

New Outside rib cutting schedule

28 Aug 60

New ribs start $8\frac{9}{16}$ " beyond end of old ribs.
New ribs 2" deeper than old ribs

Distance from Fore End		Depth of Timber		Slope	Adjusted Depth		
Old	added	New Feet	Computed	adjust- ment			
- $8\frac{9}{16}$ "	$8\frac{9}{16}$ "	0	0	$6\frac{15}{16}$ "	$5\frac{1}{2}$ "	0"	$5\frac{1}{2}$ "
0	"	$8\frac{9}{16}$ "	.714	6"	$4\frac{9}{16}$ "	$+\frac{1}{16}$ "	$4\frac{5}{8}$ "
1' $\frac{3}{4}$ "	"	1' $9\frac{5}{16}$ "	1.776	5"	$3\frac{9}{16}$ "	$+\frac{3}{16}$ "	$3\frac{3}{4}$ "
2' $1\frac{3}{8}$ "	"	2' $9\frac{15}{16}$ "	2.828	$4\frac{1}{4}$ "	$2\frac{13}{16}$ "	$+\frac{3}{8}$ "	$3\frac{7}{16}$ "
3' $1\frac{15}{16}$ "	"	3' $10\frac{1}{2}$ "	3.875	$3\frac{15}{16}$ "	$2\frac{1}{2}$ "	$+\frac{1}{2}$ "	3"
4' $2\frac{1}{4}$ "	"	4' $10\frac{13}{16}$ "	4.901	$3\frac{13}{16}$ "	$2\frac{3}{8}$ "	$+\frac{5}{8}$ "	3"
5' $2\frac{9}{16}$ "	"	5' $11\frac{1}{8}$ "	5.926	4"	$2\frac{9}{16}$ "	$+\frac{11}{16}$ "	$3\frac{1}{4}$ "
6' $3\frac{3}{16}$ "	"	6' $11\frac{3}{4}$ "	6.978	$4\frac{1}{2}$ "	$3\frac{1}{16}$ "	$+\frac{7}{8}$ "	$3\frac{15}{16}$ "
7' $3\frac{3}{8}$ "	"	7' $11\frac{15}{16}$ "	7.994	$5\frac{1}{4}$ "	$3\frac{13}{16}$ "	1"	$4\frac{13}{16}$ "
8' $9\frac{1}{16}$ "	"	8' $9\frac{1}{8}$ "		$5\frac{7}{8}$ "	$4\frac{7}{16}$ "	$+1\frac{1}{16}$ "	$5\frac{1}{2}$ "
gap		$+\frac{3}{8}$					
		8' $9\frac{1}{2}$ "	8.792				

Sample adjustment calculation

$$1.0625 \frac{4.90}{8.79} = .592" = \frac{5}{8}" \text{ adjustment}$$

This changes slope of bottom of rib from $15\frac{1}{2}^\circ$ to 16°

New Inside rib cutting Schedule

28 Aug 60

New planks 2" deeper ($5\frac{1}{2}$ ") than old ($3\frac{1}{2}$ ")

Distance from End	Depth of Timber Computed . Actual	
0	6"	$5\frac{1}{2}$ "
$3\frac{1}{16}$ "	$5\frac{13}{16}$ "	$5\frac{5}{16}$ "
1' $3\frac{3}{16}$ "	$5\frac{1}{8}$ "	$4\frac{5}{8}$ "
2' $3\frac{5}{16}$ "	$4\frac{3}{4}$ "	$4\frac{1}{4}$ "
3' $3\frac{3}{8}$ "	$4\frac{5}{8}$ "	$4\frac{1}{8}$ "
4' $3\frac{7}{16}$ "	$4\frac{7}{8}$ "	$4\frac{3}{8}$ "
5' $3\frac{7}{16}$ "	$5\frac{3}{8}$ "	$4\frac{7}{8}$ "
6' $3\frac{3}{8}$ "	$6\frac{1}{8}$ "	$5\frac{5}{8}$ "
Say 6' 0" approx	6"	$5\frac{1}{2}$ "

Point j = .1771' above reference platform =
 Added distance surface is raised
 New point j above reference platform
 Distance mounting hole below platform
 Bottom hole below new point j on surface
 Center distance of holes in rib support rod
 Top hole below surface of skin

$2\frac{1}{8}$ "
 $1\frac{1}{2}$ "

 $3\frac{5}{8}$ "
 $1\frac{13}{16}$ "

 $5\frac{7}{16}$ "
 $2\frac{15}{16}$ "

 $2\frac{1}{2}$ "