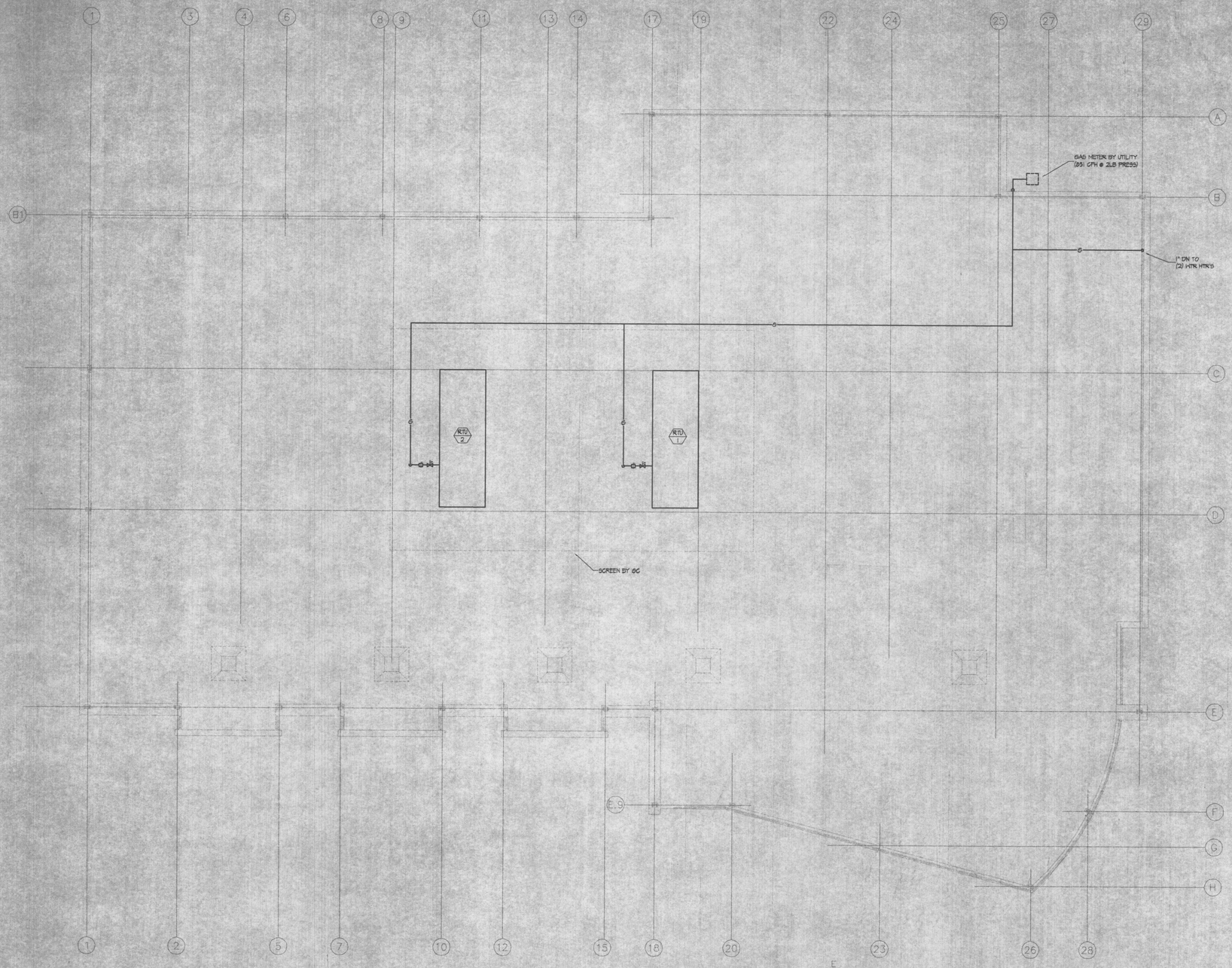


EXHAUST FAN SCHEDULE

PLAN MARK	MANUF. & MODEL NUMBER	TYPE	CFM	SP	HP	RPM	VOLT/PH	WEIGHT	NOTES
EF-1	COOK - ACED-70015H	ROOF MTD	150	0.25"	46W	1550	120/1	20	1,2,3,4,5,6
EF-2	COOK - ACED-70015H	ROOF MTD	150	0.25"	46W	1550	120/1	20	1,2,3,4,5,6
EF-3	COOK - ACEB-100C2B	ROOF MTD	280	0.25"	1/6	958	120/1	30	1,2,3,4,5,6
EF-4	COOK - ACED-70015H	ROOF MTD	150	0.25"	46W	1550	120/1	20	1,2,3,4,5,6
EF-5	COOK - ACEB-100C2B	ROOF MTD	1300	0.51"	1/6	1175	120/1	30	1,2,3,4,5,6
EF-6	COOK - ACED-70015DL	ROOF MTD	80	0.37"	86W	1700	120/1	20	1,2,3,4,5,6
EF-7	COOK - ACEB-100C2B	ROOF MTD	400	0.3"	1/6	1200	120/1	30	1,2,3,4,5,6
EF-8	COOK - ACEB-100C2B	ROOF MTD	1300	0.51"	1/6	1175	120/1	30	1,2,3,4,5,7
EF-9	COOK - ACEB-100C2B	ROOF MTD	375	0.5"	1/6	1200	120/1	30	1,2,3,4,5,6
EF-10	COOK - ACEB-100C2B	ROOF MTD	600	0.51"	1/6	1345	120/1	30	1,2,3,4,5,6

NOTES:
1.) GRAVITY BD DAMPER
2.) DISCONNECT SWITCH
3.) BIRD SCREEN
4.) 12" HIGH PREFAB CURB
5.) ROOF CENTRIFUGAL
6.) FAN TO RUN CONTINUOUSLY CONTROLLED FROM BREAKER PANEL. (TAG BKR PANEL)
7.) FAN TO BE THERMOSTATICALLY CONTROLLED.

ELECTRIC HEATER SCHEDULE

PLAN MARK	MANUF.	MODEL NUMBER	KW	VOLTS/PH/MCA	FAN HP	TYPE	NOTES
EUH-1&2	QMARK	QMHO-4	10	480/3/12	1/30	UNIT HEATER	-
EXH-1	QMARK	QXH	5	277/1/-	-	WALL HEATER	-
ECUH-1	QMARK	CUC-REF-1500B	5	480/3/8	1/30	CAB UN. HEATER	1,2,6

NOTES:
1.) BUILT-IN THERMOSTAT (TAMPERPROOF)
2.) REMOTE THERMOSTAT (TAMPERPROOF)
3.) BUILT-IN DISCONNECT SWITCH
4.) UNIVERSAL MOUNTING BRACKET
5.) RECESSED KIT WITH WALL TRIM
6.) CEILING MOUNTED (RECESSED)

VARIABLE VOLUME BOX SCHEDULE

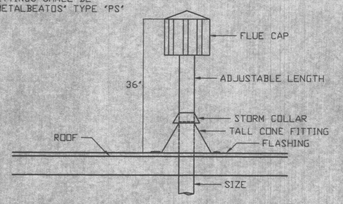
PLAN MARK	MANUF. & MODEL NUMBER	BOX SIZE	CFM MIN/MAX	INLET SIZE	DISCHRG SIZE	REHEAT COIL DATA					TYPE CONTROL
						KW	EAT	LAT	STEPS	VOLTS/PH	
VAV-1	TRANE - VCEE	24	-/1650	12"ø	26"x15"	15	55°	-	2	480/3	DDC
VAV-2	TRANE - VCEE	17	-/1300	10"ø	20"x14"	12	55°	-	2	480/3	DDC
VAV-3	TRANE - VCEE	6	-/400	6"ø	12"x8"	4	55°	-	2	480/3	DDC
VAV-4	TRANE - VCEE	17	-/1200	10"ø	20"x14"	12	55°	-	2	480/3	DDC
VAV-5	TRANE - VCEE	17	-/1200	10"ø	20"x14"	3	55°	-	2	480/3	DDC
VAV-6	TRANE - VCEE	11	-/700	8"ø	14"x10"	6	55°	-	2	480/3	DDC
VAV-7	TRANE - VCEE	11	-/800	8"ø	14"x10"	7.5	55°	-	2	480/3	DDC
VAV-8	TRANE - VCEE	17	-/1400	10"ø	20"x14"	8	55°	-	2	480/3	DDC
VAV-9	TRANE - VCEE	17	-/1500	10"ø	20"x14"	14	55°	-	2	480/3	DDC
VAV-10	TRANE - VCEE	17	-/1150	10"ø	20"x14"	10	55°	-	2	480/3	DDC
VAV-11	TRANE - VCEE	6	-/500	6"ø	12"x8"	5	55°	-	2	480/3	DDC
VAV-12	TRANE - VCEE	24	-/1800	12"ø	26"x15"	16	55°	-	2	480/3	DDC
VAV-13	TRANE - VCEE	11	-/550	8"ø	14"x10"	5	55°	-	2	480/3	DDC
VAV-14	TRANE - VCEE	6	-/400	6"ø	12"x8"	4	55°	-	2	480/3	DDC
VAV-15	TRANE - VCEE	24	-/2300	12"ø	26"x15"	20	55°	-	2	480/3	DDC
VAV-16	TRANE - VCEE	24	-/2800	12"ø	26"x15"	20	55°	-	2	480/3	DDC
VAV-17	TRANE - VCEE	11	-/700	8"ø	14"x10"	6	55°	-	2	480/3	DDC
VAV-18	TRANE - VCEE	24	-/1700	12"ø	26"x15"	15	55°	-	2	480/3	DDC
VAV-19	TRANE - VCEE	11	-/800	8"ø	14"x10"	7.5	55°	-	2	480/3	DDC
VAV-20	TRANE - VCEE	24	-/1400	10"ø	20"x14"	15	55°	-	2	480/3	DDC
VAV-21	TRANE - VCEE	24	-/2800	12"ø	26"x15"	20	55°	-	2	480/3	DDC
VAV-22	TRANE - VCEE	11	-/800	8"ø	14"x10"	6	55°	-	2	480/3	DDC
VAV-23	TRANE - VCEE	17	-/1400	10"ø	20"x14"	15	55°	-	2	480/3	DDC
VAV-24	TRANE - VCEE	11	-/850	8"ø	14"x10"	7.5	55°	-	2	480/3	DDC

GRILLE & DIFFUSER SCHEDULE

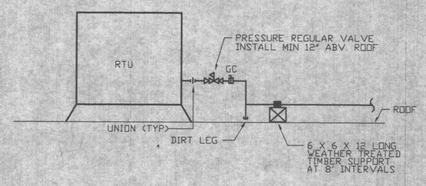
PLAN MARK	MANUF. & MODEL NO.	MODULE SIZE	NECK SIZE	FRAME	FINNISH	MATL	NOTES
S1	TITUS - PAS-AA	24"x24"	SURF. PLAN	T-BAR	#26	ALUM	1
S2	TITUS - PAS-AA	24"x24"	SURF. PLAN	DW	#26	ALUM	1
S3	TITUS - TBD-80	(2) 1 1/2" SLOTS	8"ø	T-BAR	#02	STL	4
S4	TITUS - TBD-80	(4) 1 1/2" SLOTS	10"ø	T-BAR	#02	STL	5
S5	TITUS - TBD-80	(4) 1 1/2" SLOTS	10"ø	T-BAR	#02	STL	5
S6	TITUS - TBD-80	(4) 1 1/2" SLOTS	12"ø	DW	#02	STL	4
S7	TITUS - TBD-80	(1) 1 1/2" SLOTS	6"ø	T-BAR	#02	STL	5
R1	TITUS - PAR-AA	24"x24"	22"x22"	T-BAR	#26	ALUM	1
R2	TITUS - PAR-AA	24"x24"	22"x22"	DW	#26	ALUM	1
R3	TITUS - 350FL	16"x16"	16"x16"	DW	#26	ALUM	2
E1	TITUS - PAR-AA	24"x24"	SURF. PLAN	T-BAR	#26	ALUM	1
E2	TITUS - 350FL	24"x24"	6"x6"	SURF.	#26	ALUM	2

NOTES:
1. PERFORATED FACE
2. LOUVERED FACE
3. OB DAMPER
4. 48" LONG W/ INSULATED PLENUM & T-BARS
5. 24" LONG W/ INSULATED PLENUM & T-BARS

NOTE: ALL FLUE PIPE AND FITTINGS SHALL BE "METALBEATOS" TYPE "PS"



FLUE DETAIL
N.T.S.



RTU GAS PIPING DETAIL

ROOF TOP UNIT SCHEDULE

PLAN MARK	MANUF. & MODEL NUMBER	NOM. TONS	SA CFM	OA CFM	TOTAL SP	FAN HP		DX COIL DATA				AMB	GAS HEAT CAP.		VOLTS/PH/MCA	WEIGHT	NOTES
						SUP	RET	SEN MBH	TOT MBH	EDB/EWB	LDB/LWB		INPUT	OUTPUT			
RTU-1	TRANE - 5TWC6304	30	12,000	1250	2.5"	15	5	258.0	352.0	80°/67°	55.6°/54.0°	95°	350 MBH	-	480/3/MT	6500 LBS	ALL
RTU-2	TRANE - 5TWC6304	30	12,000	1250	2.5"	15	5	258.0	352.0	80°/67°	55.6°/54.0°	95°	350 MBH	-	480/3/MT	6500 LBS	ALL

ALL UNITS INCLUDE:
1.) 100% EXHAUST - 5 HP WITH STATITRAC SPACE PRESSURE CONTROL
2.) HIGH-EFFICIENCY THROWAWAY FILTERS
3.) 15 HP - SUPPLY MOTOR
4.) 0-100% ECONOMIZER
5.) 2.00" [51 MM] SPRING ISOLATORS - SUPPLY AND EXHAUST FANS
6.) VAV SUPPLY AIR TEMPERATURE CONTROL WITH VARIABLE FREQUENCY DRIVE
7.) STANDARD AMBIENT CONTROL
8.) UL APPROVAL
9.) HIGH-EFFICIENCY MOTORS (SUPPLY AND EXHAUST)
10.) DOUBLE WALL, HINGED ACCESS DOORS
11.) TRANE COMMUNICATION INTERFACE MODULE
12.) FLAT ROOF CURB (FLD)

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STATE OF MISSOURI
JOHN R. SCHNEIDER
NUMBER E-14451
REGISTERED PROFESSIONAL ENGINEER

BJC O'FALLON
FAMILY HEALTH CENTER
O'FALLON, MISSOURI

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