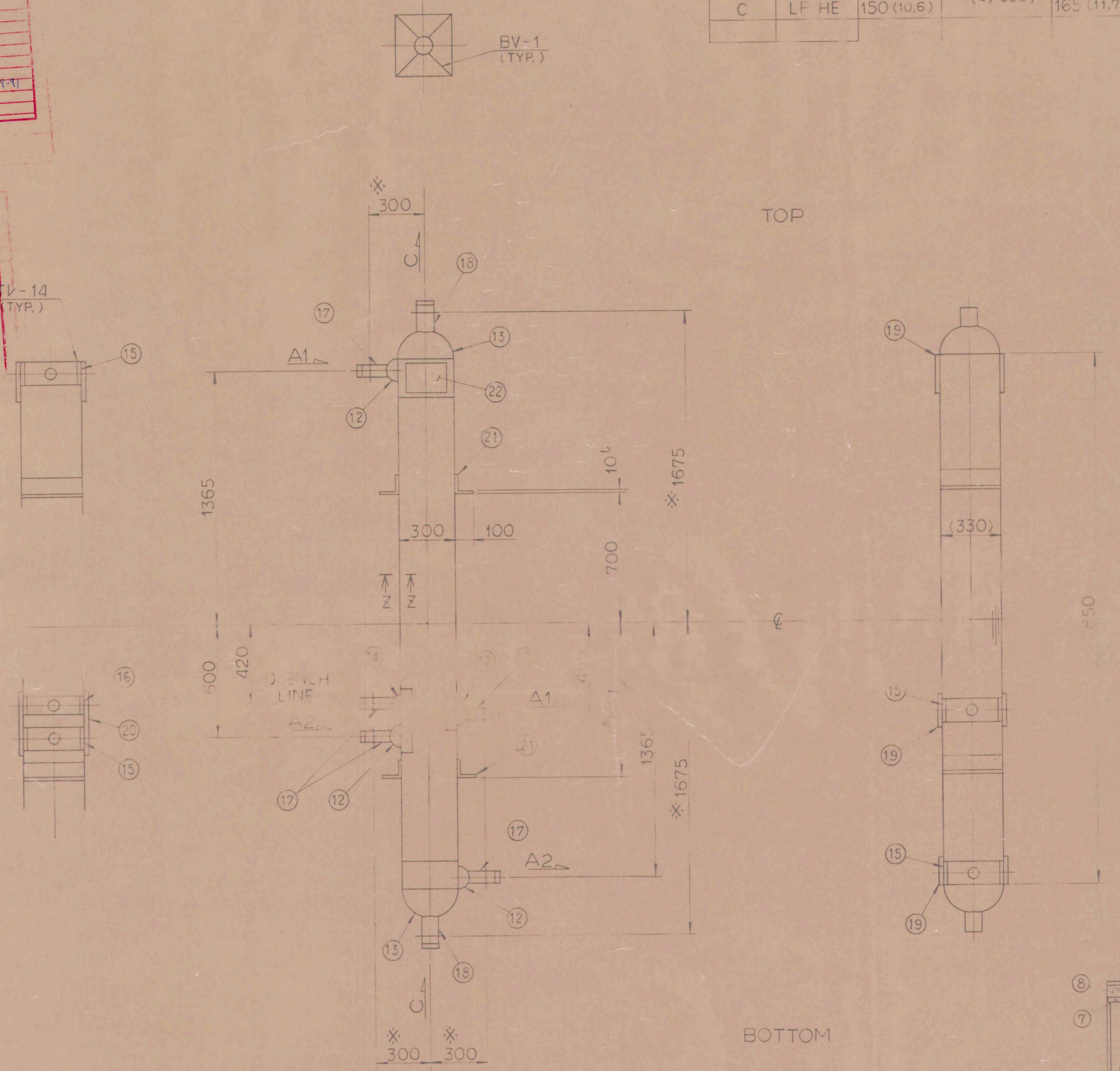
TEST AND DESIGN DATA UNIT : PSI G (KG/CM² G) °F (°K)						OP. PRESS UNIT :	CORRUGATION CODE (PROOF TEST RECORD NO.)		NO. OF LAYERS
STREAM	FLUID	DESIGN PRESS.	DESIGN TEMP.	LEAK TEST	HYDRO. TEST	ATM A	MAIN	DISTRIBUTOR	
A1	HP HE	300 (21,1)	-452/150 (4/338)	330 (23,3)	450 (31,7)	3,948	* 150S1808 (V16)	150R1412/5 (V15)	21/0
A2	HP HE					3,948			0/21
C	LP HE	150 (10,6)		165 (11,7)	225 (15,9)	1,118	* 350S1808(V1)	350R0624/5(V6)	22

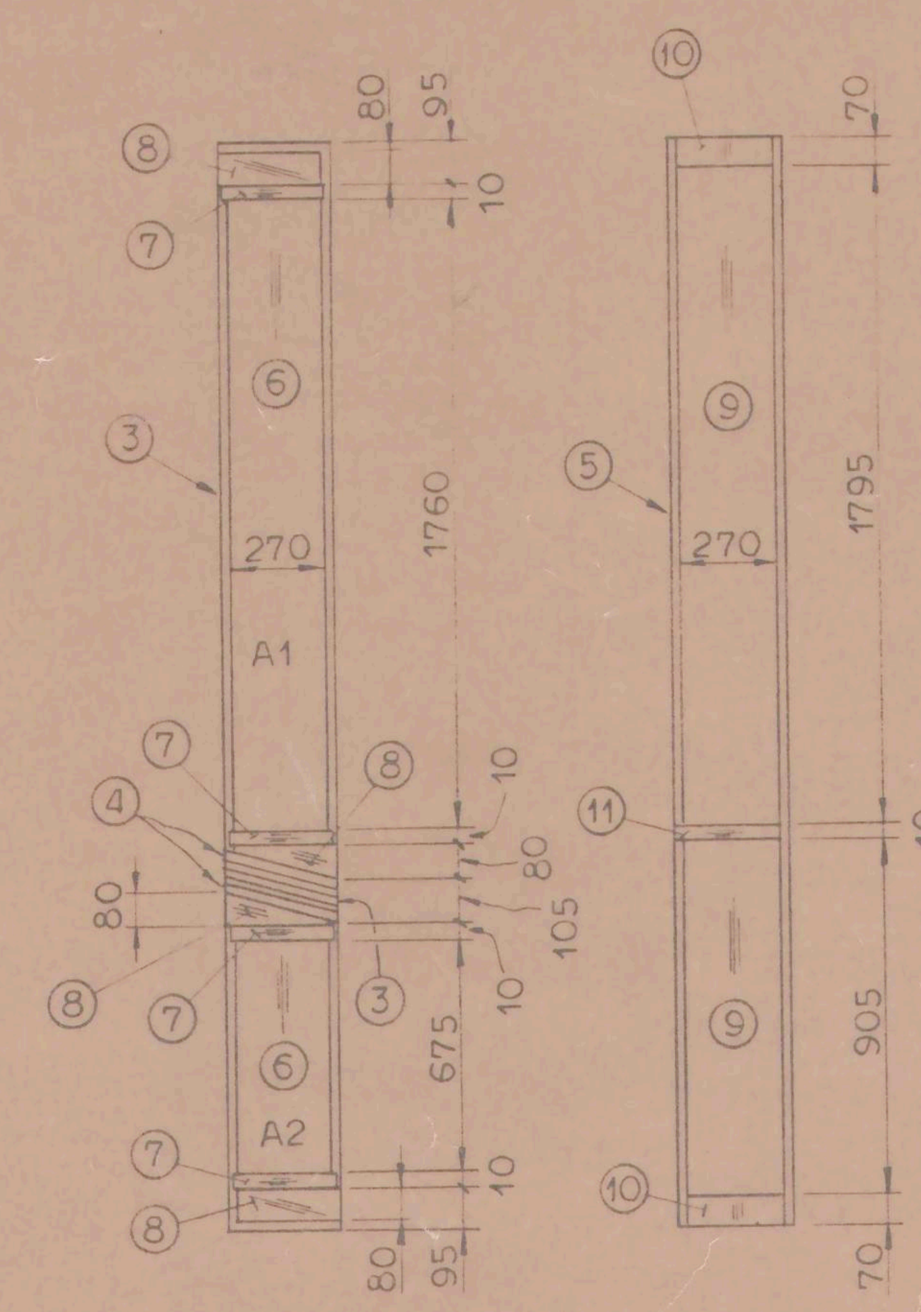
*: HARDWAY FIN
STREAM A1, A2 : 150R1824/10(V121) x LENGTH 10mm BOTH END
STREAM C : 350R1224/25(V83) x LENGTH 10mm COLD END (SEC, 1)

ISSUE	DATE	APPRO.
(A)	MAR.?? '91	



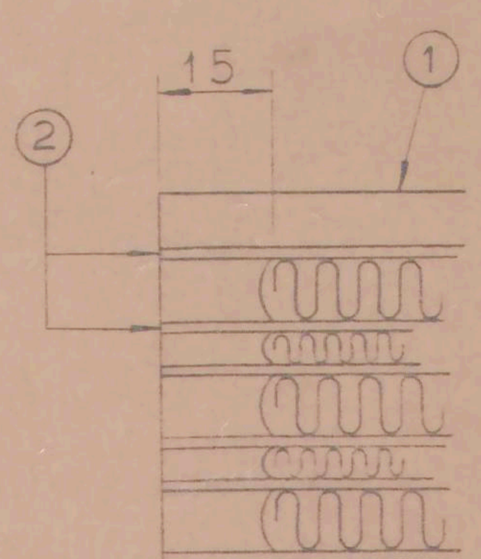
NOTES
1. ASSEMBLY : MATERIALS OF METAL PARTS ARE ALUMINUM AND ALUMINUM ALLOY AND BONDED BY VAC. BRAZING AND ARGON ARC WELDING.
2. APPROX. WEIGHT : 330 KG (EMPTY)
3. ※ SHOWS THE LOCATION AT WHICH HEAT EXCHANGER AND CONNECTION PIPES SHALL BE CONNECTED AT SITE. (INDICATED BY SCRIBE MARKS)
4. PROOF TEST OF CORRUGATION WAS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF PARA.UG-101 OF ASME CODE SEC.VIII DIV.1
5. ONE(1) NAME PLATE IS ATTACHED TO CORE. (ITEM NO. 22)
   ONE(1) NAME PLATE SHALL BE SHIPPED LOOSE. (ITEM NO. 23)
6. OTHER TESTS : HELIUM LEAK TEST.
   (EXTERNAL AND ALL INTERPASSAGES LEAK TEST)
   ALLOWABLE LEAK RATE : EXTERNAL = 1×10^{-6} mbar - ℓ/s
   INTER PASSAGE = 1×10^{-4} mbar - ℓ/s
(A) 7. THERE IS NO ITEM REQUIRED RADIOGRAPHIC INSPECTION.

SPECIFICATIONS	
CODE FOR CONSTRUCTION AND INSPECTION	ASME SEC. VIII DIV.1 1989 EDITION AND 1989 ADDENDA
DETAIL SPEC. FOR INSPECTION	SHS-E-1250
SEALING METHOD FOR SHIPPING	SHS-P-152
STORAGE AND INSTALLATION INSTRUCTION	SHS-P-140
REPAIR METHOD OF DEFECTS	SHS-L-0013
STANDARD OF EDGE PREPARATION	SHS-S-1004
THERMAL PERFORMANCE DATA	STD SH0669 SSR 2833
PACKING SPECIFICATION	SHS-P-1083-G

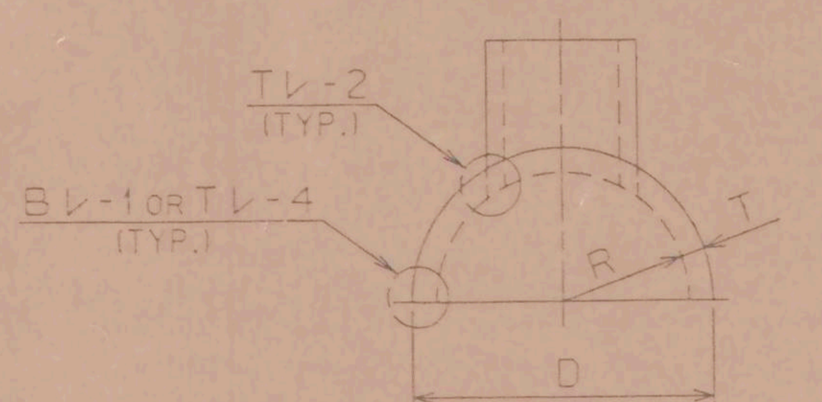


43	C
42	A1+A2
41	C
40	A1+A2
39	C
38	A1+A2
5	C
4	A1+A2
3	C
2	A1+A2
1	C

STACKING ARRANGEMENT



SEC. Z-Z



ITEM NO.	R	T	D
12	48	5	106
13	140	6	292
14	38	5	86

DETAIL OF HEADER TANK

ITEM NO.	PART NAME	MATERIAL	DESCRIPTION
23	NAME PLATE	SUS304	1t
22			1t
21	BRACKET	SB-221 6063	L=100x100x10t
20	PLATE	SB-209 5083	16t
19			12t
18	PIPE	SB-241 5083	89.1φ x 5.5t
17			60.5φ x 3.9t
16	END PLATE	SB-209 5083	8t
15			8t
14	HEADER TANK		38R x 5t
13			140R x 6t
12			48R x 5t
11	CORRUGATION	SB-209 3003	0,61t (350R1224/25)
10			0,61t (350R0624/5)
9			0,20t (350S1808)
8			0,31t (150R1412/5)
7			0,61t (150R1824/10)
6			0,20t (150S1808)
5	SPACER BAR	SB-209 3003 OR SB-221 3003	8,89H x 15W
4			3,81H x 25W
3			3,81H x 15W
2	TUBE PLATE	SFA-5.8/SB-209 BAlSi-7/ 3003	1,05t
1	SIDE PLATE	SB-209 3003	6.5t

APPROVED Feb 27 '91
CHECKED Feb 27 '91 J. Okada
DRAWN Feb. 25. '91 K. YOSHIMURA

CUSTOMER KOCH PROCESS SYSTEMS, INC.
TITLE MTL/ASST CRYOGENIC SYSTEMS (SSCL) JOB NO. C502066 (A) HX-1009/1010
REFRIGERATOR/LIQUEFIER
APR 18 1991
SUMITOMO PRECISION PRODUCTS CO., LTD.
1-10, FUSO-CHO AMAGASAKI, JAPAN
UNIT MM SCALE 1/15 3RD ANGLE PROJ.
ASH0669-1 (A)
0698-1

配布先 熱技 1 二生 2 外注 二製 現場 現地 品熱 1 品航 購売 NY 1 参考(生技) (物流) 1 客先 1FR+4C

1FR+10C