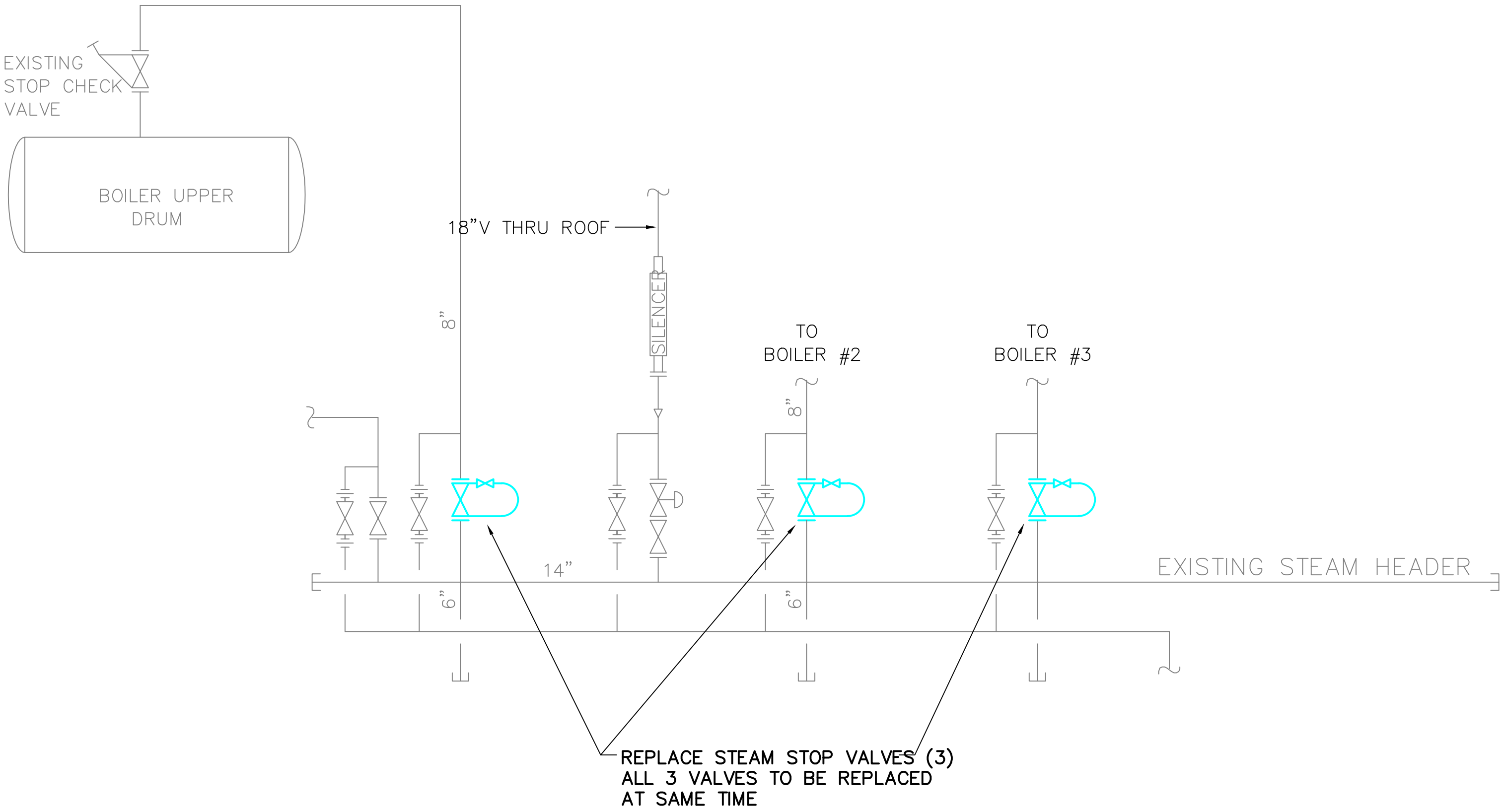
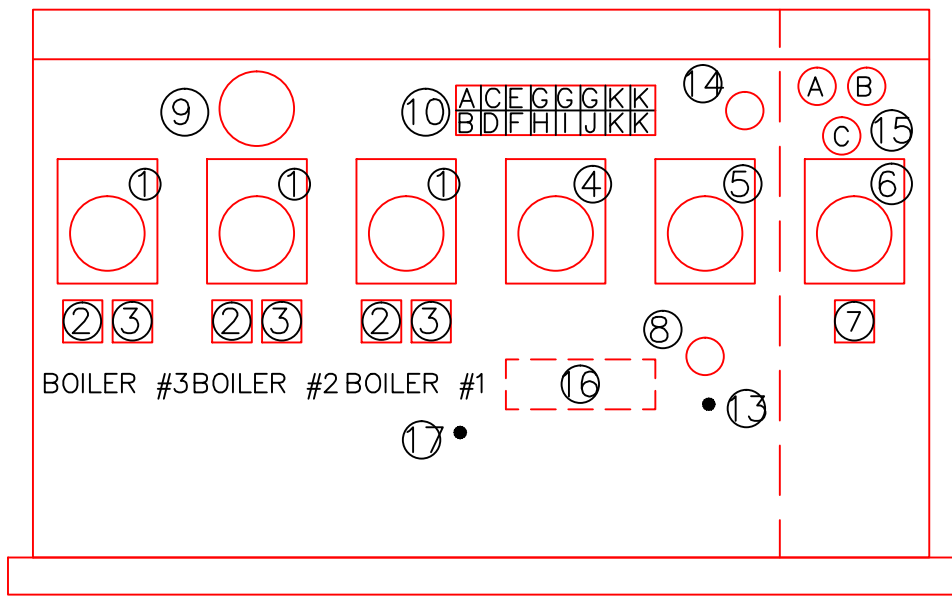


MASTER RECORDER BOILER RECORDERS
4 CHANNEL
8 CHANNEL

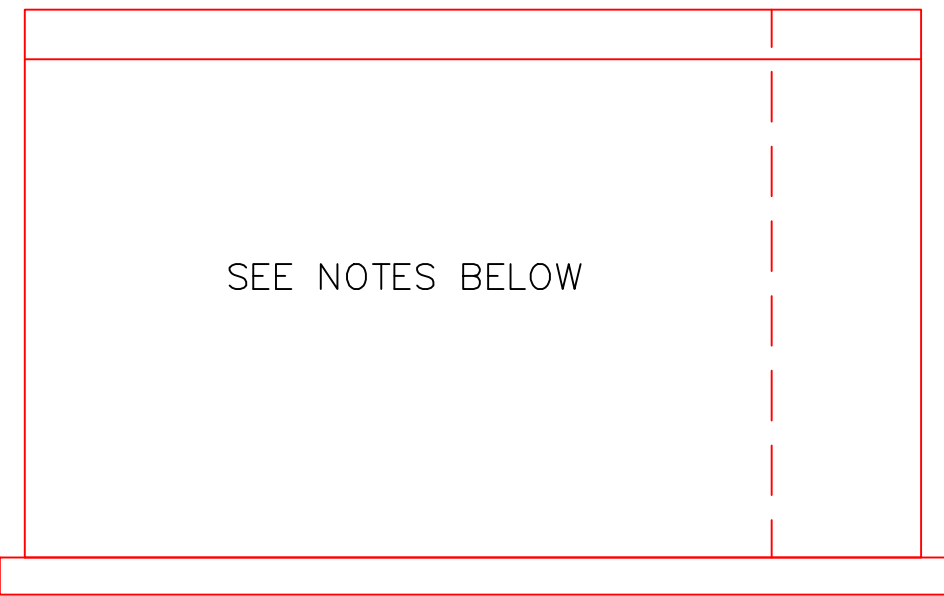
ITEM NO.	DESCRIPTION
1	BOILER OPERATION RECORDER A. STEAM FLOW 0.35000 PPH @ 125 PSIG INTEGRATOR WITH EIGHT COUNTERS B. DUAL RANGE OXYGEN 0-25% AND 0-10% 2 CONTROLLERS C. STACK TEMPERATURE (100°F TO 700°F) EACH BOILER
2	BOILER SUBMASTER (MAN. / AUTO STATION, BOILER BIAS CONTROL) 1 @ BOILER MASTER 1 @ FEED / DRAFT
3	BOILER AIR / FUEL RATIO CONTROL (MANUAL STATION)
4	SYSTEM FLOW RECORDER - RECORD - INTEGRATE (0-55,000 PPH @ 125 PSIG)
5	BOILER PLANT STEAM - RECORD - INTEGRATE (0-8,000 PPH @ 125 PSIG)
6	PLANT OPERATION RECORDERS (3 PENS) PLANT MASTER CONTROLLER (1) A. OUTSIDE AIR TEMPERATURE (-10°F TO 120°F) B. FEED WATER TEMPERATURE (0°F TO 300°F) C. STEAM HEADER PRESSURE (0-200 PSIG)
7	MASTER STEAM PRESSURE CONTROLLER (SET AT 125 PSIG)
8	EMERGENCY GAS VALVE SHUT-OFF MUSHROOM BUTTON
9	CLOCK (12" WITH SWEEP SECOND HAND)
10	ANNUNCIATOR SYSTEM A. HIGH LEVEL IN DEAERATORS B. LOW LEVEL IN DEAERATORS C. HIGH LEVEL IN SURGE TANK D. LOW LEVEL IN SURGE TANK E. EMERGENCY GAS VALVE CLOSED F. LOW FEEDWATER PRESSURE G. HIGH STEAM HEADER PRESSURE (SET @ 130 PSIG) H. LOW EXCESS AIR (EACH BOILER) I. HIGH NATURAL GAS PRESSURE (HEADER, SET @ 20 PSIG) J. L.P. PILOT GAS M USED (SET PRESSURE SW. @ 20 PSIG)
11	ANNUNCIATOR ACKNOWLEDGE BUTTON
12	ANNUNCIATOR TEST BUTTON
13	EMERGENCY GAS SAFETY SHUT-OFF VALVE RESET BUTTON
14	ANNUNCIATOR BELL (6"DIA.)
15	PRESSURE GAUGES A. STEAM HEADER B. NATURAL GAS HEADER (0-20 PSIG) C. FUEL OIL HEADER (0-200 PSIG)
16	START / STOP BUTTONS WITH PILOT LIGHTS FOR PUMPS
17	EMERGENCY WHISTLE BUTTON



STEAM FLOW SCHEMATIC
DIAGRAM
NO SCALE



EXISTING BOILER CONTROL PANEL -
ELEVATION
NO SCALE



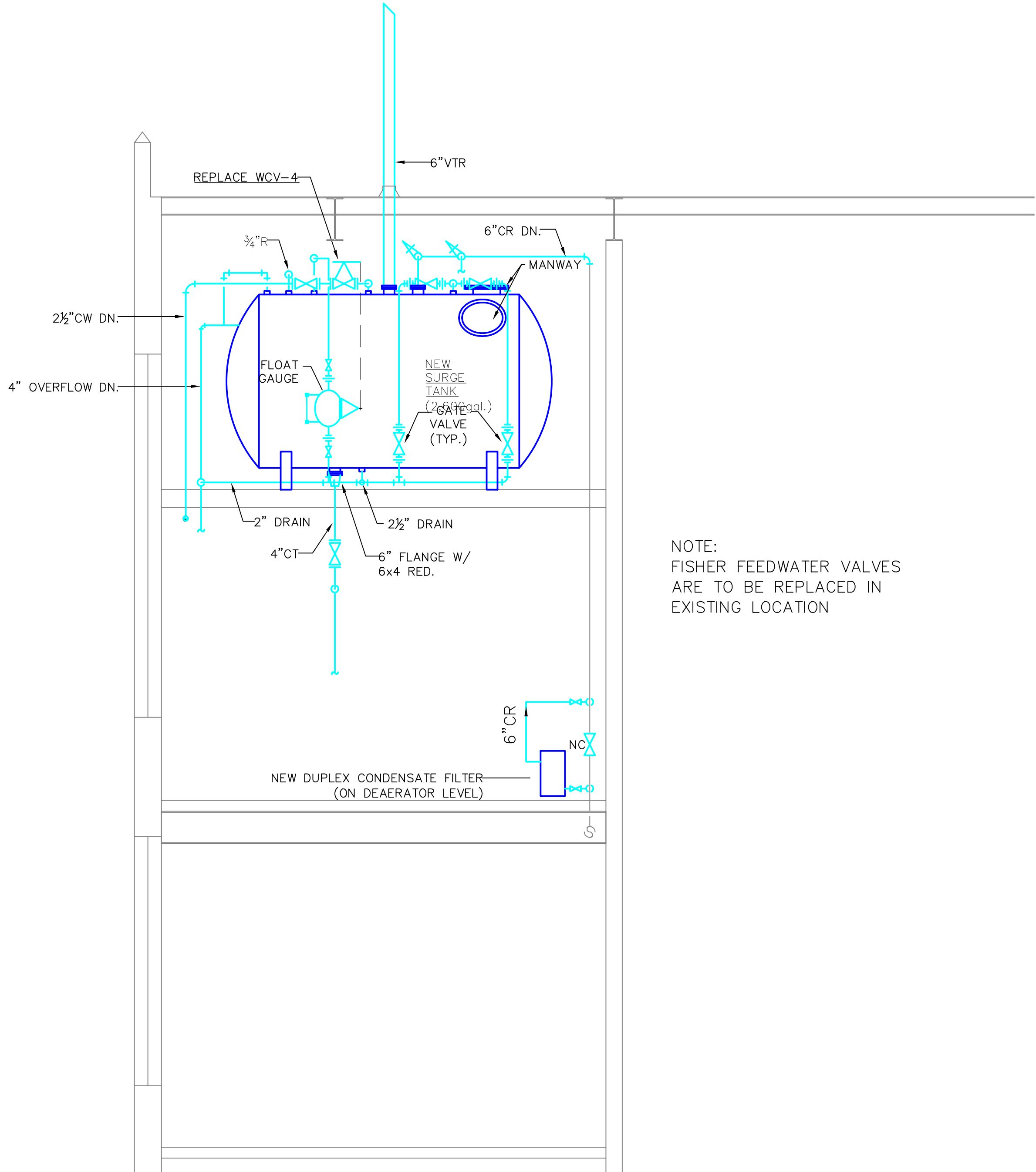
REWORKED BOILER CONTROL PANEL -
ELEVATION
NO SCALE

THE CONTROL PANEL WILL BE REUSED AND CONTRACTOR WILL PROVIDE THE COVERS FOR REPLACING THE OLD EQUIPMENT WITH NEW. CONTRACTOR WILL SUPPLY THE FOLLOWING FOR THE FRONT OF THE PANEL:

- COVERS FOR THE RECORDERS NOT BEING USED
 - PANEL PLATES WITH CUTOUTS FOR THE NEW RECORDERS (3) PAPERLESS
 - TYPE
 - PANEL PLATES AND CUTOUTS ARE REQUIRED
- REPLACING THE CURRENT HAYES CCP WITH THE NEW CONTROLLERS, AND AUXILLARY MANUAL STATIONS

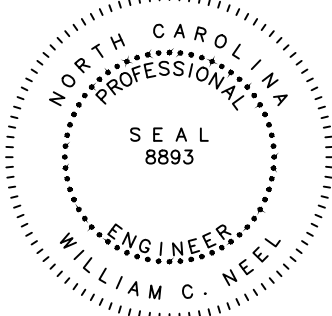
THE UPDATES FOR THE EXISTING PANEL WILL NOT APPRECIABLY CHANGE THE CURRENT LAYOUT. HOWEVER, THE APPEARANCE WILL HAVE COLOR GRAPHICS FOR THE RECORDERS AND HIGHLY VISIBLE FRONT PANELS FOR THE CONTROLLERS.

SHOP DRAWINGS WILL BE SUBMITTED FOR REVIEW AND APPROVAL.



SECTION
SCALE: 1/4"=1'-0"

ISSUED FOR AS BUILTS	04-11-05
Revision	Date



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RECOMMEND APPROVAL				Drawing Title	Project Title	Date
REQUESTOR	Date	CHIEF OF STAFF	Date	SCHEMATICS / SECTIONS	BOILER UPGRADE	01-06-03
CHIEF OF SERVICE	Date	ASST. DIR. FOR OPERATIONS	Date	BOILER UPGRADE BUILDING # 18	VETERANS' AFFAIRS MEDICAL CENTER SALISBURY, NORTH CAROLINA	Project No. 659-03-101
APPROVAL BY:				Approved: Safety Manager/M&O Supervisor	Building Number 18	Checked WCN
MEDICAL CENTER DIRECTOR				Approved: Chief Facilities Management Service Line	Location Dept. of Veterans Affairs 1501 Brenner Ave. Salisbury NC 28144	Drawn LSH
						DRAWING NO. H-7
						DWG. 9 OF 14

