

#### DUCT WORK:

• THE AIR CONDITIONING DUCTING SHALL BE MANUFACTURED WITH MINIMUM 24 GA- GALVANIZED SHEET METAL OR ALTERNATE PRE-INSULATED PHENOLIC • G. I DUCT SHALL BE HOT DIPPED GALVANIZED STEEL SHEET LOCK FORMING QUALITY, HOT –DIP GALVANIZED STEEL WITH G90 (Z 275 G/ M<sup>2</sup>)

COATING DUCT CONSTRUCTION AND INSTALLATION SHALL BE AS PER SMACNA OR DW144 STANDARDS. • THE PRE-INSULATED DUCT WORK SHALL BE PHENOLIC FOAM TYPE WITH DENSITY OF 65 KG/M3 .THERMAL CONDUCTIVITY SHALL NOT BE MORE THAN 0.024 W/(M.K @10 DEG C)

#### DUCT INSULATION:

• 25 MM THICK (48 KG/M<sup>3</sup> IN THE PLANT ROOM) 24 KG/ M<sup>3</sup> DENSITY, GLASS FIBRE BLANKET INSULATION WITH FACTORY APPLIED VAPOUR BARRIER REINFORCED ALUMINIUM FACING.

OR CROSS LINKED CLOSED CELL POLYOLEFIN FOAM (DENSITY 45-50 KG/M3) • CFC & HCFC FREE, 60 - 70 KG/M<sup>3</sup> DENSITY FLEXIBLE CLOSED CELL ELASTOMERIC SHEET FACTORY FACING ALUFOIL /ALUGLASS INSULATION WITH MINIMUM THICKNESS OF

19 MM (25 MM FOR PLANT ROOM AND OUT DOOR AREAS) WITH PVC JACKETING OR ALU CLADDING FACING. • IF THE DUCT IS EXPOSED TO ATMOSPHERE (ROOF), THE DUCTS ARE INSULATED WITH GLASS FIBRE COVERED WITH COTTON CLOTH, COATED WITH VAPOUR BARRIER AND FINALLY FINISHED WITH 0.8 MM THICK ALUMINIUM CLADDING

(PLAIN / EMBOSSED).



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INTERIOR DESIGNER

# HVAC Legend BALANCING DAMPER, ROUND ROUND DUCT FLEXIBLE DUCT, ROUND FCU RETURN AIR TERMINAL, SQAURE 300X300 SUPPLY AIR TERMINAL, SQAURE 300X300 FLEXIBLE DUCT, ROUND LINEAR SLOT DIFFUSER WITH PLENUM, 2 SI OT LINEAR SLOT DIFFUSER WITH PLENUM, 4

#### Overall Size Flow Insulation Lining Length Overall Size Flow Thickness Insulation Type Thickness Lining Type Velocity (MM) Count 0 mm 1.8 m/s 5292 1.8 m/s 1418 0 mm 1.8 m/s 407 0 mm 0 mm 1.8 m/s 661 0 mm 1.8 m/s 721 0 mm 1.8 m/s 181 0 mm 1.8 m/s 243 2.0 m/s 504 0 mm 0 mm 2.0 m/s 741 2.0 m/s 504 0 mm 0 mm 2.0 m/s 755 0 mm 2.0 m/s 1170 2.0 m/s 268 2.0 m/s 548 0 mm 0 mm 0 mm 2.0 m/s 104 0 mm 2.0 m/s 353 2.0 m/s 378 0 mm 0 mm 2.0 m/s 172 2.0 m/s 452 0 mm 1.1 m/s 752 0 mm 0 mm 2.2 m/s 1692 2.6 m/s 3685 1 0 mm 0 mm 2.7 m/s 199 1 0 mm 2.8 m/s 2243 1 0 mm 3.0 m/s 1114 24555 25

lequie						
Free Size	Count					
mm-150 mmx150 mr	n		2			
mm-200 mmx200 mr	n		5			
mm-200 mmø			2			
mm-200 mmx200 mr	n		1			
mm-150 mmø			4			
mm-225 mmx225 mr	n		11			
mm-225 mmx225 mr	n		1			
mm-200 mmx200 mr		1				
mm-250 mmx250 mr	1					
mm-250 mmx250 mr	1					
mm-225 mmx225 mr	1					
mm-275 mmx275 mr	n		1			
mm-250 mmx300 mr	m-225 mmx	300 mm	1			
mm-300 mmx300 mr	n		1			
mm-275 mmx275 mr	n		1			
mm-325 mmx325 mr	n		1			
mm-300 mmx320 mr	n		1			
mm-300 mmx425 mr	m-325 mmx	425 mm	1			
			37			
dule						
ee Size	Count					

#### MORE INFORMATION

SLOT

6	15/12/20	FDS to Mall	Hanna	Zahir			
5	07/12/20	Final Submittal to Client	Final Submittal to Client Yahya Zahir				
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1	20/06/20	Revised Concept Design Yahya Zahi					
0	11/06/20	First Concept Presentation For Client	Yahya	Zahir			
No	Date	Description	Iss. to	lss. by			
Revision Schedule							

### REVISIONS

Design

Drawing Status

1. This Drawing is not to be scaled.

- 2. All dimensions shown are in millimeters, and do not take into account applied finishes, unless specifically indicated otherwise.
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GENERAL NOTES

RAYDAN PERFUMES UNIT N18, MALL OF OMAN

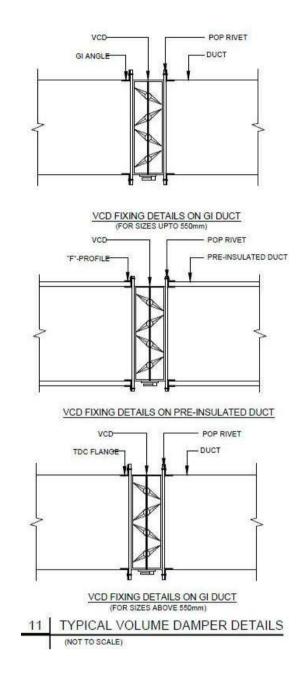
#### PROJECT

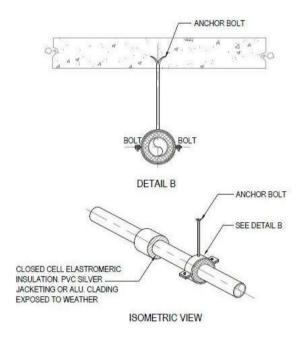
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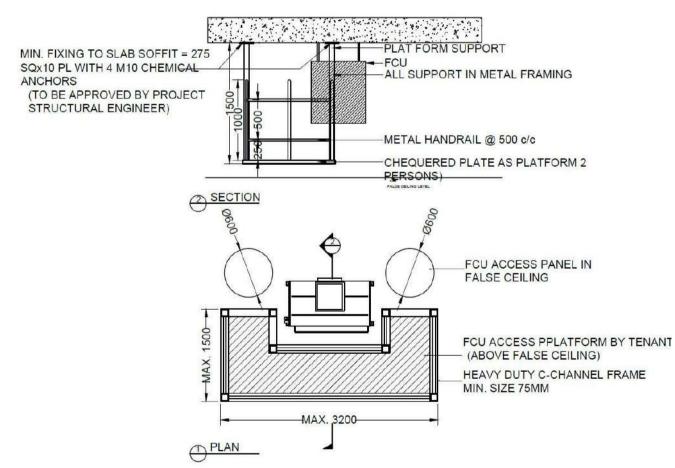
### Drawing Title HVAC Layout

Drawn	٥	ZAH		Date	٥	Issue	Date
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Project No. 143	Туре	e	Drawing				Rev. 6

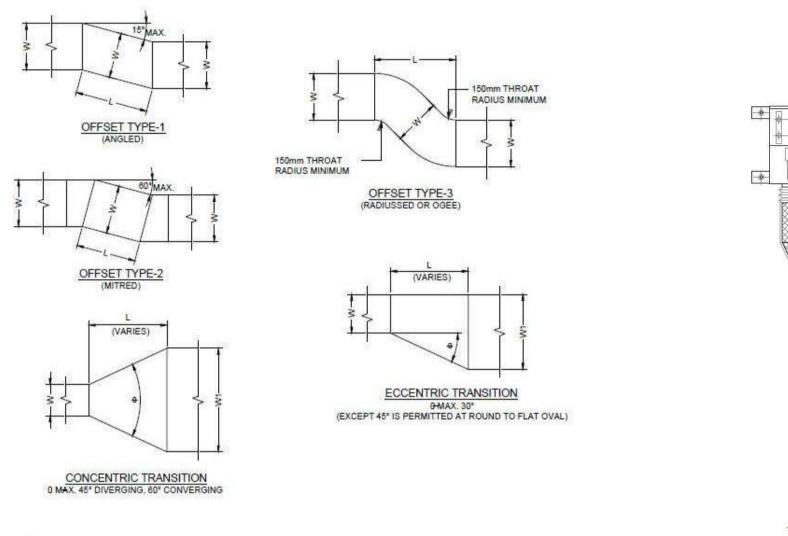








### FCU PLATFORM INSTALLATION DETAILS





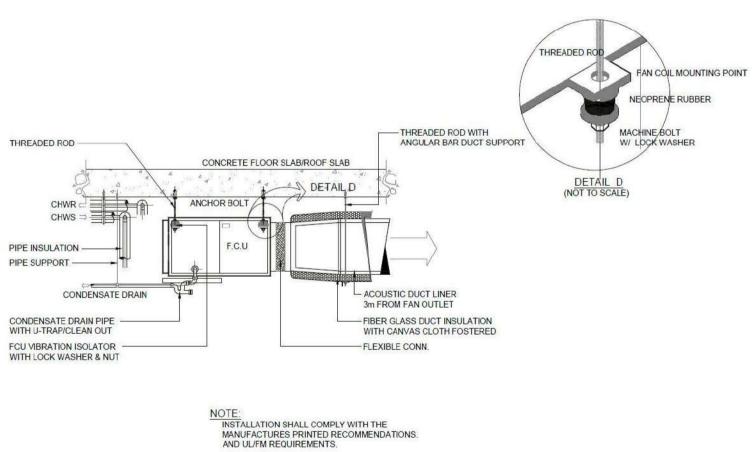


50 DETAIL-2

—ØM 20

ANGLE BAR x 4 NOS.

DUCT



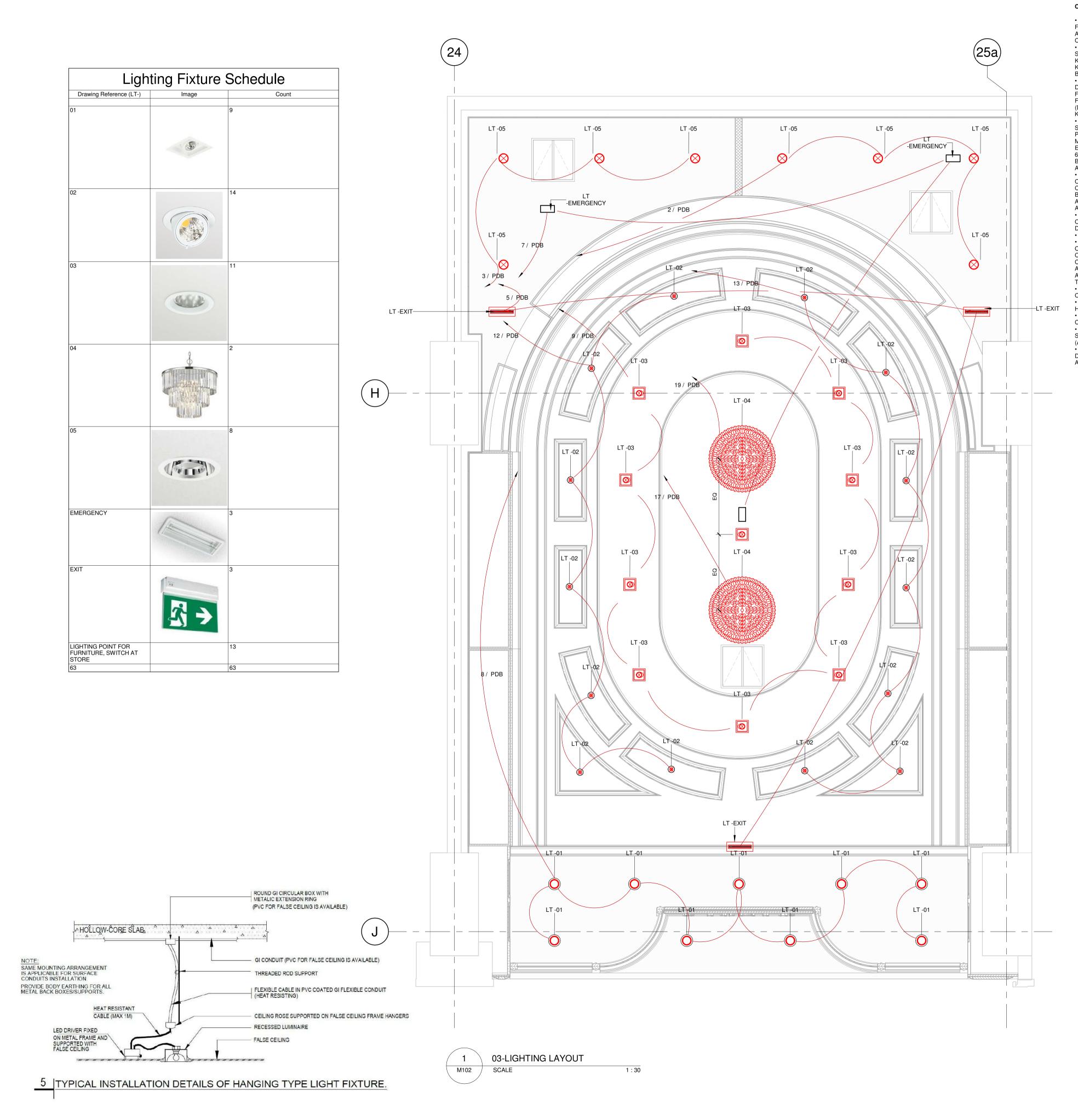
27 | TYPICAL DETAILS FOR FAN COIL UNITS CEILING SUSPENDED TYPE (NOT TO SCALE)



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INTERIOR DESIGNER

MORE INFOR	MATION						
6 15/12/20	FDS to Ma			Hanna	Zahir		
No Date		Descrip	otion	Iss. to	lss. by		
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REVISION	IS						
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account applie 3. Any omissio Architect/Engir 4. Levels are g 5. This drawing of the specifica 6. The contrac approval (base site works, or p	<ol> <li>All dimensions shown are in millimeters, and do not take into account applied finishes, unless specifically indicated otherwise.</li> <li>Any omissions or discrepancies found shall be reported to the Architect/Engineer/Interior Designer immediately.</li> <li>Levels are given in millimeters above FFL (Finished Floor Level).</li> <li>This drawing is to be read in conjunction with the relevant section of the specification and schedules.</li> <li>The contractor shall submit full shop / setting out drawing for approval (based on site dimensions) prior to commencement of any site works, or placing any orders and on manufacture of any fittings, fixtures and components shown.</li> </ol>						
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CHILLED WATER PIPE WORK: (F& B) AND ANCHOR UNITS.

• TENANTS INSTALLED CHILLED WATER PIPE WORK SHALL BE FORMED IN MEDIUM GRADE BLACK STEEL ERW. SCH40. ASTM A53, AND GRADE B. USE WELDED OR GROVE PIPE FITTINGS CHILLED WATER INSULATION (F& B) AND ANCHOR UNITS. • CHILLED WATER PIPE INSULATED WITH PHENOLIC FOAM, SHALL HAVE A THERMAL CONDUCTIVITY OF AT MOST 0.018 W/M K AT 10 °C MEAN TEMPERATURE AND NOMINAL DENSITY OF 35 KG/M<sup>3</sup>, MINIMUM THICKNESS IS 30 MM WITH A SUITABLE VAPOR BARRIER COATING OR FACING SHALL BE PROVIDED. • 25 MM THICK (48 KG/M<sup>3</sup> IN THE PLANT ROOM) 24 KG/ M<sup>3</sup> DENSITY, GLASS FIBRE PIPE SHAPED INSULATION WITH FACTORY APPLIED VAPOUR BARRIER REINFORCED ALUMINIUM FACING.OR CROSS LINKED CLOSED CELL POLYOLEFIN FOAM (DENSITY 45-50

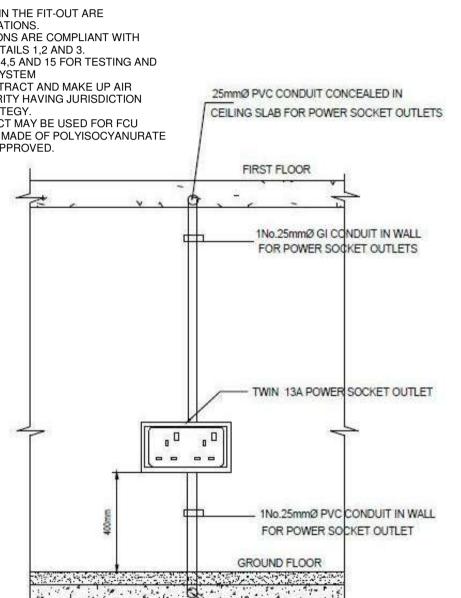
KG/M3) OR AS AN ALTERNATIVE: • CFC AND HCFC FREE, FLEXIBLE CLOSED CELL ELASTOMERIC SHEET INSULATION OR CROSS LINKED CLOSED CELL POLYOLEFIN FOAM (DENSITY 45-50 KG/M3) WITH MINIMUM OF 12 MM (25 MM FOR PLANT ROOM AND OUTSIDE AREAS) THICKNESS. ELASTOMERIC INSULATION MUST BE FM APPROVED. DENSITY: 60 -70 KG /M3 WITH SUITABLE VAPOR BARRIER COATING SHALL BE PROVIDED WITH

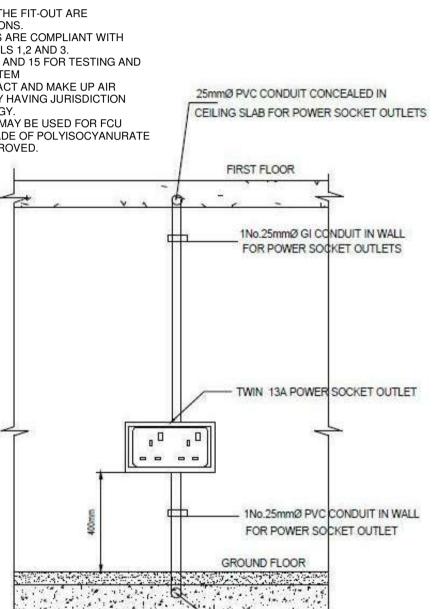
ALUGLASS / ALUPET SILVER COLOR FOIL • IF THE PIPES ARE EXPOSED TO ATMOSPHERE WITH NO FALSE CEILING AREAS INSIDE THE UNIT, THE INSULATION SHALL BE COVERED COTTON CLOTH AND COATED SUITABLE VAPOR BARRIER AND FINISHED WITH 0.8 MM THICKNESS ALUMINUM CLADDING (PLAIN OR EMBOSSED) OR ALUGLASS /

ALUCAD FACING. • CONDENSATE DRAINAGE MUST BE PIPED TO THE NEAREST CONDENSATE DRAINAGE CONNECTION WITHIN THE UNIT DEMISE. • TESTING, COMMISSIONING AND BALANCING.

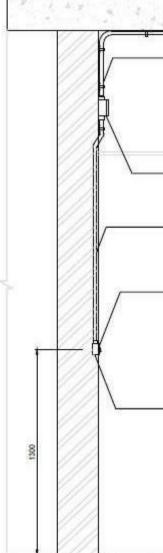
• THE TENANT HAS TO APPOINT SPECIALIST COMMISSIONING CONTRACTOR TO CARRY OUT HVAC SYSTEM TESTING. COMMISSIONING AND BALANCING. TENANT IS TO SUBMIT COMMISSIONING AND BALANCING REPORT (AIR DISTRIBUTION AND CHILLED WATER NETWORK) TO MAJID AL FUTTAIM RETAIL DESIGN MANAGEMENT BEFORE UNIT OPEN TO TRADE.

• ENSURE ALL MATERIALS USED IN THE FIT-OUT ARE COMPLIANT WITH MEP SPECIFICATIONS. • ENSURE ALL HVAC INSTALLATIONS ARE COMPLIANT WITH HVAC TYPICAL INSTALLATION DETAILS 1,2 AND 3. • REFER PROCESS FLOW CHART 4,5 AND 15 FOR TESTING AND COMMISSIONING OF THE HVAC SYSTEM • TENANT TO INSTALL SMOKE EXTRACT AND MAKE UP AIR SYSTEM ACCORDING TO AUTHORITY HAVING JURISDICTION (AHJ) AND PROJECT'S FIRE STRATEGY. • PHENOLIC PRE- INSULATED DUCT MAY BE USED FOR FCU DUCTING. PRE-INSULATED DUCT MADE OF POLYISOCYANURATE AND POLYURETHANE ARE NOT APPROVED.





SOCKET OUTLET



11 4.5 20mmØ PVC CONDUIT FROM TRUNKING/D.B. FCL - CONDUIT BOX - 20mmØ PVC CONDUIT LIGHT SWITCH -75x75mm PVC BACK BOX 1. 1. 2 . 2 . 1

15 TYPICAL LIGHT SWITCH INSTALLATION DETAILS

15/12/2020 20:05:03

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SHEET LOCK FORMING QUALITY, HOT –DIP GALVANIZED STEEL WITH G90 (Z 275 G/ M<sup>2</sup>)

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IN FLOOR SCREED 13 TYPICAL MOUNTING DETAIL FOR

25mmØ PVC CONDUIT



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### Lighting Legend (Types)

	1X18 W, T5 LAMP, SUSPENDED EMERGENCY LUMINAIRE
0	RECESSED SQUARE BODY DOWNLIGHT
8	TRACK LIGHT
	1X18 W, SURFACE MOUNTED EXIT LUMINAIRE
0	150MM RECESSED DOWNLIGHT
0	80MM DOWNLIGHT
·	STRIP LIGHT
•	LIGHTING POWER CONNECTOR - CABLE TAIL WITH CONNECTION ROSE
٢	PENDANT LIGHT, AS PER ID
	RECESSED CEILING LIGHT, 600X600

MORE INFORMATION

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Revision Schedule							

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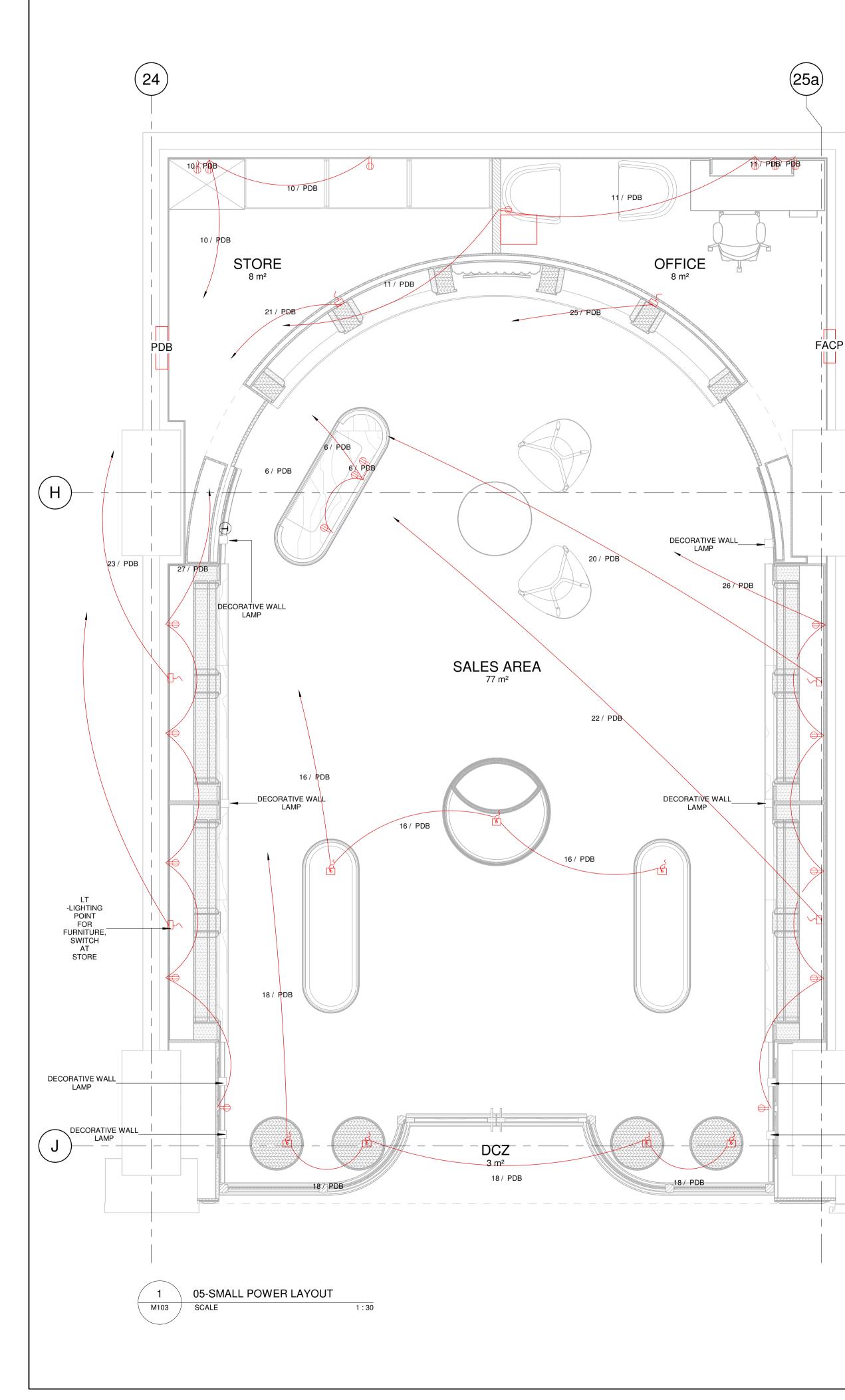
PROJECT

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### Drawing Title Lighting & Emergency Lighitng Layout

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Checked	۰			Approved	٥	Approver	
Scale	٠	As indica	ted				
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Project No. 143	Туре	e	Drawing M10				Rev. 6
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D	BR	ef PD								
		MAIN I	Y (8+6) TPN MCB D SOLATOR 63A TPN :: 4C 16MM2 CU/XL		MM2 CU/PVC EC	С		LOCATION FED FROM		
ELCB RATING	CIRCU	IT NO.	LOAD	DESCRIPTION	R	Y	В	MCB RATING AMPS	Wire Size MM2	REMAP
	1	R1	Spare		0 W			13 A		
	2	Y1	Lighting OFFICE			32 W		20 A	2.5	
	3	B1	Lighting STORE	3	00.14/		32 W	20 A	2.5	
	4 5	R2 Y2	Other OFFICE 4 Other		20 W	60 W		13 A 20 A	4.0	
	6	B2	Receptacle SAL	ES AREA 1		00 11	120 W	20 A	4.0	
	7	R3	Emergency Ligh		60 W			20 A	2.5	
	8	Y3	Lighting			135 W		20 A	2.5	
	9	B3	Lighting SALES	AREA 1	100.14/		140 W	20 A	4.0	
	10 11	R4 Y4	Receptacle STO Receptacle OFF		120 W	160 W		20 A 20 A	4.0	
	12	B4	Lighting SALES			100 44	210 W	20 A	2.5	L
	13	R5	Lighting SALES	AREA 1	210 W			20 A	4.0	
	14	Y5	CEILING STRIP	LIGHT		250 W		13 A	2.5	
	15	B5 R6	WALL LAMP		040 \\\		240 W	13 A	2.5	
	16 17	Y6	Lighting SALES Other SALES AF		240 W	400 W		20 A 20 A	<u>2.5</u> 4.0	
-	18	B6	Lighting SALES			100 11	320 W	20 A	2.5	
	19	R7	Other SALES AF	Other SALES AREA 1				20 A	4.0	
	20	Y7	Lighting SALES	AREA 1		80 W		13 A	2.5	
	21	B7	Lighting STORE	Lighting SALES AREA 1 Lighting STORE 3			80 W	13 A	2.5	
	22 23	R8 Y8	Lighting SALES		80 W	80 W		13 A 13 A	2.5 2.5	
	23	B8	Lighting SALES			00 W	80 W	13 A	2.5	
	25	R9	Lighting OFFICE	4	80 W			13 A	2.5	
	26	Y9	Receptacle SAL			200 W		20 A	4.0	
F	27 28	B9 R10	Receptacle SAL	ES AREA 1	200 W		200 W	20 A	4.0	
	28	Y10	Other		∠00 W	418 W		13 A	4.0	
-	30	B10	FCU				418 W	20 A	6.0	
	31	R11			418 W					
	32	Y11	Spare			0 W		13 A		
	33 34	B11 R12	Spare		0 W		0 W	13 A 13 A		
	34	Y12	Spare Spare		0 00	0 W		13 A		
	36	B12	Spare				0 W	13 A		
	37	R13								
	38	Y13								
	39 40	B13 R14								
	40	Y14								
	42	B14								
					1762 W	1749 W	1774 W			
					15 A	15 A	15 A			
	Legen	d:	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·					
Load Cla	assifica	ation		Connected Load	Demand Factor	Estimated	d Demand	P	anel Totals	
Cooling				1254 W	100.00%	125	4 W			
Other				1570 W	100.00%	157	'0 W	Total Conn. L	oad: 5286 W	
Receptad	le			800 W	50.00%	400	W C	Total Est. Dem	and: 4890 W	
								Total Conn. Cur	rent: 15 A	
r								Total Est. Dema		

DECORATIVE WALL LAMP

DECORATIVE WALL LAMP

• ENSURE ALL INSTALLATIONS ARE COMPLIANT WITH ENSURE ALL INSTALLATIONS ARE COMPLIANT WITH APPROVED BY LOCAL ELECTRICITY AUTHORITY INSTALL WATERPROOF IP65 TYPE POWER SOCKETS FOR ANY

SOCKETS WITHIN 1 METER FROM WATER SOURCE/WET AREA

• GI CONDUITS : INSTALL AT OPEN CEILING AND IN KITCHEN AREA • PVC CONDUITS : INSTALL AT ABOVE CEILING (CONCEALED), CONCEALED WALL CLADDING AND AT SCREED (NON F&B UNIT). • USE XLPE , PVC CABLE FOR ALL 3 PHASE EQUIPMENT. • DO NOT INSTALL PVC CONDUIT IN THE KITCHEN AREA AN IN OPEN CEILING AREA. G.I TRUNKING SHALL BE USED FOR THOSE

APPLICATION • FLOOR CONDUIT RUN IS NOT ALLOWED INSIDE KITCHEN/ WET

AREA. • USE SWITCHED TYPE IP65 RATED SOCKETS IN KITCHEN. • DO NOT INSTALL ANY KITCHEN EQUIPMENT POWER SOCKETS

ABOVE CEILING. • INSTALL ALL KITCHEN EQUIPMENT POWER OUTLETS JUST BEHIND THE CORRESPONDING UNIT AT 450MM FFL, WITH NO POWER CABLES EXPOSED TO VIEW. • COVER ALL POWER CABLES NEATLY WITH CUSTOMIZED STAINLESS STEEL POSTING WITH WATER PROOF SOCKETS. ENSURE NO CABLES ARE HANGING FROM CEILING USE ONLY METAL TYPE FLOOR BOXES

 LOCATE ISOLATORS, SUB MAIN DISTRIBUTION BOARDS AND DISTRIBUTION BOARDS IN AN UNOBSTRUCTED AREA WITH DIRECT ACCESS

DIRECT ACCESS • ENSURE ALL MATERIALS USED IN THE FT-OUT ARE COMPLIANT WITH MEP SPECIFICATIONS AND AS PER LOCAL AUTHORITY REQUIREMENTS • ENSURE ALL LIGHTING INSTALLATIONS ARE COMPLIANT WITH ELECTRICAL TYPICAL INSTALLATION DETAILS • REFER PROCESS EI OW CHAPT 2 4 5 17 AND 18 FOR TESTING • REFER PROCESS FLOW CHART 3,4,5,17 AND 18 FOR TESTING AND COMMISSIONING OF THE ELECTRICAL SYSTEM. INSTALLATION OF THE FLOOR CONDUITS AND FLOOR BOXES ARE NOT ACCEPTABLE IN THE KITCHEN AREA

• TENANT TO SUBMIT SEPARATE DRAWING FOR TRUNKING / CONTAINMENT LAYOUT FOR POWER, ELV, CCTV AND TELEPHONE AND DATA. • EXTENSION LEAD/ PORTABLE OUTLETS ARE NOT ALLOWED

CONNECT ADDITIONAL EQUIPMENT/ LOAD. • INSTALLED EQUIPMENT LOAD MUST MATCH WITH APPROVED

LOAD SCHEDULE AND NO ADDITIONAL EQUIPMENT LOAD TO BE CONNECTED WITHOUT MALL APPROVAL. • USE CU/XLPE /SWA/PVC CABLES FOR ALL 3PHASE

EQUIPMENT. • USE CU/XLPE/SWA/PVC CABLES FOR OUTDOOR APPLICATION. • USE SINGLE CORE CU/PVC WIRE FOR 1PHASE LIGHTING AND POWER CIRCUIT.



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INTERIOR DESIGNER

## Electrical Legend

DUPLEX RECEPTACLE ISOLATED GROUND RECEPTACLE 

COUNTERTOP RECEPTACLE

MORE INFORMATION

6	15/12/20	FDS to Mall	Hanna	Zahir			
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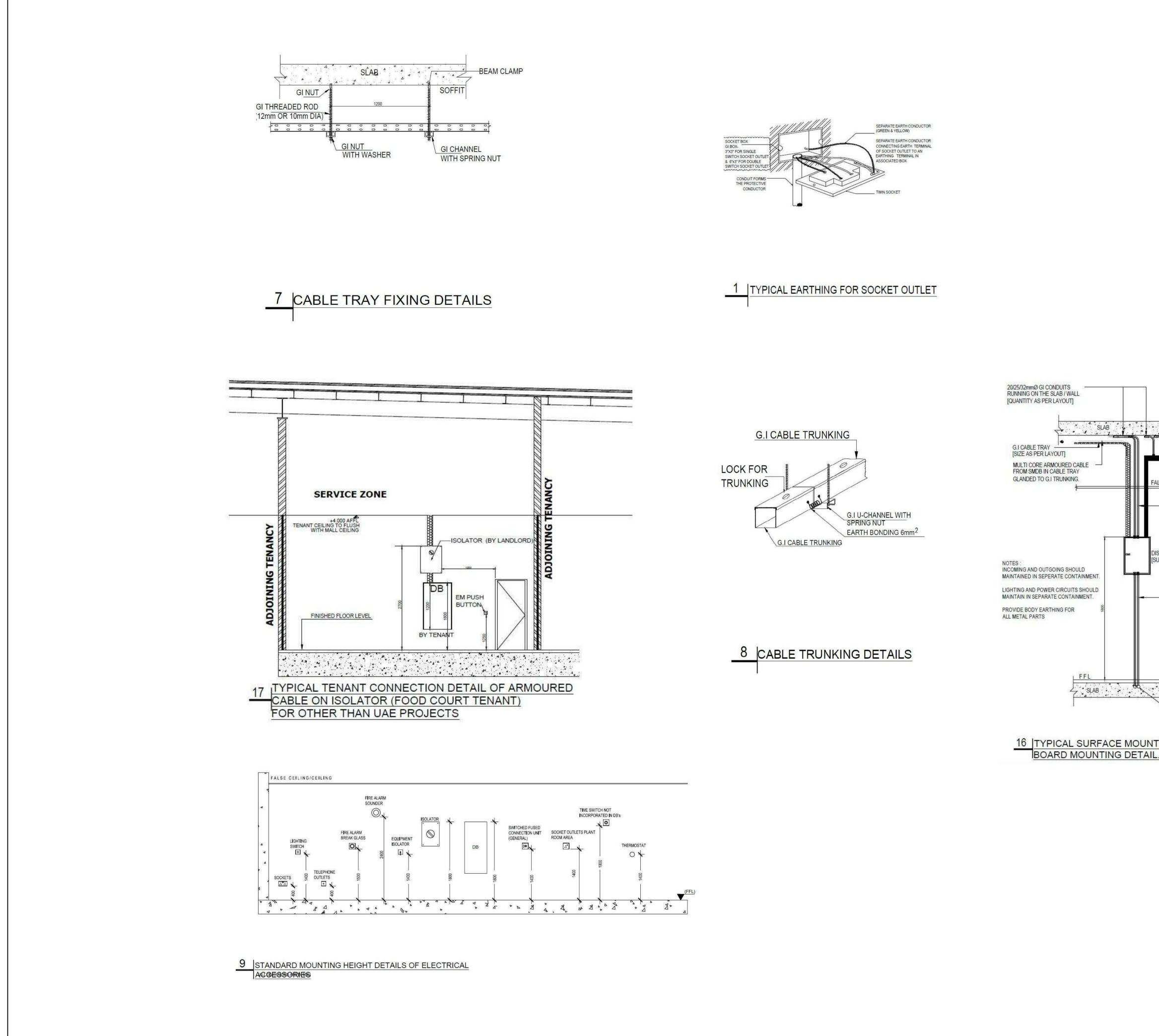
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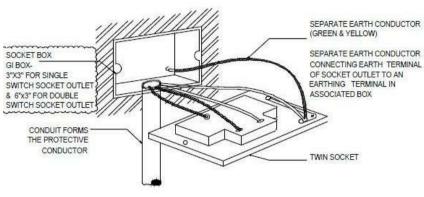
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Drawing Title Small Power Layout & DB Schedule

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INTERIOR DESIGNER



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FALSE CEILING
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SLAB

1.71.2

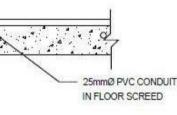
FFL

SLAB

- GI CONDUITS FOR LIGHTING CIRCUITS [SIZE AS PER LAYOUT]

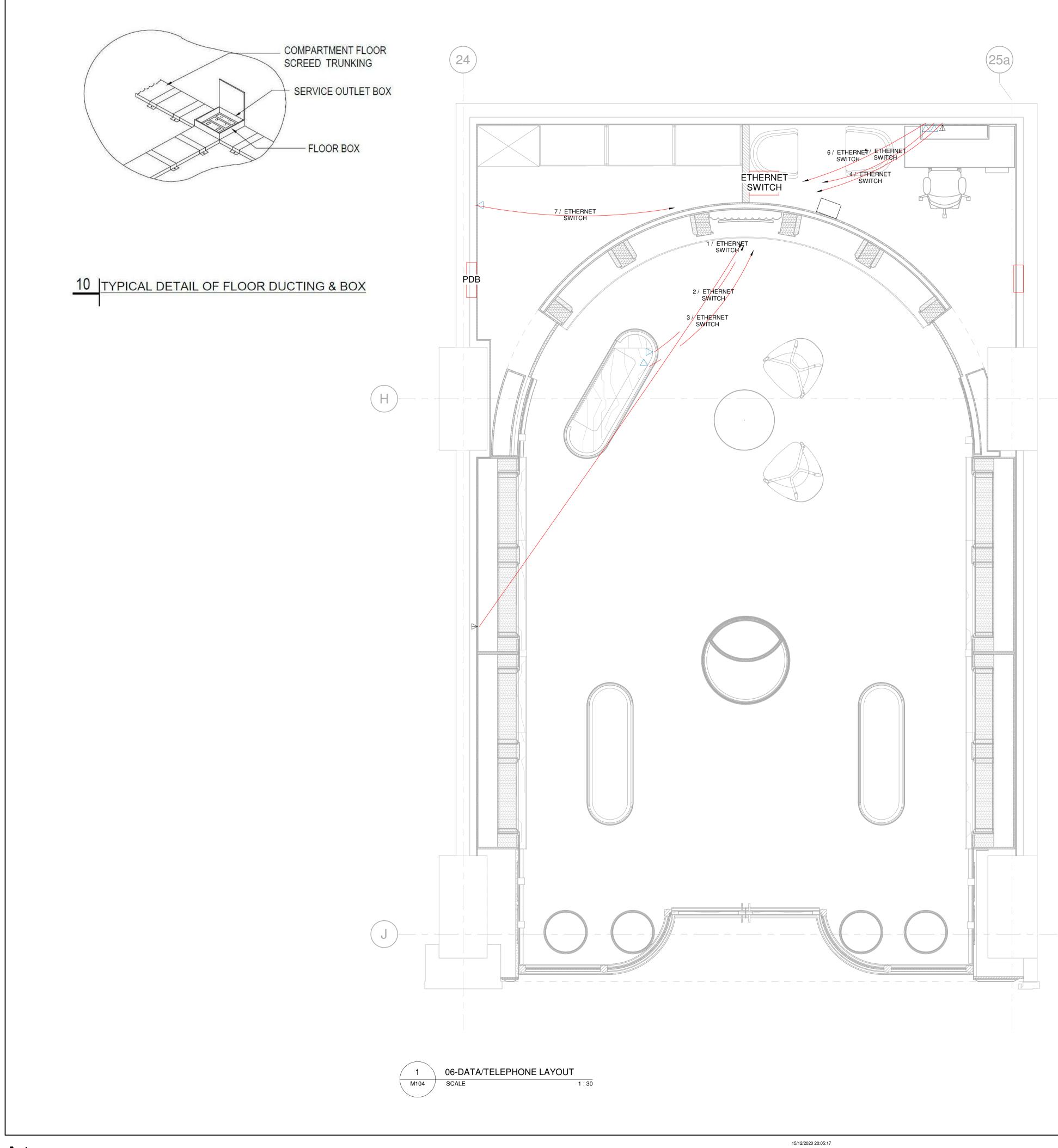
DISTRIBUTION BOARD [SURFACE MOUNTED]

- GI CONDUITS FOR POWER CIRCUITS [SIZE AS PER LAYOUT]



### 16 TYPICAL SURFACE MOUNTED DISTRIBUTION

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6 No	15/12/20 Date	) FDS to	o Mall	Descrip	tion		Hanna Iss. to	Zahir Iss. by
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	ject No. <b>143</b>	Туре		Drawing				Rev. 6





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INTERIOR DESIGNER

## Data/Telephone Legend

	DATA OUTLET - STANDARD
0	DATA OUTLET EMBEDDED IN FLOOR
J	DATA JUNCTION BOXES
	TELEPHONE OUTLET
$\rightarrow$	TELEPHONE OUTLET - DUAL
	TELEPHONE OUTLET - FLOOR

TO BE COMPLIANT AS PER LOCAL TELECOM SERVICE PROVIDER REQUIREMENT.

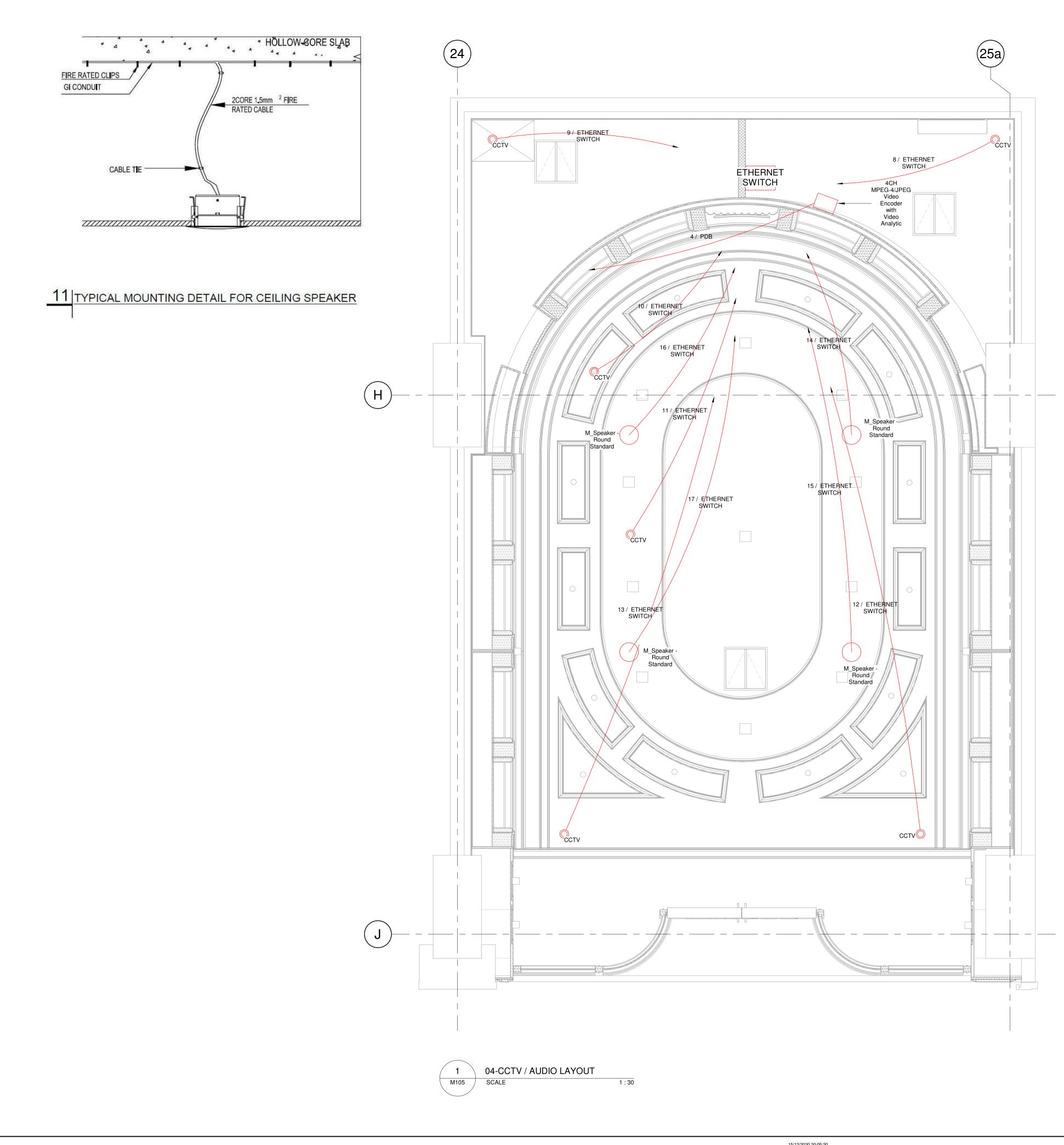
MORE INFORMATION

6 5					
5	15/12/20	FDS to Mall		Hanna	Zahir
-	07/12/20	Final Submittal to Cli	ent	Yahya	Zahir
4	30/08/20	Second Submittal to		Hanna	Zahir
3	24/06/20	First Submittal to MO		Hanna	Zahir
2	21/06/20	Ceiling and Wall She	-	Yahya	Zahir
1	20/06/20	Revised Concept De		Yahya	Zahir
0	11/06/20			Zahir	
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File 。 Project No. Type 143

Drawing No. **M104** 

Rev. 6



## TO BE COMPLIANT AS PER LOCAL TELECOM SERVICE PROVIDER REQUIREMENT.



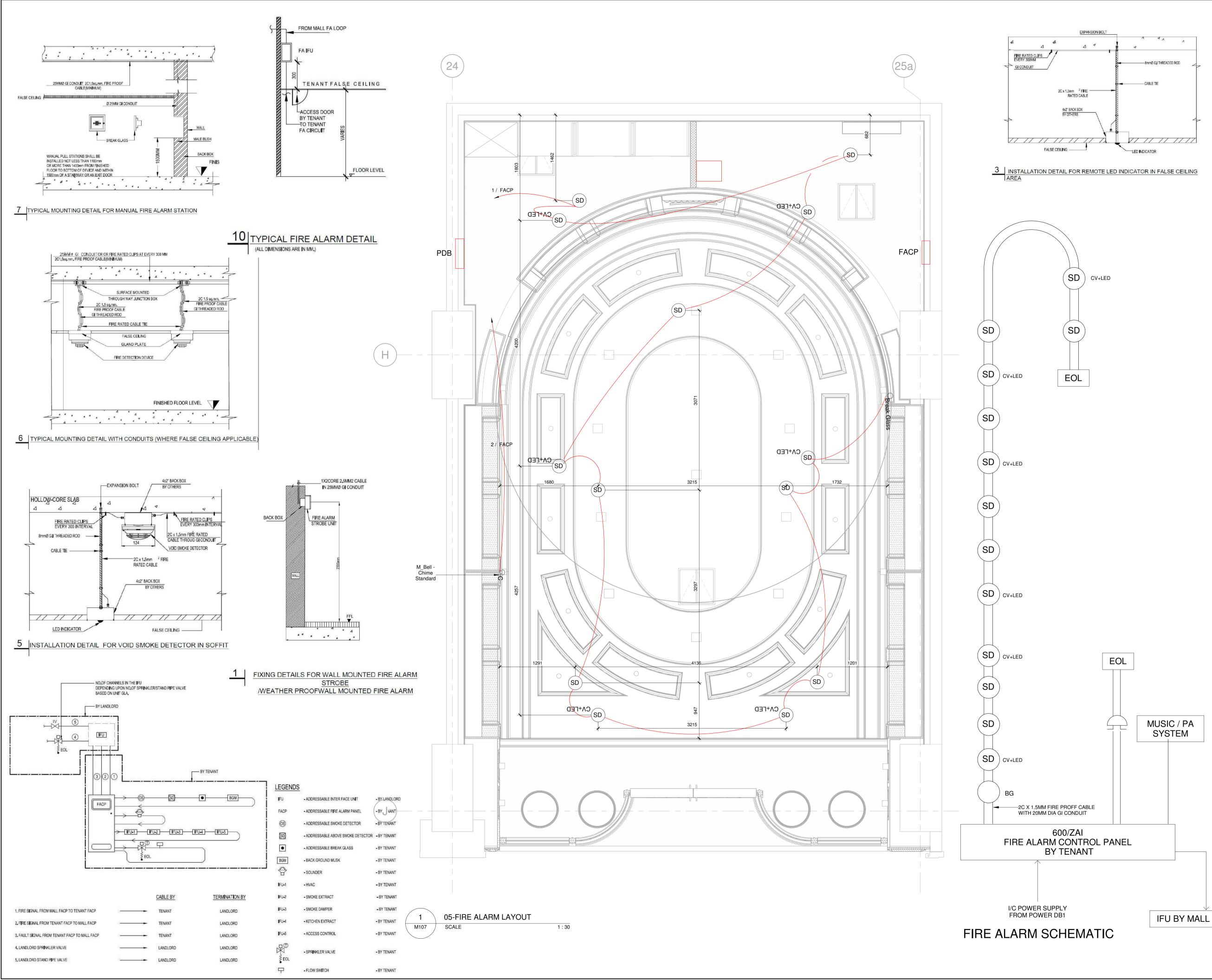
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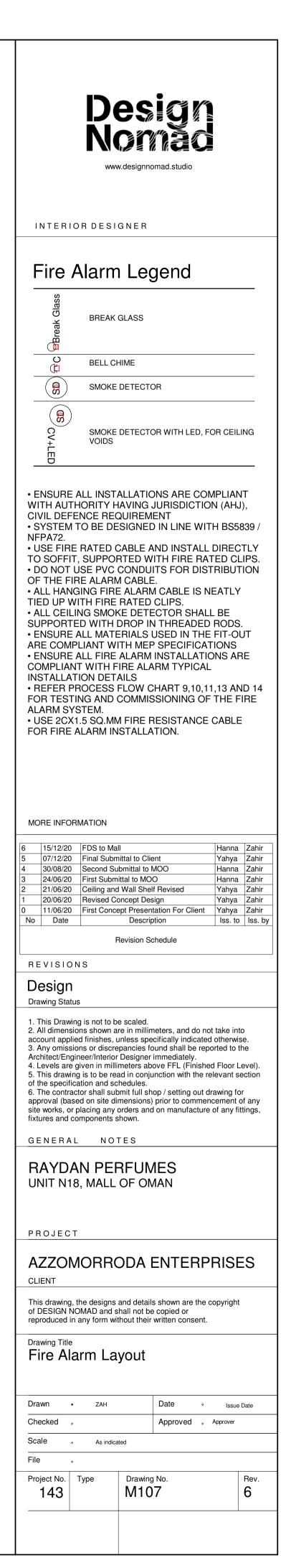
INTERIOR DESIGNER

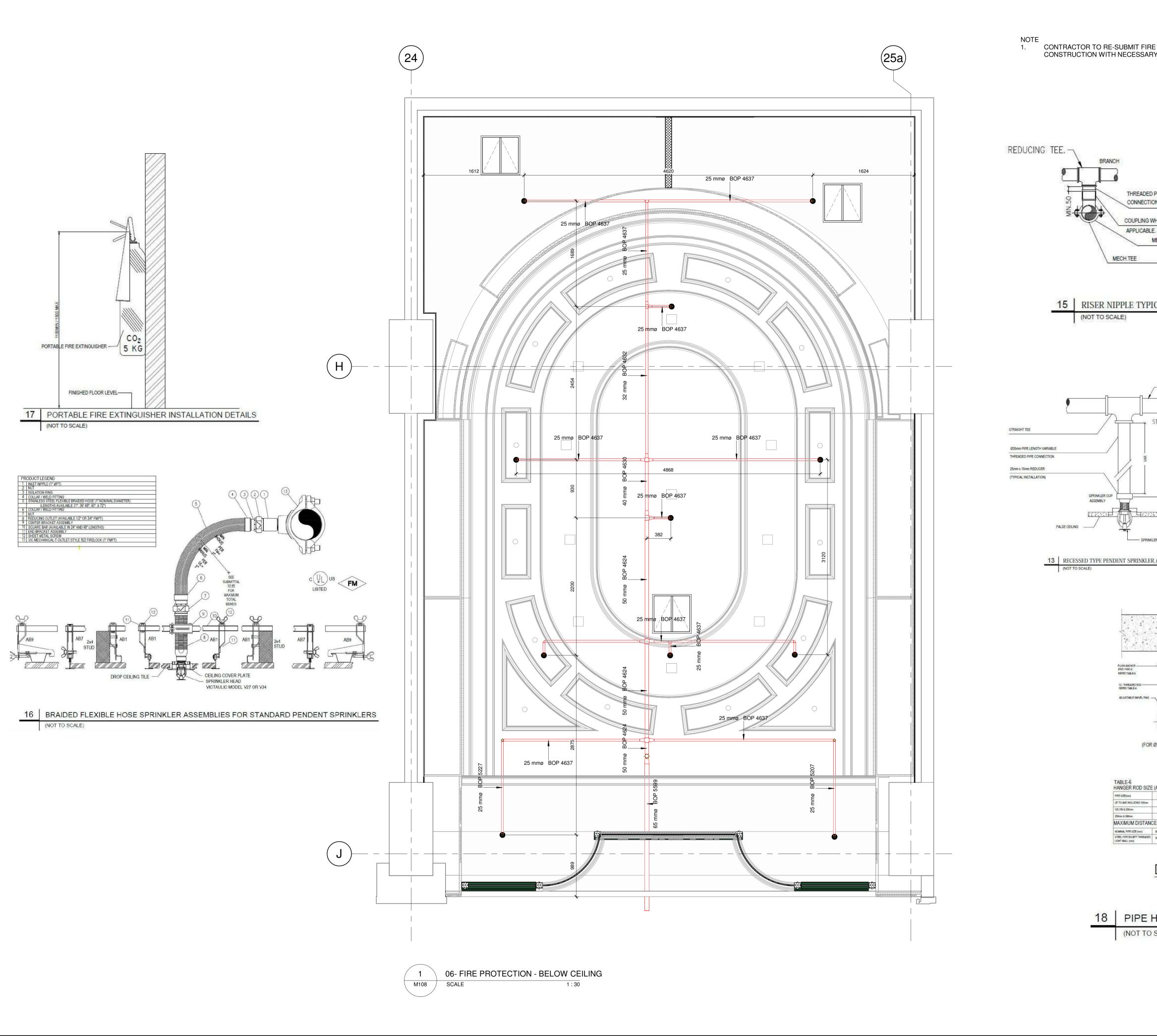
ELV System legend					
Α	AMPLIFIER				
	INTERCOM				
	MICROPHONE				
0	ROUND SPEAKER, CEILING HUNG/MOUNTED				
	CCTV CAMERA, IR				
	CCTV ENCODER				
	SECURITY ENCODER, RACK MOUNTED				
	ELECTRIC LOCK				
	KEY CARD				

#### MORE INFORMATION

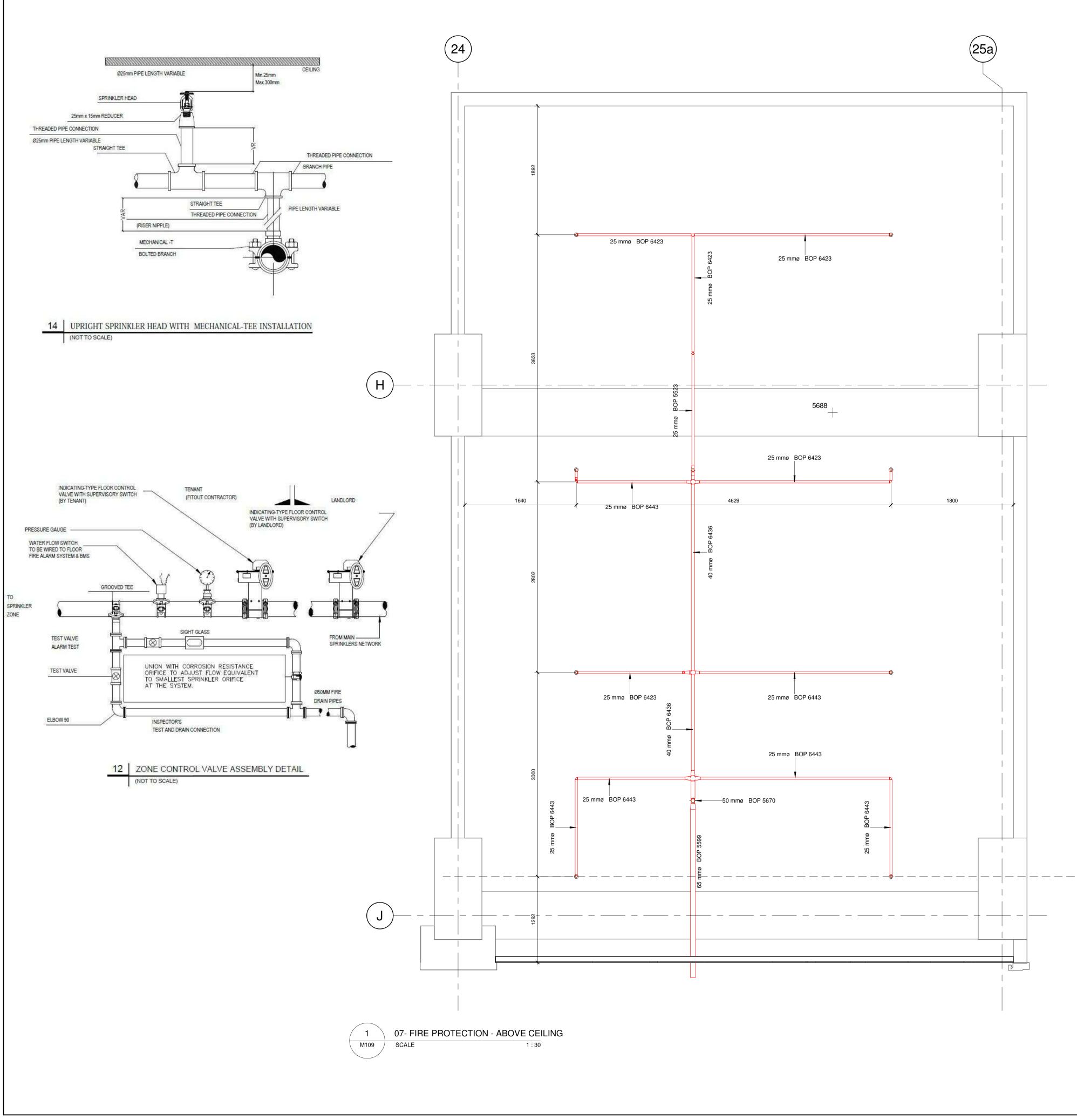
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4	30/08/20	Second Su	bmittal to I	100	Hanna	Zahir
3	24/06/20	First Subm	ittal to MO	C	Hanna	Zahir
2	21/06/20	Ceiling and	Wall Shel	f Revised	Yahya	Zahir
1	20/06/20	Revised Co			Yahya	Zahir
0	11/06/20	First Conce		tation For Clier	nt Yahya	Zahir
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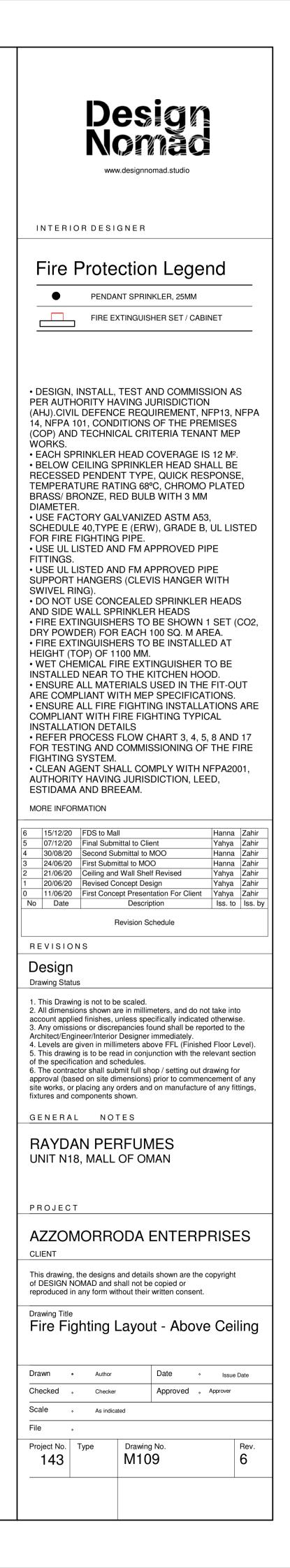


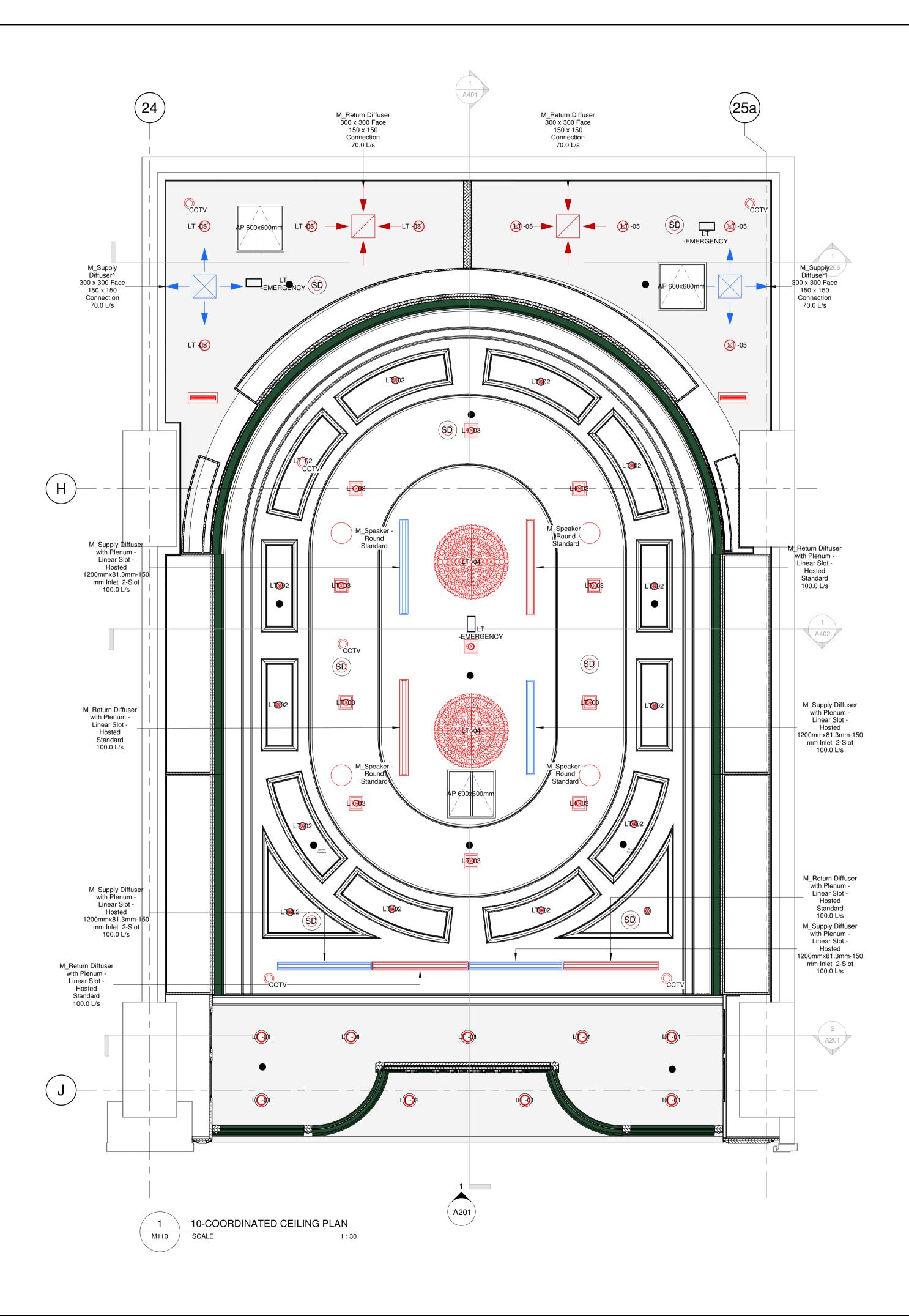


E FIGHTING DRAWINGS PRIOR TO Y ROP CERTIFICATIONS.	Design Normao www.designnomad.studio
	INTERIOR DESIGNER
90" ELBOW.	Fire Protection Legend • PENDANT SPRINKLER, 25MM • FIRE EXTINGUISHER SET / CABINET
CAL INSTALLATION DETAIL	<ul> <li>DESIGN, INSTALL, TEST AND COMMISSION AS PER AUTHORITY HAVING JURISDICTION (AHJ).CIVIL DEFENCE REQUIREMENT, NFP13, NFPA 14, NFPA 101, CONDITIONS OF THE PREMISES (COP) AND TECHNICAL CRITERIA TENANT MEP WORKS.</li> <li>EACH SPRINKLER HEAD COVERAGE IS 12 M<sup>2</sup>.</li> <li>BELOW CEILING SPRINKLER HEAD SHALL BE RECESSED PENDENT TYPE, QUICK RESPONSE, TEMPERATURE RATING 68°C, CHROMO PLATED BRASS/ BRONZE, RED BULB WITH 3 MM DIAMETER.</li> </ul>
THREADED PIPE CONNECTION	<ul> <li>USE FACTORY GALVANIZED ASTM A53, SCHEDULE 40,TYPE E (ERW), GRADE B, UL LISTED FOR FIRE FIGHTING PIPE.</li> <li>USE UL LISTED AND FM APPROVED PIPE FITTINGS.</li> <li>USE UL LISTED AND FM APPROVED PIPE SUPPORT HANGERS (CLEVIS HANGER WITH SWIVEL RING).</li> <li>DO NOT USE CONCEALED SPRINKLER HEADS AND SIDE WALL SPRINKLER HEADS</li> <li>FIRE EXTINGUISHERS TO BE SHOWN 1 SET (CO2, DRY POWDER) FOR EACH 100 SQ. M AREA.</li> <li>FIRE EXTINGUISHERS TO BE INSTALLED AT HEIGHT (TOP) OF 1100 MM.</li> <li>WET CHEMICAL FIRE EXTINGUISHER TO BE INSTALLED NEAR TO THE KITCHEN HOOD.</li> <li>ENSURE ALL MATERIALS USED IN THE FIT-OUT ARE COMPLIANT WITH MEP SPECIFICATIONS.</li> <li>ENSURE ALL FIRE FIGHTING INSTALLATIONS ARE COMPLIANT WITH FIRE FIGHTING TYPICAL INSTALLATION DETAILS</li> <li>REFER PROCESS FLOW CHART 3, 4, 5, 8 AND 17 FOR TESTING AND COMMISSIONING OF THE FIRE FIGHTING SYSTEM.</li> <li>CLEAN AGENT SHALL COMPLY WITH NFPA2001, AUTHORITY HAVING JURISDICTION, LEED, ESTIDAMA AND BREEAM.</li> </ul>
ER HEAD , (QUICK RESPONSE) 68¢C HEAD INSTALLATION DETAIL (BYTENANT)	6       15/12/20       FDS to Mall       Hanna       Zahir         5       07/12/20       Final Submittal to Client       Yahya       Zahir         4       30/08/20       Second Submittal to MOO       Hanna       Zahir         3       24/06/20       First Submittal to MOO       Hanna       Zahir         2       21/06/20       First Submittal to MOO       Hanna       Zahir         1       20/06/20       Revised Concept Design       Yahya       Zahir         0       11/06/20       First Concept Presentation For Client       Yahya       Zahir         No       Date       Description       Iss. to       Iss. by
	Revision Schedule R E V I S I O N S Design Drawing Status
Ø200 AND SMALLER)	<ol> <li>This Drawing is not to be scaled.</li> <li>All dimensions shown are in millimeters, and do not take into account applied finishes, unless specifically indicated otherwise.</li> <li>Any omissions or discrepancies found shall be reported to the Architect/Engineer/Interior Designer immediately.</li> <li>Levels are given in millimeters above FFL (Finished Floor Level).</li> <li>This drawing is to be read in conjunction with the relevant section of the specification and schedules.</li> <li>The contractor shall submit full shop / setting out drawing for approval (based on site dimensions) prior to commencement of any site works, or placing any orders and on manufacture of any fittings, fixtures and components shown.</li> </ol>
(AS PER NFPA - 13)	GENERAL NOTES RAYDAN PERFUMES UNIT N18, MALL OF OMAN
9.5         HKD M10640           12.7         H8C-4012460           15.9         2x4817 M1040           E BETWEEN HANGERS (AS PER NFPA - 13)           cos         disa           3800         disa           4500         disa           4500         disa	PROJECT AZZOMORRODA ENTERPRISES
DETAIL	CLIENT This drawing, the designs and details shown are the copyright of DESIGN NOMAD and shall not be copied or reproduced in any form without their written consent. Drawing Title
HANGER (SPRINKLER SCALE)	Fire Fighting Layout - Below Ceiling         Drawn       ZAH       Date       Issue Date         Checked       Approved       Approver       Approver         Scale       As indicated       File       Rev.         File       Drawing No.       Rev.       Approved       Approved         143       M108       Approved       Approved       Approved       Approved



15/12/2020 20:05:33





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### ELV System legend

Α	AMPLIFIER
	INTERCOM
	MICROPHONE
$\bigcirc$	ROUND SPEAKER, CEILING HUNG/MOUNTED
	CCTV CAMERA, IR
	CCTV ENCODER
	SECURITY ENCODER, RACK MOUNTED
	ELECTRIC LOCK
	KEY CARD

## Fire Alarm Legend

Break Glass	BREAK GLASS
C t	BELL CHIME
	SMOKE DETECTOR
CV+LED	SMOKE DETECTOR WITH LED, FOR CEILING VOIDS

### Fire Protection Legend



# HVAC Legend

۵	BALANCING DAMPER, ROUND
$\bigotimes$	ROUND DUCT
	FLEXIBLE DUCT, ROUND
	FCU
► _ _	RETURN AIR TERMINAL, SQAURE 300X300
<- <u></u> →	SUPPLY AIR TERMINAL, SQAURE 300X300
	FLEXIBLE DUCT, ROUND
	LINEAR SLOT DIFFUSER WITH PLENUM, 2 SLOT
ļ	LINEAR SLOT DIFFUSER WITH PLENUM, 4 SLOT



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INTERIOR DESIGNER

MORE INFORMATION

6	15/12/20	FDS to Mall	Hanna	Zahir	
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1	20/06/20	Revised Concept Design	Yahya	Zahir	
0	11/06/20	First Concept Presentation For Client	Yahya	Zahir	
No	Date	Description	Iss. to	lss. by	
Revision Schedule					

REVISIONS

Design

Drawing Status

1. This Drawing is not to be scaled. 2. All dimensions shown are in millimeters, and do not take into

account applied finishes, unless specifically indicated otherwise. 3. Any omissions or discrepancies found shall be reported to the

Architect/Engineer/Interior Designer immediately.
4. Levels are given in millimeters above FFL (Finished Floor Level).
5. This drawing is to be read in conjunction with the relevant section

of the specification and schedules. 6. The contractor shall submit full shop / setting out drawing for approval (based on site dimensions) prior to commencement of any site works, or placing any orders and on manufacture of any fittings, fixtures and components shown.

GENERAL NOTES

RAYDAN PERFUMES UNIT N18, MALL OF OMAN

PROJECT

AZZOMORRODA ENTERPRISES

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Drawing Title Coordinated Ceiling Plan

Drawn	٥	Author		Date	۰	Issue	e Date
Checked	۰	Checker		Approved	٥	Approver	
Scale	٠	As indica	ited				
File	٠						
Project No. 143	Тур	e	Drawing M11				Rev. 6