



**BERGEN-PATERSON**

PIPESUPPORT CORP.

LACONIA, NEW HAMPSHIRE 03246

March 21, 1983

U.S. Nuclear Regulatory  
Commission  
611 Ryan Drive  
Region IV  
Suite 1000  
Arlington, TX 76011

Attention: Ken Harring

Subject: WM. H. Zimmer

Ref: Telecon March 21, 1983

~~VORDERBERGEN~~  
~~VORDERBERGEN~~ - CG & E

Harring - NRC

Stephens - BPPC

Dear Ken,

As per our discussion I attach the results of our purchase order review conducted on 1-1/2" Ø A-193 B7 bar stock. These certifications reflect that material which would have been supplied during the specified time frame of January, 1976 thru June, 1976.

Attached are copies of the following CMTR's.

1. Heat No. 89371 - Copperweld Specialty Steel Company  
along with Peter A. Frasse & Company  
Certificates

The above heat number was received on two (2) separate purchase orders as follows:

P.O. # C-14704 - 2,815 lbs. Heat # 89371  
P.O. # C-14035 - 211 lbs. Heat # 89371

8304190422 830414  
PDR ADDCK 05000358  
A PDR

**BERGEN-PATERSON**

PIPESUPPORT CORPORATION

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March 21, 1983

TO: U.S. NRC

ATTENTION: Ken Harring

SUBJECT: Wm. H. Zimmer

Our review of the above information was conducted at our Laconia manufacturing facility thru inventory control records. A confirmation review is being conducted thru our purchasing records at our corporate office in Woburn, MA. I will advise if any additional information is discovered.

Sincerely,

BERGEN-PATERSON PIPESUPPORT CORP.

*Robert H. Stephens*

Robert H. Stephens  
Manager of Quality Assurance

encl.

cc: J. ~~VORDEBBUEGGEN~~  
H. Noreen  
4270 File



DATE

## ANALYSIS AND TESTS CERTIFICATE

**Peter A. FRASSE & Co., Inc.**

FOUNDED 1818

NEW YORK-PHILADELPHIA-BUFFALO-SYRACUSE-HARTFORD-CAMBRIDGE-CLEVELAND

TO

*Burgess Peterson*  
*48 Wimmerquam Ave.*  
*Laconia N.H.*  
*Old Dick Manager*

DATE OF ORDER | CUSTOMER ORDER NO.

OUR INVOICE NO. | DATE OF INVOICE | BRANCH

10-14-75 C 14035

ITEM NO.	DESCRIPTION OF MATERIAL AND SPECIFICATIONS	QUANTITY SHIPPED			HEAT COLOR	HEAT NO.
		FEET	IN.	POUNDS		
	COOH 4140 Heat Treated per ASTM A143 Grade 7					
	1 1/2 OD x 10 1/2 x 12 R/L	3		211	Blue	8937
	Lot # 55000-C32					

## CHEMICAL ANALYSIS

HEAT NUMBER	CARBON	MANG.	PHOS.	SULPHUR	SILICON	NICKEL	CHROMIUM	MOLY.	TL	CB.	CO.	CU.
89371	.41	.88	.012	.025	.29		.97	.18				

## MECHANICAL PROPERTIES

TENSILE STRENGTH 18" SQ. INCH	YIELD 18" SQ. INCH	ELONGATION 2" GAGE	REDUCTION AREA %	HARDNESS TEST	BRINELL	SHARD TEST	TEMP. SIZE	HARDEN RESULTS	TOWING
131,000	116,500	20	62.3	285			6-8		

Mell Copperweld

Mell TIR attached

The above tests conform to the requirements of the specifications listed

Leonard W. Rowley

a Notary Public.

do hereby certify that this affidavit was subscribed and sworn to be-  
 fore me by a duly authorized agent of Peter A. Frasse & Co., Inc.  
 this 3RD day of NOVEMBER 1975

Notary Public

October 24, 1975

My commission expires

We hereby certify that the above data is a true copy of data furnished  
 us by the producer or data resulting from tests performed by the producer  
 or in approved laboratories.

SIGNED

FOR

PETER A. FRASSE &amp; CO., INC.

SUBJECT TO SELLER'S TERMS OF WARRANTY STATED ON REVERSE SIDE HEREOF



DUPLICATE

## ANALYSIS AND TESTS CERTIFICATE.

**Peter A. FRASSE & Co., Inc.**

FOUNDED 1816

NEW YORK-PHILADELPHIA-BUFFALO-SYRACUSE-HARTFORD-CAMBRIDGE-CLEVELAND

TO **Bergen Paterson**  
**18 Hurley Street**  
**Cambridge, MA 02141**  
**ATT Don SHAW**

DATE OF ORDER | CUSTOMER ORDER NO.

1/20/76 C14704

| OUR INVOICE NO. | DATE OF INVOICE | BRANCH

609948 2-3-76 6

ITEM NO.	DESCRIPTION OF MATERIAL AND SPECIFICATIONS	QUANTITY SHIPPED				HEAT COLOR	HEAT NO
		FEET	IN.	POLUNDS			
1	CDOH Heat Treated 4140 ASTM A 193 GR B7 1-1/2 Dia X 10/12 ft R/L	40		2815		Blue	893
2	1 in Dia X 10/12 ft R/L	20		636		Blue	348

CHEMICAL ANALYSIS											
ITEM	HEAT NUMBER	CARBON	MANG.	PHOS.	SULPHUR	SILICON	NICKEL	CHROMIUM	MOLY.	TL	CB
1	89371	.41	.88	.012	.025	.29		.97	.18		
2	34807	.42	.90	.012	.025	.29		.98	.18		

MECHANICAL PROPERTIES											
ITEM	TENSILE STRENGTH 1ST 10 INCH	YIELD 1ST 10 INCH	ELONGATION 2 INCH	REDUCTION OF AREA	HARDNESS HRC	HARDNESS VICKERS	BRINELL	CHARPY	IMPACT	TEMP.	NOTES
1	131,000	116,500	20	62.3	280			6-8			1-8
2	138,500	125,000	22	58.6		28/28		7-8			12-4

Item 1 Copperweld

Mill T/R's Attached

The above tests conform to the requirements of the specifications listed

I, **Leonard W. Rowley**, a Notary Public,  
do hereby certify that this affidavit was subscribed and sworn to be-  
fore me by a duly authorized agent of Peter A. Frasse & Co., Inc.  
this \_\_\_\_\_ day of \_\_\_\_\_

Notary Public

My commission expires **October 24, 1930**

FORM 68-1, 28 JAN 2/78

We hereby certify that the above data is a true copy of data furnished  
us by the producer or data resulting from tests performed by the producer  
or in approved laboratories.

SIGNED

FOR

PETER A. FRASSE &amp; CO., INC.

SUBJECT TO SELLER'S TERMS OF WARRANTY STATED ON REVERSE SIDE HEREOF

INVOICE NO. 00775 NY	CUSTOMER'S PURCHASE ORDER NUMBER XS 70914	DATE ORDERED 022575	ITEM 1 of 1	DATE WANTED SEPT 1975	SHIPPING FILE WEEK OF 9/7/75	135160
TERMS OF PAYMENT NBP	PRICE IN EFFECT AT TIME OF ORDER	10 DAYS NET 30 DAYS				
STEEL BARS		X		OPEN TOP TRKS - TARPED		

SOLD TO: PETER A FRASSE & CO INC  
THREE DAKOTA DRIVE  
LAKE SUCCESS, NEW YORK 11040

SHIP TO: (SAME AS "SOLD TO" UNLESS OTHERWISE NOTED)  
PETER A FRASSE & CO INC  
2060 ENTERPRISE PARKWAY  
TWINSBURG, OHIO 44087

1562 P.O. # C14704

QTY 6,000	SIZE AND SHAPE 1 1/2" Ø	STD. 000 006	PURPOSE MACHINING	CUSTOMER'S FIRST OPERATION
LENGTH 12/10"	SHORTS	MULTS	STD.	LENGTH TOLERANCE PLUS MINUS
CONDITION HT CD SR EXT TEST	(26)	PART 002840	SPECIFICATION NO. PAF 101-07 AND ASTM-A-193 GR 87	
GRADE FINE	HARDNESS AIM 269/321 BHN	STRAIGHTNESS	INSPECTION	
SHOW "HT CD"		MEETS REQUIREMENTS OF A193-73 BY TIME		
5000# MAX OVRHD CRANE UNLD		PAINT & MARK BOTH ENDS BAR YELLOW WITH RED STRIPE AROUND BDLs		

**COPPERWELD**  
SPECIALTY STEEL COMPANY  
P.O. BOX 351 / WARREN, OHIO 44422

(CORRECTED COPY 10/24/75)  
**TEST REPORT**

ORDER NUMBER	
CUSTOMER	COPPERWELD
	35160

GRADE 4140 DH	CODE	SPEC'N / PRODUCT DESCRIPTION	DATE 9/23/75
HEAT NO. 89371	C ✓ Mn ✓ P ✓ S ✓ Si ✓ Ni Cr ✓ Mo ✓ Cu Pb Al		GRA 512 6-
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 20 24 28 32 36		
	58 58 57 56 55 54 54 51 48 47 44 42 40 39 38 38		
TENSILE PSI 131,000	YIELD PSI 116,500	OFFSET % .2	ELONG. % 20.0
		R.A. % 62.3	
HARDNESS* 285		OTHER DATA	
		DOCUMENT REVIEWED Temper - 1100	
		FEB 12'76 L- 940	
		APPC	

THIS CERTIFICATE NOTARIZED WHEN REQUIRED

I, \_\_\_\_\_, a Notary Public do hereby certify that this affidavit was subscribed and sworn to before me by a duly authorized representative of Copperweld Specialty Steel Company.

this \_\_\_\_\_ day of \_\_\_\_\_

80 - 10/29/75

We hereby certify that the above data are correct as contained in the records of Copperweld Specialty Steel Company.

*John [Signature]*