

AC-1 SCHEDULE (REF. # P11659-01)					
ITEM	UNITS	NUMBER	ITEM - CONTD.	UNITS - CONTD.	NUMBER - CONTD.
UNIT DESIGNATION	-	AC-1	CONDENSER	-	-
LOCATION	-	SALES FLOOR	COIL CIRCUITS	-	2
MANUFACTURER	-	SEASONS 4	FACE AREA	SQ. FT.	75.2
MODEL NUMBER	*	LAD40-4HL3A-04A-ES055-13RG	ROWS / FPI	* / *IN	4 / 12
WEIGHT	POUNDS	9,200	DESIGN AMBIENT TEMPERATURE	F	95.0
UNIT EER	-	11.0	SYSTEM 1 COMPRESSOR - OUTSIDE AIR	-	-
DESIGN DATA	-	-	QUANTITY	*	2
SUMMER O.A. DB / WB / W <sub>h</sub>	F / F	93.7 / 77.3	POWER	HP	10.0
SUPPLY AIR VOLUME	CFM	13,000	MFOR / TYPE	-	COPELAND / SCROLL
OUTSIDE AIR VOLUME (MIN / MAX)	CFM	2,600	MODEL	*	ZP020KCE / ZP20KCE
RETURN AIR VOLUME	CFM	10,400	SYSTEM 2 COMPRESSORS - RETURN AIR	-	-
SUPPLY AIR FAN	-	-	QUANTITY	*	2
FAN SPEED	RPM	1,170	POWER	HP	8.5
EXT. STATIC PRESSURE	IN. W.C.	1.20	MFOR / TYPE	-	COPELAND / SCROLL
TOTAL STATIC PRESSURE	IN. W.C.	2.96	MODEL	*	ZP20KCE
POWER	HP	10	O/A FILTERS	-	-
BRAKE HORSE POWER	BHP	8.5	MODEL	-	-
NUMBER / SIZE	* / DIA	1 / 30"	TYPE	-	2" PLEATED - MERV-8
FAN TYPE	-	AF SWSI PLDGM	NUMBER / SIZE	* / ININ	5 / 16X20
MOTOR DRIVE	-	DIRECT DRIVE W/VFD	FACE VELOCITY	FFM	234
CONDENSER FAN	-	-	R/A FILTERS	-	-
NUMBER OF FANS	*	6	TYPE	-	2" PLEATED - MERV-8
FAN SPEED	RPM	1,140	NUMBER / SIZE	* / ININ	3/16X20, 9/16X25
POWER	HP	1.0	FACE VELOCITY	FFM	328
FAN SIZE	DIA	30"	HEAT	-	-
FAN TYPE / CLASS	-	PROPELLER	TYPE	-	ELECTRIC
COOLING SYSTEM 1 - OUTDOOR AIR	-	-	INPUT CAPACITY	KW	50.0
TOTAL CAPACITY	BTU/H	254,975	CONDITIONED AIR	CFM	13,000
SENSIBLE CAPACITY	BTU/H	131,812	DELTA T	°F	12.2
CONDITION AIR	CFM	2,600	COIL CIRCUITS	-	4
COIL CIRCUITS	*	1	HEAT RECLAIM COIL	-	-
FACE AREA	SQ. FT.	7.9	HEAT RECLAIM AVAILABLE	MBH	SEE AC HEATING SCHED
ROWS / FPI	* / *IN	8 / 10	TOTAL COIL CAPACITY	MBH	175,200
EAT DB / WB	F / F	93.7 / 77.3	COIL CAPACITY	CFM	2,400
LAT DB / WB	F / F	47.7 / 47.2	BYPASS AIR VOLUME	CFM	10,600
AR PRESSURE DROP	IN. W.C.	0.41	COIL CIRCUITS	*	1
COOLING SYSTEM 2 - RETURN AIR	-	-	FACE AREA	SQ. FT.	8.2
TOTAL CAPACITY	BTU/H	230,661	ROWS / FPI	* / *IN	4 / 10
SENSIBLE CAPACITY	BTU/H	179,333	AR PRESSURE DROP	IN. W.C.	0.14
CONDITION AIR VOLUME	CFM	8,000	PIPING CONNECTION	IN / IN	1 5/8" / 1 5/8"
BYPASS AIR VOLUME	CFM	2,400	ELECTRICAL REQUIREMENTS	-	-
COIL CIRCUITS	*	1	UNIT POWER	VOLTS / PH / HZ	208 / 3 / 60
FACE AREA	SQ. FT.	17.5	CONTROL CIRCUIT POWER	VOLTS / PH / HZ	120 / 1 / 60
ROWS / FPI	* / *IN	8 / 10	FULL LOAD AMPS	-	-
EAT DB / WB	F / F	68.7 / 58.7	SUPPLY FAN	AMPS	28.3
LAT DB / WB	F / F	48.2 / 47.7	CONDENSER FAN	AMPS	4.2 EA x 6 = 25.2
AR PRESSURE DROP	IN. W.C.	0.61	SYSTEM 1 DEHUMIDIFICATION	AMPS	33.3
H.G.R. - STAGE 1 O/A & STAGE 2 R/A	-	-	SYSTEM 1 DEHUMIDIFICATION (TDM)	AMPS	33.3
REHEAT CAPACITY	BTU/H	296,157	SYSTEM 2 RETURN AIR	AMPS	28.2 EA x 2 = 56.4
CONDITIONED AIR VOLUME	CFM	8,700	CONTROL TRANSFORMER AMPS	AMPS	7.2
COIL BYPASS AIR	CFM	4,300	ELECTRIC HEATER	AMPS	138.8
COIL CIRCUITS	*	2	UNIT FLA	AMPS	183.7
FACE AREA	SQ. FT.	16.5	UNIT MCA	AMPS	192
ROWS / FPI	* / *IN	2 / 10	UNIT MOC	AMPS	225
EAT DB / WB	F / F	53.5 / 50.6			
LAT DB / WB	F / F	84.7 / 62.7			
AR PRESSURE DROP	IN. W.C.	0.14			

- NOTES:
- CONTROL WIRING IS FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. SEE ELECTRICAL DRAWINGS FOR DETAIL.
  - THERMOSTATS, HUMIDISTATS AND OTHER EXTERNAL CONTROLS ARE PROVIDED BY PUBLIC AND INSTALLED BY ELECTRICAL CONTRACTOR.
  - AC-1 TO BE PROVIDED WITH AN ENDSIDE BY CONTROLLER AND SHOULD BE INSTALLED FIRST. AC-2 AND 3 SHALL BE NETWORKED FROM AC-1 VIA 22X35SD BELDEN CABLE. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.

NEW AIR CONDITIONING EQUIPMENT SCHEDULE																	
BASIC UNIT			COOLING COILS W/O SUBCOOLING			COOLING COILS W/ SUBCOOLING			POWER			CONDENSER			UNIT		
UNIT	EXISTING MANUF. & MODEL NO.	NEW MANUF. & MODEL NO.	LOCATION TYPE	CFM	Q/A	EXT. S.P. IN. H2O	TOTAL S.P. IN. H2O	E.A.T. IN. H2O	TOTAL	SENS. MBH	L.A.T. EVAP F DB/WB	TOTAL	SENS. MBH	L.A.T. SUB F DB/WB	L.A.T. EVAP F DB/WB	REQ. HP	NON-HP
AC-3	ADDISON PDD-132	LENNOX LCT209H	GROCERY STORAGE ROOF TOP	4,380	600	1.00	1.48	75.8 / 62.5	119.6	98.1	54.3 / 52.7	-	-	-	-	3.36	3.75
AC-4	ADDISON PDD-132	LENNOX LCT209H	FRONT OFFICES ROOF TOP	3,560	600	1.0	1.21	77.3 / 65.8	117.3	77.9	56.2 / 54.6	-	-	-	-	2.19	3.75
AC-5	ADDISON PDD-132	LENNOX LCT209H	DELI ROOF TOP	3,800	550	1.23	1.51	77.7 / 67.0	120.5	77.1	58.1 / 56.5	-	-	-	-	2.69	3.75
AC-6	ADDISON PDD-132	LENNOX LCT209H	BAKERY ROOF TOP	3,800	550	1.0	1.23	77.7 / 66.1	119.4	81.0	57.2 / 55.5	-	-	-	-	2.46	3.75

- NOTES:
- ALL HAVE MULTIPLE COMPRESSORS.
  - WIRE SIZE FOR ALL LENNOX UNITS SHALL BE SUITABLE FOR AT LEAST 1674 F.
  - PROVIDE CURB ADAPTER CURB ADAPTERS ARE MANUFACTURED BY AES INDUSTRIES INC., FURNISHED BY PUBLIC AND INSTALLED BY THE MECHANICAL CONTRACTOR.
  - DISCONNECT AND STARTER FURNISHED BY AC EQUIPMENT SUPPLIER.
  - PROVIDE FDU WITH A CONDENSATE DRAIN PAN OVERFLOW SWITCH WHICH WILL SECURE THE UNIT WHEN CONDENSATE WATER LEVEL RISES ABOVE SETPOINT (AS DETERMINED BY MANUFACTURER). UNIT SHALL ALERT THE EMS OF THE HIGH WATER LEVEL.
  - PROVIDE UNIT WITH A MOTORIZED OUTSIDE AIR DAMPER WITH 24 VOLT ACTUATOR.
  - UNIT SHALL INCLUDE LENNOX'S HUMIDITY CONTROL OPTION (HUMIDISTAT) UNIT, INCLUDE MANUFACTURER'S HUMIDISTAT WITH UNIT SUPPLIED BY PUBLIC.

NEW AIR DISTRIBUTION SCHEDULE									
MARK	USE	TYPE	MANUFACTURER	MODEL	FINISH	MOUNTING	CONNECTION	NOTES	COMMENTS
A	SUPPLY	DUCT REGISTER	LINDAB	RIS-3	STEEL	SATIN SILVER	DUCT	HARD	- ADJUSTABLE DAMPER
B	SUPPLY	SQ. PLAUKE	METALARE	5750-6-AS	ALUMINUMIZED STEEL	WHITE	LAY-IN	FLEX	3 W/OBD
C	SUPPLY	SQ. PLAUKE	METALARE	5750-6-AS	ALUMINUMIZED STEEL	WHITE	SURFACE	FLEX	3 W/OBD, TBRF, 24x24 MODULE
D	SUPPLY	SQ. PLAUKE	METALARE	5750-6-AS	ALUMINUMIZED STEEL	WHITE	SURFACE	FLEX	3 W/OBD, TBRF, 24x24 MODULE
E	SUPPLY	PERF. DIFFUSER	METALARE	7500R-6-AL	ALUMINUM	WHITE	LAY-IN	FLEX W/ TRANSITION	- W/OBD
F	SUPPLY	WALL REGISTER	METALARE	H4004-1	ALUMINUM	WHITE	WALL	HARD	2 SQ. TO ROUND TRANS.
G	SUPPLY	WALL REGISTER	METALARE	H4004D-1	ALUMINUM	WHITE	WALL	HARD	2 W/OBD, SQ. TO ROUND TRANS.
H	SUPPLY	LINEAR SLOT	METALARE	6675-12-1	ALUMINUM	WHITE	SURFACE	FLEX	- W/BP-12-1 & SDC INLET
I	RETURN	LOUVERED GRILLE	METALARE	BH-6	ALUMINUM	WHITE	LAY-IN	HARD	1 W/OBD
J	RETURN	SQ. PLAUKE	METALARE	5750-6-AS	ALUMINUMIZED STEEL	WHITE	LAY-IN	FLEX	- W/OBD, 24x24 MODULE
K	RETURN	SQ. PLAUKE	METALARE	5750-6-AS	ALUMINUMIZED STEEL	WHITE	SURFACE	FLEX	- W/OBD, TBRF, 24x24 MODULE
L	RETURN	LOUVERED HINGED GRILLE	METALARE	RH-H-1	ALUMINUM	WHITE	SURFACE	HARD	1 W/OBD
M	RETURN	LOUVERED FILTERED GRILLE	METALARE	RHF-6-03	ALUMINUM	WHITE	LAY-IN	HARD	- PROVIDE WITH 1" FILTER, SQ. TO ROUND TRANS.
N	TRANSFER	DOOR GRILLE	METALARE	GDGF	STEEL	SATIN SILVER	DOOR	-	-
O	TRANSFER	DOOR GRILLE	METALARE	GDGF	STEEL	PANED	DOOR	-	- UL-0V25 RATING
P	SUPPLY	SQ. LOUVER	METALARE	5500-6	ALUMINUM	WHITE	LAY-IN	FLEX W/ TRANSITION	1, 4 W/OBD

- NOTES:
- MINIMUM LOUVER OVER SIZE SHALL BE 10x12. REFER TO M1 FOR NECK SIZE.
  - MINIMUM LOUVER OVER SIZE IS 10x12. REFER TO M1 FOR NECK SIZE.
  - PROVIDE BLINDING FLANGE FOR 5750-6-AS DIFFUSER DEPicted WITH DIRECTIONAL ARROWS.
  - PROVIDE 4-WAY DIRECTIONAL THROW UNLESS OTHERWISE DEPICTED ON SHEET M11 OR ENLARGED PLAN.

AC-2 SCHEDULE (REF. # P11659-02)									
ITEM	UNITS	NUMBER	ITEM - CONT'D.	UNITS - CONT'D.	NUMBER - CONT'D.				
UNIT DESIGNATION	-	AC-2	CONDENSER	-	-				
LOCATION	-	SALES FLOOR	COIL CIRCUITS	*	2				
MANUFACTURER	-	SEASONS 4	FACE AREA	SQ. FT.	79.2				
MODEL NUMBER	*	LAD40-4HL34-04A-ES055-14RG	ROWS / FPI	* / *IN	4 / 12				
WEIGHT	POUNDS	9,500	DESIGN AMBIENT TEMPERATURE	F	95.0				
UNIT EER	-	11.2	SYSTEM 1 COMPRESSOR - OUTSIDE AIR	-	-				
DESIGN DATA	-	-	QUANTITY	*	2				
SUMMER OA DB / WB / W <sub>h</sub>	F / F	93.7 / 77.3	POWER	HP	10.0				
SUPPLY AIR VOLUME	CFM	14,300	MFOR / TYPE	-	COPELAND / SCROLL				
OUTSIDE AIR VOLUME (MIN / MAX)	CFM	2,600	MODEL	*	ZP020KCE / ZP20KCE				
RETURN AIR VOLUME	CFM	11,700	SYSTEM 2 COMPRESSORS - RETURN AIR	-	-				
SUPPLY AIR FAN	-	-	QUANTITY	*	2				
FAN SPEED	RPM	1,131	POWER	HP	10.0				
EXT. STATIC PRESSURE	IN. W.C.	1.20	MFOR / TYPE	-	COPELAND / SCROLL				
TOTAL STATIC PRESSURE	IN. W.C.	2.96	MODEL	*	ZP20KCE				
POWER	HP	15	O/A FILTERS	-	-				
BRAKE HORSE POWER	BHP	9.53	MODEL	*	-				
NUMBER / SIZE	* / DIA	1 / 33"	NUMBER / SIZE	-	2" PLEATED - MERV-8				
FAN TYPE	-	AF SWG PLDGM	NUMBER / SIZE	* / ININ	5 / 16X20				
MOTOR DRIVE	-	DIRECT DRIVE W/VFD	FACE VELOCITY	FFM	234				
CONDENSER FAN	-	-	R/A FILTERS	-	-				
NUMBER OF FANS	*	6	TYPE	-	2" PLEATED - MERV-8				
FAN SPEED	RPM	1,140	NUMBER / SIZE	* / ININ	3/16x20, 9/16x20				
POWER	HP	1.0	FACE VELOCITY	FFM	369				
FAN SIZE	DIA	30"	HEAT	-	-				
FAN TYPE / CLASS	-	PROPELLER	TYPE	-	ELECTRIC				
COOLING SYSTEM 1 - OUTDOOR AIR	-	-	INPUT CAPACITY	KW	55.0				
TOTAL CAPACITY	BTU/H	254,992	CONDITIONED AIR	CFM	14,300				
SENSIBLE CAPACITY	BTU/H	131,882	DELTA T	°F	12.2				
CONDITIONED AIR VOLUME	CFM	2,600	COIL CIRCUITS	-	4				
COIL CIRCUITS	*	1	HEAT RECLAIM COIL	-	-				
FACE AREA	SQ. FT.	79.2	HEAT RECLAIM AVAILABLE	MBH	SEE AC HEATING SCHED.				
ROWS / FPI	* / *IN	8 / 10	TOTAL COIL CAPACITY	MBH	257,000				
EAT DB / WB	F / F	93.7 / 77.3	COIL CAPACITY	CFM	3,350				
LAT DB / WB	F / F	47.8 / 47.3	BYPASS AIR VOLUME	CFM	10,950				
AR PRESSURE DROP	IN. WC.	0.41	COIL CIRCUITS	*	2				
COOLING SYSTEM 2 - RETURN AIR	-	-	FACE AREA	SQ. FT.	12.0				
TOTAL CAPACITY	BTU/H	268,387	ROWS / FPI	* / *IN.	4 / 10				
SENSIBLE CAPACITY	BTU/H	210,466	AR PRESSURE DROP	IN. WC.	0.13				
CONDITION AIR VOLUME	CFM	9,500	PIPPING CONNECTION	IN. W.	1 5/8" / 1 5/8"				
COIL BYPASS AIR	CFM	2,200	ELECTRICAL REQUIREMENTS	-	-				
COIL CIRCUITS	*	1	UNIT POWER	VOLTS / PH / HZ	208 / 3 / 60				
FACE AREA	SQ. FT.	20.8	CONTROL CIRCUIT POWER	VOLTS / PH / HZ	100 / 1 / 60				
ROWS / FPI	* / *IN.	8 / 10	FUEL LOAD AMPS	-	-				
EAT DB / WB	F / F	93.7 / 58.7	SUPPLY FAN	AMPS	42.0				
LAT DB / WB	F / F	45.5 / 48.0	CONDENSER FAN	AMPS	4.2 EA x 6 x 25.2				
AR PRESSURE DROP	IN. WC.	0.60	SYSTEM 1 DEHUMIDIFICATION	AMPS	33.3				
H.G.R. - STAGE 1 O/A & STAGE 2 R/A	-	-	SYSTEM 1 DEHUMIDIFICATION (TOD)	AMPS	33.3				
REHEAT CAPACITY	BTU/H	322,382	SYSTEM 2 RETURN AIR	AMPS	34.0 EA x 2 x 68.0				
CONDITIONED AIR VOLUME	CFM	9,050	CONTROL TRANSFORMER AMPS	AMPS	7.2				
COIL BYPASS AIR	CFM	5,250	ELECTRIC HEATER	AMPS	152.7				
COIL CIRCUITS	*	2	UNIT FEA	AMPS	209.0				
FACE AREA	SQ. FT.	17.7	UNIT MCA	AMPS	220				
ROWS / FPI	* / *IN	2 / 10	UNIT MDCP	AMPS	250				
EAT DB / WB	F / F	53.1 / 50.4							
LAT DB / WB	F / F	85.8 / 63.1							
AR PRESSURE DROP	IN. WC.								