AIR HANDLING UNITS

UNIT No.	SERVICE	FAN DATA TOTAL CFM	NUMBER OF COILS	MAX O.A. CFM	MIN O.A. CFM	MAX. FACE VELOCITY FPM	TOTAL S.P. IN. WG.	RPM	FAN TYPE	WHEEL DIAMETER	WHEEL TYPE	BHP	HP
AH-TA-01	TRUSS LEVEL AHU	34454	2	34,454	7,500	500	4.5"	1013	DRAW THRU	40 1/4" AF	CENTRIFUGAL	34	40
AH-TA-02	TRUSS LEVEL AHU	34454	2	34,454	7,500	500	4.5"	1013	DRAW THRU	40 1/4" AF	CENTRIFUGAL	34	40
AH-TA-03	TRUSS LEVEL AHU	34454	2	34,454	7,500	500	4.5"	1013	DRAW THRU	40 1/4" AF	CENTRIFUGAL	34	40
AH-TA-04	TRUSS LEVEL AHU	34454	2	34,454	7,500	500	4.5"	1013	DRAW THRU	40 1/4" AF	CENTRIFUGAL	34	40
AH-TA-05	TRUSS LEVEL AHU	27477	2	0	0	500	4.5"	1248	DRAW THRU	30 "	CENTRIFUGAL	28	30
AH-TA-06	TRUSS LEVEL AHU	27477	2	0	0	500	4.5"	1248	DRAW THRU	30 "	CENTRIFUGAL	28	30
AH-TA-07	TRUSS LEVEL AHU	27477	2	0	0	500	4.5"	1248	DRAW THRU	30 "	CENTRIFUGAL	28	30
AH-TA-08	TRUSS LEVEL AHU	27477	2	0	0	500	4.5"	1248	DRAW THRU	30 "	CENTRIFUGAL	28	30
AH-TA-09	BASEMENT LEVEL AHU	11,812	1	6,254	6,254	500	4.5"	1618	DRAW THRU	22 1/4"	CENTRIFUGAL	13.1	20
AH-TA-10	INSTRUMENT LEVEL AHU	7,500	1	0	0	500	1.75"	1622	DRAW THRU	18"	CENTRIFUGAL	4.44	7.5
AH-TA-11	INSTRUMENT LEVEL AHU	7,500	1	0	0	500	1.75"	1622	DRAW THRU	18"	CENTRIFUGAL	4.44	7.5
MUA-TA-01	TRUSS LEVEL AHU	5,500	1	5,500	5,500	500	5.5"	2606	DRAW THRU	15"	CENTRIFUGAL	7.5	10
MUA-TA-02	TRUSS LEVEL AHU	5,500	1	5,500	5,500	500	5.5"	2606	DRAW THRU	15"	CENTRIFUGAL	7.5	10
MUA-TA-03	BASEMENT LEVEL AHU	2,800	1	2,800	2,800	500	5.5"	2216	DRAW THRU	10 1/2"	CENTRIFUGAL	3.5	5
MUA-TA-04	BASEMENT LEVEL AHU	2,800	1	2,800	2,800	500	5.5"	2216	DRAW THRU	10 1/2"	CENTRIFUGAL	3.5	5

UNIT No.	COOLING COIL AIRSIDE EAT (DB) DEG. F	EAT (WB) DEG. F	LAT (DB) DEG. F	LAT (WB) DEG. F	BTUH PER COIL	TOTAL BTUH	MAX. P.D. IN. WG. PER COIL	WATERSIDE EWT DEG. F	LWT DEG. F	GPM PER COIL	TOTAL GPM	NUMBER OF ROW	FPI	MAX. P.D. FT. WTR. PER COIL	Cv PER COIL
AH-TA-01	78	63	53	52.5	533494	1066988	0.81	45	61	66.7	133.4	6	12	6.94	38.5
AH-TA-02	78	63	53	52.5	533494	1066988	0.81	45	61	66.7	133.4	6	12	6.94	38.5
AH-TA-03	78	63	53	52.5	533494	1066988	0.81	45	61	66.7	133.4	6	12	6.94	38.5
AH-TA-04	78	63	53	52.5	533494	1066988	0.81	45	61	66.7	133.4	6	12	6.94	38.5
AH-TA-05	76	62	53	52.5	380657	761314	0.81	45	61	47.6	95.2	6	12	6.58	28.2
AH-TA-06	76	62	53	52.5	380657	761314	0.81	45	61	47.6	95.2	6	12	6.58	28.2
AH-TA-07	76	62	53	52.5	380657	761314	0.81	45	61	47.6	95.2	6	12	6.58	28.2
AH-TA-08	76	62	53	52.5	380657	761314	0.81	45	61	47.6	95.2	6	12	6.58	28.2
AH-TA-09	88	72	63	61	453988	453988	0.61	45	61	56.7	56.7	5	8	6.25	34.5
AH-TA-10	76	62	55	54	170950	170950	0.55	45	61	21.4	21.4	6	10	5.3	14.1
AH-TA-11	76	62	55	54	170950	170950	0.55	45	61	21.4	21.4	6	10	5.3	14.1
MUA-TA-01	92	74	53	53	389511	389511	1.4	45	61	48.7	48.7	10	10	15	19.1
MUA-TA-02	92	74	53	53	389511	389511	1.4	45	61	48.7	48.7	10	10	15	19.1
MUA-TA-03	92	74	53	52.5	201950	201950	1.4	45	53.1	50	50	6	12	18	17.9
MUA-TA-04	92	74	53	52.5	201950	201950	1.4	45	53.1	50	50	6	12	18	17.9

UNIT No.	HEATING COIL AIRSIDE EAT DEG. F	LAT DEG. F	MAX. P.D. IN. WG. PER COIL	BTUH PER COIL	TOTAL BTUH	WATERSIDE EWT DEG. F	LWT DEG. F	GPM PER COIL	TOTAL GPM	FPI	NUMBER OF ROW	MAX. PD FT. WTR. PER COIL	Cv PER COIL	ELECTRICAL DATA VOLTS	PH	HZ	RPM	REMARKS
AH-TA-01	57.5	65	0.12	137046	274092	180	140	6.9	13.8	6	2	9.89	3.3	460	3	60	1750	SEE FOGGER SCHEDULE, MIN. 72" FOR HUMID. TRANE 80 UNIT
AH-TA-02	57.5	65	0.12	137046	274092	180	140	6.9	13.8	6	2	9.89	3.3	460	3	60	1750	SEE FOGGER SCHEDULE, MIN. 72" FOR HUMID. TRANE 80 UNIT
AH-TA-03	57.5	65	0.12	137046	274092	180	140	6.9	13.8	6	2	9.89	3.3	460	3	60	1750	SEE FOGGER SCHEDULE, MIN. 72" FOR HUMID. TRANE 80 UNIT
AH-TA-04	57.5	65	0.12	137046	274092	180	140	6.9	13.8	6	2	9.89	3.3	460	3	60	1750	SEE FOGGER SCHEDULE, MIN. 72" FOR HUMID. TRANE 80 UNIT
AH-TA-05	57.5	65	0.13	109294	218588	180	140	5.5	11.0	6	2	5.19	3.7	460	3	60	1750	FUTURE
AH-TA-06	57.5	65	0.13	109294	218588	180	140	5.5	11.0	6	2	5.19	3.7	460	3	60	1750	FUTURE
AH-TA-07	57.5	65	0.13	109294	218588	180	140	5.5	11.0	6	2	5.19	3.7	460	3	60	1750	FUTURE
AH-TA-08	57.5	65	0.13	109294	218588	180	140	5.5	11.0	6	2	5.19	3.7	460	3	60	1750	FUTURE
AH-TA-09	36	79	0.12	524758	524758	180	140	26.2	26.2	6	2	7.06	15.0	460	3	60	1750	SEE FOGGER SCHEDULE, MIN. 72" FOR HUMID.
AH-TA-10	72	95	0.12	180565	180565	180	140	9.0	9.0	8	2	2.26	9.1	460	3	60	1750	
AH-TA-11	72	95	0.12	180565	180565	180	140	9.0	9.0	8	2	2.26	9.1	460	3	60	1750	
MUA-TA-01	13	85	0.14	404626	404626	180	140	20.2	20.2	8	2	1.23	27.7	460	3	60	1750	SEE FOGGER SCHEDULE, MIN. 72" FOR HUMID.
MUA-TA-02	13	85	0.14	404626	404626	180	140	20.2	20.2	8	2	1.23	27.7	460	3	60	1750	SEE FOGGER SCHEDULE, MIN. 72" FOR HUMID.
MUA-TA-03	13	75	0.11	180568	180568	180	140	9.0	9.0	6	2	3.3	7.5	460	3	60	1750	SEE FOGGER SCHEDULE, MIN. 72" FOR HUMID.
MUA-TA-04	13	75	0.11	180568	180568	180	140	9.0	9.0	6	2	3.3	7.5	460	3	60	1750	SEE FOGGER SCHEDULE, MIN. 72" FOR HUMID.

FAN COIL UNITS

UNIT No.	SERVICE	CFM	TOTAL S.P. IN. WG.	FAN DATA FAN TYPE	COOLING COIL TOTAL COOLING	GPM	EAT F	LAT F	MAX. P.D. IN. WG.	EWT F	LWT F	MAX. P.D. FT. WTR.	Cv	HEATING COIL TOTAL HEATING	GPM	EAT	LAT	MAX. P.D. IN. WG.	EWT	LWT	MAX. P.D. FT. WTR.	Cv	ELECTRICAL DATA BHP	HP	VOLTS	PH	HZ	SPEC SECTION	REMARKS
FC-TA-01	UTILITY VAULT # 1	4,760	1.5	DRAW THRU	103889	13	85	65	0.45	55	71	9.91	6.3											5	460	3	60		
FC-TA-02	UTILITY VAULT # 2	1,638	1.5	DRAW THRU	35750	4.5	85	65	0.44	55	71	7.98	2.4											1.5	460	3	60		
FC-TA-03	UTILITY VAULT # 3	1,638	1.5	DRAW THRU	35750	4.5	85	65	0.44	55	71	7.98	2.4											1.5	460	3	60		
FC-TA-03A	UTILITY VAULT # 4	3,120	1.5	DRAW THRU	68095	8.5	85	65	0.45	55	71	6.15	5.2											3	460	3	60		
FC-TA-04	HVAC/ELEC	692	1.5	DRAW THRU	15103	1.9	85	65	0.54	45	61	11.52	0.9											0.75	460	3	60		
FC-TA-07	CONTROL ROOM	1652	1.5	DRAW THRU	30330	3.8	72	55	0.44	45	61	4.42	2.3											2	460	3	60		
FC-TA-10	SERVICE GALLERY	972	1.5	DRAW THRU	11341	1.4	76	65	0.43	55	71	5.31	0.9	17297	0.9	55	72	0.11	180	140	3.94	0.7		0.75	460	3	60		
FC-TA-11	MANIPULATOR GALLERY	1,096	1.5	DRAW THRU	12788	1.6	76	65	0.44	55	71	8.85	0.8	19503	1	55	72	0.12	180	140	4.14	0.7		1	460	3	60		
FC-TA-12	DECON ROOM	1,045	1.5	DRAW THRU	12193	1.5	76	65	0.43	55	71	7.08	0.9	18596	0.9	55	72	0.11	180	140	3.55	0.7		0.5	460	3	60		
FC-TA-13	CARBON FILTER ROOM	664	1.5	DRAW THRU	7584	0.9	76	65	0.42	55	71	1.62	1.1											1	460	3	60		
FC-TA-14	BOTTOM LOADING	700	1.5	DRAW THRU	8316	1	76	65	0.59	55	71	.7	1.2											1	460	3	60		
FC-TA-15	DI ROOM	2,400	1.5	DRAW THRU	28003	3.5	76	65	0.46	45	61	6.67	2.1											2	460	3	60		
FC-TA-16	GOLD AMALGATION	180	1.5	DRAW THRU	2100	0.3	76	65	0.16	55	71	0.11	1.4											2	460	3	60		FUTURE

CHILLED WATER COOLING COILS

UNIT No.	LOCATION/ SERVICE	MAX. FACE VELOCITY FPM	CAPACITY BTUH	AIRSIDE CFM	EAT (DB) DEG. F	EAT (WB) DEG. F	LAT (DB) DEG. F	LAT (WB) DEG. F	MAX. P.D. IN. WG.	WATERSIDE EWT DEG. F	LWT DEG. F	NUMBER OF ROW	FPI	GPM	MAX. P.D. FT. WTR.	Cv	BASIS OF DESIGN	SPEC SECTION	REMARKS
CC-TA-01	PERSON DECON	500	10,205	500	65	61	55	54	0.67	45	53.5	4	10	2.4	5.75	1.5	PACE COIL SELECTION		INTEGRAL DRAIN PAN
CC-TA-02	COMMUNICATIONS ROOM	500	5,531	271	65	61	55	54	0.39	45	53.6	4	10	1.3	1.45	1.6	PACE COIL SELECTION		INTEGRAL DRAIN PAN
CC-TA-03	COUNTINGLAB	500	21,227	1040	65	61	55	54	0.7	45	56.8	6	8	3.6	4.51	2.6	PACE COIL SELECTION		INTEGRAL DRAIN PAN
CC-TA-04	DECAY/RCRA ROOM	500	4,592	225	65	61	55	54	0.28	45	54.4	4	10	1.0	0.87	1.6	PACE COIL SELECTION		INTEGRAL DRAIN PAN
CC-TA-05	SOUTH CORRIDOR	500	9,797	480	65	61	55	54	0.62	45	53.7	4	10	2.3	5.12	1.5	PACE COIL SELECTION		INTEGRAL DRAIN PAN
CC-TA-06	UTILITY TUNNEL	500	10,205	500	65	61	55	54	0.67	45	53.5	4	10	2.4	5.75	1.5	PACE COIL SELECTION		INTEGRAL DRAIN PAN
CC-TA-07	PRIMARY CONFINEMENT	500	18,533	908	65	61	55	54	0.88	45	58.8	6	10	2.7	15.95	1.0	PACE COIL SELECTION		INTEGRAL DRAIN PAN
CC-TA-08	SECONDARY CONFINEMENT	500	12,491	612	65	61	55	54	0.64	45	54.3	4	10	2.7	8.81	1.4	PACE COIL SELECTION		INTEGRAL DRAIN PAN
CC-TA-09	HP OFFICE	500	12,553	615	65	61	55	54	0.65	45	54.3	4	10	2.7	8.85	1.4	PACE COIL SELECTION		INTEGRAL DRAIN PAN

IN DUCT COOLING COILS OFF AH-TA-09 SHALL BE SUPPLIED WITH INTEGRAL CONDENSATE DRAIN PANS

FOGGER HUMIDIFIER SCHEDULE

SYMBOL	SERVICE	TOTAL SUPPLY CFM	MAKE-UP AIR OA %	OA CFM	DESIGN CONDITIONS ENTERING AIR DB (F)	W1	LEAVING AIR DB (F)	W2	TOTAL FOG (LB/HR)	NUMBER FOGGER MANIFOLD	FOG/HD FOGGER (LB/HD)	DI WATER PRESS. (PSIG)	SPEC SECTION	REMARKS
AH-TA-01	TRUSS LEVEL	34,454	23	7,500	13	8	72	50	203	4	50	95		ARMSTRONG, COOL-FOG
AH-TA-02	TRUSS LEVEL	34,454	23	7,500	13	8	72	50	203	4	50	95		ARMSTRONG, COOL-FOG
AH-TA-03	TRUSS LEVEL	34,454	23	7,500	13	8	72	50	203	4	50	95		ARMSTRONG, COOL-FOG
AH-TA-04	TRUSS LEVEL	34,454	23	7,500	13	8	72	50	203	4	50	95		ARMSTRONG, COOL-FOG
MUA-TA-01	TRUSS LEVEL	5,500	100	5,500	13	8	72	50	149	3	50	95		ARMSTRONG, COOL-FOG
MUA-TA-02	TRUSS LEVEL	5,500	100	5,500	13	8	72	50	149	3	50	95		ARMSTRONG, COOL-FOG
MUA-TA-03	BSMT. LEVEL	2,800	100	3,000	13	8	72	50	81	2	40.5	95		ARMSTRONG, COOL-FOG
MUA-TA-04	BSMT. LEVEL	2,800	100	3,000	13	8	72	50	81	2	40.5	95		ARMSTRONG, COOL-FOG
AH-TA-09	BSMT. LEVEL	11,812	60	6,900	13	8	72	50	186	4	46.5	95		ARMSTRONG, COOL-FOG

NOTES:

1. ALL WETTED COMPONENTS ARE 316 STAINLESS STEEL
2. SEE SPECIFICATION 15501, PAR. 2.2 F)

W1 ENTERING AIR HUMIDITY RATIO

W2 LEAVING AIR HUMIDITY RATIO

DIFFUSER, GRILLE AND REGISTER SCHEDULE

TYPE	SERVICE	FACE SIZE IN	NECK SIZE IN	SLOT SIZE IN	MATERIAL	MODEL NUMBER	CEILING TYPE	SPEC SECTION	MANUFACTURER	REMARKS
A	SUPPLY	24x24	ROUND NECK		STEEL	PDS	SEE ARCH CEILING PLANS		TITUS W/ AG-75 DAMPER	HARD CONNECT WITH NO CEILING
B	SUPPLY	12x24	ROUND NECK		STEEL	PDS	SEE ARCH CEILING PLANS		TITUS W/ AG-75 DAMPER	
C	RETURN/EXHAUST	24x24	SEE PLAN		STEEL	PDR	SEE ARCH CEILING PLANS		TITUS	
C1	RETURN/EXHAUST	24x24	ROUND NECK		STEEL	PDR	SEE ARCH CEILING PLANS		TITUS	
D	SUPPLY	48	ROUND NECK	(3) 1	STEEL		SEE ARCH CEILING PLANS		TITUS W/ AG-75 DAMPER	
E	SUPPLY	48	ROUND NECK	(2) 1	STEEL		SEE ARCH CEILING PLANS		TITUS W/ AG-75 DAMPER	
F	SUPPLY	24	ROUND NECK	(3) 1	STEEL		SEE ARCH CEILING PLANS		TITUS W/ AG-75 DAMPER	
G	SUPPLY		ROUND NECK	CONES	STEEL		SEE ARCH CEILING PLANS		TITUS W/ AG-75 DAMPER	
H	SUPPLY	SEE PLANS	ROUND NECK		ALUM	FT1	SEE ARCH CEILING PLANS		TITUS FLOW BAR FT1-?	
I	SUPPLY	SEE PLANS	SEE PLAN	3/4	STEEL	300 RL	SEE ARCH CEILING PLANS		TITUS DOUBLE DEFLECTION W/ AG-15 DAMPER	
J	RETURN/EXHAUST	SEE PLANS	SEE PLAN	1/2	STEEL	355 RL	SEE ARCH CEILING PLANS		DOUBLE DEFLECTION W/ AG-15 DAMPER	
K	TRANSFER	SEE PLANS	SEE PLAN	3/4	STEEL	350 RL	SEE ARCH CEILING PLANS		DOUBLE DEFLECTION W/ AG-15 DAMPER	
L	DOOR GRILLE	SEE PLANS	SEE PLAN	1/2	STEEL	T-700L	SEE ARCH CEILING PLANS		DOUBLE DEFLECTION W/ AG-15 DAMPER	
M	SUPPLY, DRUM LOUVER	SEE PLANS	SEE PLAN		ALUM	DL	N/A		TITUS	
N	SUPPLY, REGISTER	SEE PLANS	SEE PLAN		STAINLESS STEEL 304L	300-RL-SS	N/A		TITUS	WITH SS OPPOSED BLADE DAMPER
O	RETURN REGISTER	SEE PLANS	SEE PLAN		STAINLESS STEEL 304L	350RL-SS	N/A		TITUS	
P	SUPPLY, REGISTER	SEE PLANS	SEE PLAN		STEEL	300-RL	N/A		TITUS	WITH OPPOSED BLADE DAMPER
Q	RETURN REGISTER	SEE PLANS	SEE PLAN		STEEL	350-RL	N/A		TITUS	
R	SUPPLY, DIFFUSER	SEE PLANS	SEE PLAN		STEEL	XC-310	N/A		TITUS	HARD CONNECT WITH NO CEILING

EXHAUST FAN SCHEDULE

MARK	SYSTEM SERVED	CFM	TOTAL S.P.	FAN TYPE	FAN RPM	DRIVE	HORSEPOWER BRAKE	MOTOR	ELEC. CHAR. VOLTS	PHASE	HZ	BASIS OF DESIGN MFR	MODEL	SPEC SECTION	REMARKS
EF-TA-01	INSTRUMENT FLOOR	34,454	0.25	CENTRIFUGAL	390	BELT	5	7.5	480	3	60	COOK	60HSE11B	15501	CURB, VDF MOTOR
EF-TA-02	INSTRUMENT FLOOR	34,454	0.25	CENTRIFUGAL	390	BELT	5	7.5	480	3	60	COOK	60HSE11B	15501	CURB, VFD MOTOR
EF-TA-03	INSTRUMENT FLOOR	34,454	0.25	CENTRIFUGAL	390	BELT	5	7.5	480	3	60	COOK	60HSE11B	15501	CURB, VFD MOTOR
EF-TA-04	INSTRUMENT FLOOR	34,454	0.25	CENTRIFUGAL	390	BELT	5	7.5	480	3	60	COOK	60HSE11B	15501	CURB, VFD MOTOR
EF-TA-05	INSTRUMENT FLOOR	27,477	0.25	CENTRIFUGAL	390	BELT	5	7.5	480	3	60	COOK	60HSE11B	15501	FUTURE
EF-TA-06	INSTRUMENT FLOOR	27,477	0.25	CENTRIFUGAL	390	BELT	5	7.5	480	3	60	COOK	60HSE11B	15501	FUTURE
EF-TA-07	INSTRUMENT FLOOR	27,477	0.25	CENTRIFUGAL	390	BELT	5	7.5	480	3	60	COOK	60HSE11B	15501	FUTURE
EF-TA-08	INSTRUMENT FLOOR	27,477	0.25	CENTRIFUGAL	390	BELT	5	7.5	480	3	60	COOK	60HSE11B	15501	FUTURE
EF-TA-09	FORKLIFT AREA EXHAUST	760	1	CENTRIFUGAL	1500	BELT	0.19	0.25	120	1	60			15501	
EF-TA-10	BASEMENT TERTIARY EXHAUST	5,555	1	CENTRIFUGAL	570	BELT	1.22	1.5	480	3	60			15501	
EF-TA-11	RESTROOM-BASEMENT/LEVEL 1	484	0.75	CENTRIFUGAL	1615	BELT	0.12	0.167	120	1	60			15501	
EF-TA-12	BREAK ROOM INSTRUMENT FLOOR	448	0.75	CENTRIFUGAL	1615	BELT	0.12	0.167	120	1	60			15501	
EF-TA-13	HYDROGEN RM VENTILATION.	269	0.625	CENTRIFUGAL	1710	BELT	0.13	1/4	120	1	60	GREENHECK	GB-100-4	15501	SEE NOTE 2. PROVIDE FAN CURB
EF-TA-14	HYDROGEN RM EMERG. VENT.	8,000	2	CENTRIFUGAL	1300	BELT	5	7.5	208	3	60	GREENHECK	CUBE-360XP	15501	SEE NOTE 1. PROVIDE FAN CURB
EF-TA-15	HYDROGEN RM EMERG. VENT.	8,000	2	CENTRIFUGAL	1300	BELT	5	7.5	208	3	60	GREENHECK	CUBE-360XP	15501	SEE NOTE 1. PROVIDE FAN CURB

NOTE 1: ENSURE THE FAN IS PROVIDED AS SPECIFIED, OR STRICT APPROVED EQUAL. NOTICE THAT THE UNITS IS SELECTED FOR EXTENDED PRESSURE PERFORMANCE, WHICH IS INDICATED AS "XP" TYPE FOR THIS MANUFACTURER. ALL ALUMINUM SPARK- FREE CONSTRUCTION IS REQUIRED FOR PARTS IN CONTACT WITH THE AIR STREAM, INCLUSIVE OF THE BIRDSCREEN. PROVIDE EXPLOSION PROOF MOTOR. SEE SPEC FOR MORE DETAILS.

NOTE 2: ALL ALUMINUM SPARK- FREE CONSTRUCTION FOR PARTS IN CONTACT WITH THE AIR STREAM, INCLUSIVE OF THE BIRDSCREEN. PROVIDE EXPLOSION PROOF MOTOR. PROVIDE BACKDRAFT DAMPER. THIS FAN SHOULD BE OUTFITTED WITH A PERFORMANCE BAFFLE AS TO PROVIDE A PERFORMANCE SIMILAR TO FAN MODEL GB-70-4 FOR THE OPERATING CONDITIONS SPECIFIED HEREWITH.

INTAKE PENTHOUSES

UNIT No.	SERVICE	FUNCTION	CFM	TROAT SIZE IN.	MAX. P.D. IN. WG. (1)	BASIS OF DESIGN MANUF.	MODEL No.	SPEC SECTION	REMARKS
PH-TA-01	H2 ROOM	INTAKE AIR	8000	48 x 48	0.055	GREENHECK	WIH	15501	COMPLETE WITH BIRDSCREEN AND CURB.
PH-TA-02	STAIR # 5 VENT	INTAKE AIR	300	12 x 12	0.02	GREENHECK	WIH	15501	COMPLETE WITH BIRDSCREEN AND CURB.

NOTE1: INCLUDES BIRDS SCREEN PRESSURE DROP BUT IT DOES NOT INCLUDE THE VOLUME DAMPER PRESSURE DROP.

UNIT HEATER SCHEDULE

EQUIP. TAG	LOCATION	CAPACITY MBH	CFM	EWT deg F	LWT deg F	WATER GPM	PD FT of WATER	Cv	EAT deg F	LAT MAX. deg F	THROW FT	FAN MOTOR ELECTRICAL HP	VOLTS	Ph	Hz	SPEC SECTION	REMARKS
UH-TA-01	TRUCK BAY	38	1170	180	140	3.8	0.5	8.2	60	82	42	1/12	120	1	60		MODINE, MODEL HS-63L
UH-TA-02	EAST STAIRWELL	21	855	180	140	2.1	0.2	7.1	60	82	42	1/12	120	1	60		MODINE, MODEL HS-47L
UH-TA-03	FIRE PROTECTION	21	855	180	140	2.1	0.2	7.1	60	82	42	1/12	120	1	60		MODINE, MODEL HS-47L
UH-TA-04	TRUCK BAY	38	1170	180	140	3.8	0.5	8.2	60	82	42	1/12	120	1	60		MODINE, MODEL HS-63L
UH-TA-05	TRUCK BAY	38	1170	180	140	3.8	0.5	8.2	60	82	42	1/12	120	1	60		MODINE, MODEL HS-63L

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OF DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

SECTION AND DETAIL KEY: NUMBER OF SECTION OR DETAIL; DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN

THIS DOCUMENT CONTROLLED BY CHANGE CONTROL SYSTEM 3

ENGINEERING PROCEDURE SNS-ENG-C001

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE REQUEST NUMBER	DESCRIPTION	DSN	CHK	DEPT	DATE	PE	DATE	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE	ST	CV	EC	EE	EM	IE	M	PD	SE	AR
0				CERTIFIED FOR CONSTRUCTION – 11/13/01	MMK	BWJ				11/15/01	RAD	11/14/01				11/14/01	BWJ	105869	11/13/01	REW	–	WRS	AK	WRS	BWJ	–	MP	–	ED

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

RPE: BRUCE W. JOHNSON, REGISTERED ENGINEER, No. 00105869, STATE OF TENNESSEE

DSN	M.KEHOE	11/13/01
DRW	J.STEIN	11/13/01
CHK	B.JOHNSON	11/13/01
DEPT		
PE	P L Darren	11/15/01
PJ	RA Dean	11/14/01
REQ		
UTB		11/14/01

REV. 0 DATE 11/13/01 — DRAWING APPROVALS

108030700-H8E-8700-A071

Knight/Jacobs Joint Venture, 701 Scarboro Road, MS 8253, Oak Ridge, TN 37830, 865-241-9433, fax 865-241-3400

KNIGHT — Knight Advanced Technology, 549 West Randolph Street, Chicago, IL 60661

UT-BATTELLE — Oak Ridge National Laboratory, managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725, UT-BATTELLE, LLC, Oak Ridge, Tennessee

PROJECT NAME: SPALLATION NEUTRON SOURCE

TARGET BUILDING HVAC SCHEDULES

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	H	X	X	8	8700		1	1	D	U

51	52	53	WBS		REV
NC	NA		1.8.3.7	H9.10.30	0