

ROOFTOP UNIT SCHEDULE																									
PLAN MARK	MANUFACTURER	MODEL	NOMINAL TONS	COOLING COIL				GAS HEATING				SUPPLY FAN				ELECTRICAL				WEIGHT (LBS)	NOTES				
				TOTAL/SENS CAP. MBH	EAT (°F)		LAT (°F)		SEER/EER/IEER	STAGE 1		STAGE 2		TEMP RISE (DEG F)	EFFICIENCY	AIRFLOW (CFM) MAX/MIN	ESP (IN WG)	OA CFM	BHP			MCA	MOC	VOLTS	PHASE
RTU-1	CARRIER	48LCEB09	8.5	102.6/79	80.0	67.0	55.0	---	13.5/20.8	144.0	118.0	180	146.00	20 TO 55	81%	3400/850	1.75	500.0	3.63	50.0	60.0	208.0	3.0	1952.0	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22, 23, 24, 25, 27
RTU-2	CARRIER	48KCD404	3.0	36.4/26.7	80.0	67.0	59.0	57.0	14.0/12.0/---	72.0	59.0	72	59.00	46	82%	1200/1200	0.75	150.0	0.57	20.0	25.0	208.0	3.0	687.0	1, 2, 3, 5, 6, 7, 8, 10, 11, 12, 14, 16, 17, 19, 22, 23, 24, 25, 27

GENERAL NOTES:
A. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED COILS.
B. SELECTED MANUFACTURE IS THE BASIC DESIGN.
NOTES:
1. MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCE AS TO ALLOW PROPER AIR FLOW TO CONDENSER 15. VAVRTU OPEN CONTROLLER OPEN ACCESS AND CONTROL DOORS FOR SERVICE, MAINTENANCE, AND INSPECTION.
2. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.
3. VERTICAL DISCHARGE.
4. SUPPLY STATIC LIMIT TRANSDUCER
5. PROVIDE UNIT WITH STANDARD 12" INSULATED ROOF CURB.
6. PROVIDED "BACNET OPEN CARD", FACTORY INSTALLED.
7. UNIT TO OPERATE IN UNOCCUPIED HOURS TO CIRCULATE AND DEHUMIDIFY AIR.
8. 5-YEAR COMPRESSOR WARRANTY
9. SA & RA SMOKE DETECTOR
10. SINGLE POINT POWER CONNECTION
11. FACTORY MOUNTED DISCONNECT
12. FACTORY FURNISHED THERMOSTAT
13. VAV - VFD INTEGRAL TO UNIT
14. PROVIDE UNIT WITH MOUNTING STRAP
15. MERV 8 FILTERS
16. MERV 8 FILTERS
17. FURNISHED WITH 100% OUTSIDE AIR ENTHALPY ECONOMIZER
18. FURNISHED WITH MOTORIZED OUTSIDE AIR DAMPER
19. FURNISHED WITH BAROMETRIC RELIEF DAMPER
20. FURNISHED WITH 100% EXHAUST RELIEF FAN - FIELD INSTALLED
21. FURNISHED WITH LOW AMBIENT OPTION
22. FURNISHED WITH ISOLATION VIBRATION
23. SOLID SINGLE WALL, INSULATED
24. NON POWERED SERVICE OUTLET, FIELD WIRED/POWERED BY OTHER.
25. OUTSIDE AIR HOOD
26. FURNISHED INSULATED PREFABRICATED 14" CURB WITH SEISMIC BRACKETS.
27. UNIT TO BE CONNECTED TO EMERGENCY GENERATOR

DUCTLESS SPLIT SYSTEM SCHEDULE																							
BASIS OF DESIGN				SUPPLY		TOTAL COOLING		ENTERING AIR DB		MIN SEER		HEATING		INDOOR UNIT ELECTRICAL DATA		OUTDOOR UNIT ELECTRICAL DATA		WEIGHT (LBS)		NOTES			
TAG	MAKE	INDOOR MODEL	OUTDOOR MODEL	SUPPLY AIR CFM	BLOWER MOTOR HP	MBH	%DF	SEER	MBH	VOLTS	PH	HZ	MCA	VOLTAGE	PH	HZ	INDOOR UNIT	OUTDOOR UNIT					
AC/UC - 1	DAIKIN	MSY-GL18NA-U1	MUY-GL18NA-U1	470	30 W	18	95	20.5	N/A	0.67	1	60	14	208	1	60	28	54	1, 3, 4 2, 5, 6				

NOTES:
1. ELECTRICAL CHARACTERISTICS SHALL BE COORDINATED WITH ELECTRICAL CONTRACTOR.
2. PROVIDE CONDENSATE PUMP OR KIT.
3. DUCTLESS SPLITS ARE A SINGLE POINT POWER CONNECTION AT THE OUTDOOR UNIT.
4. DISCONNECT SHALL BE PROVIDED AND WIRED BY ELECTRICAL SUBCONTRACTOR FOR OUTDOOR UNIT.
5. PROVIDE WIRED WALL MOUNTED CONTROLLER.
6. SUPPLY AIR FLOW LISTED IS STANDARD AT HIGH SPEED FOR INDOOR UNIT.

PACKAGED DX DOAS UNIT WITH GAS HEAT																							
TAG	LOCATION	SERVICE	MAKE	MODEL	SA FAN (ESP)	SA FAN (HP)	EA FAN (ESP)	EA FAN (HP)	ELECTRIC				VFD	COOLING/ SENSIBLE CAPACITY (MBH)	HEATING CAPACITY INPUT/OUTPUT (MBH)	SA/EA (CFM)	ELECTRIC HEATING		DISCHARGE	RETURN	WEIGHT W/ CURB (LBS)	OPTIONS	
									FLA	MCA	MOC	V/PH/HZ					KW	V/PH/HZ					
DOAS	GRADE	CLEAN ROOM IN GEAR RM	GREENHECK	ERCH-20-15H-5P-1G-01	1.00	2.00	0.50	1.5	99.2	41	50	208/360	NO	50/143.2	100/80	1550/1550	32	208/360	SIDE	SIDE	2,200	1,2,3,4,5,6	

NOTES:
1. SINGLE POINT POWER CONNECTION
2. FACTORY DRY START-UP
3. FACTORY MOUNTED DISCONNECT
4. NON POWERED SERVICE OUTLET, FIELD WIRED/POWERED BY CONTRACTOR
5. BACNET CONTROL INTERFACE, FACTORY INSTALLED
6. PROVIDE UNIT WITH MERV 8 FILTERS

EXHAUST FANS												
TAG	MAKE	MODEL	ESP (IN WG)	MOTOR RPM	MOTOR HP OR (WATTS)	DRIVE	VOLTAGE & PHASE	MOUNTING HEIGHT	OPERATING WEIGHT (LBS)	WALL/ROOF OPENING (IN)	AREA OF SERVICE	COMMENTS
EF-1	GREENHECK	SP-110	4.40	1554/1725	1 HP	DIRECT	208/1	WALL	220	33.75x33.75	2 BAY APPARATUS RM #111	2,3,4,5,6,8
EF-2	GREENHECK	SP-110	0.50	750/---	80 WATTS	DIRECT	120/1	CEILING	12	NA	1ST FL TOILET RM #109	3,4,5,9,10
EF-3	GREENHECK	SP-150	0.25	750/---	80 WATTS	DIRECT	120/1	CEILING	12	NA	1ST FL TOILET RM #101	3,4,5,9,10
EF-4	GREENHECK	SP-150	0.12	1013/---	128 WATTS	DIRECT	120/1	CEILING	12	NA	VEHICLE STORAGE #112	5,10,12
EF-5	GREENHECK	SP-150	0.12	1013/---	128 WATTS	DIRECT	120/1	CEILING	12	NA	UTILITY/COMM RM #118	3,4,7,10
EF-6	GREENHECK	G-960-VG	380	1500/1725	1/10 HP	DIRECT	120/1	ROOF	45	12.5x12.5	ROOF, MEN TOILET #207	1,3,4,5,8,11
EF-7	GREENHECK	G-960-VG	190	1285/1725	1/10 HP	DIRECT	120/1	ROOF	45	12.5x12.5	ROOF, WOMEN TOILET #206	1,3,4,5,9,11

NOTES:
1. FAN SHALL BE ROOF MOUNT TYPE AND PROVIDED WITH ROOF CURB.
2. FAN TO BE PROVIDED WITH EC MOTOR AND 0-10VDC CONTROL, DAMPER, SHORT WALL HOUSING AND WEATHER HOOD.
3. MANUFACTURER PROVIDED BIRDSCREEN
4. MANUFACTURER PROVIDED BACKDRAFT DAMPER.
5. FAN TO BE PROVIDED WITH DISCONNECT SWITCH.
6. INTERLOCK WITH ASSOCIATED MOTOR OPERATED LOUVER DAMPERS (L-1).
7. FAN SHALL OPERATE WITH LINE T-STAT.
8. PROVIDE UNIT WITH MOUNTED VARIABLE SPEED MOTOR CONTROLLER AND COIN2 SENSOR.
9. INTERLOCK FAN WITH LIGHT SWITCH
10. PROVIDE ISOLATION KIT.
11. PROVIDE UNIT WITH MOTOR MOUNTED DIAL FOR CONTROL/BALANCING.
12. FAN SHALL RUN CONTINUOUSLY.

EXHAUST AIR CLEANER SCHEDULE																
TAG	BASIS OF DESIGN	FILTERS			MOTOR HP OR (WATTS)	DRIVE	VOLTAGE & PHASE	MOUNTING	OPERATING WEIGHT (LBS)	AREA OF SERVICE	STARTER PROVIDED AND WIRED BY	DISCONNECT PROVIDED AND WIRED BY	COMMENTS			
		PRE-FILTER	MEDIA FILTER	GAS-PHASE FILTER												
EAC-1	AIR VAC - 911	UL CLASS 2	MERV 16	NOTE 6	0.75	DIRECT	120/1	FROM STRUCTURE	190	BAY APPARATUS ROOM	MANUFACTURER	ELEC CONTRACTOR	1 THRU 7			
EAC-2	AIR VAC - 911	UL CLASS 2	MERV 16	NOTE 6	0.75	DIRECT	120/1	FROM STRUCTURE	190	BAY APPARATUS ROOM	MANUFACTURER	ELEC CONTRACTOR	1 THRU 7			
EAC-3	AIR VAC - 911	UL CLASS 2	MERV 16	NOTE 6	0.75	DIRECT	120/1	FROM STRUCTURE	190	BAY APPARATUS ROOM	MANUFACTURER	ELEC CONTRACTOR	1 THRU 7			
EAC-4	AIR VAC - 911	UL CLASS 2	MERV 16	NOTE 6	0.75	DIRECT	120/1	FROM STRUCTURE	190	BAY APPARATUS ROOM	MANUFACTURER	ELEC CONTRACTOR	1 THRU 7			
EAC-5	AIR VAC - 911	UL CLASS 2	MERV 16	NOTE 6	0.75	DIRECT	120/1	FROM STRUCTURE	190	BAY APPARATUS ROOM	MANUFACTURER	ELEC CONTRACTOR	1 THRU 7			
EAC-6	AIR VAC - 911	UL CLASS 2	MERV 16	NOTE 6	0.75	DIRECT	120/1	FROM STRUCTURE	190	BAY APPARATUS ROOM	MANUFACTURER	ELEC CONTRACTOR	1 THRU 7			

NOTES:
1. SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND BY AIR VAC 911 APPROVED INSTALLER.
2. UNIT SUPPORTED FROM STRUCTURE BY THREADED ROD.
3. FOUR STAGE FILTRATION: PRE-FILTER, MAIN MEDIA FILTER, 2 STAGES GAS-PHASE EXTRACTOR.
4. PROVIDE PHOTO ELECTRIC EYE ACTIVATION DEVICE SYSTEM WITH OUTDOOR RANGE OF 200 FEET, MAGNETIC DOOR SWITCHES (ONE PER OVERHEAD DOOR), MANUAL PUSH BUTTONS & COIN2 GAS DETECTION.
5. PROVIDE UL 508A CERTIFIED CONTROL PANEL.
6. STAGES 3 & 4: CARBON FILTER FOR REMOVAL OF DIESEL EXHAUST (VOC'S, HYDROCARBONS, BENZENE, OCTANE, METHANOL, SULFUR DIOXIDE, NITROGEN DIOXIDE, FORMALDEHYDE).
7. PROVIDE WITH MANUFACTURER'S UNIT SUPPORT BRACKETS. UNIT MOUNTED FROM STRUCTURE WITH THREADED ROD.

MISCELLANEOUS POWER REQUIREMENT ELECTRICAL DATA		
LOCATION	SERVE	V/PH
UTILITY/COMM RM # 116	LINE T-STAT	120/1
BAY APPARATUS #111	AVC PANEL FOR EAC UNITS	120/1
KITCHEN AREA #105	KITCHEN CONTROL PANEL	120/1
OFFICE #101	HVAC CONTROL SYSTEM	120/1

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