

PROPOSED CENTER FOR RAILWAY RESEARCH
AT IIT MADRAS RESEARCH PARK



A Block 5th Floor

SCHEDULE OF OPENINGS

NOTATION	DESCRIPTION	WIDTH	HEIGHT
D1	Single glass	0.9	2.1
D2	Double glass	1.5	2.1
SD	Sliding door	1.0	2.1
FD	Fire resistant door	1.5	2.1

APPROVAL

DRAWING STATUS

<input type="checkbox"/> SCHEME FOR APPROVAL	<input checked="" type="checkbox"/> TENDER DRAWING
<input type="checkbox"/> ADVANCE COPY	<input type="checkbox"/> G.F.C.

PROJECT

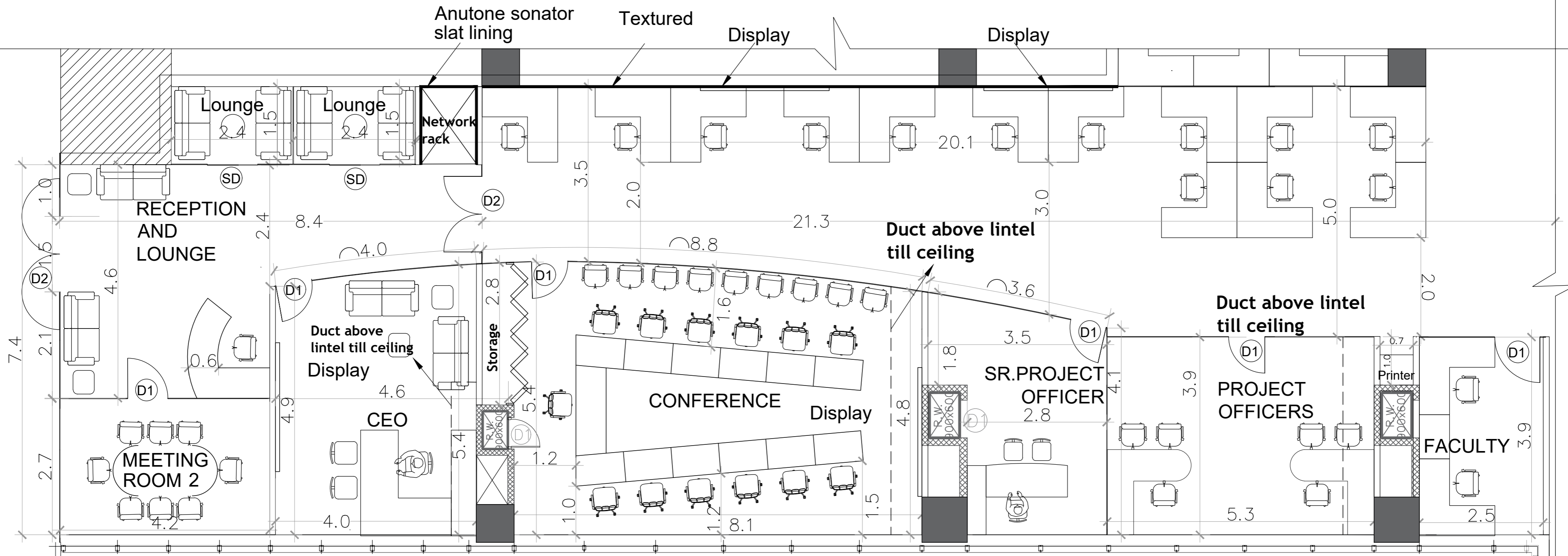
**PROPOSED CENTER FOR RAILWAY RESEARCH
AT IIT MADRAS RESEARCH PARK**

1. DRAWING TO BE READ AND NOT MEASURED.
2. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY CONSTRUCTION.
3. ALL DIMENSIONS ARE IN METRES.

NAME OF DRAWING **PROPOSED FLOOR PLAN**

DRAWING NO. AR/101/R18 DATE OF SUBMISSION 29.03.23

NOT TO SCALE



SCHEDULE OF OPENINGS

NOTATION	DESCRIPTION	WIDTH	HEIGHT
D1	Single glass Door	0.9	2.1
D2	Double glass Door	1.5	2.1
SD	Sliding door	1.0	2.1
FD	Fire resistant door	1.5	2.1

APPROVAL

PROJECT

PROPOSED CENTER FOR RAILWAY RESEARCH AT IIT MADRAS RESEARCH PARK

DRAWING STATUS

<input type="checkbox"/> SCHEME FOR APPROVAL	<input checked="" type="checkbox"/> TENDER DRAWING
<input type="checkbox"/> ADVANCE COPY	<input type="checkbox"/> G.F.C.

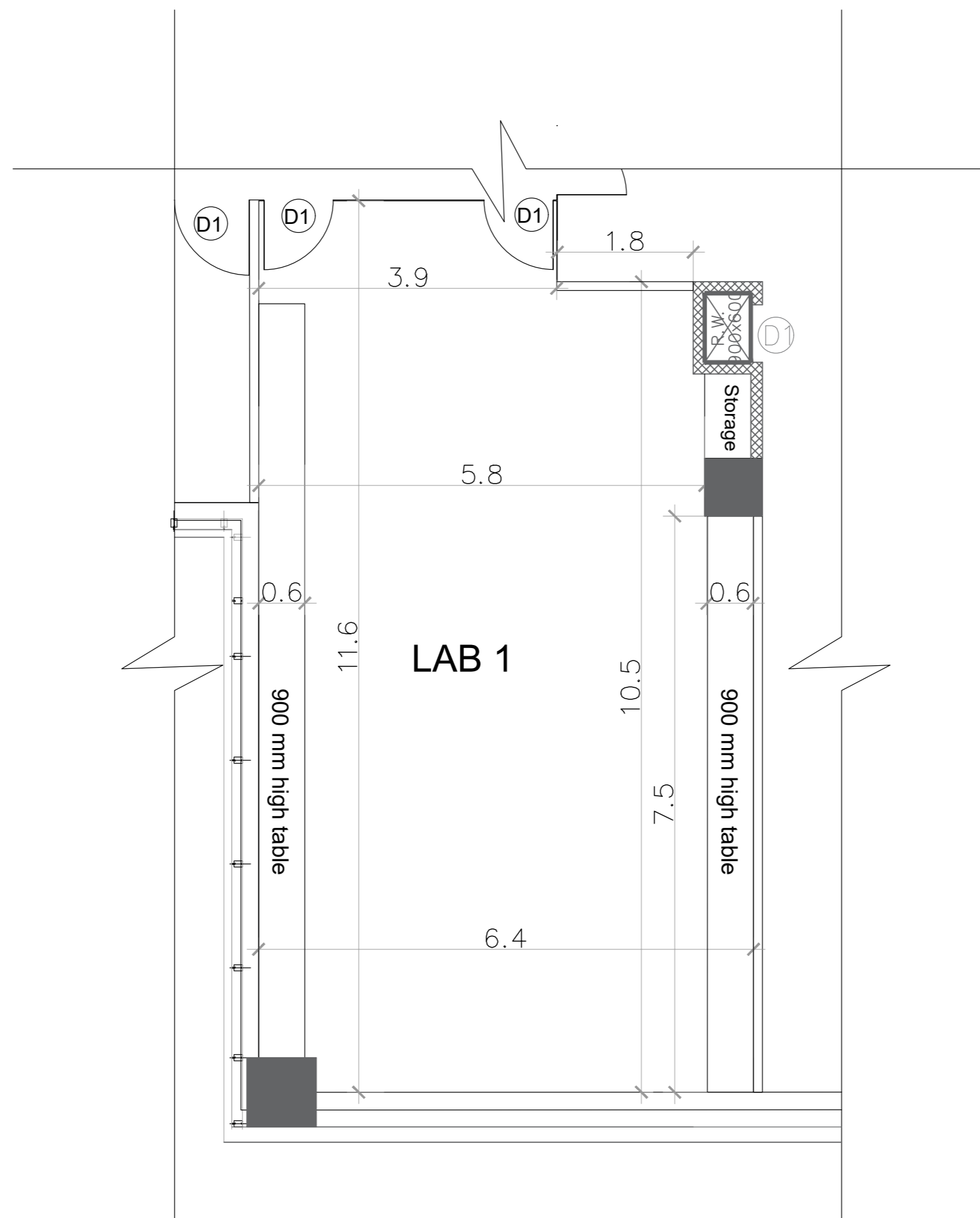
1. DRAWING TO BE READ AND NOT MEASURED.
2. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY CONSTRUCTION.
3. ALL DIMENSIONS ARE IN METRES.

NAME OF DRAWING **ZOOMED-IN PLAN - RECEPTION, CABINS & OPEN OFFICE**

DRAWING NO. AR/102/R18

DATE OF SUBMISSION 29.03.23

NOT TO SCALE



SCHEDULE OF OPENINGS

NOTATION	DESCRIPTION	WIDTH	HEIGHT
D1	Single glass Door	0.9	2.1
D2	Double glass Door	1.5	2.1
SD	Sliding door	1.0	2.1
FD	Fire resistant door	1.5	2.1

APPROVAL

PROJECT
**PROPOSED CENTER FOR RAILWAY RESEARCH
 AT IIT MADRAS RESEARCH PARK**

DRAWING STATUS

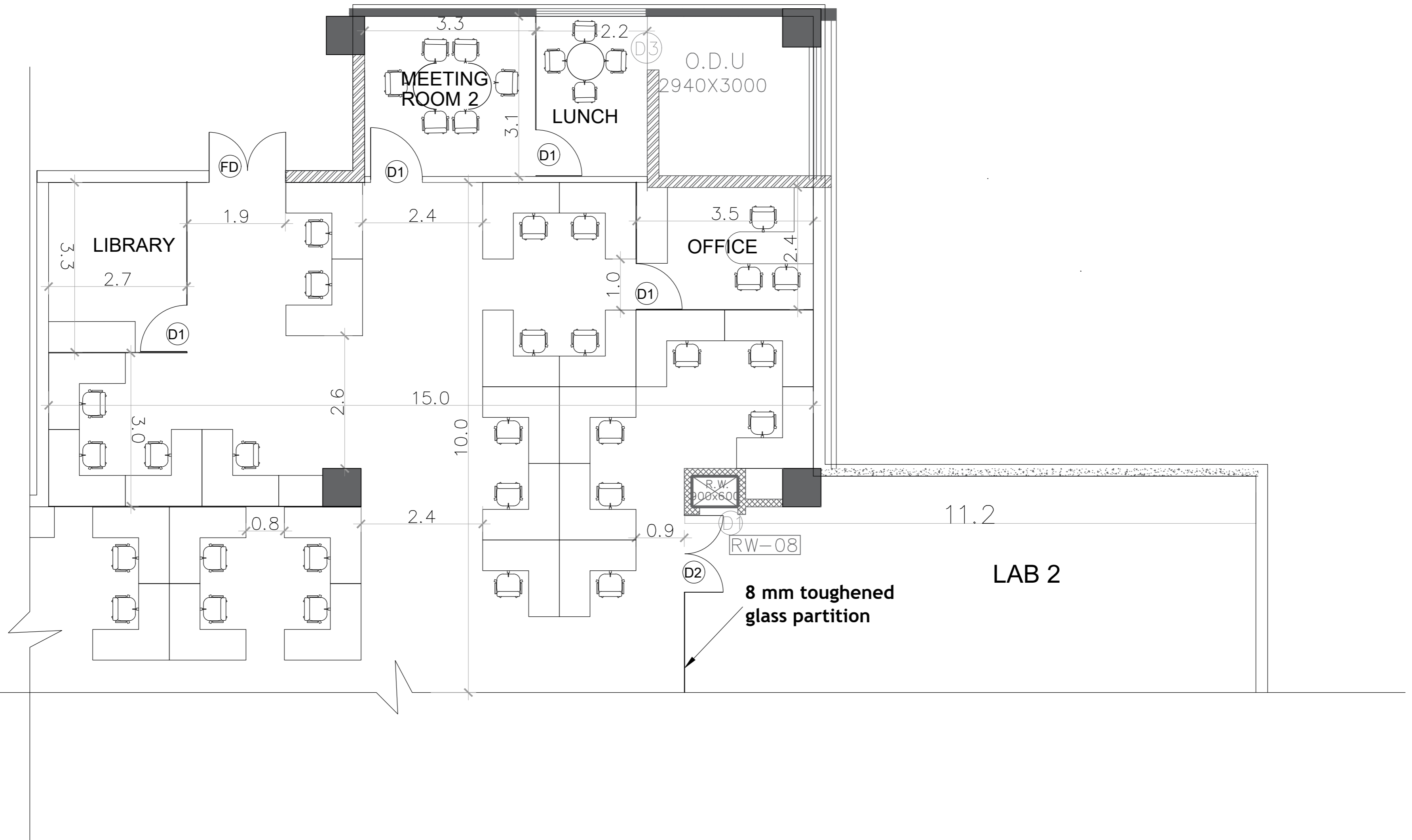
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<input type="checkbox"/> ADVANCE COPY	<input type="checkbox"/> G.F.C.

1. DRAWING TO BE READ AND NOT MEASURED.
2. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY CONSTRUCTION.
3. ALL DIMENSIONS ARE IN METRES.

NAME OF DRAWING **ZOOMED-IN PLAN - LAB 1**

DRAWING NO. AR/103/R16 DATE OF SUBMISSION 29.03.23

NOT TO SCALE



SCHEDULE OF OPENINGS

NOTATION	DESCRIPTION	WIDTH	HEIGHT
D1	Single glass Door	0.9	2.1
D2	Double glass Door	1.5	2.1
SD	Sliding door	1.0	2.1
FD	Fire resistant door	1.5	2.1

APPROVAL

PROJECT
PROPOSED CENTER FOR RAILWAY RESEARCH AT IIT MADRAS RESEARCH PARK

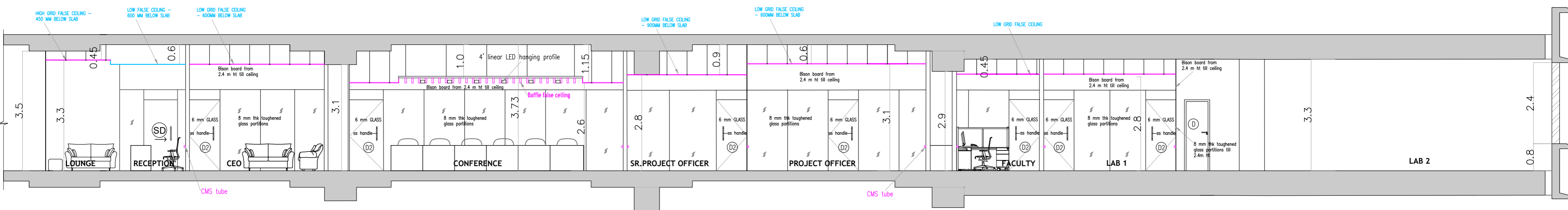
DRAWING STATUS
 SCHEME FOR APPROVAL TENDER DRAWING
 ADVANCE COPY G.F.C.

1. DRAWING TO BE READ AND NOT MEASURED.
2. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY CONSTRUCTION.
3. ALL DIMENSIONS ARE IN METRES.

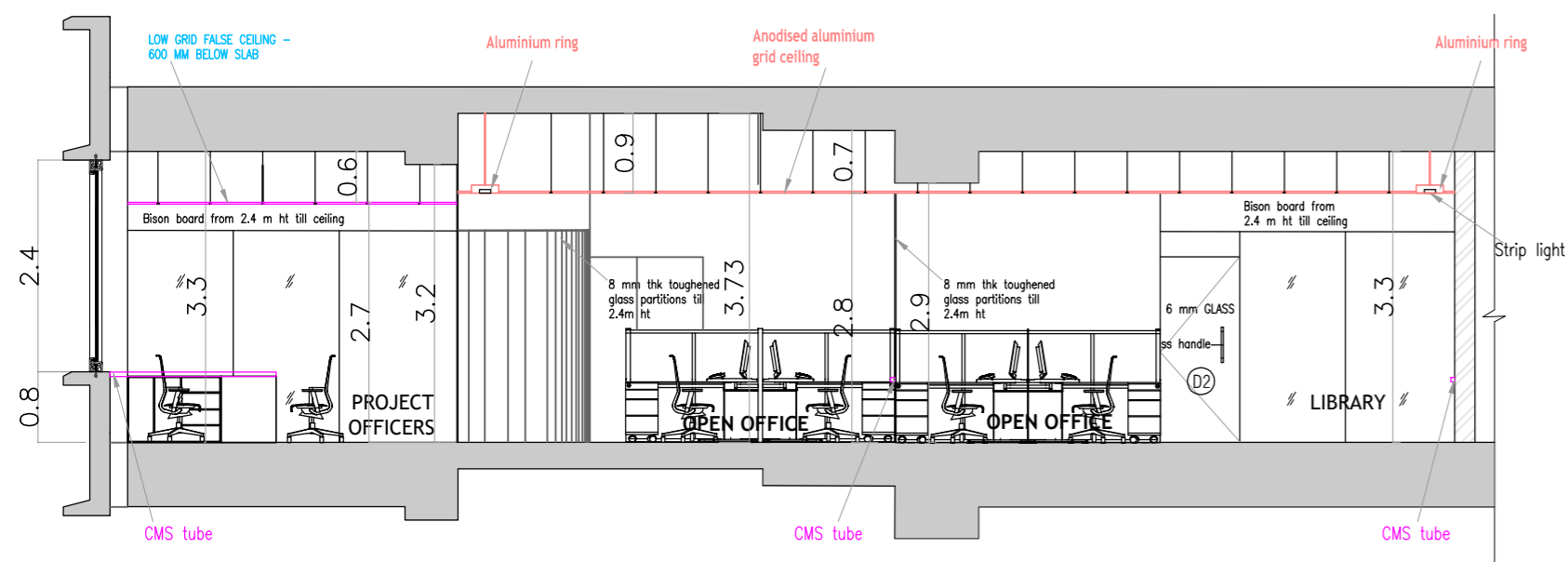
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DRAWING NO. AR/104/R17 DATE OF SUBMISSION 29.03.23

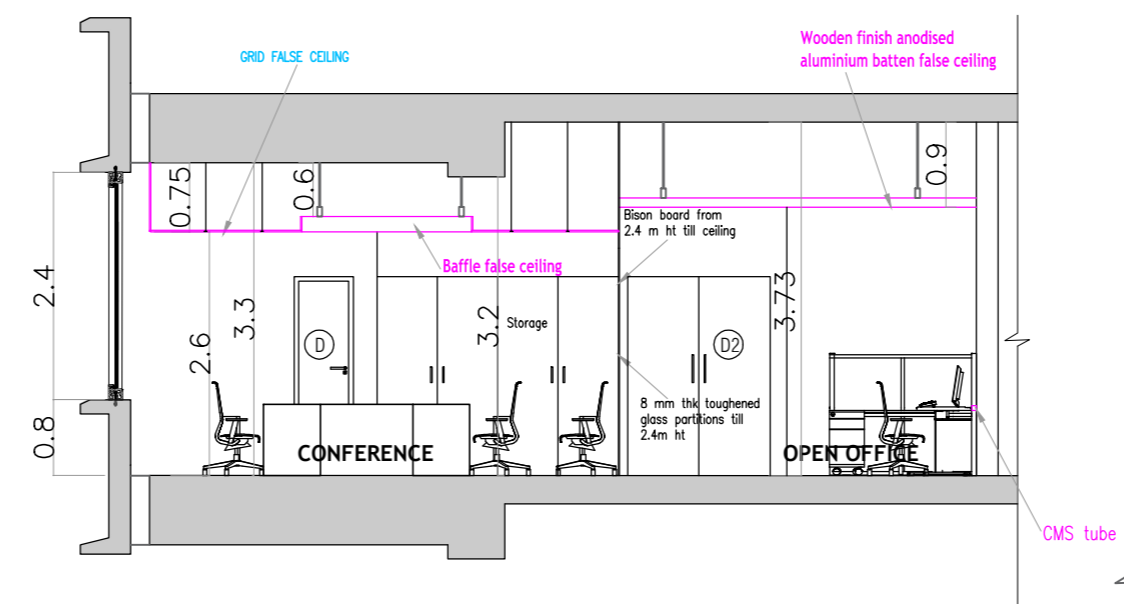
NOT TO SCALE



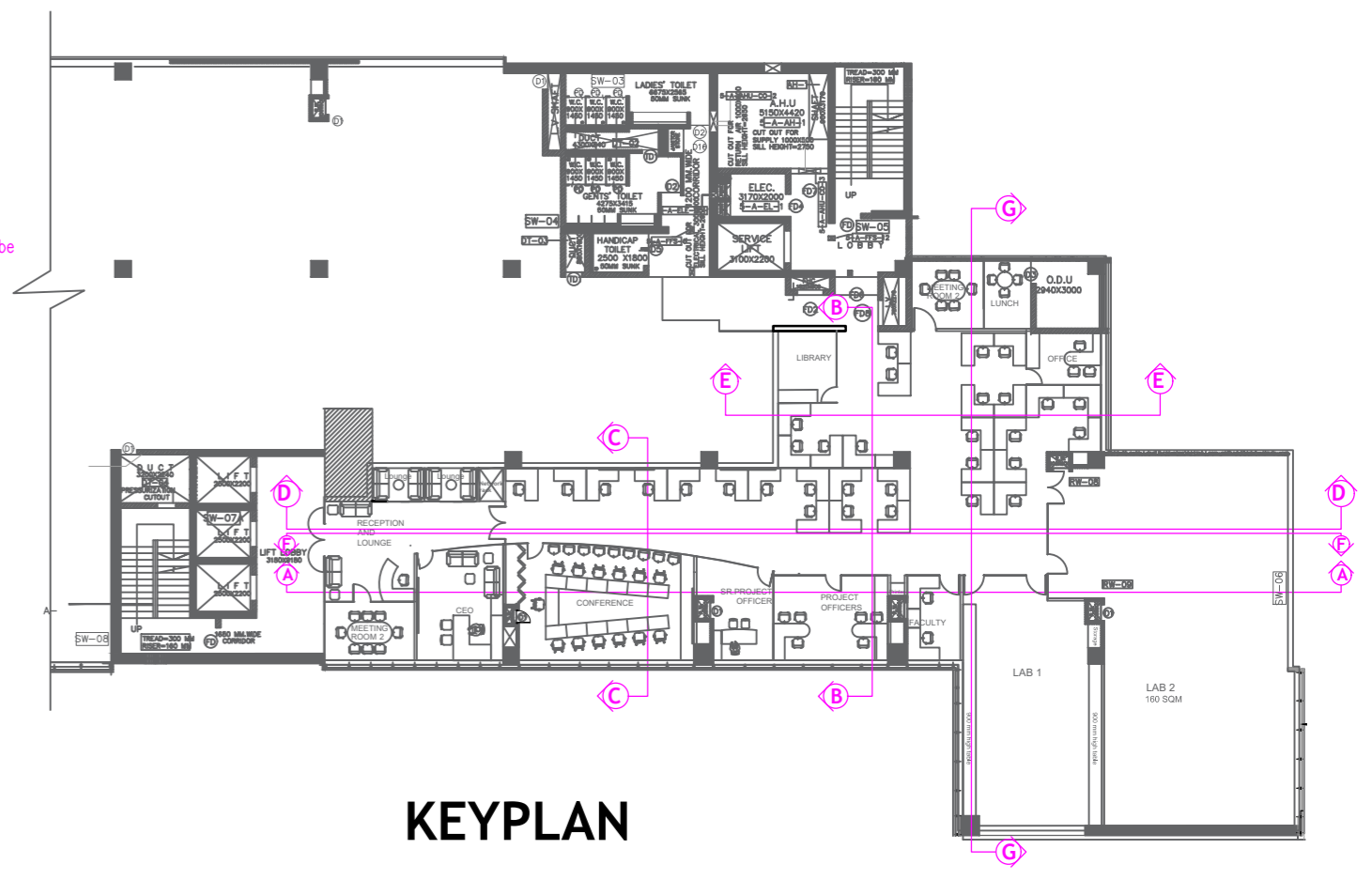
SECTION AA



SECTION BB

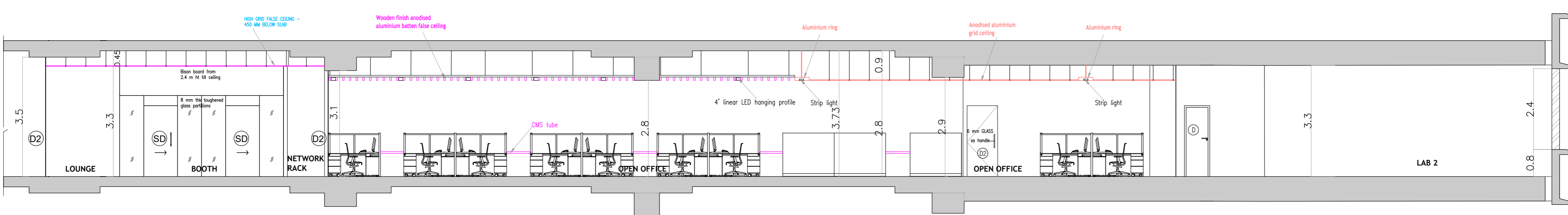


SECTION CC

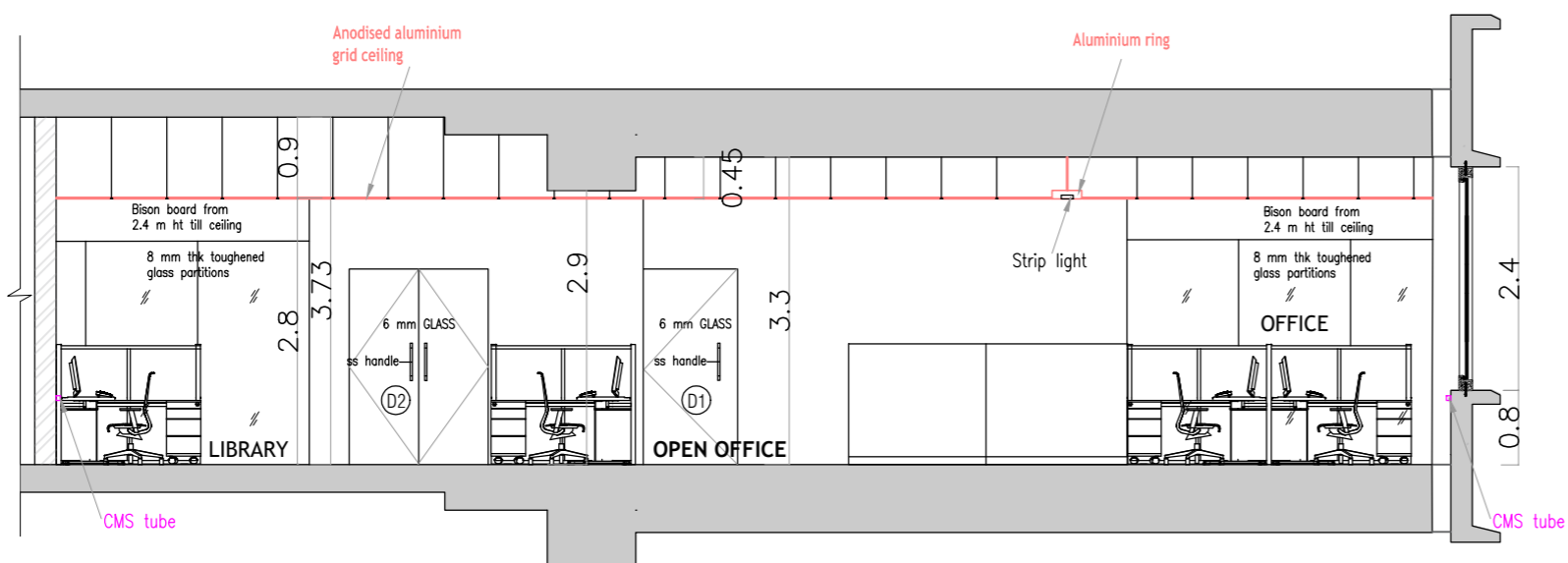


KEYPLAN

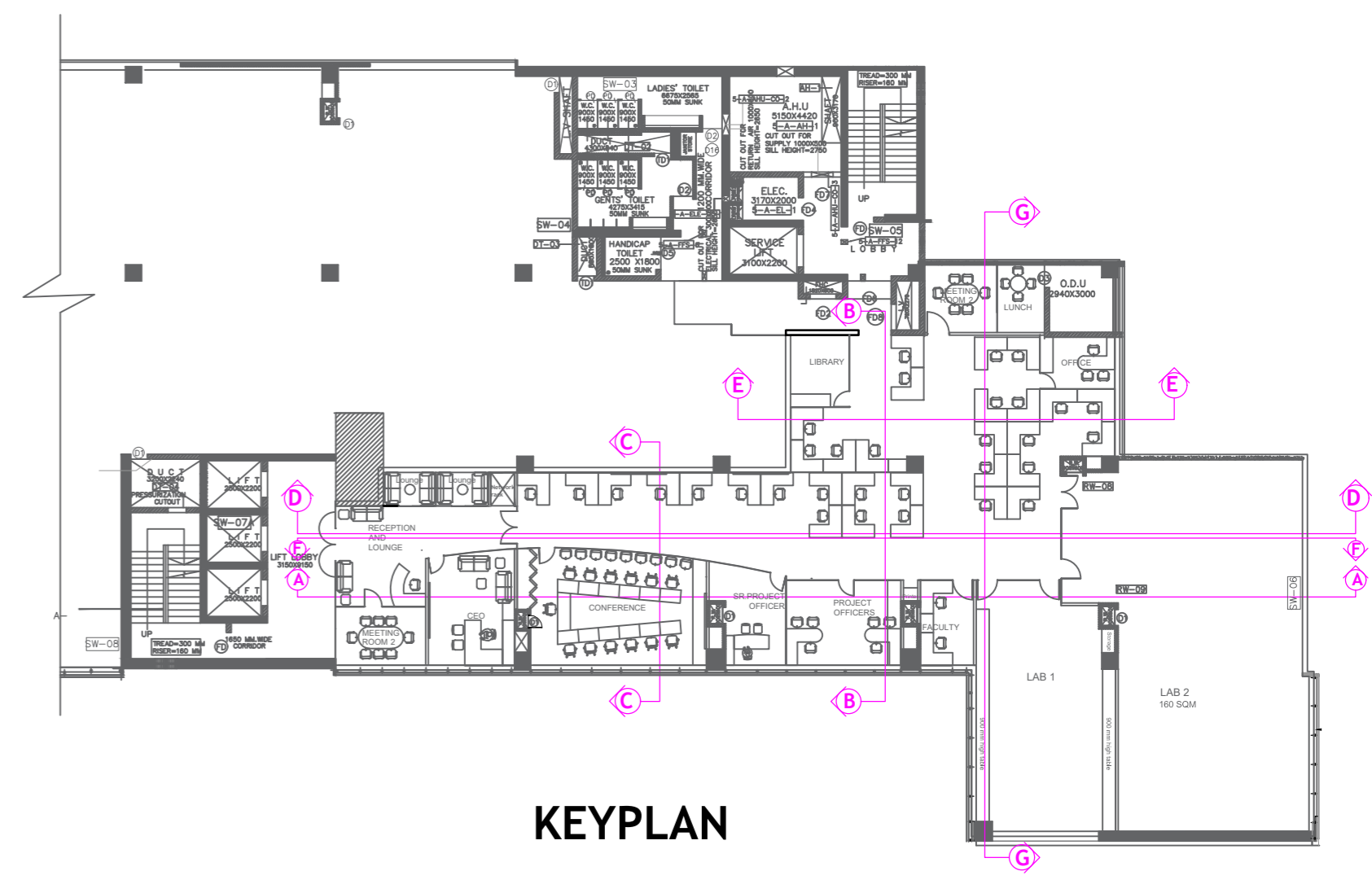
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DRAWING STATUS <input type="checkbox"/> SCHEME FOR APPROVAL <input checked="" type="checkbox"/> TENDER DRAWING <input type="checkbox"/> ADVANCE COPY <input type="checkbox"/> G.F.C.		1. DRAWING TO BE READ AND NOT MEASURED. 2. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY CONSTRUCTION. 3. ALL DIMENSIONS ARE IN METRES.		DRAWING NO. AR/301/R07 DATE OF SUBMISSION 29.03.23 NOT TO SCALE	



SECTION DD

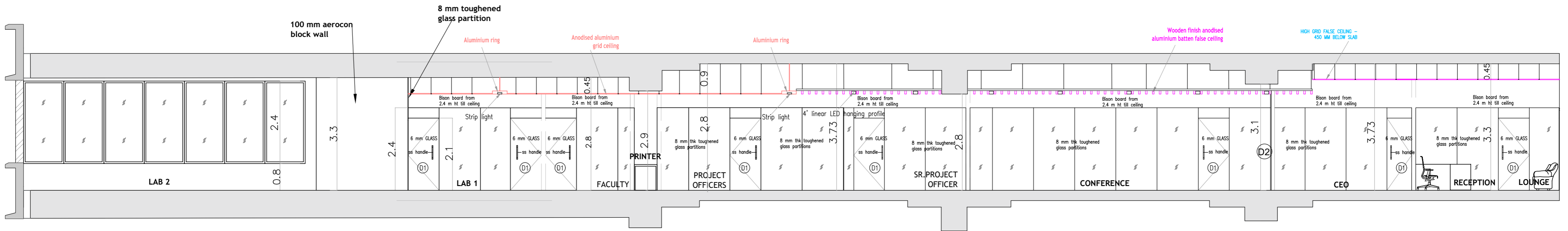


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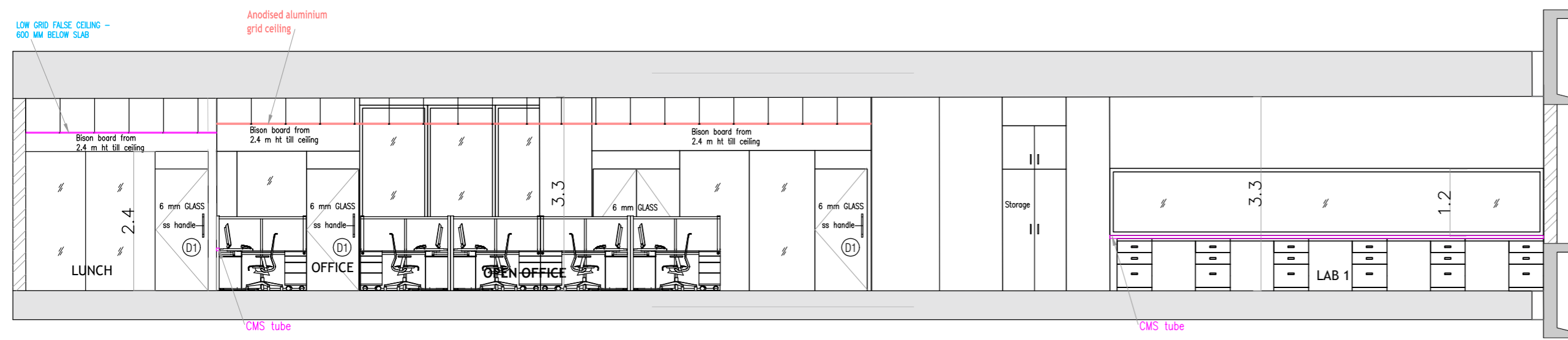


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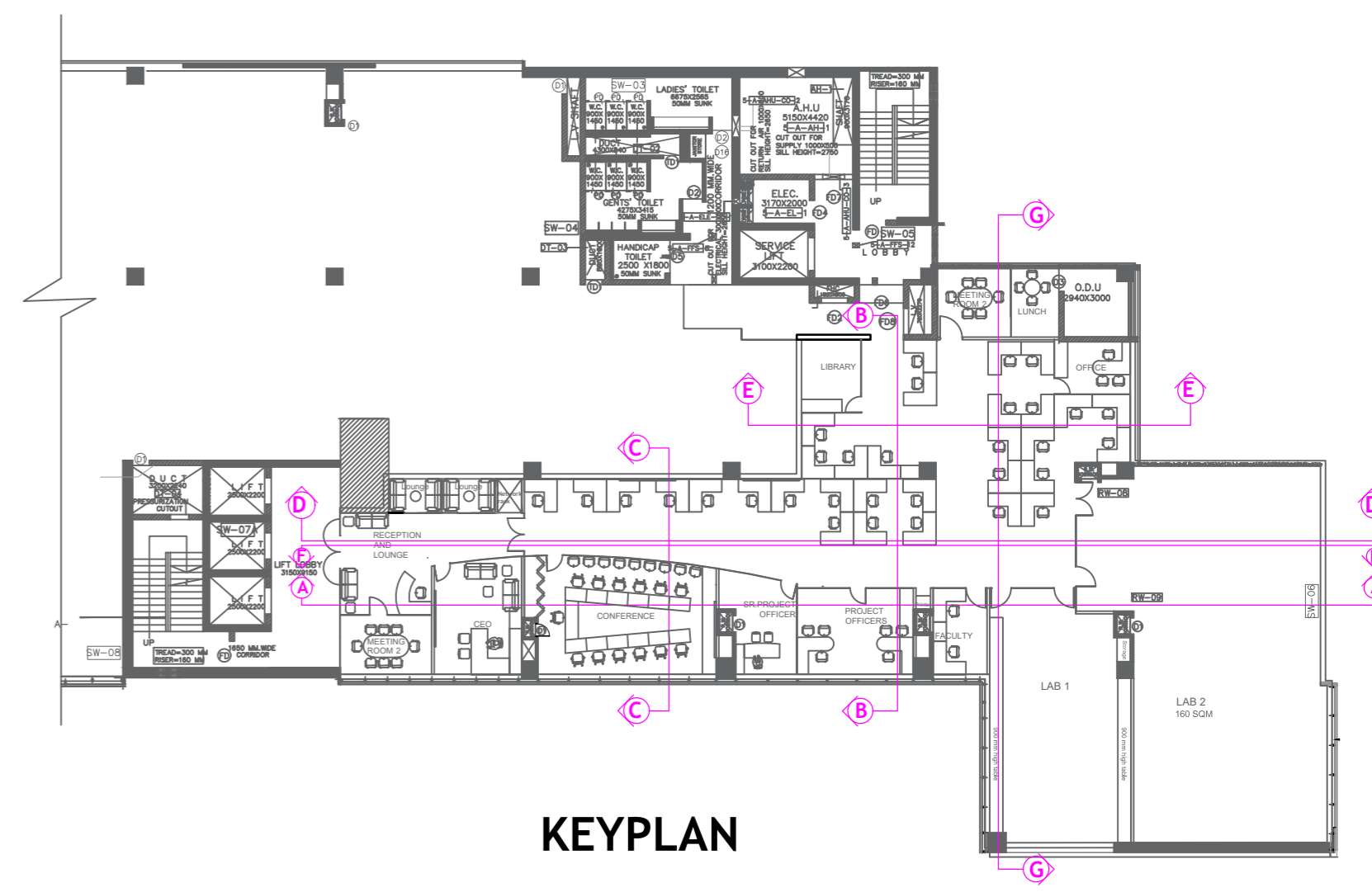
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		PROPOSED CENTER FOR RAILWAY RESEARCH AT IIT MADRAS RESEARCH PARK			
DRAWING STATUS		NAME OF SECTIONS			
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<input type="checkbox"/> ADVANCE COPY	<input type="checkbox"/> G.F.C.				
1. DRAWING TO BE READ AND NOT MEASURED. 2. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY CONSTRUCTION. 3. ALL DIMENSIONS ARE IN METRES.		DRAWING NO. AR/302/R07 DATE OF SUBMISSION 29.03.23		NOT TO SCALE	



SECTION FF



SECTION GG



KEYPLAN

APPROVAL		PROJECT PROPOSED CENTER FOR RAILWAY RESEARCH AT IIT MADRAS RESEARCH PARK		NAME OF SECTIONS	
DRAWING STATUS		1. DRAWING TO BE READ AND NOT MEASURED. 2. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY CONSTRUCTION. 3. ALL DIMENSIONS ARE IN METRES.		DRAWING NO. DATE OF SUBMISSION	
<input type="checkbox"/> SCHEME FOR APPROVAL	<input checked="" type="checkbox"/> TENDER DRAWING			AR/303/R07	29.03.23
<input type="checkbox"/> ADVANCE COPY	<input type="checkbox"/> G.F.C.			NOT TO SCALE	



A Block 5th Floor

APPROVAL

PROJECT
**PROPOSED CENTER FOR RAILWAY RESEARCH
 AT IIT MADRAS RESEARCH PARK**

NAME OF DRAWING **FLOORING LAYOUT**

DRAWING STATUS

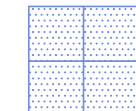

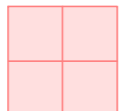







<input type="checkbox"/> SCHEME FOR APPROVAL	<input checked="" type="checkbox"/> TENDER DRAWING
<input type="checkbox"/> ADVANCE COPY	<input type="checkbox"/> G.F.C.

1. DRAWING TO BE READ AND NOT MEASURED.
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DRAWING NO. AR/901/R04	DATE OF SUBMISSION 29.03.23	NOT TO SCALE




A Block 5th Floor

 LOW GRID FALSE CEILING - 600MM BELOW SLAB	 HIGH FALSE CEILING - 450 MM BELOW SLAB	 ANODISED ALUMINIUM GRID CEILING - 600MM BELOW SLAB
 LOW FALSE CEILING - 600MM BELOW SLAB	 CEILING LIGHT	 WOODEN FINISH ANODISED ALUMINIUM BATTEN FALSE CEILING
 STRIP LIGHT	 COVE LIGHTING	 DONUT LIGHT
	 4' LINEAR LED HANGING PROFILE	

APPROVAL	
DRAWING STATUS	
<input type="checkbox"/> SCHEME FOR APPROVAL	<input checked="" type="checkbox"/> TENDER DRAWING
<input type="checkbox"/> ADVANCE COPY	<input type="checkbox"/> G.F.C.

PROJECT
PROPOSED CENTER FOR RAILWAY RESEARCH AT IIT MADRAS RESEARCH PARK
1. DRAWING TO BE READ AND NOT MEASURED.
2. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY CONSTRUCTION.
3. ALL DIMENSIONS ARE IN METRES.

NAME OF DRAWING		FALSE CEILING LAYOUT	
DRAWING NO.	DATE OF SUBMISSION	NOT TO SCALE	
AR/902/R08	29.03.23		



A Block 5th Floor

APPROVAL

PROJECT
**PROPOSED CENTER FOR RAILWAY RESEARCH
 AT IIT MADRAS RESEARCH PARK**

DRAWING STATUS	
<input type="checkbox"/> SCHEME FOR APPROVAL	<input checked="" type="checkbox"/> TENDER DRAWING
<input type="checkbox"/> ADVANCE COPY	<input type="checkbox"/> G.F.C.

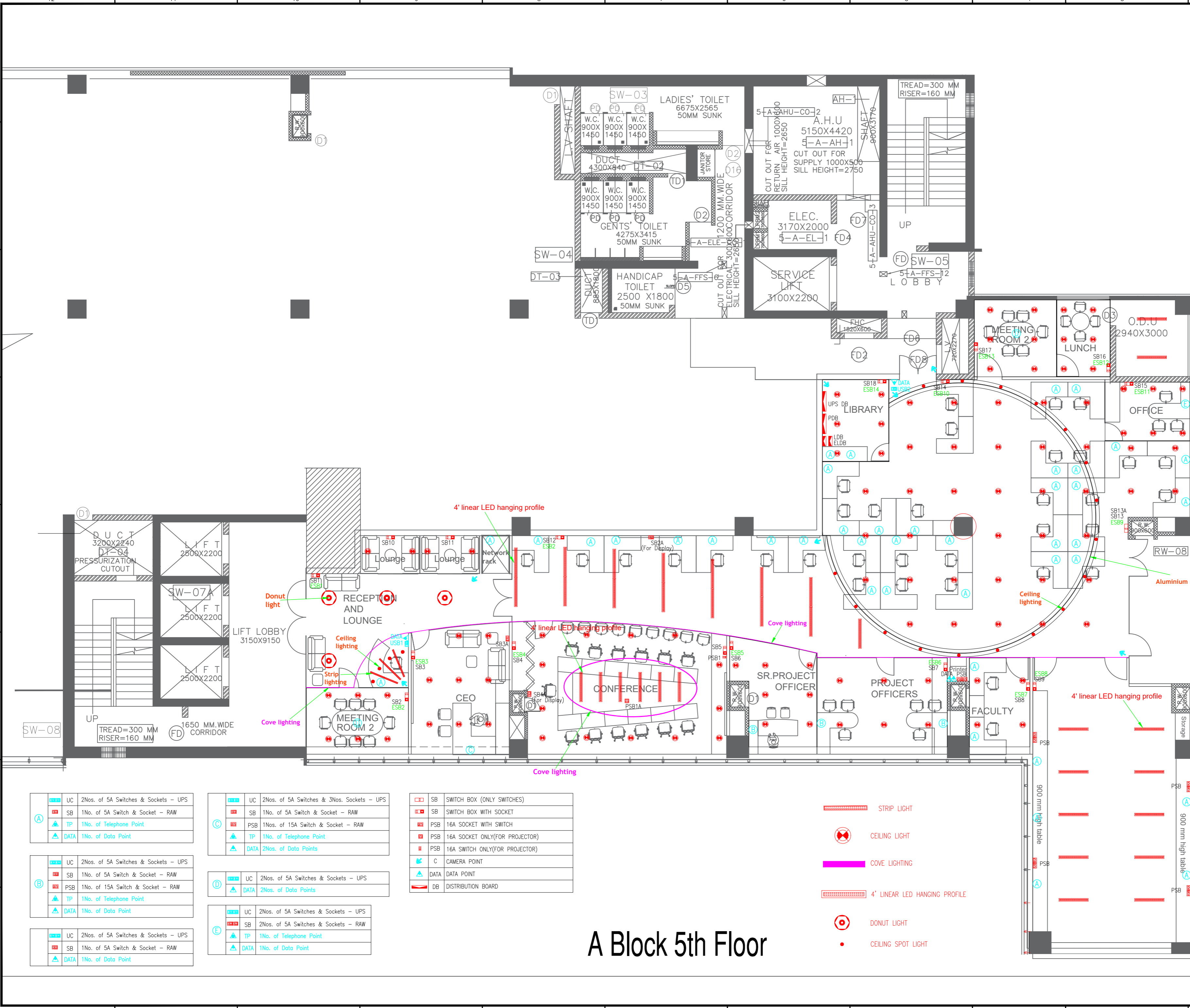
1. DRAWING TO BE READ AND NOT MEASURED.
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NAME OF DRAWING		CMS TUBE AND FLOOR BOX LAYOUT		
DRAWING NO.	DATE OF SUBMISSION			

AR/903/R03 29.03.23

NOT TO SCALE

RO	10.03.2023	ISSUED DRAWING	T.N	K.B
NO.	DATE	REMARKS	DRAWN	APPD.
REVISIONS				
CLIENT :	PROPOSED CENTER FOR RAILWAY RESEARCH AT IIT MADRAS RESEARCH PARK			
TITLE :	ELECTRICAL FITTING LAYOUT			
FLOOR :	A BLOCK - 5TH FLOOR			
DWG. NO.	AURO - P.357-06 -73 - EWD - 001 - R0			
DRAWN: T.N	DEALT: P.S	CHECKED: K.B		
DATE OF ISSUE: 10.03.2022			SHEET SIZE : A3	



(A)	UC	2Nos. of 5A Switches & Sockets - UPS
(A)	SB	1No. of 5A Switch & Socket - RAW
(A)	TP	1No. of Telephone Point
(A)	DATA	1No. of Data Point

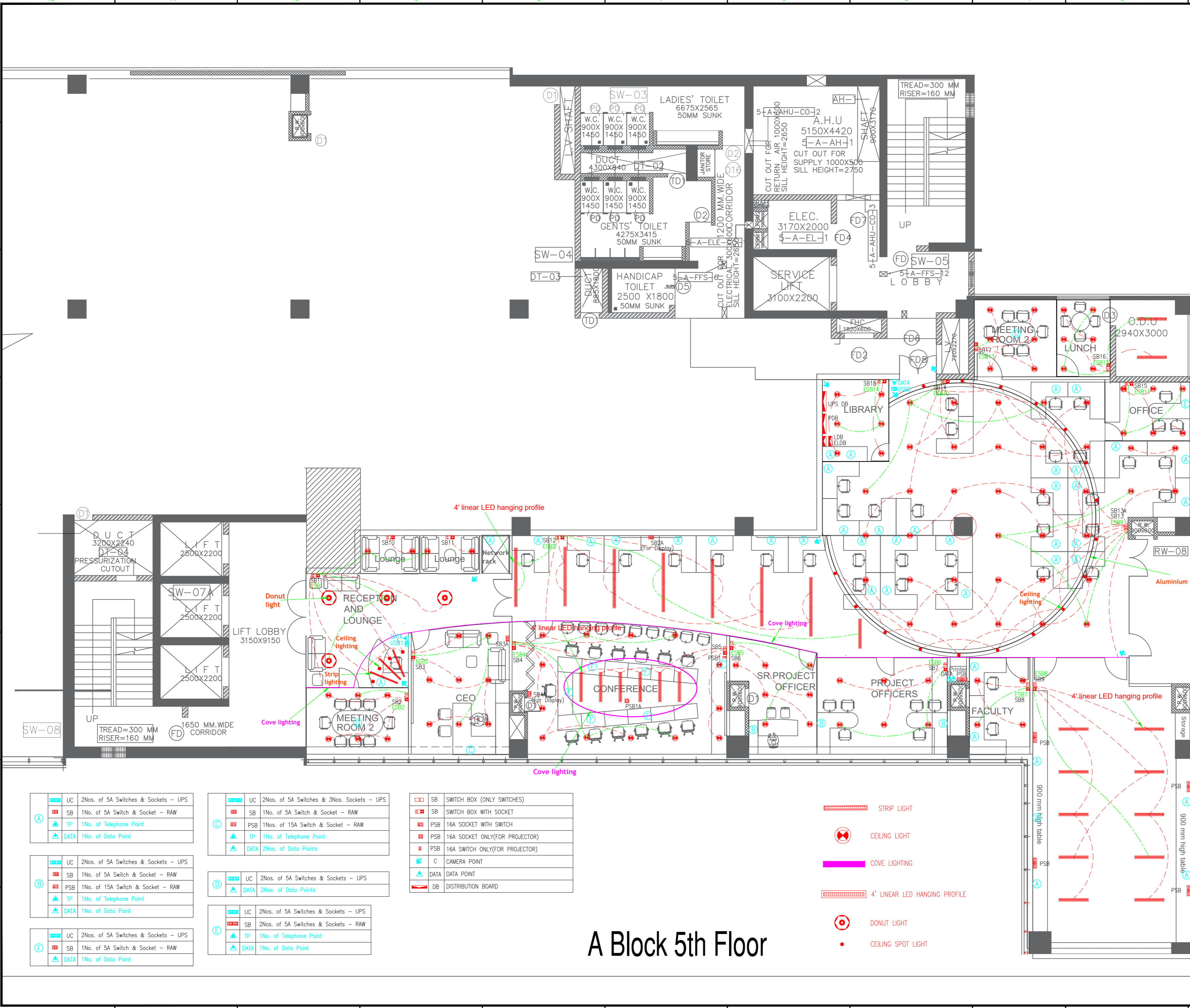
(C)	UC	2Nos. of 5A Switches & 3Nos. Sockets - UPS
(C)	SB	1No. of 5A Switch & Socket - RAW
(C)	PSB	1Nos. of 15A Switch & Socket - RAW
(C)	TP	1No. of Telephone Point
(C)	DATA	2Nos. of Data Points

(S)	SB	SWITCH BOX (ONLY SWITCHES)
(S)	SB	SWITCH BOX WITH SOCKET
(S)	PSB	16A SOCKET WITH SWITCH
(S)	PSB	16A SOCKET ONLY(FOR PROJECTOR)
(S)	PSB	16A SWITCH ONLY(FOR PROJECTOR)
(C)	C	CAMERA POINT
(D)	DATA	DATA POINT
(D)	DB	DISTRIBUTION BOARD

(Strip)	STRIP LIGHT
(Circle with X)	CEILING LIGHT
(Pink line)	COVE LIGHTING
(Red dashed line)	4' LINEAR LED HANGING PROFILE
(Circle with dot)	DONUT LIGHT
(Red dot)	CEILING SPOT LIGHT

A Block 5th Floor

RO	10.03.2023	ISSUED DRAWING	T.N	K.B
NO.	DATE	REMARKS	DRAWN	APPD.
REVISIONS				
CLIENT :	PROPOSED CENTER FOR RAILWAY RESEARCH AT IIT MADRAS RESEARCH PARK			
TITLE :	ELECTRICAL CONTROL LAYOUT			
FLOOR :	A BLOCK - 5TH FLOOR			
DWG. NO.	AURO - P.357-06 -73 - EWD - 002 - R0			
DRAWN: T.N	DEALT: P.S	CHECKED: K.B		
DATE OF ISSUE: 10.03.2022			SHEET SIZE : A3	

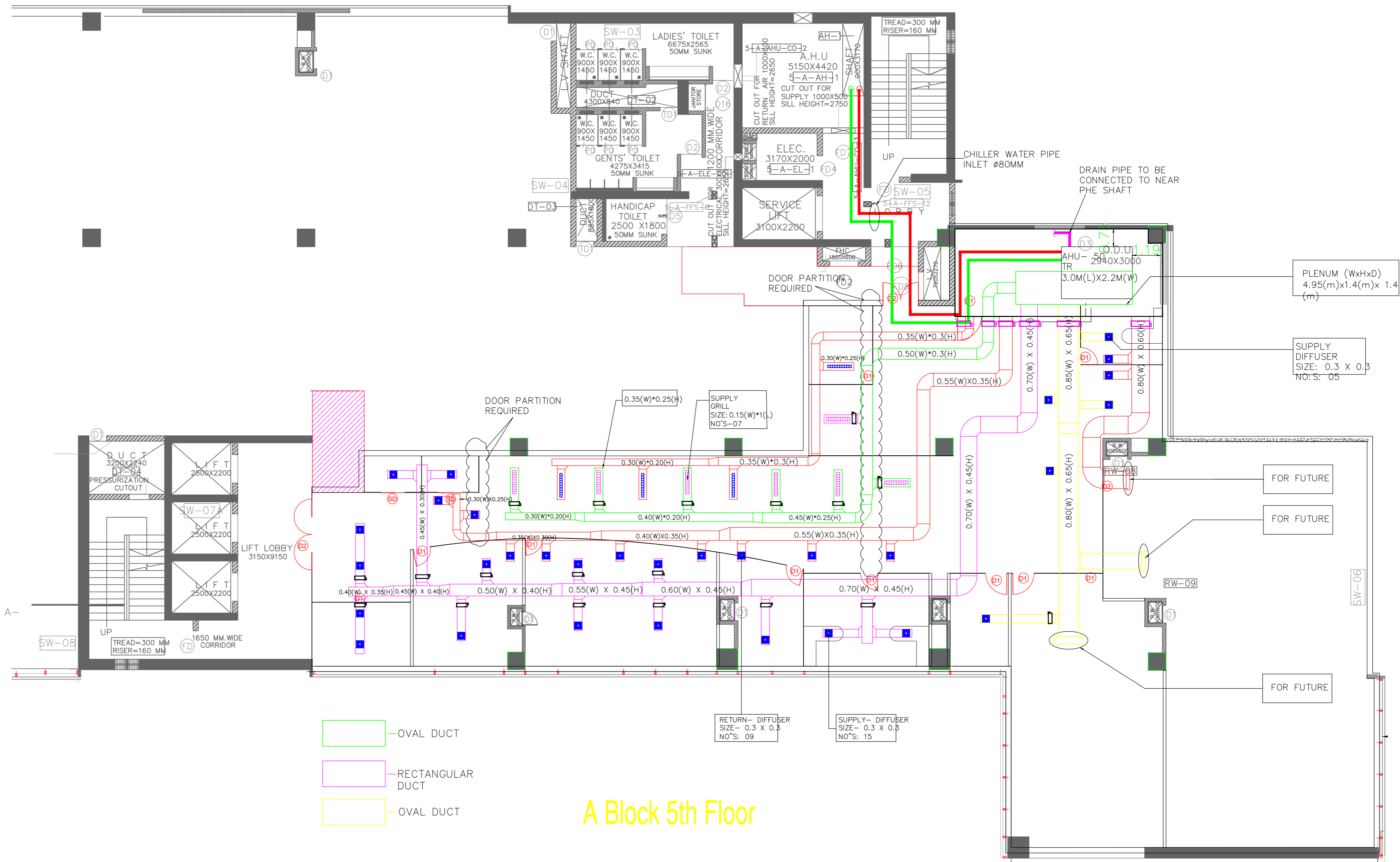


(A)	UC	2Nos. of 5A Switches & Sockets - UPS
(A)	SB	1No. of 5A Switch & Socket - RAW
(A)	TP	1No. of Telephone Point
(A)	DATA	1No. of Data Point
(B)	UC	2Nos. of 5A Switches & Sockets - UPS
(B)	SB	1No. of 5A Switch & Socket - RAW
(B)	PSB	1No. of 15A Switch & Socket - RAW
(B)	TP	1No. of Telephone Point
(B)	DATA	1No. of Data Point
(F)	UC	2Nos. of 5A Switches & Sockets - UPS
(F)	SB	1No. of 5A Switch & Socket - RAW
(F)	DATA	1No. of Data Point
(C)	UC	2Nos. of 5A Switches & 3Nos. Sockets - UPS
(C)	SB	1No. of 5A Switch & Socket - RAW
(C)	PSB	1Nos. of 15A Switch & Socket - RAW
(C)	TP	1No. of Telephone Point
(C)	DATA	2Nos. of Data Points
(D)	UC	2Nos. of 5A Switches & Sockets - UPS
(D)	DATA	2Nos. of Data Points
(E)	UC	2Nos. of 5A Switches & Sockets - UPS
(E)	SB	2Nos. of 5A Switches & Sockets - RAW
(E)	TP	1No. of Telephone Point
(E)	DATA	1No. of Data Point

(S)	SB	SWITCH BOX (ONLY SWITCHES)
(S)	SB	SWITCH BOX WITH SOCKET
(S)	PSB	16A SOCKET WITH SWITCH
(S)	PSB	16A SOCKET ONLY(FOR PROJECTOR)
(S)	PSB	16A SWITCH ONLY(FOR PROJECTOR)
(S)	C	CAMERA POINT
(S)	DATA	DATA POINT
(S)	DB	DISTRIBUTION BOARD

(S)	STRIP LIGHT
(S)	CEILING LIGHT
(S)	COVE LIGHTING
(S)	4" LINEAR LED HANGING PROFILE
(S)	DONUT LIGHT
(S)	CEILING SPOT LIGHT

A Block 5th Floor



- OVAL DUCT
- RECTANGULAR DUCT
- OVAL DUCT

A Block 5th Floor

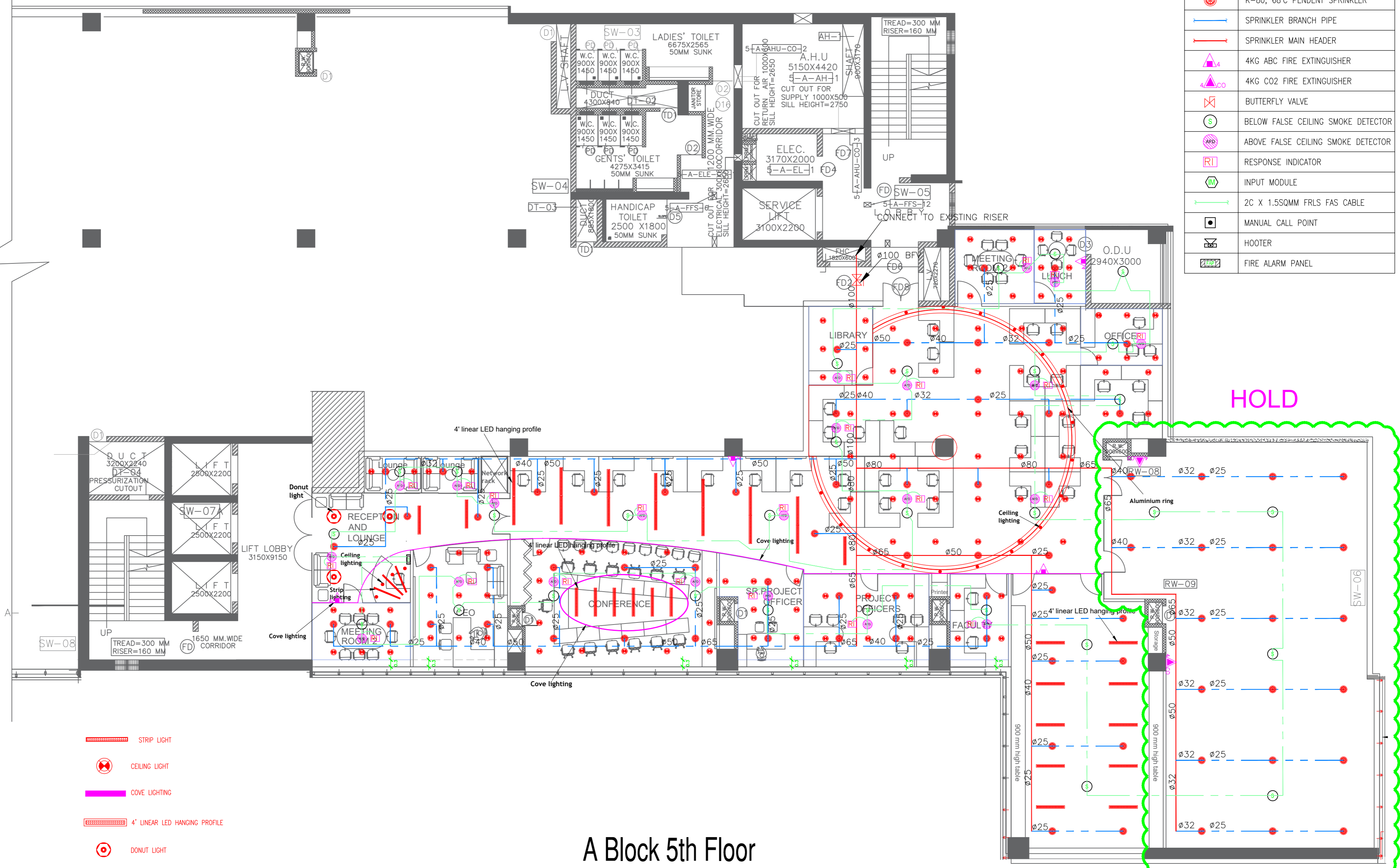
DRAWN : M.P DEALT : K.B
 DATE : 29/03/2023 CHECKED : R.N.S
 SCALE : NTS SHEET SIZE : A1
 DRAWING NO.: AA/CRR/AC/001-R0

PROPOSED CENTER FOR
RAILWAY RESEARCH

TITLE:
HVAC FOR CHILLER SYSTEM
LAYOUT

FIRE LEGENDS:-

SYMBOL	DESCRIPTION
	K-80, 68°C PENDENT SPRINKLER
	SPRINKLER BRANCH PIPE
	SPRINKLER MAIN HEADER
	4KG ABC FIRE EXTINGUISHER
	4KG CO2 FIRE EXTINGUISHER
	BELOW FALSE CEILING SMOKE DETECTOR
	ABOVE FALSE CEILING SMOKE DETECTOR
	RESPONSE INDICATOR
	INPUT MODULE
	2C X 1.5SQMM FRLS FAS CABLE
	MANUAL CALL POINT
	HOOTER
	FIRE ALARM PANEL



A Block 5th Floor

NO.	DATE	REVISIONS	BY	APPD.
RO	07.03.2023	FOR APPROVAL	P.K	K.B

CLIENT :
PROPOSED CENTER FOR RAILWAY RESEARCH

DRAWN : P.K
DEALT : K.B
DATE : 07/03/2023
CHECKED : R.N.S
SCALE : NTS
SHEET SIZE : A1
DRAWING NO.: AA/CRR/FPS/001-R0
TITLE:
FIRE PROTECTION SYSTEM LAYOUT

