5.2 M BOAT - FRAME DIMENSIONS

NOTE THE CHANGE IN THE BOTTOM FRAME
FOR PLYWOOD CONSTRUCTION = Plw.
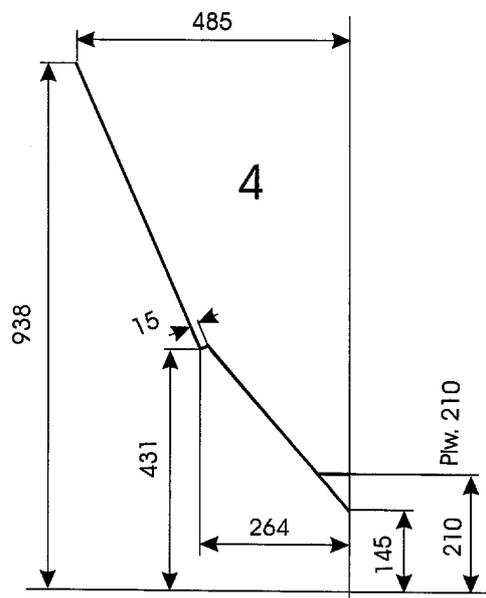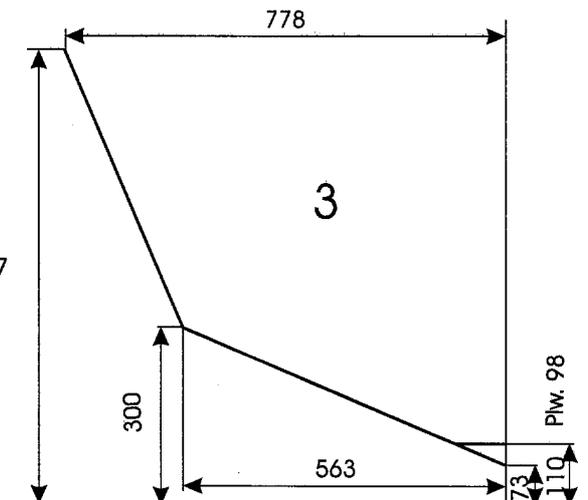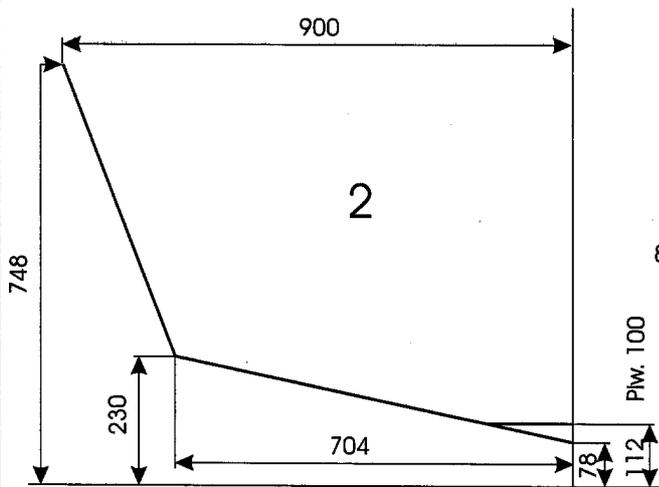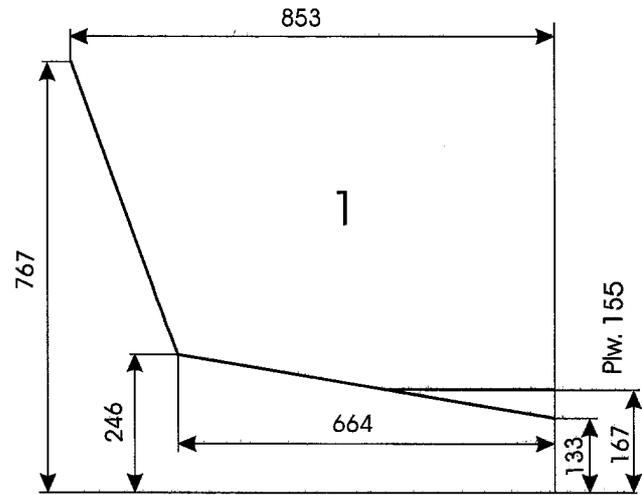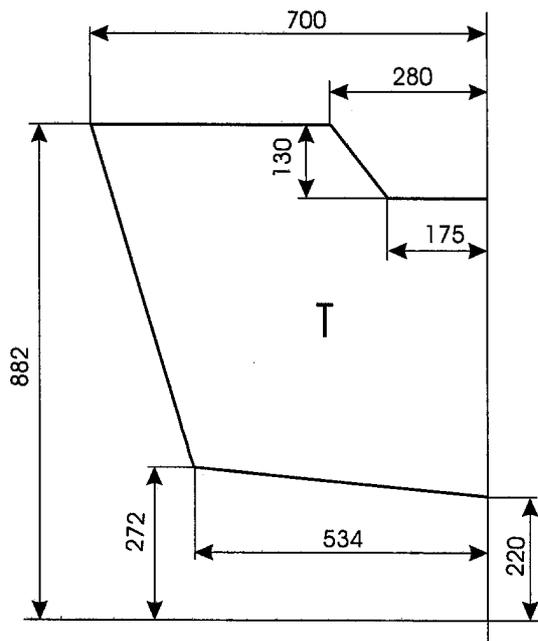
700

280

130

175

882

T

272

534

220

853

767

1

246

664

133

167

Plw. 155

900

748

2

230

704

78

112

Plw. 100

778

807

3

300

563

73

110

Plw. 98

485

938

4

15

431

264

145

210

Plw. 210

TRANSOM IS SAME AS FOR 5.2 M BOAT.

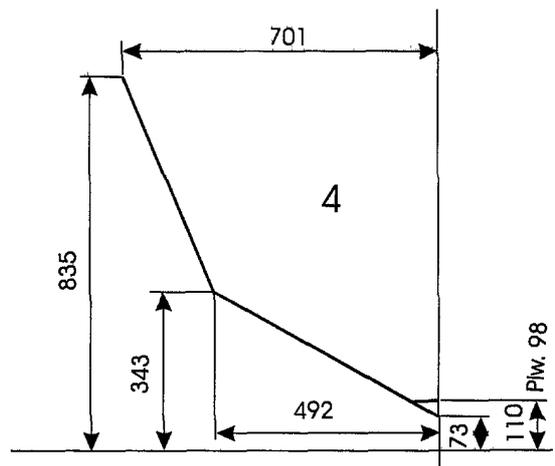NOTE THE CHANGE IN THE BOTTOM FRAME
FOR PLYWOOD CONSTRUCTION = Plw.

1

833
776
248
646
133
167
Plw. 155

2

905
747
230
708
78
112
Plw. 100

3

867
763
254
662
75
110
Plw. 98

4

701
835
343
492
73
110
Plw. 98

5

414
954
15
440
205
145
210
Plw. 210

7.4 M BOAT - FRAME DIMENSIONS

TRANSOM IS SAME AS FOR 5.2 M BOAT
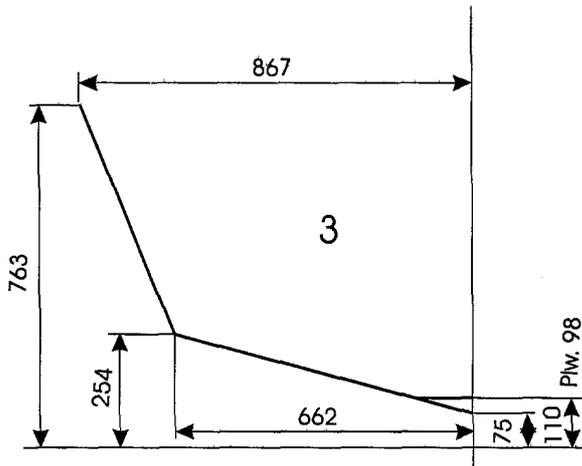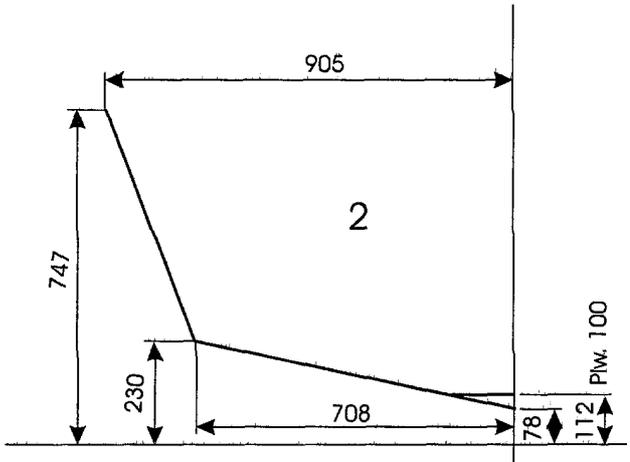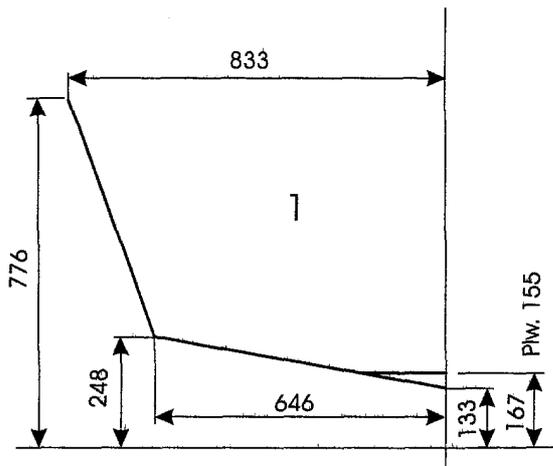
NOTE THE CHANGE IN THE BOTTOM FRAME
FOR PLYWOOD CONSTRUCTION = Plw.

TRANSOM IS SAME AS FOR 5.2 M BOAT.

NOTE THE CHANGE IN THE BOTTOM FRAME
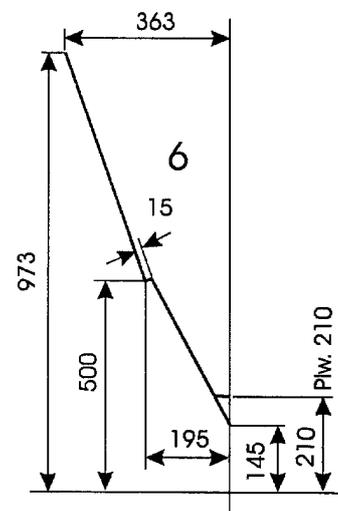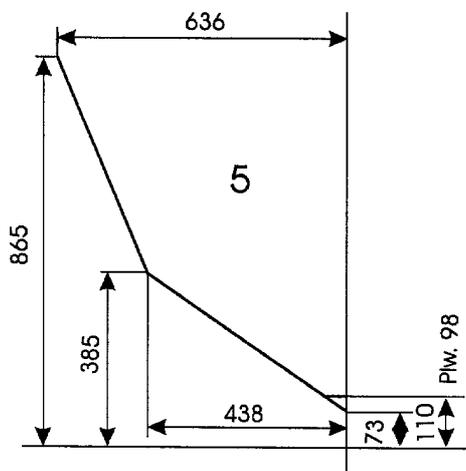FOR PLYWOOD CONSTRUCTION = Plw.

Frame 1 — 806, 788, 260, 615, 133, 167, Plw. 155

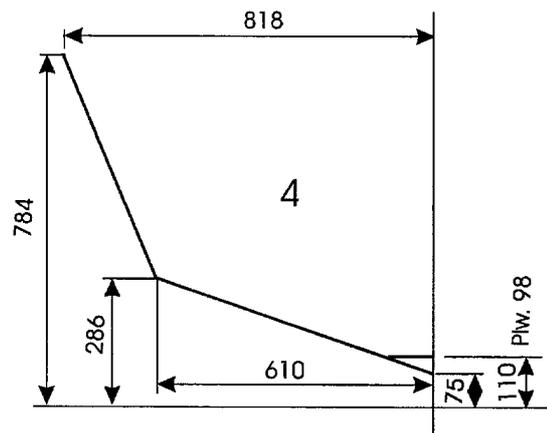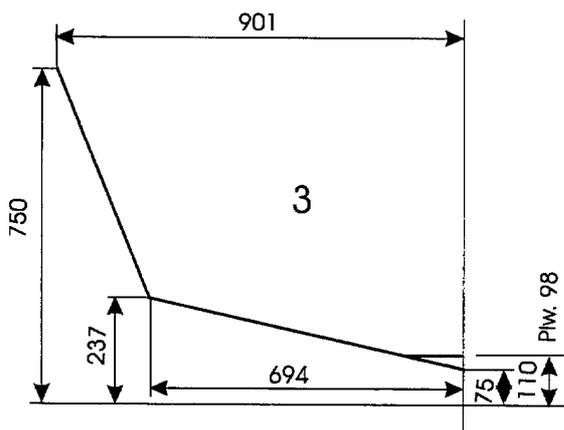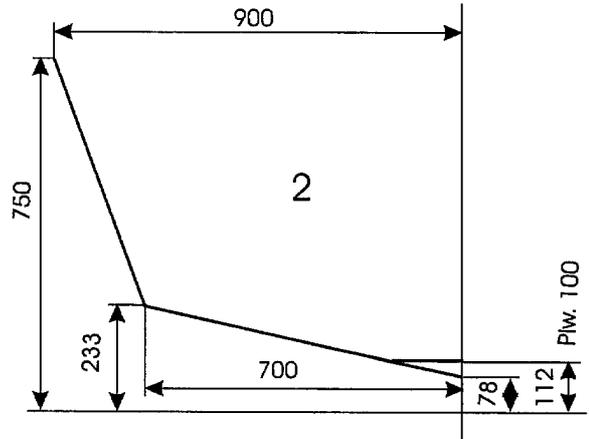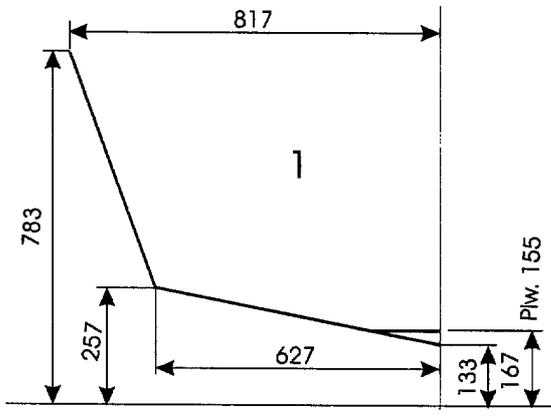Frame 2 — 886, 755, 237, 688, 78, 112, Plw. 100
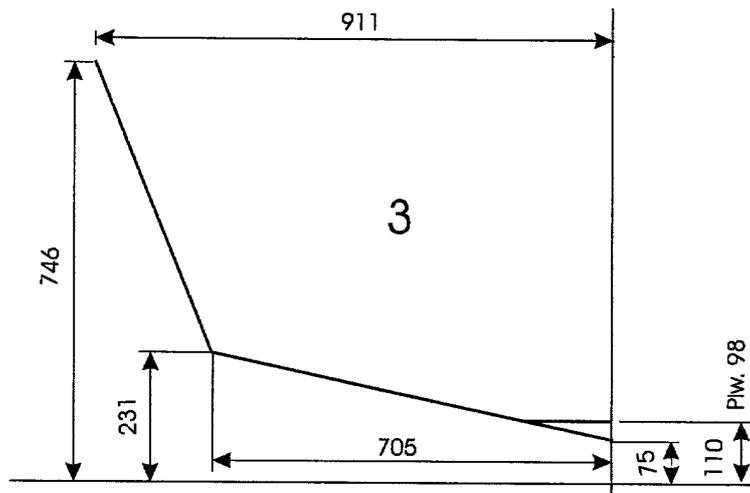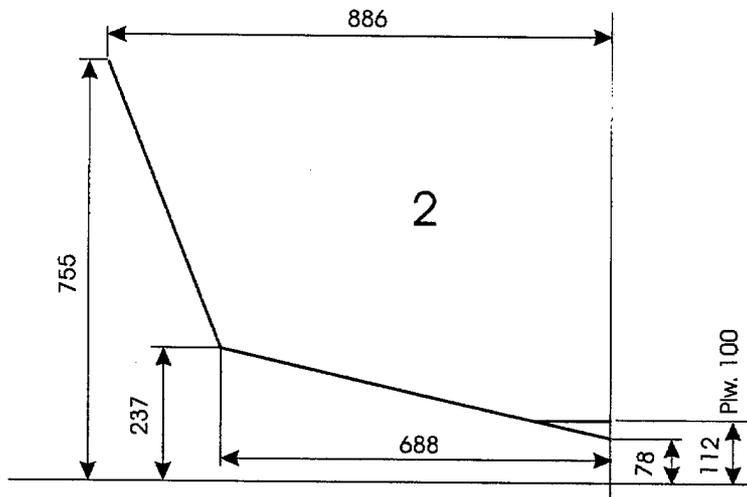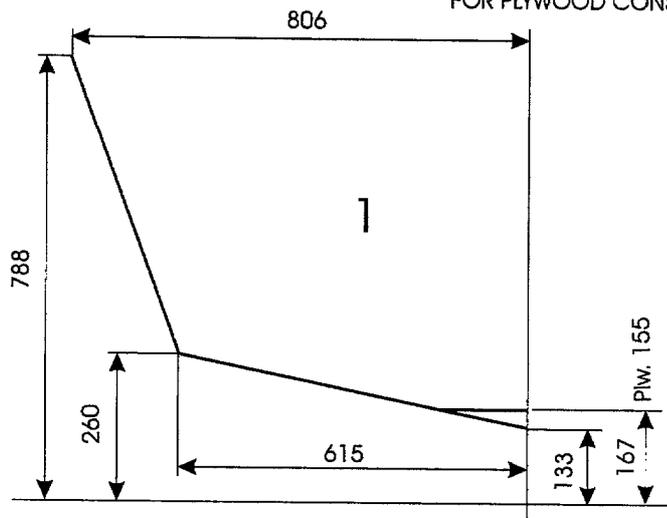

Frame 3 — 911, 746, 231, 705, 75, 110, Plw. 98

NOTE THE CHANGE IN THE BOTTOM FRAME
FOR PLYWOOD CONSTRUCTION = Plw.

4

874

759

255

665

Plw. 98

75

110

5

766

807

314

564

Plw. 98

73

110

6

580

886

420

400

Plw. 98

73

110

7

323

989

460

154

Plw. 210

145

210
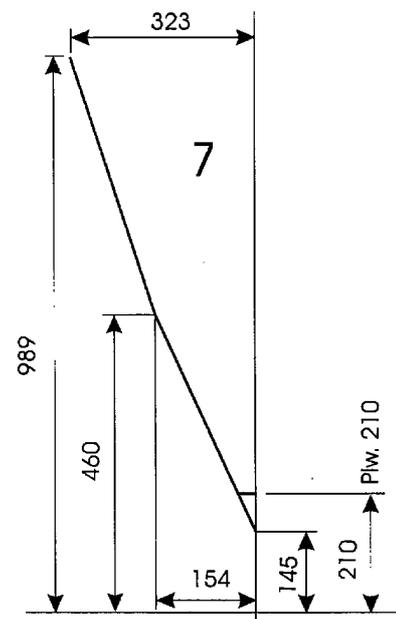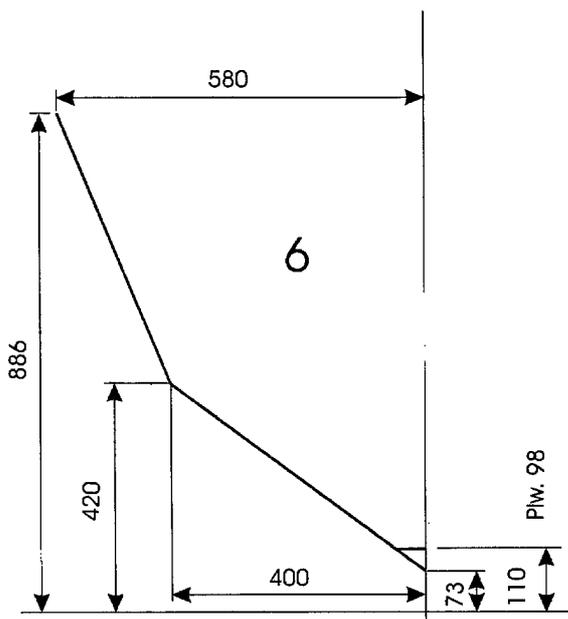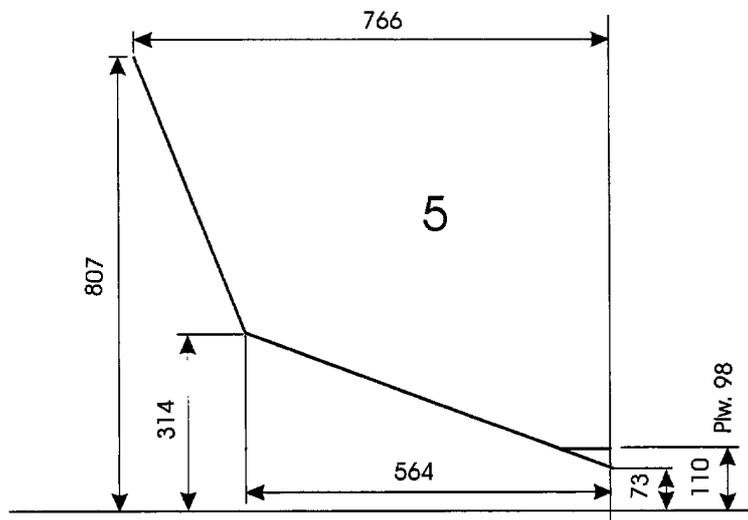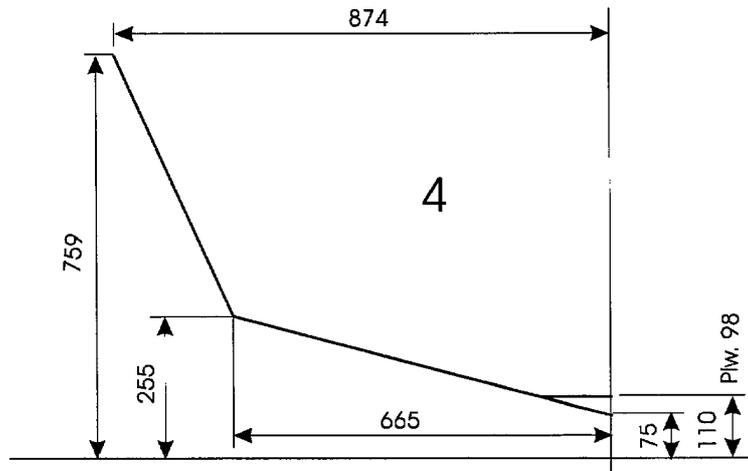
Use a sheet of ordinary plywood, thickness = 9 mm or 12 mm and cut as shown.

2400

150

Straight edge
Ruler

1200

FOR FRAMES

Spare

Straight edge
Ruler

2000

100

1000

Building base

700

Centerline

700

Base line

1000

EXAMPLE : TRANSOM = T

Ruler

Mark line

Mark line

882

882

1

2

700   700

Sheer

Do the same for
the chine

534

272

220

3

4

Construction base for transom

715

5

1

3

T

4

4

T

3

1

2

T

T

2

1

2

2

1
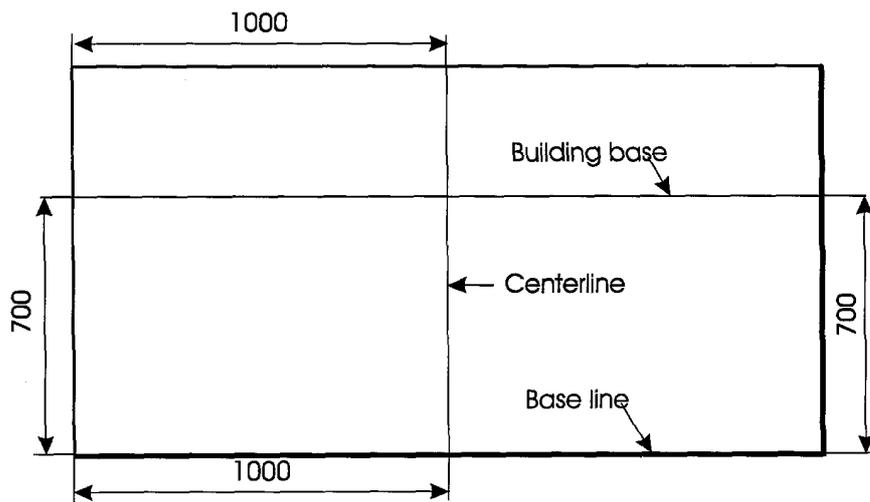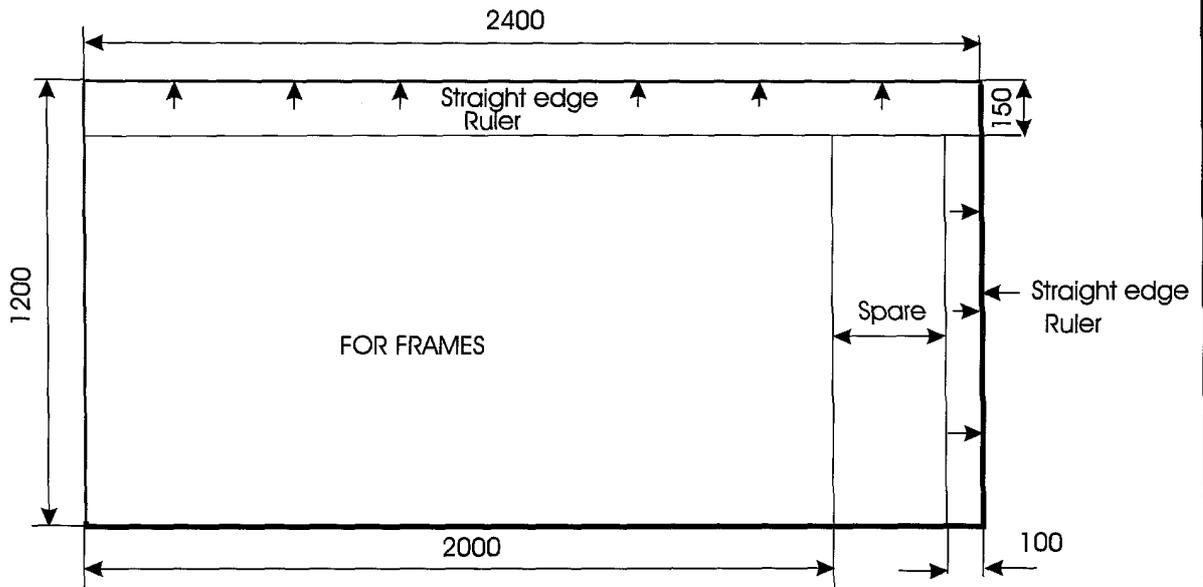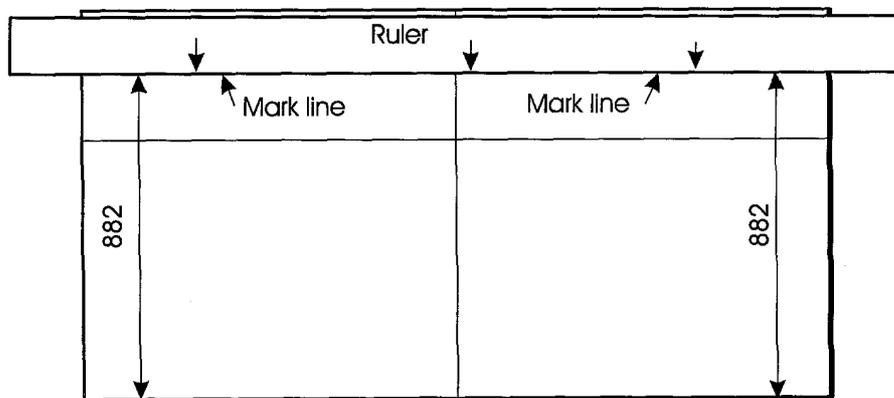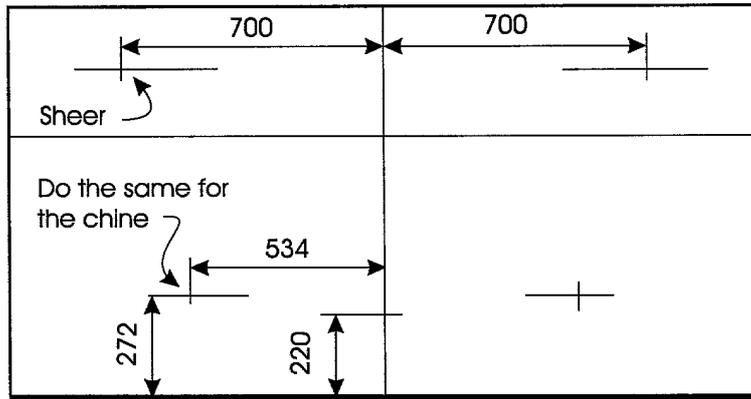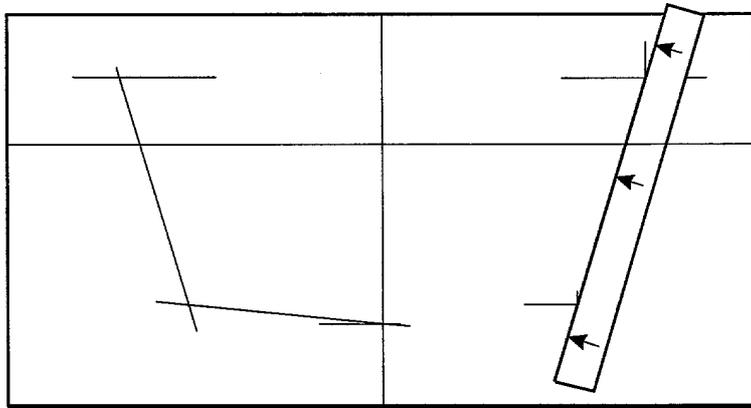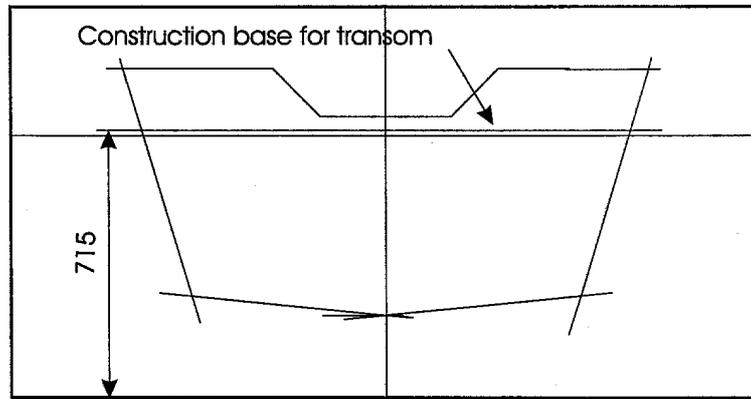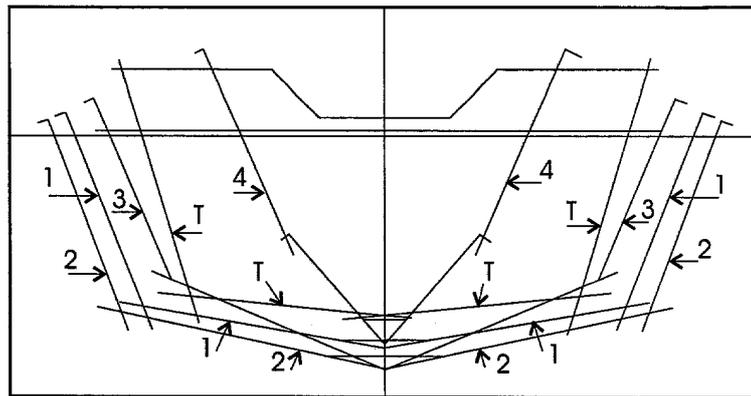
The beam of the various boats can be modified on the basis of the frame dimensions given in pages 6 to 10. The maximum increase in the beam is 20 % which means that the moulded beam increase from 1.85 m to 2.20 m.

As an example how this is done is taken the frames from midship and forward.
Start with the widest frame and multiply the half beam with the chosen factor of increase, in this case = 1.2. Draw a line parallel with the base line and mark off the new beam.

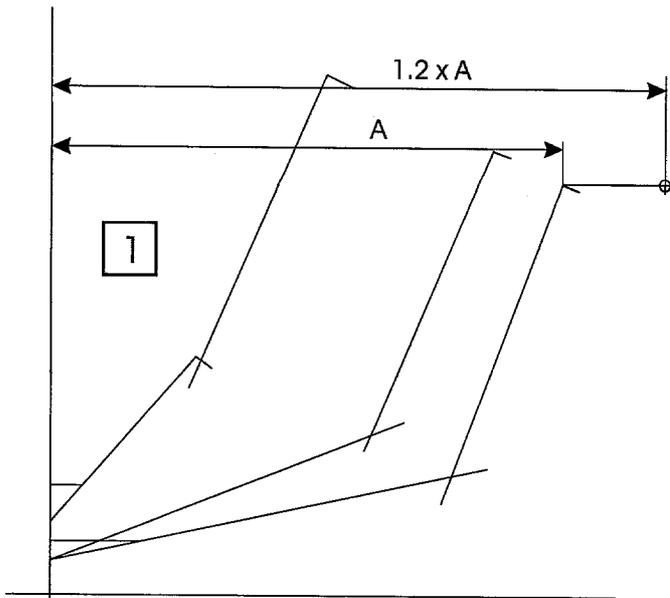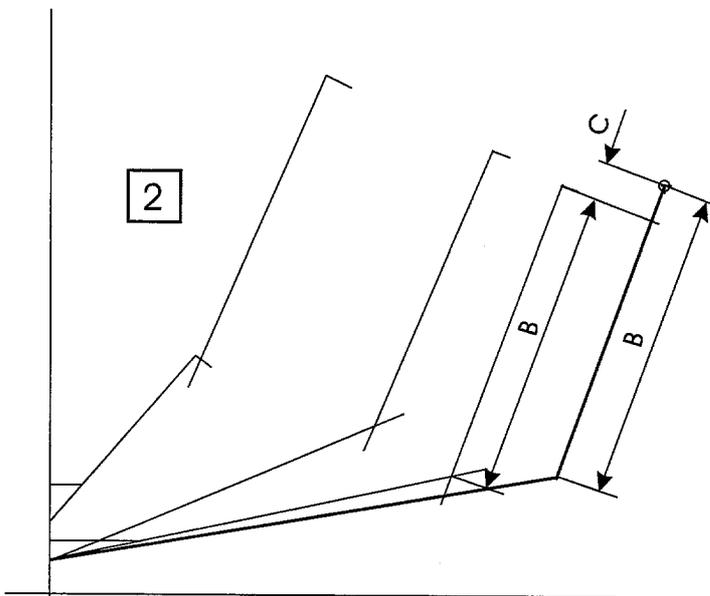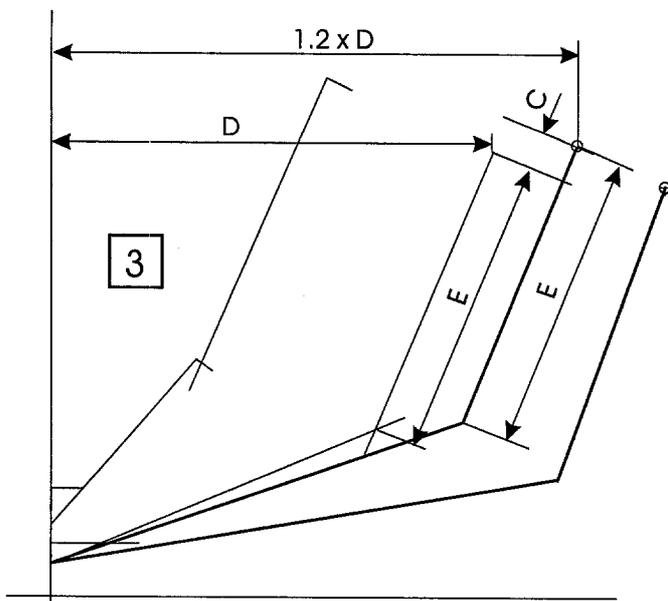From this new sheerpoint, draw a line parallel with the old sideframe and transfer the length of the sideframe= B and mark off the new chinepoint. Draw the new bottom frame. Draw a line at right angle to the side - frame through the old sheerpoint. Measure the distance C from the new sheerpoint down to this line.

On the next frame, draw a line through the sheerpoint and at right angle to the sideframe. Draw a parallel line at a distance = C.
Multiply the halfbeam of this frame with the factor = 1.2 and mark off the new sheerpoint on the parallel line drawn earlier.
Transfer the length of the old sideframe = E to the new sideframe in the same way as done for the midship frame. From the new chinepoint draw the new bottomframe.

4
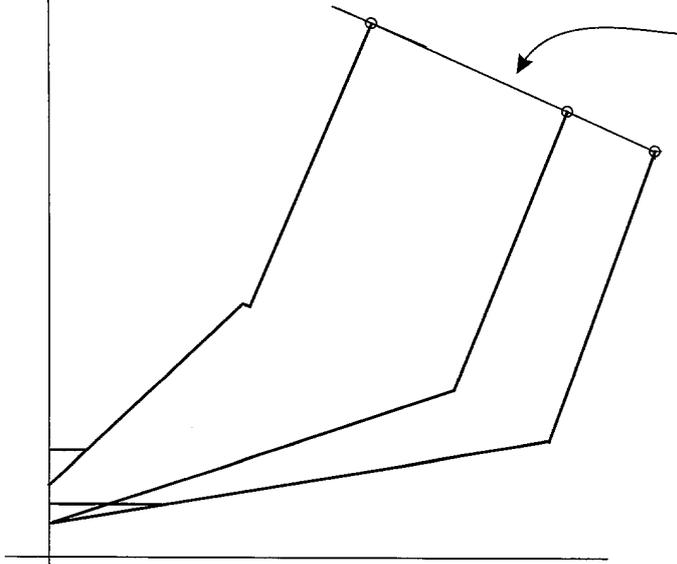
Modify the remaining frames in the same way.
Check the result by drawing a line through the sheerpoints. This should give an even curve close to a straight line.

Do the same for the frames aft of midship, starting with the midship frame.
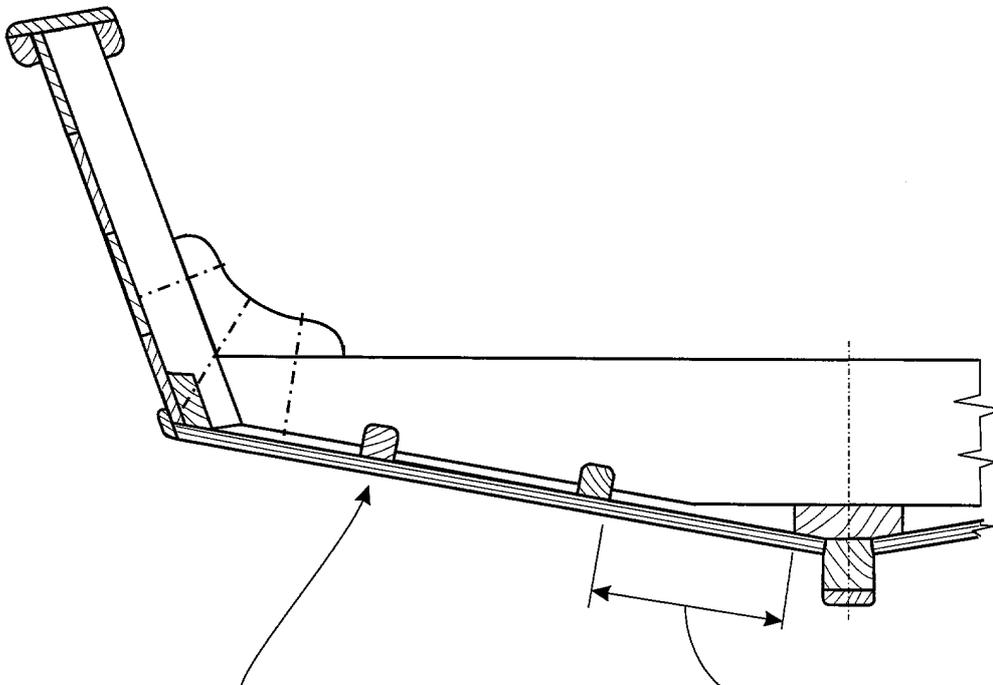
Increasing the beam from the original designs will require an extra batten in the bottom.

Forward only one batten is required provided the span of the planking is below 270 mm.