

**ROOF TOP UNIT SCHEDULE**

UNIT DESIGNATION	RTU-1
TYPE	MODULAR
SERVICE	SEE PLANS
ACCESSORIES	---
ROOF CURB	YES - 36" TALL
MIXING BOX	YES
FILTERS	SEE FILTER SCHEDULE
CASING	DOUBLE WALL
ECONOMIZER	NO
MOTOR STARTER	YES
SUPPLY FAN	---
TOTAL C.F.M.	14,425
O.A. MINIMUM	4.0
INTERNAL S.P.	4.0
EXTERNAL S.P.	2.5
TOTAL S.P.	6.5
H.P.	20.0
VOLTAGE	208/3/60
RETURN FAN	---
CFM	---
S.P.	---
HP	---
VOLTAGE	---
COOLING COIL	---
TOT/SENS CAP. (MBH)	1095.7/541.3
MAX. FACE VEL.	500
E.A.D.B./E.A.W.B.	84.1/73.6
L.A.D.B./L.A.W.B.	48.0/47.9
E.W.T./L.W.T.	42.0/54.0
G.P.M.	181.6
MAX. WTR. P.D. (H <sub>2</sub> O)	14.5
MAX. AIR P.D. (H <sub>2</sub> O)	1.11
RONS/FINS PER FOOT	8/103
MANUFACTURER	TRANE
MODEL #/WEIGHT (LBS)	TSC030
1. PROVIDE WITH SINGLE POINT POWER CONNECTION	

**AIR COOLED CHILLER SCHED.**

UNIT DESIGNATION	ACC-1
TYPE	MODULAR
SERVICE	CHILLED WATER
COOLING CAP. - NOM./ACTUAL	100/93.4
O.A.D.B.	95°F
MIN OPERATING TEMP.	0°F
FILTERS	---
CASING	182
ECONOMIZER	---
E.W.T.	54
L.W.T.	42
FOULING FACTOR	0.0010
MAX. P.D. FT. H <sub>2</sub> O	12.0
COMPRESSOR	---
VOLTAGE	208/3/60
BLA/LRA	4891/506
CONDENSER FAN	---
TOTAL POWER K.W.	---
UNIT	208/3/60
POWER	---
M.C.A.	475
M.C.P.	500
ACCESSORIES	---
HEAD PRESS. CONTROL	YES
STARTER TYPE	WYE-DELTA
POWER CONNECTION	SINGLE POINT CONNECTION
MANUFACTURER	TRANE
MODEL #	CGAM00P2
WEIGHT	7402
1. PROVIDE MINIMUM 150 GALLON CHILLED WATER STORAGE TANK INTEGRAL TO UNIT SKID.	

**FILTER SCHEDULE**

UNIT DESIGNATION	F-1	F-2	F-3
TYPE	PRE	FINAL	ULTRA-SORB LV
SERVICE	RTU-1	RTU-1	RTU-1
C.F.M.	14425	14425	50-27
INITIAL RESISTANCE (H <sub>2</sub> O)	0.1	0.3	208/3/60
FINAL RESISTANCE (H <sub>2</sub> O)	0.5	1.0	---
MAX. FACE VELOCITY	500	500	MODULATING
EFFICIENCY	30%	90%	DOC
TEST METHOD	ASHRAE	ASHRAE	DRI-STEEM
APPROX. DIMENSIONS	SEE UNIT CASING	SEE UNIT CASING	VLC 18-2
MANUFACTURER	AAF	AAF	PROVIDE AFTER-COOLER FOR STEAM GENERATOR DRAIN
MODEL #	AM-AIR 300X	VARICEL	---
1. PROVIDE AND INSTALL FILTER DIFFERENTIAL PRESSURE GAUGE			

**HUMIDIFIER SCHEDULE**

UNIT DESIGNATION	H-1
TYPE	ULTRA-SORB LV
SERVICE	RTU-1
CAPACITY #/HR.	50-27
VOLTAGE	208/3/60
AMPS	---
STAGES	MODULATING
CONTROL	DOC
MANUFACTURER	DRI-STEEM
MODEL #	VLC 18-2
PROVIDE AFTER-COOLER FOR STEAM GENERATOR DRAIN	

**ELEC. UNIT HEATER SCHEDULE**

UNIT DESIGNATION	EH-3
TYPE	WALL MOUNTED
SERVICE	MECH ROOM
CAPACITY M.B.H.	17.1
K.W.	5.0
VOLTAGE	208-3-60
BLOWER	---
TYPE	BLADE
C.F.M.	400
H.P.	FRACTIONAL
VOLTAGE	208-3-60
CONTROL VOLTAGE	24
ACCESSORIES	---
SPACE THERMOSTAT	YES
TRANSFORMER	YES
MANUFACTURER	MARREL
MODEL #	FZ5105N

**PUMP SCHEDULE**

UNIT DESIGNATION	CHWP-1 & CHWP-2
TYPE	IN-LINE WITHIN CHILLER
SERVICE	CHILLED WATER
G.P.M.	182
T.D.H. (H <sub>2</sub> O)	25'
MOTOR	TEFC
TYPE	---
H.P.	1750
R.P.M.	208/3/60
VOLTAGE	208/3/60
MANUFACTURER	BY CHILLER MFR
MODEL #	---

**CONTROL LEGEND**

SYMBOL	DESCRIPTION
□	CONTACT OR RELAY N.O./N.C.
□	DIGITAL INPUT
△	ANALOG INPUT
○	ANALOG OUTPUT
□	DAMPERS AND MOTOR
F.A.	FIRE ALARM
O.L.	OVER LOAD
⊖	STARTER CONTACTOR WITH OVER LOADS
⊖	SWITCH
□	STATIC PRESSURE SENSOR
□	SMOKE DETECTOR
□	TEMPERATURE SENSOR
□	HUMIDITY SENSOR

**GENERAL MECHANICAL LEGEND**

SYMBOL	DESCRIPTION
---	SUPPLY DUCTWORK
---	RETURN DUCTWORK
---	EXHAUST DUCTWORK
---	OUTSIDE AIR DUCTWORK
(F)	FIRE DAMPER
(S)	SMOKE DAMPER
(Z)	COMBINATION FIRE & SMOKE DAMPER
⊖	SUPPLY AIR DIFFUSER
⊖	RETURN OR EXHAUST AIR REGISTER
⊖	DAMPER
⊖	MANUAL VOLUME DAMPER (M.V.D.)
⊖	MOTORIZED VOLUME DAMPER
S.D.	SMOKE DETECTOR
8"Ø	8"Ø NECK SUPPLY AIR DIFFUSER @ 200 C.F.M.
8"Ø	8"Ø RETURN AIR REGISTER @ 150 C.F.M.
6"Ø	6"Ø EXHAUST AIR REGISTER @ 100 C.F.M.
6"Ø	6"Ø EXHAUST AIR REGISTER @ 100 C.F.M.
---	DUCT TURNED DOWN
---	CHILLED WATER SUPPLY
---	CHILLED WATER RETURN
---	CHECK VALVE
---	UNION
---	BUTTERFLY OR BALL VALVE
---	GATE VALVE
---	O.S.B.V. GATE VALVE
---	CONTROL VALVE - TWO WAY
---	CONTROL VALVE - THREE WAY
---	SPACE THERMOSTAT MOUNTING HEIGHT PER ADA (48" AFF)
---	SPACE T-STAT W/BLANK COVER MFG. HIT. PER ADA (48" AFF)
---	SPACE HUMIDISTAT
---	SUPPLY DUCT DOWN - SEE PLANS
---	SUPPLY DUCT THRU SLAB OR ROOF - SEE PLANS
---	RETURN OR EXHAUST DUCT THRU SLAB OR ROOF - SEE PLANS
---	RETURN OR EXHAUST DUCT DOWN - SEE PLANS
---	ACCESS DOOR
A.D.	DUCTWORK RISE IN DIRECTION INDICATED
D	DUCTWORK DROP IN DIRECTION INDICATED

**CONSTANT VOLUME UNIT SCHEDULE**

UNIT DESIGNATION	CV-1	CV-2	CV-3	CV-4	CV-5	CV-6	CV-7	CV-8	CV-9	CV-10
TYPE	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT
SERVICE	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS
BOX	---	---	---	---	---	---	---	---	---	---
C.F.M.	200	1000	1400	250	250	1300	400	1225	800	1500
(BOX ONLY) MAX. AIR P.D. (H <sub>2</sub> O)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
HEATING COIL	---	---	---	---	---	---	---	---	---	---
K.W.	2.5	13.0	18.0	3.0	3.0	16.5	5.0	16.0	10.0	20.0
VOLTAGE	208-3-60	208-3-60	208-3-60	208-3-60	208-3-60	208-3-60	208-3-60	208-3-60	208-3-60	208-3-60
M.B.H.	8.53	44.3	61.4	10.2	10.2	56.3	17.0	54.6	34.1	68.2
STAGES	1	3	SCR	1	1	SC	2	3	3	SCR
E.A.T./L.A.T.	50/89	50/91.1	50/90.6	50/87.9	50/87.9	50/90.1	50/89.5	50/91.3	50/89.5	50/92.1
MAX. N.C.	30	30	30	30	30	30	30	30	30	30
MANUFACTURER	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE
MODEL #	---	---	---	---	---	---	---	---	---	---
* @ MAX. CFM										
1. PROVIDE STERILE LINER FOR EACH CONSTANT VOLUME BOX										

**EXHAUST FAN SCHEDULE**

UNIT DESIGNATION	EF-2	EF-3	EF-4
TYPE	ROOF CENT.	IN LINE	IN LINE
SERVICE	GENERAL EXHAUST	ELEC.	MED GAS STOR.
C.F.M.	2050	400	200
STATIC PRESSURE	.75	0.250	0.250
SONES	13.8	1.3	3.5
H.P.	1/2	FACTIONAL	FACTIONAL
VOLTAGE	208-3-60	120-1-60	120-1-60
ACCESSORIES	---	---	---
DAMPER TYPE	BACKDRAFT	BACKDRAFT	BACKDRAFT
SCREEN TYPE	ALUMINUM BIRD	ALUMINUM BIRD	ALUMINUM BIRD
MOTOR WITH INTERNAL OVERLOAD	YES	YES	YES
S.S.S. CONTROLLER	NO	YES	YES
ROOF CURB	YES	NO	NO
MANUFACTURER	COOK	COOK	COOK
MODEL #	150 ACEB	OH-640	OH-182

**DX SPLIT SYSTEM WITH ELECTRIC HEAT**

UNIT DESIGNATION	AC-4	AC-5	AC-6
TYPE	HDRZ	WALL MTD.	WALL MTD.
SERVICE	SEE PLAN	SEE PLAN	SEE PLAN
ACCESSORIES	---	---	---
FILTERS	2" T.A.	2" TA	2" TA
OTHER	---	---	---
FAN	---	---	---
TOTAL C.F.M.	1300	850	1100
O.A. MINIMUM	350	250	300
EXTERNAL S.P.	0.4	0.4	0.4
H.P.	1/3	1/3	1/3
VOLTAGE	208/2/60	208/2/60	208/2/60
COOLING COIL	---	---	---
TOT/SENS CAP. (MBH)	---	---	---
E.A.D.B./E.A.W.B.	80/67	80/67	80/67
L.A.D.B./L.A.W.B.	---	---	---
MIN. E.E.R.	12.0	12.0	12.0
HEATING COIL	---	---	---
HEATING CAP. M.B.H.	39.3	24.6	39.3
K.W.	11.53	7.2	11.53
STAGES	2	2	2
VOLTAGE	208/2/60	208/2/60	208/2/60
MIN. E.E.R.	---	---	---
MODEL #	BAVTR3410	BAVTR3410	BAVTR3415
COMBENSING UNIT	---	---	---
TYPE	ROOF MTD.	ROOF MTD.	ROOF MTD.
O.A.D.B.	105	105	105
VOLTAGE	208/2/60	208/2/60	208/2/60
COMPRESSOR R.L.A.	11.5	10.0	11.5
CONDENSER FAN F.L.A.	0.7	0.5	0.7
UNIT M.C.A./M.D.C.P.	15/25	14/25	15/25
MODEL NO.	4TTA036	4TTA024	4TTA036
MANUFACTURER	TRANE	TRANE	TRANE

**CONSTANT VOLUME UNIT SCHEDULE**

UNIT DESIGNATION	CV-11	CV-12	CV-13	CV-14	CV-15	CV-16	CV-17
TYPE	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT	PRESSURE INDEPENDENT
SERVICE	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS
BOX	---	---	---	---	---	---	---
C.F.M.	1500	1500	1500	500	300	300	550
(BOX ONLY) MAX. AIR P.D. (H <sub>2</sub> O)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
HEATING COIL	---	---	---	---	---	---	---
K.W.	20.0	20.0	20.0	6.5	4.0	4.0	7.0
VOLTAGE	208-3-60	208-3-60	208-3-60	208-3-60	208-3-60	208-3-60	208-3-60
M.B.H.	68.2	68.2	68.2	22.2	13.6	13.6	23.9
STAGES	SCR	SCR	SCR	2	1	1	2
E.A.T./L.A.T.	50/92.1	50/92.1	50/92.1	50/91.1	50/92.1	50/92.1	50/90.2
MAX. N.C.	30	30	30	30	30	30	30
MANUFACTURER	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE
MODEL #	---	---	---	---	---	---	---
* @ MAX. CFM							
1. PROVIDE STERILE LINER FOR EACH CONSTANT VOLUME BOX							

**EXHAUST FAN SCHEDULE**

UNIT DESIGNATION	EF-2	EF-3	EF-4
TYPE	ROOF CENT.	IN LINE	IN LINE
SERVICE	GENERAL EXHAUST	ELEC.	MED GAS STOR.
C.F.M.	2050	400	200
STATIC PRESSURE	.75	0.250	0.250
SONES	13.8	1.3	3.5
H.P.	1/2	FACTIONAL	FACTIONAL
VOLTAGE	208-3-60	120-1-60	120-1-60
ACCESSORIES	---	---	---
DAMPER TYPE	BACKDRAFT	BACKDRAFT	BACKDRAFT
SCREEN TYPE	ALUMINUM BIRD	ALUMINUM BIRD	ALUMINUM BIRD
MOTOR WITH INTERNAL OVERLOAD	YES	YES	YES
S.S.S. CONTROLLER	NO	YES	YES
ROOF CURB	YES	NO	NO
MANUFACTURER	COOK	COOK	COOK
MODEL #	150 ACEB	OH-640	OH-182

**DX SPLIT SYSTEM WITH ELECTRIC HEAT**

UNIT DESIGNATION	AC-4	AC-5	AC-6
TYPE	HDRZ	WALL MTD.	WALL MTD.
SERVICE	SEE PLAN	SEE PLAN	SEE PLAN
ACCESSORIES	---	---	---
FILTERS	2" T.A.	2" TA	2" TA
OTHER	---	---	---
FAN	---	---	---
TOTAL C.F.M.	1300	850	1100
O.A. MINIMUM	350	250	300
EXTERNAL S.P.	0.4	0.4	0.4
H.P.	1/3	1/3	1/3
VOLTAGE	208/2/60	208/2/60	208/2/60
COOLING COIL	---	---	---
TOT/SENS CAP. (MBH)	---	---	---
E.A.D.B./E.A.W.B.	80/67	80/67	80/67
L.A.D.B./L.A.W.B.	---	---	---
MIN. E.E.R.	12.0	12.0	12.0
HEATING COIL	---	---	---
HEATING CAP. M.B.H.	39.3	24.6	39.3
K.W.	11.53	7.2	11.53
STAGES	2	2	2
VOLTAGE	208/2/60	208/2/60</	