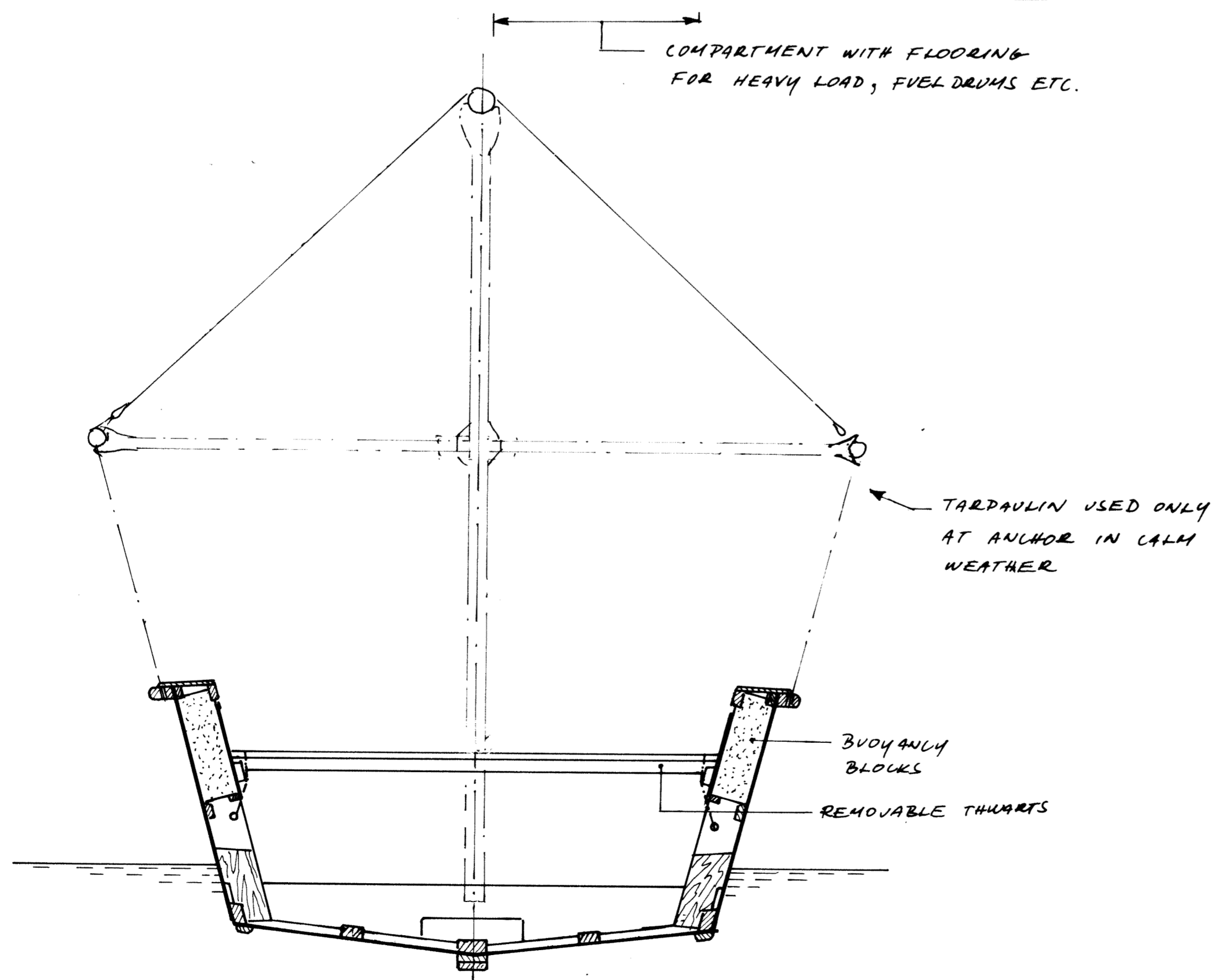
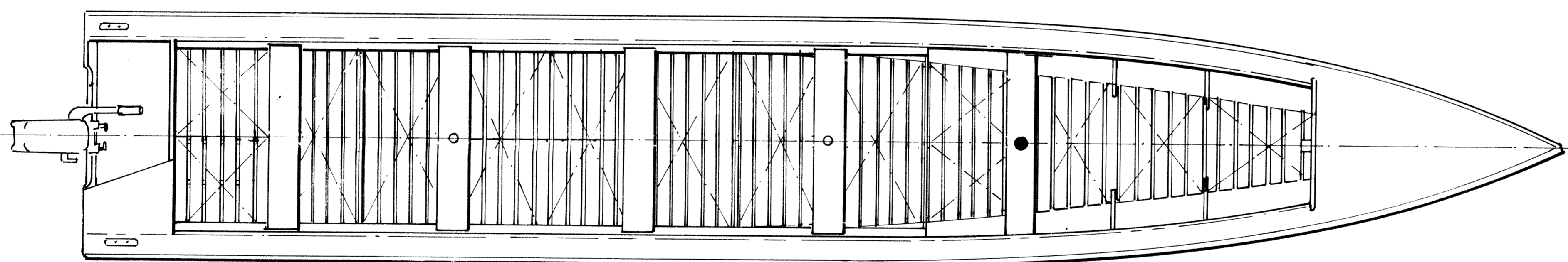
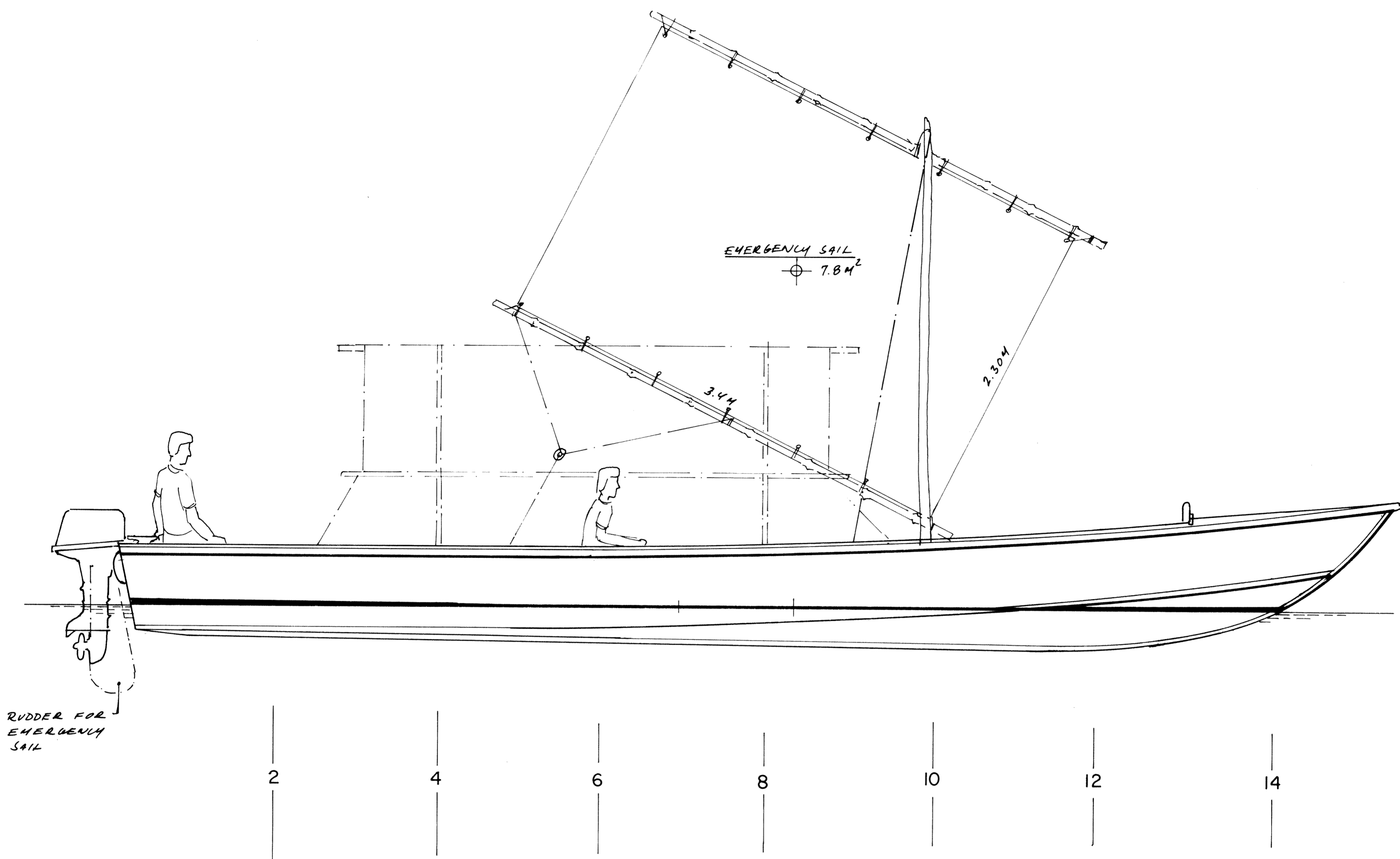
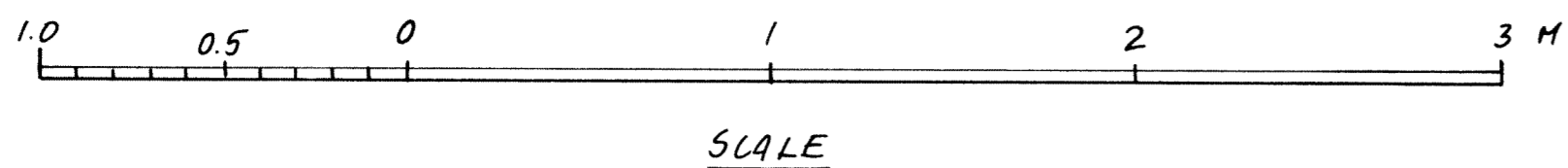


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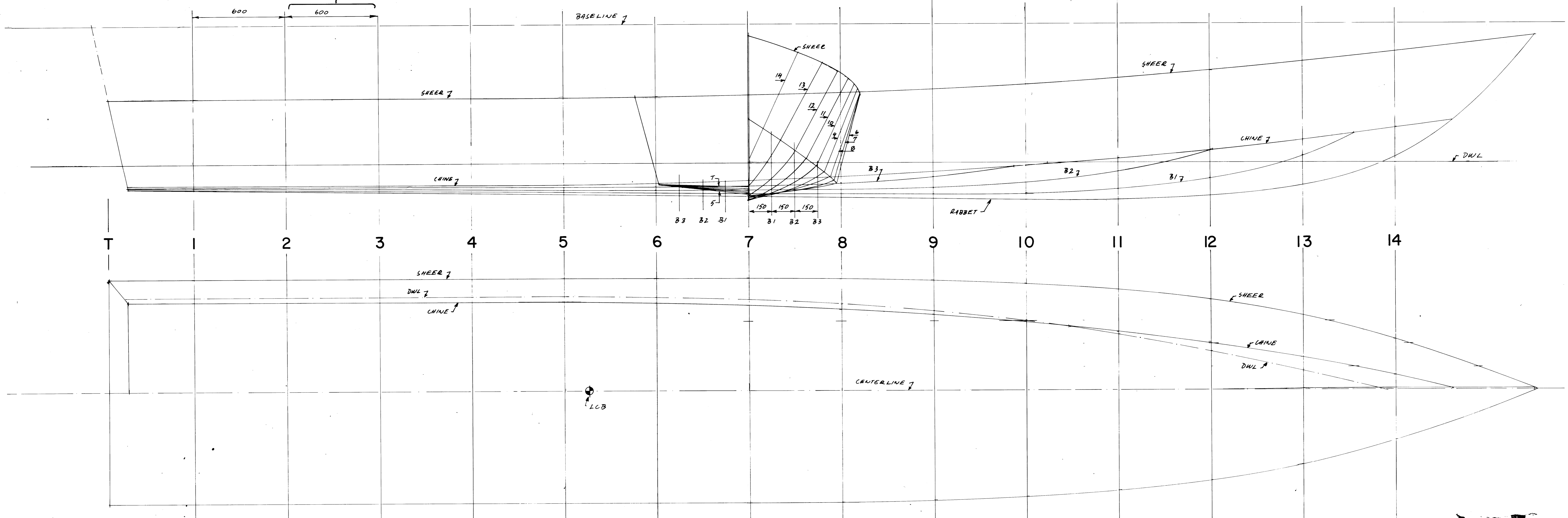
MIDSHIP SECTION
1:10

NOTE: FOR INCREASED CARRYING CAPACITY THE LENGTH OVERALL CAN BE INCREASED TO 10.5 M BY INSERTING TWO FRAMES BETWEEN ST. 2 AND 3

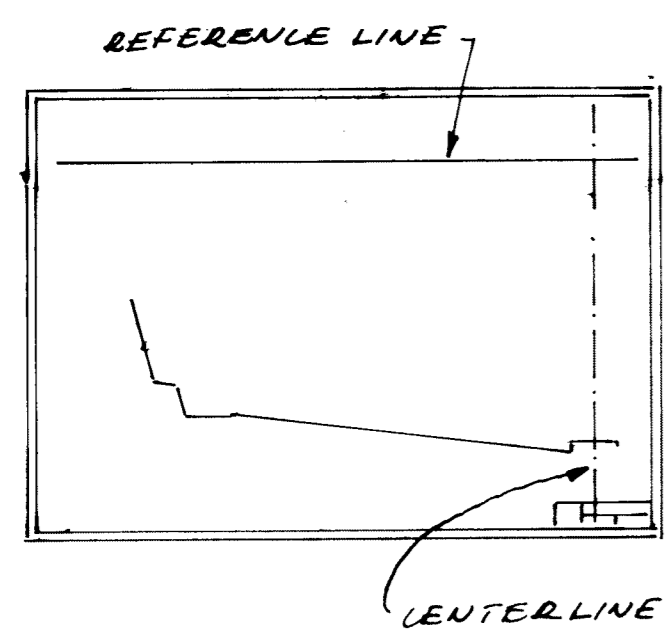
| PARTICULARS | |
|--|---------------------------|
| LENGTH OVER ALL | LOA = 9.30 M |
| BEAM MOULDED | B = 1.50 M |
| BEAM MAXIMUM | B _{MAX} = 1.61 M |
| DEPTH MOULDED TO RABBIT | D = 0.65 M |
| UBIC NUMBER LOA x B x D | LWD = 9.0 M ³ |
| LENGTH WATERLINE, DWL | LWL = 8.20 M |
| BEAM WATERLINE, DWL | BWL = 1.24 M |
| DRAFT MAXIMUM, DWL | T = 0.25 M |
| FREEBOARD MINIMUM, DWL | F = 0.44 M |
| WEIGHT EMPTY | = 500 kg |
| SERVICE LOAD, DWL | = 700 kg |
| DISPLACEMENT, DWL | = 1200 kg |
| MAXIMUM ALLOWED LOAD | = 1200 kg |
| ENGINE MAXIMUM, OUTBOARD, 25-30 HP, 20" SHAFT | |
| SERVICE SPEED, DWL | V = 12 KNOTS |
| SAFETY FEATURES: TARPAULIN 7.8 M ² USED AS EMERGENCY SAIL | |
| POSITIVE FLOTATION SUBMERGED = 390 kg | |
| OF WHICH IN BUOYANCY BLOCKS = 160 kg | |

| | | |
|---------------------|---------------------|-----------|
| | 9.3m Canoe | |
| | GENERAL ARRANGEMENT | |
| | SCALE = 1:10, 1:20 | DESIGN NO |
| DESIGN: P. Gullerud | PNG-8 A | I |
| Criststad, APRIL-91 | | |

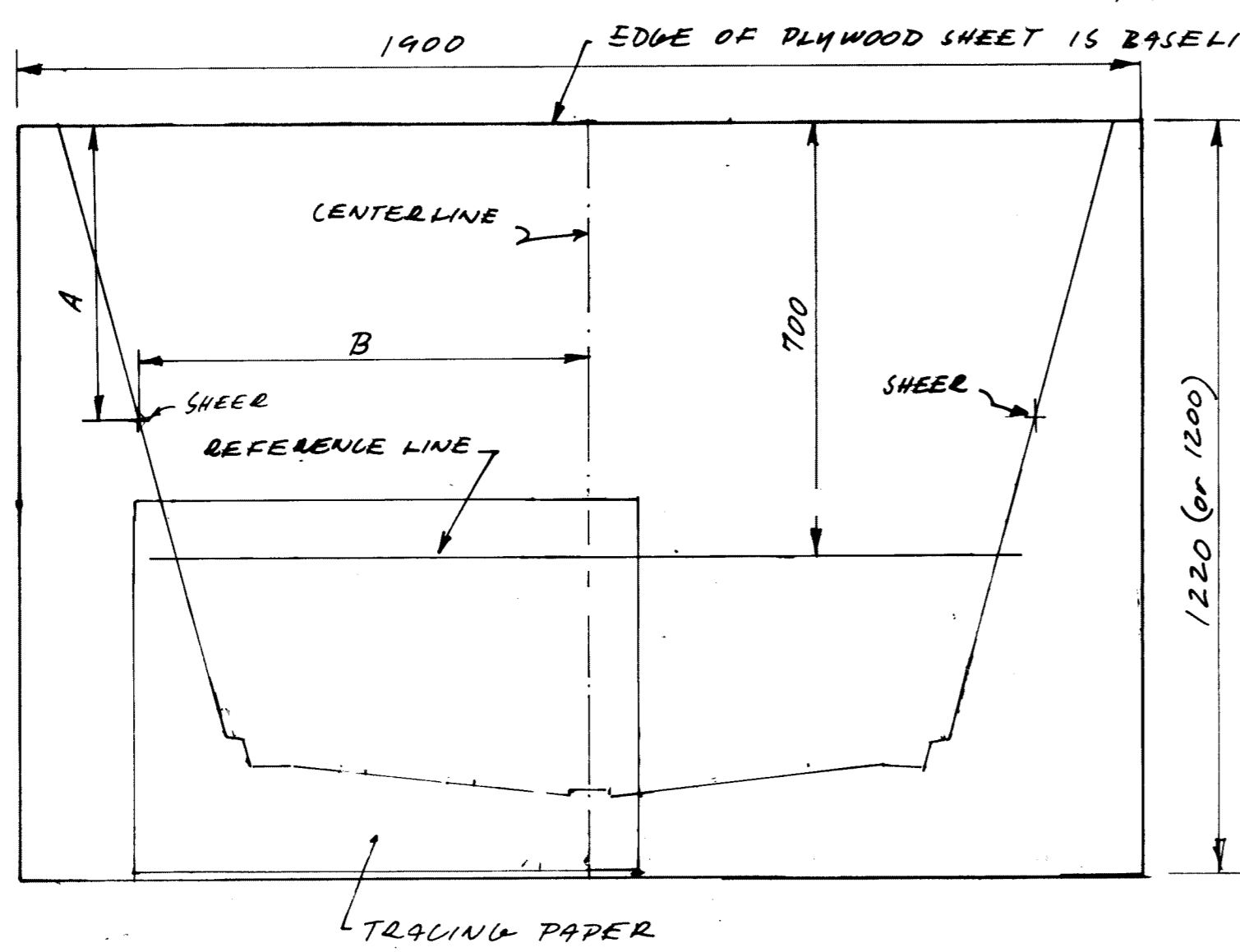
FOR INCREASED CARRYING CAPACITY THE CANOE CAN BE INCREASED IN LENGTH BY 1,2 M BY INSERTING FRAME 2A AND 2B



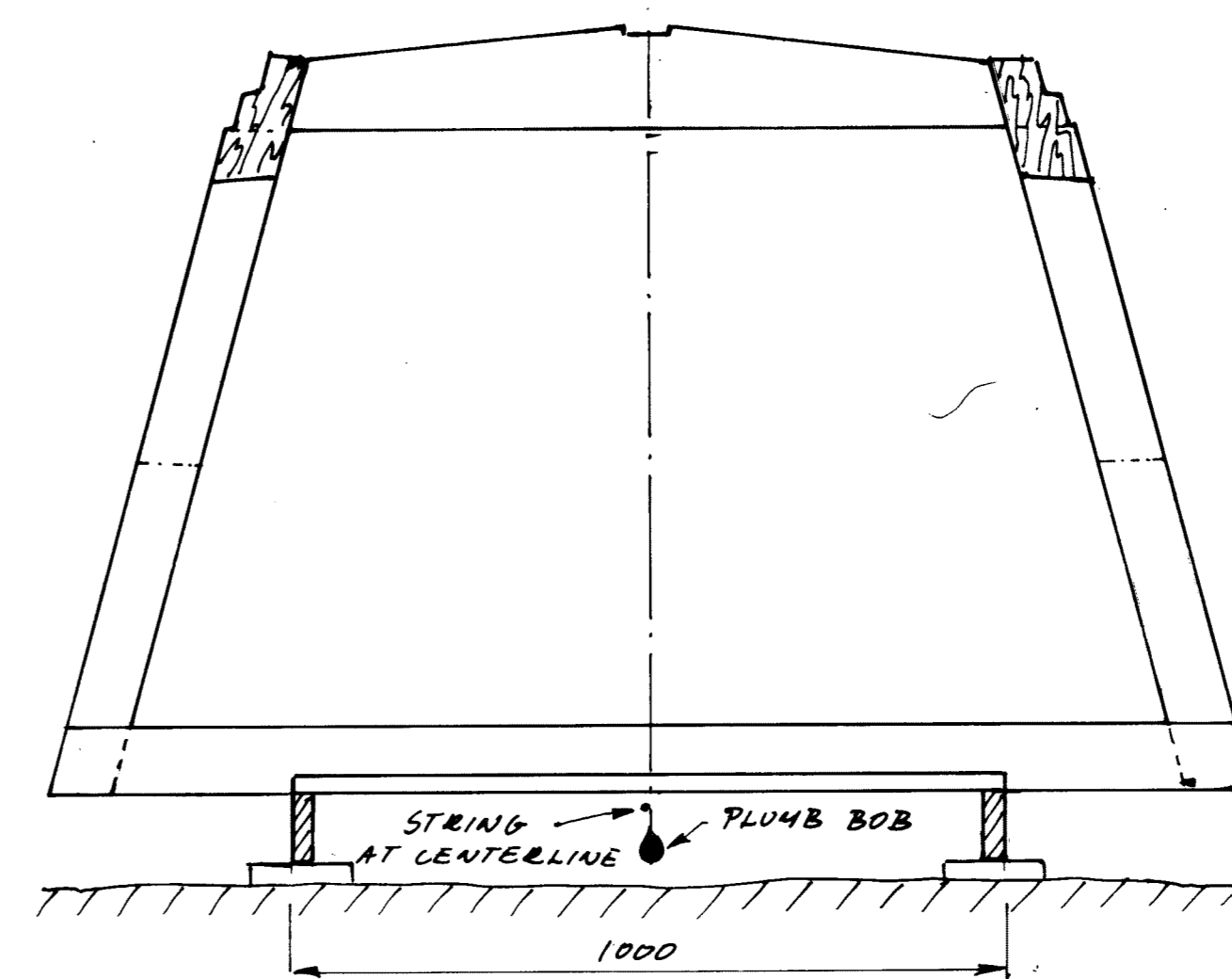
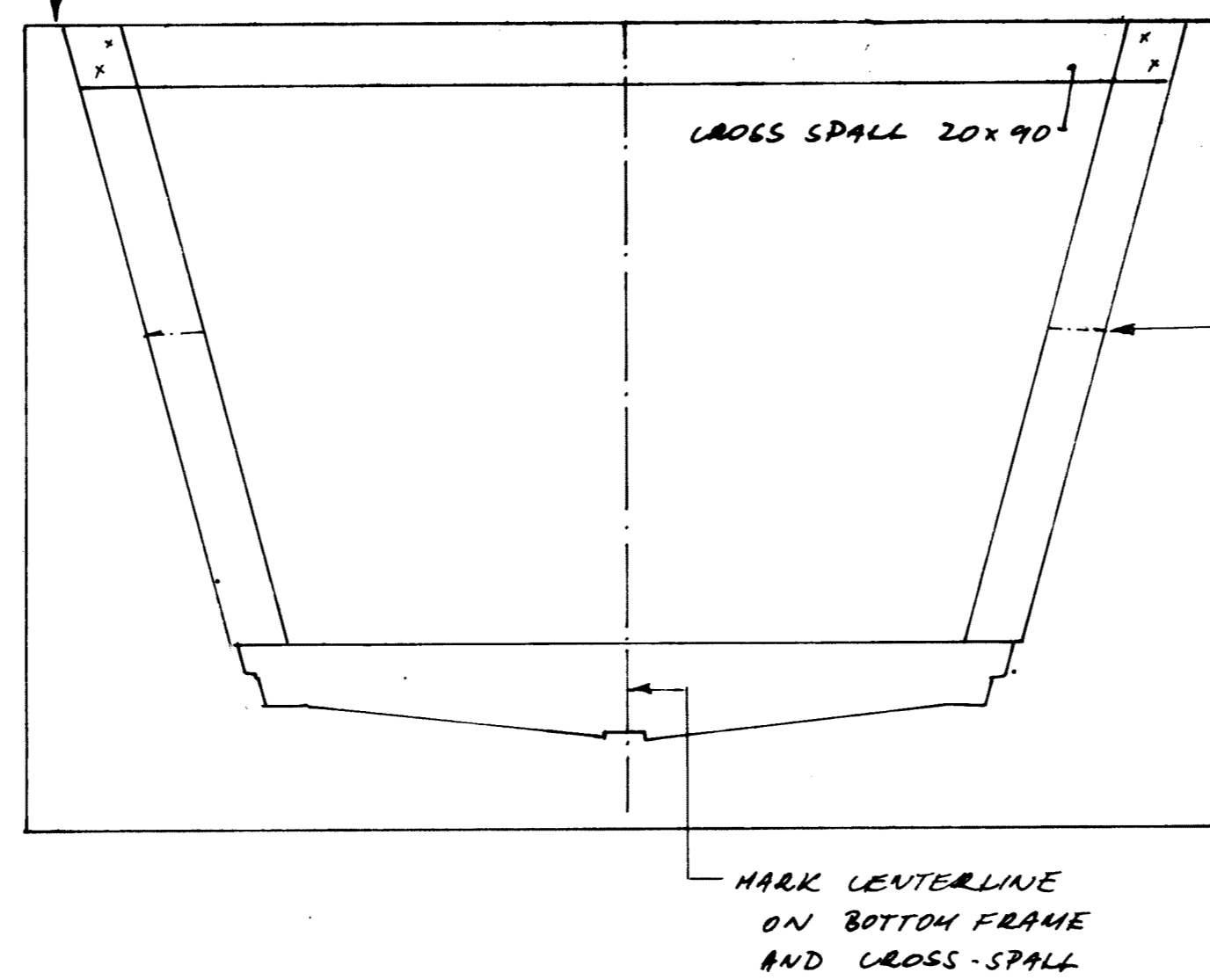
- 1) BUY A SHEET OF TRANSPARENT TRACING PAPER 60x80 CM
- 2) PUT THE FULLSCALE FRAME DRAWING (DRAWING NO 3) ON A FLAT FLOOR.
- 3) FIX THE TRACING PAPER FIRMLY TO THE DRAWING WITH TAPE OR PINS
- 4) TRACE OFF ALL THE FRAMES



- 5) CUT A SHEET OF PLYWOOD TO THE LENGTH OF 1900
- 6) THE EDGE OF THE PLYWOOD IS STRAIGHT AND CAN BE USED AS THE BASELINE. DRAW THE CENTERLINE EXACTLY AT RIGHT ANGLE TO THE BASELINE (MEASURE FROM THE STRAIGHT EDGE EXACTLY AT RIGHT ANGLE TO THE BASELINE WITH REFERENCE LINE 700 FROM BASELINE)
- 7) PLACE THE TRACING ON THE CENTERLINE AND WITH REFERENCE LINE 700 FROM BASELINE



- 8) FIX THE TRACING FIRMLY TO THE PLYWOOD AND TRANSFER THE LINES TO THE PLYWOOD BY PUNCHING THROUGH THE PAPER
- 9) TURN THE TRACING PAPER OVER. ALIGN CAREFULLY WITH THE CENTERLINE AND THE REFERENCE LINE. PUNCH THE LINES ON TO THE PLYWOOD
- 10) REMOVE TRACING PAPER. MARK SHEER POINTS. DRAW LINES BETWEEN POINTS.
- 11) MARK AND CUT OUT SHAPE OF BOTTOM FRAME AND SIDEFAMES
- 12) FIX TOGETHER WITH GUSSETS OF 9 PLYWOOD AND CROSS SPALL 20x90



| | | T | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| HEIGHT FROM BASELINE "A" | | 485 | 475 | 475 | 475 | 475 | 475 | 468 | 460 | 444 | 423 | 392 | 352 | 304 | 244 | 175 |
| DISTANCE FROM "B" CENTERLINE | | 730 | 730 | 730 | 730 | 730 | 730 | 730 | 727 | 717 | 693 | 650 | 585 | 482 | 328 | |

* MEASURED ALONG TRANSOM

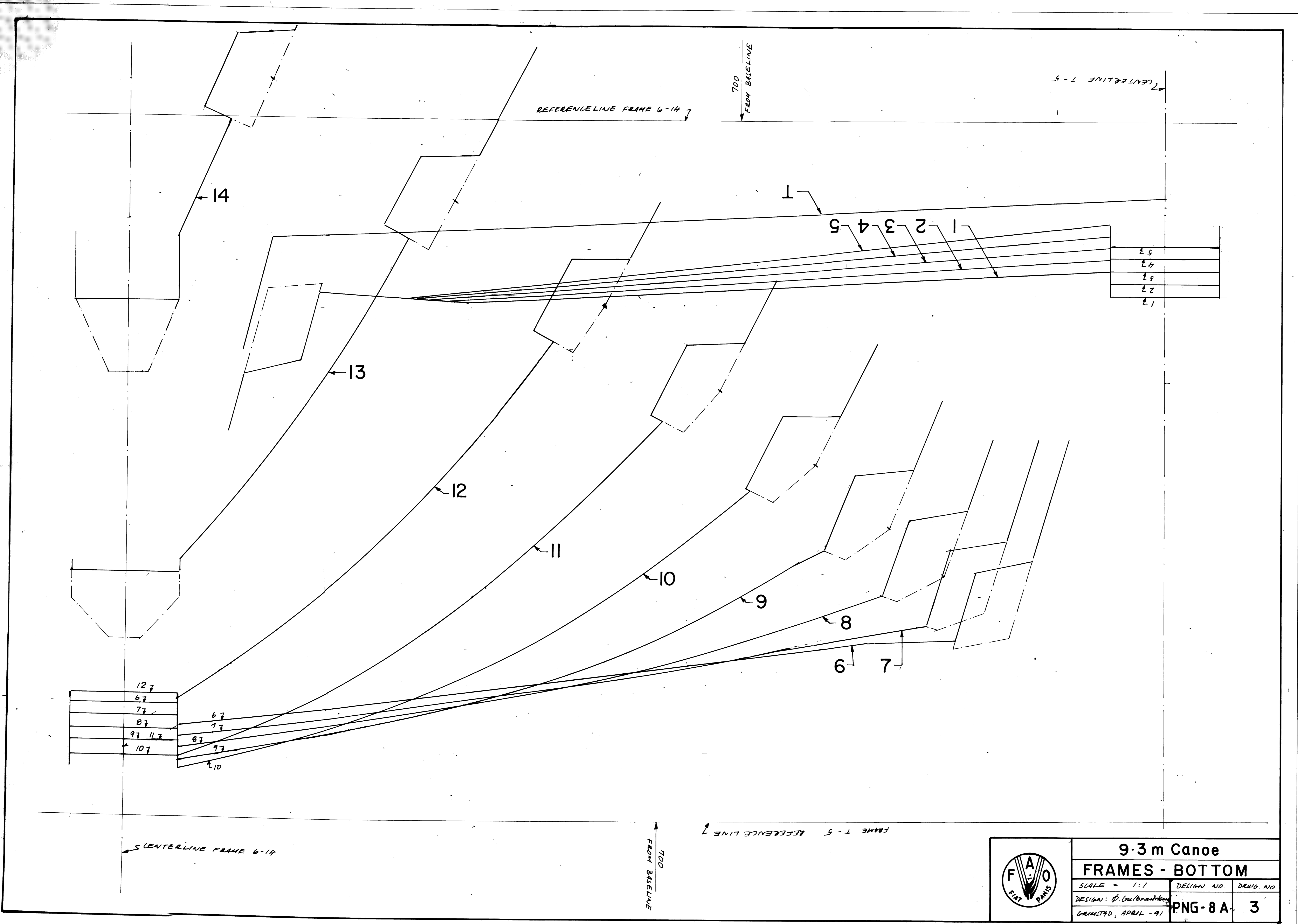
PARTICULARS

| | |
|--|--------------------------|
| LENGTH OVER ALL | LOA = 9,30 M |
| BEAM MOULDED | B = 1,50 M |
| DEPTH MOULDED | D = 0,65 M |
| CUBIC NUMBER LOA x B x D | LN = 9,04 M ³ |
| LENGTH, DWL | LWL = 8,24 M |
| BEAM, DWL | BWL = 1,24 M |
| DRAFT MOULDED | T = 0,21 M |
| DRAFT, MAXIMUM | T _M = 0,25 M |
| WEIGHT, EMPTY WITH ENGINE | = 500 Kg |
| SERVICE LOAD | = 700 Kg |
| DISPLACEMENT, SERVICE, DWL | Δ = 1200 Kg |
| MAXIMUM LOAD | = 1200 Kg |
| MAXIMUM DISPLACEMENT | = 1700 Kg |
| FREE BOARD, FORWARD, DWL | = 0,83 M |
| FREE BOARD, MIDSHIP | = 0,96 M |
| FREE BOARD, AFT | = 0,94 M |
| COEFFICIENTS, DWL: | |
| $\frac{L}{B} = 6,6$, $\frac{D}{B} = 0,43$, $\frac{L}{D} = 2,28$, $\frac{L}{T} = 0,77$, $\frac{L}{T} \times \frac{L}{B} = 12,5$ | |
| SERVICE SPEED = 12 KNOTS WITH 25 HP OUTBOARD | |
| $\frac{L}{VT} = 2,3$ | |



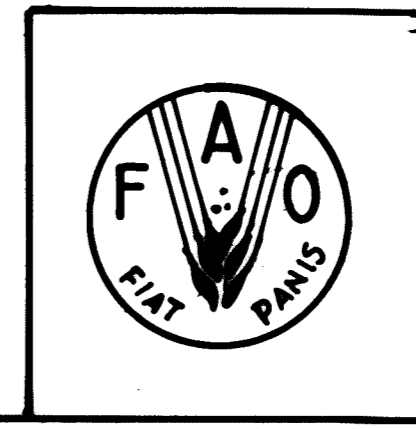
9.3 m Canoe LINES

| | | |
|----------------------|-----------|----------|
| SCALE = 1:10 | DESIGN NO | DRAW. NO |
| DESIGN: G. Gullerud | PNG-8 A | 2 |
| GRANITAD, APRIL - 91 | | |



| |
|---|
| 5 |
| 4 |
| 3 |
| 2 |
| 1 |

| |
|----|
| 12 |
| 6 |
| 7 |
| 8 |
| 9 |
| 10 |



9.3 m Canoe
FRAMES - BOTTOM

| | | |
|-----------------------|------------|------------|
| SCALE = 1:1 | DESIGN NO. | DRAWG. NO. |
| DESIGN: G. Gullstrand | PNG-8A-3 | |
| LIMITED, APRIL - 91 | | |

