

SYMBOL	SERVING	TYPE	MFR/ MODEL	FAN			COOLING			HEATING		SOUND RATING	POWER			FEATURES	MINIMUM OUTSIDE AIR	SYMBOL		
				AIRFLOW SUPPLY RETURN (CFM)	EXTERNAL STATIC PRESSURE (IN WG)	FAN HP	FAN RPM	TOTAL/ SENSIBLE CAPACITY (MBH)	EVAP EAT (°F DB/WB)	COND EAT (°F)	NOMINAL CAPACITY (MBH)		CAPACITY @ 10°F	(dB)	MCA / MOCP				V/PH	ARI UNIT RATING EER/COP
HP-1	BLDG	PACKAGED	CARRIER 50HQ-012	4,000	1.4	5	952	113/95	80	105	114	63.1	84	68.1/70	480/3	10.3/3.3	10.4	PROVIDE WITH ADJUSTABLE POSITION OUTSIDE AIR DAMPER, HIGH STATIC MOTOR DRIVE, 27.8 KW ELECTRIC HEAT (SOR NOT PERMITTED), ELECTRICAL CONVENIENCE OUTLET, MOUNTED DISCONNECT, 35% EFF OSA FILTERS, 65% EFF UNIT FILTERS.	800 CFM	HP-1

(g) PROVIDE CONDENSATE DRAIN PIPING WITH P-TRAP AND DRAIN TO GROUND.
 (h) PROVIDE 2 STAGE HEATING AND COOLING THERMOSTAT WITH AUTOMATIC CHANGEOVER.

GRILLE, REGISTER AND DIFFUSER SCHEDULE

SYMBOL	TYPE	FLOW (CFM)	MOUNTING	SIZE	MATERIAL	FINISH	DAMPER	MFR/MODEL	FEATURES
[1]	SPLY DIFFUSER	SEE PLAN	DUCT	SEE PLAN	ALUMINIUM	WHITE BAKED ENAMEL	NONE	TITUS 301FL	
[2]	SPLY DIFFUSER	SEE PLAN	SIDEWALL	SEE PLAN	ALUMINIUM	WHITE BAKED ENAMEL	NONE	TITUS 350FS	
[3]	RETURN GRILLE	SEE PLAN	SUS CLG	SEE PLAN	ALUMINIUM	WHITE BAKED ENAMEL	NONE	TITUS 50F	

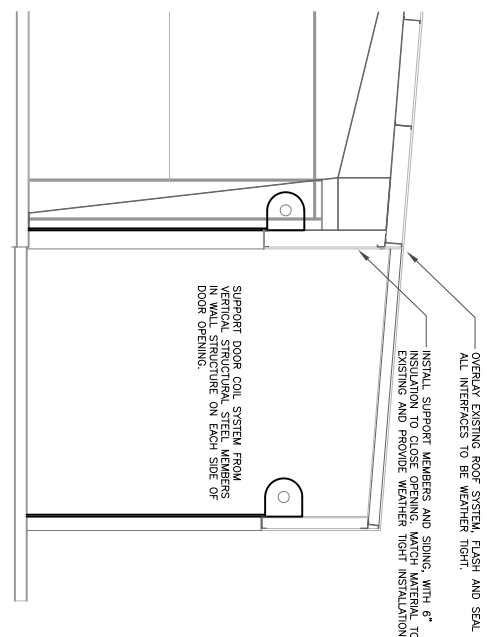
SPRING ISOLATOR SCHEDULE

ID	LOAD	DEFLECTION	SPRING CONSTANT	ISOLATOR MODEL	REMARKS
A	223 LB	1.28"	174 LB/IN	SLF-B-280	
B	193 LB	1.11"	174 LB/IN	SLF-B-280	
C	274 LB	1.37"	174 LB/IN	SLF-B-280	
D	163 LB	0.94"	174 LB/IN	SLF-B-280	
E	163 LB	0.94"	174 LB/IN	SLF-B-280	

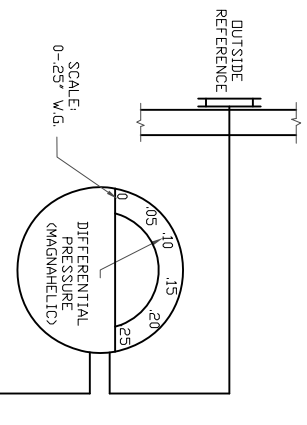
POWERED FILTER (PF) SCHEDULE

SYMBOL	ROOM LOCATION	TYPE	AIRFLOW (CFM)	FILTER SIZE	EFFICIENCY %	FILTER RESISTANCE (IN W.G.)		MOTOR	MFR/MODEL	FEATURES
						INITIAL	FINAL			
PF-1	PALET STORAGE, CLEAN WORK AREA	FAN POWERED FILTER	640	24"x48"x9"	99.99	0.35	0.75	2.04	277/1	PUREFLU FPM, 2X4 OR SOLID STATE SPEED CONTROL, PLEATED PRE-FILTER

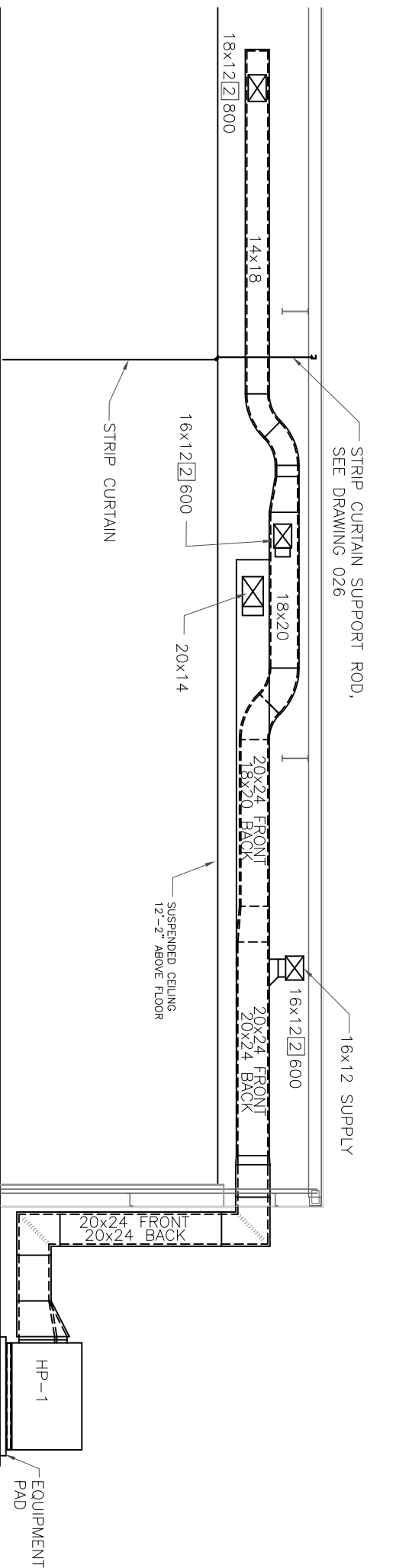
NOTE: ELECTRICAL POWER FEED SHALL BE DETERMINED BY OWNER. SET AIRFLOW RATE AT 350 CFM PER FILTER UNIT.



AIRLOCK SECTION
 SCALE: 1/4" = 1'-0"
 0' 4' 8'

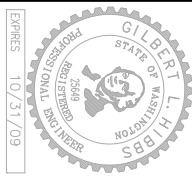


DIFFERENTIAL PRESSURE GAUGE ASSEMBLY
 SCALE: 1" = 1'-0"
 1 0.25



HVAC SECTION
 SCALE: 1/4" = 1'-0"
 0' 4' 8'

REV	DATE	BY	DESCRIPTION	APPROVED



DRAWN BY: GLH	DESIGN GM
CHECKED BY:	HEI APPROVAL

LHO WAREHOUSE MECHANICAL SCHEDULES

PROJECT NUMBER: 1023.010 CAD FILE: 0000A01.DWG

LIGO HANFORD OBSERVATORY DRAWING: LIGO-D0810027-V1

HIBBS ENGINEERING, INC.
 KENNEWICK, WASHINGTON

DRAWING NUMBER: 027 REV: V1