

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:

MAINTENANCE ROOM:
 UPON A SIGNAL FROM THE CENTRAL CONTROL SYSTEM THE AIR HANDLING UNIT (AH-05) 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 (HC-14) 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 WATER PUMP ROOM:
 SAME AS FIRE PUMP ROOM.

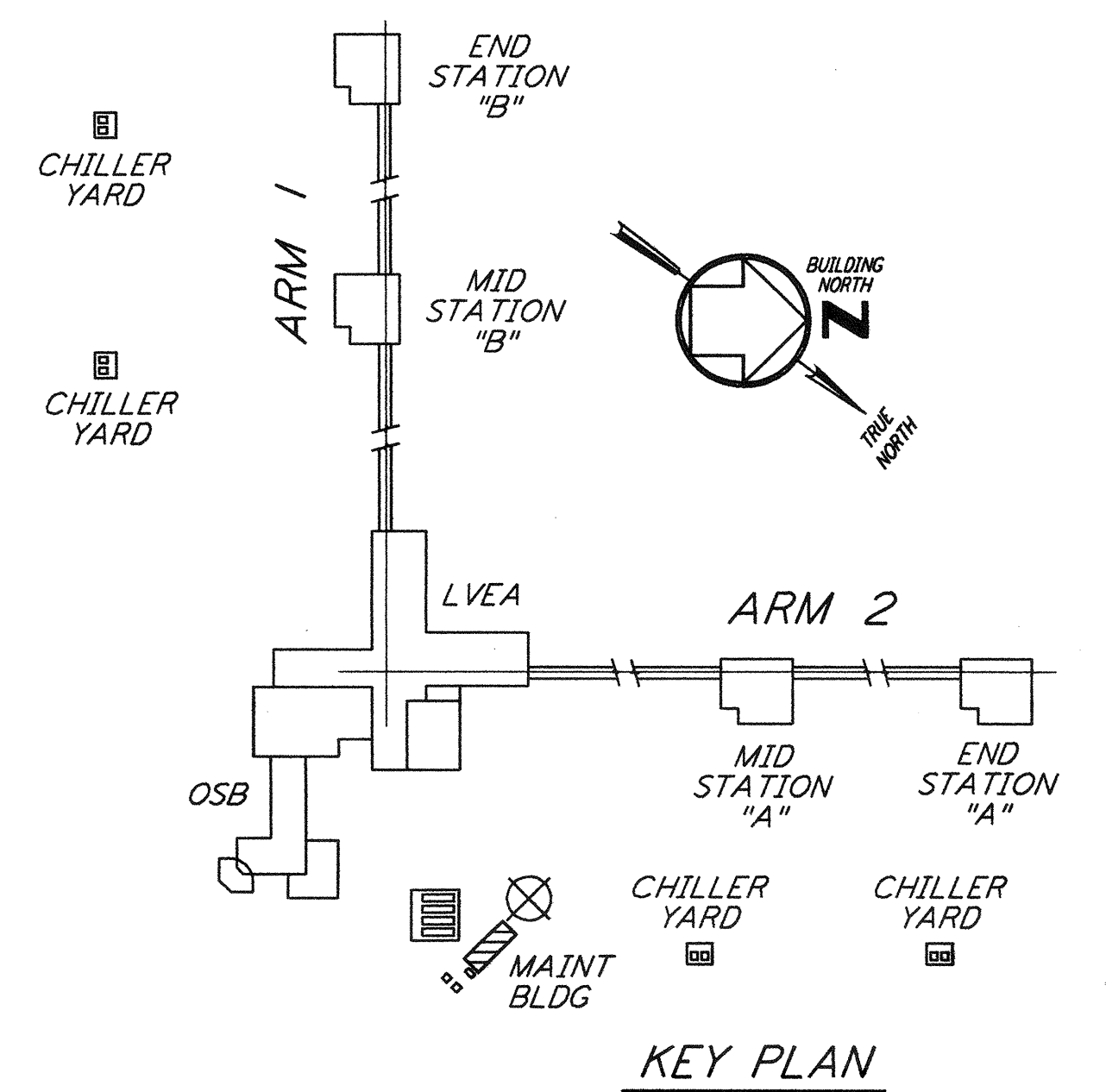
ELECTRICAL ROOM:
 SAME AS FIRE PUMP ROOM.

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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					
	MEASURED	CALCULATED					TIME SCHEDULING	DEMAND LIMITING	DOFF CYCLE			START/STOP OPTION
AIR HANDLING UNIT, AH-05												PROVIDE NIGHT TIME SETBACK
HEATING COIL, HC-14												
CONVECTOR, HT-01												
CONVECTOR, HT-02												
CONVECTOR, HT-03												
CONVECTOR, 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												



0 4 8 12 16 FT
 1/4" = 1'-0"

LIGO-D960353-01-0

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

TITLE: HVAC CORNER STATION MAINTENANCE BUILDING FLOOR PLAN

SCALE: AS NOTED

CONTRACT NUMBER: PP150969

PROJECT NUMBER: 8094

REVISIONS: WA-H-116

PARSONS

100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

LIGO

CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

ISSUED FOR CONSTRUCTION	CLP	6-24-98
DRAWN	ME	7/3/98
CHECKED	AA	7/13/98
ENGINEER	AA	7/13/98
PROJ	MDW	7/13/98

AS-BUILT DRAWINGS

REVISIONS	NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	5-15-98	CP	AA	AA	AA	MDW	ISSUED FOR AS-BUILT