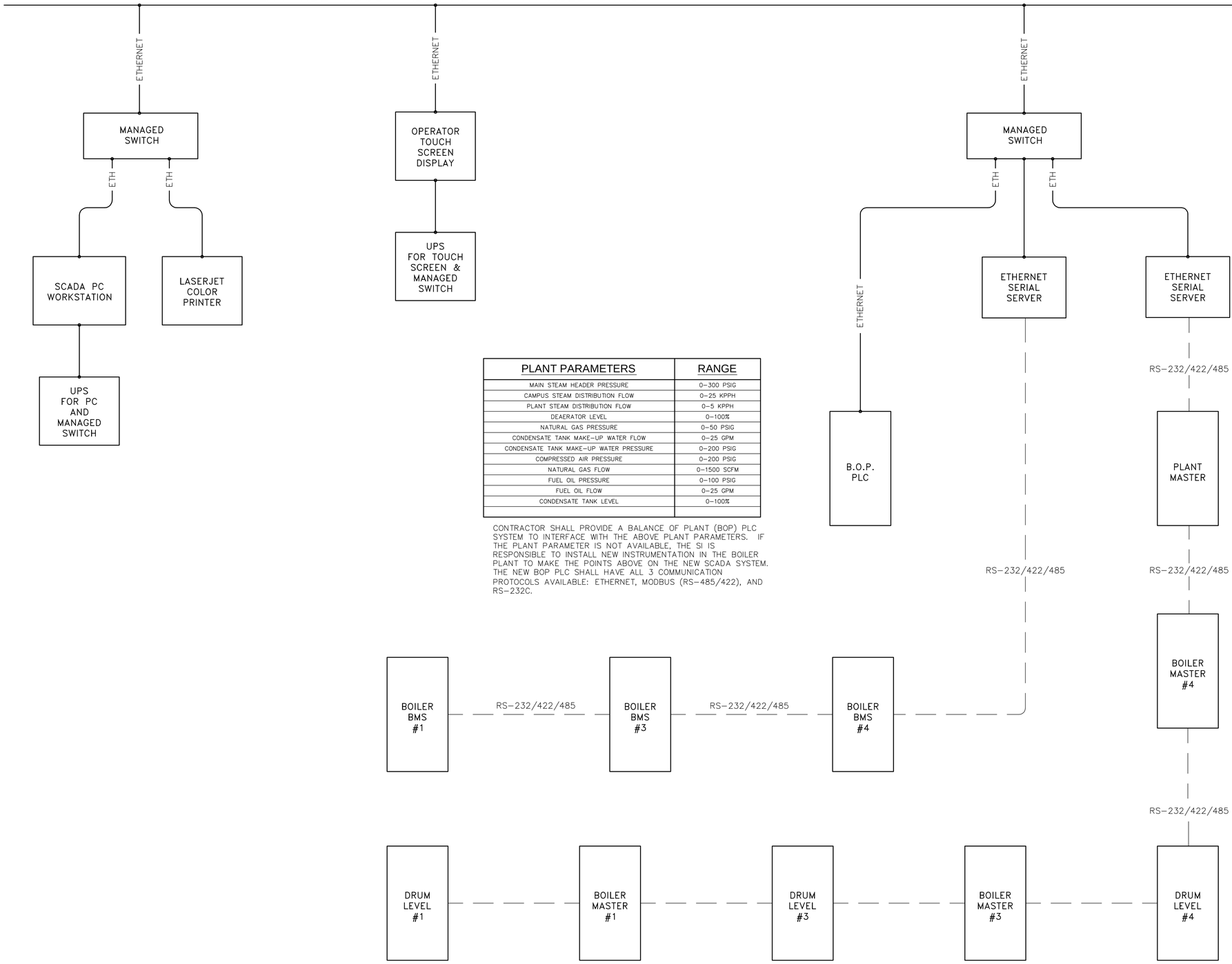
PLANTWIDE INDUSTRIAL ETHERNET MANAGED SWITCH



PLANT PARAMETERS	RANGE
MAIN STEAM HEADER PRESSURE	0–300 PSIG
CAMPUS STEAM DISTRIBUTION FLOW	0–25 KPPH
PLANT STEAM DISTRIBUTION FLOW	0–5 KPPH
DEAERATOR LEVEL	0–100%
NATURAL GAS PRESSURE	0–50 PSIG
CONDENSATE TANK MAKE–UP WATER FLOW	0–25 GPM
CONDENSATE TANK MAKE–UP WATER PRESSURE	0–200 PSIG
COMPRESSED AIR PRESSURE	0–200 PSIG
NATURAL GAS FLOW	0–1500 SCFM
FUEL OIL PRESSURE	0–100 PSIG
FUEL OIL FLOW	0–25 GPM
CONDENSATE TANK LEVEL	0–100%

CONTRACTOR SHALL PROVIDE A BALANCE OF PLANT (BOP) PLC SYSTEM TO INTERFACE WITH THE ABOVE PLANT PARAMETERS. IF THE PLANT PARAMETER IS NOT AVAILABLE, THE SI IS RESPONSIBLE TO INSTALL NEW INSTRUMENTATION IN THE BOILER PLANT TO MAKE THE POINTS ABOVE ON THE NEW SCADA SYSTEM. THE NEW BOP PLC SHALL HAVE ALL 3 COMMUNICATION PROTOCOLS AVAILABLE: ETHERNET, MODBUS (RS–485/422), AND RS–232C.

Revisions:	Date
4 Construction Documents	03-21-11
3 100% Review	04-30-10
2 90% Construction Documents	01-22-10
1 PROGRESS SET	07-20-09

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Drawing Title: **MECHANICAL SCADA SYSTEM**

Approved: Safety Manager

Approved By: Project Engineer

Approved By: Chief, FMS

Project Title: **BOILER PLANT MODIFICATIONS VETERANS INTEGRATED SERVICE NETWORK 1**

Location: **MANCHESTER, N.H.**

Building #	Scale	Checked	Drawn
7	AS NOTED	CWP	DYY

Date: 03/21/2011

VA Project Number: **608-11-110**

Drawing Number: **MI001**

Dwg. 17 of 20

Office of Facilities Management

Department of Veterans Affairs