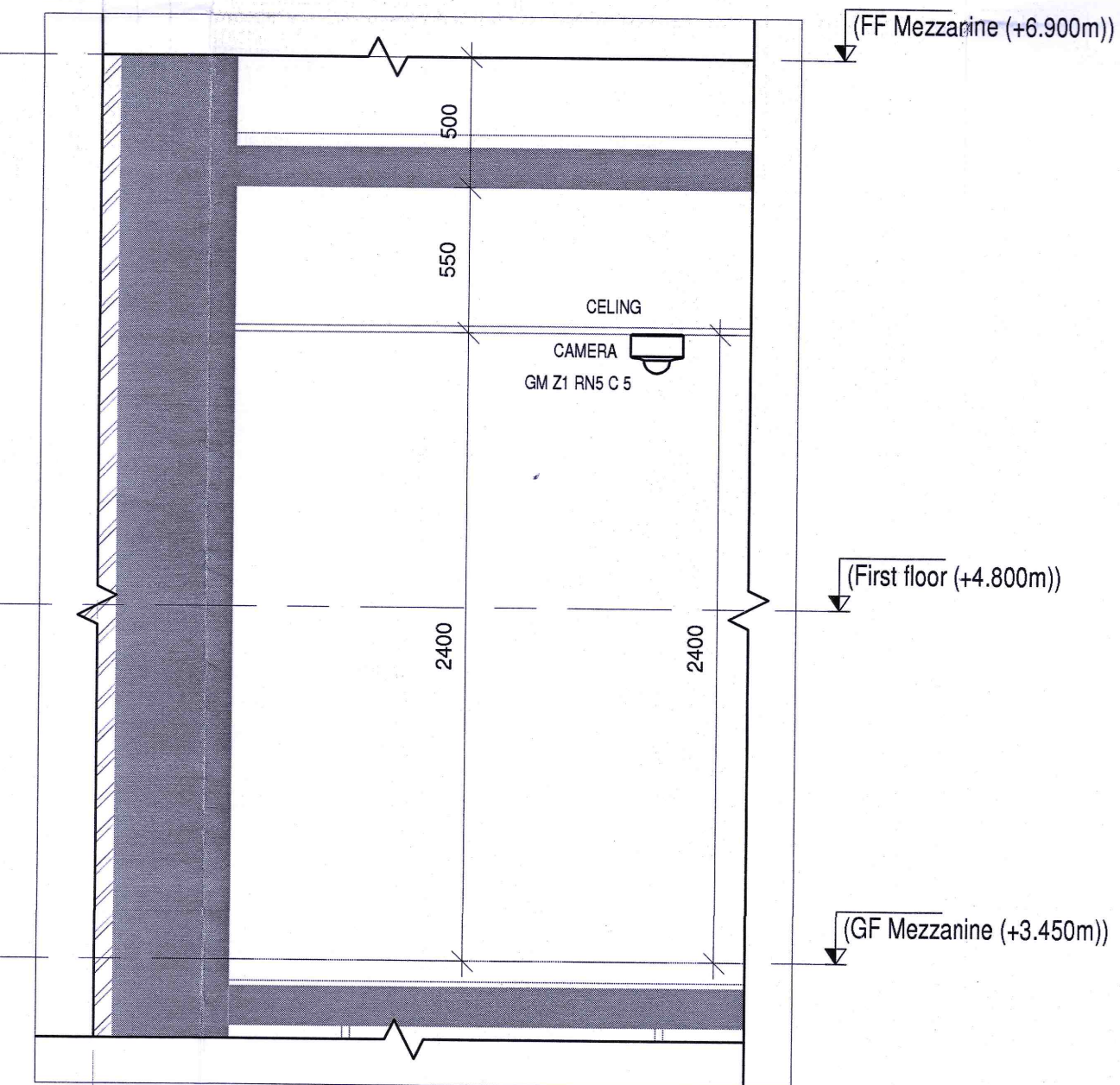
This drawing is the property of L&T Construction. B&F-EDRC and must not be passed on to any person or body nor be copied or otherwise made use either in full or in part by each person or body without our prior permission in writing.



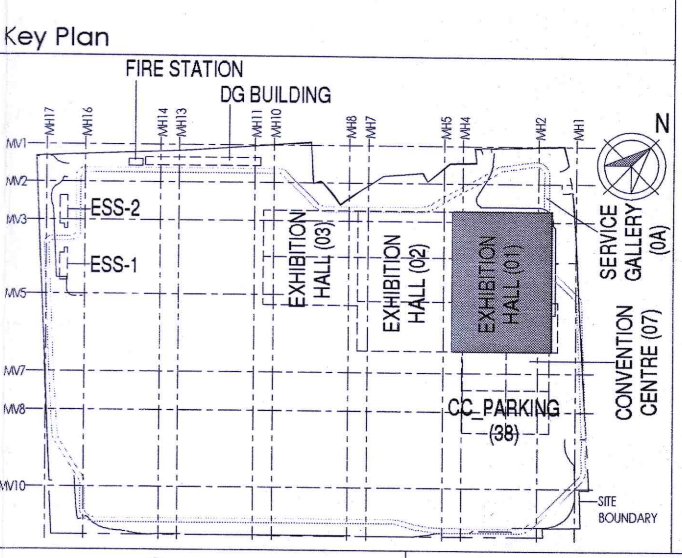
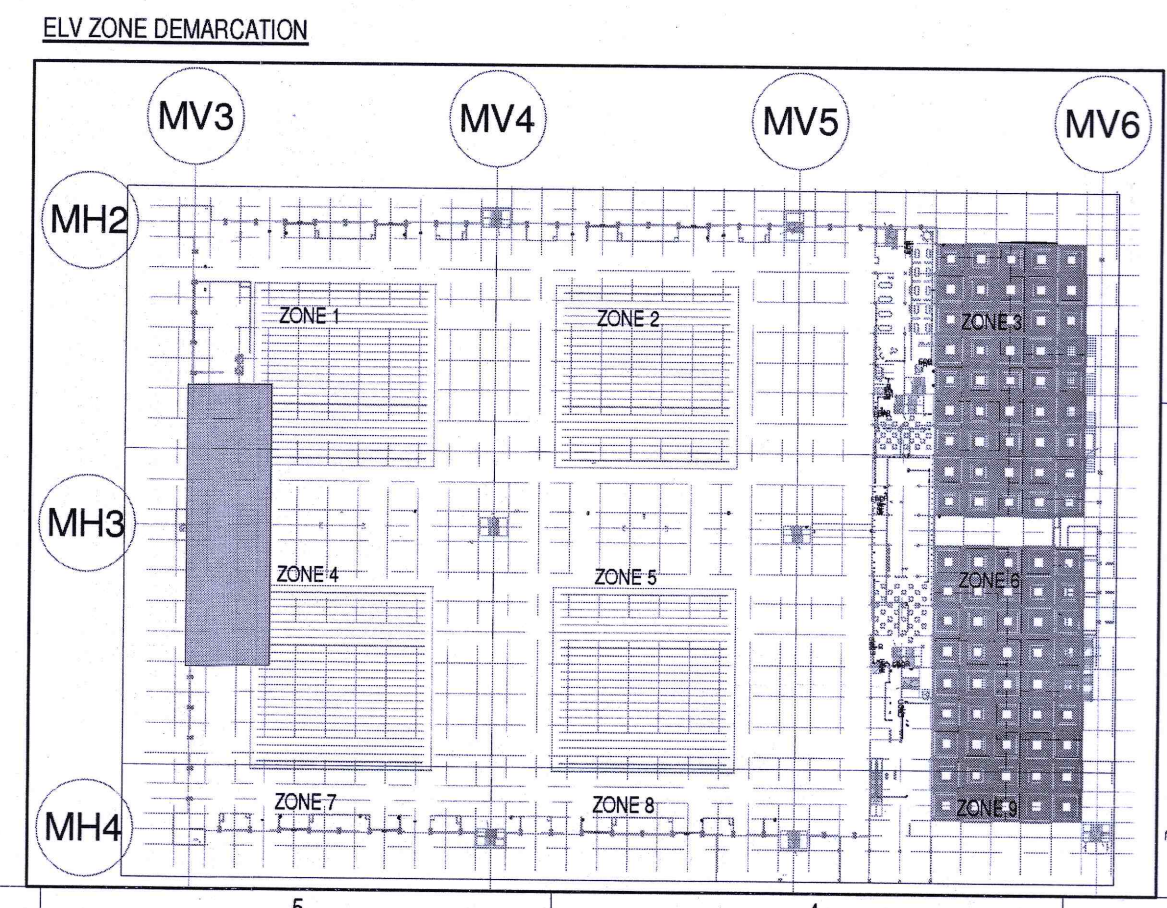
GF MEZZANINE ELV SYSTEM LAYOUT
1910 1:225



SECTION 1
1910 1:25



SECTION 2
1910 1:25



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 SIGNAGE 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

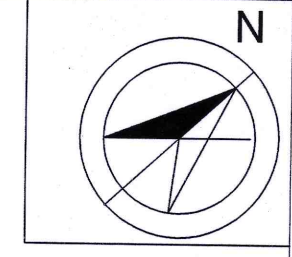
- THE DAS SYSTEM FOR MOBILE CARRIERS WILL BE DONE AFTER SITE SURVEY BY SPECIALIST ONCE STRUCTURE IS READY AND EPC WILL ENSURE THE DAS COVERAGE.

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

ICT RACK TAG DETAIL	R TAG DETAIL	ACP TAG DETAIL
EH-1 GM RN1	GM Z1 RN1 R1	GM Z1 RN1 AS
ICT RACK NUMBER	MULTI TECHNOLOGY CARD READER	ACCESS CONTROL
G. MEZZ FLOOR	RACK NUMBER	PANEL
BUILDING NAME	ZONE NUMBER	RACK NUMBER
	G. MEZZ FLOOR	ZONE NUMBER

MOTION DETECTOR TAG DETAIL	DPS TAG DETAIL	CAMERA TAG DETAIL
GM Z1 RN1 MD	GM Z1 RN1 DS	GM Z1 RN1 C
MOTION DETECTOR	DPS NUMBER	CAMERA NUMBER
RACK NUMBER	ZONE NUMBER	RACK NUMBER
G. MEZZ FLOOR	G. MEZZ FLOOR	ZONE NUMBER



Owner / Employer

India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry,
DIP, 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
Room No 341 & 3rd Floor Hotel Ashok, Diplomatic Enclave, 508 Chankapuri, New Delhi - 110021

Employer's Representative

Employer's Engineer
Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

idom
Av. Del Monasterio de El Escorial, 4,
28049 Madrid, Spain

CPKUREJA
No.3-1, Ashwini Building, Green Park,
New Delhi, Delhi 110016, India

EPC Contractor

L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manappakkam,
P.O.No.979, Chennai - 600 089

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, Tampore Enclave, C-1,
New Delhi, Delhi 110048, India

Structural Proof Consultant

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

MEP Proof Consultant

Egis India Consulting Engineers Pvt. Ltd.
Plot No. 66, Sector 32, Institutional Area,
Opp. Zenith Solutions, Gurugram,
Haryana 122001

ICT Proof Consultant

CCR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Marayana Arcade,
Subbaramachetty Road, Nellore/Kapasa Circle,
Basavanaguda, Bengaluru - 560004

Certification

EPC Contractor

Design Consultant

Architectural Consultant

Proof Consultant

Structural **MEP** **ICT**

Reviewed GFC drawings prepared by Contractor and ensured that all safety aspects and parameters are taken care of.

PEAC

Issued by: **Employer's Engineer**

09/04/2019

REVISIONS

NO	ISSUED AS GOOD FOR CONSTRUCTION	DATE	SP	PSY	MSK	GNR
REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD

Revisions

ARCHITECTURE	FPS	van
STRUCTURAL	PIPING	van
ELECTRICAL	PHE	van
ELV SYSTEM	GIS	van
HVAC	GEOTECH	van

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**

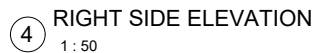
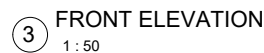
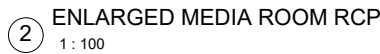
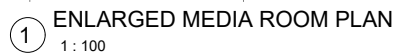
Drawing No: L 01 1910 Rev. No: R0

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

O17203 - L - SP - 01 - LV - 1910 Exhibition Hall 1 + Foyer Mezzanine Over All ELV System Layout

This drawing is the property of L&T Construction. B&F-EDRC and must not be passed on to any person or body not authorized by us to receive it nor be copied or otherwise made use of without our prior permission in writing.



Tech Ref No. should be 143

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

LEGEND:			
S/N	ITEM NO.	Vendor Spec. No.	DESCRIPTION
1	 C1	94	High Power 2" Ceiling SPL
2	 MC2		Noise Compression Microphone
3			Access Point
4	 FPC1	181	FPE Camera
5	 F-PB1		F-PB1 Box
6	 F-PB1A	138	Flat Panel Camera
7	 FPC		Flat Panel Camera
8	 FPCB		Flat Panel Camera
9	 FPCB		Flat Panel Camera
10	 FPCB		Flat Panel Camera
11	 FPCB	11	MP/ Generalized Motion/Proximity Sensors
12	 FPCB	5	204K Webcam/Projector
13	 FPCB		Webcam/Casting Mounting List
14	 FPCB	147	Access Point
15	 FPCB		Flat Panel Camera
16	 FPCB		Access Point
17	 FPCB		Webcam/Flat Top Transmitter
18	 FPCB		Flat Panel Mounting
19	 FPCB	138	Flat Panel Mounting
20	 FPCB		PC WITH KEYBOARD/MOUSE
21	 FPCB	138	TOUCH PANEL
22	 FPCB		DESK LAMP
23	 FPCB	185	DIGITAL JAPANESE CAMERA

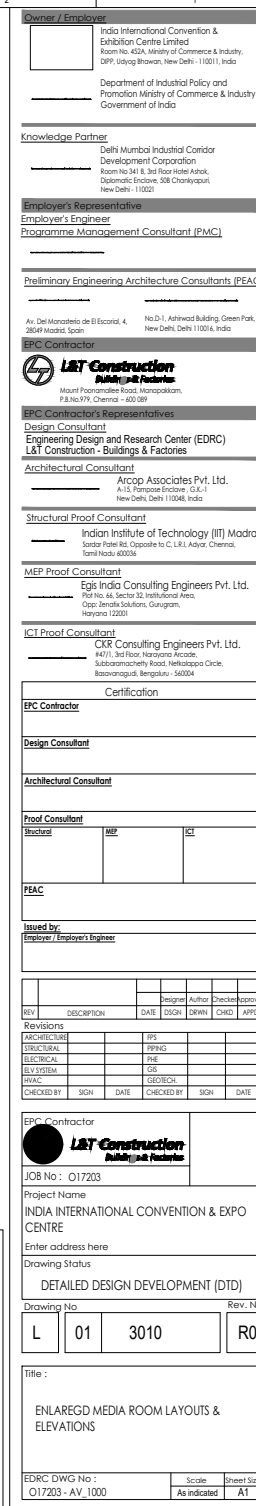
NOTES

1. THE ASV SYSTEM REQUIREMENTS CAPTURED ARE IN ACCORDANCE WITH THE RFP DOCUMENT SD ECC PEAC XX ELY X XX RP 003_04. ASV SYSTEM DESCRIPTION

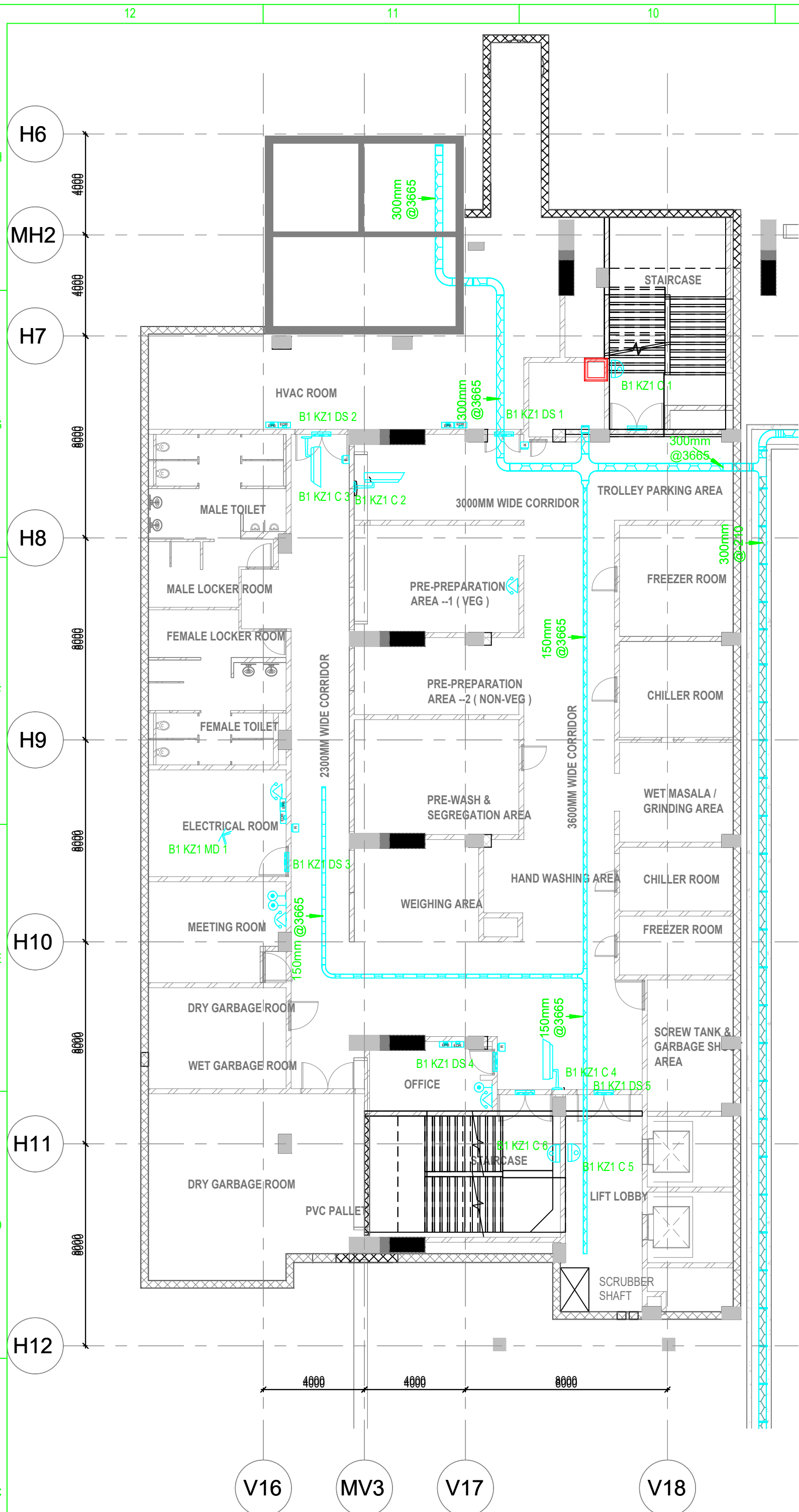
2. THE ASV SYSTEM REQUIREMENTS FOR THE CONFERENCE ROOM IS ARE AS PER 100PAX / MEDIA ROOM ASV REQUIREMENT IN THE ABOVE SAID DOCUMENT.

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

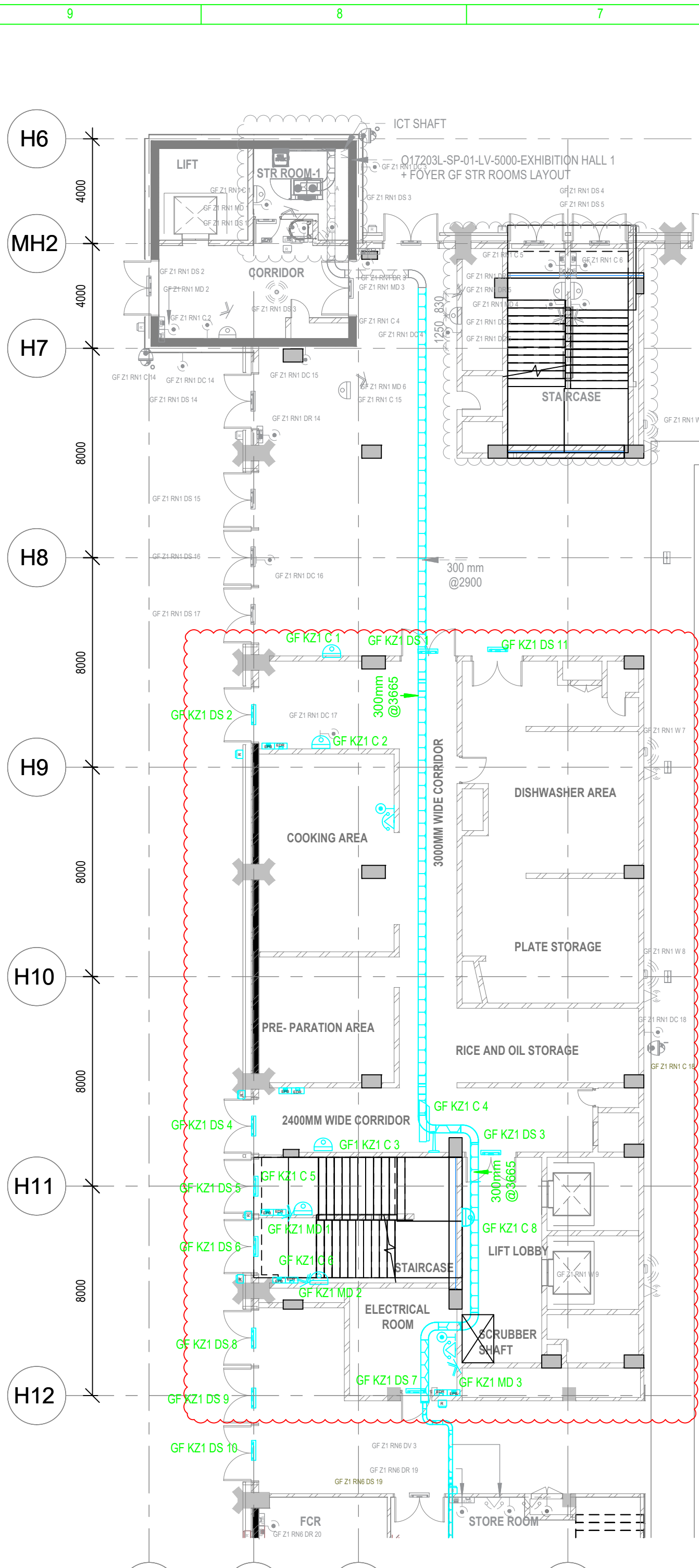
4. THIS ITEM(S) INDICATED IN BRACING WITH CLOUD OR ASTERISK (*) MARK IS UNDER CONTINUED DISAGREEMENT WITH REGARD TO SCOPE OF WORK. DESIGN IS PROVIDED TO CONCLUDE THE ENGINEERING PACKAGE.



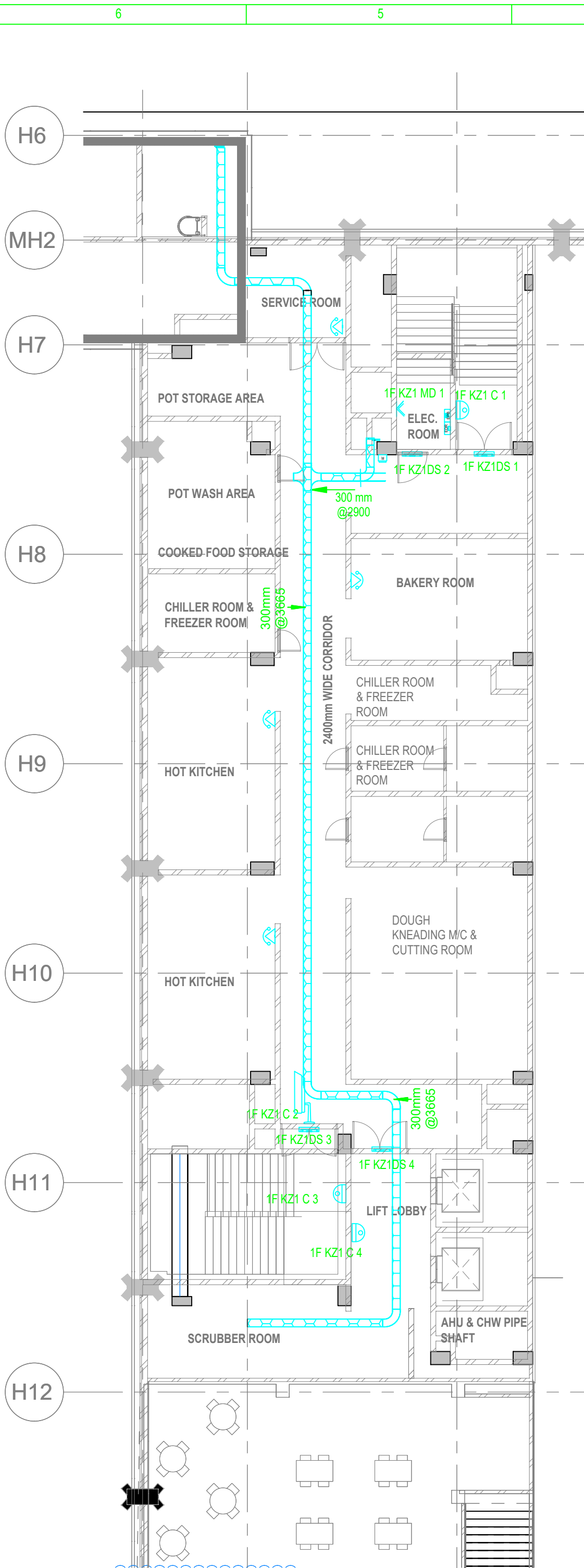
C:\Users\sp01\Documents\Projects\INDIA CONVENTION & EXHIBITION CENTRE\SP-01-LV-4401-EH-KITCHEN LAYOUT\Kintex.dwg, Layout2_08-07-2020_18:20:01_ISO full bleed A1 (841.00 x 594.00 MM)
017203-L-SP-01-LV-4401-EH-KITCHEN LAYOUT



2
4401
BASEMENT 1-ELV-SYSTEM-KITCHEN LAYOUT
1: 150



3
4401
GROUND FLOOR -ELV-SYSTEM-KITCHEN LAYOUT
1: 150



1
4401
FIRST FLOOR -ELV-SYSTEM-KITCHEN LAYOUT
1: 150

LEGENDS:		
SL	SYMBOL	DESCRIPTION
1		150Wx50mm(H) METALLIC PERFORATED TYPE CABLE TRAY
2		300Wx50mm(H) METALLIC PERFORATED TYPE CABLE TRAY
3		INDOOR FIXED DOME CAMERA
4		BULLET CAMERA
5		EXIT PUSH BUTTON
6		EMERGENCY DOOR RELEASE
7		MULTI-TECHNOLOGY CARD READER
8		DOOR POSITION SENSOR
9		VOICE SOCKET
10		DATA SOCKET
11		MOTION DETECTOR

- NOTES:**
- GENERAL**
- PVC CONDUITS SHALL BE CONCEALED IN WALL/CILING IN NON-FALSE CEILING AREA.
 - SUSPENDED MS 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 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.
 - REFER STAIRCASE ELECTRICAL LIGHTING LAYOUT FOR ELV EQUIPMENT'S LOCATIONS IN STAIRCASE.
 - 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/ 20mm MS CONDUITS UP RESPECTIVE NEARBY 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**
- 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**
- 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.
- 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,
DIP, 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
Room No. 341 B, 3rd Floor Hotel Ashok, Diplomatic Enclave, 508 Chankyapuri, New Delhi - 110021

Employer's Representative

Employer's Engineer
Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

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

No D-11, Ashwini Building, Green Park, New Delhi, Delhi 110016, India

PEAC Consultant

L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manappakkam, P.O.No.979, Chennai - 600 069

EPC Contractor's Representatives

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

Architectural Consultant

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

Structural Proof Consultant

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

MEP Proof Consultant

Egis India Consulting Engineers Pvt. Ltd.
Plot No. 66, Sector 32, Institutional Area, Opp: Zenith Solutions, Gurugram, Haryana 122001

ICT Proof Consultant

CKR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Narayana Arcade, Subaramachetty Road, Netaji Park Circle, Basavanagudi, Bengaluru - 560004

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

Issued by:
Employer / Employer's Engineer

RD	ISSUED AS GOOD FOR CONSTRUCTION	29.06.20	SP	PSY	MSK	GNR
REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD

Revisions					
ARCHITECTURE			FPS		
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

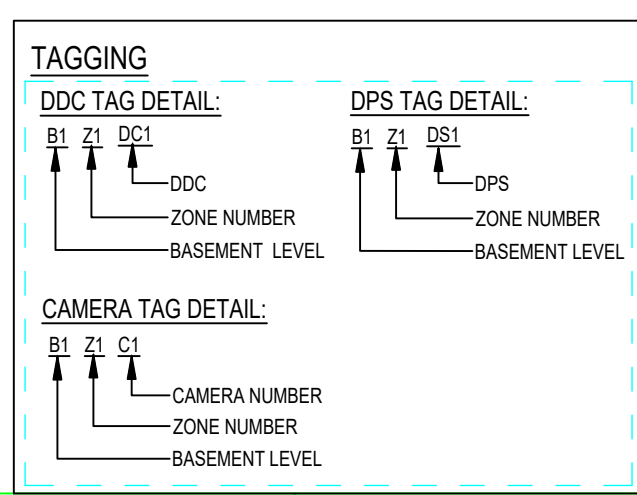
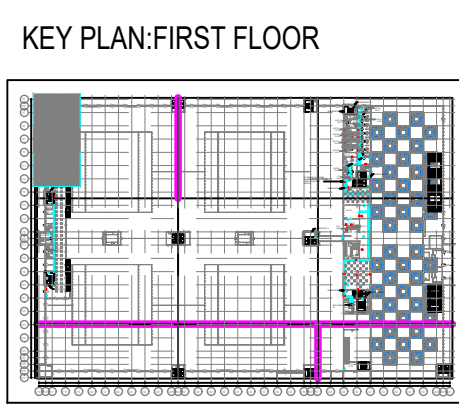
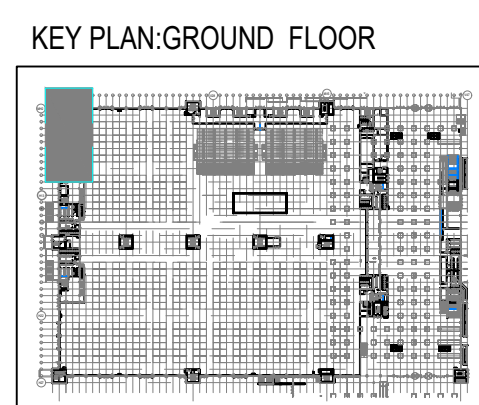
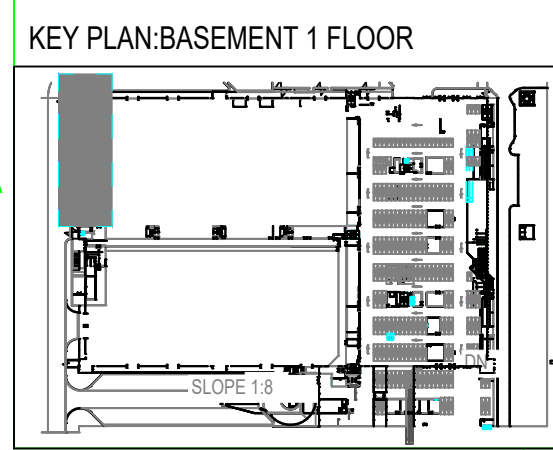
Project Name
DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTION & EXPO CENTRE
SECTOR 25, DWARKA, NEW DELHI, INDIA

Drawing Status
GOOD FOR CONSTRUCTION (GFC)

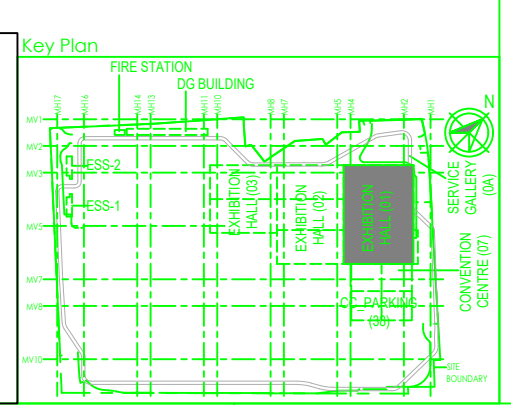
Drawing No		Rev. No	
L	01	4401	R0

Title :
EXHIBITION HALL -01
KITCHEN -ELV SYSTEM LAYOUT
-BASEMENT-1, GROUND FLOOR AND FIRST FLOOR-KINTEX

EDRC DWG No : O17203-L-SP-01-LV-4401	Scale : NTS	Sheet Size A1
---	----------------	------------------

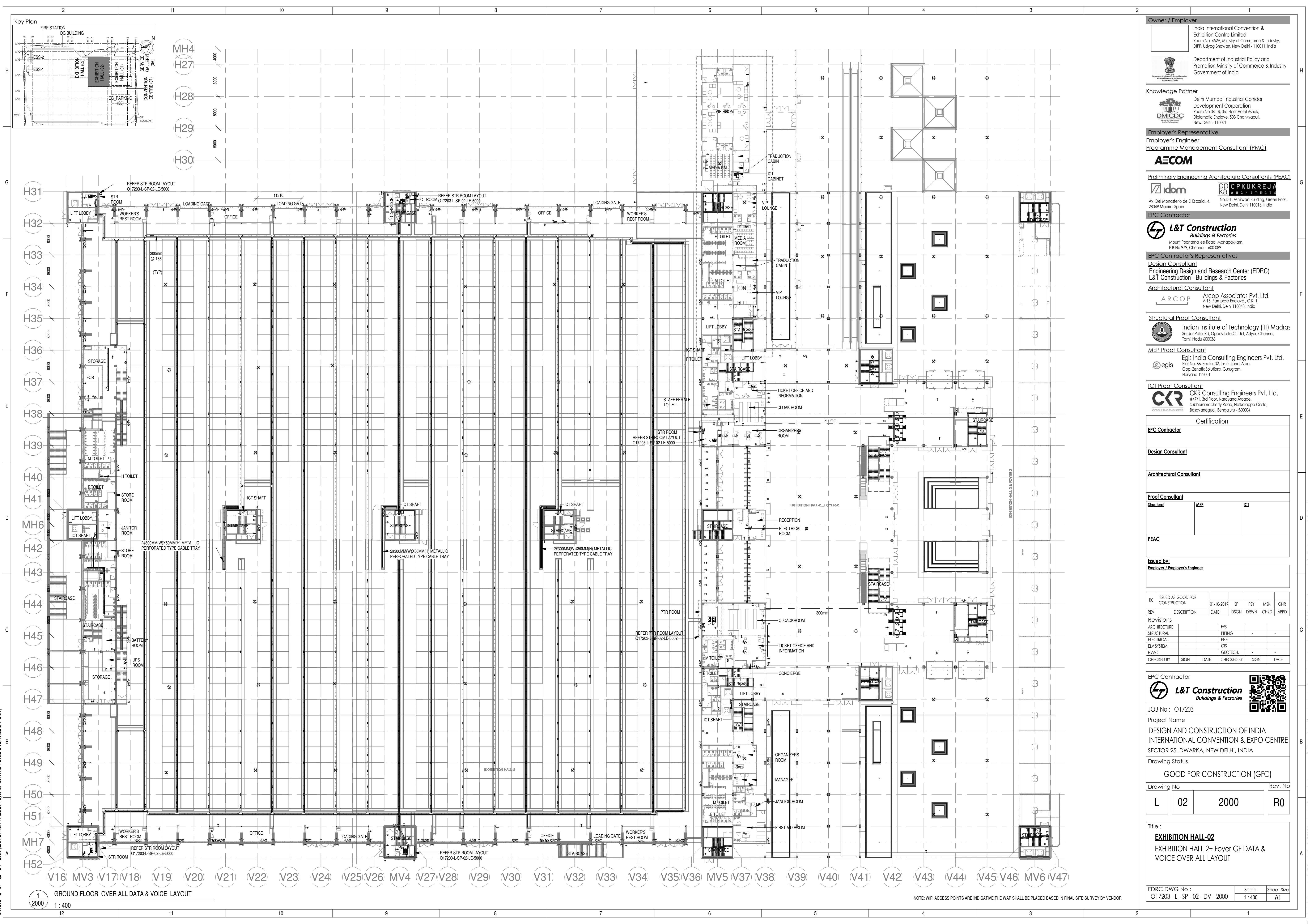


DISCIPLINE	DRAWING NO.
ARCHITECTURAL	O17203-L-SP-01-REV-0004
STRUCTURAL	O17203-L-SP-01-REV-0005
ELECTRICAL EQUIPMENT & CABLE TRAY LAYOUT	O17203-E-SP-01-REV-0000
ELV	O17203-L-SP-01-LV-1000
HVAC	O17203-L-SP-01-HV-1000
FPS SCHEME	O17203-F-SP-01-FPS-0000
FIRE ALARM SCHEME	O17203-F-SP-01-FAL-0001



RELEASE HISTORY:
RELEASED AS PER LATEST ARCHITECTURAL LAYOUT FOR KINTEX REQUIREMENT

This drawing is the property of L&T Construction. B&F-EDRC and must not be passed on to any person or body not authorised by us to receive it nor be copied or otherwise made use of in full or in part by such person or body without our prior permission in writing.



Owner / Employer

India International Convention & Exhibition Centre Limited
Room No. 452A, Ministry of Commerce & Industry,
DPP, 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
Room No. 341 & 3rd Floor Hotel Ashok, Diplomatic Enclave, 508 Chankiapuri, New Delhi - 110021

Employer's Representative

Employer's Engineer
Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

idom No. D-1, Ashwini Building, Green Park, 28049 Madrid, Spain
CPKUREJA ARCHITECTS No. D-1, Ashwini Building, Green Park, New Delhi, Delhi 110016, India

EPC Contractor

L&T Construction Buildings & Factories
Mount Poonamallee Road, Manapakkam, P.O. No. 979, Chennai - 600 089

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, Pamposh Enclave, G.K-1, New Delhi, Delhi 110048, India

Structural Proof Consultant

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

MEP Proof Consultant

Egis India Consulting Engineers Pvt. Ltd.
Plot No. 66, Sector 32, Institutional Area, Opp. Zenith Solutions, Gurgaon, Haryana 122001

ICT Proof Consultant

CCR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Narayana Arcade, Subbaramachetty Road, Neelakappa Circle, Basavanagudi, Bengaluru - 560004

Certification

EPC Contractor

Design Consultant

Architectural Consultant

Proof Consultant

Structural	MEP	ICT

PEAC

Issued by:
Employer / Employer's Engineer

REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R0	ISSUED AS GOOD FOR CONSTRUCTION	01-10-2019	SP	PSY	MSK	GMR

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

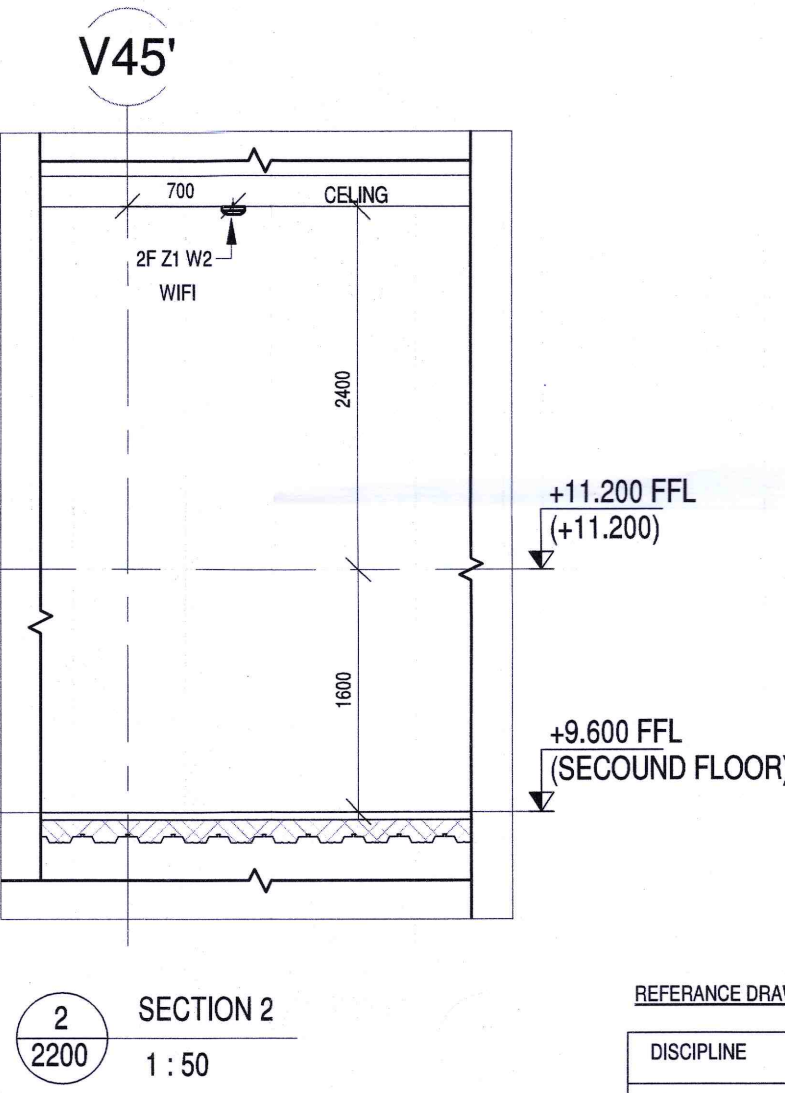
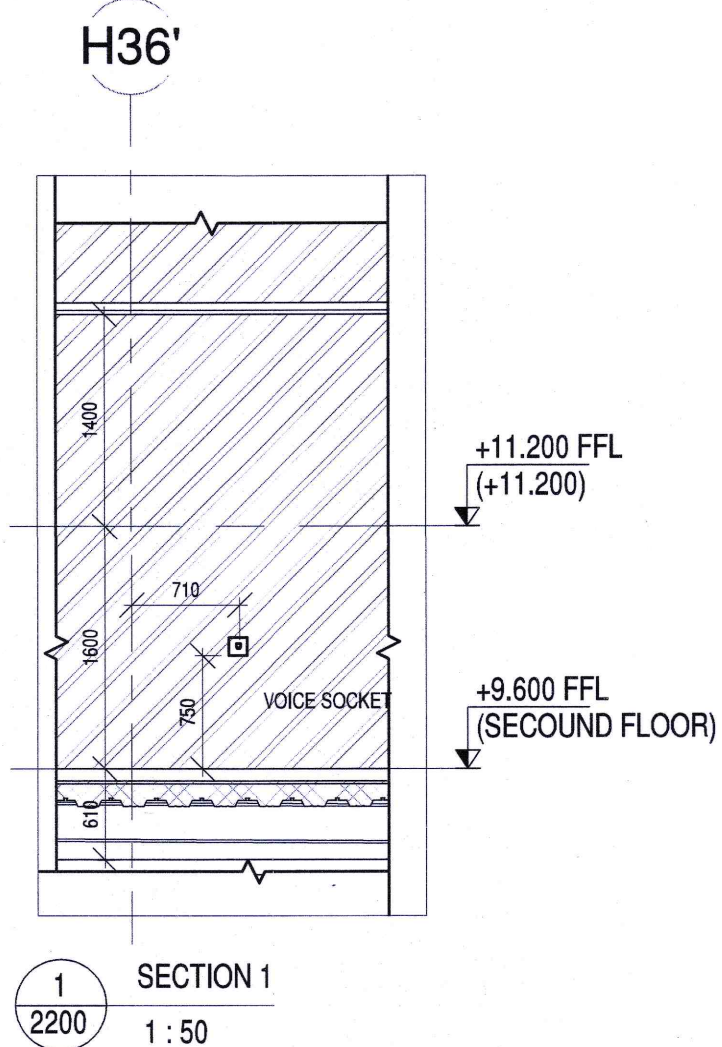
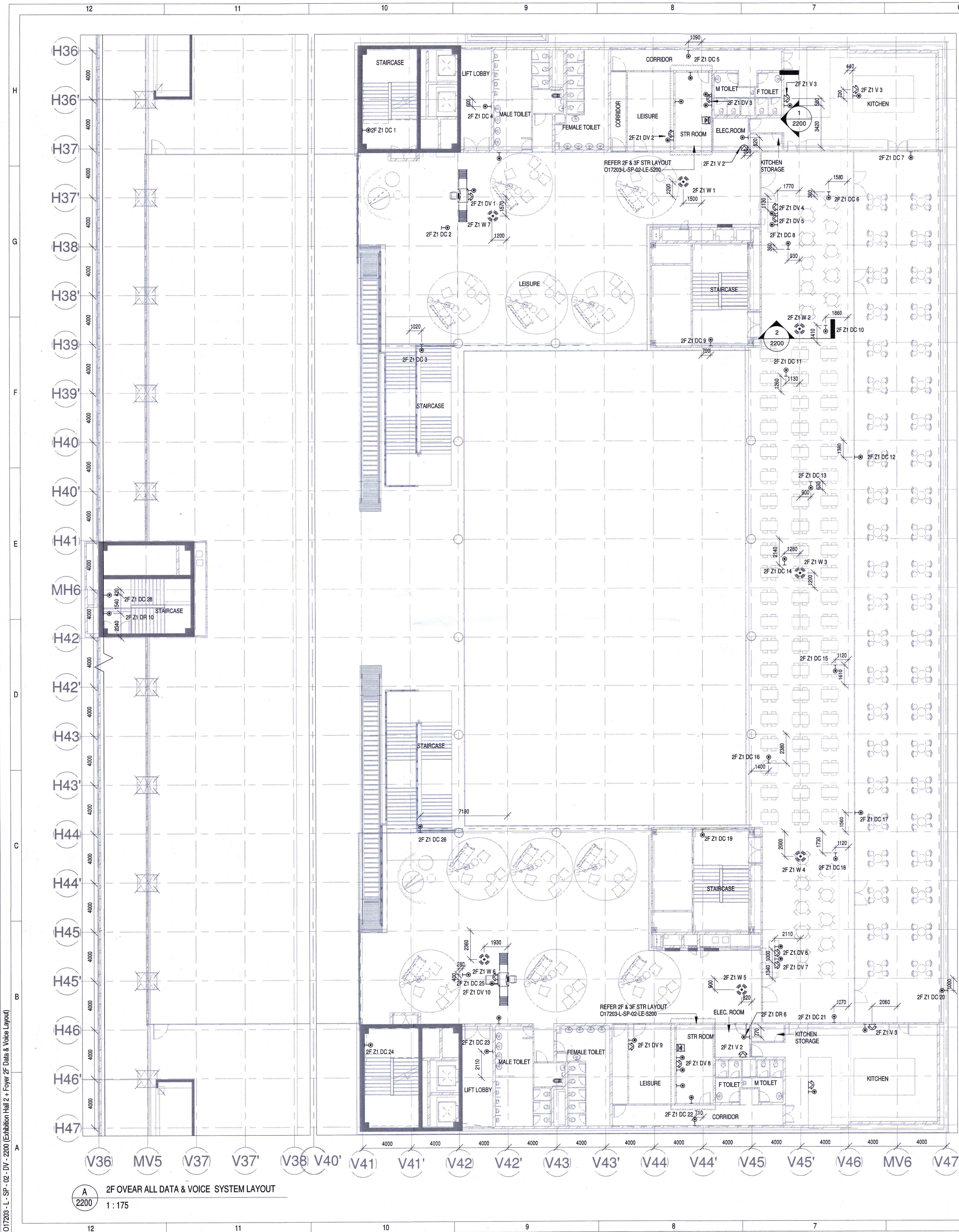
L	02	2000	R0
---	----	------	----

Title :

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

EDRC DWG No :	Scale	Sheet Size
O17203 - L - SP - 02 - DV - 2000	1 : 400	A1

NOTE: WIFI ACCESS POINTS ARE INDICATIVE, THE WAP SHALL BE PLACED BASED IN FINAL SITE SURVEY BY VENDOR



NOTES:

GENERAL

1. PVC CONDUITS SHALL BE CONCEALED IN WALL/CEILING IN NON-FALSE CEILING AREA.
2. SUSPENDED MS CONDUITS ARE TO BE USED. IF MORE THAN 3 CONDUITS RUN IN PARALLEL.
3. ALL CONDUITS SHOULD BE EQUIPPED WITH 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/TRAJECTORY 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 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. FOR DIGITAL, SIMPLEX SYSTEM AV SYSTEM & BGM REFER AV SYSTEM LAYOUT.
12. REFER STAIRCASE ELECTRICAL LIGHTING LAYOUT FOR ELV EQUIPMENT'S LOCATIONS IN STAIRCASE.
13. 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. SERVICES 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 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.

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.

NOTE: WIFI ACCESS POINTS ARE INDICATIVE, THE WP SHALL BE PLACED BASED IN FINAL SITE SURVEY BY VENDOR

TAG DETAIL:		
DATA		
2F-Z1-DC01	DATA NUMBER ZONE NUMBER SECOND FLOOR	
DATA / VOICE		
2F-Z1-DV01	DATA/VOICE NUMBER ZONE NUMBER SECOND FLOOR	
WIFI		
2F-Z1-W01	WIFI NUMBER ZONE NUMBER SECOND FLOOR	
DATA FOR CAMERA		
2F-Z1-DC01	DATA SOCKET FOR CAMERA ZONE NUMBER SECOND FLOOR	
DATA SOCKET FOR READER		
2F-Z1-DR01	DATA SOCKET FOR READER ZONE NUMBER SECOND FLOOR	
VOICE		
2F-Z1-V01	VOICE NUMBER ZONE NUMBER SECOND FLOOR	

LEGENDS:

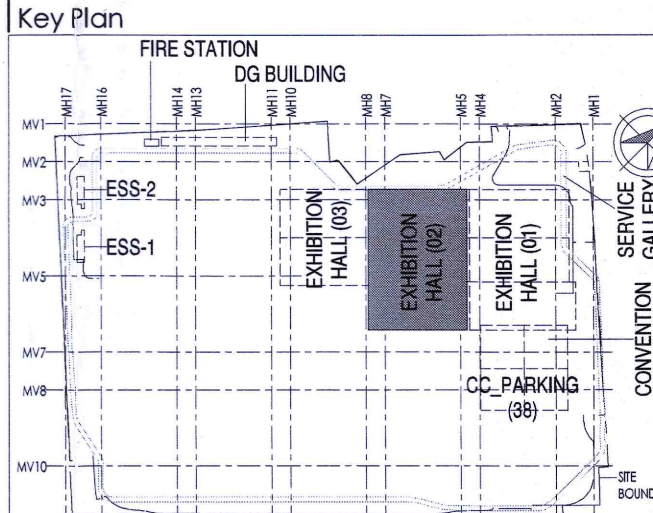
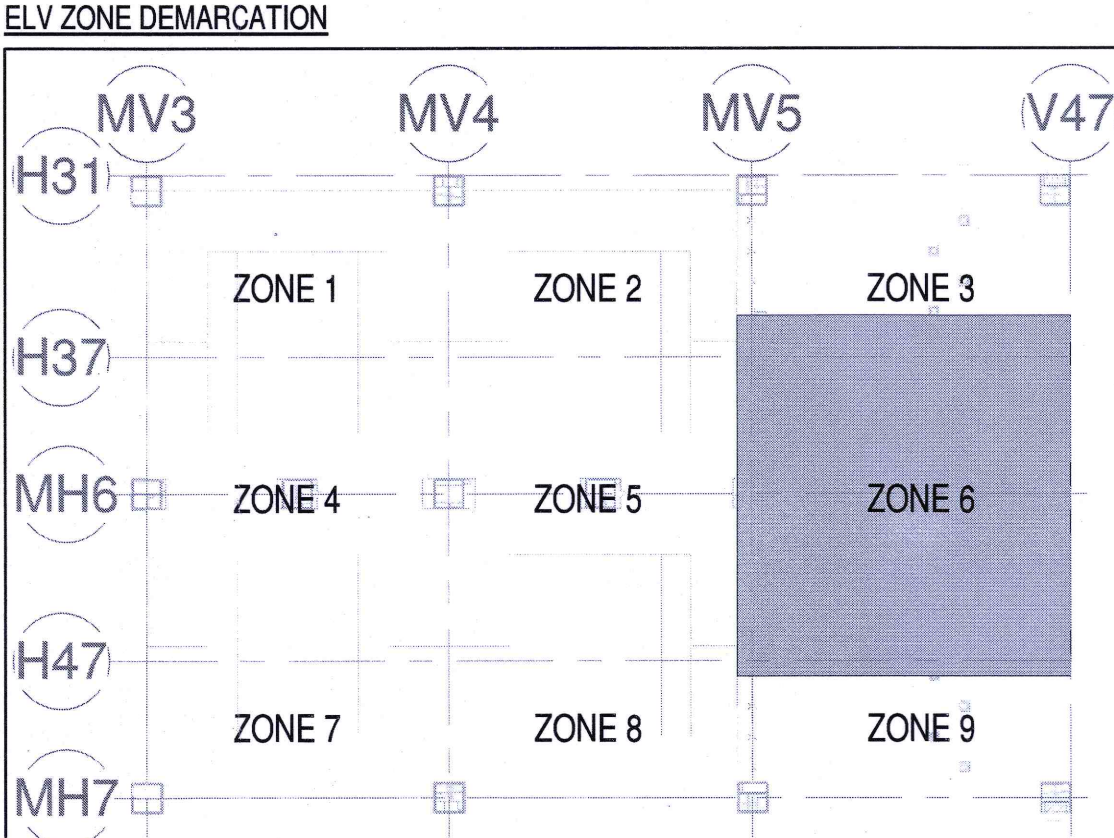
SL. NO	SYMBOL	DESCRIPTION	FIXING LEVEL
1	⊙	DATA SOCKET	750 / 900mm ABOVE FFL AS FOR ARCHITECTURAL
2	⊙	VOICE SOCKET	750 / 900mm ABOVE FFL AS FOR ARCHITECTURAL

DV ABBREVIATION

V - VOICE SOCKET
D - DATA SOCKET
W - WIFI
DC - DATA SOCKET FOR CAMERA
DR - DATA SOCKET FOR READER
DV - DATA & VOICE

REFERENCE DRAWINGS:

DISCIPLINE	DRAWING NO
ARCHITECTURAL	O17203-A-SP-02-WD-0007
STRUCTURAL	O17203-C-SP-02- NU-0004,0005,0006,0007,
ELECTRICAL EQUIPMENT & CABLE TRAY LAYOUT	O17203-E-SP-02-EE-0103
ELV	O17203-L-SP-02-DV-1200
HVAC	O17203-V-SP-02-VS-1001
FPS SCHEME	O17203-F-SP-02-PL-0010
FIRE ALARM SCHEME	O17203-F-SP-02-FA-0011
PHE	O17203-U-SP-02-IP-0001,0002



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
Room No 341 B, 3rd Floor Hotel Ashok, Diplomatic Enclave, 508 Chanakyapuri, New Delhi - 110021

Employer's Representative

Employer's Engineer
Programme Management Consultant (PMC)

AECOM

Preliminary Engineering Architecture Consultants (PEAC)

idom
Av. Del Monasterio de El Escorial, 4,
28049 Madrid, Spain

EPC Contractor

L&T Construction
Buildings & Factories
Mount Poonamallee Road, Manapakkam,
P.O.No.979, Chennai - 600 089

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, Pampore Enclave, G-1-1
New Delhi, Delhi 110048, India

Structural Proof Consultant

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

MEP Proof Consultant

Egis India Consulting Engineers Pvt. Ltd.
Plot No. 46, Sector 32, Institutional Area,
Opp. Zenith Solutions, Gurugram,
Haryana 122001

ICT Proof Consultant

CKR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Narayana Arcade,
Subbaramachetty Road, Nellore District, Circle,
Basavanagudi, Bengaluru - 560004

Certification

EPC Contractor

Design Consultant

Architectural Consultant

Proof Consultant

Structural **MEP** **ICT**

Reviewed GFC drawing prepared by Confirmed and
ensured that all preliminary aspects and parameters
have been adhered to.

PEAC

Signed on behalf of PEAC

Date: 16/10/2019

Issued by:
Employer / Employer's Engineer

Revisions

REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
1	ISSUED AS GOOD FOR CONSTRUCTION	27-08-2019	SP	PSY	MSK	GMR

Revisions

ARCHITECTURE	MEP	ICT	FPS
2	3	4	5
6	7	8	9
10	11	12	13
14	15	16	17
18	19	20	21
22	23	24	25
26	27	28	29
30	31	32	33
34	35	36	37
38	39	40	41
42	43	44	45
46	47	48	49
50	51	52	53
54	55	56	57
58	59	60	61
62	63	64	65
66	67	68	69
70	71	72	73
74	75	76	77
78	79	80	81
82	83	84	85
86	87	88	89
90	91	92	93
94	95	96	97
98	99	100	101
102	103	104	105
106	107	108	109
110	111	112	113
114	115	116	117
118	119	120	121
122	123	124	125
126	127	128	129
130	131	132	133
134	135	136	137
138	139	140	141
142	143	144	145
146	147	148	149
150	151	152	153
154	155	156	157
158	159	160	161
162	163	164	165
166	167	168	169
170	171	172	173
174	175	176	177
178	179	180	181
182	183	184	185
186	187	188	189
190	191	192	193
194	195	196	197
198	199	200	201
202	203	204	205
206	207	208	209
210	211	212	213
214	215	216	217
218	219	220	221
222	223	224	225
226	227	228	229
230	231	232	233
234	235	236	237
238	239	240	241
242	243	244	245
246	247	248	249
250	251	252	253
254	255	256	257
258	259	260	261
262	263	264	265
266	267	268	269
270	271	272	273
274	275	276	277
278	279	280	281
282	283	284	285
286	287	288	289
290	291	292	293
294	295	296	297
298	299	300	301
302	303	304	305
306	307	308	309
310	311	312	313
314	315	316	317
318	319	320	321
322	323	324	325
326	327	328	329
330	331	332	333
334	335	336	337
338	339	340	341
342	343	344	345
346	347	348	349
350	351	352	353
354	355	356	357
358	359	360	361
362	363	364	365
366	367	368	369
370	371	372	373
374	375	376	377
378	379	380	381
382	383	384	385
386	387	388	389
390	391	392	393
394	395	396	397
398	399	400	401
402	403	404	405
406	407	408	409
410	411	412	413
414	415	416	417
418	419	420	421
422	423	424	425
426	427	428	429
430	431	432	433
434	435	436	437
438	439	440	441
442	443	444	445
446	447	448	449
450	451	452	453
454	455	456	457
458	459	460	461
462	463	464	465
466	467	468	469
470	471	472	473
474	475	476	477
478	479	480	481
482	483	484	485
486	487	488	489
490	491	492	493
494	495	496	497
498	499	500	501
502	503	504	505
506	507	508	509
510	511	512	513
514	515	516	517
518	519	520	521
522	523	524	525
526	527	528	529
530	531	532	533
534	535	536	537
538	539	540	541
542	543	544	545
546	547	548	549
550	551	552	553
554	555	556	557
558	559	560	561
562	563	564	565
566	567	568	569
570	571	572	573
574	575	576	577
578	579	580	581
582	583	584	585
586	587	588	589
590	591	592	593
594	595	596	597
598	599	600	601
602	603	604	605
606	607	608	609
610	611	612	613
614	615	616	617
618	619	620	621
622	623	624	625
626	627	628	629
630	631	632	633
634	635	636	637
638	639	640	641
642	643	644	645
646	647	648	649
650	651	652	653
654	655	656	657
658	659	660	661
662	663	664	665
666	667	668	669
670	671	672	673
674	675	676	677
678	679	680	681
682	683	684	685
686	687	688	689
690	691	692	693
694	695	696	697
698	699	700	701
702	703	704	705
706	707	708	709
710	711	712	713
714	715	716	717
718	719	720	721
722	723	724	725
726	727	728	729
730	731	732	733
734	735	736	737
738	739	740	741
742	743	744	745
746	747	748	749
750	751	752	753
754	755	756	757
758	759	760	761
762	763	764	765
766	767	768	769
770	771	772	773
774	775	776	777
778	779	780	781
782	783	784	785
786	787	788	789
790	791	792	793
794	795	796	797
798	799	800	801
802	803	804	805
806	807	808	809
810	811	812	813
814	815	816	817
818	819	820	821
822	823	824	825
826	827	828	829
830	831	832	833
834	835	836	837
838	839	840	841
842	843	844	845
846	847	848	849
850	851	852	853
854	855	856	857
858	859	860	861
862	863	864	865
866	867	868	869
870	871	872	873
874	875	876	877
878	879	880	881
882	883	884	885
886	887	888	889
890	891	892	893
894	895	896	897
898	899	900	901
902	903	904	905
906	907	908	909
910	911	912	913
914	915	916	917
918	919	920	921
922	923	924	925
926	927	928	929
930	931	932	933
934	935	936	937
938	939	940	941
942	943	944	945
946	947	948	949
950	951	952	953
954	955	956	957
958	959	960	961
962	963	964	965
966	967	968	969
970	971	972	973
974	975	976	977
978	979	980	