

BUILT-UP AIR HANDLING UNIT SCHEDULE

UNIT NO.	LOCATION	SERVICE	TYPE	SUPPLY AIR FAN *	CHILLED WATER COIL *	HEATING COIL *	HUMIDIFIER *	FILTER *	AIR FLOW		REMARKS
									SUPPLY AIR CFM	OUTSIDE AIR CFM	
L-CS-107-AH-01	LVEA BUILDING	LVEA	BUILT-UP	L-CS-107-SF-01 L-CS-107-SF-02	L-CS-107-CC-01 L-CS-107-CC-02	----	----	L-CS-107-AF-01	33,000	2,600	CONTRACTOR WILL SUBMIT SHOP DRAWINGS SHOWING CONSTRUCTION DETAILS FOR APPROVAL
L-CS-107-AH-02	LVEA BUILDING	LVEA	BUILT-UP	L-CS-107-SF-03 L-CS-107-SF-04	L-CS-107-CC-03 L-CS-107-CC-04	----	----	L-CS-107-AF-02	33,000	2,600	CONTRACTOR WILL SUBMIT SHOP DRAWINGS SHOWING CONSTRUCTION DETAILS FOR APPROVAL
L-CS-107-AH-03	LVEA BUILDING	OSB (LAB)	BUILT-UP	L-CS-107-SF-05 L-CS-107-SF-06	L-CS-107-CC-05 L-CS-107-CC-06	L-CS-107-HC-09 L-CS-107-HC-10	----	L-CS-107-AF-03	24,000	1,720	CONTRACTOR WILL SUBMIT SHOP DRAWINGS SHOWING CONSTRUCTION DETAILS FOR APPROVAL
L-EA-203-AH-01	END STATION A	END STATION A	BUILT-UP	L-EA-203-SF-01 L-EA-203-SF-02	L-EA-203-CC-01 L-EA-203-CC-02	----	----	L-EA-203-AF-01 L-EA-203-AF-02	13,200	840	CONTRACTOR WILL SUBMIT SHOP DRAWINGS SHOWING CONSTRUCTION DETAILS FOR APPROVAL
L-EB-203-AH-01	END STATION B	END STATION B	BUILT-UP	L-EB-203-SF-01 L-EB-203-SF-02	L-EB-203-CC-01 L-EB-203-CC-02	----	----	L-EB-203-AF-01 L-EB-203-AF-02	13,200	840	CONTRACTOR WILL SUBMIT SHOP DRAWINGS SHOWING CONSTRUCTION DETAILS FOR APPROVAL

NOTES:

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

* SEE INDIVIDUAL EQUIPMENT SCHEDULES

PACKAGED AIR-COOLED WATER CHILLER SCHEDULE

UNIT NO.	LOCATION	SERVICE	TYPE	CHILLED FLUID	AMBIENT			COMPRESSOR		MINIMUM CAPACITY (TONS)	MAX KW	REFRIGERANT	EVAPORATOR			CONDENSER		SINGLE POINT ELECT CONN		OPER WT (LB)	MANUFACTURER/ MODEL NO.	REMARKS		
					DESIGN TEMP (*F DB)	ALTITUDE (FT)	MIN OPER TEMP (*F DB)	TYPE	DRIVER				ENT TEMP (*F)	LWC TEMP (*F)	GPM	MAX PD (FT)	NO. FANS EACH UNIT	HP EACH FAN	VOLTS/ PH/Hz				TOTAL RLA	TOTAL LRA
L-CS-190-CH-01	CORNER STATION	CORNER STATION	AIR COOLED	WATER 40% GLYCOL	100	400	0°F	SCREW	ELECT MOTOR	190	296	R-22	53.3	42	367	15	17	1.5	460/3/60	163	896	16800	TRANE RTAA 240	ALL PERFORMANCE DATA ARE AT ACTUAL CONDITIONS, LOW AMBIENT (20°F)
L-CS-190-CH-02	CORNER STATION	CORNER STATION	AIR COOLED	WATER 40% GLYCOL	100	400	0°F	SCREW	ELECT MOTOR	190	296	R-22	53.3	42	367	15	17	1.5	460/3/60	163	896	16800	TRANE RTAA 240	ALL PERFORMANCE DATA ARE AT ACTUAL CONDITIONS, LOW AMBIENT (20°F)
L-CS-190-CH-03	CORNER STATION	CORNER STATION	AIR COOLED	WATER 40% GLYCOL	100	400	0°F	SCREW	ELECT MOTOR	190	296	R-22	53.3	42	367	15	17	1.5	460/3/60	163	896	16800	TRANE RTAA 240	ALL PERFORMANCE DATA ARE AT ACTUAL CONDITIONS, LOW AMBIENT (20°F), STANDBY
L-EA-200-CH-01	END STATION A	END STATION A	AIR COOLED	WATER 40% GLYCOL	100	400	0°F	SCREW	ELECT MOTOR	59	77	R-22	54.8	42	105	15	8	1.1	460/3/60	112	229	4950	TRANE RTAA 70	ALL PERFORMANCE DATA ARE AT ACTUAL CONDITIONS, LOW AMBIENT (20°F)
L-EA-200-CH-02	END STATION A	END STATION A	AIR COOLED	WATER 40% GLYCOL	100	400	0°F	SCREW	ELECT MOTOR	59	77	R-22	54.8	42	105	15	8	1.1	460/3/60	112	229	4950	TRANE RTAA 70	ALL PERFORMANCE DATA ARE AT ACTUAL CONDITIONS, LOW AMBIENT (20°F), STANDBY
L-EB-200-CH-01	END STATION B	END STATION B	AIR COOLED	WATER 40% GLYCOL	100	400	0°F	SCREW	ELECT MOTOR	59	77	R-22	54.8	42	105	15	8	1.1	460/3/60	112	229	4950	TRANE RTAA 70	ALL PERFORMANCE DATA ARE AT ACTUAL CONDITIONS, LOW AMBIENT (20°F)
L-EB-200-CH-02	END STATION B	END STATION B	AIR COOLED	WATER 40% GLYCOL	100	400	0°F	SCREW	ELECT MOTOR	59	77	R-22	54.8	42	105	15	8	1.1	460/3/60	112	229	4950	TRANE RTAA 70	ALL PERFORMANCE DATA ARE AT ACTUAL CONDITIONS, LOW AMBIENT (20°F), STANDBY

CHILLED WATER COOLING COIL SCHEDULE

UNIT NO.	LOCATION	SERVICE	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	MAX FACE VEL (FPM)	ACFM	MAX AIR PD (IN. WG)	ROWS	MAX FPI	EAT		LAT		EWT (*F)	LWT (*F)	GPM	MAX WTR PD (FT)	MANUFACTURER/ MODEL NO.	OVERALL SIZE (IN. X IN.)	REMARKS
										*FDB	*FWB	*FDB	*FWB							
L-CS-107-CC-01	CORNER STATION	LVEA	535	495	435	14,500	0.80	8	11	82.8	63.8	50.7	50.6	42	53.8	106	12	TRANE	72 X 68	25% GLYCOL
L-CS-107-CC-02	CORNER STATION	LVEA	535	495	435	14,500	0.80	8	11	82.8	63.8	50.7	50.6	42	53.8	106	12	TRANE	72 X 68	25% GLYCOL
L-CS-107-CC-03	CORNER STATION	LVEA	535	495	435	14,500	0.80	8	11	82.8	63.8	50.7	50.6	42	53.8	106	12	TRANE	72 X 68	25% GLYCOL
L-CS-107-CC-04	CORNER STATION	LVEA	535	495	435	14,500	0.80	8	11	82.8	63.8	50.7	50.6	42	53.8	106	12	TRANE	72 X 68	25% GLYCOL
L-CS-107-CC-05	CORNER STATION	OSB	430	390	445	11,500	0.80	8	11	83.1	62.7	50.4	50.3	42	54.4	85	15	COLMAC	2(36 X 105)	25% GLYCOL
L-CS-107-CC-06	CORNER STATION	OSB	430	390	445	11,500	0.80	8	11	83.1	62.7	50.4	50.3	42	54.4	85	15	COLMAC	2(36 X 105)	25% GLYCOL
L-EA-203-CC-01	END STATION A	END STATION A	460	420	460	11,400	0.85	8	11	85.7	64.6	50.5	50.4	42	53.5	95	10	TRANE	2(30 X 60)	25% GLYCOL
L-EA-203-CC-02	END STATION A	END STATION A	460	420	460	11,400	0.85	8	11	85.7	64.6	50.5	50.4	42	53.5	95	10	TRANE	2(30 X 60)	25% GLYCOL
L-EB-203-CC-01	END STATION B	END STATION B	460	420	460	11,400	0.85	8	11	85.7	64.6	50.5	50.4	42	53.5	95	10	TRANE	2(30 X 60)	25% GLYCOL
L-EB-203-CC-02	END STATION B	END STATION B	460	420	460	11,400	0.85	8	11	85.7	64.6	50.5	50.4	42	53.5	95	10	TRANE	2(30 X 60)	25% GLYCOL

EXPANSION TANK SCHEDULE

UNIT NO.	LOCATION	SERVICE	TYPE	MIN CAP (GAL)	MAX WORKING PRESS (PSIG)	MAX OPER TEMP (*F)	OPER WT (LB)	MANUFACTURER/ MODEL NO.	REMARKS
L-CS-107-TK-01	CORNER STATION	CHILLED WATER	DIAPHRAM	45	150	110	510	WHEATLEY WPA-170	
L-EA-203-TK-01	END STATION A	CHILLED WATER	DIAPHRAM	23	150	110	285	WHEATLEY WPA-084	
L-EB-203-TK-01	END STATION B	CHILLED WATER	DIAPHRAM	23	150	110	285	WHEATLEY WPA-084	

AIR SEPARATOR SCHEDULE

UNIT NO.	LOCATION	SERVICE	MIN CAP (GPM)	SIZE (IN.)	OPER WT (LB)	MANUFACTURER/ MODEL NO.	REMARKS
L-CS-107-AS-01	CORNER STATION	CHILLED WATER	700	6"	750	WHEATLEY TAS060	
L-EA-203-AS-01	END STATION A	CHILLED WATER	170	3"	200	WHEATLEY TAS030	
L-EB-203-AS-01	END STATION B	CHILLED WATER	170	3"	200	WHEATLEY TAS030	

ISSUED FOR CONSTRUCTION

DRAWN	CLP	11-15-96
CHECKED	MN	10-25-96
ENGINEER	AA	1-23-96
PROJ	TDM	11-15-96

AS-BUILT DRAWINGS



100 WEST WALNUT STREET
PASADENA, CALIFORNIA



CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LIGO-D960962-03-0
LASER INTERFEROMETER
GRAVITATIONAL-WAVE OBSERVATORY
SITE NO.2 - LIVINGSTON, LOUISIANA

TITLE	SCALE	CONTRACT NUMBER	PROJECT NUMBER
HVAC EQUIPMENT SCHEDULES SHEET 1	NONE	PPI50969	8094
DRAWING NO.	DESCRIPTION	SHEET NUMBER	REVISIONS
LA-H-003		3	

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