

ELECTRIC UNIT HEATER SCHEDULE											EUH				
TAG	SERVING	HEATING DATA					MOTOR (HP)	ELECTRICAL DATA				MANUFACTURER	MODEL	WEIGHT	NOTES
		INPUT (KW)	MBH	CFM	EAT (°F)	LAT (°F)		STAGES	V	Ph	Hz				
EUH-01	HIDES DOCK - NORTH	5	-	700	-	-	-	2	480	3	60	INDEECO	234-U11N-0050U	56	1-9
EUH-02	HIDES DOCK - SOUTH	5	-	700	-	-	-	2	480	3	60	INDEECO	234-U11N-0050U	56	1-9
EUH-03	UTILITY ROOM	10	-	700	-	-	-	2	480	3	60	INDEECO	926U10000UA	45	1-7
EUH-04	INTERSTITIAL SPACE - NORTH	10	-	700	-	-	-	2	480	3	60	INDEECO	926U10000UA	45	1-7
EUH-05	INTERSTITIAL SPACE - SOUTH	10	-	700	-	-	-	2	480	3	60	INDEECO	926U10000UA	45	1-7

GENERAL: ALL HEATERS SHALL BE UL LISTED AND LABELED.

- NOTES:
1. PROVIDE SINGLE POINT POWER CONNECTION AND FACTORY WIRED AND MOUNTED LOCKABLE DISCONNECT.
 2. PROVIDE WITH ADJUSTABLE OUTLET LOUVERS.
 3. PROVIDE WITH FACTORY MOUNTED / WIRED HEATER ON LIGHT.
 4. PROVIDE FACTORY INSTALLED OVERHEAT CUTOUT WITH MANUAL RESET.
 5. CONFIRM COLOR WITH ARCHITECT DURING SUBMITTALS.
 6. PROVIDE WITH HANGING KIT AS REQUIRED FOR COMPLETE INSTALLATION.
 7. PROVIDE ALL EQUIPMENT CONTROLS NECESSARY FOR COMPLETE DDC INTEGRATION. AT A MINIMUM, DDC SHALL BE ABLE TO START/STOP FAN AND STAGE HEATERS ON/OFF.
 8. PROVIDE WITH EPOXY COATED PARTS AND FAN BLADE.

LOUVER SCHEDULE													L	
TAG	SERVING	CFM	TYPE	MATERIAL	WIDTH (IN.)	HEIGHT (IN.)	FREE AREA (FT/SQ)	FA VELOCITY (FPM)	SCREEN	FINISH	MANUFACTURER	MODEL	WEIGHT (LBS)	NOTES
L-02	UTILITY ROOM	200	STATIONARY	ALUMINUM	18	18	0.93	215	INSECT	SEE NOTE 5	RUSHKIN	ELF83750X	-	1-3, 6

- NOTES:
1. PROVIDE WITH SILL PAN / FLANGED FRAME.
 2. FREE AREA VELOCITY ON AIR INLET MUST BE BELOW POINT OF WATER PENETRATION (0.0102FT/2 PER 15 MIN).
 3. PROVIDE SINGLE PIECE INSECT SCREEN WITH STAINLESS STEEL FRAME. INSECT SCREEN SHALL BE MOUNTED TO EXTERIOR OF LOUVER (NO BIRD SCREEN). PROVIDE ALL STAINLESS STEEL SCREEN MOUNTING AND RETAINING HARDWARE. SCREENS SHALL BE DESIGNED FOR EASE OF REMOVAL FOR CLEANING INCORPORATING SNAP IN PLACE CLAMPS.
 4. PROVIDE WITH 115V ELECTRIC ACTUATOR. IF NECESSARY, PROVIDE MULTIPLE MOTORS BASED ON REQUIRED TORQUE.
 5. DAMPER SHALL BE MONITORED AND CONTROLLED BY DDC SYSTEM.
 6. CONFIRM FINISH WITH ARCHITECT DURING SUBMITTAL PROCESS.

DUCT SMOKE DETECTOR LOCATION SCHEDULE						
EQUIPMENT SERVED TAG	AREA SERVED	MAX SUPPLY (CFM)	SUPPLY DUCT SMOKE	MAX RETURN (CFM)	RETURN DUCT SMOKE	NOTES
RTU-01	OFFICES / RESTROOMS / RETAIL / MEETING ROOMS	3,400	YES	2,300	YES	-
RTU-02	SMOKE HOUSE	2,400	YES	2,150	YES	-
RTU-04	KILL FLOOR	14,000	YES	13,850	YES	-
AHU-01	BREAKING & FABRICATION	8,000	YES	8,000	YES	-
SF-01	INTERSTITIAL SPACE - EAST	4,500	YES	N/A	NO	-
SF-02	INTERSTITIAL SPACE - WEST	4,500	YES	N/A	NO	-

GENERAL NOTES: SEE ELECTRICAL DRAWINGS AND SCHEDULE.

AIR CURTAIN SCHEDULE										ARC			
TAG	SERVING	CFM	LENGTH (FT)	ELECTRICAL				MANUFACTURER	CONSTRUCTION	MODEL	WEIGHT (LBS)	NOTES	
				HP	Motor Qty	VOLT	PHASE						Hz
ARC-01	CHILL COOLER	5,081 / 3,417	96	3/4	2	480	3	60	POWERED AIR	316 SS	LDC 2,96	-	1-6
ARC-02	SALES COOLER	5,081 / 3,417	96	3/4	2	480	3	60	POWERED AIR	316 SS	LDC 2,96	-	1-6

- NOTES:
1. PROVIDE WITH 1/2" CLEANABLE FILTER.
 2. PROVIDE WITH FACTORY MOUNTED AND WIRED DISCONNECT SWITCH.
 3. PROVIDE WITH FACTORY SINGLE POINT POWER CONNECTION TO ACCEPT 480V 3PH POWER.
 4. PROVIDE WITH REMOTE MOUNTED NEMA 4X CONTROL PANEL.
 5. PROVIDE WITH DOOR ACTIVATED SWITCH AND MOTOR CONTROL PANEL.
 6. CURTAIN SHALL BE UNHEATED TYPE.

SPLIT SYSTEM DX AIR CONDITIONING (HEAT PUMPS)											FC/HP						
TAG	SERVING	CAPACITY (CFM)	SPACE TEMP RANGE (°F)	TONS (TOTAL)	REFRIGERANT	ELECTRICAL DATA						MANUFACTURER	MODEL (INDOOR UNIT)	MODEL (OUTDOOR UNIT)	WEIGHT (LBS)	NOTES	
						V	Ph	Hz	FLA (Amp)	MCA (Indoor Unit)	MCA (Outdoor Unit)						MCCP (Outdoor Unit)
HP-01	ELECTRICAL ROOM	-	78-95	3.5	410A	208	1	60	-	2	26	40	MTSUBISHI	PCA442K44	PUZ442NH44	-	1-7

- NOTES:
1. PROVIDE WITH NEMA 3R EXTERNALLY MOUNTED LOCKABLE DISCONNECT SWITCH AND SINGLE POINT POWER CONNECTION. INDOOR UNIT RECEIVES POWER FROM OUTDOOR UNIT THROUGH FIELD SUPPLIED INTERCONNECTING WIRE.
 2. PROVIDE WITH WIRED PROGRAMMABLE THERMOSTAT.
 3. PROVIDE WITH MATCHING CU OR HP.
 4. PROVIDE CLOSED CELL INSULATION ON REFRIGERANT LINES WITH PVC JACKET INTERIOR AND ALUMINUM JACKET EXTERIOR.
 5. ALL FAULT INTERRUPTING DEVICES SHALL BE UL LISTED AND LABELED WITH A RATING TO SKAG.
 6. INDOOR UNIT HAS BEEN TAGGED FC-01 ON DRAWINGS.
 7. UNIT SHALL BE RATED FOR OPERATION IN °F OUTDOOR TEMPERATURES.

FAN SCHEDULE											EF/SF/RF/GV			
TAG	SERVING	FAN DATA			MOTOR			ELECTRICAL DATA			MANUFACTURER	MODEL	WEIGHT (LBS)	NOTES
		CAPACITY (CFM)	ESP (IN. WG)	HP	MAX FRPM	TYPE/DRIVE	V	Ph	Hz					
SUPPLY FANS														
SF-01	INTERSTITIAL SPACE - EAST	4,500	0.33	1.5	1635	BELT	480	3	60	LOREN COOK	HEF 24	570	1-3, 6	
SF-02	INTERSTITIAL SPACE - WEST	4,500	0.33	1.5	1635	BELT	480	3	60	LOREN COOK	HEF 24	570	1-3, 6	
EXHAUST FANS														
EF-01	OFFICE RESTROOMS / JAN	450	0.50	1/4	1725	DIRECT	115	1	60	LOREN COOK	100C17DEC	35	1, 3, 6	
EF-02	FABRILL RESTROOMS / JAN	750	0.50	1/8	2013	BELT	115	1	60	LOREN COOK	100 ACEB	49	1-3, 6	
EF-03	CHEMICAL STORAGE	300	0.33	1/8	1725	DIRECT	115	1	60	LOREN COOK	90R15DL	28	1, 3, 5, 6	
EF-04	KILL FLOOR CLEANING	7,000	0.50	2.00	837	BELT	480	3	60	LOREN COOK	300 ACRUB	319	1, 2, 4, 5, 6	
EF-05	KILL FLOOR HIDE ON	7,000	0.50	2.00	837	BELT	480	3	60	LOREN COOK	300 ACRUB	319	1, 2, 4, 5, 6	
EF-06	INTERSTITIAL SPACE - EAST	4,500	0.33	1.00	1190	BELT	480	3	60	LOREN COOK	210 ACEB	243	1-3, 6	
EF-07	INTERSTITIAL SPACE - WEST	4,500	0.33	1.00	1190	BELT	480	3	60	LOREN COOK	210 ACEB	243	1-3, 6	
EF-08	UTILITY ROOM	12,000	0.33	3.00	716	VFD	480	3	60	LOREN COOK	330 ACRUB	461	1-3, 6	
GRAVITY VENTILATOR - EXHAUST														
GV-01	PACKAGING ROOM	450	0.05	-	-	-	-	-	-	LOREN COOK	16 PR	35	1, 4, 5	

GENERAL: ALL FANS SHALL BE UL LISTED. ALL FANS & MOTORIZED DAMPERS SHALL BE MONITORED AND CONTROLLED BY DDC SYSTEM.

- NOTES:
1. PROVIDE WITH ROOF CURB PITCHED TO MATCH ROOF SLOPE. CURBS SHALL BE MINIMUM OF 16" HIGH AND CONSTRUCTED TO MEET SEISMIC ZONE REQUIREMENTS FOR PROJECT LOCATION.
 2. PROVIDE WITH AUTOMATIC BELT TENSIONER.
 3. PROVIDE WITH GRAVITY BACK DRAFT DAMPER.
 4. PROVIDE WITH 115V MOTOR OPERATED DAMPER.

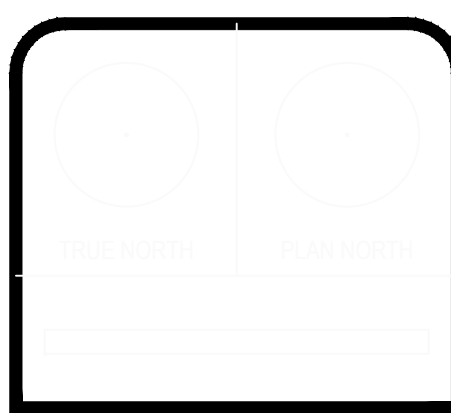
6. PROVIDE WITH FACTORY MOUNTED AND WIRED WITH LOCKABLE NEMA 3R DISCONNECT. DISCONNECT SHALL BE EXTERNALLY MOUNTED TO FAN HOUSING. VFD CAPABLE MOTORS TO HAVE AUX CONTACT ON DISCONNECT.

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MECHANICAL
SCHEDULES II

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DRAWING NO.
M5.002
4730

RELEASE	DATE	BY	APP.	REASON FOR...
E	10/12/2016	JN	JN	BID - REV 1
D	10/12/2016	JN	JW	PERMIT
C	09/30/2016	JN	JN	BID
B	08/12/2016	RF	JN	REVIEW
A	08/05/2016	RF	JN	REVIEW