

**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	
W-CS-107-AH-01	LVEA BUILDING	LVEA	BUILT-UP	W-CS-107-SF-01	W-CS-107-CC-01	----	W-CS-107-HU-01	W-CS-107-AF-01	43,000	3,100	CONTRACTOR WILL SUBMIT SHOP DRAWINGS FOR CONSTRUCTION DETAILS
				W-CS-107-SF-02	W-CS-107-CC-02	----	W-CS-107-HU-02				
W-CS-107-AH-02	LVEA BUILDING	LVEA	BUILT-UP	W-CS-107-SF-03	W-CS-107-CC-03	----	W-CS-107-HU-03	W-CS-107-AF-02	43,000	3,100	CONTRACTOR WILL SUBMIT SHOP DRAWINGS FOR CONSTRUCTION DETAILS
				W-CS-107-SF-04	W-CS-107-CC-04	----	W-CS-107-HU-04				

\* SEE INDIVIDUAL EQUIPMENT SCHEDULES

**NOTES:**  
 1. FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES SEE SHEETS WA-H-001 AND WA-H-002.

**PACKAGED AIR-COOLED WATER CHILLER SCHEDULE**

UNIT NO.	LOCATION	SERVICE	TYPE	CHILLED FLUID	DESIGN TEMP (°F DB)	AMBIENT ALTITUDE (FT)	MIN OPER TEMP (°F DB)	COMPRESSOR		MINIMUM CAPACITY (TONS)	MAX KW	REFRIGERANT	EVAPORATOR		CONDENSER NO. FANS EACH UNIT	SINGLE POINT ELECT CONN	OPER WT (LB)	MANUFACTURER/ MODEL NO.	REMARKS					
								TYPE	DRIVER				LVC TEMP (°F)	MAX GPW (°F)						TOTAL RLA	TOTAL LRA			
W-CS-190-CH-01	CORNER STATION	CORNER STATION	AIR COOLED	WATER 40% GLYCOL	105	400	0°F	SCREW	ELECT MOTOR	227	366	R-22	54.8	42	365	15	21	1.5	460/3/60	489	1222	18,000	TRANE RTAA 240	ALL PERFORMANCE DATA ARE AT ACTUAL CONDITIONS, LOW AMBIENT (-10°F)
W-CS-190-CH-02	CORNER STATION	CORNER STATION	AIR COOLED	WATER 40% GLYCOL	105	400	0°F	SCREW	ELECT MOTOR	227	366	R-22	54.8	42	365	15	21	1.5	460/3/60	489	1222	18,000	TRANE RTAA 240	ALL PERFORMANCE DATA ARE AT ACTUAL CONDITIONS, LOW AMBIENT (-10°F)
W-CS-190-CH-03	CORNER STATION	CORNER STATION	AIR COOLED	WATER 40% GLYCOL	105	400	0°F	SCREW	ELECT MOTOR	227	366	R-22	54.8	42	365	15	21	1.5	460/3/60	489	1222	18,000	TRANE RTAA 240	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)	PONS	MAX FPI	EAT			LAT			LWT (°F)	GPM	MAX WTR PD (FT)	MANUFACTURER/ MODEL NO.	OVERALL SIZE (IN. X IN.)	REMARKS
										°F	°F	°F	°F	°F	°F						
W-CS-107-CC-01	CORNER STATION	LVEA	640	630	410	18,000	0.60	8	11	82.9	62.1	50.3	49.3	42	56.4	108	15	CARRIER BC	96 X 68	40% GLYCOL	
W-CS-107-CC-02	CORNER STATION	LVEA	640	630	410	18,000	0.60	8	11	82.9	62.1	50.3	49.3	42	56.4	108	15	CARRIER BC	96 X 68	40% GLYCOL	
W-CS-107-CC-03	CORNER STATION	LVEA	640	630	410	18,000	0.60	8	11	82.9	62.1	50.3	49.3	42	56.4	108	15	CARRIER BC	96 X 68	40% GLYCOL	
W-CS-107-CC-04	CORNER STATION	LVEA	640	630	410	18,000	0.60	8	11	82.9	62.1	50.3	49.3	42	56.4	108	15	CARRIER BC	96 X 68	40% 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
W-CS-107-TK-01	CORNER STATION	CHILLED WATER	DIAPHRAM	79	150	110	510	TACO CX170	

**AIR SEPARATOR SCHEDULE**

UNIT NO.	LOCATION	SERVICE	MIN CAP (GPM)	CONN SIZE (IN.)	OPER WT (LB)	MANUFACTURER/ MODEL NO.	REMARKS
W-CS-107-AS-01	CORNER STATION	CHILLED WATER	700	6"	750	BELL & GOSSETT R-6	

**CHILLED WATER CIRCULATING PUMP SCHEDULE**

UNIT NO.	LOCATION	SERVICE	TYPE	FLUID PUMPED	MAX FLUID TEMP (°F)	GPM	TOTAL HEAD (FT)	NPSH (FT)	BHP	MOTOR			OPER WT (LB)	MANUFACTURER/ MODEL NO.	REMARKS	
										HP	VOLTS/ PH/Hz	RPM				TYPE
W-CS-190-WP-01	CORNER STN	CORNER STN	CENTRIFUGAL	40% GLYCOL	60	365	140	10	18	20	460/3/60	3500	CENT	650	PACO, TYPE L 2570-7 (24.33X7)	40% GLYCOL
W-CS-190-WP-02	CORNER STN	CORNER STN	CENTRIFUGAL	40% GLYCOL	60	365	140	10	18	20	460/3/60	3500	CENT	650	PACO, TYPE L 2570-7 (24.33X7)	40% GLYCOL
W-CS-190-WP-03	CORNER STN	CORNER STN	CENTRIFUGAL	40% GLYCOL	60	365	140	10	18	20	460/3/60	3500	CENT	650	PACO, TYPE L 2570-7 (24.33X7)	40% GLYCOL (STANDBY)

**FAN SCHEDULE**

UNIT NO.	LOCATION	SERVICE	TYPE	FAN		MOTOR			OPER WT (LB)	MANUFACTURER/ MODEL NO.	REMARKS				
				ACFM	MIN TSP (IN. WG)	HP	VOLTS/ PH/Hz	RPM				TYPE			
W-CS-107-SF-01	LVEA	LVEA	VANE AXIAL	21,000	6.0	1770	DIRECT	28	40	460/3/60	1770	DP	1800	JOY 29-17-1000-1770	TWO STAGE, 1000 SERIES
W-CS-107-SF-02	LVEA	LVEA	VANE AXIAL	21,000	6.0	1770	DIRECT	28	40	460/3/60	1770	DP	1800	JOY 29-17-1000-1770	TWO STAGE, 1000 SERIES
W-CS-107-SF-03	LVEA	LVEA	VANE AXIAL	21,000	6.0	1770	DIRECT	28	40	460/3/60	1770	DP	1800	JOY 29-17-1000-1770	TWO STAGE, 1000 SERIES
W-CS-107-SF-04	LVEA	LVEA	VANE AXIAL	21,000	6.0	1770	DIRECT	28	40	460/3/60	1770	DP	1800	JOY 29-17-1000-1770	TWO STAGE, 1000 SERIES

**CHEMICAL POT FEEDER SCHEDULE**

UNIT NO.	LOCATION	MIN SIZE (GAL)	OPER WT (LB)	CONSTRUCTION PRESSURE (PSIG)	MANUFACTURER/ MODEL NO.	REMARKS
W-CS-107-CF-01	CORNER STATION	5	100	125	J.L. WINGERT 5	

**AIR FILTER SCHEDULE**

UNIT NO.	LOCATION	SERVICE	TYPE	ACFM	EFFICIENCY PERCENT (%) #	QTY	SIZE (IN.)	PD (IN. WG)		MANUFACTURER/ MODEL NO.	REMARKS
								CLEAN	REPLACE- MENT		
W-CS-107-AF-01	CORNER STATION	LVEA	TA	43,000	90	32	24X24X12	0.56	1.2	AAF VARICELL	PRE-FILTER
W-CS-107-AF-02	CORNER STATION	LVEA	TA	43,000	90	32	24X24X12	0.56	1.2	AAF VARICELL	PRE-FILTER

\* IN ACCORDANCE WITH ASHRAE STD 52.1

**AIR COMPRESSOR SCHEDULE**

UNIT NO.	LOCATION	SERVICE	TYPE	COMPRESSOR			OPER WT (LB)	MANUFACTURER/ MODEL NO.	REMARKS	
				ACFM	MIN TANK CAPACITY (GAL)	HP				
W-CS-107-AC-01	MECH ROOM	CORNER STATION	RECIPROCATING	17	100	5	460/3/60	1250	INGERSOLL-RAND QLS05	WITH AFTERCOOLER
W-CS-107-AC-02	MECH ROOM	CORNER STATION	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
W-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


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NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION	CLP	6-24-96
DRAWN	MA	7/5/96
CHECKED	AA	7/7/96
ENGINEER	AA	7/7/96
PROJ	HW	7/7/96



**PARSONS**  
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 PASADENA, CALIFORNIA



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LASER INTERFEROMETER  
 GRAVITATIONAL-WAVE OBSERVATORY  
 SITE NO. 1 - HANFORD, WASHINGTON

TITLE	HVAC CORNER STATION EQUIPMENT SCHEDULES SHEET 1
SHEET NUMBER	WA-H-501
CONTRACT NUMBER	NONE
PROJECT NUMBER	PP150969
PROJECT NUMBER	8094

LIGO-D960379-00-0