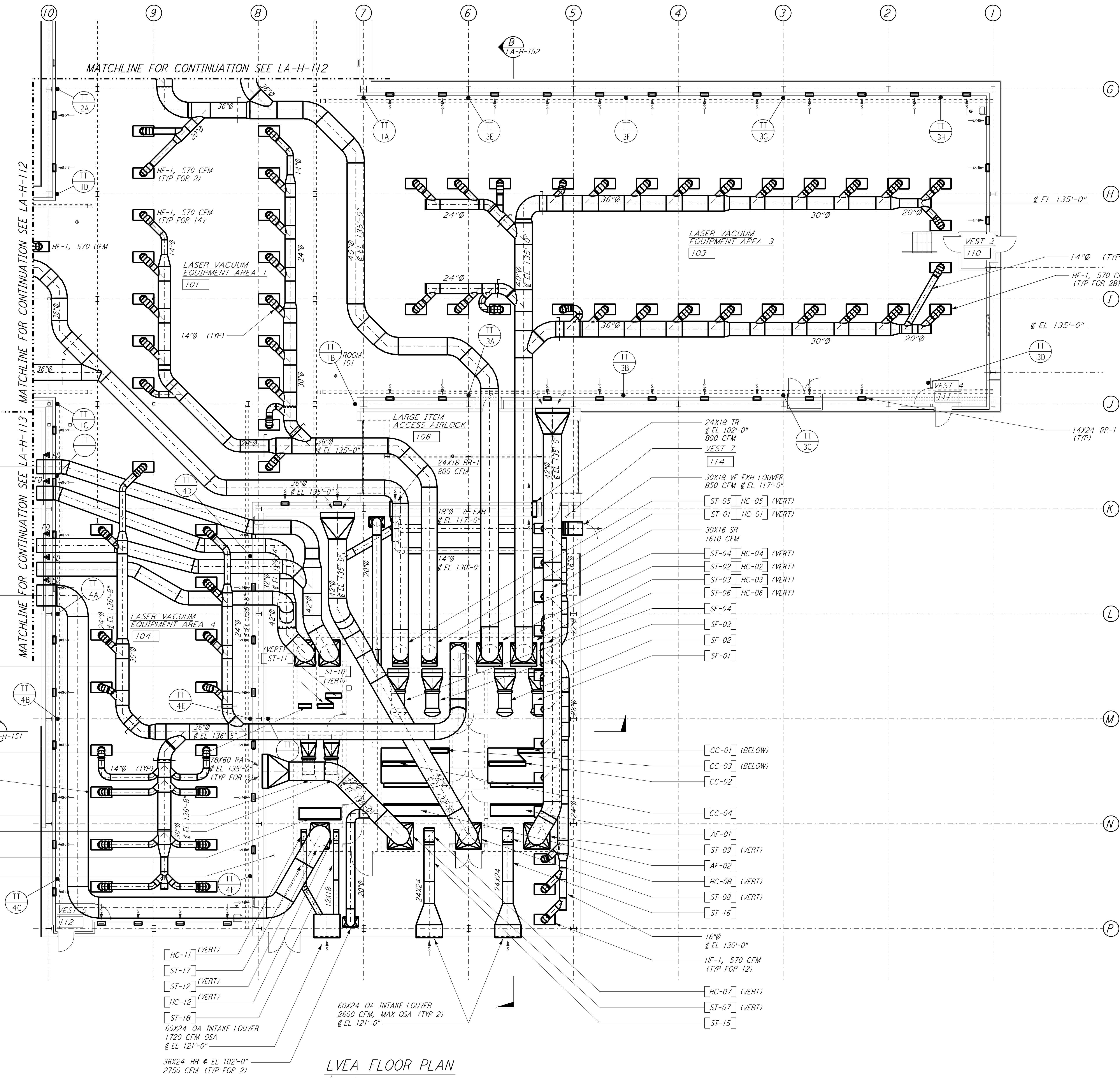


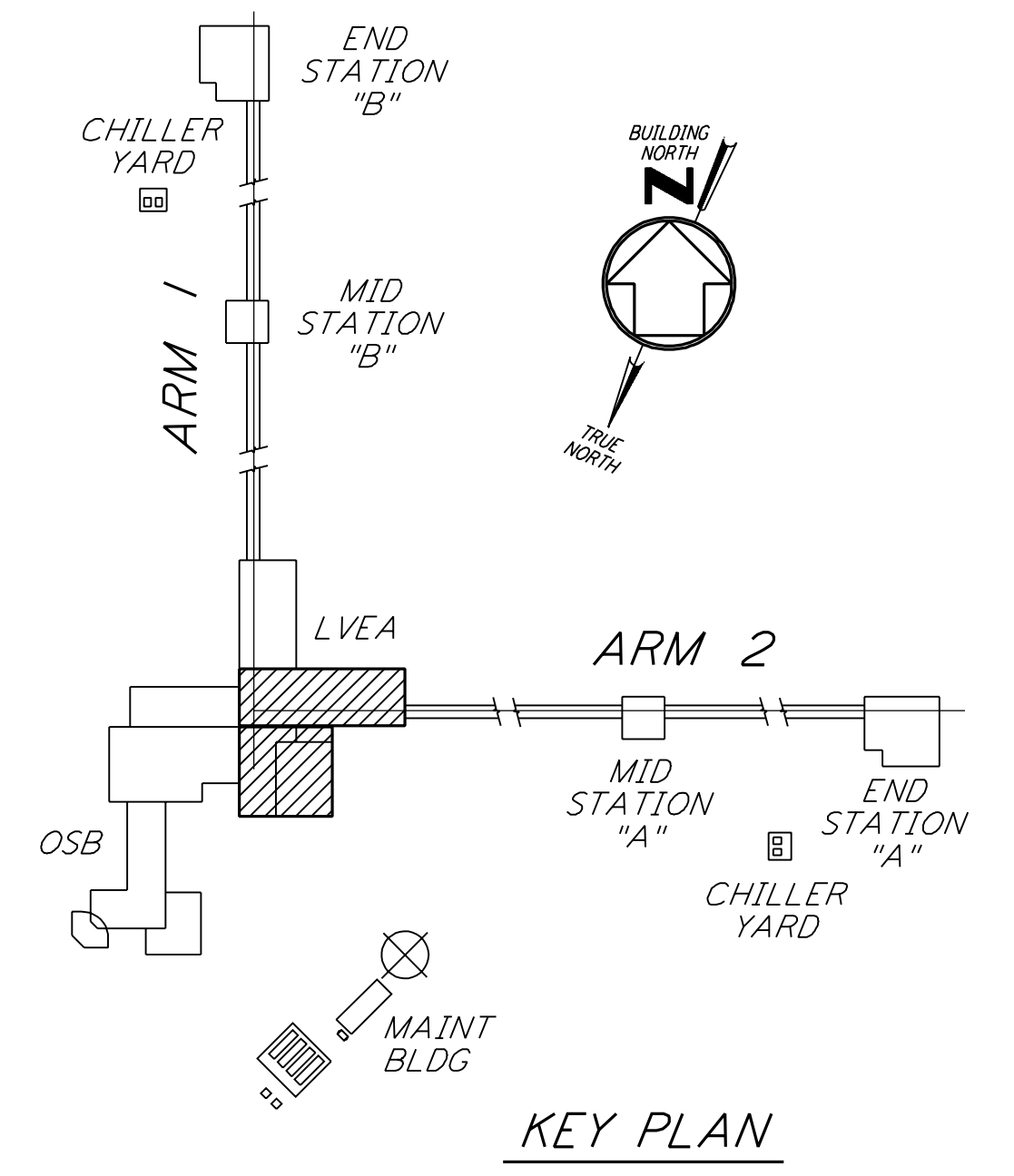
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- NOTES:**
- FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES SEE SHEETS LA-H-001 AND LA-H-002.
 - ALL SUPPLY AIR DUCTS SHALL BE DOUBLE WALL WITH 1" RIGID INSULATION AND PERFORATED SHEET METAL LINER.
 - RETURN AIR DUCTS FROM LVEA SHALL BE DOUBLE WALL WITH 2" RIGID INSULATION AND PERFORATED SHEET METAL LINER.
 - RETURN AIR DUCTS FROM OSB SHALL BE SINGLE WALL WITHOUT INSULATION WITHIN OSB ARE. DOUBLE WALL WITH 2" RIGID INSULATION AND PERFORATED SHEET METAL LINER INSIDE LVEA AND MECHANICAL ROOM.
 - RETURN AIR DUCTS FROM MECHANICAL ROOM SHALL BE SINGLE WALL WITHOUT INSULATION.
 - OUTSIDE AIR DUCTS AND INTAKE PLENUMS SHALL BE DOUBLE WALL WITH 2" INSULATION AND SHEET METAL JACKET.
 - THE INTERIOR ENVELOPE OF THE AIR HANDLING UNITS AND THE SUPPLY AIR PLENUM EXCEPT FLOOR SHALL BE COVERED BY 2" RIGID DUCT LINER WITH PERFORATED SHEET METAL LINER.
 - DRAWINGS SHOW THE GENERAL ARRANGEMENT OF THE AIR HANDLING UNITS LAYOUT. THE CONTRACTOR WILL SUBMIT THE SHOP DRAWINGS INDICATING ALL CONSTRUCTION DETAILS.
 - THE TEMPERATURE SENSORS FOR EACH ZONE WILL BE USED TO AVERAGE THE ROOM TEMPERATURE OR TO SELECT ANY ONE TO CONTROL THE ROOM TEMPERATURE.
 - LOCATE ROOM TEMPERATURE SENSORS/TRANSMITTER INSIDE LVEA AT 18" ABOVE FINISHED FLOOR. LOCATE SENSORS AWAY FROM ANY HEAT SOURCE. LOCATE ALL OTHER TEMPERATURE SENSOR/TRANSMITTERS AT 48" ABOVE FLOOR.
 - LOCATE RETURN AIR REGISTERS ON THE WALLS BETWEEN STUDS.
 - FOR PIPING FLOOR PLAN SEE SHEET LA-H-117.
 - FOR LOCATION OF CONTROL PANELS SEE SHEET LA-H-117.

ROOM TEMPERATURE SETTING		
ROOM NAME	TEMPERATURE SET POINT (°F)	
	MIN	MAX
LVEA AREA-1	72	72
LVEA AREA-2	72	72
LVEA AREA-4	72	72
LVEA AREA-5	72	72
MECHANICAL ROOM	65	80

- LEGEND:**
- TT XY: ROOM TEMPERATURE SENSOR/TRANSMITTER
 - TT XY: TEMPERATURE TRANSMITTER ID LETTER
 - LVEA: LASER VACUUM EQUIPMENT AREA NUMBER
 - HF-1: HEPA FILTER OUTLET, 570 CFM



0 8 16 24 32 FT
 1/8" = 1'-0"

LIGO-D960967-02-0

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

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
2	8-7-98	DJB				ISSUED FOR AS-BUILT
1	3-20-97	WNK	AA	AA	TDM	REVISED NOTES 3 AND 4

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	11-15-96	CLP				ISSUED FOR CONSTRUCTION
		MN				CHECKED
		AA				ENGINEER
		TDM				PROJ

AS-BUILT DRAWINGS

PARSONS
 100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

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 CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

TITLE	AS NOTED	CONTRACT NUMBER	PROJECT NUMBER
HVAC CORNER STATION LVEA FLOOR PLAN SHEET 1	PP150969	8094	
SHEET NUMBER	LA-H-111		