



PHILADELPHIA GAS WORKS																					
ENGINEERING DEPT.						PHILADELPHIA, PA.															
W.D.						P.G.W. DWG. NO.															
APPROVED						12-A-190															
LEGEND	COOLING WATER SUPPLY (GLYCOL-WTR)	150 RESUPERHEATED STEAM	STEAM CONDENSATE	OILY OR DIRTY WATER SEWER	PUMP/OUT	CRD START-UP GAS	PROCESS CONDENSATE	RAIN WATER	FLUE GAS (STRETFORD)	SOUR WATER	PRESSURIZATION AIR	1- 3'-0" TEE FROM 1 1/2" SCH. 40 PIPE WITH 3 ENDS CAPED. LOCATED 4" ABOVE BOTTOM OF SUMP. TIE TO HAVE 1/4" DIA. HOLES ON BOTH HORIZONTAL SIDES OF PIPES 6" APART.	2- 500 GAL. YOSEP 6'-0" DEEP WITH 1/2" SLOPED SIDES. BASIN LINED WITH OIL RESISTANT PVC HERCULETITE 1/2" LIA-210 0'30" THICK.	3- PUMPS TO HAVE DETECTOR SWITCH AND COFF-ASYS SIGNALS.	6- FOR GENERAL HOLES, ETC. SEE F.S.-1						
ITEM NO.	P-316	P-317A	P-317B	P-318	P-319	TK-309	A-307	A-308	A-309	A-310	A-311	ITEM NOS. THIS DWG.	TK-309	P-316	P-317A/B	S-301	A-307	A-308			
SERVICE	SEPARATOR SLOP OIL PUMP	SLOP OIL PUMP	SEPARATOR CHARGE PUMP	SEPARATOR CHARGE PUMP	SEPARATOR CHARGE PUMP	SLOP OIL TANK	FOAM SYSTEM PACKAGE	INERT GAS GENERATOR	INERT GAS GENERATOR	INERT GAS GENERATOR	INERT GAS GENERATOR	ITEM NOS. THIS DWG.	TK-309	P-316	P-317A/B	S-301	A-307	A-308			
DES. AT P.T.	0.8	0.8	0.8	0.8	0.8	12'-0" X 12'-0"	12'-0" X 12'-0"	12'-0" X 12'-0"	12'-0" X 12'-0"	12'-0" X 12'-0"	12'-0" X 12'-0"	ITEM NOS. THIS DWG.	TK-309	P-316	P-317A/B	S-301	A-307	A-308			
DES. PRES. TEMP.	ATM/AMB	ATM/AMB	ATM/AMB	ATM/AMB	ATM/AMB	ATM/150°F	ATM/150°F	ATM/150°F	ATM/150°F	ATM/150°F	ATM/150°F	ITEM NOS. THIS DWG.	TK-309	P-316	P-317A/B	S-301	A-307	A-308			
DES. PRES. TEMP.	ATM/AMB	ATM/AMB	ATM/AMB	ATM/AMB	ATM/AMB	ATM/150°F	ATM/150°F	ATM/150°F	ATM/150°F	ATM/150°F	ATM/150°F	ITEM NOS. THIS DWG.	TK-309	P-316	P-317A/B	S-301	A-307	A-308			
MATERIAL	CS/FRP	CS/FRP	CS/FRP	CS/FRP	CS/FRP	CS	CS	CS	CS	CS	CS	ITEM NOS. THIS DWG.	TK-309	P-316	P-317A/B	S-301	A-307	A-308			
INSULATION	YES(V)	YES(V)	YES(V)	YES(V)	YES(V)	NI	NI	NI	NI	NI	NI	ITEM NOS. THIS DWG.	TK-309	P-316	P-317A/B	S-301	A-307	A-308			
REVISIONS	G OR MAN. ISSUE	7/20/78	F	6-14-78	RELEASED FOR ERECTION	E	1-10-78	FINAL ISSUE EXCEPT FOR A-308	HHS	D	11-28-77	CUSTOMER 4 OTHER COMMENTS ADDED	C	9-28-77	REDRAWN SURGE BASIN ADDED.	B	5-27-77	FOR CLIENT COMMENTS	A	1-15-77	ISSUED ONLY FOR DEFINITIVE ESTIMATE

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W.D. P.G.W. DWG. NO. 12-A-190
APPROVED

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ENGINEERING FLOW DIAGRAM SECTION 300-SUPPORT FACILITIES WASTE HANDLING & FOAM SYSTEM 60MM SCFD SNG PLANT PHILADELPHIA GAS WORKS PENNSYLVANIA
CONTRACT NO. 15-1779 DRAWING NO. 1779-1-50-26 I