

DEDICATED OUTDOOR AIR UNIT (DOAS) SCHEDULE																												
SYMBOL	SERVES	ASSOCIATED EQUIPMENT	TOTAL CFM	% OA	EXT SP	SUPPLY FAN DATA					DX COOLING COIL DATA								ELECTRIC RE-HEAT COIL DATA					ELECT CHAR	UNIT WEIGHT	NOTES	BASIS OF DESIGN	
						CFM	DRIVE	TYPE	DESIGN RPM	BHP	HP	TOT SP	EAT °F		LAT °F	SP IN	TOT MBH	SENS MBH	EAT °F		LAT °F	SP IN	TOT KW					STEPS OF CONTROL
													DB	WB					DB	WB								
DOAS-1	NORTH	ACCU-10	850	100	1.9	850	DIRECT	DWDI	1900.0	0.7	1.0	2.5	87.0	76.5	51.6	51.5	0.43	72.0	33.0	51	70	0.10	5	SCR	208/60/3	260	1, 2, 3	TRANE BCHE
DOAS-2	SOUTH	ACCU-11	1200	100	1.8	1200	DIRECT	DWDI	1939.0	1.0	1.5	2.5	87.0	76.5	53.0	52.9	0.45	97.2	44.8	53	77	0.09	10	SCR	208/60/3	275	1, 2, 3	TRANE BCHE

- NOTES:
- DOAS UNITS SHALLBE PROVIDED WITH SINGLE POINT POWER CONNECTION.
 - OUTDOOR AIR FILTER NOT REQUIRED. FILTRATION BEING FACILITATED VIA FILTER BANKS UP STREAM OF THE IFB COILS.
 - PROVIDE CONDENSATE PUMP CAPABLE OF 0.5 GPM @ 20' HEAD. LITTLE GIANT MODEL VCMX-20 OR APPROVED EQUAL.

SPLIT INDOOR AIR HANDLING UNIT SCHEDULE																																										
SYMBOL	SERVES	ASSOCIATED EQUIPMENT	TOTAL CFM	OA CFM	EXT SP	SUPPLY FAN DATA				DX COOLING COIL DATA										HOT WATER HEATING COIL								FILTER DATA		ELECT CHAR	MCA	MOCP	UNIT WEIGHT	NOTES	BASIS OF DESIGN							
						CFM	DRIVE TYPE	MOTOR TYPE	AIR FLOW	DESIGN RPM	BHP	HP	TOT SP	VFD	EAT °F		LAT °F		SP IN	TOT MBH	SENS MBH	EAT °F		LAT °F	SP IN	TOT MBH	GPM	°F	LWT °F							WPD	TYPE					
															DB	WB	DB	WB				DB	LAT °F														SP IN	TOT MBH	°F	LWT °F	PRE	FINAL
AHU-1	REWARD ROOM	ACCU-1	925	160	1.50	925	DIRECT DRIVE	ECM	CONSTANT VOLUME	1760	0.6	1.00	2.1	NONE	75.0	63.0	53.6	52.6	0.25	27.9	21.7	68.0	85.0	0.06	17.0	0.6	180.0	160.0	0.2	MERV8	MERV13	208/60/1	9.7	15.0	221	NOTE 1	TRANE BCHE036					
AHU-2	1ST FLOOR ICR	ACCU-2	550	120	1.50	550	DIRECT DRIVE	ECM	CONSTANT VOLUME	1716	0.4	0.50	2.1	NONE	75.0	63.0	53.2	52.3	0.23	17.1	13.2	68.0	85.0	0.06	16.1	1.0	180.0	160.0	0.3	MERV8	MERV13	208/60/1	5.3	15.0	170	NOTE 1	TRANE BCHE024					
AHU-3	BREAKROOM AREA	ACCU-3	800	250	1.50	800	DIRECT DRIVE	ECM	CONSTANT VOLUME	1674	0.5	0.75	2.0	NONE	75.0	63.0	52.8	51.9	0.20	25.6	19.5	68.0	85.0	0.05	23.4	1.0	180.0	160.0	0.4	MERV8	MERV13	208/60/1	5.3	15.0	216	NOTE 1	TRANE BCHE036					
AHU-4	REC ROOM	ACCU-4	650	250	1.50	650	DIRECT DRIVE	ECM	CONSTANT VOLUME	2052	0.6	1.00	2.8	NONE	75.0	63.0	54.1	53.2	0.80	18.5	15.0	68.0	85.0	0.16	19.0	2.4	180.0	160.0	3.4	MERV8	MERV13	208/60/1	9.7	15.0	165	NOTE 1	TRANE BCHE018					
AHU-5	BEDROOM 9-12	ACCU-5	750	190	1.50	750	DIRECT DRIVE	ECM	CONSTANT VOLUME	1954	0.7	1.00	2.4	NONE	75.0	63.0	54.8	53.5	0.40	21.0	16.6	68.0	85.0	0.10	22.0	1.8	180.0	160.0	0.9	MERV8	MERV13	208/60/1	9.7	15.0	175	NOTE 1	TRANE BCHE024					
AHU-6	BEDROOM 6-8, ICR	ACCU-6	750	190	1.50	750	DIRECT DRIVE	ECM	CONSTANT VOLUME	1954	0.7	1.00	2.4	NONE	75.0	63.0	54.8	53.5	0.40	21.0	16.6	68.0	85.0	0.10	22.0	1.8	180.0	160.0	0.9	MERV8	MERV13	208/60/1	9.7	15.0	175	NOTE 1	TRANE BCHE024					
AHU-7	2ND OFFICES	ACCU-7	750	165	1.50	750	DIRECT DRIVE	ECM	CONSTANT VOLUME	1954	0.7	1.00	2.4	NONE	75.0	63.0	54.8	53.5	0.40	21.0	16.6	68.0	85.0	0.10	22.0	1.8	180.0	160.0	0.9	MERV8	MERV13	208/60/1	9.7	15.0	175	NOTE 1	TRANE BCHE024					
AHU-8	GROUP THERAPY	ACCU-8	550	120	1.50	550	DIRECT DRIVE	ECM	CONSTANT VOLUME	1716	0.4	0.50	2.1	NONE	75.0	63.0	53.2	52.3	0.23	17.1	13.2	68.0	85.0	0.06	16.1	1.0	180.0	160.0	0.3	MERV8	MERV13	208/60/1	5.3	15.0	170	NOTE 1	TRANE BCHE024					
AHU-9	GROUP THERAPY	ACCU-9	450	165	1.50	450	DIRECT DRIVE	ECM	CONSTANT VOLUME	2027	0.4	0.50	2.8	NONE	75.0	63.0	50.6	50.4	0.90	16.0	12.0	68.0	85.0	0.13	13.2	1.4	180.0	160.0	1.2	MERV8	MERV13	208/60/1	5.3	15.0	155	NOTE 1	TRANE BCHE012					

- NOTES:
- PROVIDE CONDENSATE PUMP CAPABLE OF 0.5 GPM @ 20' HEAD. LITTLE GIANT MODEL VCMX-20 OR APPROVED EQUAL.

AIR COOLED CONDENSING UNIT AND HEAT PUMP SCHEDULE																	
SYMBOL	ASSOCIATED EQUIPMENT	COOLING CAPACITY MBH	HEATING CAPACITY MBH	QTY	CONDENSOR FANS				COMPRESSOR			ELECT CHAR	MCA	MOCP	UNIT WT	NOTES:	BASIS OF DESIGN
					HP EA	RPM	TOTAL CFM	FLA	QTY	RLA EA	LRA EA						
ACCU-1	AHU-1	28.2	N/A	1	1/8	850	2435	0.64	1	12.8	67.8	208/60/1	17	25	180	1.2	TRANE 4TTL6030A
ACCU-2	AHU-2	18	N/A	1	1/12	810	2400	0.54	1	9.0	48.0	208/60/1	12	20	165	1.2	TRANE 4TTL6018A
ACCU-3	AHU-3	28.2	N/A	1	1/8	850	2435	0.64	1	12.8	67.8	208/60/1	17	25	180	1.2	TRANE 4TTL6030A
ACCU-4	AHU-4	18	N/A	1	1/12	810	2400	0.54	1	9.0	48.0	208/60/1	12	20	165	1.2	TRANE 4TTL6018A
ACCU-5	AHU-5	24	N/A	1	1/12	810	2400	0.54	1	10.1	52.0	208/60/1	13	20	165	1.2	TRANE 4TTL6024A
ACCU-6	AHU-6	24	N/A	1	1/12	810	2400	0.54	1	10.1	52.0	208/60/1	13	20	165	1.2	TRANE 4TTL6024A
ACCU-7	AHU-7	18	N/A	1	1/12	810	2400	0.54	1	9.0	48.0	208/60/1	12	20	165	1.2	TRANE 4TTL6018A
ACCU-8	AHU-8	18	N/A	1	1/12	810	2400	0.54	1	9.0	48.0	208/60/1	12	20	165	1.2	TRANE 4TTL6018A
ACCU-9	AHU-9	18	N/A	1	1/12	810	2400	0.54	1	9.0	48.0	208/60/1	12	20	165	1.2	TRANE 4TTL6018A
ACCU-10	DOAS-1	76	N/A	1	1/2	1100	SEE NOTE 3	2.2	1	22.4	149	208/60/3	30	50	328	1.2,4	TRANE TWA072
ACCU-11	DOAS-2	84	N/A	1	1/2	1100	SEE NOTE 3	2.2	1	28.6	208	208/60/3	38	60	333	1.2,4	TRANE TWA090
ACCU-12	SS-1, SS-2, SS-3	22	25	1	SEE NOTE 3	2150	2.4	1	20.0	28.8	208/60/1	30.5	40	189	1.2	TRANE NTXMPH24	
ACCU-13	SS-4, SS-5, SS-6	22	25	1	SEE NOTE 3	2150	2.4	1	20.0	28.8	208/60/1	30.5	40	189	1.2	TRANE NTXMPH24	
ACCU-14	SS-7	9	10.9	1	SEE NOTE 3	1229	0.5	1	6.7	7.7	208/60/1	9	15	81	1.2	TRANE NTXSST09A112AB	

- NOTES:
- COOLING CAPACITIES BASED ON 95°F AMBIENT TEMPERATURE. HEATING CAPACITIES BASED ON 5°F AMBIENT TEMPERATURE.
 - CAPACITIES BASED ON R-410A REFRIGERANT.
 - INFORMATION NOT PROVIDED BY MANUFACTURER
 - PROVIDE LEAD COMPRESSOR WITH AN UNLOADER (WITH LEAVING AIR TEMPERATURE CONTROL) AS OUTLINED IN THE SPECIFICATIONS.

SPLIT SYSTEM HEAT PUMP INDOOR UNIT SCHEDULE									
SYMBOL	SERVES	ASSOCIATED EQUIPMENT	NOMINAL CFM	OA CFM	COOLING CAPACITY MBH	HEATING CAPACITY MBH	ELECT CHAR	UNIT WIGHT LBS	BASIS OF DESIGN
SS-1	017 - SUPERVISOR	ACCU-12	237	0	6.0	7.2	NOTE 1, 3	22	TRANE NTXWST06A112A
SS-2	016 - COUNSELOR #3	ACCU-12	237	0	6.0	7.2	NOTE 1, 3	22	TRANE NTXWST06A112A
SS-3	015 - CORRIDOR	ACCU-12	237	0	6.0	7.2	NOTE 1, 2, 3	22	TRANE NTXWST06A112A
SS-4	004 - COUNSELOR #2	ACCU-13	237	0	6.0	7.2	NOTE 1, 3	22	TRANE NTXWST06A112A
SS-5	003 - COUNSELOR #1	ACCU-13	237	0	6.0	7.2	NOTE 1, 3	22	TRANE NTXWST06A112A
SS-6	001 - CORRIDOR	ACCU-13	237	0	6.0	7.2	NOTE 1, 3	22	TRANE NTXWST06A112A
SS-7	012 - IT	ACCU-14	237	0	9.0	10.9	NOTE 1, 3	22	TRANE NTXWST09A112A

- NOTES:
- INDOOR UNITS SHALL RECEIVE POWER FROM OUTDOOR UNIT VIA INTERCONNECTED WIRING.
 - SS-3 IN BASE BID #2 AND BASE BID #3 ONLY. NOT INCLUDED IN BASE BID #1.
 - PROVIDE INTEGRAL CONDENSATE PUMP WITH INDOOR SPLIT SYSTEM UNIT.

PUMP SCHEDULE																
PUMP No.	TYPE	SYSTEM	OPERATION DUTY/STAND-BY	FLUID TYPE	GPM	FEET HD	EFF %	BHP	MOTOR HP	RPM	ELECT CHAR	EMERGENCY POWER	VARIABLE FREQ DRIVE	OPERATING CONDITIONS	IMPELLER SIZE	BASIS OF DESIGN
HWP-1	VERTICAL INLINE	HOT WATER	DUTY	WATER	20	55	37	0.75	1.50	1760	208/60/3	YES	NO	GPM	50	ARMSTRONG 4380 - 1.5x1.5x8
					39	50	50	0.98						FT HD	45	
					65	35	42	1.37						EFF	49.5	
					20	55	37	0.75						GPM	50	
HWP-2	VERTICAL INLINE	HOT WATER	STAND-BY	WATER	39	50	50	0.98	1.50	1760	208/60/3	YES	NO	FT HD	45	ARMSTRONG 4380 - 1.5x1.5x8
					65	35	42	1.37						EFF	49.5	
					20	55	37	0.75						GPM	50	

- NOTES:
- REFER TO SCHEMATIC FLOW DIAGRAM FOR CONDENSATE PUMP SYSTEM DATA

HORIZONTAL UNIT HEATER SCHEDULE												
SYMBOL	SERVES	CFM	MOTOR WATTS	ELECT DATA	MBH	GPM	PD FT	EWTF °	WTD °F	EAT °F	FAT °F	BASIS OF DESIGN
HUH-1	3RD NORTH	450	16	120/60/1	17.4	1.8	0.014	180	19.3	60	96	STERLING HS-024B
HUH-2	3RD SOUTH	450	16	120/60/1	17.4	1.8	0.014	180	19.3	60	96	STERLING HS-024B
HUH-3	3RD CENTER	450	16	120/60/1	17.4	1.8	0.014	180	19.3	60	96	STERLING HS-024B

NOTES:

1. INSTALL ELECTRIC THERMOSTAT ON 0'-6" CONDUIT EXTENSION FROM BOTTOM OF UNIT HEATER.
2. SUPPLY ALL UNIT HEATERS W/ DOUBLE DEFLECTION LOUVERS.
3. INSTALL UNIT HEATERS H HIGH AS POSSIBLE WITH LIMITED SPACE AVAILABLE