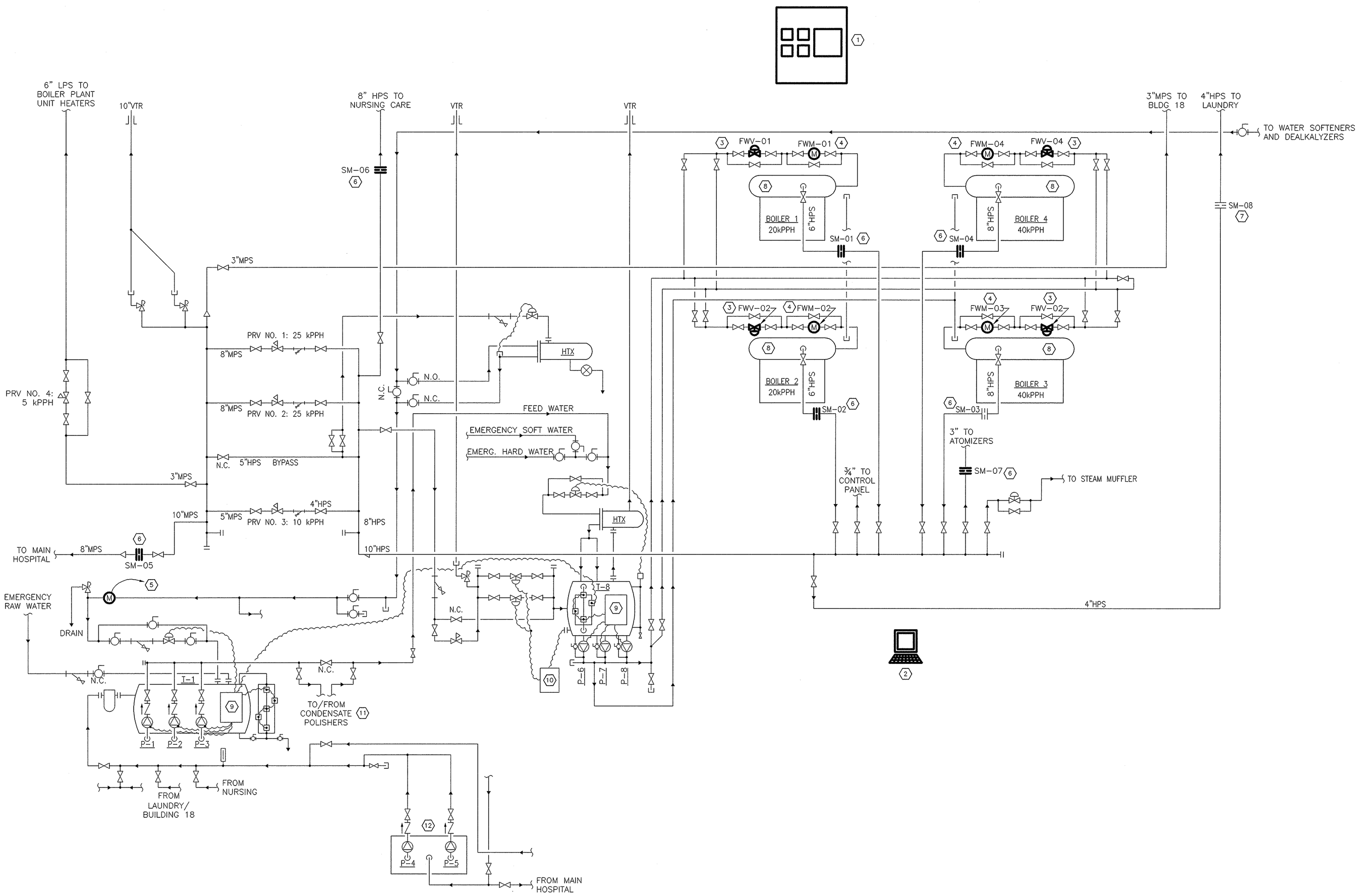

F1 BOILER SYSTEM SCHEMATIC – BASE BID
NOT TO SCALE

GENERAL SHEET NOTES

1. SEE SPECIFICATION SECTION 01 00 00, GENERAL REQUIREMENTS, FOR CONSTRUCTION PHASING REQUIREMENTS.

SHEET KEYNOTES

1. NEW COMBUSTION CONTROL PANEL. SEE SHEET 14-M210, "COMBUSTION CONTROL PANEL AND GAUGE PANEL ELEVATIONS."
2. NEW SERVER PC AND SCADA SOFTWARE TO MONITOR, TREND, AND ANALYZE PLANT DATA.
3. NEW PNEUMATIC FEEDWATER VALVE. SEE VALVE SCHEDULE FOR SIZE AND SHEET 14-M510 FOR CONTROL DETAIL.
4. INSTALL NEW VORTEX SHEDDING FEED WATER METER. SEE SPECIFICATION AND METER SCHEDULE. CONNECT OUTPUT SIGNAL TO CONTROL PANEL.
5. INSTALL NEW POSITIVE DISPLACEMENT DISK OR TURBINE TYPE MAKE-UP WATER METER. SEE SPEC. AND METER SCHEDULE. CONNECT OUTPUT SIGNAL TO CONTROL PANEL.
6. INSTALL NEW VORTEX SHEDDING STEAM METER. SEE METER SCHEDULE AND SHEET 14-M510 FOR INSTALLATION DETAILS. CONNECT OUTPUT SIGNAL TO CONTROL PANEL.
7. ABANDON EXISTING METER.
8. NEW CONDUCTIVITY PROBE DRUM LEVEL SENSOR. CONNECT OUTPUT SIGNAL TO CONTROL PANEL.
9. CONNECT EX. PUMP CONTROL PANEL TO MAIN COMBUSTION PANEL TO REPORT TANK LEVEL, PUMP STATUS, ETC. TYP. OF TWO.
10. CONNECT EX. CONTROL PANEL TO MAIN CONTROL PANEL TO REPORT FEED WATER TEMPERATURE.
11. CONNECT EX. CONDENSATE POLISHER PANEL TO MAIN CONTROL PANEL TO REPORT POLISHER STATUS.
12. CONNECT EX. DUPLEX CONDENSATE RECEIVER PANEL TO NEW MAIN CONTROL PANEL TO REPORT PUMP OPERATING STATUS.

Revisions	Date

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Drawing Title	Project Title	Project Number
BOILER SYSTEM SCHEMATIC BASE BID	UPGRADE BOILER PLANT INSTRUMENTATION B/14	542-06-109
Approved: Project Director	Location: COATESVILLE, PA	Building Number: 014
	Date: 7 MAY 2009 / Checked: ASZ / Drawn: CHT	Drawing Number: 14-M610 Dwg. 10 of 16

Office of Facilities Management
Department of Veterans Affairs

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VA FORM 08-6231, OCT 1978