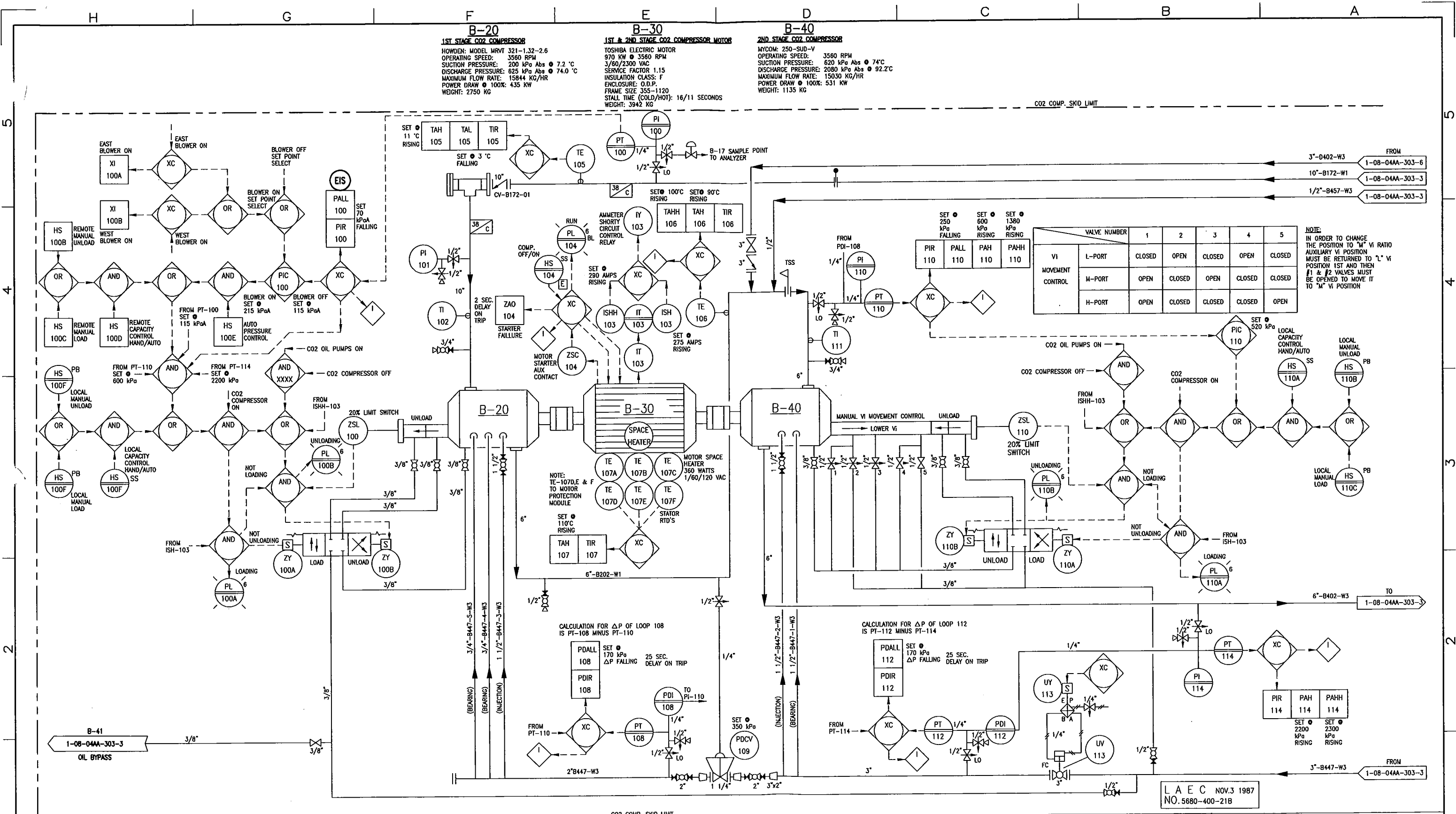
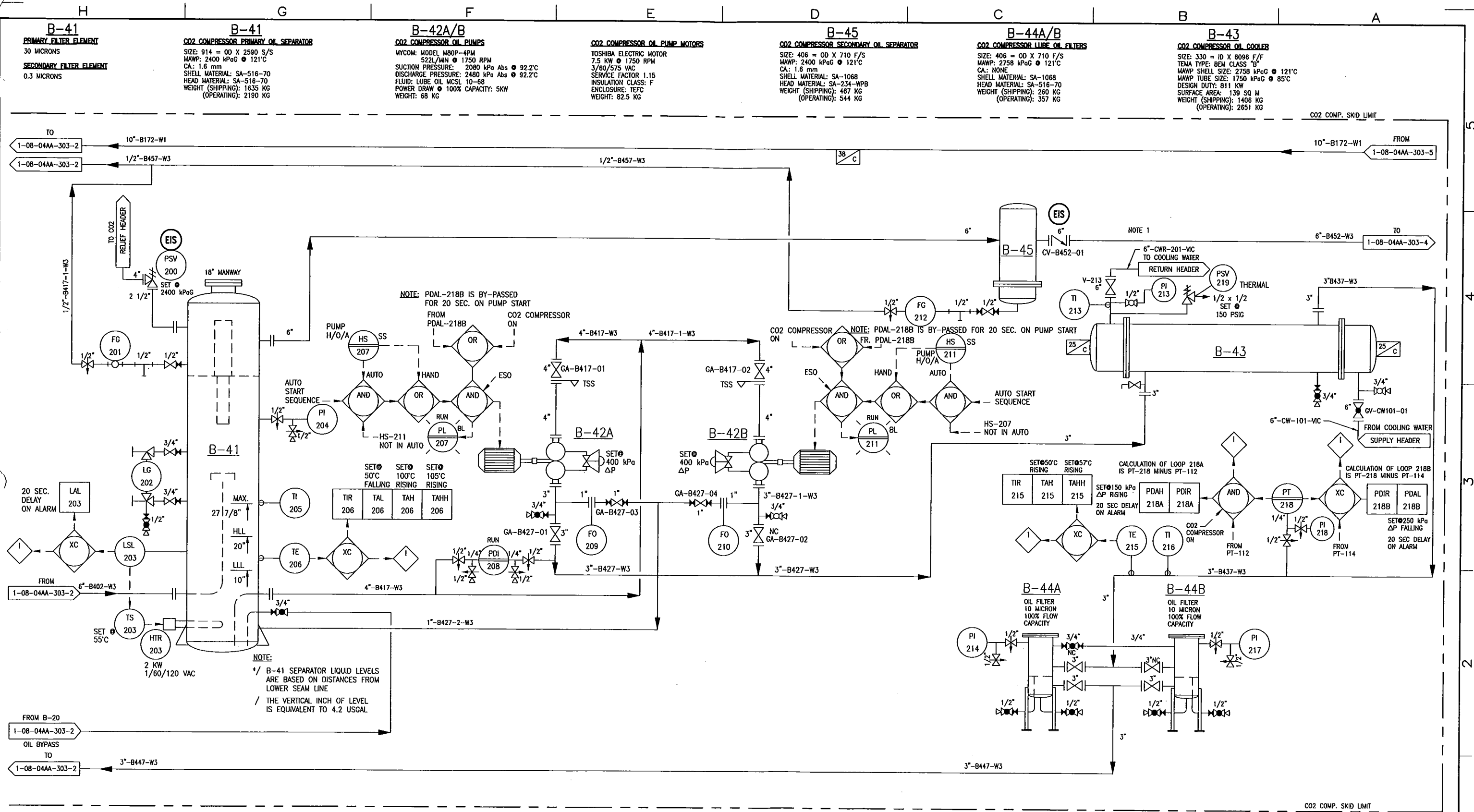






- NOTE:
- 1. LINE 6"-B452-W3 MUST BE REMOVABLE FOR FUTURE ADDITION.
 - 2. TOTAL CO2 COMPRESSION SYSTEM OIL CHANGE AT NORMAL OPERATING LEVEL IS 290 USGPM.

LAEC NOV.3 1987
NO. 5680-400-22B

DATE	REVISION	BY	VERIFIED	APPROVED
19/01/2012	01-BUILT, DWG FRAME REVISED	T. NGUYEN	A. DOUB	M.H. TISSIER
30/07/2013	02-AS-BUILT, VALVE & INFORMATION ADDED	M. GUTOWSKI	E. PILON	J. MAGNAN
31/08/2013	03-AS-BUILT, INFORMATION ADDED	M. GUTOWSKI	E. PILON	J. MAGNAN
31/14/05/2013	04-INSTALLATION ID CHANGED	T. PHAM	NONE	NONE

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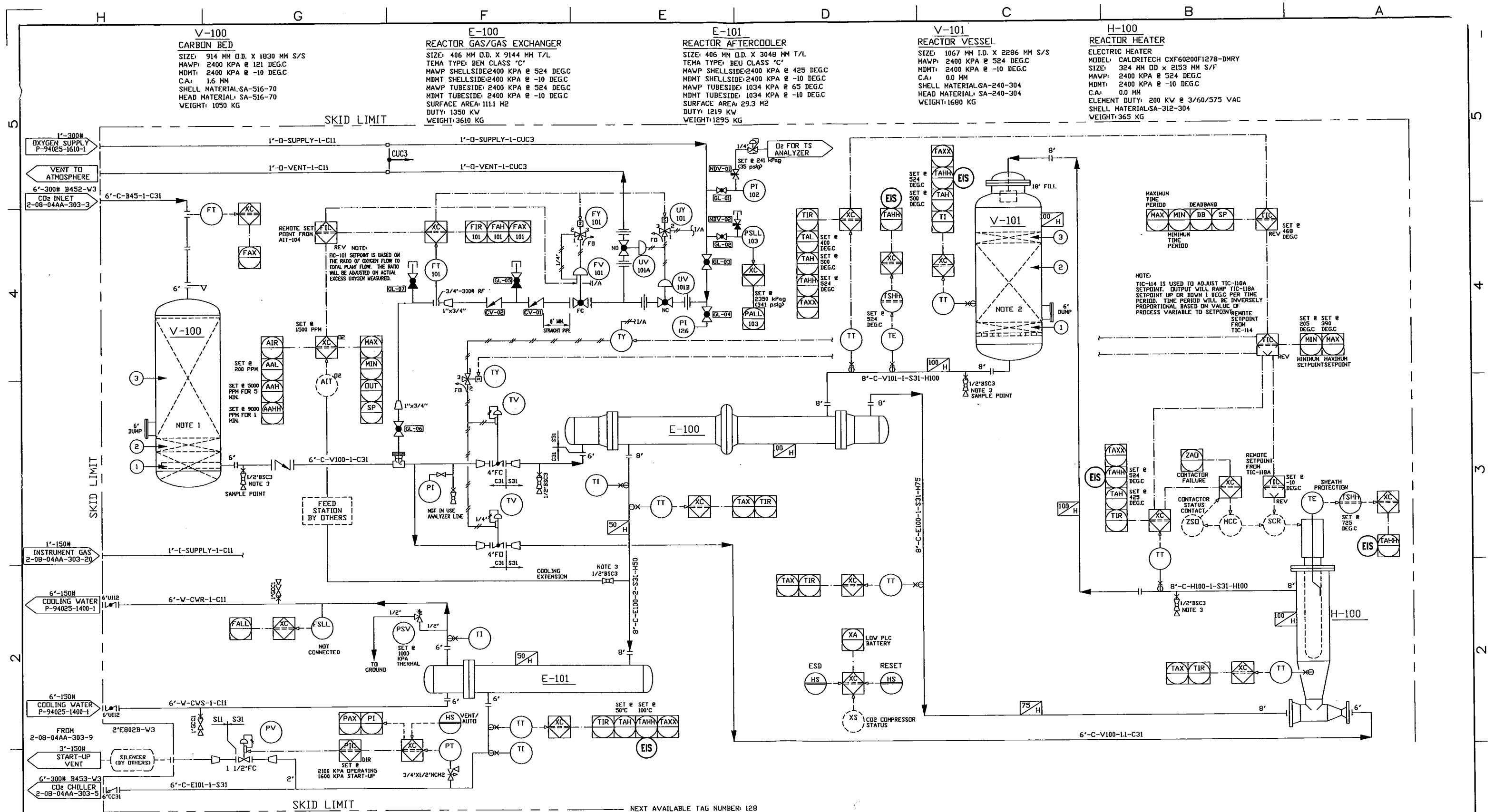
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COURTRIGHT CO2 PLANT
CO2 COMPRESSION
ENGINEERING FLOW SHEET

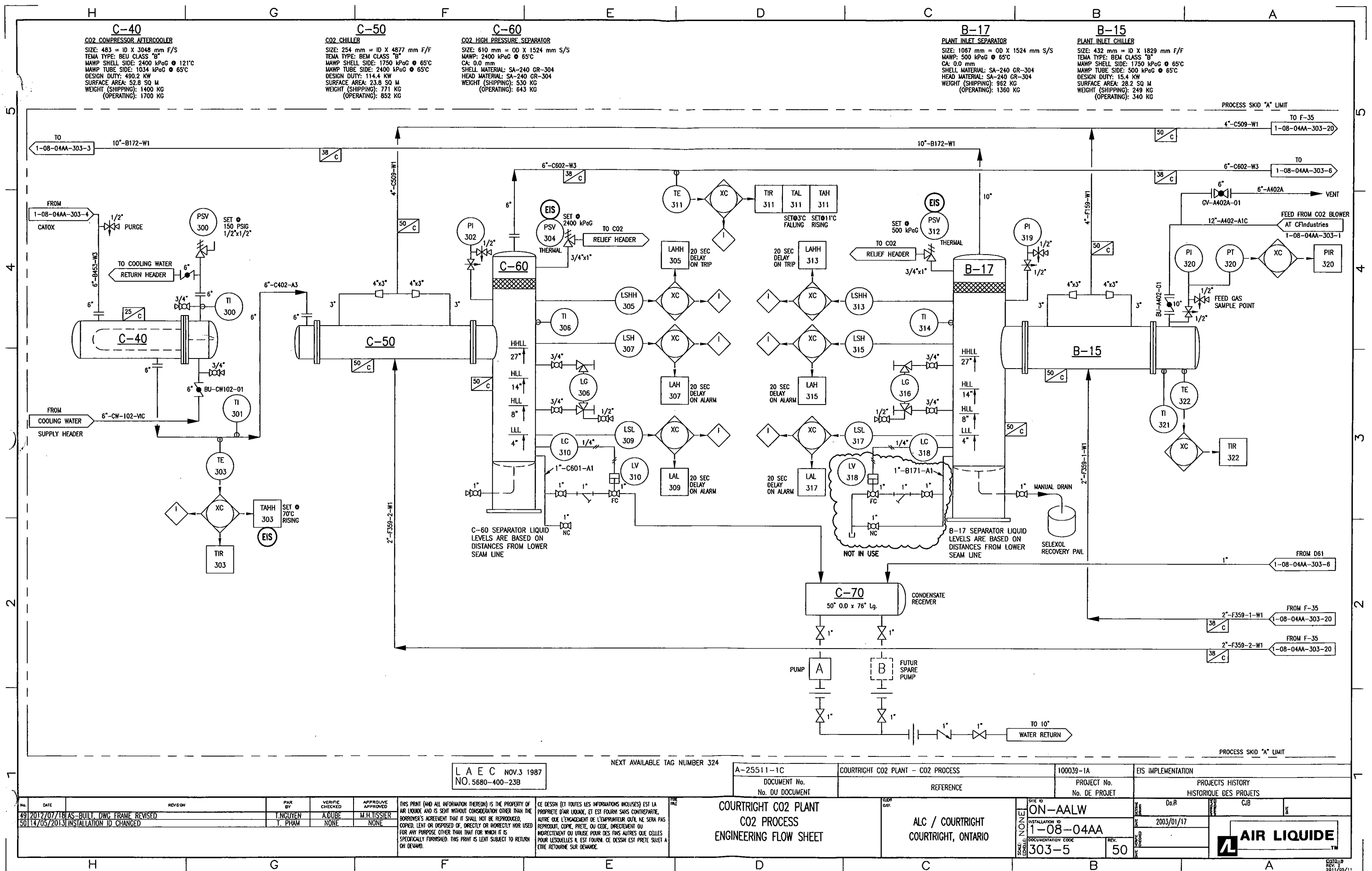
ALC / COURTRIGHT
COURTRIGHT, ONTARIO

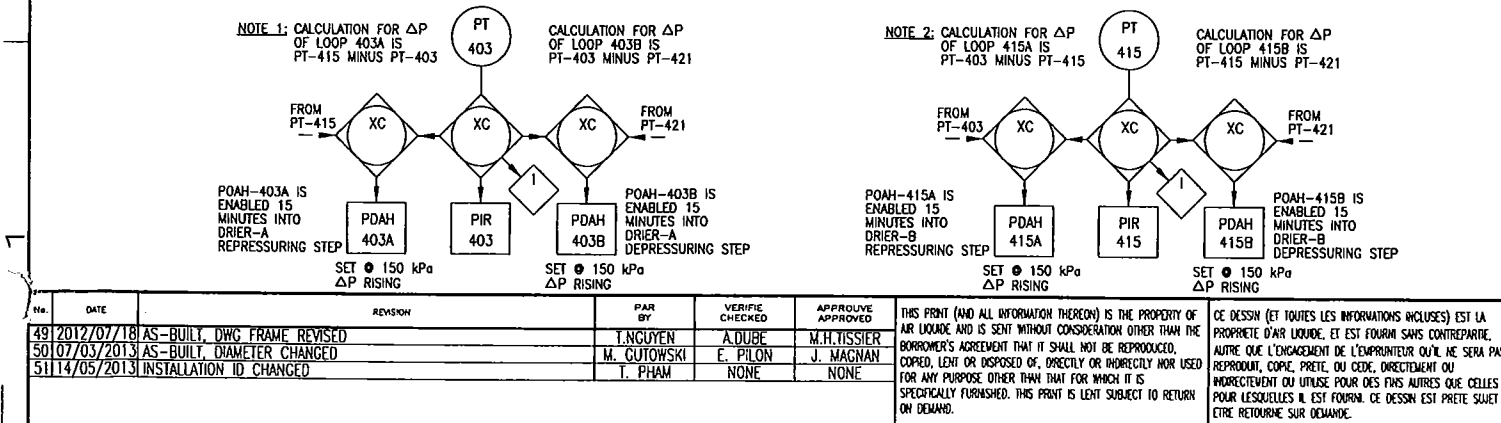
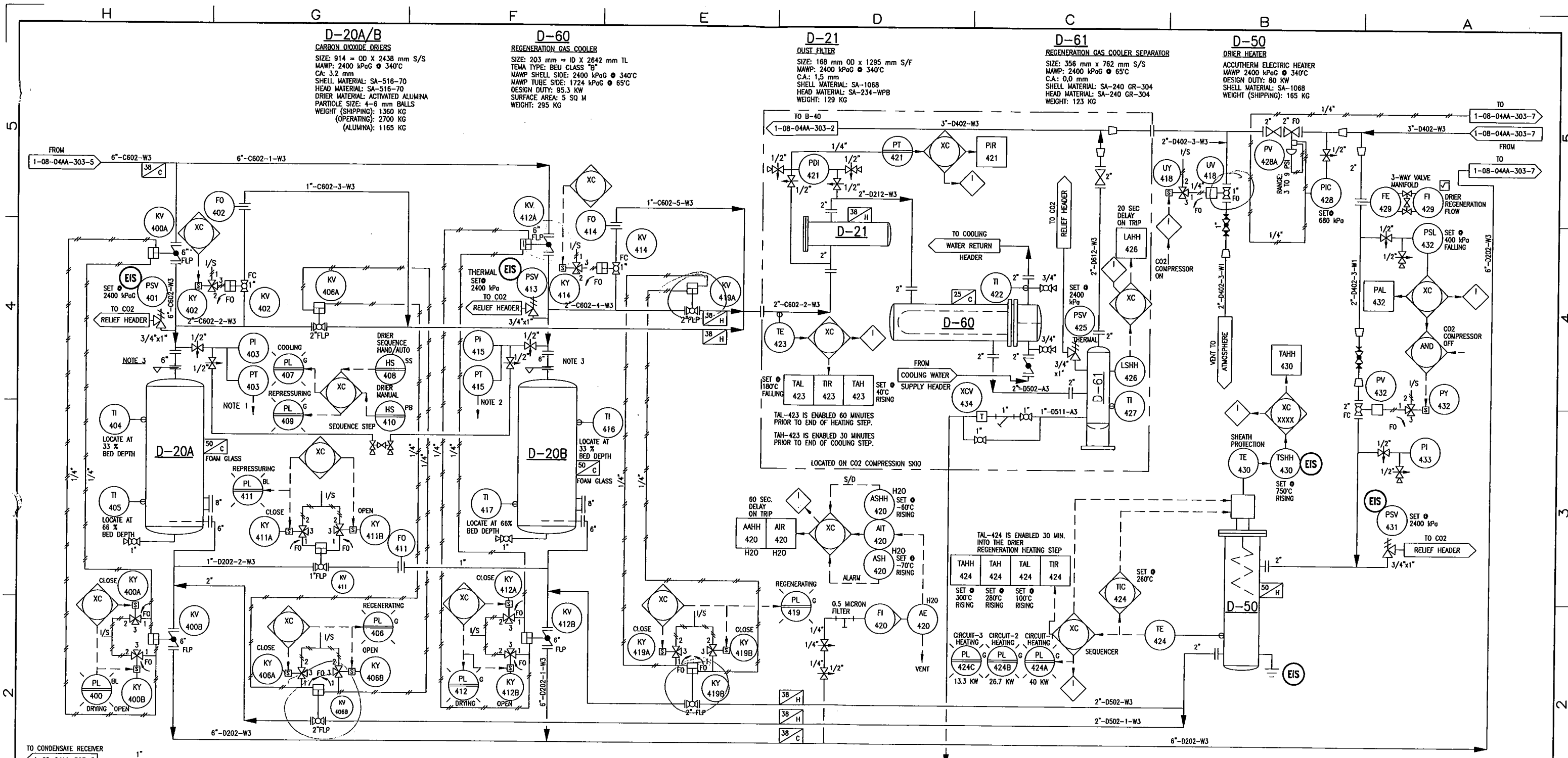
A-25511-1B		COURTRIGHT CO2 PLANT - CO2 COMPRESSION		100039-1A		EIS IMPLEMENTATION	
DOCUMENT No.		REFERENCE		PROJECT No.		PROJECTS HISTORY	
No. DU DOCUMENT				No. DE PROJET		HISTORIQUE DES PROJETS	
				ON-AALW		Do.B.	
				1-08-04AA		2003/01/17	
				303-3		F.R.	
				52			





NOTE 1: V-100 BED DETAILS (BOTTOM TO TOP) 1. 260 MM (0.28 M3) OF 12 MM # CERAMIC BALLS 2. 75 MM (0.05 M3) OF 6 MM # CERAMIC BALLS 3. 1524 MM (1.01 M3) OF 3 MM # ATOCHEM GAC 610 ACTIVATED CARBON			NOTE 2: V-101 BED DETAILS (BOTTOM TO TOP) 1. 75 MM (0.07 M3) OF 6 MM CERAMIC BALLS 2. 1076 MM (0.96 M3) OF UCI G-43A (PT-NI/ALUMINA 1/4"x1/4" TABLETS) CATALYST 3. 150 MM (0.136 M3) OF 12 MM CERAMIC BALLS			NOTE 3: PROMISE 300 MM MIN. COOLING EXTENSION.			100117-1B DOCUMENT No. No. DU DOCUMENT		P&ID REACTOR SYSTEM REFERENCE		100039-1A PROJECT No. No. DE PROJET		EIS IMPLEMENTATION PROJECTS HISTORY HISTORIQUE DES PROJETS								
No. DATE REVISION			PAR BY		VERIFIE APPROUVE CHECKED	THIS PRINT (AND ALL INFORMATION THEREON) IS THE PROPERTY OF AIR LIQUIDE AND IS SENT WITHOUT CONSIDERATION OTHER THAN THE BORROWER'S AGREEMENT THAT IT SHALL NOT BE REPRODUCED, COPIED, LENT OR DISPOSED OF, DIRECTLY OR INDIRECTLY NOR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SPECIFICALLY FURNISHED. THIS PRINT IS LENT SUBJECT TO RETURN ON DEMAND.			CE DESSIN (ET TOUTES LES INFORMATIONS INCLUSES) EST LA PROPRIETE D'AIR LIQUIDE, ET EST FOURNI SANS CONTREPARTIE, AUTRE QUE L'ENGAGEMENT DE L'EMPRUNTEUR OÙ IL NE SERA PAS REPRODUIT, COPIÉ, PRÊTÉ, OU CÉDÉ, DIRECTEMENT OU INDIRECTEMENT OU UTILISÉ POUR DES FINS AUTRES QUE CELLES POUR LESQUELLES IL EST FOURNI. CE DESSIN EST PRÊTÉ SUIVANT LA DEMANDE.			COURTIGHT C02 PLANT REACTOR SYSTEM ENGINEERING FLOW SHEET		ALC / COURTIGHT COURTIGHT, ONTARIO		SITE ID ON-AALW INSTALLATION ID 1-08-04AA DOCUMENTATION CODE 303-4 REV. 52		E. PETERS 1995/03/01 AIR LIQUIDE					
49/2012/07/18 AS-BUILT, DWG FRAME REVISED			T. NGUYEN		A. DUBE																		
50/07/03/2013 AS-BUILT, LOCATION CHANGED			M. GUTOWSKI		E. PILON																		
51/14/05/2013 INSTALLATION ID CHANGED			T. PHAM		NONE																		
52/01/12/2015 AS-BUILT AFTER PROJECT: MOC-73300-2013-01			T. NGUYEN		H. CHHER																		
H			G			F			E			D			C			B			A		





NEXT AVAILABLE TAG NUMBER 436			
D-50 DRIER HEATER SEQUENCE STEPS			
STEP #	CIRCUITS	TOTAL KW	
1	1	40	
2	1 + 3	53	
3	1 + 2	86.7	
4	1 + 2 + 3	90	

A-25511-1D		COURTRIGHT CO2 PLANT - CO2 DRIERS		100039-1A		EIS IMPLEMENTATION	
DOCUMENT No.		REFERENCE		PROJECT No.		PROJECTS HISTORY	
No. DU DOCUMENT				No. DE PROJET		HISTORIQUE DES PROJETS	
50107/03/2013 AS-BUILT, DWG FRAME REVISED		50107/03/2013 AS-BUILT, DIAMETER CHANGED		51114/05/2013 INSTALLATION ID CHANGED			
DATE		REVISION		PAR		VERIFIE	
49 2012/07/18		AS-BUILT, DWG FRAME REVISED		T. NGUYEN		A. DUBÉ	
50107/03/2013		AS-BUILT, DIAMETER CHANGED		M. GUTOWSKI		E. PILON	
51114/05/2013		INSTALLATION ID CHANGED		T. PHAM		NONE	
APPROVE		APPROVED		M.H. YASSIER		J. MAGNAN	
				NONE		NONE	

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LAEC NOV.3 1987
NO. 5680-400-24B

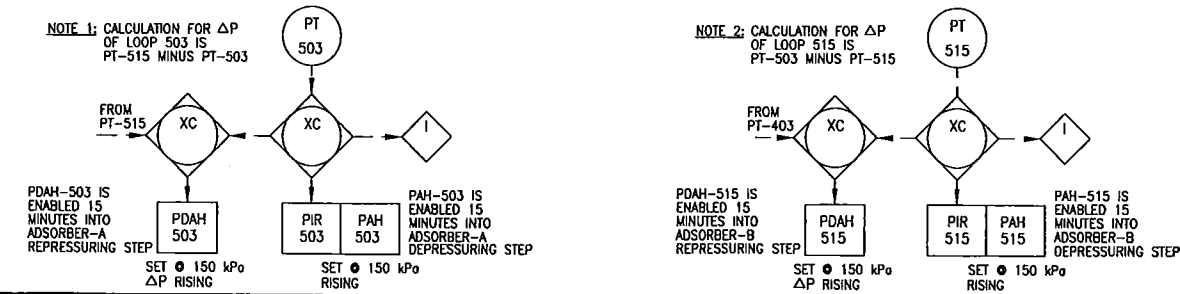
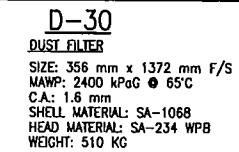
COURTRIGHT CO2 PLANT
CO2 DRIERS
ENGINEERING FLOW SHEET

ALC / COURTRIGHT
COURTRIGHT, ONTARIO

ON-AALW
1-08-04AA
303-6

2011/02/11

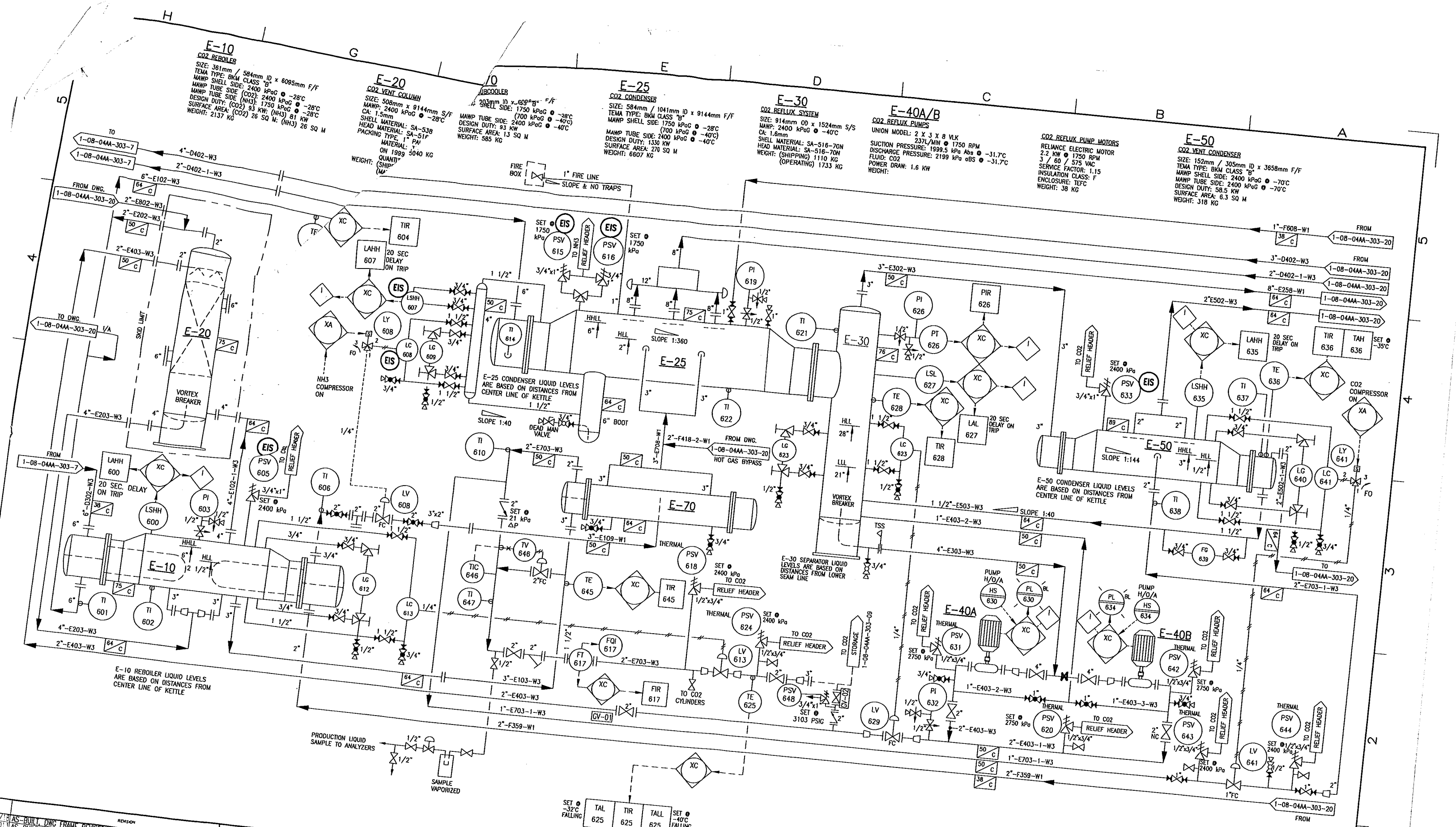
AIR LIQUIDE



STEP /	CIRCUITS	TOTAL KW
1	1	26.7
2	1 + 2	40

NOTE 3:
INLET NOZZLES TO CARBON BEDS
TO HAVE REMOVABLE SPOOL PIECES FOR
LOADING INTERNALS.

A-25511-1E		COURTRIGHT CO2 PLANT - CARBON BEDS		100039-1A		EIS IMPLEMENTATION	
DOCUMENT No. No. DU DOCUMENT		REFERENCE		PROJECT No. No. DE PROJET		PROJECTS HISTORY HISTORIQUE DES PROJETS	
COURTRIGHT CO2 PLANT CARBON BEDS ENGINEERING FLOW SHEET		ALC / COURTRIGHT COURTRIGHT, ONTARIO		SITE ID ON-AALW		Do.8 CUB	
				INSTALLATION ID 1-08-04AA		DATE 2003/01/17	
		SCALE 303-7		REV. 51			



REVISION	PAR BY	VERIFIED	APPROVED
1	T. NGUYEN	A. DUBÉ	M. H. YASSIER
2	M. CUTOVSKI	E. PILON	J. MAGNAN
3	T. PHAM	NONE	NONE
4	T. NGUYEN	H. CHIER	NONE

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COURTRIGHT CO2 PLANT
CO2 PROCESS
ENGINEERING FLOW SHEET

A-25511-1F
DOCUMENT No.
No. DU DOCUMENT

COURTRIGHT CO2 PLANT - CO2 PROCESS

ALC / COURTRIGHT
COURTRIGHT, ONTARIO

REFERENCE
100039-1A
PROJECT No.
No. DE PROJET
ON-AALW
INSTALLATION ID
1-08-04AA

EIS IMPLEMENTATION
PROJECTS HISTORY
HISTORIQUE DES PROJETS

LAEC NOV.3 1987
NO. 5680-400-268