



2 x 6 TIMBER DECKING

BY: STRUCTURAL WOOD SYSTEMS

APPLICATION

2 x 6 Solid Timber Decking by Structural Wood Systems (SWS) provides the beauty of wood, labor-saving construction and excellent insulating qualities.

This decking forms a significant part of the building structure, especially those using laminated timber beams, arches or heavy timber trusses as support elements of the structure. It not only serves as a structural component, but also provides the warmth and beauty of wood.

SPECIFICATIONS

SWS decking is manufactured using kiln-dried (15% maximum moisture content) 2 x 6 nominal Southern Pine lumber. It is machined with a single tongue-and-groove, a V-joint face, and is **END MATCHED** allowing the use of **RANDOM LENGTH** pieces. The material used is graded to Southern Pine Inspection Bureau Standards.

Our decking is manufactured in two grades.

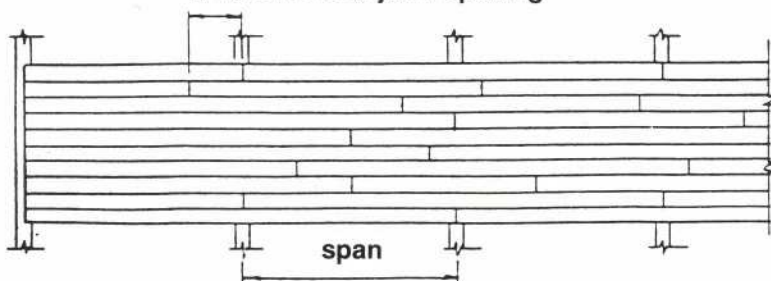
1. **No. 1 GRADE:** Used where construction requires the **finest appearance** and highest strength.
2. **No. 2 GRADE:** Used where construction requires **good appearance** and excellent strength.

INSTALLATION

SWS **END MATCHED** solid timber decking is most economical when random length assortments can be used in a **CONTROLLED RANDOM LAY-UP** pattern where runs of decking must be continuous over at least three approximately equal spans. Joints in the same general line shall be separated by at least two intervening courses. Each piece of decking must rest on at least one support. Joints in adjacent courses are prohibited in the end bays.

CONTROLLED RANDOM LAY-UP

2 ft. min. end joint spacing



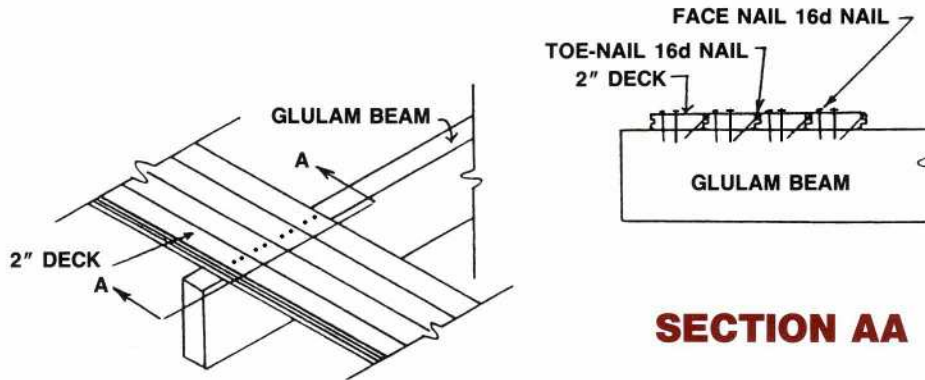
Use a minimum distance of 2 Ft. between end joints in adjacent courses. The pieces in at least the first and second course, and repeating at least after each group of seven courses, must bear on at least two supports with end joints in these two courses occurring in alternate spans or on alternate supports.

This decking is to be installed with tongues upward on sloped or pitched roofs and outward from the direction of laying on flat roofs. It is laid with the V-Joint facing down and is normally left exposed on the underneath side.

NAILING SCHEDULE

Each piece must be toe-nailed through the tongue with one 16d common nail and also face nailed with two 16d common nail at each support.

(See diagram)

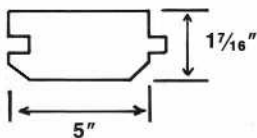


ALLOWABLE ROOF LOADS

GRADE	MODULUS OF ELASTICITY	DEFLECTION LIMIT	ALLOWABLE UNIFORMLY DISTRIBUTED TOTAL ROOF LOAD IN LBS. PER SQUARE FOOT				
			CONTROLLED RANDOM LAY-UP SPAN				
			6 FT	7 FT	8 FT	9 FT	10 FT
No. 1	1,800,000 PSI	L/180	95	60	40	28	21
		L/240	72	45	30	21	15
No. 2	1,600,000 PSI	L/180	85	53	36	25	18
		L/240	64	40	27	19	14

NOTE: For simple spans multiply by .777 — Loads shown are for dry use conditions.

CONVERSION FACTOR ^R



NET SIZE

To determine the board footage of decking required, multiply the square footage of the roof area to be covered by a factor of 2.40. We recommend adding an allowance for end trim and waste.

EXAMPLE: 1000 sq. ft. to be covered x 2.40 = 2,400 FBM

(NOTE: Add for end trim and waste)

AUTHORIZED REPRESENTATIVE:

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