INSTRUCTIONS FOR CUTTING OUT PLYWOOD PANELS

STEP 1. DRAW CENTRELINES (℄) IN POSITIONS SHOWN ON DWG. IF A STRAIGHT-EDGE IS NOT AVAILABLE USE AN EDGE OF ONE OF THE OTHER SHEETS. TAKE GREAT CARE TO GET THESE ℄s ACCURATELY POSITIONED. USE A BALL-POINT TO INSCRIBE THESE ℄s. IF THE DINGHY IS TO BE CLEAR FINISHED (VARNISED) SELECT THE BEST FACE OF THE PLY TO GO ON THE OUTSIDE AND DRAW THE PANEL SHAPES ON THE OTHER SIDE. THE ℄s AND GRID LINES ETC. WILL HELP AS REFERANCE LINES WHEN COMPLETING THE INTERIOR.

STEP 2. DRAW IN THE GRID-LINES TAKING CARE TO GET THEM SQUARE TO THE ℄. MARKING OFF THE 150mm SPACINGS DOWN THE TWO EDGES OF THE PLYWOOD AND JOINING THE MARKS ENSURES THIS. AGAIN USE A BALL-POINT PEN

STEP 3. THE MEASUREMENTS SHOWN CAN NOW BE MARKED. AGAIN ACCURACY IS ESSENTIAL. ALSO NUMBER EACH GRID LINE AS SHOWN (SIDE PANELS ONLY)

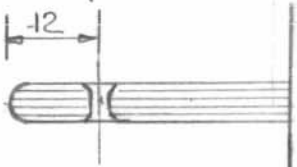
STEP 4. USING A FLEXIBLE BATTEN JOIN THESE MARKS WHICH SHOULD RESULT IN A FAIR CURVE. IF A PARTICULAR DIMENSION SHOWS UP AS BEING ERRANT IGNORE IT PROVIDED THE BATTEN JOINS THE OTHER DIMENSIONS IN A SWEET CURVE. USE A PENCIL TO GET A GOOD STRONG LINE.

STEP 5 CUT OUT THE PANELS. THE SHAPES AS SHOWN ALLOW FOR THE LINE TO BE CUT OUT. DO NOT TRY TO CUT BESIDE THE LINE. ANOTHER SYSTEM IS TO ROUGHLY CUT OUT THE PANELS WITH A CLEARANCE MARGIN. THEN USING A PLANE OR SPOKESHAVE REMOVE MATERIAL BACK TO THE MARKED LINE. FOR SOME PEOPLE THIS MAY BE THE BEST WAY BUT MORE WASTEFUL AS THE OFFCUTS (WHICH COME IN VERY HANDY) WILL BE REDUCED IN SIZE.

PREPARING PANELS FOR SEWING TOGETHER

THE EDGES THAT COME TOGETHER WITH THE HINGE STITCH (SEE DWG. HT.1) HAVE TO BE ROUNDED OFF AND DRILLED FOR THE LACING. THE ROUNDING OFF ALLOWS PANELS TO JOIN AT ANY ANGLE AND TAKES THE FORM OF A TRUE SEMI-CIRCLE. WITH THIN PLY SANDPAPER CAN BE USED TO DO THE JOB BUT WITH FIVE-PLY AND THICKER A PLANE, RASP OR SURFORM WILL SPEED UP THE TASK. USE SAND-PAPER TO FINISH OFF.

THE LACING HOLES HAVE TO BE ACCURATELY SPACED AND THIS IS BEST DONE USING A TAPE MEASURE HELD SO IT DOES NOT SLIP AND MARK OFF THE HOLE POSITIONS AT 25 mm CENTRES.
THE 3mm DIA. HOLES ARE 12mm IN FROM THE EDGE AND REQUIRE ARRIS--SING ON BOTH SIDES SO THAT THE LACING CAN BE EASILY TIGHTENED. ARRISSING CAN BE DONE EASILY AND SAFELY USING A 6mm DIA. DRILL RUN BACKWARDS. THIS PRODUCES A NICE SMOOTH EDGE TO THE HOLE FOR THE MATERIAL IS COMPRESSED INTO SHAPE RATHER THAN CUT.



J Godwin. 2002