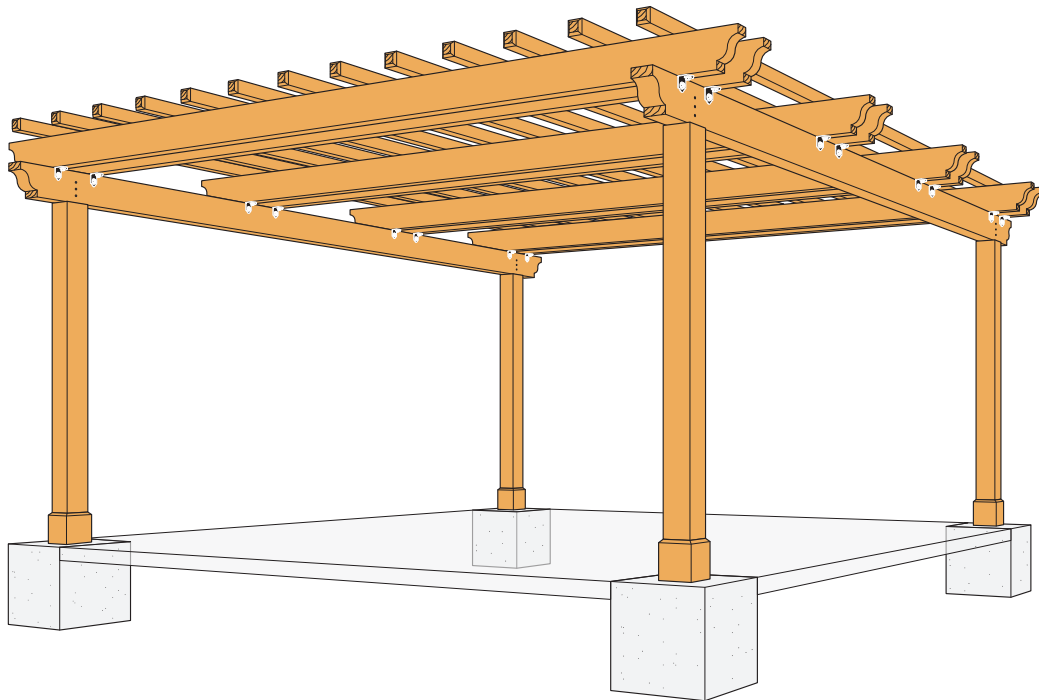


Free-Standing 18x18 Pergola



If you're looking to add an outdoor living structure and prefer wider openings, this expansive 18'x18' free-standing pergola is a dynamic addition to a backyard or larger outdoor living space. Designed with Outdoor Accents® decorative hardware and hidden connectors and fasteners from Simpson Strong-Tie, this pergola includes MPBZ moment post bases, which significantly reduce the need for knee bracing, facilitate wider openings, and are sturdy enough to withstand seismic and high-wind forces.

Sheet List	
Sheet No.	Sheet Name
S1	Perspective View
S2	Foundation Plan
S3	Roof Plan
S4	Elevation 1
S5	Elevation 2
S6	Post-to-Beam Connection
S7	Post-to-Footing Connection
S8	Material Takeoff — Framing
S9	Material Takeoff — Connectors



Perspective View

Outdoor Accents®
decorative hardware

Free-Standing 18x18 Pergola

6x6
A

Post

℄ @ post

18' o.c.

Foundation design
by others.

℄ @ post

18' o.c.

℄ @ post

℄ @ post

1
S7

Post-to-footing
connection

Foundation Plan

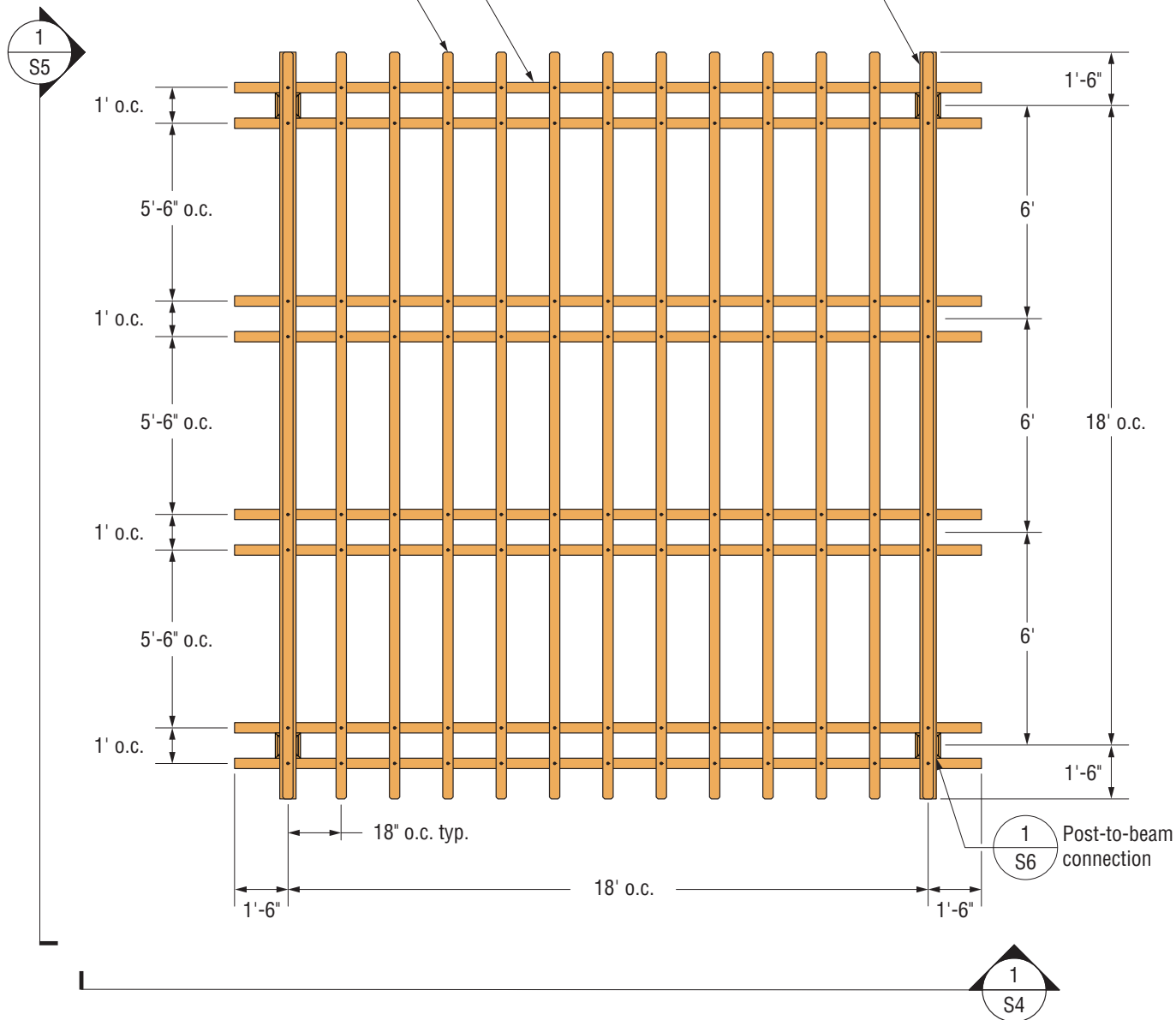
Outdoor Accents
decorative hardware

Free-Standing 18x18 Pergola

4x10 Joists, with decorative end cuts, typ.
E

4x4 With chamfered end cuts, typ. @ 18" o.c.
F

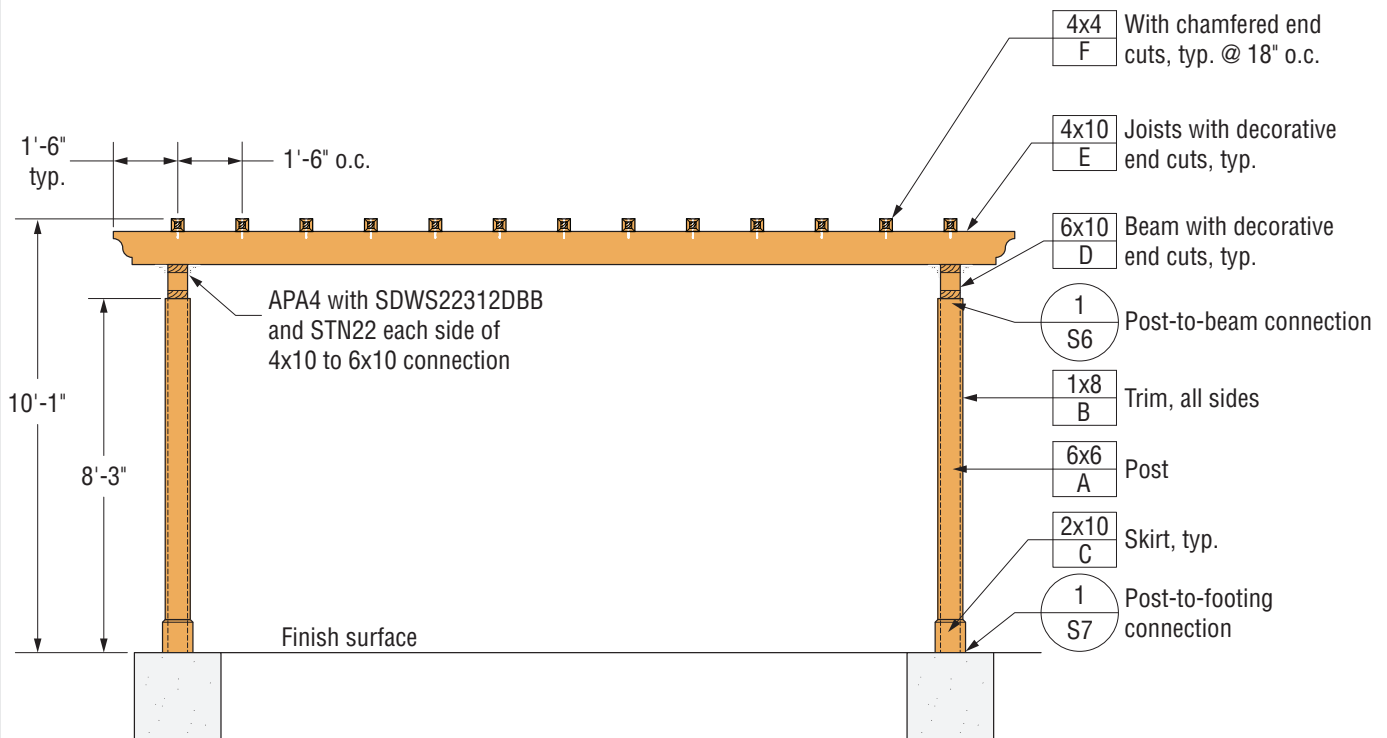
6x10 Beam with decorative end cut, typ.
D



Roof Plan

Outdoor Accents®
decorative hardware

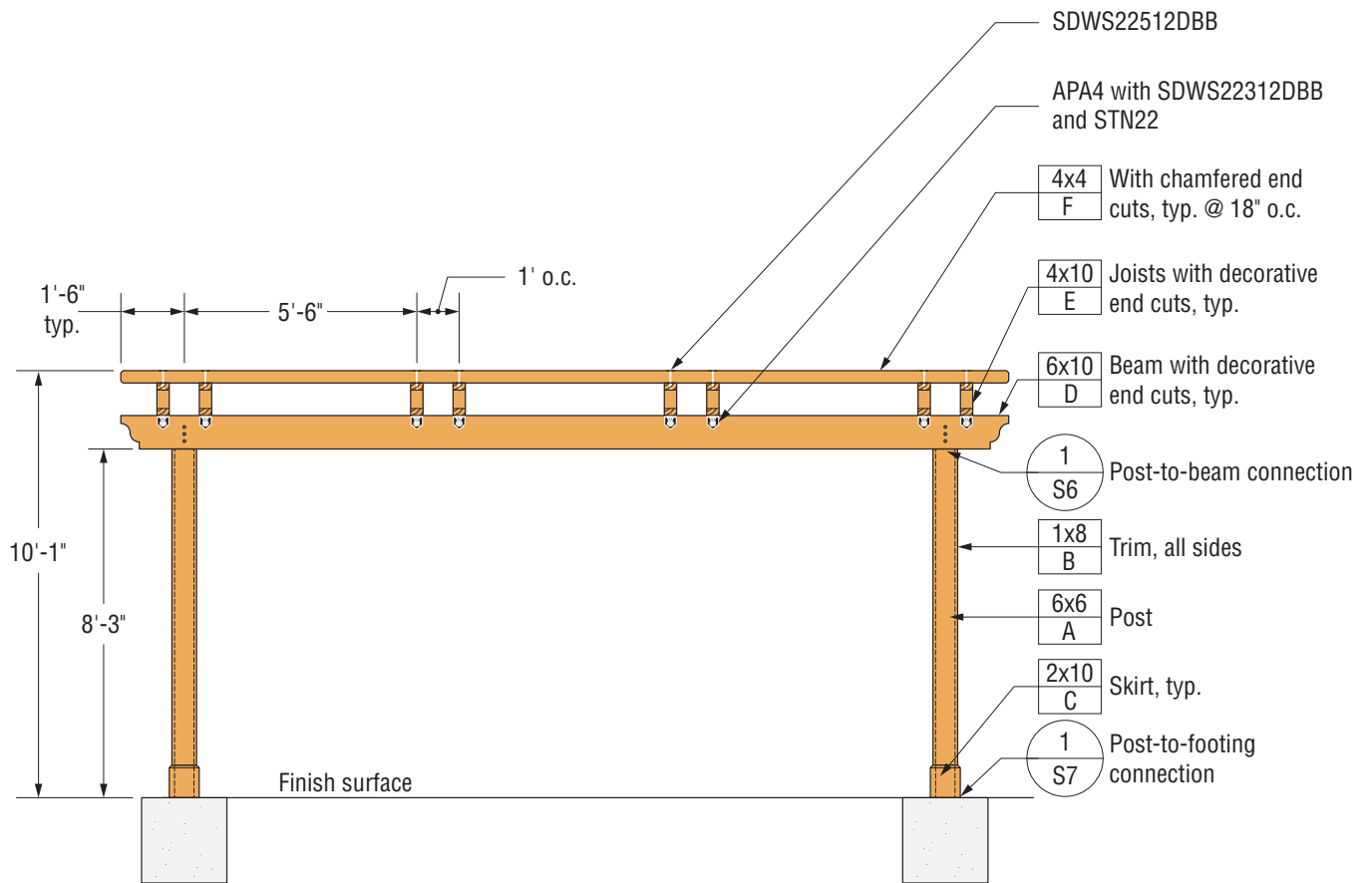
Free-Standing 18x18 Pergola



Elevation 1

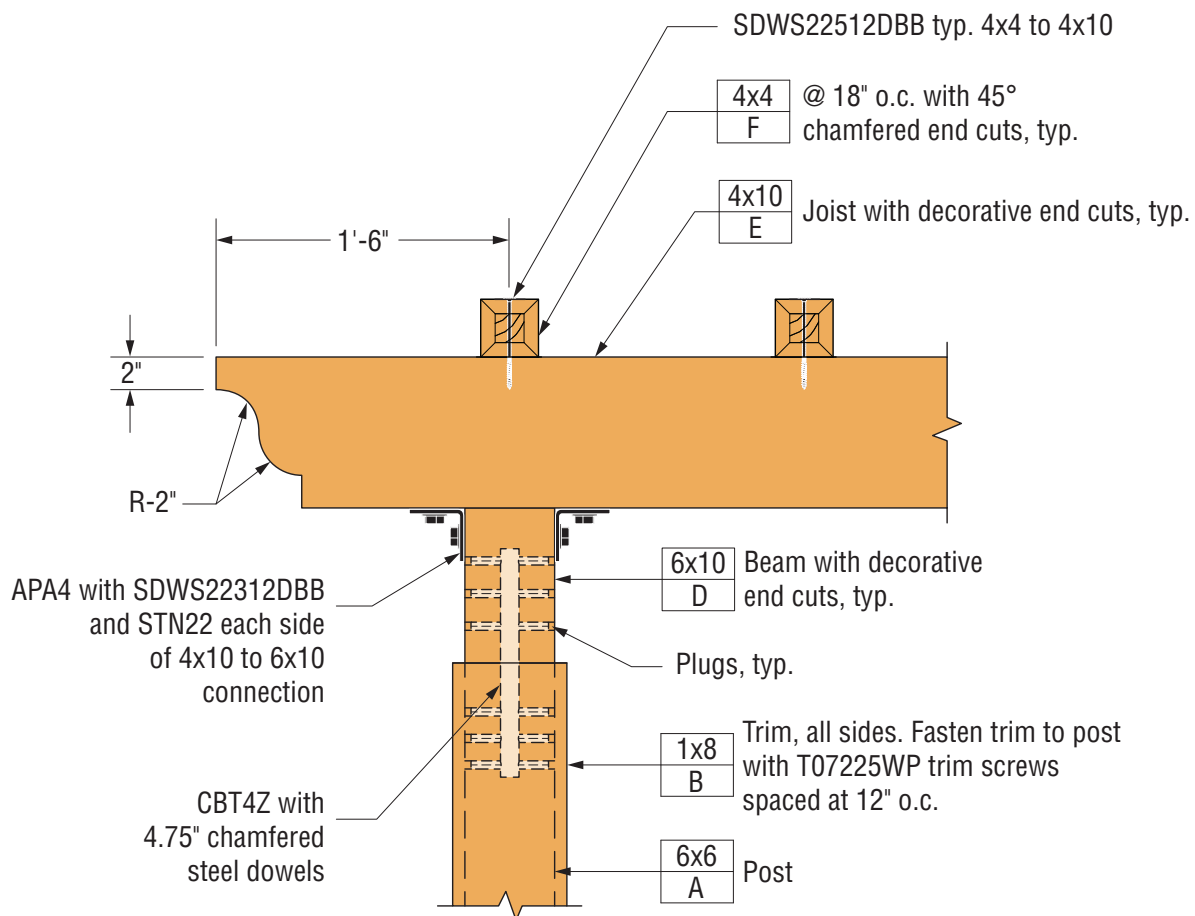
Outdoor Accents
decorative hardware

Free-Standing 18x18 Pergola



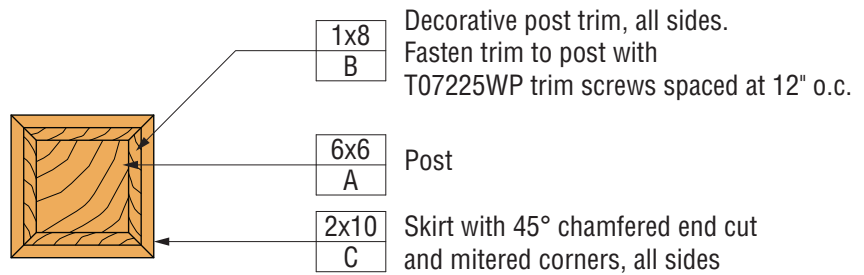
Elevation 2

Outdoor Accents
decorative hardware

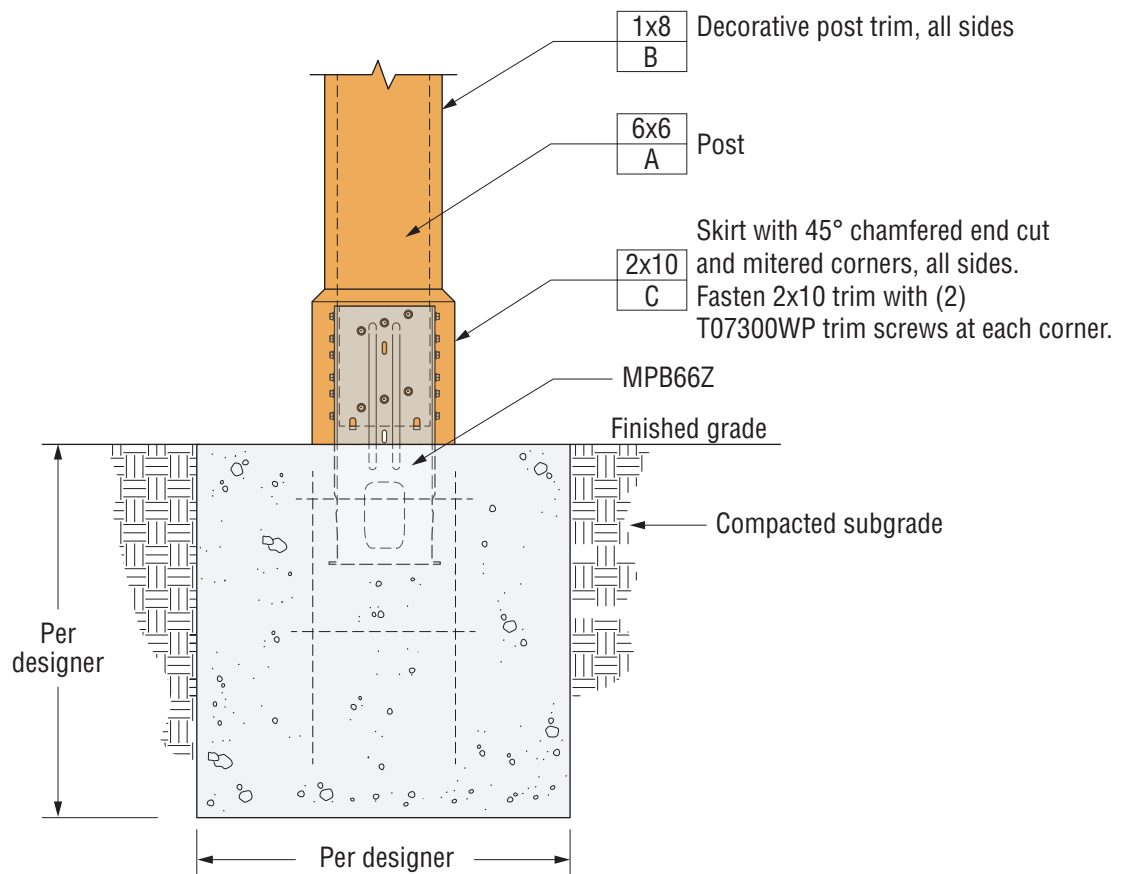


Post-to-Beam Connection

Free-Standing 18x18 Pergola



Post Plan View



Post-to-Footing Connection

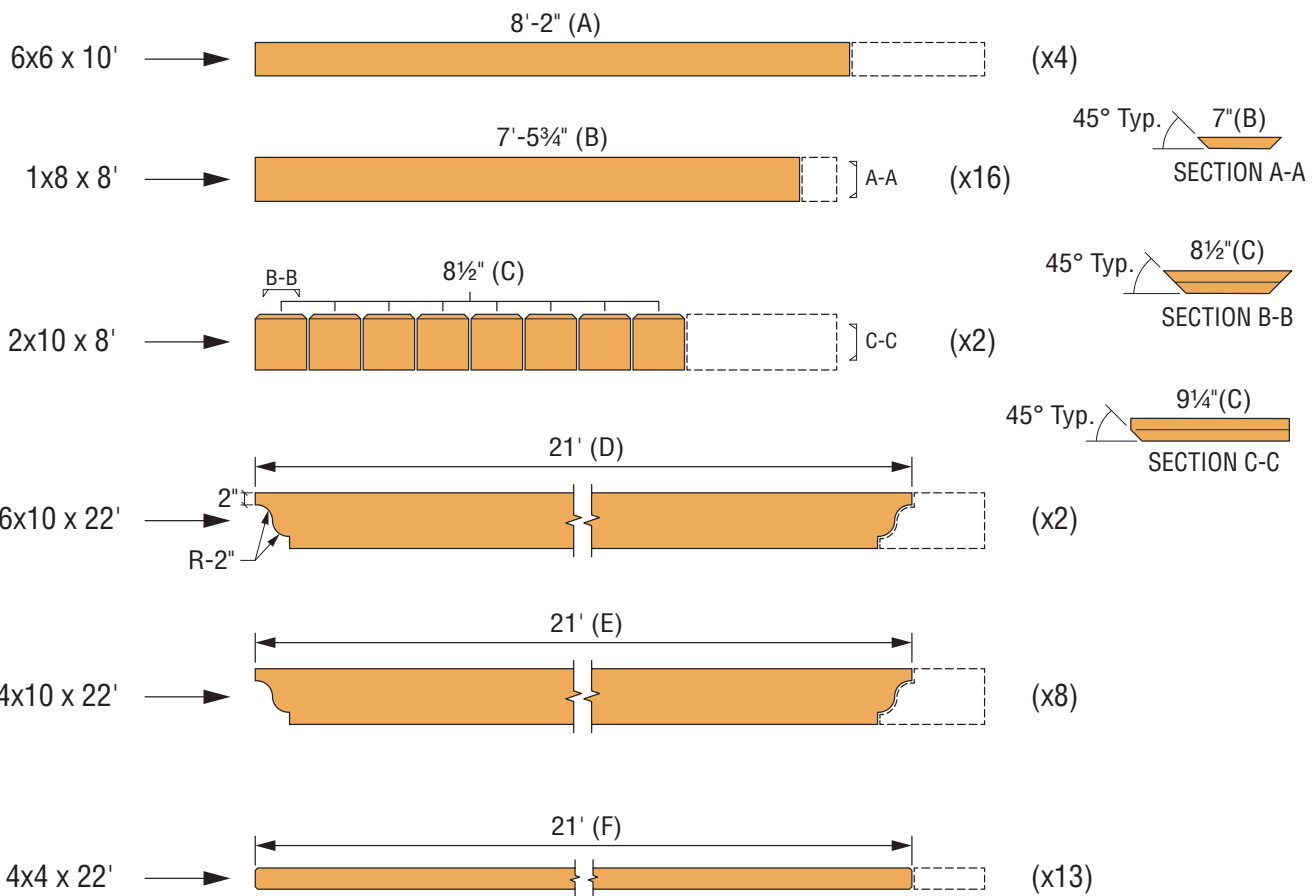
Notes:

1. Consult designer to verify post and reinforced footing specifications.
2. See the catalog pages at strongtie.com/MPBZ for footing reinforcement options.
3. Apply two coats stain or paint prior to assembly and touch-up paint or stain once installed.

Outdoor Accents
decorative hardware

Free-Standing 18x18 Pergola

Framing Schedule			
Nominal Size	Quantity	Mark	Cut Length
6x6	4	A	8'-2"
1x8	16	B	7'-5¾"
2x10	16	C	8½"
6x10	2	D	21'
4x10	8	E	21'
4x4	13	F	21'

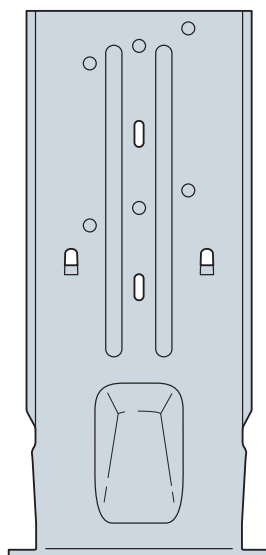


Outdoor Accents
decorative hardware

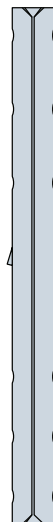
Free-Standing 18x18 Pergola

Simpson Strong-Tie® Connector and Fastener Schedule		
Model	Description	Quantity
APA4	Outdoor Accents® 90° Angle	32
MPB66Z*	6x6 Moment Post Base	4
STN22	Outdoor Accents® Hex-Head Washer	64
SDWS22312DBB	3½" Outdoor Accents Structural Wood Screw	64
SDWS22512DBB	5½" Outdoor Accents Structural Wood Screw	104
CBT4Z*	Concealed Joist Tie	4
T07225WP	Deck-Drive™ DWP Wood Stainless Steel Screw	288

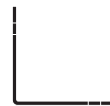
*Fasteners included with product.



MPB66Z (4)



CBT4Z (4)



APA4 (32)



SDWS22312DBB (64)

T07300WP (288)

SDWS22512DBB (104)

STN22 (64)

Outdoor Accents®
decorative hardware

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Effective Date: July 10, 2019

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SIMPSON STRONG-TIE COMPANY INC.
5956 W. LAS POSITAS BLVD.
PLEASANTON, CA 94588
(800) 999-5099

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The license provided herein is effective until terminated. This license automatically terminates if you fail to comply with its terms and conditions.

EFFECT OF TERMINATION

Termination of this Agreement by Company shall not act as a waiver of any breach of this Agreement and shall not release you from any liability for breach of your obligations under this Agreement. Company shall not be liable to you for damages of any kind as a result of terminating this Agreement in accordance with its terms, and termination of this Agreement by Company shall be without prejudice to any other right or remedy of Company under this Agreement or applicable law.

INDEMNIFICATION

By accepting this Agreement you agree to defend, indemnify and hold harmless Company, its officers, employers, agents, subsidiaries and affiliates from any direct, indirect, incidental, special, consequential or exemplary damages arising out of, relating to, or resulting from your breach of this Agreement, use of the Plans or any act or omission by you.

ASSIGNMENT

This Agreement may not be assigned, in whole or part, whether voluntarily, by operation of law or otherwise, by you without the prior written consent of Company. Subject to the preceding sentence, the rights and liabilities of the parties hereto is binding on, and shall inure to the benefit of, the parties and their respective successors and assigns. Any attempted assignment other than in accordance with this section shall be null and void.

SEVERABILITY

If the plans of any provision of this Agreement to any particular facts or circumstances shall be held to be invalid or unenforceable by an arbitration panel or a court of competent jurisdiction, then: (a) the validity and enforceability of such provision as applied to any other particular facts or circumstances and the validity of other provisions of this Agreement shall not in any way be affected or impaired thereby, and (b) such provision shall be enforced to the maximum extent possible so as to effect the intent of the parties and reformed without further action by the parties to the extent necessary to make such provision valid and enforceable.

RELATIONSHIP OF THE PARTIES

Nothing contained in this Agreement shall be deemed or construed as creating a joint venture, partnership, agency, employment or fiduciary relationship between the parties. Neither party nor their agents have any authority of any kind to bind the other party in any respect whatsoever, and the relationship of the parties is, and at all times shall continue to be, that of independent contractors.

FORCE MAJEURE

Company shall not be responsible or have any liability for any delay or failure to perform to the extent due to unforeseen circumstances or causes beyond its reasonable control, including, without limitation, acts of God, earthquake, fire, flood, embargoes, labor disputes and strikes, riots, war, novelty of product manufacture or other unanticipated product development problems, and acts of civil and military authorities.

ENTIRE AGREEMENT

This Agreement, along with the Simpson Strong-Tie [User Agreement](#) and [Privacy Policy](#), constitutes the entire agreement between the parties concerning the subject matter hereof and thereof, and supersedes all prior or contemporaneous representations, discussions, proposals, negotiations, conditions, agreements and communications, whether oral or written, between the parties relating to the subject matter of this Agreement and all past courses of dealing or industry custom. No amendment or modification of any provision of this Agreement shall be effective unless in writing and signed by a duly authorized signatory of Company and you.

License Agreement and Terms

GENERAL

This agreement shall be governed by the laws for the State of California, without regard to choice of law or conflicts of law principles. You agree that any action, suit, or proceeding arising from or related to use of the Plans shall be brought exclusively in the federal or state courts of the State of California.

For help in using the Plans, refer to the information made available on the Company's website. For technical engineering support, call (800) 999-5099.

The construction plan for this project is designed to be completed by people with basic carpentry skills in standard situations. If your situation is unique, talk with someone with detailed carpentry or construction experience before starting your project. Particular attention was paid to the steps and details in this plan, but they cannot be guaranteed to be error free. Simpson Strong-Tie shall not be responsible for any possible loss, damage or injury resulting directly or indirectly from the information contained here.

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