



VIEW A-A

LETTER	DESCRIPTION	SIZE
A	OIL OUTLET	ND150 PN16
B	OIL INLET	ND50 PN16
C	STEAM INLET	ND50 PN16
D	CONDENSATE OUTLET	ND40 PN16

SPECIFICATION		
DESCRIPTION	TUBES	SHELL
Design Pressure (PSIG)	50 PSI	165 PSI
Hydrostatic Test Pressure (PSIG)	75 PSI	248 PSI
Internal Tube Surface (ft ²)		
External Tube Surface (ft ²)	374	
Passes	1	1
Empty Weight (lbs)	(S3) 2,210# [1002 KG]	
Water Filled Weight (lbs)	(S3) 3,310# [1501 KG]	
Gross Size (ft ²)		
SHELL	PIPE, 14" X 3/8" WALL X 15'-8 3/4" LG	
TUBES	(119) ø3/4" X 18 GA X 16'-0" LG	304 SS

7	1	NAMEPLATE (LARGE)		CIW			
6	1	GASKET, 1/8" X 16 1/4" OD X 14 3/16" ID J.CRANE #2160					
5	24	HEX NUT, M24 X 3					
4	24	HEX HEAD CAPSCREW, M24 X 3 X 110 MM LG					
3	1	ENDCAP	U1628-104				
2	1	ENDCAP	U1628-103				
1	1	OIL HEATER WELDMENT	U1628-113	CODE VESSEL			
ITEM	RQD	TOTAL	SHOP BILL OF MATERIAL	CONTROL	S.O.	NO. RQD	DATE
DR. PWA	CHK.	DATE: 3/2/2004	SCALE: 1 1/2"=1'-0"	THIRD ANGLE PROJECTION	FILE NO. A004154	ORIGINAL FILE: AK97134	CROWN IRON WORKS CO. MINNEAPOLIS, MINNESOTA 55440
			ASME	DECIMAL	±.010	NOTICE: © 2001 CROWN IRON WORKS COMPANY THIS DRAWING AND INFORMATION ARE THE PROPERTY OF CROWN IRON WORKS COMPANY AND ARE NOT TO BE COPIED OR MISUSED. NOT RESPONSIBLE BEYOND OUR OWN WORK.	
			1	ENG. FILE	HOLE SIZE	±.020	(METRIC)
			1	PURCH.	HOLE PATTERN	±1/32	(CODE VESSEL)
			1	INV.	FRACTIONAL	±1/16	ø14" OIL HEATER
			1	INV.	FLANGE ⊥ TO AXIS	±1/16	ASSEMBLY
			3	SHOP	FLG. HLS. STRADDLE	±1/16	DWG. NO.
REVISION	BY	DATE	PRINTS ISSUED	PIECE AND WELDMENT TOLERANCE	BY	U1628-112	