10-77404M Job No.			FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS														
	24" x 20' BEM EW Unit Descrip		As Require	ed by the Provision	ons of the ASM	IE Boiler and	Pressur	e Vessel C	ode Rule	s, Section	VIII, Divi	sion 1					
1. N	lanufactured ar	nd certified by	Graham	Corporation,	20 Florence												
2. N	lanufactured fo	r CMI Equip	ment & E	Engineering C	Company, 4	1663 170	St., GI		nnesot	cturer) a, 5533	6						
3. L	ocation of insta	llation Not K	nown			(Name	and add	ress of Pur	chaser)								
			(Name and address) Condenser							10-77404-1							
4. Type Horizontal (Horizontal, vertical, or sphere)					(Tank, separator, jkt. vessel, heat exch., etc.)						(1			ial number)			
	N/A (CRN)					C-63211-1, Rev. 0					39567				2010		
` '					,	(Drawing number)					(National Board number)				(Year built)		
5.	ASME Code, S	ection VIII, Div	/. 1		2007/ A09 and Addenda (date)		C	N/A	A e number		Sne		N/A ce per UG-	120(d)		
	Items 6-11 inc	l to be comple	eted for sin	igle wall vessel	,	,	ssels :							•	()		
6. S	hell: (a) Numbe	•	_			all length	.000,0	311011 01 110		9' 9.500		307 07 777	antionam	_			
	Course	(s)	ı	Material		Thickness		Long. Joint (Ca		Cir	cum. Joint	cum. Joint (Cat. A, I		B, & C) Heat Trea]	
No.	Diameter	Length		Grade or Type	Nom.	Corr.		Full, Spot,			71 7 7		Eff.	Temp.	Time		
1	24.0" OD	19' 9.500"	S.	A-106-B	.375"	0	S	None	10	0% N/A	N/A	A	N/A	N/A	N/A	_	
7. H	Heads: (a)	N/A Material spec. number, grade or type) (H.T			time and tom			(b)	(Motor	rial anaa	aumhar a	N/A	A or type) (H.T time and temp.)				
	Location (Top,	Thickne		Radi			Conical A	Anex Hemi	spherical	Flat		Pressure	уре) (п.т.	Category		_	
	Bottom, Ends)	Min.	Corr.	Crown	Knuckle	Ratio	Angle		adius	Diamete		Concave	Туре	Full, Spo		-	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	A N/A		
If re	emovable, bolts	s used (describ	e other fa	stening)			(N	Naterial spe		N/A er, grade,	size, num	ber)					
8. Type of jacket			N/A			Jacket closure				N/A (Describe as ogee & weld, bar, etc.)							
lf	bar, give dimen	nsions				N/A					(Describe	as ogee			e or sketch.		
). MA	AWP 20	psi	15 psi	at max. ten	np. 30 (3	300 °F Min.			n. design metal temp0			at	20 psi			
(Internal)			(External)	(Interi	(Exte	ernal)	_									
0. Ir	npact test			(Indicate ves	No, per or no and the	UG-20(f)	s) impac	t tested)				at	test tem	perature o	of N/A	_	
1. Hy	ydro., pneu., or co		Proof test					N/A									
It	ems 12 and 13	to be complet	ed for tube	e sections.													
2. Tubesheet		SA-516-7				26.500"			.25"		0			Welde			
(Stationa			material spe	ec. no.))	(Diameter	(Diameter (subject to pre		ss.)) (Nominal thick		ss)	(Corr. all	(Corr. allow.)		Attachment (welded or bolted)			
N/A (Floating (material spec. no.))						N/A Diameter)		N/A (Nominal thickness)			N/A (Corr. allow.)			N/A (Attachment)			
3. Tubes SB-111-443					,	,		.049"						Straight			
0. 1		(Material spec		e or type)	-	.750" (O. D.)			thicknes	is)	321 (Number	er)	(1	Straig Type (Straig		-	
	tems 14-18 incl		ted for inn	er chambers o	•	ssels or cha	annels	of heat ex 2' 4. 0	•	rs.							
0	Course			Vlaterial	. ,	ness		Long. Joint		Cir	cum. Joint	t (Cat. A,	B, & C)	Heat T	reatment	1	
No.	Diameter	· ·		Spec./Grade or Type		Corr.		Full, Spot,		ff. Type	Full, Spo	t, None	Eff.	Temp.	Time	1	
2 24.0" OD		1' 2.0"	S	A-106-B	.375"	0	S	None	10	0% 1	Noi	ne	70%	N/A	N/A]	
15. H	Heads: (a)			-516-70				(b)				\-234-W					
				nber, grade or type) (H.T time and ter			,				aterial spec. number, grade or type cal Flat Side to Pressure						
Location (Top, Thickness Radius					uo	Elliptical	Julical F	hex uews	philetical	Flat	Side to	riessure		Category	^		

Bottom, Ends) Ratio Angle Radius Diameter Convex Concave Min. Corr. Crown Knuckle Туре Full, Spot, None Eff. 0" **END** 1.250" N/A N/A N/A N/A N/A 28.125" N/A N/A N/A (a) END .3281" 0" N/A N/A 2:1 N/A N/A 24" X N/A N/A N/A (b)

If removable, bolts used (describe other fastening)

(a) & (b) welded to #14. (a); SA-193-B7 .750" Dia. (28) w/ SA-194-2H Nuts

(Material spec. number, grade, size, number)

_, not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer

has constructed and assembled this pressure vessel in accordance with the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test of ______. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be liable in any manner for any

personal injury or property damage or a loss of any kind arising from or connected with this inspection.

(Authorized Inspector)

[National Board (incl. endorsements), State, Province, and number]