



P-309A P-309B

COOLING WATER SUPPLY (CYCLO-STR) COOLING WATER RETURN (CYCLO-STR) 40 HP STEAM (ATOMIZING STEAM) 40 HP STEAM (INTERMEDIATE PRESS.) 40 HP STEAM	150 DESUPERHEATED STEAM POTABLE WATER PLANT AIR INSTRUMENT AIR	STEAM CONDENSATE TREATED WATER FUEL OIL (HOPKIN) FUEL GAS (INTERNAL GAS) CLEAN WATER SEWER	OILY OR DIRTY WATER SEWER INDUSTRIAL WASTES SANITARY SEWER FIRE WATER FLUSHING OIL	PUMP/OUT PURGE GAS (NITROGEN) BLOWDOWN TO ATMOSPHERE	GAS START-UP GAS PIPELINE GAS (NAT. GAS) ROILERFEED WATER	PROCESS CONDENSATE 200 WATER FUEL GAS (STRENGTH) SOAK WATER PRESSURIZATION AIR	150 STEAM CONDENSATE	1. CONTROL VALVE TO HAVE STOP FOR WINTERIZING MINIMUM FLOW. 2. EACH PUMP TO HAVE 3 POSITION LOCAL PUMP START/STOP SWITCH; AUTO-OFF-MANUAL. 3. GLYCOL FILL COHN. 4. FOR GENERAL NOTES, ETC., SEE F.S. N° 1	
ITEM NO. P-309A P-309B SERVICE COOLING WATER PUMP SPARE P-309A SIZE 1.15 1.15 DES. PRESS. 325 325 OVER. PRESS. 53 53 SURFACE 76 96 MATERIAL C.S. C.S. INSULATION NI NI	ITEM NO. TK-310 SERVICE COOLING WATER TANK SIZE DIA. & HT 9'-0" x 8'-0" DES. PRESS. ATM. 120°F OVER. PRESS. ATM. 120°F MATERIAL C.S. INSULATION NI	ITEM NO. P-309A SERVICE PUMP SIZE 3'-0" x 3'-0" DES. PRESS. 325 OVER. PRESS. 53 MATERIAL C.S. INSULATION NI	ITEM NO. P-309B SERVICE PUMP SIZE 3'-0" x 3'-0" DES. PRESS. 325 OVER. PRESS. 53 MATERIAL C.S. INSULATION NI	ITEM NO. P-309A SERVICE PUMP SIZE 3'-0" x 3'-0" DES. PRESS. 325 OVER. PRESS. 53 MATERIAL C.S. INSULATION NI	ITEM NO. P-309B SERVICE PUMP SIZE 3'-0" x 3'-0" DES. PRESS. 325 OVER. PRESS. 53 MATERIAL C.S. INSULATION NI	ITEM NO. P-309A SERVICE PUMP SIZE 3'-0" x 3'-0" DES. PRESS. 325 OVER. PRESS. 53 MATERIAL C.S. INSULATION NI	ITEM NO. P-309B SERVICE PUMP SIZE 3'-0" x 3'-0" DES. PRESS. 325 OVER. PRESS. 53 MATERIAL C.S. INSULATION NI	ITEM NO. P-309A SERVICE PUMP SIZE 3'-0" x 3'-0" DES. PRESS. 325 OVER. PRESS. 53 MATERIAL C.S. INSULATION NI	ITEM NO. P-309B SERVICE PUMP SIZE 3'-0" x 3'-0" DES. PRESS. 325 OVER. PRESS. 53 MATERIAL C.S. INSULATION NI
REVISIONS J 1/2/78 N.D.B. R.K.C. J.R. R.R. T.H. FIELD CHANGES 10-31-79 AS-BUILT G 3-16-79 FINAL F OR MAH. ISSUE 7/20/78 E 12-28-77 RELEASED FOR ERECTION D 7/22/77 GENERAL REVISION C 6/30/77 FOR CLIENT APPROVAL B 5/19/77 FOR CLIENT COMMENTS A 1/18/77 ISSUED FOR DEFINITIVE ESTIMATE ONLY	PHILADELPHIA GAS WORKS ENGINEERING DEPT. PHILADELPHIA, PA. W.D. P-309A APPROVED 2-A-186 ITEM NOS. THIS DWG. P-309A P-309B	This Drawing is the Property of the FOSTER WHEELER CORPORATION 110 SOUTH ORANGE AVENUE, LIVINGSTON, N.J. AND IS LOANED WITHOUT COMPENSATION OTHER THAN THE FEE FOR THE ENGINEER'S SERVICE TO THE CLIENT. IT IS NOT TO BE REPRODUCED, COPIED, REAR, OR DISPOSED OF DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SPECIFICALLY PREPARED WITHOUT THE WRITTEN CONSENT OF FOSTER WHEELER CORPORATION.	ENGINEERING FLOW DIAGRAM SECTION 300 - SUFFRUT FACILITIES COOLING WATER 60MM SCFD SNG PLANT PHILADELPHIA GAS WORKS PENNSYLVANIA						

PHILADELPHIA GAS WORKS
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 ENGINEERING FLOW DIAGRAM
 SECTION 300 - SUFFRUT FACILITIES
 COOLING WATER
 60MM SCFD SNG PLANT
 PHILADELPHIA GAS WORKS
 PENNSYLVANIA
 EST. NO. 15-1775
 CONTRACT NUMBER 15-1775
 DWG. NO. 1779-I-50-22