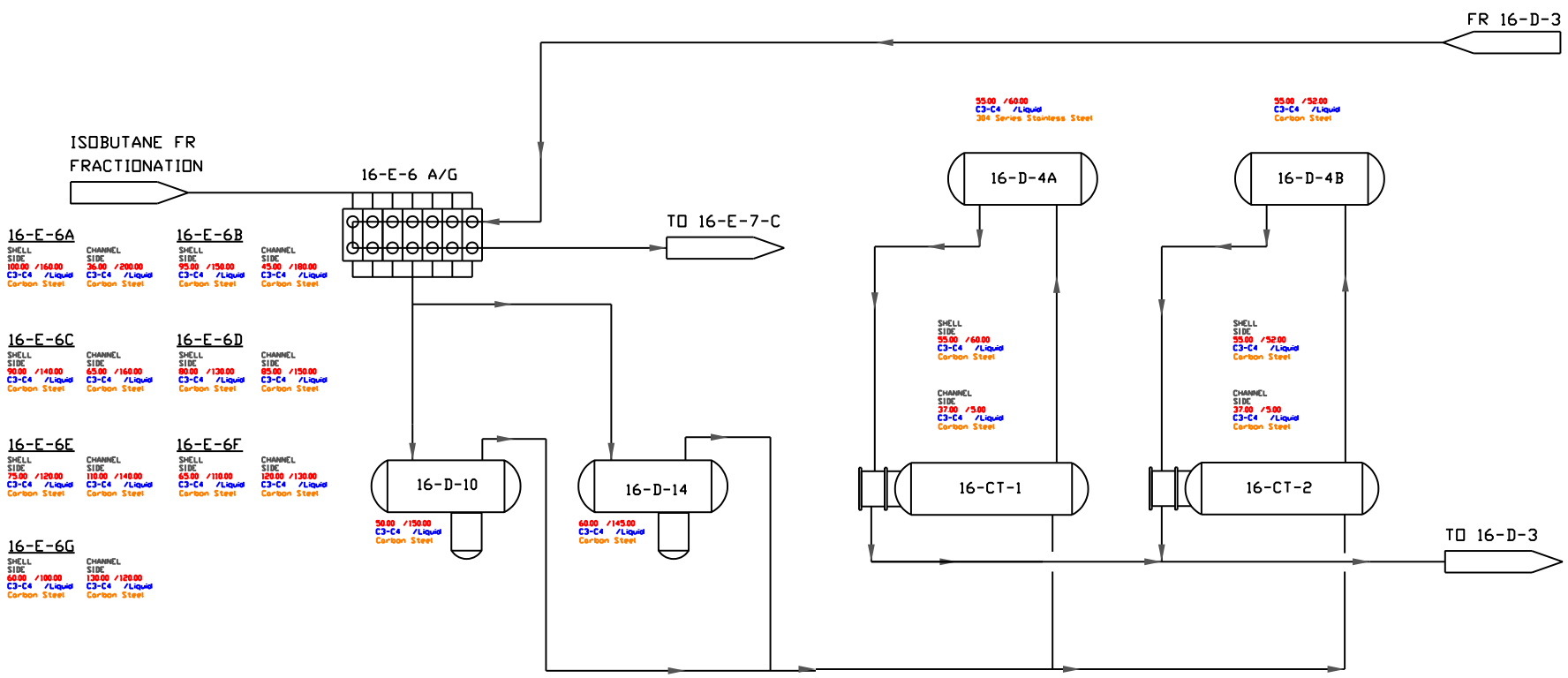


16-E-6 A/B/C/D/E/F/G DEISOBUTANIZER CHARGE EXCHANGER 16-D-10 COALESCER 16-D-14 HP 300 FILTER SEPARATOR 16-D-4A ACID SETTLER 16-D-4B ACID SETTLER 16-CT-1 ALKY CONTACTOR 16-CT-2 CONTACTOR



NOTES:
1. ALL MATERIALS OF CONSTRUCTION ARE CARBON STEEL UNLESS OTHERWISE NOTED.

LEGEND
OPER. TEMP./OPER. PRESS.
REPRESENTATIVE FLUID/FLUID STATE
MATERIAL OF CONSTRUCTION

NO.	DATE	BY	REVISIONS	CHK.	APP.	NO.	DATE	BY	REVISIONS	CHK.	APP.	NO.	DATE	BY	REVISIONS	CHK.	APP.	REFERENCE DWG.	DESCRIPTION



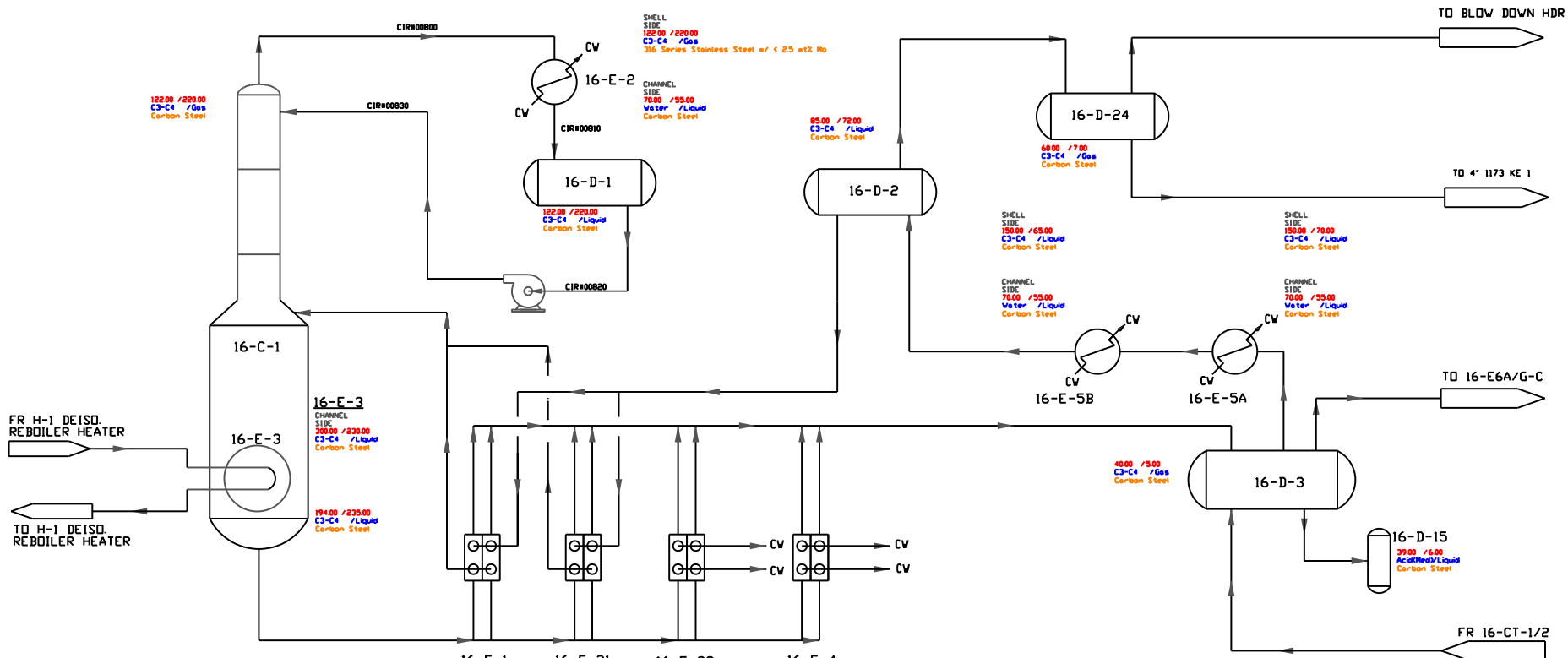
The Equity Engineering Group
HOUSTON DIV.
HOUSTON, TEXAS

PROJECT NO.	DATE	6/15/2002
SCALE	NONE	
DWG. NO.	PC-PFD-1601	
REV.	0	

PETRO-CANADA PHASE 2
UNIT #16 / ALKYLATION

16-C-1 16-E-3 16-D-1 16-E-1A/B 16-E-21A/B 16-E-22A/B 16-E-4A/B 16-D-2 16-D-3 16-D-15 16-E-5A 16-E-5B 16-D-24

DEPROPANIZER DEPROP. REBOILER DEPROPANIZER RECEIVER DEPROP. CHARGE EXCHANGER LEAN DEA COOLER DEPROP. BTMS COOLER DEPROP. BTMS COOLER REFRIGERANT RECEIVER REFRIG. FLASH SUCTION DRUM ACID POT REFRIG. CONDENSER REFRIG. CONDENSER SPENT CAUSTIC DEGASSING DRUM



Unit	Shell Side	Channel Side	Material
16-E-1A	132.00 / 220.00 C3-C4 / Liquid	186.00 / 72.00 C3-C4 / Liquid	Carbon Steel
16-E-1B	125.00 / 70.00 C3-C4 / Liquid	93.00 / 60.00 C3-C4 / Liquid	Carbon Steel
16-E-21A	160.00 / 170.00 C3-C4 / Liquid	70.00 / 55.00 C3-C4 / Liquid	Carbon Steel
16-E-21B	126.00 / 170.00 C3-C4 / Liquid	70.00 / 55.00 C3-C4 / Liquid	Carbon Steel
16-E-22A	122.00 / 220.00 C3-C4 / Liquid	115.00 / 220.00 Water / Liquid	Carbon Steel
16-E-22B	122.00 / 220.00 C3-C4 / Liquid	110.00 / 220.00 Water / Liquid	Carbon Steel
16-E-4A	70.00 / 55.00 C3-C4 / Liquid	127.00 / 214.00 C3-C4 / Gas	Carbon Steel
16-E-4B	70.00 / 55.00 C3-C4 / Liquid	127.00 / 214.00 C3-C4 / Gas	Carbon Steel

LEGEND
 OPER. TEMP./OPER. PRESS.
 REPRESENTATIVE FLUID/FLUID STATE
 MATERIAL OF CONSTRUCTION

NOTES:
 1. ALL MATERIALS OF CONSTRUCTION ARE CARBON STEEL UNLESS OTHERWISE NOTED.

NO.	DATE	BY	REVISIONS	CK.	APP.	NO.	DATE	BY	REVISIONS	CK.	APP.	NO.	DATE	BY	REVISIONS	CK.	APP.	REFERENCE DWG.	DESCRIPTION	GROUP	DATE	6/15/2002



The Equity Engineering Group
 HOUSTON, TEXAS
 PETRO-CANADA PHASE 2
 UNIT #16 / ALKYLATION
 PROJECT NO.
 PC-PFD-1602

