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MECHANICAL / ELECTRICAL COORDINATION SCHEDULE														
ABBREVIATION:														
E	ELECTRICAL CONTRACTOR	HP	HORSEPOWER	4X	NEMA 4X	V	VOLTAGE							
M	MECHANICAL CONTRACTOR	KW	KILOWATTS	PH	PHASE	VFD	VARIABLE FREQUENCY							
I	INTEGRAL WITH EQUIPMENT	MR	PER MANUFACTURER'S	RE	REVERSING		DRIVE							
C	COMBINATION STARTER AND SAFETY SWITCH	NF	NON-FUSED	RV	REDUCED VOLTAGE	2S	TWO SPEED							
CB	CIRCUIT BREAKER	NR	NON-REVERSING	SF	FUSE HOLDER WITH SWITCH	3S	THREE SPEED							
FV	FULL VOLTAGE	N1	NEMA 1	SS	SAFETY SWITCH									
FLA	FULL LOAD AMPS	3R	NEMA 3R	SH	HP RATED SWITCH									
				ST	THERMAL ELEM. SWITCH									
REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS														
MARK	DESCRIPTION	RATING			FURNISH/INSTALL BY	DISCONNECT				MOTOR STARTER			NAMEPLATE MINIMUM SCCR (AMPS)	REMARKS
		LOAD	V	PH		TYPE	RATING (AMPS)	FUSE SIZE	ENCL.	FURNISH/INSTALL BY	TYPE NEMA SIZE	ENCL.		
AHU-2	AIR HANDLING UNIT	7.5 HP	208	3	E/E	SF	60	MR	N1	E/E	-	N1	5000	VFD
RF-2	RETURN AIR FAN	5 HP	208	3	E/E	SF	30	MR	N1	E/E	-	N1	5000	VFD
EF-5	EXHAUST FAN (AHU-2)	.5A	120	1	E/E	SH	20	MR	N1	E/E	-	-	-	
EF-6	EXHAUST FAN (AHU-2)	.5A	120	1	E/E	SH	20	MR	N1	E/E	-	-	-	
EF-7	EXHAUST FAN (AHU-2)	.5A	120	1	E/E	SH	20	MR	N1	E/E	-	-	-	3
EF-8	EXHAUST FAN (AHU-2)	1/6 HP	120	1	E/E	SH	20	MR	N1	E/E	-	-	-	
VAF-1	VENTILATION FAN	1/2 HP	120	1	E/E	SH	20	MR	N1	E/E	-	-	-	
H-2	HUMIDIFIER (AHU-2)	4A	120	1	E/E	SF	20	MR	N1	-	-	-	-	
CP-2	CONDENSATE PUMP	1 HP	208	3	E/E	SF			N1	E/E	-	-	-	
GENERAL NOTES:														
A. VERIFY/COORDINATE ALL RATINGS FOR EQUIPMENT. WHERE SUCH RATINGS ARE OTHER THAN THAT INDICATED ON MECHANICAL/ELECTRICAL COORDINATION SCHEDULE, PROVIDE DISCONNECTS, MOTOR STARTERS, OVERCURRENT DEVICES AND RELATED REVISIONS ACCORDINGLY. WHERE EQUIPMENT IS PROVIDED WITH RATINGS OTHER THAN THAT INDICATED, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND ASSOCIATED COSTS FOR REVISIONS.														
B. PROVIDE FRACTIONAL HORSEPOWER MOTORS WITH INTEGRAL OVERLOAD PROTECTION.														
C. EQUIPMENT LISTED IN SCHEDULE MAY APPEAR IN NUMEROUS LOCATIONS. EQUIPMENT MARKS ARE DESIGNATED BY UNIQUE IDENTIFIERS ON THE PLANS; I.E., HP-1.1, HP-1.2. IN THESE INSTANCES, THE ELECTRICAL REQUIREMENTS DO NOT CHANGE FROM ONE MARK TO THE NEXT, ONLY THE UNIQUE IDENTIFIER CHANGES.														
D. HORSEPOWER RATED SWITCHES (SH): FOR 120 V MOTORS LESS THAN 1/2 HP, PROVIDE FUSEHOLDER WITH SWITCH, FUSED PER MANUFACTURER'S RECOMMENDATION AND NEC REQUIREMENTS. FOR 120 V MOTORS RATED 1/2 HP OR 3/4 HP, PROVIDE HP RATED TOGGLE SWITCH (WHERE BRANCH CIRCUIT OVERCURRENT DEVICE MEETS NEC REQUIREMENTS FOR SHORT-CIRCUIT PROTECTION) OR FUSED SAFETY SWITCH.														
E. INDUSTRIAL CONTROL PANELS AS DEFINED BY NEC ARTICLE 409, MOTOR CONTROLLERS, HERMETIC REFRIGERANT MOTOR COMPRESSORS AND EQUIPMENT SHALL BE MARKED WITH INFORMATION AS REQUIRED BY THE NATIONAL ELECTRICAL CODE (NEC). MARK IN ACCORDANCE WITH NEC ARTICLE 409.110 FOR INDUSTRIAL CONTROL PANELS, NEC ARTICLE 430.8 FOR CONTROLLERS AND NEC ARTICLE 440.4(B) FOR HERMETIC REFRIGERANT MOTOR COMPRESSORS AND EQUIPMENT. THE MARKED SHORT CIRCUIT CURRENT RATING (SCCR) SHALL BE NO LESS THAN THE VALUE INDICATED ABOVE.														
REMARKS:														
1. PROVIDE EXHAUST FAN MOTOR FACTORY-WIRED TO WEATHERPROOF JUNCTION BOX INTEGRAL WITH FAN. ELECTRICAL CONTRACTOR TO PROVIDE WEATHERPROOF HORSEPOWER RATED SWITCH (SEE GENERAL NOTES ABOVE).														
2. PROVIDE LOCKABLE DISCONNECT INTEGRAL WITH VFD.														
3. INTERLOCK WITH AHU-1.														

LOUVER SCHEDULE											
MARK	FUNCTION	CFM	AIR P.D.	SIZE (INCHES)			FINISH	SCREEN		MANUFACTURER & MODEL NO.	REMARKS
				WIDTH	HEIGHT	DEPTH		BIRD	INSECT		
EL-1	EXHAUST AIR	3,250	0.15	3'-6"	5'-6"	4"	ALUMINUM	X	X	RUSKIN ELF445DX	1, 2, 3, 4
EL-2	EXHAUST AIR	700	0.10	1'-8"	1'-8"	4"	ALUMINUM	X	X	RUSKIN ELF445DX	1, 2, 3, 4
IL-1	OUTSIDE AIR	3,250	0.15	3'-6"	5'-6"	4"	ALUMINUM	X	X	RUSKIN ELF445DX	1, 2, 3, 4
IL-2	OUTSIDE AIR	1,000	0.15	3'-0"	2'-3"	4"	ALUMINUM	X	X	RUSKIN ELF445DX	1, 2, 3, 4
REMARKS:											
1. FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR.											
2. MANUFACTURER AND MODEL NO. LISTED AS BASIS OF DESIGN.											
3. LOUVER SIZES SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXISTING WINDOW OPENING.											
4. PROVIDE BIRD SCREEN ON THE EXTERIOR OF THE LOUVER TO PREVENT BAT NESTING.											

BUILT-UP AIR HANDLING UNIT SCHEDULE										
MARK				AHU-2						
LOCATION				ATTIC SPACE						
SERVES				SECOND FLOOR						
DRAW THRU / BLOW THRU			UNIT TYPE	DRAW THRU						
COOL / HEAT / COOL & HEAT				COOL & HEAT						
VAV / DUAL DUCT / MULTI-ZONE				VAV W/REHEAT						
COOL MED / HEAT MED				CHILLED WATER/HOT WATER						
HORIZONTAL / VERTICAL			ARRANG.	HORIZONTAL						
FLOOR MOUNTED / CEILING SUSPENDED				FLOOR MOUNTED						
DISCHARGE				TOP						
PRESSURE CLASS (LOW / MED / HIGH)				LOW						
NOMINAL COIL FACE AREA (SQ. FEET)				14						
MANUFACTURER				TRANE						
MODEL NUMBER				CLIMATE CHANGER - SIZE 14						
UNIT COMPONENT CONFIGURATION (ORDER IS IN DIRECTION OF AIRFLOW)				AIR MIXING SECTION						
				AIR BLENDER						
				PRE FILTER BANK						
				HOT WATER COIL						
				HUMIDIFIER DISPERSION						
				ACCESS SECTION						
				CHILLED WATER COIL						
				ACCESS SECTION						
				SUPPLY FAN SECTION						
				ACCESS SECTION						
THIS IS REFERRING TO THE MOTOR STARTER ONLY				FINAL FILTER BANK						
				DISCHARGE PLENUM						
MARK				SUPPLY FAN	SF-2					
AIRFLOW CFM					6,500					
EXTERNAL S.P. (IN. OF WATER)					2					
TOTAL S.P. (IN. OF WATER)					4.2					
BHP / RPM					6.5					
VARIABLE CONTROL					VFD					
UNIT VIBRATION ISOLATORS					YES					
WHEEL (NO / SIZE / BLADE TYPE)					ONE/22.25 INCH/ DIRECT DRIVE PLENUM					
MANUFACTURER					TRANE					
MODEL NUMBER										
MARK				PRE-FILTER ASSEMBLY	PF-2					
BOX CONSTRUCTION					FLAT FILTER SECTION					
FILTER TYPE					2" PLEATED					
RATED EFFICIENCY					MERV 8					
FACE VELOCITY (FPM)					450					
INITIAL / FINAL A.P.D. (IN. OF WATER)					0.63 / 0.75					
MARK				HOT WATER HEATING COIL	HC-2					
FACE AREA (SQ. FEET)					13.7					
FACE VELOCITY (FPM)					476					
AIRFLOW CFM					6500					
ENTERING AIR TEMP. D.B. / W.B. (°F)					40 D.B.					
LEAVING AIR TEMP. D.B. / W.B. (°F)					72 D.B.					
MAXIMUM A.P. DROP (IN. OF WATER)					0.11					
MINIMUM ROWS					2 ROW					
MAXIMUM FINS (PER FOOT)					72 FPF					
TOTAL CAPACITY (MBH)					194 MBH					
GPM					14 GPM					
WATER TEMP. E.W.T. / L.W.T. (°F)					190 / 160					
MAX.W.P. DROP (FEET OF WATER)					0.95					
MANUFACTURER					TRANE					
MODEL NUMBER					TYPE UA					

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