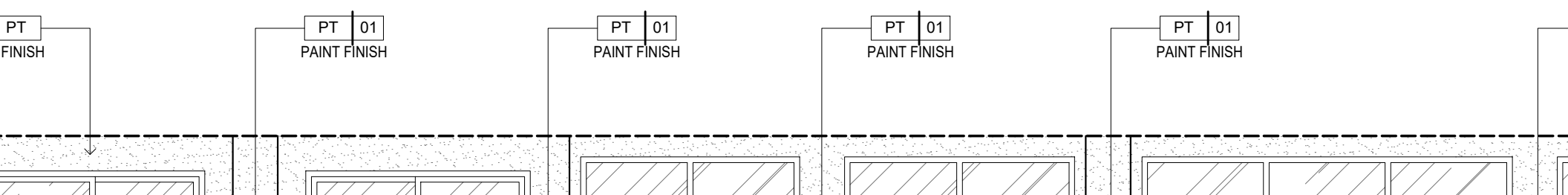
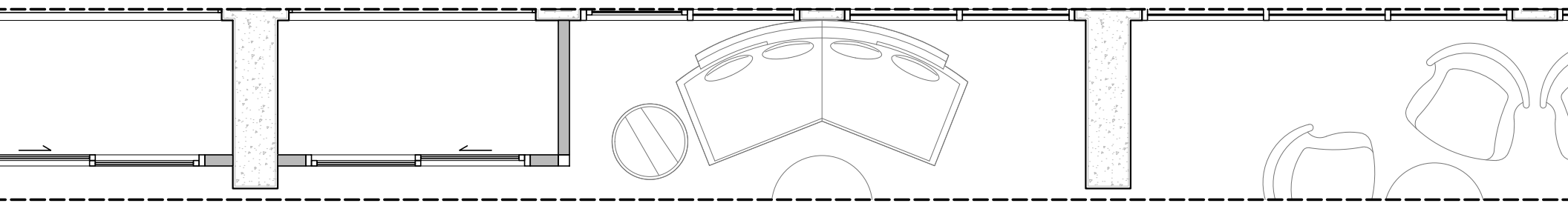


MT 01
50MM.THK. SKIRTING
ALUMINIUM BY SPECLIST

MT 01
50MM.THK. SKIRTING
ALUMINIUM BY SPECLIST

MT 01
50MM.THK. SKIRTING
ALUMINIUM BY SP



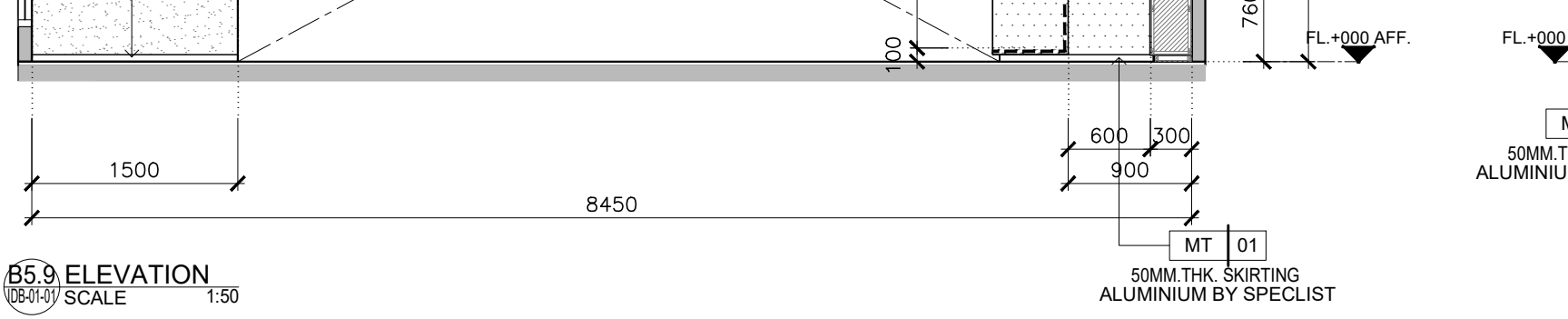
PT
FINISH

PT 01
PAINT FINISH

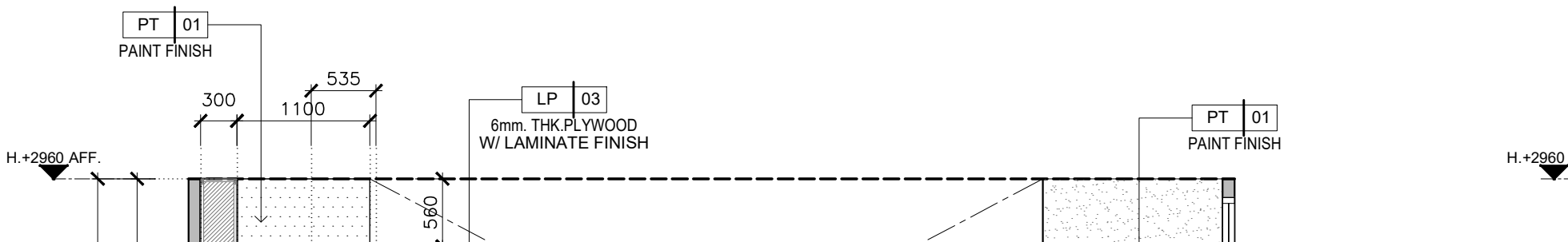
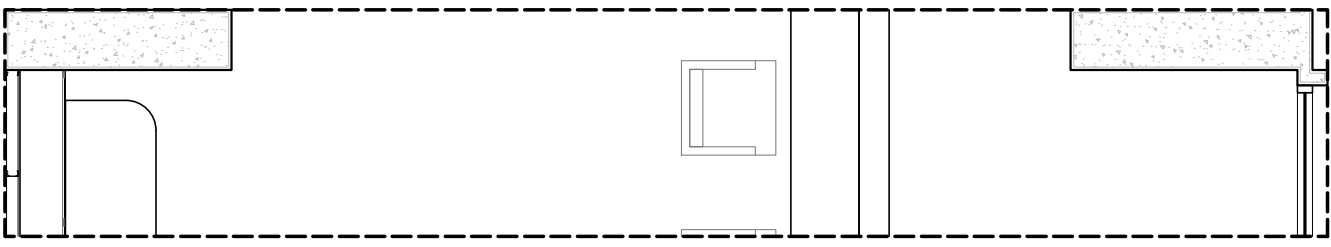
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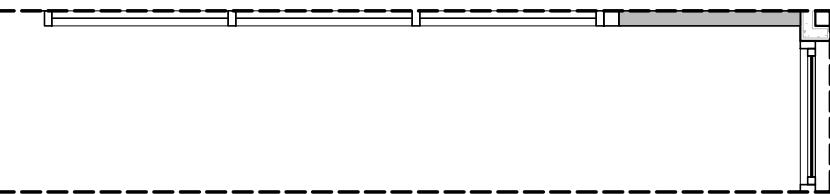
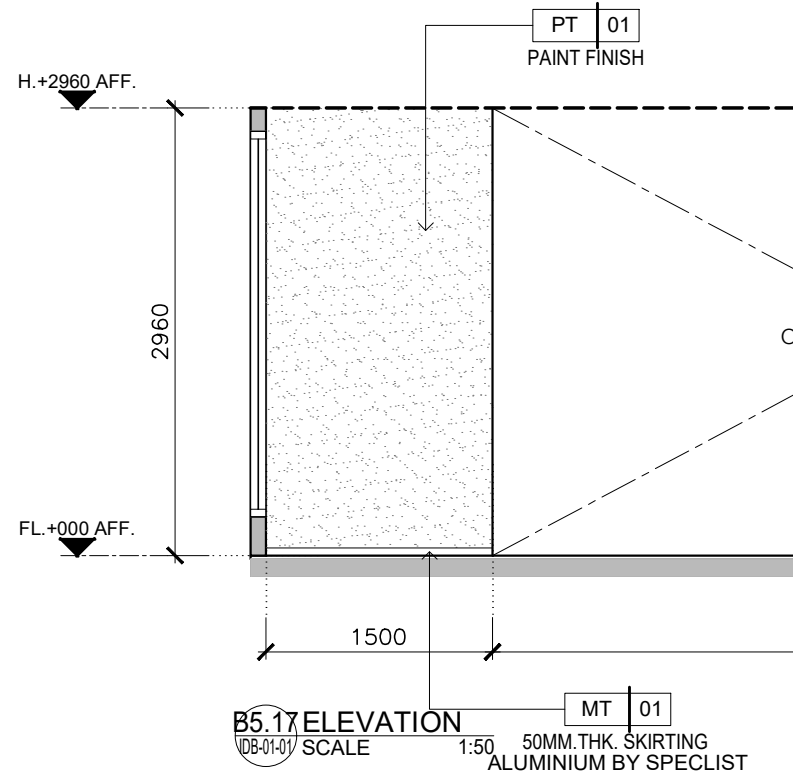
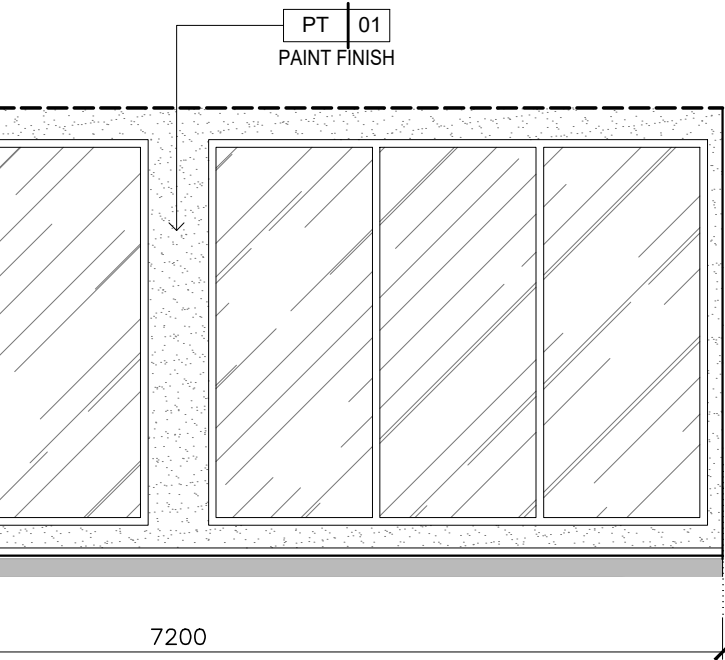
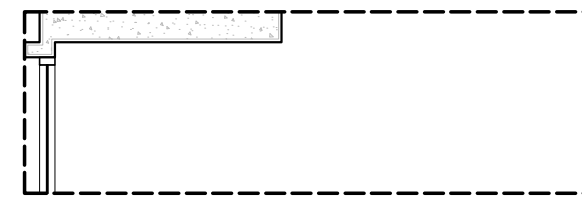
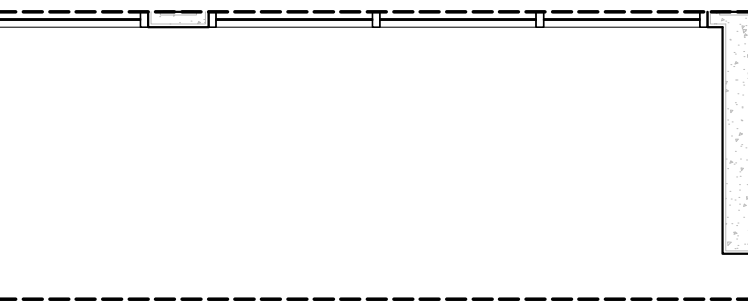
PT 01
PAINT FINISH

PT 01
PAINT FINISH



B5.9 ELEVATION
 DB-01-01 SCALE 1:50





H.+2960 AFF.

H.+2400 AFF.

LIGHT

LP 03

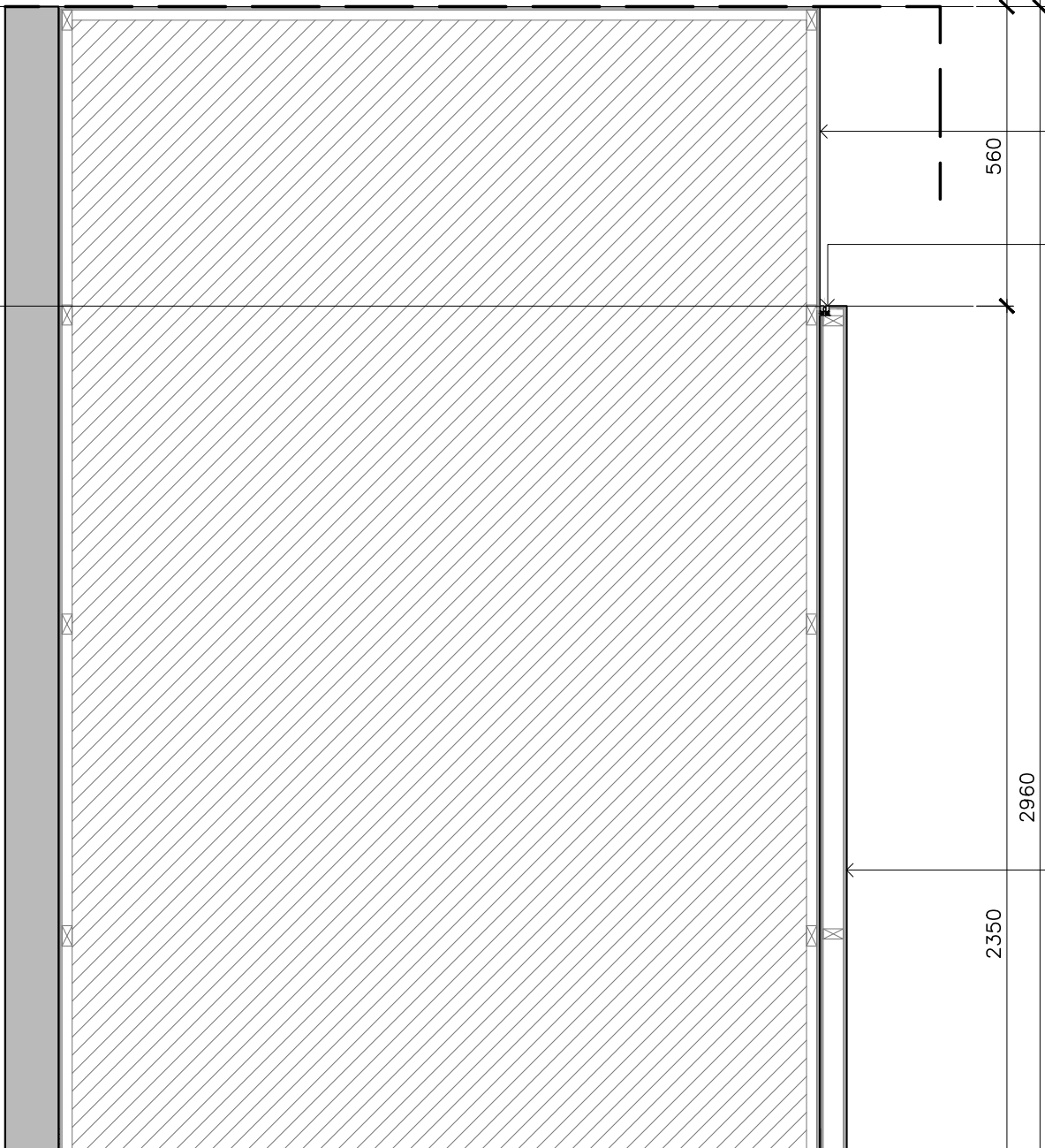
6mm. THK.PLYWOOD
W/ LAMINATE FINISH

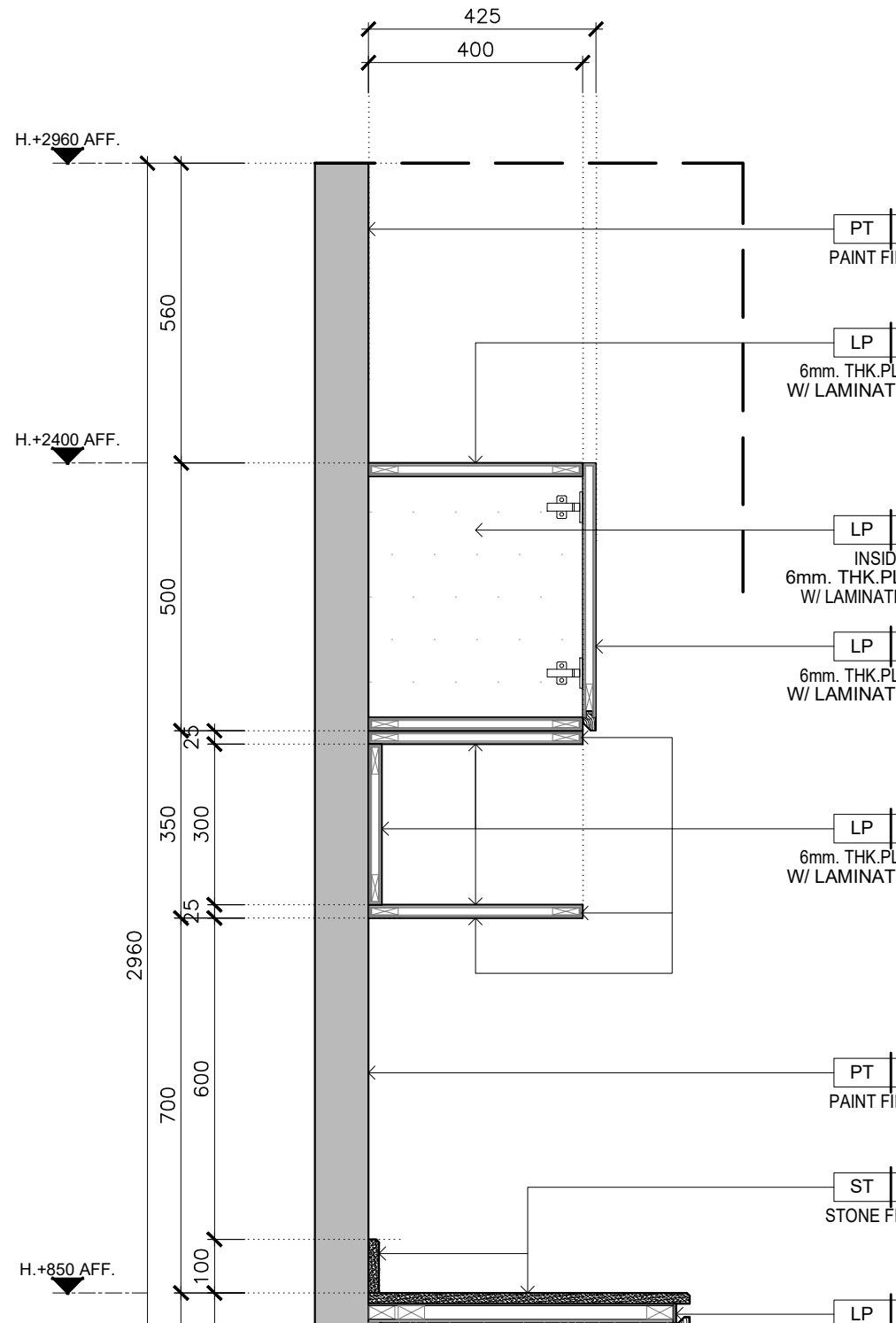
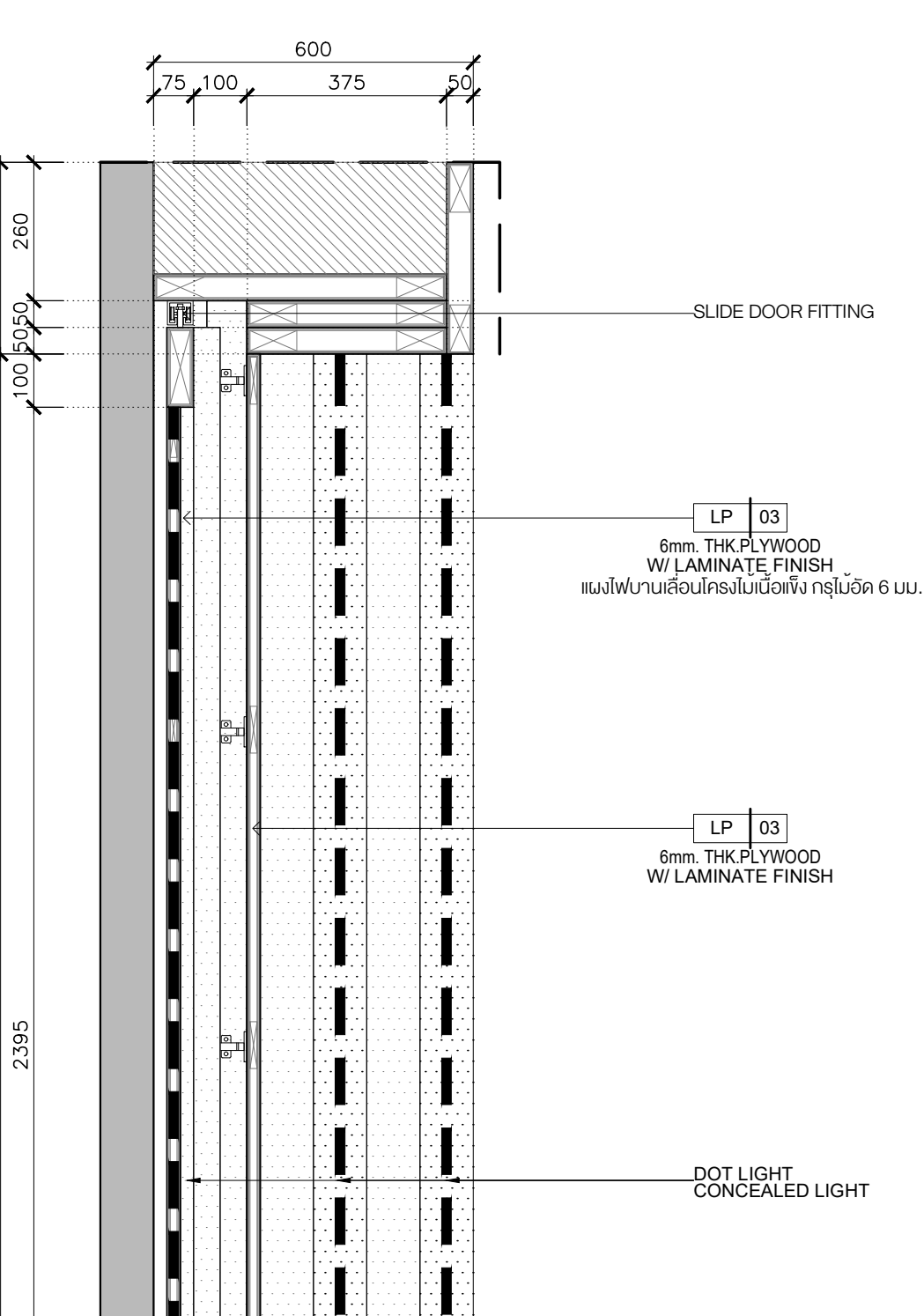
DOT LIGHT CONCEALED LIGHT

LP 05

6mm. THK.PLYWOOD
W/ LAMINATE FINISH

LP 03





AR-06

AIR CONDITIONING & VENTILATION
แบบงานระบบปรับอากาศ และระบบ

ST-00

COMMUNICATION SYSTEM AND
แบบงานระบบสื่อสารและระบบโสต

EE-19

INTERIOR
แบบสถาปัตยกรรมภายใน

































SN-06

LANDSCAPE
แบบภูมิสถาปัตยกรรม

GRD	GROUND CONDUCTOR
H.V.	HIGH VOLTAGE
EC	EMPTY CONDUIT
EXP	EXPLOSION PROOF
ELCB	EARTH LEAK CIRCUIT BREAKER
E.M.T.	ELECTRICAL METALLIC TUBING
E.M.C.	INTERMEDIATE METAL CONDUIT
R.S.C	RIGID STEEL CONDUIT
HDPE	HIGH DENSITY POLYETHYLENE
KV	KILOVOLTS
KVA	KILOVOLTS AMPERE
KW	KILOWATT
MDB	MAIN DISTRIBUTION BOARD
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION
INIC	NOT IN CONTRACT
PP	PANEL BOARD PHOTO SWITCH
RCBO	RESIDUAL CURRENT DEVICE
R SW	SWITCH
SB	SWITCH BOX
CB BOX	CIRCUIT BREAKER BOX
SPEC	SPECIFICATION
R TRANS	TRANSFORMER
UL	UNDERWRITERS LABORATORIES
V	VOLT
W	WATT
WP	WATHER PROOF

ขนาดสายเมนเข้าอาคาร (ตัวนำทองแดง)	ขนาดต่ำสุดของสายต่อหลักดิน (ตัวนำทองแดง)
ไม่เกิน 35 ตารางมิลลิเมตร	10 ตารางมิลลิเมตร
เกิน 35 แต่ไม่เกิน 50 ตารางมิลลิเมตร	16 ตารางมิลลิเมตร
เกิน 50 แต่ไม่เกิน 95 ตารางมิลลิเมตร	25 ตารางมิลลิเมตร
เกิน 95 แต่ไม่เกิน 185 ตารางมิลลิเมตร	35 ตารางมิลลิเมตร
เกิน 185 แต่ไม่เกิน 300 ตารางมิลลิเมตร	50 ตารางมิลลิเมตร
เกิน 300 แต่ไม่เกิน 500 ตารางมิลลิเมตร	70 ตารางมิลลิเมตร
เกิน 500 ตารางมิลลิเมตร	95 ตารางมิลลิเมตร

แสดงจำนวนสายไฟสูงสุดในท่อร้อยสายไฟฟ้า มอก. 11-2553 รหัสชนิด NYY (แกนเดี่ยว) อุณหภูมิ

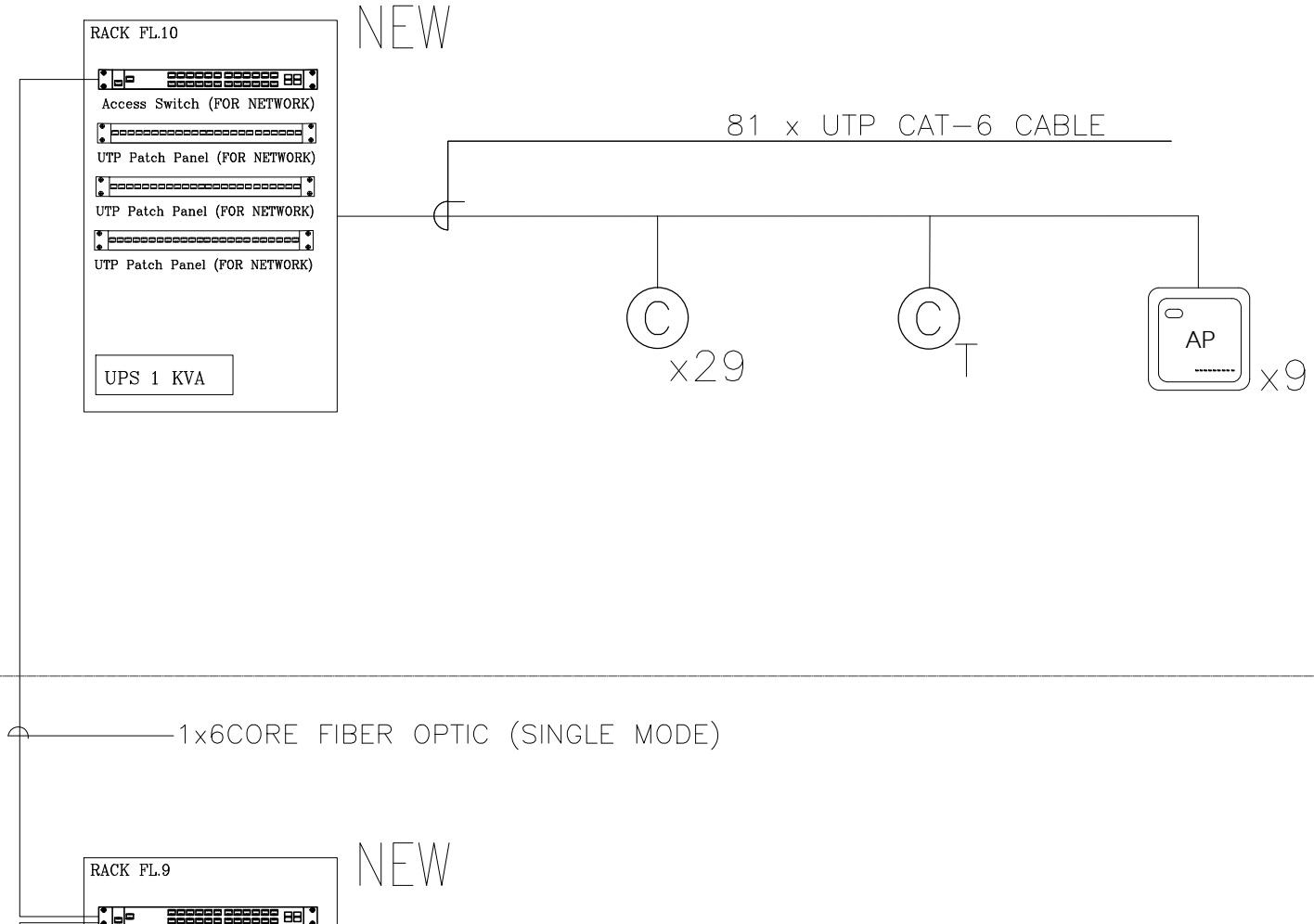
	3-PHASE OVERCURRENT RELAY
	PHASE SEQUENCE RELAY
	KILOWATT METER OR WATT METER
	AMMETER
	VOLTMETER
	POWER FACTOR METER
	FREQUENCY METER
	REACTIVE POWER REGULATOR
	KILOWATT-HOUR METER
	SELECTOR SWITCH
	PILOT INDICATING LIGHT
	PILOT LIGHT, FLASHING TYPE
	DIRECT-ON-LINE MOTOR STARTER
	STAR(WYE)-DELTA MOTOR STARTER
	SINGLE WINDING , ELECTROMAGNETIC CONTROL COIL (CONTACTOR COIL)
	TWO WINDINGS, ELECTROMAGNETIC CONTROL COIL
	DELAYED ON ENERGIZATION, ELECTROMAGNETIC CONTROL COIL
	DELAYED ON DE-ENERGIZATION , ELECTROMAGNETIC CONTROL COIL
	ELECTROMAGNETIC CONTROL COIL WITH MECHANICAL LOCKING
	THERMAL OVERCURRENT RELAY
	MAGNETIC OVERCURRENT RELAY
	NORMALLY OPEN MAIN (POWER) CONTACT
	NORMALLY CLOSED MAIN (POWER) CONTACT
	NORMALLY OPEN AUXILIARY (CONTROL) CONTACT
	NORMALLY CLOSED AUXILIARY (CONTROL) CONTACT
	CONTACT DELAYED ON ENERGIZATION ("ON DELAY" TIMER)
	CONTACT DELAYED ON DE-ENERGIZATION ("OFF DELAY")
	PUSH BUTTON (SPRING RETURN) SWITCH
	ROTARY HANDLE LATCHED SWITCH (SELECTOR SWITCH)
	3-POSITION SELECTOR SWITCH
	PRESSURE SWITCH
	TEMPERATURE SWITCH OR THERMOSTAT CONTROL SWITCH



POWER RISER DIAGRAM

SCALE

NTS.



C/ZX — ZONE PROTECTION NUMBER

SYMBOLS

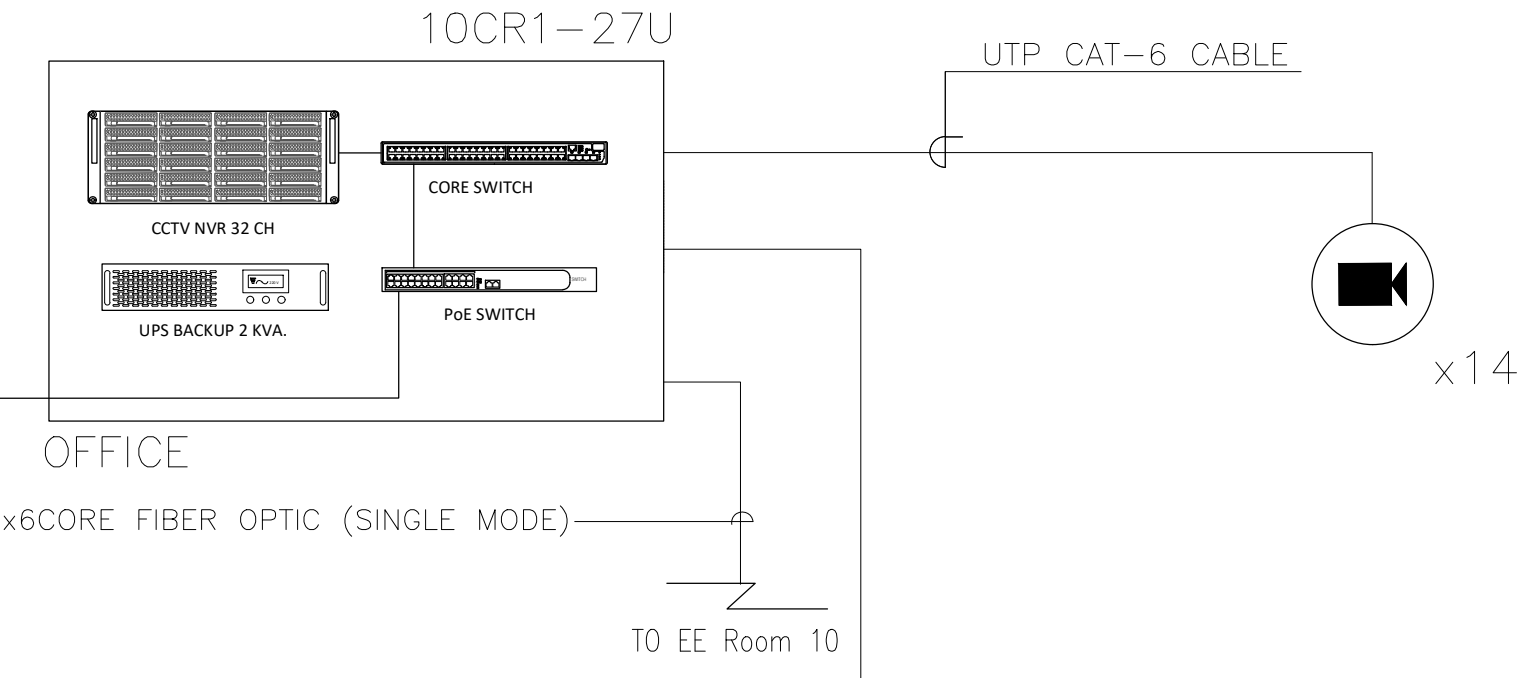
- [FACP] = SFP-10UD CONTROL PANEL, CONVENTIONAL TYPE
- [FATB] = FIRE ALARM TERMINAL BOX
- [M/FA] = ELECTRICAL MANUAL RELEASE STATION, INDOOR TYPE
- [B/FA] = ALARM BELL, INDOOR TYPE

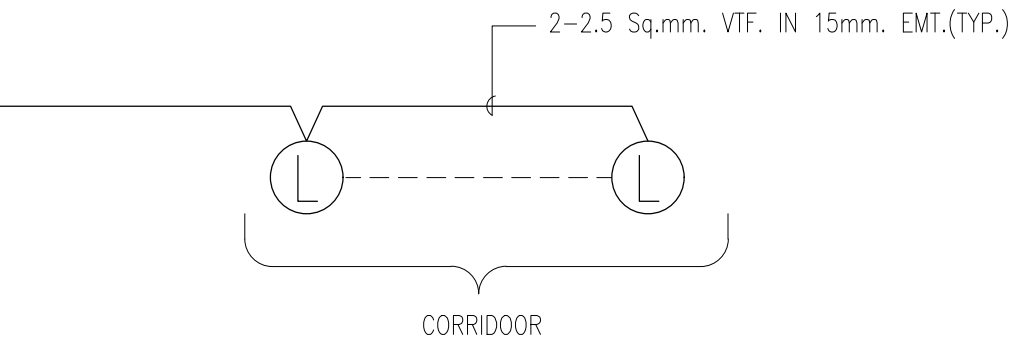
CE , RELEASING CIRCUIT AND NOTIFICATION
 B-WIRING CONFORM TO NFPA 72
 OF OPERATING THE SYSTEM UNDER NORMAL LOAD CONDITION FOR 24 HOURS
 G THE SYSTEM CONTINUOUSLY FOR FULL DISCHARGE CONDITION

OPERATION DIAGRAM FIRE

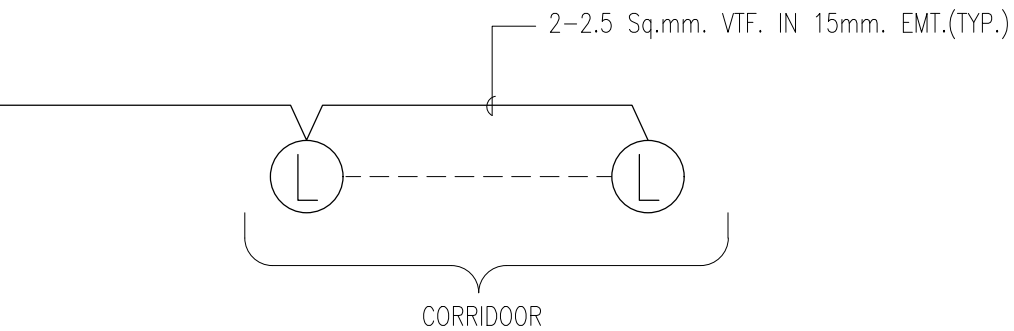
FIRE ALARM RISER DIAGRAM

SCALE NTS.
















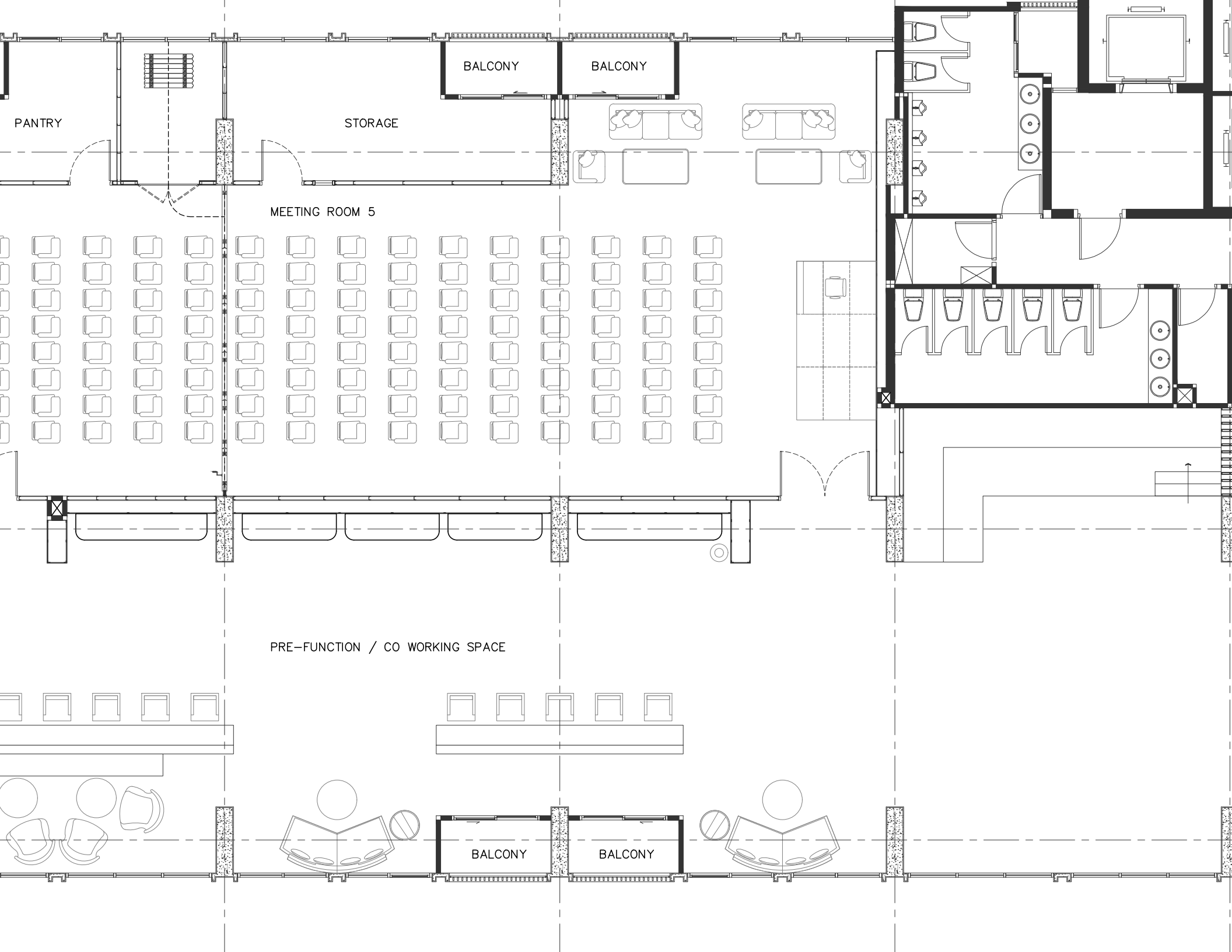
Sq.mm. VCT IN 25mm. EMT.(TYP.)



Sq.mm. VCT IN 25mm. EMT.(TYP.)

SOUND SYSTEM

1.  = CEILING SPEAKER, 6 WATTS
2.  = HORN SPEAKER, 15 WATTS
3.  = CEILING SPEAKER WITH BOX, 6 WATTS
4.  = SOUND BOX WITH VOLUME CONTROL FOR E
5.  = SOUND RACK WITH IP POWER AMP
6.  = MAIN SOUND RACK
7.  = CENTRAL VOLUME CONTROL
8.  = VOLUME CONTROL
9.  = PAGING MICROPHONE WITH 10 CALL ZONES
10.  = OPTICAL DISTRIBUTION FRAME (BY ICT.)
11.  = OPTICAL LINE TERMINAL (BY ICT.)
12. X-YSBZ : X = ZONE, Y = FLOOR AND Z = NO.



PANTRY

STORAGE

BALCONY

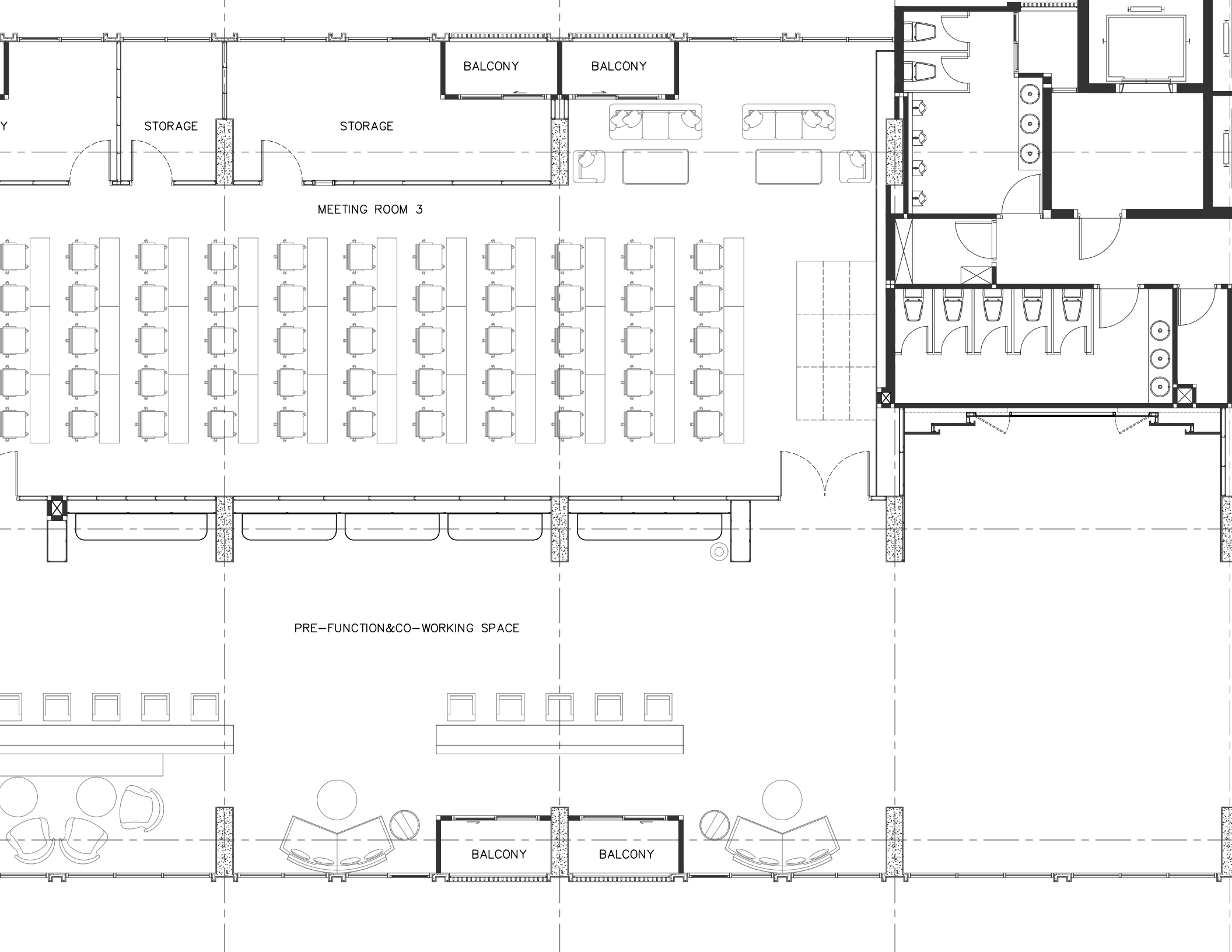
BALCONY

MEETING ROOM 5

PRE-FUNCTION / CO WORKING SPACE

BALCONY

BALCONY



BALCONY

BALCONY

STORAGE

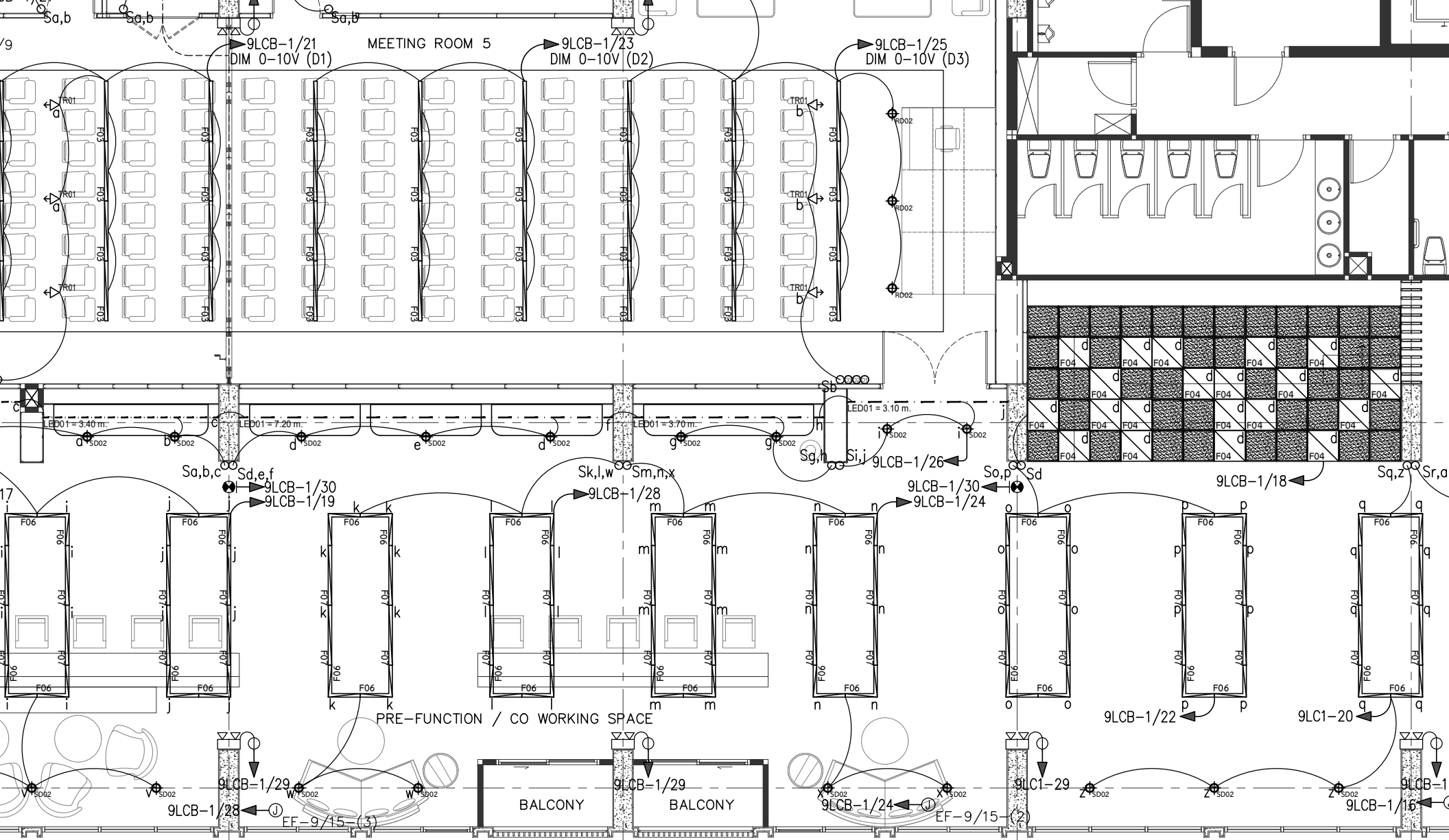
STORAGE

MEETING ROOM 3

PRE-FUNCTION & CO-WORKING SPACE

BALCONY

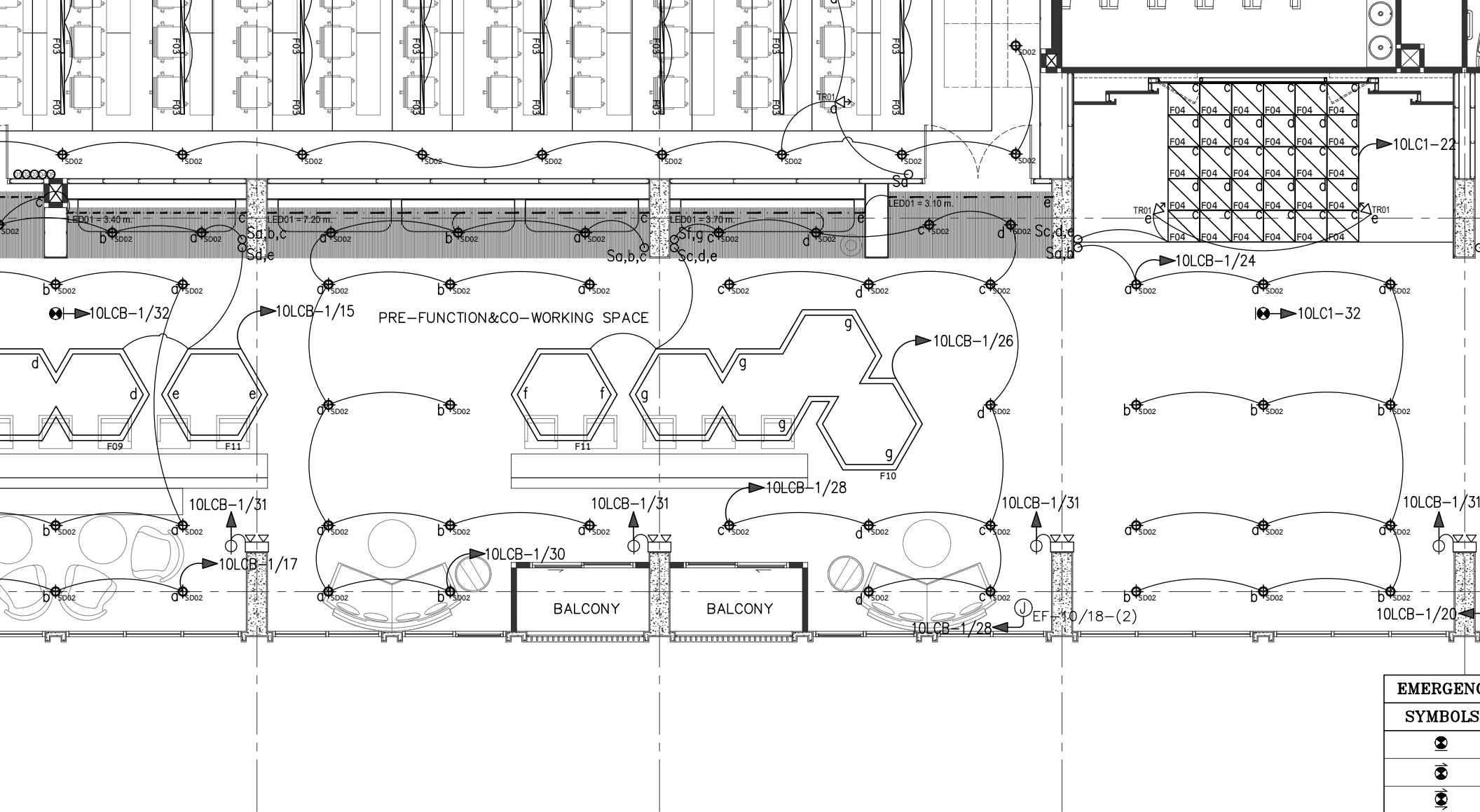
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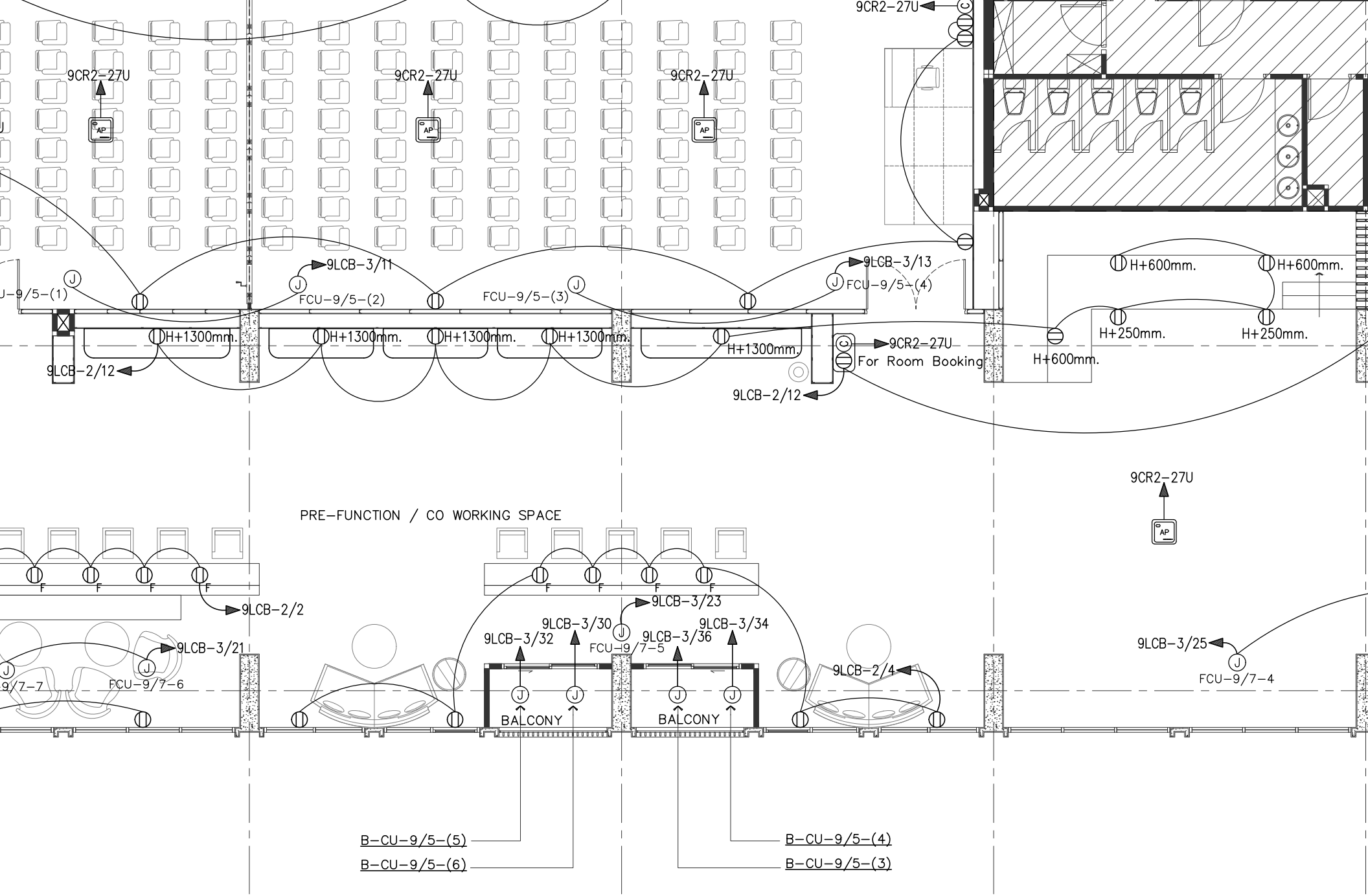
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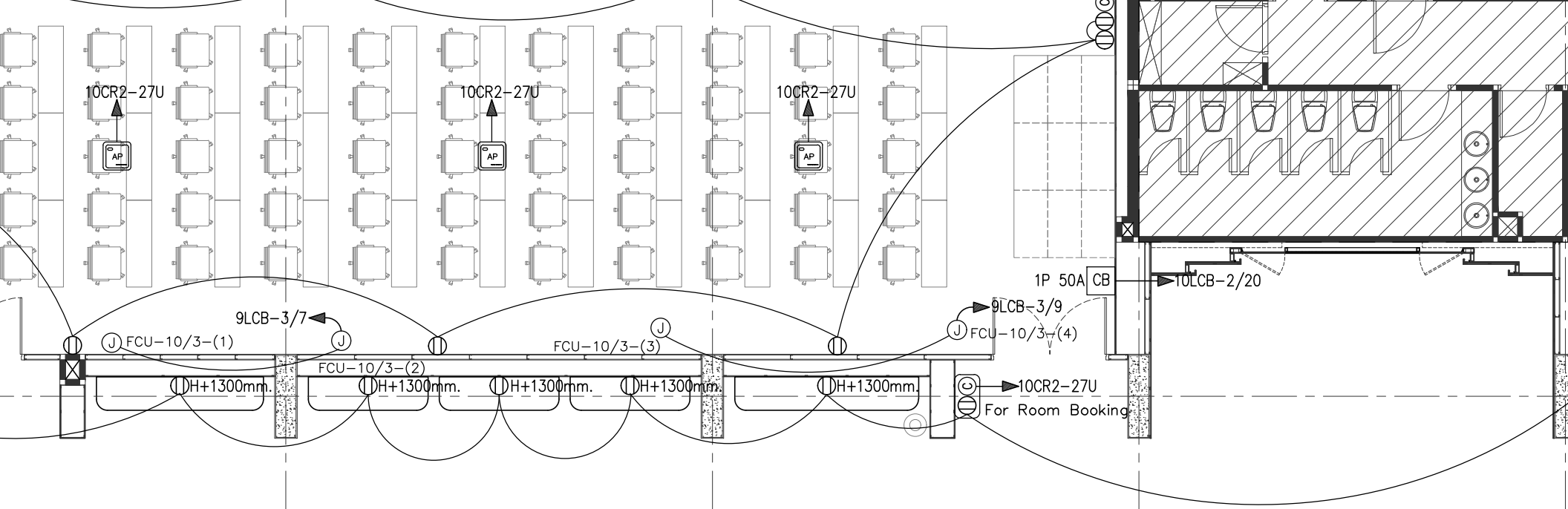
SYMBOLS

	EX

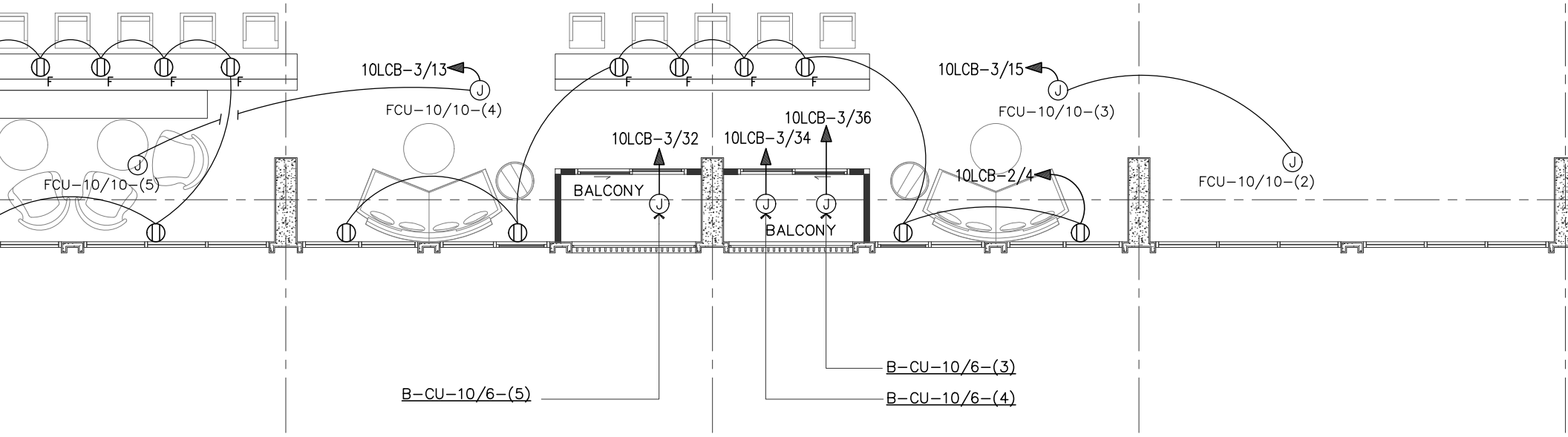


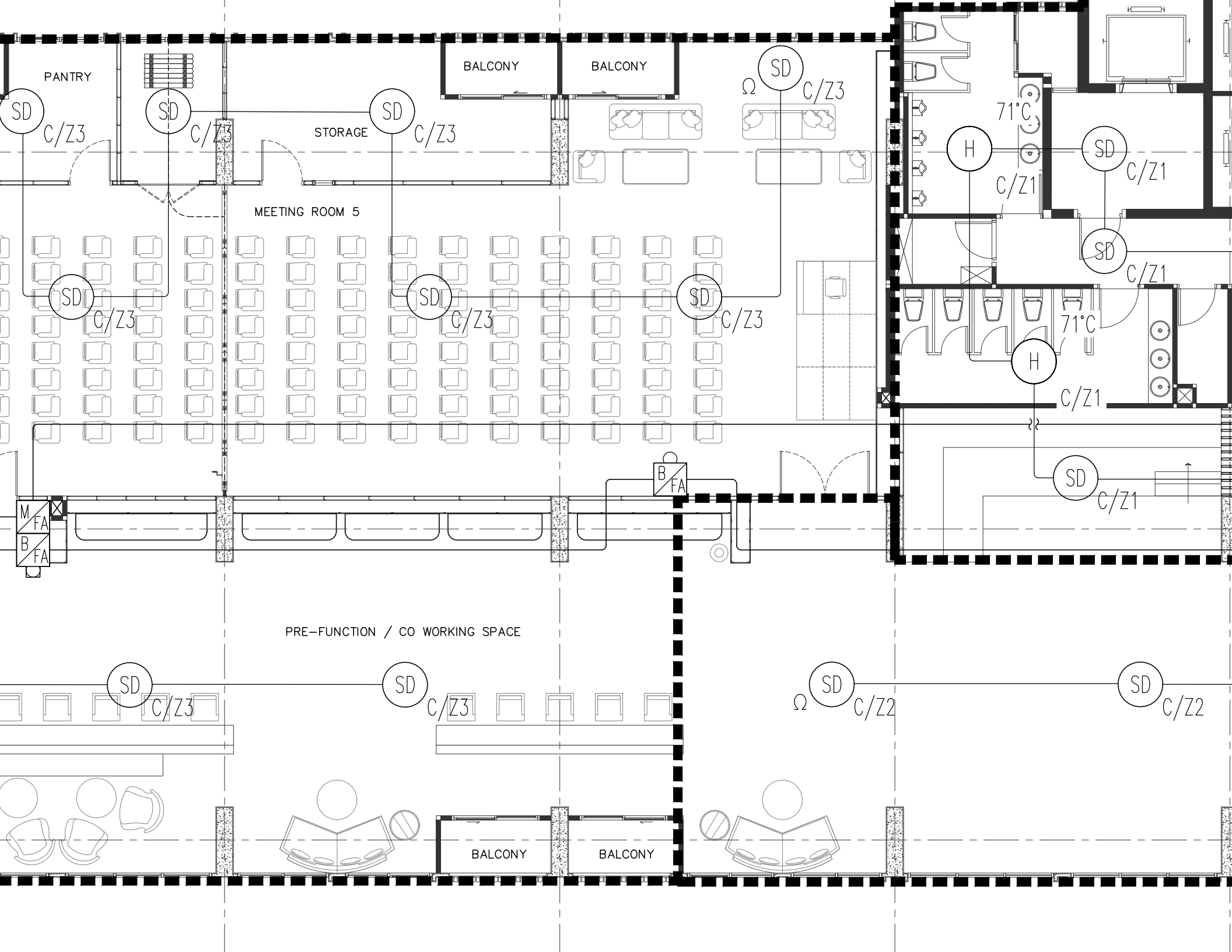
EMERGENCY SYMBOLS	
	EX
SWITCH SYMBOLS	
	S
	2S
	nS
	S2
	S4
	K

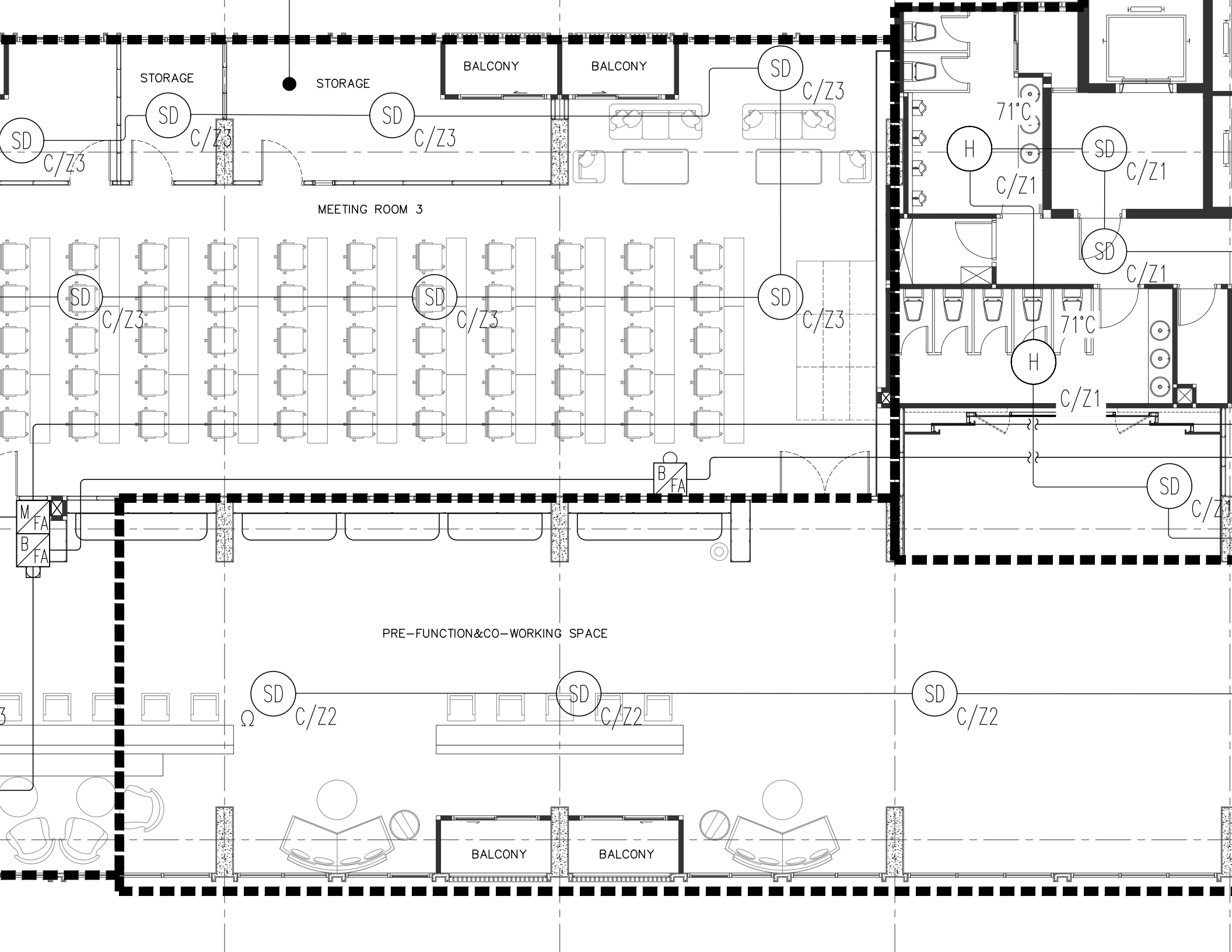


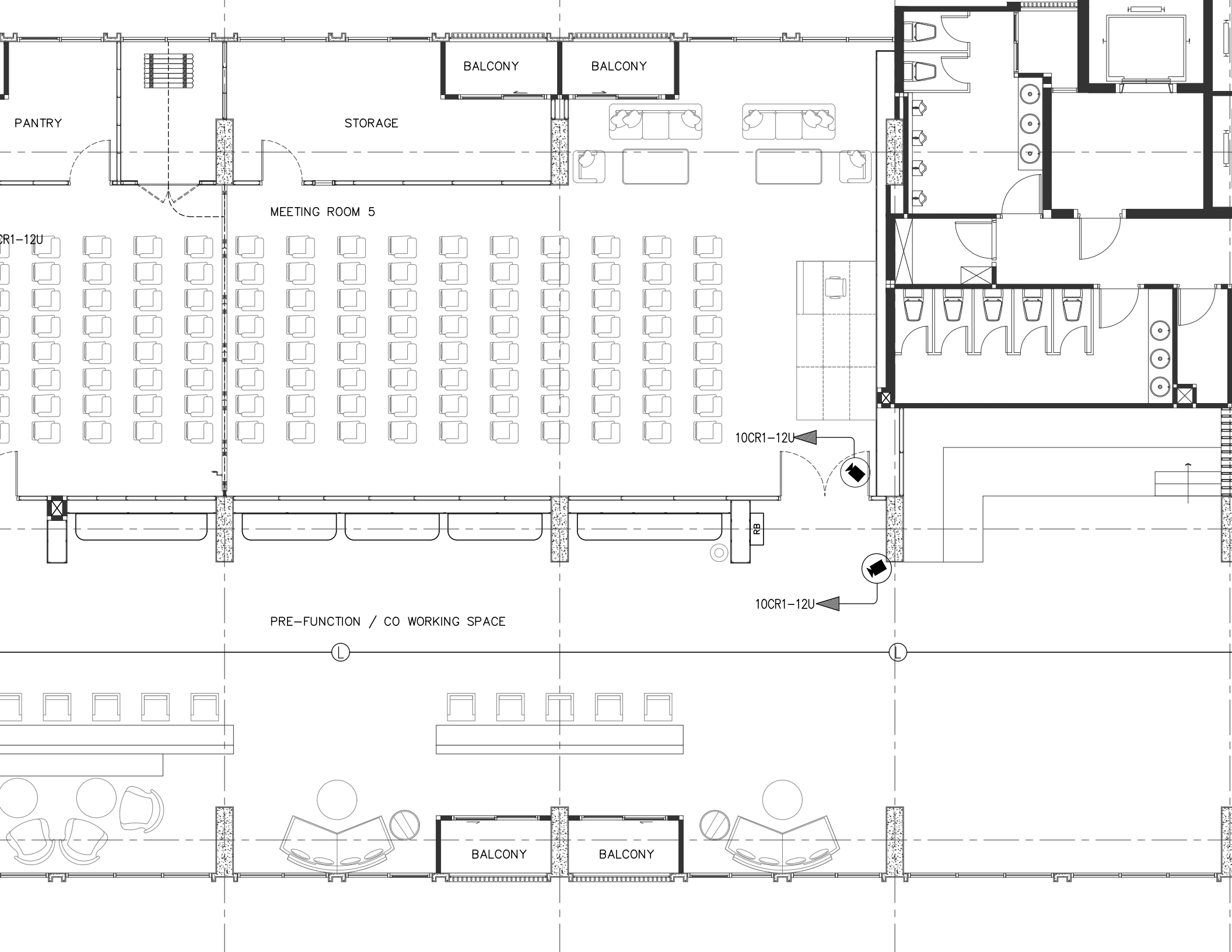


PRE-FUNCTION&CO-WORKING SPACE









PANTRY

BALCONY

BALCONY

STORAGE

MEETING ROOM 5

CR1-12U

10CR1-12U

10CR1-12U

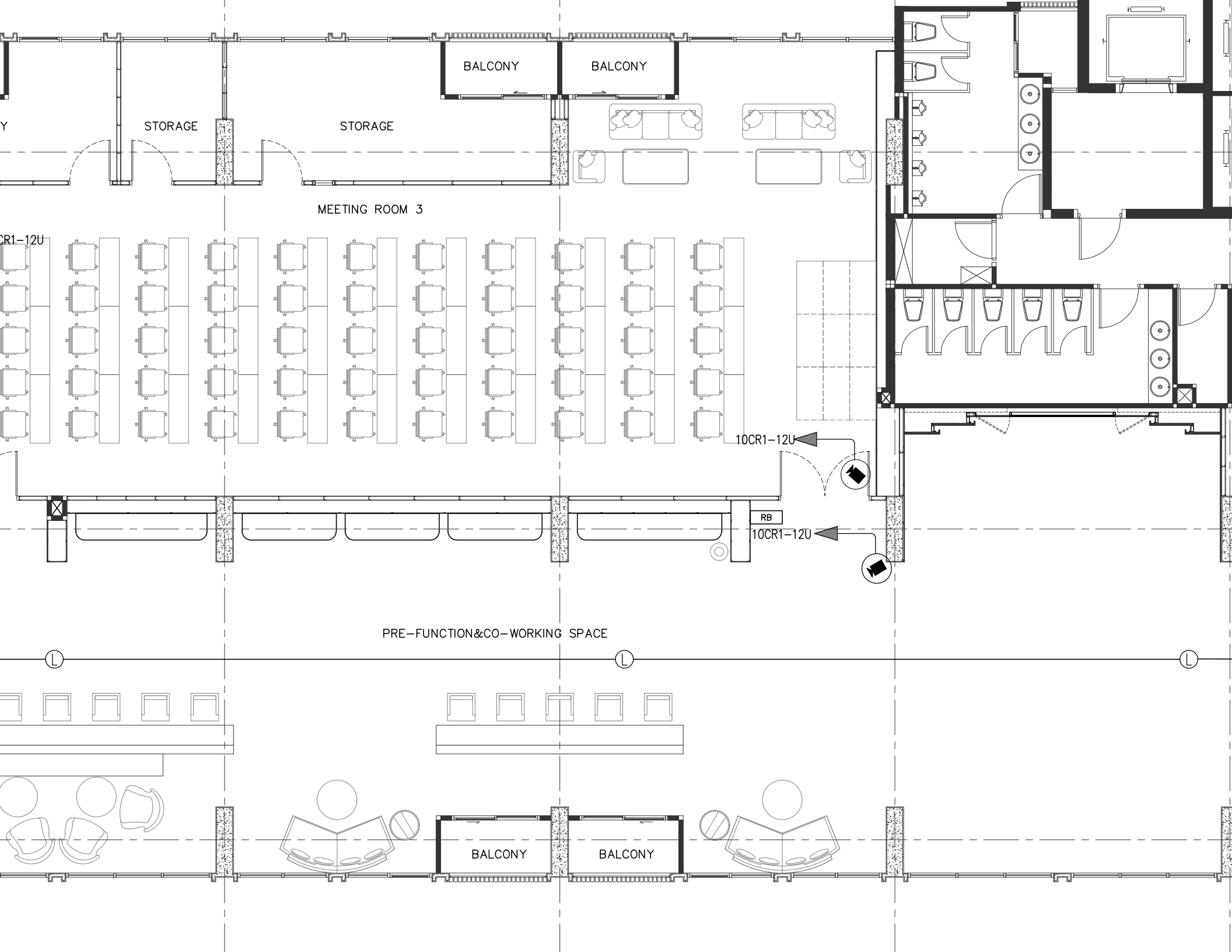
PRE-FUNCTION / CO WORKING SPACE

L

L

BALCONY

BALCONY



BALCONY

BALCONY

STORAGE

STORAGE

MEETING ROOM 3

CR1-12U

10CR1-12U

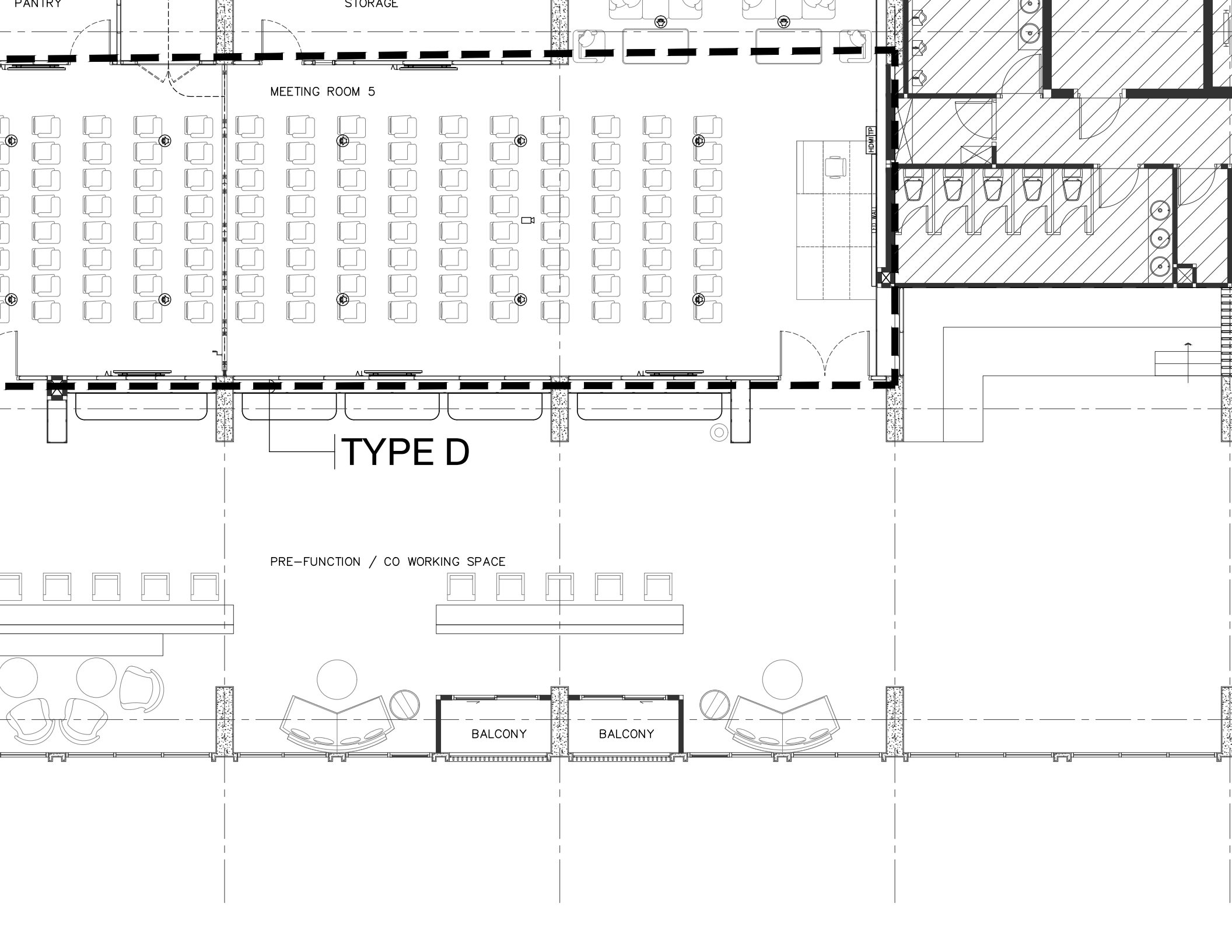
RB

10CR1-12U

PRE-FUNCTION&CO-WORKING SPACE

BALCONY

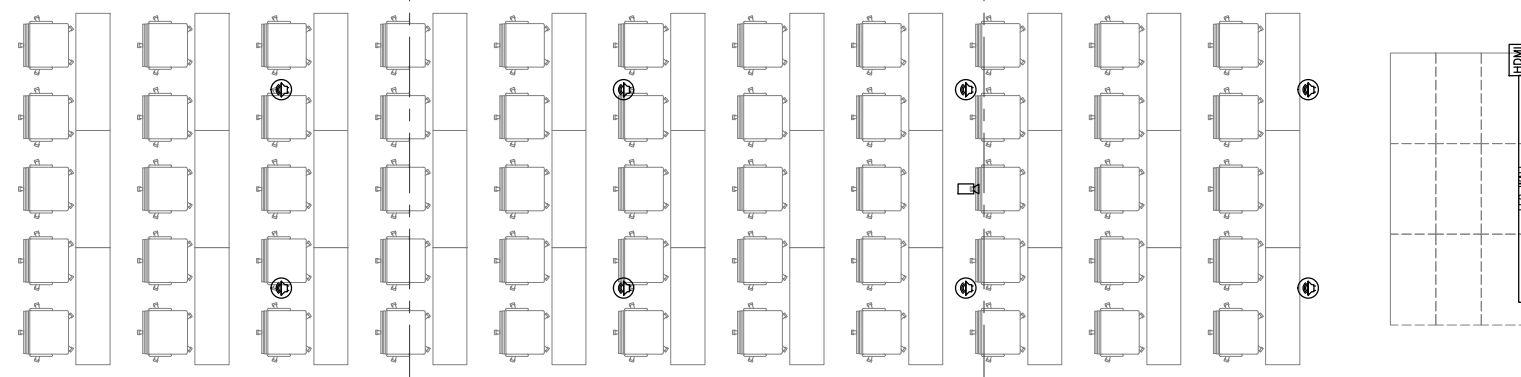
BALCONY



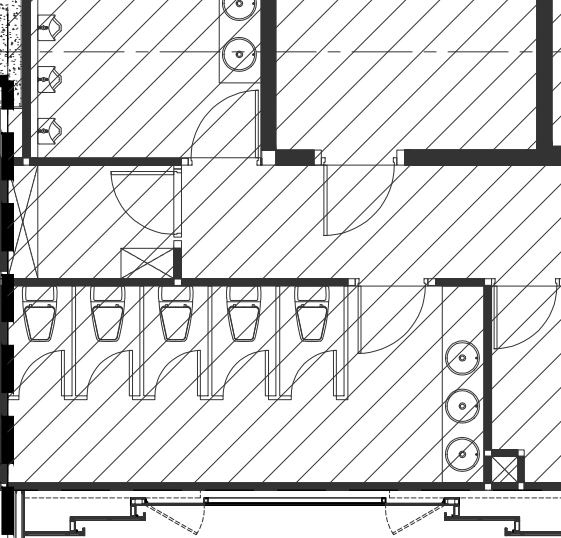
STORAGE

STORAGE

MEETING ROOM 3

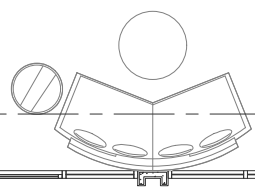
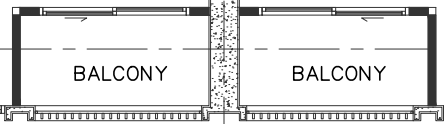
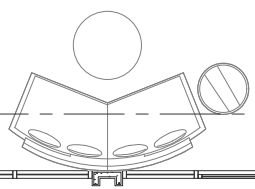
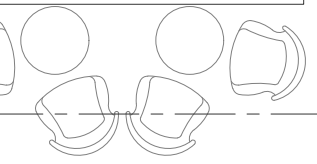
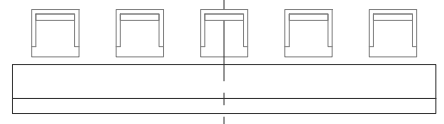
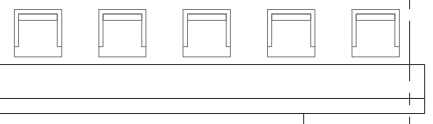


FDMA
FIRE WALL

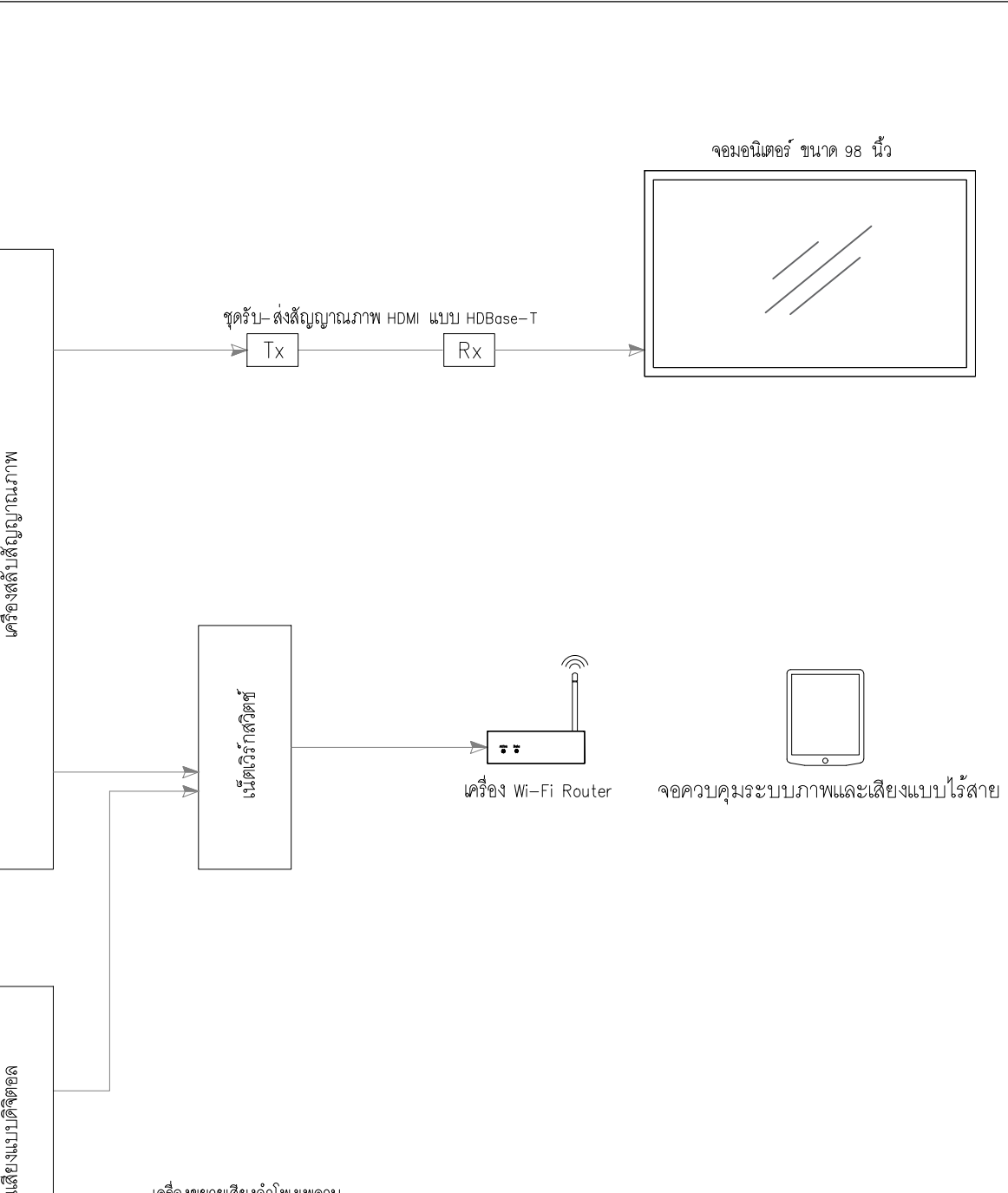


TYPE C

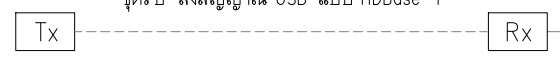
PRE-FUNCTION&CO-WORKING SPACE



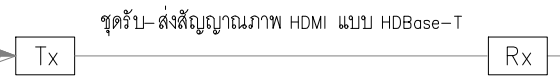
TYPE A



NOTEBOOK By USER



กล้อง IP Auto-tracking



เสาอากาศรับสัญญาณไม่โครโฟน

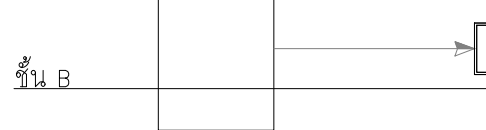
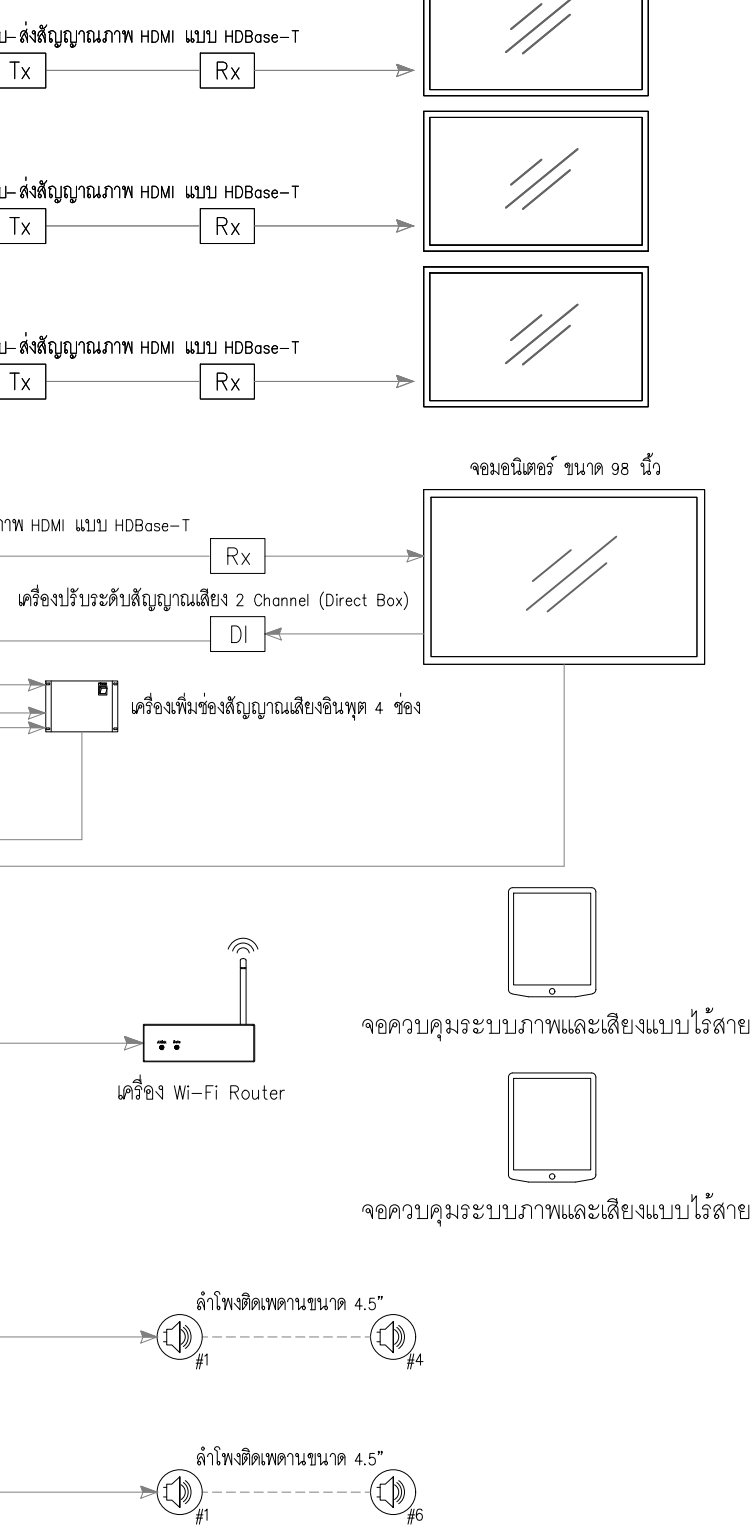


เสาอากาศรับสัญญาณไม่โครโฟน

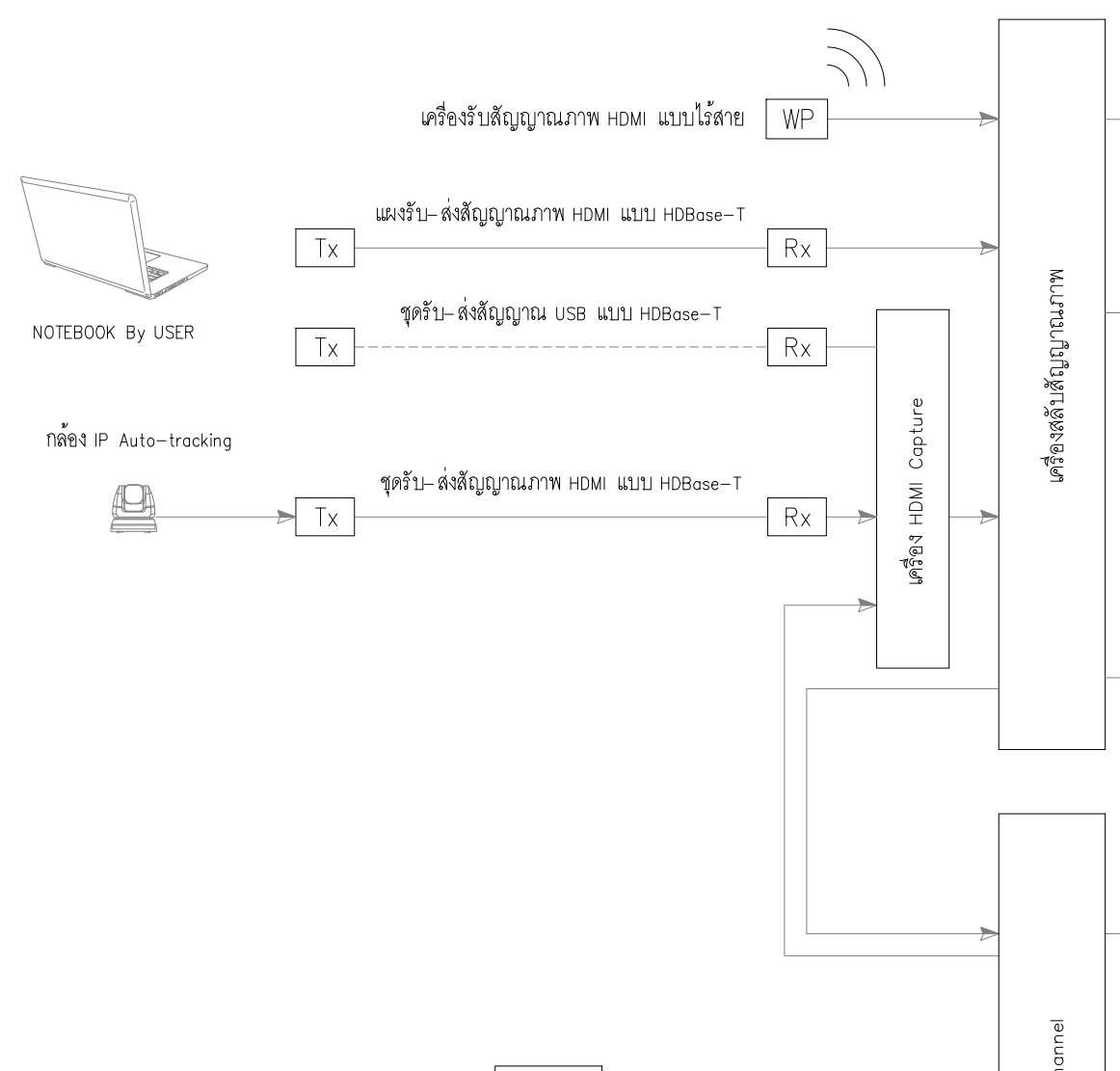
สัญญาณไม่โครโฟน

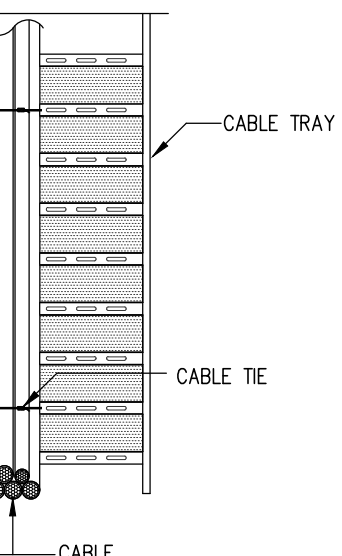
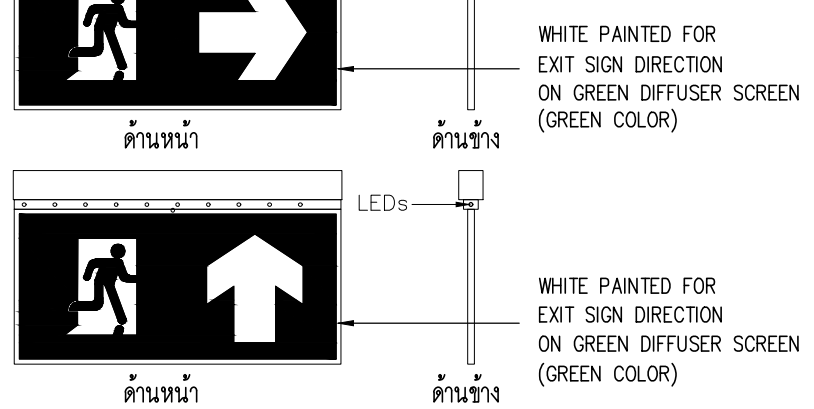
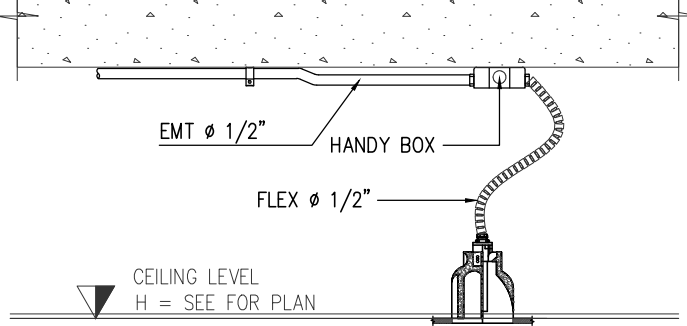
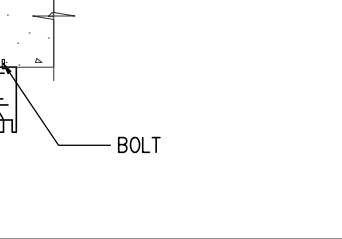


ไม่โครโฟนไร้สายแบบมีมือถือ

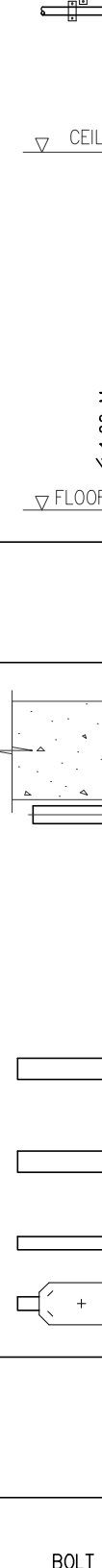
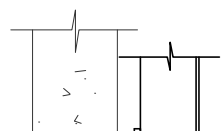
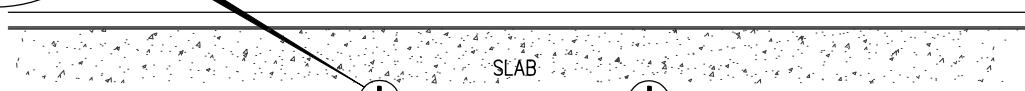
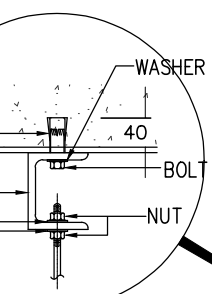
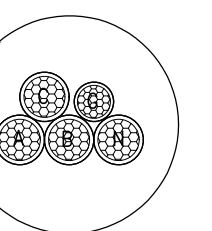
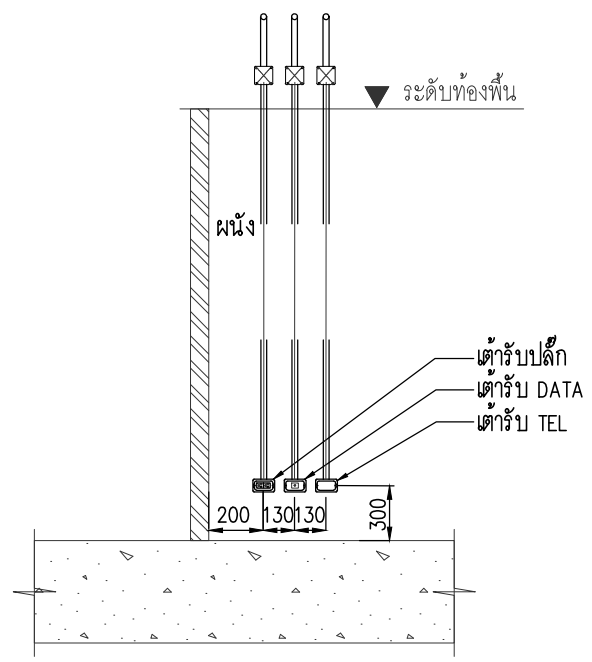
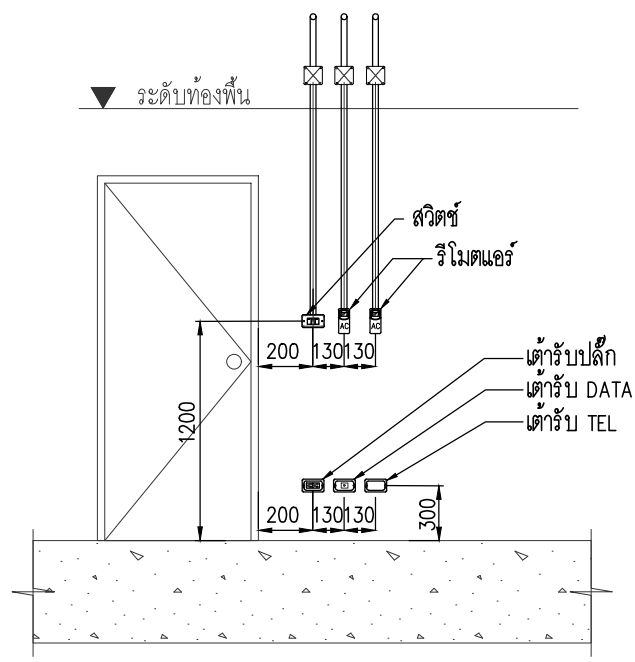


โดยจะแถมระบบใส่ที่ตุนูปก
Co-Working Space ชั้น E

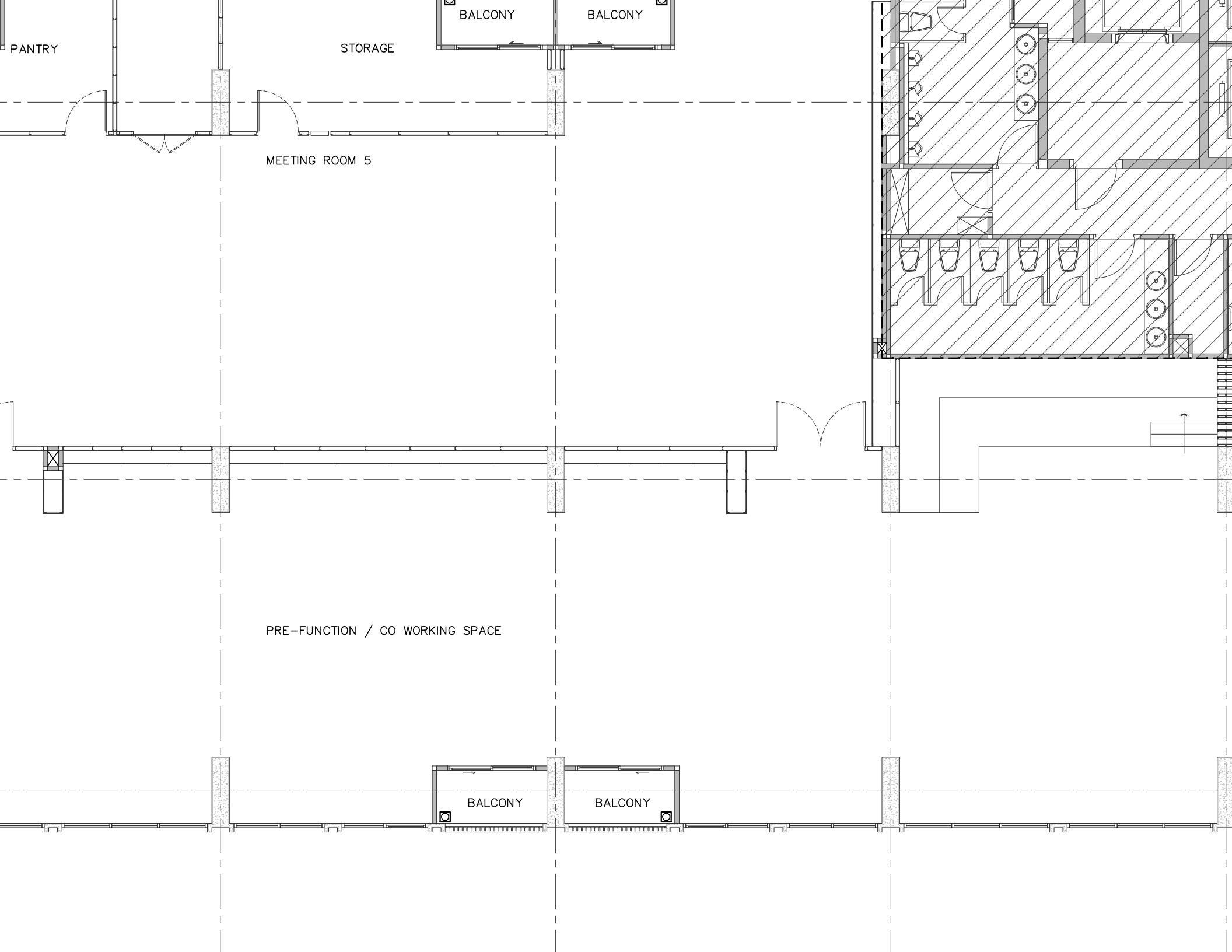




TYPICAL DETAIL INSTALL FOR SWITCH & OUTLET



	AR-06	AIR CONDITIONING & VENTILATION แบบงานระบบปรับอากาศ และระบบระบายอากาศ
	ST-00	COMMUNICATION SYSTEM AND แบบงานระบบสื่อสารและระบบโสตทัศนศึกษา
	EE-19	INTERIOR แบบสถาปัตยกรรมภายใน
IN SYSTEM	SN-06	LANDSCAPE แบบภูมิสถาปัตยกรรม



PANTRY

STORAGE

BALCONY

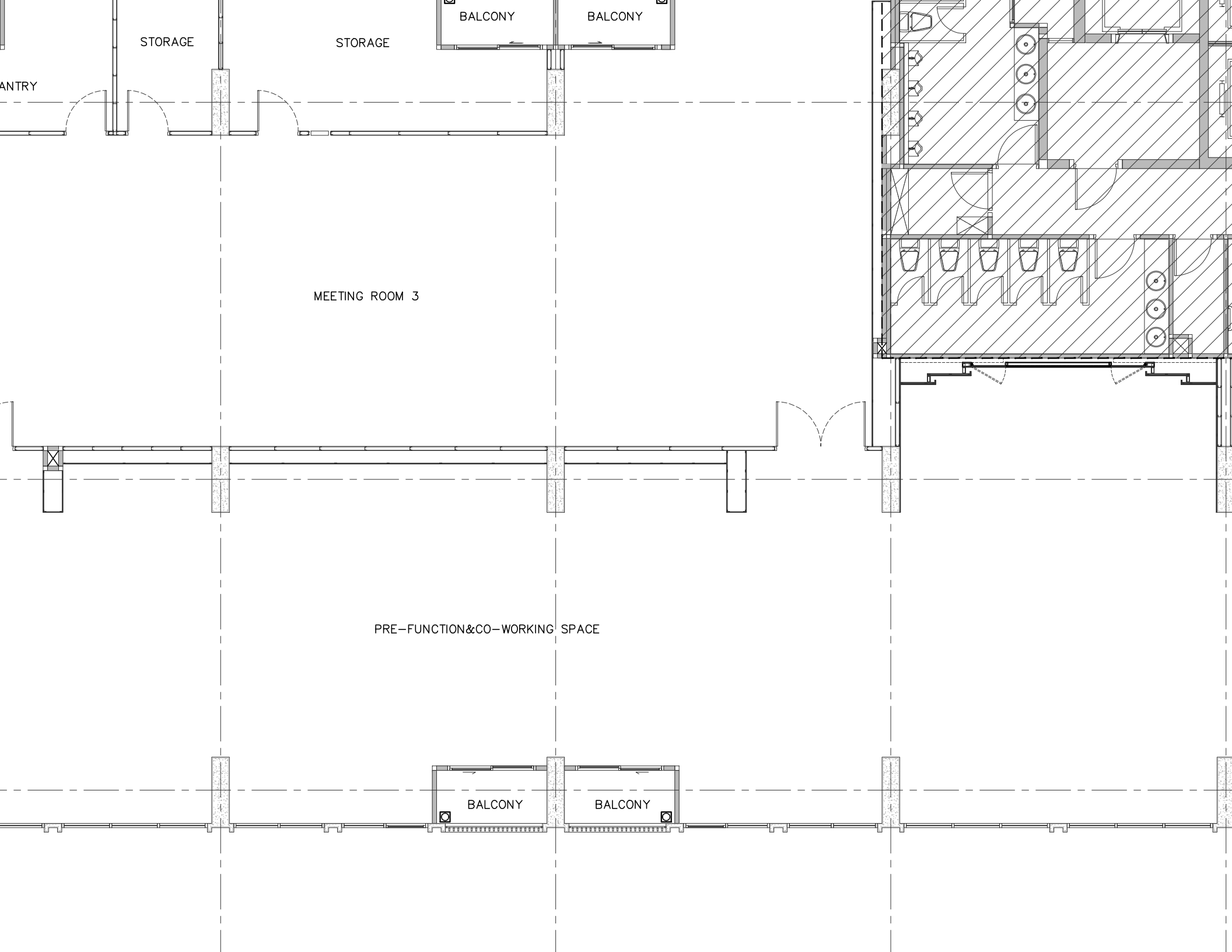
BALCONY

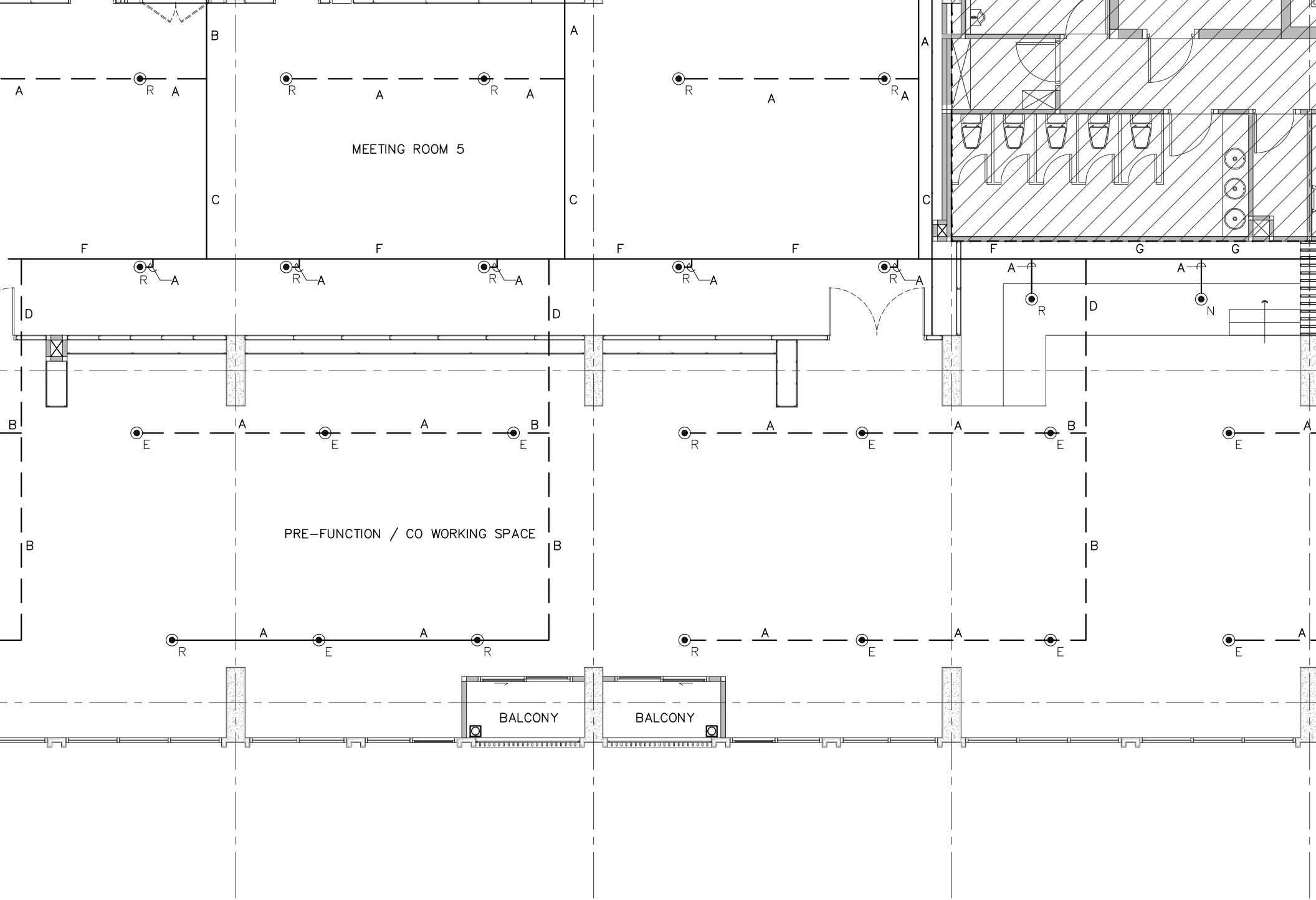
MEETING ROOM 5

PRE-FUNCTION / CO WORKING SPACE

BALCONY

BALCONY





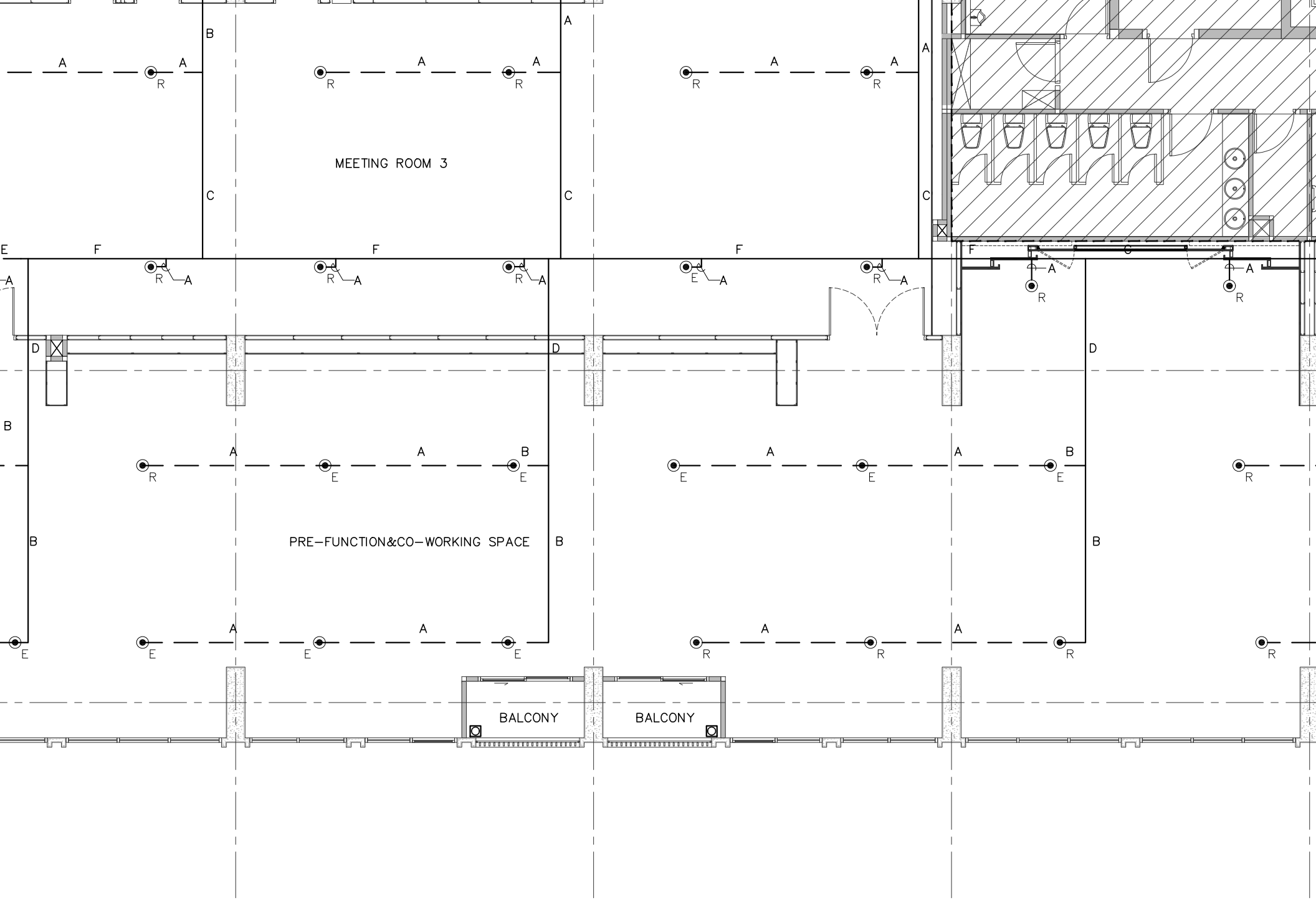
หมายเหตุ

1. ตารางแสดงขนาดห้องดับเพลิง.

2. ●FE.- ถังดับเพลิงเคมีแบบมือถือ ชนิด Low Pressure Water Mist ขนาด 10 lbs.

ขอบเขต

ปรั
แฉ



หมายเหตุ

1. ตารางแสดงขนาดท่อดับเพลิง.

2. ●FE.- ถังดับเพลิงเคมีแบบมือถือ ชนิด Low Pressure Water Mist ขนาด 10 lbs.

ขอบเขต

ปรี
แ

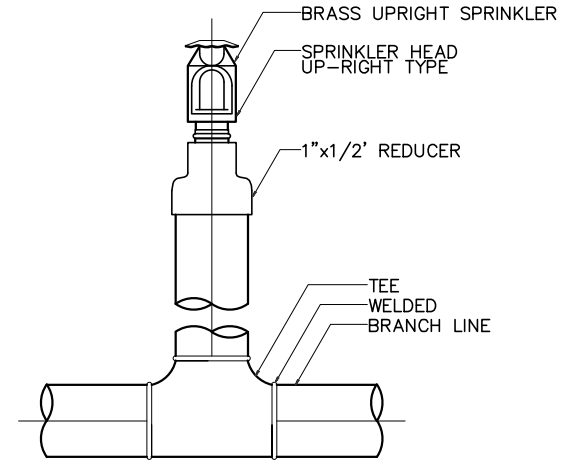
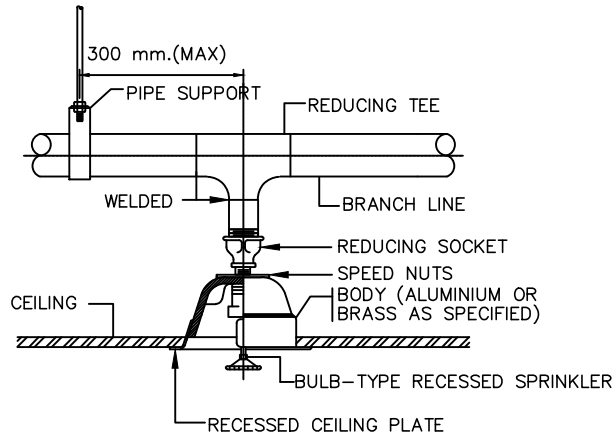
25	1	3/8	74	500	1.8M
32	1 1/4	3/8	78	500	1.8M
40	1 1/2	3/8	81	500	1.8M
50	2	3/8	87	616	1.8M
65	2 1/2	3/8	95	987	1.8M
80	3	3/8	102	965	1.8M
100	4	3/8	114	984	1.8M
125	5	1/2	140	1,400	2.5M
150	6	1/2	153	1,375	2.5M
200	8	1/2	180	2,580	2.5M
250	10	5/8	232	2,640	2.5M

NOTE:

1. WHERE PIPE HIDDEN FROM VIEW THE ESCUTCHEON PLATES SHALL BE ANTI-RUST ,2 COATS.
2. WHERE PIPE EXPOSED TO VIEW THE ESCUTCHEON PLATES SHALL BE TO MATCH BUILDING.

SPLIT RIGHT HANGER WITH SWIVEL ADJUSTABLE

PIPE SLEEVE THROUGH FLOOR



PENDENT SPRINKLER HEAD

UPRIGHT SPRINKLER HEAD

AR-06

AIR CONDITIONING & VENTILATION
แบบงานระบบปรับอากาศ และระบบระบายอากาศ

ST-00

COMMUNICATION SYSTEM AND
แบบงานระบบสื่อสารและระบบโสตทัศนศึกษา

EE-16

INTERIOR
แบบสถาปัตยกรรมภายใน

SN-06

LANDSCAPE
แบบภูมิสถาปัตยกรรม

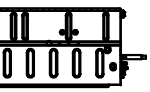
1,377	0.30	Yes	0.22	220/1/50	16AT / 1P	-	3/8"(9.5)	5/8"(15.9)	Ø 1"	●		
1,130	0.30	Yes	0.15	220/1/50	16AT / 1P	-	3/8"(9.5)	5/8"(15.9)	Ø 1"	●		
794	-	Yes	0.10	220/1/50	16AT / 1P	-	3/8"(9.5)	5/8"(15.9)	Ø 1"	●	Central Control	
1,130	0.30	Yes	0.15	220/1/50	16AT / 1P	-	3/8"(9.5)	5/8"(15.9)	Ø 1"	●		
1,130	0.30	Yes	0.15	220/1/50	16AT / 1P	-	3/8"(9.5)	5/8"(15.9)	Ø 1"	●		
600	-	Yes	0.04	220/1/50	16AT / 1P	-	1/4"(6.4)	1/2"(12.7)	Ø 3/4"	●		
600	-	Yes	0.04	220/1/50	16AT / 1P	-	1/4"(6.4)	1/2"(12.7)	Ø 3/4"	●		
600	-	Yes	0.04	220/1/50	16AT / 1P	-	1/4"(6.4)	1/2"(12.7)	Ø 3/4"	●		
794	-	Yes	0.10	220/1/50	16AT / 1P	-	3/8"(9.5)	5/8"(15.9)	Ø 1"	●		
1,130	-	Yes	0.16	220/1/50	16AT / 1P	-	3/8"(9.5)	5/8"(15.9)	Ø 1"	●		
1,377	0.30	Yes	0.22	220/1/50	16AT / 1P	-	3/8"(9.5)	5/8"(15.9)	Ø 1"	●		

4,944	-	-	6.88	380/3/50	25AT / 3P	30AT / 3P	3/8"(9.5)	7/8"(22.2)	-	-	-	
4,944	-	-	6.88	380/3/50	25AT / 3P	30AT / 3P	3/8"(9.5)	7/8"(22.2)	-	-	-	
4,944	-	-	6.88	380/3/50	25AT / 3P	30AT / 3P	3/8"(9.5)	7/8"(22.2)	-	-	-	
4,944	-	-	6.88	380/3/50	25AT / 3P	30AT / 3P	3/8"(9.5)	7/8"(22.2)	-	-	-	
2,825	-	-	4.51	220/1/50	30AT / 1P	30AT / 1P	3/8"(9.5)	3/4"(19.1)	-	-	-	
4,944	-	-	6.88	380/3/50	25AT / 3P	30AT / 3P	3/8"(9.5)	7/8"(22.2)	-	-	-	
4,944	-	-	5.94	380/3/50	25AT / 3P	30AT / 3P	3/8"(9.5)	3/4"(19.1)	-	-	-	
4,944	-	-	6.88	380/3/50	25AT / 3P	30AT / 3P	3/8"(9.5)	7/8"(22.2)	-	-	-	
4,944	-	-	6.88	380/3/50	25AT / 3P	30AT / 3P	3/8"(9.5)	7/8"(22.2)	-	-	-	
2,684	-	-	3.29	220/1/50	25AT / 1P	30AT / 1P	3/8"(9.5)	5/8"(15.9)	-	-	-	
2,860	-	-	3.83	220/1/50	30AT / 1P	30AT / 1P	3/8"(9.5)	5/8"(15.9)	-	-	-	
4,944	-	-	5.94	380/3/50	25AT / 3P	30AT / 3P	3/8"(9.5)	3/4"(19.1)	-	-	-	
2,825	-	-	4.51	220/1/50	30AT / 1P	30AT / 1P	3/8"(9.5)	3/4"(19.1)	-	-	-	

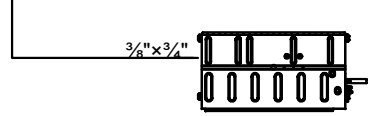
6. ABBREVIATIONS FOR UNIT TYPE :

- WMED : WALL MOUTED, EXPOSED TYPE, DIRECT DRIVE
- CC4W : CEILING MOUNTED, CASSETTE TYPE, 4 WAY
- CMDM : CEILING MOUNTED, DUCT TYPE, MIDDLE STATIC, DIRECT DRIVE
- HDT : HORIZONTAL DRAW THRU

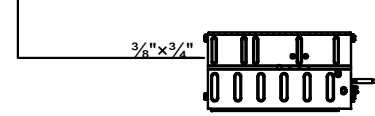
B-FF-B/4	OFF
B-FF-B/5-(1 to 3)	PRE
Unit no.	
VFNTILATION SYST	
A.FLOOR	
B-EF-A/1	
B-EF-A/2	
B-EF-A/3	
B-EF-A/4	
B-EF-A/5	
B-EF-A/6	
B-EF-A/7	
B-EF-A/8	
B-EF-A/9	
B-EF-A/10	
B-EF-A/11	
B-EF-A/12	
B-EF-A/13	
B-EF-A/14	
B-EF-A/15-(1 to 4)	
B.FLOOR	
B-EF-B/1	
B-EF-B/2	
B-EF-B/3	
B-EF-B/4	
B-EF-B/5	
B-EF-B/6	
B-EF-B/7	
B-EF-B/8	
B-EF-B/9	
B-EF-B/10	
B-EF-B/11	
B-EF-B/12	
B-EF-B/13	
B-EF-B/14	
B-EF-B/15	



B-FC-A/7-(3)

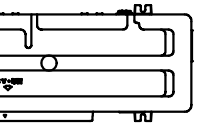


B-FC-A/7-(4)

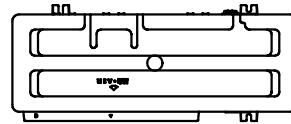


B-FC-A/7-(5)

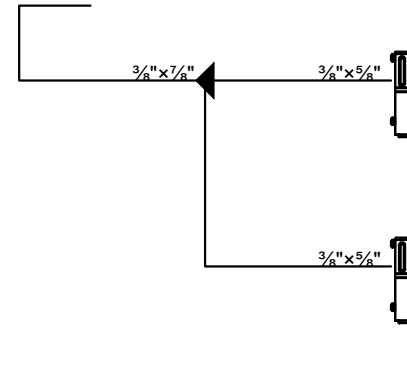
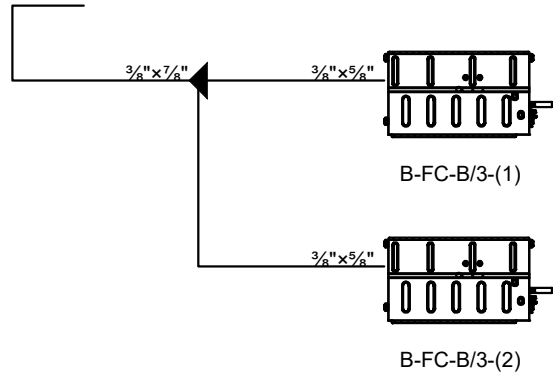
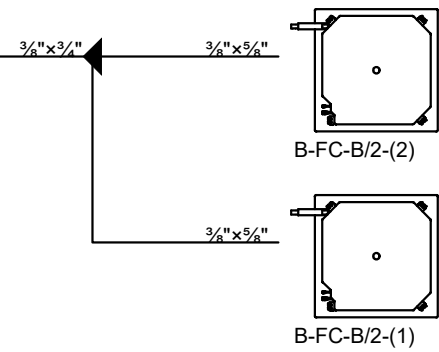
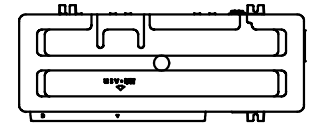
B-CU-B/2



B-CU-B/3-(1)



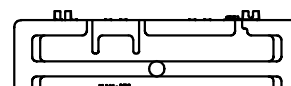
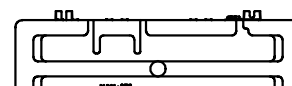
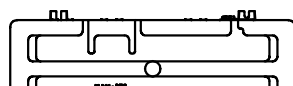
B-CU-B/3-(2)

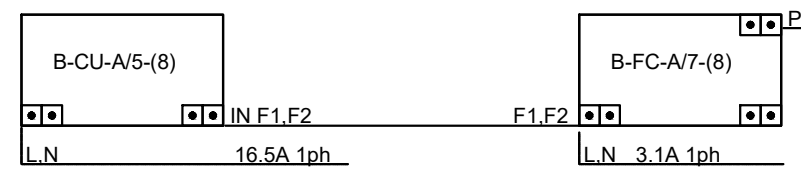
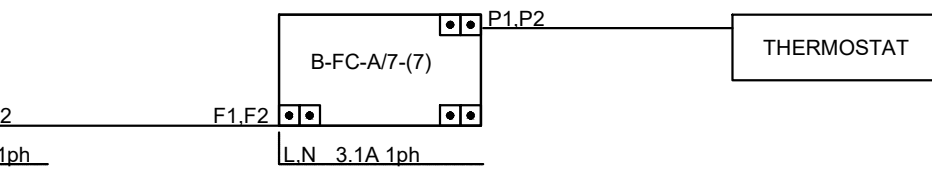
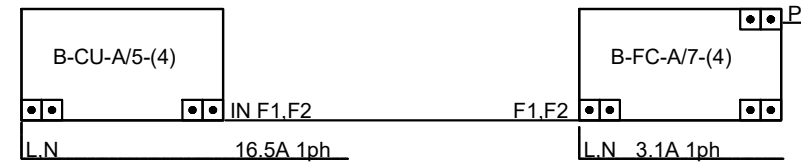
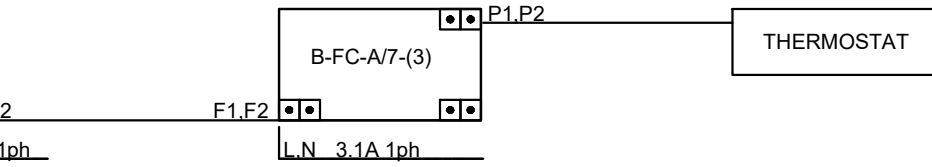


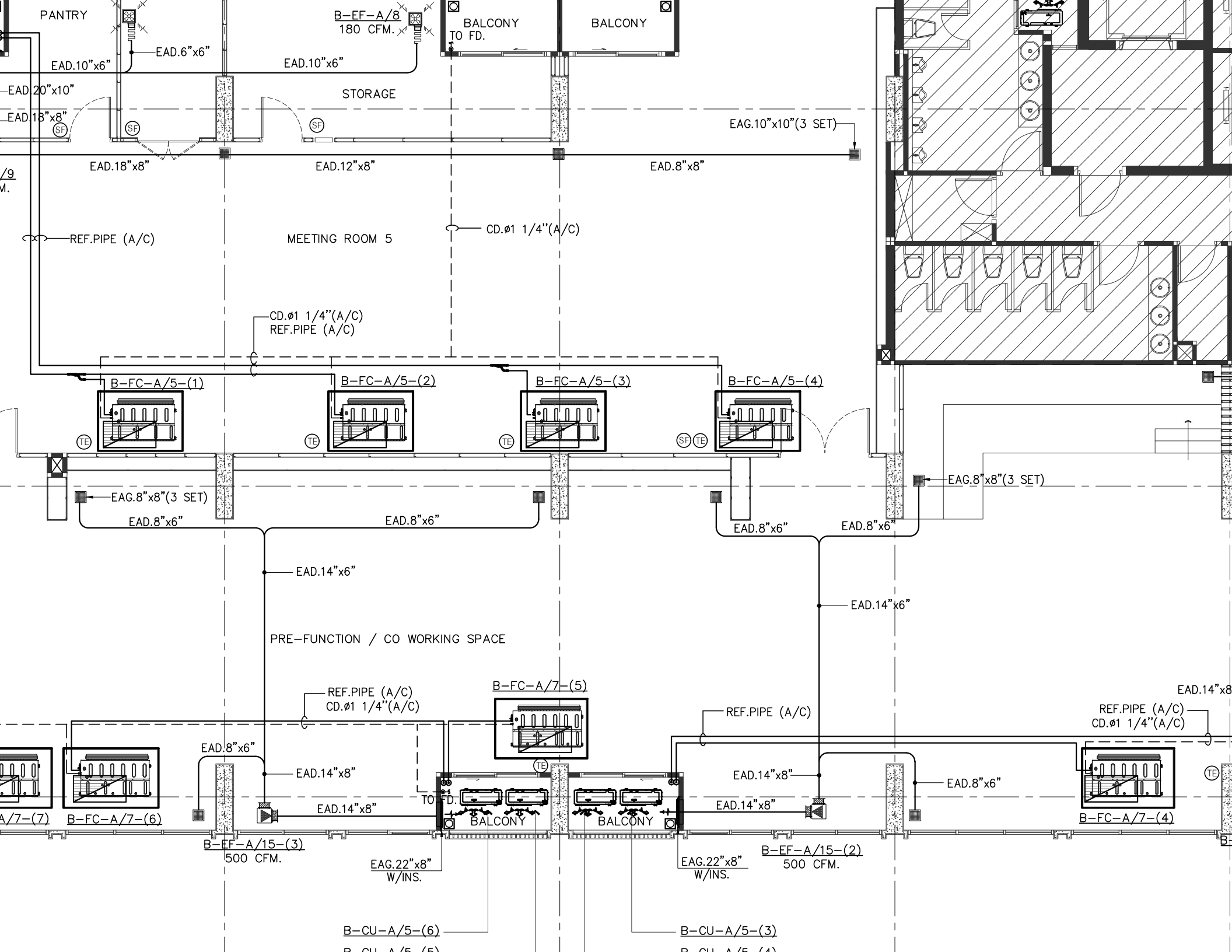
B-CU-B/6-(2)

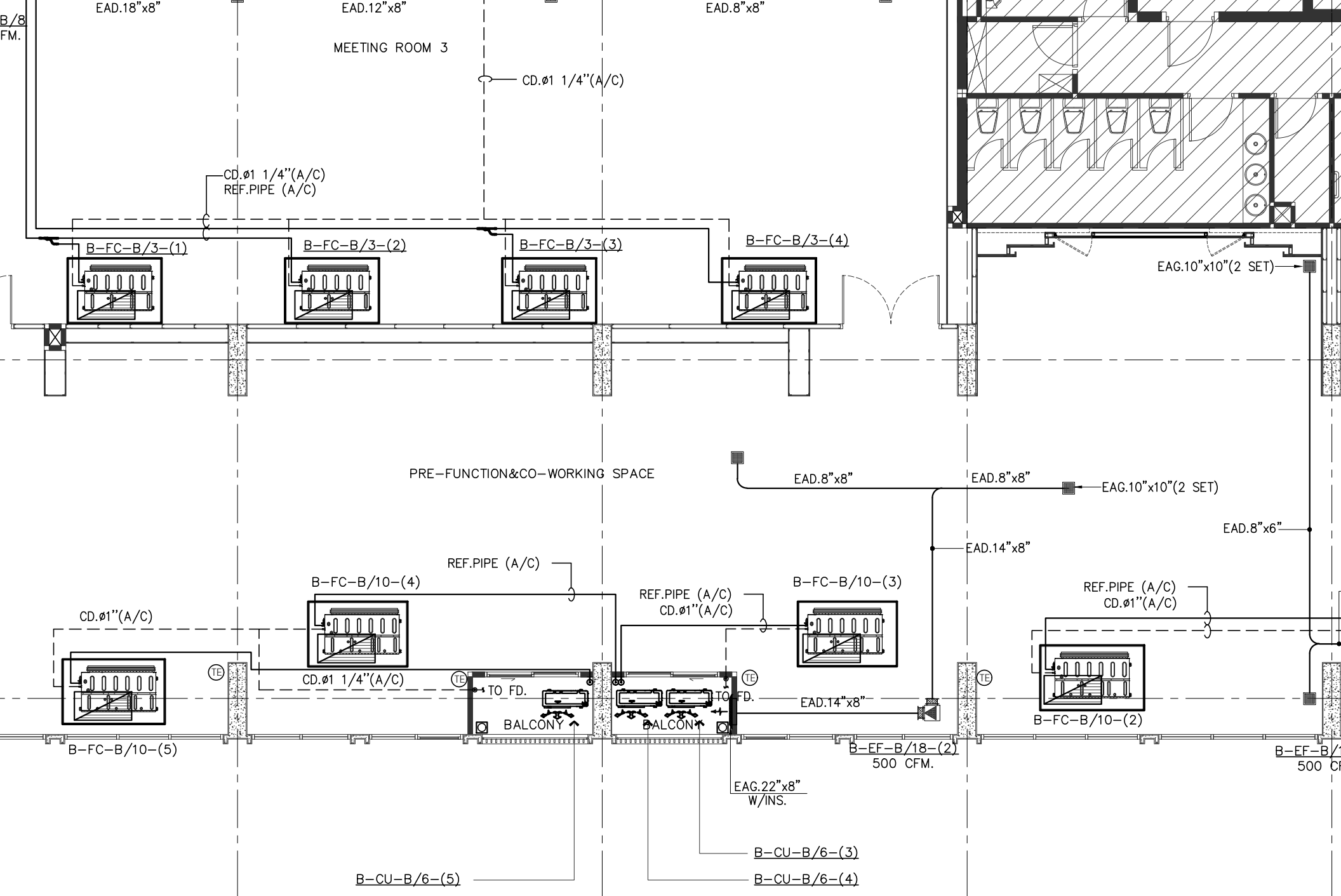
B-CU-B/6-(3)

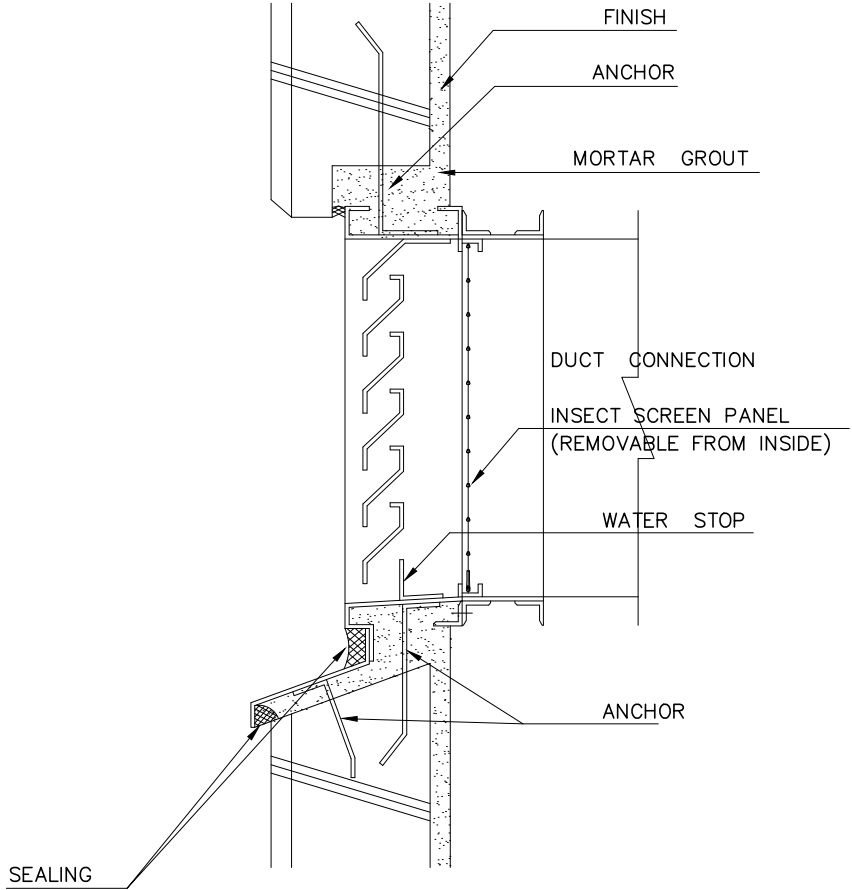
B-CU-B/6-(4)



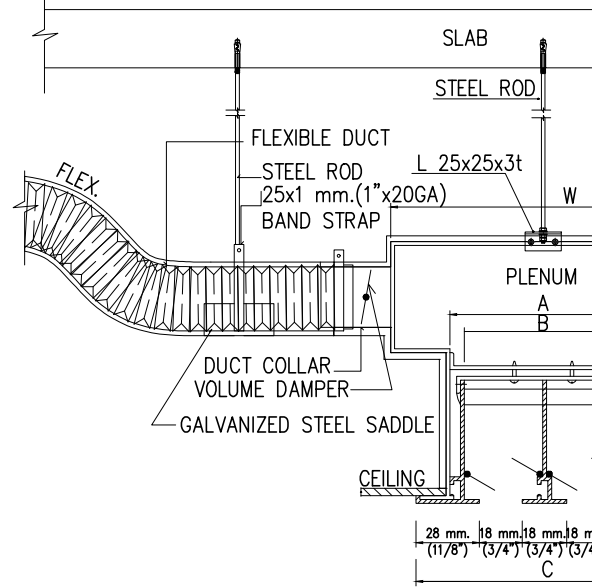








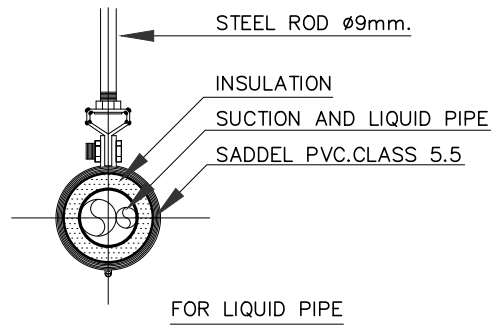
EXTERIOR WALL LOUVER ; OUT SIDE AIR/EXHAUST



NO OF SLOT	SLOT mm.(INCH)		
	A	B	C
1	47 (1 7/8")	40 (1 5/8")	75 (3")
2	84 (3 3/8")	78 (3 1/8")	112 (4 1/2")
3	122 (4 7/8")	115 (4 5/8")	150 (6")

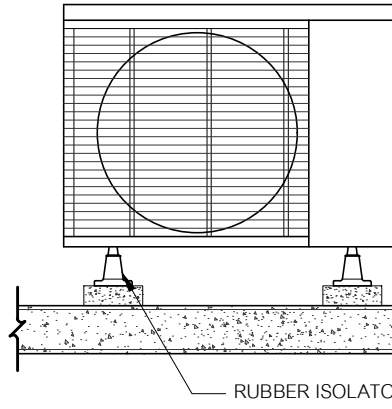
SLOT DIFFUSER AND AIR PLENUM

ROD $\phi 9\text{mm.}$
 INSULATION WITH
 DENSITY 0.635mm.(24 GAUGE)

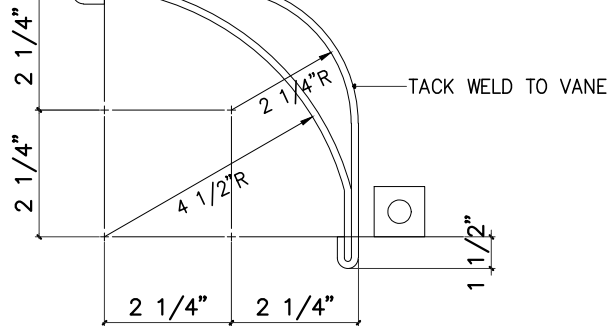
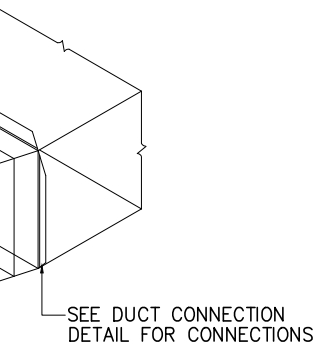


PIPE

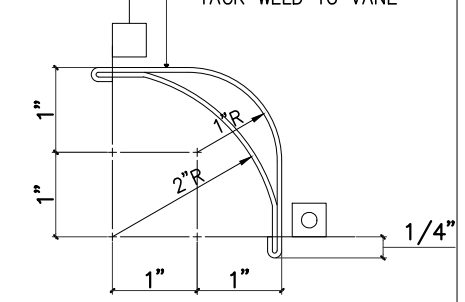
NOTE



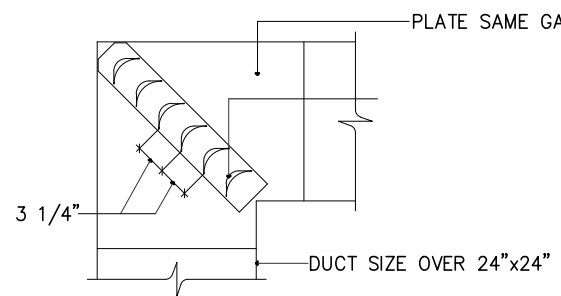
RUBBER ISOLATOR



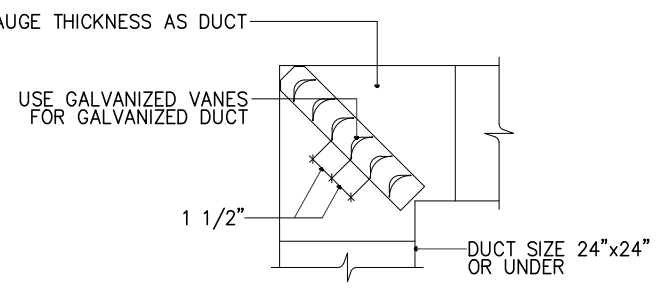
TYPE "A" VANES USED IN DUCTS OVER 24"x24" SAME GAUGE THICKNESS AS DUCT, TO EXCEED 20 U.S.GAUGE



TYPE "B" VANED USED IN DUCTS 24"x24" AND UNDER SAME GAUGE THICKNESS



SQUARE ELBOW WITH TYPE "A" DOUBLE THICKNESS VANES



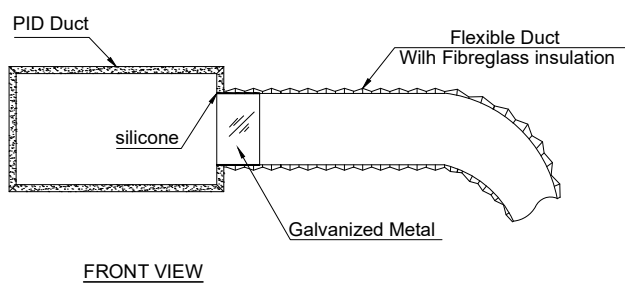
SQUARE ELBOW WITH TYPE "B" DOUBLE THICKNESS VANES

PLATE NO.	DIMENSION OF LONGEST SIDE OF DUCT mm.(IN)
6	UP TO 300 (12")
6	325-450 (13"-18")
7, 7A	(19"-30") 475-750
8	775-1050 (31"-42")
9	1075-1350 (43"-54")
9	1375-1500 (55"-60")
10	1525-2100 (61"-84")
11	2125-2400 (85"-96")
12	OVER 2400 (96")

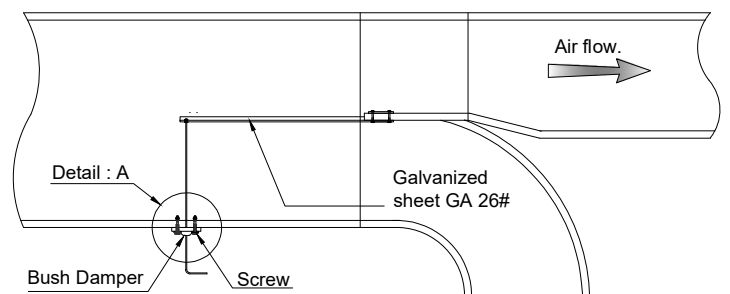
H (HEIGHT DIMENSION) UP TO 1050
 H (HEIGHT DIMENSION) 1075 TO 2400
 H (HEIGHT DIMENSION) OVER 2400

TURNING VANE, SQUARE ELBOW TURNING VANE

wire
 ge Min



FRONT VIEW



Support
 Width