

DELINE ARCHITECTS
3/96 Vipawadi-Rangsit 3
Chatuchak Bangkok 10900

PROJECT
โครงการออกแบบปรับปรุง ชั้น 1,5
สำนักงานคณะกรรมการส่งเสริมการลงทุน

1,5/F BOI INTERIOR OFFICE

OWNER
สำนักงานคณะกรรมการ
ส่งเสริมการลงทุน

ARCHITECT

INTERIOR DESIGNER

STRUCTURAL ENGINEER

SANITARY ENGINEER

ELECTRICAL ENGINEER

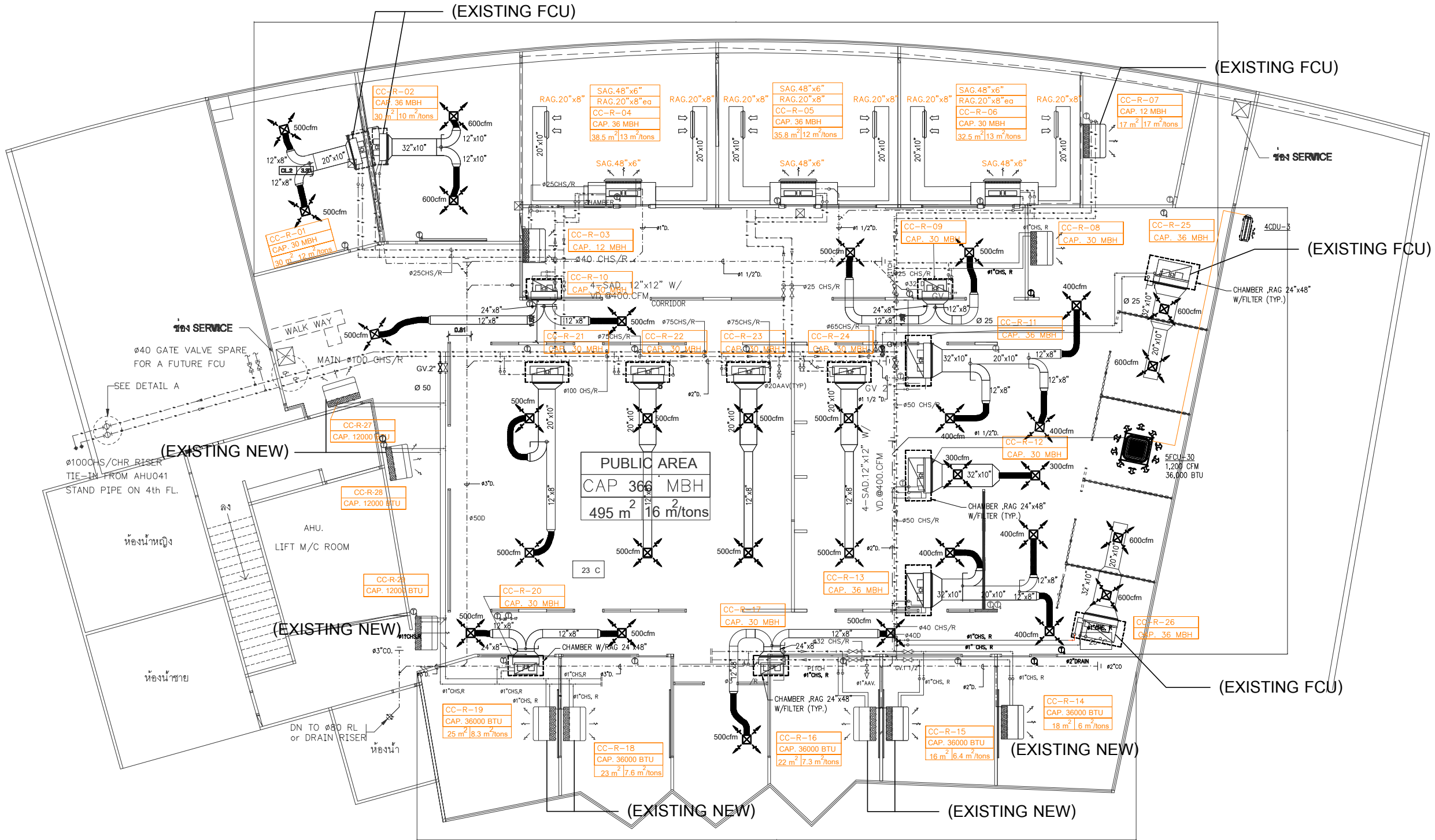
REV.	DATE	STAGE
1	10.11.14	FOR FINAL REVIEW

TITLE

แปลนระบบปรับอากาศ
ชั้นที่ 5

JOB NO. 1329	DWG. NO. AC-03
SCALE A3.1:150	
DATE 16.01.15	DRAWN BY CS

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GRILLE & DIFFUSER SCHEDULE

10"x10" SQUARE CEILING DIFFUSER W/VD @ 250 CFM
12"x12" SQUARE CEILING DIFFUSER W/VD @ 400 CFM
14"x14" SQUARE CEILING DIFFUSER W/VD @ 500 CFM
16"x16" SQUARE CEILING DIFFUSER W/VD @ 600 CFM

FLEXIBLE ROUND DUCT SCHEDULE

14"Ø FOR 600-800 CFM.
12"Ø FOR 400-500 CFM.
10"Ø FOR 250-360 CFM.
8"Ø FOR 150-240 CFM.
6"Ø FOR 80-140 CFM.
4"Ø FOR 50 CFM.

หมายเหตุ

- ผู้รับจ้างต้องทำ DUCT ใหม่ตามแบบ
- ผู้รับจ้างต้องทำ CHAMBER ครอบ FAN COIL ชนิด CEILING CONCEAL และสำรวจซ่อมแซมเครื่องให้สมบูรณ์พร้อมล่างทำความสะอาด FAN COIL
- ผู้รับจ้างต้องสำรวจซ่อมแซมจำนวนหม้อน้ำที่ชำรุดให้สมบูรณ์
- ให้ผู้รับจ้างเดินท่อน้ำทิ้งใหม่ตามแบบพร้อมหม้อฉนวน CLOSED CELL ELASTOMETRIC FOAM INSULATION
- ให้ผู้รับจ้างตรวจสอบ FAN COIL ทุกชนิดสำรวจซ่อมแซมเครื่องให้สมบูรณ์พร้อมล่างทำความสะอาด
- ให้ผู้รับจ้างทำความสะอาดหัวเพื่อนำกลับมาใช้ใหม่

2

แปลนระบบปรับอากาศ ชั้นที่ 5

AC-01-04_5 th.A6 SCALE

1:150

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1	10.11.14	FOR FINAL REVIEW

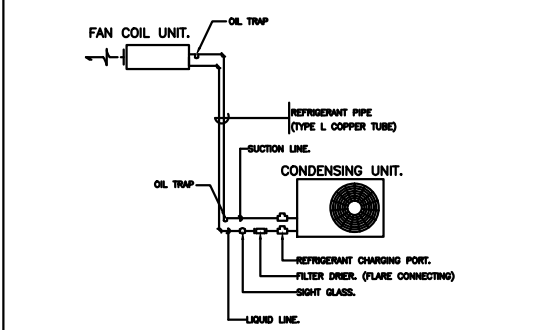
TITLE

แบบขยายทั่วไป

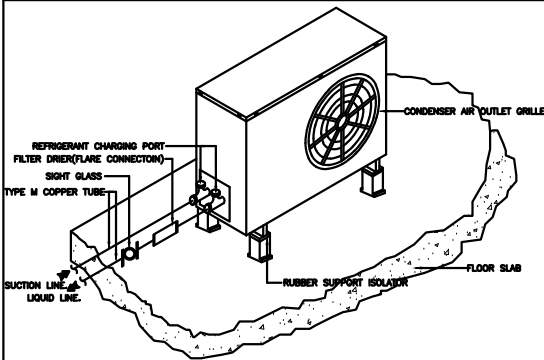
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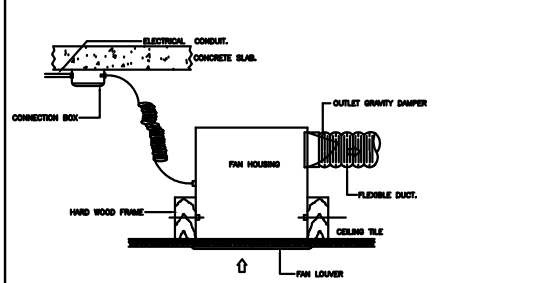
SCHEMATIC PIPING DIAGRAM FOR SPLIT TYPE A/C UNIT.



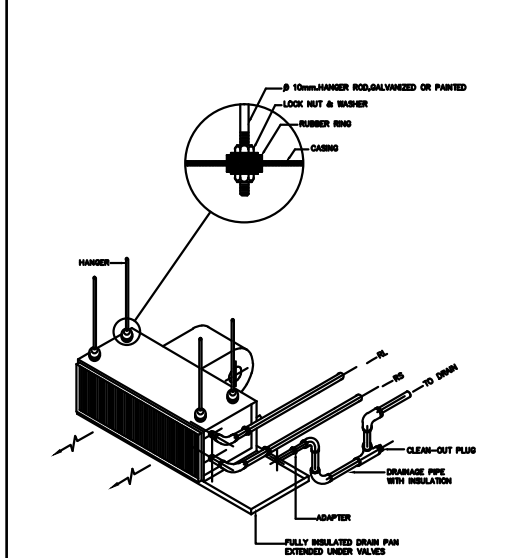
SPLIT SYSTEM AIR COOLED CONDENSING UNIT.
(UPTO 5 TONS)



CEILING MOUNTED FAN



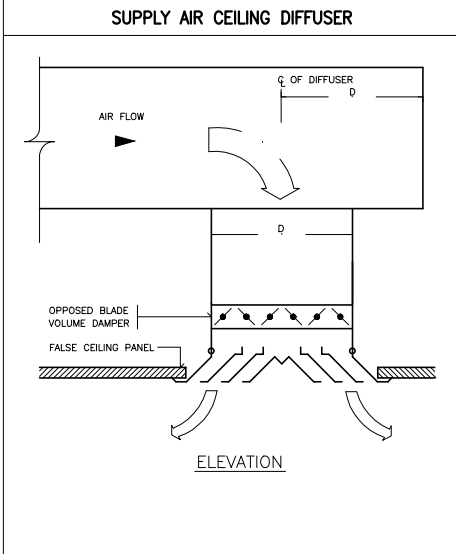
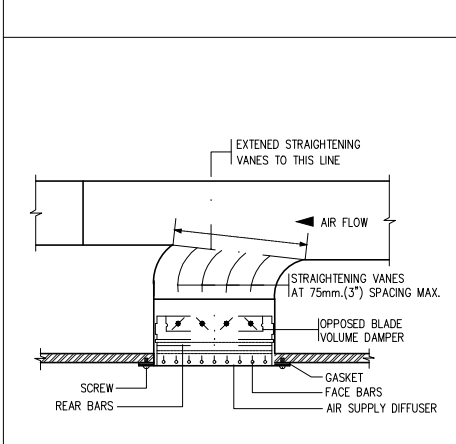
CONCEALED SPLIT TYPE



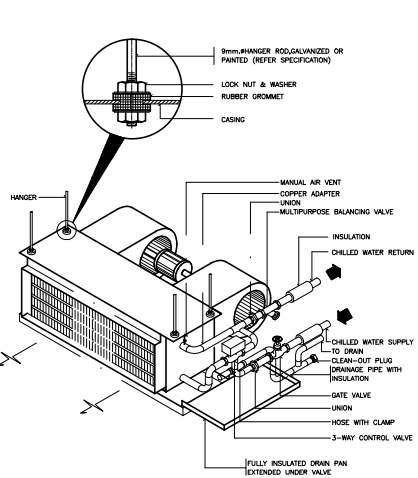
Drawing Title : **????????? FCU**
SUSPENDED MOUNTED HORIZONTAL DISCHARGE TYPE FAN COIL UNIT.

JOINT OF DUCT CONSTRUCTION

AT JOINTS									
DIMENSION OF LONGEST SIDE OF DUCT	FLANK'S SLIP(B)	HEIMED'S SLIP(C)	FLANK'S SLIP(B)	HEIMED'S SLIP(C)	FLANK'S SLIP(B)	HEIMED'S SLIP(C)	FLANK'S SLIP(B)	HEIMED'S SLIP(C)	FLANK'S SLIP(B)
	STEEL METAL GASKETS FOR STATIC PRESSURE	STEEL METAL GASKETS FOR STATIC PRESSURE	STEEL METAL GASKETS FOR STATIC PRESSURE	STEEL METAL GASKETS FOR STATIC PRESSURE	STEEL METAL GASKETS FOR STATIC PRESSURE	STEEL METAL GASKETS FOR STATIC PRESSURE	STEEL METAL GASKETS FOR STATIC PRESSURE	STEEL METAL GASKETS FOR STATIC PRESSURE	STEEL METAL GASKETS FOR STATIC PRESSURE
mm.(N)	mm.(N)	mm.(N)	mm.(N)	mm.(N)	mm.(N)	mm.(N)	mm.(N)	mm.(N)	mm.(N)
UP TO 300 (12")	280A(24GA)	A-B	-	-	-	-	-	-	-
325-400 (12"-16")	240A(22GA)	A-B	-	-	-	-	-	-	-
425-500 (16"-20")	240A(22GA)	K	-	-	-	-	-	-	-
525-600 (20"-24")	225A(20GA)	K	-	-	-	-	-	-	-
625-700 (24"-30")	225A(20GA)	K	-	-	-	-	-	-	-
725-800 (30"-36")	225A(20GA)	K	-	-	-	-	-	-	-
825-900 (36"-42")	225A(20GA)	K	-	-	-	-	-	-	-
925-1000 (42"-48")	225A(20GA)	K	-	-	-	-	-	-	-
1025-1100 (48"-54")	225A(20GA)	K	-	-	-	-	-	-	-
1125-1200 (54"-60")	225A(20GA)	K	-	-	-	-	-	-	-
1225-1300 (60"-66")	225A(20GA)	K	-	-	-	-	-	-	-
1325-1400 (66"-72")	225A(20GA)	K	-	-	-	-	-	-	-
1425-1500 (72"-78")	225A(20GA)	K	-	-	-	-	-	-	-
1525-1600 (78"-84")	225A(20GA)	K	-	-	-	-	-	-	-
1625-1700 (84"-90")	225A(20GA)	K	-	-	-	-	-	-	-
1725-1800 (90"-96")	225A(20GA)	K	-	-	-	-	-	-	-
1825-1900 (96"-102")	225A(20GA)	K	-	-	-	-	-	-	-
1925-2000 (102"-108")	225A(20GA)	K	-	-	-	-	-	-	-
2025-2100 (108"-114")	225A(20GA)	K	-	-	-	-	-	-	-
2125-2200 (114"-120")	225A(20GA)	K	-	-	-	-	-	-	-
2225-2300 (120"-126")	225A(20GA)	K	-	-	-	-	-	-	-
2325-2400 (126"-132")	225A(20GA)	K	-	-	-	-	-	-	-
2425-2500 (132"-138")	225A(20GA)	K	-	-	-	-	-	-	-
2525-2600 (138"-144")	225A(20GA)	K	-	-	-	-	-	-	-
2625-2700 (144"-150")	225A(20GA)	K	-	-	-	-	-	-	-
2725-2800 (150"-156")	225A(20GA)	K	-	-	-	-	-	-	-
2825-2900 (156"-162")	225A(20GA)	K	-	-	-	-	-	-	-
2925-3000 (162"-168")	225A(20GA)	K	-	-	-	-	-	-	-
3025-3100 (168"-174")	225A(20GA)	K	-	-	-	-	-	-	-
3125-3200 (174"-180")	225A(20GA)	K	-	-	-	-	-	-	-
3225-3300 (180"-186")	225A(20GA)	K	-	-	-	-	-	-	-
3325-3400 (186"-192")	225A(20GA)	K	-	-	-	-	-	-	-
3425-3500 (192"-198")	225A(20GA)	K	-	-	-	-	-	-	-
3525-3600 (198"-204")	225A(20GA)	K	-	-	-	-	-	-	-
3625-3700 (204"-210")	225A(20GA)	K	-	-	-	-	-	-	-
3725-3800 (210"-216")	225A(20GA)	K	-	-	-	-	-	-	-
3825-3900 (216"-222")	225A(20GA)	K	-	-	-	-	-	-	-
3925-4000 (222"-228")	225A(20GA)	K	-	-	-	-	-	-	-
4025-4100 (228"-234")	225A(20GA)	K	-	-	-	-	-	-	-
4125-4200 (234"-240")	225A(20GA)	K	-	-	-	-	-	-	-
4225-4300 (240"-246")	225A(20GA)	K	-	-	-	-	-	-	-
4325-4400 (246"-252")	225A(20GA)	K	-	-	-	-	-	-	-
4425-4500 (252"-258")	225A(20GA)	K	-	-	-	-	-	-	-
4525-4600 (258"-264")	225A(20GA)	K	-	-	-	-	-	-	-
4625-4700 (264"-270")	225A(20GA)	K	-	-	-	-	-	-	-
4725-4800 (270"-276")	225A(20GA)	K	-	-	-	-	-	-	-
4825-4900 (276"-282")	225A(20GA)	K	-	-	-	-	-	-	-
4925-5000 (282"-288")	225A(20GA)	K	-	-	-	-	-	-	-
5025-5100 (288"-294")	225A(20GA)	K	-	-	-	-	-	-	-
5125-5200 (294"-300")	225A(20GA)	K	-	-	-	-	-	-	-
5225-5300 (300"-306")	225A(20GA)	K	-	-	-	-	-	-	-
5325-5400 (306"-312")	225A(20GA)	K	-	-	-	-	-	-	-
5425-5500 (312"-318")	225A(20GA)	K	-	-	-	-	-	-	-
5525-5600 (318"-324")	225A(20GA)	K	-	-	-	-	-	-	-
5625-5700 (324"-330")	225A(20GA)	K	-	-	-	-	-	-	-
5725-5800 (330"-336")	225A(20GA)	K	-	-	-	-	-	-	-
5825-5900 (336"-342")	225A(20GA)	K	-	-	-	-	-	-	-
5925-6000 (342"-348")	225A(20GA)	K	-	-	-	-	-	-	-
6025-6100 (348"-354")	225A(20GA)	K	-	-	-	-	-	-	-
6125-6200 (354"-360")	225A(20GA)	K	-	-	-	-	-	-	-
6225-6300 (360"-366")	225A(20GA)	K	-	-	-	-	-	-	-
6325-6400 (366"-372")	225A(20GA)	K	-	-	-	-	-	-	-
6425-6500 (372"-378")	225A(20GA)	K	-	-	-	-	-	-	-
6525-6600 (378"-384")	225A(20GA)	K	-	-	-	-	-	-	-
6625-6700 (384"-390")	225A(20GA)	K	-	-	-	-	-	-	-
6725-6800 (390"-396")	225A(20GA)	K	-	-	-	-	-	-	-
6825-6900 (396"-402")	225A(20GA)	K	-	-	-	-	-	-	-
6925-7000 (402"-408")	225A(20GA)	K	-	-	-	-	-	-	-
7025-7100 (408"-414")	225A(20GA)	K	-	-	-	-	-	-	-
7125-7200 (414"-420")	225A(20GA)	K	-	-	-	-	-	-	-
7225-7300 (420"-426")	225A(20GA)	K	-	-	-	-	-	-	-
7325-7400 (426"-432")	225A(20GA)	K	-	-	-	-	-	-	-
7425-7500 (432"-438")	225A(20GA)	K	-	-	-	-	-	-	-
7525-7600 (438"-444")	225A(20GA)	K	-	-	-	-	-	-	-
7625-7700 (444"-450")	225A(20GA)	K	-	-	-	-	-	-	-
7725-7800 (450"-456")	225A(20GA)	K	-	-	-	-	-	-	-
7825-7900 (456"-462")	225A(20GA)	K	-	-	-	-	-	-	-
7925-8000 (462"-468")	225A(20GA)	K	-	-	-	-	-	-	-
8025-8100 (468"-474")	225A(20GA)	K	-	-	-	-	-	-	-
8125-8200 (474"-480")	225A(20GA)	K	-	-	-	-	-	-	-
8225-8300 (480"-486")	225A(20GA)	K	-	-	-	-	-	-	-
8325-8400 (486"-492")	225A(20GA)	K	-	-	-	-	-	-	-
8425-8500 (492"-498")	225A(20GA)	K	-	-	-	-	-	-	-
8525-8600 (498"-504")	225A(20GA)	K	-	-	-	-	-	-	-
8625-8700 (504"-510")	225A(20GA)	K	-	-	-	-	-	-	-
8725-8800 (510"-516")	225A(20GA)	K	-	-	-	-	-	-	-
8825-8900 (516"-522")	225A(20GA)	K	-	-	-	-	-	-	-
8925-9000 (522"-528")	225A(20GA)	K	-	-	-	-	-	-	-
9025-9100 (528"-534")	225A(20GA)	K	-	-	-	-	-	-	-
9125-9200 (534"-540")	225A(20GA)	K	-	-	-	-	-	-	-
9225-9300 (540"-546")	225A(20GA)	K	-	-	-	-	-	-	-
9325-9400 (546"-552")	225A(20GA)	K	-	-	-	-	-	-	-
9425-9500 (552"-558")	225A(20GA)	K	-	-	-	-	-	-	-
9525-9600 (558"-564")	225A(20GA)	K	-	-	-	-	-	-	-
9625-9700 (564"-570")	225A(20GA)	K	-	-	-	-	-	-	-
9725-9800 (570"-576")	225A(20GA)	K	-	-	-	-	-	-	-
9825-9900 (576"-582")	225A(20GA)	K	-	-	-	-	-	-	-
9925-10000 (582"-588")	225A(20GA)	K	-	-	-	-	-	-	-



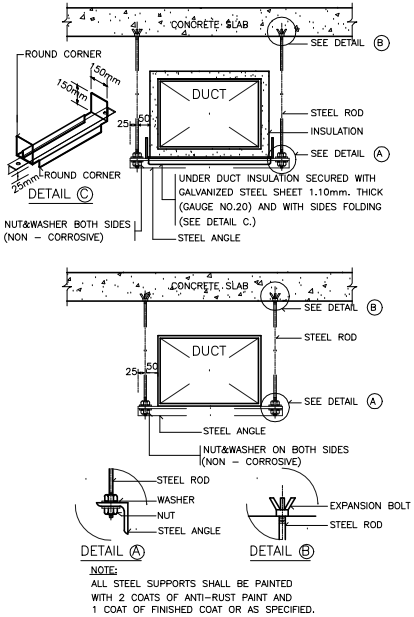
CEILING MOUNTED FAN-COIL UNIT



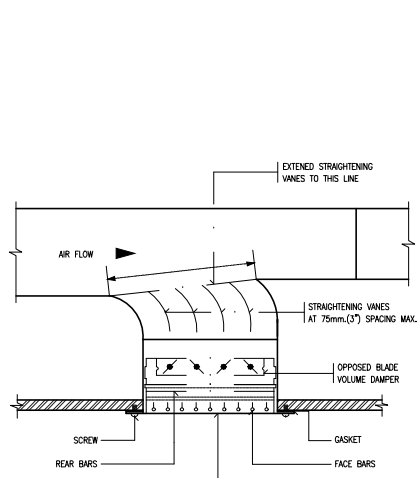
NOTE: 1. WHERE APPLICABLE, FLEXIBLE DUCT CONNECTION SHALL BE AIR TIGHTED.
2. ACOUSTIC DUCT LINER SHALL BE APPLIED INSIDE SUPPLY AIR DUCT.
3. DISCONNECT SWITCH WITH FUSE SHALL BE PROVIDED NEAR FAN-COIL UNIT.
4. ELECTRICAL WIRING SHALL BE MULTICORE NY TYPE.

3 - WAY CONTROL VALVE

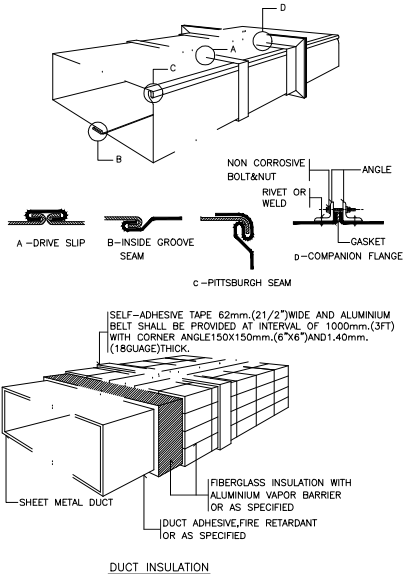
DUCT HANGER AND SUPPORTS.



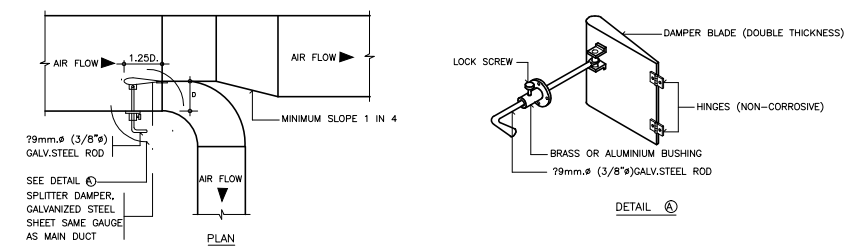
SUPPLY AIR DIFFUSER (กรณีติดตั้งภายใน DUCT)



RECTANGULAR DUCT CONSTRUCTION



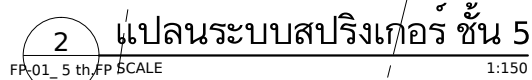
SPLITTER DAMPER



[illegible]

เปลี่ยนระบบสปริงเกอร์ ชั้น 5
ชั้นที่ 5

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PIPE SCHEDULE FOR SPRINKLER.

PIPE SIZE.(INCH.)	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
NO. OF SPRINKLER. ALLOWED	≤2	≤3	≤5	≤10	≤20	≤40	≤100