

EXHAUST FAN SCHEDULE

QTY.	TAG	AREA SERVED	LOCATION	CFM	S.P. (IN. H ₂ O)	RPM	AMPS	WATTS	HP	VOLTS	PHASE	CYCLE	DRIVE	SONES	WEIGHT (LBS)	SIZE (LxWxH)	MANUF.	MODEL	REMARKS
1	EF-1	PAID	-	5345	.25	863	-	-	1/2	120	1	60	BELT	17.4	95	24"DIA	GREENHECK	SBE-1L245	3 5
1	EF-2	UNPAID	-	5345	.25	863	-	-	1/2	120	1	60	BELT	17.4	95	24"DIA	GREENHECK	SBE-1L245	3 5
1	EF-3	UNPAID	-	6100	.25	725	-	-	1/2	120	1	60	BELT	15.5	95	30"DIA	GREENHECK	SBE-1H305	3 5
1	EF-4	UNPAID	-	6100	.25	725	-	-	1/2	120	1	60	BELT	15.5	95	30"DIA	GREENHECK	SBE-1H305	3 5
1	EF-5	JAN CLOSET	-	200	.25	1650	-	.78	-	120	1	60	DIRECT	5.2	20	10"DIA	GREENHECK	SE-1-10-428P	1 4 5
1	EF-6	TOILET	-	200	.25	1650	-	.78	-	120	1	60	DIRECT	5.2	20	10"DIA	GREENHECK	SE-1-10-428P	1 4 5
1	EF-7	ELECTRICAL	-	2600	.25	829	-	-	3/4	120	1	60	BELT	14.8	140	24"DIA	GREENHECK	SBE-1H24-3	2 5 6
1	EF-8	CA KIOSK	-	200	.25	1650	-	.78	-	120	1	60	DIRECT	5.2	20	10"DIA	GREENHECK	SE-1-10-428P	1 3 5
1	EF-9	UPS	-	200	.25	1650	-	.78	-	120	1	60	DIRECT	5.2	20	10"DIA	GREENHECK	SE-1-10-428P	1 3 5

EQUIVALENT EQUIPMENT BY COOK AND PENNBARRY ARE ACCEPTABLE.

NOTES:

- EXHAUST FAN TO BE PROVIDED WITH BACKDRAFT DAMPER, INTERNAL DISCONNECT, AND WALL COLLAR MOUNTING OPTION.
- CONTROLLED BY SPACE THERMOSTAT AND SPACE INTERFACE RELAY.
- PROVIDE CONTROL THROUGH ON-DUTY/OFF-DUTY SWITCH. EQUIPMENT CANNOT BE STARTED WHEN SWITCH IS TURNED TO OFF-DUTY DURING OCCUPIED MODE, SWITCH WILL BE TURNED TO ON-DUTY AND WINTER/SUMMER THERMOSTAT WILL MAINTAIN DESIRED TEMPERATURE.
- FAN TO BE CONTROLLED BY LIGHT SWITCH TO ENGAGE WHEN OCCUPIED.
- EXHAUST FANS TO BE PROVIDED WITH REMOVABLE WIRE MESH SCREEN TO PROTECT PERSONNEL.
- EXHAUST FAN TO BE PROVIDED WITH BACKDRAFT DAMPER, AND INTERNAL DISCONNECT.

VENTILATION SCHEDULE

ROOM NO.	ROOM NAME (PLAN)	ROOM PURPOSE (PER TABLE 403.3)	FLOOR AREA (SQ.FT.)	NATURAL LIGHT VENT		ORDINANCE REQUIREMENTS		ACTUAL PROVIDED		EQUIPMENT		REMARKS
				GLASS AREA	VENT AREA	MECHANICAL VENTILATION (CFM)		MECHANICAL VENTILATION (CFM)		TAG OF EQUIPMENT SUPPLYING AIR TO THE ROOM	TAG OF EQUIPMENT EXHAUSTING AIR FROM THE ROOM	
						SUPPLY AIR	(FROM RM) EXH. AIR	SUPPLY AIR	(FROM RM) EXH. AIR			
1	ELECTRICAL ROOM	INACTIVE STORAGE	205	-	-	0	0	-	2600	-	E-7	
2	COMM. ROOM	INACTIVE STORAGE	54	-	-	0	0	280	-	AC-1	-	
3	UPS	INACTIVE STORAGE	22	-	-	0	0	280	200	AC-2	E-9	
4	TOILET ROOM	TOILET	43	-	-	-	94	-	200	-	E-6	
5	JAN. CLOSET	JAN. CLOSET	26	-	-	-	52	-	200	-	E-5	
6	CA KIOSK	OFFICE	50	-	-	50	50	300	200	AC-3	E-8	
7	UNPAID	CORRIDOR	585	-	-	NR	NR	-	12,200	-	E-3, E-4	
8	PAID	CORRIDOR	1329	-	-	NR	NR	-	12,200	-	E-1, E-2	
9	ELEV. EQUIP	ELEV EQUIP	107	-	-	NR	NR	635	-	AC-4	-	

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ELECTRIC HEATING EQUIPMENT SCHEDULE

QTY.	TAG	TYPE	KW	BUT/HOUR	VOLTS	PHASE	AMPS	BLOW	CFM	WEIGHT (LBS)	SIZE (WxHxD)	MANUFACTURER	MODEL	REMARKS
4	H-1	WALL HEATER	3.0	10,239	208	1	14.4	HORIZ.	245	55	14 1/2 x 23 1/8 x 4 1/2	MARKEL	F3453T	NOTES 1,3
2	H-2	WALL HEATER	5.0	17,065	208	3	13.9	HORIZ.	245	55	14 1/2 x 23 1/8 x 4 1/2	MARKEL	J3455T	NOTES 1,2
1	H-3	WALL HEATER	3.0	10,239	208	1	14.4	HORIZ.	245	55	14 1/2 x 23 1/8 x 4 1/2	MARKEL	F3453T	NOTES 1,2
1	H-4	WALL HEATER	5.0	17,065	208	3	13.9	HORIZ.	245	55	14 1/2 x 23 1/8 x 4 1/2	MARKEL	J3455T	NOTES 1,3

NOTES:

- WALL HEATERS TO BE PROVIDED WITH BUILT-IN THERMOSTAT CONTROL AND DISCONNECT.
- WALL HEATER TO BE SURFACE MOUNTED IN ELEVATOR SHAFT, ELEVATOR EQUIP. ROOM & CA KIOSK.
- WALL HEATER TO BE RECESSED IN WALL. PROVIDE MOUNTING SLEEVE.

MECHANICAL ABBREVIATION LIST

AC	
ACD	AUTOMATIC CONTROL DAMPER
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET PER MINUTE
CU	CONDENSING UNIT
DN	DOWN
DS	DUCTLESS SPLIT SYSTEM
EF	EXHAUST FAN
EUH	ELECTRIC UNIT HEATER
EWB	ELECTRIC WALL HEATER
FD	FIRE DAMPER
FT	FEET
HORIZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR
IH	INFRARED HEATERS
KW	KILOWATT
L	LOUVER
LBS	POUNDS
MANUF	MANUFACTURER
NTS	NOT TO SCALE
OAI	OUTSIDE AIR INTAKE
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
SF	SUPPLY FAN
SQ.FT.	SQUARE FEET
TEMP	TEMPERATURE
SYM	SYMMETRIC
TYP	TYPICAL
VERT	VERTICAL
WH	WALL HEATER

MECHANICAL SYMBOL LIST

	ELECTRIC UNIT HEATER
	EXHAUST FAN
	MOTORIZED DAMPER
	DUCTWORK
	SWITCH
	THERMOSTAT

REFRIGERATION SCHEDULE

TAG	NO. OF COMPR.	COMPR. TONS	COMPR. HP	REF	WT. REF.	REMOTE	SELF CONTAINED	LOCATION	AIR COOLED	WATER COOLED	COOLING TOWER	GLYCOL CHILLER	SPECIAL
AC-1	0	0	0	R-410	-	YES	NO	COMM. RM. WALL	YES	NO	NO	NO	1 QUANT.
AC-2	0	0	0	R-410	-	YES	NO	UPS CLOS. WALL	YES	NO	NO	NO	1 QUANT.
AC-3	0	0	0	R-410	-	YES	NO	CA KIOSK WALL	YES	NO	NO	NO	1 QUANT.
AC-4	0	0	0	R-410	-	YES	NO	ELEV. EQUIP ROOM	YES	NO	NO	NO	1 QUANT.
CU-1	1	4	4	R-410	8.8 LBS.	YES	NO	BELOW STATION HOUSE ABOVE PLATFORM COVERING	YES	NO	NO	NO	1 QUANT.

- AC-1 EVAPORATOR TO BE DAIKEN AC MODEL FXAQ09PVJU, 208-230/1/60 POWER CONSUMPTION LESS THEN 2 AMPS. COOLING CAPACITY 9,500 BTU/H, 280 CFM. UNIT WEIGHT 26 LBS. CONTROLLER TO BE BRC2A71 SIMPLIFIED CONTROLLER.
- AC-2 EVAPORATOR TO BE DAIKEN AC MODEL FXAQ09PVJU, 208-230/1/60 POWER CONSUMPTION LESS THEN 2 AMPS. COOLING CAPACITY 9,500 BTU/H, 280 CFM. UNIT WEIGHT 26 LBS. CONTROLLER TO BE BRC2A71 SIMPLIFIED CONTROLLER.
- AC-3 EVAPORATOR TO BE DAIKEN AC MODEL FXAQ12PVJU, 208-230/1/60 POWER CONSUMPTION LESS THEN 2 AMPS. COOLING CAPACITY 12,000 BTU/H, 300 CFM. UNIT WEIGHT 26 LBS. CONTROLLER TO BE BRC2A71 SIMPLIFIED CONTROLLER.
- AC-4 EVAPORATOR TO BE DAIKEN AC MODEL FXAQ024PVJU, 208-230/1/60 POWER CONSUMPTION LESS THEN 4 AMPS. COOLING CAPACITY 24,000 BTU/H, 635 CFM. UNIT WEIGHT 31 LBS. CONTROLLER TO BE BRC2A71 SIMPLIFIED CONTROLLER.
- CU-1 CONDENSER TO BE DAIKEN AC VRV8-S-RXYMQ48PVJU, 208-230/1/60 MOCIP 30.0A, MCA 27.0A COMPRESSOR IS SCROLL TYPE WITH A COOLING CAPACITY OF 47,500 BTU/HR. SEER 15.10. CAN CONNECT UP TO 8 EVAPORATOR UNITS. TEMPERATURE OPERATING RANGE IS 23-115°F.
- EQUIVALENT EQUIPMENT AS MANUFACTURED BY TRANE OR CARRIER ARE ACCEPTABLE.

THIS IS A BUY USA (AMERICAN) PROJECT,
ALL EQUIPMENT TO BE MANUFACTURED IN THE USA



USER NAME = habib	DESIGNED -	REVISED -
	CHECKED -	REVISION A 12/18/2013
PLOT SCALE = 2:0 in / in.	DRAWN -	REVISED
PLOT DATE = 12/17/2013	CHECKED -	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEORIA STREET STATION
DETAILS, NOTES AND SYMBOL LIST

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2090	2013-011R	COOK	356	263
CONTRACT NO. 60W29				

SHEET NO. M-0020F 117 SHEETS

ILLINOIS FED. AID PROJECT