PLANKING ASSEMBLY

TIMBER DIMENSIONS

rail section | mark | h | z
---|---|---|---
105 p.s. | 1 | 6' | 7'
102 p.s. | 1 | 6' | 7'
140 r.e. | 2 | 7 1/2' | 7'
136 n.y.c. | 2 | 7 1/2' | 7'
133 r.e. | 2 | 7 1/2' | 7'
132 r.e. | 2 | 7 1/2' | 7'
131 r.e. | 2 | 7 1/2' | 7'
130 p.s. | 3 | 6' | 7'
127 d.y. | 4 | 7 1/2' | 7'
119 r.e. | 4 | 7 1/2' | 7'
115 r.e. | 3 | 6' | 7'
112 r.e. | 3 | 6' | 7'
107 n.h. | 5 | 6' | 6'
105 d.y. | 5 | 6' | 6'
100 p.s. | 6 | 6' | 6'

NOTES

1-Timbers—Use standard treated oak or mixed hard wood timbers framed as shown.
2-Preboring—Drill 2 1/4 dia. holes in timbers for shank of drive spike. Counterbore 2 1/4 dia. and 1 1/2 dia. deep for head of drive spike. Preboring may be eliminated when specified in order. Drill 3 1/4 dia. hole for drive dowels.
3-Frameing—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°. Crossings 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 the respective designation (90° for 90° or 0° for 0° or 45° for 45° crossing angle).

5-Drilling—Drill 2 1/2 dia. holes for threaded portion of drive spike in field.

6-Header Head Timber Drive Spikes—Use 1 1/2 dia. drive spikes with 6' threaded length per A.E.A. Manual—Plan 242-65 (Section 5-M-4).

7-Steel Spiral Drive Dowel—Use 1 1/2 dia. x 14 board long drive dowels.

8-Ordering—The required number of timbers for a complete crossing shall be shown on the plans. Additional necessary heading and drilling may be necessary to give proper crossing length.

9-Order As Follows—

Prefabricated timbers for Black Top Highways—Weight of rail through crossing.
Number of flange way timbers 2 X 2.
Number of outside timbers 2 outside timbers considered as 1 timber 1 for C single timber.
Number of header timbers 0 (optional).
Number of washer head timber drive spikes 2 per lengths are recommended.

CONRAIL

70123-A

STANDARD

PREFABRICATED TIMBERS FOR BLACK TOP HIGHWAY GRADE CROSSINGS

December, 1978

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