	ENER	GY	RE	CC	VE	RY	UNIT	r sc	HED	ULE	<u> </u>		
MADIC	VENMAR	SUPPL	Y FAN	EXHS.	T. FAN	SUMM	ER EFF.	WINTE	R EFF.		ELECTF	RICAL	
MARK	VENMAR MODEL NUMBER	SUPPL CFM	Y FAN ESP	EXHS [*] CFM	T. FAN ESP	SUMMI SENS.	R EFF.	WINTE SENS.	R EFF.	VOLTS	ELECTF FLA		МОСР
MARK ERV-1	. =												MOCP

	SI	PLIT S	YSTEN	И НЕ	EAT	PUN	1P /	GA	S FU	IRNACE S	CHE	EDI	JLE	E (15	SE	ER 9	5%	AFI	JE)	1
		OUTDO	OR HEAT PUM	Р								INDOO	R GAS I	FURNACE						
MARK	TRANE MODEL NUMBER	COOLING (BTU/HR)	HEATING (BTU/HR)	MIN. SEER	MIN. HSPF	VOLTS	CTRICA MCA		MARK	TRANE MODEL NUMBER	FA CFM	N/MOTO		BTU	GAS HEAT AFUE	LAT	VOLTS		CTRICA MCA	
HP-1	XR15 : 4TWR5-042	42,000	42,000	15	9	240/1Ø	29	50	F-1	XR95: TUH1C080	1400	0.50	3/4	76,000	95	114°F	120/1Ø	13.5	16.9	20
HP-2	XR15 : 4TWR5-042	42,000	42,000	15	9	240/1Ø	29	50	F-1	XR95: TUH1C080	1400	0.50	3/4	76,000	95	114°F	120/1Ø	13.5	16.9	20

TG-1

MARK

FURNISH WITH WHITE FINISH.

4. THROW BASED ON 150-100-50 FPM VELOCITIES.

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. BUILD BOOT TO GRID SIZE. CUT EGGCRATE TO SIZE.

MANUFACTURER &

MODEL NO.

TITUS

TITUS

TITUS

TITUS

TITUS

TITUS

TMS

TMS

TMS

50F

350

MOUNTING SIZE

LAY-IN

LAY-IN

SIZE

LAY-IN 6" 24x24 100 <10 0.035

LAY-IN 8" 24x24 200 <10 0.036

WALL 10X10 10X10 150

10" 24x24 300 <10 0.037

BASIS OF DESIGN MANUFACTURER IS AS LISTED IN SCHEDULE. ADDITIONAL ACCEPTABLE MANUFACTURES FOR GRD'S ARE

GRILLES, REGISTERS & DIFFUSERS SCHEDULE

THROW

PATTERN

- EGGCRATE ALUMINUM

- EGGCRATE ALUMINUM

MATERIAL

4-WAY ALUMINUM

4-WAY ALUMINUM

4-WAY ALUMINUM WHT. ENAMEL

ALUMINUM

WHT. ENAMEL

WHT. ENAMEL

WHT. ENAMEL

WHT. ENAMEL N 1, 2

KRUEGER, TITUS, PRICE, OR EQUAL.

CFM NC

24x24 | 600 | <10 | 0.035 |

REMARK 3 | 100 | <10 | 0.035 |

. FURNISH WITH MATCHED INDOOR COIL. 2. FURNISH WITH 7-DAY PROGRAMMABLE THERMOSTAT. 3. FURNISH WITH CONCENTRIC FLUE KIT.

REMARKS

BASIS OF DESIGN MANUFACTURER IS <u>TRANE</u>. ADDITIONAL ACCEPTABLE MANUFACTURES ARE <u>CARRIER</u>, <u>LENNOX</u>, <u>YORK</u>, <u>TEMPSTAR</u>, <u>GOODMAN</u>.

•	BLOWER PERFORMANCE LISTED IN THE SUBMITTALS MUST BE BASED ON
	A WET COIL AND CLEAN EILTERS

- A WET COIL AND CLEAN FILTERS.

• HEAT PUMP COOLING CAPACITIES ARE BASED ON 80°/67° EAT AND 95° OA. HEAT PUMP HEATING CAPACITIES ARE BASED ON 70° EAT AND 47° OA. PERFORMANCE DATA BASED ON AHRI STANDARD 210/240 PERFORMANCE DATA BASED ON 60 FT REFRIGERANT LINE LENGTHS.

OUTDOOR INVERTER HEAT PUMP

9,000 12,000 23.0 11.0 - 240/1Ø 7.5 15 15

SHEET NOTES ①

BELOW GYPSUM BOARD CEILING.

(10) CONDENSATE TO FLOOR DRAIN.

WIRE TAPED TO FLEX ELECTRICAL CONDUIT.

FURNACES AND ENERGY RECOVERY UNIT.

OUTSIDE AIR TO THE ROOF, 13' FROM INTAKE.

COOLING CAPACITIES ARE BASED ON 80°F/67°F EAT AND 95°F OA.

PERFORMANCE DATA BASED ON 60 FT REFRIGERANT LINE LENGTHS.

PERFORMANCE DATA BASED ON AHRI STANDARD 210/240

(1) ENERGY RECOVERY UNIT TO BE INNERLOCKED WITH LIGHTS IN THIS ROOM AND WILL BE ON WHEN LIGHTS ARE ON, OFF, WHEN LIGHTS ARE OFF. MECHANICAL CONTRACTOR TO COORDINATE WITH ELECTRICAL

CONTRACTOR FOR INSTALLATION OF A UNIT MOUNTED RELAY FOR CONTROL

 \bigcirc PIPING SHALL BE 1 $\frac{1}{4}$ " PVC. TRANSITION TO 1" COPPER AT EXTERIOR OF BUILDING.

TAKE CONDENSATE FROM F-1 AND F-1 TO FLOOR DRAIN. USE 1 1/4 CU PIPE. (6) ALL DUCTWORK EXCEPT BATHROOM EXHAUST IS ABOVE LAY IN CEILING AND

BUILDING AT ¹/₈" PER FOOT. CHAMFER EDGES 45 DEGREES AT ³/₄". THERMOSTAT

PROVIDE DUCT MOUNTED SMOKE DETECTOR & WIRE TO SHUT DOWN BOTH

(3) CONDENSATE. DOWN IN WALL, TAKE TUBING TO GROUND.

MOUNT ERV ON UNISTRUT THAT IS ATTACHED TO CEILING JOISTS.

(7) UP TO GREENHECK 10" GRSF, WITH 12" CURB AND INSECT SCREEN.

(8) UP TO GREENHECK 10" GRS, WITH 12" CURB AND INSECT SCREEN. (9) 6" CONCRETE PAD ON 6" GRAVEL, EXP JOINT AT BUILDING, SLOPE FROM

OUTDOOR AIR CALCULATIONS

BASED ON 3,040 INTERIOR SQUARE FEET X .06 CFM PER SQUARE FEET (180 CFM) AND 5 CFM PER 24 PEOPLE (120 CFM) A 300 CFM ENERGY RECOVERY UNIT IS SELECTED TO TAKE OUTSIDE AIR FROM THE ROOF AND DISCHARGE

HVAC LEGEND

<u>DESCRIPTION</u>

SUPPLY AIR DUCTWORK; PLAN, UP AND DOWN

RETURN AIR DUCTWORK; PLAN, UP AND DOWN

TURNING VANE

@ 48" AFF

LOUVER

CONDENSATE

AIR FLOW DIRECTION

ROUND DUCT SIZE

EXHAUST FAN

RECTANGULAR DUCT SIZE

ABOVE FINISHED FLOOR

SHEET NOTE

> — —R L/S — — **→**

REMARKS

FLEXIBLE DUCTWORK

S-SUPPLY; R-RETURN; E-EXHAUST; CFM, CUBIC FEET PER MINUTE

MANUAL BALANCING DAMPER

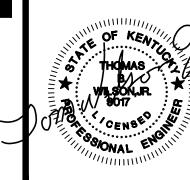
SUPPLY DIFFUSER W/ DAMPER & 3' TO 5' OF FLEXIBLE DUCT

RETURN OR EXHAUST DIFFUSER W/ 1' TO 3' OF FLEXIBLE DUCT

THERMOSTAT, MOUNT BOTTOM

REFRIGERANT LIQUID LINE/SUCTION

HEATING, VENT. & AIR CONDITIONING



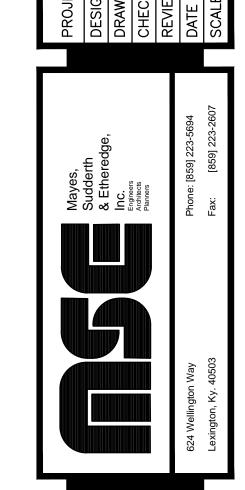
REMARKS

1, 2, 3, 4

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BY TBM			
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BY MCG	С соружент		
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DRAWING NO.

SHEET | OF |