

HEAT RECOVERY UNIT SCHEDULE																
TAG	TYPE	SERVICE	MANUFACTURER	MODEL	LOCATION	DESIGN AIR OUTDOOR VOLUME (L/S)	DESIGN EXHAUST AIR VOLUME (L/S)	AHR1 1060 EFFECTIVENESS		AIRFLOW @ Pa		FILTER MERV	MOTOR HP		ELECTRICAL DATA V/0/Hz	ACCESSORIES AND NOTES
								WINTER	SUMMER	SUPPLY	RETURN		SUPPLY	RETURN		
HRV-1	FIXED PLATE ENERGY RECOVERY VENTILATOR	MAIN BLDG.	RENEWAIRE	HETXINV	BASEMENT	378	378	63%	52%	378 @ 187	378 @ 187	13	0.75	0.75	208V/1ph/60Hz	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
1. ZERO CROSS CONTAMINATION BETWEEN SUPPLY AND RETURN STREAMS 2. FACTORY MOUNTED FILTER ALARMS 3. NON-FUSED DISCONNECT 4. BACKDRAFT DAMPERS 5. 24VAC TRANSFORMER / RELAY PACKAGE 6. MOTORIZED ISOLATION DAMPERS ON BOTH AIR STREAMS 7. FLOOR MOUNTING FEET 8. DOUBLE WALL CONSTRUCTION 9. INDEPENDENT BLOWER CONTROL 10. WHITE EXTERIOR PAINT 11. ENTHALPY CONTROL 12. DUCT MOUNTED CO2 CONTROL 13. NO CONDENSATE SHALL BE PRODUCED BY THIS UNIT																

EVAPORATOR SCHEDULE									
TAG	AREA SERVED	MANUFACTURER	MODEL NO.	CAPACITY		AIR FLOW @ Pa	MOTOR (KW)	ELECTRICAL CHARACTERISTICS	NOTES & ACCESSORIES
				HEATING (KW)	COOLING (KW)				
EV-1 & 2	GALLERY	MITSUBISHI	PKFY-P24NKMU-E	7.9	7.0	434 L/S @ 0.0	0.045	208V/1PH/60HZ	1, 2, 3, 4, 5, 6, 7
EV-3	OFFICE	MITSUBISHI	PKFY-P06NKMU-E	2.0	1.8	98 L/S @ 0.0	0.017	208V/1PH/60HZ	1, 2, 3, 4, 5, 6, 7
EV-4	THEATRE	MITSUBISHI	PKFY-P15NKMU-E	5.0	4.4	192 L/S @ 0.0	0.030	208V/1PH/60HZ	1, 2, 3, 4, 5, 6, 7

NOTES:
 1. HEATING PERFORMANCE CONDITIONS 59°F DB ENTERING AIR FROM HRV-1
 2. COOLING PERFORMANCE CONDITIONS 76°F DB / 63.6°F WB ENTERING AIR FROM HRV-1
 3. R-410A REFRIGERANT
 4. WASHABLE AIR FILTER
 5. THREE (3) SPEED FAN
 6. FACTORY INSTALLED CONDENSATE LIFT PUMP
 7. PROVIDE PAR-32MAA-J CONTROLLER

HEAT PUMP SCHEDULE									
TAG	SERVICE	MANUFACTURER	MODEL NO.	CAPACITY		MOTOR HP		ELECTRICAL CHARACTERISTICS	NOTES & ACCESSORIES
				HEATING (KW)	COOLING (KW)	FAN (KW)	COMPRESSOR (KW)		
HP-1	ERV-1, 2, 3 & 4	MITSUBISHI	PUHY-HP72TJMU-A	23.4	21.1	0.92	5.3	208V/3PH/60HZ	1, 2, 3, 4, 5, 6, 7, 8

NOTES:
 1. HEATING PERFORMANCE CONDITIONS -25°C OUTDOOR AMBIENT
 2. COOLING PERFORMANCE CONDITIONS 43°C OUTDOOR AMBIENT
 3. R-410A REFRIGERANT
 4. VARIABLE SPEED HERMETIC SCROLL COMPRESSOR PER MODULE.
 5. BLUE-FIN COIL ANTI-CORROSION COATING
 6. COMPRESSOR COOLING OPERATION RANGE: 30% - 100%
 7. COMPRESSOR HEATING OPERATION RANGE: 50% - 130%
 8. COMPRESSOR CRANKCASE HEATER

VFD SCHEDULE				
TAG	MANUFACTURER	MODEL	INPUT	OUTPUT
VFD-1	ALLEN BRADLEY	ACH550	240V / 1ph	208V / 3ph @ 7.5HP

OVERSIZE, AS REQUIRED TO ALLOW SINGLE PHASE INPUT. PROVIDE NEMA 3R ENCLOSURE

PLUMBING FIXTURE SCHEDULE							
TAG	FIXTURE CONNECTIONS				BASIS OF DESIGN	TRIM	DESCRIPTION
	DCW	DHW	SAN	VENT			
P-1	12	12	40	32	AMERICAN STANDARD 0955.010E.0205.0205C	CHICAGO FAUCETS 2200-E205-ABCP	BARBER-FREE WALL MOUNT VITREOUS CHINA BASIN, CW SINGLE HANDLE FAUCET WITH HOT WATER LIMIT STOP
P-2	12	-	75	40	AMERICAN STANDARD 215AA.174.020	-	BARBER-FREE VITREOUS CHINA, FLOOR MOUNTED, FLUSH TANK, RIGHT HEIGHT ELONGATED WATER CLOSET CW SEAT WITH COVER
P-3	12	12	40	32	FRAMME ALBON406P-1/1	CHICAGO FAUCETS 438-E205-ABCP	BARBER-FREE DOUBLE BOWL, COUNTERTOP MOUNT STAINLESS STEEL SINK, CW SINGLE HANDLE FAUCET WITH HOT WATER LIMIT STOP
P-4	12	-	40	32	ELKAY E23P210C	-	WALL HUNG DRINKING FOUNTAIN, NON-REFRIGERATED.
P-5	12	12	75	40	CHICAGO FAUCETS MODESTO MS802424	CHICAGO FAUCETS 897-BCF	600x400 MOLDED STONE, FLOOR MOUNTED, MOP SINK WITH RUBBER GUARD AND BACKSPASH PANEL, CW WALL MOUNTED TWO HANDLE MOP FAUCET WITH 750mm HOSE, WALL HOOK AND MOP HANGER

GRILLE SCHEDULE									
TAG	MANUFACTURER	MODEL	TYPE	SIZE (MM)	INLET SIZE (MM)	MOUNT	CORE STYLE	NC	REMARKS
S-1	NAILOR	RNS	SQUARE CONE DIFFUSER	305 x 305	1250	SURFACE	N/A	16	1, 2, 4
S-2	NAILOR	49-240	FLOOR REGISTER	90W x 305L	90W x 305L	FLOOR	HEAVY DUTY LINEAR BAR 12mm SPACING, 6mm BARS, SUITABLE FOR FLOOR MOUNT	25	2, 4, 5, 6
E-1	NAILOR	51EC	EGGCRATE W/ FRAME	200 x 200	200 x 200	SURFACE	EGGCRATE	14	2, 4
E-2	NAILOR	49-240	FLOOR REGISTER	152W x 305L	152W x 305L	FLOOR	HEAVY DUTY LINEAR BAR 12mm SPACING, 6mm BARS, SUITABLE FOR FLOOR MOUNT	25	2, 4, 5, 6
DG	AIR LOUVERS		DOOR GRILLE	305 x 305	N/A	DOOR	FIRE DAMPER IN FIRE RATED DOORS	20	-

NOTES:
 1. DIFFUSER TO BE COMPLETE WITH 610x610 CEILING MODULE IN T-BAR APPLICATION.
 2. APPLIANCE WHITE
 3. MOUNTING FRAME REQUIRED FOR WALL AND DRYWALL INSTALLATION ONLY.
 4. TO BE COMPLETE WITH BALANCING DAMPER
 5. COORDINATE INSTALLATION WITH REQUIREMENT FOR A FIRE DAMPER
 6. CW HEAVY DUTY TYPE "F" SURFACE MOUNTING FRAME, TYPE C, CONCEALED FASTENERS.

DOMESTIC WATER HEATER SCHEDULE							
TAG	MANUFACTURER	MODEL	STORAGE CAPACITY (L/S)	RECOVERY RATE (GPH@180°F)	LOCATION	ELECTRICAL DATA	
						INPUT (KW)	V/0/Hz
HWT-1	A.O. SMITH	DEL-40D-5	40	19	MECHANICAL ROOM	5.0	240V/1ph/60Hz

NOTE: UNIT IS FACTORY PRE-WIRED FOR 3-PHASE POWER. MANUFACTURER PERMITS RE-WIRING FOR SINGLE PHASE OPERATION. ALLOW FOR RE-WIRING COSTS.

DOMESTIC WATER PRESSURE TANK SCHEDULE							
TAG	MANUFACTURER AND MODEL	TOTAL TANK VOLUME	DRAW DOWN AT 138/276 kPa	DRAW DOWN AT 276/414 kPa	DIMENSIONS (mm)	SHIPPING WEIGHT	NOTES
PT-1	GOULDS V350	439 L	162 L	118 L	660 DIA. x 1555 H	73 kg	VERTICAL FLOOR MOUNT SUITABLE FOR POTABLE WATER.

HEATING COIL SCHEDULE									
TAG	LOCATION	SERVICE	CAPACITY (KW)	AIRFLOW (L/S)	INSTALLATION LOCATION	DUCT SIZE (mm)	ELECTRICAL DATA		REMARKS
							FLA	V/0/Hz	
HC-1	OPEN OFFICE	HRV-1 SUPPLY AIR	6.5	378	VERTICAL DUCT MOUNTED	3000	27.08	240V/160	CW DUCT STAT. SCR CONTROLLER, AIR PROVING DEVICE, AUTOMATIC CUT-OUT

LOUVRE SCHEDULE							
TAG	LOCATION	MANUFACTURER	MODEL	FUNCTION	SIZE W x H x D (mm)	MINIMUM FREE AREA	NOTES
L-1	SOUTH FOUNDATION WALL	VENTEX	2435	VENTILATION INTAKE	1120 x 705 x 100	0.20m ²	1, 2, 3, 4
L-2	SOUTH FOUNDATION WALL	VENTEX	2435	VENTILATION EXHAUST	610 x 405 x 100	0.11m ²	1, 2, 3, 4

NOTES:
 1. EXTRUDED ALUMINUM CONSTRUCTION CW MOUNTING FLANGE
 2. STORM PROOF BLADES
 3. CONFIRM COLOR WITH ARCHITECT
 4. DRAINABLE BLADE



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