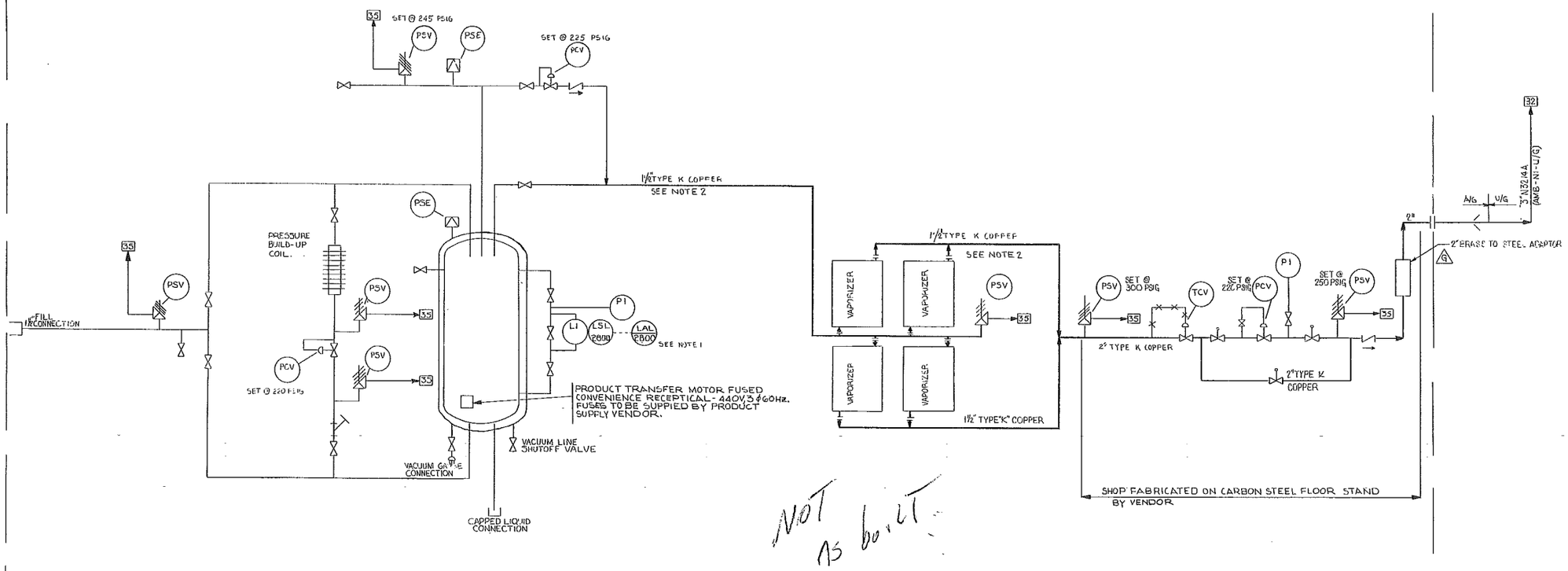

NOT AS BUILT

A-304

ALL EQUIPMENT AND PIPING WITHIN DASHED LINES IS BY THE NITROGEN PACKAGE VENDOR EXCEPT AS NOTED.

LEGEND																							
01	COOLING WATER SUPPLY	32	# EXHAUST STEAM	41	CONDENSATE	50	OILY OR DIRTY WATER SEWER	61	PUMPOUT	69	INERT GAS	77		85		93		101	
02	COOLING WATER RETURN	33	POTABLE WATER	42	TREATED WATER	51	PROCESS SEWER	62	PURGE GAS NITROGEN	70		78		86		94		102	
03	# H.P. STEAM	34	PLANT AIR	43	FUEL OIL	52	SANITARY SEWER	63	BLOWDOWN	71		79		87		95		103	
04	# STEAM (INTERMEDIATE PRESS.)	35	INSTRUMENT AIR	44	FUEL GAS	53	FIRE WATER	64	FLARE	72		80		88		96		104	
05	# L.P. STEAM	36	H.P. CONDENSATE	45	CLEAN WATER SEWER	54	FLUSHING OIL	65	TO ATMOSPHERE	73		81		89		97		105	

NOTES

1. INSTRUMENT NUMBER LAL-2800 TO BE SUPPLIED BY F.W.E.C.
2. A-304 VENDOR WILL SUPPLY TYPE "K" COPPER TUBING IN BULK, UNCUT 20' LENGTHS WITH BULK FITTINGS. TUBING TO BE FIELD RUN (BY SUBCONTRACTOR) AND SILVER BRAZED APPROX. 12" ABOVE GRADE.
3. FOR GENERAL NOTES, ETC., SEE F.S.#1

ITEM NO.	A-304
SERVICE	NITROGEN PACKAGE
SIZE SCFH	50,000
DES. PRESS-TEMP.	VESSEL 245 PSIG/AMB VAPORIZERS 500 PSIG/AMB
OPER. PRESS-TEMP.	210 PSIG/AMB
MATERIAL	AISI 304 C.S.
INSULATION	BTW WALLS

REVISIONS																	
G	11-7-79	AS-BUILT	F	3-16-79	FINAL	E	AUG. 22, 1978	RELEASED FOR ERECTION	EJT	D	OP MAN. ISSUE	7-20-78	C	7-17-78	AS PURCHASED REV.	EJT	B 5-19-77 FOR CLIENT COMMENTS A 1-13-77 ISSUED FOR DEFINITIVE ESTIMATE ONLY

ITEM NOS. THIS DWG.

A-304

PGW DWG NO.
12-A-192

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110 SOUTH ORANGE AVENUE, LIVINGSTON, N.J.
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ENGINEERING FLOW DIAGRAM
SECTION 300 - SUPPORT FACILITIES
NITROGEN STORAGE AND DELIVERY
60MM SCFD SNG PLANT
PHILADELPHIA GAS WORKS

PHILADELPHIA PENNSYLVANIA

EST. NO.		DRAWN BY: Roger	SH. 28 OF 41
CONTRACT NUMBER	15-1779	DWG. NO. -1779-1-50-28	G