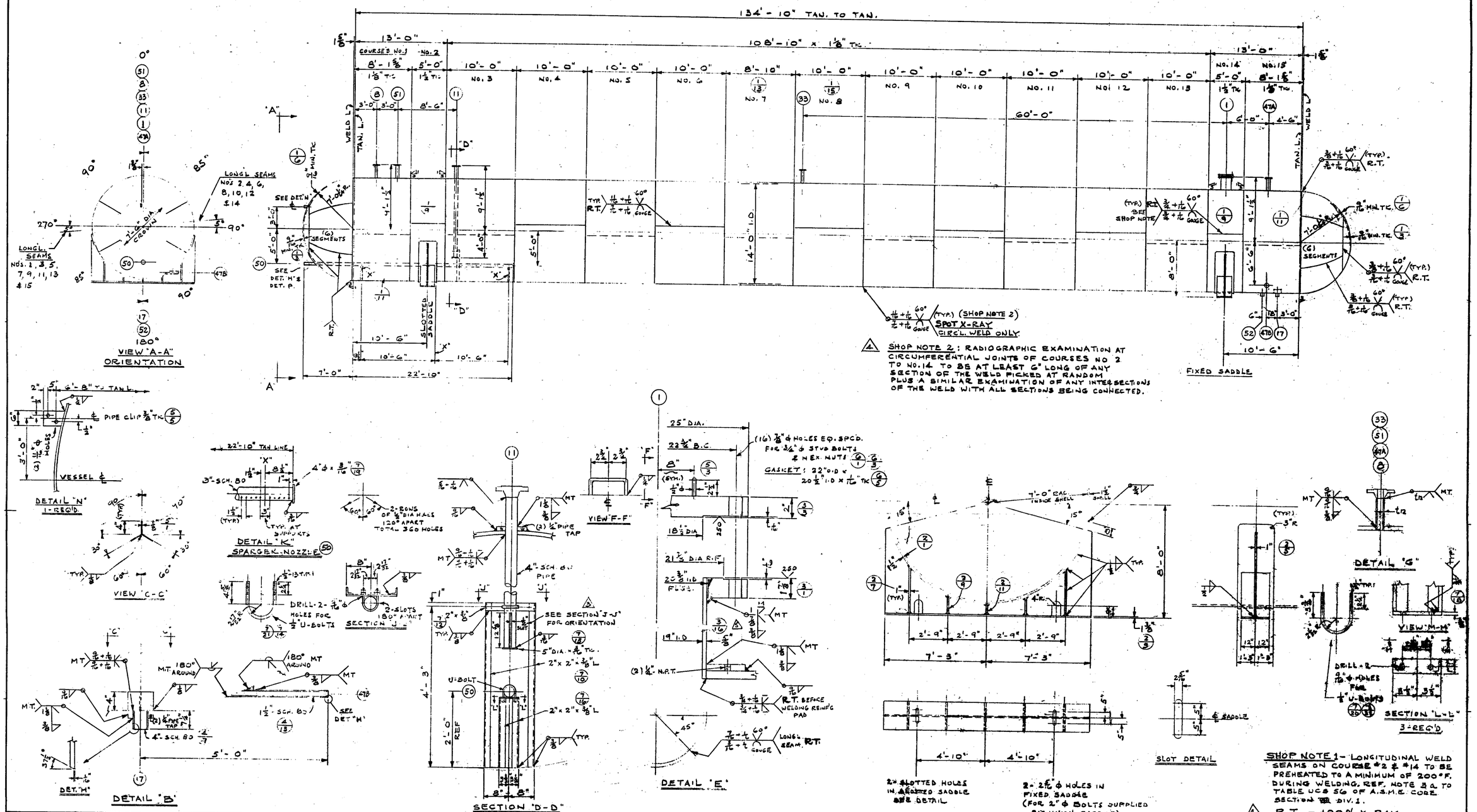

DESIGN DATA

CODE	A.S.M.E. 1974 CODE SECTION VIII, DIV. 1 AND UNFIRED PRESSURE VESSEL CODE
VESSEL TO MEET REQUIREMENTS OF DEPT. OF LABOUR, PROVINCE OF	QUEBEC
DESIGN PRESSURE P.S.I. SHELL SIDE	225 P.S.I.G
TUBESIDE	
OPERATING PRESSURE P.S.I. SHELL SIDE	15 TO 180 P.S.I.G
TUBESIDE	
DESIGN TEMPERATURE	-20°F. TO 500°F.
OPERATING TEMPERATURE	-20°F. TO 80°F.
HYDROSTATIC TEST PRESSURE P.S.I.	358 P.S.I.G
TUBESIDE	
RADIOGRAPHED	100% EXCEPT AS NOTED
STRESS RELIEVED	NONE
CORROSION ALLOWANCE	NIL
JOINT EFFICIENCY %: SHELL	100 %
HEAD	100 %

ALL BOLT HOLES TO STRADDLE VESSEL ℄S.

PAINT 2 COATS, OF 2 MILS IN ACCORDANCE WITH CUSTOMER'S SPECIFICATION UCC COP-1-73, COP-2-73, COP-51-70
DEPT. LABOUR REG. No.
C.V. LTD. SERIAL No.

MATERIALS

SHELL & HEADS — A.S.T.M. A-516-GR. 70 NORMALIZED

SADDLES	A.S.T.M. A-516-GR. 70 NORMALIZED
M.H. NECK	" " "
M.H. FLANGE & COVER	" " "
NOZZLES	A.S.T.M. A-105-II
PIPE	A.S.T.M. A-120-GR. B
STUD BOLTS	A.S.T.M. A-193-GR. B7
HEX. NUTS	A.S.T.M. A-194-2H
GASKET	U.M.-60 GR. BOWL
CLIPS	A.S.T.M. A-285-C
INTERNAL PLATE	" " "

* SEE SHOP NOTE 4

MARK	NO. REQ'D	SIZE – RATING	TYPE	PLATE	SCH.	PLATE	SERVICE	REINF'G. PAD	PLATE	REMARKS	PLATE
52	1	1½"			SCH. 80	3/4	SAMPLE			SEE DET. "R"	
51	1	2"-300# R.F.	W.N.FLGE	7/4	SCH. 80	3/4	SPARE			SEE DE. "G"	
50	1	3"			SCH. 80	3/4	SPARE			SEE DE. "K" & "P"	
47A	1	1½"-300# R.F.	W.N.FLGE	7/4	SCH. 80	3/4	EXTERNAL LEVEL			SEE DE. "G"	
47B	1	1½"			SCH. 80	3/4	EXTERNAL LEVEL			SEE DE. "B"	
33	1	2"-300# R.F.	W.N.FLGE	3/4	SCH. 80	3/4	SAFETY VALVE			SEE DE. "G"	
17	1	4"			SCH. 80	3/4	BOTTOM OUTLET TO PUMP	8 0.D. x 4 3/8 I.D. x 7/16	3/4	SEE DE. "B"	
11	1	4"-300# R.F.	W.N.FLGE	7/4	SCH. 80	3/4	FEED FROM OABS	8 O.D. x 4 3/8 I.D. x 7/16	3/4	SEE SET. "D-D"	
8	1	3"-300# R.F.	W.N.FLGE	7/4	SCH. 80	3/4	VENT TO ATM			SEE DE. "G"	
1	1	25" O.D. x 20 3/8" I.D.	PL.	3/4	3/8 WALL	3/16	MAN-HOLE	38" O.D. x 20 3/8" I.D. x 1/8	3/8	COVER: 28" O.D. x 2"	3/8

SCHEDULE OF OPENINGS

NO.	ZONE	PARTICULARS	DATE	BY	CHK'D	APP'D
5		M.H. NECK DIA. 4" TK.	FEB 15 '74	Y.G.H.		
4		SHOP NOTE 2 ADDED, R.T. NOTE ADDED	MAY 23 1974	Y.G.H.		
3		DETAILS "B" & "P" ADDED	MAY 24 1974	Y.G.H.		
2		REVISED AS PER SUPPORTS REPORT	DEC 19 1974	Y.G.H.		
1		DETAILS ADDED, NOTES REVISED & ADDED	JULY 11 1974	Y.G.H.		

REVISIONS

JOB No. 2224 | DATE | DWG Qty | DWG No. A-1 | REV. No. 5

6892-0619924

SERVICE D'INGENIERIE
UNION CARBIDE DU CANADA LTÉE
PLASTIQUES ET PRODUITS CHIMIQUES

NO. DE FICHE			NO. DU DESSIN	REV.
USINE	SITE	SUIVT		
503	16A	8.11	53756	

DISTRIBUTION			
7			
6			
5			
4			
3			
2			
1			
ISSUE	INTERNAL	CLIENT	D of L

DEPT. OF LABOUR

REFERENCE DWGS.
NOS.

DRAWN Y.G.H.	STRESS CHK'D C.L.	GROUP LEADER W. SCRITON	
DATE JULY 11/74	DATE JULY 11/74	DATE July 11/74	
CHK'D W.S.		APP'D by L. Lamont	
DATE July 11/74		DATE Dec. 22/74	

THIS DRAWING AND ALL COPIES HEREOF, AS WELL AS ALL TECHNICAL INFORMATION APPEARING HEREON, ARE THE PROPERTY OF CANADIAN VICKERS LIMITED, MONTREAL, CANADA, WHICH RESERVES ALL RIGHTS OF COPY-RIGHT. THE SAME MAY NOT BE USED OR REPRODUCED, IN WHOLE OR IN PART, WITHOUT THE WRITTEN PERMISSION OF CANADIAN VICKERS LIMITED. ANY COPY HEREOF ISSUED BY CANADIAN VICKERS LIMITED MUST BE KEPT CONFIDENTIAL AND USED BY THE RECIPIENT ONLY FOR THE SPECIFIC PURPOSE FOR WHICH IT IS AN ISSUED AND, UNLESS OTHERWISE AGREED IN WRITING, MUST, UPON DEMAND, BE RETURNED TO CANADIAN VICKERS LIMITED.

CANADIAN VICKERS LIMITED
MONTREAL, CANADA
INDUSTRIAL DIVISION

14'-0" I.D. HORIZONTAL MIX TANK

ITEM 4234-0620
FOR UNION CARBIDE CANADA LTD.
POINTE AUX TREMBLES, QUEBEC

SCALE 3/8" = 1'-0" | DATE | REVISION NO. 5

A1