

HVAC DESIGN DATA						
OUTDOOR DESIGN TEMPERATURES	{	96 (35.6) *F (*C) Db SUMMER	DESIGN ALTITUDE: 312 (304.8) FT. (MM)			
		77 (25) *F (*C) Wb SUMMER				
		20 (-6.7) *F (*C) Db WINTER				
INDOOR AREA DESIGN CONDITIONS	SUMMER		WINTER			
	Db *F (*C)	% HUMIDITY	Db *F (*C)	% HUMIDITY		
	GENERAL OFFICE/TREATMENT/ EXAM ROOMS	78 (25.6)	30-60	68 (20)	30-60	
	TRAINING/CONFERENCE/RECEPTION/ECG/ MCC/CONSULT/WORKROOMS/CLASSROOMS/ LOW VISION ADS/TRAINING/APPL. FITTING ROOMS/ CUBICLE WORKSTATION/PATIENT EDUCATION	78 (25.6)	30-60	70 (21.1)	30-60	
	EXISTING STANDPIPE ROOM	-	-	50 (10)	-	

ZONE 'A' HVAC LOAD DATA SUMMARY SCHEDULE																				
HVAC System Data				Room Data				Required Airflows												
HVAC System No.	YAV Zone No.	Building Floor	Room Number	DoD Room Code	Description	Floor Area	Ceiling Height	Finish Volume	Air Release T199 (B)	Supply				Exhaust				Internal Loads		
										Min. Air Change SMC HDBK 119	Design Air Flow cfm	OA Change HDBK 1199	Min. Design cfm	Min. EX Air Change SMC HDBK 119	Design EX cfm	INTERMED. FUTURE	Number	Equipment		
						Ft ²	Feet	Ft ³	(BL)	(AC)	cfm	(OA)	cfm	cfm	(EX)	cfm	cfm	Number	Tot. Watts	
AHU-02	001	E	E159EX1	0FA02	BIO-ENVIR ENG TECHS	345.0	8	2760.0	0	4.0	184	1200	1.0	46	140	0.0	0	7	400 1085 0	
AHU-02	002	E	E159H	0FA01	ADMIN OFFICE	546.0	8	4368.0	0	4.0	291	1800	1.0	73	75	0.0	0	3	1200 485 275	
AHU-02	002	E	E160	0FA01	ADMIN OFFICE	100.0	8	880.0	0	4.0	59	270	1.0	15	20	0.0	0	1	200 155 275	
AHU-02	002	E	E162	0FA01	FLIGHT CHIEF	154.0	8	1232.0	0	4.0	82	275	1.0	21	25	0.0	0	1	200 155 275	
AHU-02	003	E	E163	0FA02	ADMIN OFFICE	105.0	8	840.0	0	4.0	58	115	1.0	14	20	0.0	0	1	200 155 275	
AHU-02	003	E	E164	CORRA	CORRIDOR	70.0	8	560.0	0	4.0	37	40	1.0	9	10	0.0	0	0	200 0 0	
AHU-02	045	E	E165	CORR	ELECTRIC CLOSET	52.5	8	420.0	0	4.0	28	30	1.0	7	10	0.0	0	0	100 29.30 90.0	
AHU-02	003	E	E166	CORR	COMM. CLOSET	89.7	8	717.5	0	4.0	48	50	1.0	12	15	0.0	0	0	200 0 0	
AHU-02	006	E	E168C	CORR	PUBLIC CORRIDOR(CENT)	192.0	8	1536.0	0	4.0	102	225	1.0	26	30	0.0	0	0	300 0 0	
AHU-02	006	E	E168E	CORR	PUBLIC CORRIDOR(EAST)	169.0	8	1352.0	0	4.0	86	200	1.0	22	25	0.0	0	0	300 0 0	
AHU-02	006	E	E168W	CORR	PUBLIC CORRIDOR (WEST)	81.4	8	651.0	0	4.0	43	225	1.0	11	15	0.0	0	0	100 0 0	
AHU-02	004	E	E169	SLO01	STAFF LOUNGE	255.8	8	2046.0	0	5.0	171	820	1.0	34	120	0.0	0	6	300 50 275	
AHU-02	005	E	E170	CRA01	TRAINING / CONFERENCE	302.3	9	2720.3	0	6.0	272	400	*	300	300	0.0	0	15	600 155 300	
AHU-02	006	E	E171	UC01	EQUIPMENT STORAGE	99.4	8	795.0	*	4.0	53	135	1.0	13	15	0.0	0	0	200 155 275	
AHU-02	007	E	E172 Ext.	LW01A	LAB	60.7	9	546.0	-	6.0	55	320	2.0	18	20	0.0	0	2	100 310 450	
AHU-02	007	E	E172 Int.			120.0	9	1080.0	-	6.0	108	320	2.0	36	40	0.0	0	2	200 275 1250	
AHU-02	007	E	E172A		RADIOACTIVE STORAGE	48.0	8	384.0	0	4.0	26	30	1.0	6	10	0.0	0	0	100 0 0	
AHU-02	006	E	E173	TLTF3	STAFF TOILET/SHOWER, F	96.4	8	771.6	EX	10.0	129	150	1.5	19	20	10.0	129	150	0	120 0 0
AHU-02	006	E	E174	TLTF0	STAFF TOILET/SHOWER, M	96.4	8	771.6	EX	10.0	129	150	1.5	19	20	10.0	129	150	0	120 0 0
AHU-02	008	E	E175	CORRA	STAFF PASS	60.0	8	480.0	0	4.0	32	40	1.0	8	10	0.0	0	0	100 0 0	
AHU-02	008	E	E176	0FA01	DOCTORS OFFICE	193.5	8.5	1644.8	0	4.0	110	125	1.0	27	40	0.0	0	2	300 310 275	
AHU-02	008	E	E177	0FA01	DOCTORS OFFICE	193.5	8.5	1644.8	0	4.0	110	125	1.0	27	40	0.0	0	2	300 310 275	
AHU-02	008	E	E178EXT	TREN1	ENT TREATMENT	155.0	8.5	1317.5	0	4.0	88	170	2.0	14	14	0.0	0	2	400 155 150	
AHU-02	008	E	E178INT	USCL1	SOILED UTIL / TRASH	25.0	8.5	212.5	0	4.0	14	0	2.0	7	10	0.0	0	0	0 0 0	
AHU-02	008	E	E179	USCL1	SOILED UTIL / TRASH	42.8	8.5	363.4	-	4.0	26	40	1.0	6	10	0.0	0	0	100 36 0	
AHU-02	009	E	E180EXT	TRGM1	TREATMENT ROOM	155.0	8.5	1317.5	0	6.0	132	170	2.0	44	40	0.0	0	2	400 155 150	
AHU-02	009	E	E180INT			25.0	8.5	212.5	0	6.0	21	0	2.0	7	10	0.0	0	0	0 0 0	
AHU-02	009	E	E181 Ext.	WRC01	ALLERGY INJECT/HOLD	82.8	8	662.4	0	6.0	130	210	1.0	43	45	0.0	0	2	400 0 0	
AHU-02	009	E	E181 Int.			47.5	8	380.0	0	6.0	38	0	2.0	13	15	0.0	0	2	100 0 0	
AHU-02	009	E	E181A	PEWMA	SCREENING ROOM	87.0	8	696.0	0	4.0	48	115	1.0	12	40	0.0	0	2	200 155 275	
AHU-02	009	E	E182	XXXXA	EXISTING & NEW STANDPIPE ROOM	226.7	8	1813.3	-	0	30			0	0	0	0	0	0 0 0	
AHU-02	010	E	E183	WRC01	WAITING AREA	352.0	9	3168.0	0	6.0	317	510	1.0	53	440	0.0	0	14	200 50 275	
AHU-02	011	E	E184	RECP1	RECEPTION	156.0	8.5	1326.0	0	4.0	88	200	1.0	22	40	0.0	0	2	200 384 65	
AHU-02	012	E	E185	0FA02	TECH WORKSTATIONS	117.0	8	936.0	0	4.0	62	175	1.0	16	60	0.0	0	3	200 310 275	
AHU-02	012	E	E186	0FA01	EXAM / SKIN TESTING	117.0	9	1053.0	0	4.0	70	90	2.0	35	35	0.0	0	2	200 155 50	
AHU-02	012	E	E187	EXRG1	EXAM ROOM	117.0	8.5	994.5	0	4.0	68	90	2.0	33	35	0.0	0	2	200 155 50	
AHU-02	012	E	E188	EXRG1	EXAM ROOM	117.0	8.5	994.5	0	4.0	68	90	2.0	33	35	0.0	0	2	200 155 50	
AHU-02	012	E	E189	EXRG1	EXAM ROOM	117.0	8.5	994.5	0	4.0	68	90	2.0	33	35	0.0	0	2	200 155 50	
AHU-02	012	E	E190	EXRG1	EXAM ROOM	117.0	8.5	994.5	0	4.0	68	90	2.0	33	35	0.0	0	2	200 155 50	
AHU-02	012	E	E191	UC01	CLEAN UTILITY	139.8	9	1257.9	*	4.0	84	85	1.0	21	25	0.0	0	0	200 0 0	
AHU-02	009	E	E192N	CORR	CORR (NORTH)	208.0	8	1664.0	0	4.0	138	110	1.0	34	40	0.0	0	1	400 0 0	
AHU-02	008	E	E192S	CORR	CORR (SOUTH)	150.0	8	1200.0	0	4.0	80	110	1.0	20	20	0.0	0	0	300 0 0	
AHU-02	013	E	E193	0FA01	CHIEF OFFICE	130.5	8	1044.0	0	4.0	70	130	1.0	17	20	0.0	0	1	300 155 275	
AHU-02	013	E	E194	0FA02	ADMIN OFFICE	83.4	8	674.6	0	4.0	50	110	1.0	12	15	0.0	0	1	200 155 275	
AHU-02	013	E	E195	0FA02	SME TECHS	128.9	8	1031.1	0	4.0	69	190	1.0	17	60	0.0	0	3	300 465 275	
AHU-02	014	E	E196	TLTF1	STAFF TOILET F	50.6	8	404.8	EX	10.0	67	75	0.0	0	10.0	67	75	0	120 0 0	
AHU-02	014	E	E197	TLTF1	STAFF TOILET M	50.6	8	404.8	EX	10.0	67	75	0.0	0	10.0	67	75	0	120 0 0	
AHU-02	014	E	E198	USCL1	SOILED UTIL / TRASH	74.1	8.5	629.9	-	6.0	63	55	1.0	10	10	0.0	0	0	100 0 0	
AHU-02	014	E	E199	USCL1	CLEAN UTILITY	74.1	8.5	629.9	-	6.0	63	55	1.0	10	10	0.0	0	0	100 0 0	
AHU-02	015	E	E200	TLTF1	PUBLIC TOILET F	58.0	8	464.0	EX	10.0	77	80	0.0	0	10.0	77	80	0	120 0 0	
AHU-02	015	E	E201	TLTF1	PUBLIC TOILET M	96.7	8	773.3	EX	10.0	129	150	0.0	0	10.0	129	150	0	120 0 0	
AHU-02	015	E	E202	WRC01	WAITING AREA	188.0	9	1692.0	0	6.0	169	240	1.0	28	240	0.0	0	11	200 50 275	
AHU-02	014	E	E203INT	BRIT1	ISOLATION INTER. STA	148.5	8	1188.0	-	12.0	238	300	2.0	40	40	0.0	0	0	400 155 50	
AHU-02	014	E	E203EXT			36.0	8	288.0	0	4.0	20	10	1.0	5	10	0.0	0	0	100 0 0	
AHU-02	014	E	E204A	TLTF2	TOILET	55.0	8	440.0	EX	10.0	73	75	0.0	0	10.0	73	75	0	120 0 0	
AHU-02	014	E	E204N	CORR	CORR (NORTH)	144.0	8	1152.0	0	4.0	77	100	1.0	19	20	0.0	0	0	300 0 0	
AHU-02	017	E	E204S	CORR	CORR (SOUTH)	228.0	8	1824.0	0	4.0	122	100	1.0	30	30	0.0	0	0	300 0 0	
AHU-02	016	E	E205	SECO1	SECRETARY / WAITING	135.7	8	1085.3	0	4.0	72	135	1.0	18	20	0.0	0	1	200 155 275	
AHU-02	017	E	E206	ORCS1	CONFERENCE ROOM	198.0	8.5	1683.0	0	6.0	168	260	*	195	195	0.0	0	9	400 50 250	
AHU-02	018	E	E207	0FA01	DOCTORS OFFICE	110.0	8.5	935.0	0	4.0	62	100	1.0	16	20	0.0	0	1	200 155 275	
AHU-02	018	E	E208	EXRG1	EXAM ROOM	110.0	8.5	935.0	0	4.0	62	90	2.0	31	30	0.0	0	2	200 155 50	
AHU-02	018	E	E209	EXRG1	EXAM ROOM	110.0	8.5	935.0	0	4.0	62	90	2.0	31	30	0.0	0	2	200 155 50	
AHU-02	018	E	E210	EXRG1	EXAM ROOM	115.5	8.5	981.8	0	4.0	65	80	2.0	33	35	0.0	0	2	200 155 50	
AHU-02	020	E	E211	SRS01	EQUIPMENT	63.3	9	569.3	0	4.0										