

DEHUMIDIFICATION UNIT																			
TAG	AREA SERVED	SUPPLY CFM	OA CFM	FAN HP	DX COOLING COIL (R410-A)			GAS HEAT (AUXILIARY)			POOL WATER CONDENSER			ELECTRICAL PT 1 (AT UNIT)			BASIS OF DESIGN	REMARKS	
					SENS. MBH	EAT DB	EAT WB	MOISTURE REMOVAL LB/HR	BUTH	EAT DB	LAT DB	MBH	GPM	WPD PSI	MCA	MOCP			VOLTS/PH
DHU-1	POOL	1,800	450	2.5	30.6	84	73	19.7				36.0	8.0	4.0	28	45	208/3	POOLPAK PCP-1400-VERTICAL	1,2,3,4,5,6,7,8,9

- REMARKS:
1. PROVIDE STARTER AND DISCONNECT
 2. PROVIDE PROGRAMMABLE LOGIC CONTROLLER WITH INTEGRAL SEQUENCING. PROVIDE FIELD PROGRAMMING BY FACTORY.
 3. PROVIDE ALL ASSOCIATED INSTRUMENTATION, CONTROL INTERFACES AND STATS
 4. INTERLOCK WITH EF-5
 5. PROVIDE 6" HIGH HOUSEKEEPING PAD
 6. PROVIDE REFRIGERANT LINE SETS WITH 1" FLEXIBLE ELASTOMERIC INSULATION
 7. SIZE LINE SETS PER MANUFACTURER'S RECOMMENDATIONS
 8. PROVIDE BALL VALVES, UNIONS, AUTO-BALANCE VALVE ETC AS RECOMMENDED BY THE MANUFACTURER ON POOL WATER CONDENSER CONNECTIONS.
 9. PIPE CONDENSATE FULL SIZE TO FLOOR DRAIN.

AIR COOLED CONDENSER									
TAG	UNIT SERVED	UNIT LOCATION	SEER	ELECTRICAL			BASIS OF DESIGN	REMARKS	
				FLA	MOCP	VOLTS/PH			
ACC-1	DHU-1	GRADE	13	12	20	208/1	POOL PAK NC-004	1,2,3,4	

- REMARKS:
1. PROVIDE STARTER AND DISCONNECT
 2. MOUNT CONDENSING UNIT ON 4" THICK POURED IN PLACE CONCRETE PAD
 3. PROVIDE WITH CORROSION PROTECTION.
 4. PROVIDE ALL CONTROLS AND WIRING, INTERLOCK WITH THE ASSOCIATED INDOOR UNIT

GAS FIRED DUCT FURNACE											
TAG	CFM	MAX APD W.C.	HEATING				ELECTRICAL			BASIS OF DESIGN	REMARKS
			CAPACITY				FLA	VOLT/	MOPD		
			TOTAL MBH IN	TOTAL MBH OUT	AFUE	GAS PRES. * W.C.					
GF-1	1800	0.20	150.00	120.00	80%	7"-11"	9.5 AMPS	115/1	15 AMPS	REZNR SC 150	1,2,3

- REMARKS:
1. PROVIDE STARTERS AND DISCONNECTS
 2. PROVIDE 6" VENTING AND INTAKE KIT WITH CONCENTRIC ROOF TERMINATION
 3. INTERLOCK WITH DHU-1
 4. PROVIDE TWO STAGE HEATING SYSTEM.
 5. PROVIDE PROPANE CONVERSION KIT.

RELIEF HOOD SCHEDULE							
TAG NO.	MANUFACTURER	MODEL NO.	CFM	HOOD SIZE	NECK SIZE	MAX. PD	REMARKS
RH-1	GREENHECK	WRH	150	30X20	22X12	.05	1,2
RH-2	GREENHECK	WRH	300	36X24	28X16	.05	1,2
RH-3	GREENHECK	WRH	400	36X36	28X28	.05	1,2

- REMARKS:
1. PROVIDE WITH 12" HIGH ROOFCURB.
 2. PROVIDE WITH INSECT SCREEN.

ELECTRIC UNIT HEATERS									
TAG	LOCATION	TYPE	FAN CFM	ELEMENT KW	ENTERING AIR TEMP	ELECTRICAL		BASIS OF DESIGN	REMARKS
						FLA	VOLTS/ PHASE		
EUH-1	SEE PLANS	HORIZONTAL	350	5.0	65°F	20.8	208/1	BERKO HUH500	1,2,3,4
EUH-2	SEE PLANS	HORIZONTAL	750	15	10°F	37.7	208/1	BERKO HUH1524M	1,2,3,4,5
ECH-1	SEE PLANS	CABINET	250	3.0	65°F		208/1	BERKO CUH935	1,2,3,5,6
ECH-2	SEE PLANS	CEILING	300	3.0	65°F		208/1	BERKO FFCH-548	1,2,3,5,6
EWH-1	SEE PLANS	WALL MOUNT	100	1.5	65°F	12.5	120/1	BERKO FRC1512	1,2,3,5

- REMARKS:
1. PROVIDE INTEGRAL OVER HEAT PROTECTION
 2. PROVIDE REMOTE LOW VOLTAGE WALL MOUNTED THERMOSTATS AND TRANSFORMERS/WIRING
 3. PROVIDE DISCONNECT SWITCH
 4. PROVIDE MOUNTING HARDWARE INCLUDING SURFACE MOUNT KITS WHERE APPLICABLE.
 5. PROVIDE INTEGRAL 2 STAGE THERMOSTATS AND KEY LOCK FOR FRONT COVER
 6. PROVIDE RECESSED CEILING MOUNTING KIT.

VERTICAL TERMINAL AIR CONDITIONER													
TAG	CFM	COIL BTUH	COOLING CAPACITY @ 95 F DB & 72 F WB OUTSIDE				COOLING ELECTRICAL POWER		ELECTRIC HEATING			BASIS OF DESIGN	REMARKS
			MIN	SENS	BTUH	COIL EA	AMPS	VOLTS/ PHASE	HEATING CAPACITY BTUH	WATTS	VOLTS/ PHASE		
			DB	WB	DB	WB							
VAC-1	475	600	11,400	10,200	75	57	5.6	208/1	8,500	3,800	208/1	AMANA VTH123E	1,2,3,4,5

- REMARKS:
1. PROVIDE WALL MOUNT DIGITAL THERMOSTAT WITH AUTOMATIC CHANGEOVER AND 2 SPEED FAN CONTROL.
 2. PROVIDE WALL SLEEVE AND FLUSH ARCHITECTURAL OUTDOOR LOUVER, FINISH LOUVER AS SELECTED BY ARCHITECT
 3. PROVIDE WITH CORROSION PROTECTION, SECONDARY OVERFLOW PROTECTION AND OUTSIDE AIR VENTILATION.
 4. PROVIDE CONDENSATE DISPERSION SYSTEM, CONDENSATE REMOVAL PUMP AND CONDENSATE DRAIN KIT.
 5. UNIT MCA 24, MOCP 25. PROVIDE WITH UNIT MOUNTED DISCONNECT.

DIFFUSER AND REGISTER SCHEDULE									
TAG	MAXIMUM CFM	NECK SIZE (IN)	NOMINAL OVERALL SIZE (IN)	THROW (FT) (NOTE 2)	MAXIMUM STATIC PRESSURE (IN. W.C.)	MAXIMUM NOISE CRITERIA	MODEL NO. (REMARK 7)	REMARKS	
S-1	500	12x12	14x14	12	0.10	25	300FL	1,2,3,4,5,8	
S-2	100	6"ø/12x12	24x24	3-4-7	0.10	25	TDCA-AA	1,2,3,4,5,7,8	
S-3	200	8"ø/15x15	24x24	3-4-7	0.10	25	TDCA-AA	1,2,3,4,5,7,8	
S-4	300	10"ø/15x15	24x24	3-4-7	0.10	25	TDCA-AA	1,2,3,4,5,7,8	
S-5	150	12x4	14x6	6-9-17	0.10	20	300FL	1,2,3,4,5,7,8,9	
S-6	250	20X6	22x8	10-15-21	0.10	22	300FL	1,2,3,4,5,7,8,9	
S-7	400	24x6	26x8	10-15-21	0.10	24	300FL	1,2,3,4,5,7,8,9	
S-8	150	8x6	10x8	10-15-21	0.10	24	300FL	1,2,3,4,5,7,8,9	
S-9	100	6"ø/12x12	12x12	3-4-7	0.10	25	TDCA-AA	1,2,3,4,5,7,8	
L-1	300	10ø	48"LX2 SLOTTED LINEAR	22 VERT.	0.10	25	SDR100	1,2,3,4,5,8	
R-1	1250	22x10	24x12	-	0.10	25	80	1,2,3,4,5,6,8	
R-2	2500	22x22	24x24	-	0.10	25	510	1,2,3,4,5,6,8	
R-3	500	12x12	14x14	-	0.10	25	355FL	1,2,3,4,5,6,8	
R-4	1700	30x18	32x20	-	0.10	25	355FL	1,2,3,4,5,6,8	
R-5	800	28x6	30x8	-	0.10	25	355FL	1,2,3,4,5,6,8	
R-6	400	16x8	18x10	-	0.10	25	355FL	1,2,3,4,5,6,8	
E-1	50	6x6	8x8	-	0.10	25	350RL	1,2,3,4,5,6,8,10	
E-2	100	8x8	10X10	-	0.10	25	350RL	1,2,3,4,5,6,8,10	

- REMARKS:
1. S= SUPPLY, R= RETURN/RELIEF, EXHAUST, TRANSFER.
 2. THROW AT TERMINAL VELOCITY OF 50, 100, 150 FPM & 0° DEFLECTION
 3. DUCT RUN OUT SIZE SHALL MATCH DIFFUSER NECK SIZE UNLESS OTHER WISE NOTED ON PLAN
 4. FINISH SHALL BE WHITE UNLESS OTHER WISE NOTED ON ARCHITECTURAL PLAN
 5. DATA BASED ON TESTING IN ACCORDANCE WITH ASHRAE STANDARD 70 AND ADC 1062
 6. PROVIDE WITH OB BALANCE DAMPER, WHEN GRILLE IS ALUMINUM, PROVIDE ALUMINUM DAMPER.
 7. SEE DRAWINGS FOR REQUIRED AIR FLOW PATTERN
 8. BASIS OF DESIGN MANUFACTURER: PRICE
 9. GRILLE FINISH TO MATCH DUCTWORK.
 10. PROVIDE WITH CEILING RADIATION DAMPER FOR FIRE RATED CEILING ASSEMBLY.
 11. PROVIDE ALDES CAR-SE-11 EXHAUST AIRFLOW REGULATOR AND TRANSITION BEHIND EXHAUST GRILLE.

No.	Description	Date

DISCLAIMER: This drawing is prepared by the engineer and is based on the information provided by the client. The engineer is not responsible for the accuracy of the information provided. The engineer is not responsible for the accuracy of the information provided. The engineer is not responsible for the accuracy of the information provided.

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