

PLUMBING FIXTURE CONNECTION SCHEDULE

TAG	FLOOR FIN'D FV IC	3" SAN	2" VENT	1" CU	1/2" HU
P1	FLOOR FIN'D FV IC	3"	2"	1"	-
P2	ADA FLOOR FIN'D FV IC	3"	2"	1"	-
P3	WALL HUNG URINAL	2"	1-1/2"	3/4"	-
P4	ADA WALL HUNG LAV	1-1/2"	1-1/2"	1/2"	1/2"
PA1(T)	ADA WALL HUNG LAV WITH 1/2" TRAP PRIMER	1-1/2"	1-1/2"	1/2"	1/2"
PA4	ADA COUNTERTOP LAV	1-1/2"	1-1/2"	1/2"	1/2"
PA4(T)	ADA COUNTERTOP LAV WITH 1/2" TRAP PRIMER	1-1/2"	1-1/2"	1/2"	1/2"
PA7(T)	PRISON LAVATORY WATER CLOSET CONNECTION	4"	2"	1-1/4"	3/4"
P8	24"X24" MOP BASIN	3"	2"	3/4"	3/4"
P9	ADA BI-LEVEL WATER COOLER	2"	1-1/2"	1/2"	-
7FD	2" FLOOR DRAIN	2"	2"	1/2"	-
3FD	3" FLOOR DRAIN	3"	2"	1/2"	-

MINIMUM SIZE OF BELOW SLAB SANITARY & VENT PIPING SHALL BE 2". (T) = w/ TRAP PRIMER
* FROM TRAP PRIMER

BFP PERFORMANCE SCHEDULE

TAG	SIZE	FLOW RATE (GPM)	W/PD (FPS)	MAX WORKING TEMPERATURE (DEGREES F)	MAX WORKING PRESSURE (PSI)	TESTABLE (Y) OR (N)	BODY STYLE	SERVICE	MODEL
BFP1A, B	2-1/2"	150.0	12.0	180	175	Y	RFZ	DOM WATER-T	5TDXL
BFP2A, B	1-1/2"	100.0	12.0	180	175	Y	RFZ	DOM WATER-R	5TDXL
BFP3	3/4"	10.0	18.0	180	175	Y	RFZ	BOILER FILL (BU)	5TDXL
BFP4	3/4"	10.0	18.0	180	175	Y	RFZ	BOILER FILL (BD)	5TDXL
BFP5	3/4"	10.0	18.0	180	175	Y	RFZ	CHILLER FILL	5TDXL
BFP6	3"	300.0	18.0	180	175	Y	RFZ	SHIP SERVICE	5TDXL

ENERGY RECOVERY VENTILATOR PERFORMANCE SCHEDULE

TAG	NOMINAL COOLING (TONS)	MINIMUM COOLING (CFM)	MAXIMUM COOLING (CFM)	FAN DRIVE	AIRFLOW (CFM)	TAP (INUG)	EAP (INUG)	RPM	ELECTRICAL REQUIREMENTS	TAG HTG COIL	TAG CLG COIL	TAG HEAT RECOV.	EER (BTU/WATT)	WT. (LBS)	BASIS OF DESIGN GREENECK SERVICE	MODEL	1	2	3	4	5	6	7	8
ERV1	3,000	3,000	3,000	SUPPLY BELT	9,000	2.6	-	173	5.0 10.0	HCI	CC1	ERV1	5,000	TERMINAL BUILDING	ERCH-30H-30	83	78	74	65	55	58	59	53	
ERV2	3,000	3,000	3,000	EXHAUST BELT	9,000	0.14	-	181	5.0 4.5	HCI	CC2	ERV2	5,000	TERMINAL BUILDING	ERCH-30H-30	83	78	74	65	55	58	59	53	
ERV3	6,000	6,000	6,000	SUPPLY BELT	18,000	2.5	-	174	1.5 6.8	HCI	CC3	ERV3	3,000	RECEIVING STATION	ERCH-30H-30	81	82	75	61	51	61	63	55	

AIR DEVICE PERFORMANCE SCHEDULE

TAG	PANEL SIZE (IN)	NECK SIZE (IN)	AIRFLOW (CFM)	SP LOSS (INUG)	THROW (IN)	THROW (IN)	Nc	BASIS OF DESIGN METALARE DUCT CONN (IN)	PATTERN	MODEL
(A)	24x24	6x6	150	0.05	-	-	25	SEE DUG6	SEE DUG6	5000D
(B)	24x24	6x6	350	0.05	-	-	30	SEE DUG6	SEE DUG6	5000D
(C)	24x24	12x12	500	0.05	-	-	30	SEE DUG6	SEE DUG6	5000D
(D)	24x24	6x6	850	0.05	-	-	30	SEE DUG6	SEE DUG6	5000D
(E)	20x12	20x12	500	0.05	-	-	20	SEE DUG6	SEE DUG6	RLD-DF
(F)	8x8	100	0.05	-	-	-	30	SEE DUG6	1/2", 35"	R4D
(G)	12x12	400	0.05	-	-	-	30	SEE DUG6	1/2", 35"	R4D
(H)	16x16	600	0.05	-	-	-	30	SEE DUG6	1/2", 35"	R4D
(I)	22x22	1000	0.05	-	-	-	30	SEE DUG6	1/2", 35"	R4D

CHILLED WATER COOLING COIL PERFORMANCE SCHEDULE

TAG	TOTAL G/F (TENS)	SENCLG (TENS)	FACE VELOCITY (FT/Min)	FLOW RATE (GPM)	W/PD (FT/Min)	WATER VELOCITY (FPS)	EMT. (F)	LIMIT (F)	ROUS	TURNS (TU)	HTG. AIR FLOW (CFM)	MAX. AIR FLOW (CFM)	APD (INUG)	EAT. (F)	LAT. (F)	COIL TYPE	FIN MAT.	FFF	MODEL	VALVE	SERVICE	
CC1	433.5	-	491	98.0	26.6	-	42.0	51.0	6	N	3,000	1.5	81	6.8	52.3	52.2	-	-	144	5000C	VIA	ERV1
CC2	433.5	-	491	98.0	26.6	-	42.0	51.0	6	N	3,000	1.5	81	6.8	52.3	52.2	-	-	144	5000C	VIA	ERV2

HEATING COIL PERFORMANCE SCHEDULE

TAG	OUTPUT (MBH)	SIZE (IN)	FLOW RATE (GPM)	W/PD (FT/Min)	WATER VELOCITY (FPS)	EMT. (F)	LIMIT (F)	ROUS	TURNS (TU)	HTG. AIR FLOW (CFM)	MAX. AIR FLOW (CFM)	APD (INUG)	EAT. (F)	LAT. (F)	COIL TYPE	FIN MAT.	FFF	VALVE	MODEL	SERVICE
HCI	509.4	10.4 5F	21.0	3.4	-	180	140	2	N	3,000	3,000	.17	44	36	-	AL	D0	YB	500002B	ERV1
HCI	509.4	10.4 5F	21.0	3.4	-	180	140	2	N	3,000	3,000	.17	44	36	-	AL	D0	YB	500002B	ERV2
HCI	300.8	11.0 5F	12.0	2.0	-	180	135	2	N	6,000	6,000	.21	45	31	-	AL	D0	YB	500002B	ERV3

Note: Capacities based on 40% propylene glycol and water.

ENERGY RECOVERY WHEEL PERFORMANCE SCHEDULE

TAG	AIR STREAM	AIRFLOW (CFM)	SP. INUG	EDB(T/F)	EWB(T/F)	LDB(T/F)	LEW(T/F)	RAH(%)	RPM	EFF(%)	EDB(T/F)	EWB(T/F)	LDB(T/F)	LEW(T/F)	RAH(%)	RPM	EFF(%)	WEIGHT (LBS)	TAG ARI	
ERV1	OUTSIDE AIR	9,000	-	-10	-10.3	44.2	34.1	-	-	-	81	74	80.1	61.3	-	-	-	69.5	-	ERV1
ERV1	EXHAUST AIR	9,000	-	6.8	-	1.0	5.9	-	-	-	78	-	85	72.2	50	-	-	69.5	-	ERV2
ERV2	OUTSIDE AIR	9,000	-	-10	-10.3	44.2	34.1	-	-	-	81	74	80.1	61.3	-	-	-	69.5	-	ERV2
ERV2	EXHAUST AIR	9,000	-	6.8	-	1.0	5.9	-	-	-	78	-	85	72.2	50	-	-	69.5	-	ERV3
ERV3	OUTSIDE AIR	6,000	-	-10	-10.3	44.3	35.2	-	-	-	81	74	80.1	61.3	-	-	-	70.4	-	ERV3
ERV3	EXHAUST AIR	6,000	-	6.8	-	1.1	4.4	-	-	-	78	-	84.3	71.5	50	-	-	70.4	-	ERV3

RECEIVING BUILDING RADIANT FLOOR HEATING SCHEDULE

ROOM	LOAD (BTU/H)	TUBE SPACING (INCHES)	MANI-FOLD	ZONE
TICKETING / QUEUING (100)	51.1	9"	RFM-1	(C)
X-RAY (100)	10.1	9"	RFM-1	(C)
MEN (100) WOMEN (100)	8.8	9"	RFM-1	(C)
SECURITY / SEARCH (100)	4.0	9"	RFM-1	(C)
OFFICE (101)	2.0	9"	RFM-1	(C)
X-RAY 2 (102)	6.5	9"	RFM-1	(C)

CONTROL VALVE SCHEDULE

TAG	FLOW RATE (GPM)	Cv	VALVE SIZE (IN)	TYPE
V1A	98.0	14.0	2-1/2"	3-WAY, MIXING
V1B	21.0	16.0	1-1/4"	2-WAY, PROPORTIONING
V2A	98.0	14.0	2-1/2"	3-WAY, MIXING
V2B	21.0	16.0	1-1/4"	2-WAY, PROPORTIONING
V3	5.6	11.0	1"	2-WAY, PROPORTIONING
V4	1.0	1.1	1/2"	2-WAY, 2-POSITION
V5	2.0	1.3	1/2"	2-WAY, 2-POSITION

AIR SEPARATOR PERFORMANCE SCHEDULE

TAG	FLOW RATE (GPM)	W/PD (FT/Min)	Cv FACTOR	STRAINER (Y) OR (N)	MAX WORKING TEMPERATURE (DEGREES F)	MAX WORKING PRESSURE (PSI)	SERVICE	PIPE SIZE (IN)	MODEL
AS1	100	3.0	-	N	210	50	HUB/R	3	4900-AD
AS2	200	3.0	-	N	210	50	CHUB/R	4	4900-AD
AS3	60	3.0	-	N	210	50	HUB/R	2-1/2	4900-AD

WALL HEATER PERFORMANCE SCHEDULE

TAG	OUTPUT (MBH)	FLOW RATE (GPM)	W/PD (FT/Min)	AIRFLOW (CFM)	ENTERING WATER TEMP (DEG F)	VALVE	ELECTRICAL REQUIREMENTS	BASIS OF DESIGN BEACON / MORRIS SERVICE	MODEL
WH	8.7	1.0	0.35	12	180	-	AMP 5 V/PHAZ	-	WB4

REFRIGERANT COOLING COIL PERFORMANCE SCHEDULE (ALTERNATE NO. 3)

TAG	TOTAL COOLING (MBH)	SENCLG (MBH)	SATURATION TEMPERATURE (DEG F)	TYPE OF REFRIGERANT	MAX AIR FLOW (CFM)	MAX W/PD (INUG)	EAT (DEG F)	LAT (DEG F)	SERVICE	
CC3	294.4	-	49.0	R22	6000	0.71	81	68	53.4	ERV3

EXPANSION TANK PERFORMANCE SCHEDULE

TAG	TANK VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	MIN REQ'D. ACCEPT. VOLUME (GAL)	MAX WORKING TEMPERATURE (DEG F)	MAX WORKING PRESSURE (PSI)	WEIGHT (LBS)	BASIS OF DESIGN (T) TACO, (A) ANTIROL	MOUNTING	SERVICE	MODEL
ET1	61.0	34.0	34.0	240	125	200	FLOOR	HUB/R (BU)	(T) CAX-254	
ET2	61.0	34.0	34.0	240	125	200	FLOOR	CHUB/R	(T) CAX-254	
ET3	12.0	5.0	5.0	240	150	40	INLINE	BUH	(A) ST-D-C	
ET4	34.0	19.0	-	240	125	200	FLOOR	HUB/R (BU)	(T) CAX-150	
ET5	12.0	5.0	5.0	200	150	40	INLINE	BUH	(A) ST-D-C	

** ALTERNATE NO. 3

CONDENSING UNIT PERFORMANCE SCHEDULE (ALTERNATE NO. 3)

TAG	NOMINAL COOLING (TONS)	NET COOLING (TONS)	REFRIGERANT	CONDENSER AIRFLOW (CFM)	MINIMUM AMBIENT TEMPERATURE (DEG F)	FOOTPRINT DIMENSION (INCHES)	OPERATING WEIGHT (LBS)	MCA	MOCP	V/PHAZ	COMP. STAGING	EER	CIRCUITS	SERVICE	MODEL
CU-1	20.0	299.0	R-22	-	30.0	95"X95"	3600	61 A	10 A	480/3/60	25-50-T-100	11.5	2	ERV-3	ACL-030B

PROVIDE UNIT WITH LOW AMBIENT CONTROLS AND NON-FUSED DISCONNECT SWITCH

FAN PERFORMANCE SCHEDULE

TAG	AIRFLOW (CFM)	TAP (INUG)	NOISE (DONES)	RPM	DRIVE	HP	BHP	WATTS	AMP	V/PHAZ	SERVICE	ARRANGEMENT	MODEL
F1	850	0.5	1.3	1349	BELT	1/4	1/4	-	-	120/1/60	TOILETS - TERMINAL	ROOFTOP DN	GB-10-4
F2	550	0.5	1.5	1265	BELT	1/4	1/4	-	-	120/1/60	TOILETS - TERMINAL	ROOFTOP DN	GB-09-4
F3	400	0.25	9.1	1043	BELT	1/8	1/8	-	-	120/1/60	TOILETS - TERMINAL	ROOFTOP DN	GB-08-6
F4	600	0.25	6.4	1048	BELT	1/4	1/4	-	-	120/1/60	TOILETS - RECEIVING	ROOFTOP DN	GB-09-4
F5	800	0.25	8.4	634	BELT	1/4	1/4	-	-	120/1/60	BOILER ROOM	ROOFTOP	RF-10-4

PUMP PERFORMANCE SCHEDULE

TAG	FLOW RATE (GPM)	HEAD (FEET)	PIPE SIZE (IN)	RPM	EFF %	HP	BHP	WATTS	AMP	V/PHAZ	SERVICE	ARRANGEMENT	MODEL
CP1	82.0	40	6.5	1750	50	2.0	1.5	-	-	480/3/60	HUB/R (BU)	IN-LINE	16-41
CP2	82.0	40	6.5	1750	50	2.0	1.5	-	-	480/3/60	HUB/R (BU)	IN-LINE	16-41
CP3A, B	200.0	60	1.1	1750	61	5.0	4.6	-	-	480/3/60	CHUB/R	BASE-MTD.	F250B
CP4	2.0	1	-	3250	-	1/8	-	-	-	120/1/60	RECIRC. HU	CARTRIDGE	007B
CP5	50.0	35	6.0	1750	64	1.0	0.85	-	-	480/3/60	HUB/R (BU)	IN-LINE	16-35
CP6	50.0	35	6.0	1750	64	1.0	0.85						