

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE							
MARK	MODEL NO.	FACE	NECK	MOUNTING	MATERIAL	DAMPER	REMARKS
S1	ASDA	24 x 24	SEE DRAWING	LAY-IN	ALUMINUM	YES	-
S2	ARCD	SEE DRAWING	SEE DRAWING	DUCT	ALUMINUM	YES	-
S3	MSSG	SEE DRAWING	SEE DRAWING	SIDEWALL	STEEL	NO	1 2
R1	81	24 x 24	SEE DRAWING	LAY-IN	ALUMINUM	NO	-
R2	R35	20 x 18	20 x 18	SIDEWALL	ALUMINUM	NO	-
R3	MSBL	SEE DRAWING	SEE DRAWING	SIDEWALL	STEEL	NO	1 2
E1	R30	SEE DRAWING	SEE DRAWING	SURFACE	ALUMINUM	YES	-
E2	MSSL	SEE DRAWING	SEE DRAWING	SURFACE	STEEL	NO	1 2

BASIS OF DESIGN: PRICE

- FACTORY SUPPLIED 4-SIDED MOUNTING FRAME.
- FACTORY SUPPLIED SECURITY BARS.

ELECTRIC WALL HEATER SCHEDULE					
MARK	MODEL NO.	MOUNTING	KW	CFM	REMARKS
EW-1	AWH-400	SURFACE	2.0	100	1 2 3 4 5
EW-2	AWH-400	SURFACE	2.0	100	1 2 3 4 5

BASIS OF DESIGN: OMARK

- TAMPER PROOF THERMOSTAT.
- HEAVY DUTY CONSTRUCTION.
- INTEGRAL DISCONNECT.
- INTEGRAL FAN DELAY SWITCH.
- THERMAL OVER-LOAD PROTECTION.

RELIEF HOOD SCHEDULE					
MARK	MODEL	CFM	ESP IN WG	WEIGHT	REMARKS
RH-1	GRSR-42	1,000	0.01	100	1 2 3 4
RH-2	GRSR-42	700	0.01	100	1 2 3 4

SELECTIONS BASED ON: GREENHECK

- 16" HIGH INSULATED ROOF CURB.
- ANTI-CONDENSATE COATING.
- ALUMINUM BIRD SCREEN.
- PROVIDE SECURITY BARS IN RELIEF AIR OPENINGS.

POWERED INDUCTION UNIT SCHEDULE										
MARK	BASIS OF DESIGN TRANE	PRIMARY CFM	MINIMUM CFM	INLET SIZE IN.	MAX. VALVE PRESSURE DROP	FAN EXT. STATIC PRESSURE	FAN HP	FAN CFM	HEATING (KW)	REMARKS
PIU-1	VPEF10	1,025	250	10	0.10	0.5	1/2	775	10.0	1 2 3 4 5 7 8 9
PIU-2	VPEF10	1,025	250	10	0.10	0.5	1/2	775	10.0	1 2 3 4 5 7 8 9
PIU-3	VPEF08	650	175	8	0.10	0.5	1/8	475	6.0	1 2 3 4 5 7 8 9
PIU-4	VSEF06	250	75	5	0.10	0.5	1/8	175	2.5	1 2 3 4 5 7 8 9
PIU-5	VPEF08	700	175	8	0.10	0.5	1/3	525	6.5	1 2 3 4 5 7 8 9
PIU-6	VPEF05	350	100	5	0.10	0.5	1/8	250	3.0	1 2 3 4 5 7 8 9
PIU-7	VPEF12	1,025	400	12	0.10	0.5	1/2	1,025	13.0	1 2 3 4 5 7 8 9
PIU-8	VPEF10	1,400	350	10	0.10	0.5	1/2	1,025	10.0	1 2 3 4 5 7 8 9
PIU-9	VPEF12	1,600	400	12	0.10	0.5	1/2	1,025	13.0	1 2 3 4 5 7 8 9
PIU-10	VPEF06	200	50	5	0.10	0.5	1/8	150	2.0	1 2 3 4 5 7 8 9
PIU-11	VPEF08	700	175	8	0.10	0.5	1/3	525	6.5	1 2 3 4 5 7 8 9
PIU-12	VPEF08	600	150	8	0.10	0.5	1/3	450	5.5	1 2 3 4 5 7 8 9
PIU-13	VPEF06	450	125	6	0.10	0.5	1/3	325	4.5	1 2 3 4 5 7 8 9

BASIS OF DESIGN: DAIKEN

- 1" FOIL FACE INSULATED CABINET.
- FACTORY SUPPLIED DISCONNECT SWITCH.
- INTERFACE WITH EXISTING BAS.
- WALL MOUNTED TEMPERATURE SENSOR.
- SCR FAN MOTOR.
- WALL MOUNTED TEMPERATURE SENSORS WITH OPERA MODE DISPLAY, THUMB WHEEL AND OCCUPANT OVER-RIDE BUTTON.
- BOTTOM ACCESS.
- SCR MODULATING HEATING CONTROLS.
- PIU SHALL BE OWNER PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

MINI-SPLIT HEAT PUMP SCHEDULE					
MARK	INDOOR UNIT MODEL NO.	OUTDOOR UNIT MODEL NO.	TOTAL COOLING MBH	EFFICIENCY SEER	NOTES
MJUCCL	FT024TAVJU	R2K24TAVJU	24.0	17.6	1 2 3 4 5 6 7 8 9

BASIS OF DESIGN: DAIKEN

- DISCONNECT SWITCH PROVIDED UNDER DIVISION 26.
- INTERFACE WITH EXISTING BAS.
- HIGH SIDEWALL INDOOR UNIT.
- SUPPLY AIRFLOW CFM BASED ON HIGH SPEED AND DRY COIL.
- PROVIDE REMOTE WALL MOUNTED HARD-WIRED THERMOSTAT.
- PROVIDE CONDENSATE PUMP.
- PROVIDE LOW AMBIENT CONTROL.
- SPLIT SYSTEM SHALL BE OWNER PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
- INVERTER DRIVEN COMPRESSOR.

SINGLE ZONE ROOFTOP UNIT UNIT WITH ELECTRIC HEATING SCHEDULE														
MARK	TRANE MODEL NO.	SUPPLY CFM	OA CFM	SUPPLY FAN DATA			COOLING SECTION				ELECTRIC HEAT (KW) OUTPUT (KW)	WEIGHT (LBS.)	REMARKS	
				CFM	E.S.P. (IN WC)	MOTOR HP	EAT DB (°F)	EAT WB (°F)	TOTAL CAP (MBH)	SENS CAP (MBH)				EFF (SEER)
RTU-2	THD210	5,600	1,750	5,600	1.0	5.0	81.8	68.9	177.2	127.8	10.5	54.0	2,200	1 2 3 4 5 6 9 10 11 12 13 14 15 17
RTU-3	TSC048	1,300	275	1,300	1.0	1.0	83.6	66.1	45.0	39.3	12.0	18.0	750	1 2 3 4 5 7 8 9 12 14 17
RTU-4	TSC072	2,100	350	2,100	1.0	1.0	82.1	65.4	68.8	55.7	11.2	27.0	1,100	1 2 3 4 5 8 9 10 12 13 14 15 16 17
RTU-5	TSC036	1,000	225	1,000	1.0	0.75	83.1	66.1	33.7	29.8	12.0	12.0	750	1 2 3 4 5 7 8 9 12 14 17
RTU-6	TSC092	2,450	700	2,450	1.0	3.0	83.1	67.8	89.9	68.2	12.0	27.0	1,300	1 2 3 4 5 7 8 9 10 12 13 14 17

1. INSULATED CONSTRUCTION.  
2. FACTORY SUPPLIED DISCONNECT SWITCH.  
3. MERV 8 FILTERS.  
4. 14" HIGH INSULATED ROOF CURB.  
5. INTERFACE WITH EXISTING BAS.  
6. SINGLE ZONE VAV WITH VARIABLE FREQUENCY DRIVE.  
7. WALL MOUNTED THERMOSTAT.  
8. BAROMETRIC RELIEF DAMPER.  
9. FACTORY SUPPLIED CONVENIENCE OUTLET.  
10. SMOKE DETECTOR MOUNTED IN THE SUPPLY AIR DUCT.  
11. CO2 SENSOR MOUNTED IN RETURN AIR DUCTWORK.  
12. MODULATING MOTORIZED OUTSIDE AIR DAMPER.  
13. DUAL ENTHALPHY 100% ECONOMIZER CYCLE.  
14. PROVIDE SECURITY BARS IN SUPPLY AND RETURN AIR OPENINGS AT ROOF PENETRATION.  
15. WALL MOUNTED THERMOSTAT IN LOCKING COVER.  
16. CONNECT TO EMERGENCY GENERATOR.  
17. RTU SHALL BE OWNER PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

VAV ROOFTOP UNITS SCHEDULE															
MARK	TRANE MODEL NO.	SUPPLY CFM	OA CFM	SUPPLY FAN DATA			EXHAUST FAN DATA			COOLING SECTION				WEIGHT (LBS.)	REMARKS
				CFM	E.S.P. (IN WC)	MOTOR HP	CFM	E.S.P. (IN WC)	MOTOR HP	EAT DB (°F)	EAT WB (°F)	TOTAL CAP (MBH)	SENS CAP (MBH)		
RTU-1	TC0420	10,500	1,750	10,500	2.25	10.0	9,450	0.5	2 @ 1.0	81.9	65.2	355.6	25.0	5,000	1 2 3 4 5 6 7 8 9 10 11

1. INSULATED CONSTRUCTION.  
2. FACTORY SUPPLIED DISCONNECT SWITCH.  
3. MERV 8 FILTERS.  
4. 14" HIGH INSULATED ROOF CURB.  
5. INTERFACE WITH EXISTING BAS.  
6. VARIABLE FREQUENCY DRIVES, SUPPLY AND EXHAUST WITH FRESH AIR TRACKING.  
7. VARIABLE AIR VOLUME CONTROL.  
8. FACTORY SUPPLIED CONVENIENCE OUTLET.  
9. SMOKE DETECTOR MOUNTED IN THE SUPPLY AIR DUCT.  
10. PROVIDE SECURITY BARS IN SUPPLY AND RETURN AIR OPENINGS.  
11. RTU SHALL BE OWNER PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

EXHAUST FAN SCHEDULE									
MARK	MODEL NO.	CFM	APPROX. ESP IN WG	FAN RPM	MOTOR HP	MAX SONES	WEIGHT (LBS)	REMARKS	
EF-1	SP-8520	100	.375	757	128 W	2.5	25	1 2 3 4 6 8	
EF-2	SP-8520	100	.375	757	128 W	2.5	25	1 2 3 4 6 8	
EF-3	SP-A200	200	.375	940	1 W	2.5	30	1 2 3 4 8 10	
EF-4	SP-410	300	.375	1,000	121 W	3.5	40	1 2 3 4 8 9	
EF-5	SP-8520	100	.375	757	128 W	2.5	25	1 2 3 4 6 7 8	
EF-6	SP-8520	100	.375	757	128 W	2.5	25	1 2 3 4 6 7 8	
EF-7	SP-8520	100	.375	757	128 W	2.5	25	1 2 3 4 6 8	
EF-8	SP-410	300	.375	1,000	121 W	3.5	40	1 2 3 4 8 9	
EF-9	AE-12-433-A4	600	.375	1,750	1/4	14.5	100	5 11 12 13 14 15	
EF-10	AE-12-433-A4	700	.375	1,750	1/4	13.7	100	5 11 12 13 14 15	
EF-11	AE-14-438-A5	1,500	.375	1,750	1/2	18.4	100	9 11 12 13 14 15	
EF-12	CUE-70-VG	200	.375	1,640	1/15	5.0	100	5 12 13 15 16 17	
EF-13	CUE-70-VG	200	.375	1,640	1/15	5.0	100	5 12 13 15 16 17	
EF-14	SP-8520	100	.375	757	128 W	2.5	25	1 2 3 4 6 7 8	
EF-15	SP-A190	150	.375	1,395	44 W	1.5	25	1 2 3 4 8 9	
EF-16	G-070-VG	200	.375	1,93	1/15	5.0	25	5 8 11 12 13 15 18	
EF-17	SP-A190	150	.375	1,395	44 W	1.5	25	1 2 3 4 8 9	

BASIS OF DESIGN: GREENHECK

- MOTOR RATED SWITCH PROVIDE UNDER DIVISION ELECTRICAL.
- FACTORY SUPPLIED ALUMINUM GRILLE.
- FACTORY SUPPLIED ISOLATION KIT.
- INTEGRAL BACKDRAFT DAMPER.
- DCC CONTROL, INTERFACED WITH EXISTING BAS.
- WALL MOUNTED OCCUPANCY SENSOR.
- FACTORY SUPPLIED WALL CAP WITH BIRD SCREEN.
- FACTORY SUPPLIED SPEED CONTROLLER.
- WALL MOUNTED SWITCH WITH INDICATOR LIGHT.
- WALL MOUNTED SWITCH.
- FACTORY SUPPLIED 16" HIGH INSULATED ROOF CURB.
- FACTORY SUPPLIED DISCONNECT SWITCH.
- ALUMINUM BIRD SCREEN.
- FACTORY SUPPLIED MOTORIZED DAMPER.
- PROVIDE SECURITY BARS IN EXHAUST AIR OPENINGS.
- U.L. LISTED 5655 MOTORIZED DAMPER CONNECTED TO EMERGENCY GENERATOR.
- U.L. LISTED 5655 MOTORIZED DAMPER CONNECTED TO EMERGENCY GENERATOR.
- SIDEWALL MOUNTED ON SIDE OF SMOKE EXHAUST FAN CURB.
- RUN CONTINUOUSLY.

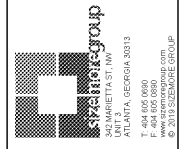
SMOKE EXHAUST FAN SCHEDULE									
MARK	MODEL NO.	CFM	APPROX. ESP IN WG	FAN RPM	MOTOR HP	MAX SONES	WEIGHT (LBS)	REMARKS	
SEF-1	CUBE-101-4	860	.50	1,366	0.25	10	125	1 2 3 4 5 6 7 8	
SEF-2	CUBE-101-4	650	.50	1,213	0.25	10	125	1 2 3 4 5 6 7 8	

BASIS OF DESIGN: GREENHECK

- INTERFACE WITH BAS FOR MONITORING, FAN CONTROL BY FIRE ALARM PANEL.
- FACTORY SUPPLIED DISCONNECT SWITCH.
- ALUMINUM BIRD SCREEN.
- FAN DELAY START TO ALLOW MOTORIZED DAMPER TO FULLY OPEN.
- U.L. LISTED 716 FOR SMOKE CONTROL.
- MOUNT ON 36" HIGH INSULATED ROOF CURB WITH CURB ADAPTER.
- U.L. LISTED 5655 MOTORIZED DAMPER CONNECTED TO EMERGENCY GENERATOR.
- PROVIDE SECURITY BARS IN ROOF OPENING.
- CONNECT FAN TO EMERGENCY GENERATOR.

DATE	
DESCRIPTION	
No.	

CITY OF MONROE  
PUBLIC SAFETY & MUNICIPAL  
COURT COMPLEX RENOVATION  
140 BLAINE ST. MONROE, GA 30655



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MECHANICAL SCHEDULES

PROJECT # 19160MONRpo  
DATE: Issue Date  
DRAWN BY: KM  
CHECKED BY: AW

M500

SCALE: NTS

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