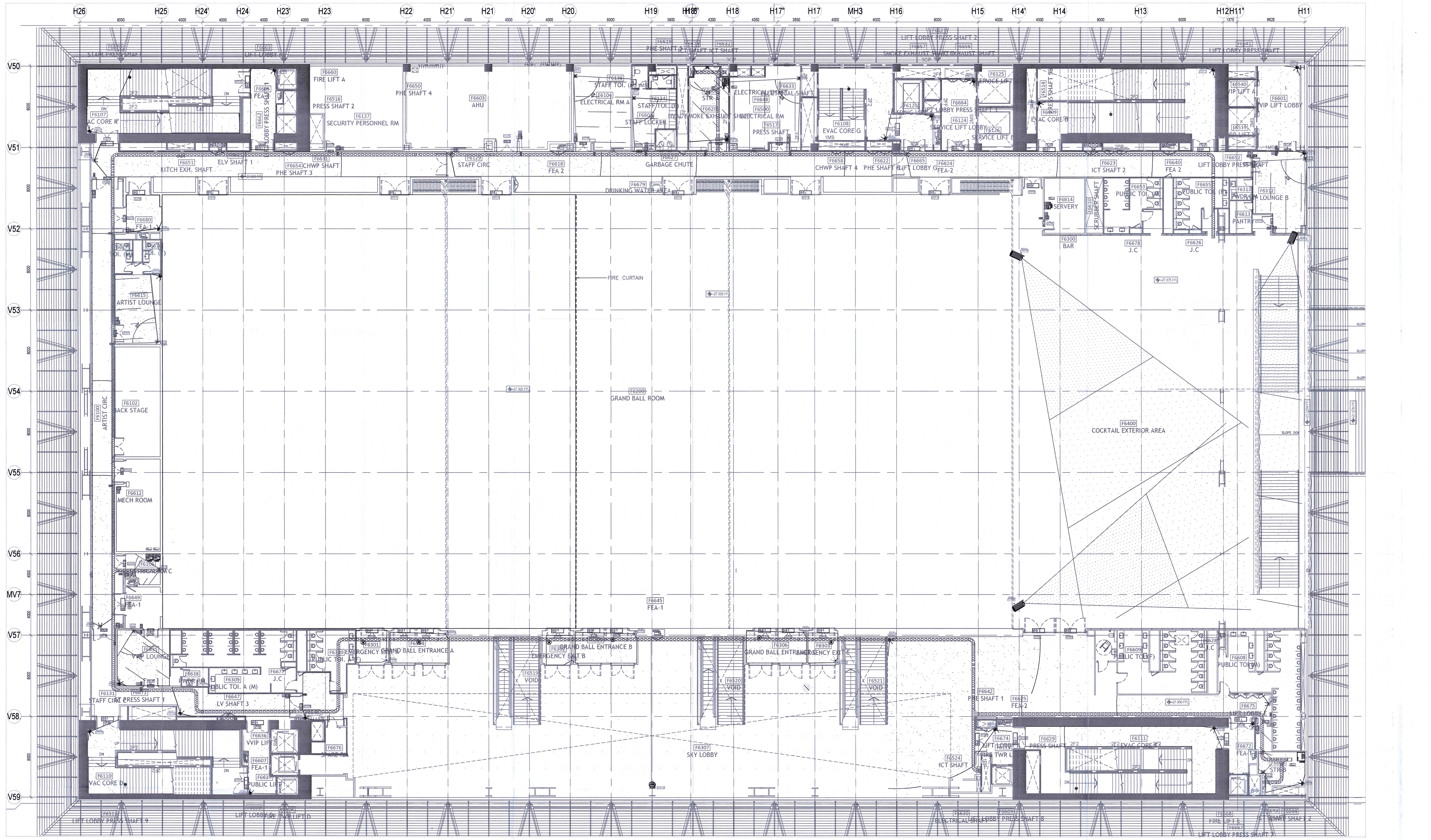


1 CC_F6_ OVERALL ELV SYSTEM LAYOUT
1600 1 : 150

REFERENCE DRAWING
ARCHITECTURE
FLOOR PLANS APPROVED VIA TRANSMITTAL NO EDRC-B&F/O17203/01346
STRUCTURE
O17203-C-SP-07-NU-0011 - LAYOUT AND NUMERATION DETAIL OF LEVEL - F7 (+27.90M)
ELECTRICAL
O17203-E-SP-07-LL-0073 - CONVENTION CENTER - SIXTH FLOOR 6F - LIGHTING LAYOUTS
O17203-E-SP-07-PL-0181 - CONVENTION CENTER - SIXTH FLOOR 6F - POWER LAYOUTS
O17203-E-SP-07-EE-0287 -CONVENTION CENTER -6F- ELECTRICAL EQUIPMENT, CABLE TRAY & EARTHING LAYOUT - OVERALL PLAN
FPS
O17203-F-SP-07-PL-0028 - CONVENTION CENTRE - 6F - OVER ALL PLAN: LAYOUT OF WETRISER CUM DOWNCOMER, AUTOMATIC SPRINKLER SYSTEM AND PORTABLE FIRST-AID FIRE EXTINGUISHERS
017203-F-SP-07-FA-0029 - CONVENTION CENTRE - 6F- OVER ALL PLAN: LAYOUT OF INTEGRATED INTELLIGENT ADDRESSABLE FIRE DETECTION & ALARM SYSTEM AND PHOTOLUMINESCENT SAFETY SIGNAGES
HVAC
O17203-V-SP-07-AC-0029 - CONVENTION CENTRE SIXTH FLOOR 6F - HVAC EQUIPMENT DUCTING AND PIPING LAYOUT
PHE
017203-U-SP-07-IP-0082 to 0085 - PLUMBING SYSTEM LAYOUT - SIXTH FLOOR 6F - TOILET WATER SUPPLY LAYOUT

GENERAL NOTE
1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED.
2. EXACT ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH ENGINEERING IN CHARGE TO SUIT SITE CONDITIONS.
3. MS CONDUIT USED FOR OPEN APPLICATION.
4. THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
5. 50% SPARE IS MAINTAINED IN CONDUIT.

CCTV & ACS SYSTEM
1. IP POINT HAS TO BE MADE AVAILABLE NEAR EACH CAMERA.REFER DATA VOICE LAYOUT-O17203-L-SP-07-DV-2600.
2. THE CCTV CAMERA VIEW ANGLE TO BE SET AS PER THE COVERAGE LOCATION.
3. ALL SCHEMATICS DRAWING SHALL BE SUBMITTED SEPARATELY.
4. IP POINT HAS TO BE MADE AVAILABLE NEAR EACH ACS CONTROLLER.REFER DATA VOICE LAYOUT-O17203-L-SP-07-DV-2600.

IP TALK BACK SYSTEM
1. CAT6A, 4 PAIR TWISTED PAIR U/UTP CABLES SHALL BE USED TO CONNECT WITH NEAREST AVAILABLE IP POINT

ACS LEGENDS

S.NO	SYMBOL	ITEM DESCRIPTION	MOUNTING HEIGHT
1		ACCESS, DUAL READER CONTROLLER (Make-RBH, Model No.- RBH-UNC500-432M)	INSIDE ENCLOSURE
2		DUAL INTERFACE MODULE FOR READERS (Make-RBH, NURC 2002)	INSIDE ENCLOSURE
3		INPUT & OUTPUT CONTROL MODULE (Make-RBH, Model No.- RBH-IOC-16)	INSIDE ENCLOSURE
4		SMART CARD READER (Make-RBH, Model No.- RBH-R86)	1000MM FROM FFL
5		SMART CARD READER WITH KEYPAD (Make-RBH, Model No.- RBH-RK86)	1000MM FROM FFL
6		BIO-METRIC CARD READER (Make-RBH, Model No.- RBH-BFR-150)	1000MM FROM FFL
7		IRIS READER (Make-IRIS ID, Model No.- iCAM7000S-B)	1000MM FROM FFL
8		MAGNETIC CONTACT (Make-CQR, Model No.- SC570/WH/G3/EN)	ON DOOR
9		MAGNETIC CONTACT-ROLLING SHUTTER (Make-CQR, Model No.- RS007/G3/AB)	ON DOOR
10	EML-S	EM LOCK-SINGLE LEAF WITH DPS (Make-REMCON, Model No.- REM-600-LBS-SL-M)	ON DOOR
11	EML-D	EM LOCK- DOUBLE LEAF WITH DPS (Make-REMCON, Model No.- REM-600-LBS-DL-M)	ON DOOR
12		EMERGENCY BREAK GLASS UNIT (Make-BEL, Model No.-E-108E)	1000MM FROM FFL
13		EXIT PUSH BUTTON (Make- BEL, Model No.-DEB-33SS)	1000MM FROM FFL
14		MOTION DETECTOR (Make- TEXECOM, Model No.-AFB0052)	2600MM FROM FFL
15		8 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
16		4 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
17		2 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
18		25 MM PVC CONDUIT (Make- RMG)	ON WALL AND CEILING
19		32 MM PVC CONDUIT (Make- RMG)	ON WALL AND CEILING

CCTV LEGENDS

S.NO	SYMBOL	DESCRIPTION	MOUNTING HEIGHT
1		INDOOR/OUTDOOR FIXED CAMERA (Make-PELCO, Model No.- IMP231-1ERS)	WALL/FALSE CEILING MOUNTED
2		INDOOR/OUTDOOR VARIFOCAL DOME CAMERA (Make-PELCO, Model No.- IMP231-1ERS)	WALL/FALSE CEILING MOUNTED
3		OUTDOOR BULLET CAMERA (Make-PELCO, Model No.-IBP231-1ER)	WALL/FALSE CEILING MOUNTED
4		INDOOR/OUTDOOR 180 Deg PERIMETER CAMERA (Make-PELCO, Model No.-IMD2007-1ES)	WALL/FALSE CEILING MOUNTED
5		INDOOR/OUTDOOR 360 Deg REMOTE DOME CAMERA (Make-PELCO, Model No.-IMD2007-1ES)	WALL/FALSE CEILING MOUNTED
6		INDOOR/OUTDOOR 360 Deg CAMERA (Make-PELCO, Model No.-IMM12036-1ES)	WALL/FALSE CEILING MOUNTED
7		INDOOR FIXED CAMERA(Face Recognition) (Make-PELCO, Model No.- IMP231-1ERS)	WALL/FALSE CEILING MOUNTED
8		PATCH CORD	WALL/FALSE CEILING INSTALLATION

OTHER VENDOR SCOPE

S.NO	SYMBOL	DESCRIPTION
1	■	IP Ethernet Point
2		UPS Power Supply Point (230V 6 AMP)

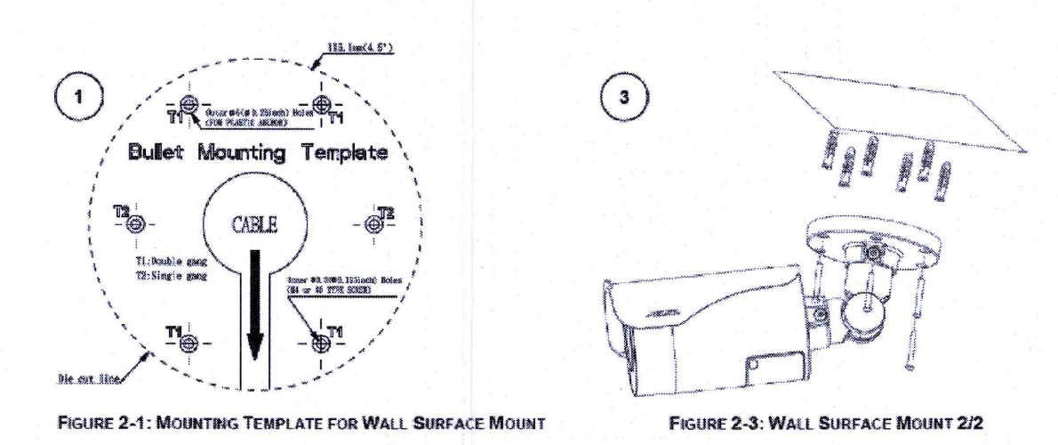
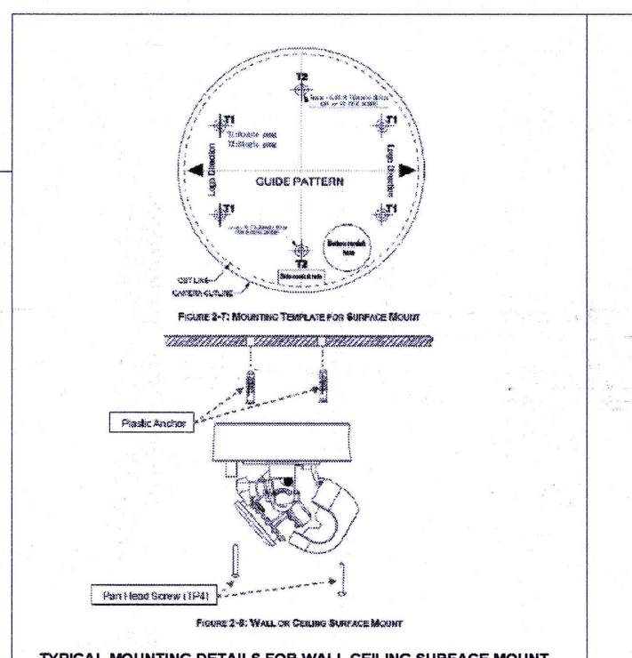
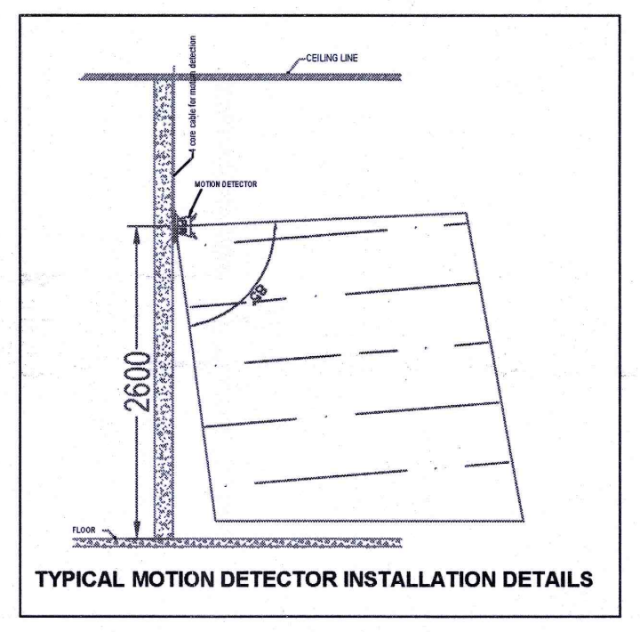
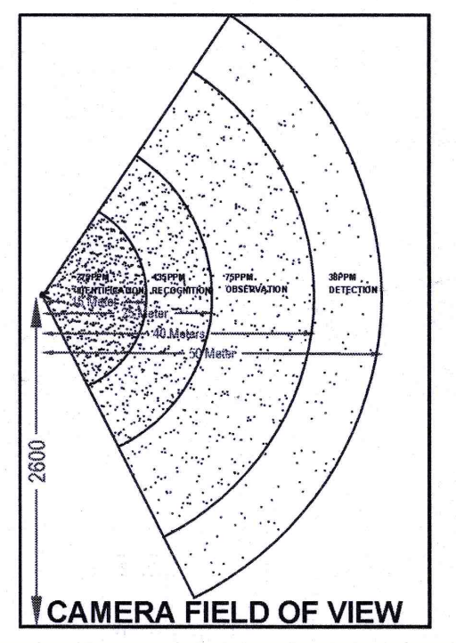


FIGURE 2-1: MOUNTING TEMPLATE FOR WALL SURFACE MOUNT
FIGURE 2-3: WALL SURFACE MOUNT 2/2
TYPICAL MOUNTING DETAILS FOR OUTDOOR BULLET CAMERA SURFACE MOUNT

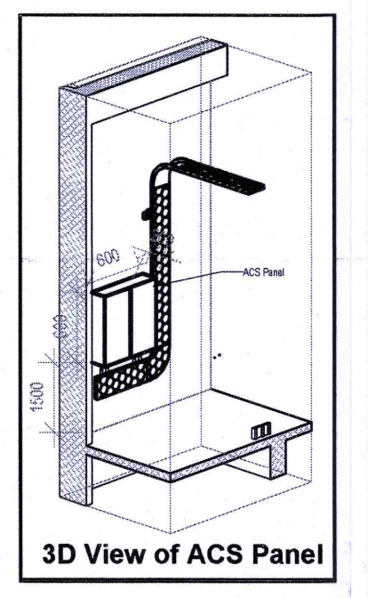

TYPICAL MOUNTING DETAILS FOR WALL CEILING SURFACE MOUNT

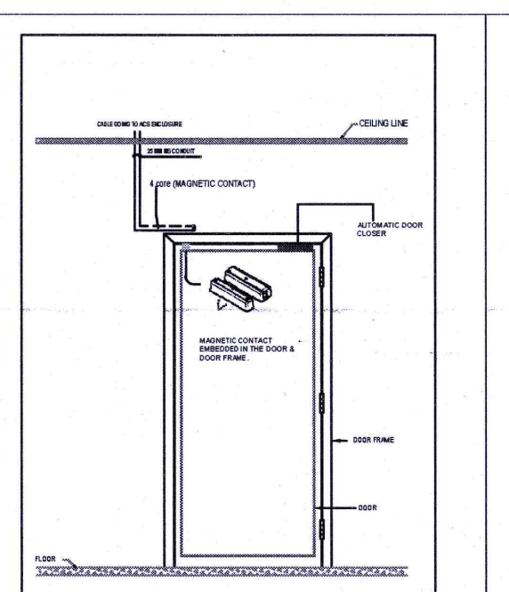


TYPICAL MOTION DETECTOR INSTALLATION DETAILS

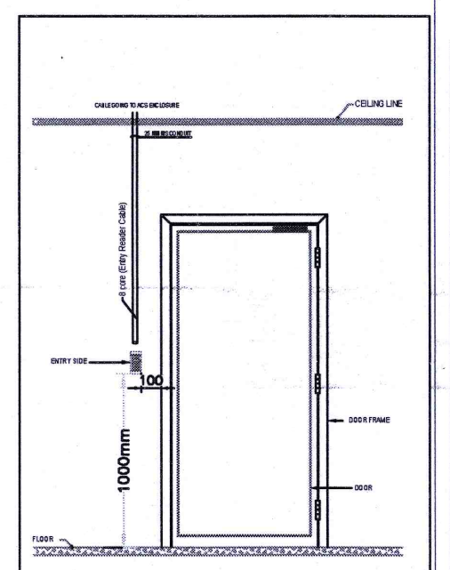


CAMERA FIELD OF VIEW

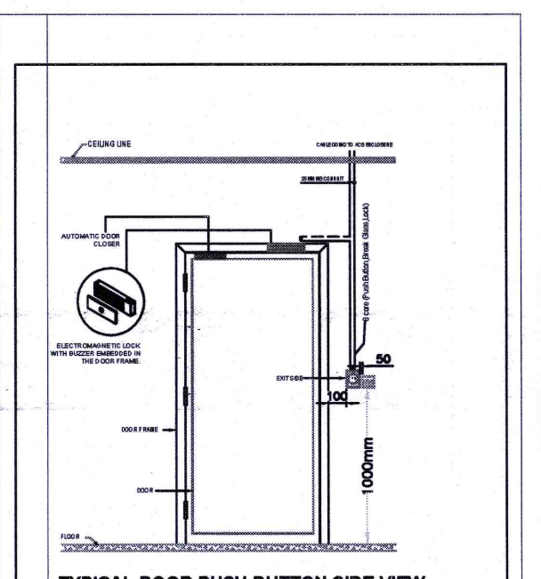

3D View of ACS Panel



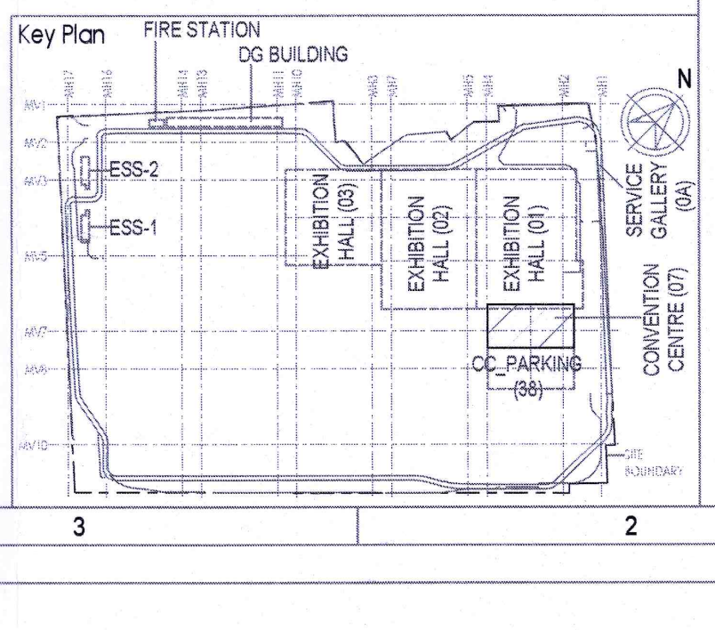
TYPICAL DOOR MAGNETIC CONTACT SIDE VIEW



TYPICAL DOOR READER SIDE VIEW



TYPICAL DOOR PUSH BUTTON SIDE VIEW

Key Plan


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P.B.No.979, Chennai – 600 089

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New Delhi, Delhi 110048, India

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Tamil Nadu 600036

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Opp: Zenatix Solutions, Gurugram,
Haryana 122001

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

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Structural
MEP
ICT
CKR Consulting Engineers Pvt. Ltd. Bangalore 2
PEAC
Reviewed GFC drawing prepared by Contractor and ensured that all preliminary aspects and parameters have been adhered to:
10/03/2020
Issued by: Signature on behalf of PEAC
Employer / Employer's Engineer

R0	ISSUED FOR GFC	25.02.20	BVH	MVK	MSK	GNR
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 :

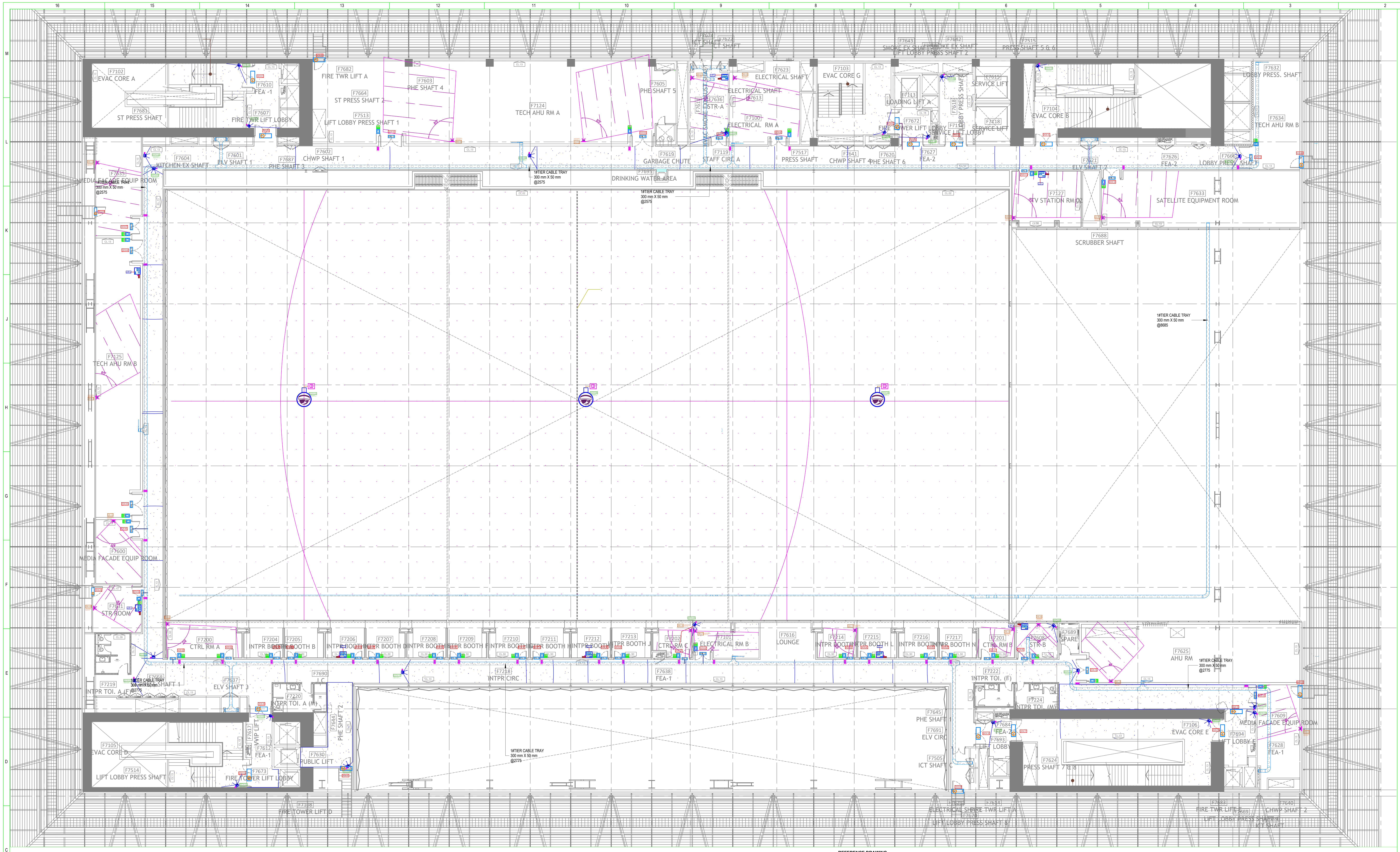
Project Name
DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTIONAL & EXPO CENTRE
SECTOR 25,DWARKA,NEW DELHI,INDIA

Drawing Status
GOOD FOR CONSTRUCTION
GOOD FOR CONSTRUCTION (GFC)

Drawing No: L 07 1600
Rev. No: R0

Title :
CONVENTION CENTER-6F-OVER ALL ELV SYSTEM LAYOUT

EDRC DWG No : O17203-L-SP-07-LV-1600
Scale: AS INDICATED
Sheet Size: A0



1 CC_F7_ OVERALL ELV SYSTEM LAYOUT
1700 1 : 150

ACS LEGENDS

SYMBOL	ITEM DESCRIPTION	MOUNTING HEIGHT
ACCESS IP CONTROLLER RBH-UNC500-432M	ACCESS, DUAL READER CONTROLLER (Make-RBH, Model No.- RBH-UNC500-432M)	INSIDE ENCLOSURE
Dual Reader Interface Module RBH-NURC-2002	DUAL INTERFACE MODULE FOR READERS (Make-RBH, NURC 2002)	INSIDE ENCLOSURE
Input Module RBH-IOC-16	INPUT & OUTPUT CONTROL MODULE (Make-RBH, Model No.- RBH-IOC-16)	INSIDE ENCLOSURE
▯	SMART CARD READER (Make-RBH, Model No.- RBH-R86)	1000MM FROM FFL
▯	SMART CARD READER WITH KEYPAD (Make-RBH, Model No.- RBH-RK86)	1000MM FROM FFL
▯	BIO-METRIC CARD READER (Make-RBH, Model No.- RBH-BFR-150)	1000MM FROM FFL
▯	IRIS READER (Make-IRIS ID, Model No.- iCAM7000S-B)	1000MM FROM FFL
MC	MAGNETIC CONTACT (Make-CQR, Model No.- SC570/WH/G3/EN)	ON DOOR
MC	MAGNETIC CONTACT-ROLLING SHUTTER (Make-CQR, Model No.- RS007/G3/AB)	ON DOOR
EML-S	EM LOCK-SINGLE LEAF WITH DPS (Make-REMCON, Model No.- REM-600-LBS-SL-M)	ON DOOR
EML-D	EM LOCK- DOUBLE LEAF WITH DPS (Make-REMCON, Model No.- REM-600-LBS-DL-M)	ON DOOR
EMERGENCY EXIT	EMERGENCY BREAK GLASS UNIT (Make-BEL, Model No.-E-108E)	1000MM FROM FFL
PB	EXIT PUSH BUTTON (Make- BEL, Model No.-DEB-33SS)	1000MM FROM FFL
⌘	MOTION DETECTOR (Make- TEXECOM, Model No.-AFB0052)	2600MM FROM FFL
	8 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
	4 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
—	2 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
▭	25 MM PVC CONDUIT (Make- RMG)	ON WALL AND CEILING
▭	32 MM PVC CONDUIT (Make- RMG)	ON WALL AND CEILING

CCTV LEGENDS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
●	INDOOR/OUTDOOR FIXED CAMERA (Make-PELCO, Model No.- IMP231-1ERS)	WALL/FALSE CEILING MOUNTED
▬	OUTDOOR BULLET CAMERA (Make-PELCO, Model No.-IBP231-1ER)	WALL/FALSE CEILING MOUNTED
●	INDOOR/OUTDOOR 360 Deg CAMERA (Make-PELCO, Model No.-IMM12036-1ES)	WALL/FALSE CEILING MOUNTED
●	INDOOR/OUTDOOR 360 Deg REMOTE DOME CAMERA (Make-PELCO, Model No.-IMD2007-1ES)	WALL/FALSE CEILING MOUNTED
—	PATCH CORD	WALL/FALSE CEILING INSTALLATION

OTHER VENDOR SCOPE

SYMBOL	DESCRIPTION
▯	IP Ethernet Point
⊡⊡	UPS Power Supply Point (230V 6 AMP)

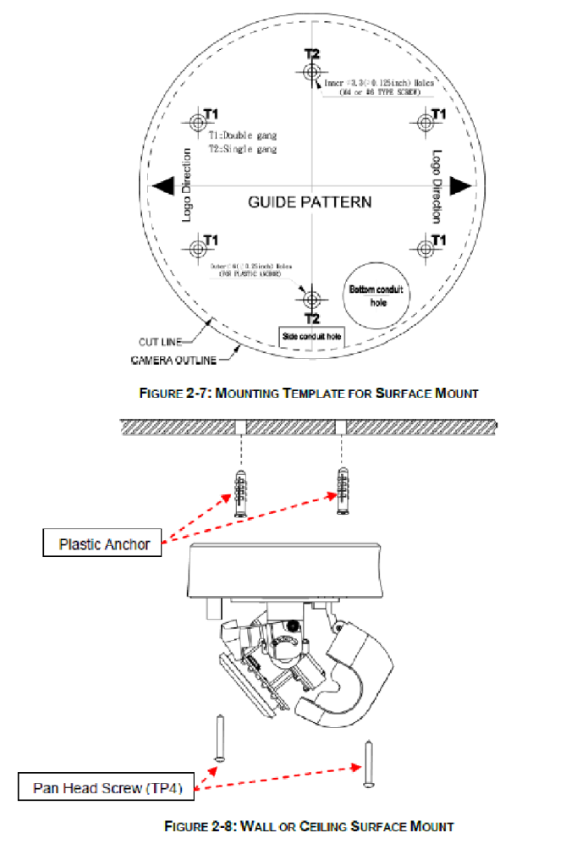
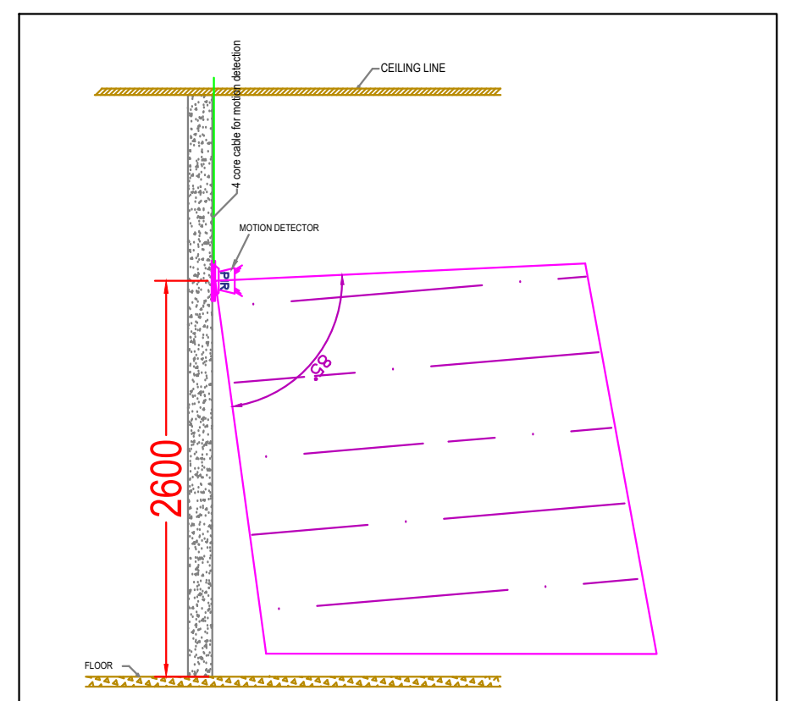


FIGURE 2-7: MOUNTING TEMPLATE FOR SURFACE MOUNT

FIGURE 2-8: WALL OR CEILING SURFACE MOUNT

TYPICAL MOUNTING DETAILS FOR WALL CEILING SURFACE MOUNT



TYPICAL MOTION DETECTOR INSTALLATION DETAILS

REFERENCE DRAWING

ARCHITECTURE

FLOOR PLANS APPROVED VIA TRANSMITTAL NO EDRC-B&F/O17203/01346

STRUCTURE

O17203-C-SP-07-NU-0012 - LAYOUT AND NUMERATION DETAIL OF LEVEL - F8 (+27.90M)

ELECTRICAL

O17203-E-SP-07-LL-0082 - CONVENTION CENTER - SEVENTH FLOOR 7F - LIGHTING LAYOUTS
O17203-E-SP-07-PL-0190 - CONVENTION CENTER - SEVENTH FLOOR 7F - POWER LAYOUTS
O17203-E-SP-07-EE-0298 -CONVENTION CENTER -7F- ELECTRICAL EQUIPMENT, CABLE TRAY & EARTHING LAYOUT - OVERALL PLAN

FPS

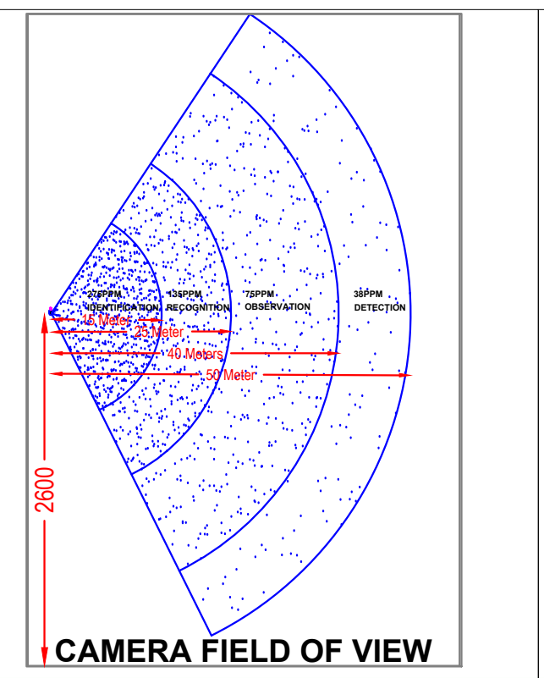
O17203-F-SP-07-PL-0031 - CONVENTION CENTRE - 7F - OVER ALL PLAN: LAYOUT OF WETRISER CUM DOWNCOMER, AUTOMATIC SPRINKLER SYSTEM AND PORTABLE FIRST-AID FIRE EXTINGUISHERS
017203-F-SP-07-FA-0032 - CONVENTION CENTRE - 7F- OVER ALL PLAN: LAYOUT OF INTEGRATED INTELLIGENT ADDRESSABLE
FIRE DETECTION & ALARM SYSTEM AND PHOTOLUMINESCENT SAFETY SIGNAGES

HVAC

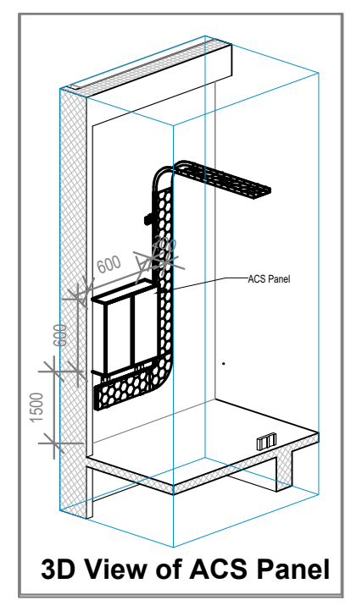
O17203-V-SP-07-AC-0030 - CONVENTION CENTRE SEVENTH FLOOR 7F - HVAC EQUIPMENT DUCTING AND PIPING LAYOUT

PHE

017203-U-SP-07-IP-0043 to 0045 - PLUMBING SYSTEM LAYOUT - SEVENTH FLOOR 7F - TOILET WATER SUPPLY LAYOUT



CAMERA FIELD OF VIEW



3D View of ACS Panel

GENERAL NOTE

1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED.
2. EXACT ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH ENGINEERING IN CHARGE TO SUIT SITE CONDITIONS.
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4. THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
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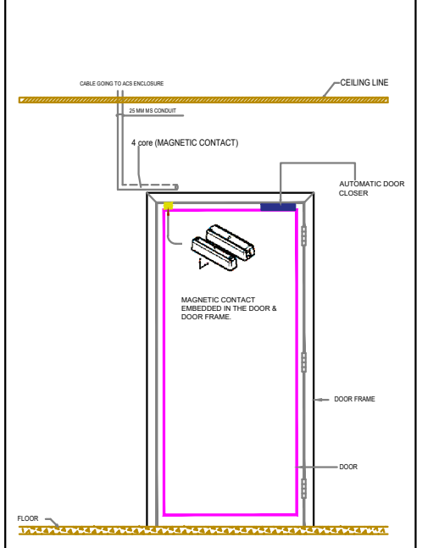
CCTV & ACS SYSTEM

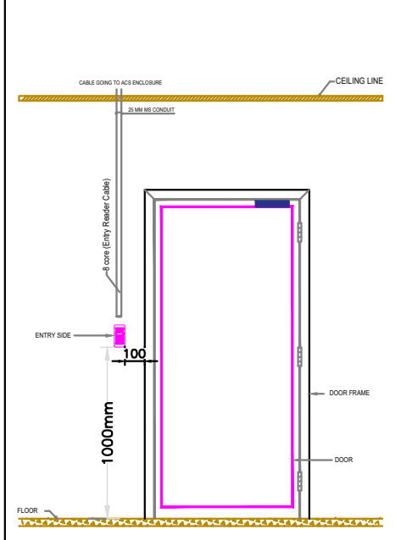
1. IP POINT HAS TO BE MADE AVAILABLE NEAR EACH CAMERA.REFER DATA VOICE LAYOUT-O17203-L-SP-07-DV-2700.
2. THE CCTV CAMERA VIEW ANGLE TO BE SET AS PER THE COVERAGE LOCATION.
3. ALL SCHEMATICS DRAWING SHALL BE SUBMITTED SEPARATELY.
4. IP POINT HAS TO BE MADE AVAILABLE NEAR EACH ACS CONTROLLER.REFER DATA VOICE LAYOUT-O17203-L-SP-07-DV-2700.

IP TALK BACK SYSTEM

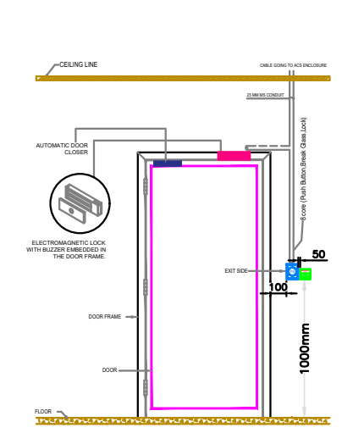
1. CAT6A, 4 PAIR TWISTED PAIR U/UTP CABLES SHALL BE USED TO CONNECT WITH NEAREST AVAILABLE IP POINT


CABLE GOING TO ACS ENCLOSURE
CEILING LINE
25 MM MS CONDUIT
4 core (MAGNETIC CONTACT)
AUTOMATIC DOOR CLOSER
MAGNETIC CONTACT EMBEDDED IN THE DOOR & DOOR FRAME.
DOOR FRAME
DOOR
FLOOR

TYPICAL DOOR MAGNETIC CONTACT SIDE VIEW

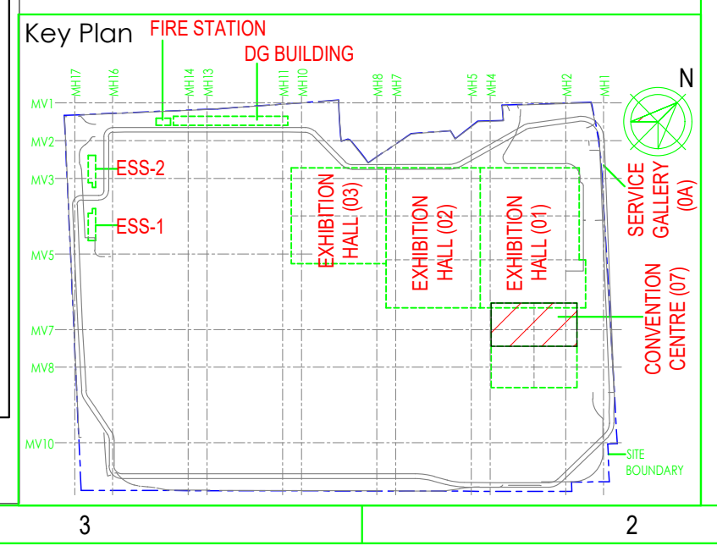


TYPICAL DOOR READER SIDE VIEW


CEILING LINE
CABLE GOING TO ACS ENCLOSURE
25 MM MS CONDUIT
AUTOMATIC DOOR CLOSER
ELECTROMAGNETIC LOCK WITH BUZZER EMBEDDED IN THE DOOR FRAME.
8 core (Push Button,Break Glass Lock)
EXIT SIDE
50
100
1000mm
DOOR FRAME
DOOR
FLOOR

TYPICAL DOOR PUSH BUTTON SIDE VIEW

Key Plan



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Opp: Zenatix Solutions, Gurugram,
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Architectural Consultant

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Structural	MEP	ICT

PEAC

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Revisions

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

EPC Contractor
L&T Construction
Buildings & Factories

JOB No : O17203

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

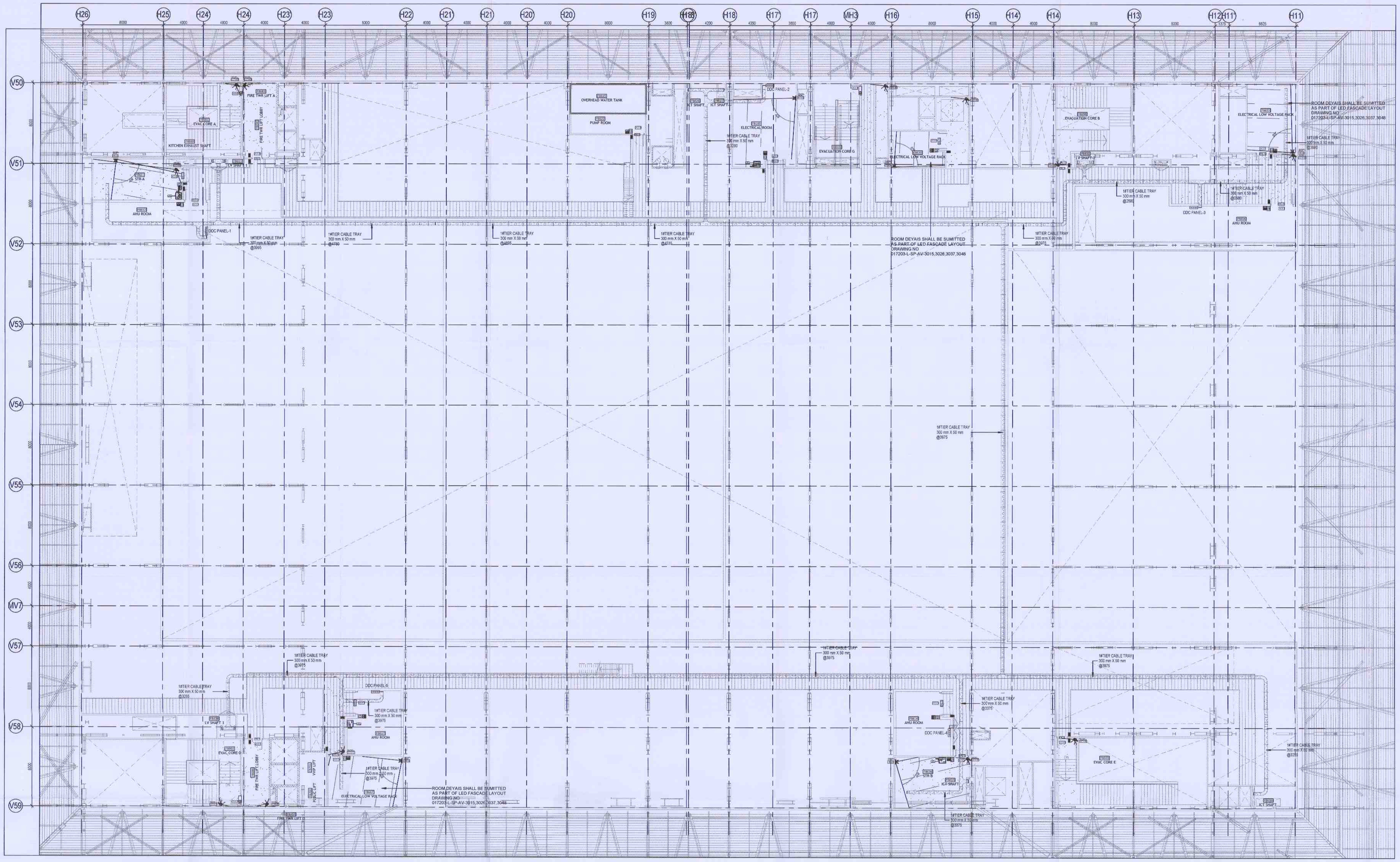
Drawing Status
GOOD FOR CONSTRUCTION (GFC)

Drawing No			Rev. No
L	07	1700	R0

Title :
CONVENTION CENTER-7F-OVER ALL ELV SYSTEM LAYOUT

EDRC DWG No :	Scale	Sheet Size
O17203-L-SP-07-LV-1700	AS INDICATED	A0

O17203 - L - 07 - 1700 (CONVENTION CENTER-7F-OVER ALL ELV SYSTEM LAYOUT)



1 / 1800 CC_F8 OVERALL ELV SYSTEM LAYOUT
1 : 150

GENERAL NOTE

1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED.
2. EXACT ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH ENGINEERING IN CHARGE TO SUIT SITE CONDITIONS.
3. MS CONDUIT USED FOR OPEN APPLICATION.
4. THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
5. 50% SPARE IS MAINTAINED IN CONDUIT.

CCTV & ACS SYSTEM

1. IP POINT HAS TO BE MADE AVAILABLE NEAR EACH CAMERA.REFER DATA VOICE LAYOUT-O17203-L-SP-07-DV-2800.
2. THE CCTV CAMERA VIEW ANGLE TO BE SET AS PER THE COVERAGE LOCATION
3. ALL SCHEMATICS DRAWING SHALL BE SUBMITTED SEPARATELY.
4. IP POINT HAS TO BE MADE AVAILABLE NEAR EACH ACS CONTROLLER.REFER DATA VOICE LAYOUT-O17203-L-SP-07-DV-2800.

IP TALK BACK SYSTEM

1. CAT6A, 4 PAIR TWISTED PAIR U/UTP CABLES SHALL BE USED TO CONNECT WITH NEAREST AVAILABLE IP POINT

REFERENCE DRAWING

ARCHITECTURE

FLOOR PLANS APPROVED VIA TRANSMITTAL NO EDRC-B&F/O17203/01346

STRUCTURE

O17203-C-SP-07-NU-0012 - LAYOUT AND NUMERATION DETAIL OF LEVEL - F8 (+27.90M)

ELECTRICAL

O17203-E-SP-07-LL-0091 - CONVENTION CENTER - EIGHTH FLOOR 8F - LIGHTING LAYOUTS
O17203-E-SP-07-PL-0199 - CONVENTION CENTER - EIGHTH FLOOR 8F - POWER LAYOUTS
O17203-E-SP-07-EE-0308 -CONVENTION CENTER -8F- ELECTRICAL EQUIPMENT, CABLE TRAY & EARTHING LAYOUT - OVERALL PLAN

FPS

O17203-F-SP-07-PL-0034 - CONVENTION CENTRE - 8F - OVER ALL PLAN: LAYOUT OF WETRISER CUM DOWNCOMER, AUTOMATIC SPRINKLER SYSTEM AND PORTABLE FIRST-AID FIRE EXTINGUISHERS
017203-F-SP-07-FA-0038 - CONVENTION CENTRE - 8F- OVER ALL PLAN: LAYOUT OF INTEGRATED INTELLIGENT ADDRESSABLE FIRE DETECTION & ALARM SYSTEM AND PHOTOLUMINESCENT SAFETY SIGNAGES

HVAC

O17203-V-SP-07-AC-0031 - CONVENTION CENTRE EIGHTH FLOOR 8F- HVAC EQUIPMENT DUCTING AND PIPING LAYOUT

PHE

017203-U-SP-07-IP-0090 - PLUMBING SYSTEM LAYOUT - EIGHTH FLOOR 8F - TOILET WATER SUPPLY LAYOUT

ACS LEGENDS

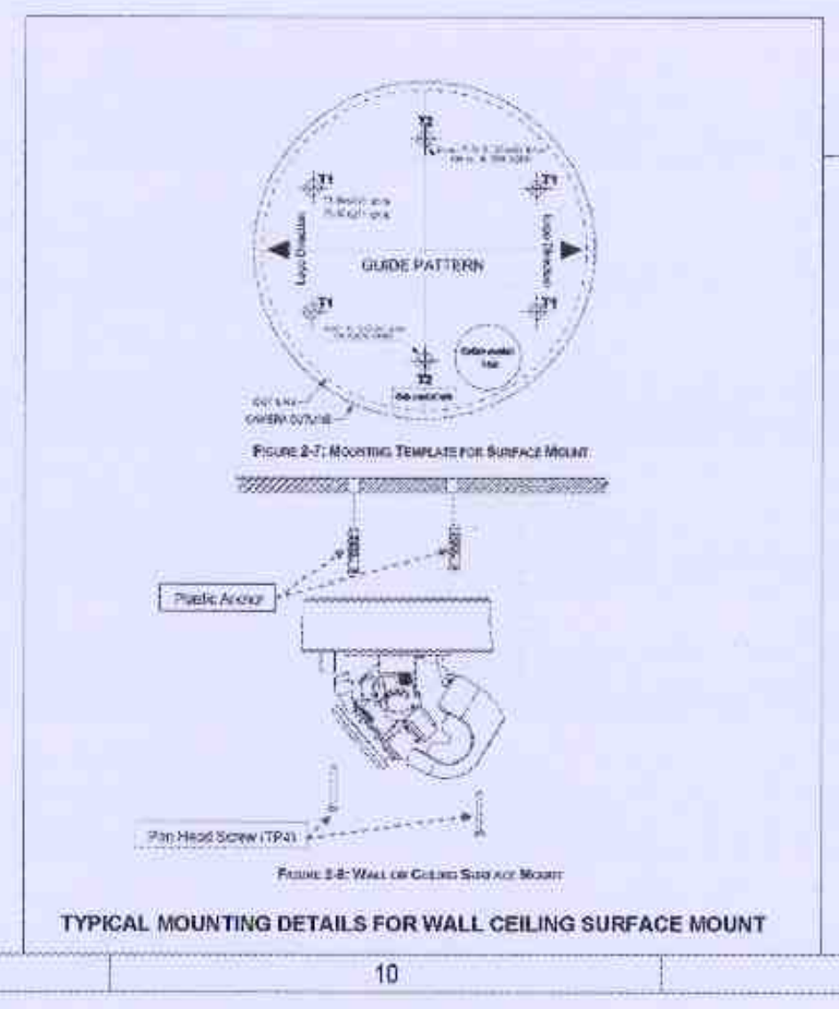
S.NO	SYMBOL	ITEM DESCRIPTION	MOUNTING HEIGHT
1	▭	ACCESS, DUAL READER CONTROLLER (Make-RBH, Model No.- [illegible])	INSIDE ENCLOSURE
2	▭	DUAL INTERFACE MODULE FOR READERS (Make-RBH, NURC 2000)	INSIDE ENCLOSURE
3	▭	INPUT & OUTPUT CONTROL MODULE (Make-RBH, Model No.- RBH-IOC-16)	INSIDE ENCLOSURE
4	▮	SMART CARD READER (Make-RBH, Model No.- RBH-RS6)	1000MM FROM FFL
5	▮	SMART CARD READER WITH KEYPAD (Make-RBH, Model No.- RBH-RKS6)	1000MM FROM FFL
6	▮	BIO-METRIC CARD READER (Make-RBH, Model No.- RBH-BFR-150)	1000MM FROM FFL
7	▮	IRIS READER (Make-PRS ID, Model No.- [illegible])	1000MM FROM FFL
8	▭	MAGNETIC CONTACT (Make-COR, Model No.- [illegible])	ON DOOR
9	▭	MAGNETIC CONTACT-ROLLING SHUTTER (Make-COR, Model No.- RS007/S3/AB)	ON DOOR
10	EML-S	EM LOCK-SINGLE LEAF WITH DPS (Make-REMCON, Model No.- REM-600-LBS-SL-M)	ON DOOR
11	EML-D	EM LOCK- DOUBLE LEAF WITH DPS (Make-REMCON, Model No.- REM-600-LBS-DL-M)	ON DOOR
12	■	EMERGENCY BREAK GLASS UNIT (Make-BEL, Model No.-E-1380)	1000MM FROM FFL
13	▣	EXIT PUSH BUTTON (Make- BEL, Model No.-[illegible])	1000MM FROM FFL
14	▣	MOTION DETECTOR (Make- TEXECOM, Model No.-[illegible])	2600MM FROM FFL
15	—	8 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
16	—	4 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
17	—	2 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
18	▭	25 MM PVC CONDUIT (Make- RMG)	ON WALL AND CEILING
19	▭	32 MM PVC CONDUIT (Make- RMG)	ON WALL AND CEILING
20	▭	METALLIC PERFORATED CABLE TRAY MADE OF HOT DIP GALVANISED SHEET	-
21	▭	DDC PANEL	1500MM FROM FFL

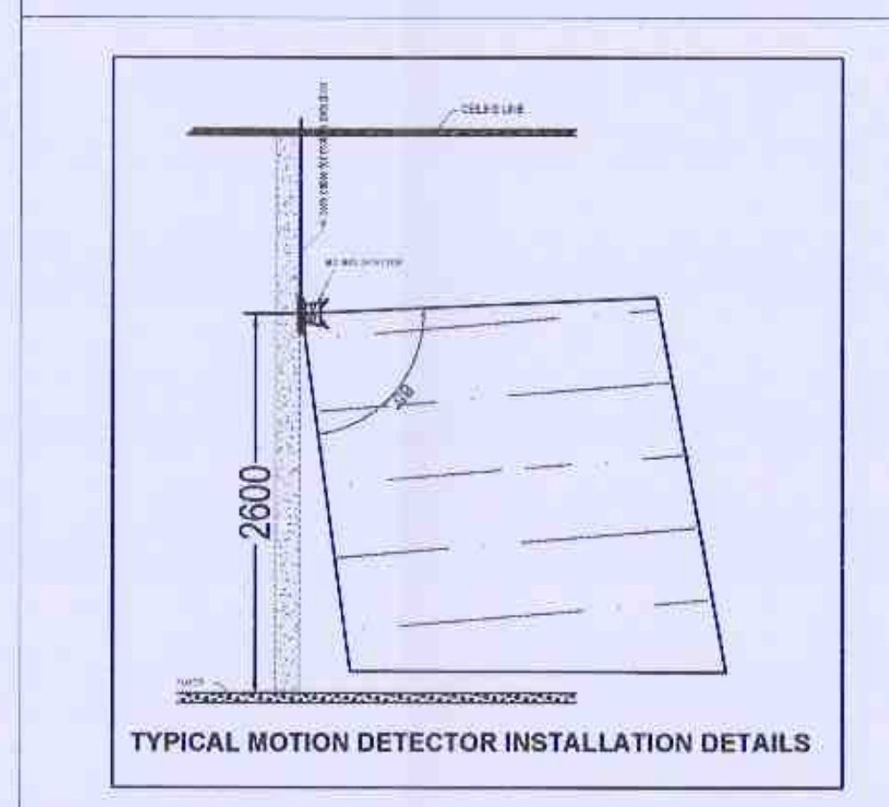
CCTV LEGENDS

S.NO	SYMBOL	DESCRIPTION	MOUNTING HEIGHT
1	◀	INDOOR/OUTDOOR FIXED CAMERA (Make-PELCO, Model No.- IMP231-1ERS)	WALL/FALSE CEILING MOUNTED
2	◀	INDOOR/OUTDOOR VARIFOCAL DOME CAMERA (Make-PELCO, Model No.- IMP231-1ERS)	WALL/FALSE CEILING MOUNTED
3	▬	OUTDOOR BULLET CAMERA (Make-PELCO, Model No.-IBP231-1ER)	WALL/FALSE CEILING MOUNTED
4	●	INDOOR/OUTDOOR 180 Deg PERIMETER CAMERA (Make-PELCO, Model No.-IMD2007-1ES)	WALL/FALSE CEILING MOUNTED
5	●	INDOOR/OUTDOOR 360 Deg REMOTE DOME CAMERA (Make-PELCO, Model No.-IMD2007-1ES)	WALL/FALSE CEILING MOUNTED
6	●	INDOOR/OUTDOOR 360 Deg CAMERA (Make-PELCO, Model No.-IMM12036-1ES)	WALL/FALSE CEILING MOUNTED
7	◀	INDOOR FIXED CAMERA(Face Recognition) (Make-PELCO, Model No.- IMP231-1ERS)	WALL/FALSE CEILING MOUNTED
8	—	PATCH CORD	WALL/FALSE CEILING INSTALLATION

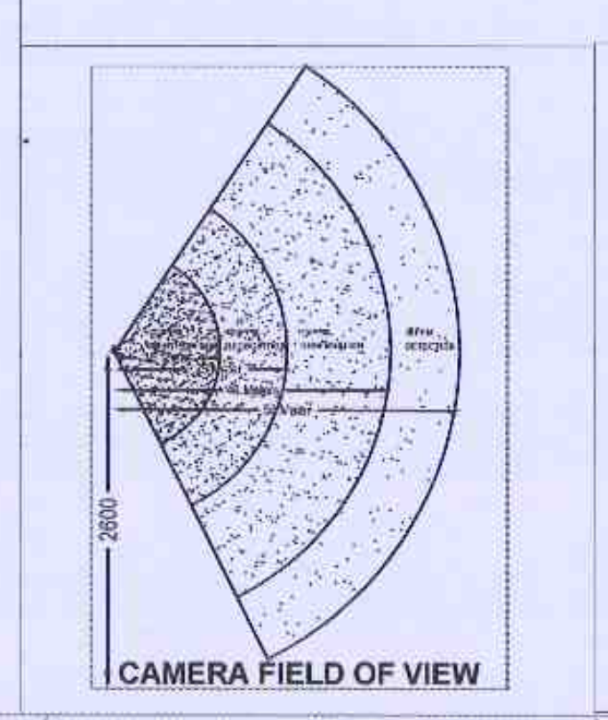
OTHER VENDOR SCOPE

S.NO	SYMBOL	DESCRIPTION
1	■	IP Ethernet Point
2	▥	UPS Power Supply Point (230V 6 AMP)

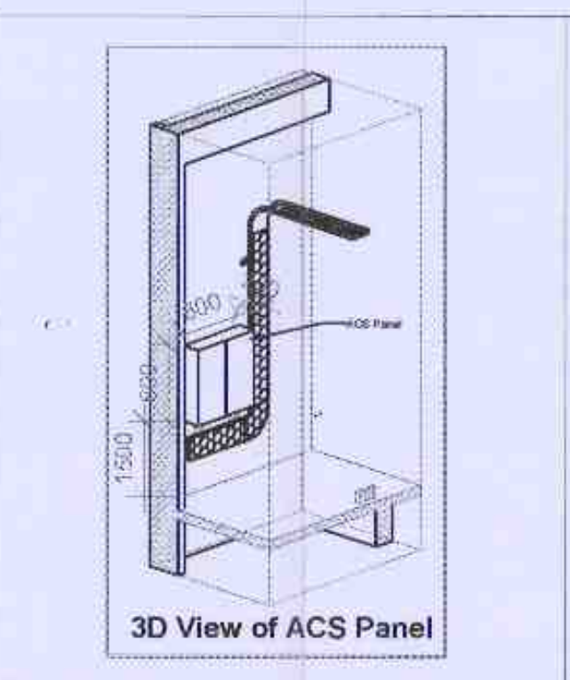

TYPICAL MOUNTING DETAILS FOR WALL CEILING SURFACE MOUNT

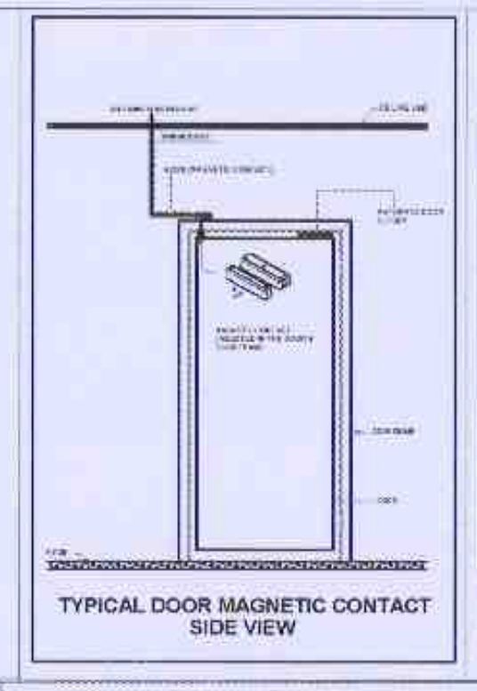


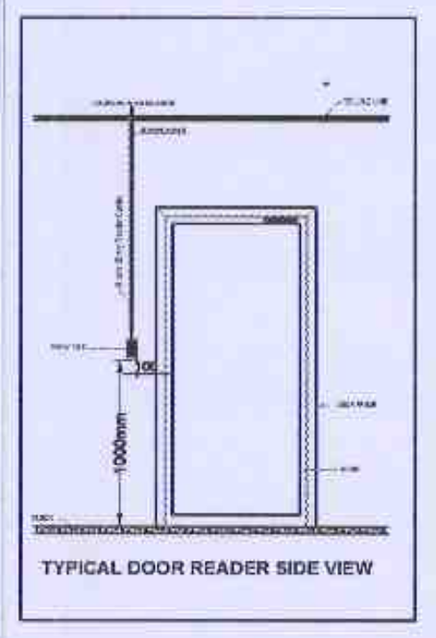
TYPICAL MOTION DETECTOR INSTALLATION DETAILS

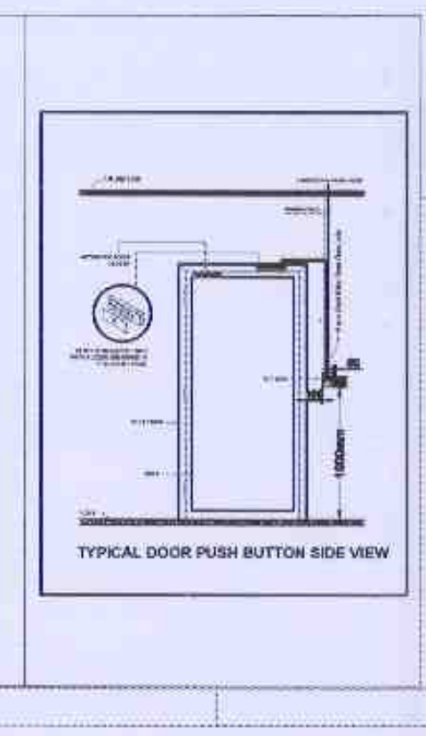


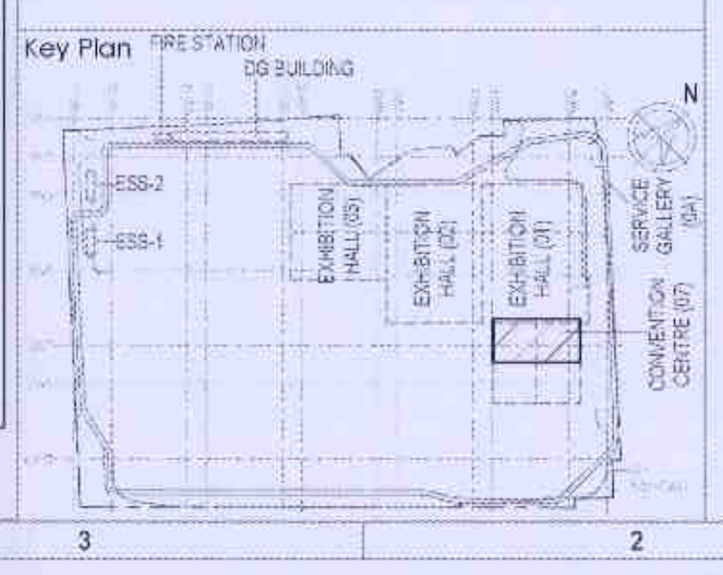
CAMERA FIELD OF VIEW


3D View of ACS Panel


TYPICAL DOOR MAGNETIC CONTACT SIDE VIEW


TYPICAL DOOR READER SIDE VIEW


TYPICAL DOOR PUSH BUTTON SIDE VIEW

Key Plan


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Employer's Engineer
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AECOM

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Certification

EPC Contractor

Design Consultant

LARSEN & TOUBRO LIMITED

Architectural Consultant

Proof Consultant
Structural MEP ICT

CKR Consulting Engineers Pvt. Ltd. Bangalore

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

Issued by: 13/02/2020
Employer / Employer's Engineer on behalf of PEAC

R0	ISSUED FOR GFC	03.03.20	BVH	SS	MSK	GNR
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 : O17203

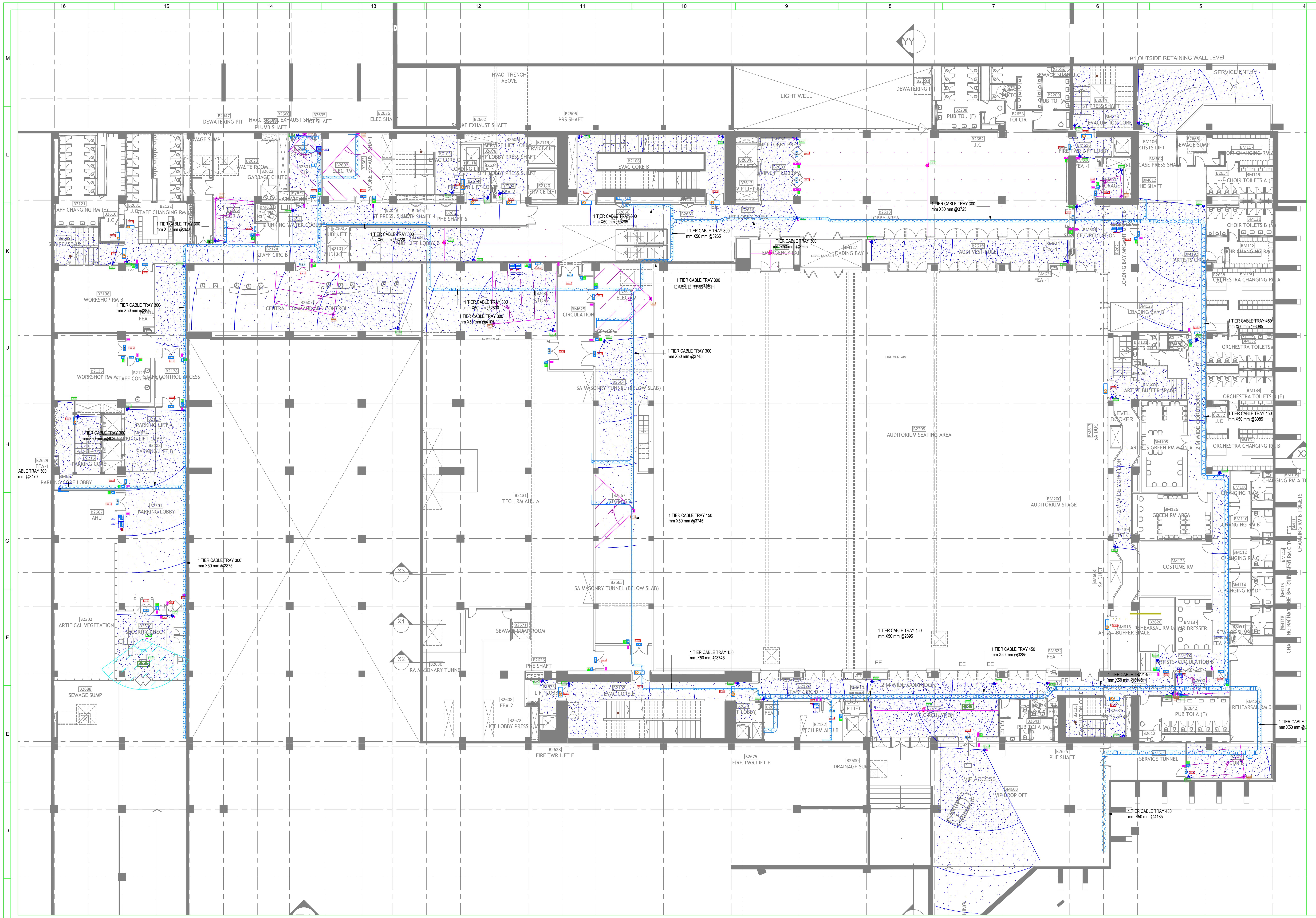
Project Name
DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTIONAL & EXPO CENTRE
SECTOR 25,DWARKA,NEW DELHI,INDIA

Drawing Status
GOOD FOR CONSTRUCTION
GOOD FOR CONSTRUCTION (GFC)

Drawing No: L | 07 | 1800
Rev. No: R0

Title :
CONVENTION CENTER-8F-OVER ALL ELV SYSTEM LAYOUT

EDRC DWG No : O17203-L-SP-07-LV-1800
Scale: AS INDICATED
Sheet Size: A0



1
1901
CC_Basement 02 ELV SYSTEM OVERALL LAYOUT
1 : 200

SR. NO.	NUMBER	ROOM	X m	Y m	SQM
1	B2100	AUDI LIFT A	2.5	2.05	5.13
2	B2101	AUDI LIFT B	2.5	2	5.00
3	B2102	COR B	10.05	4.15	41.71
4	B2105	EVAC CORE G	7.18	7.2	51.70
5	B2106	EVAC CORE B	17.42	6.42	111.84
6	B2107	EVAC CORE E	18.58	6.62	123.00
7	B2112	LOADING LIFT A	2.5	3.2	8.00
8	B2116	PARKING CORE	3	6.97	20.91
9	B2117	PARKING LIFT A	2.15	2.2	4.73
10	B2118	PARKING LIFT B	2.15	2.2	4.73
11	B2119	SERVICE LIFT A	3.5	3.4	11.90
12	B2120	SERVICE LIFT B	3.5	3.67	12.85
13	B2121	STAFF CHANGING RM (F)	-	-	91.52
14	B2122	STAFF CHANGING RM (M)	7.9	12.97	102.46
15	B2124	STAFF CIRC B	-	-	216.85
16	B2125	EVACUATION CORE F	7.05	7.17	50.55
17	B2126	STAFF CIRC D	-	-	34.10
18	B2128	STAFF CONTROL ACCESS	3.64	5.71	20.78
19	B2129	STAFF CONTROL RM	3.41	5.71	19.47
20	B2131	TECH RM AHU A	-	-	861.58
21	B2132	TECH RM AHU B	9.31	4.44	36.04
22	B2135	WORKSHOP RM A	8.42	7.87	66.27
23	B2136	WORKSHOP RM B	11.96	7.87	94.13
24	B2139	ARTIST CIRC	-	-	54.77
26	B2204	AUDI LIFT LOBBY B	45.54	4.25	294.90
27	B2205	AUDITORIUM SEATING AREA	53.7	47.25	2140.44
28	B2208	PUB TOI. (F)	-	-	43.29
29	B2209	PUB TOI (M)	-	-	45.71
30	B2301	PARKING LOBBY	-	-	148.12
31	B2302	ARTIFICAL VEGETATION	7.73	37.6	290.65
32	B2506	PRS SHAFT	0.95	6.42	6.10
33	B2600	SECURITY CHECK	8.25	8.74	72.11
34	B2601	STR	3.9	6.82	26.60
35	B2602	ELEC RM	6.92	8.21	56.81
36	B2603	VVIP LIFT LOBBY A	4.37	7.45	32.56
37	B2604	VVIP LIFT A	2.55	2.6	6.63
38	B2605	SERVICE LIFT LOBBY	3.3	8.18	26.99
39	B2606	COR A	4.82	5.43	26.17
40	B2607	CENTRAL COMMAND AND CONTROL	27.64	7.89	218.08
41	B2608	FEA-2	1.5	0.75	1.13
42	B2610	J.C	0.6	1.25	0.75
43	B2612	J.C	2.58	1.35	3.48
44	B2613	VVIP LIFT B	2.55	2.6	6.63
45	B2614	VIP CIRCULATION	-	-	128.47
46	B2615	FEA - 1	1.2	0.65	0.78
47	B2616	LIFT LOBBY PRESS	2.55	0.94	2.40
48	B2617	ELEC RM	6.69	8.19	54.79
49	B2618	LOBBY AREA	31.65	12.72	402.59
50	B2619	AUDI VESTIBULE	23.94	2.85	68.23
51	B2620	REHEARSAL RM 02	4.17	6.5	27.11
52	B2621	LOADING BAY MNGMNT OFFICE B	3.29	5.09	16.75
53	B2622	GARBAGE CHUTE	1.98	1.61	3.19
54	B2623	WASTE ROOM	-	-	51.02
55	B2624	LIFT LOBBY PRESS SHAFT	1.59	1.12	1.78
56	B2625	PHE SHAFT	0.47	1.3	0.61
57	B2626	PHE SHAFT	1.79	0.47	0.84
58	B2627	VIP LIFT	2.6	2.55	6.63
59	B2628	FIRE TWR LIFT E	2	1.8	3.60
60	B2629	FEA-1	0.6	1.2	0.72
61	B2630	RA MASONARY TUNNEL			95.38
62	B2631	PRESS SHAFT	0.62	4.76	2.95
63	B2632	J.C	1.81	0.55	1.00
64	B2634	FEA-2	0.62	2.08	1.29
65	B2635	ICT SHAFT	0.7	0.92	0.64
66	B2636	ELEC SHAFT	1.2	2.71	3.25
67	B2641	PUB TOI A (M)	6.28	4.95	31.09
68	B2642	PUB TOI A (F)	-	-	53.35
69	B2645	CHWP SHAFT 4	4.43	0.49	2.17
70	B2646	SEWAGE SUMP	4	2	8.00
71	B2647	DEWATERING PIT	2	2	4.00
72	B2648	PLUMB SHAFT	1.68	0.6	1.01
73	B2649	ST PRESS. SHAFT	1.2	2.73	3.28
74	B2650	DEWATERING PIT	2	2	4.00
75	B2651	SEWAGE SUMP/J.C	2.41	2.51	6.05
76	B2652	PH.TOI	3.13	1.82	5.70
77	B2653	TOI CIR	3.23	2.3	7.43
78	B2654	J.C	0.6	1.55	0.93
79	B2655	SEWAGE SUMP/J.C	1.98	1.2	2.38
80	B2656	ICT SHAFT	1.8	0.35	0.63
81	B2657	CHWP SHAFT	3	0.93	2.79
82	B2658	J.C	1.4	0.6	0.84
83	B2659	FEA 2	1.52	0.84	1.28
84	B2660	HVAC SMOKE EXHAUST SHAFT	1	6.62	6.62
85	B2661	PHE SHAFT 6	2.07	0.49	1.01
86	B2662	SMOKE EXHAUST SHAFT	4.29	0.95	4.08
87	B2663	SMOKE EXHAUST SHAFT	1.2	1.83	2.20
88	B2664	SA MASONRY TUNNEL	8.12	3.65	29.64
89	B2665	SA MASONRY TUNNEL	8.12	3.65	29.64
90	B2666	SEWAGE SUMP	3.33	3.56	11.85
91	B2667	STORAGE	6.69	36.47	243.98
92	B2668	LIFT LOBBY PRESS	2.57	0.64	1.64
93	B2671	SEWAGE SUMP ROOM	2.2	3.6	7.92
94	B2672	LIFT LOBBY PRESS SHAFT	0.8	3.88	3.10
95	B2673	LIFT LOBBY	2	4.02	8.04
96	B2674	LIFT LOBBY	2.27	4.57	10.37
97	B2675	FIRE TWR LIFT E	1.8	2	3.60
98	B2677	FEA- 1	0.88	1.22	1.07
99	B2678	LIFT LOBBY PRESS SHAFT	1.59	1.88	2.99
100	B2679	FIRE TWR LIFT LOBBY	3.09	3.48	10.75
101	B2680	DRAINAGE SUMP	2	2	4.00
102	B2681	J.C	0.6	1.25	0.75
103	B2682	J.C	2.14	0.6	1.28
104	B2683	EMERGENCY EXIT	5.18	3.52	18.23
105	B2684	ST PRESS SHAFT	2.8	2.8	7.84
106	B2685	ICT SHAFT	0.2	0.92	0.18
107	B2686	STORE	15.8	8.77	138.57
108	B2687	AHU	8.33	5.9	49.15
109	B2688	SEWAGE SUMP	2	2	4.00
110	B2689	STAIRCASE-12	-	-	30.62
111	B2690	STR A	6.35	2.7	17.15
112	B2691	DRINKING WATER COOLERS	1.03	0.87	0.90
113	BM100	PH TOI	2	2.35	4.70
114	BM101	ARTISTS TOI	3.81	3.15	12.00
115	BM102	ARTISTS CIRC A	-	-	137.98
116	BM104	ARTISTS CIRCULATION B	-	-	104.97
117	BM105	ARTISTS GREEN RM MAIN A	5.56	10.85	60.33
118	BM106	ARTISTS LIFT	2.15	2.28	4.90
119	BM108	CHANGING RM A	2.41	3.87	9.33
120	BM109	CHANGING RM A TOILETS	2.56	3.41	8.73
121	BM110	CHANGING RM B	2.41	3.91	9.42
122	BM111	CHANGING RM B TOILETS	2.56	4.4	11.26
123	BM112	CHANGING RM C	2.41	3.69	8.89
124	BM113	CHANGING RM C TOILETS	2.56	3.4	8.70
125	BM114	CHANGING RM D	2.41	5.96	14.36
126	BM115	CHANGING RM D1 TOILETS	2.55	4.35	11.09
127	BM116	CHANGING RM D2 TOILETS	2.56	3.35	8.58
128	BM117	CHOIR CHANGING RM A	-	-	29.42
129	BM118	CHOIR CHANGING RM B	-	-	27.15
130	BM119	CHOIR TOILETS A (F)	7.85	3.97	31.16
131	BM121	CHOIR TOILETS B (M)	7.85	3.97	31.16
132	BM123	COSTUME RM	8.31	6.39	53.10
133	BM124	EVACUATION CORE C	7.15	7.65	54.70
134	BM126	GREEN RM AREA	9.29	5.58	51.84
135	BM127	LOADING BAY A	7.7	3.49	26.87
136	BM128	LOADING BAY B	8.55	3.5	29.93
137	BM130	ORCHESTRA CHANGING RM A	7.85	7.53	59.11
138	BM131	ORCHESTRA CHANGING RM B	7.82	7.56	59.12
139	BM132	ORCHESTRA TOILETS A	7.85	4.07	31.95
140	BM134	ORCHESTRA TOILETS B (F)	-	-	29.33
141	BM136	REHEARSAL RM 01	5.07	11.49	58.25
142	BM137	HAIR DRESSER	4.22	6.5	27.43
143	BM200	AUDITORIUM STAGE	9.13	42.2	385.29
144	BM600	STORAGE	3.24	3.59	11.63
145	BM601	SERVICE CIRCULATION	-	-	43.40
146	BM602	ARTISTS / STAFF CIRCULATION	4.17	2.85	11.88
147	BM603	VIP DROP OFF	20.63	14.79	305.12
148	BM606	FEA -1	0.75	1.12	0.84
149	BM607	STAIRCASE PRESS SHAFT	2.95	1.05	3.10
150	BM608	SA DUCT	1.2	2.5	3.00
151	BM609	FEA -1	0.6	1.2	0.72
152	BM610	FEA -1	1.22	0.76	0.93
153	BM611	FEA -1	0.6	1.2	0.72
154	BM612	PHE SHAFT	0.75	3.52	2.64
155	BM613	SA DUCT	1.2	2.47	2.96
156	BM614	FEA - 1	1.2	0.55	0.66
157	BM615	SERVICE TUNNEL	8.82	4.35	38.37
158	BM616	FIRE TWR LIFT LOBBY	4.95	2.28	11.29
159	BM617	ARTIST BUFFER SPACE	7.23	3.93	28.41
160	BM618	ARTIST BUFFER SPACE	-	-	28.04
161	BM619	PH.TOI	2.65	2.08	5.51
162	BM620	VIP LIFT LOBBY	3.11	4.09	12.72
163	BM621	FEA -1	1.2	0.67	0.80
164	BM622	FEA - 1	0.97	0.69	0.67
165	BM623	FEA - 1	0.65	1.2	0.78
166	BM624	PARKING LIFT LOBBY	3.5	7.55	26.43
167	BM625	CIRCULATION	-	-	50.22
168	BM626	PUB TOI A (PH)	1.97	2.12	4.18
169	BM627	PARKING CORE LOBBY	-	-	32.77
	TOTAL				9175.97

REFERENCE DRAWING

ARCHITECTURE
FLOOR PLANS APPROVED VIA TRANSMITTAL NO EDRC-B&F/O17203/01346
STRUCTURE
O17203-C-SP-07-NU-0002 - NUMERATION DETAIL OF B2 LEVEL
O17203-C-SP-07-NU-1002 - NUMERATION DETAIL OF B2 LEVEL -ZONE 1
O17203-C-SP-07-NU-2002 -NUMERATION DETAIL OF B2 LEVEL -ZONE 2
ELECTRICAL
O17203-E-SP-07-1L-0341 TO 03430-CONVENTION CENTER MSLD - 1/3 TO 3/3
O17203-E-SP-07-SC-0344-CONVENTION CENTER EARTHING SCHEMATIC
O17203-E-SP-07-EE-0208-CONVENTION CENTER -B2- ELECTRICAL EQUIPMENT, CABLE TRAY & EARTHING LAYOUT - OVERALL PLAN
O17203-E-SP-07-EE-0209 TO 0217-CONVENTION CENTER -B2- ELECTRICAL EQUIPMENT, CABLE TRAY & EARTHING LAYOUT 1/9 TO 9/9
O17203-E-SP-07-DC-0380-CONVENTION CENTER - CABLE SCHEDULE
O17203-E-SP-07-DC-0381-CONVENTION CENTER -BASEMENT -2 CABLE TRAY SCHEDULE
ELV
O17203-L-SP-07-LV-1901-CONVENTION CENTER -B2- OVER ALL ELV SYSTEM LAYOUT
FPS
O17203-F-SP-07-PL-1003 TO 6003-CONVENTION CENTRE - BASEMENT 2 - ZONE 1 TO ZONE 6: LAYOUT OF WETRISER CUM DOWNCOMER, AUTOMATIC SPRINKLER SYSTEM, PORTABLE FIRST-AID FIRE EXTINGUISHERS AND PHOTOLUMINESCENT SAFETY SIGNAGES
PHE
O17203-U-SP-07-IP-0106 TO 0108-PLUMBING SYSTEM LAYOUT - BASEMENT 2- WATER SUPPLY LAYOUT (SHEET 1 OF 3) TO (SHEET 3 OF 3)
O17203-U-SP-07-IP-0144 TO 0145-BASEMENT 2 DRAINAGE DETAILS (SHEET 1 OF 2) TO (SHEET 2 OF 2)
HVAC
O17203-V-SP-07-AC-0021-CONVENTION CENTRE BASEMENT B2 OVERALL PLAN - HVAC EQUIPMENT DUCTING AND PIPING LAYOUT
O17203-V-SP-07-AC-1001 TO 9001-CONVENTION CENTRE BASEMENT B2 - HVAC EQUIPMENT DUCTING AND PIPING LAYOUT - ZONE 1 TO 9
FOR SECURITY CHECK EQUIPMENT
REFER DRAWING NO - O17203-L-SP-07-LV-6400

ACS LEGENDS

SYMBOL	ITEM DESCRIPTION	MOUNTING HEIGHT
ACCESS IP CONTROLLER RBH-UNC500-432M	ACCESS, DUAL READER CONTROLLER (Make-RBH, Model No.- RBH-UNC500-432M)	INSIDE ENCLOSURE
Dual Reader Interface Module RBH-NURC-2002	DUAL INTERFACE MODULE FOR READERS (Make-RBH, NURC 2002)	INSIDE ENCLOSURE
Input Module RBH-IOC-16	INPUT & OUTPUT CONTROL MODULE (Make-RBH, Model No.- RBH-IOC-16)	INSIDE ENCLOSURE
▯	SMART CARD READER (Make-RBH, Model No.- RBH-R86)	1000MM FROM FFL
▯	SMART CARD READER WITH KEYPAD (Make-RBH, Model No.- RBH-RK86)	1000MM FROM FFL
▯	BIO-METRIC CARD READER (Make-RBH, Model No.- RBH-BFR-150)	1000MM FROM FFL
▯	IRIS READER (Make-IRIS ID, Model No.- iCAM7000S-B)	1000MM FROM FFL
MC	MAGNETIC CONTACT (Make-CQR, Model No.- SC570/WH/G3/EN)	ON DOOR
MC	MAGNETIC CONTACT-ROLLING SHUTTER (Make-CQR, Model No.- RS007/G3/AB)	ON DOOR
EML-S	EM LOCK-SINGLE LEAF WITH DPS (Make-REMCON, Model No.- REM-600-LBS-SL-M)	ON DOOR
EML-D	EM LOCK- DOUBLE LEAF WITH DPS (Make-REMCON, Model No.- REM-600-LBS-DL-M)	ON DOOR
EMERGENCY EXIT	EMERGENCY BREAK GLASS UNIT (Make-BEL, Model No.-E-108E)	1000MM FROM FFL
PB	EXIT PUSH BUTTON (Make- BEL, Model No.-DEB-33SS)	1000MM FROM FFL
▯	MOTION DETECTOR (Make- TEXECOM, Model No.-AFB0052)	2600MM FROM FFL
—	8 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
—	4 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
—	2 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
▭	25 MM PVC CONDUIT (Make- RMG)	ON WALL AND CEILING
▭	32 MM PVC CONDUIT (Make- RMG)	ON WALL AND CEILING

CCTV LEGENDS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	INDOOR/OUTDOOR FIXED CAMERA (Make-PELCO, Model No.- IMP231-1ERS)	WALL/FALSE CEILING MOUNTED
	INDOOR/OUTDOOR 360 Deg CAMERA (Make-PELCO, Model No.-IMM12036-1ES)	WALL/FALSE CEILING MOUNTED
•	INDOOR FIXED CAMERA(Face Recognition) (Make-PELCO, Model No.- IMP231-1ERS)	WALL/FALSE CEILING MOUNTED
—	PATCH CORD	WALL/FALSE CEILING INSTALLATION

PCS LEGENDS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
●●	3D SENSOR FOR PEOPLE COUNTING	1000MM FROM FFL
—	PATCH CORD	WALL/FALSE CEILING INSTALLATION

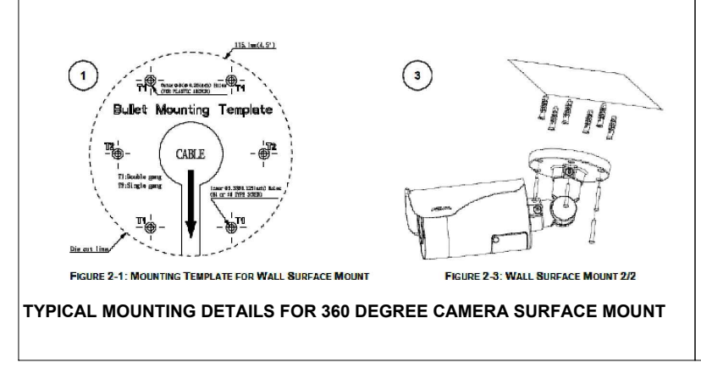
OTHER VENDOR SCOPE

SYMBOL	DESCRIPTION
▯	IP Ethernet Point
▯	UPS Power Supply Point (230V 6 AMP)

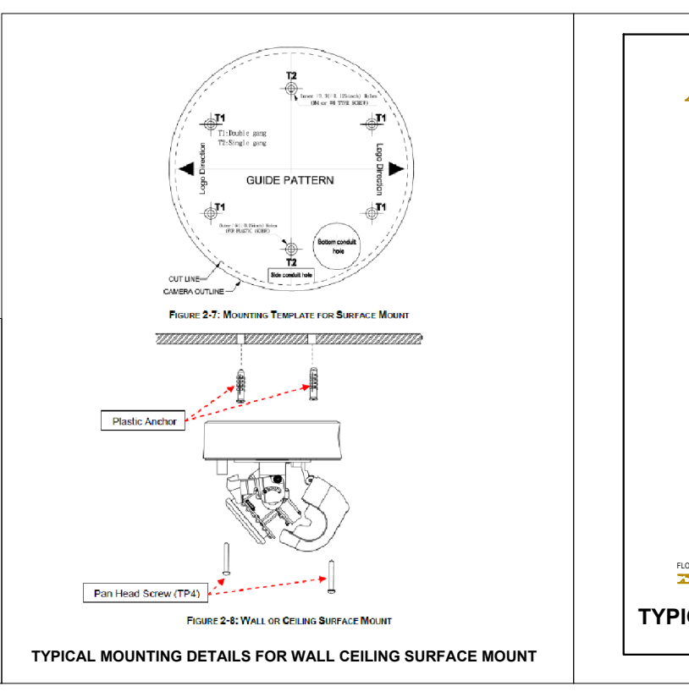
GENERAL NOTE
1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED.
2. EXACT ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH ENGINEERING IN CHARGE TO SUIT SITE CONDITIONS.
3. MS CONDUIT USED FOR OPEN APPLICATION.
4. THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
5. 50% SPARE IS MAINTAINED IN CONDUIT.

CCTV & ACS SYSTEM
1. IP POINT HAS TO BE MADE AVAILABLE NEAR EACH CAMERA. REFER DATA VOICE LAYOUT-O17203-L-SP-07-DV-2901.
2. THE CCTV CAMERA VIEW ANGLE TO BE SET AS PER THE COVERAGE LOCATION.
3. ALL SCHEMATICS DRAWING SHALL BE SUBMITTED SEPARATELY.
4. IP POINT HAS TO BE MADE AVAILABLE NEAR EACH ACS CONTROLLER. REFER DATA VOICE LAYOUT-O17203-L-SP-07-DV-2901.

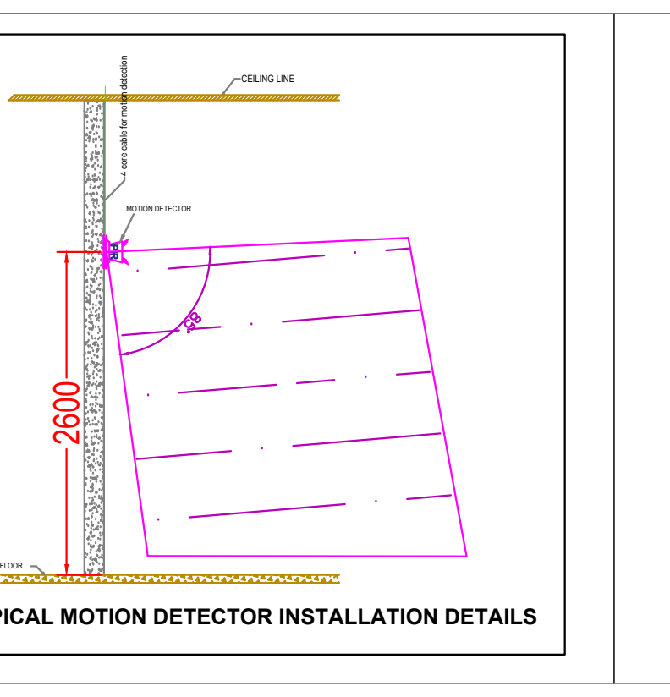
IP TALK BACK SYSTEM
1. CAT6A, 4 PAIR TWISTED PAIR U/UTP CABLES SHALL BE USED TO CONNECT WITH NEAREST AVAILABLE IP POINT.



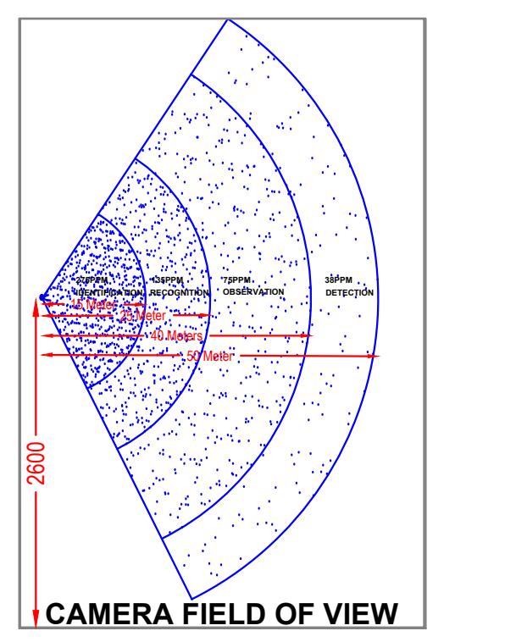
TYPICAL MOUNTING DETAILS FOR 360 DEGREE CAMERA SURFACE MOUNT



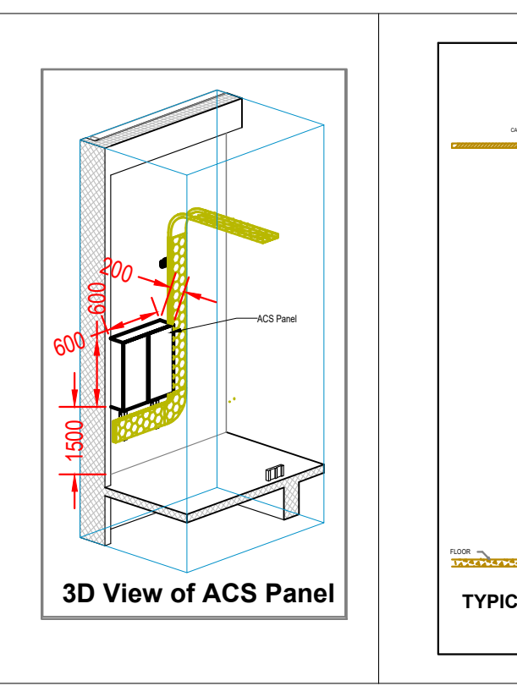
TYPICAL MOUNTING DETAILS FOR WALL CEILING SURFACE MOUNT

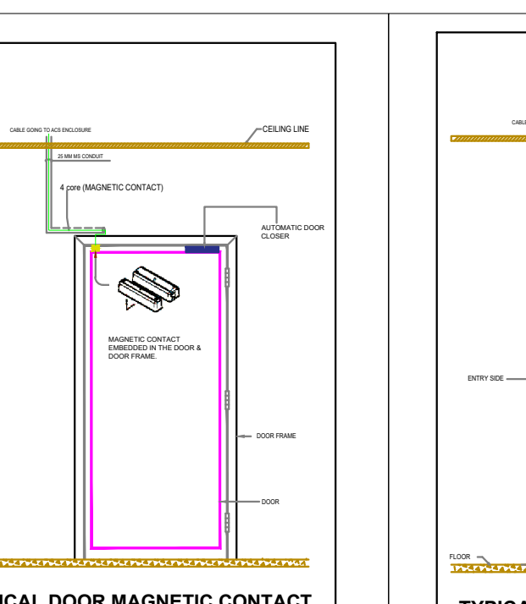


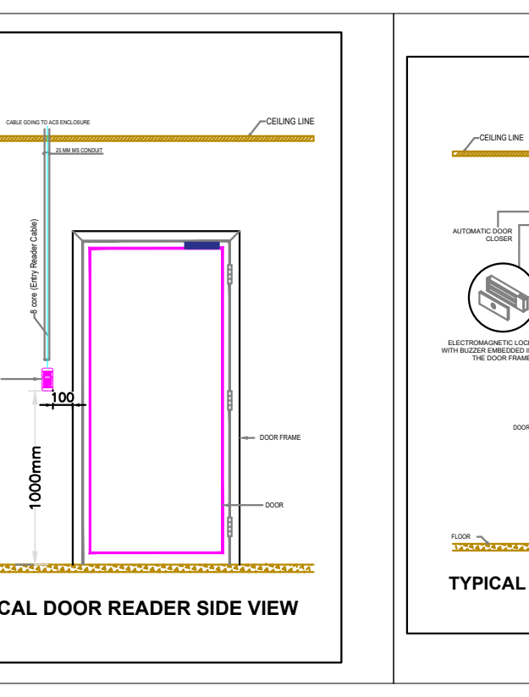
TYPICAL MOTION DETECTOR INSTALLATION DETAILS

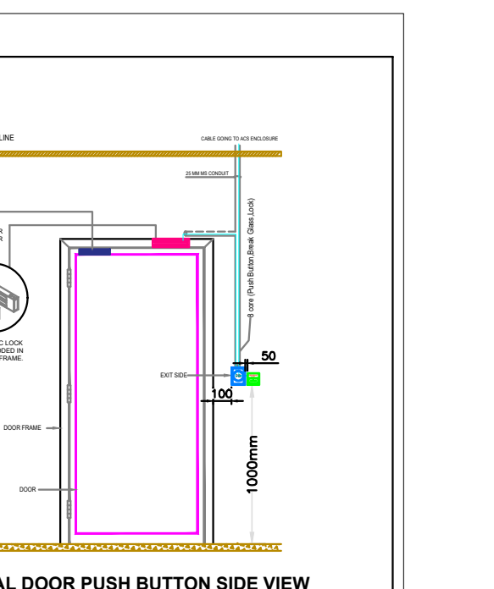


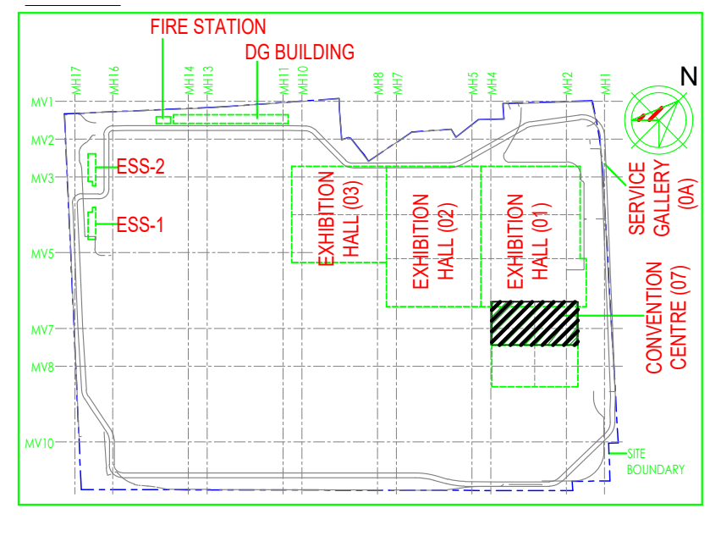
CAMERA FIELD OF VIEW


3D View of ACS Panel


TYPICAL DOOR MAGNETIC CONTACT SIDE VIEW


TYPICAL DOOR READER SIDE VIEW


TYPICAL DOOR PUSH BUTTON SIDE VIEW

KEY PLAN


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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: Zenatix Solutions, Gurugram,
Haryana 122001

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

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PEAC
Issued by:
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REV	DESCRIPTION	DATE	DSGN	DRWN	CHKD	APPD
R0	ISSUED AS GOOD FOR CONSTRUCTION	04.01.20	BVH	SS	MSK	GNR

Revisions

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

EPC Contractor
L&T Construction
Buildings & Factories
JOB No : O17203

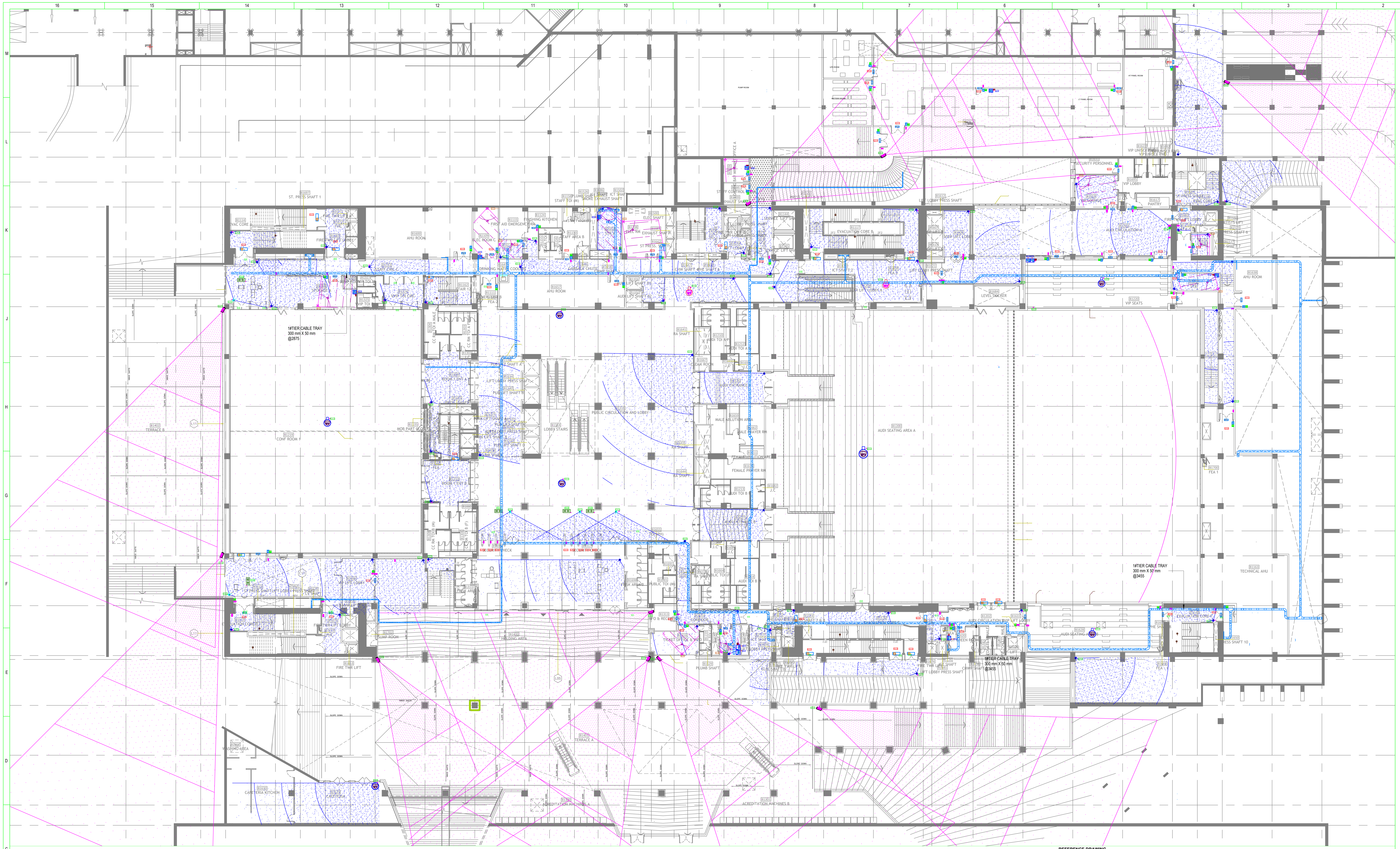
Project Name
DESIGN AND CONSTRUCTION OF INDIA INTERNATIONAL CONVENTIONAL & EXPO CENTRE
SECTOR 25,DWARKA,NEW DELHI,INDIA

Drawing Status
GOOD FOR CONSTRUCTION (GFC)

Drawing No			Rev. No
L	07	1901	R0

Title :
CONVENTION CENTRE-BASEMENT 2-OVER ALL ELV SYSTEM LAYOUT

EDRC DWG No :	Scale	Sheet Size
O17203-L-SP-07-LV-1901	As Indicated	A0



A
1902
CC_Basement 01_ OVER ALL ELV SYSTEM LAYOUT
1 : 250

ACS LEGENDS

S.NO	SYMBOL	ITEM DESCRIPTION	MOUNTING HEIGHT
1	ACCESS IP CONTROLLER RBH-UNC500-432M	ACCESS, DUAL READER CONTROLLER (Make-RBH, Model No.- RBH-UNC500-432M)	INSIDE ENCLOSURE
2	Dual Reader Interface Module RBH-NURC-2002	DUAL INTERFACE MODULE FOR READERS (Make-RBH, NURC 2002)	INSIDE ENCLOSURE
3	Input Module RBH-IOC-16	INPUT & OUTPUT CONTROL MODULE (Make-RBH, Model No.- RBH-IOC-16)	INSIDE ENCLOSURE
4	▯	SMART CARD READER (Make-RBH, Model No.- RBH-R86)	1000MM FROM FFL
5	▯	SMART CARD READER WITH KEYPAD (Make-RBH, Model No.- RBH-RK86)	1000MM FROM FFL
6	▯	BIO-METRIC CARD READER (Make-RBH, Model No.- RBH-BFR-150)	1000MM FROM FFL
7	▯	IRIS READER (Make-IRIS ID, Model No.- iCAM7000S-B)	1000MM FROM FFL
8	MC	MAGNETIC CONTACT (Make-CQR, Model No.- SC570/WH/G3/EN)	ON DOOR
9	MC	MAGNETIC CONTACT-ROLLING SHUTTER (Make-CQR, Model No.- RS007/G3/AB)	ON DOOR
10	EML-S	EM LOCK-SINGLE LEAF WITH DPS (Make-REMCON, Model No.- REM-600-LBS-SL-M)	ON DOOR
11	EML-D	EM LOCK- DOUBLE LEAF WITH DPS (Make-REMCON, Model No.- REM-600-LBS-DL-M)	ON DOOR
12	EMERGENCY EXIT	EMERGENCY BREAK GLASS UNIT (Make-BEL, Model No.-E-108E)	1000MM FROM FFL
13	PB	EXIT PUSH BUTTON (Make- BEL, Model No.-DEB-33SS)	1000MM FROM FFL
14	PIR	MOTION DETECTOR (Make- TEXECOM, Model No.-AFB0052)	2600MM FROM FFL
15	—	8 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
16	—	4 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
17	—	2 CORE CABLE (Make- SKYTONE)	INSIDE CONDUIT
18	▭	25 MM PVC CONDUIT (Make- RMG)	ON WALL AND CEILING
19	▭	32 MM PVC CONDUIT (Make- RMG)	ON WALL AND CEILING

CCTV LEGENDS

S.NO	SYMBOL	DESCRIPTION	MOUNTING HEIGHT
1		INDOOR/OUTDOOR FIXED CAMERA (Make-PELCO, Model No.- IMP231-1ERS)	WALL/FALSE CEILING MOUNTED
2		INDOOR/OUTDOOR VARIFOCAL DOME CAMERA (Make-PELCO, Model No.- IMP231-1ERS)	WALL/FALSE CEILING MOUNTED
3		OUTDOOR BULLET CAMERA (Make-PELCO, Model No.-IBP231-1ER)	WALL/FALSE CEILING MOUNTED
4		INDOOR/OUTDOOR 180 Deg PERIMETER CAMERA (Make-PELCO, Model No.-IMD2007-1ES)	WALL/FALSE CEILING MOUNTED
5		INDOOR/OUTDOOR 360 Deg REMOTE DOME CAMERA (Make-PELCO, Model No.-IMD2007-1ES)	WALL/FALSE CEILING MOUNTED
6		INDOOR/OUTDOOR 360 Deg CAMERA (Make-PELCO, Model No.-IMM12036-1ES)	WALL/FALSE CEILING MOUNTED
7		INDOOR FIXED CAMERA(Face Recognition) (Make-PELCO, Model No.- IMP231-1ERS)	WALL/FALSE CEILING MOUNTED
8	—	PATCH CORD	WALL/FALSE CEILING INSTALLATION

PCS LEGENDS

S.NO	SYMBOL	DESCRIPTION	MOUNTING HEIGHT
1	●●	3D SENSOR FOR PEOPLE COUNTING	1000MM FROM FFL
2	—	PATCH CORD	WALL/FALSE CEILING INSTALLATION

OTHER VENDOR SCOPE

S.NO	SYMBOL	DESCRIPTION
1	▣	IP Ethernet Point
2	▣▣	UPS Power Supply Point (230V 6 AMP)

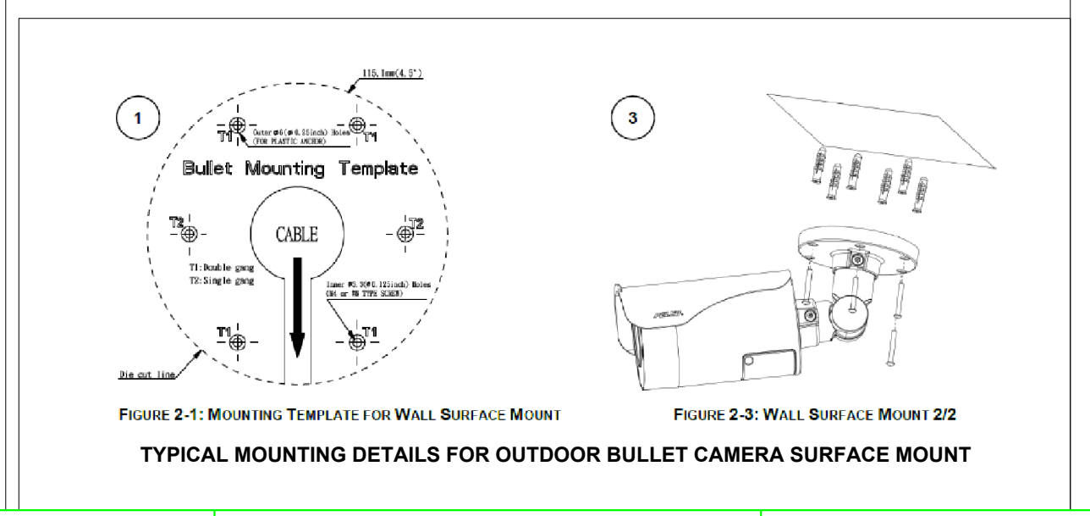


FIGURE 2-1: MOUNTING TEMPLATE FOR WALL SURFACE MOUNT
FIGURE 2-3: WALL SURFACE MOUNT 2/2

TYPICAL MOUNTING DETAILS FOR OUTDOOR BULLET CAMERA SURFACE MOUNT

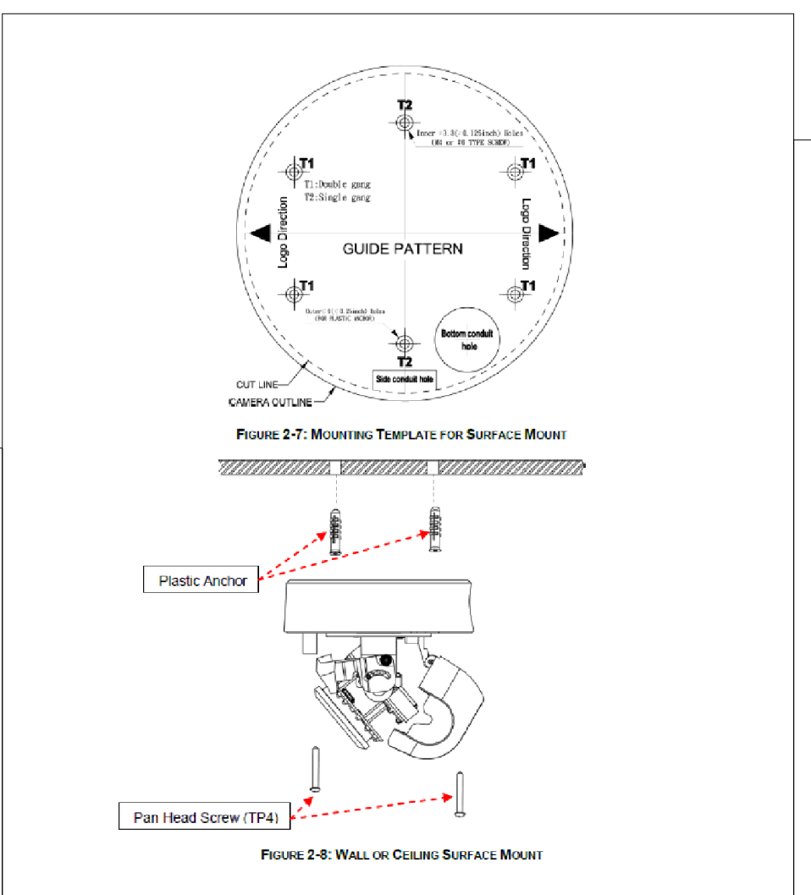


FIGURE 2-7: MOUNTING TEMPLATE FOR SURFACE MOUNT
FIGURE 2-8: WALL OR CEILING SURFACE MOUNT

TYPICAL MOUNTING DETAILS FOR WALL CEILING SURFACE MOUNT

GENERAL NOTE

1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED.
2. EXACT ROUTING SHALL BE DECIDED AT SITE IN CONSULTATION WITH ENGINEERING IN CHARGE TO SUIT SITE CONDITIONS.
3. MS CONDUIT USED FOR OPEN APPLICATION.
4. THIS DRAWING IS ONLY INDICATIVE AND MAY VARY ACCORDING TO SITE CONDITION AND REQUIREMENT.
5. 50% SPARE IS MAINTAINED IN CONDUIT.

CCTV & ACS SYSTEM

1. IP POINT HAS TO BE MADE AVAILABLE NEAR EACH CAMERA. REFER DATA VOICE LAYOUT-O17203-L-SP-07-DV-2902.
2. THE CCTV CAMERA VIEW ANGLE TO BE SET AS PER THE COVERAGE LOCATION.
3. ALL SCHEMATICS DRAWING SHALL BE SUBMITTED SEPARATELY.
4. IP POINT HAS TO BE MADE AVAILABLE NEAR EACH ACS CONTROLLER REFER DATA VOICE LAYOUT-O17203-L-SP-07-DV-2902.

IP TALK BACK SYSTEM

1. CAT6A, 4 PAIR TWISTED PAIR U/UTP CABLES SHALL BE USED TO CONNECT WITH NEAREST AVAILABLE IP POINT.

REFERENCE DRAWING

ARCHITECTURE

FLOOR PLANS APPROVED VIA TRANSMITTAL NO EDRC-B&F/O17203/01346

STRUCTURE

O17203-C-SP-07-NU-0003 - LAYOUT AND NUMERATION DETAIL OF LEVEL - B1 (-4.730M)
O17203-C-SP-07-NU-0004 - LAYOUT AND NUMERATION DETAIL OF LEVEL - F0 (-0.080M)

ELECTRICAL

O17203-E-SP-07-LL-0010 TO 0014 - CONVENTION CENTER - B1 - LIGHTING LAYOUTS
O17203-E-SP-07-PL-0016 TO 0018 - CONVENTION CENTER - B1 - POWER LAYOUTS
O17203-E-SP-07-EE-0218-CONVENTION CENTER -B1- ELECTRICAL EQUIPMENT, CABLE TRAY & EARTHING LAYOUT - OVERALL PLAN

FPS

O17203-F-SP-07-PL-0004 - CONVENTION CENTRE - BASEMENT 1 - OVER ALL PLAN: LAYOUT OF WETRISER CUM DOWNCOMER, AUTOMATIC SPRINKLER SYSTEM AND PORTABLE FIRST-AID FIRE EXTINGUISHERS
017203-F-SP-07-FA-0005 - CONVENTION CENTRE - BASEMENT 1 - OVER ALL PLAN: LAYOUT OF INTEGRATED INTELLIGENT ADDRESSABLE FIRE DETECTION & ALARM SYSTEM AND PHOTOLUMINESCENT SAFETY SIGNAGES

HVAC

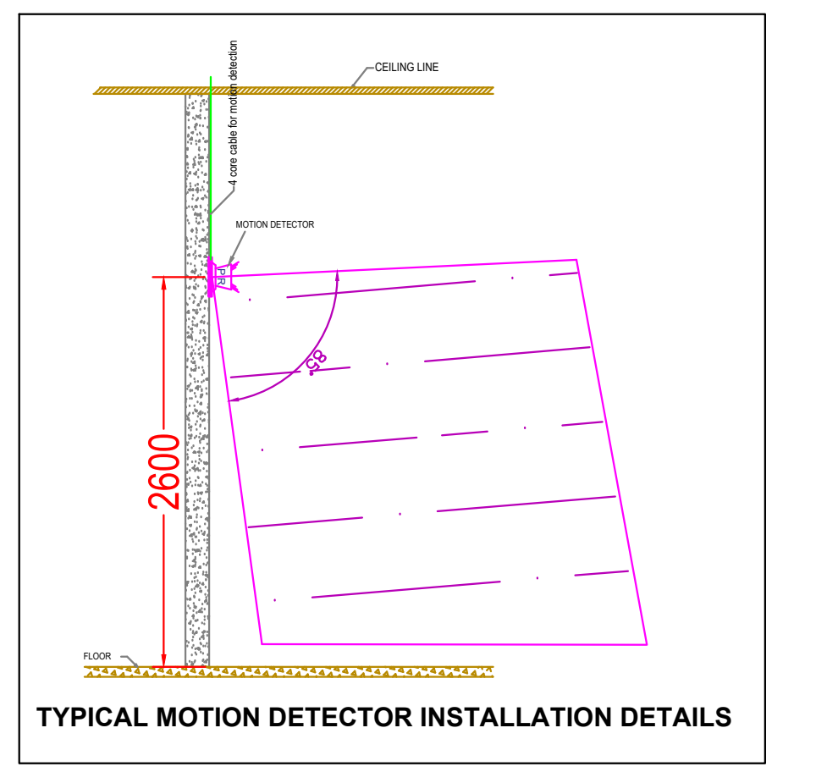
O17203-V-SP-07-AC-1002,2002,3002,4002,5002 & 6002 - CONVENTION CENTRE BASEMENT B1 - HVAC EQUIPMENT DUCTING AND PIPING LAYOUT

PHE

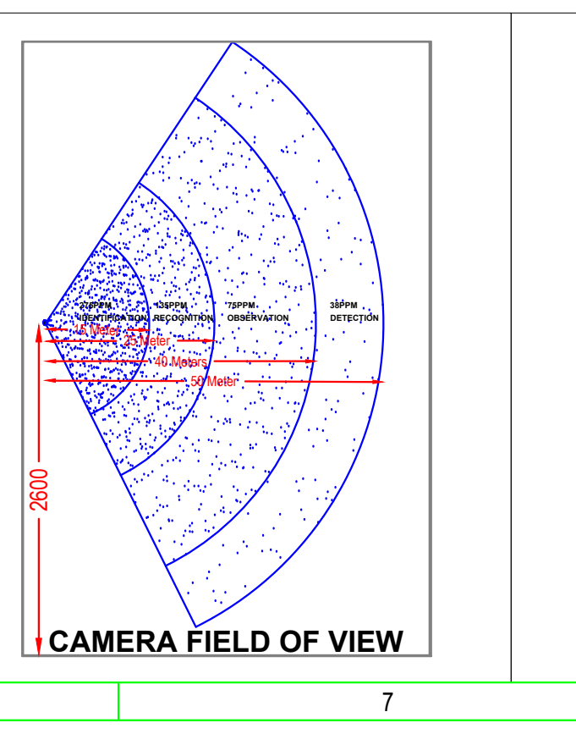
017203-U-SP-07-IP-0006 TO 0010 - PLUMBING SYSTEM LAYOUT - BASEMENT 1 - TOILET WATER SUPPLY LAYOUT

FOR SECURITY CHECK EQUIPMENT/TURNSTILES

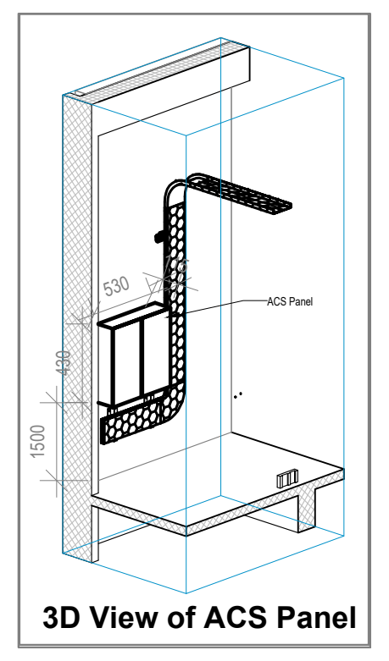
REFER DRAWING NO - O17203-L-SP-07-LV-6300



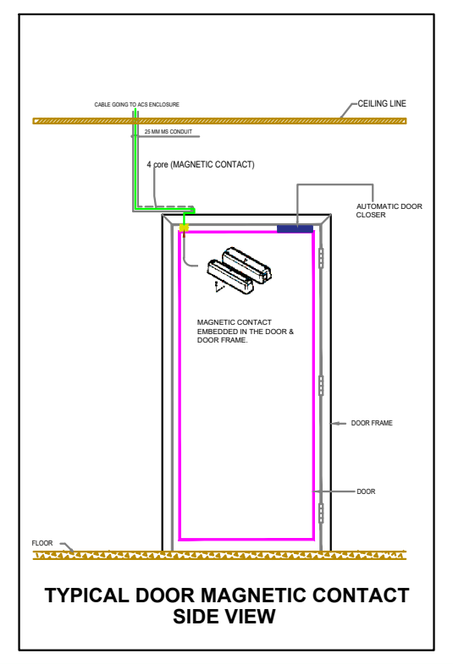
TYPICAL MOTION DETECTOR INSTALLATION DETAILS

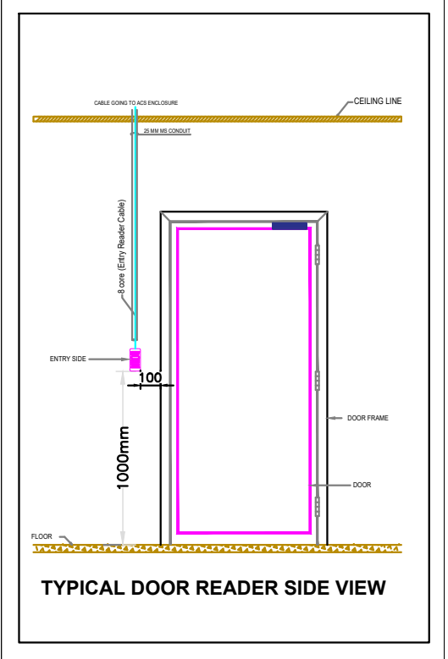


CAMERA FIELD OF VIEW

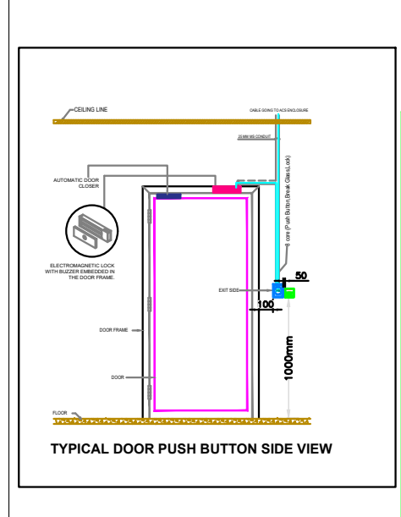


3D View of ACS Panel


CABLE GOING TO ACS ENCLOSURE
CEILING LINE
25 MM MS CONDUIT
4 core (MAGNETIC CONTACT)
AUTOMATIC DOOR CLOSER
MAGNETIC CONTACT EMBEDDED IN THE DOOR & DOOR FRAME
DOOR FRAME
DOOR
FLOOR
TYPICAL DOOR MAGNETIC CONTACT SIDE VIEW

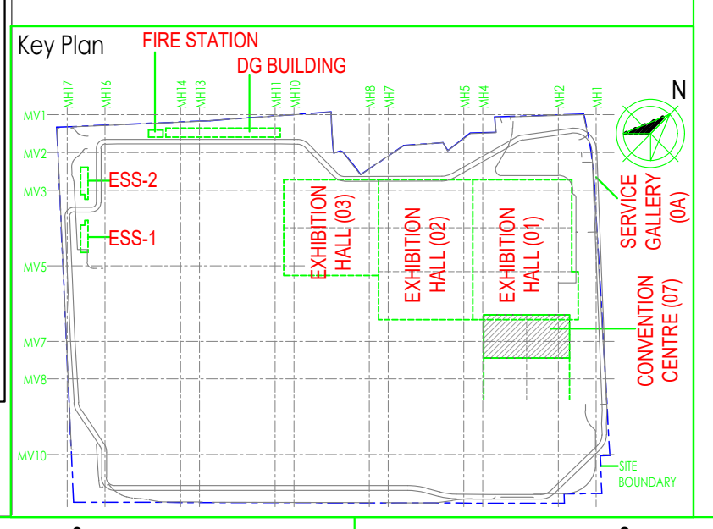


TYPICAL DOOR READER SIDE VIEW



TYPICAL DOOR PUSH BUTTON SIDE VIEW

Key Plan



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Opp: Zenatix Solutions, Gurugram,
Haryana 122001

ICT Proof Consultant
CKR Consulting Engineers Pvt. Ltd.
#47/1, 3rd Floor, Narayana Arcade,
Subbaramachetty Road, Netkalappa 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	31.01.20	BVH	SS	MSK	GNR

Revisions

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

EPC Contractor
L&T Construction
Buildings & Factories

JOB No : O17203

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

Drawing Status
GOOD FOR CONSTRUCTION (GFC)

Drawing No: L 07 1902
Rev. No: R0

Title :
CONVENTION CENTRE-BASEMENT 1-OVER ALL ELV SYSTEM LAYOUT

EDRC DWG No : O17203-L-SP-07-LV-1902
Scale: AS INDICATED
Sheet Size: A0

O17203 - 1902_1 (CONVENTION CENTRE-BASEMENT 1-OVER ALL ELV SYSTEM LAYOUT)