

**Brookhaven National Laboratory  
Plant Engineering - E&CS Division  
Engineering Change Notice Form**

**PROJECT:** CCWF II

**JOB No.** 11705

**ECN Title:** IPS Piping Class

**ECN No.** 65

Affected Documents: 15710, MP-100, MP-304, and MH-500 (attached-previously revised by ECN 20).

Requested Change (Attach sketch if applicable): Change 2 1/2" and over IPS valves and strainers to piping Class 150 to meet BNL standard specification requirements.

Requested by: E. Murphy

Date: 12/2/10

Resolution: See attached drawing with strainer and valve specifications.

Approvals: A/E or Proj. Eng.: C. Channing

Date: 12/2/10

Project Coordinator: A. Raphael

Date: 12/2/10

Manager:

Date:

Contractor shall take the following action:

Await change order from P&PM

Proceed with change as described

Provide cost proposal for change as described

Distribution: E. W. Howell

Giffels

PPM

E&U

MPO

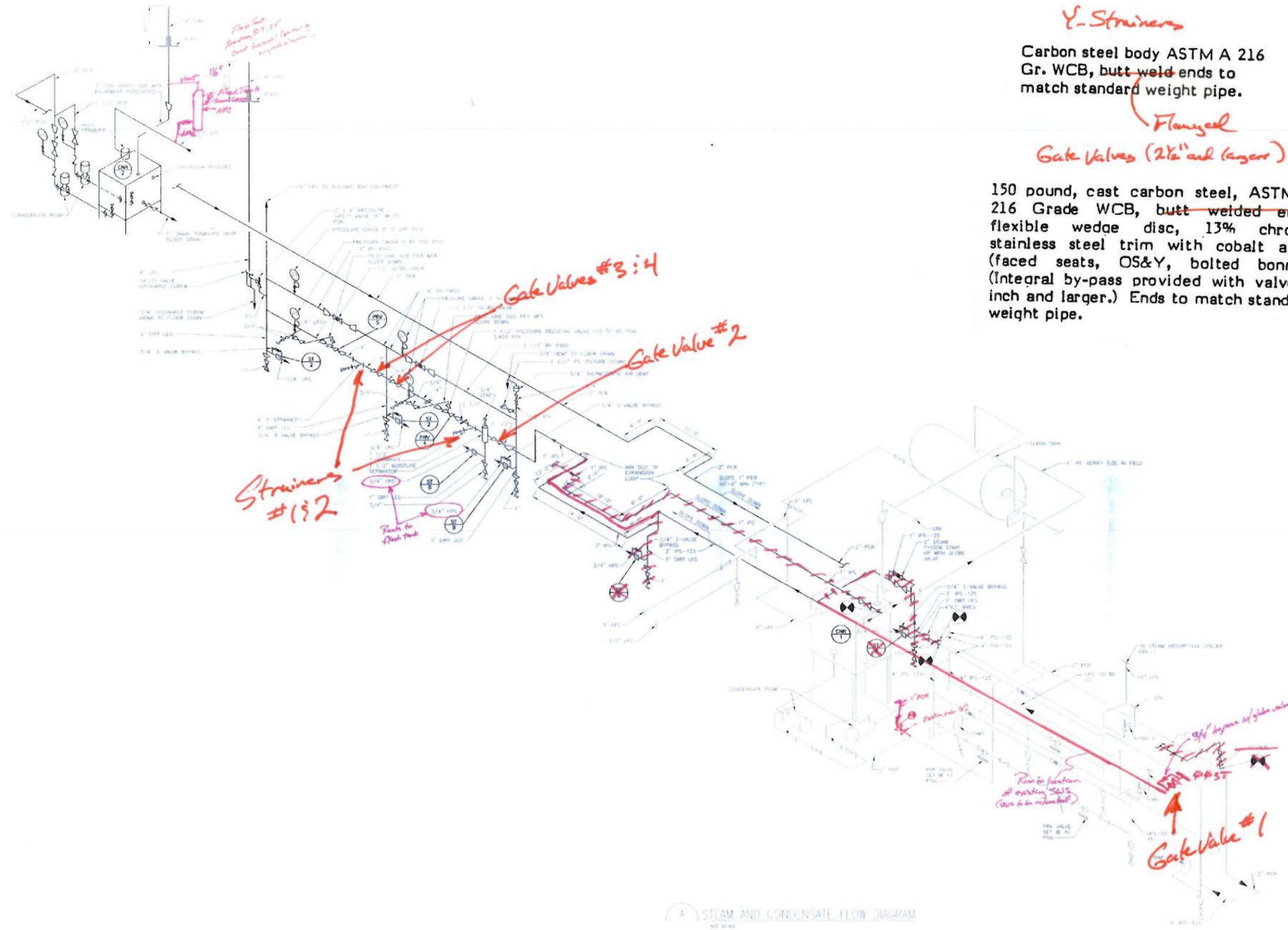
O&M

DOE

NSLS II

ECN File

12-07-2007	DESIGN REVIEW SUBMITTAL	C
03-28-2008	DESIGN REVIEW SUBMITTAL	D
07-11-2008	DESIGN REVIEW SUBMITTAL	E
08-25-2008	DESIGN REVIEW SUBMITTAL	F
02-19-2009	CONSTRUCTION DOCUMENT	D



*Y-Strainers*  
 Carbon steel body ASTM A 216  
 Gr. WCB, butt-weld ends to  
 match standard weight pipe.

*Flanged*  
 Gate Valves (2 1/2" and larger)

*Flanged*  
 150 pound, cast carbon steel, ASTM A  
 216 Grade WCB, butt-welded ends,  
 flexible wedge disc, 13% chrome  
 stainless steel trim with cobalt alloy  
 (faced seats, OS&Y, bolted bonnet.  
 (Integral by-pass provided with valve 6  
 inch and larger.) Ends to match standard  
 weight pipe.

A STEAM AND CONDENSATE FLOW DIAGRAM  
 NO SCALE

This drawing has been prepared solely for the use of Brookhaven National Laboratory and shall not be reproduced or used for any other purpose without the express written consent of Brookhaven National Laboratory.

This drawing shall not be used for construction purposes until the seal and signature of the responsible registered engineer or architect and proper permit forms and related fees are completed by the Contractor. Brookhaven National Laboratory shall not be responsible for any errors or omissions in this drawing.

**BROOKHAVEN NATIONAL LABORATORY**

UNDER CONTRACT WITH  
**UNITED STATES DEPARTMENT OF ENERGY**  
 PLANT 7 ENERGY RESEARCH DIVISION  
 UPTON, NEW YORK 11973

NO. 1001	NO. 1002	NO. 1003	NO. 1004	NO. 1005
NO. 1006	NO. 1007	NO. 1008	NO. 1009	NO. 1010

CENTRAL CHILLED WATER FACILITY PHASE I  
 STEAM AND CONDENSATE FLOW DIAGRAM

DATE	BY	CHKD BY	APP'D BY
NOV 18 2008	W. HARRISON	W. HARRISON	W. HARRISON

Scale: 1" = 60'

Giffels Partnership  
 2000 Telegraph Road, Suite 200  
 Easton, New York 12125  
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 Fax: 518-885-8171

Approved By: W. Harrison  
 Project Manager: W. Harrison  
 Project Engineer: W. Harrison  
 Project No.: 08000000