

Ove Arup & Partners
Building Engineering

Fax To: GOURGOURLS.....
Fax No: 010-33-6773-3065...
Attn: Humbert Camerito.....
cc:
From: Lorraine Lin.....
Subject: Moon Theater.....

13 Fitzroy Street
London W1P 6BQ
Telephone: 071-636 1531
Facsimile: 071-580 3924

Direct Dialling:
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Tel: 071-465

Date: 4/6/91..

Ref/Jnh no:

Total Pages: 22.....
(including this page)

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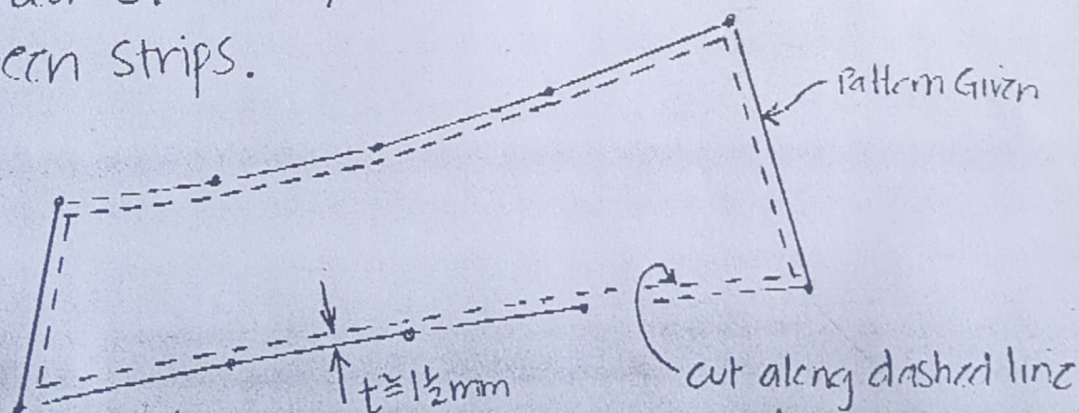
Message

Humbert:

Here are the cutting patterns for
the design of Kepler (sent 17/5/91).

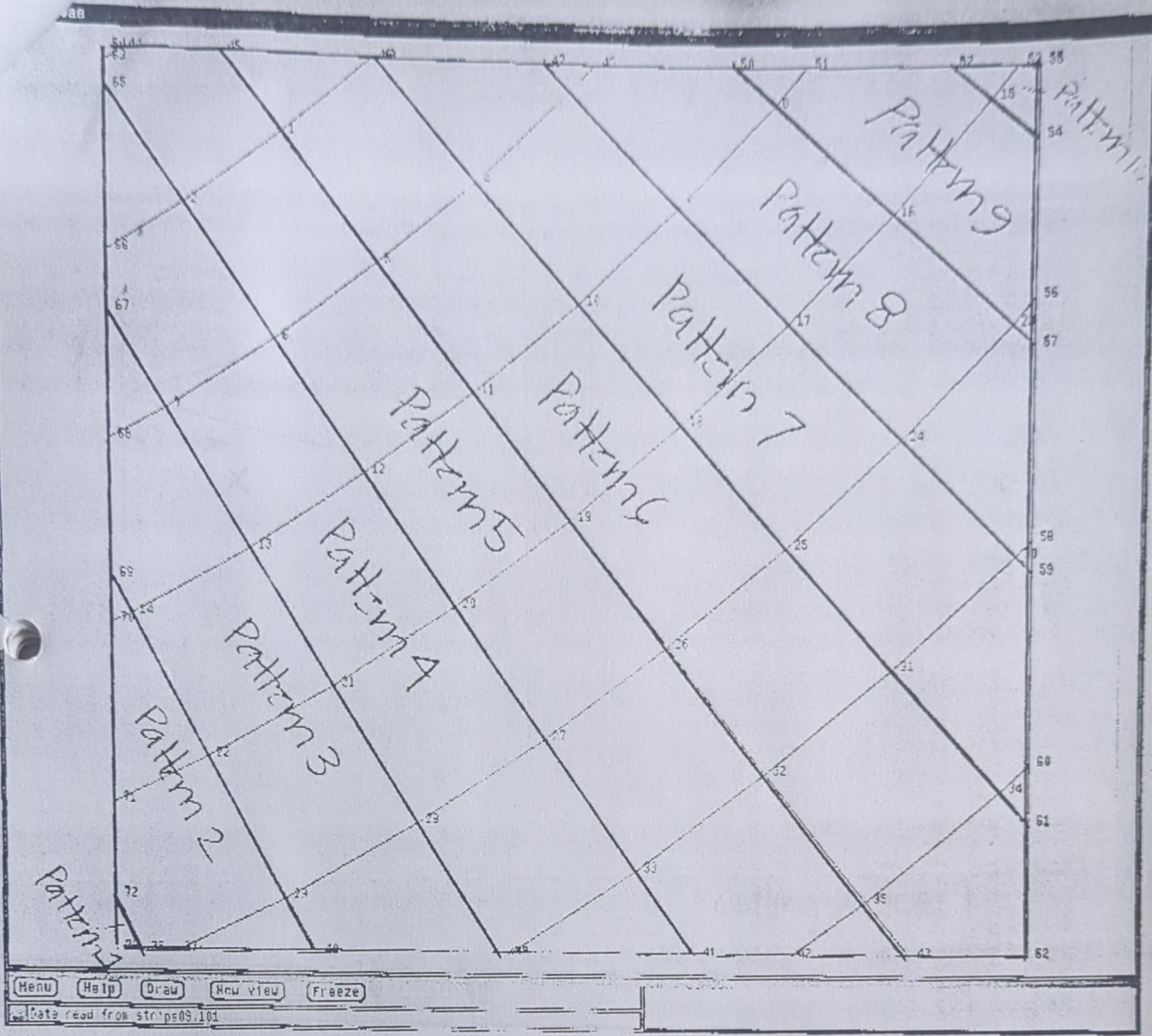
Use plywood that is 3mm thick, and
apply the reflective material to the plywood
before bending the strips.

The patterns are for an exact fit
where the seams meet at the centerline of
the beams. Thus, allow a 3mm tolerance
between strips.

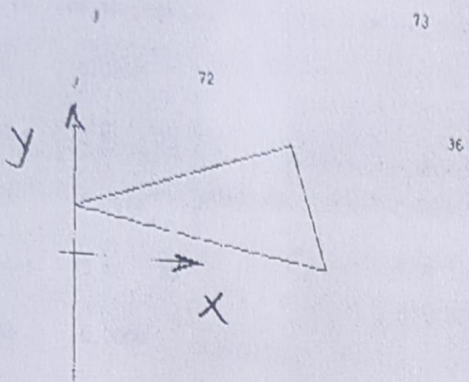


Use straight lines between nodes given.

Lorraine



Kepler



Cutting Pattern 1

071 465 3743

TEL: 071-465-3743

4.Jun.91 14:49 No.012 P.01

Kep12v

ation points for cutting pattern 1

4

X Y

Seam 1 Nodes 36 to 72

0.0000 0.0362

Seam 31 Nodes 72 to 73

0.1783 0.0944

Seam 10 Nodes 73 to 36

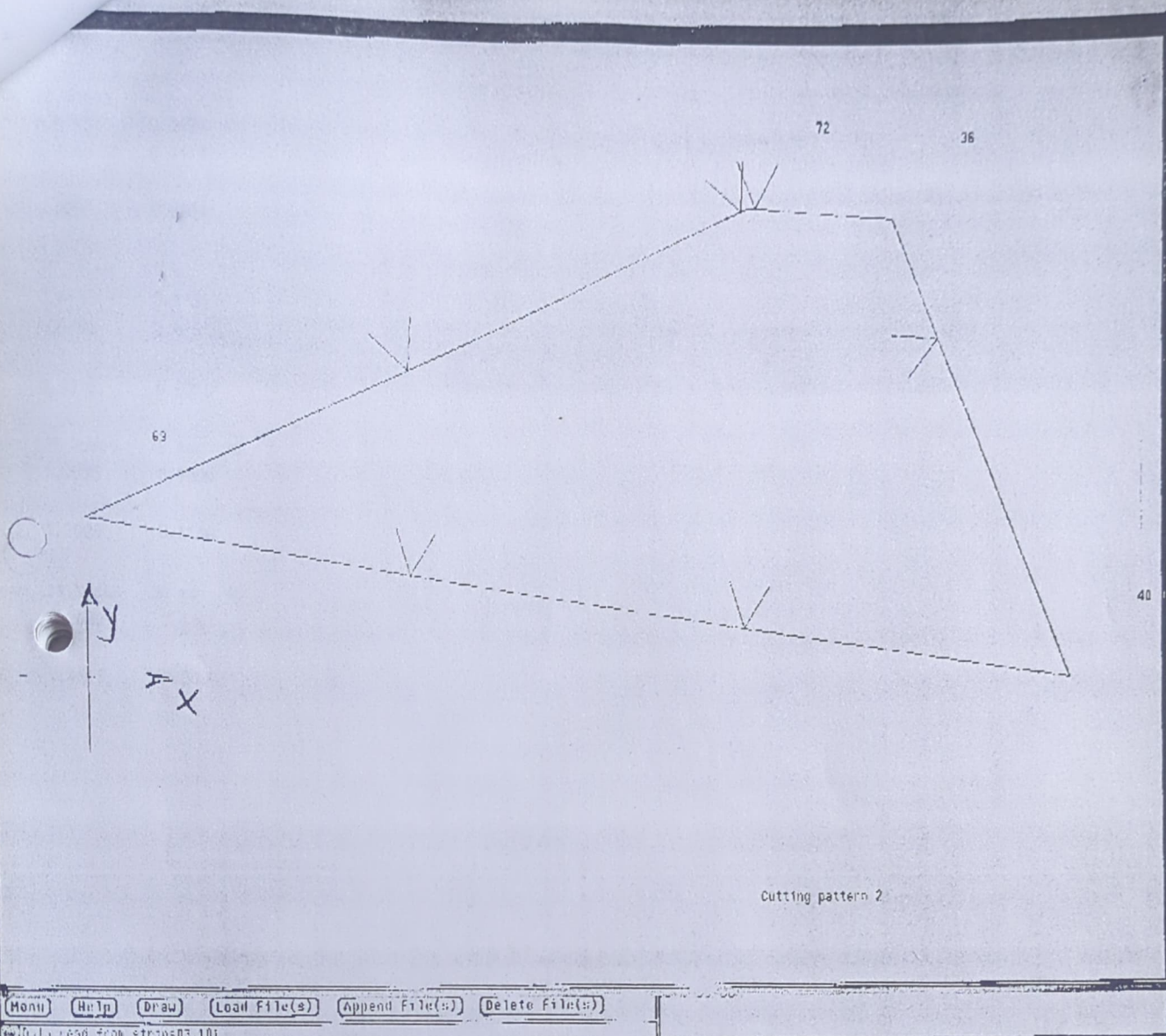
0.2083 0.0000

Replier

TEL: 011-465-5745

4 JUN 91 14:49 NO.012 P.02

5



R2P127

for cutting pattern 2

Y

Seam 2 Nodes 40 to 69
0.9795 0.0694
0.4795 0.1414

0.0000 0.2204

Seam 30 Nodes 69 to 72
0.4795 0.4134
0.9795 0.6261

0.9918 0.6316

Seam 101 Nodes 72 to 36
1.0000 0.6309

1.2025 0.6140

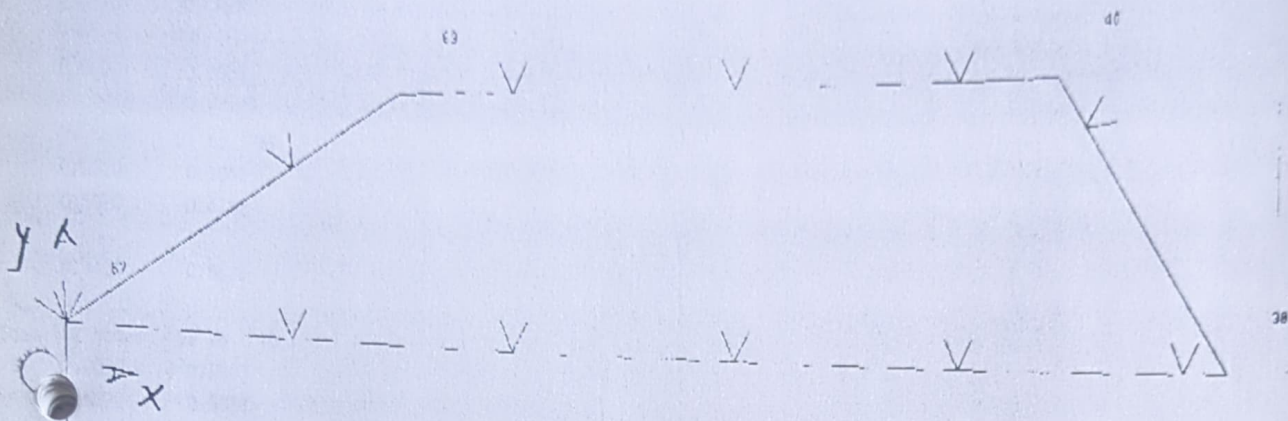
Seam 11 Nodes 36 to 40
0.2689 0.4564

1.4615 0.0000

Kepler

TEL: 041-465-5745

4 JUN 91 14:49 NO.012 P.04



Cutting pattern 3

Menu Help Draw Load File(s) Append File(s) Delete File(s)

File Data read from strip561.101

Kipliv

TEL: 071-465-3745

4. JUN. 91 14.45 NO. 012 1.00

8

points for cutting pattern 3

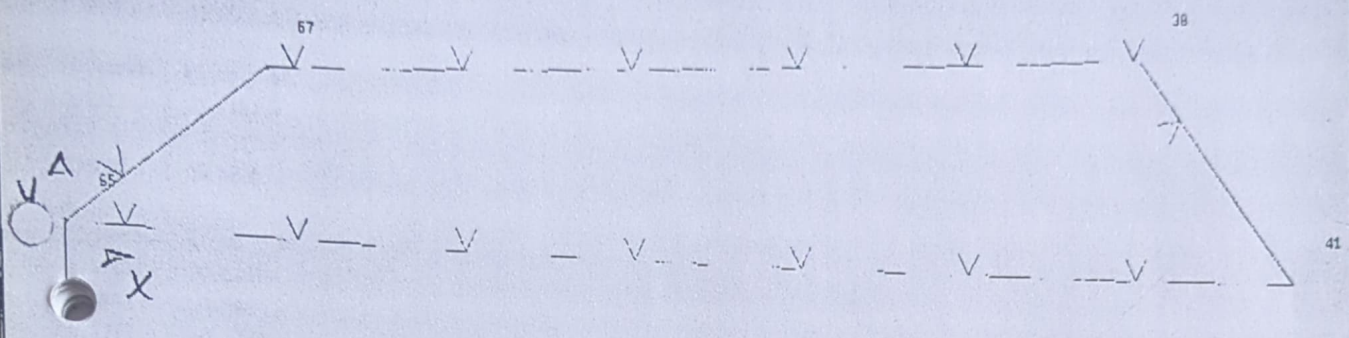
	X	Y
Seam 3 Nodes	38 to	67
	2.5020	0.0036
	2.0020	0.0226
	1.5020	0.0416
	1.0020	0.0606
	0.5020	0.0797
	0.0020	0.0988
	0.0000	0.0989
Seam 29 Nodes	67 to	69
	0.0020	0.1001
	0.5020	0.4152
	0.7430	0.5676
Seam 102 Nodes	69 to	40
	2.0020	0.5943
	1.5020	0.5839
	1.0020	0.5733
	2.2192	0.5987
Seam 12 Nodes	40 to	38
	2.2817	0.5000
	2.5982	0.0000

Kep1cr

403-3743

4 JUN 91 14:49 NO.012 P.00

9



Cutting pattern 1

R2P12V

TEL. 071-465-3745

4 JUN 91 14:49 NO. 012 P. 07

18

nts for cutting pattern 4

X Y

Seam 4 Nodes 41 to 65

3.1717 0.0114

2.6717 0.0237

2.1717 0.0361

1.6717 0.0487

1.1717 0.0613

0.6717 0.0739

0.1717 0.0866

0.0000 0.0910

Seam 28 Nodes 65 to 67

0.1717 0.2167

0.5887 0.5230

Seam 103 Nodes 67 to 38

3.1717 0.6104

2.1717 0.5980

2.1717 0.5773

1.6717 0.5654

1.1717 0.5433

0.6717 0.5219

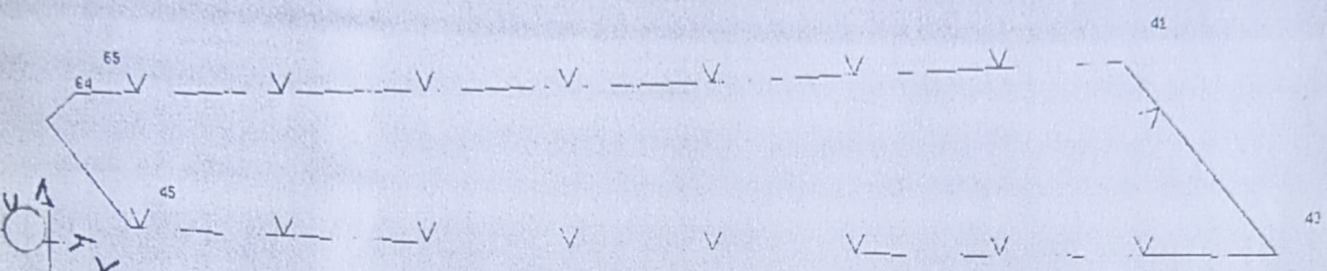
3.1873 0.6109

Seam 13 Nodes 38 to 41

3.3070 0.4491

3.6395 0.0000

Kepler



Cutting pattern 5

Replzr

nts for cutting pattern 5

X Y

Seam 5 Nodes 43 to 45

3.8094	0.0056
3.3094	0.0120
2.8094	0.0186
2.3094	0.0252
1.8094	0.0320
1.3094	0.0389
0.8094	0.0458
0.3094	0.0529

0.2779 0.0533

Seam 26 Nodes 45 to 64

0.0000 0.3796

Seam 27 Nodes 64 to 65

0.0985 0.4620

Seam 104 Nodes 65 to 41

3.3094	0.6062
2.8094	0.5842
2.3094	0.5622
1.8094	0.5399
1.3094	0.5174
0.8094	0.4947
0.3094	0.4717

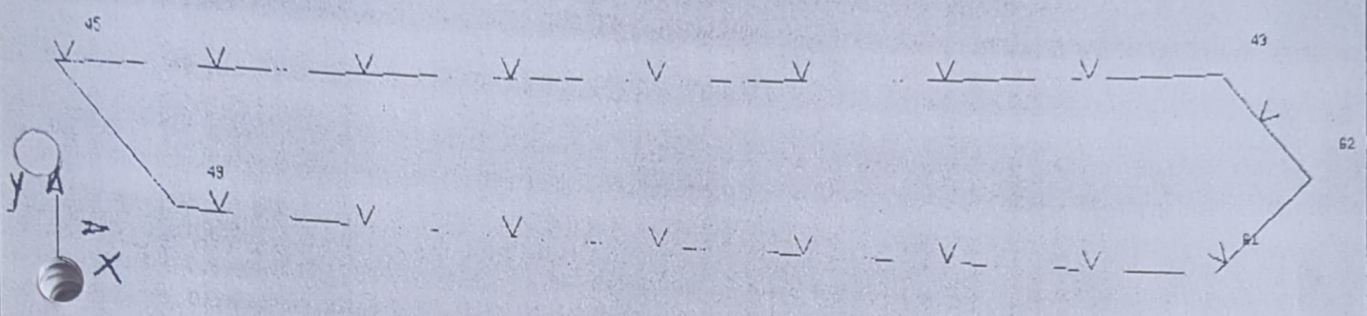
3.7355 0.6249

Seam 14 Nodes 41 to 43

3.8539 0.4745

4.2694 0.0000

Kep121



Cutting pattern 6

points for cutting pattern 6

X Y

Seam 6 Nodes 61 to 49

3.5329	0.0100
3.0329	0.0219
2.5329	0.0339
2.0329	0.0462
1.5329	0.0587
1.0329	0.0712
0.5329	0.0839
0.3956	0.0874

Seam 25 Nodes 49 to 45

0.0000 0.5089

Seam 9 Nodes 45 to 43

3.5329	0.6248
3.0329	0.6088
2.5329	0.5927
2.0329	0.5765
1.5329	0.5601
1.0329	0.5437
0.5329	0.5270
0.0329	0.5100

3.9898 0.6393

Seam 15 Nodes 43 to 62

4.1202 0.5000

4.2955 0.3129

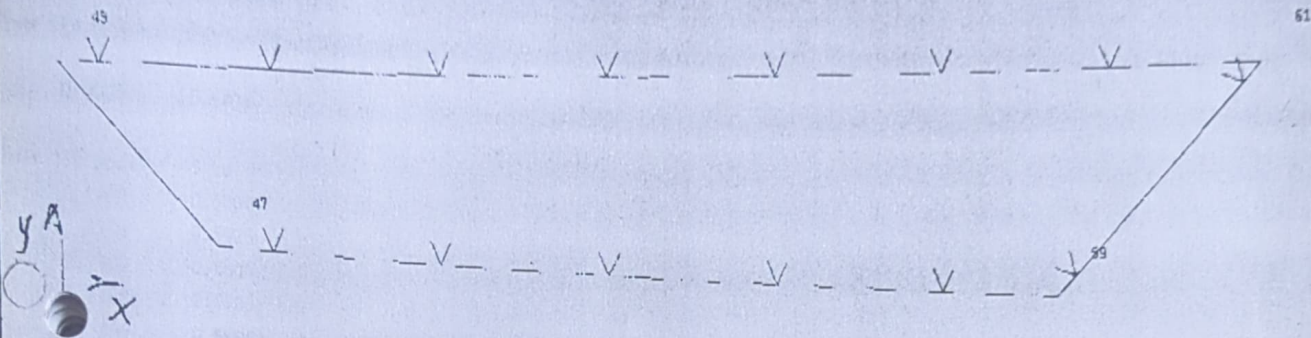
Seam 16 Nodes 62 to 61

0.0000 0.0378

3.9594 0.0000

Koplar

15



Cutting pattern 7

Menu Help Draw Load File(s) Append File(s) Delete File(s)

21 data read from strip 5.101

points for cutting pattern 7

X Y

Seam 7 Nodes 59 to 47
 2.6180 0.0135
 2.1180 0.0336
 1.6180 0.0537
 1.1180 0.0739
 0.6180 0.0945
 /
 0.4563 0.1012

Seam 24 Nodes 47 to 49
 0.0000 0.5498

Seam 106 Nodes 49 to 61
 3.1180 0.6004
 2.6180 0.5925
 2.1180 0.5846
 1.6180 0.5765
 1.1180 0.5684
 0.6180 0.5601
 0.1180 0.5518
 3.5644 0.6073

Seam 17 Nodes 61 to 59
 3.5134 0.5559
 3.0186 0.0559
 2.9534 0.0000

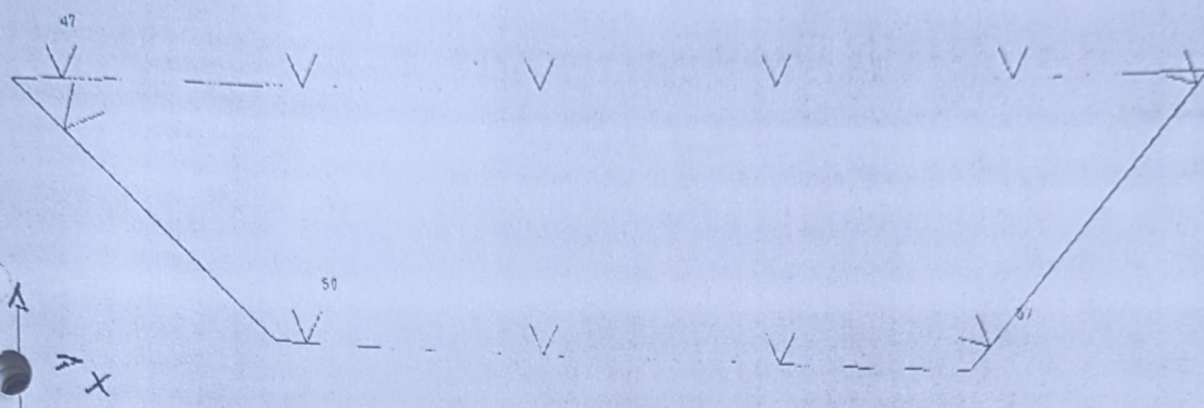
Reply

FILE: 011 405 5145

4.0001.91 14.45 NO.012 P.14

17

Canvas



Cutting pattern 8

Menu Help Draw Load File(s) Append File(s) Delete File(s)

2010-11-14 read from strips0E.101

K2p17r

FILE: 011-465-5145

4 JUN 91 14:49 NO. 012 P. 25

18

points for cutting pattern 8

	X	Y
Seam 8 Nodes	57 to 50	
	1.6035	0.0148
	1.1035	0.0335
	0.6035	0.0523
		1
	0.5390	0.0548
		1
Seam 23 Nodes	50 to 47	
	0.1035	0.4359
	0.0000	0.5262
Seam 107 Nodes	47 to 59	
	2.1035	0.5654
	1.6035	0.5562
	1.035	0.5470
	0.6035	0.5375
	0.1035	0.5282
	2.5087	0.5728
Seam 18 Nodes	59 to 57	
	2.4868	0.5479
	2.0482	0.0479
	2.0063	0.0000

UNSCOT CAMP 10 1 0000 RICE

KP11V

Notes for cutting pattern 9

Seam 10:16 NA-005 P. 01

20

X Y

Seam 9 Nodes 54 to 52
0.9208 0.0006

0.6569 0.0000

Seam 22 Nodes 52 to 50
0.4208 0.1708

0.0000 0.4745

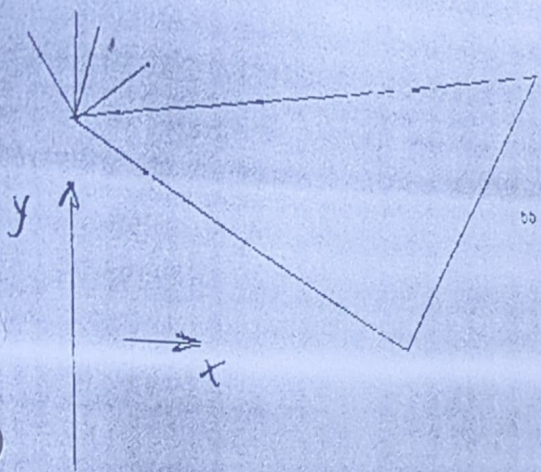
Seam 108 Nodes 50 to 57
1.4208 0.5562
0.9208 0.5275
0.4208 0.4987

0.0000 0.0000

Seam 19 Nodes 57 to 54
1.4330 0.5131
1.0735 0.0131
1.0648 0.0010

Kopier

21
21



Cutting Pattern 10

Cut

... for cutting pattern 10

4 JUN 91 14:49 NO. 032 P. 19
27

Seam 20 Nodes 54 to 55

0.2911 0.0000

Seam 21 Nodes 55 to 52

0.0040 0.1555

0.0000 0.1577

Seam 109 Nodes 52 to 54

0.0040 0.1582

0.4043 0.2119