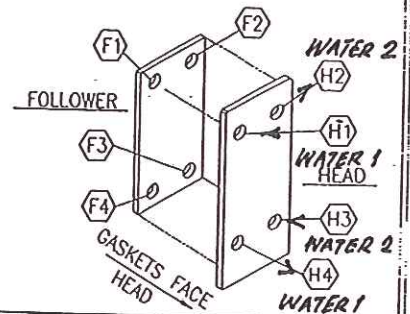
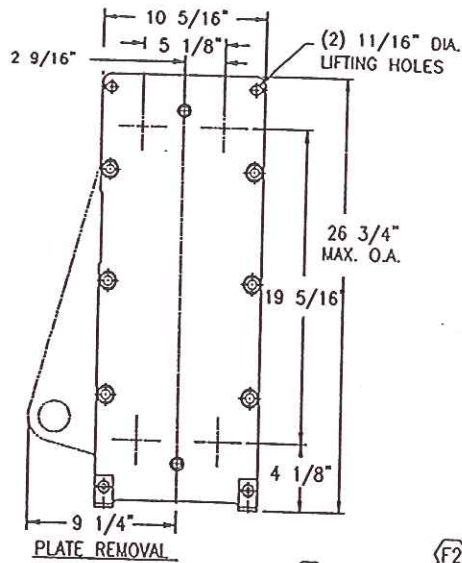
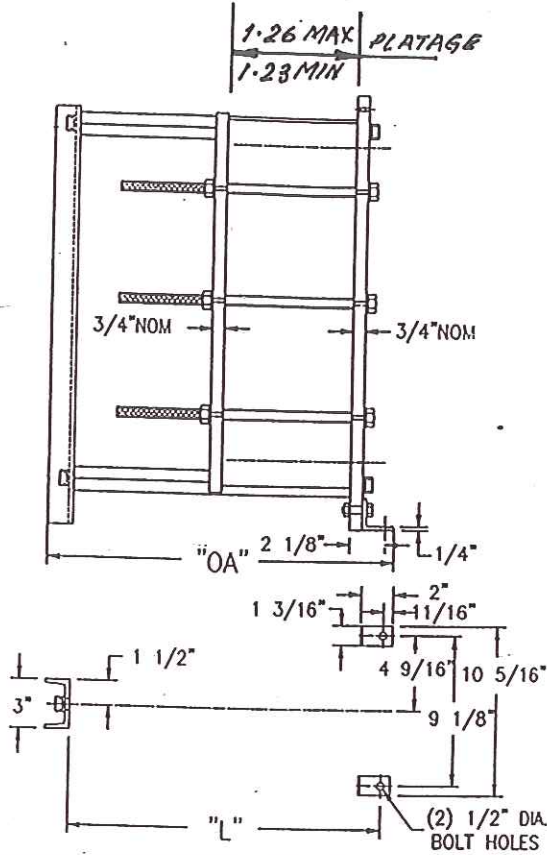
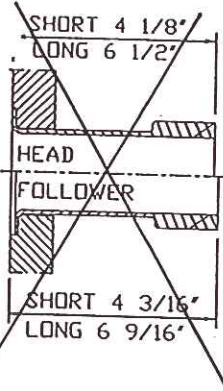


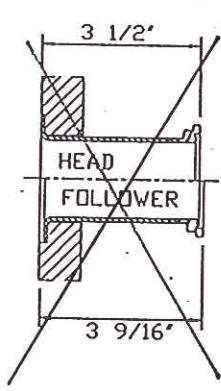
102618 & 102619



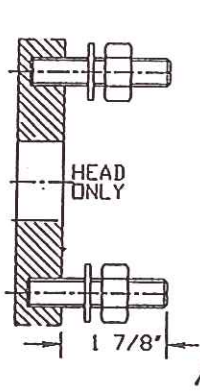
STANDARD CONNECTION TYPES: 1.5"



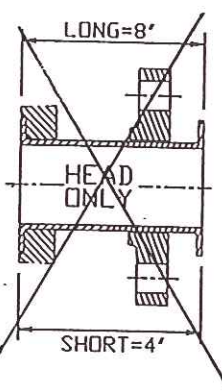
MALE PIPE  
THREAD



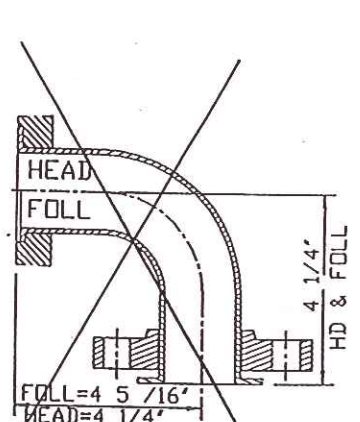
TRI-CLAMP



STUDED  
ANSI CLASS 150



LAP JOINT FLANGE  
ANSI CLASS 150



ELBOW W/L.J.FLANGE  
ANSI CLASS 150

FRAME SIZE		1	2	3
"L"(IN)		19 1/8	26 7/8	33 1/16
"OA"(IN)		21 3/16	29 1/16	35 3/16
0.6 mm PLATE CAPACITY	UNPORTED FOLLOWER	56	97	130
	PORTED FOLLOWER	41	83	115
FRAME WEIGHT (lb)		150	155	165

Project No. 4702.02  
 Lockwood Greene Engineers, Inc.  
**RECEIVED**  
 JUL 06 1998  
 FILE \_\_\_\_\_  
 ACK. mm

1. DIMENSIONS ARE SHOWN IN INCHES.
2. CONNECTION BOLT HOLES STRADDLE CENTER LINES SHOWN.
3. STANDARD TOLERANCES: FRAME AND FOUNDATION HOLES: ±1/4 INCH NOZZLE CENTERLINE AND FACE: ± 1/8 INCH

**APV**  
 APV Heat Exchangers  
 395 Fillmore Avenue  
 Tonawanda, N.Y. 14150  
 Tel: (716) 692 - 3000  
 Fax: (716) 692 - 1715

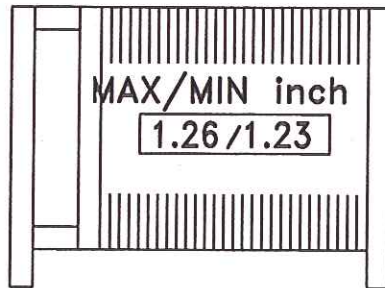
SR1 MS-11  
 150 PSIG  
 34374.1 & .2  
 EQPT #0250-32-522 & 523

CHECKED BY: <u>JCT</u>	DATE: 10/10/96
DRAWN BY: AFA	DATE: 10.9.1996
DRAWING NO.: 4.34374.0002	REV. 00



APV BAKER THERM DIVISION  
 1200 W ASH ST, GOLDSBORO, NC, USA  
 TEL. (919) 735-4570  
 FAX. (919) 731-2351

TYPE/YEAR	SR1MGS11	1998
SERIAL No.	34374.1-&-34374.2	
DRAWING No.	4.34374.0001	
	HOT SIDE	COLD SIDE
MAX. DESIGN psig	145	145
MAX. TEST psig	217.5	217.5
VOLUME USgal	0.3	0.3
DESIGN TEMP: MAX/MIN °F	300/-20	



**IMPORTANT:**  
 The instructions in the instruction manual are to be strictly observed during installation and operation.

Project No. 4707.02  
 Lockwood Greene Engineers, Inc.  
**RECEIVED**  
 JUL 06 1998  
 FILE \_\_\_\_\_  
 ACK. mm



APV Heat Transfer Technologies  
 395 Fillmore Avenue  
 Tonawanda, N.Y. 14150  
 Tel: (716) 692-3000/Fax: (716) 692-1715

Description:  
 APV STANDARD NAMEPLATE  
 FOR 34374.1 & 34374.2  
 EQPT No.s 0250-32-522 & 523

CONFIDENTIALITY NOTE: THE INFORMATION CONTAINED HEREON IS OF A CONFIDENTIAL NATURE AND IS THE PROPERTY OF APV CREPACO, INC. TONAWANDA, N.Y. USA. IT SHALL NOT BE PHOTOGRAPHED, PHOTOSTATED, OR REPRODUCED IN ANY MANNER NOR USED FOR ANY PURPOSE WHATSOEVER EXCEPT WITH WRITTEN PERMISSION OF APV CREPACO, INC. TONAWANDA, N.Y. USA.

Checked:	Date:	Work Order:	Scale:	Sheet:
		WO 34374	N.T.S.	1 of 1
Drawn:	Date:	Drawing No.:	Rev.	
<i>WAB</i>	06.20.98	4.34374.0003	00	



NAT'L. BD. \_\_\_\_\_

CERTIFIED BY  
APV HEAT TRANSFER

HOT \_\_\_\_\_ 145 \_\_\_\_\_ PSIG AT \_\_\_\_\_ 300 \_\_\_\_\_ °F  
COLD \_\_\_\_\_ 145 \_\_\_\_\_ PSIG AT \_\_\_\_\_ 300 \_\_\_\_\_ °F

MAX. ALLOWABLE WORKING PRESSURE

HOT \_\_\_\_\_ -20 \_\_\_\_\_ °F AT \_\_\_\_\_ 145 \_\_\_\_\_ PSIG  
COLD \_\_\_\_\_ -20 \_\_\_\_\_ °F AT \_\_\_\_\_ 300 \_\_\_\_\_ PSIG

MIN. DESIGN METAL TEMPERATURE

34374.1 (OR 34374.2)  
\_\_\_\_\_  
MANUFACTURER'S SERIAL NUMBER

1998  
\_\_\_\_\_  
YEAR BUILT

U-STAMP N.P.

NOTE: ALL NAMEPLATES TO  
OF GR316 STAINLESS STEEL  
MATERIAL

Project No. 4707.02  
Lockwood Greene Engineers, Inc.  
**RECEIVED**  
JUL 06 1998  
FILE \_\_\_\_\_  
ACK. MM



APV Heat Transfer Technologies  
395 Fillmore Avenue  
Tonawanda, N.Y. 14150  
Tel: (716) 692-3000/Fax: (716) 692-1715

Description:  
U STAMP NAMEPLATE  
FOR  
34374.1 & .2  
EQPT No.s 0250-32-522 & 523

CONFIDENTIALITY NOTE: THE INFORMATION CONTAINED HEREON IS OF A CONFIDENTIAL NATURE AND IS THE PROPERTY OF APV CREPAC, INC. TONAWANDA, N.Y. USA. IT SHALL NOT BE PHOTOGRAPHED, PHOTOSTATED, OR REPRODUCED IN ANY MANNER NOR USED FOR ANY PURPOSE WHATSOEVER EXCEPT WITH WRITTEN PERMISSION OF APV CREPAC, INC. TONAWANDA, N.Y. USA.

Checked:	Date:	Work Order:	Scale:	Sheet:
		WO 34374	N.T.S.	1 of 1
Drawn:	Date:	Drawing No.:	Rev.	
<i>WSS</i>	06.20.98	4.34374.0004	00	

**PRIME SET**

MATERIALS OF CONSTRUCTION		
ITEM NO.	DESCRIPTION	MATERIAL
1	HEAD	SA516 GR70
2	FOLLOWER	SA516 GR70
3	END SUPPORT	CARBON STEEL A36
4	TOP BAR	SA479 TYPE 304
5	BOTTOM BAR	SA479 TYPE 304
6	M16 DIA. TIE BAR	SA193 GRB7
7	TIE BAR HEX NUTS	SA194 GR2H
8	HEAT TRANSFER PLATES	SA240 TYPE 316

Project No. <u>4707.02</u>
Lockwood Greene Engineers, Inc.
RECEIVED
JUL 06 1998
FILE _____
ACK. <u>MAM</u>



APV Heat Transfer Technologies  
 395 Fillmore Avenue  
 Tonawanda, N.Y. 14150  
 Tel: (716) 692-3000/Fax: (716) 692-1715

Description:  
 MATERIALS OF CONSTRUCTION  
 FOR  
 34374.1 & 34374.2  
 EQPT No.s 0250-32-522 & 523

CONFIDENTIALITY NOTE: THE INFORMATION CONTAINED HEREON IS OF A CONFIDENTIAL NATURE AND IS THE PROPERTY OF APV CREPACO, INC. TONAWANDA, N.Y. USA. IT SHALL NOT BE PHOTOGRAPHED, PHOTOSTATED, OR REPRODUCED IN ANY MANNER NOR USED FOR ANY PURPOSE WHATSOEVER EXCEPT WITH WRITTEN PERMISSION OF APV CREPACO, INC. TONAWANDA, N.Y. USA.

Checked: WSH	Date: 06.20.98
Drawn: <i>W. H. Hill</i>	Date: 06.20.98

Work Order: 34374	Scale: NTS	Sheet: 1
Drawing No.: 4.34374.0005	Rev. 00	

CAD FILE: CAD-FILE

## DESIGN SPECIFICATIONS

DESIGN CODE	ASME SECTION VIII DIV 1 1995 EDITION, 1996 ADDENDA
MAX. ALLOWABLE WORKING PRESSURE	145 PSIG.
MINIMUM DESIGN METAL TEMPERATURE	-20 °F. @ 145 PSIG.
HYDROTEST PRESSURE	217.5 PSIG.
MINIMUM OPERATING TEMPERATURE	-20 °F.
MAXIMUM OPERATING TEMPERATURE	300 °F.
SERIAL NUMBER	34374.1 & 34374.2
HEAT TRANSFER AREA	6.4 SQ.FT.
FRAME SIZE	No.1
MAXIMUM FRAME CAPACITY	56 PLATES
DRY WEIGHT	160 LBS.
FLOODED (OPERATING) WEIGHT	166 LBS.
TOTAL LIQUID VOLUME	0.6 GALS.
FINISH	APV STANDARD PAINT SPEC APV 3196
ACCESSORIES SUPPLIED	

Project No. 4707.02  
 Lockwood Greene Engineers, Inc.  
**RECEIVED**  
 JUL 06 1998

FILE \_\_\_\_\_  
 ACK. mbm



**APV Heat Transfer Technologies**  
 395 Fillmore Avenue  
 Tonawanda, N.Y. 14150  
 Tel: (716) 692-3000/Fax: (716) 692-1715

**Description:**  
 DESIGN SPECIFICATIONS FOR  
 34374.1 & 34374.2  
 EQPT No.s 0250-32-522 & 523

CONFIDENTIALITY NOTE: THE INFORMATION CONTAINED HEREON IS OF A CONFIDENTIAL NATURE AND IS THE PROPERTY OF APV CREPACO, INC. TONAWANDA, N.Y. USA. IT SHALL NOT BE PHOTOGRAPHED, PHOTOSTATED, OR REPRODUCED IN ANY MANNER NOR USED FOR ANY PURPOSE WHATSOEVER EXCEPT WITH WRITTEN PERMISSION OF APV CREPACO, INC. TONAWANDA, N.Y. USA.

Checked:	Date:	Work Order: 34374	Scale: N.T.S.	Sheet: 1 of 1
Drawn: <i>WSP</i>	Date: 06.20.98	Drawing No.: 4.34374.0006		Rev. 00