

VAV BOX SCHEDULE												
CODE (VAV)	AREA SERVED	MANUFACTURER/ MODEL NO.	CONTROL	DESIGN (CFM)		CAPACITY		MAX. NC @ BOX MAX.	INLET SIZE	OUTLET SIZE	REMARKS	
				MAX	MIN	BOX LIMIT	MIN					
1-1	COACH LOCKER ROOM - MENS	TITUS DESV 7	DDC	450	135	650	70	25	7	12 x 10	-	
1-2	COACH LOCKER ROOM - WOMENS	TITUS DESV 7	DDC	450	135	650	70	25	7	12 x 10	-	
1-3	MBB LOCKER ROOM	TITUS DESV 7	DDC	500	150	650	70	25	7	12 x 10	-	
1-4	WBB LOCKER ROOM	TITUS DESV 7	DDC	500	150	650	70	25	7	12 x 10	-	
1-5	ALL- GENDER LOCKER ROOM - WEST	TITUS DESV 5	DDC	100	30	350	40	25	5	#N/A	-	
1-6	ALL- GENDER LOCKERROOM EAST	TITUS DESV 5	DDC	100	30	350	40	25	5	#N/A	-	
1-7	PANTRY 1	TITUS DESV 6	DDC	300	90	500	45	25	6	12 x 8	-	
1-8	CORRIDOR MENS	TITUS DESV 6	DDC	400	120	500	45	25	6	12 x 8	-	
1-9	CORRIDOR WOMENS	TITUS DESV 7	DDC	500	150	650	70	25	7	12 x 10	-	
1-10	MBB LOUNGE	TITUS DESV 8	DDC	700	210	900	90	25	8	12 x 10	-	
1-11	WBB LOUNGE	TITUS DESV 8	DDC	700	210	900	90	25	8	12 x 10	-	
1-12	RECOVERY	TITUS DESV 5	DDC	290	195	350	40	25	5	#N/A	-	
1-13	MBB RECOVERY	TITUS DESV 6	DDC	350	265	500	45	25	6	12 x 8	-	
1-14	WBB RECOVERY	TITUS DESV 6	DDC	350	265	500	45	25	6	12 x 8	-	
1-15	CARDIO - MENS	TITUS DESV 5	DDC	230	69	350	40	25	5	#N/A	-	
1-16	CARDIO - WOMENS	TITUS DESV 5	DDC	230	69	350	40	25	5	#N/A	-	
1-17	STRENGTH TRAINING CLERESTORY	TITUS DESV 12	DDC	1600	480	2000	190	25	12	16 x 15	-	
1-18	STRENGTH TRAINING	TITUS DESV 12	DDC	1230	980	2000	190	25	12	16 x 15	-	
1-19	OFFICE 2, WOMENS FILM EDITOR	TITUS DESV 5	DDC	100	100	350	40	25	5	#N/A	-	
1-20	WOMENS FILM ROOM	TITUS DESV 5	DDC	150	150	350	40	25	5	#N/A	-	
1-21	HYDROTHERAPY, OFFICE 7, OFFICE 6, OFFICE 1	TITUS DESV 6	DDC	430	430	500	45	25	6	12 x 8	-	
1-22	OFFICE 3, OFFICE 4	TITUS DESV 5	DDC	100	100	350	40	25	5	#N/A	-	
1-23	MENS FILM EDITOR, MENS FILM ROOM	TITUS DESV 5	DDC	200	200	350	40	25	5	#N/A	-	
2-1	2-OFFICE 1-2, PANTRY	TITUS DESV 7	DDC	515	515	650	70	25	7	12 x 10	-	
2-2	2-OFFICE 9-11, CONF-1, MBB HC, COPY/PRINT, GA-1, MENS...	TITUS DESV 7	DDC	500	500	650	70	25	7	12 x 10	-	
2-3	2-OFFICE 12-14, CONF-2, WBB HC, COPY/PRINT, GA-2, WOMENS...	TITUS DESV 7	DDC	500	500	650	70	25	7	12 x 10	-	
2-4	2-LOBBY, RECEPTION, RECEPTION CORRIDOR, OFFICE 15-17	TITUS DESV 5	DDC	330	330	350	40	25	5	12 x 8	-	
GENERAL NOTES: 1. CONTROLS SHALL BE BY CONTROL MANUFACTURER. 2. MOUNT WITH 4 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX. 3. MAXIMUM NC LEVELS ARE RADIATED SOUND DATA AND BASED ON AN INLET VELOCITY OF 2000 FPM AND AT A PRESSURE DROP ACROSS THE BOX OF 1.0". 4. UPON POWER FAILURE, ACTUATOR SHALL MODULATE TO DESIGN AIRFLOW. 5. PROVIDE ALL VAV BOXES WITH 1" FIREFREE LINING BY TITUS. 6. INTERLOCK ALL VAVS WITH AIR HANDING UNIT SERVING THE SPACE. 7. PROVIDE ALL VAVS WITH FACTORY MOUNTED AIR FLOW SWITCH. 8. PROVIDE ALL VAVS WITH A LOCAL 1-POLE, TOGGLE STYLE DISCONNECT SWITCH, BY THE E.C. 9. PROVIDE EACH VAV WITH (1) DEDICATED WALL MOUNTED TEMPERATURE SENSOR WIRED TO BASE BUILDING BMS. 10. PROVIDE LAMINATED TAG FOR ALL VAV BOXES AFTER INSTALLATION. 11. PROVIDE ALL VAVS INSTALLED ABOVE HARD CEILINGS WITH 24X24 ACCESS DOOR TO MAINTAIN REQUIRED ACCESS TO VAV CONTROL BOX. REMARK NOTES NOT USED.												

FAN SCHEDULE																				
GENERAL										FAN DATA				ELECTRICAL DATA						
CODE	MANUFACTURER/ MODEL NO	SERVICE	LOCATION	MTG	CONTROL	WEIGHT LBS	CFM	DRIVE	MOTOR RPM	ESP (W/C)	BHP	HP	VOLT	PH	HZ	FLA	DISC	FUSE	FEEDER SIZE	REMARKS
EF 2-1	GREENHECK/CUE-100HP-VG	HYDROTHERAPY	ROOF	I	I	93	550	D	1856	0.85	0.20	1/2	277	1	60	3.25	30	15	2#12,1#12G IN 3/4"	A
GENERAL NOTES:																				
1. DRIVE TYPE: D=DIRECT-PROVIDE ELECTRONICALLY COMMUTATED MOTOR UNLESS OTHERWISE NOTED.																				
2. SCHEDULED FAN VALUES (CFM, SP AND HP) ARE ACTUAL AT ALTITUDE. MOTOR HP HAS BEEN ADJUSTED FROM SEA LEVEL CONDITIONS FOR OPERATION AT JOBSITE ELEVATION.																				
3. PROVIDE MAGNETIC STARTER WITH AUXILIARY CONTACTS AND HOA SWITCH ON ALL THREE PHASE UNITS EXCEPT WHEN SERVED FROM MOTOR CONTROL CENTER.																				
4. PROVIDE PREMIUM EFFICIENCY MOTORS. PER NEMA STANDARD MG1-2003, TABLES 12-12, AND 12-13.																				
5. ALL FANS WITH 1 HP MOTORS OR LARGER SHALL HAVE A FAN ENERGY INDEX (FEI) OF NOT LESS THAN 1.00 AT THE HIGHEST DESIGN AIRFLOW RATE.																				
6. PROVIDE FLEXIBLE CONNECTIONS AT DUCT INLET AND OUTLET.																				
7. ALL EXTERIOR DISCONNECTS SWITCHES SHALL BE NEMA 4X TYPE.																				
8. PROVIDE MOTORIZED BACKDRAFT DAMPER.																				
9. REFER TO CONTROL DRAWINGS FOR ADDITIONAL FAN CONTROL REQUIREMENTS.																				
10. PROVIDE VARI-GREEN HOA TO CONTROL MOTOR.																				
MOUNTING (MTG)																				
1. PROVIDE WITH FACTORY MANUFACTURED 14" HIGH ROOF HINGED CURB SUITABLE FOR ROOFING SYSTEM BEING USED. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.																				
CONTROL (CTRL)																				
1. RUN CONTINUOUSLY, CONTROL VIA DDC SYSTEM.																				
REMARK NOTES																				

DRYER EXHAUST FAN SCHEDULE																						
GENERAL										FAN DATA				ELECTRICAL DATA								
CODE (DEK)	MANUFACTURER/ MODEL NO.	SERVICE 1ST FLOOR EQUIPMENT	LOCATION	MTG	CONTROL	WEIGHT LBS	ACTUAL CFM	BALANCED CFM	DRIVE	MOTOR RPM	ESP ("WC)	BHP	HP	VOLT	PH	HZ	MCA	MOCP	DISC	FUSE	FEEDER SIZE	REMARKS
2-1	LF SYSTEMS / LES008		ROOF	1	I	40	970	680	D	1950	1	0.47	3/4	120	1	60	2	15	30	15	3#12,1#12G IN 3/4"	
GENERAL NOTES																						
1. DRIVE TYPE: D=DIRECT-PROVIDE ELECTRONICALLY COMMUTATED MOTOR UNLESS OTHERWISE NOTED. B=BELT-PROVIDE ADJUSTABLE SHEAVE UNLESS OTHERWISE NOTED. VFD=VARIABLE FREQUENCY DRIVE.																						
2. PROVIDE UL LISTED SYSTEM SUITABLE FOR VENTING UNIT-LADEN AIR FROM DRYERS COMPLETE WITH MODULATING PRESSURE CONTROL, VFD, FLEXIBLE CONNECTIONS, AND PROVEN DRAFT SWITCH.																						
3. PROVIDE MAGNETIC STARTER WITH AUXILIARY CONTACTS AND HOA SWITCH ON ALL THREE PHASE UNITS EXCEPT WHEN SERVED FROM MOTOR CONTROL CENTER.																						
4. PROVIDE PREMIUM EFFICIENCY MOTORS. PER NEMA STANDARD MG1-2003, TABLES 12-12, AND 12-13.																						
5. ALL EXTERIOR DISCONNECTS SWITCHES SHALL BE NEMA 4X TYPE.																						
6. PROVIDE FLEXIBLE CONNECTIONS AT DUCT INLET AND OUTLET.																						
MOUNTING (MTG)																						
1. PROVIDE WITH FACTORY MANUFACTURED 14" HIGH HINGED ROOF CURB SUITABLE FOR ROOFING SYSTEM BEING USED. UNLESS OTHERWISE NOTED. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.																						
CONTROL (CTRL)																						
1. INTERLOCK WITH CLOTHES DRYER UNIT. FAN SHALL RUN WHEN DRYER IS OPERATING. MONITOR VIA DDC SYSTEM.																						
REMARK NOTES: NOT USED.																						

SPLIT SYSTEM / VRF AIR CONDITIONER SCHEDULE																				
CONDENSING UNIT										ELECTRICAL DATA										
CODE (CU)	MANUFACTURER/ MODEL NO.	CONDENSING		EER/SEER (HSPF)	COP	COOLING BTU/H	HEATING BTU/H	WEIGHT LBS.	VOLT	PH	HZ	RLA	MCA	MOCP	DISC	FEEDER		CU	REMARKS	
		LOCATION	TEMP (F)																	
1-1	DAIKIN / REYA72AAYDA	ROOF	95	11.9	-	56174	71588	525	460	3	60	6.9	14.9	20	30	3#12,1#12G IN 3/4"				
1-2	DAIKIN / REYA72AAYDA	ROOF	95	11.9	-	56174	71588	525	460	3	60	6.9	14.9	20	30	3#12,1#12G IN 3/4"				
1-3	DAIKIN / RXTA24AAVJU	ROOF	95	14.8/23.3	-	20375	24786	220	208	1	60	-	19.8	20	30	2#12,1#12G IN 3/4"				
1-4	DAIKIN / REYA192AAYDA	ROOF	95	9.2	-	153769	149584	972	460	3	60	-	30.7	35	30	2#12,1#12G IN 3/4"				
1-5	DAIKIN / RXTA24AAVJU	ROOF	95	14.8/23.3	-	20375	24786	220	208	1	60	-	19.8	20	30	3#10,1#10G IN 3/4"				
1-6	DAIKIN / RXTA24AAVJU	ROOF	95	14.8/23.4	-	20375	24786	220	208	1	60	-	19.8	20	30	2#12,1#12G IN 3/4"				
1-7	DAIKIN / REYA72AAYDA	ROOF	95	9.2	-	56260	71588	525	460	3	60	6.9	14.9	20	30	3#12,1#12G IN 3/4"				
1-8	DAIKIN / REYA66AAYDA	ROOF	95	9.2	-	76947	88116	725	460	3	60		17.5	20	30	3#12,1#12G IN 3/4"				
1-9	DAIKIN / REYA144AAYDA	ROOF	95	9.2	-	116151	120535	800	460	3	60	9.6	23.3	30	30	3#12,1#12G IN 3/4"				
1-10	DAIKIN / RXTA24AAVJU	ROOF	95	14.8/23.3	-	20816	25249	220	208	1	60	-	19.8	20	30	2#12,1#12G IN 3/4"				
1-11	DAIKIN / RXTQ48TBVJUB	ROOF	95	10.9	-	43310	39561	176.4	208	1	60	-	32.8	35	60	2#6,1#10G IN 3/4"				
GENERAL NOTES: 1. DRAIN COIL TO CONDENSATE PUMP IN DRAIN PAN. REFER TO DETAILS. 2. PROVIDE PREMIUM EFFICIENCY MOTORS FOR MOTORS 1 HP AND OVER PER NEMA STANDARD MG1. 3. CONTRACTOR TO MAINTAIN ALL MANUFACTURE SERVICE AND PERFORMANCE CLEARANCES. COORDINATE WITH ALL TRADES. 4. REFRIGERANT: R454B 5. WARRANTY: 1 YEAR PARTS, 7 YEARS COMPRESSOR 6. CONTRACTOR IS RESPONSIBLE FOR ALL ADDITIONAL MECHANICAL, ELECTRICAL, RIGGING, OR PHYSICAL ALTERATION COST REQUIRED BY A SUBSTITUTED PRODUCT, EVEN WITH ENGINEER APPROVAL. COST SAVINGS FOR THE SUBSTITUTE PRODUCT SHALL BE PROVIDED TO THE OWNER. 7. CHECK, TEST AND STARTUP SUPERVISION WITH INSTALLING CONTRACTOR AND MANUFACTURE TECHNICIAN. SUBMIT STARTUP LOGS TO ENGINEER FOR RECORD. 8. PROVIDE ISOLATION VALVES THROUGHOUT SYSTEM TO ASSIST IN FUTURE EVACUATION / CHARGING. COORDINATE LOCATIONS WITH DESIGN TEAM. PROVIDE FLEX CONNECTIONS AT CONDENSING UNIT. 9. PROVIDE A REMOTE BMS CONNECTION AND LOCAL TEMPERATURE SENSOR. BMS SHALL MONITOR ALL POINTS. PROVIDE BACNET GATEWAY COMPATIBLE WITH BUILDING BMS. 10. PROVIDE ALL REFRIGERANT PIPING BETWEEN CONDENSING UNIT AND EVAPORATOR. SIZE PER MANUFACTURER SPECIFICATIONS.																				
REMARK NOTES: A. PROVIDE EMERGENCY POWER TO THE UNIT. B. PROVIDE INLINE CHECK VALVE OR CONDENSATE TRAP IN CONDENSATE DRAIN PIPE FOR DUCTLESS MINI-SPLIT UNITS.																				

EXHAUST VAV BOX SCHEDULE												
CODE (EAV)	AREA SERVED	MANUFACTURER/ MODEL NO.	DESIGN (CFM)		BOX CAPACITY (CFM)		MAX. NC @ BOX MAX.	INLET SIZE	OUTLET SIZE	REMARKS		
		MIN	MAX	MIN.	MAX.							
1-1	MBB LOCKER SHOWERS / RR	PRICE / SDE 10	900	900	220	1350	25	10	14x13	-		
1-2	WBB LOCKER SHOWERS / RR	PRICE / SDE 10	900	900	220	1350	25	10	14x13	-		
1-3	1 - STRENGTH TRAINING	PRICE / SDE 14	2000	2000	390	2600	25	14	20x18	-		
1-4	1 - JAN 141, ALL GENDER RR 140	PRICE / SDE 4	75	75	50	225	34	4	12 x 8	-		
1-5	COACH LOCKER ROOM - MENS RR	PRICE / SDE 8	650	650	130	800	25	8	12 x 10	-		
1-6	COACH LOCKER ROOM - WOMENS RR	PRICE / SDE 8	650	650	130	800	25	8	12 x 10	-		
1-7	MBB LOCKER ROOM	PRICE / SDE 12	1435	1435	300	2100	25	12	16x15	-		
1-8	WBB LOCKER ROOM	PRICE / SDE 12	1435	1435	300	2100	25	12	16x15	-		
1-9	ALL-GENDER LOCKER ROOM WEST	PRICE / SDE 5	250	250	55	350	25	5	12 x 8	-		
1-10	ALL-GENDER LOCKER ROOM EAST	PRICE / SDE 6	250	250	70	450	25	6	12 x 8	-		
1-11	TEAM MEAL ROOM MENS	PRICE / SDE 7	500	500	100	650	25	7	12 x 10	-		
1-12	TEAM MEAL ROOM WOMENS	PRICE / SDE 7	500	500	100	650	25	7	12 x 10	-		
1-13	PANTRY	PRICE / SDE 7	450	450	100	650	26	7	12 x 10	-		
1-14	STORAGE 110A, STORAGE 152	PRICE / SDE 4	75	75	50	225	27	4	12 x 8	-		
1-15	STORAGE 111	PRICE / SDE 4	100	100	50	225	28	4	12 x 8	-		
1-17	1 - STORAGE 132	PRICE / SDE 4	75	75	50	225	29	4	12 x 8	-		
1-18	1 - ALL GENDER RR 131	PRICE / SDE 4	100	100	50	225	25	4	12 x 8	-		
2-1	2 - WC-1	PRICE / SDE 4	200	200	50	225	25	4	12 x 8	-		
2-2	2 - WC-2	PRICE / SDE 4	200	200	50	225	25	4	12 x 8	-		
2-3	2 - WC-3, 4	PRICE / SDE 4	200	200	50	225	25	4	12 x 8	-		
2-4	2 - WC-5, 6	PRICE / SDE 4	200	200	50	225	25	4	12 x 8	-		
GENERAL.....												
1. MOUNT WITH 4 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX.												
2. MAXIMUM INLET S.P.=1.5.												
3. MAXIMUM NC LEVELS ARE RADIATED SOUND DATA AND BASED ON THE MAXIMUM BOX CFM LISTED AND AT A PRESSURE DROP ACROSS THE BOX OF 2.0".												
4. CONTROLS SHALL BE BY MANUFACTURER OR BY CONTROL MANUFACTURER AND INSTALLED AT THE FACTORY. (SEE SPECS)												
5. PROVIDE FACTORY MOUNTED 100V DISCONNECT SWITCH, CONTROL, TRANSFORMER AND AIR FLOW SWITCH.												
6. INTERLOCK W/ SUPPLY AIR VAV BOXES) SERVING THE SAME SPACE. EAV SHOULD BE SLAVE TO THE SUPPLY VAV AND SHALL MODULATE WITH THE SAME CFM.												
7. UPON POWER FAILURE, ACTUATOR SHALL MODULATE TO LAST USED POSITION.												
8. PROVIDE ALL EAVS INSTALLED ABOVE HARD CEILINGS WITH 24X24 ACCESS DOOR TO MAINTAIN REQUIRED AREA AND AIR FLOW CONTROL BOX.												
9. PROVIDE LAMINATED TAG FOR ALL VAV BOXES AFTER INSTALLATION.												