



STRUCTURAL WOOD
DIVISION OF HARRISON INDUSTRIES, INC. **SYSTEMS**

2 x 6 TIMBER DECKING

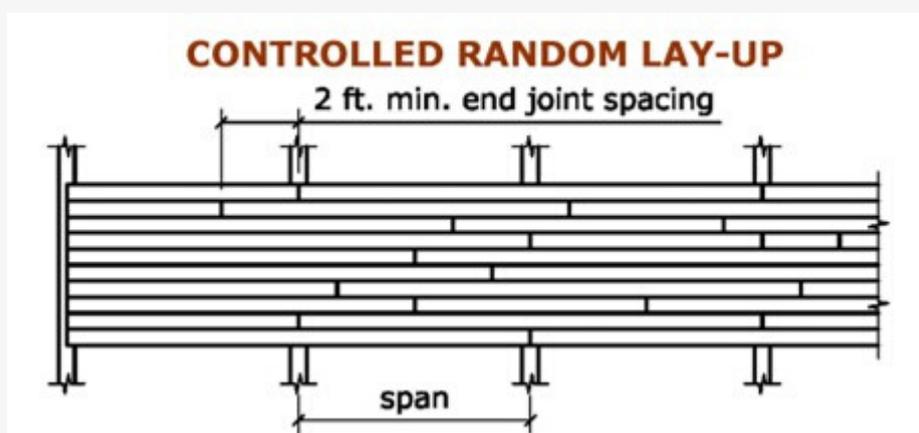
APPLICATION: This decking forms a significant part of the building structure, especially those using laminated timber as support elements of the structure. It not only serves as a structural component, but also provides the warmth and beauty of wood.

SPECIFICATIONS: SWS decking is manufactured using kiln-dried 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 and meets the American Institute of Timber Construction standards for tongue-and-groove heavy timber decking.

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 end bays.

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.



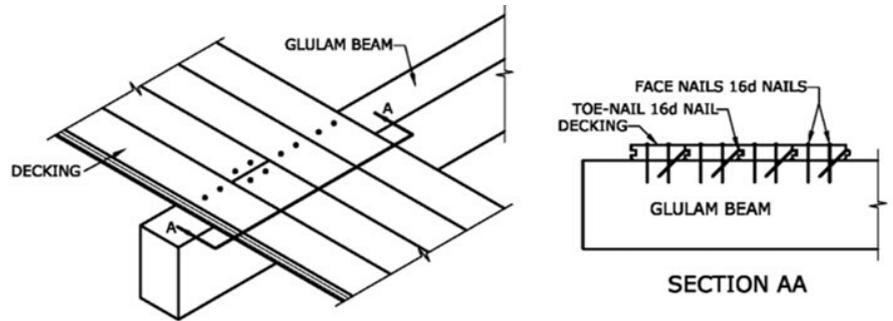
Pictured Front Cover: Southside Baptist Church - Greenville, AL
Pictured Right: West Lafayette Aquatic Center - West Lafayette, IN



2 x 6 Solid Timber Decking

PROVIDES THE BEAUTY OF WOOD, LABOR-SAVING CONSTRUCTION, & EXCELLENT INSULATING QUALITIES

NAILING SCHEDULE: Each piece must be toe-nailed through the tongue with one 16d common nail and also face nailed with two 16d common nails at each support. Additional nails are needed in some high wind load applications. (See Diagrams below)



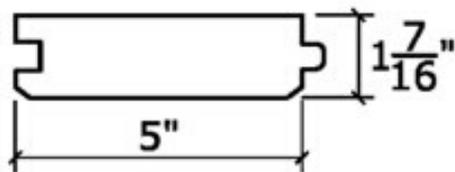
ALLOWABLE ROOF LOADS

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	1,600,000 PSI	L/180	85	53	36	25	18
		L/240	64	40	27	19	14

- NOTE:**
- For simple spans multiply by .777
 - For combination simple span and two-span continuous multiply by 1.31
 - For two-span continuous multiply by 1.85
 - Loads shown are for dry use conditions, multiply by .9 for Wet Service Factor

CONVERSION FACTOR

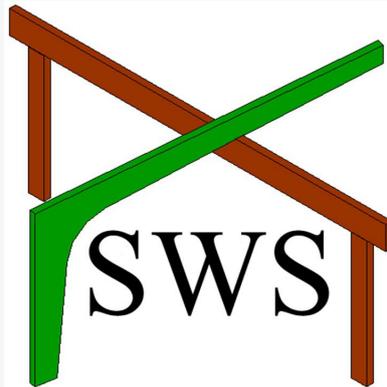
To determine the board footage of decking required, multiply the square footage of the roof area to be covered by a factor of 2.40. We recommend adding an allowance for end trim and waste.



EXAMPLE: 1,000 square feet to be covered x 2.40 = 2,400 FBM
(NOTE: Add for end trim and waste)



Pictured Above: Alabama Wildlife Federation Nature Center - Millbrook, AL
Pictured Back Cover: Holy Comforter Episcopal Church - Spring, TX



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