



**VARIABLE VOLUME ROOFTOP UNIT SCHEDULE (DX COOLING GAS HEAT, R-410 REFRIGERANT)**

SYMBOL	CFM	VENTILATION AIR		SUPP. FAN E.S.P.	EXH. FAN E.S.P.	NET COOLING CAPACITY		COOLING EFFICIENCY		HEATING CAPACITY		EFFICIENCY		COMPRESSOR		RELIEF FAN		POWER SUPPLY		OPERATING		MANUFACTURER TRANS. MODEL						
		MIN CFM	DESIGN			TO (BTU/H)	THRU (BTU/H)	EEER (ARI)	EEER (ARI)	INPUT (BTU/H)	OUTPUT (BTU/H)	AFUE	NO.	RLA	LRA	QFM	SUPPLY FLA	FLY HP	FLA	QTY	HP		FLA	MCA	MOPV	VOLTAGE	WEIGHT	
RTL-1	12,000	2,315	2,400	2.0"	0.5"	369,000	268,000	10.9	17.9	350,000	283,000	81%	2	23.0/22.7	--/--	2	2.9/2.7	2	5/5	83/8.3	2	6/6	6.3/6.3	90.75	110	460V-3	7,190 LBS	RF30-SYMBIO
RTL-2	8,000	900	1,200	2.0"	0.5"	267,000	180,000	11.3	17.2	350,000	283,000	81%	2	17.5/15.3	--/--	2	2.9/2.7	2	3/3	4.7/4.7	1	6	6.3	62.98	80	460V-3	7,050 LBS	RF20-SYMBIO
RTL-3	8,000	900	1,200	2.0"	0.5"	267,000	180,000	11.3	17.2	350,000	283,000	81%	2	17.5/15.3	--/--	2	2.9/2.7	2	3/3	4.7/4.7	1	6	6.3	62.98	80	460V-3	7,050 LBS	RF20-SYMBIO
RTL-4	8,000	900	1,200	2.0"	0.5"	267,000	180,000	11.3	17.2	350,000	283,000	81%	2	17.5/15.3	--/--	2	2.9/2.7	2	3/3	4.7/4.7	1	6	6.3	62.98	80	460V-3	7,050 LBS	RF20-SYMBIO

NOTES:

1. FURNISH UNITS WITH: FACTORY SOUND REDUCTION ROOF CURB (TRANE QUIET CURB, MINIMUM 12" ABOVE FINISHED ROOF, INCLUDING CRICKETS), DOUBLE-WALL CONSTRUCTION, DIRECT-DRIVE PLENUM SUPPLY FAN WITH VARIABLE SPEED DRIVE, INTEGRATED ECONOMIZER (COMPARATIVE ENTHALPY CONTROL) WITH 100% MODULATING EXHAUST, LOW-AMBIENT CONTROLS (OPERATION DOWN TO 0°F), 65 DB(A) SOUND RATING, 100% EXHAUST FLOW, 100% EXHAUST AIR AND RETURN AIR HOODS, SUPPLY AND RELIEF FAN MOTOR SPRING-TYPE VIBRATION ISOLATORS, ALL NON-VOLTA ELECTRICAL WIRING IN METALLIC RACEWAY, DUCT MOUNTED STATIC PRESSURE CONTROLLER, POWER EXHAUST CONTROLLER WITH INTERIOR SPACE PRESSURE SENSOR, CONDENSER HAIL GUARD, NEMA PREMIUM EFFICIENCY FAN MOTORS, EXTENDED SUPPLY FAN DISCHARGE PLENUM SECTION (DIRECT DOWNFLOW FAN WILL NOT BE ACCEPTED (RTU-1) AND (RTU-2)), FILTER, 100% EXHAUST FLOW, 100% EXHAUST AIR HOOD, SINGLE POINT ELECTRICAL CONNECTION WITH NON-FUSED DISCONNECT, CONTROL PANEL WITH DISPLAY, SUCTION AND DISCHARGE SERVICE VALVES, BAS CONTROLS INTERFACE MODULE, ALL ACCESS DOORS SHALL BE HINGED DOORS WITH "TOOL-LESS" ENTRY.
2. ALL UNITS SHALL BE AGA CERTIFIED, UL LABELED, AND ASHRAE 90.1 COMPLIANT.
3. PHOTOELECTRIC TYPE SMOKE DETECTORS SHALL BE PROVIDED WITH EACH ROOFTOP UNIT. DUCT DETECTORS WILL BE FURNISHED BY THE ELECTRICAL CONTRACTOR, INSTALLED IN DUCT BY THE MECHANICAL CONTRACTOR, AND WIRED FOR UNIT SHUT-DOWN AND FIRE ALARM INTERFACE BY THE ELECTRICAL CONTRACTOR. DUCT DETECTORS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS. TWO DETECTORS REQUIRED PER UNIT (ONE IN THE SUPPLY AND ONE IN THE RETURN).
4. COOLING CAPACITIES BASED ON 85° AMBIENT, 80/67 ENTERING AIR.
5. PRIMARY COOLING COIL DRAIN PAN SHALL BE PROVIDED WITH A FLOAT SWITCH BY UNIT MFR; ACTIVATION OF THE FLOAT SWITCH SHALL SHUT DOWN UNIT AND SEND AN ALARM TO THE CENTRAL BAS.
6. ALL ELECTRICAL COMPONENTS SERVING AND WITHIN RTU-1 SHALL HAVE A MINIMUM SCOR RATING OF 65 KAIC.
7. ALL ELECTRICAL COMPONENTS SERVING AND WITHIN RTU-2 SHALL HAVE A MINIMUM SCOR RATING OF 65 KAIC.
8. ALL ELECTRICAL COMPONENTS SERVING AND WITHIN RTU-3 & RTU-4 SHALL HAVE A MINIMUM SCOR RATING OF 65 KAIC.

CONSTANT VOLUME ROOFTOP UNIT SCHEDULE (DX COOLING WITH GAS HEAT)	
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[illegible]

NOTES:

1. ALL UNITS SHALL BE U.L. LABELED.
2. PROVIDE UNIT WITH: FACTORY FLOOR CURB (MINIMUM 12" ABOVE FINISHED FLOOR, INCLUDING CRICKETS), DOUBLE-WALL CONSTRUCTION, CONVENIENCE OUTLET, VARIABLE CAPACITY SCROLL COMPRESSORS (QTY=2), ECM CONDENSER FANS, BACNET CONTROLS INTERFACE, 4" PLATED FLUENTS (MERY 8), SINGLE POINT ELECTRICAL CONNECTION, CONDENSER HAIL GUARDS, MODULATING HOT-GAS REHEAT, 1" VIBRATION ISOLATORS, 65 KAIC SCRR RATING.
3. ALL TEMPERATURES ARE MEASURED IN DEGREES FAHRENHEIT, AND SPECIFIC HUMIDITY IS MEASURED IN GRAINS PER POUND DRY AIR.
4. OUTDOOR DESIGN CONDITIONS: SUMMER 95° F, 65° F, 72° F, W.B., WINTER 18° F, D.B.
5. MINIMUM COOLING EFFICIENCY: 10.3 EER AT FULL LOAD OPERATING CONDITIONS.
6. PROVIDE UNIT WITH A IONIZATION TYPE SMOKE DETECTOR, INSTALLED IN THE SUPPLY DUCT WIRED TO SHUT DOWN THE UNIT UPON ACTIVATION. SMOKE DETECTOR SHALL BE SUPPLIED, WIRED FOR INTERFACE WITH FIRE ALARM SYSTEM AND UNIT SHUTDOWN BY THE ELECTRICAL CONTRACTOR. SMOKE DETECTOR SHALL BE INSTALLED IN THE SUPPLY DUCT BY THE MECHANICAL CONTRACTOR.
7. ALL ELECTRICAL COMPONENTS SERVING AND WITHIN RTU-5 SHALL HAVE A MINIMUM SCRR RATING OF 65 KAIC.

## GRILLE AND DIFFUSER SCHEDULE

SMBOL	SERVICE	CFM RANGE	FACE SIZE"	NECK SIZE	TYPE	DBD	PRICE
A	SUPPLY	(SEE PLANS FOR SIZE AND CFM)			DBL. DEFL.	YES	\$20
B	SUPPLY	(SEE PLANS FOR SIZE AND CFM)			SPIRAL DUCT	YES	SMD
C	SUPPLY	0 - 120	12x12	6"	LOUVERED	NO	SMD
D	SUPPLY	0 - 175	24x24	8"	LOUVERED	NO	SMD
E	SUPPLY	180 - 270	24x24	10"	LOUVERED	NO	SMD
F	SUPPLY	275 - 390	24x24	12"	LOUVERED	NO	SMD
G	SUPPLY	395 - 535	24x24	14"	LOUVERED	NO	SMD
H	SUPPLY	0 - 200	(3) 3/4" SLOTS;	48" LONG	LINEAR; 8" INLET	NO	\$0575/\$0A75
J	SUPPLY	205 - 320	(3) 3/4" SLOTS;	72" LONG	LINEAR; 10" INLET	NO	\$0575/\$0A75
K	RET/EXH	0 - 120	12x12	6"	PERF.	NO	PDDR
L	RET/EXH	0 - 175	24x24	8x8	PERF.	NO	PDDR
M	RET/EXH	180 - 270	24x24	10x10	PERF.	NO	PDDR
N	RET/EXH	275 - 500	24x24	12x12	PERF.	NO	PDDR
P	RET/EXH	505 - 885	24x24	16x16	PERF.	NO	PDDR
Q	RET/EXH	890 - 2000	24x24	22x22	PERF.	NO	PDR
R	RET/EXH	(SEE PLANS FOR SIZE AND CFM)			SINGLE. DEFL.	YES	\$30
T	SUPPLY	0 - 130	24x12	6"	DBL. DEFL.	YES	\$20
U	RET/EXH	0 - 130	24x12	6"	SINGLE. DEFL.	YES	\$30

- \* LOUVERED FACE GRILLES IN GYP CEILINGS SHALL BE FURNISHED WITH SMALLEST FACE SIZE FOR SCHEDULED NECK SIZE.

NOTES

1. ALL CEILING AND WALL MOUNTED DEVICES SHALL BE FURNISHED WITH AN ENAMEL OFF-WHITE FINISH (AS APPROVED BY THE ARCH/OWNER) UNLESS NOTED OTHERWISE.
2. ALL DEVICES SHALL BE FURNISHED WITH FRAMES SUITABLE FOR TYPE OF INSTALLATION REQUIRED.
3. ALL LINEAR DIFFUSERS IN LAY-IN CEILINGS SHALL BE FURNISHED WITH END CAPS, ALL LINEAR DIFFUSERS IN LAY-IN CEILINGS WITH 12" OVERHANGS.
4. ALL DOUBLE DEFLECTION SUPPLY GRILLES SHALL HAVE DAMPER BLADES ADJUSTED TO PROVIDE AIRFLOW PATTERN INDICATED BY FLOW ARROWS ON PLANS. DAMPERS SHALL BE ADJUSTED TO PROVIDE A DISTRIBUTION OF AIRFLOW AS SHOWN ON PLANS.
5. REGISTERS ON ROUND DUCT SHALL BE MOUNTED FLUSH WITHOUT THE USE OF TRANSITIONS, THE FRAME SHALL BE CURVED TO MATCH THE RADIUS OF THE DUCT ALLOWING THE GRILLE TO SNUGLY AROUND THE DUCT. PROVIDE REGISTERS WITH OPTIONAL AIR SCOOP.
6. ALL DEVICES INSTALLED IN LOCKER ROOMS, TOILETS AND APPARATUS ROOMS SHALL BE ALL ALUMINUM CONSTRUCTION.

## SERVER ROOM AIR CONDITIONING UNITS

DESIGN CONDITIONS: 75° F. D.B., 50% R.H.

A/C-1 & 2 LIEBERT MODEL DS070ASA (DOWNFLOW WITH TOP RETURN)  
9,000 CFM @ 0.20" E.S.P.; 238,400 BTUH TC; 209,400 BTUH SHC; ELECTRIC REHEAT - SCR CONTROL, 25 KW, 85,300 BTUH; INFRARED HUMIDIFIER (STAINLESS STEEL PAN) - 22.0 LBS/HR, SUPPLY FAN - 2 @ 5.4 H.P.  
ELECTRICAL DATA: 460V-3Ø, 59.9 WSA, 80 OPD.

FURNISH UNIT WITH: ICOM FACTORY CONTROLS WITH LARGE GRAPHICS DISPLAY, LOCKING DISCONNECT SWITCH, FIRESTAT, SMOKE DETECTOR, RETURN AIR TEMPERATURE AND HUMIDITY SENSORS, HIGH EFFICIENCY FILTERS (MERV-8), FILTER CLOG DETECTION ALARM, 12" FLOORSTAND, DIGITAL SCROLL VARIABLE CAPACITY COMPRESSOR, INTELLISLOT COMM CARD, 4-YEAR EXTENDED COMPRESSOR WARRANTY.

### CONDENSING UNITS

CU-1 & 2      LIEBERT MODEL MCL110

- 105° F. AMBIENT; 238,400 BTUH TC; 209,400 BTUH SHC;  
ELECTRICAL DATA: 460V-3Ø, 5.6 FLA, 6.3 WSA, 15 OPD  
FURNISH UNIT WITH: VFD FAN SPEED CONTROL FOR LOW AMBIENT OPERATION

NOTES:

1. MOUNT CONDENSING UNITS ON 6" THICK CONCRETE PADS. INSTALL UNITS LEVEL.
2. ALL UNITS SHALL BE UL LISTED AND LABELED.
3. REFRIGERANT PIPING SHALL BE SIZED AND INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
4. ALL UNITS SHALL BE FURNISHED WITH 4-YEAR EXTENDED COMPRESSOR WARRANTY (5-YEAR WARRANTY).
5. PROVIDE 12" FLOORSTAND.
6. PROVIDE UNIT WITH RETURN DUCT CONNECTION.
7. PROVIDE ICOM MICROPROCESSOR BASED CONTROL MODULE.
8. ALL ELECTRICAL COMPONENTS SERVING AND WITHIN THE A/C UNITS SHALL HAVE A MINIMUM SCOR RATING OF 65 KAIC.
9. ALL ELECTRICAL COMPONENTS SERVING AND WITHIN THE CONDENSING UNITS SHALL HAVE A MINIMUM SCOR RATING OF 65 KAIC.

LEAK DETECTION SYSTEM (BELOW RAISED FLOOR)

PROVIDE LIEBERT LIQUI-TECT MONITORING SYSTEM. INSTALL LIQUID DETECTION CABLE (LIEBERT LT500Y WATER SENSING CABLE) AROUND THE PERIMETER OF MECHANICAL ROOM 129 BELOW THE RAISED FLOOR. LIQUID DETECTION SYSTEM CONTROL PANEL SHALL BE INTEGRATED WITH BAS.

## INFRARED HEATERS SCHEDULE (NATURAL GAS)

<u>SYMBOL</u>	<u>VOLTAGE</u>	<u>AMPS</u>	<u>HEATING CAPACITY</u> <u>HIGH/LOW INPUT (BTUH)</u>	<u>WEIGHT</u>	<u>LENGTH</u>	<u>MANUFACTURER</u> <u>SPACE-RAY</u>
IFH-1 TO IFH-4	120V-1Ø	2.6	125,000/80,000	185 LBS	32"-3"	LTS-125-30-N5

**NOTES:**

1. MOUNTING HEIGHTS AND EXACT LOCATIONS SHALL BE VERIFIED WITH THE OWNER AND INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. MINIMUM MOUNTING HEIGHT SHALL BE "14" O" FROM THE FINISH FLOOR TO CLEARANCE OF 18" ABOVE SUSCEPTIBLE SUBSTRATES BELOW. INSTALL A HORIZONTAL POSITION PARALLEL RELATIVE TO THE FINISH FLOOR.
2. PROVIDE UNITS WITH: CHAIN MOUNTING BRACKET, REMOTE TIMER SWITCH (SEE PLANS FOR QTY. AND LOCATIONS), INTERMITTENT PULP IGNITION, AND FLEXIBLE CONNECTOR BY HEATER MANUFACTURER (CANNOT BE REPRODUCED)
3. INFRARED HEADERS SHALL BE TESTED IN ACCORDANCE WITH ANSI Z83.6 AND SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. SEQUENCE OF OPERATION: THE SPACE TIMER SWITCH SHALL CONTROL THE CALL FOR HEAT IN STAGES TO THE UNIT'S CONTROLLER. PER THE MANUFACTURER'S PRE-PROGRAMMED SEQUENCE, THE CONTROLLER SHALL PERFORM A SELF CHECK ROUTINE ASSURE PROPER FUNCTION. IF NO FLAME IS DETECTED DURING THE TRIAL FOR IGNITION, SPARK IS SHUTOFF IMMEDIATELY AND THE GAS VALVE REMAINS ENERGIZED. THE MAIN BURNER FLAME IS CONSTANTLY MONITORED TO ASSURE THE SYSTEM OPERATES CORRECTLY. ONCE COMPLETELY OK, THE USER MAY DEACTIVATE THE BURNTION (ADJUSTABLE) OR THE TIMER SWITCH IS DE-ACTIVATED BY AN OFF' BUTTON, THE GAS VALVE IS DE-ELECTRICALLY DEACTIVATED.
5. ALL ELECTRICAL COMPONENTS SERVING AND WITHIN THE HEADERS SHALL HAVE A MINIMUM SCOR RATING OF 7 KAIC.
6. CONDENSATE DRAIN PIPING SHALL BE SCHEDULE TYPE "L" HARD DRAWN COPPER AND SHALL BE INSULATED PER THE SPECIFICATIONS. DRAINS FROM ALL COOLING COILS SHALL BE TRAPPED. DRAIN SIZE SHALL BE EQUIPMENT DRAIN CONNECTION SIZE (3/4" MINIMUM) WITH A MINIMUM DEPTH OF 4" OR 1.5 TIMES THE UNIT FAN TSP. WHICHEVER IS GREATER.
7. ALL REFRIGERANT PIPE SHALL BE NITROGENIZED ACR COPPER TUBE, SIZE, INSULATE, AND REFRIGERANT PURITY PER MANUFACTURER'S RECOMMENDATIONS. ALL PIPING EXPOSED OUTDOORS SHALL BE COVERED WITH AN ALUMINUM OUTER JACKET.
8. ANY DEVICE REQUIRING A THERMOSTAT FOR CONTROL SHALL BE FURNISHED WITH A THERMOSTAT WHETHER INDICATED ON THE DRAWINGS OR NOT.
9. INSTALL THE TOP OF ALL THERMOSTATS, SENSORS, AND SWITCHES AT 4'-0" (MAXIMUM) ABOVE FINISH FLOOR. COORDINATE EXACT THERMOSTAT LOCATION WITH OWNER PRIOR TO INSTALLATION. ANY DEVICE ON PERMITTED WALLS SHALL BE MOUNTED ON A FOAM-FILLED METALLIC BOX.

**COMMISSIONING NOTE – 2018 NCECC C408**

THE OWNER WILL CONTRACT WITH A THIRD PARTY COMMISSIONING AGENT THAT WILL BE RESPONSIBLE FOR SYSTEM COMMISSIONING PER 2018 NCEC SECTION C408. THE MECHANICAL CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE COMMISSIONING AGENT AND PROVIDE ALL NECESSARY TIME, MATERIALS, AND PROCEDURES AS REQUIRED BY THE COMMISSIONING AGENT TO PERFORM THE REQUIRED COMMISSIONING ACTIVITIES.

16. ALL ROOF CURBS SHALL EXTEND A MINIMUM OF 12" ABOVE ROOF MEMBRANE OR AS INDICATED ON THE DRAWINGS, WHICHEVER IS GREATER. IN ADDITION, ALL ROOF CURBS OR EQUIPMENT SUPPORT RAILS THAT SUPPORT EQUIPMENT, PIPING, CONDUIT, ETC. EXPOSED ON THE ROOF SHALL HAVE SUFFICIENT HEIGHT TO MAINTAIN A MINIMUM OF 18" CLEARANCE FROM ROOF MEMBRANE. EQUIPMENT, PIPING, CONDUIT, ETC. MAINTAINED

## EQUIVALENT MANUFACTURERS LISTING

LISTING OF MANUFACTURER'S NAME DOES NOT GUARANTEE APPROVAL. ALL EQUIPMENT MUST MEET OR EXCEED QUALITY AND CAPACITIES OF SPECIFIED EQUIPMENT. FINAL APPROVAL WILL BE BASED ON EQUIPMENT SUBMITTALS. ANY MANUFACTURER NOT LISTED BUT WISHING TO BID THIS PROJECT SHALL SUBMIT A WRITTEN REQUEST A MINIMUM OF 10 DAYS PRIOR TO BID DATE OR AS INDICATED IN THE SPECIFICATIONS. PRIOR APPROVAL IS REQUIRED FOR ALL MANUFACTURERS NOT LISTED.

CRAC UNITS: LIEBERT, APAC STULZ, DATTA, TWIN CITY  
FANS: ACME, COOK, GREENECH, PENN, TWIN CITY  
AIR DISTRIBUTION: CARNES, NALOR, PRICE, TITUS, TUTTLE & BAILEY  
FIRE DAMPERS: AIR BALANCE INC., GREENECH, NALOR, RUSKIN  
LOUVERS: AIR BALANCE INC., GREENECH, POTTORFF, RUSKIN, SAFE-AIR  
PACKAGED ROOFTOP UNITS: CARRIER, TRANE, YORR/JOHNSON, DAIKIN, AAOV  
VAV TERMINAL UNITS: HARRIS, ENVIRONMENTAL, NALOR, PRICE, TITUS, TRANE  
DOUCLESS SPILT SYSTEMS: HARRIS, MITSUBISHI, TRANE, LG  
GRAVITY VENTILATORS: GREENECH, COOK, RUSKIN  
RADIANT HEATERS: SPACE RAY, RE-VERBER-RAY, ROBERTS GORDON  
AIR SCRUBBERS: AIR VACUUM CORP. DIVERSIFIED AIR SYSTEMS, MAGNA GRIP  
DODG CONTROLS: ALERTON, HONEYWELL, SIEMENS, TRANE  
KITCHEN HOODS: CAPTIVE-AIR, GREENECH, SELECT AIR SYSTEMS

**NOTE**

ALL COST ASSOCIATED WITH SUBSTITUTED EQUIPMENT TO COMPLY WITH BASIS OF DESIGN, INCLUDING PROVIDING MAINTENANCE ACCESS, CLEARANCE, PIPING, SHEET METAL, ELECTRICAL, REPLACEMENT OF OTHER SYSTEM COMPONENTS, BUILDING ALTERATIONS, ETC., SHALL BE INCLUDED IN THE ORIGINAL BASE BID. NO ADDITIONAL COST ASSOCIATED WITH SUBSTITUTED EQUIPMENT WILL BE APPROVED DURING CONSTRUCTION AND ALL COST WILL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.

### DUCTLESS SPLIT SYSTEMS (DX COOLING ONLY)

INDOOR UNIT						OUTDOOR UNIT										
SYMBOL	CFM	ELECTRICAL DATA		OPERATING WEIGHT	MANUFACTURER DAIKIN	SYMBOL	COOLING CAPACITY		HEATING CAPACITY (BTU)	COMPRESSOR RLA	ELECTRICAL DATA		OPERATING WEIGHT	MANUFACTURER DAIKIN	ALLOWABLE LINE-SET LENGTHS	
		MCA	VOLTAGE				TC (BTU)	SHC (BTU)			MCA	FUSE VOLTAGE				
A/C-1	549	0.2	208V-18	27 LBS	FTXN24KVJ	ODU-1	24,000	18,000	N/A - COOL ONLY	11.15	15.8	20	208V-18	93 LBS	RKN24EVJ	98' TOTAL, 66' VERT.
A/C-1	549	0.2	208V-18	27 LBS	FTXN24KVJ	ODU-2	24,000	18,000	N/A - COOL ONLY	11.15	15.8	20	208V-18	93 LBS	RKN24EVJ	98' TOTAL, 66' VERT.

**NOTES:**

1. ALL UNITS SHALL BE U.L. LISTED AND HAVE A MINIMUM SEER OF 13.
2. COOLING CAPACITIES BE BASED ON 95° AMBIENT, 80° ENTERING AIR DRY BULB, 67° ENTERING AIR WET BULB. AIRFLOWS INDICATED ARE AT "HIGH" SPEED.
3. MOUNT GROUND-MOUNTED UNITS ON 6" CONCRETE PAD. MOUNT UNITS ON ROOF ON EQUIPMENT SUPPORT RAILS AS INFG. BY ROOF PRODUCTS AND SERVICE CORP. (OR EQUAL).
4. PROVIDE MANUFACTURER'S SUGGESTED RANGES AROUND UNIT.
5. PROVIDE UNITS WITH MANUFACTURER'S REMOTE BURNERS OR LOW AMBIENT CONTROLS FOR OPERATION DOWN TO 0° F, INVERTER COMPRESSOR, 7-DAY PROGRAMMABLE THERMOSTAT (WALL-MOUNTED), NON-LOCKING DISCONNECT FOR INDOOR UNIT.
6. PROVIDE OUTDOOR UNITS WITH 6 YEAR EXTENDED WARRANTY.
7. SEE MANUFACTURER'S RECOMMENDATIONS FOR REQUIRED ADDITIONAL REFRIGERANT CHARGE AND RECOMMENDED LINE-SET LENGTHS.
8. POWER SUPPLY TO CONDENSING UNIT IS A SINGLE POINT ELECTRICAL CONNECTION FOR THE SYSTEM (A/C UNIT AND CONDENSING UNIT). THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER TO THE CONDENSING UNIT AND FROM THE CONDENSING UNIT TO THE A/C UNIT INCLUDING CODE REQUIRED DISCONNECT SWITCHES.
9. REFRIGERANT PIPING AND WIRING FOR WALL-MOUNTED INDOOR UNITS SHALL BE ROUTED IN WALL WHERE POSSIBLE. ANY EXPOSED PIPING SHALL BE PAINTED TO MATCH WALL-FINISH.
10. MOUNT INDOOR AC UNIT 8'-0" A.F.F. (KEEP UNIT BELOW CEILING) COORDINATE WITH ALL UTILITIES, LIGHTS, CEILING, ETC.
11. ALL ELECTRICAL COMPONENTS SERVING AND WITHIN THE DSS UNITS AND CONDENSING UNITS SHALL HAVE A MINIMUM ECCR RATING OF 5 KVA.