

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-ES050-13RG	ROWS / FPI	* / *IN	4 / 12
WEIGHT	POUNDS	9,200	DESIGN AMBIENT TEMPERATURE	F	95.0
UNIT EER	-	11.0			
DESIGN DATA	-	-	SYSTEM 1 COMPRESSOR - OUTSIDE AIR	-	-
SUMMER O.A. DB / WB / Ws	F / F	93.7 / 77.3	QUANTITY	*	2
SUPPLY AIR VOLUME	CFM	13,000	POWER	HP	10.0
OUTSIDE AIR VOLUME (MIN / MAX)	CFM	2,600	MFOR / TYPE	-	COPELAND / SCROLL
RETURN AIR VOLUME	CFM	10,400	MODEL	*	ZP020KCE / ZP20KCE
			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	*	ZP20KACE
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	-	-			
NUMBER OF FANS	*	6	R/A FILTERS	-	-
FAN SPEED	RPM	1,140	TYPE	-	2" PLEATED - MERV-8
POWER	HP	1.0	NUMBER / SIZE	* / ININ	3/16x20, 9/16x25
FAN SIZE	DIA	30"	FACE VELOCITY	FFM	328
FAN TYPE / CLASS	-	PROPELLER			
			HEAT	-	-
COOLING SYSTEM 1 - OUTDOOR AIR	-	-	TYPE	-	ELECTRIC
TOTAL CAPACITY	BTU/H	254,975	INPUT CAPACITY	KW	50.0
SENSIBLE CAPACITY	BTU/H	13,812	CONDITIONED AIR	CFM	13,000
CONDITION AIR	CFM	2,600	DELTA T	°F	12.2
COIL CIRCUITS	*	1	COIL CIRCUITS	*	4
FACE AREA	SQ. FT.	7.9			
ROWS / FPI	* / *IN	8 / 10	HEAT RECLAIM COIL	-	-
EAT DB / WB	F / F	93.7 / 77.3	HEAT RECLAIM AVAILABLE	MBH	SEE AC HEATING SCHED
LAT DB / WB	F / F	47.7 / 47.2	TOTAL COIL CAPACITY	MBH	175,200
AR PRESSURE DROP	IN. W.C.	0.41	CONDITION AIR VOLUME	CFM	2,400
			BYPASS AIR VOLUME	CFM	10,600
COOLING SYSTEM 2 - RETURN AIR	-	-	COIL CIRCUITS	*	1
TOTAL CAPACITY	BTU/H	230,661	FACE AREA	SQ. FT.	8.2
SENSIBLE CAPACITY	BTU/H	179,333	ROWS / FPI	* / *IN	4 / 10
CONDITION AIR VOLUME	CFM	8,000	AR PRESSURE DROP	IN. W.C.	0.14
BYPASS AIR VOLUME	CFM	2,400	PIPING CONNECTION	IN / IN	1 5/8" / 1 5/8"
COIL CIRCUITS	*	1			
FACE AREA	SQ. FT.	17.5	ELECTRICAL REQUIREMENTS	-	-
ROWS / FPI	* / *IN	8 / 10	UNIT POWER	VOLTS / PH / HZ	208 / 3 / 60
EAT DB / WB	F / F	68.7 / 58.7	CONTROL CIRCUIT POWER	VOLTS / PH / HZ	120 / 1 / 60
LAT DB / WB	F / F	48.2 / 47.7	FULL LOAD AMPS	-	-
AR PRESSURE DROP	IN. W.C.	0.61	SUPPLY FAN	AMPS	28.3
			CONDENSER FAN	AMPS	4.2 EA x 6 = 25.2
H.G.R. - STAGE 1 O/A & STAGE 2 R/A	-	-	SYSTEM 1 DEHUMIDIFICATION	AMPS	33.3
REHEAT CAPACITY	BTU/H	296,157	SYSTEM 1 DEHUMIDIFICATION (TDM)	AMPS	33.3
CONDITIONED AIR VOLUME	CFM	8,700	SYSTEM 2 RETURN AIR	AMPS	28.2 EA x 2 = 56.4
COIL BYPASS AIR	CFM	4,300	CONTROL TRANSFORMER AMPS	AMPS	7.2
COIL CIRCUITS	*	2	ELECTRIC HEATER	AMPS	138.8
FACE AREA	SQ. FT.	16.5	UNIT FLA	AMPS	193.7
ROWS / FPI	* / *IN	2 / 10	UNIT MCA	AMPS	192
EAT DB / WB	F / F	53.5 / 50.6	UNIT MOCP	AMPS	225
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 ENDSOR BY CONTROLLER AND SHOULD BE INSTALLED FIRST. AC-2 AND 3 SHALL BE NETWORKED FROM AC-1 VIA 22X35X4 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										BASIC UNIT			
UNIT	EXISTING MANUF. & MODEL NO.	NEW MANUF. & MODEL NO.	LOCATION	TYPE	CFM	O/A CFM	EXT. S.P. IN. H2O	TOTAL S.P. IN. H2O	E.A.T. F. DB/WB	TOTAL S.P. DB/WB	SENS. DB/WB	L.A.T. S.B. F. DB/WB	E.V.A.P. F. DB/WB	REQ. HP	NOM. HP	FLA/FLA	R/LA/FLA	* COMP.	CL	R/LA	* FANS	CL	R/LA	VOLTAGE	MCA	MOCP	EER	SEER	REFRIG.	WEIGHT	MSC. NOTES																
AC-3	ADDN	LENNOX PDK-132	BROCKERY STORAGE	ROOF TOP	4,380	800	1.0	148	75.8 / 62.5	119.6	91.6	53.8 / 52.7	-	-	-	2.98	3.0	/ 10.6	A	2	32.0	A	2	/ 4.8	A	208/3/60	92	100	12.2	13.2	R-410A	1,159	①②③④⑤⑥⑦⑧⑨⑩														
AC-4	ADDN	LENNOX PDK-132	FRONT OFFICES	ROOF TOP	3,560	600	1.0	121	77.3 / 65.8	119.7	80.3	55.6 / 54.3	-	-	-	1.91	2.0	/ 7.5	A	2	32.0	A	2	/ 4.8	A	208/3/60	88	90	12.2	13.2	R-410A	1,139	①②③④⑤⑥⑦⑧⑨⑩														
AC-5	ADDN	LENNOX PDK-132	DELI	ROOF TOP	3,800	500	1.0	128	77.7 / 67.0	123.1	78.7	57.7 / 56.3	-	-	-	2.17	3.0	/ 10.6	A	2	32.0	A	2	/ 4.8	A	208/3/60	92	100	12.2	13.2	R-410A	1,159	①②③④⑤⑥⑦⑧⑨⑩														
AC-6	ADDN	LENNOX PDK-132	BAKERY	ROOF TOP	3,800	550	1.0	123	77.7 / 66.1	121.7	83.5	56.5 / 55.3	-	-	-	2.12	3.0	/ 10.6	A	2	32.0	A	2	/ 4.8	A	208/3/60	92	100	12.2	13.2	R-410A	1,139	①②③④⑤⑥⑦⑧⑨⑩														

- NOTES:
- SHALL HAVE MULTIPLE COMPRESSORS.
 - WIRE SIZE FOR ALL LENNOX UNITS SHALL BE SUITABLE FOR AT LEAST 167° 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 RTU 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 (HMDTROL UNIT). INCLUDE MANUFACTURER'S HUMIDISTAT WITH UNIT. UNIT SUPPLIED BY PUBLIC.

NEW AIR DISTRIBUTION SCHEDULE									
MARK	USE	TYPE	MANUFACTURER	MODEL	MATERIAL	FINISH	MOUNTING	CONNECTION	NOTES
A	SUPPLY	DUCT REGISTER	LINDB	RGS-3	STEEL	SATIN SILVER	DUCT	HARD	- ADJUSTABLE DAMPER
B	SUPPLY	SQ. PLQUE	METALARE	5750-6-AS	ALUMINUMIZED STEEL	WHITE	LAY-IN	FLEX	3 W/OBD
C	SUPPLY	SQ. PLQUE	METALARE	5750-6-AS	ALUMINUMIZED STEEL	WHITE	SURFACE	FLEX	3 W/OBD, TBRF, 24x24 MODULE
D	SUPPLY	SQ. PLQUE	METALARE	5750-6-AS	ALUMINUMIZED STEEL	WHITE	SURFACE	FLEX	3 W/OBD, TBRF, 24x24 MODULE
E	SUPPLY	PERF. OFFUSER	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	H4004-1	ALUMINUM	WHITE	WALL	HARD	2 W/OBD, SQ. TO ROUND TRANS.
H	SUPPLY	LINEAR SLOT	METALARE	6675-12-1	ALUMINUM	WHITE	SURFACE	FLEX	- W/OBD, 12-1 & SDC INLET
I	RETURN	LOUVERED GRILLE	METALARE	BH-6	ALUMINUM	WHITE	LAY-IN	HARD	1 W/OBD
J	RETURN	SQ. PLQUE	METALARE	5750-6-AS	ALUMINUMIZED STEEL	WHITE	LAY-IN	FLEX	- W/OBD, 24x24 MODULE
K	RETURN	SQ. PLQUE	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-4-03	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	6500-FR	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 GRID SIZE SHALL BE 1/2" REFER TO M1 FOR NECK SIZE.
 - MINIMUM LOUVER GRID SIZE IS 1/2" REFER TO M1 FOR NECK SIZE.
 - PROVIDE BLANKET FOR 5750-6-AS OFFUSER DEPOTED 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							
DESIGN DATA	-	-	SYSTEM 1 COMPRESSOR - OUTSIDE AIR	-	-				
SUMMER OA DB / WB / Ws	F / F	93.7 / 77.3	QUANTITY	*	2				
SUPPLY AIR VOLUME	CFM	14,300	POWER	HP	10.0				
OUTSIDE AIR VOLUME (MIN / MAX)	CFM	2,600	MFOR / TYPE	-	COPELAND / SCROLL				
RETURN AIR VOLUME	CFM	11,700	MODEL	*	ZP20KCE / ZP20KCE				
SUPPLY AIR FAN	-	-	SYSTEM 2 COMPRESSORS - RETURN AIR	-	-				
FAN SPEED	RPM	1,131	QUANTITY	*	2				
EXT. STATIC PRESSURE	IN. W.C.	1.20	POWER	HP	10.0				
TOTAL STATIC PRESSURE	IN. W.C.	2.96	MFOR / TYPE	-	COPELAND / SCROLL				
POWER	HP	15	MODEL	*	ZP20KCE				
BRAKE HORSE POWER	BHP	9.53	O/A FILTERS	-	-				
NUMBER / SIZE	* / DIA	1 / 33"	MODEL	*	-				
FAN TYPE	-	AF SWG PLDGM	FAN TYPE	-	2" PLEATED - MERV-8				
MOTOR DRIVE	-	DIRECT DRIVE W/VFD	NUMBER / SIZE	* / ININ	5 / 16X20				
CONDENSER FAN	-	-	FACE VELOCITY	FFM	234				
NUMBER OF FANS	*	6							
FAN SPEED	RPM	1,140	R/A FILTERS	-	-				
POWER	HP	1.0	TYPE	-	2" PLEATED - MERV-8				
FAN SIZE / CLASS	DIA	30"	NUMBER / SIZE	* / ININ	3/16x20, 9/16x25				
FAN TYPE / CLASS	-	PROPELLER	FACE VELOCITY	FFM	369				
COOLING SYSTEM 1 - OUTDOOR AIR	-	-	HEAT	-	-				
TOTAL CAPACITY	BTU/H	254,692	TYPE	-	ELECTRIC				
SENSIBLE CAPACITY	BTU/H	13,682	INPUT CAPACITY	KW	55.0				
CONDITIONED AIR	CFM	2,600	CONDITIONED AIR	CFM	14,300				
COIL CIRCUITS	*	1	DELTA T	°F	12.2				
FACE AREA	SQ. FT.	79.2	COIL CIRCUITS	*	4				
ROWS / FPI	* / *IN	8 / 10	HEAT RECLAIM COIL	-	-				
EAT DB / WB	F / F	93.7 / 77.3	HEAT RECLAIM AVAILABLE	MBH	SEE AC HEATING SCHED.				
LAT DB / WB	F / F	47.8 / 47.3	TOTAL COIL CAPACITY	MBH	257,000				
AR PRESSURE DROP	IN. W.C.	0.41	CONDITION AIR VOLUME	CFM	3,350				
			BYPASS AIR VOLUME	CFM	10,950				
COOLING SYSTEM 2 - RETURN AIR	-	-	COIL CIRCUITS	*	2				
TOTAL CAPACITY	BTU/H	268,387	FACE AREA	SQ. FT.	12.0				
SENSIBLE CAPACITY	BTU/H	210,466	ROWS / FPI	* / *IN	4 / 10				
CONDITION AIR VOLUME	CFM	9,500	AR PRESSURE DROP	IN. W.C.	0.13				
COIL BYPASS AIR	CFM	2,200	PIPPING CONNECTION	IN / IN	1 5/8" / 1 5/8"				
COIL CIRCUITS	*	1							
FACE AREA	SQ. FT.	20.8	ELECTRICAL REQUIREMENTS	-	-				
ROWS / FPI	* / *IN	8 / 10	UNIT POWER	VOLTS / PH / HZ	208 / 3 / 60				
EAT DB / WB	F / F	68.7 / 58.7	CONTROL CIRCUIT POWER	VOLTS / PH / HZ	120 / 1 / 60				
LAT DB / WB	F / F	48.5 / 48.0	FUEL LOAD AMPS	-	-				
AR PRESSURE DROP	IN. W.C.	0.60	SUPPLY FAN	AMPS	42.0				
H.G.R. - STAGE 1 O/A & STAGE 2 R/A	-	-	CONDENSER FAN	AMPS	4.2 EA x 6 x 25.2				
REHEAT CAPACITY	BTU/H	322,382	SYSTEM 1 DEHUMIDIFICATION	AMPS	33.3				
CONDITIONED AIR VOLUME	CFM	9,500	SYSTEM 1 DEHUMIDIFICATION (TOD)	AMPS	33.3				
COIL BYPASS AIR	CFM	5,250	SYSTEM 2 RETURN AIR	AMPS	34.0 EA x 2 x 68.0				
COIL CIRCUITS	*	2	CONTROL TRANSFORMER AMPS	AMPS	7.2				
FACE AREA	SQ. FT.	17.7	ELECTRIC HEATER	AMPS	152.7				
ROWS / FPI	* / *IN	2 / 10	UNIT FEA	AMPS	209.0				
EAT DB / WB	F / F	53.1 / 50.4	UNIT MCA	AMPS	220				
LAT DB / WB	F / F	85.8 / 63.1	UNIT MDCP	AMPS	250				
AR PRESSURE DROP	IN. W.C.								