

SUPPLY AIR SYSTEM SCHEDULE HORIZONTAL DRAW THRU, BELT DRIVE

UNIT NO.	APPLICATION	LOCATION	BASIS OF DESIGN		ACCEPTABLE MANUFACTURERS	FAN DATA				MOTOR	COILS		CHILLED WATER COOLING COIL								HOT WATER HEATING COIL				FILTERS	HUMIDIFIER	REMARKS					
			MANUFACTURER	MODEL		L/S	ESP (Pa)	BHP	RPM		KW	ELECT. DATA	FACE AREA M ²	FACE VELOCITY M/SEC	ENT. AIR DB°C	WBG°C	LVG. AIR DB°C	WBG°C	ENT. WAT. C	LVG. WAT. C	WATER FLOW L/S	AIR FRICT. Pa	WATER P.D. KPa	ENT. AIR DB°C				LVG. AIR DB°C	ENT. WAT. C	LVG. WAT. C	WATER FLOW L/S	AIR FRICT. Pa
AHU #5	OFFICE AREAS	MECH. RM. HOLLAND BLDG	DAIKIN	CAH017GHAC	YORK, TRANE OR EQUAL	3660	1000	5.6kw	194	7.5kw	600/3/60	1.56	2.35	25	18.9	13.5	12.9	7.2	14	2.65	12.7	24	12.8	24.4	82.2	70.6	1.15	37	9.0	MERV8 PLEATED FLAT FILTER MERV14 RIGID FINAL FILTER	17kg/HR, 6KW ELECTRIC STEAM HUMIDIFIER, STEAM DISTRIBUTION MANIFOLD HAVING AN ABSORPTION DISTANCE OF 450mm AT 12.8°C, 35% RH (MOUNTED INSIDE THE UNIT ENTERING AIR CONDITIONS, 600/3/60)	VARIABLE VOLUME FAN C/W VARIABLE SPEED DRIVE MINIMUM OUTSIDE AIR 15% (550 L/s), MIXING BOX SECTION, BLENDER SECTION, SINGLE POINT POWER SUPPLY

GRILLE/DIFFUSER SCHEDULE

SYMBOL	BASIS OF DESIGN		ACCEPTABLE MANUFACTURERS	TYPE	NECK SIZE mm	CLG. SIZE mm	CAPACITY L/S	NC LEVEL	SP Pa.	REMARKS
(A)	E.H. PRICE	SCD	TITUS, NAILOR OR EQUAL	SQUARE CEILING	150 DIA.	600x600	AS INDICATED	23	25	C/W OFF WHITE FINISH LESS OBD 3 CONE STEEL CONSTRUCTION, LAY-IN
(B)	E.H. PRICE	SCD	TITUS, NAILOR OR EQUAL	SQUARE CEILING	200 DIA.	600x600	AS INDICATED	23	25	C/W OFF WHITE FINISH LESS OBD 3 CONE STEEL CONSTRUCTION, LAY-IN
(C)	E.H. PRICE	SCD	TITUS, NAILOR OR EQUAL	SQUARE CEILING	250 DIA.	300x300	AS INDICATED	23	25	C/W OFF WHITE FINISH LESS OBD 3 CONE STEEL CONSTRUCTION, LAY-IN
(R)	E.H. PRICE	PDDR	TITUS, NAILOR OR EQUAL	PERFORATED PANEL	---	600x600	AS INDICATED	23	25	C/W OFF WHITE FINISH, LAY-IN T-BAR

NOTES:

- AHU-5 FANS AND MOTORS TO BE COMPLETE WITH INTERNAL SPRING ISOLATORS MOUNTS.
- MIXING BOX DAMPERS TO BE PROVIDED BY THE UNIT MANUFACTURER. DAMPER ACTUATORS TO BE SUPPLIED BY CONTROLS CONTRACTOR.
- SUPPLY FAN MOTOR TO BE COMPLETE WITH VARIABLE SPEED DRIVES.
- SUPPLIER TO REFER TO CONTROLS DRAWINGS AND COORDINATE WITH THE CONTROLS CONTRACTOR FOR UNIT CONTROLS REQUIREMENTS.
- HUMIDIFIER MANIFOLD TO BE MOUNTED IN THE UNIT. PROVIDE SPACE FOR THE MANIFOLD AND 600mm ABSORPTION.

RETURN FAN SCHEDULE

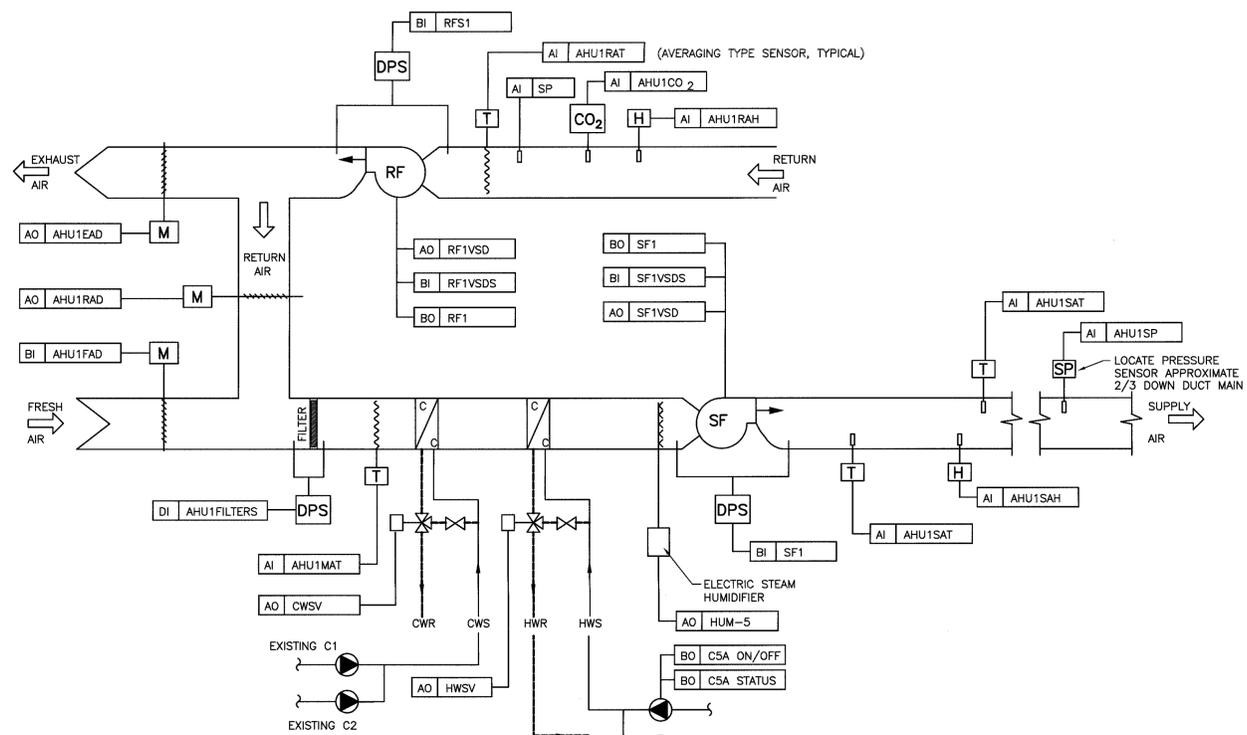
UNIT NO.	SERVICE	BASIS OF DESIGN		ACCEPTABLE MANUFACTURERS	TYPE	AIR FLOW L/S	TOTAL STATIC PRESSURE (Pa)	ELECTRIC MOTOR		COMMENTS
		MANUFACTURER	MODEL					(kw)	SERVICE	
RF-6	AHU-5	LOREN COOK	QMX-300	GREENHECK, TWIN CITY OR EQUAL	BELT DRIVE MIXED FLOW	3300	100	1.49	600/3/60	448 RPM, FAN MOTOR C/W VARIABLE SPEED DRIVE, ALUMINUM WHEELS C/W SPRING ISOLATION HANGERS, BELT GUARD

PUMP SCHEDULE

SYMBOL	SERVICE	LOCATION	BASIS OF DESIGN		ACCEPTABLE MANUFACTURERS	FLUID	FLOW at P.D. L/s at kPa	MOTOR			REMARKS
			MANUFACTURER	MODEL				RPM	W	VOLTAGE	
P-5A/P-5B	AHU-5	PENTHOUSE 2	GRUNDFOS	MAGNA 3 40-120F	BELL & GOSSETT, ARMSTRONG OR EQUAL	WATER	1.15 @ 48	2465	442	120/1φ	-

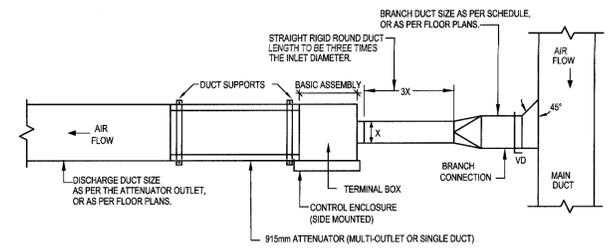
TERMINAL UNIT SCHEDULE

SYMBOL	BASIS OF DESIGN		ACCEPTABLE MANUFACTURERS	AIRFLOW L/s	NECK SIZE	BRANCH SIZE	ACCESSORIES AND / OR REMARKS
	MANUFACTURER	MODEL					
(A)	EH PRICE	SDV5000	TITUS, NAILOR OR EQUAL	0-115	125	300x150	INLET SENSOR, SEE DETAIL A2/MV603
(B)	EH PRICE	SDV5000	TITUS, NAILOR OR EQUAL	116-160	150	350x150	INLET SENSOR, SEE DETAIL A2/MV603
(C)	EH PRICE	SDV5000	TITUS, NAILOR OR EQUAL	161-280	200	400x200	INLET SENSOR, SEE DETAIL A2/MV603
(D)	EH PRICE	SDV5000	TITUS, NAILOR OR EQUAL	281-420	250	450x250	INLET SENSOR, SEE DETAIL A2/MV603
(E)	EH PRICE	SDV5000	TITUS, NAILOR OR EQUAL	421-610	300	450x300	INLET SENSOR, SEE DETAIL A2/MV603



- NOTES:**
- CONTROL CONTRACTOR TO COORDINATE WITH AHU MANUFACTURER.
 - ALL AHU DAMPERS SUPPLIED WITH UNIT, ALL ACTUATORS BY CONTROLS CONTRACTOR.
 - ALL 120V WIRING REQUIRED TO POWER DDC CONTROL PANELS BY CONTROLS CONTRACTOR.
 - ALL 120V CONTROL WIRING REQUIRED FOR 600V STARTERS BY CONTROLS CONTRACTOR.
 - ALL CONTROL WIRING RUN IN MECHANICAL ROOMS AND EXPOSED AREAS TO BE IN EMT.
 - CONTROLS CONTRACTOR TO PROVIDE AND INSTALL ALL CURRENT SENSING RELAYS REQUIRED FOR EQUIPMENT STATUS POINTS.
 - VARIABLE SPEED DRIVES SUPPLIED BY UNIT MANUFACTURER.
 - NEW BAS COMPONENTS ARE TO BE INCORPORATED INTO BUILDING'S EXISTING BAS SYSTEM.

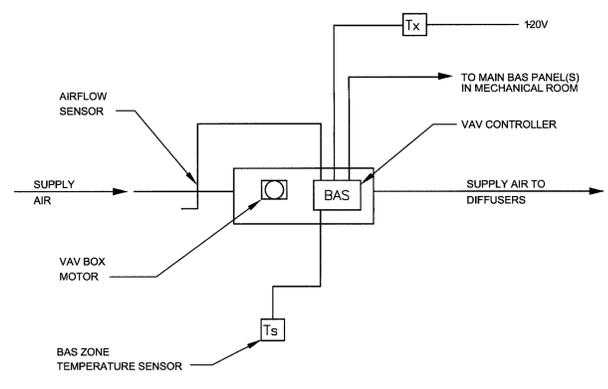
AHU-5 CONTROL SCHEMATIC
N.T.S.



TYPICAL TERMINAL UNIT CONNECTION DETAIL
N.T.S.

NOTES:

- CONTROL TRANSFORMER AND ALL ASSOCIATED WIRING 24V BY THE CONTROL CONTRACTOR. ALL 120V TRANSFORMER WIRING BY CONRROLS CONTRACTOR.



TYPICAL VAV ZONE CONTROL
N.T.S.



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