

GENERAL EXHAUST FAN SCHEDULE	
MARK	EF-1
SERVICE	RESTROOM
MANUFACTURER/MODEL (BASIS OF DESIGN)	GREENHECK/G080-D
LOCATION	ROOF
CFM	275
EXT S.P.	0.4
FAN RPM (APPROX.)	1550
MAX. BHP	0.06
MOTOR	
HP/WATTS	1/15
VOLT	120
PHASE	1
RPM	1550
ACCESSORIES	1 THRU 6
REMARKS	1, 2
<p>ACCESSORIES:</p> <ol style="list-style-type: none"> PREFAB INSULATED ROOF CURB (18" H) WITH WELDED SEAM. ALUMINUM BIRD SCREEN. GRAVITY BACK DRAFT DAMPER. INTERNAL VIBRATION ISOLATION. PREWIRED DISCONNECT. SOLID STATE SPEED CONTROLLER. IF CONTROLLER IS SHIPPED LOOSE, CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD INSTALLATION OF SPEED CONTROLLER AT ACCESSIBLE LOCATION. <p>REMARKS:</p> <ol style="list-style-type: none"> MAGNETIC STARTER/RELAY SHALL BE PROVIDED BY E.C. COORDINATE WITH EC FOR FAN OPERATION VIA LIGHT SWITCH IN RESTROOM OTHER ACCEPTABLE MANUFACTURERS: <ul style="list-style-type: none"> COOK PENN 	

ROOF VENTILATOR SCHEDULE	
MARK	IV-1
SERVICE	INTAKE (EXISTING DX SPLIT SYSTEM)
LOCATION	ROOF
MODEL/MANUF (BASIS OF DESIGN)	FABRA/GREENHECK
CFM	290
MAX S.P. (IN. W.G.)	0.05
THROAT	
SIZE (LxW)	12"x12"
VELOCITY (FPM)	290
HOOD	
SIZE (LxW)	24"x22"
VELOCITY (FPM)	100
DAMPER	BACKDRAFT
CURB	ALUMINUM
ACCESSORIES	1, 2, 3, 4
REMARKS	1, 2, 3
<p>ACCESSORIES:</p> <ol style="list-style-type: none"> ALUMINUM BIRD SCREEN. 12" TALL BASE. PREFABRICATED INSULATED ROOF CURB (18"-24" H). MAINTAIN MINIMUM 24" CLEARANCE BETWEEN FINISHED ROOF AND BOTTOM OF INTAKE. BACKDRAFT DAMPER. <p>REMARKS:</p> <ol style="list-style-type: none"> BAKED ENAMEL FINISH. COLOR AS SPECIFIED. BY ARCHITECT. ONE INCH FACTORY APPLIED INSULATION TO UNDERSIDE OF HOOD. OTHER ACCEPTABLE MANUFACTURERS: <ul style="list-style-type: none"> PENN CARNES 	

GENERAL NOTES (HEATING AND VENTILATION):

- SUPPLY AND RETURN DUCTS SHALL BE 20 GAUGE (FOR LONGEST SIDE L ≥ 30") AND 22 GAUGE (FOR L ≤ 30").
- SUPPLY AND RETURN DUCTS SHALL BE INTERNALLY LINED WITH 1" THICK/3.0 PCF ARMAFLEX AP COILFLEX CONFORMABLE ELASTOMERIC DUCT LINER OR EQUIVALENT.
- SHORT SECTIONS OF SUPPLY AND RETURN DUCT AT FULL SIZE OF ROOFTOP UNIT CONNECTION DIMENSION SHALL BE ROUTED INTO THE INTERIOR OF THE BUILDING FROM THE ROOFTOP UNIT TO AN ELEVATION OF 6" BELOW THE ROOF DECK. OPEN ENDS OF SUPPLY AND RETURN DUCTS SHALL BE TERMINATED WITH 1/2"x1/2" HARDWARE CLOTH/MESH.
- PROVIDE TWO YEAR WARRANTY (PARTS AND LABOR, INCLUDING HOISTING COST) FOR ALL NEW MECHANICAL SYSTEM EQUIPMENT AND DEVICES. PROVIDE ADDITIONAL THREE YEARS (PARTS ONLY) WARRANTY FOR REFRIGERATION COMPRESSORS. ALL OTHER EXTENDED WARRANTIES FROM EQUIPMENT MANUFACTURER'S SHALL ALSO REMAIN IN FORCE AND BE PASSED ONTO USING AGENCY.
- RTU CONDENSATE DRAIN PIPING SHALL BE CONSTRUCTED OF TYPE L OR K COPPER AND BE FULL SIZE OF RTU DRAIN CONNECTION.
- SUCTION LINE OF THE NEW HARD COPPER REFRIGERANT PIPING INSTALLED ON THE RELOCATED DX SPLIT SYSTEM AIR COOLED CONDENSING UNIT SHALL BE INSULATED WITH 3/4" ARMAFLEX. INSULATED PIPING EXPOSED ON THE ROOF TO AMBIENT CONDITIONS SHALL BE COATED WITH WEATHER RESISTANT ARMAFINISH PAINT AND HAVE .016" THICK ALUMINUM JACKETING.

SPECIAL NOTES:

- WARRANTY SHALL COMMENCE 6 MONTHS AFTER FACTORY SHIP DATE OR AT START-UP OF RTU, WHICHEVER IS EARLIER.
- START-UP OF RTU SHALL NOT BE INCLUDED UNDER THIS PROJECT. INTENT IS TO INCLUDE THIS ITEM DURING NEXT PHASE.
- TEST AND BALANCE FOR RTU SYSTEM SHALL NOT BE INCLUDED IN THIS PROJECT. INTENT IS TO INCLUDE THIS ITEM DURING NEXT PHASE.



USER NAME =	DESIGNED - JPD/ATK	REVISED	09/04/12 NEWLY ADDED SHEET
	DRAWN - HWH	REVISED	
PLOT SCALE =	CHECKED - JPD	REVISED	
PLOT DATE =	APPROVED - ATK	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF
TRANSPORTATION

EXHAUST FAN & VENTILATOR SCHEDULES

Scale SHEET NO. 11 OF 11 SHEETS Station From Station To

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2012-0451	WILL	11	0011E
			CONTRACT NO. 60V37	
		ILLINOIS GEO. AID PROJECT		