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Canada M8X 2X4
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Fax: 416.231.1626
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www.tssa.org

January 09, 2012

MATT MCNAMARA
ARMSTRONG INTERNATIONAL
816 MAPLE ST
THREE RIVERS MI 49093
US

Service Request Type.: BPV-National AB
Service Request No.: 684728
Your Reference No.: CAT H FITTING- PUMP TRAP

Dear MATT MCNAMARA,

Please find enclosed the original response from AB, registered under the CRN No.: 0H14859.52.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly. However, once your design has been successfully registered in all of the requested jurisdictions, you may receive an invoice from TSSA for any outstanding jurisdictional fees.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : TCooper@tssa.org

December 05, 2011

Farhiya Noor
TECHNICAL STANDARDS & SAFETY AUTHORITY
3300 BLOOR STREET WEST
14 FLOOR CENTRE TOWER
TORONTO, ON M8X 2X4

Dear Farhiya Noor,

The design submission, tracking number 2011-07402, originally received on November 14, 2011 was surveyed and accepted for registration as follows:

CRN :	0H14859.52	Accepted on:	December 05, 2011
Reg Type :	New Design	Expiry Date:	October 28, 2021
Drawing No. :	PT-3508/3512 Rev A As Noted		
Fitting Desc:	PUMP TRAP		

Design registered in the name of : ARMSTRONG INTERNATIONAL INC.

Description	MAWP	Design Temperature	MDMT
Internal Pressure	689 kPa	208 ^o C	-29 ^o C

The registration is conditional on your compliance with the following notes:

This registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

- Registered with the understanding that the MAWP is 100 psig at -20/406F.
- Bolting materials are SA-449.
- When constructed from A48-CL30, this design shall not be used above ground within units in hydrocarbon or other flammable fluid service, at temperatures greater than 400F.
- The drawing shall be revised in accordance with the above notes.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

Sincerely,



STERLING, CAMERON, P. Eng.
Design Survey Engineer



STATUTORY DECLARATION
Registration of Fittings

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



I, Andy Schirk,

Quality Assurance Manager

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Armstrong International Inc

(name of manufacturer)

located at 816 Maple St, Three Rivers, MI 49093

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

comply with the requirements of ASME B31.3 which specifies the dimensions, (title of recognized North American Standard)

materials of construction, pressure/temperature ratings and identification marking of the fittings, or

are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, HSB Resgistration Services as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are PT-3500

In support of this application, the following information, calculations and/or test data are attached:

cdf1041 assembly, fh1616 body machined, fh1617 body rough, burst test calculation, tensile test report, burst test report

DECLARED before me at Three Rivers, MI in the County of St. Joseph

this 1st day of August, 2011

(print) ROBERTA M. RYAN (Month) (Year)
Notary Public, St. Joseph County, MI
My Commission Expires Sept. 13, 2011

(sign) Roberta M. Ryan
(A Commissioner for Oaths)

Andy Schirk
(Signature of Applicant)



For Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act, B51, Clause 4.2, and is accepted for registration in Category H-PUMP TRAP

Registration Number: 0414859.52

[Signature]

(For the Administrator/Chief Inspector of Alberta)

Date Registered: 05 DEC 2011

Expiry Date: 20 Oct 2021

0H14859.52

DIMENSIONS & DATA CERTIFIED FOR:

Representative:

Order:

Customer:

Order:

Project:

Requirements:



SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS

REGISTRATION NO. 0H14859.52

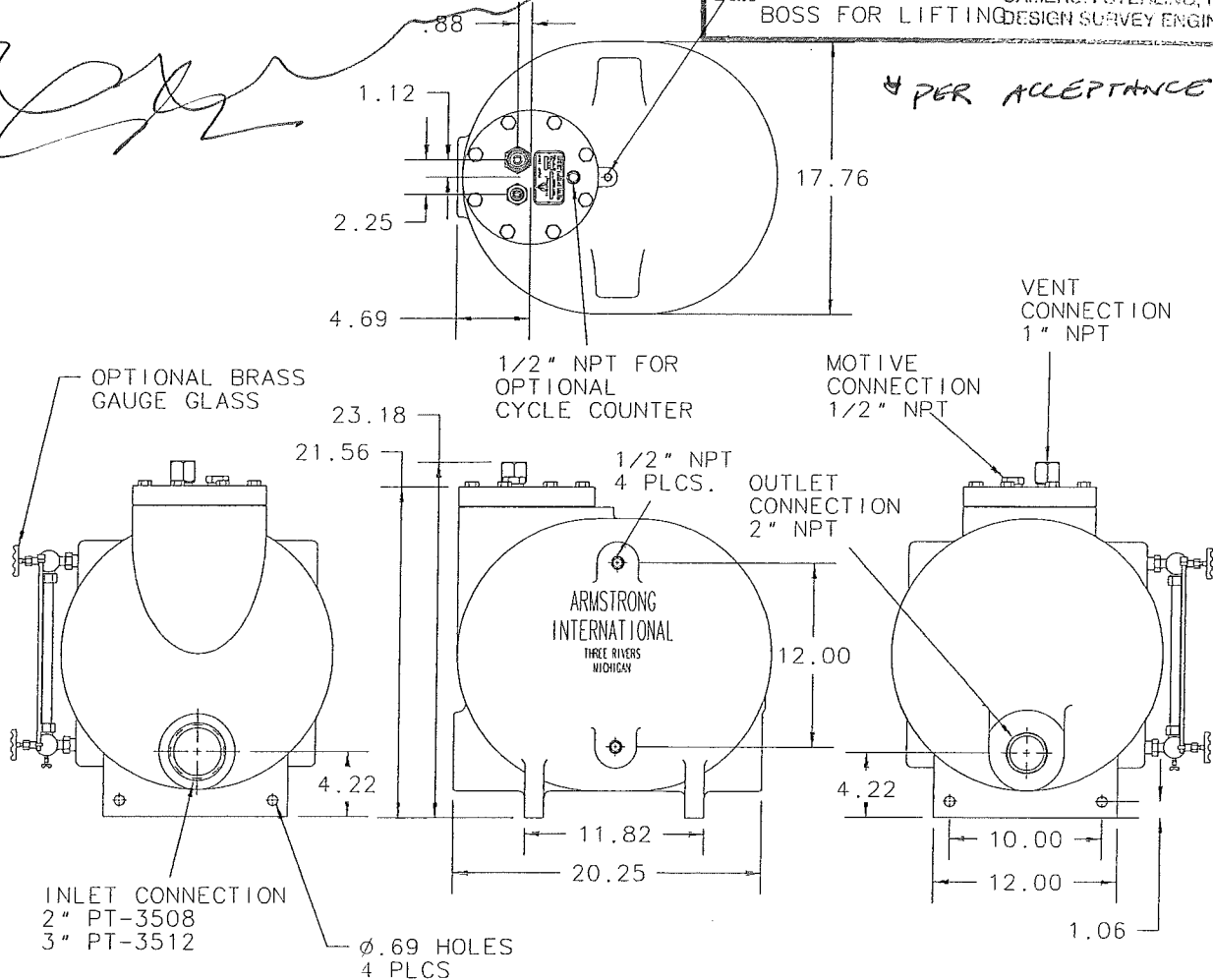
DWG. NO. or CAT. NO. PT-3508/3512 REVA
By: _____ Date: _____

TYPE OF FITTINGS PUMP TRAP

05DEC '11 INITIALS [Signature]

Date 1/2-13 THREADED CAMERON STEELING, P.Eng.
BOSS FOR LIFT IN DESIGN SURVEY ENGINEER

*MANP = 100 PSIG @ 406°F
MOMT = 70°F*



PER ACCEPTANCE LTR

(OVER)

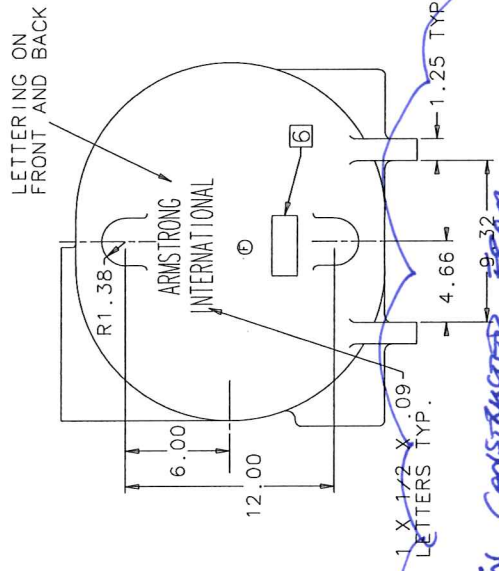
Armstrong Fluid Handling, Inc.
Three Rivers, MI. 49093
Telephone (269) 279-3601
Fax (269) 279-3150
Posted on Armstrong's homepage www.armstrong-intl.com

Product	CDF No.	Date
PUMP TRAP PT-3508/3512	CDF 1041	9/13/99
		Rev. A

DWG. NO.	MATERIAL
FH1616-1	ASTM A395
FH1616-2	ASTM A48 CLS 30

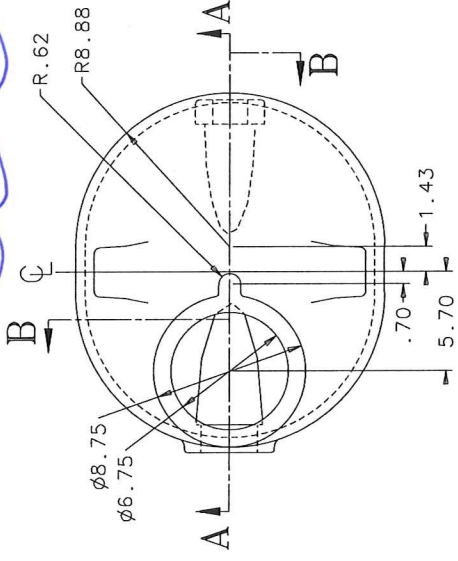
REV	DESCRIPTION	DATE	BY	DATE
A	RELEASED	FNI026	3/1/99	
B	ADDED MATERIAL TAB	FNI033	3/1/99	
C	1. WAS R1.32	FNI042	3/1/99	
D	REMOVED CORE FROM GAUGE	FNI044	3/1/99	
E	WAS 1.75	FNI065	3/1/99	
F	REMOVED WORDS THREE RIVERS MICHIGAN	CH10374	3/1/99	
		FNI092	3/1/99	

*MANWT = 100 PSIG @ 406°F
 MDMT = -20°F
 BOLTING = SA A49*

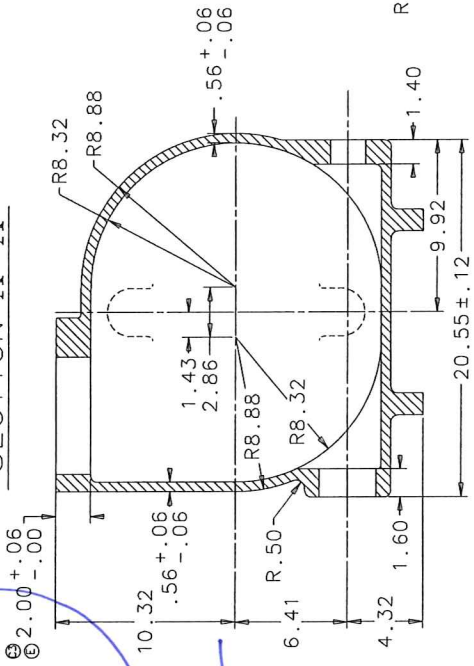


WHEN CONSTRUCTED FROM A48-CL30, SHALL NOT BE USED ABOVE GROUND WITH ANY PROCESS UNITS IN HYDROCARBON OR OTHER FLAMMABLE FLUID SERVICE AT TEMPERATURES > 400°F

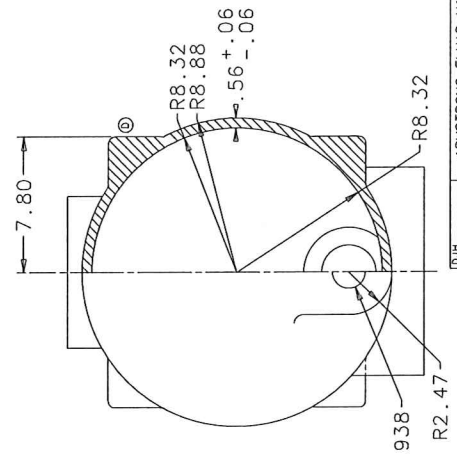
- NOTES:
- ALL CORNERS & FILLETS TO BE R.38 UNLESS OTHERWISE SPECIFIED.
 - TOLERANCE: STANDARD FOUNDRY TOLERANCES UNLESS OTHERWISE SPECIFIED.
 - MAX DRAFT: 5°
 - PATTERN NUMBER: FH1616
 - APPROXIMATE CASTING WT.: 215 LBS.
 - LOCATION OF DATE, STAMP/HEAT CODE, PATTERN NUMBER, AND FOUNDRY IDENTIFICATION.
 - CHEMICAL & PHYSICAL CERTS. REQUIRED



SECTION A-A



SECTION B-B



DATE	SCALE	DRG. NO.	REV.	BY	DATE

ARMSTRONG FLUID HANDLING
 PUMP TRAP 3 x 2
 CAST BODY RGH.
 PART NO. A-395
 SHEET 1
 TOTAL SHEETS 1
 DATE 02/28/98
 DRAWN BY FH1616

