

MAINTENANCE BUILDING FLOOR PLAN
1/4" = 1'-0"

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

SEQUENCE OF OPERATION:
AIR HANDLING UNIT (AH-05):
UPON A SIGNAL FROM THE CENTRAL CONTROL SYSTEM THE AIR HANDLING UNIT SHALL START. THE DDC CONTROL SHALL PERFORM THE FOLLOWING:

- THE DDC CONTROLS SHALL MODULATE THE CONTROL DAMPERS ON THE OUTSIDE AIR AND THE RETURN AIR DUCTS TO MAINTAIN THE ROOM TEMPERATURE AT 72°F AND MAINTAIN 750 CFM OF OUTSIDE AIR MINIMUM.
- WHEN THE ROOM TEMPERATURE DROPS BELOW 68°F THE DDC CONTROL SHALL ACTIVATE THE ELECTRIC DUCT HEATER TO MAINTAIN THE ROOM AT 68°F.
- AFTER BUSINESS HOURS THE DDC CONTROLS SHALL CLOSE OFF THE OUTSIDE AIR DAMPER AND FULLY OPEN THE RETURN AIR DAMPER AND MAINTAIN THE ROOM TEMPERATURE AT 65°F.
- IF THE ROOM TEMPERATURE DROPS BELOW 50°F, THE DDC CONTROLS SHALL REPORT AN ALARM SIGNAL TO FACILITY CONTROL AND MONITORING SYSTEM AT THE CORNER STATION.

FIRE PUMP ROOM:

- THE PACKAGED CONTROLS ON THE ELECTRIC CONVECTOR SHALL MAINTAIN THE ROOM TEMPERATURE AT 60°F.
- IF THE ROOM TEMPERATURE RISES ABOVE 104°F THE DDC CONTROLS SHALL OPEN THE GRAVITY VENTILATION DAMPERS. THE GRAVITY VENTILATION DAMPERS SHALL CLOSE WHEN THE ROOM TEMPERATURE DROPS BELOW 95°F.
- IF THE ROOM TEMPERATURE RISES TO 110°F OR DROPS BELOW 50°F, THE DDC CONTROLS SHALL REPORT AN ALARM SIGNAL TO FACILITY CONTROL AND MONITORING SYSTEM AT THE CORNER STATION.

DOMESTIC PUMP ROOM:
SAME AS FIRE PUMP ROOM.

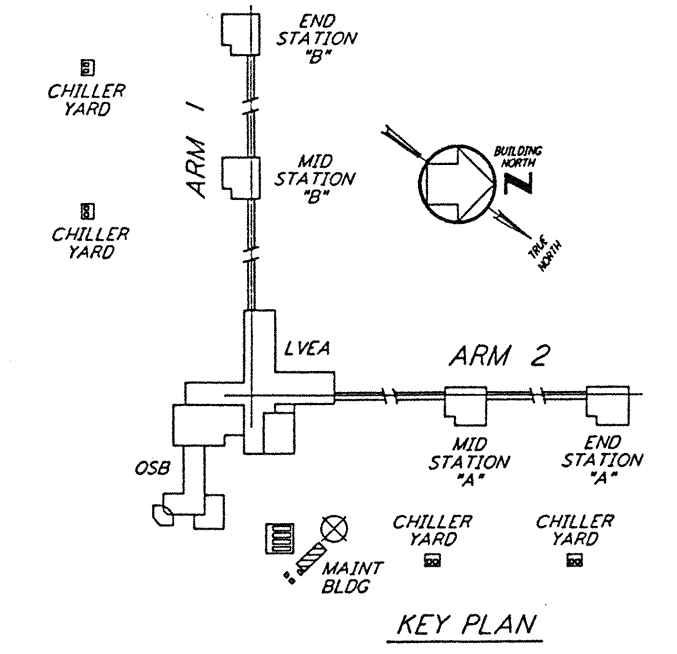
ELECTRICAL ROOM:
SAME AS FIRE PUMP ROOM.

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INPUT/OUTPUT SUMMARY FOR MAINTENANCE BUILDING

SYSTEM, APPARATUS, OR AREA POINT DESCRIPTION	INPUTS		OUTPUTS				SYSTEM FEATURES			GENERAL	SUPPLEMENTARY NOTES
	ANALOG		BINARY	DIGITAL	ANALOG	ALARMS	PROGRAMS	GENERAL			
	MEASURED	CALCULATED									
AIR HANDLING UNIT (AH-05)											PROVIDE NIGHT TIME SETBACK
HEATING COIL HC-14											
CONNECTOR HT-01											
CONNECTOR HT-02											
CONNECTOR HT-03											
CONNECTOR HT-04											
ROOM TEMPERATURE (195)											
ROOM TEMPERATURE (194)											
ROOM TEMPERATURE (196)											
ROOM TEMPERATURE (192)											
GRAVITY DAMPERS (RM 195)											
GRAVITY DAMPERS (RM 196)											
GRAVITY DAMPERS (RM 192)											
FLOOR PLAN											



KEY PLAN
1/4" = 1'-0"

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
A	4-19-96	CLP	ME	AA		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

TITLE: HVAC CORNER STATION MAINTENANCE BUILDING FLOOR PLAN

AS NOTED PP150969 8094

WA-H-116

LIGO-D960353-A+D