PACKAGED AIR HANDLING UNIT SCHEDULE

UNIT NO.	LOCATION	SERVICE	TYPE	MIN SP (IN. WG)	FAN TYPE	FAN ACFM	FAN BHP	FAN RPM	MOTOR HP	MOTOR VOLTS/PH/HZ	MOTOR RPM	MOTOR TYPE	CHILLED WATER COIL TOTAL CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	MAX FACE VEL (FPM)	ACFM	MAX AIR PD (IN. WG)	ROWS	MAX FPI	EAT *FDB	EAT *FWB	LAT *FDB	LAT *FWB	EWT (*F)	LWT (*F)	GPM	MAX WTR PD (FT)	ELECTRIC HEATING COIL HEATING CAPACITY (KW)	NUMBER OF STAGES	VOLTS/PH/HZ	DUCT SIZE (IN)	FILTERS TYPE	EFF (%)	QTY	SIZE (IN.)	PD (IN. WG) CLEAN	PD (IN. WG) REPLACE-MENT	OPER WT (LB)	MANUFACTURER/ MODEL NO.	MIN OUTSIDE AIR CFM	REMARKS
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 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 KW	POWER VOLT/PH/HZ	OPER WT (LB)	MANUFACTURER/ MODEL NO.	REMARKS
L-CS-195-HT-01	MAINTENANCE BUILDING	FIRE PUMP ROOM	ELECTRIC	1.5	277/1/60	50	INDEECO	
L-CS-195-HT-02	MAINTENANCE BUILDING	FIRE PUMP ROOM	ELECTRIC	1.5	277/1/60	50	INDEECO	
L-CS-194-HT-03	MAINTENANCE BUILDING	DOMESTIC PUMP ROOM	ELECTRIC	1.5	277/1/60	50	INDEECO	
L-CS-196-HT-04	MAINTENANCE BUILDING	ELECTRIC ROOM	ELECTRIC	1.5	277/1/60	50	INDEECO	

FAN SCHEDULE

UNIT NO.	LOCATION	SERVICE	TYPE	FAN ACFM	FAN MIN TSP (IN. WG)	FAN RPM	FAN DRIVE	FAN BHP	MOTOR HP	MOTOR VOLTS/PH/HZ	MOTOR RPM	MOTOR TYPE	OPER WT (LB)	MANUFACTURER/ MODEL NO.	REMARKS
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	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	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	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	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 SQN-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 SQN-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 SQN-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 SQN-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 GDVA-18	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 GDVA-18	FIBERGLASS CONSTRUCTION EXPLOSION PROOF MOTOR

CHILLED WATER CIRCULATING PUMP SCHEDULE

UNIT NO.	LOCATION	SERVICE	TYPE	FLUID PUMPED	MAX FLUID TEMP (*F)	GPM	TOTAL HEAD (FT)	NPSH (FT)	BHP	MOTOR HP	MOTOR VOLTS/PH/HZ	MOTOR RPM	MOTOR TYPE	OPER WT (LB)	AURORA MANUFACTURER/ MODEL NOS.	REMARKS
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	7½	460/3/60	3500	CENT	400	1½/12/7 344-A-B.F	25% GLYCOL
L-EA-200-WP-02	END STN A	END STN A	CENTRIFUGAL	40% GLYCOL	60	105	120	6	5	7½	460/3/60	3500	CENT	400	1½/12/7 344-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	7½	460/3/60	3500	CENT	400	1½/12/7 344-A-B.F	25% GLYCOL
L-EB-200-WP-02	END STN B	END STN B	CENTRIFUGAL	40% GLYCOL	60	105	120	6	5	7½	460/3/60	3500	CENT	400	1½/12/7 344-A-B.F	25% GLYCOL (STANDBY)

AIR FILTER SCHEDULE

UNIT NO.	LOCATION	SERVICE	TYPE	ACFM	EFFICIENCY PERCENT (%) *	QTY	SIZE (IN.)	PD (IN. WG) CLEAN	PD (IN. WG) REPLACE-MENT	MANUFACTURER/ MODEL NO.	REMARKS
L-CS-107-AF-01	CORNER STATION	LVEA	TA	33,200	90 30	24 24	24X24X12 24X24X2	0.56 0.3	1.2 0.75	AAF VARICELL AAF AMAIR 300X	X PRE-FILTER
L-CS-107-AF-02	CORNER STATION	LVEA	TA	33,200	90 30	24 24	24X24X12 24X24X2	0.56 0.3	1.2 0.75	AAF VARICELL AAF AMAIR 300X	X PRE-FILTER
L-CS-107-AF-03	CORNER STATION	OSB (LAB)	TA	24,000	90 30	16 16	24X24X12 24X24X2	0.56 0.3	1.2 0.75	AAF VARICELL AAF AMAIR 300X	X PRE-FILTER
L-EA-203-AF-01	END STATION A	END STATION A	TA	13,200	90 30	8 8	24X24X12 24X24X2	0.56 0.3	1.2 0.75	AAF VARICELL AAF AMAIR 300X	X PRE-FILTER
L-EA-203-AF-02	END STATION A	END STATION A	TA	13,200	90 30	8 8	24X24X12 24X24X2	0.56 0.3	1.2 0.75	AAF VARICELL AAF AMAIR 300X	X PRE-FILTER
L-EB-203-AF-01	END STATION B	END STATION B	TA	13,200	90 30	8 8	24X24X12 24X24X2	0.56 0.3	1.2 0.75	AAF VARICELL AAF AMAIR 300X	X PRE-FILTER
L-EB-203-AF-02	END STATION B	END STATION B	TA	13,200	90 30	8 8	24X24X12 24X24X2	0.56 0.3	1.2 0.75	AAF VARICELL AAF AMAIR 300X	X PRE-FILTER

* IN ACCORDANCE WITH ASHRAE STD 52.1

AIR COMPRESSOR SCHEDULE

UNIT NO.	LOCATION	SERVICE	COMPRESSOR TYPE	COMPRESSOR ACFM	COMPRESSOR PSIG	MIN TANK CAPACITY (GAL)	HP	VOLTS/PH/HZ	OPER WT (LB)	MANUFACTURER	REMARKS
L-CS-190-AC-01	CHILLER YARD	CORNER STATION	RECIPROCATING	17	100	120	5	460/3/60	1250	INGERSOLL RAND	AFTERCOOLER 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		5	460/3/60			
L-EA-200-AC-01	CHILLER YARD	END STATION "A"	RECIPROCATING	17	100	120	5	460/3/60	1250	INGERSOLL RAND	AFTERCOOLER 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		5	460/3/60			
L-EB-200-AC-01	CHILLER YARD	END STATION "B"	RECIPROCATING	17	100	120	5	460/3/60	1250	INGERSOLL RAND	AFTERCOOLER 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		5	460/3/60			

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	WESSELS 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	WESSELS 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	WESSELS 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 5	
L-EA-203-CF-01	END STATION A	5	100	125	J.L. WINGERT 5	
L-EB-203-CF-01	END STATION B	5	100	125	J.L. WINGERT 5	

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REFERENCES

DRAWING NO.	DESCRIPTION

REVISIONS

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

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

TITLE: HVAC EQUIPMENT SCHEDULES SHEET 2

SCALE: NONE | CONTRACT NUMBER: PP150969 | PROJECT NUMBER: 8094

SHEET NUMBER: LA-H-004 | REVISIONS: 3

LIGOLAF.BDR

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