

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-HU-01 L-CS-107-HU-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-HU-03 L-CS-107-HU-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-HU-05 L-CS-107-HU-06	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-HU-01 L-EA-203-HU-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-HU-01 L-EB-203-HU-02	L-EB-203-AF-01 L-EB-203-AF-02	13,200	840	CONTRACTOR WILL SUBMIT SHOP DRAWINGS SHOWING CONSTRUCTION DETAILS FOR APPROVAL

* SEE INDIVIDUAL EQUIPMENT SCHEDULES

NOTES:

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

PACKAGED AIR-COOLED WATER CHILLER SCHEDULE

UNIT NO.	LOCATION	SERVICE	TYPE	CHILLED FLUID	DESIGN TEMP (°F DB)	AMBIENT		COMPRESSOR		MINIMUM CAPACITY (TONS)	MAX KW	REFRIGERANT	EVAPORATOR			CONDENSER		SINGLE POINT ELECT COMM		OPER WT (LB)	MANUFACTURER/ MODEL NO.	REMARKS		
						ALTITUDE (FT)	MIN OPER TEMP (°F DB)	TYPE	DRIVER				ENT TEMP (°F)	LEV 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 100% 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 100% 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 100% 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 100% 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 100% 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 100% 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-02	END STATION B	END STATION B	AIR COOLED	WATER 100% 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	EAT				LAT				EWT (°F)	LWT (°F)	GPM	MAX WTR PD (FT)	MANUFACTURER/ MODEL NO.	OVERALL SIZE (IN. X IN.)	REMARKS
									*FDB	*FMB	*FDB	*FMB	*FDB	*FMB	*FDB	*FMB							
L-CS-107-CC-01	CORNER STATION	LVEA	525	495	4.35	14,500	0.80	8	11	82.8	63.8	50.7	50.6	42	53.8	106	12	CARRIER BC	72 X 68	25% GLYCOL			
L-CS-107-CC-02	CORNER STATION	LVEA	525	495	4.35	14,500	0.80	8	11	82.8	63.8	50.7	50.6	42	53.8	106	12	CARRIER BC	72 X 68	25% GLYCOL			
L-CS-107-CC-03	CORNER STATION	LVEA	525	495	4.35	14,500	0.80	8	11	82.8	63.8	50.7	50.6	42	53.8	106	12	CARRIER BC	72 X 68	25% GLYCOL			
L-CS-107-CC-04	CORNER STATION	LVEA	525	495	4.35	14,500	0.80	8	11	82.8	63.8	50.7	50.6	42	53.8	106	12	CARRIER BC	72 X 68	25% GLYCOL			
L-CS-107-CC-05	CORNER STATION	OSB	430	390	4.45	11,500	0.80	8	11	83.1	62.7	50.4	50.3	42	54.4	85	15	CARRIER BC	36 X 105	25% GLYCOL			
L-CS-107-CC-06	CORNER STATION	OSB	430	390	4.45	11,500	0.80	8	11	83.1	62.7	50.4	50.3	42	54.4	85	15	CARRIER BC	36 X 105	25% GLYCOL			
L-EA-203-CC-01	END STATION A	END STATION A	460	420	4.60	11,400	0.85	8	11	85.7	64.6	50.5	50.4	42	53.5	95	10	CARRIER BC	2130 X 601	25% GLYCOL			
L-EA-203-CC-02	END STATION A	END STATION A	460	420	4.60	11,400	0.85	8	11	85.7	64.6	50.5	50.4	42	53.5	95	10	CARRIER BC	2130 X 601	25% GLYCOL			
L-EB-203-CC-01	END STATION B	END STATION B	460	420	4.60	11,400	0.85	8	11	85.7	64.6	50.5	50.4	42	53.5	95	10	CARRIER BC	2130 X 601	25% GLYCOL			
L-EB-203-CC-02	END STATION B	END STATION B	460	420	4.60	11,400	0.85	8	11	85.7	64.6	50.5	50.4	42	53.5	95	10	CARRIER BC	2130 X 601	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	YACO CK170	
L-EA-203-TK-01	END STATION A	CHILLED WATER	DIAPHRAM	23	150	110	285	YACO CK84	
L-EB-203-TK-01	END STATION B	CHILLED WATER	DIAPHRAM	23	150	110	285	YACO CK84	

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	BELL & GOSSETT R-6	
L-EA-203-AS-01	END STATION A	CHILLED WATER	170	3"	200	BELL & GOSSETT R-2	
L-EB-203-AS-01	END STATION B	CHILLED WATER	170	3"	200	BELL & GOSSETT R-3	

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

HVAC
 EQUIPMENT SCHEDULES
 SHEET 1

SCALE NONE
 CONTRACT NUMBER PP150969
 PROJECT NUMBER 8094
 SHEET NUMBER LA-H-003

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