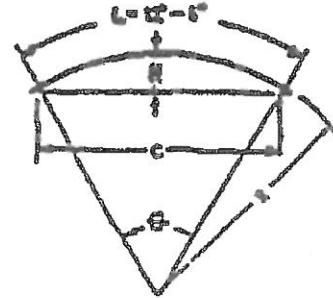


RADIUS DETERMINATION INSTRUCTIONS

1. Determine where curve will be.
2. Determine first post hole.
3. Next post hole at 12' 6".
4. Mark your midpoint between 2 post holes, i.e. 6' 3".
5. Measure from midpoint 6' 3" up to the curve, this is your rise. (H)
6. For an example assume (H) is 4" in this case.
7. Look at chart under (H) as 4", look across to radius and it is 60. You need a 60 radius for this curve.
8. And actually your holes on the 60 radius will be at 12' - 5 4/3" (as chord on chart indicates) so set post accordingly.



Rail sections, for curves having a radius of 10 to 150 feet can be shop-curves convex or concave, as required.

FUNCTIONS OF 12' - 6" CIRCULAR ARC

Radius	Central Angle	Chord (C)	Rise (H)
10	71° - 37'	11' - 8 3/8"	1' - 10 3/8"
15	47° - 45'	12' - 1 1/4"	1' - 3 3/8"
20	35° - 49'	12' - 3 3/8"	11 5/8"
25	28° - 39'	12' - 4 1/2"	9 3/8"
30	23° - 52'	12' - 4 7/8"	7 3/4"
35	20° - 28'	12' - 5 1/8"	6 3/4"
40	17° - 54'	12' - 5 3/8"	5 7/8"
45	15° - 55'	12' - 5 1/2"	5 1/8"
50	14° - 19'	12' - 5 5/8"	4 5/8"
55	13° - 01'	12' - 5 3/8"	4 1/4"
60	11° - 56'	12' - 5 3/4"	4"
65	11° - 01'	12' - 5 3/8"	3 5/8"
70	10° - 14'	12' - 5 3/8"	3 3/8"

