



LEGEND		ITEM NO.		SERVICE		MATERIAL		INSULATION		REVISIONS															
1	COOLING WATER SUPPLY (GLYCOL-WTR)	15	158	REPERFORATED STEAM	16	STEAM CONDENSATE	17	ONLY OR DIRTY WATER SEWER	18	PUMP/OUT	19	CRY START-UP GAS	20	PIPELINE GAS (HAT. GAS)	21	PROCESS CONDENSATE	22	158 STEAM CONDENSATE	23	INLET CHANNELS OF E-201 & E-202 SHALL NOT BE INSULATED. THEY ARE REFRACTORY LINED EXPANDED METAL SCREEN SHALL BE PROVIDED WHERE REQUIRED FOR PIPE SONNET PROTECTION.	24	FOR GENERAL NOTES, ETC., SEE F.S. N° 1	25	CONTINUED ON F.S. N° 16	
2	COOLING WATER RETURN (GLYCOL-WTR)	15	159	POTABLE WATER	16	TREATED WATER	17	CHIMNEY WATERS	18	PURGE GAS (HITRBD)	19	PILOT GAS	20	BOILER FEED WATER	21	RAW WATER	22	FUEL GAS (STRETFOUR)	23	BOILER WATER	24	REFRACTORY LINED EXPANDED METAL SCREEN SHALL BE PROVIDED WHERE REQUIRED FOR PIPE SONNET PROTECTION.	25	CONTINUED ON F.S. N° 16	
3	450# H.P. STEAM	15	160	PLANT AIR	16	FUEL GAS (NATURAL GAS)	17	FIRE WATER	18	FLARE	19	TO ATMOSPHERE	20	TO ATMOSPHERE	21	STEAM CONDENSATE	22	STEAM CONDENSATE	23	STEAM CONDENSATE	24	STEAM CONDENSATE	25	STEAM CONDENSATE	
4	150# ATOMIZING STEAM	15	161	INSTRUMENT AIR	16	CLEAN WATER SEWER	17	FRESH WATER	18	FLUSHING OIL	19	TO ATMOSPHERE	20	TO ATMOSPHERE	21	STEAM CONDENSATE	22	STEAM CONDENSATE	23	STEAM CONDENSATE	24	STEAM CONDENSATE	25	STEAM CONDENSATE	
5	50# L.P. STEAM	15	162		16		17		18		19		20												

PHILADELPHIA GAS WORKS
 ENGINEERING DEPT. PHILADELPHIA, PA.
 W.D. POW D.W.G. NO. 12-A-177
 APPROVED

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 110 SOUTH GRANITE AVENUE, LIVINGSTON, N.J.
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ENGINEERING: FLOW DIVISION
 SECOND & THIRD STAGE REACTION
 SECTION 200 CATALYTIC REACTOR GAS UNIT
 60 MM SFD SNG PLANT
 PHILADELPHIA GAS WORKS
 PHILADELPHIA PENNSYLVANIA

ITEM NOS. THIS DWG.
 F-205A
 F-205B
 R-206
 D-201
 E-201
 E-202
 E-204
 E-206
 E-207

EST. NO. 15-1779
 D.W.G. NO. 12-A-177