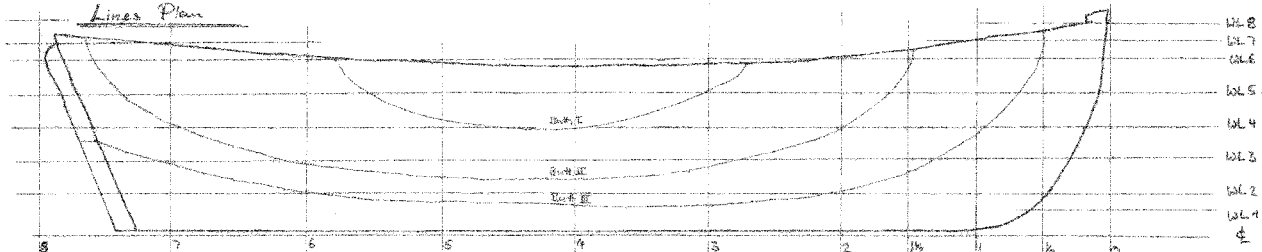
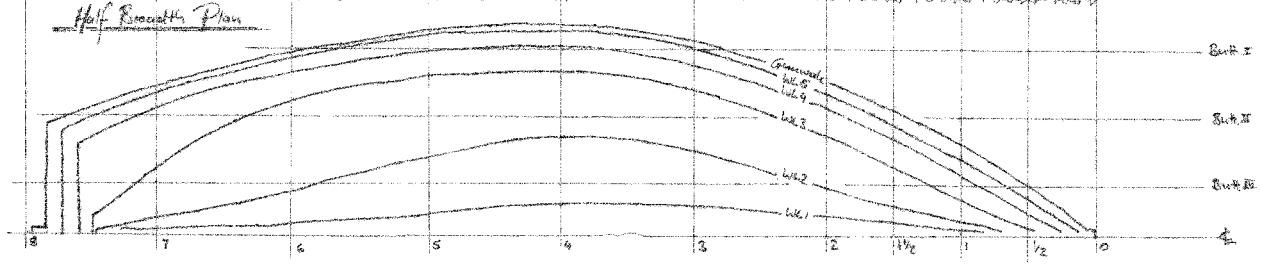
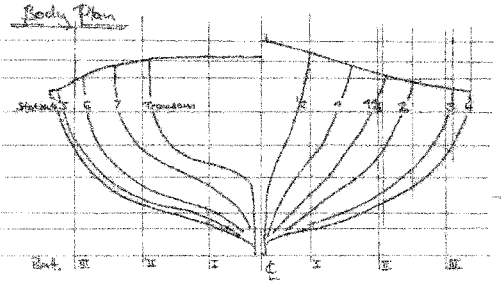
Lines Plan



Half Breadth Plan



Body Plan



Dimensions	
Length over all	16' 2"
Beam at Station 4	6' 6"
Depth at Station 4	2' 10"
Draft aft / forward	c. 18" / 18"

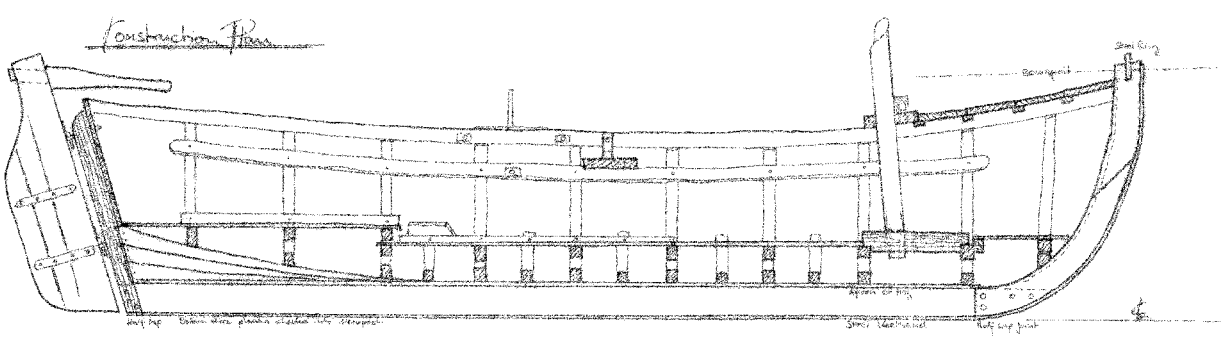
Table of Offsets

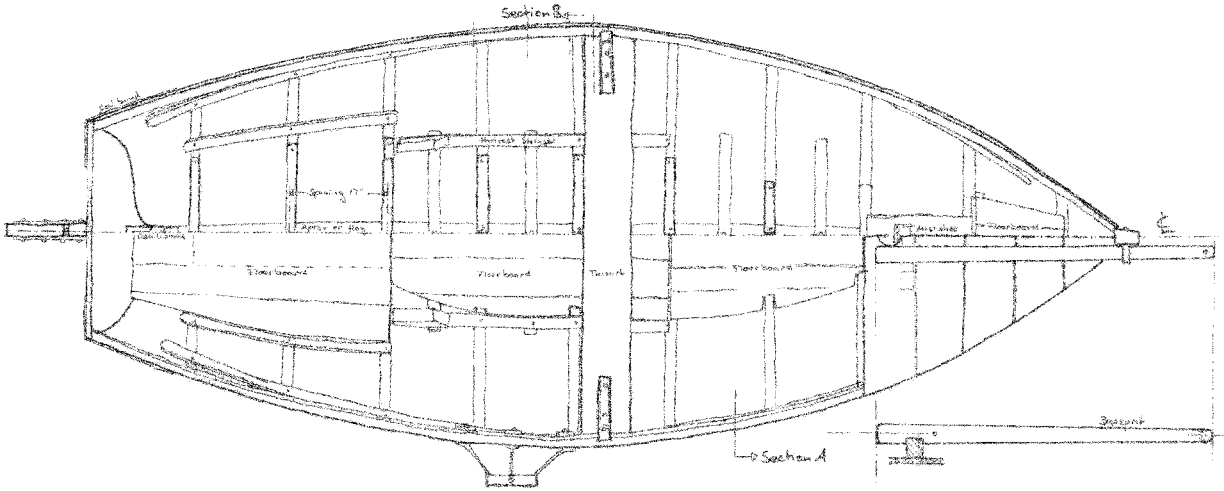
Station	Heights Port	Heights Stbd	Half Breadth (in feet, inches and eighths) Gunwale	WL 7	WL 6	WL 5	WL 4	WL 3	WL 2	WL 1
Station 0	-	-	-	0-1-2	-	-	-	-	-	-
Station ½	3-0-4	0-0-0	0-9-5	0-9-0	0-7-7	0-6-3	0-4-6	0-1-7	0-1-1	0-0-7
Station 1	2-10-2	0-0-0	1-4-5	1-3-6	1-1-4	1-1-7	0-11-2	0-8-6	0-6-6	0-3-2
Station 1½	2-8-4	0-0-0	1-10-1	-	1-9-7	1-7-2	1-4-3	1-0-4	0-5-7	0-2-4
Station 2	2-7-4	0	2-3-3	-	2-2-5	2-1-3	1-10-2	1-5-5	0-8-5	0-4-5
Station 3	2-5-4	0	2-10-3	-	-	2-9-2	2-6-3	2-1-6	1-3-3	0-6-7
Station 4	2-5-3	0	3-1-4	-	-	3-0-3	2-9-6	2-5-2	1-5-5	0-6-7
Station 5	2-6-0	0	3-0-5	-	-	2-11-4	2-8-7	2-4-3	1-0-2	0-5-1
Station 6	2-7-0	0	2-8-3	-	2-7-3	2-7-0	2-5-0	1-8-1	0-7-4	0-2-7
Station 7	2-9-0	0	2-2-1	-	2-2-0	2-1-6	1-10-4	0-11-5	0-4-3	0-1-7
Station 8	-	-	-	-	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transom	2-6-7	0	1-7-6	-	1-7-2	1-7-4	1-7-3	1-4-8	0-3-8	0-1-1

Specifications

Dimensions	Length	Sided	Moulded
Keel (oak)		3⅝"	3"
Stem (oak)		6⅝"	3¼"
Sternpost (oak)		8⅝"	3"
Knees (pine)		1½"	3⅝"
Gunwale (pine)		2⅞"	1¾"
Planks (pine)	12'	6" 5⅝"	½"
Frames (oak)		1¼"	1⅛"
Mast step	17½"	2⅝"	
Mast board		1⅝"	9"
Mast (fir)	17'	3¼"	
Decking (pine)		3¼"	3/8"
Floorboards		2⅝"	½"
Transom (oak)			1⅛"
Bowsprit (pine)	5'	3" 3⅝"	
Floorboards		5¼"	6" 9¼"
Spare storage			
Rudder		4¼"	8"
Sprit	13'-0"	2⅞"	

Construction Plan

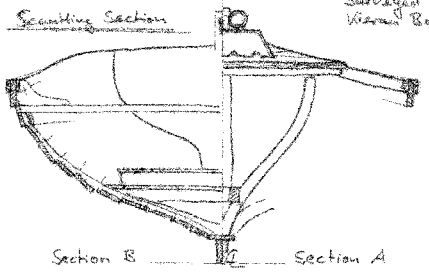




Lough Neagh Working Boat

Built by Alec Shaw in 1982/3 for Ulster Folk and Transport Museum (Cultra as a replica of boat '55' owned by Joe Murray Doss, built 1932 in Toome.
Surveyed by Holger Lörzer, Roger Lively and Warren Brown January 2007. Drawing Holger Lörzer

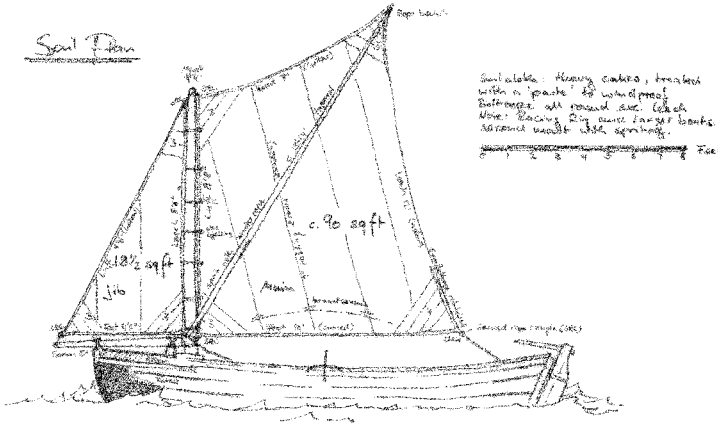
Scantling Section



Notes

Keel: working on original boat, but recommend to be 3" x 3" oak. Keel laid loose. All sheer planks run from stem/sternpost to bottom joint. Planks fixed with clenched iron bolts of c. 1¼" on original boats. Bottom 1-2 rows for fastening and ½ row for caulking. Stem and sternpost one half-rapped into keel and bolted. Sides are fixed to keel and sternpost with iron bolts. Floorboards are "dowelled" into keel through sprain. Stem has a protruding "knee" c. 18" from top, of the ground to be sacrificial. Sail 'rig' for South shore boats: up to 22 feet. Sprit spars, timber mined, cabins in other River boats. Tarred outside, top 1ft green, white below.

Sail Plan



Sail cloth: Heavy canvas, treated with a 'paste' to waterproof. Battens: all round sec. which have Racing Rig were larger boats. Sprit would with spritsail.

0 1 2 3 4 5 6 7 8 Feet