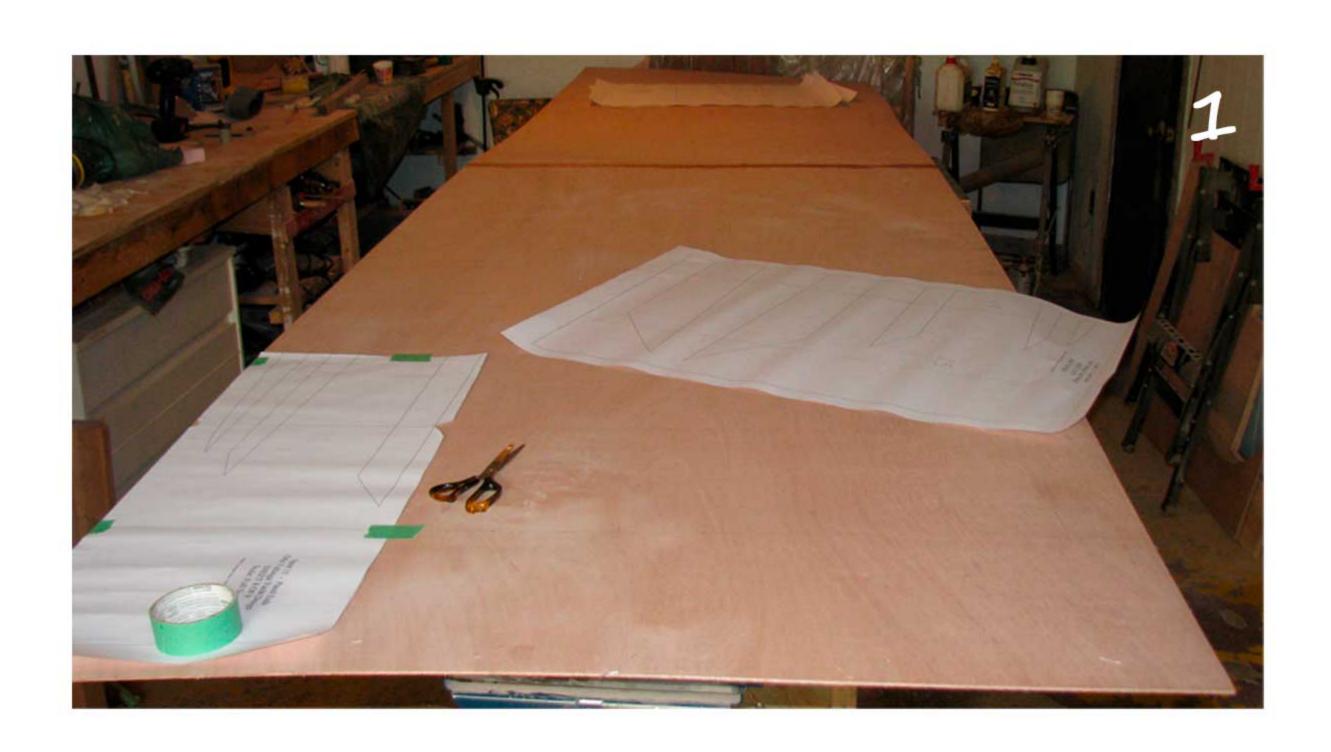
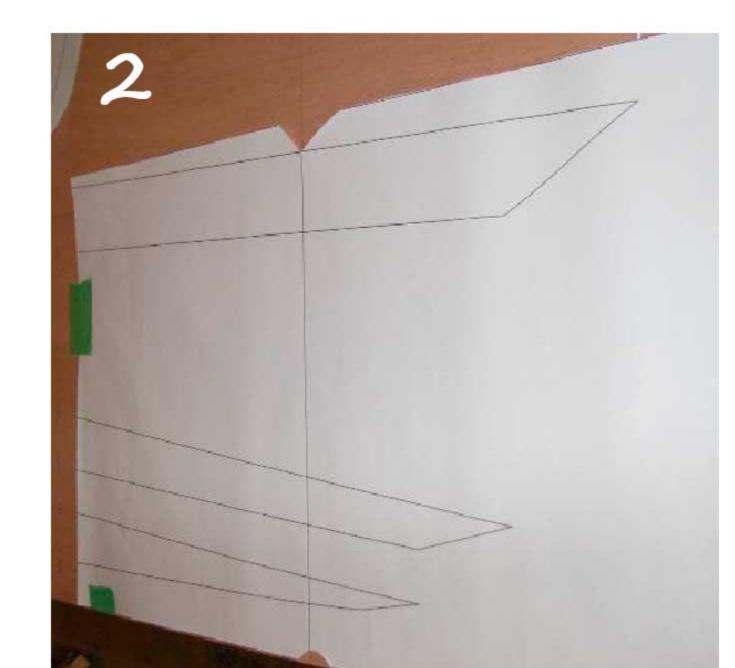
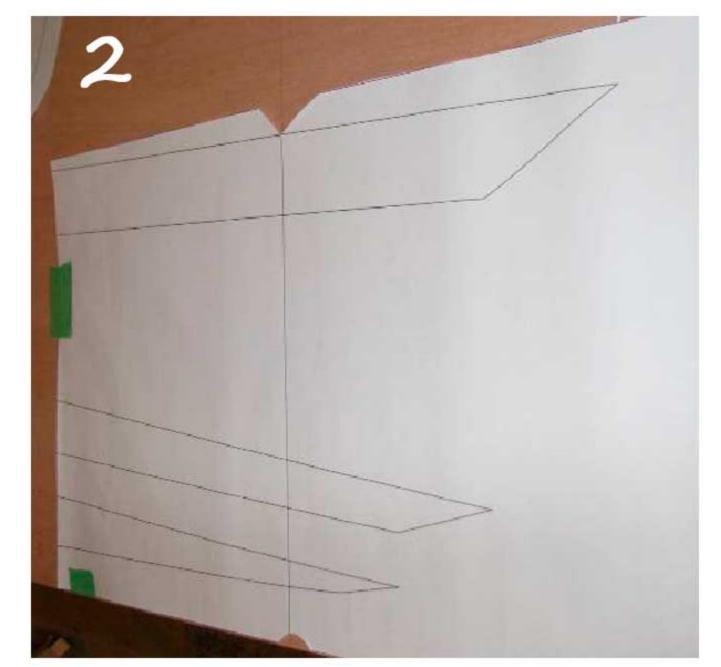
This study plan sheet has been assembled to give those who are interested in building a stitch and glue boat from scratch some insight into the process. Building a stitch and glue kayak from scratch begins with a set of construction notes and drawings, these will lead through the process of laying out and cutting the pieces required to build the design you have chosen.







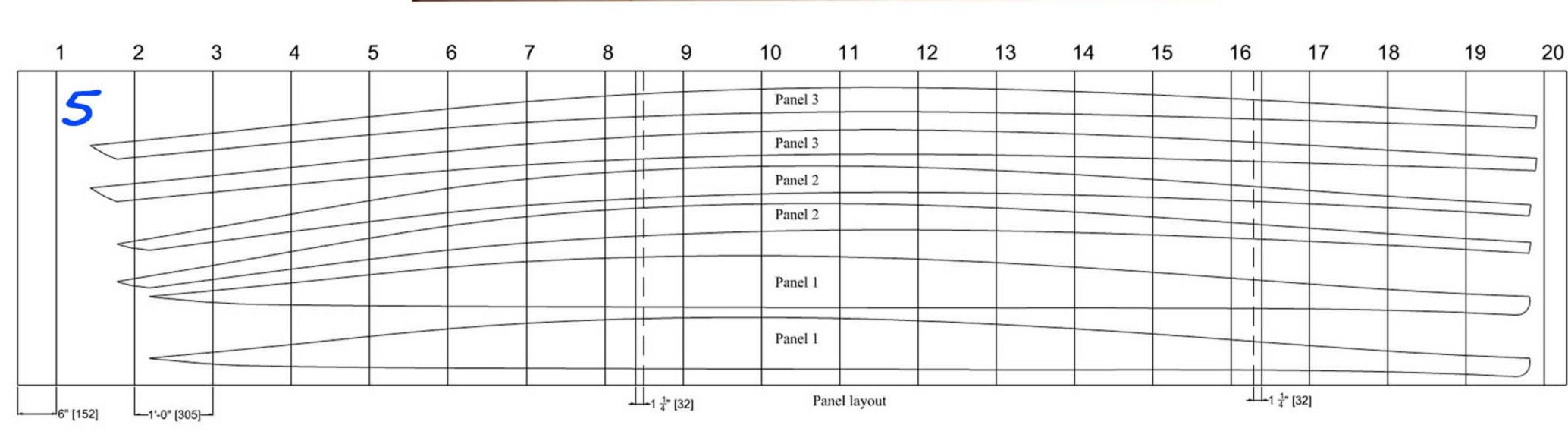


BASELIN distance	E IS BOTT	OM OF	PLYWOOD						
above	$\Longrightarrow$	Α	В	С	D	E	F	G	Н

∫ Station	
<u> </u>	

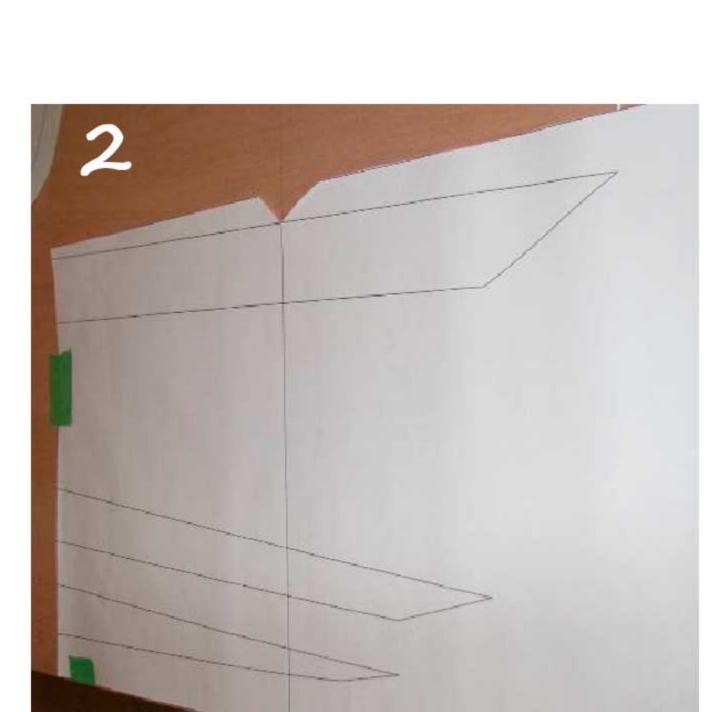
`1	1 5/32"	1' 1 7/32"	1' 0 17/32"	1' 4 11/32"	2' 0 7/16"	2' 5 1/16"	2' 8 19/32	3' 1 7/32"
2	1 1/4"	1' 1 3/8"	1' 0 21/32"	1' 5 31/32"	2' 0 21/32"	2' 5 11/32"	2' 8 25/32"	3' 1/2"
3	1 3/8"	1' 1 19/32"	1' 0 25/32"	1' 7 19/32"	2' 0 27/32"	2' 5 21/32"	2' 9"	3' 1 25/32"
4	1 1/2"	1' 1 13/16"	1' 0 29/32"	1' 9 3/32"	2' 1 1/16"	2' 5 15/16"	2' 9 3/16"	3' 2 3/32"
5	1 21/32"	1' 2 1/32"	1' 1 1/16"	1' 10 13/32"	2' 1 7/32"	3' 2 11/32"	2' 9 11/32"	3' 2 11/32"
6	1 13/16"	1' 2 5/16"	1' 1 7/32"	1' 11 5/16"	2' 1 9/32"	3' 2 1/2"	2' 9 7/16"	3' 2 1/2"
7	1 31/32"	1' 2 5/8"	1' 1 3/8"	1' 11 13/16"	2' 1 1/4"	3' 2 9/16"	2' 9 13/32"	3' 2 9/16"
8	1 5/32"	1' 3 19/32"	1' 1 19/32"	1' 11 21/32"	2' 1 5/32"	3' 2 17/32"	2' 9 9/32"	3' 2 17/32"
9	1 1/4"	1' 10 31/32"	1' 1 13/16"	1' 10 31/32"	3' 1 7/32"	3' 2 7/16"	2' 9 9/32"	3' 2 7/16"
10	1 3/8"	1' 9 29/32"	1' 2 1/32"	1' 9 29/32"	3' 1/2"	3' 2 9/32"	2' 8 27/32"	3' 2 9/32"
11	1 1/2"	1' 8 5/8"	1' 2 5/16"	1' 8 5/8"	3' 1 25/32"	2' 6"	2' 8 19/32"	3' 2 1/8"
12	1 21/32"	1' 7 5/16"	1' 2 5/8"	1' 7 5/16"	3' 2 3/32"	2' 5 29/32"	2' 8 13/32"	3' 2 1/32"
13	1 3/8"	1' 6 1/16"	1' 3 19/32"	1' 6 1/16"	3' 2 11/32"	2' 5 29/32"	2' 8 9/32"	3' 2 1/32"
14	XXXX	XXXX	XXXX	XXXX	3' 2 1/2"	2' 6 1/16"	2' 11 23/32"	3' 2 3/16"







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The pictures to the left illustrate the beginnings of a stitch and glue build, once you reach the point where the parts are made and are assembling the panels, the process is the same whether you are building from a kit or from scratch.

Getting Started

The build begins with the selection of a plan set, be honest with youself when doing so, you are about to invest your time and money into this project you want it to take you to where you are going to go. With the plan set selected, make a list of the materials required and order them, this can be done a bit at a time. To get started you will need the plywood. epoxy and the tools required to join the plywood sheets togethera and layout the panels, and of course select where you will build. Your build space should allow a couple of feet around the perimeter of the build so you can easily get around, plus room to store materials.

The Bits & Pieces in General

Plywood - normally hulls are 4mm and decks are 3mm, there are exceptions to this, some small boats are all 3mm, and some can have cedar decks. Wood for sheer clamps & on some boats deck supports will need to be made Epoxy & hardener + metering pumps

Thickening agent for the epoxy for making glue Boat cloth for sheathing Wire for stitches Seat w/ backband Footbraces Deck Hardware



1. Getting started, plans & plywood

- 2. Using patterns for panel ends
- 3. Table of offsets for panel layout
- available in imperial or metric formats
- 4. Drawing panel edge, with batten & patterns
- 5. Panels laid out on plywood sheets
- dashed lineis overlap caused whan using scarf joints - sheets can be butted and glassed
- 6. Cutting out panels
- 7. Fair panels in pairs
- 8. Cut out construction molds
- 9. Join Panels
- 10. Assemble hull

Tools the Basics

Pencil, square, tape measure Jigsaw, Drill Pliers for stitches

Block plane & various grits of sandpaper for shaping & finishing, some boats will require a chisel and handsaw Brushes & containers for mixing epoxy & more of the same for finish work when the boat is together

Safety Equiment ie. dust mask, diposable gloves

Design: Scratch Building S & G

Dwg: Build Overview