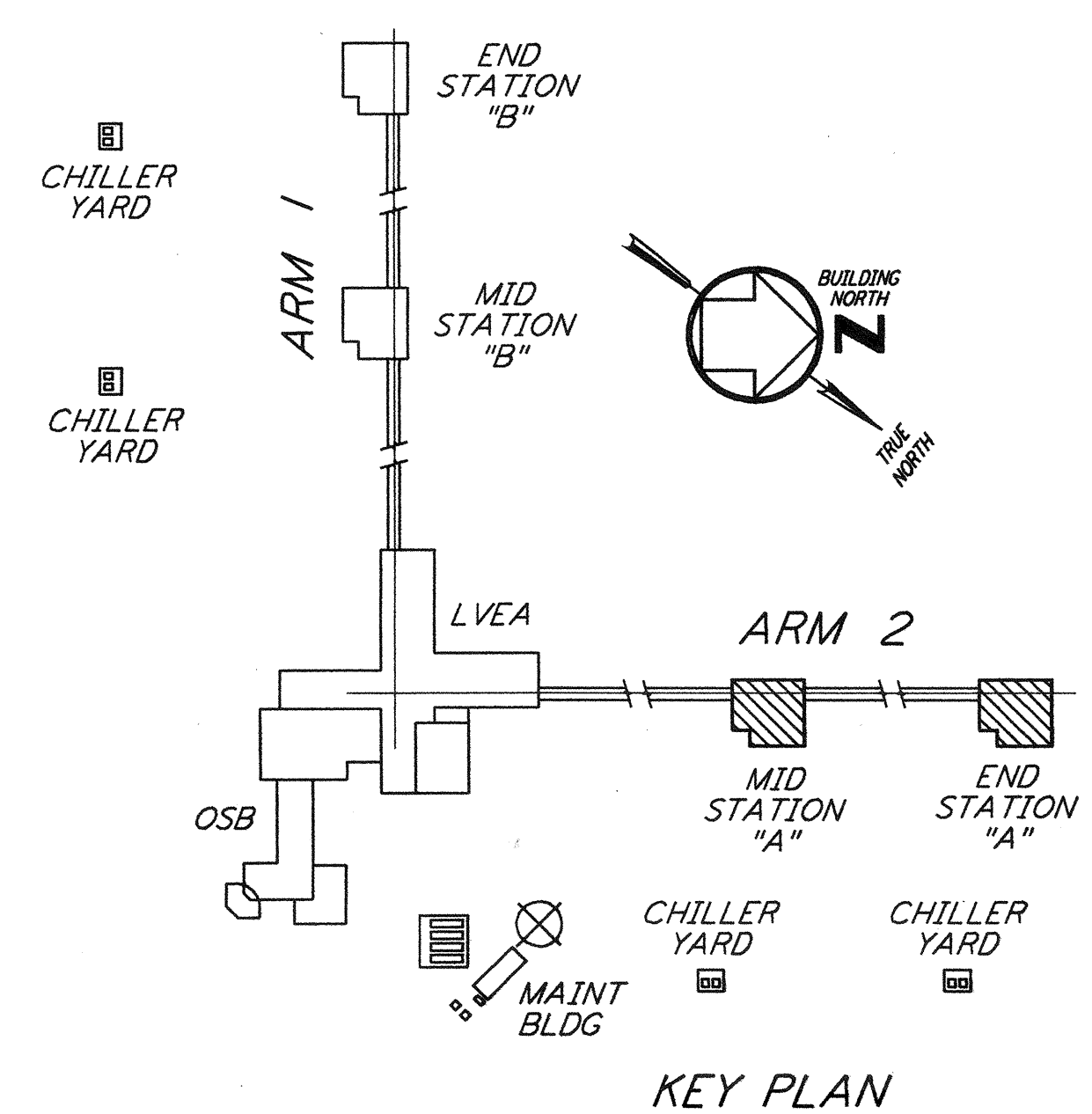
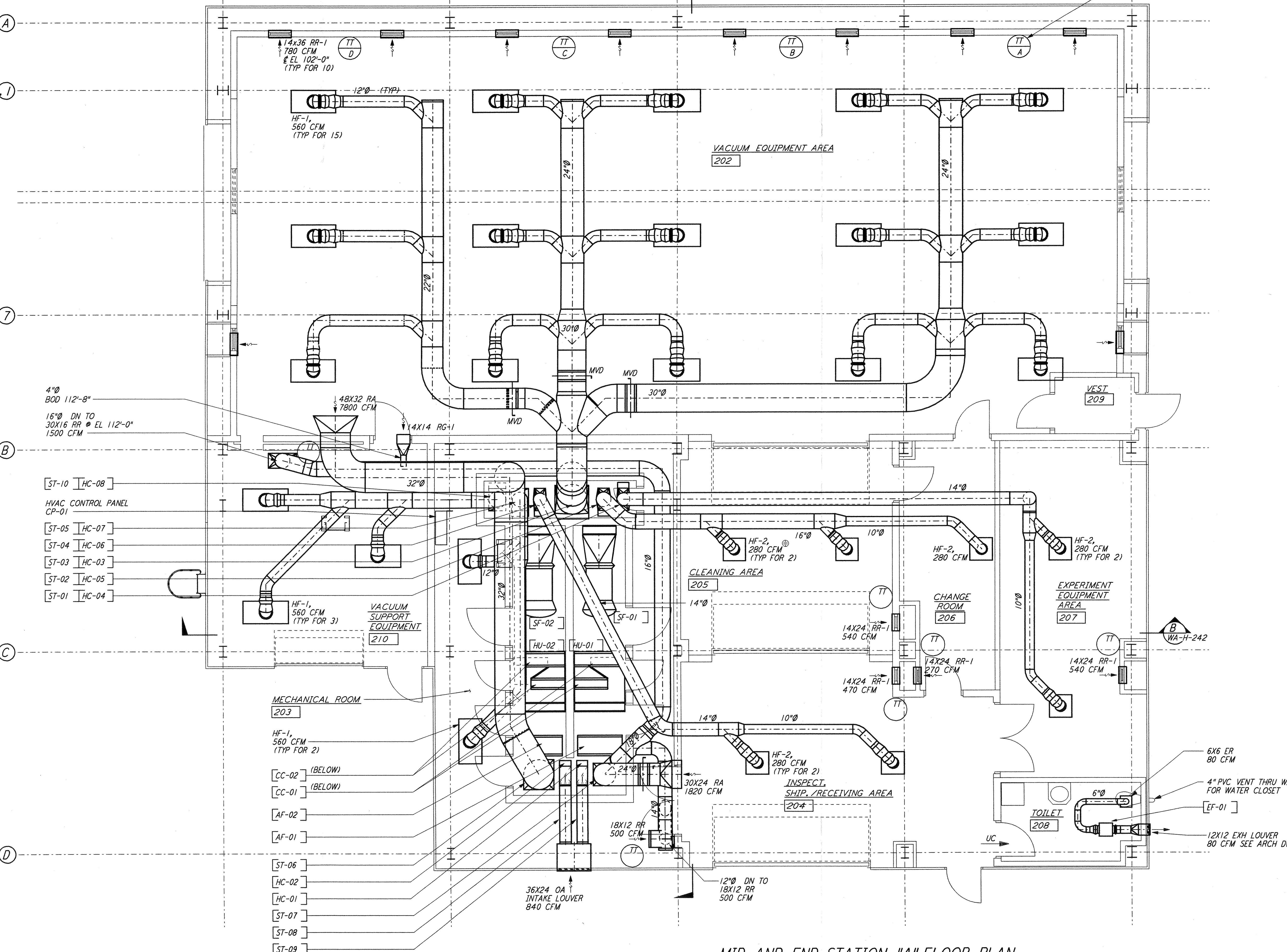


- NOTES:**
- FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES SEE SHEET WA-H-001 AND WA-H-002.
  - ALL SUPPLY AIR DUCTS SHALL BE DOUBLE WALL WITH 1" RIGID INSULATION AND PERFORATED SHEET METAL LINER.
  - RETURN AIR DUCTS FROM VEA ROOM (202) SHALL BE DOUBLE WALL WITH 2" RIGID INSULATION AND PERFORATED SHEET METAL LINER.
  - ALL OTHER RETURN AIR DUCTS SHALL BE SINGLE WALL WITHOUT INSULATION OR DUCT LINER.
  - OUTSIDE AIR DUCTS AND INTAKE PLENUMS SHALL BE DOUBLE WALL WITH 2" INSULATION AND SHEET METAL JACKET.
  - TOILET EXHAUST DUCTS SHALL BE SINGLE WALL WITH 1/2" RIGID DUCT LINING.
  - HU-01 & HU-02 SHALL BE LOCATED ON TOP OF THE AIR HANDLING UNIT.
  - VACUUM EQUIPMENT AREA SHALL BE PROVIDED WITH FOUR TEMPERATURE SENSORS TO AVERAGE THE ROOM TEMPERATURE OR TO SELECT ANY ONE TO CONTROL THE ROOM TEMPERATURE.
  - LOCATE TEMPERATURE SENSORS IN VEA 18" ABOVE FLOOR. LOCATE SENSORS AWAY FROM HEAT SOURCE.
  - LOCATE TEMPERATURE SENSORS IN OTHER ROOMS 48" ABOVE FLOOR.
  - THE INTERIOR ENVELOPE OF THE AIR HANDLING UNITS AND THE SUPPLY AIR PLENUM (EXCEPT FLOOR) SHALL BE COVERED WITH 2" RIGID DUCT LINER WITH PERFORATED SHEET METAL LINER.
  - DRAWINGS SHOW THE GENERAL ARRANGEMENT OF THE AIR HANDLING UNITS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INDICATING ALL CONSTRUCTION DETAILS.

ROOM TEMPERATURE SETTING		
ROOM NAME	TEMPERATURE SET POINT (°F)	
	MIN	MAX
VACUUM EQUIP AREA (VEA)	72	72
EXPERIMENT EQUIP AREA-A	65	80
CHANGE ROOM	65	80
CLEANING AREA - A	65	80
INSPECTION/SHIP/REC	65	80
MECHANICAL ROOM	65	80
VE	65	80



**MID AND END STATION "A" FLOOR PLAN**  
 1/4" = 1'-0"

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

**LIGO-D960360-02-O**

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

TITLE: HVAC  
 MID & END STATIONS "A"  
 FLOOR PLAN

SCALE: AS NOTED  
 CONTRACT NUMBER: PPI50969  
 PROJECT NUMBER: 8094  
 SHEET NUMBER: **WA-H-211**

**PARSONS**  
 100 WEST WALNUT STREET  
 PASADENA, CALIFORNIA

**LIGO**  
 CALIFORNIA INSTITUTE OF TECHNOLOGY  
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

ISSUED FOR CONSTRUCTION  
 DRAWN: CLP 6-24-96  
 CHECKED: ME 7/3/96  
 ENGINEER: AA 7/3/96  
 PROJ: 1770W 7/29/96

**AS-BUILT DRAWINGS**

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
2	5-15-98	CP	AA	AA	AA	ISSUED FOR AS-BUILT
1	3-20-97	WVK	AA	AA	TOM	REVISED NOTE 3

DRAWING NO.	DESCRIPTION
5	

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