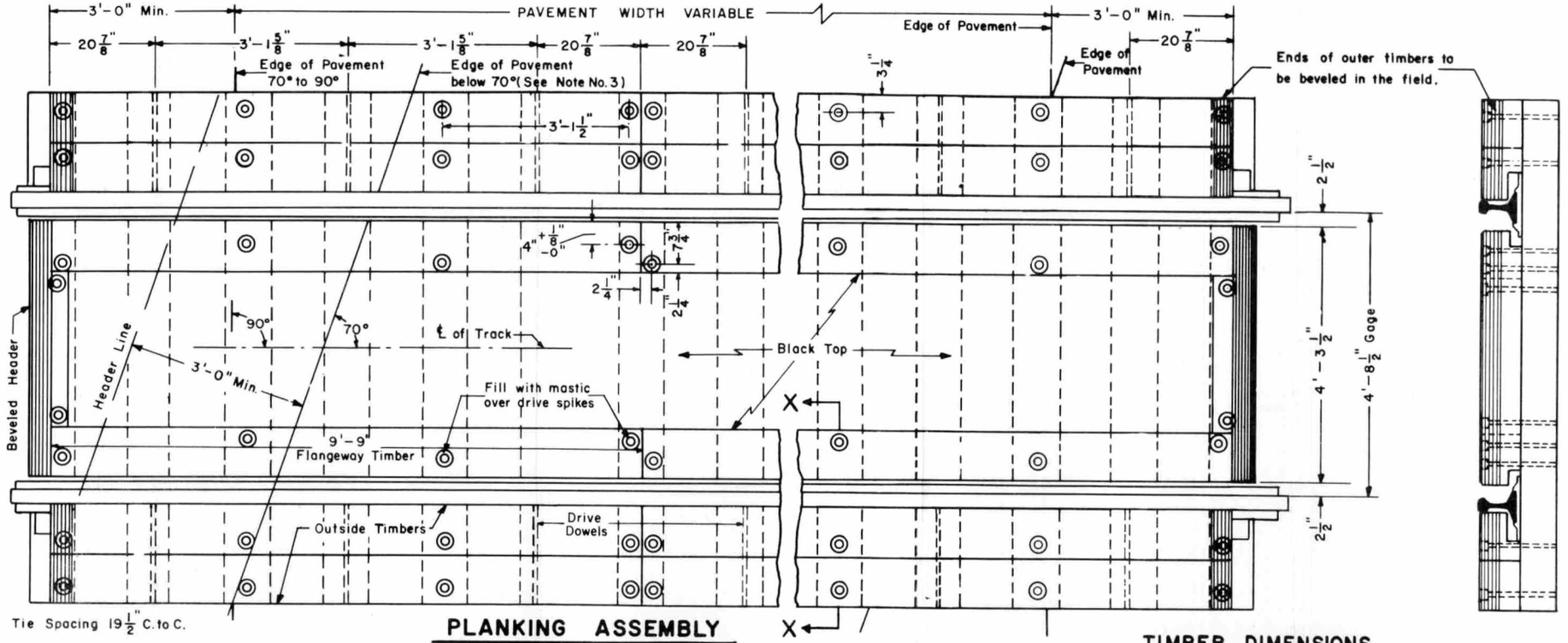
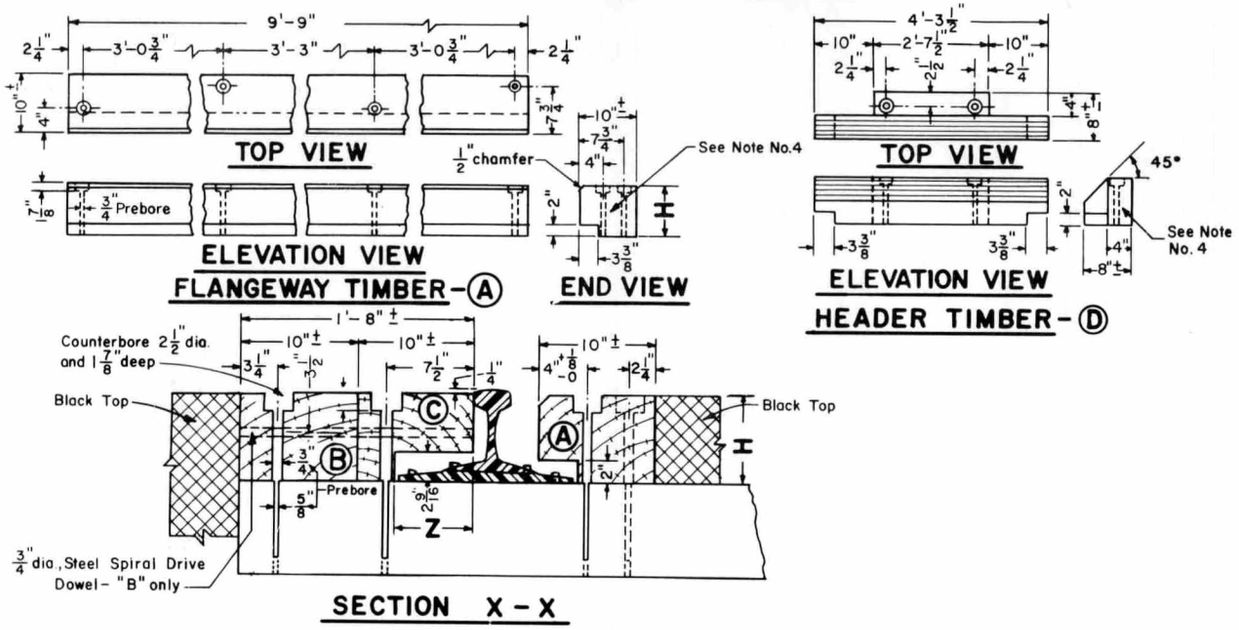


PLANKING ASSEMBLY



TIMBER DIMENSIONS

RAIL SECTION	MARK A, B or C, D	H	Z
155 P.S.	1	8½"	7"
152 P.S.	1	8½"	7"
140 R.E.	2	7⅝"	7"
136 N.Y.C.	2	7⅝"	7"
133 R.E.	2	7⅝"	7"
132 R.E.	2	7⅝"	7"
131 R.E.	2	7⅝"	7"
130 P.S.	3	6⅞"	7"
127 D Y	4	7¼"	7"
119 R.E.	4	7¼"	7"
115 R.E.	3	6⅞"	7"
112 R.E.	3	6⅞"	7"
107 N.H.	5	6¼"	6"
105 D Y	5	6¼"	6"
100 P.S.	6	5⅞"	6"

NOTES

1-Timbers — Use standard treated oak or mixed hard wood timbers framed as shown.

2-Preboring — Drill ¾" dia. holes in timbers for shank of drive spike. Counterbore 2½" dia., 1⅞" deep for head of drive spike. (Preboring may be eliminated when specified in order.) Drill 9/16" dia. hole for drive dowels.

3-Framing — Assemble and secure outside timbers with dowels in shop. The framing shown in Section X-X covers only tangent tracks and does not apply to curved tracks or other special track conditions.

The use of prefabricated 90° header timbers should be limited to crossings having an angle between 70° and 90°. Crossing angles below 70° shall have the header timbers framed in the field to conform with actual crossing angle.

4-Branding — Each crossing timber shall be identified on the end, with its respective designation 1-A, 1-B, 1-C or 1-D, etc. (depending on rail sec.) brand 4" high.

5-Drilling Ties — Drill ⅝" dia. holes for threaded portion of drive spike in field.

6-Washer Head Timber Drive Spikes — Use 11/16" dia. drive spikes with 6" threaded length per A.R.E.A. Manual - Plan 2M-63 (Section 5-M-4).

7-Steel Spiral Drive Dowel — Use ¾" dia. x 18¾" long drive dowels.

8-Ordering — The required number of timbers for a complete crossing shall be based on the lengths of timber as shown on this plan. However, field saw cuts and drilling may be necessary to give proper crossing length.

9-Order As Follows —

Prefabricated timbers for Black Top Highway
Weight of rail through crossing.
Number of flangeway timbers "A"
Number of outside timbers (2 outside timbers considered as 1 timber) "B," or "C" single timber.
Number of header timbers "D" (optional)
Number of washer head timber drive spikes, 12" lengths are recommended.

CONRAIL

70123-A

STANDARD

PREFABRICATED TIMBERS FOR BLACK TOP HIGHWAY GRADE CROSSINGS

DECEMBER, 1978

R H Smith
Chief Engineer - Maintenance of Way

J B Gordon
Chief Engineering Officer