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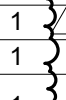

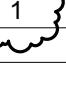


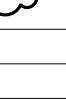


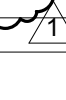





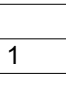

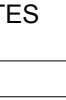
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HVAC DESIGN DATA ACA							
DESIGN CONDITIONS		SUMMER			WINTER		
		TEMP °F	WET BULB TEMP °F	% HUMIDITY	TEMP °F	DEWPOINT TEMP °F	% HUMIDITY
OUTDOOR DESIGN CONDITIONS		95	76	50	1	0	NA
INDOOR AREA DESIGN CONDITIONS							
ROOM NUMBER	ROOM NAME	TEMP °F	WET BULB TEMP °F	% HUMIDITY	TEMP °F	DEWPOINT TEMP °F	% HUMIDITY
3041-1	IT-1	75	65	60	70	53	30
E300	ELEVATOR LOBBY	75	65	60	70	53	30
E301	HEMIONC WAITING	75	65	60	70	53	30
E302	RECEPTION	75	65	60	70	53	30
E303	WORK AREA	75	65	60	70	53	30
E304	IT	75	65	60	70	53	30
E305	STAFF LOUNGE	75	65	60	70	53	30
E306	STAFF LOCKERS	75	65	60	70	53	30
E307	STAFF TOILET	75	65	60	70	53	30
E308	STAFF LOCKERS	75	65	60	70	53	30
E309	STAFF TOILET	75	65	60	70	53	30
E311	WORK AREA	75	65	60	70	53	30
E313	EXIST. MANIFOLD ROOM	75	65	60	70	53	30
E314	EXIST. DENTAL MECH.	75	65	60	70	53	30
E316	EXIST. TOILET	75	65	60	70	53	30
E317	EXIST. DENTAL OPERATORY	75	65	60	70	53	30
E318	EXIST. DENTAL OPERATORY	75	65	60	70	53	30
E319	EXIST. DENTAL CHIEF OFFICE	75	65	60	70	53	30
E320	EXIST. OFFICE	75	65	60	70	53	30
E321	EXIST. DENTAL OPERATORY	75	65	60	70	53	30
E322	EXIST. DENTAL OPERATORY	75	65	60	70	53	30
E323	EXIST. DENTAL OPERATORY	75	65	60	70	53	30
E324	EXIST. DENTAL OPERATORY	75	65	60	70	53	30
E325	OFFICE	75	65	60	70	53	30
E326	EXIST. IT	75	65	60	70	53	30
E327	DENTAL LAB	75	65	60	70	53	30
E328	EXIST. LAB/CERAMICS	75	65	60	70	53	30
E329	DENTAL OPERATORY 13	75	65	60	70	53	30
E330	SOILED HOLDING	75	65	60	70	53	30
E331	X-RAY ALCOVE	75	65	60	70	53	30
E332	DENTAL OPERATORY 12	75	65	60	70	53	30
E333	DENTAL OPERATORY 11	75	65	60	70	53	30
E334	DENTAL OPERATORY 10	75	65	60	70	53	30
E335	EXIST. CLEAN DISPATCH	75	65	60	70	53	30
E336	DENTAL OPERATORY	75	65	60	70	53	30
E337	DENTAL OPERATORY	75	65	60	70	53	30
E338	SWAMP	75	65	60	70	53	30
E339	DENTAL OPERATORY	75	65	60	70	53	30
E340	DENTAL OPERATORY	75	65	60	70	53	30
E341	DENTAL OPERATORY	75	65	60	70	53	30
E342	CORRIDOR	75	65	60	70	53	30
E343	BIOMED	75	65	60	70	53	30
F300	WAITING	75	65	60	70	53	30
F301	WAITING	75	65	60	70	53	30
F302-1	PATIENT CHECK-IN KIOSK-1	75	65	60	70	53	30
F302-2	PATIENT CHECK-IN KIOSK-2	75	65	60	70	53	30
F303	VENDING	75	65	60	70	53	30
F304	PUBLIC TOILET	75	65	60	70	53	30
F305	PUBLIC TOILET	75	65	60	70	53	30
F306	CORRIDOR	75	65	60	70	53	30
F306I	STAIR	75	65	60	70	53	30
F307	CONFERENCE ROOM	75	65	60	70	53	30
F308	HOUSEKEEPING	75	65	60	70	53	30
F309	STAFF TOILET	75	65	60	70	53	30
F310	STAFF TOILET	75	65	60	70	53	30
F311	EXIST. ELEC.	75	65	60	70	53	30
F312	EXIST. STAIR	75	65	60	70	53	30
F312.1	EXIST. SECURITY	75	65	60	70	53	30
F313	CORRIDOR	75	65	60	70	53	30
F314	CLEAN DISPATCH	75	65	60	70	53	30
F315	DERM EQUIPMENT STORAGE	75	65	60	70	53	30
F316	SWAMP	75	65	60	70	53	30
F317	FLEX OFFICE	75	65	60	70	53	30
F318	SOILED HOLDING	75	65	60	70	53	30
F319	STAFF TOILET	75	65	60	70	53	30
F321	NURSE TRIAGE OFFICE	75	65	60	70	53	30
F322	PROCEDURE ROOM	75	65	60	70	53	30
F323	TOILET W/ SHOWER	75	65	60	70	53	30
F324	EXAM ROOM	75	65	60	70	53	30
F325	EXAM ROOM	75	65	60	70	53	30
F326	EXAM ROOM	75	65	60	70	53	30
F327	EXAM ROOM	75	65	60	70	53	30

HVAC DESIGN DATA ACA							
DESIGN CONDITIONS		SUMMER			WINTER		
		TEMP °F	WET BULB TEMP °F	% HUMIDITY	TEMP °F	DEWPOINT TEMP °F	% HUMIDITY
OUTDOOR DESIGN CONDITIONS		95	76	50	1	0	NA
INDOOR AREA DESIGN CONDITIONS							
ROOM NUMBER	ROOM NAME	TEMP °F	WET BULB TEMP °F	% HUMIDITY	TEMP °F	DEWPOINT TEMP °F	% HUMIDITY
F328	EXAM ROOM	75	65	60	70	53	30
F329	EXAM ROOM	75	65	60	70	53	30
F330	EXAM ROOM	75	65	60	70	53	30
F331	WHEELCHAIR, STRETCHER, CRASH CART ALCOVE	75	65	60	70	53	30
F332	INTAKE	75	65	60	70	53	30
F333	RECEPTION	75	65	60	70	53	30
F334	NURSE WORK/MEDS	75	65	60	70	53	30
F335	INTAKE	75	65	60	70	53	30
F336	PATIENT TOILET	75	65	60	70	53	30
F337	EXAM ROOM	75	65	60	70	53	30
F338	EXAM ROOM	75	65	60	70	53	30
F339	EXAM ROOM	75	65	60	70	53	30
F340	EXAM ROOM	75	65	60	70	53	30
F341	EXAM ROOM	75	65	60	70	53	30
F342	EXAM ROOM	75	65	60	70	53	30
F343	EXAM ROOM	75	65	60	70	53	30
F344	DERM LAB	75	65	60	70	53	30
F345	EXAM ROOM	75	65	60	70	53	30
F346	EXAM ROOM	75	65	60	70	53	30
F347	PROCEDURE ROOM	75	65	60	70	53	30
F348	SWAMP	75	65	60	70	53	30
F349	CHARGE NURSE & PA OFFICE	75	65	60	70	53	30
F350	NURSE MANAGER OFFICE	75	65	60	70	53	30
F351	CORRIDOR	75	65	60	70	53	30
F352	PATIENT CONFERENCE	75	65	60	70	53	30
F353	CLINICAL TRIALS OFFICE	75	65	60	70	53	30
F354	SWAMP	75	65	60	70	53	30
F355	PHYSICIAN OFFICE	75	65	60	70	53	30
F356	PHYSICIAN OFFICE	75	65	60	70	53	30
F357	PHARMACIST OFFICE	75	65	60	70	53	30
F358	WORK ROOM	65	55	60	65	55	30
F359	ANTE	65	55	60	65	55	30
F360	HOUSEKEEPING	65	55	60	65	55	30
F361	IV PREP	65	55	60	65	55	30
F362	DRUG STORAGE	65	55	60	65	55	30
F363	CLEAN DISPATCH	75	65	60	70	53	30
F364	SOILED DISPATCH	75	65	60	70	53	30
F365	MED. ROOM	75	65	60	70	53	30
F366	TOILET	75	65	60	70	53	30
F367	INFUSION BAY #10	75	65	60	70	53	30
F368	INFUSION BAY #11	75	65	60	70	53	30
F369	INFUSION BAY #12	75	65	60	70	53	30
F371	INFUSION BAY #7	75	65	60	70	53	30
F372	INFUSION BAY #8	75	65	60	70	53	30
F373	INFUSION BAY #9	75	65	60	70	53	30
F374	CORRIDOR	75	65	60	70	53	30
F375	NURSE STATION	75	65	60	70	53	30
F376	INFUSION BAY #3	75	65	60	70	53	30
F377	INFUSION BAY #4	75	65	60	70	53	30
F378	INFUSION BAY #5	75	65	60	70	53	30
F379	INFUSION BAY #6	75	65	60	70	53	30
F380	PRIVATE INFUSION ROOM	75	65	60	70	53	30
F381	PRIVATE INFUSION ROOM	75	65	60	70	53	30
F382	TOILET	75	65	60	70	53	30
F385	PATIENT TOILET	75	65	60	70	53	30
F386	INFUSION BAY #2	75	65	60	70	53	30
F387	INFUSION BAY #1	75	65	60	70	53	30
F388	EXAM ROOM	75	65	60	70	53	30
F389	EXAM ROOM	75	65	60	70	53	30
F390	INTAKE	75	65	60	70	53	30
F391	EXAM ROOM	75	65	60	70	53	30
F392	EXAM ROOM	75	65	60	70	53	30
F393	EXAM ROOM	75	65	60	70	53	30
F394	CORRIDOR	75	65	60	70	53	30
F394I	STAIR	75	65	60	70	53	30
F395	STAIR	75	65	60	70	53	30
F396	ELEC.	75	65	60	70	53	30
F400	CORRIDOR	75	65	60	70	53	30
F401	MECH	75	65	60	70	53	30
F403	PENTHOUSE	75	65	60	70	53	30

SINGLE DUCT AIR TERMINAL UNIT SCHEDULE (ACA)																			
MARK	ROOM(S) SERVED	AREA AND/OR BUILDING SERVED	SYSTEM AIR HANDLING UNIT	SIZE	HEAT SOURCE	AIRFLOW		(REHEAT MBH)	AIR TEMPERATURE (F)		WATER TEMPERATURE (F)			MAX APD	MAX WPD	CONTROL TYPE	ACTUATORS VOLTAGE	REMARKS	
						MAX (CFM)	MIN (CFM)		EAT	MAX LAT	EWT	LWT							
VAV-113	E329, E332	DENTAL	ACA-AHU-7	8	WATER	575	260	8.0	53	90	180	140	0.5"	6"	DDC	24			
VAV-114	E333, E334	DENTAL	ACA-AHU-7	8	WATER	720	255	10.0	53	90	180	140	0.5"	6"	DDC	24			
VAV-115	E336, E337, E342.3	DENTAL	ACA-AHU-7	8	WATER	480	235	5.6	53	90	180	140	0.5"	6"	DDC	24			
VAV-116	E339, E340	DENTAL	ACA-AHU-7	8	WATER	700	235	5.6	53	90	180	140	0.5"	6"	DDC	24			
VAV-117	E341	DENTAL	ACA-AHU-7	6	WATER	140	135	3.3	53	90	180	140	0.5"	6"	DDC	24			
VAV-118	F307, F308	ACA	ACA-AHU-8	8	WATER	485	320	7.7	53	90	180	140	0.5"	6"	DDC	24			
VAV-119	F305	ACA	ACA-AHU-8	6	WATER	215	215	5.2	53	90	180	140	0.5"	6"	DDC	24			
VAV-120	F304, F333	ACA	ACA-AHU-8	6	WATER	390	300	7.2	53	90	180	140	0.5"	6"	DDC	24			
VAV-121	F302, F303	ACA	ACA-AHU-8	6	WATER	120	75	1.8	53	90	180	140	0.5"	6"	DDC	24			
VAV-122	F300, F333	ACA	ACA-AHU-8	8	WATER	555	555	13.2	53	90	180	140	0.5"	6"	DDC	24			
VAV-123	F400, F300	ACA	ACA-AHU-8	8	WATER	715	715	10.7	53	90	180	140	0.5"	6"	DDC	24			
VAV-124	F313, F333	ACA	ACA-AHU-8	6	WATER	580	400	9.6	53	90	180	140	0.5"	6"	DDC	24			
VAV-125	F329, F330, F331	ACA	ACA-AHU-8	6	WATER	285	285	6.8	53	90	180	140	0.5"	6"	DDC	24			
VAV-126	F332, F334, F335	ACA	ACA-AHU-8	8	WATER	550	305	7.6	53	90	180	140	0.5"	6"	DDC	24			
VAV-127	F313, F324, F325, F326	ACA	ACA-AHU-8	6	WATER	475	380	9.1	53	90	180	140	0.5"	6"	DDC	24			
VAV-128	F327, F328	ACA	ACA-AHU-8	6	WATER	220	220	5.3	53	90	180	140	0.5"	6"	DDC	24			
VAV-129	F322	ACA	ACA-AHU-8	6	WATER	335	335	8.0	53	90	180	140	0.5"	6"	DDC	24			
VAV-130	3060	ACA	ACA-AHU-8	6	WATER	430	155	6.0	53	90	180	140	0.5"	6"	DDC	24			
VAV-131	F315, F316, F317	ACA	ACA-AHU-8	8	WATER	595	250	8.2	53	90	180	140	0.5"	6"	DDC	24			
VAV-132	F313, F314, F319	ACA	ACA-AHU-8	6	WATER	355	260	6.2	53	90	180	140	0.5"	6"	DDC	24			
VAV-133	F337, F338, F339	ACA	ACA-AHU-8	8	WATER	435	360	8.6	53	90	180	140	0.5"	6"	DDC	24			
VAV-134	F340, F343	ACA	ACA-AHU-8	6	WATER	280	220	5.3	53	90	180	140	0.5"	6"	DDC	24			
VAV-135	F341, F342	ACA	ACA-AHU-8	6	WATER	210	210	5.0	53	90	180	140	0.5"	6"	DDC	24			
VAV-136	F313, F344	ACA	ACA-AHU-8	9	WATER	245	90	3.4	53	90	180	140	0.5"	6"	DDC	24			
VAV-137	F345, F346	ACA	ACA-AHU-8	6	WATER	275	215	5.2	53	90	180	140	0.5"	6"	DDC	24			
VAV-138	F347	ACA	ACA-AHU-8	6	WATER	330	330	7.9	53	90	180	140	0.5"	6"	DDC	24			
VAV-139	F348	ACA	ACA-AHU-8	9	WATER	595	210	8.2	53	90	180	140	0.5"	6"	DDC	24			
VAV-140	F313, F349, F350	ACA	ACA-AHU-8	10	WATER	785	275	10.9	53	90	180	140	0.5"	6"	DDC	24			
VAV-141	F321	ACA	ACA-AHU-8	6	WATER	405	210	5.8	53	90	180	140	0.5"	6"	DDC	24			
VAV-142	F301	ACA	ACA-AHU-8	10	WATER	830	365	14.1	53	90	180	140	0.5"	6"	DDC	24			
VAV-143	F352, F353	ACA	ACA-AHU-8	6	WATER	395	150	5.8	53	90	180	140	0.5"	6"	DDC	24			
VAV-144	E300	ACA	ACA-AHU-8	10	WATER	975	365	13.5	53	90	180	140	0.5"	6"	DDC	24			
VAV-145	E301	ACA	ACA-AHU-8	12	WATER	1770	615	24.4	53	90	180	140	0.5"	6"	DDC	24			
VAV-146	F388, F389, F390	ACA	ACA-AHU-8	6	WATER	375	375	9	53	90	180	140	0.5"	6"	DDC	24			
VAV-147	E302	ACA	ACA-AHU-8	4	WATER	145	145	3.5	53	90	180	140	0.5"	6"	DDC	24			
VAV-148	F386, F387	ACA	ACA-AHU-8	6	WATER	240	240	5.8	53	90	180	140	0.5"	6"	DDC	24			
VAV-149	F376, F377, F378, F379	ACA	ACA-AHU-8	8	WATER	480	480	11.5	53	90	180	140	0.5"	6"	DDC	24			
VAV-150	F375	ACA	ACA-AHU-8	6	WATER	115	115	2.8	53	90	180	140	0.5"	6"	DDC	24			
VAV-151	F367, F368, F369, F371, F372, F373	ACA	ACA-AHU-8	10	WATER	1060	650	15.5	53	90	180	140	0.5"	6"	DDC	24			
VAV-152	E303	ACA	ACA-AHU-8	4	WATER	60	50	1.2	53	90	180	140	0.5"	6"	DDC	24			
VAV-154	F381, F394	ACA	ACA-AHU-8	6	WATER	260	225	5.4	53	90	180	140	0.5"	6"	DDC	24			
VAV-155	F390, F394	ACA	ACA-AHU-8	6	WATER	255	220	5.3	53	90	180	140	0.5"	6"	DDC	24			
VAV-156	E305, E343	ACA	ACA-AHU-8	10	WATER	1280	450	17.8	53	90	180	140	0.5"	6"	DDC	24			
VAV-157	E306, E307	ACA	ACA-AHU-8	6	WATER	150	150	3.6	53	90	180	140	0.5"	6"	DDC	24			
VAV-158	E308, E309	ACA	ACA-AHU-8	6	WATER	175	175	4.2	53	90	180	140	0.5"	6"	DDC	24			
VAV-159	F351, F391, F392, F393	ACA	ACA-AHU-8	8	WATER	620	470	11.2	53	90	180	140	0.5"	6"	DDC	24			
VAV-160	F354	ACA	ACA-AHU-8	6	WATER	205	90	3.1	53	90	180	140	0.5"	6"	DDC	24			
VAV-161	F383, F364	ACA	ACA-AHU-8	6	WATER	280	280	6.7	53	90	180	140	0.5"	6"	DDC	24			
VAV-162	F355, F356	ACA	ACA-AHU-8	6	WATER	350	150	5.5	53	90	180	140	0.5"	6"	DDC	24			
VAV-163	F357	ACA	ACA-AHU-8	6	WATER	340	245	5.9	53	90	180	140	0.5"	6"	DDC	24			
VAV-164	F365	ACA	ACA-AHU-8	6	WATER	100	100	2.4	53	90	180	140	0.5"	6"	DDC	24			
NOTES:																			
1. REQUIRED VAV, MUST BE INSTALLED REGARDLESS OF ACCEPTED OR DECLINED ALTERNATES.																			