

HVAC AND MOTOR CONTROL SCHEDULE

MARK	EQUIPMENT DESIGNATION	MOTOR		STARTER/DISC		WIRE SIZE/CONDUIT	CONTROL DEVICES/ACCESSORIES		CONTROL DIAGRAM NUMBER (NOTE 3)	SEE NOTE
		HP/FLA/KW	VOLT. PH	TYPE	SIZE		IN STARTER	REMOTE		
EF-1	EXHAUST FAN	1/4 HP	120	FVNR/WP	1	2 NO.12, NO.12G, 3/4" C			1	
EF-2	EXHAUST FAN	1/60 HP	120	FVNR/WP	1	2 NO.12, NO.12G, 3/4" C			1	
EF-3	EXHAUST FAN	49 W	120	FVNR	1	2 NO.12, NO.12G, 3/4" C			1	
EF-4	EXHAUST FAN	1/20 HP	120	SWITCH	15A	2 NO.12, NO.12G, 3/4" C			1	
UH-1	UNIT HEATER	4KW*1/100 HP	208			2 NO.10, NO.12G, 3/4" C				
UH-2	UNIT HEATER	4KW*1/100 HP	208			2 NO.10, NO.12G, 3/4" C				
UH-3	UNIT HEATER	10KW*1/30 HP	480			3 NO.12, NO.12G, 3/4" C				
ACC-1	AIR COOLED CHILLER	103.6 FLA	480	DISC	200/3/NF/3R	3 NO.1/0, NO.10G, 2" C				1
ACC-2	AIR COOLED CHILLER	103.6 FLA	480	DISC	200/3/NF/3R	3 NO.1/0, NO.10G, 2" C				1,2
P-3	CHILLED WATER PUMP	10 HP	480	FVNR	1/3R	3 NO.10, NO.10G, 3/4" C				1
P-4	CHILLED WATER PUMP	10 HP	480	FVNR	1/3R	3 NO.10, NO.10G, 3/4" C				1,2
CRU-1	COMPUTER ROOM UNIT	19.0 FLA	480	DISC	30A/3P/F30	3 NO.10, NO.10G, 3/4" C				1
CRU-2	COMPUTER ROOM UNIT	19.0 FLA	480	DISC	30A/3P/F30	3 NO.10, NO.10G, 3/4" C				1,2
EHU-1	ELECTRIC HUMIDIFIER	2.0 KW	208			2 NO.12, NO.12G, 3/4" C				6
AHU-1	AIR HANDLING UNIT	7.5 HP	480	FVNR	1	3 NO.12, NO.12G, 3/4" C			2	
CRU-3	COMPUTER ROOM UNIT	34.2 FLA	208	DISC	60A/2P/F50	2 NO.6, NO.10G, 3/4" C				1
CRU-4	COMPUTER ROOM UNIT	34.2 FLA	208	DISC	60A/2P/F50	2 NO.6, NO.10G, 3/4" C				2
FCU-3	FAN COIL UNIT	27.0 FLA	208	DISC	60A/2P/F40	2 NO.8, NO.10G, 3/4" C				1
P-1	PUMP-1	1/2 HP	120	FVNR	1	2 NO.12, NO.12G, 3/4" C				2 *
P-2	PUMP-2	1/2 HP	120	FVNR	1	2 NO.12, NO.12G, 3/4" C				2 *
SPF-1	STAIR PRESSURIZATION FAN	2 HP	480	FVNR	1	3 NO.12, NO.12G, 3/4" C				2
SVF-1	STAIR VENTILATION FAN	3/4 HP	480	FVNR	1	3 NO.12, NO.12G, 3/4" C				2
SVF-2	STAIR VENTILATION FAN	1HP	480	FVNR	1	3 NO.12, NO.12G, 3/4" C				2
FCU-1	FAN COIL UNIT	27.0 FLA	208	DISC	60A/2P/F40	2 NO.8, NO.10G, 3/4" C				
FCU-2	FAN COIL UNIT	27.0 FLA	208	DISC	60A/2P/F40	2 NO.8, NO.10G, 3/4" C				
CV-1	CENTRAL VACUUM-TOWER	3 HP	480	DISC	30A/3P/NF	3 NO.12, NO.12G, 3/4" C				3
CV-2	CENTRAL VACUUM-BASE BLDG	5 HP	480	DISC	30A/3P/NF	3 NO.12, NO.12G, 3/4" C				3
BP-1	BOOSTER PUMP	1/2 HP	480	DISC	30A/3P/NF	3 NO.12, NO.12G, 3/4" C				1,5
B-1	BOILER		120			2 NO.12, NO.12G, 3/4" C				
WH-1	WATER HEATER	1.5KW	208			2 NO.12, NO.12G, 3/4" C				6
EWC-1	ELEC.WATER COOLER	2.4 FLA	120			2 NO.12, NO.12G, 3/4" C				6
EWC-2	ELEC.WATER COOLER	2.4 FLA	120			2 NO.12, NO.12G, 3/4" C				6
EWC-3	ELEC.WATER COOLER	2.4 FLA	120			2 NO.12, NO.12G, 3/4" C				6
EWC-4	ELEC.WATER COOLER	2.4 FLA	120			2 NO.12, NO.12G, 3/4" C				6
AHU-2	ROOF TOP A/C	7.5 HP	480	DISC	30A/3P/F20/WP	3 NO.12, NO.12G, 3/4" C				1
AHU-3	ROOF TOP A/C	7.5 HP	480	DISC	30A/3P/F20/WP	3 NO.12, NO.12G, 3/4" C				1,2
AHU-4	ROOF TOP A/C	7.5 HP	480	DISC	30A/3P/F20/WP	3 NO.12, NO.12G, 3/4" C				1
AHU-5	ROOF TOP A/C	7.5 HP	480	DISC	30A/3P/F20/WP	3 NO.12, NO.12G, 3/4" C				1,2
SP-1	ATCT ELEVATOR PIT	1/2 HP	120	RECEPT		2 NO.12, NO.12G, 3/4" C				1,4
VAV-1	VAV FAN POWERED TERM. UNIT	1/4 HP	277		INTEGRAL DISC	2 NO.12, NO.12G, 3/4" C				
VAV-2	VAV FAN POWERED TERM. UNIT	1/4 HP	277		INTEGRAL DISC	2 NO.12, NO.12G, 3/4" C				
VAV-3	VAV FAN POWERED TERM. UNIT	1/4 HP	277		INTEGRAL DISC	2 NO.12, NO.12G, 3/4" C				
VAV-4	VAV FAN POWERED TERM. UNIT	1/4 HP	277		INTEGRAL DISC	2 NO.12, NO.12G, 3/4" C				
VAV-5	VAV FAN POWERED TERM. UNIT	1/4 HP	277		INTEGRAL DISC	2 NO.12, NO.12G, 3/4" C				
VAV-6	VAV FAN POWERED TERM. UNIT	1/4 HP	277		INTEGRAL DISC	2 NO.12, NO.12G, 3/4" C				
VAV-7	VAV FAN POWERED TERM. UNIT	1/4 HP	277		INTEGRAL DISC	2 NO.12, NO.12G, 3/4" C				
VAV-8	VAV FAN POWERED TERM. UNIT	1/4 HP	277		INTEGRAL DISC	2 NO.12, NO.12G, 3/4" C				
---	DOCKLIFT HYDRAULIC UNIT	5 HP	480	DISC	30A/3P/F15	3 NO.12, NO.12G, 3/4" C				1
EDH-1	DUCT HEATER	1KW	277			2 NO.12, NO.12G, 3/4" C				1
EDH-2	DUCT HEATER	2 KW	480			3 NO.12, NO.12G, 3/4" C				1
EDH-3	DUCT HEATER	.75 KW	277							1
EDH-4	DUCT HEATER	.18 KW	480	DISC	60A/3P/NF/3R	3 NO.8, NO.8G, 1" C				1
EDH-5	DUCT HEATER	.18 KW	480	DISC	60A/3P/NF/3R	3 NO.8, NO.8G, 1" C				1,2

* SIMILAR TO CONTROL DIAGRAM 2 EXCEPT SINGLE PHASE

NOTES:

1. ESSENTIAL POWER.
2. REDUNDANT STANDBY UNIT.
3. SEE DRAWING E68 FOR CONTROL DIAGRAMS.
4. FLOAT CONTROLLED SELF CONTAINED UNIT.
5. START/STOP STATION IN ATCT CAB.
6. CONNECT UNIT.

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-03-03	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
MOTOR CONTROL SCHEDULE

ADDISON ADDISON AIRPORT TX

REVIEWED BY: *m.a. Luheeds 7/18/03* SUBMITTED BY: *Johanni L White 7/18/03*

PROJECT ENGINEER, ANI-630 PLATFORM MANAGER, ANI-630

DRAWN: M. DOERR ISSUED BY: DATE: 06-23-03 JCN: 9700164

CHECKED: LTM/SLH NAS IMPLEMENTATION ANI-600 DRAWING NO: ADS-D-ATCT-E041 REV: A