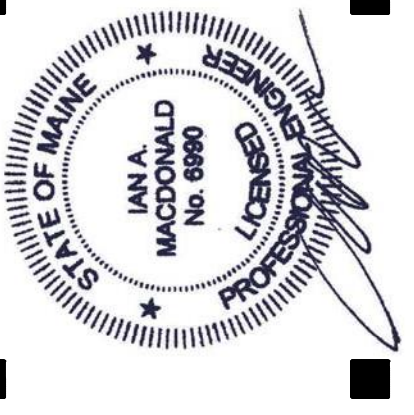


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GENERAL SCALE: 1/2" = 1'-0"
PROJECT SCALE: 1/2" = 1'-0"
DATE: 8/7/2015

CONSTRUCTION DOCUMENT SET FOR CONSTRUCTION

No.	Description	DATE
1	ADDITUM 1	8/7/2015
2	ADDITUM 2	8/7/2015
3	ADDITUM 3	8/7/2015
4	ADDITUM 4	8/7/2015
5	ADDITUM 5	8/7/2015

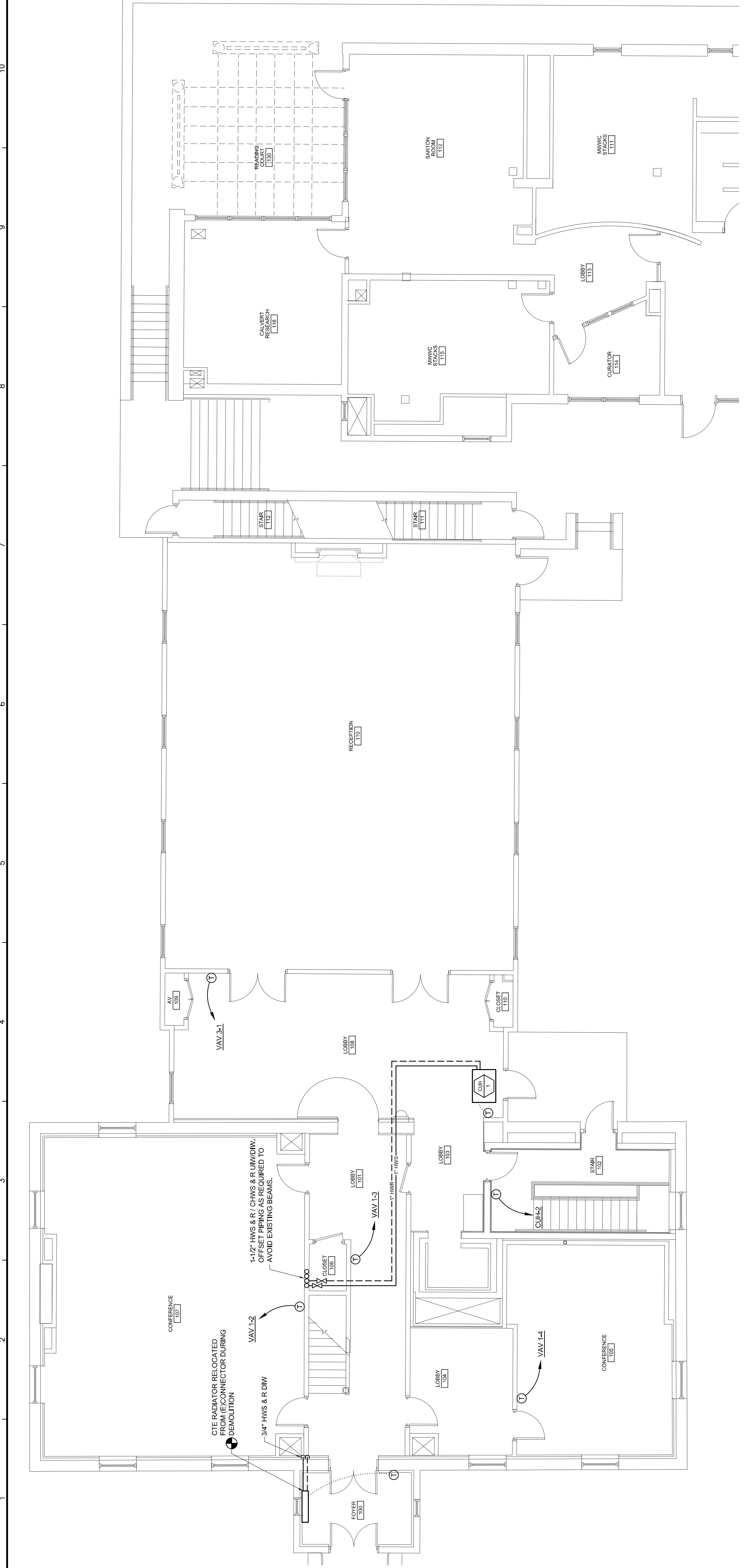
UNIVERSITY OF NEW ENGLAND
PORTLAND, MAINE

ALUMNI HALL RENOVATION

MECHANICAL PIPING PLAN ~ FIRST FLOOR

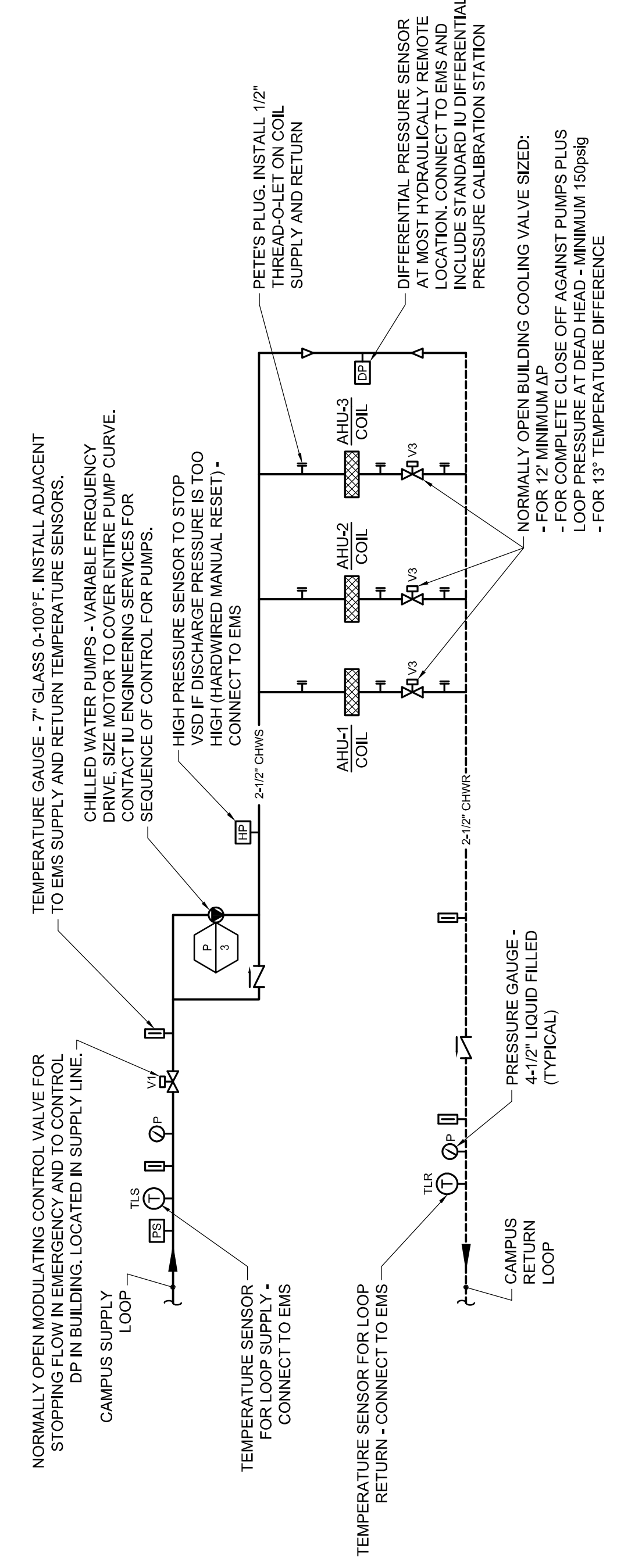
Project Number: 14525
Date: August 7, 2015
Drawn by: [blank]
Checked by: HAG

MP1.2
Scale: AS NOTED



C1 MECHANICAL PIPING PLAN ~ FIRST FLOOR

3/16" = 1'-0"



A1 DETAIL ~ CAMPUS CHILLED WATER PIPING SCHEMATIC

NOT TO SCALE

NORMALLY OPEN MODULATING CONTROL VALVE FOR STOPPING FLOW IN EMERGENCY AND TO CONTROL DP IN BUILDING. LOCATED IN SUPPLY LINE.

CAMPUS SUPPLY LOOP

TEMPERATURE SENSOR FOR LOOP SUPPLY - CONNECT TO EMS

TEMPERATURE SENSOR FOR LOOP RETURN - CONNECT TO EMS

TEMPERATURE GAUGE - 7" CLASS 0-100°F. INSTALL ADJACENT TO EMS SUPPLY AND RETURN TEMPERATURE SENSORS.

CHILLED WATER PUMPS - VARIABLE FREQUENCY DRIVE. SIZE MOTOR TO COVER ENTIRE PUMP CURVE. CONTACT I/ENGINEERING SERVICES FOR SEQUENCE OF CONTROL FOR PUMPS.

HIGH PRESSURE SENSOR TO STOP VSD IF DISCHARGE PRESSURE IS TOO HIGH (HARDWIRED MANUAL RESET) - CONNECT TO EMS

PETE'S PLUG. INSTALL 1/2" THREAD-O-LET ON COIL SUPPLY AND RETURN

DIFFERENTIAL PRESSURE SENSOR AT MOST HYDRAULICALLY REMOTE LOCATION. CONNECT TO EMS AND INCLUDE STANDARD I/ DIFFERENTIAL PRESSURE CALIBRATION STATION

NORMALLY OPEN BUILDING COOLING VALVE SIZED:

- FOR 12' MINIMUM JUMP OFF AGAINST PUMPS PLUS PRESSURE AT DEAD-HEAD - MINIMUM 150psig
- FOR 13' TEMPERATURE DIFFERENCE