

**SCHEDULE REFERENCE NUMBER**

**EQUIPMENT**

1	Air Handling Units
2	Air Cooled Condensing Units
3	Differential Pressure Control Valves
4	Fans
5	Attenuators
6	Split System Air Conditioner
7	Electric Heat Transfer Terminal Units
8	Supply Diffusers
9	Extract Grilles
10	Louvres
11	Louvre/Filter Units
12	Pumps

**NOTE:**

**THE CONTRACTOR SHALL RESUBMIT THE EQUIPMENT SCHEDULES WITH ALL OF THE BLANK DATA BOXES COMPLETED IN ACCORDANCE WITH THE CONTRACTORS PROPOSED EQUIPMENT SELECTIONS.**

Revision 'A' - November 1994 - Construction Issue - Appendix to schedules 10 and 11 (louvre/louvre filter units) omitted.

**AIR HANDLING UNIT**

**LOCATION: SERVICE BUILDING HVAC BUILDING**

**REF NO: AHU1/AHU2 (RUN AND STANDBY UNITS)**

**SYSTEM: CONTROL ROOM + VBE CUBICLE AIR CONDITIONING**

**OVERALL DIMENSION:**

**TYPE: UNIT COMPRISSES- MIXING SECTION (WITH MOTORIZED DAMPERS), PRE-FILTER, MAIN FILTER, SPRAY HUMIDIFIER, DX COOLING COIL, FILTRATORS, ACCESS, ELECTRIC HEATER BATTERY, FAN SECTION**

PRE-HEATER	AIR ON-COIL		AIR OFF-COIL		WATER		FLOW kg/s	ΔP kPa
	DB° C	WB° C	DB° C	WB° C	ON° C	OFF° C		
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**FILTER**  
 PANEL TYPE PRE-FILTER:- 80 - 90% ARRESTANCE - ASHRAE 52 - 76  
 BAG TYPE MAIN FILTER :- 80 - 90% EFFICIENCY - ASHRAE 52 - 76

COOLING COIL (DIRECT EXPANSION)	AIR ON-COIL		AIR OFF-COIL		NUMBER OF CIRCUITS
	DB° C	WB° C	DB° C	WB° C	
	29.5	20.5	14	13.5	2

HUMIDIFIER	TYPE	AIR ON °C	AIR OFF °C	FLOW kg/s
	ADIABATIC SPRAY	23.5/17	19/17	0.034

HEATER (ELECTRIC)	AIR ON-COIL		AIR OFF-COIL		DUTY
	DB° C	WB° C	DB° C	WB° C	
	23.5	17.0	31.5	19.8	130 kw

FAN SECTION	TYPE	VOL m3/s	EXT.R Pa	FAN RPM	MOTOR kW
	BACKWARD CURVE BELT DRIVEN	12.484	600	940	30

NOISE LEVELS	MAX SOUND POWER LEVEL dB RE-10-12 WATTS			
	63	125	250	500

FAN SOUND P.L. UNIT CASING NOISE INSERTION LOSS	12	16	23	30	35	4K	8K



**AIR HANDLING UNIT**

**LOCATION:** SERVICE BUILDING HVAC BUILDING      **REF NO:** AHU4  
**SYSTEM:** GENERAL VENTILATION      **OVERALL DIMENSION:**

**TYPE:** 100% FRESH AIR - UNIT COMPLESES- MOTORISED INLET DAMPER, PRE-FILTER, MAIN FILTER, SPRAY HUMIDIFIER, ELIMINATORS, ELECTRIC HEATER BATTERY, FAN SECTION

PRE-HEATER	AIR ON-COIL		AIR OFF-COIL		WATER		FLOW kg/s	Δ-P kPa
	DB° C	WB° C	DB° C	WB° C	ON° C	OFF° C		

**FILTER**  
 PANEL TYPE PRE-FILTER:- 80 - 90% ARRESTANCE - ASHRAE 52 - 76  
 BAG TYPE MAIN FILTER :- 80 - 90% EFFICIENCY - ASHRAE 52 - 76

COOLING COIL (DIRECT EXPANSION)	AIR ON-COIL		AIR OFF-COIL		NUMBER OF CIRCUITS
	DB° C	WB° C	DB° C	WB° C	
					2

HUMIDIFIER	TYPE	AIR ON °C	AIR OFF °C	FLOW kg/s
	ADIABATIC SPRAY		40/22.7	24.5/22.7

HEATER (ELECTRIC)	AIR ON-COIL		AIR OFF-COIL		DUTY
	DB° C	WB° C	DB° C	WB° C	
	0	-	15	-	155kW / 160

FAN SECTION	TYPE	VOL m3/s	EXTR Pa	FAN RPM	MOTOR kW
	BACKWARD CURVE BELT DRIVEN	8.27		(600) 460	1040

NOISE LEVELS	MAX SOUND POWER LEVEL dB RE-10-12 WATTS							
	63	125	250	500	1K	2K	4K	8K

FAN SOUND P.L.	UNIT CASING NOISE INSERTION LOSS		35	35	30
	12	16			

Revision A - November 1994 - Construction Issue - AHU's 4A & 4B combined into one unit (AHU 4)

**AIR HANDLING UNIT**

**LOCATION:** VALVE HALLS NO 1 AND NO 2 HVAC BUILDING

**REF NO:** AHU5/AHU6/AHU7/AHU8/AHU9/AHU10

**SYSTEM:** VALVE HALL

**OVERALL DIMENSION:**

**TYPE:** Unit comprises: mixing section (with motorised dampers), pre-filter, electric heater battery, spray humidifier, dx cooling coil, chiller/water, access/return filter, fan section

PRE-HEATER	AIR ON-COIL		AIR OFF-COIL		WATER		FLOW kg/s	ΔP kPa
	DB° C	WB° C	DB° C	WB° C	ON° C	OFF° C		

**FILTER**  
 PANEL TYPE PRE-FILTER:- 80 - 90% ARRESTANCE - ASHRAE 52 - 76  
 BAG TYPE MAIN FILTER :- 80 - 90% EFFICIENCY - ASHRAE 52 - 76

COOLING COIL (DX)	AIR ON-COIL		AIR OFF-COIL		NUMBER OF CIRCUITS
	DB° C	WB° C	DB° C	WB° C	
	47.5 / 48.1	29.3 / 29.6	35.5 / 24.4	26.3 / 22.2	1

HUMIDIFIER	TYPE	AIR ON °C		FLOW kg/s
		AIR ON °C	AIR OFF °C	
	ADIABATIC SPRAY	47/28.5	35.5/28.5	0.042 (0.048)

RE-HEATER (ELECTRIC)	AIR ON-COIL		AIR OFF-COIL		DUTY OUTPUT (kW)
	DB° C	WB° C	DB° C	WB° C	
	15 / 12	11 / 10.5	20 (21)	13 / 14	86kW (108)

FAN SECTION	TYPE	VOL m3/s	EXTR Pa	FAN RPM	MOTOR kW
		8.6	1000	1300	22 kW

NOISE LEVELS	MAX SOUND POWER LEVEL dB RE-10-12 WATTS							
	63	125	250	500	1K	2K	4K	8K
65 - 75 db approx								

FAN SOUND P.L.	UNIT CASING NOISE INSERTION LOSS

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# CONDENSING UNIT

REF NO: C1 & C2 - Associated with AHU1 (Control Room Supply)  
 C3 & C4 - Associated with AHU2 (Control Room Supply)

LOCATION: Service Building HVAC Building No.2

Compressor JS-44

TYPE: Packaged Air Cooled Condensing Units, suitable for External Roof Mounting

Condenser Type		Power Input		Elec Supply			F.L.C. Amps	Start Amps	Control Stages	Ambient		
		Ext Static	Vol m <sup>3</sup> /s	Condenser Coil Type	Compressor	Cond Fan				Volts	Phase	Hz
				Aluminium fins with copper tubes	No	No	415	3	50	4	0°Cdb / 10°Cwb	50°Cdb / 30°Cwb
			2	1	59	2	2.2			25 / 250 / 75 / 100		
<b>MEDIUM</b>		AIR		DUTY (kW)			R 22		4.4	AP kPA	PIPE CONNS	Refrigerant Circuits
				2 x 2.2 = 4.4			Evap.°C		56		2 No	one
<b>REFRIGERANT</b>				160 kW (Each Unit)			Type		Subst. 200			
				166 kW (47.2TR)			MAX SOUND PRESSURE LEVEL dB RE 2 X 10 <sup>-5</sup> Pa (at 1 metre free field)					
<b>OVERALL DIMENSIONS</b>				63			250		500	1k	2k	4k
LENGTH	WIDTH	HEIGHT										dBA
2573	1678	2135										

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# CONDENSING UNIT

**REF NO: C5 & C6 - Associated with AHU3 (Service Building Air Conditioned Rooms)**

**LOCATION: Service Building HVAC Building No.1**

**TYPE: Packaged Air Cooled Units, suitable for External Roof Mounting**

Condenser Type		Condenser Coil Type	Power Input			Elec Supply			F.L.C. Amps	Start AMPS	Control Stages	Ambient	
			Compressor		Cond Fan	Volts	Phase	Hz				min	max
Ext Static	Vol m <sup>3</sup> /s	Aluminium fins with copper tubes	No	kW	No	kW					0°C db/ 0°C wb	50°C db/ 30°C wb	
	9.45		2	12	4	1.1				4 stages			
<b>MEDIUM</b>			DUTY (kW)			Refrigerant			Condensing Temp °C	PIPE CONNS	ΔP kPA	Refrigerant Circuits	
			2 x 11 = 22			Type						2 No	
<b>REFRIGERANT</b>			80 kW (Each Unit)			R 22							
			LS TR 90 kW			Evap. °C							
<b>MAX SOUND PRESSURE LEVEL dB RE 2 X 10<sup>-5</sup> Pa (at 1 metre free field)</b>													
<b>OVERALL DIMENSIONS</b>			63			250			1k		4k		dBa
LENGTH	WIDTH	HEIGHT	125			500			2k				

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# CONDENSING UNIT

**LOCATION:** Valve Hall No.1 HVAC Building  
**REF NO:** C7 Associated with AHU 5 (Valve Hall No.1 Supply)  
 C8 Associated with AHU 6 (Valve Hall No.1 Supply)  
 C9 Associated with AHU 7 (Valve Hall No.1 Supply)

**TYPE:** Packaged Air Cooled Condensing Units, suitable for External Roof Mounting

Condenser Type		Condenser Coil Type		Power Input			Elec Supply			F.L.C. Amps	Start AMPS	Control Stages	Ambient				
		Ext Static	Vol m <sup>3</sup> /s	Compressor	Cond Fan	Cond Fan	Volts	Phase	Hz				min	max			
		Aluminium fins with copper tubes	No	kW	No	kW	415	3	50			4 stages	0°C db/ 0°C wb	50°C db/ 30°C wb			
			2		4												
<b>MEDIUM</b>		DUTY (kW)			Refrigerant			Type		Evap.°C		Condensing Temp °C		PIPE CONNS		Refrigerant Circuits	
		150 kW (Each Unit)			R 22									2 No			
<b>OVERALL DIMENSIONS</b>		MAX SOUND PRESSURE LEVEL dB RE 2 X 10 <sup>-5</sup> Pa (at 1 metre free field)															
LENGTH	WIDTH	HEIGHT	63	125	250	500	1k	2k	4k							dBA	

# CONDENSING UNIT

**LOCATION:** Valve Hall No.2 HVAC Building  
**REF NO:** C10 Associated with AHU 8 (Valve Hall No.2 Supply)  
 C11 Associated with AHU 9 (Valve Hall No.2 Supply)  
 C12 Associated with AHU 10 (Valve Hall No.2 Supply)

**TYPE:** Packaged Air Cooled Condensing Units, suitable for External Roof Mounting

Condenser Type		Condenser Coil Type		Power Input			Elec Supply			F.L.C. Amps	Start AMPS	Control Stages	Ambient	
				Compressor	Cond Fan		Volts	Phase	Hz				min	max
Ext Static	Vol m <sup>3</sup> /s	No	kW	No	kW		415	3	50		4 Stages	0°C db/ 0°C wb	50°C db/ 30°C wb	
		2		4										
<b>MEDIUM</b>		DUTY (kW)			Refrigerant			Type		Condensing Temp °C	PIPE CONNS	AP kPA	Refrigerant Circuits	
		150 kW (Each Unit)			R 22			Evap. °C					2 No	
<b>REFRIGERANT</b>														
<b>OVERALL DIMENSIONS</b> MAX SOUND PRESSURE LEVEL dB RE 2 X 10 <sup>-3</sup> Pa (at 1 metre free field)														
LENGTH	WIDTH	HEIGHT		63	125	250	500	1k	2k	4k	dBA			

## DIFFERENTIAL PRESSURE CONTROL VALVE SCHEDULE

REF No.	Location/System	Function	No Off	Type	Flow m <sup>3</sup> /s	Dimensions			Differential Pressure Pa	Remarks
						L	W	H		
PRD 1	VALVE HALL 1	DIFFERENTIAL PRESSURE CONTROL	2	MECH COUNTERWEIGHT STRAIGHT THROUGH PATTERN	1.22				70	
PRD 2	VALVE HALL 2	DIFFERENTIAL PRESSURE CONTROL	2	MECH COUNTERWEIGHT STRAIGHT THROUGH PATTERN	1.22				70	

# FANS

REF	TYPE	SERVICE	VOL m <sup>3</sup> /S	EXT.R Pa	MOTOR kW	ELEC SUPPLY	F.L.C Amps	Max Sound Power Levels dB RE 10 <sup>-12</sup> watts									
								63	125	250	500	1k	2k	4k	8k		
F1	AXIAL	SERVICE BUILDING CONTROL ROOM EXTRACT	11.25	350		415/3/50											
F2	AXIAL	SERVICE BUILDING CONTROL ROOM EXTRACT	11.25	350		415/3/50											
F3	AXIAL	SERVICES BUILDING AIR CONDITIONED ROOMS EXTRACT	4.3	350		415/3/50											
F4	AXIAL	SERVICES BUILDING GENERAL VENTILATION EXTRACT	7.44	350		415/3/50											
F5	AXIAL	VALVE HALL NO.1 EXTRACT	7.6	300		415/3/50											
F6	AXIAL	VALVE HALL NO 1 EXTRACT	7.6	300		415/3/50											
F7	AXIAL	VALVE HALL NO 1 EXTRACT	7.6	300		415/3/50											
F8	T/F	SERVICE BUILDING TOILET EXTRACT	0.274	250		240/1/50											
F9	AXIAL	SERVICE BUILDING BATTERY ROOM EXHAUST	1.8	100		415/3/50											
F10	AXIAL	SERVICE BUILDING BATTERY ROOM EXHAUST	1.8	100		415/3/50											

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# FANS

REF	TYPE	SERVICE	VOL m <sup>3</sup> /S	EXT.R Pa	MOTOR kW	ELEC SUPPLY	F.L.C Amps	Max Sound Power Levels dB RE 10 <sup>-12</sup> watts									
								63	125	250	500	1k	2k	4k	8k		
F11	WALL MNTD	WATER TREATMENT BUILDING- CHEMICAL STORE EXTRACT	0.2	150		415/3/50											
F12	WALL MNTD	WATER TREATMENT BUILDING- LABORATORY EXTRACT	0.2	150		415/3/50											
F13	WALL MNTD	WATER TREATMENT BUILDING - PUMP HOUSE EXTRACT	0.8	150		415/3/50											
F14	WALL MNTD	WATER TREATMENT BUILDING - FIRE PUMPHOUSE EXTRACT	0.8	150		415/3/50											
F15	WALL MNTD	415v SWITCHGEAR BUILDING NO.1 EXTRACT	1.0	150		415/3/50											
F16	WALL MNTD	11KV SWITCHGEAR BUILDING NO.1 EXTRACT	0.6	150		415/3/50											
F17	WALL MNTD	11KV SWITCHGEAR BUILDING NO.2 EXTRACT	0.6	150		415/3/50											
F18	WALL MNTD	415V SWITCHGEAR BUILDING NO.2 EXTRACT	1.0	150		240/3/50											
F19	AXIAL	SERVICE BUILDING STORE EXTRACT	0.075	75		415/3/50											
F20	AXIAL	VALVE HALL NO.2 EXTRACT	7.6	300		415/3/50											

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# FANS

REF	TYPE	SERVICE	VOL m <sup>3</sup> /S	EXT.R Pa	MOTOR kW	ELEC SUPPLY	F.L.C Amps	Max Sound Power Levels dB RE 10 <sup>-12</sup> watts										
								63	125	250	500	1k	2k	4k	8k			
F21	AXIAL	VALVE HALL NO.2 EXTRACT	7.6	300		415/3/50												
F22	AXIAL	VALVE HALL NO.2 EXTRACT	7.6	300		415/3/50												
F23	WALL MNTD	VALVE COOLING PUMPHOUSE NO 1	1.0	150		415/3/50												
F24	WALL MNTD	VALVE COOLING PUMPHOUSE NO 2	1.0	150		415/3/50												

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# ATTENUATORS

REF. No.	SYSTEM	LOCATION	OVERALL DIMENSIONS			AIR VOL (m <sup>3</sup> /s)	Δ P Pa	DYNAMIC INSERTION LOSS	FREQUENCY							
			LENGTH	WIDTH	HEIGHT				63	125	250	500	1K	2K	4K	
A1	CONTROL ROOM SUPPLY	FIRST FLOOR SERVICE BUILDING	1800 1800	1800 1900	1200 1200	10.1	50	D.I.L. db								
A2	CONTROL ROOM EXTRACT	FIRST FLOOR SERVICE BUILDING	1800 1800	1800 1900	1200 1200	9.09	50	S.W.L. (ENT)								
A3	SERVICE BUILDING A/C SUPPLY #1	FIRST FLOOR SERVICE BUILDING	1800 2300	1200 1200	1200 1000	4.966	40	D.I.L. db								
A4	SERVICE BUILDING A/C EXTRACT #1	FIRST FLOOR SERVICE BUILDING	1800 2200	1200 1200	1200 1000	4.3	40	S.W.L. (ENT)								
A5	VALVE HALL NO 1 F6 EXTRACT (ATMOS)	VALVE HALL NO 1 AC BUILDING	1200	1300φ NOM	-	7.2	NEG	D.I.L. db								
A6	VALVE HALL NO 1 F7 EXTRACT (ATMOS)	VALVE HALL NO 1 AC BUILDING	1200	1300φ NOM	-	7.2	NEG	S.W.L. (ENT)								
A7	VALVE HALL NO 1 F8 EXTRACT (ATMOS)	VALVE HALL NO 1 AC BUILDING	1200	1300φ NOM	-	7.2	NEG	D.I.L. db								
A8	VALVE HALL NO 2 F20 EXTRACT (ATMOS)	VALVE HALL NO 2 AC BUILDING	1200	1300φ NOM	-	7.2	NEG	S.W.L. (ENT)								

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# ATTENUATORS

REF. No.	SYSTEM	LOCATION	OVERALL DIMENSIONS			AIR VOL (m <sup>3</sup> /s)	Δ P Pa	DYNAMIC INSERTION LOSS SOUND POWER LEVEL ENTERING	FREQUENCY							
			LENGTH	WIDTH	HEIGHT				63	125	250	500	1K	2K	4K	
A9	VALVE HALL NO 2 F21 EXTRACT (ATMOS)	VALVE HALL NO 2 AC BUILDING	1200	1300φ NOM	-	7.2	NEG	D.I.L. db								
A10	VALVE HALL NO 2 F22 EXTRACT (ATMOS)	VALVE HALL NO 2 AC BUILDING	1200	1300φ NOM	-	7.2	NEG	D.I.L. db								
A11	SERVICE BUILDING F1 EXTRACT (ATMOS)	SERVICE BUILDING AC BUILDING NO.1	1000	1000φ NOM	-	11.25	NEG	D.I.L. db								
A12	SERVICE BUILDING F1 EXTRACT (SYSTEM)	SERVICE BUILDING AC BUILDING NO.1	1000	1000φ NOM	-	11.25	NEG	D.I.L. db								
A13	SERVICE BUILDING F2 EXTRACT (ATMOS)	SERVICE BUILDING AC BUILDING NO.1	1000	1000φ NOM	-	11.25	NEG	D.I.L. db								
A14	SERVICE BUILDING F2 EXTRACT (SYSTEM)	SERVICE BUILDING AC BUILDING NO.1	1000	1000φ NOM	-	11.25	NEG	D.I.L. db								
A15	SERVICE BUILDING AC F3 EXTRACT (ATMOS)	SERVICE BUILDING AC BUILDING NO.2	1000	1000φ NOM	-	4.3	NEG	D.I.L. db								
A16	SERVICE BUILDING AC F3 EXTRACT (SYSTEM)	SERVICE BUILDING AC BUILDING NO.2	1000	1000φ NOM	-	4.3	NEG	D.I.L. db								

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SCHEDULE 5

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# ATTENUATORS

REF. No.	SYSTEM	LOCATION	OVERALL DIMENSIONS			AIR VOL (m <sup>3</sup> /s)	Δ P Pa	DYNAMIC INSERTION LOSS	FREQUENCY							
			LENGTH	WIDTH	HEIGHT				63	125	250	500	1K	2K	4K	
																SOUND POWER LEVEL ENTERING
A17	SERVICE BUILDING VENT F4 EXTRACT (ATMOS)	SERVICE BUILDING AC BUILDING NO.2	1000	1000φ NOM	-	7.44	NEG	D.I.L. db								
A18	SERVICE BUILDING VENT F4 EXTRACT (SYSTEM)	SERVICE BUILDING AC BUILDING NO.2	1000	1000φ NOM	-	7.44	NEG	D.I.L. db								
A19	SERVICE BUILDING VENTILATION SUPPLY	GROUND FLOOR SERVICE BUILDING	1200	1200	1200	3.67	20	D.I.L. db								
A20	SERVICE BUILDING VENTILATION SUPPLY	GROUND FLOOR SERVICE BUILDING	1200	1200	1200	4.6	30	D.I.L. db								
A21	SERVICE BUILDING VENTILATION EXTRACT	GROUND FLOOR SERVICE BUILDING	1200	1200	1200	3.3	20	D.I.L. db								
A22	SERVICE BUILDING VENTILATION EXTRACT	GROUND FLOOR SERVICE BUILDING	1200	1200	1200	4.14	30	D.I.L. db								
A23	VBE SUPPLY	GROUND FLOOR SERVICE BUILDING	1200	1200	900	2.384	30	D.I.L. db								
A24	VBE EXTRACT	GROUND FLOOR SERVICE BUILDING	1200	1200	900	2.156	30	D.I.L. db								

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### SPLIT SYSTEM AIR CONDITIONERS

Ref No	Location/Type	Room Unit				Condenser Unit			Electric Heating kW	Humidifier kg/hr	Room NR
		Cooling kW	Design Speed	Volume m <sup>3</sup> /s	Fan Motor kW	Volume m <sup>3</sup> /s	Compressor kW				
AC 1	Gate House Main Office	8.0	Low					1.5	-	40	
AC 2	Gate House Small Office	3.0	Low					1.25	-	40	

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1. Units to be capable of the design duty at low speed at 50°C ambient
  2. Each fan coil unit to be matched to a single air cooled condenser unit
  3. Split system to be supplied and installed complete with all necessary interconnecting wiring and pipework.
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## ELECTRIC HEAT TRANSFER TERMINAL UNITS

Ref No	Location/Drg No	Air Vol l/s	Air On Temp °C	Air Off Temp °C	Output kW	Power Supply	Max Air ΔP Pa	Control Stages (Min)
HB1	Reception 4833/BS/102	0.806	15	29.0	13.0	415/3/50	20	8
HB2	Medical Centre 4833/BS/102	0.192	15	29.0	3.5	415/3/50	20	3
HB3	Staff & Comm Office 4833/BS/102	0.48	15	29.5	8.0	415/3/50	20	4
HB4	Ground Floor Corr 4833/BS/102	0.117	15	31.0	2.5	415/3/50	20	3
HB5	Superintendants Office 4833/BS/102	0.11	15	27.5	2.0	415/3/50	20	3
HB6	Stair 1 4833/BS/103	0.234 0.209	15	35.0 ?	5.5 4.5	415/3/50	20	3
HB7	First Floor Corridor 4833/BS/103	0.346 0.488	15	35.0	8.0 9.5	415/3/50	20	4
HB8	Office 4833/BS/103	0.396 0.305	15	33.0	8.5 5	415/3/50	20	4
HB9	Conference 4833/BS/103	0.672 0.82	15	31.5	13.0 12	415/3/50	20	8
HB10	Rest Room 4833/BS/103	0.912 0.43	15	31.0	17.0 7	415/3/50	20	12
HB11	Electronic Workshop 4833/BS/103	0.507 0.507	15	33.0	10.5 9	415/3/50	20	4

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## SUPPLY DIFFUSERS

REF. NO.	LOCATION/ DRG.NO.	NO. OFF.	TYPE	SIZE O/A	AIR VOL m <sup>3</sup> /s	NECK SIZE mm	THROW m	Δ P Pa	NR LEVEL	NOTES
SG1	RECEPTION 4833/BS/102	2	4 WAY THROW LOUVRE FACE	599 x 599	0.372	500 x 500	2.5	15	30	SEE BELOW
SG2	RECEPTION LOBBY	1	DOUBLE DEFLE- CTION SIDE WALL	500 x 250	0.063	500 x 250	1.0	5	30	
SG3	MEDICAL CENTRE	1	4-WAY THROW LOUVRE FACE	300 x 300	0.192	300 x 300	1.5	15	30	
SG4	STAF & COMM. OFFICE	3	2-WAY THROW LOUVRE FACE	599 X 599	0.16	300 x 300	2.0	15	30	
SG5	A.C. EQUIP. No.1 4833/BS/102	4	2-WAY THROW LOUVRE FACE	600 x 600	0.154	400 x 400	2.0	15	25	
SG6	A.C. EQUIP. No.2 4833/BS/102	4	2-WAY THROW LOUVRE FACE	600 x 600	0.155	400 x 400	2.0	15	25	
SG7	WORKSHOP NO.1 4833/BS/102	6	DOUBLE DEFLECT- ION SIDE WALL	650 x 300	0.261	650 x 300	2.5	10	25	
SG8	WORKSHOP NO.2 4833/BS/102	8	DOUBLE DEFLECT- ION SIDE WALL	650 x 350	0.21	650 x 300	2.5	10	25	
SG9	CORRIDOR 4833/BS/102	2	2 WAY THROW LOUVRE FACE	300 x 300	0.059	150 x 150	3.0	15	30	
SG10	SUPERVI.OFFICE 4833/BS/102	1	2 WAY THROW LOUVRE FACE	599 x 599	0.011	300 x 300	3.0	20	30	
SG11	MAIN CORRIDOR 4833/BS/102	2	2 WAY THROW LOUVRE FACE	600 x 600	0.274	450 x 450	4.0	20	30	
SG12	MAIN CORRIDOR 4833/BS/102	2	2 WAY THROW LOUVRE FACE	600 x 600	0.371	450 x 450	6.0	30	30	
SG13	V.B.E. WEST 1 4833/BS/102	2	DOUBLE DEFLECT- ION SIDE WALL	300 x 200	0.127	300 x 200	5.0	20	30	
SG14	V.B.E. SOUTH 1 4833/BS/102	2	DOUBLE DEFLECT- ION SIDE WALL	300 x 200	0.101	300 x 200	5.0	20	30	

313.94.2.  
SCHEDULE 8  
SHEET NO 1 OF 3

**Notes**

1. All diffusers to incorporate volume control dampers
2. All diffusers to be factory painted to match suspended ceiling.

Revision A

## SUPPLY DIFFUSERS

REF. NO.	LOCATION/ DRG.NO.	NO. OFF.	TYPE	SIZE OVA	AIR VOL m <sup>3</sup> /s	NECK SIZE	THROW m	Δ P Pa	NR LEVEL	NOTES
SG15	V.B.E.WEST2 4833/BS/102	2	DOUBLE DEFLECTION SIDEWALL	300 x 200	0.127	300 x 200	5.0	20	30	SEE BELOW
SG16	V.B.E. SOUTH 2 4833/BS/102	2	DOUBLE DEFLECTION SIDEWALL	300 x 200	0.101	300 x 200	5.0	20	30	
SG17	STORE NO.1 4833/BS/102	2	2-WAY THROW LOUVRE FACE	300 x 300	0.05	150 x 150	2.0	30	30	
SG18	STORE NO.2 4833/BS/102	2	2-WAY THROW LOUVRE FACE	300 x 300	0.073	150 x 150	2.0	30	30	
SG19	D.C.DISTRIBUT. NO.1	6	DOUBLE DEFLECTION SIDE WALL	600 x 300	0.243	600 x 300	3.0	30	35	
SG20	D.C.DISTRIBUT. NO.2	6	DOUBLE DEFLECTION SIDE WALL	600 x 300	0.249	600 x 300	3.0	30	35	
SG21	PABX ROOM GRD FLOOR	1	DOUBLE DEFLECTION SIDE WALL	600 x 300	0.236	600 x 300	2.5	20	30	
SG22	TOILET LOBBY GRD FLR	2	2-WAY THROW LOUVRE FACE	300 x 300	0.044	150 x 150	1.0	20	30	
SG23	CONTROL ROOM - 103	15	4-WAY THROW LOUVRE FACE	599 x 599	0.526	500 x 500	4.0	15	35	
SG24	CONTROL ROOM	7	2-WAY THROW LOUVRE FACE	599 x 599	0.25	450 x 450	3.0	10	20	
SG25	FIRST FLOOR OFFICE - 103	2	4-WAY THROW LOUVRE FACE	599 x 599	0.396	500 x 500	2.0	20	35	
SG26	CONFERENCE 4833/BS/103	4	2-WAY THROW LOUVRE FACE	599 x599	0.336	500 x 500	4.0	10	30	
SG27	VALVE HALL 4833/BS/151	32	DOUBLE DEFLECTION SIDEWALL	1250 X 275	0.538	1200 X 225	18	30	35	
SG28	REST ROOM 4833/BS/103	4	4-WAY THROW LOUVRE FACE	599 X 599	0.228	150 X 150	1.5	15	30	

313.94.2.  
SCHEDULE 8  
SHEET NO 2 OF 3

Notes

1. All diffusers to incorporate volume control dampers
2. All diffusers to be factory painted to match suspended ceiling.

Revision A

