



- FOR GENERAL NOTES, ETC. SEE F.S.#1
- 1. POSITION A HV=630 AIRB OPEN
  - 2. POSITION B HV=630 AIRB CLOSED, AIR TO HEAT EXCHANGER
  - 3. POSITION A HV=630 D. OPEN, TRIP TO 500 IN POSITION B
  - 4. POSITION B HV=630 C. CLOSED
  - 5. SPRAY NOZZLE MODEL SPRAYCO 18"GG14-W
1. SLOPE ALL HORIZONTAL RUNS IN THESE LIQUID OR SLURRY LINES TOWARDS TANKS USING A MINIMUM SLOPE BETWEEN ONE AND TWO PERCENT.
2. STEAM TRACING ON PLASTIC LINED PIPE SHALL BE INSTALLED WITH SPACERS TO PREVENT TRACERS FROM DIRECTLY CONTACTING PIPE. SEE DETAIL OF THIS FROM SHEET.
3. ALL LIQUID LINES SHALL BE SELF-DRAINING (NO POCKETS) TO PREVENT ANY ACCUMULATION OF SLURRY PARTICLES.
4. PIPE TEMPERATURES NOT TO EXCEED 100°C IN OPERATION TO PREVENT DAMAGE TO EPOXY VESSEL LININGS.
5. ALL INSTRUMENTS TO BE INSTALLED AND TESTED IN ACCORDANCE WITH THE FOLLOWING:
- | ITEM NO. | DESCRIPTION                       | ITEM NO. | DESCRIPTION  |
|----------|-----------------------------------|----------|--------------|
| 1        | COOLING WATER SUPPLY (ALYCAL-WTR) | 11       | STEAM TRACER |
| 2        | COOLING WATER RETURN (ALYCAL-WTR) | 12       | STEAM TRACER |
| 3        | PLANT AIR                         | 13       | STEAM TRACER |
| 4        | PLANT AIR                         | 14       | STEAM TRACER |
| 5        | PLANT AIR                         | 15       | STEAM TRACER |
| 6        | PLANT AIR                         | 16       | STEAM TRACER |
| 7        | PLANT AIR                         | 17       | STEAM TRACER |
| 8        | PLANT AIR                         | 18       | STEAM TRACER |
| 9        | PLANT AIR                         | 19       | STEAM TRACER |
| 10       | PLANT AIR                         | 20       | STEAM TRACER |

**PHILADELPHIA GAS WORKS**  
ENGINEERING DEPT. PHILADELPHIA, PA.

CONTRACT NO. 15-1779  
DRAWING NO. 1779-1-50-6

DATE: 12-28-77

BY: [Signature]

FOR: [Signature]

REVISIONS:

NO.	DESCRIPTION	DATE
1	REVISED TERMINATION OF P-151 (1-15-77)	1-15-77
2	FIELD CHANGES	9-10-79
3	FIELD CHANGES	9-10-79
4	FIELD CHANGES	9-10-79
5	FIELD CHANGES	9-10-79
6	FIELD CHANGES	9-10-79
7	FIELD CHANGES	9-10-79
8	FIELD CHANGES	9-10-79
9	FIELD CHANGES	9-10-79
10	FIELD CHANGES	9-10-79

ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
1	COOLING WATER SUPPLY (ALYCAL-WTR)	11	STEAM TRACER
2	COOLING WATER RETURN (ALYCAL-WTR)	12	STEAM TRACER
3	PLANT AIR	13	STEAM TRACER
4	PLANT AIR	14	STEAM TRACER
5	PLANT AIR	15	STEAM TRACER
6	PLANT AIR	16	STEAM TRACER
7	PLANT AIR	17	STEAM TRACER
8	PLANT AIR	18	STEAM TRACER
9	PLANT AIR	19	STEAM TRACER
10	PLANT AIR	20	STEAM TRACER