

# Wall Bracing Solutions for Slab-on-Grade Foundations

BALLOON FRAMING: Wind solutions										
Equivalent Wall Bracing Length (ft)	Nominal Frame Width (ft)	Model No.	Footing <sup>11</sup> Width, W (in)	Footing <sup>11</sup> Depth, D (in)	Cast-in-Place Anchor <sup>3</sup>		Post Installed Solutions <sup>3</sup>			
					Minimum <sup>2,10</sup> End Distance (in)	Anchor <sup>5,7</sup> Assembly	5/8" Rod with SET-XP™/SET/AT <sup>6,8</sup>		3/4" Dia. Titen HD <sup>®</sup>	
							Minimum <sup>2,10</sup> End Distance (in)	Embedment Depth - l <sub>e</sub> (in)	Minimum <sup>2,10</sup> End Distance (in)	Embedment Depth - l <sub>e</sub> (in)
<b>18' Nominal Heights</b>										
8	8	OMF99-8x18	22	14	4.5	OMFAB9-24	4.5	12	6	6.25
	10	OMF912-10x18							4.5	
	12	OMF912-12x18							4.5	
	16	OMF912-16x18							4.5	
<b>19' Nominal Heights</b>										
8	8	OMF912-8x19	22	14	4.5	OMFAB9-24	4.5	12	6	6.25
	10	OMF912-10x19							4.5	
	12	OMF912-12x19							4.5	
	16	OMF129-16x19							4.5	
<b>BALLOON FRAMING: Seismic solutions</b>										
<b>18' Nominal Heights</b>										
8	8	OMF129-8x18	32	16	4.5	OMFSL9-24	4.5	12	11 <sup>5</sup>	6.25
	10	OMF129-10x18							7.5 <sup>4</sup>	
	12	OMF1212-12x18							6	
	16	OMF1212-16x18							6	
12	8	OMF1512-8x18	38	16	4.5	OMFSL9-24	7.5 <sup>4</sup>	12	NS	NS
	10	OMF1512-10x18							NS	NS
	12	OMF1512-12x18							NS	NS
<b>19' Nominal Heights</b>										
8	8	OMF129-8x19	32	16	4.5	OMFSL9-24	4.5	12	11 <sup>5</sup>	6.25
	10	OMF1212-10x19							7.5 <sup>4</sup>	
	12	OMF1212-12x19							6	
	16	OMF1212-16x19							6	
12	8	OMF1512-8x19	38	16	4.5	OMFSL9-24	NS	NS	NS	NS

- See general notes for additional information.
- See foundation details for typical minimum end distances and edge distances.
- Cast-in-place solution requires 1¼" minimum edge distance. Post installed solutions require 1¾" minimum edge distance, and 5/8" dia. A36 threaded rods.
- Solution requires 3" minimum edge distance.
- Solution requires 5" minimum edge distance.
- Simpson Strong-Tie® SET-XP™ anchoring adhesive required for seismic solutions.

- Select OMFSL and OMFAB anchorage assemblies to provide minimum embedment of 8" into footing.
- For Simpson Strong-Tie® Acrylic-Tie® adhesive solutions, increase embedment depths shown by 4".
- NS = No solution.
- See page 38 for possible wall configuration for required anchorage end and edge distance.
- See pages 59–60 for footing and grade-beam size and reinforcing required.