KEYED NOTES: 1. CONTROLS ENCLOSURE: MOUNTED ON EXTERIOR WALL OF BUILDING ACROSS FROM THE COOLING TOWER. NEMA 4 OUTDOOR RATED ENCLOSURE, 250 #. SEE ELECTRICAL PLANS FOR POWER CONNECTION. ELECTRICAL CONTRACTÖR TO PROVIDE LINE VOLTAGE WIRING TO CONTROL PANEL, AND FROM CONTROL PANEL TO (2) CONDENSER FANS AND TO PAN HEATER. FIELD INSTALLED PAN HEATER LOW WATER CUT OFF FIELD INSTALLED PAN HEATER THERMOSTAT VIBRATION SWITCH FIELD INSTALLED CT-1 CONTROLLER NEW TEMP SENSOR. RELOCATED CHEM FEEDERS CONTROLLER; COORDINATE REQUIREMENTS WITH EXISTING CHEMICAL TREATMENT CONTRACTOR. 8. NEW THERMOMETER. 9. NEW PT PORT. 10. TRANSITION FROM PVD TO SCH 40 STEEL PIPING INSIDE PIPING. SEE SPECS. FOR DETAILS. 11. CONNECT (N)6"CS LINES TO MAIN FOR INSTALLATION OF NEW BASKET STRAINER. INSTALL A NEW VALVE IN THE BY-PASS. $\langle AI \rangle \langle 6 \rangle$ 6 (A) T (E)4"CWS (EXISTING) CH-2 CHILLER (E)CONTROLS 2 — — — — CONTROL PANEL TRANE RTWA080 (E)4"CR (80 TONS)

(EXISTING) CH-1

TRANE RTWA080

(E)6"CWR

(E) 4"CWR

P21B

(80 TONS)

∠ (E)6"CWS

CHILLER

CONTROL PANEL

TO BLDG CHWS
BLDG DISTRIBUTION
INCLUDING ANNEX
BLDG.
CHWR

(E)CONTROLS ← — — — -

SEQUENCE OF OPERATION:

- EXISTING BAS CONTROLS SOO'S WILL REMAIN TO GOVERN PUMP OPERATION AND CHILLER OPERATION.
- WHEN EITHER CONDENSER PUMP IS ENABLED, THE CT-1 WILL BE ENABLED FOR OPERATION, AND BOTH FAN VFD'S WILL MODULATE IN UNISON TO
- MAINTAIN CS TEMPERATURE SET POINT. 3. IF ONE FAN IS SHUT OFF OR FAILS, BAS TO SEND AN ALARM TO OPERATE INTERFACE, AND MODULATE REMAINING FAN TO MEET CS TEMPERATURE
- 4. ALL CONTROL POINTS SHOWN WILL BE MAPPED TO OPERATOR INTERFACE, EVEN IF JUST FOR INFORMATIONAL PURPOSES.

GENERAL NOTES:

· (E)4"CR

(E)4"CS -

BLEED SOLENOID - VALVE.

ROUTE TO

FLOOR DRAIN

P23A

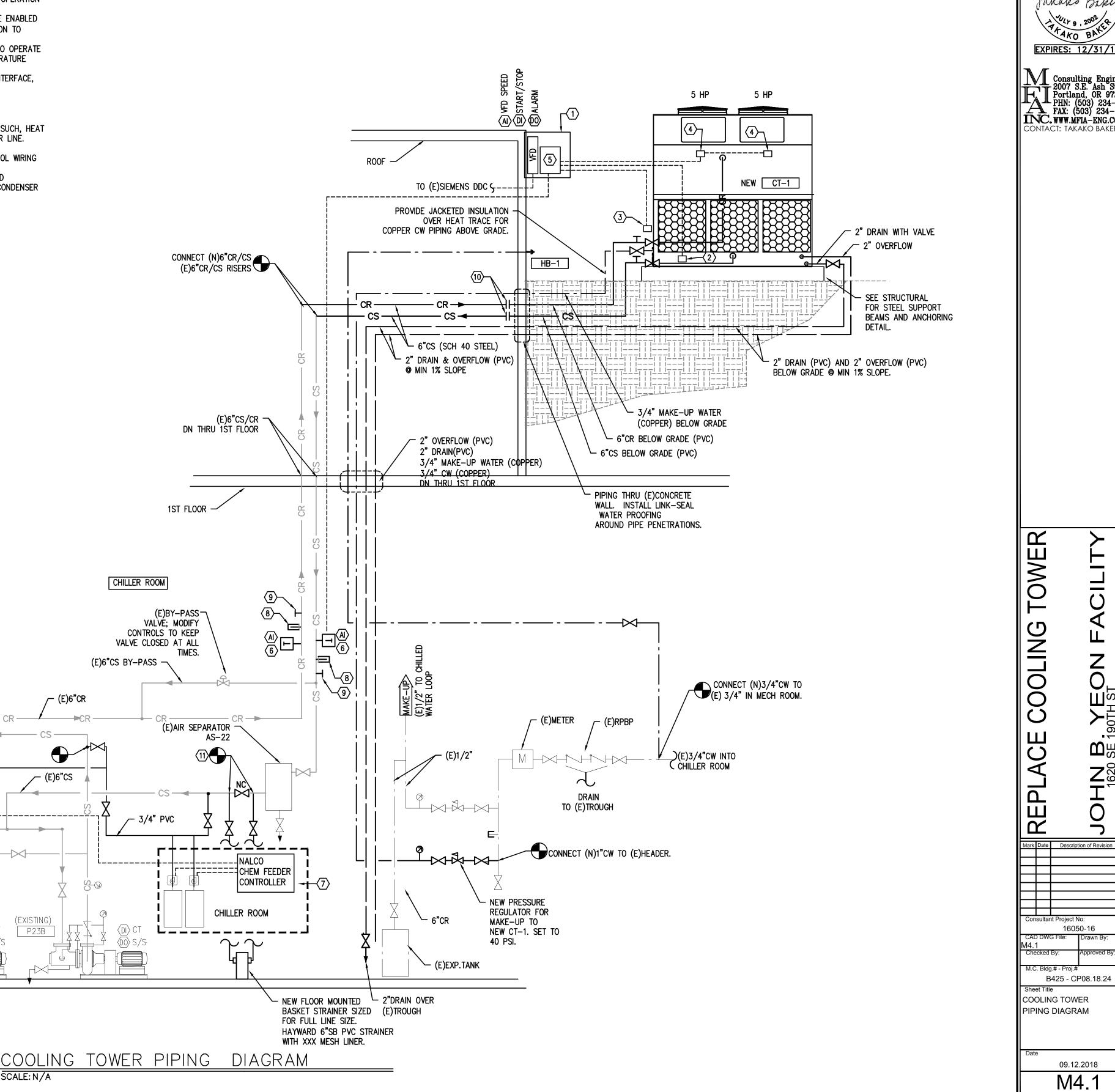
(E)6"CS

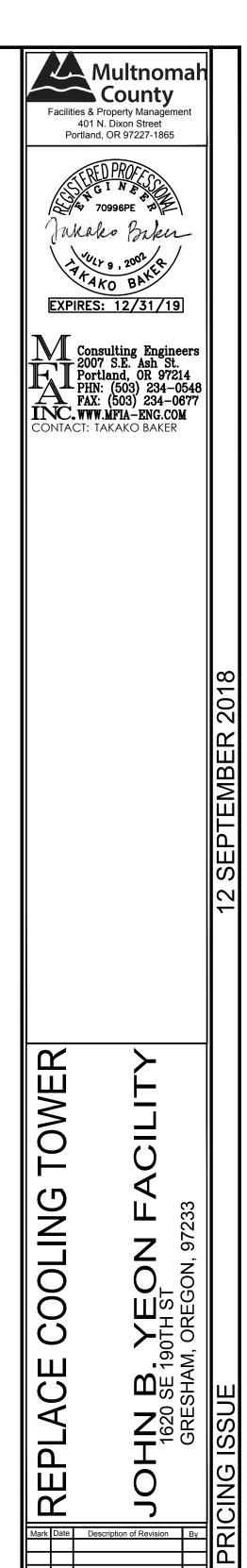
P23B

M4.0 SCALE: N/A

S

- COOLING TOWER TO BE DRAINED IN THE HEATING SEASON. AS SUCH, HEAT TRACE AND INSULATION IS ONLY PROVIDED ON EXPOSED WATER LINE.
- 2. SEE SPECIFICATIONS FOR APPROVED PIPING MATERIALS. 3. CONTROLS CONTRACTOR TO PROVIDE ALL LOW VOLTAGE CONTROL WIRING SHOWN ON THE PLAN. SEE ELECT. FOR LINE VOLTAGE WIRING.
- 4. NOTE TO BALANCER: TAB CONTRACTOR TO MEASURE FLOW AND PRESSURES WITH ONE AND TWO CHILLER OPERATION ON THE CONDENSER





M Sheet