

THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM

FAN COIL SCHEDULE																			
MARK	LOCATION	SERVES	TOTAL CFM	ESP (IN-WG)	COOLING DATA							ELECTRICAL DATA					MANUFACTURER AND MODEL	REMARKS	
					EAT			WATER				HEAT KW	HP	VOLTS	PHASE	MCA			
					DB DF	WB DF	GPM	EWT DF	LWT DF	Δ P MAX (FT)									
FCU-1	MIDDLE INTERMEDIATE	MIDDLE INTERMEDIATE	1000	0.3	23.0	19.5	75	62	5	44	54	10	6	1/3	208	1	35	YORK YHH-10	
FCU-2	JUNCTION LEVEL	JUNCTION LEVEL	1000	0.3	23.0	19.5	75	62	5	44	54	10	6	1/3	208	1	35	YORK YHH-10	
FCU-3	CABLE ACCESS WALKWAY LEVEL	ELECTRONIC EQUIPMENT	1000	0.3	23.0	19.5	75	62	5	44	54	10	6	1/3	208	1	35	YORK YHH-10	ESSENTIAL POWER

AIR COOLED CHILLER																	
MARK	NOMINAL TONS	AMB TEMP F	MIN OPER TEMP F	REF	GPM	MAX PD FT	EWT F	LWT F	ELECTRICAL DATA					MANUFACTURER AND MODEL	REMARKS		
									TOTAL		VOLT	PH	HZ				
									AMPS	KW							
ACC-1	47	105	0	R-22	124	15	54	44	103.6	69.8	460	3	60	YORK YCAL0050EC46	ESSENTIAL POWER (1)(2)		
ACC-2	47	105	0	R-22	124	15	54	44	103.6	69.8	460	3	60	YORK YCAL0050EC46	STANDBY UNIT - ESSENTIAL POWER (1)(2)		

- ① PROVIDE A MINIMUM OF (2) SCROLL COMPRESSORS, (2) REFRIGERANT CIRCUITS, LOW SOUND FANS, FLOW SWITCH AND HAIL GUARDS.
- ② 30% ETHYLENE GLYCOL.

ELECTRIC STEAM HUMIDIFIER SCHEDULE										
MARK	LOCATION	SERVES	TYPE	CAPACITY		ELECTRICAL DATA			REMARKS	
				KW	LB/HR	VOLTS	PH	HZ		
EHU-1	BASE BLDG RM 113	RM 113	ELECTRONIC	2	6	208	1	60	ARMSTRONG SERIES EHU 600 WITH EHF2 FAN PACKAGE OR APPROVED EQUAL	

COMPUTER ROOM UNIT SCHEDULE																							
MARK	LOCATION	SERVES	TYPE	FAN			COOLING DATA						HUMIDIFIER			REHEAT	UNIT ELECTRICAL				MANUFACTURER AND MODEL	REMARKS	
				CFM	ESP	HP	TOTAL MBH	SENS MBH	EAT DB	EAT WB	EWT	LWT	GPM	LBS/HR	KW	TYPE	KW	VOLT	PH	HZ			FLA
CRU-1	UPS ROOM	UPS	CHW, UP FLOW	1800	1/3	3/4	33.3	31.2	72	62	44	54	7.0	11.0	4.8	STEAM	9	460	3	60	19.0	LIEBERT 068C	ESSENTIAL POWER
CRU-2	UPS ROOM	UPS	CHW, UP FLOW	1800	1/3	3/4	33.3	31.2	72	62	44	54	7.0	11.0	4.8	STEAM	9	460	3	60	19.0	LIEBERT 068C	ESSENTIAL POWER, STANDBY
CRU-3	TOP INTERMEDIATE LEVEL	ELECTRONIC EQUIPMENT ROOM	CHW, HORIZ	1250	1/3	1/2	25.0	24.3	72	62	44	54	5.0	4.3	1.5	STEAM	4.7	208	1	60	34.2	LIEBERT MM040C	ESSENTIAL POWER
CRU-4	TOP INTERMEDIATE LEVEL	ELECTRONIC EQUIPMENT ROOM	CHW, HORIZ	1250	1/3	1/2	25.0	24.3	72	62	44	54	5.0	4.3	1.5	STEAM	4.7	208	1	60	34.2	LIEBERT MM040C	ESSENTIAL POWER, STANDBY

AIR HANDLING UNIT SCHEDULE																												
MARK	LOCATION	SERVES	TOTAL CFM	OA CFM	FAN			COOLING COIL								HEATING COIL						SINGLE POINT ELEC CONN			MANUFACTURER AND MODEL	REMARKS		
					① ESP	FILTER PD	HP	TOTAL MBH	SENS MBH	EAT DB	EAT WB	LAT DB	LAT WB	MAX APD IN WTR	MAX VEL FPM	MAX WPD FT WTR	MIN ROWS	GPM	MBH	MAX APD IN WTR	MAX WPD FT WTR	ROWS	GPM	VOLT			PH	HZ
AHU-1	MECH ROOM	BASE BLDG	4250	1300	3.3	1.8	7 1/2	190.0	136.7	84.3	67.9	55.0	53.2	1.0	500	20	8	42	56	0.15	10	1	11	460	3	60	YORK SOLUTION 57x36(2)	
AHU-2	CAB ROOF	CAB	3600	160	2.6	1.8	7 1/2	119.1	91.4	76.2	65.0	54.5	54.0	1.0	500	20	8	27	-	-	-	-	-	460	3	60	YORK SOLUTION 42x45	ESSENTIAL POWER
AHU-3	CAB ROOF	CAB	3600	160	2.6	1.8	7 1/2	119.1	91.4	76.2	65.0	54.5	54.0	1.0	500	20	8	27	-	-	-	-	-	460	3	60	YORK SOLUTION 42x45	ESSENTIAL POWER, STANDBY
AHU-4	BASE-EG BLDG	ELEC EQUIP ROOM	4650	80	2.5	1.5	7 1/2	150.0	123.5	75.8	65.0	51.0	50.8	1.0	500	20	10	43	-	-	-	-	-	460	3	60	YORK SOLUTION 48x48	ESSENTIAL POWER
AHU-5	BASE-EG BLDG	ELEC EQUIP ROOM	4650	80	2.5	1.5	7 1/2	150.0	123.5	75.8	65.0	51.0	50.8	1.0	500	20	10	43	-	-	-	-	-	460	3	60	YORK SOLUTION 48x48	ESSENTIAL POWER, STANDBY

- ① ESP INCLUDES FILTER PD.
- ② WITH VARIABLE FREQUENCY DRIVE.

ELECTRIC DUCT HEATER SCHEDULE													
MARK	LOCATION	SERVES	CFM	EAT DB° F	LAT DB° F	KW	ELECTRICAL DATA			HEIGHT INCHES	WIDTH INCHES	MANUFACTURER AND MODEL	REMARKS
							VOLT	PH	HZ				
EDH-1	ELECTRONIC ROOM	ELECTRONIC ROOM	410	68	75	1	277	1	60	(1)	INDEECO QUA	ESSENTIAL POWER	
EDH-2	ELECTRONIC ROOM	ELECTRONIC ROOM	820	68	75	2	480	3	60	(1)	INDEECO QUA	ESSENTIAL POWER	
EDH-3	ELECTRONIC ROOM	TELCO	275	68	75	0.75	277	1	60	(1)	INDEECO QUA	ESSENTIAL POWER	
EDH-4	CAB ROOF	CAB	3600	70	85	18	480	3	60	(1)	INDEECO QUA	ESSENTIAL POWER	
EDH-5	CAB ROOF	CAB	3600	70	85	18	480	3	60	(1)	INDEECO QUA	ESSENTIAL POWER	

- ① REFERENCE DRAWINGS FOR DUCT SIZE.

GENERAL NOTES:

1. FOR DRAWING INDEX SEE DRAWING G002, FOR GENERAL ABBREVIATIONS SEE DRAWING G003, FOR MECHANICAL LEGENDS AND ABBREVIATIONS SEE DRAWINGS G005 AND G006.
2. ALL NOTED DUCT DIMENSIONS ARE CLEAR INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
3. AIR FLOWS SHOWN IN CUBIC FEET PER MINUTE (CFM) ARE ACTUAL AIR FLOWS (ACFM) AT SITE ELEVATION.
4. ALL EQUIPMENT SUPPORTS, FOUNDATIONS, PADS, WALL OPENINGS OR PENETRATIONS SHALL BE VERIFIED WITH ACTUAL PURCHASED EQUIPMENT FOR SIZE AND FIT. THE EQUIPMENT SIZES INDICATED ON THE DRAWINGS WERE SELECTED FOR ENGINEERING DESIGN AND SPACE ALLOCATION PURPOSES. THE ACTUAL SIZE MAY VARY DEPENDING ON PURCHASED EQUIPMENT TO BE INSTALLED. CONTRACTOR TO MAKE THE NECESSARY MODIFICATIONS BASED ON THE INSTALLED EQUIPMENT REQUIREMENTS WITHOUT ANY ADDITIONAL COST TO THE CONTRACT.
5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH SPECIFICATIONS.
6. CONTRACTOR SHALL COORDINATE ALL DUCTWORK AND EQUIPMENT LOCATIONS WITH ELECTRICAL, STRUCTURAL, PLUMBING, FIRE PROTECTION AND ANY OTHER TRADES TO AVOID INTERFERENCES AND DELAYS. PROVIDE ALL CLEARANCES AS RECOMMENDED BY THE MANUFACTURER FOR REQUIRED MAINTENANCE.
7. EQUIPMENT AND MATERIAL LOCATED ABOVE CEILING SPACES USED AS SUPPLY OR RETURN PLENUMS SHALL BE INSTALLED TO COMPLY WITH NFPA 90A, UBC, AND LOCAL CODES.
8. INSTALLATION SHALL PROVIDE FOR READY ACCESS TO ALL DAMPERS, COILS AND OTHER CONTROL DEVICES. ACCESS DOORS SHALL BE INSTALLED TO PROVIDE ADEQUATE CLEARANCES FOR DIRECT ACCESS TO DAMPERS.

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX					
LOW ACTIVITY LEVEL ATCT HVAC EQUIPMENT SCHEDULES					
ADDISON		ADDISON AIRPORT		TX	
REVIEWED BY	SUBMITTED BY	APPROVED BY			
	<i>Mike Owen</i> 7/21/03	<i>Johnnie L. White</i> 7/21/03			
DESIGNED	PROJECT ENGINEER, ANI-630	DATE	PLATFORM MANAGER, ANI-630		
DRAWN	M. DOERR	ISSUED BY	DATE	JCN	9700164
CHECKED	KS	NAS IMPLEMENTATION ANI-600	DRAWING NO	9700164	REV
			ADS-D-ATCT-M001		A

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