PACKAGED GAS/ELECTRIC ROOFTOP AIR CONDITIONING UNIT SCHEDULE

MARK	LOCATION	AREA SERVED	MANUFACTURER/ MODEL	EFFIC. (EER)	SUPPLY AIRFLOW (CFM)	OA MIN (CFM)	OA MAX (CFM)	SUPPLY FAN						EXHAUST FAN						INDIRECT GAS HEATING SECTION					DX COOLING COIL							ELECTRICAL			WEIGHT (LBS)	DIM. LxWxH (IN)	REMARKS
								FAN			MOTOR			FAN			MOTOR			GAS INPUT (MBH)	GAS OUPUT (MBH)	ENT AIR DB (F)	LEV AIR DB (F)	AFUE (%)	SENSIBLE CAPACITY (MBH)	TOTAL CAPACITY (MBH)	ENT. AIR DB / WB (F)	LEV. AIR DB / WB (F)	COIL MAX APD (IN W.G.)	COIL MAX FV (FPM)	REFRIG. TYPE	V/ø	MCA	MOCP			
								AIRFLOW (CFM)	ESP (IN)	TSP (IN)	NOM RPM	BHP	MHP	AIRFLOW (CFM)	ESP (IN)	TSP (IN)	NOM RPM	BHP	MHP																
RTU-1	ROOF	CLASSROOM 130	AAON / RN-011	12.2	4,250	900	4,250	4,250	2.00	3.20	1760	3.2	5.0	4,250	1.00	1.25	1760	2.1	3.0	195	156	56.5	90.5	80	118.3	118.9	80.2/63.7	53.9/53.9	0.5	500	R-410A	208/3	57	70	2,360	88x95x50	NOTE 1, 2, 3, 4
RTU-2	ROOF	RECEPTION 102	AAON / RN-006	12.5	2,010	520	2,010	2,010	2.00	2.75	1760	1.5	2.0	2,010	1.00	1.40	1760	1.1	2.0	90	72.9	65.9	99.5	80	51.3	55.9	76.6/62.5	52.6/52.6	0.5	500	R-410A	208/3	37	50	1,620	82x79x44	NOTE 1, 2, 3, 4
RTU-3	ROOF	CLASSROOM 132	AAON / RN-013	12.0	3,980	1,230	3,980	3,980	2.00	3.20	1760	3.0	5.0	3,980	1.00	1.25	1760	1.8	2.0	292.5	234	46.5	101	80	133.7	143.9	84.0/64.9	52.2/52.1	0.5	500	R-410A	208/3	74	90	2,540	88x95x50	NOTE 1, 2, 3, 4
RTU-4	ROOF	COMMONS HALL 111	AAON / RN-011	12.2	3,320	1,090	3,320	3,320	2.00	2.90	1760	2.2	3.0	3,320	1.00	1.20	1760	1.4	2.0	195	156	49	92.5	80	107.7	115.5	83.0/64.6	52.3/52.2	0.5	500	R-410A	208/3	52	60	2,340	88x95x50	NOTE 1, 2, 3, 4
RTU-5	ROOF	STUDENT STATIONS 110	AAON / RN-030	10.7	9,590	1,140	9,590	9,590	1.80	4.20	1760	9.3	15.0	9,590	0.80	1.80	1760	8.3	10.0	405	328.1	61.6	93	80	272.4	309.8	78.2/63.1	51.5/51.4	0.5	500	R-410A	208/3	174	200	3,640	110x100x59	NOTE 1, 2, 3, 4
RTU-6	ROOF	MEZZANINE 201	AAON / RQ-002	13 SEER	680	80	680	680	1.60	2.20	1760	0.6	1.0	680	0.60	0.75	1760	0.3	1.0	60	48.6	62.5	128.7	80	17.7	19.1	77.8/62.9	53.4/52.9	0.5	500	R-410A	208/3	16	20	1,040	82x44x27	NOTE 1, 2, 3, 4

NOTES:

1. SINGLE POINT POWER CONNECTION. REFER TO SPECS FOR WIRING CONFIGURATION REQUIREMENTS.
2. FAN AIRFLOWS DO NOT MATCH THE SUM OF SA AND RA GRILLES AND DIFFUSERS. CAPACITIES ARE ADJUSTED FOR DUCT LEAKEAGE.
3. EQUIPMENT SHALL BE PROVIDED WITH A VISIBLE NAMEPLATE INDICATING THE SHORT CIRCUIT CURRENT RATING (SCCR) OF THE EQUIPMENT IN ACCORDANCE WITH UL REQUIREMENTS. THE SCCR SHALL BE EQUAL TO OR HIGHER THAN THE AVAILABLE FAULT CURRENT (AIC) AS NOTED ON ELECTRICAL DRAWINGS.
4. AREA SERVED INDICATES ROOM WHERE TEMPERATURE SENSOR IS LOCATED. REFER TO HVAC ZONE PLAN FOR COMPLETE SYSTEM SERVICE.

FAN SCHEDULE

MARK	LOCATION	AREA SERVED	SERVICE	BASIS OF DESIGN MANUFACTURER/ MODEL	FAN SIZE	AIRFLOW (CFM)	ESP (IN)	WHEEL DIA (IN)	FAN RPM	DRIVE TYPE	SPEED CONTROL	ELECTRICAL			DIMENSION (LxWxH) (øxH)	WEIGHT (LBS)	REMARKS
												MOTOR (HP)	MOTOR RPM	V/ø			
EF-1	ROOF	NORTHWEST RESTROOMS	EXHAUST	GREENHECK / G	095-VG	750	0.5	9.5	1672	DIRECT	YES	1/6	1750	120 / 1	22x16	60	NOTE 1
EF-2	ROOF	SOUTHWEST RESTROOMS	EXHAUST	GREENHECK / G	099-VG	930	0.5	10	1568	DIRECT	YES	1/4	1750	120 / 1	25x24	60	NOTE 1
EF-3	ROOF	FUMEHOOD	FUME EXHAUST	GREENHECK / CUE	080-VG	230	0.4	9.5	1416	DIRECT	YES	1/6	1725	120 / 1	19x19	40	NOTE 1
DEF-1	LAB 2 ROOM 113	DRYER EXHAUST	DRYER EXHAUST	FANTECH	DBF4XL	150	0.2	4	–	DIRECT	–	–	–	120 / 1	–	–	NOTE 2

NOTES:

1. FAN AIRFLOWS DO NOT MATCH THE SUM OF EA GRILLES. CAPACITIES ARE ADJUSTED FOR DUCT LEAKEAGE.
2. INTERLOCK WITH DRYER.

AIR DEVICE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER / MODEL	SUPPLY / RETURN / EXH	CEILING TYPE	NECK SIZE (L"xW")	FACE SIZE HARD CLG. (L"xW") (IN)	FACE SIZE LAY-IN CLG. (L"xW") (IN)	AIRFLOW RANGE (CFM)	LINEAR SLOT QUANTITY	LINEAR SLOT WIDTH (IN)	FINISH	MATERIAL	BORDER TYPE	INSTALLATION DETAIL REFERENCE	REMARKS
C1	MODULAR CORE CEILING DIFFUSER	TITUS MCD	SUPPLY	LAY-IN OR HARD CEILING	6x6	12x12	24x24	0 – 150	–	–	WHITE	STEEL	LAY-IN TYPE 3	1/M9.03 OR 2/M9.03	1, 2, 5, 9
					8x8	14x14		155 – 270							
					10x10	16x16		275 – 420							
					12x12	18x18		425 – 570					HARD TYPE 1		
					14x14	20x20		575 – 700							
					16x16	22x22		705 – 850							
L1	PLENUM SLOT LINEAR DIFFUSER	TITUS TBD-80	SUPPLY	LAY-IN OR HARD CEILING	6 OVAL	48"x4"	48"x 4"	0 – 100	1	1"	WHITE	STEEL	–	3/M9.03	4, 8, 9
					8 OVAL			105 – 200	2						
					10 OVAL			205 – 300	3						
					12 OVAL			305 – 450	4						
S1	SUPPLY GRILLE	TITUS 300RL	SUPPLY	WALL OR DUCT	PER PLANS	DUCT PLUS 2"	–	PER PLANS	–	–	WHITE	STEEL	TYPE 1	4/M9.03	7, 9
R1	CEILING MOUNTED RETURN/EXHAUST GRILLE	TITUS 350RL	RETURN	LAY-IN OR HARD CEILING	6x6	8x8	24x24	0 – 100	–	–	WHITE	STEEL	LAY-IN TYPE 3	1/M9.03 OR 2/M9.03	2, 3, 4, 6, 9
					8x8	12x12		105 – 190							
E1					10x10	16x16		195 – 295							
					12x12	20x20		300 – 440					HARD		
R2	RETURN GRILLE	TITUS 350RL	RETURN	WALL OR DUCT	PER PLANS	DUCT PLUS 2"	–	PER PLANS	–	–	WHITE	STEEL	TYPE 1	4/M9.03	7, 9
E2	EXHAUST GRILLE														
R3	RETURN GRILLE	TITUS 33 RL	RETURN	WALL OR DUCT	PER PLANS	DUCT PLUS 2"	–	PER PLANS	–	–	WHITE	STEEL	TYPE 1	4/M9.03	7, 9
E3	EXHAUST GRILLE														
R4	CEILING MOUNTED RETURN/EXHAUST GRILLE	TITUS 350RLF2	RETURN	LAY-IN OR HARD CEILING	6x6	8x8	24x24	0 – 100	–	–	WHITE	STEEL	LAY-IN TYPE 3	1/M9.03 OR 2/M9.03	2, 3, 4, 6, 9,10
					8x8	12x12		105 – 190							
					10x10	16x16		195 – 295							
					12x12	20x20		300 – 440					HARD		

NOTES:

1. ADJUST DIFFUSERS FOR 4-WAY THROW UNLESS INDICATED OTHERWISE ON DRAWINGS.
2. PROVIDE WITH EARTHQUAKE TABS FOR LAY-IN CEILING INSTALLATION.
3. ADJUST LINEAR DIFFUSER FOR 2-WAY THROW UNLESS INDICATED OTHERWISE ON DRAWINGS.
4. FOR HARD CEILING FACE SIZE IS NECK SIZE SIZE PLUS 5-9/16" AND CEILING OPENING SIZE IS NECK SIZE PLUS 3-1/2".
5. FOR HARD CEILING FRAME SIZE IS NECK SIZE SIZE PLUS 1-3/4".
6. PROVIDE WITH OPPOSED BLADE DAMPER WHERE SHOWN ON DRAWINGS.
7. PROVIDE ALUMINUM CONSTRUCTION FOR SHOWER EXHAUST GRILLES.
8. PROVIDE WITH PLASTER FRAME OPTION FOR INSTALLATION IN HARD CEILING AND FACTOR T-BARS FOR LAY-IN CEILING.
9. DIMENSIONS INDICATED ARE NOMINAL. REFER TO MANUFACTURER FOR ACTUAL DIMENSIONS.
10. PROVIDE MERV 8 FILTER AT DIFFUSER.

DUST COLLECTOR SCHEDULE

MARK	LOCATION	SYSTEM SERVED	MANUFACTURER/ MODEL	FILTER TYPE	MOTOR (HP)	SOUND (dB)	AIRFLOW (CFM)	INLET DIA. IN.	ELECTRICAL			HOSE LENGTH (FT)	REMARKS
									FLA	MOTOR (HP)	V/ø		
DC-1	WOOD LAB 114	DUST COLECTOR	ONEIDA/MINI-GORILLA	HEPA MERV 16+	1.5	76	600	5	16	1.5	120 / 1	10	NOTE 1

NOTES:

1. PROVIDE WITH MOBILE STAND.

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