



LEGENDS :-

- Chilled Water Air Handling Unit (AHU)
- Supply Air Motorised Damper
- Control Panel
- AHU Plinth
- Condensate Drain Piping c/w 9.5mm Thickness Insulation
- CHWS Piping
- CHWR Piping
- Duct (IA Series)
- Inner duct layer : Non-Flammable Material Thermal insulation : FM approved & Class 0 (Durkflex) Outer Insulation Layer : Non-Flammable Material

SCHEDULE FOR PREINSULATED BLACK WELDED STEEL PIPE - CLASS C

Pipe Ø	Jacket thk	Weight/ 6M (kg.)
15	80	17
20	102	20
25	102	26
32	127	35
40	127	38
50	152	52
65	152	62
80	175	80
100	203	106
125	254	136
150	279	157
200	318	224
250	375	307
300	432	388
350	452	475

AHU EQUIPMENT SCHEDULE (MANUFACTURING AREA)

ITEM NO.	AREA/SPACE DESCRIPTION	FCU TAG NO	"DAIKIN" MODEL	AC. QTY	AC. NOMINAL PERFORMANCE PER UNIT					DIMENSION (HxWxD) mm	UNIT WEIGHT (KG)	OPERATION UNIT WEIGHT (KG)	ON-OFF SWITCH/ CONTROL PANEL
					AIR FLOW RATE (CFM)	COOLING CAPACITY (BTU/HR)	CHW FLOW RATE (USGPM)	PIPE SIZE (Ø)	ELECTRICAL LOAD (KW/PHASE)				
1	MANUFACTURING AREA	AHU 01 (DD)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
2		AHU 02 (DD)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
3		AHU 03 (SB)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
4		AHU 04 (DD)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
5		AHU 05 (DD)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
6		AHU 06 (SB)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
7		AHU 07 (DD)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
8		AHU 08 (DD)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
9		AHU 09 (SB)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
10		AHU 10 (DD)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
11		AHU 11 (DD)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
12		AHU 12 (SB)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
13		AHU 13 (DD)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
14		AHU 14 (DD)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
15		AHU 15 (SB)	DM2-2027	1	30,000	920,933	193	76	24.46 (3Ø)	2550x3150x2700	1787.9 kg	2145.5 kg	CONTROL PANEL
16		AHU 16 (DD)	DM1-1319	1	14,500	438,170	92	50	12.70 (3Ø)	1780x2300x2000	817.7 kg	981.3 kg	CONTROL PANEL
17		AHU 17 (DD)	DM1-1319	1	14,500	438,170	92	50	12.70 (3Ø)	1780x2300x2000	817.7 kg	981.3 kg	CONTROL PANEL
18		AHU 18 (SB)	DM1-1319	1	14,500	438,170	92	50	12.70 (3Ø)	1780x2300x2000	817.7 kg	981.3 kg	CONTROL PANEL

NOTE:
 (DD) - DAY DUTY
 (SB) - STANDBY



CONDENSATE DRAIN PIPING LAYOUT

AS-BUILT DRAWING

NOTICE
 This drawing and all information thereon is the property of HVAR engineering services sdn. bhd. No.5A & 5B, Jalan Sepadu A25/A, Taman Perindustrian Axis, Seksyen 25, 40400 Shah Alam, Selangor Darul Ehsan. Tel :- 03-51248218 Fax :- 03-51248219/20
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 Air Conditioning Is Our Business Since 1979

Project Name :
 CADANGAN PEMBANGUNAN KILANG
 PENGELUARAN KOMPONEN KAPAL TERBANG 1
 TINGKAT DAN PEJABAT 3 TINGKAT DI ATAS
 SEBAHAGIAN LOT 1210, SEKSYEN U3, 40150
 MUKIM DAMANSARA, DAERAH PATALING,
 SELANGOR DARUL EHSAN.
 UNTUK TETUAN :
 RHB TRUSTEES BERHAD
 (As Trustee for Axis Real Estate Investment Trust)

Subject :
 Condensate Drain Piping Layout
 (MANUFACTURING AREA)

Checked By : Charlie
 Designed By : Charlie
 Drawn By : Siti
 Date : 02/01/19 Job Ref : 034-2018-AXIS-SA
 Scale : 1:250 (A1)
 Drawing No : HES/AXIS/SA/034/03/18-CWP.MA (ABD)