

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	PURE PS DDR 14, 5	DOMESTIC WATER W/ BLOWDOWN CYCLE
W-CS-107-HU-02	CORNER STATION	LVEA	ELECTRIC	100	34	460	3	60	PURE PS DDR 14, 5	DOMESTIC WATER W/ BLOWDOWN CYCLE
W-CS-107-HU-03	CORNER STATION	LVEA	ELECTRIC	100	34	460	3	60	PURE PS DDR 14, 5	DOMESTIC WATER W/ BLOWDOWN CYCLE
W-CS-107-HU-04	CORNER STATION	LVEA	ELECTRIC	100	34	460	3	60	PURE PS DDR 14, 5	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	FARR CPX RG	5" DEEP FILTER, (1), (2)
HF-2	HEPA FILTER	24 X 24	10" Ø	STEEL	FARR CPX RG	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 TMRA-AA	W/BUTTERFLY DAMPER
RR-1	RETURN REGISTER	(3)	N/A	ALUMINUM	TITUS 3FL	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 8F	
RG-2	RETURN GRILLE	(3)	(3)	ALUMINUM	TITUS 3552RL	
SR-1	SUPPLY REGISTER	(3)	(3)	ALUMINUM	TITUS 300FL	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	G	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	G	SL	PUMPS (TYP 3)
W-CS-107-AC-01, 02	AIR COMPRESSOR	CORNER STATION	C	1.0	G	SL	COMPRESSORS (TYP 2)
W-CS-107-GP-01	GLYCOL FEED PUMP	CORNER STATION	C	1.0	G	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	INDEECO CUSTUM FINNED-TUBE	
W-CS-107-HC-1B	MECH ROOM	LVEA	LASER AREA - 1	50	SCR	460/3/60	48X36	INDEECO CUSTUM FINNED-TUBE	
W-CS-107-HC-2A	MECH ROOM	LVEA	LASER AREA - 2	100	SCR	460/3/60	48X36	INDEECO CUSTUM FINNED-TUBE	
W-CS-107-HC-2B	MECH ROOM	LVEA	LASER AREA - 2	100	SCR	460/3/60	48X36	INDEECO CUSTUM FINNED-TUBE	
W-CS-107-HC-3A	MECH ROOM	LVEA	LASER AREA - 3	100	SCR	460/3/60	48X36	INDEECO CUSTUM FINNED-TUBE	
W-CS-107-HC-3B	MECH ROOM	LVEA	LASER AREA - 3	100	SCR	460/3/60	48X36	INDEECO CUSTUM FINNED-TUBE	
W-CS-107-HC-04	MECH ROOM	LVEA	LASER AREA - 4	100	SCR	460/3/60	48X36	INDEECO CUSTUM FINNED-TUBE	
W-CS-107-HC-05	MECH ROOM	LVEA	LASER AREA - 5	100	SCR	460/3/60	48X36	INDEECO CUSTUM FINNED-TUBE	
W-CS-107-HC-06	MECH ROOM	LVEA	MECHANICAL ROOM	60	4	460/3/60	48X24	INDEECO CUSTUM FINNED-TUBE	
W-CS-107-HC-07	MECH ROOM	LVEA	OUTSIDE AIR SUPPLY	60	4	460/3/60	24X24	INDEECO CUSTUM FINNED-TUBE	
W-CS-107-HC-08	MECH ROOM	LVEA	OUTSIDE AIR SUPPLY	60	4	460/3/60	24X24	INDEECO CUSTUM FINNED-TUBE	

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

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REFERENCES	ISSUED FOR CONSTRUCTION		DRAWN	CLP	6-24-96
	AS-BUILT DRAWINGS		CHECKED		
REVISIONS		ENGINEER			
		PROJ			
		ISSUED FOR AS-BUILT			
DRAWING NO.	DESCRIPTION	NO.	DATE	BY	CHKD ENGR PROJ DESCRIPTION
		1	5-15-98	CP	

	
100 WEST WALNUT STREET PASADENA, CALIFORNIA	

	
CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	

LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY SITE NO. 1 - HANFORD, WASHINGTON			
TITLE HVAC CORNER STATION EQUIPMENT SCHEDULES SHEET 2		SCALE NONE	ORDER NUMBER PPI50969
SHEET NUMBER WA-H-502		PROJECT NUMBER 8094	REVISIONS