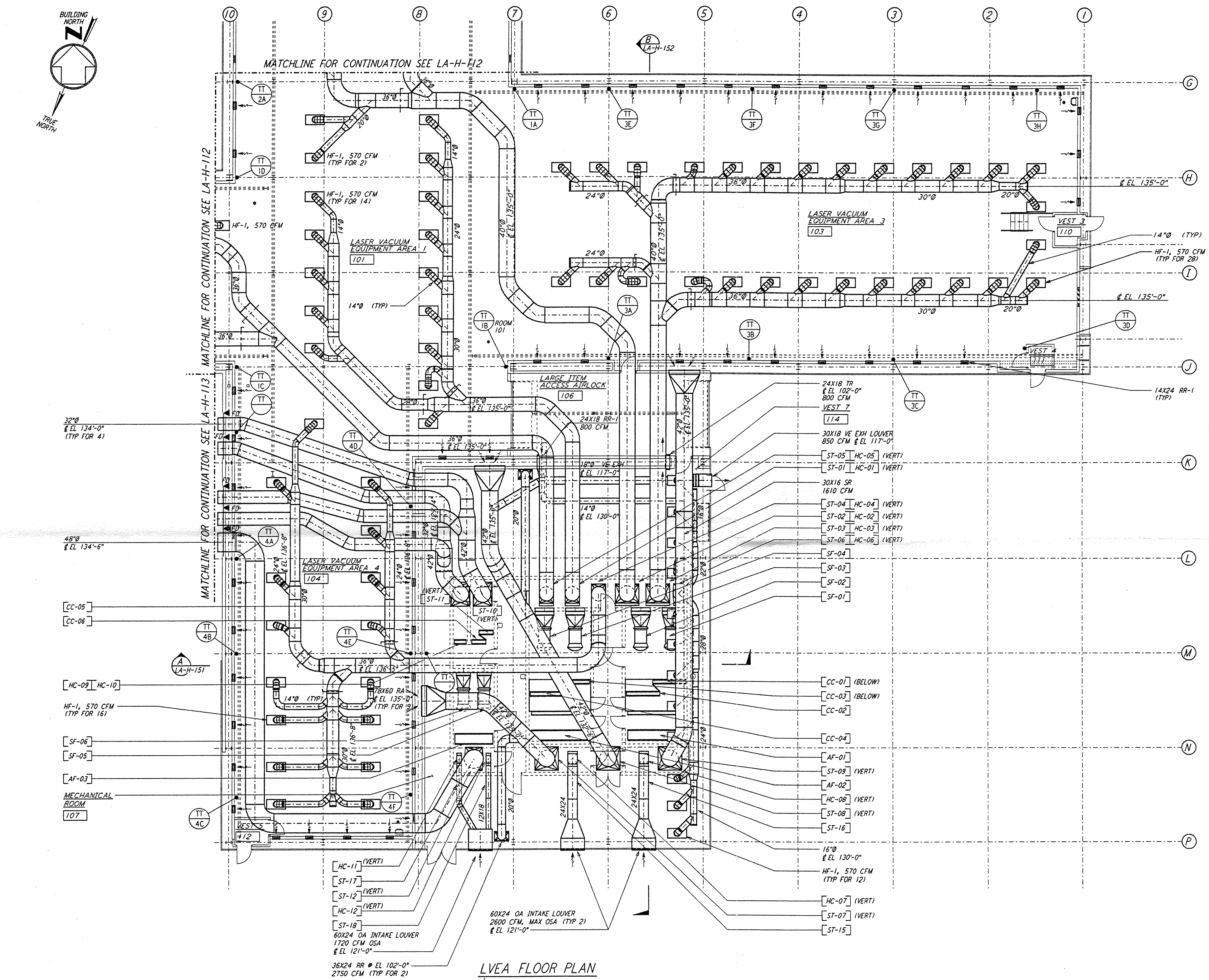
DATE: 10/23:96 TIME: 08:58:18
DESIGN FILE: I:\ligo\site2\mu\lah111.d3z



LVEA FLOOR PLAN
1/8" = 1'-0"

NOTES:

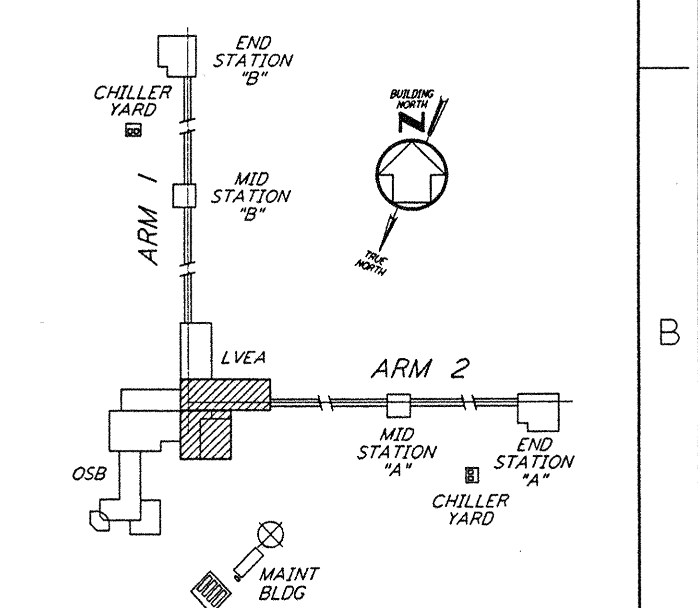
1. FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES SEE SHEETS LA-H-001 AND LA-H-002.
2. ALL SUPPLY AIR DUCTS SHALL BE DOUBLE WALL WITH 1" RIGID INSULATION AND PERFORATED SHEET METAL LINER.
3. RETURN AIR DUCTS FROM LVEA SHALL BE DOUBLE WALL WITH 1" RIGID INSULATION AND PERFORATED SHEET METAL LINER.
4. RETURN AIR DUCTS FROM OSB SHALL BE SINGLE WALL WITHOUT INSULATION WITHIN OSB ARE, DOUBLE WALL WITH 1" RIGID INSULATION AND PERFORATED SHEET METAL LINER INSIDE LVEA AND MECHANICAL ROOM.
5. RETURN AIR DUCTS FROM MECHANICAL ROOM SHALL BE SINGLE WALL WITHOUT INSULATION.
6. OUTSIDE AIR DUCTS AND INTAKE PLENUMS SHALL BE DOUBLE WALL WITH 2" INSULATION AND SHEET METAL JACKET.
7. 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.
8. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF THE AIR HANDLING UNITS LAYOUT, THE CONTRACTOR WILL SUBMIT THE SHOP DRAWINGS INDICATING ALL CONSTRUCTION DETAILS.
9. THE TEMPERATURE SENSORS FOR EACH ZONE WILL BE USED TO AVERAGE THE ROOM TEMPERATURE OR TO SELECT ANY ONE TO CONTROL THE ROOM TEMPERATURE.
10. LOCATE ROOM TEMPERATURE SENSORS/TRANSMITTER INSIDE LVEA AT 18" ABOVE FINISHED FLOOR. LOCATE SENSORS AWAY FROM ANY HEAT SOURCE.
11. LOCATE RETURN AIR REGISTERS ON THE WALLS BETWEEN STUDS.
12. FOR PIPING FLOOR PLAN SEE SHEET LA-H-117.
13. 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 / XX — ROOM TEMPERATURE SENSOR/TRANSMITTER; TEMPERATURE TRANSMITTER ID LETTER; LASER VACUUM EQUIPMENT AREA NUMBER

▭ HF-1, HEPA FILTER OUTLET, 570 CFM



KEY PLAN

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

ISSUED FOR CONSTRUCTION		
DRAWN	CLP	11-15-96
CHECKED	[illegible]	10-25-96
ENGINEER	AA	10-23-96
PROJ	[illegible]	11/15/96

REFERENCES: DRAWING NO. | DESCRIPTION
REVISIONS: NO. | DATE | BY | CHKD | ENGR | PROJ | DESCRIPTION

STATE OF LOUISIANA — MARK A. ELKAN — REG. No. 24542 — REGISTERED PROFESSIONAL ENGINEER

PARSONS
100 WEST WALNUT STREET
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 LVEA FLOOR PLAN SHEET 1

SCALE: AS NOTED | CONTRACT NUMBER: PP150969 | PROJECT NUMBER: 8094
SHEET NUMBER: LA-H-111 | REVISIONS: 0

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