

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

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

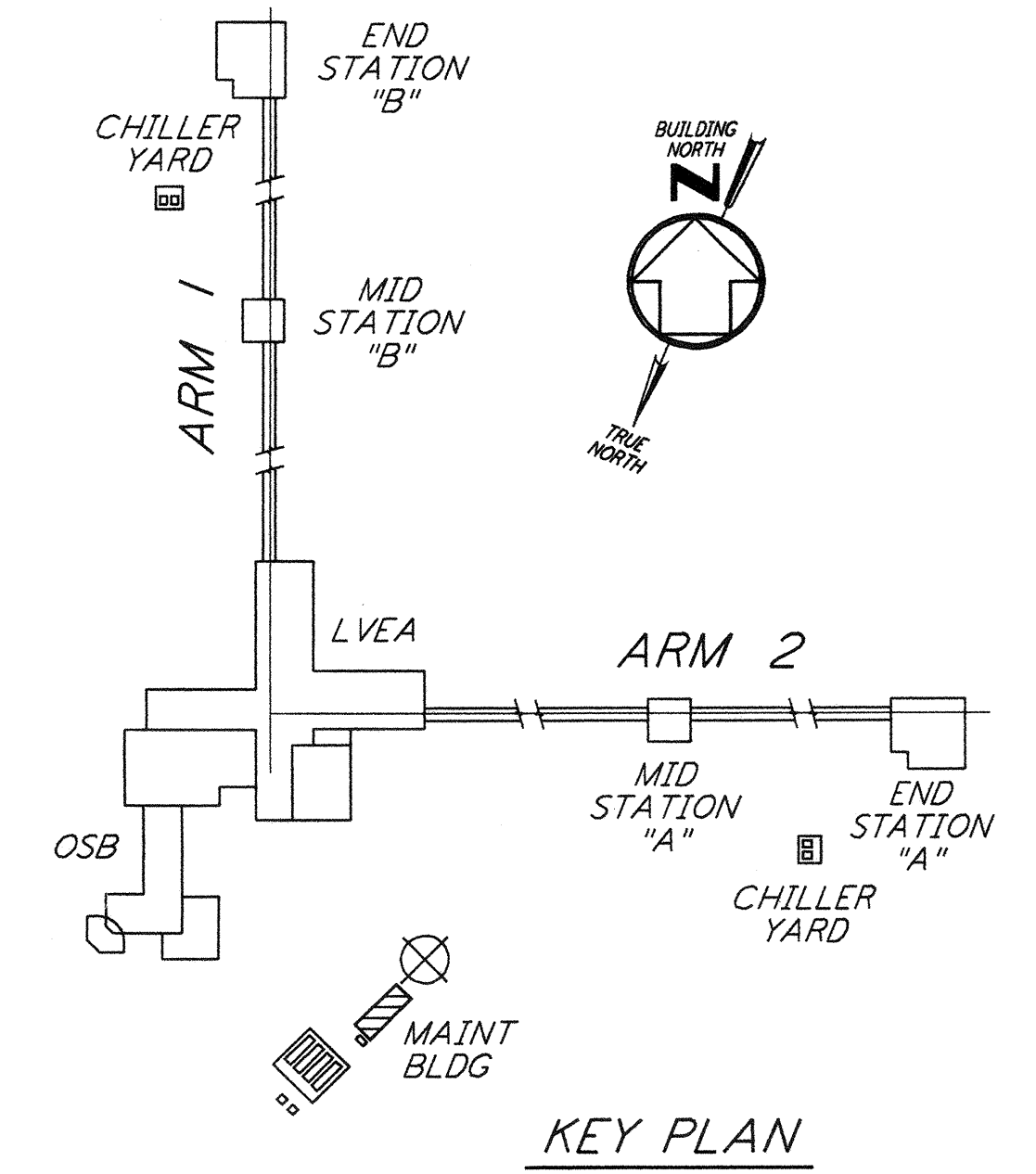
DOMESTIC WATER PUMP ROOM:
 SAME AS FIRE PUMP ROOM.

ELECTRICAL ROOM:
 SAME AS FIRE PUMP ROOM.

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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	DUTY CYCLE	START/STOP OPTION	ENTHALPY OPTION	SMOKE CNT	TREND	ALARM INSTRUCT	MAINT WK ORD	COLOR GRAPHIC			
	TEMPERATURE	PRESSURE	STATUS	OFF-AUTO-ON	OFF-HI-LO	OPEN-CLOSE	MULTI-STAGE	DAMPER POSITION	VALVE POSITION	SET POINT ADJUSTMENT	FAULT POSITION	SCR CONTROL	HI ANALOG	LOW ANALOG	HI BINARY				LOW BINARY
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-D960972-01-0

ISSUED FOR CONSTRUCTION	CLP	11-15-96				
CHECKED	MN	10-25-96				
ENGINEER	AA	1-23-96				
PROJ	TDM	11-15-96				
AS-BUILT DRAWINGS						
NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	8-7-98	DJB	AA	AA	WU	ISSUED FOR AS-BUILT

ISSUED FOR CONSTRUCTION
 DRAWN CLP 11-15-96
 CHECKED MN 10-25-96
 ENGINEER AA 1-23-96
 PROJ TDM 11-15-96

PARSONS
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 PASADENA, CALIFORNIA

LIGO
 CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER
 GRAVITATIONAL-WAVE OBSERVATORY
 SITE NO. 2 - LIVINGSTON, LOUISIANA

TITLE: HVAC CORNER STATION MAINTENANCE BUILDING FLOOR PLAN
 SCALE: AS NOTED
 CONTRACT NUMBER: PPI50969
 PROJECT NUMBER: 8094
 SHEET NUMBER: LA-H-116