

ENERGY RECOVERY VENTILATOR SCHEDULE																								
ITEM#	AREA SERVED	OPERATING WEIGHT (LBS.)	FAN DATA								OUTDOOR AIR				INDOOR AIR				SUPPLY AIR				ELECTRICAL DATA	MODEL #
			SUPPLY				EXHAUST				HEATING		COOLING		HEATING		COOLING		HEATING		COOLING			
			C.F.M.	H.P.	S.P. (IN W.G.)	R.P.M.	C.F.M.	H.P.	S.P. (IN W.G.)	R.P.M.	°F db.	°F wb.	°F db.	°F wb.	°F db.	°F wb.	°F db.	°F wb.	°F db.	°F wb.	°F db.	°F wb.		
ERV-1	MEETING RM 304	1300	1,000	1/3	0.30	1,087	1,000	1/3	0.30	1,107	0.0	-1.5	45.0	78.0	70.0	-	75.0	63.0	54.2	48.3	78.0	65.3	208/1φ	GREENHECK ERCH-20M

- NOTES:
- UNIT MOUNTED ON ROOF.
 - PROVIDE WALL MOUNTED ON/OFF SWITCH WITH INDICATOR LIGHT.
 - PROVIDE REMOTE CONTROL PANEL.
 - PROVIDE DESSICANT TYPE WHEEL FOR TOTAL ENERGY RECOVERY.
 - PROVIDE 2" PLEATED FILTERS FOR OUTSIDE AND EXHAUST AIR.
 - PROVIDE INTAKE HOOD AND BIRDSGREEN.
 - PROVIDE ROOF CURB AND DUCT ADAPTER KIT.
 - UNIT SHALL HAVE BAKED ENAMEL FINISH WITH COLOR AS SELECTED BY THE ARCHITECT.
 - PROVIDE CONTROLS INTERFACE WITH BUILDING DDC SYSTEM.

INSULATION SCHEDULE							
SERVICE	FLUID TEMP. RANGE (°F)	CONDENSATION CONTROL	INSULATION TYPE	THICKNESS (IN.)	DENSITY (LB./CU. FT.)	K-FACTOR (BTU-IN./HR.-FT ² -°F)	RECOMMENDED MANUFACTURER
SUPPLY AIR DUCT	55-120	YES (NOTE 1)	FIBERGLASS DUCTWRAP	1½	0.75	0.21 @ 75°F MEAN	KNAUF
RETURN AIR DUCT	60-80	NO (NOTE 2)	FIBERGLASS DUCTWRAP	1½	0.75	0.21 @ 75°F MEAN	KNAUF
EXHAUST AIR DUCT	60-80	NO (NOTE 2)	FIBERGLASS DUCTWRAP	1½	0.75	0.21 @ 75°F MEAN	KNAUF
OUTSIDE (UNTEMPERED) AIR DUCT	0-45	YES	FIBERGLASS DUCTWRAP	1½	0.75	0.21 @ 75°F MEAN	KNAUF
DOMESTIC COLD WATER	50-60	YES	ONE PIECE MOLDED FIBERGLASS	1	-	0.23 @ 75°F MEAN	KNAUF
DOMESTIC HOT WATER	110-140	NO	ONE PIECE MOLDED FIBERGLASS	1	-	0.24 @ 120°F MEAN	KNAUF
AIR CONDITIONING CONDENSATE DRAIN	50-60	YES	ONE PIECE MOLDED FIBERGLASS	1	-	0.23 @ 75°F MEAN	KNAUF
REFRIGERANT SUCTION	30-55	YES	ARMAFLEX	½	-	-	ARMSTRONG

- NOTES:
- UNLESS OTHERWISE NOTED ON PLANS, DUCTWRAP IS NOT REQUIRED ON SUPPLY AIR DUCTWORK INSTALLED IN A RETURN AIR PLENUM WHERE THE SPACE ABOVE IS CONDITIONED.
 - UNLESS OTHERWISE NOTED ON PLANS, DUCTWRAP IS NOT REQUIRED ON RETURN AND EXHAUST AIR DUCTWORK INSTALLED IN CONDITIONED SPACE OR RETURN AIR PLENUMS.
 - PIPE INSULATION THICKNESS APPLIES TO PIPE SIZES UP TO 6" IN DIAMETER.

AIR DEVICE SCHEDULE							
ITEM#	AREA SERVED	FUNCTION	C.F.M.	SLOTS/WIDTH	FACE SIZE	NECK SIZE	MODEL#
D-1	THROUGHOUT	SUPPLY	AS NOTED	-	24"x24"	12"x12"	EXISTING OR TITUS TDC (NOTE 2)
D-2	THROUGHOUT	SUPPLY	AS NOTED	-	24"x24"	15"x15"	EXISTING OR TITUS TDC (NOTE 2)
D-3	THROUGHOUT	SUPPLY	AS NOTED	-	24"x24"	18"x18"	EXISTING OR TITUS TDC (NOTE 2)
R-1	THROUGHOUT	SUPPLY	AS NOTED	-	14"x12"	12"x10"	EXISTING
G-1	THROUGHOUT	RETURN	-	-	24"x24"	22"x22"	EXISTING OR TITUS 23RL (NOTE 1)
G-2	THROUGHOUT	RETURN	-	-	12"x12"	12"x12"	TITUS 23RL (NOTE 1)

- NOTES
- PROVIDE OPPOSED BLADE DAMPER.
 - DIFFUSERS SHALL BE 24"x24" LAY IN MODULE SIZE.
 - REFER TO SUPPLY AIR RUNOUT SIZES ON PLANS FOR APPROPRIATE ROUND NECK SIZES.
 - WHERE NEW DIFFUSERS ARE TO BE USED, PROVIDE WITH ROUND NECK.

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MECHANICAL SCHEDULES

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SCALE
AS SHOWN

DATE
6/14/02

DESIGNED BY
DJY

DRAWN BY
DJY

CHK. BY
MCM

PROJECT #
02020A

REVISIONS

AUTOCAD FILE:

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