CONFIDENTIAL

PIRELLI

Travel Documents

7500 A DFLX 02

Contract No. 6499152
Customer. Lawrence Berkeley National Laboratory

- Materials Specifications
  - Copper
  - HTS Material
  - Bellows
  - Stainless Steel Tubes

- Factory test reports
  - Pressure test
  - Leak test
  - Voltage test
  - Instrumentation checks
  - Cryogenic envelope vacuum tightness certificate

- Routing
  - Signed copies of routings where appropriate.

PIRELLI

Please sign off all procedures immediately after completion

Contract No. **6499152**
Customer Lawrence Berkeley National Laboratory

Current Lead ID	7500 A DFLX 02 Pirelli Cables Ltd, UK LHC-DFLX-CA-0001 30 / 11 / 2002

Description.	Procedure No.	Iss.	Operator	Signature	Date	Comments
Assemble Resistive Assy	LBNL-Sub A	1	BRIAN JAMES	B James	11-11-02	
Assemble HTS Board Assy	LBNL-Sub H1	1	ARTHUR NICHOLLS	[illegible]	11-11-02	
Assemble HTS Assy	LBNL-Sub H2	2	ARTHUR NICHOLLS	[illegible]	11-11-02	
Solder Resistive Assy – Station 2	LBNL-Sub B	1	BRIAN JAMES	B James	12-11-02	
Solder Termination Assy – LBNL-Sub B	LBNL-Sub C	1	ERIC LIGHTFOOT	E Lightfoot	14-11-02	
Insert Lead Through Assembly	LBNL-Sub C1	1	ERIC LIGHTFOOT	E Lightfoot	14-11-02	
Instrumentation Wiring (Resistive Assembly)	LBNL-Sub C2	1	DAVID ATHERTON	D [illegible]	15/11/02	
Wrap Resistive Assy with Fibreglass	LBNL-Sub C3	1	ANTHONY WILLIAMS	A Williams	18/11/02	
Instrumentation Wiring RTD's	LBNL-Sub C4	1	DAVID ATHERTON	D [illegible]	[illegible]/11/02	
Insert / wire Termination Heater	LBNL-Sub C5	1	N/A	N/A	N/A	

PIRELLI

Solder Rutherford Cables to Station 1	LBNL-Sub D	1	MICHAEL NAVIN	M Navin	11/11/02	
Solder LBNL-Sub D to HTS Assy (LBNL-Sub H1)	LBNL-Sub D1	1	MICHAEL NAVIN	M Navin	11/11/02	
Assemble LIA Insulator	LBNL-SubCE1	1	ANTHONY WILLIAMS	A Williams	4/11/02	
Attach Cryogenic Envelope to LBNL-Sub C5	LBNL-Sub E	1	NEV BROWN	[illegible]	27/11/02	
Solder LBNL-Sub D1 to LBNL-Sub E	LBNL-Sub E1	1	R.N. EATON	RN Eaton	21/11/02	
Instrumentation Wiring (HTS Assembly)	LBNL-Sub E2	1	D Spiller	DMSpiller	28/11/02	
Insert Top Hat	LBNL-Sub F	1	D Spiller	[illegible]	28/11/02	
Pressure Test / He Leak Test	LBNL-Test S Draft-1	1	G ANDERSON	Gwen Anderson	29/11/02	FLANGE NO 32
Voltage Test	LBNL-Test T Draft-1	1	G ANDERSON	Gwen Anderson	29/11/02	
Instrumentation Check	LBNL-Test U Draft-1	1	D Spiller	DMSpiller	29/11/02	

PIRELLI

Factory Tests Certificate of Conformity

The results shown below were correct at the time of printing.

Contract No. **6499152**
Customer **Lawrence Berkeley National Laboratory**

Lead ID: ***7500 A DFLX P1***
Pirelli Cables Ltd, UK
LHC-DFLX-CA-0001
26/ 10 / 2001

	Specification No.	Item	Spec.	Measured (If applicable)	Sign	Date	Comments
1	#M923B	Dimensional Conformity to Engineering Drawings					
		Top Flange to LBNL seal	560-562mm				
		Seal Flange OD	130 mm				
		HTS to LBNL Seal	455 mm				
	#M923B (3.9)	Pressure test with N_2 gas using LBNL supplied chamber	3.4 bar (gauge)	✓	GA	29/11/02	
	#M923B (3.9)	Leak Check with He gas	$< 1 \times 10^{-8}$ (Torr.l.s^{-1})	✓	GA	29/11/02	
	#M923B (3.3)	Voltage test using LBNL supplied chamber	< 50μA	< 25A	GA	29/11/02	
	#M923B (3.15)	Instrumentation Check	✓	—	DMS	29/11/02	
		Voltage taps (1)	✓	—	DMS	"	
		Voltage Taps (2)	✓	—	DMS	"	
		Temperature sensors	✓	—	DMS	"	
		LTS Cable	LBNL				
		Copper Cable	LBNL	N/A	N/A	N/A	

DELIVERY NOTE	587
TAX DATE	26/11/2002
CUSTOMER ORDER NO	4500134280
ACCOUNT NO	PI68010
OUR REFERENCE NO	VIO7992

Vacweld

Vacweld Limited
Folgate House
Folgate Road, North Walsham
Norfolk NR28 0AJ
England

Tel: (01692) 500000 Fax: (01692) 500188
(International code: +44 1692)

Email: sales@vacweld.co.uk
Website: www.vacweld.co.uk

Vat Reg. No. GB 632 5863 32

PIRELLI CABLES LTD
PO BOX 4
HALL LANE
PRESCOT
MERSEYSIDE
L34 5UR

Remittance Instructions: The amount payable under this invoice has been purchased by Metropolitan Factors Ltd to whom you are hereby authorised and required to make payment at 33 Boltro Road, Haywards Heath, West Sussex, RH16 1BS and whose receipt alone shall be a good discharge for payment of the sum due. Payment to any other party shall not discharge your indebtedness. This authority is irrevocable without the consent of Metropolitan Factors Limited.

Qty Despatched	Product Code	Product Description	To Follow
8.00	S1	CRYOGENIC ENVELOPE	0.00

INSPECTED &
LEAK CHECKED
SIG. Shacher

40206

PASSING OF TITLE: The Buyer shall not acquire any title to the goods and no ownership of the goods shall pass to the Buyer until full payment of invoice price. Until full payment of purchase price the buyer shall hold the goods as bailee on behalf of the company and shall have no authority to pass title to any third party without the consent of the company.

3-10

TERMS OF PAYMENT STRICTLY NET 30 DAYS UNLESS OTHERWISE STATED

Certificate of Conformity TC006110/5

issued by

Brockington & Scott Ltd.

Teilo Works, Pontarddulais, Swansea, SA4 8RP, UK
Telephone : **44 (0)1792 882591 Fax : **44 (0)1792 885843

Customer : Pirelli Cables Limited Pirelli Components Division PO Box 4 Hall Lane Prescot L34 5UR	Customer's Order N° : 4500126265
We certify that the undermentioned items have been pressure tested, and inspected for leaks. We further certify that the materials used in the production of the bellows pieces were released, and are traceable to material certification to 3.1.B. No deviation has been made from our approved design drawings and / or our quality plan except as follows..... Dimensional Checks.....	NO LEAKS OR DISTORTIONS AT 0.5 BAR PRESSURE. NONE. 365339 CORRECT.

DESCRIPTION OF SUPPLIES

Our drawing N°.	Customer Ref :	Batch N°.	Order Qty :	Despatch Qty :
M52211 issue 1	60NB Conset	B000329	10	10

For Brockington & Scott Limited

J.Ellis
16 August 2002

Inspection Stamp

BS 6

Certificate of Conformity TC006110/1

issued by

Brockington & Scott Ltd.

Teilo Works, Pontarddulais, Swansea, SA4 8RP, UK
Telephone : **44 (0)1792 882591 Fax : **44 (0)1792 885843

Customer : Pirelli Cables Limited Pirelli Components Division PO Box 4 Hall Lane Prescot L34 5UR	Customer's Order N° : 4500126265
We certify that the undermentioned items have been pressure tested, and inspected for leaks. We further certify that the materials used in the production of the bellows pieces were released, and are traceable to material certification to 3.1.B. No deviation has been made from our approved design drawings and / or our quality plan except as follows..... Dimensional Checks.....	NO LEAKS OR DISTORTIONS AT 0.5 BAR PRESSURE. 365338 NONE. CORRECT.

DESCRIPTION OF SUPPLIES

Our drawing N°.	Customer Ref :	Batch N°.	Order Qty :	Despatch Qty :
M52212 issue 1	80NB Conset	B000325	10	10

For Brockington & Scott Limited

J.Ellis
16 August 2002

Inspection Stamp

BS 6

VARIAN

Varian Vacuum Technolgies
Varian S.p.A.
Via F.lli Varian, 54
10040 Leinì (Torino)Italy

Phone: +39-011-9979-111
Fax: +39-011-9979-350
www.varianinc.com

Date September 17, 2002

CERTIFICATO DI CONFORMITA'
AFFIDAVIT OF COMPLIANCE
TEST REPORT

Si certifica che il seguente materiale:
We certify that the following material:

Part number and description Numero di parte e descrizione	Order Ordine	Delivery Prelievo	Quantity Quantità
FG0275CI GASKET,CU,FOR 2.75"CFF,10/PK	**318393991**	**310907508**	8
F06000000NC4 FLANGE,CF,6.00"X0.00",NR,CBH,304L SST	**318393991**	**310902929**	20
F06000000NC4 FLANGE,CF,6.00"X0.00",NR,CBH,304L SST	**318393991**	**310908849**	20
FG0600CI GASKET,CU,FOR 6.0"CFF,10/PK	**318393991**	**31090758**	3
F06000000RM4 FLANGE,CF,6.00"X0.00",ROT,M8,TAP	**318393991**	**310917050**	20
F06000000RM4 FLANGE,CF,6.00"X0.00",ROT,M8,TAP	**318393991**	**310917050**	20

PURCHASE ORDER REF. 4500126836

E' stato costruito secondo la norme applicabili, incluse le norme ISO 9001, ed è conforme a quanto richiesto dall'ordine d'acquisto e dalle nome e/o disegni da questo ordine citati. Le informazioni relative sono a disposizione per eventuali ispezioni.

Was manufactured in accordance with applicable specification, ISO 9001 norms included, and is in conformance with the requirements, specifications and drawing applicable to that purchase order. Test report may be examined upon request.

Firma
Authorized-Signature

CLEANING PROCEDURE FOR STAINLESS STEEL COMPONENTS USED IN ULTRA HIGH VACUUM APPLICATIONS

PRE-WELDING CLEANING:

- REMOVE EXCESS GREASE AND OIL FROM COMPONENT USING PAPER OR CLOTH WIPERS, TAKING EXTRA CARE TO ENSURE HOLES ARE CLEAR OF CUTTING OIL, GREASE AND SWARF
- ULTRASONIC IN HOT DECON 90 OR SIMILAR DEGREASANT FOR 30 MINUTES
- RINSE ITEM IN HOT RUNNING WATER TO REMOVE DEGREASANT
- BLOW OFF EXCESS WATER WITH OXYGEN FREE NITROGEN
- ULTRASONIC IN FERROTONE SOLUTION FOR 30 MINUTES
- RINSE UNDER COLD RUNNING WATER TO REMOVE FERROTONE
- BLOW OFF WITH OXYGEN FREE NITROGEN
- ULTRASONIC IN DE-IONISED WATER FOR 10 MINUTES
- BLOW OFF WITH OXYGEN FREE NITROGEN
- OVEN DRY AT 90 – 120 DEG C FOR 30 MINUTES

WELDING:

- WIPE AREA TO BE WELDED WITH ISO PROPONOL OR SIMILAR, USING A LINT FREE TISSUE
- ENSURE A GOOD ARGON PURGED SYSTEM DURING THE WELD PROCEDURE

CLEANING PROCEDURE CONTINUED

POST- WELDING CLEANING:

- SCOTCHBRIGHT MANUALLY TO REMOVE WELD BURN, POLARIS POWDER CAN BE USED TO AID BURN REMOVAL
- ULTRASONIC IN HOT DECON 90 OR SIMILAR FOR 30 MINUTES
- RINSE OFF EXCESS UNDER HOT RUNNING WATER
- BLOW OFF USING OXYGEN FREE NITROGEN
- ULTRASONIC IN BOILING DE-IONISED WATER FOR 30 MINUTES
- BLOW OFF USING OXYGEN FREE NITROGEN
- OVEN DRY AT 90 – 120 DEG C FOR 12 HOURS

PACKAGING

- HANDLE WITH CARE USING LINT FREE & DUST FREE GLOVES
- COVER ALL FLANGE FACES WITH TIN FOIL
- PROTECT FLANGE USING A SUITABLE CAP
- PLACE ITEM IN 2 PLATIC BAGS AND HEAT SEAL
- EACH ITEM MUST BE CLEARLY MARKED ON THE OUTSIDE WITH THE FOLLOWING:

  A: UHV CLEAN COMPONENTS HANDLE WITH CARE AND GLOVES

  B: DRAWING NUMBER

  C: ISSUE NUMBER

  D: ORDER NUMBER

CERTIFICATE OF CONFORMANCE

SHIPPED FROM: TC LTD.,
UNITS 1-6 BRIMINGTON ROAD NORTH
WHITTINGTON MOOR, CHESTERFIELD
DERBYSHIRE, S41 9BD, ENGLAND.

SALES OFFICE: TC LTD., PO BOX 130, UXBRIDGE, UB8 2YS, ENGLAND.
FAX: 01895 273540 TELEPHONE: 01895 252222
E MAIL: sales@tc.co.uk WEB SITE: http://www.tc.co.uk
Registered in England No.1125377 VAT No. GB 223 7880 55

:

LI CABLES LTD /P574-01
58, COMPONENTS DIVISION
LANE
OTT
YSIDE L34 5UR

OUR REFERENCE
56394

YOUR ORDER NUMBER
4500126405

ACCOUNT NUMBER	DESPATCH NUMBER	DESPATCH DATE
/P574-01	D/ 56394	21- 8-02.

DATE ORDER RECEIVED	ESTIMATED SHIP DATE	ORDER ANALYSIS DATA
10/07/02	21/08/02	TH

PRODUCT CODE	DESCRIPTION	QUANTITY	UNITS	REMARKS
	RTD ASSEMBLY TYPE 15 16-1-3.0-4-25-CE2A-R100-A-2 MTRS RK17	30	EACH	
	DESPATCH ON AND NOT BEFORE 21/8/02 VIA OVERNIGHT CARRIER			
	CUSTOMER CONTACT IS DARREN SPILLER YOUR CONTACT AT TC IS TOM HALL-JONES			
	PACKING,CARRIAGE & INSURANCE	1	LOT	
	E&OE			

We certify that the goods supplied against this certificate of conformance have been inspected and tested in accordance with our normal test procedures and fully comply with the description shown, our published specification and the relevant British Standards, details of which are available on request.

Customer Agreed Concession Reference (if applicable) NONE

Inspector's Signature f Th TC 9

Date 21-8-02

shortage must be reported in writing, or by fax within 7 days of receipt of
s intending to return goods to us (for any reason what-so-ever) must first
en agreement with instructions as to which factory site the goods are to be
accept no liability for shortage, damage or non-receipt, in any way, for goods

FORM TC2

Ceramaseal
A division of CeramTec
1033 State Route 20
New Lebanon, NY 12125

To: ***PIRELLI CABLES LTD.***

This is to certify that ***8*** pieces of Ceramaseal part number ***4511-02-CF***, your part number ***NA***; shipped against your purchase order number ***4500126247***, on ***8/30/02***, met all applicable requirements of current specifications, drawings and exceptions listed on the above purchase order and that appropriate test results are on file. Shipped on Ceramaseal sales order number ***62361***. Manufactured on Ceramaseal work order number ***101764***.

Jean L. Hoffman — Company Official

Quality Technician — Title

Tel: 518-794-7800 • 800-752-SEAL

Fax: 518-794-8080 • www.ceramaseal.com

Vacweld

Vacweld Ltd
Folgate House, Folgate Road,
North Walsham, Norfolk, NR28 0AJ, England.
Tel: (01692) 500000 Fax: (01692) 500188
Email:sales@vacweld.co.uk
Web Site: www.vacweld.co.uk

CERTIFICATION OF LEAK TEST

ORDER NO: 4500133041

ADVICE NOTE NO: 000000518

QTY: 40 **CONCESSIONS:** -

PART/DRAWING NO: UBNL70Z **ISSUE:** 2

DESCRIPTION: REDUCER ASSY

SERIAL NO: -

VALVE NO: -

CALIBRATED LEAK RATE: Within 1 x 10^{-11} mbar l/s

LEAK CHECKED/VACUUM BAKED BY: Mr. D HARBOUR

POSITION: DIRECTOR **DATE:** 17th OCTOBER 2002

PRINT NAME: D HARBOUR **SIGNED:**

Specialist welding and instrument-making for science and industry

Bodycote Group

Member of Bodycote International Plc

TEST CERTIFICATE/ADVICE NOTE
CERTIFICATE OF CONFORMITY
APPROVED CERTIFICATE

Delete as appropriate

FROM: BODYCOTE HEAT TREATMENTS LTD.
"TNNY INDUSTRIAL ESTATE
ITERBEACH
CAMBRIDGE
CB5 9QR

VAT No.: GB 593 6330 22 TEL: 01223 860741
FAX No.: 01223 863498

CE ADDRESS

ELLI CABLES LIMITED
PONENTS DIVISION
BOX 4, HALL LANE,
SCOT, MERSEYSIDE.
5UR.

DELIVERY ADDRESS

PIRELLI CABLES LIMITED
COMPONENTS DIVISION
PO BOX 4, HALL LANE,
PRESCOT, MERSEYSIDE.
L34 5UR.

SERIAL NUMBER 0442709 PAGE: 1 DATE: 01/07/02
ORDER ENTRY DATE: 29/06/02

TRANSPORT DETAILS :
WORKS ORDER No. : ANC
INCOMING ORDER No. : 03730074
INCOMING CERT No. : 4500134279
MATERIAL SPEC/ISSUE No. : COPPER

JOB No.	DESCRIPTION	UNIT	QUANTITY
6500	Part No. . TRANSPORT CHARGES	LOAD ITEMS	1.000 1.000
0080	LOWER SEAL ASSY Part No. ULINE-69 VACUUM BRAZE TO OUR DATA CARD 080W Iss. 02 BRAZE N50 REQ. No. 10786431	EACH ITEMS	10.000 10.000

urnace Chge 4/8501

Helium Leak checked – Acceptable.

14-11-02 M 75

CERTIFICATE DECLARATION

Certified that the whole of the supplies/materials detailed hereon have been processed, inspected, tested and – unless otherwise stated – conform in all respects with the requirements of the contract, order or specifications.
The quality control arrangements adopted in respect of these supplies/materials have accorded with the conditions applicable to the following approvals:

BS EN ISO 9002 APPROVAL NO:005196

Certified that unless otherwise stated above, the whole of the above mentioned materials and/or parts have been processed and inspected in accordance with the terms of the contract/order applicable thereto and conform fully to the standards/specification quoted hereon and the requirements of the Civil Aviation Authority.

For and on behalf of:

BODYCOTE HEAT TREATMENTS LTD.

Signed: M

Insp. Stamp 75

ANDAFF
GINEERING
PAPERMILL ROAD,
CARDIFF. CF11 8PH UK
TEL: 029 2083 8300
FAX: 029 2056 5125
FAX: 029 2056 3523
eb Site : WWW.LLANDAFF.COM

LLANDAFF ENGINEERING COMPANY LTD REGISTERED NUMBER 798334 LONDON VAT NUMBER 153367277

Certificate Of Conformity

Our VAT reg

Delivery no
28042

Account code
BICC00184

Delivery date
9/20/02

iver to
Pirelli Cables Components Unit
PLANT 58, COMPONENTS DIVISION
PIRELLI CABLES LIMITED
HALL LANE
PRESCOTT, MERSEYSIDE
L34 5UR

Invoice to
Pirelli Cables Components Unit
PO Box 4
Hall Lane
Prescot
Merseyside
L34 5UR

Part no	Your part no	Your order no	Qty ordered	Qty balance	Qty despatched
PICALBNL42 6" CONFLAT FLANGE TO DRG. LBNL42 Complete Order Item		4500131111 **UOM** : EACH **Our order** : 10223/1	20.000	0.000	20.000

DELIVERED BY PARCELINE

Signature

The above items have been manufactured using Llandaff Engineering's Quality Management system's accredited to BS.EN.ISO 9002 (1994) and unless stated comply in all respects to your requirements.

ANDAFF
GINEERING
PAPERMILL ROAD,
CARDIFF. CF11 8PH UK
TEL: 029 2083 8300
FAX: 029 2056 5125
FAX: 029 2056 3523
Site : WWW.LLANDAFF.COM

LLANDAFF ENGINEERING COMPANY LTD. REGISTERED NUMBER 793364 LONDON VAT NUMBER 13436/277

Certificate Of Conformity

Our VAT reg

Delivery no
28032

Account code
BICC00184

Delivery date
19/09/2002

ver to
Pirelli Cables Components Unit
PLANT 58, COMPONENTS DIVISION
PIRELLI CABLES LIMITED
HALL LANE
PRESCOTT, MERSEYSIDE
L34 5UR

Invoice to
Pirelli Cables Components Unit
PO Box 4
Hall Lane
Prescot
Merseyside
L34 5UR

Part no	Your part no	Your order no	Qty ordered	Qty balance	Qty despatched
PICALBNL137 SUPPORT ROD OUTER TO DRG. LBNL137 Complete Order Item		4500126409 UOM : EACH Our order : 10091/4	160.000	0.000	160.000
PICALBNL13 STATION 2 SEALING RING TO DRG. LBNL13 Complete Order Item		4500126409 UOM : EACH Our order : 10091/15	40.000	0.000	40.000
PICALBNL35 LIA INSULATOR FLANGE TO DRG. LBNL35 Complete Order Item		4500126409 UOM : EACH Our order : 10091/17	40.000	0.000	40.000

DELIVERED BY PARCELINE

Signature

The above items have been manufactured using Llandaff Engineering's Quality Management system's accredited to BS.EN.ISO 9002 (1994) and unless stated comply in all respects to your requirements.

LANDAFF
NGINEERING
PAPERMILL ROAD,
CARDIFF. CF11 8PH UK
TEL: 029 2083 8300
FAX: 029 2056 5125
FAX: 029 2056 3523
Web Site : WWW.LLANDAFF.COM

LLANDAFF ENGINEERING COMPANY LTD REGISTERED NUMBER 798304 LONDON VAT NUMBER [illegible]

Certificate Of Conformity

Our VAT reg

Delivery no
28196

Account code
BICC00184

Delivery date
10/4/02

Deliver to
Pirelli Cables Components Unit
PLANT 58, COMPONENTS DIVISION
PIRELLI CABLES LIMITED
HALL LANE
PRESCOTT, MERSEYSIDE
L34 5UR

Invoice to
Pirelli Cables Components Unit
PO Box 4
Hall Lane
Prescot
Merseyside
L34 5UR

n	Part no	Your part no	Your order no	Qty ordered	Qty balance	Qty despatched
1	PICALBNL14 UPPER SEAL TO DRG. LBN[illegible]4 Complete Order Item		4500126409 **UOM** : EACH **Our order** : 10091/7	40.000	0.000	40.000

DELIVERED BY PARCELINE

Signature

The above items have been manufactured using Llandaff Engineering's Quality Management system's accredited to BS.EN.ISO 9002 (1994) and unless stated comply in all respects to your requirements.

LANDAFF
NGINEERING
PAPERMILL ROAD,
CARDIFF. CF11 8PH UK
TEL: 029 2083 8300
FAX: 029 2056 5125
FAX: 029 2056 3523
eb Site : WWW.LLANDAFF.COM

LLANDAFF ENGINEERING COMPANY LTD. REGISTERED NUMBER 798364 LONDON VAT NUMBER 134367277

Certificate Of Conformity

Our VAT reg

Delivery no
28149

Account code
BICC00184

Delivery date
9/27/02

eliver to
Pirelli Cables Components Unit
PLANT 58, COMPONENTS DIVISION
PIRELLI CABLES LIMITED
HALL LANE
PRESCOTT, MERSEYSIDE
L34 5UR

Invoice to
Pirelli Cables Components Unit
PO Box 4
Hall Lane
Prescot
Merseyside
L34 5UR

	Part no	Your part no	Your order no	Qty ordered	Qty balance	Qty despatched
1	PICALBNL138 SUPPORT ROD INNER TO DRG. LBNL138 Complete Order Item		4500126409 **UOM** : EACH **Our order** : 10091/5	160.000	0.000	160.000
2	PICALBNL68 THERMOMETER SLEEVE TO DRG. LBNL68 Complete Order Item		4500126409 **UOM** : EACH **Our order** : 10091/11	10.000	0.000	10.000

DELIVERED BY PARCELINE

Signature

The above items have been manufactured using Llandaff Engineering's Quality Management system's accredited to BS.EN.ISO 9002 (1994) and unless stated comply in all respects to your requirements.

LANDAFF
IGINEERING
PAPERMILL ROAD,
CARDIFF. CF11 8PH UK
TEL: 029 2083 8300
FAX: 029 2056 5125
FAX: 029 2056 3523
eb Site : WWW.LLANDAFF.COM

QUALITY ASSURED FIRM ISO 9002 SGS

NATIONAL ACCREDITATION OF CERTIFICATION BODIES

LLANDAFF ENGINEERING COMPANY LTD. REGISTERED NUMBER 798364 LONDON VAT NUMBER 134367277

Certificate Of Conformity

Our VAT reg

Delivery no
27810

Account code
BICC00184

Delivery date
28/08/02

eliver to
Pirelli Cables Components Unit
PLANT 58, COMPONENTS DIVISION
PIRELLI CABLES LIMITED
HALL LANE
PRESCOTT, MERSEYSIDE
L34 5UR

Invoice to
Pirelli Cables Components Unit
PO Box 4
Hall Lane
Prescot
Merseyside
L34 5UR

	Part no	Your part no	Your order no	Qty ordered	Qty balance	Qty despatched
1	PICALBNL42 6" CONFLAT FLANGE TO DRG. LBNL42 Complete Order Item		4500129463 **UOM** : EACH **Our order** : 10156/1	20.000	0.000	20.000

Delivered by Parceline

CONFIRMATION

Signature

The above items have been manufactured using Llandaff Engineering's Quality Management system's accredited to BS.EN.ISO 9002 (1994) and unless stated comply in all respects to your requirements.

ANDAFF
GINEERING
PAPERMILL ROAD,
CARDIFF. CF11 8PH UK
TEL: 029 2083 8300
FAX: 029 2056 5125
FAX: 029 2056 3523
eb Site : WWW.LLANDAFF.COM

LLANDAFF ENGINEERING COMPANY LTD. REGISTERED NUMBER 798364 LONDON VAT NUMBER 134367277

Certificate Of Conformity

Our VAT reg

Delivery no
28137

Account code
BICC00184

Delivery date
9/27/02

liver to
Pirelli Cables Components Unit
PLANT 58, COMPONENTS DIVISION
PIRELLI CABLES LIMITED
HALL LANE
PRESCOTT, MERSEYSIDE
L34 5UR

Invoice to
Pirelli Cables Components Unit
PO Box 4
Hall Lane
Prescot
Merseyside
L34 5UR

Part no	Your part no	Your order no	Qty ordered	Qty balance	Qty despatched
PICALBNL32 6" ROTATABLE CONFLAT FLANGE TO DRG. LBNL32 Complete Order Item		4500131112 **UOM** : EACH **Our order** : 10243/1	40.000	0.000	40.000

DELIVERED BY PARCELINE

Signature

The above items have been manufactured using Llandaff Engineering's Quality Management system's accredited to BS.EN.ISO 9002 (1994) and unless stated comply in all respects to your requirements.

DMS

TOTAL P. 02

FAO A JONES 2 SHEETS 1 OF 2

· COPER AND BRASS MILLS SEVOJNO ·

UŽICE
YUGOSLAVIA

CERTIFICATE

Nº 428.-

DATE 11.05.01.

CUSTOMER: ~~EAST POINT~~ THE METAL CENTRE

FORM: Copper sheshs

Quantity Net: 8.385 kg Btt: 8.913 kg.

STANDARD: BS EN 1652

Material

Temper

CUSTOMER'S REF. 7358

Export ref. 16943/87-A

Sample Nº	CHEMICAL COMPOSITION, (%) Cu	P				MECHANICAL, METALLOGRAPHICAL AND TEHNOLOGICAL PROPERTIES Tensile strenght Rm	Yield strength Rp	Elongation % 10	Hardness scale	Average Grain size (mm)	
	CW 024A 2,0 x 1000 x 2000 mm = 2.173 kg.										
1623/1	99,90	0,026				277,2		37,6			
2						284,5		36,4			
3						275,9		38,0			
	CW 024A 3,0 x 1000 x 2000 mm = 3.125 kg.										
1644/1	99,90	0,022				274,8		37,4			
2						271,6		37,6			
3						276,6		37,0			
4						272,9		38,6			
	CW 024A 1,5 x 1000 x 2000 mm = 1.557 kg.										
1683/1	99,90	0,025				266,7		39,6			
2						271,0		40,0			
	CW 024A 0,55 x 1000 x 2000 mm = 1.530 kg.										
1704/1	99,90	0,022				272,6		39,8			
2						272,0		38,4			

121260-01-04

121261-01-06

121262-01-03

121263-01-03

- 380 -
3.1.b.

CONTROL'S DEPARTMENT

T. Cvijanović [signature]

FO.KK.10.110

TO:

DAFF ENGINEERING LTD
RMILL ROAD

IFF. SOUTH GLAM.

8UH DELIVERY DUE : 25/06/01

DELIVERY TO: Printed 22/06/01 11:08 Page 01/01

LLANDAFF ENGINEERING LTD
PAPERMILL ROAD
ELY
CARDIFF. SOUTH GLAM.
1/1
CF1 8UH

TOTAL P.02

No.	ACCT No.	CUSTOMER ORDER REF.	DATE	PAYMENT TERMS	BG	
		CFN20194			BGDE	0149554

QUANTITY	DESCRIPTION	PRICE PER UNIT	VAT CODE	No. OF UNITS	LINE VALUE
99 6.00 SHT	BS.EN1653:1998/BS2870:1980/C106 CU SHT CW024A/C106 H/H 2000mm X 1000mm X 2.0mm Batch ID---- Cast No.-- Cert.No.-- QA-- 121260- 1- 0 1623/1 428 B			218.00 S	

NO R300.762

GRN 26777

RECEIVING AND INSPECTION ADVICE FOR ACCOUNTS

W Wilkyd 25.6.01 AS ABOVE

CUSTOMER | COMPANY

Certified that the supplies detailed hereon have been subject to the procedures of our ISO 9002 registered Quality System and fully comply with the requirements of the contract or purchase order, unless otherwise stated.

2 of

PMD (UK) LIMITED

Broad Lane, Coventry CV5 7AY
Tel: (02476) 466691, Fax: (02476) 473034
e-mail: sales@pmdgroup.co.uk

Delivery Note / Certificate of Conformity

BIC

Delivery / C of C Note No.	83439 / 0
Date	13/11/2002
Customer Order No.	4500134976
Customer Advice Note No.	
Incoming C of C No.	10785061
Delivery	Courier
Batch No.	83439 / 0

elli Cables Ltd.
mp nents Unit
Box 4
nchester Road
sc
rsi side
5UR

Quantity	Part Number / Description	Process Comments
10.0	LBNL69V	Bright Nickel 10.0 Microns.
	Lower Seal Braze Assy.	

396321

WE NOW CONSIDER THIS ORDER COMPLETE

d that the supplies / services detailed hereon have been inspected
te in accordance with the conditions and requirements of the
t or purchase order and unless otherwise noted above, confor
spects to the specification(s), drawing(s) relevant thereto.

fo on behalf of PMD (UK) Limited

Received on behalf of

Pirelli Cables Ltd.

Signature

Print Name

BS EN ISO 9001 1994

CERTIFICATE NUMBER FM 093

tions see over

PMD (UK) LIMITED

Broad Lane, Coventry CV5 7AY
Tel: (02476) 466691, Fax: (02476) 473034
e-mail: sales@pmdgroup.co.uk

Delivery Note / Certificate of Confo

Delivery / C of C Note No.	83438 / 0
Date	13/11/2002
Customer Order No.	4500134976
Customer Advice Note No.	
Incoming C of C No.	10785059
Delivery	Courier
Batch No.	83438 / 0

Pirelli Cables Ltd.
Components Unit
PO Box 4
Manchester Road
Prescot
Merseyside
L34 5UR

Quantity	Part Number / Description	Process Comments
10.0	LBNL31V	Bright Nickel 10.0 Microns
	Termination assy.	

WE NOW CONSIDER THIS ORDER COMPLE

Certified that the supplies / services detailed hereon have been inspected and tested in accordance with the conditions and requirements of the contract or purchase order and unless otherwise noted above conform in all respects to the specification(s), drawing(s) relevant thereto.

Signed for on behalf of PMD (UK) Limited

Received on behalf of

Pirelli Cables L

Signature

Print Name

BS EN ISO 9001 1994

CERTIFICATE NUMBER FM 093

For Conditions see over

PMD (UK) LIMITED

Broad Lane, Coventry CV5 7AY
Tel: (02476) 466691, Fax: (02476) 473034
e-mail: sales@pmdgroup.co.uk

Delivery Note / Certificate of Conformity

BIC

Delivery / C of C Note No.	83575 / 0
Date	14/11/2002
Customer Order No.	4500135403
Customer Advice Note No.	
Incoming C of C No.	
Delivery	
Batch No.	83575 / 0

Pirelli Cables Ltd.
Components Unit
PO Box 4
Manchester Road
Prescot
Merseyside
L34 5UR

Quantity	Part Number / Description	Process Comments
10.0	LBNL02AG	Silver 10.0 - 15.0 Microns
	Station 1	

347259

WE NOW CONSIDER THIS ORDER COMPLETE

Certified that the supplies / services detailed hereon have been inspected and tested in accordance with the conditions and requirements of the contract or purchase order and unless otherwise noted above, conform in all respects to the specification(s), drawing(s) relevant thereto.

Signed for on behalf of PMD (UK) Limited

Received on behalf of

Pirelli Cables Ltd.

Signature

Print Name

BS EN ISO 9001 1994

CERTIFICATE NUMBER FM 093

For Conditions see over.

PMD (UK) LIMITED

Broad Lane, Coventry CV5 7AY
Tel: (02476) 466691, Fax: (02476) 473034
e-mail: sales@pmdgroup.co.uk

Delivery Note / Certificate of Conformity

BIC

Delivery / C of C Note No.	83576 / 0
Date	14/11/2002
Customer Order No.	4500135403
Customer Advice Note No.	
Incoming C of C No.	
Delivery	BP - Next Day
Batch No.	83576 / 0

Pirelli Cables Ltd.
Components Unit
PO Box 4
Manchester Road
Prescot
Merseyside
L34 5UR

Quantity	Part Number / Description	Process Comments
10.0	LBNL19AG Station 1 Fixing Clamps	Silver 10.0 - 15.0 Microns

397259

WE NOW CONSIDER THIS ORDER COMPLETE

Certified that the supplies / services detailed hereon have been inspected and tested in accordance with the conditions and requirements of the contract or purchase order and unless otherwise noted above, conform in all respects to the specification(s), drawing(s) relevant thereto.

Signed for on behalf of PMD (UK) Limited

Received on behalf of

Pirelli Cables Ltd.

Signature

Print Name

BS EN ISO 9001 1994

CERTIFICATE NUMBER FM 093

See Conditions see over

Bodycote Group

Member of Bodycote International Plc

FROM:
[illegible]
WATERBEACH
CAMBRIDGE

V.A.T. No.: GB 592 6320 22
FAX No.: 01223 863498
TEL: 065 928 01223 860741

ODDRESS	DELIVERY ADDRESS
I CABLES LIMITED NTS DIVISION 4, HALL LANE, T, MERSEYSIDE, R.	PIRELLI CABLES LIMITED COMPONENTS DIVISION PO BOX 4, HALL LANE, PRESCOT, MERSEYSIDE, L34 5UR.

SERIAL NUMBER 0442701 PAGE: 1 DATE: 01NOV02
ORDER ENTRY DATE: 29OCT02

TRANSPORT DETAILS : ANC
WORKS ORDER No. : 0375066
INCOMING ORDER No. : 4500134279
INCOMING CERT No. :
MATERIAL SPEC/ISSUE No. : COPPER

OB o.	DESCRIPTION	UNIT	QUANTITY
00	ULTERMATION ASSY Part No. ULMM-31 VACUUM BRAZE TO ULD DATA CARD 080W Iss.02 BRAZE NO ZSL No. 10786424	EACH ITEMS	10.000 10.000
00	Part No. TRANSPORT CHARGES	LOAD ITEMS	1.000 1.000
acc	Chge 4/8501		

CERTIFICATE DECLARATION

Certified that the whole of the supplies/materials detailed hereon have been processed, inspected, tested and – unless otherwise stated – conform in all respects with the requirements of the contract, order or specifications.
The quality control arrangements adopted in respect of these supplies/materials have accorded with the conditions applicable to the following approvals:

TO EN ISO 9001 APPROVAL NO:005196

Certified that unless otherwise stated above, the whole of the above mentioned materials ~~and/or~~ parts have been processed and inspected in accordance with the terms of ~~the contract/order~~ applicable thereto and ~~conform fully~~ to the standards/specification quoted hereon and the requirements of the Civil Aviation Authority.

For and on behalf of:

BODYCOTE HEAT TREATMENTS LTD.

Signed: M Dunk

Date: 1-Nov

Insp. Stamp 75

Issue 2 1/9/97

N: White – Customer; Pink – Inspector; Blue – File; Green – Signature & Return

Standard Contract Conditions overleaf apply.

Vacweld

Vacweld Ltd
Folgate House, Folgate Road,
North Walsham, Norfolk, NR28 0AJ, England.
Tel: (01692) 500000 Fax: (01692) 500188
Email:sales@vacweld.co.uk
Web Site: www.vacweld.co.uk

CERTIFICATION OF CONFORMITY

This is to certify the components listed below have been manufactured to their relevant drawing numbers, unless otherwise agreed. The components have been welded, cleaned and leak checked to UHV standards.

ORDER NO: 4500126332

ADVICE NOTE NO: 438

QTY: 80 **CONCESSIONS:** -

PART/DRAWING NO: ULBNL23 **ISSUE:** 1

DESCRIPTION: LEAD THROUGH ASSY

SERIAL NO: -

CERTIFIED BY: Mr. D HARBOUR

POSITION: DIRECTOR **DATE:** 9th SEPTEMBER 2002

PRINT NAME: D HARBOUR **SIGNED:**

Specialist welding and instrument-making for science and industry