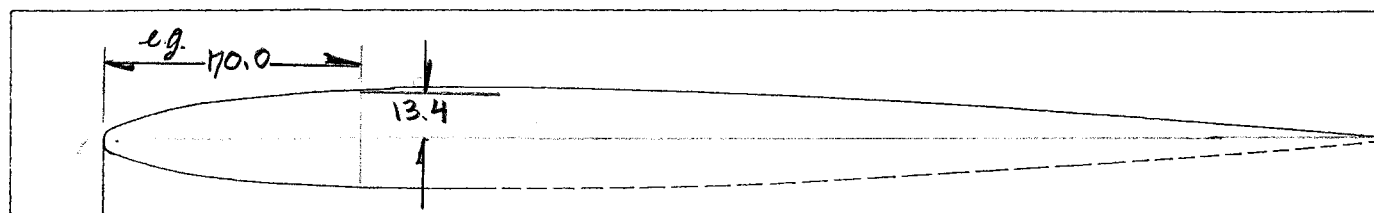


NOSE

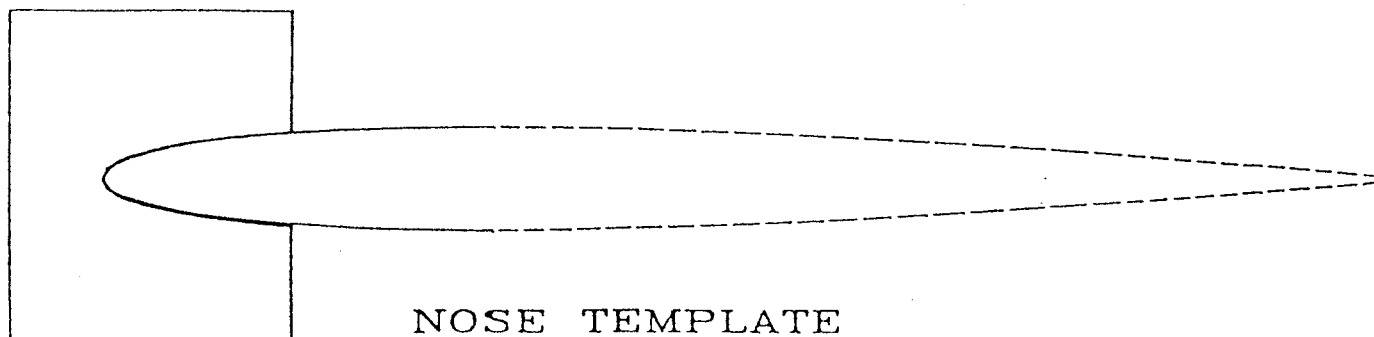
MAX UNGLASSED TH

CENTREBOARD PROFILEBUILDING INSTRUCTIONS

- 1) THE CENTREBOARD MAY BE CONSTRUCTED FROM SUITABLE MARINE TIMBER, EG, WESTERN RED CEDAR, WITH A PVC FOAM CORE, EG, DIVINYLCCELL H80.
- 2) BUY 30 X 75 X 1400 TIMBER SECTIONS AND RIP THEM TO THE BOARD THICKNESS OF 28.
- 3) LAY SECTIONS SO THAT ADJACENT TIMBERS HAVE GRAINS RUNNING IN OPPOSITE DIRECTIONS.
- 4) GLUE SECTIONS TOGETHER ON FLAT BENCH OR LEVELLED SAW HORSES WITH AN MARINE CLAMPING SHOULD BE FIRM TO REMOVE EXCESS GLUE FROM JOINTS BUT NOT SO AS TO DISTORT THE PROFILE.
- 5) THE ABOVE PROFILE SHOULD BE CHECKED FOR REPRODUCTION DISTORTIONS AND REDRAW OFFSETS GIVEN, AND TWO PLYWOOD TEMPLATES MADE AND TACKED TO THE BLANK'S ENDS. THE FOLLOWING TWO TEMPLATES SHOULD ALSO BE MADE TO CHECK THE SECTION THE SECTION DURING THE SHAPING PROCESS



HALF TEMPLATE



NOSE TEMPLATE

50

THICKNESS = 28mm

LE

TAIL

PROFILE OFFSETS

RED CEDAR OR

mm.

IONS:

EPOXY.
CAUSE BRUISING.N USING THE
S TO ASSIST IN SHAPING.
TION SHAPE MIDLENGTH

DISTANCE FROM NOSE	1/2 THICKNESS OFFSET
0.0	0.0
4.4	4.4
8.8	6.1
17.5	8.3
26.3	9.8
35.0	10.9
52.5	12.5
70.0	13.4
87.5	13.9
105.0	14.0
140.0	13.5
175.0	12.3
210.0	10.6
245.0	8.5
280.0	6.1
315.0	3.4
350.0	.3
NOSE RADIUS	3.9

HUGHES NAVAL ARCHITECTS

Consultant Naval Architects and Marine Surveyors

12 Waine Street

HARBORD N.S.W. 2096

Tel - (02) 906 - 2568

Project: -

Vaucluse Junior Update

Drawn: - Craig Hughes

Date: - 24/12/90

Drawing Title: -

Centreboard Construction

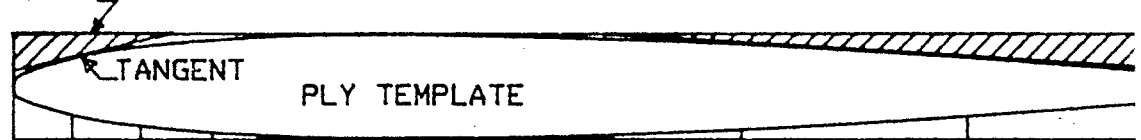
Drawing No. Revision

CB 01 0

BUILDING INSTRUCTIONS (CONT')

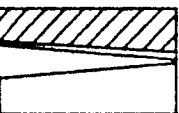
- 1) TACK PLY TEMPLATES TO ENDS OF BLANK.
- 2) CENTREBOARD IS SHAPED BY PLANING ALONG SURFACES TANGENTIAL TO

MATERIAL TO BE
REMOVED



- 3) MARK AND RUN ENDS OF TANGENT LINES DOWN LENGTH OF BOARD ON SIDE BLANK. PLANE TO THESE LINES.
- 4) REMOVE THE SAME SHAPE ON THE OTHER SIDE. THE PROCEDURE IS REPEATED WHERE FLAT SURFACES EXIST.
- 5) SURFACE FAIRNESS CAN BE CHECKED USING THE HALF AND NOSE TEMPLATE.
- 6) FINAL FAIRING IS ACHIEVED BY SANDING.
- 7) FOR TIMBER BOARD APPLY ONE LAYER OF 200 GRM 'S' GRADE GLASS AND APPLY TWO LAYERS.

THE PROFILE



ES AND FRONT OF

ATED UNTIL SMALL

TES.

FOR FOAM

DEPENDENT UPON TYPE OF COCKPIT AND
MAX PROTRUSION OF BOARD UNDER HULL

350

10°

135

CENTREBOARD DIMENSIONS

HUGHES NAVAL ARCHITECTS

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CB-02

0

CASE OPENING = 355mm

60 x 16 CASE TOP

A —

4MM PLYWOOD CASE SIDES

KEEL

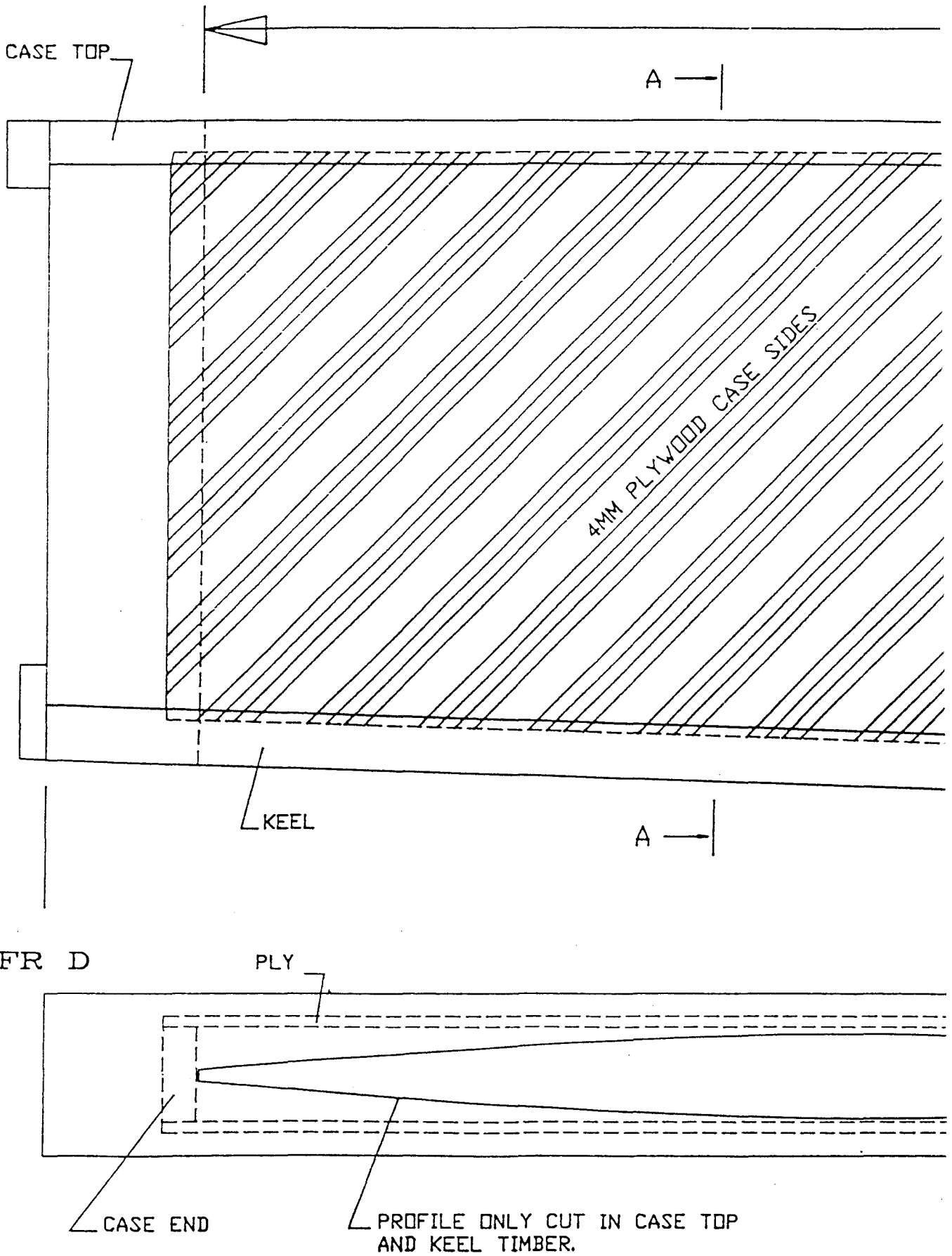
A —

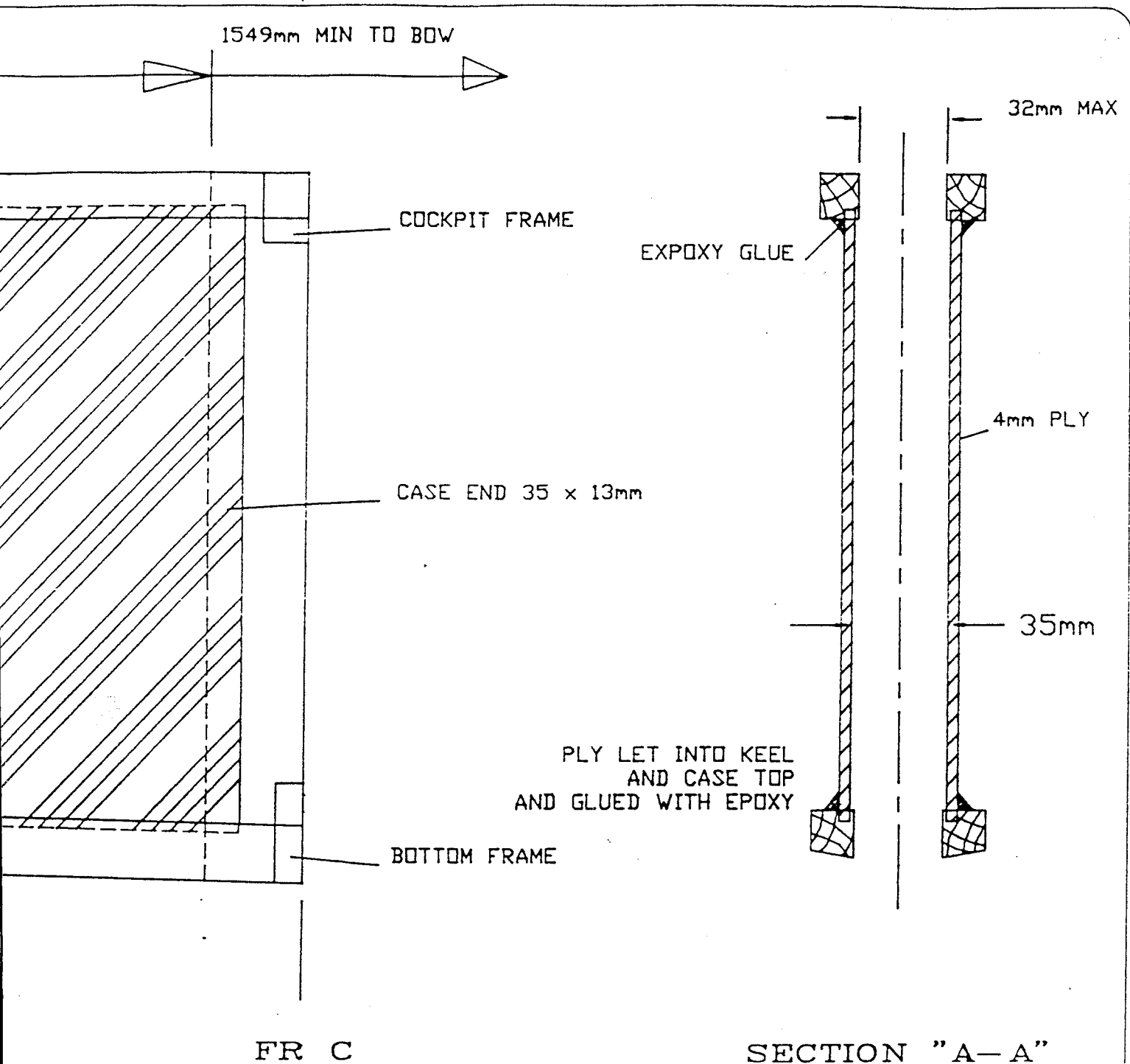
FR D

PLY

CASE END

PROFILE ONLY CUT IN CASE TOP
AND KEEL TIMBER.





HUGHES NAVAL ARCHITECTS

Consultant Naval Architects and Marine Surveyors

12 Waine Street

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Drawn: - Craig Hughes

Date: - 25/12/90

Drawing Title: -

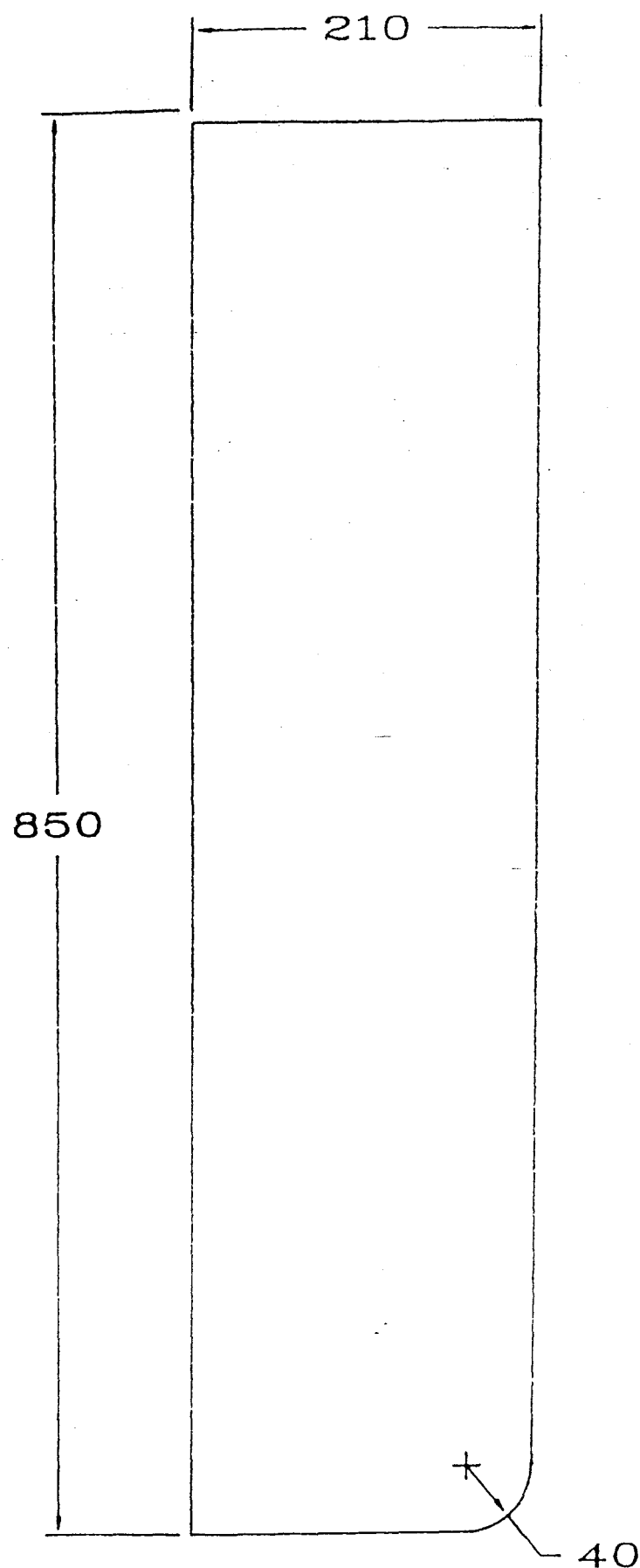
Centreboard Case

Drawing No: -

CB 03

Revision

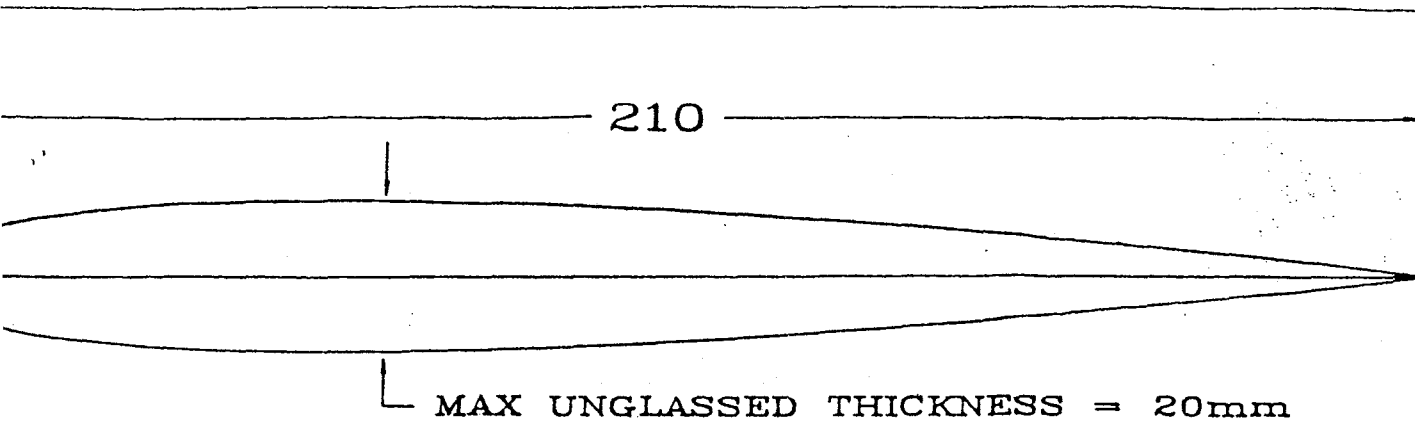
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RUDDER
DIMENSIONS

CONSTRUCTION

- 1) RUDDER MAY BE MADE FROM A SUITABLE CEDAR, OR PVC FOAM, EG, DIVINYLCER
- 2) CONSTRUCTION AND SHAPING METHOD: CENTREBOARD
- 3) TIMBER BLADE TO GLASSED WITH ON AND FOAM BLADE TO HAVE TWO LAYERS
- 4) INWAY OF BOLT HOLES, HOLE IN CORNER BOLT DIAMETER AND FILLED WITH AN ADHESIVE TO CURE BEFORE BOLT IS FITTED.



RUDDER PROFILE

NOTES

MARINE TIMBER, EG, WESTERN RED
OAK H80.

ARE THE SAME AS FOR THE

LAYER OF 'S' GRADE GLASS
FIBRE.

TO BE THREE TIMES THE
EPOXY FILLER AND ALLOWED

PROFILE OFFSETS

DISTANCE FROM NOSE	1/2 THICKNESS OFFSET
0.0	0.0
2.6	3.2
5.3	4.4
10.5	5.9
15.75	7.0
21.0	7.8
31.5	8.9
42.0	9.6
52.5	9.9
63	10.0
84.0	9.7
105	8.8
126	7.6
147	6.1
168	4.4
189	2.4
210	0.2
NOSE RADIUS	2.3

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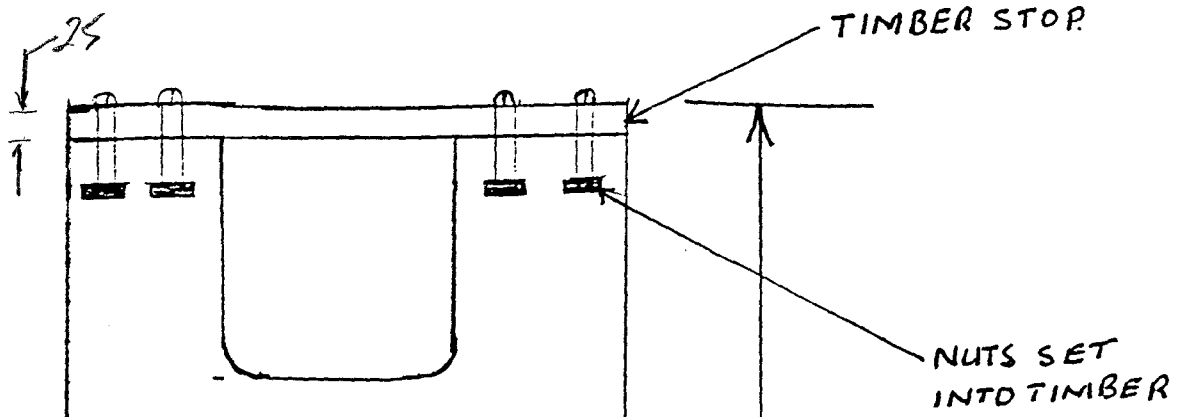
Drawing Title: -

Rudder Construction

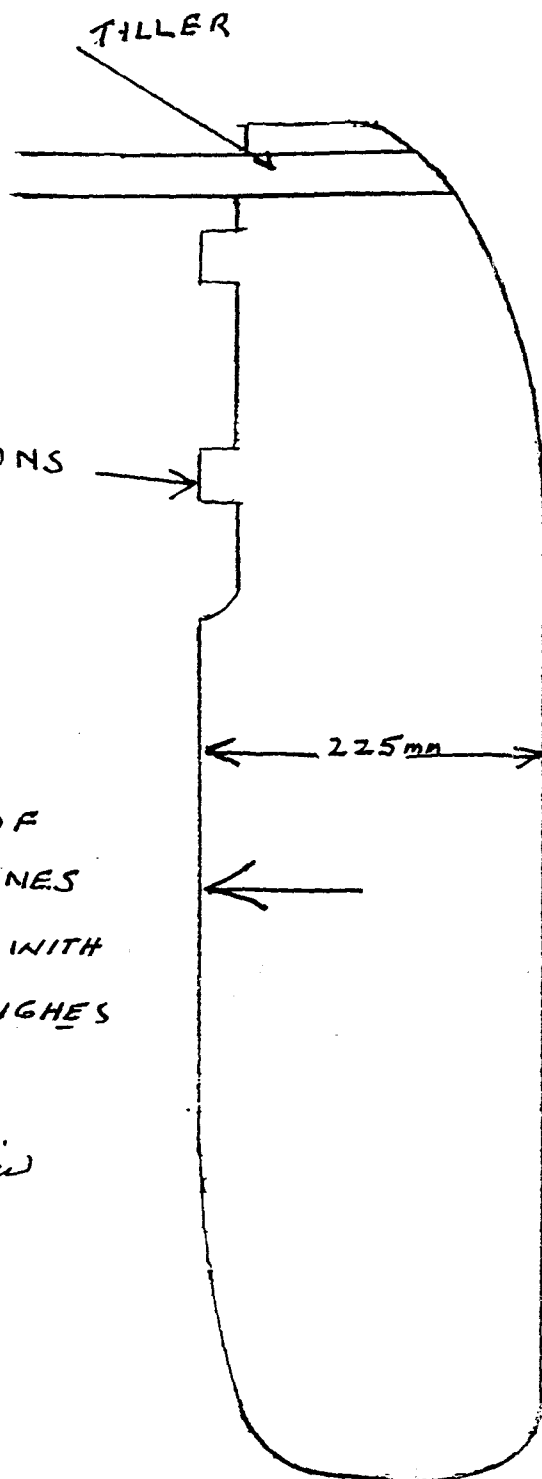
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RD 01

0



THIS IS THE SHA
CENTRE BOARD A
CURRENTLY USE
THE TOP VJ. 1
ARE IN NO WAY
THE PLANS C/A



PL OF THE
ND RUDDER
2 BY MOST OF
THESE OUTLINES
CONNECTED WITH
WN BY C. HUGHES

A. Kilday
Plans Office