

ARUP

Ove Arup & Partners
Building Engineering

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Attn: Humbert Camerle

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Date: 14/5/91

Ref/Job no:

Total Pages: 5
(including this page)

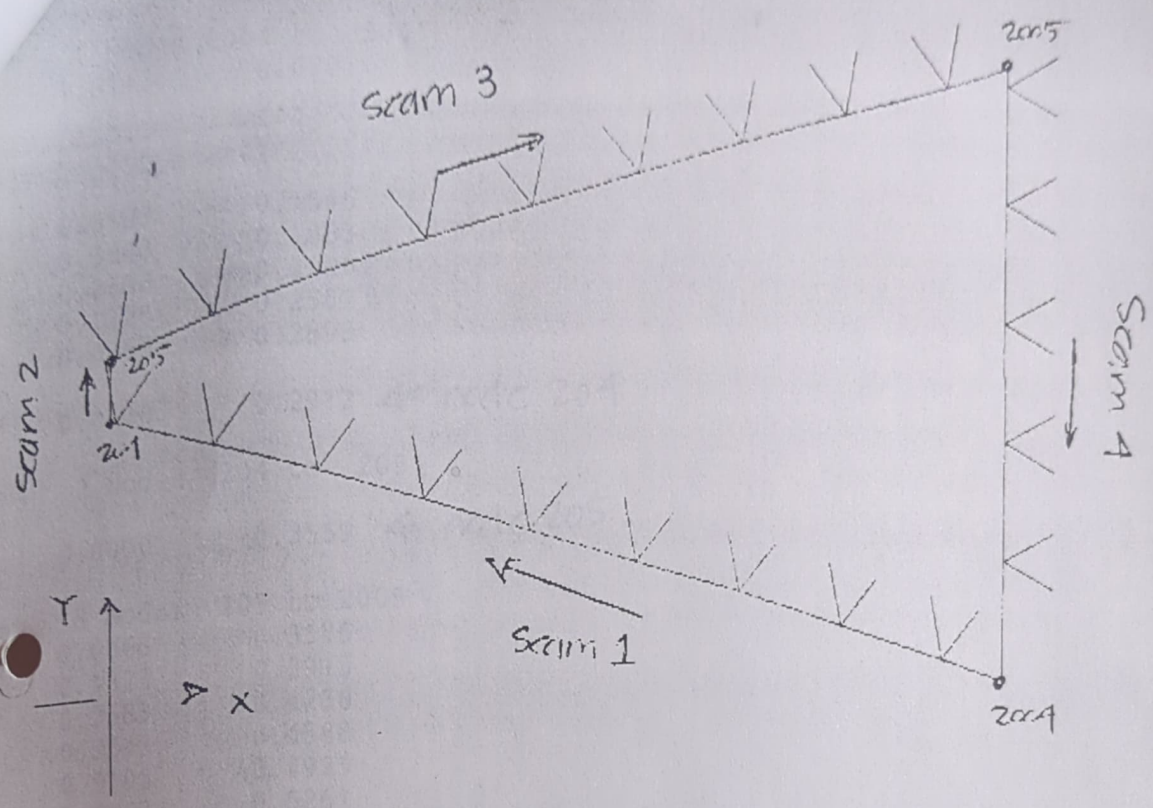
If you have not received all the pages listed please phone the sender

Message

Hello Humbert;

Here are the cutting patterns for Tycho and Uranie. The seams are not necessarily perfectly straight lines, although they appear so. Seams 1 and 3 have very slight curvatures, and Seams 2 and 4 are straight. Best of Luck Constructing.

Jon



Cutting pattern 1

Menu	Help	Draw	Load File(s)	Append File(s)	Delete File(s)	101 % screen	102 % screen
Data read from tycho01.101							
Data read from tycho01.101							
Data read from uranid01.101							

Uranic

ORANIE
n points for cutting pattern 1

y (meters)

x

1 Nodes 2004 to 204

1.0143	0.0201
0.8883	0.0537
0.7623	0.0873
0.6363	0.1209
0.5103	0.1546
0.3843	0.1883
0.2583	0.2220
0.1323	0.2557
0.0063	0.2895

0.0000 0.2912 ← node 204

2 Nodes 204 to 205

0.0000 0.3559 ← node 205

3 Nodes 205 to 2005

0.0063	0.3575
0.1323	0.3913
0.2583	0.4250
0.3843	0.4588
0.5103	0.4925
0.6363	0.5261
0.7623	0.5598
0.8883	0.5934
1.0143	0.6269

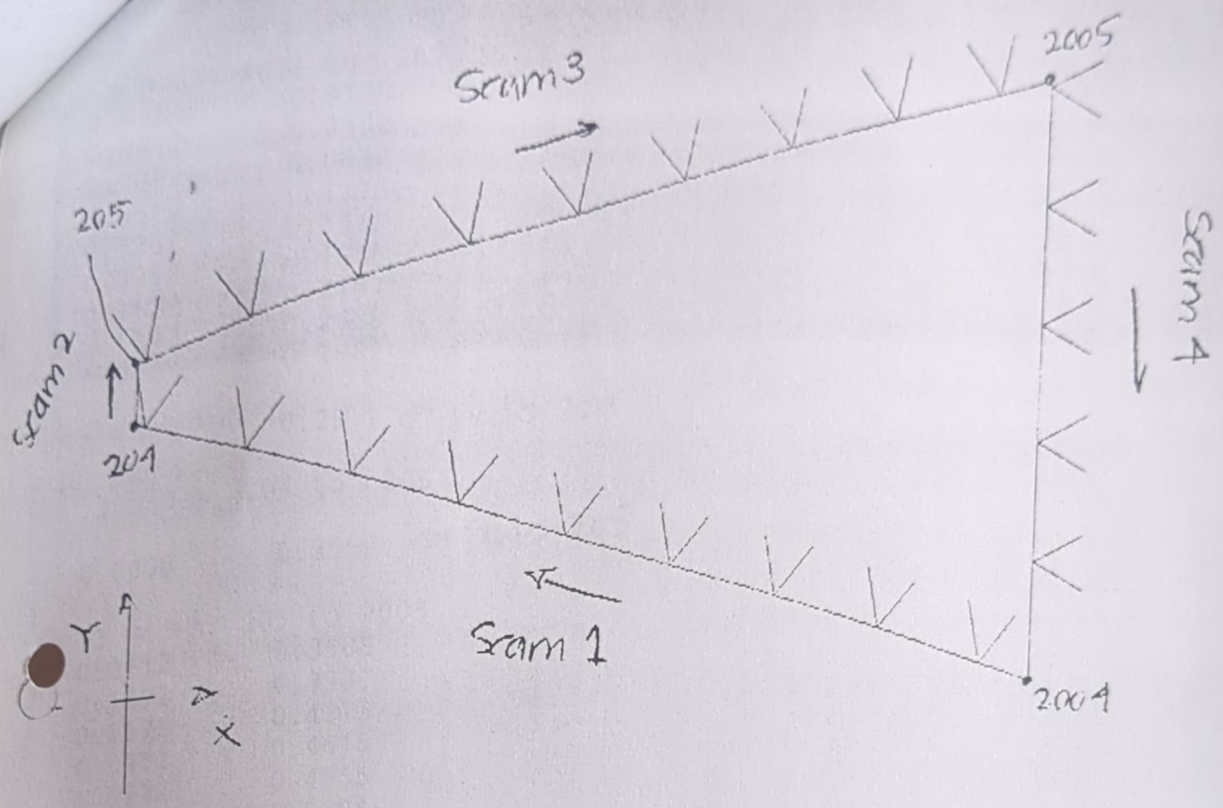
1.0900 0.6471 ← node 2005

4 Nodes 2005 to 2004

1.0900	0.6300
1.0900	0.5040
1.0900	0.3780
1.0900	0.2520
1.0900	0.1260

1.0900 0.0000 ← node 2004

Vranic



Cutting pattern 1

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

Data read from tycho01.101
Data read from virginie01.101
Data read from tycho01.101

Tycho

TYCHO
points for cutting pattern 1
Y (meters)

5

1 Nodes 2004 to 204

1.0352	0.0168
0.9072	0.0502
0.7792	0.0838
0.6512	0.1176
0.5232	0.1515
0.3952	0.1855
0.2672	0.2197
0.1392	0.2539
0.0112	0.2882

0.0000 0.2912 ← node 204

2 Nodes 204 to 205

0.0000 0.3559 ← node 205

3 Nodes 205 to 2005

0.0112	0.3588
0.1392	0.3931
0.2672	0.4273
0.3952	0.4615
0.5232	0.4955
0.6512	0.5294
0.7792	0.5632
0.9072	0.5968
1.0352	0.6302

1.0999 0.6471 ← node 2005

Seam 4 Nodes 2005 to 2004

1.0999	0.6400
1.0999	0.5120
1.0999	0.3840
1.0999	0.2560
1.1000	0.1280

1.1000 0.0000 ← node 2004

Tycho