	Additional Drawing No.																		
	Header Volume (cu.ft.) (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) Header Volume (cu.ft.) As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1																		
1. 1	1. Manufactured and certified by Harsco Industrial Air-X-Changers, 5215 Arkansas Road, Catoosa, Oklahoma, 74015, USA																		
	(Name and address of Manufacturer) 2. Manufactured for EXTERRAN, P.O. BOX 690349, HOUSTON, Texas, 77269, USA																		
						JV 090	549, П	1003101					s of Purcha	ser)					
3. L	ocation of I	nstalla	tion l	UNKNOV	VN						(Name	ano	d address)						
4. T													2015						
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) 5. ASME Code, Section VIII, Division 1 2013/ N/A N/A												(Year built)							
Image: Section vini, Division in 2013/ N/A N/A [Edition and Addenda, if applicable (date)] (Code Case numbers) (Special service per UG-120(d))												20(d))							
6. Shell: SA516 70 1 in						1 in		625	5 in			N/A				N/A			
Body Flanges on Shells								nner diameter)	er diameter) [Length (overall)]										
No.	Туре		ID	OD	Flange	Min Hu	h Thk	Ma	terial	F	łow		Location			Bolting	Boltin	g asher (OD, ID	, Washer
					Thk						ached			Num & Siz		Material		thk)	Material
N/A	N/A		I/A	N/A	N/A	N/A		N/A	N 1/A	N/A	N1/A	N/A	4	N/A		N/A	N/#		N/A
		ng. (weld		sngl., lap, but	t)] [R.	N/A F.(spot or f		C=.20 (Eff.,%)	N/A (H.T. temp)	(N/A Time, hr)		[Girth. (weld	N/A led, dbl., sngl., l	lap, bi		N/A spot or	full)] N/. (Eff.,	
8. Heads: (a) Material SA516 70 (b) Material SA516 70 (c) Spec. no., grade) (b) Material SA516 70 (c) Spec. no., grade)																			
	Location (Top		· /	Minimum		rosion		n Radius	Knuckle Ra	idius	Ellipti		Conical	Hemispheri	Fla	at Diameter	-	Side to Pressu	`
(a)	Ends TOPS,I	<i>'</i>		Thickness Allowance 0.875" 0.0625 N/A		N/A	N/A		Rati			e cal Radius N/A 6.5" x 38.125"			Concave) N/A				
(b)				0.625"		0.0625		N/A	N/A			N/A N/A		N/A 6.5" x 6.75"		N/A			
								1	Body Flang	ges on	Heads			1			Bolting		
No.	Location	Ту	/pe	ID	OD	Flan	ge Thk	Min Hub Thk	Mate	erial	F	low /	Attached	Num & S	ize			g Washer (OD,	Washer Material
(a)	N/A	N/A		N/A	N/A	N/A		N/A	N/A		N/A					N/A			N/A
	MAWP 645 psi N/A at max. temp. 350 °F N/A								N/A External)										
N	1in. design r	netal t	`	-20 °I	=	at		645 psi			Hydr	o, pi	neu., or co	(Internal) omb. test p	ress	ure	`	/DRO. at 8	39 psi .
_			-																
Р	roof test										N/A								-
	lozzles, insp		and s		e openi	ngs:		Materia			Nozzle	Thick	2000		_	Attachmon	t Dotai		
Purpose (Inlet, Outlet, Drain, etc.)		Drain,	No. Diamete or Size		Тур	Noz			Flange		Nom.		Corr.	Reinforcement Material		Attachment D Nozzle		nge	Location (Insp. Open.)
	IN/OUT DRAIN		2	6" 0.75"	300# R		SA106		SA105		SCH-80 6000#			Weld Weld		Welded	Wel		Header
	DRAIN		2	0.75	CPI	.0	SA1	05			0000#			weiu		Welded	Wel	ueu	Nozzle
11. 8	Supports: S	Skirt	NC (Yes or		gs N. (Num		egs	N/A (Number)	Other				Structure (Describe)			Attached		Bolto (Where an	
	emarks: Manu	facturer	's Partia	al Data Rep	orts prope	rly identi	ied and	signed by (Commissione	ed Insp	pectors,	have	e been furnis	shed for the fo	ollowi	ng items of th	ne repo	ort:	
N/A (Name of part, item number, Manufacturer's name and identifying stamp)																			
		leno S: 93 pe: 3	gth c 3 x . 3/4X1	of tube 625" OI 6UNF-T	s, OR, D, Ga hreade	Dist uge: d, Ma	OR ance 16BW	Header betwee G, Mat al: SA1	Dimensi n the h erial:	ons eade SA2 IMP	: 8. ers: 14 Ro	500 8'	00" X 1 0.0" ed Tube	.0" X 3'	(B)	INSP.OP			

		FORM U-1A (Back)		NB Number 88331								
conform to the ASME	ements made in this	ERTIFICATE OF SHOP/FIELD COMP report are correct and that all details o SURE VESSEL CODE, Section VIII, Di	f design, material, c									
Date 01/25/2015	Co. name	Harsco Industrial Air-X-Changer (Manufacturer)	S	Signed	Au Gospu (Representative)							
CERTIFICATE OF SHOP/FIELD INSPECTION												
	ding a valid commiss	Industrial Air-X-Changers at sion issued by The National Board of B										
and state that, to the b AND PRESSURE VES warranty, expressed o	est of my knowledge SEL CODE, Sectior r implied, concerning	n this Manufacturer's Data Report on and belief, the Manufacturer has cons VIII, Division 1. By signing this certific the pressure vessel described in this I manner for any personal injury or prope	tructed this pressure cate neither the Insp Vanufacturer's Data	e vessel in acco ector nor his/he Report. Furthe	r employer makes any rmore, neither the Inspector							
Date01/27/201	15 Signed	Com	nissions		2A, OK765 d (incl. endorsements)]							
2190182	exe: v6.4.28				Form and version: U1A-18							