



E-1701A
ARC / VACUUM RESID.
EXCHANGER

AES 45 X 240
5262 SQ. FT.
TUBES: SA-214 250 PSIG @ 650°F
SHELL: CS (SR) 250 PSIG @ 650°F
INSUL: 3" IH
(EXISTING E-701A)

E-1701B/C
ARC / VACUUM RESID.
EXCHANGERS

AES 38 X 240
2948 SQ. FT. EA.
TUBES: 5CR¹/₂Mo 300 PSIG @ 750°F
SHELL: CS 300 PSIG @ 650°F
INSUL: 3" IH
(EXISTING E-701B/C)

E-1701D
ARC / VACUUM RESID.
EXCHANGER

AES 35 X 240
2641 SQ. FT.
TUBES: SA-268 250 PSIG @ 650°F
SHELL: SA-387 250 PSIG @ 800°F
INSUL: 3" IH
(EXISTING E-701D)

P-1710A/B
VACUUM UNIT
FEED PUMPS

DESIGN CAPACITY: 731 GPM @ 149 PSI
CASING: C.S. INTERNALS CHROME
DRIVER: 'A' 125 HP, 'B' 150 HP
INSUL: 3" IST
(EXISTING P-710A/B)

PIPING & INSTRUMENT DIAGRAM
1994 VACUUM UNIT PROJECT
FEED PREHEAT

ENGR. APPL.	DATE	ENGINEER/SECT.CH. APPL.	DATE	SCALE	CONT.NO.	DWG.NO.	REV.
				NONE	5129.1700	17-D-0011	8