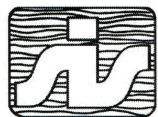


# SOUTHERN PINE TONGUE AND GROOVE DECKING



**S.I. Storey**  
LUMBER COMPANY, INC.

*~ Since 1920 ~*

285 Sike Storey Road, N.W. ~ Post Office Box 99  
Armuchee, Georgia 30105

Telephone: 706-234-1605 or Toll Free: 888-934-1605

[www.sistoreylumber.com](http://www.sistoreylumber.com)

# S.I. Storey Lumber Company

## Tongue and Groove

### Southern Pine Decking

#### Scope

Solid sawn southern pine decking is produced by S.I. Storey Lumber Co., in 2", 3" and 4" thicknesses in accordance with the recommendations of the American Institute of Timber Construction (AITC). It is graded in accordance with the latest edition of the Southern Pine Inspection Bureau (SPIB) grading rules. This decking can also be pressure treated with Osmose NatureWood® ACQ preservative to provide longer life when exposed to conditions which can accelerate decay and permit insect attack.

#### Specifications

Roof decking is manufactured from southern pine by S.I. Storey Lumber Co., Inc. It is nominal 2 x 6, 3 x 6, or 4 x 6 in #1 or #2 grade and kiln dried. Maximum moisture content is 19% for 2 x 6, 3 x 6 and 4 x 6. Decking is machined to a single or double tongue and groove EVIS pattern. (See figures 1 and 2)

#### Lengths

Decking pieces may be of specified length or random length. All layout arrangements except controlled random layout require that the specifier indicate the required lengths. If pieces are for controlled random layout, odd or even lengths 4' to 16' are permitted and they will be end matched. The minimum lengths based on fbm percentages shall be as follows:

##### *Two inch decking:*

- \* Not less than 40% to be 14' and longer
- \* Not more than 10% to be less than 10'
- \* Not more than 1 % to be 4' to 5'
- \* Minimum length is limited to 75% of the span length as provided by the customer

##### *Three inch decking:*

- \* Not less than 40% to be 14' and longer with at least 20% equal to or greater in length than the maximum span as provided by the customer
- \* Not more than 10% to be less than 10'
- \* Not more than 1 % to be 4' to 5'

##### *Four inch decking:*

- \* Not less than 25% to be 16' and longer with at least 20% equal to or greater in length than the maximum span as provided by the customer
- \* Not less than 50% to be 15' and longer
- \* Not more than 10% to be 5' to 10'
- \* Not more than 1 % to be 4' to 5'

#### Prefinishing

Factory staining is available if desired. Prefinishing assures a more economical and complete stain application compared with on-site staining. Actual stain samples will be submitted for approval. It should be noted that wood is a natural product with many variations in grain, texture and color. Since all of these affect the appearance of the finished product we cannot guarantee the samples submitted will be an exact replication of the total line production. (Please reference "Prefinishing Policy".)

#### Field Handling and Storage

Proper field handling and storage helps to ensure a precise fit of the decking. The bundles should remain banded until ready for use. If it is not possible to store decking materials under a shelter, then they should be kept covered securely with tarpaulins until needed. Stack and separate individual bundles on timber skids with a sufficient length to extend fully across the bundle. It is recommended that skids be placed no more than four feet apart along the length of the bundle. Limit the height of stacks to no more than three bundles, using care to place the longest length bundles on the bottom. Following these steps will minimize distortion of decking prior to installation.

#### Application

Tongue and groove wood decking should be installed with the tongue up on sloped roofs and outward in direction of laying on flat roofs. Pattern faces should be down and exposed on the underside. Each piece of 2" thick decking should be toenailed through the tongue and face nailed with one 16d common nail per support. Each piece of 3" and 4" thick decking should be toenailed at each support with one 40d nail and face nailed with one 60d nail. Courses should be spiked to each other with 8" spikes at intervals not to exceed 30" through predrilled edge holes and with one spike not to exceed 10" from each end of each piece.

Decking may be installed in any of the following patterns:

#### **1. Simple Span**

All pieces are fully supported on a minimum of two supports. (Figure 3)

#### **2. Controlled Random Layup**

This arrangement is applicable to 4 or more supports. Joints or ends in the same general line (within 6 inches of being in line each way) must be separated by at least two intervening courses. In the end bays each piece must rest on at least one support and must continue over the first inner support for at least 2 feet. (Figure 4)

a. For 2" decking there must be a minimum distance of 2 feet between end joints in adjacent courses. To provide lateral restraint for the supporting member, the pieces in at least the first and second courses must bear on at least two supports with end joints in these two courses occurring in alternate supports. This pattern must be repeated at a maximum of every seven intervening courses. If another provision, such as plywood overlayment, is made to provide continuity, this pattern is not required.

b. For 3" and 4" decking in the interior bays, occasional pieces not resting on a support may occur provided the ends of the adjacent pieces in the same course are continued for at least 2 feet over the next support. This condition must not occur more than once every 6 courses in each interior bay. There must be a minimum distance of 4 feet between end joints in adjacent courses.

#### Conversion Factors

To convert square footage to board footage, multiply the square footage needed by the following factors:

2x6 ... 2.40      3x6... 3.43

4x6... 4.58

Factors are exact and do not include any allowances.

#### Weights

Approximate weight of installed decking in pounds per square foot of roof surface:

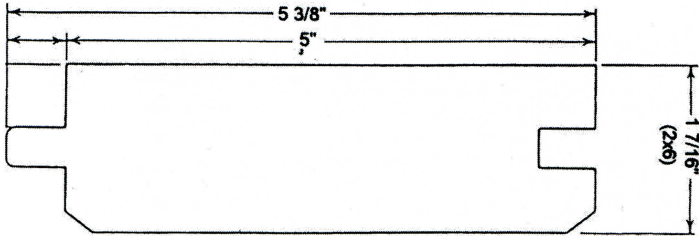
2 x 6 . . . . . 4.5 lbs./sq. ft.

3 x 6 . . . . . 7.6 lbs./sq. ft.

4 x 6 . . . . . 10.7 lbs./sq. ft.

## Single T&G EVIS

Figure 1



## Double T&G EVIS

Figure 2

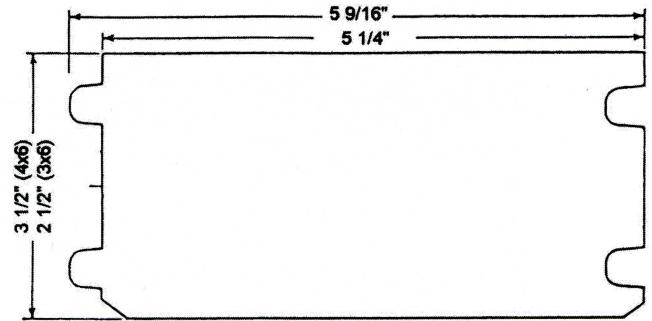


Figure 3

Simple Span - all pieces bear on two supports

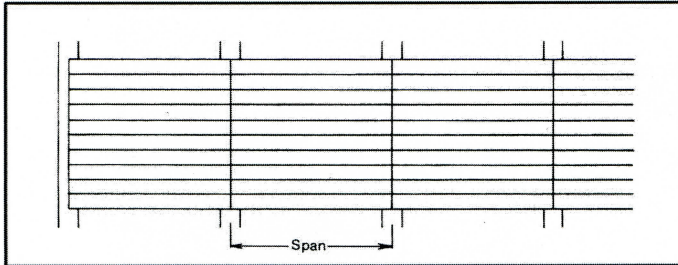


Figure 4

Controlled Random Layout

