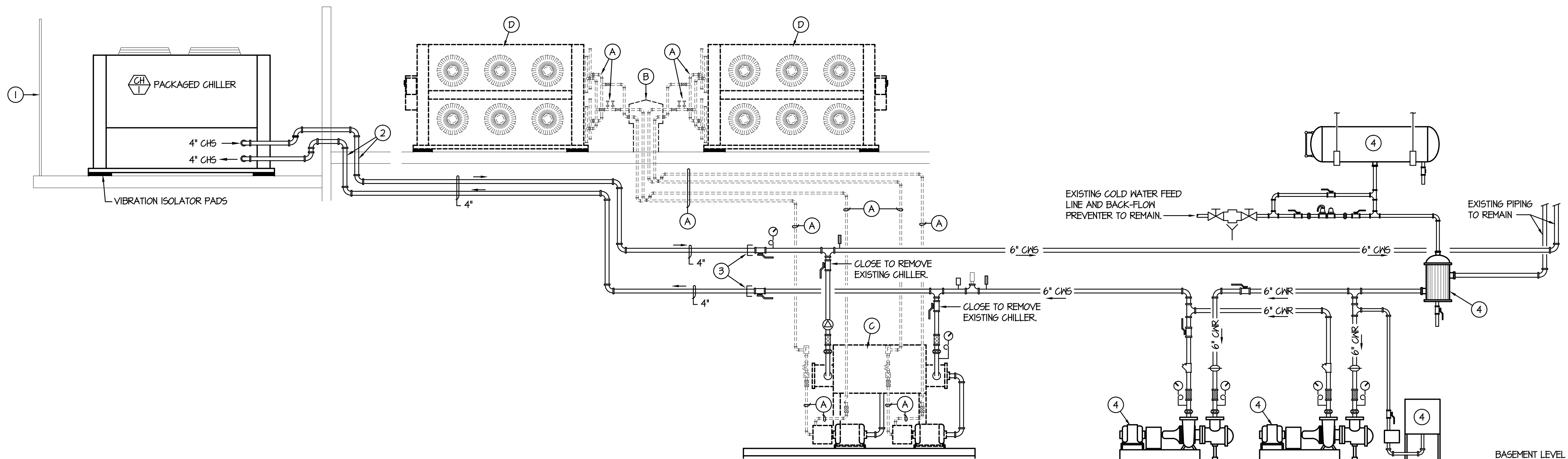


F:\V\17059\181 Liberal Arts Chiller\17059-M02 - Chilled Water Piping Diagram.dwg Mar 15, 2018 - 10:53am



CHILLED WATER SYSTEM PIPING DIAGRAM
NO SCALE

CHILLER SCHEDULE

SYM.	TYPE	NOMINAL TONS	CHILLER								LB5	REMARKS
			ENT	LWT	CHAR	MCA	COP	MIN. GPM	MAX. GPM	PD		
CH	PACKAGED	120	55°F	45°F	208/60/3	522	10.4	140	360	15'	6000#	TRANE MODEL CGAM120 HIGH EFFICIENCY CHILLER WITH SCROLL COMPRESSORS

PLAN NOTES:

- 1 CONCRETE PAD AND CHAIN LINK FENCE BY GENERAL CONTRACTOR. REFER TO SHEET A-1.
- 2 CORE DRILL EXISTING CONCRETE FLOOR FOR NEW 4" CHILLED WATER LINES AND POWER CONDUIT TO DROP DOWN INTO MECHANICAL ROOM BELOW. PROVIDE SHEET METAL FLANGE AROUND PIPING AND SEAL WATER TIGHT. ALL NEW EQUIPMENT AND PIPING TO BE INSTALL AS MUCH AS POSSIBLE BEFORE EXISTING EQUIPMENT IS SHUT-DOWN AND PIPING IS REMOVED TO MINIMIZE SHUT-DOWN TIME
- 3 CONNECT NEW 4" CHILLED WATER SUPPLY AND RETURN LINES TO CORRESPONDING 6" LINES ABOVE EXISTING CHILLER. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING. OPEN EXISTING SHUT-OFF VALVE AFTER NEW CHILLER IS OPERATIONAL AND CLOSE EXISTING SHUT-OFF VALVE TO EXISTING CHILLER. ALL NEW EQUIPMENT AND PIPING TO BE INSTALL AS MUCH AS POSSIBLE BEFORE EXISTING EQUIPMENT IS SHUT-DOWN AND PIPING IS REMOVED TO MINIMIZE SHUT-DOWN TIME
- 4 EXISTING AIR SEPARATOR, CIRCULATING PUMPS, CHEMICAL FEED TANK AND EXPANSION TANK TO REMAIN. PROTECT ALL PIPING AND EQUIPMENT DURING CONSTRUCTION.

ALTERNATE BID NOTES:

- A DISCONNECT AND REMOVE ALL EXISTING REFRIGERANT PIPING AND CONTROL WIRING WHICH SERVE EXISTING CONDENSERS. REMOVE FROM COURTYARD, DOWN THRU CONCRETE FLOOR, AND IN MECHANICAL ROOM BELOW. EXISTING CIRCUIT OUT TO LAWN AREA IS TO REMAIN. OWNER TO CAPTURE AND STORE ALL EXISTING R-22 REFRIGERANT. COORDINATE WORK SCHEDULE WITH OWNER. ALL NEW EQUIPMENT AND PIPING TO BE INSTALL AS MUCH AS POSSIBLE BEFORE EXISTING EQUIPMENT IS SHUT-DOWN AND PIPING IS REMOVED TO MINIMIZE SHUT-DOWN TIME.
- B DISCONNECT AND REMOVE EXISTING METAL PIPE COVER IN COURTYARD. DISCONNECT AND REMOVE EXISTING CHILLER FROM EXISTING REFRIGERANT PIPING, POWER WIRING AND CONDUITS AND CONTROL WIRING AND CONDUITS. ALL NEW EQUIPMENT AND PIPING TO BE INSTALL AS MUCH AS POSSIBLE BEFORE EXISTING EQUIPMENT IS SHUT-DOWN AND PIPING IS REMOVED TO MINIMIZE SHUT-DOWN TIME.
- C DISCONNECT AND REMOVE EXISTING INDOOR CHILLER AND ALL ASSOCIATED REFRIGERANT PIPING, AND CONTROLS. ALL NEW EQUIPMENT AND PIPING TO BE INSTALL AS MUCH AS POSSIBLE BEFORE EXISTING EQUIPMENT IS SHUT-DOWN AND PIPING IS REMOVED TO MINIMIZE SHUT-DOWN TIME.
- D DISCONNECT AND REMOVE EXISTING VERTICAL AIR COOLED CONDENSING UNIT FOR EXISTING REFRIGERANT PIPING AND CONTROL WIRING. ALL NEW EQUIPMENT AND PIPING TO BE INSTALL AS MUCH AS POSSIBLE BEFORE EXISTING EQUIPMENT IS SHUT-DOWN AND PIPING IS REMOVED TO MINIMIZE SHUT-DOWN TIME.



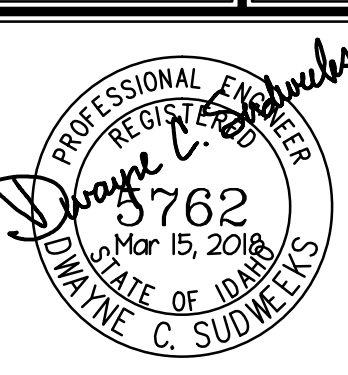
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DPW PROJECT #18223 - CHILLER REPLACEMENT FOR:
LIBERAL ARTS BUILDING
IDAHO STATE UNIVERSITY
POCATELLO, IDAHO

CHILLED WATER PIPING DIAGRAMS & SCHEDULES

PROJECT:



DRWN. BY: M. JENSEN
JOB NO. 17059
OKD. BY: D. SUDWEEKS
DATE: FEB. 2018

SHEET: **M-2**
OF: SIX