

PACKAGED AIR HANDLING UNIT SCHEDULE																																									
UNIT NO.	LOCATION	SERVICE	TYPE	FAN				MOTOR											CHILLED WATER COIL				ELECTRIC HEATING COIL				FILTERS					MIN OUTSIDE AIR CFM	REMARKS								
				MIN SP (IN. WG)	ACFM	BHP	RPM	HP	VOLTS/PH/Hz	RPM	TYPE	TOTAL CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	MAX FACE VEL (FPM)	ACFM	MAX AIR PD (IN. WG)	ROWS	MAX FPI	*FDB	*FDB	*FDB	*FDB	EAT	LAT	EWI (*F)	LWT (*F)	GPM	MAX WTR PD (FT)	HEATING CAPACITY (KW)	NUMBER OF STAGES	VOLTS/PH/Hz			DUCT SIZE (IN)	EFF. (%)	QTY	SIZE (IN.)	PD (IN. WG) CLEAN	REPLACE-MENT	OPER WT (LB)	MANUFACTURER/MODEL NO.
L-CS-160-AH-04	OSB	OSB (OFFICES)	DRAW THRU SINGLE ZONE	4.5	CENT	10600	13	1100	15	460/3/60	1750	DP	475	360	445	9700	0.95	8	11	86.5	68.1	52.0	51.8	42	54.3	88	11	—	—	—	—	TA	65	3	16X25X4 20X20X4	0.35	1.0	900	TRANE MCCA030	2880	
L-CS-191-AH-05	MAINTENANCE BUILDING	MAINTENANCE BUILDING	DRAW THRU	1.75	CENT	1500	0.8	1500	1.0	460/3/60	1750	DP	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	TA	30	2	16X16X2	0.2	0.75	150	TRANE MCCA003	750	

NOTES:

1. FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES SEE SHEETS LA-H-001 AND LA-H-002.

CONVECTOR SCHEDULE										
UNIT NO.	LOCATION	SERVICE	TYPE	POWER		OPER WT (LB)	MANUFACTURER/MODEL NO.	REMARKS		
				KW	VOLTS/PH/Hz					
L-CS-195-HT-01	MAINTENANCE BUILDING	FIRE PUMP ROOM	ELECTRIC	1.5	277/1/60	50	INDRECO			
L-CS-195-HT-02	MAINTENANCE BUILDING	FIRE PUMP ROOM	ELECTRIC	1.5	277/1/60	50	INDRECO			
L-CS-194-HT-03	MAINTENANCE BUILDING	DOMESTIC PUMP ROOM	ELECTRIC	1.5	277/1/60	50	INDRECO			
L-CS-196-HT-04	MAINTENANCE BUILDING	ELECTRIC ROOM	ELECTRIC	1.5	277/1/60	50	INDRECO			

AIR FILTER SCHEDULE															
UNIT NO.	LOCATION	SERVICE	TYPE	ACFM	EFFICIENCY PERCENT (%)	QTY	SIZE (IN.)	PD (IN. WG)		MANUFACTURER/MODEL NO.	REMARKS				
								CLEAN	REPLACE-MENT						
L-CS-107-AF-01	CORNER STATION	LVEA	TA	33,200	90	30	24	24X24X2	0.56	1.2	AAF VARICELL X				
L-CS-107-AF-02	CORNER STATION	LVEA	TA	33,200	90	30	24	24X24X2	0.56	0.75	AAF AMAIR 300X	PRE-FILTER			
L-CS-107-AF-03	CORNER STATION	OSB (LAB)	TA	24,000	90	30	16	24X24X2	0.56	0.75	AAF VARICELL X				
L-CS-107-AF-04	CORNER STATION	OSB (LAB)	TA	24,000	90	30	16	24X24X2	0.56	0.75	AAF AMAIR 300X	PRE-FILTER			
L-EA-203-AF-01	END STATION A	END STATION A	TA	13,200	90	30	8	24X24X2	0.56	1.2	AAF VARICELL X				
L-EA-203-AF-02	END STATION A	END STATION A	TA	13,200	90	30	8	24X24X2	0.56	0.75	AAF AMAIR 300X	PRE-FILTER			
L-EB-203-AF-01	END STATION B	END STATION B	TA	13,200	90	30	8	24X24X2	0.56	1.2	AAF VARICELL X				
L-EB-203-AF-02	END STATION B	END STATION B	TA	13,200	90	30	8	24X24X2	0.56	0.75	AAF AMAIR 300X	PRE-FILTER			

* IN ACCORDANCE WITH ASHRAE STD 52.1

FAN SCHEDULE																
UNIT NO.	LOCATION	SERVICE	TYPE	FAN				MOTOR				OPER WT (LB)	MANUFACTURER/MODEL NO.	REMARKS		
				ACFM	MIN TSP (IN. WG)	RPM	DRIVE	BHP	HP	VOLTS/PH/Hz	RPM				TYPE	
L-CS-107-SF-01	LVEA	LVEA	VANE AXIAL	16,600	6.0	1770	DIRECT	23.3	30	460/3/60	1770	DP	1800	JOY	29-17-1000-1770	TWO STAGE, 1000 SERIES
L-CS-107-SF-02	LVEA	LVEA	VANE AXIAL	16,600	6.0	1770	DIRECT	23.3	30	460/3/60	1770	DP	1800	JOY	29-17-1000-1770	TWO STAGE, 1000 SERIES
L-CS-107-SF-03	LVEA	LVEA	VANE AXIAL	16,600	6.0	1770	DIRECT	23.3	30	460/3/60	1770	DP	1800	JOY	29-17-1000-1770	TWO STAGE, 1000 SERIES
L-CS-107-SF-04	LVEA	LVEA	VANE AXIAL	16,600	6.0	1770	DIRECT	23.3	30	460/3/60	1770	DP	1800	JOY	29-17-1000-1770	TWO STAGE, 1000 SERIES
L-CS-107-SF-05	LVEA	OSB	VANE AXIAL	12,000	6.5	1770	DIRECT	21.7	25	460/3/60	1770	DP	1800	JOY	29-21-2000-1770	TWO STAGE, 2000 SERIES
L-CS-107-SF-06	LVEA	OSB	VANE AXIAL	12,000	6.5	1770	DIRECT	21.7	25	460/3/60	1770	DP	1800	JOY	29-21-2000-1770	TWO STAGE
L-EA-203-SF-01	END STATION A	END STATION A	VANE AXIAL	13,200	6.0	1770	DIRECT	18.5	25	460/3/60	1770	DP	1800	JOY	29-17-1000-1770	TWO STAGE
L-EA-203-SF-02	END STATION A	END STATION A	VANE AXIAL	13,200	6.0	1770	DIRECT	18.5	25	460/3/60	1770	DP	1800	JOY	29-17-1000-1770	TWO STAGE STANDBY
L-EB-203-SF-01	END STATION B	END STATION B	VANE AXIAL	13,200	6.0	1770	DIRECT	18.5	25	460/3/60	1770	DP	1800	JOY	29-17-1000-1770	TWO STAGE
L-EB-203-SF-02	END STATION B	END STATION B	VANE AXIAL	13,200	6.0	1770	DIRECT	18.5	25	460/3/60	1770	DP	1800	JOY	29-17-1000-1770	TWO STAGE STANDBY
L-CS-149-EF-01	OSB	OSB	IN-LINE	950	0.5	1725	DIRECT	--	1/3	120/1/60	1160	DP	82	COOK	SON-D-135	
L-CS-137-EF-02	OSB	OSB	IN-LINE	200	0.5	1725	DIRECT	--	1/6	120/1/60	1550	DP	46	COOK	SON-D-90	
L-EA-203-EF-01	END STATION A	END STATION A	IN-LINE	80	0.375	1725	DIRECT	--	1/12	120/1/60	1300	DP	25	COOK	SON-D-70	
L-EB-203-EF-01	END STATION B	END STATION B	IN-LINE	80	0.375	1725	DIRECT	--	1/12	120/1/60	1300	DP	25	COOK	SON-D-70	
L-CS-168-EF-03	OSB	FUME HOOD #1	IN-LINE	800	0.5	1160	DIRECT	0.20	0.25	120/1/60	1160	EP	30	HARTZELL	GDA-1B	FIBERGLASS CONSTRUCTION EXPLOSION PROOF MOTOR
L-CS-168-EF-04	OSB	FUME HOOD #2	IN-LINE	800	0.5	1160	DIRECT	0.20	0.25	120/1/60	1160	EP	30	HARTZELL	GDA-1B	FIBERGLASS CONSTRUCTION EXPLOSION PROOF MOTOR

AIR COMPRESSOR SCHEDULE												
UNIT NO.	LOCATION	SERVICE	TYPE	ACFM	PSIG	MIN TANK CAPACITY (GAL)	HP	VOLTS/PH/Hz	OPER WT (LB)	MANUFACTURER	REMARKS	COMPRESSOR
L-CS-190-AC-01	CHILLER YARD	CORNER STATION	RECIPROCATING	17	100	120	5	460/3/60	1250	INGERSOLL RAND	AFTERCOLER DESICCANT DRYER FOR -40°F DEW POINT, OUTDOOR CONSTRUCTION. THE AIR DRYER SHALL BE INSTALLED NEXT TO THE AIR COMPRESSOR AT CHILLER YARD.	
L-CS-190-AC-02	CHILLER YARD	CORNER STATION	RECIPROCATING	17	100	120	5	460/3/60	1250	INGERSOLL RAND	AFTERCOLER DESICCANT DRYER FOR -40°F DEW POINT, OUTDOOR CONSTRUCTION. THE AIR DRYER SHALL BE INSTALLED NEXT TO THE AIR COMPRESSOR AT CHILLER YARD.	
L-EA-200-AC-01	CHILLER YARD	END STATION "A"	RECIPROCATING	17	100	120	5	460/3/60	1250	INGERSOLL RAND	AFTERCOLER DESICCANT DRYER FOR -40°F DEW POINT, OUTDOOR CONSTRUCTION. THE AIR DRYER SHALL BE INSTALLED NEXT TO THE AIR COMPRESSOR AT CHILLER YARD.	
L-EA-200-AC-02	CHILLER YARD	END STATION "A"	RECIPROCATING	17	100	120	5	460/3/60	1250	INGERSOLL RAND	AFTERCOLER DESICCANT DRYER FOR -40°F DEW POINT, OUTDOOR CONSTRUCTION. THE AIR DRYER SHALL BE INSTALLED NEXT TO THE AIR COMPRESSOR AT CHILLER YARD.	
L-EB-200-AC-01	CHILLER YARD	END STATION "B"	RECIPROCATING	17	100	120	5	460/3/60	1250	INGERSOLL RAND	AFTERCOLER DESICCANT DRYER FOR -40°F DEW POINT, OUTDOOR CONSTRUCTION. THE AIR DRYER SHALL BE INSTALLED NEXT TO THE AIR COMPRESSOR AT CHILLER YARD.	
L-EB-200-AC-02	CHILLER YARD	END STATION "B"	RECIPROCATING	17	100	120	5	460/3/60	1250	INGERSOLL RAND	AFTERCOLER DESICCANT DRYER FOR -40°F DEW POINT, OUTDOOR CONSTRUCTION. THE AIR DRYER SHALL BE INSTALLED NEXT TO THE AIR COMPRESSOR AT CHILLER YARD.	

CHILLED WATER CIRCULATING PUMP SCHEDULE																	
UNIT NO.	LOCATION	SERVICE	TYPE	FLUID PUMPED	MAX FLUID TEMP (°F)	GPM	TOTAL HEAD (FT)	NPSH (FT)	BHP	HP	MOTOR				OPER WT (LB)	AURORA MANUFACTURER/MODEL NOS.	REMARKS
											VOLTS/PH/Hz	RPM	TYPE	TYPE			
L-CS-190-WP-01	CORNER STN	CORNER STN	CENTRIFUGAL	40% GLYCOL	60	367	125	10	17	20	460/3/60	3500	CENT	650	2.5/3/7B 344-A-B-F	25% GLYCOL	
L-CS-190-WP-02	CORNER STN	CORNER STN	CENTRIFUGAL	40% GLYCOL	60	367	125	10	17	20	460/3/60	3500	CENT	650	2.5/3/7B 344-A-B-F	25% GLYCOL	
L-CS-190-WP-03	CORNER STN	CORNER STN	CENTRIFUGAL	40% GLYCOL	60	367	125	10	17	20	460/3/60	3500	CENT	650	2.5/3/7B 344-A-B-F	25% GLYCOL (STANDBY)	
L-EA-200-WP-01	END STN A	END STN A	CENTRIFUGAL	40% GLYCOL	60	105	120	6	5	7 1/2	460/3/60	3500	CENT	400	1.5/12/7 344-A-B-F	25% GLYCOL	
L-EA-200-WP-02	END STN A	END STN A	CENTRIFUGAL	40% GLYCOL	60	105	120	6	5	7 1/2	460/3/60	3500	CENT	400	1.5/12/7 344-A-B-F	25% GLYCOL (STANDBY)	
L-EB-200-WP-01	END STN B	END STN B	CENTRIFUGAL	40% GLYCOL	60	105	120	6	5	7 1/2	460/3/60	3500	CENT	400	1.5/12/7 344-A-B-F	25% GLYCOL	
L-EB-200-WP-02	END STN B	END STN B	CENTRIFUGAL	40% GLYCOL	60	105	120	6	5	7 1/2	460/3/60	3500	CENT	400	1.5/12/7 344-A-B-F	25% GLYCOL (STANDBY)	

GLYCOL FEED PUMP SCHEDULE										
UNIT NO.	LOCATION	SERVICE	FLOW RATE (GPM)	PRESSURE RANGE (PSIG)	HP	VOLTS/PH/Hz	OPERATING WT (LBS)	MANUFACTURER/MODEL NO.	TANK CAPACITY (GAL)	REMARKS
L-CS-107-GP-01	MECH ROOM	CORNER STATION	1.7	10-70	0.5	110/3/60	1000	WESSELLS GMP-2102	100	SELF-CONTAINED CONTROLS
L-EA-203-GP-01	MECH ROOM	END STATION "A"	1.7	10-70	0.5	110/3/60	500	WESSELLS GMP-2052	50	SELF-CONTAINED CONTROLS
L-EB-203-GP-01	MECH ROOM	END STATION "B"	1.7	10-70	0.5	110/3/60	500	WESSELLS GMP-2052	50	SELF-CONTAINED CONTROLS

CHEMICAL POT FEEDER SCHEDULE						
UNIT NO.	LOCATION	MIN SIZE (GAL)	OPER WT (LB)	CONSTRUCTION PRESSURE (PSIG)	MANUFACTURER/MODEL NO.	REMARKS
L-CS-107-CF-01	CORNER STATION	5	100	125	J.L. WINGERT	
L-EA-203-CF-01	END STATION A	5	100	125	J.L. WINGERT	
L-EB-203-CF-01	END STATION B	5	100	125	J.L. WINGERT	

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NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
3	5-21-99	AO	K.A	AA	MDW	ISSUED AS REVISED AS-BUILT
2	8-7-98	DJB	AA	AA	MDW	ISSUED FOR AS-BUILT
1	3-20-97	WAK	AA	AA	TDM	REVISED AIR COMP AND AHU SCHEDULE

ISSUED FOR CONSTRUCTION DRAWN CLP 11-15-96 CHECKED MN 10-25-96 ENGINEER AA 10-23-96 PROJ TDM 11-15-96	AS-BUILT DRAWINGS
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100 WEST WALNUT STREET
PASADENA, CALIFORNIA

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LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY SITE NO.2 - LIVINGSTON, LOUISIANA

TITLE	SCALE	CONTRACT NUMBER	PROJECT NUMBER
	NONE	PP150969	8094
SHEET NUMBER	REVISIONS		
LA-H-004			

HVAC EQUIPMENT SCHEDULES SHEET 2

5/23/99 2:40:02 PM C:\PLOT\DUKE\53-T3882.dwg 52065 K5T3882.mdb06.prf