



**C-301A/B
AIR COMPRESSOR PACKAGE NOTES**

- 1- ALL EQUIPMENT & PIPING WITHIN DASHED LINES IS, EXCEPT AS NOTED, BY PACKAGE VENDOR. SEE NOTE 2.
- 2- STEAM TRACING BY FWEC.
- 3- ALL CONDENSATE DRAINS TO BE MANIFOLDED BY VENDOR. FWEC TO PIPE TO [26]. THIS PIPING TO BE STEAM TRACED BY FWEC.
- 4- ALL COND. DRAINERS ON THIS FLOW SHEET ARE FLOAT TYPE AND MUST BE STEAM TRACED.
- 5- ALL ELECTRICAL WIRING EXCEPT AIR DRIVER CONTROLS TO BE BY FWEC; POWER CONNECTS TO DRIVER BY FWEC.
- 6- CONTROL PANEL MOUNTED 480V-120V CONTROL TRANSFORMER BY PACKAGE VENDOR.
- 7- LOCATE IN M.C.C. AUX. PANEL. POWER FROM MOTOR CONTROL TRANSFORMER.
- 8- FILTER-SILENCER TO BE ELEVATED FOR REDUCED DIRT LOADING BUT MADE ACCESSIBLE FOR MAINTENANCE.
- 9- ALL EQUIPMENT OUTSIDE OF DASHED LINES AND DENOTED AS (V) IS BY PACKAGE VENDOR. ALL EQUIPMENT INSIDE OF DASHED LINES AND DENOTED AS (FWEC) IS BY FOSTER WHEELER.

PHILADELPHIA GAS WORKS
ENGINEERING DEPT. PHILADELPHIA, PA.

W.O. PDW DWG. NO. **12-A-189**

APPROVED

ITEM NOS. THIS DWG. **C-301A/B E-305**

FOSTER WHEELER ENERGY CORPORATION
110 SOUTH ORANGE AVENUE, LIVINGSTON, N.J.

ENGINEERING FLOW DIAGRAM
SECTION 300 SUPPORT FACILITIES
PLANT AND INSTRUMENT AIR
60 MM SCFD SNG. PLANT
PHILADELPHIA GAS WORKS
PENNSYLVANIA

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|-----------------------------------|--------------------|------------------------|---------------------------|----------------------|-------------------------|----------------------|----------------------|
| COOLING WATER SUPPLY (E/COL-WTR) | 15 # EXHAUST STEAM | STEAM CONDENSATE | OILY OR DIRTY WATER SEWER | PUMP/OUT | CRG START-UP GAS | PROCESS CONDENSATE | 15# STEAM CONDENSATE |
| COOLING WATER RETURN (E/COL-WTR) | POTABLE WATER | TREATED WATER | CHEMICAL WASTES | PURGE GAS (NITROGEN) | PIPELINE GAS (NAT. GAS) | RAW WATER | |
| 150 # H.P. STEAM | PLANT AIR | FUEL OIL (MARITIME) | SANITARY SEWER | BLOWDOWN | INERT GAS (CO2) | FUEL GAS (STRETFOED) | |
| 100 # STEAM (INTERMEDIATE PRESS.) | INSTRUMENT AIR | FUEL GAS (NATURAL GAS) | FIRE WATER | FLARE | SOUR GAS | SOUR GAS | |
| 50 # L.P. STEAM | | CLEAN WATER SEWER | FLUSHING OIL | TO ATMOSPHERE | BOILER FEED WATER | PRESSURIZATION AIR | |

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| ITEM NO. | C-301A | C-301B | ITEM NO. | E-305 |
| SERVICE | INSTRUMENT AIR COMP. | SPARE FOR C-301A | SERVICE | AIR COMP. COOLER |
| DES. AT P.T. | | | SIZE | 75 PSIG/250F |
| DES. O.P.A.L. AT P.T. | | | TRK DES. P. & T. | 125 PSIG/250F |
| DES. DIF. P.S.L. | | | SURFACE | 270 FT |
| MAX. DIFCH. P.S.I.G. | | | MATL. SHELL | C.S. |
| MATERIAL | | | MATL. TUBE | C.S. |
| INSULATION | | | INSULATION | NI |

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| REVISIONS | | | | |
| 1 | 11-2-79 | AS-BUILT | F | 3-16-79 FINAL |
| 2 | | | E | 7-20-78 OP. MAN. ISSUE |
| 3 | | | D | 12-28-77 RELEASED FOR ERECTION |
| 4 | | | C | 10-11-77 GENERAL REVISION |
| 5 | | | B | 5-31-77 FOR CLIENT COMMENTS |
| 6 | | | A | 13 JAN, 77 ISSUED FOR DEFINITIVE ESTIMATE ONLY |