C/line

Centres of Ø6 location
holes (offset, height):

690, 470
815, 415
715, 80
580, 80
645, -30
100, -135

762 on aft face
760 on fwd face

Notch for carling
25 x 12

Notch for sidedeck
stringer 20 x 12

Notch for shelf
50 x 12

Stiffener for under-deck
watertight partition

Centrecase continues
through frame

dwl

Notch for chine
50 x 12

Limber R25

Top of
backbone

48

24

Notch for backbone

C/line

Notes:

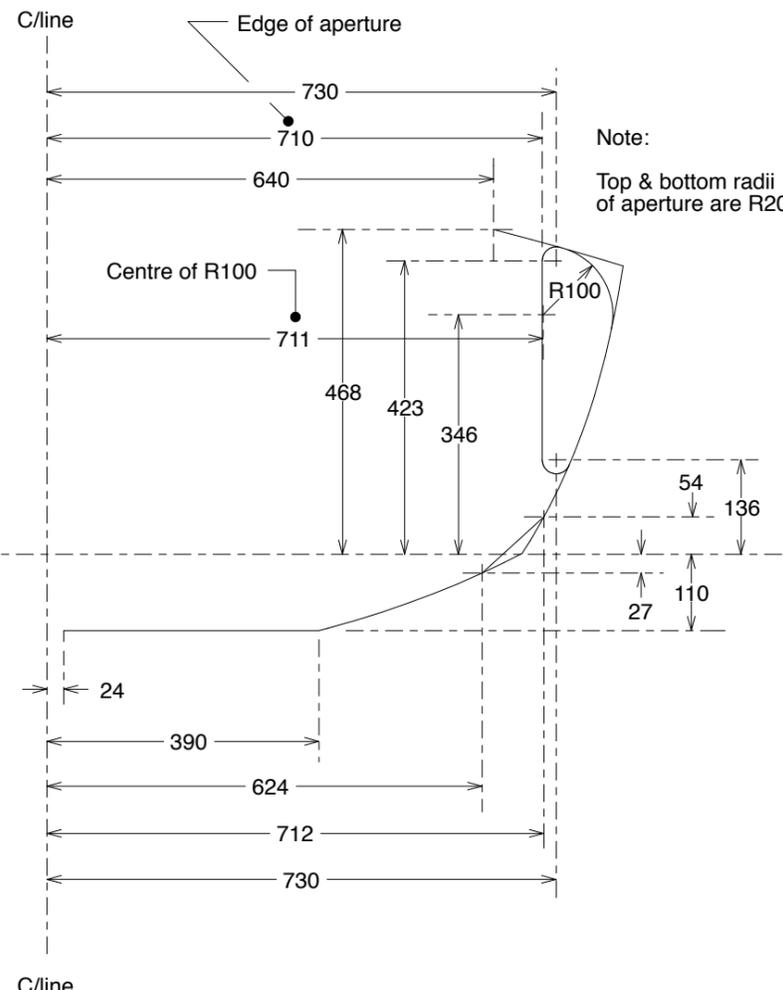Refer to Table of Offsets for Frames for data to set frame out.

Frame is 18mm sided.

To make frame from three layers of 6mm ply use data for Positions -2244,
-2238 &- 2232, with a stepped bevel on the outer edges.

To make frame from two layers of 9mm ply, use data for Position -2250
and bevel the outer edges.

To make the frame from solid timber, use data for Position -2250 and bevel
the outer edges. See instructions for further notes on solid timber construction.

Offsets for Inner Edge of Frame		
	Offset	Height
Deck		
Inner point	640	468
b 700	700	452
b 800	800	424
Sheer	826	416
Hull		
Sheer	826	416
wl 400	823	400
wl 300	803	300
wl 200	775	200
wl 100	735	100
Chine	681	1
dwl	678	0
b 600	600	-37
b 500	500	-76
b 400	400	-107
Top of Floor	390	-110

C/line

Edge of aperture

730

710

640

Note:

Top & bottom radii
of aperture are R20

Centre of R100

R100

711

468

423

346

54

136

27

110

24

390

624

712

730

C/line

Hull skin

Data for Aft Layer

Data for Mid Layer

Data for Fwd Layer
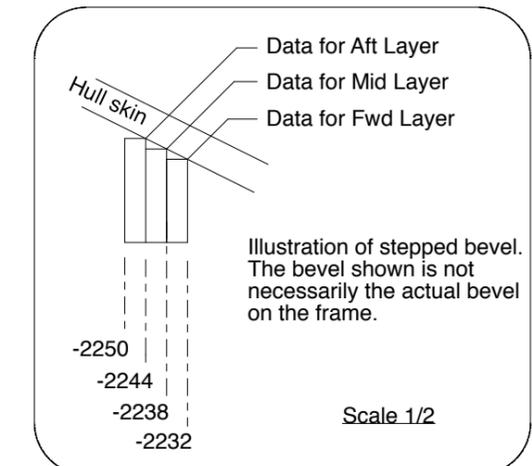
-2250

-2244

-2238

-2232

Illustration of stepped bevel.
The bevel shown is not
necessarily the actual bevel
on the frame.

Scale 1/2

90°

12

25

25
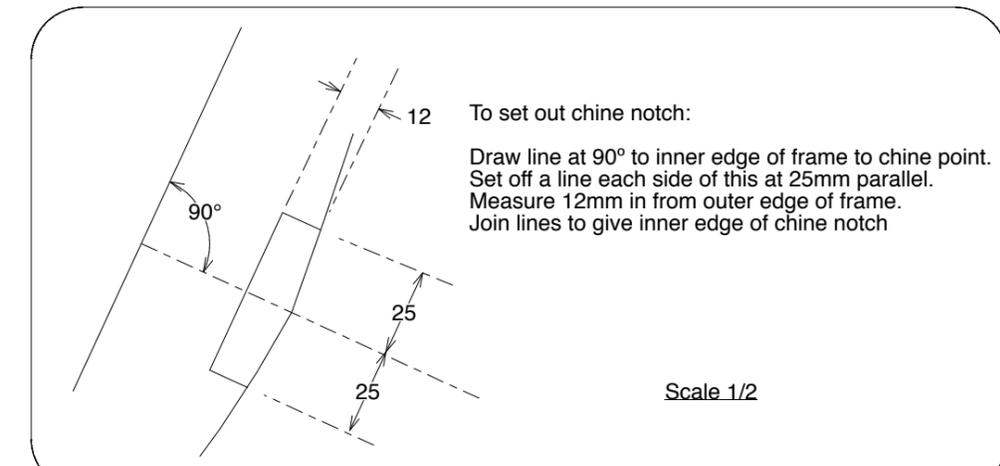
To set out chine notch:

Draw line at 90° to inner edge of frame to chine point.
Set off a line each side of this at 25mm parallel.
Measure 12mm in from outer edge of frame.
Join lines to give inner edge of chine notch

Scale 1/2
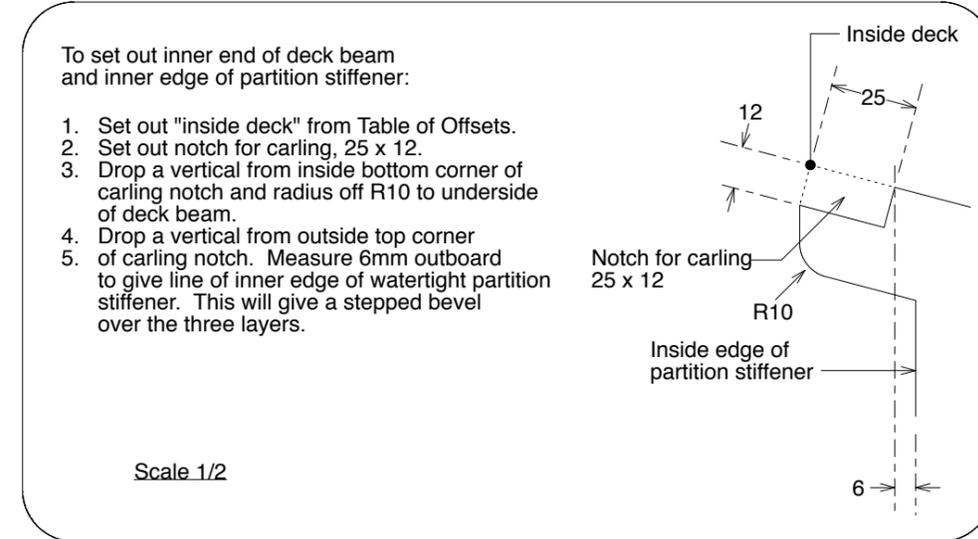
**To set out inner end of deck beam
and inner edge of partition stiffener:**

1. Set out "inside deck" from Table of Offsets.
2. Set out notch for carling, 25 x 12.
3. Drop a vertical from inside bottom corner of
   carling notch and radius off R10 to underside
   of deck beam.
4. Drop a vertical from outside top corner
   of carling notch. Measure 6mm outboard
   to give line of inner edge of watertight partition
   stiffener. This will give a stepped bevel
   over the three layers.

Inside deck

12

25

Notch for carling
25 x 12

R10

Inside edge of
partition stiffener

6

Scale 1/2

12

50

'A'

'B'

25
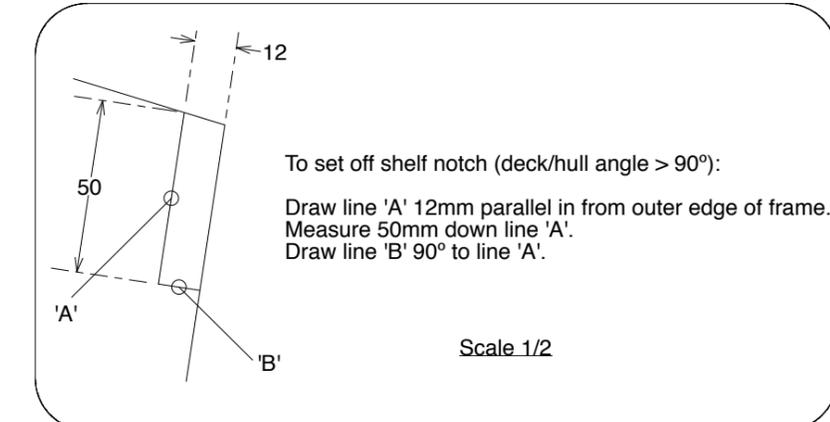
To set off shelf notch (deck/hull angle > 90°):

Draw line 'A' 12mm parallel in from outer edge of frame.
Measure 50mm down line 'A'.
Draw line 'B' 90° to line 'A'.

Scale 1/2

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Design 155

Frame -2250

Scale	1/10 & 1/2
Date	20 Aug 2013
Plan No.	155/004/003
Issue No.	01

All dimensions in millimetres
unless otherwise noted