

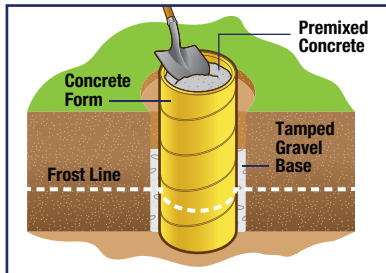


Treated Wood

Guide to Deck Construction

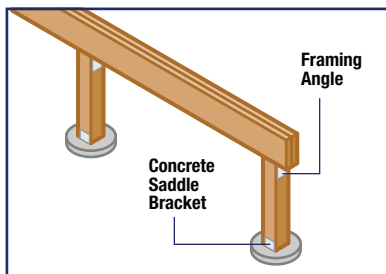
1 Posts

Posts can be secured to a concrete pier or set in the ground. Check with a building code official for the requirements in your municipality. Footings should extend below the frost line.



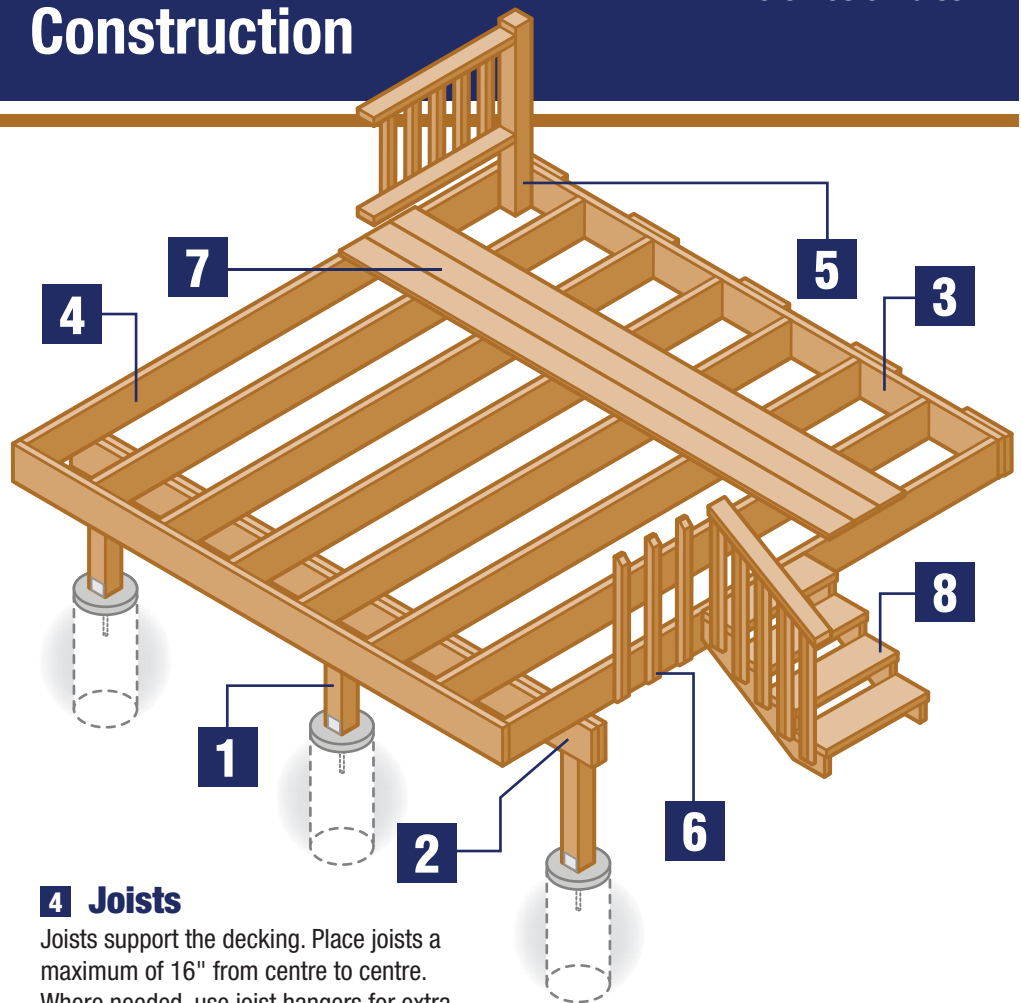
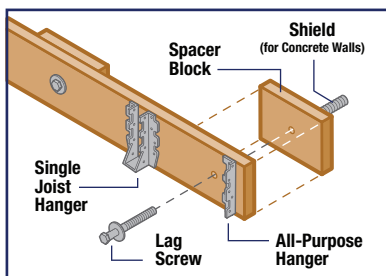
2 Beams

Use three 3" nails* at intervals of 12" to 16" to make the beam. Use 3" framing angles* to attach the beam to the posts.



3 Ledger

Your type of home will determine the best method and placement of deck attachment. The ledger board must be securely fastened. For safety, check with a building expert or code official if in doubt.



4 Joists

Joists support the decking. Place joists a maximum of 16" from centre to centre. Where needed, use joist hangers for extra support.

5 Railing Posts

Posts should be securely fastened to the inside of the framing with carriage bolts. A variety of railings and spindles are available to complement your deck. Consider style and safety when selecting and installing these components. Check with a code official if in doubt.

6 Balusters

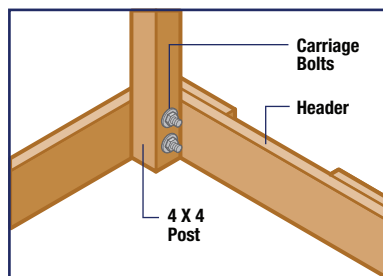
Hand rails are an important safety requirement of raised decks. Check with local authorities for height and spacing codes. A wide variety of ready-to-install railing options is available.

7 Decking

Place deck boards best face up. Allow for shrinkage when spacing boards. We recommend corrosion-resistant deck screws. Pre-drill holes near board ends and edges.

8 Stairs

Pre-cut stair stringers will ease the task of stair construction. They are available in 3, 4, or 5 steps.



The information contained here is meant for general guidance. Check with a building code official or building expert to make sure that construction methods and materials meet local codes and conditions.

For important information on safe use and handling of MicroPro Sienna Treated Wood, ask for literature in-store or visit www.MicroProSienna.com.



MicroPro Sienna® Treated Wood Deck Material List*

DECK SIZE

USE	8x8	8x10	8x12	10x10	10x12	12x12	12x16	DESCRIPTION
Posts <small>Top of post maximum 9" above ground</small>	1	1	1	1	1	1	1	4x4x8' MicroPro Sienna Treated Wood
Beam	2							2x8x8' MicroPro Sienna Treated Wood
Beam		2		2				2x8x10' MicroPro Sienna Treated Wood
Beam			2		2	2		2x8x12' MicroPro Sienna Treated Wood
Beam							2	2x8x16' MicroPro Sienna Treated Wood
Joists/Ledger/Spacers	10	10	10	1				2x8x8' MicroPro Sienna Treated Wood
Joists/Ledger/Spacers		2	1	11	11	1		2x8x10' MicroPro Sienna Treated Wood
Joists/Ledger/Spacers			2		2	12	14	2x8x12' MicroPro Sienna Treated Wood
Joists/Ledger							2	2x8x16' MicroPro Sienna Treated Wood
Decking	18							5/4x6x8' MicroPro Sienna Treated Wood
Decking		18		22				5/4x6x10' MicroPro Sienna Treated Wood
Decking			18		22	26		5/4x6x12' MicroPro Sienna Treated Wood
Decking							26	5/4x6x16' MicroPro Sienna Treated Wood
Railing Posts <small>Maximum 48" from centre to centre</small>	8	9	9	11	10	10	11	4x4x54" MicroPro Sienna Treated Wood
Hand Rail	3	2	2	1	2-1/2	3	4-1/2	2x4x8' MicroPro Sienna Treated Wood
Hand Rail		1	1-1/2	2	1			2x4x10' MicroPro Sienna Treated Wood
Top/Bottom Rails	6	4	4	2	5	6	9	2x4x8' MicroPro Sienna Treated Wood
Top/Bottom Rails		2	3	4	2			2x4x10' MicroPro Sienna Treated Wood
Balusters <small>4" from edge to edge</small>	34	38	41	46	49	56	63	2x2x42" MicroPro Sienna Treated Wood
Stair Stringers <small>Maximum 16" from centre to centre</small>	4	4	4	4	4	4	4	3-Step MicroPro Sienna Stair Stringers
Stair Treads	3	3	3	3	3	3	3	5/4x6x8' MicroPro Sienna Treated Wood
Beam Nails	1	1	1	1	1	1	1	3" Nails 100/pk**
Joist Nails	1	1	1	1	1	1	1	3-1/2" Framing Nails 2 kg**
Deck Screws <small>Decking, Balusters, and Steps</small>	436	524	572	628	684	792	976	2-1/2" Deck Screws**
Concrete Pier	9 (11)	9 (11)	12 (15)	9 (11)	12 (15)	12 (15)	15 (18)	Concrete Mix 30 kg (25 kg)
Post Saddles	3	3	4	3	4	4	5	3-1/2" x 3-1/2" Saddle Bracket with Rebar**
Railing Post Bolts	16	18	18	22	20	20	22	3/8" x 6" Carriage Bolts, Nuts, Washers**
Lag Screws <small>for Ledger</small>	6	8	9	8	9	9	12	1/2" x 6" Lag Screws and Shields**
Joist Hangers	5	7	8	7	8	8	11	Joist Hangers to Joist Size**
All Purpose Hangers	2	2	2	2	2	2	2	90° Angled Hangers**

*This materials list is for an attached deck less than 24" above ground, with a 60 psi live load, concrete piers, 16" joist spacing and 4' wide stairs (railing not included for stairs). This list is only a guide for ease of calculation.

** Use fasteners and hardware that are in compliance with the manufacturer's recommendations and the building codes for their intended use.

This is not a final design or plan. You are responsible for code approval and the final design. Check with a building code official or a building expert to make sure that the materials and construction methods shown are suitable to your situation. Timber Specialties assumes absolutely no responsibility for the correct use of this information. Plans should be examined by a professional before starting construction.