

**ELECTRIC HUMIDIFIER SCHEDULE**

UNIT NO	LOCATION	SERVICE	TYPE	CAPACITY LB/H	HEATER				MANUFACTURER/ MODEL NO	REMARKS
					KW	V	PH	HZ		
W-CS-107-HU-01	CORNER STATION	LVEA	ELECTRIC	100	34	460	3	60	NORTEC NH-100	DOMESTIC WATER W/ BLOWDOWN CYCLE
W-CS-107-HU-02	CORNER STATION	LVEA	ELECTRIC	100	34	460	3	60	NORTEC NH-100	DOMESTIC WATER W/ BLOWDOWN CYCLE
W-CS-107-HU-03	CORNER STATION	LVEA	ELECTRIC	100	34	460	3	60	NORTEC NH-100	DOMESTIC WATER W/ BLOWDOWN CYCLE
W-CS-107-HU-04	CORNER STATION	LVEA	ELECTRIC	100	34	460	3	60	NORTEC NH-100	DOMESTIC WATER W/ BLOWDOWN CYCLE

**AIR INLET & OUTLET SCHEDULE**

UNIT NO	DESCRIPTION	FACE SIZE	NECK SIZE IN X IN	CONSTRUCTION	MANUFACTURER/ MODEL NO	REMARKS
HF-1	HEPA FILTER	48 X 24	12" Ø	STEEL	AMERICAN AIR FILTER PHARMA-GEL PCA-83	5" DEEP FILTER, (1), (2)
HF-2	HEPA FILTER	24 X 24	10" Ø	STEEL	AMERICAN AIR FILTER PHARMA-GEL PCA-43	5" DEEP FILTER, (1), (2)
CD-1	CEILING DIFFUSER	24 X 24	(3)	ALUMINUM	TITUS PDS	W/OBD
CD-2	CEILING DIFFUSER	N/A	(3)	ALUMINUM	TITUS TMR-4A	W/BUTTERFLY DAMPER
RR-1	RETURN REGISTER	(3)	N/A	ALUMINUM	TITUS JFL	W/OBB
RR-2	RETURN REGISTER	(3)	N/A	ALUMINUM	TITUS 4FL	W/OBB
RG-1	RETURN GRILLE	24 X 24	N/A	ALUMINUM	TITUS 3F	
RG-2	RETURN GRILLE	(3)	(3)	ALUMINUM	TITUS 3552RL	
SR-1	SUPPLY REGISTER	(3)	(3)	ALUMINUM	TITUS 300F	W/OBD

- (1) PROVIDE WITH HANGING TAPS, STAINLESS STEEL TRIM, 1/2" INSULATION WITH ALUMINUM FOIL
- (2) INITIAL PRESSURE DROP = 0.50" WC, REPLACEMENT PRESSURE DROP = 2.0" WC
- (3) SEE PLANS

**VIBRATION ISOLATOR SCHEDULE**

UNIT NO	NAME	LOCATION	(2) ISOLATOR TYPE	(3) SPRING DEFLECTION (INCHES)	(2) FRAME TYPE	(2) SEISMIC RESTRAINT	REMARKS
W-CS-107-SF-01, 02, 03, 04	VANE AXIAL FAN	CORNER STATION	B	1.0	S	SL	FANS (TYP 4)
W-CS-190-CH-01, 02, 03	AIR-COOLED WATER CHILLER	CORNER STATION	D	1.0		(1)	CHILLERS (TYP 3)
W-CS-190-WP-01, 02, 03	CHILLED WATER PUMP	CORNER STATION	C	1.0	S	SL	PUMPS (TYP 3)
W-CS-107-AC-01, 02	AIR COMPRESSOR	CORNER STATION	C	1.0	S	SL	COMPRESSORS (TYP 2)
W-CS-107-GP-01	GLYCOL FEED PUMP	CORNER STATION	C	1.0	S	SL	

- (1) TYPE D ISOLATOR HOUSING INCLUDES SEISMIC RESTRAINTS
- (2) SEE SPECIFICATIONS FOR CODE LETTER
- (3) STATIC DEFLECTION 3 HZ

**ELECTRIC DUCT HEATER SCHEDULE**

UNIT NO	LOCATION	SERVICE		HEATING CAPACITY (KW)	NUMBER OF STAGES	VOLTS/ PH/Hz	DUCT SIZE (IN)	MANUFACTURER/ MODEL NO	REMARKS
		BUILDING	ROOM						
W-CS-107-HC-1A	MECH ROOM	LVEA	LASER AREA - 1	80	SCR	460/3/60	48X36	CHROMALOX DHIF	
W-CS-107-HC-1B	MECH ROOM	LVEA	LASER AREA - 1	50	SCR	460/3/60	48X36	CHROMALOX DHIF	
W-CS-107-HC-2A	MECH ROOM	LVEA	LASER AREA - 2	100	SCR	460/3/60	48X36	CHROMALOX DHIF	
W-CS-107-HC-2B	MECH ROOM	LVEA	LASER AREA - 2	100	SCR	460/3/60	48X36	CHROMALOX DHIF	
W-CS-107-HC-3A	MECH ROOM	LVEA	LASER AREA - 3	100	SCR	460/3/60	48X36	CHROMALOX DHIF	
W-CS-107-HC-3B	MECH ROOM	LVEA	LASER AREA - 3	100	SCR	460/3/60	48X36	CHROMALOX DHIF	
W-CS-107-HC-04	MECH ROOM	LVEA	LASER AREA - 4	100	SCR	460/3/60	48X36	CHROMALOX DHIF	
W-CS-107-HC-05	MECH ROOM	LVEA	LASER AREA - 5	100	SCR	460/3/60	48X36	CHROMALOX DHIF	
W-CS-107-HC-06	MECH ROOM	LVEA	MECHANICAL ROOM	60	4	460/3/60	48X24	CHROMALOX DHIF	
W-CS-107-HC-07	MECH ROOM	LVEA	OUTSIDE AIR SUPPLY	60	4	460/3/60	24X24	CHROMALOX DHIF	
W-CS-107-HC-08	MECH ROOM	LVEA	OUTSIDE AIR SUPPLY	60	4	460/3/60	24X24	CHROMALOX DHIF	

**NOTES:**

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

**DUCT SILENCER SCHEDULE**

UNIT NO	LOCATION	SERVICE		CFM	DIMENSIONS W X D X L	PD IN WC	MANUFACTURER/ MODEL NO	REMARKS
		BUILDING	ROOM					
W-CS-107-ST-1A	MECH ROOM 107	LVEA	LASER AREA - 1	10,260	48X36X120	0.15	INDUSTRIAL ACOUSTICS CO MS	
W-CS-107-ST-1B	MECH ROOM 107	LVEA	LASER AREA - 1	5,130	48X36X120	0.15	INDUSTRIAL ACOUSTICS CO MS	
W-CS-107-ST-2A	MECH ROOM 107	LVEA	LASER AREA - 2	11,400	48X36X120	0.10	INDUSTRIAL ACOUSTICS CO MS	
W-CS-107-ST-2B	MECH ROOM 107	LVEA	LASER AREA - 2	11,400	48X36X120	0.10	INDUSTRIAL ACOUSTICS CO MS	
W-CS-107-ST-3A	MECH ROOM 107	LVEA	LASER AREA - 3	10,260	48X36X120	0.10	INDUSTRIAL ACOUSTICS CO MS	
W-CS-107-ST-3B	MECH ROOM 107	LVEA	LASER AREA - 3	10,260	48X36X120	0.10	INDUSTRIAL ACOUSTICS CO MS	
W-CS-107-ST-04	MECH ROOM 107	LVEA	LASER AREA - 4	9,690	48X36X120	0.15	INDUSTRIAL ACOUSTICS CO MS	
W-CS-107-ST-05	MECH ROOM 107	LVEA	LASER AREA - 5	10,830	48X36X120	0.15	INDUSTRIAL ACOUSTICS CO MS	
W-CS-107-ST-06	MECH ROOM 107	LVEA	MECHANICAL ROOM #107	6,840	48X24X84	0.07	INDUSTRIAL ACOUSTICS CO MS	
W-CS-107-ST-07	MECH ROOM 107	LVEA	GENERAL RETURN OF LVEA	26,600	60X60X84	0.10	INDUSTRIAL ACOUSTICS CO MS	
W-CS-107-ST-08	MECH ROOM 107	LVEA	GENERAL RETURN OF LVEA	26,600	60X60X84	0.10	INDUSTRIAL ACOUSTICS CO MS	
W-CS-107-ST-09	MECH ROOM 107	LVEA	GENERAL RETURN OF LVEA	26,600	60X60X84	0.10	INDUSTRIAL ACOUSTICS CO MS	
W-CS-107-ST-15	MECH ROOM 107	LVEA	OUTSIDE AIR	3,125	24X24X84	0.05	INDUSTRIAL ACOUSTICS CO MS	
W-CS-107-ST-16	MECH ROOM 107	LVEA	OUTSIDE AIR	3,125	24X24X84	0.05	INDUSTRIAL ACOUSTICS CO MS	


- (1) TYPE D ISOLATOR HOUSING INCLUDES SEISMIC RESTRAINTS

not be reproduced, copied, loaned, exhibited, or used in any other way, except by written consent from PARSONS to the borrower.


This document and the design it covers are the property of PARSONS. They are loaned only with the borrower's expressed written agreement that they will

REV NO	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
A	4-19-96	CLP	ME	JA		FINAL DESIGN REVIEW & BID

DRAWN	CLP	
CHECKED		
ENGINEER		
PROJ		



100 WEST WALNUT STREET  
PASADENA, CALIFORNIA



CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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

SCALE	CONTRACT NUMBER	PROJECT NUMBER
NONE	PP150969	8094
SHEET NUMBER	REVISIONS	
WA-H-502		