FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

		F	ORM	U-1A N	IANUFA	CTURE	R'S DATA	REPOR	T FOR PRE	Wooster, Ohio	SSELS	205#214Ta
• •			(Alte	Required	orm for S by the F	Single Ch rovisions	amber, Con of the ASM	npletely S E Code I	Shop-Fabrica Rules, Sectio	ted Vessels O n VIII, Divisior	nly) 11 X T	13505 orm U1-
Manufactured a	nd certif	ied b	у	ASTRO	METALLL	JRGICAL,	INC. 3225 V	Vest Old L	incoln Way W	/ooster, Ohio, U	ISA 4469	1
Manufactured fo	or		LUOR	DANELS	INC. AS A	<u>CENT FO</u>	me and add RHOFFMAN me and addr	NLA RO	CHE, INC., P.C	D. BOX 950 , M	ARLTON,	NJ , 08053
Location of Insta	allation _	·		- FL	UOR DAN	IELS, INC.	, 206 ROCH	EDRIVE,	CONS. ENT.,	BELVIDERE, I	V J, 07823	}
Type VERTICAL				(h 86-	60603		,		C-1203-D, R3 (Drawing No.)		_ /7.5 / 1997	
(nortz. or wert tank) The chemical and physical properties												
The design,				-		-		•	on 1 1995 (Year	<u> </u>		
Adden				e Case No	s. S	Special Ser	vice per UG-	120 (d)				
Shell: SB-265-2			rade)	Nom	1/4" The (in)		1/16'	 	4'-0' Diam. ID (ft. & in.)		8'-21/2'	
	Seams: SNGL		auej	FULL					SNGL		FUL. 1	
Long.(W	felded, Dbl	., Sngl.	Lap, But	RT (S	pot or Full)			Time (hr.)				ertial or Full) No. of Cours
Heads: (a) Mat'l	l				3-265-2			(b) Mat	l	SE (Spec. N	3-265-2	,
Location (Top,			ess C	(Spec. No., Grade) Corrosion Allowance mm in		Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex	Hemispherical	Flat	Side to Pressure (Convex or Concave
) TOP	_		/8"		1/16"	_	_	2:1		_	_	CONCAVE
) BOTTOM	:	3	8'	_	1/16'	_	_	2:1	_	_	_	CONCAVE
removable, bolts		doscri	he othe	r factoning			<u> </u>					<u> </u>
lin. design metal). Nozzles, inspe Purpose	ection a	nd saf No.	ety valv	e opening					test pres		38	psi.
(Inlet, Outlet, D			mm —	in 10'	150-LJ	SB-26	S5.2	1/4"	Material INHEREN	Attached WELDED		
SERMOE		2		8'	150-LJ	SB-26		1/4"	INHEREN	i		
SERMOE		1	_	6'	150-LJ	SB-33	37-2	.280'	INHEREN	T WELDED)	
SERMCE		1	_	4"	150-LJ	SB-33	37-2	.237'	INHEREN	T WELDED)	<u> </u>
1. Supports: Skirt	(yes o		Lugs	(No.)	_ Legs _	4 (No.)	Other	(Descr	- ribe)	Attached		EAD WELDED
2. Remarks: Man of the report:			ırtial Da	ta Reports	• • •				•		rnished fo	r the following items
ISUNTISEXEM	PTFRO	MIMP/	ACT TES	TING PER		me of part,	item numbei	r, Mfgr's. n	ame and ident	ifying stamp)		
	···											
					CERT	IFICATE	OF SHOP (COMPLIA	ANCE		-	
			nade in		аге сопте	ct and that	all details of	design, ma	aterial, constru		manship o	f this vessel
Ve certify that the				re Vessels	, 00000011 4							
onform to the AS xpires JANUARY	ME Cod		Pressur	19 <u>98</u> .	lame:	AS	TRO METAL		L, INC.	_ Signed:	any,	Litetahu
onform to the AS xpires JANUARY	ME Cod		Pressur	19 <u>98</u> .	lame:		(Manufa	cturer)		Signed:	(Repte	esentative)
	ME Cook 8 S d by A' mmissic	FIRO on issue	METALL ued by the	19 <u>98</u> . Co. N URGICAL he Nationa	CERT	IFICATE	(Manufa OF SHOP I Pressure Ve	cturer) INSPEC	TIONat WO	OSTER, OHO ne State or Prov	I, the	e undersigned,

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

Form U-4

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by ASTRO METALLURGICAL, INC. 3225 West Old Lincoln Way Wooster, Ohio, USA 44691 (Name and address of Manufacturer) 2. Manufactured for FLUOR DANIELS, INC. AS AGENT FOR HOFFWANN-LA ROCHE, INC., P.O. BOX 950, MARLTON, NJ, 08053 (Name and address of Purchaser) 3. Location of installation FLUOR DANIELS, INC., 206 ROCHE DRIVE, CONS. ENT., BELVIDERE, NJ., 07823 (Name and address) VERT. TANK 4. Type 60603 (Horiz., vert. or sphere) (Tank, separator, heat exch., etc.) (Mfg's. serial No.) 1757 C-1203-D, R3 1997 (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built) Data Report Item Number Remarks 10 No. Diameter Nom. Reinforcement Purpose (Inlet, Type Material How Location Thickness Outlet, Drain) Material Attached \mathbf{m} in mm in SERMOE 3" 150-LJ SB-337-2 .216 INHERBYT WELDED SERMOE 3 : -2" 150-LJ SB-337-2 - .154" INHERENT **WELDED** No. <u>10,884</u> Certificate of Authorization: Type U _ Expires JAN 8 Date 4-18-97 Name ASTRO METALLURGICAL, INC. Signed (Manufacturer) Date 6-18-97 Name Camp (2 2 d(Authorized Inspector) Commission NB 9475 B Oh Comma (Natl. Board ind. endorsement, State, Province and No.)