

**DUCTLESS AIR CONDITIONER OUTDOOR UNIT SCHEDULE**

SYMBOL	LOCATION	REFRIGERANT TYPE	COOLING		OUTDOOR UNIT		MFR/MODEL	FEATURES
			TOTAL NOMINAL CAPACITY (BTU)	TOTAL CORRECTED CAPACITY (BTU)	MCA (AMPS) SEE NOTE 2	V/PH		
CU-1	SEE PLAN	R410A	192,000	165,769	30/15	460/3	MITSUBISHI PUHY-P192XSJMU-A INVERTER POWERED COMPRESSOR	PROVIDE LOW AMBIENT KIT FOR COOLING TO -10F
CU-2	SEE PLAN	R410A	192,000	168,304	30/15	460/3	MITSUBISHI PUHY-P192XSJMU-A INVERTER POWERED COMPRESSOR	PROVIDE LOW AMBIENT KIT FOR COOLING TO -10F

- NOTES:
- ELECTRICAL POWER BY OWNER. OUTDOOR UNITS REQUIRE 480V, 3PH.
  - EACH OUTSIDE UNIT IS A COMBINATION OF TWO UNITS, EACH REQUIRING A SEPERATE ELECTRICAL CONNECTION.
  - MOUNT OUTDOOR UNITS WITH VIBRATION ISOLATION PADS AT BASE.

**DUCTLESS AIR CONDITIONER (AC) INDOOR UNIT SCHEDULE**

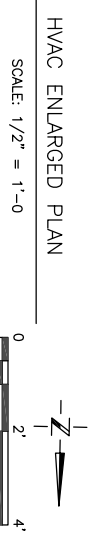
SYMBOL	ROOM LOCATION	TYPE	COOLING		MCA (AMPS)	V/PH	WT (LBS)	MFR/MODEL	FEATURES
			TOTAL CAPACITY (BTU)	SENSIBLE CAPACITY (BTU)					
AC-1	ELECTRONICS (SYS 1)	CLG MOUNT	55,256	46,435	4.48	208/3	221	MITSUBISHI PEY-P72MNHU-E	THERMOSTAT PAR-21MAA FOR UNITS AC-1 THROUGH 4 (T1)
AC-2	ELECTRONICS (SYS 1)	CLG MOUNT	55,256	46,435	4.48	208/3	221	MITSUBISHI PEY-P72MNHU-E	
AC-3	ELECTRONICS (SYS 2)	CLG MOUNT	51,456	44,801	4.48	208/3	221	MITSUBISHI PEY-P72MNHU-E	
AC-4	ELECTRONICS (SYS 2)	CLG MOUNT	51,456	44,801	4.48	208/3	221	MITSUBISHI PEY-P72MNHU-E	
AC-5	SUPPORT (SYS 1)	CLG MOUNT	55,256	46,435	4.48	208/3	221	MITSUBISHI PEY-P72MNHU-E	THERMOSTAT PAR-21MAA FOR UNITS AC-5 AND 6 (T2)
AC-6	SUPPORT (SYS 2)	CLG MOUNT	51,456	44,801	4.48	208/3	221	MITSUBISHI PEY-P72MNHU-E	
AC-7	DIODE CHILLER (SYS 2)	CLG MOUNT	12,864	10,339	0.96	208/1	100	MITSUBISHI PEY-P18MNHU-E	THERMOSTAT PAR-21MAA (T3)

- NOTES:
- ELECTRICAL POWER BY OWNER. INSIDE UNITS REQUIRE 208V, 3 PH AND 1 PH.
  - SUPPORT EACH INDOOR UNIT WITH SPRING HANGERS AND RODS, MASON INDUSTRIES SERIES 300, SIZE 3/8 (AC-5) AND 1/2 (AC-7). THERE ARE FOUR SPRING HANGERS REQUIRED PER UNIT. SUPPORT FROM BUILDING STRUCTURE.

**POWERED FILTER (PF) SCHEDULE**

SYMB	ROOM LOCATION	TYPE	AIRFLOW (CFM)	FILTER SIZE	EFF %		MOTOR FULL LOAD AMPS	MFR/MODEL	FEATURES		
					INITIAL	FINAL					
PF-1,2,3,4	STORAGE, RECEIVING AREA	FAN POWERED FILTER	640	24"x48"x9"	99.99	0.35	0.75	2.04	277/1	PURELO EPM, 2X4 OR EQUAL	SOLID STATE SPEED CONTROL, PLEATED PRE-FILTER

NOTE: ELECTRICAL POWER FEED SHALL BE DETERMINED BY OWNER.



LIGO DRAWING D1200029-V1

LIGO HANFORD OBSERVATORY  
DRAWING: LIGO- D1200029-V1

**HIBBS ENGINEERING, INC.**  
KENNEWICK, WASHINGTON

DRAWING NUMBER: 029  
REV: V2

LIGO H1 ELECTRONICS AREA  
HVAC PLAN, SCHEDULES

PROJECT NUMBER: CAD FILE: 1034401M01A.DWG

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DRAWN BY: GLH  
CHECKED BY:  
DESIGN A/E DESIGN GM

HEI APPROVAL

REV No	DATE	BY	DESCRIPTION	APPROVED