

ITEM 455

TIMBER FOR STRUCTURES

455.1 Description. This item shall govern for the materials treated or untreated timber used in the construction of timber structures or portions of structures, as shown on the plans. This item shall not include temporary timber construction which is not a part of the finished structure.

455.2 Materials. Unless otherwise specified, the material shall be Longleaf Southern Pine (LLSP) or Dense Southern Pine (DSP) with minimum allowable stresses (visual grading) as indicated in the following table.

Table No. 1

| <u>STRUCTURAL PURPOSE</u> | <u>STANDARD GRADE</u> |
|---|---|
| Stringers, walers, caps, flooring, posts, railing, wheel guards and fenders | Dense Structural 65 Fb = 1,650 psi Fv = 105 psi |
| Nailing strips, sway bracing, bulkheads, sheeting, bridging, walkways, edging strips, cleats and blocks | No. 1 Grade Fb = 1,650 psi Fv = 95 psi |

Stresses noted in Table No. 1 are based on values given in the American Institute of Timber Construction's "Timber Construction Manual", Latest Edition.

Timber to be stress graded and marked in accordance with "Grading Rules", as per the Southern Pine Inspection Bureau.

455.3 General Requirements. All timber shall be dress timber as indicated on the plans.

When not indicated, dress strip flooring (from 2" x 4" to 3" x 6" in size) shall be S1S1E, full size, hit or miss. Pieces more than 1/8" in excess of full nominal width or thickness, or more than 1/4" scant of full nominal width or thickness at any point, will be rejected.

Treated timber shall be impregnated with the kind and amount of preservative specified and by the process designated in the Item, "Timber Preservative and Treatment".

455.4 Measurement. The quantities of timber of the various classifications used in the completion of the structure in accordance with the plans and specifications shall be computed in board foot measure of timber in place. The measurement shall not include timber used for erection purposes such as forms, falsework and temporary bracing.

455.5 Payment. The timber quantities as measured above shall be paid for at the unit price bid per thousand board foot measure (M.B.F.M.) for "Treated Timber" or "Untreated Timber", as the case may be, which prices shall be full compensation for all materials, hardware, equipment, tools, labor, painting, preservative treatment and incidentals necessary to complete the work.

There are line code(s), description(s), and unit(s) for this item.

END OF ITEM 455