

ROOM AIR TABLE HEADINGS DESCRIPTIONS:

Air Balance

+ ROOM EXHAUST AND/OR RETURN IS 10% LESS THAN SUPPLY.
0 ROOM EXHAUST AND/OR RETURN IS EQUAL TO SUPPLY.
- ROOM EXHAUST AND/OR RETURN IS 10% MORE THAN SUPPLY.

Air Changes - IS THE MINIMUM TOTAL AIR CHANGES PER HOUR
EQUIRED TO MEET VENTILATION REQUIREMENTS AT DESIGN CONDITIONS.
THESE RATES ARE CONSIDERED THE MINIMUM REQUIRED FOR NORMAL
HEALTH AND COMFORT CONSIDERATION.

Outside Air - IS THE MINIMUM OUTSIDE AIR CHANGES PER
HOUR REQUIRED TO MEET VENTILATION REQUIREMENTS AT
DESIGN CONDITIONS.
"NI" INDICATES THAT THE QUANTITY IS NOT INDICATED IN THE UFC
OR ASHRAE 92.1.

Area - IS THE ACTUAL AREA OF THE ROOM BEING CONSIDERED
AND WAS USED TO DETERMINE THE TOTAL VOLUMES OF AIR
REQUIRED AS PER THE UFC REQUIREMENTS.

CFM Min. - IS THE MINIMUM CUBIC FEET OF SUPPLY AIR THAT
MUST BE SUPPLIED TO THE SPACE PER MINUTE TO MEET THE
MINIMUM AIR CHANGES PER HOUR AS SET FORTH BY THE UFC AND
AS INDICATED IN THIS TABLE.

OA Min. - IS THE MINIMUM CUBIC FEET OF OUTSIDE FRESH AIR
THAT MUST BE SUPPLIED TO THE SPACE PER MINUTE TO MEET
THE MINIMUM AIR CHANGES PER HOUR AS SET FORTH BY THE UFC
AND AS INDICATED IN THIS TABLE. THIS ARE IS A PORTION OF THE
CFM MIN. NOTED ABOVE.

CFM Supply - IS THE ACTUAL QUANTY OF AIR IN CFM THAT
CAN BE SUPPLIED TO THE SPACE BY THE EXISTING AIR
DISTRIBUTION DUCT SYSTEMS.

CFM Return - IS THE ACTUAL QUANTY OF AIR IN CFM THAT
CAN BE RETURNED FROM THE SPACE BY THE EXISTING AIR
DISTRIBUTION DUCT SYSTEMS.

CFM Exhaust - IS THE ACTUAL QUANTY OF AIR IN CFM THAT
CAN BE EXHAUSTED FROM THE SPACE BY THE EXISTING AIR
DISTRIBUTION DUCT SYSTEMS.

Summer Temp - INTERIOR DESIGN TEMPERATURE
INDICATED IN DEGREES FAHRENHEIT (F). FOR HEAT GAINS
CALCULATIONS. WHEN COOLING IS REQUIRED DURING WINTER,
SUCH AS IN INTERIOR ZONES, TEMPERATURE LISTED UNDER
SUMMER CONDITIONS SHOULD BE USED. THE INDICATED
TEMPERATURES ARE MINIMUM ALLOWABLE TEMPERATURES. IF AN
EXACT TEMPERATURE IS NOT NOTED THEN THE SPACE NEEDS TO
BE KEPT WITHIN THE INDICATED RANGE.

Winter Temp - INTERIOR DESIGN TEMPERATURE INDICATED
IN DEGREES FAHRENHEIT (F). FOR HEAT LOSE CALCULATIONS.
TEMPERATURE IS MAXIMUM TEMPERATURE ALLOWED IN SPACE
PER UFC GUIDELINES.

Relative Humidity - IS THE RELATIVE HUMIDITY RANGE
THAT THE SPACE IS TO BE PROVIDED. NOTE THAT THERE ARE NO
AREAS IN THIS REVIEW THAT REQUIRE HUMIDITY LEVELS
DIFFERENT FROM THE STANDARD UFC REQUIRED HUMIDITY.

Filtration Intermediate - INDICATES WHEN A SPACE IS
REQUIRED TO BE PROVIDED WITH A MECHANICAL SYSTEM THAT
PROVIDES FOR INTERMEDIATE FILTRATION IN ADDITION TO THE
RETURN AND OUTSIDE AIR FILTRATIONS. FILTER EFFICIENCIES
NOTED HERE ARE IN ACCORDANCE WITH THE MINIMUM
EFFICIENCY REPORTING VALUE (MERV) RATINGS OF ASHRAE
STANDARD 52.2. FILTERS WITH A MERV RATING OF 8 SHALL BE
PROVIDED FOR ALL OUTDOOR AND RETURN AIR. THESE FILTERS
SHALL BE LOCATED UPSTREAM OF AIR-CONDITIONING EQUIPMENT.
INTERMEDIATE FILTERS INDICATED IN THIS COLUMN SHALL BE
LOCATED DOWNSTREAM OF THE SUPPLY FAN. FINAL FILTERS
WHEN REQUIRED SHALL BE LOCATED AT AIR OUTLETS OR IN
CLOSE PROXIMITY TO OUTLETS. ALL FILTERS WILL BE INSTALLED
TO PREVENT LEAKAGE BETWEEN THE FILTER SEGMENTS AND
BETWEEN THE FILTER AND ITS SUPPORTING FRAME. "NR"
INDICATES THAT THERE IS NO REQUIREMENT FOR THIS FILTRATION
LEVEL IN THE INDICATED SPACE.

Filtration Final - INDICATES WHEN A SPACE IS REQUIRED
TO BE PROVIDED WITH A MECHANICAL SYSTEM THAT PROVIDES
FOR FINAL HIGH EFFICIENCY FILTRATION IN ADDITION TO THE
RETURN AND OUTSIDE AIR FILTRATIONS. NOTE THAT THERE ARE
NO SPACES REQUIRING FINAL FILTRATION SERVED BY ANY OF THE
SYSTEMS BEING CONSIDERED IN THIS REVIEW. "NR" INDICATES
THAT THERE IS NO REQUIREMENT FOR THIS FILTRATION LEVEL IN
THE INDICATED SPACE.

Exhaust - INDICATES IS THE SPACE IS TO BE PROVIDED WITH
POSITIVE EXHAUST. "NR" INDICATES THAT THERE IS NO SPECIFIED
REQUIREMENT FOR EXHAUST FROM THE SPACE REQUIRED BY THE
UFC.

Department	Room Number	Room Name	Room Code	Air Balance	Air Changes	Outside Air	Area	CFM Min.	OA Min.	CFM Supply	CFM Return	CFM Exhaust	Summer Temp	Winter Temp	Relative Humidity	Filtration Intermediate	Filtration Final	Exhaust	Note - HVAC	Note - HVAC 2
DENTAL HEALTH	B-200	CORRIDOR		NI	NI	NI	100	100	0	50	0	0	75F - 78F	68F MAX	30-60%	NR	NR	NR	See note #4	
DENTAL HEALTH	B-201	DTR SUPPORT	SRS01	0	4	1	150	90	23	140	140	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-202	OFFICE	OFA02	0	4	1	106	64	16	135	135	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-203	STORAGE	SRS01	0	4	1	25	15	4	0	0	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-204	TOILET	TLTU1	EX	10	-	23	35	35	0	0	55	75F - 78F	68F MAX	30-60%	NR	NR	Y		
DENTAL HEALTH	B-205	DECONTAMINATION	DNSC1	-	10	2	123	185	37	230	0	300	75	68F MAX	30-60%	MERV 14	NR	NR		
DENTAL HEALTH	B-206	DTR SUPPORT	SRS01	0	4	1	77	46	12	95	95	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-207	DENTAL TREATMENT ROOM	DNTG1	0	6	2	116	104	35	315	315	0	75	68F MAX	30-60%	MERV 14	NR	NR	See note #1	
DENTAL HEALTH	B-208	DENTAL TREATMENT ROOM	DNTG1	0	6	2	122	110	37	315	315	0	75	68F MAX	30-60%	MERV 14	NR	NR	See note #1	
DENTAL HEALTH	B-209	DENTAL TREATMENT ROOM	DNTG1	0	6	2	115	104	35	315	315	0	75	68F MAX	30-60%	MERV 14	NR	NR	See note #1	
DENTAL HEALTH	B-210	CORRIDOR					204	200	0	0	0	0	75F - 78F	68F MAX	30-60%	NR	NR	NR	See note #4	
DENTAL HEALTH	B-211	DENTAL TREATMENT ROOM	DNTG1	0	6	2	118	106	35	235	235	0	75	68F MAX	30-60%	MERV 14	NR	NR	See note #1	
DENTAL HEALTH	B-212	INSTRUMENT PROCESSING	DNSC2	+	6	2	321	289	96	385	190	200	75	68F MAX	30-60%	MERV 14	NR	NR		
DENTAL HEALTH	B-213	LOBBY			6	1	210	189	32	110	110	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-214	CORRIDOR		NI	NI	NI	90	90	0	50	0	0	75F - 78F	68F MAX	30-60%	NR	NR	NR	See note #4	
DENTAL HEALTH	B-215	DTR SUPPORT	SRS01	0	4	1	21	13	3	140	140	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-216	OFFICE	OFA02	0	4	1	107	64	16	135	135	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-217	STORAGE	SRS01	0	4	1	25	15	4	0	0	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-218	TOILET	TLTU1	EX	10	-	25	38	38	0	0	55	75F - 78F	68F MAX	30-60%	NR	NR	Y		
DENTAL HEALTH	B-219	DENTAL TREATMENT ROOM	DNTG1	0	6	2	118	106	35	235	235	0	75	68F MAX	30-60%	MERV 14	NR	NR	See note #1	
DENTAL HEALTH	B-220	CORRIDOR		NI	NI	NI	313	250	0	0	0	0	75F - 78F	68F MAX	30-60%	NR	NR	NR	See note #4	
DENTAL HEALTH	B-221	DENTAL TREATMENT ROOM	DNTG1	0	6	2	118	106	35	315	315	0	75	68F MAX	30-60%	MERV 14	NR	NR	See note #1	
DENTAL HEALTH	B-222	DENTAL TREATMENT ROOM	DNTG1	0	6	2	117	105	34	315	315	0	75	68F MAX	30-60%	MERV 14	NR	NR	See note #1	
DENTAL HEALTH	B-223	DENTAL TREATMENT ROOM	DNTG1	0	6	2	120	108	36	315	315	0	75	68F MAX	30-60%	MERV 14	NR	NR	See note #1	
DENTAL HEALTH	B-224	DTR SUPPORT	SRS01	0	4	1	46	28	7	95	0	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-225	DENTAL TREATMENT ROOM	DNTG1	0	6	2	135	122	41	235	235	0	75	68F MAX	30-60%	MERV 14	NR	NR	See note #1	
DENTAL HEALTH	B-226	OFFICE	OFA02	0	4	1	156	94	23	225	225	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-228	WAITING	WRC01	0	6	1	250	225	38	165	165	0	75F - 78F	68F MAX	30-60%	MERV 14	NR	NR		
DENTAL HEALTH	B-228A	FEMALE TOILET	TLTF2	EX	10	-	165	248	248	0	0	450	75F - 78F	68F MAX	30-60%	NR	NR	Y		
DENTAL HEALTH	B-229	RECEPTION	RECP1	0	4	1	464	278	70	340	340	0	75F - 78F	70F MAX	30-60%	MERV 14	NR	NR		
DENTAL HEALTH	B-231	WAITING	WRC01	0	6	1	260	234	39	150	150	0	75F - 78F	68F MAX	30-60%	MERV 14	NR	NR		
DENTAL HEALTH	B-233	CORRIDOR		NI	NI	NI	200	200	0	115	120	0	75F - 78F	68F MAX	30-60%	NR	NR	NR	See note #4	
DENTAL HEALTH	B-234	OFFICE	OFA02	0	4	1	109	65	16	150	150	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-235	DTR SUPPORT	SRS01	0	4	1	55	33	8	95	70	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-236	DTR SUPPORT	SRS01	0	4	1	52	31	8	0	70	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-237	OFFICE	OFA02	0	4	1	123	74	18	190	190	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-238	TOILET	TLTU1	EX	10	-	25	38	38	0	0	60	75F - 78F	68F MAX	30-60%	NR	NR	Y		
DENTAL HEALTH	B-239	DENTAL TREATMENT ROOM	DNTG1	0	6	2	132	119	40	280	280	0	75	68F MAX	30-60%	MERV 14	NR	NR	See note #1	
DENTAL HEALTH	B-240	DENTAL TREATMENT ROOM	DNTG1	0	6	2	135	122	41	260	260	0	75	68F MAX	30-60%	MERV 14	NR	NR	See note #1	
DENTAL HEALTH	B-241	DENTAL TREATMENT ROOM	DNTG1	0	6	2	134	121	40	260	260	0	75	68F MAX	30-60%	MERV 14	NR	NR	See note #1	
DENTAL HEALTH	B-242	DENTAL TREATMENT ROOM	DNTG1	0	6	2	132	119	40	260	260	0	75	68F MAX	30-60%	MERV 14	NR	NR	See note #1	
DENTAL HEALTH	B-243	DENTAL TREATMENT ROOM	DNTG1	0	6	2	132	119	40	260	260	0	75	68F MAX	30-60%	MERV 14	NR	NR	See note #1	
DENTAL HEALTH	B-244	STORAGE	SRS01	0	4	1	33	20	5	0	0	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-245	TOILET	TLTU1	EX	10	-	35	53	53	0	0	80	75F - 78F	68F MAX	30-60%	NR	NR	Y		
DENTAL HEALTH	B-246	WAITING	WRC01	0	6	1	200	180	30	105	105	0	75F - 78F	68F MAX	30-60%	MERV 14	NR	NR		
DENTAL HEALTH	B-247	OFFICE	OFA02	0	4	1	194	116	29	250	250	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-248	OFFICE	OFA02	0	4	1	170	102	26	215	215	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
DENTAL HEALTH	B-249	OFFICE	OFA02	0	4	1	114	68	17	165	165	0	75F - 78F	68F MAX	30-60%	NR	NR	NR		
INFORMATION SYSTEMS	B-250	COMMUNICATIONS	COMC1	+	1	-	43			200	180	0	75F - 78F	68F MAX	30-60%	NR	NR	NR	See note #3	
COMMON AREAS	B-251	MALE TOILET	TLTM2	EX	10	-	133	200	200	0	0	250	75F - 78F	68F MAX	30-60%	NR	NR	Y		
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AREAS SERVED BY AHU-V
CONTINUED

1. WHEN THE USING SERVICE INTENDS THE ROUTINE USAGE OF NITROUS OXIDE IN THE DTR, ROUTINE BEING
DEFINED AS EXCEEDING 5 HOURS PER WEEK, THE FOLLOWING CRITERIA SHALL APPLY:
- DTR ROOM AIR CHANGES SHALL BE NOT LESS THAN 12 TOTAL AC/H.
- THE ROOM SHALL BE TOTALLY EXHAUSTED.
- PROVIDE A MINIMUM OF ONE LOW-LEVEL EXHAUST REGISTER, SIZED TO REMOVE A MINIMUM OF 20% OF THE
TOTAL ROOM EXHAUST VOLUME.
- DURING PERIOD OF NON-USE, AIR CHANGE RATE MAY BE REDUCED TO 5 TOTAL AC/H. POSITIVE
PRESSURIZATION SHALL BE MAINTAINED.

2. NOTE THAT THIS SPACE IS PROVIDED WITH A SEPARATE AND DEDICATED HVAC SYSTEM.



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									APP'D
									BY
									Date
									Revision/Issue
									No.

PROJECT TITLE REPAIR & RENOVATE MEDICAL CLINIC PH V LITTLE ROCK AIR FORCE BASE JACKSONVILLE, ARKANSAS CHANGE ORDER TO PHASE V - 100% SUBMITTAL	SHEET TITLE SECOND FLOOR AREAS SERVICED BY AHU-V AIR BALANCE DATA	DRAWN BY GMT	LEAD DESIGNER GMT
		TECH REVIEWER	PROJECT NUMBER NKAK#06-8006-5
		DESIGNED BY GMT	SHEET
		DATE DEC. 3, 2010	M-305
SCALE AS SHOWN			15 of 21

AS-BUILT