

Wall Bracing *Wind Solutions for Stemwall / Curb / Brick Ledge (Anchorage into Footing)*

Equivalent Wall Bracing Length (ft)	Nominal Frame Width (ft)	Model No.	Minimum ¹⁰ Footing Width, W (in)	Minimum ¹⁰ Footing Depth, D (in)	Cast-in-Place Anchor ³			Post Installed (Adhesive) ³			
					Min. End ^{2,5} Distance (in)	Anchor Bolt ⁷ or Assembly	Min. Stem Width (in)	½" Rod with SET-XP™/SET/AT ^{6,8}		Min. Stem Width (in)	
								Min. End ^{2,5} Distance (in)	Embedment Depth - l _e (in)		
SINGLE STORY											
8' Nominal Heights											
8	8	OMF69-8x8	18	14	4.5	OMFSL6- 24	8	4.5	12	8	
	10	OMF69-10x8									
	12	OMF69-12x8									
	16	OMF69-16x8									
12	8	OMF69-8x8	20	14	4.5	OMFSL6- 24	8	4.5	12	8	
	10	OMF69-10x8									
	12	OMF69-12x8									
	16	OMF69-16x8									
9' Nominal Heights											
8	8	OMF69-8x9	18	14	4.5	OMFSL6- 24	8	4.5	12	8	
	10	OMF69-10x9									
	12	OMF69-12x9									
	16	OMF69-16x9									
12	8	OMF69-8x9	20	14	4.5	OMFSL6- 24	8	4.5	12	8	
	10	OMF69-10x9									
	12	OMF69-12x9									
	16	OMF69-16x9									
10' Nominal Heights											
8	8	OMF69-8x10	18	14	4.5	OMFSL6- 24	8	4.5	12	8	
	10	OMF69-10x10									
	12	OMF69-12x10									
	16	OMF69-16x10									
12	8	OMF69-8x10	20	14	4.5	OMFSL6- 24	8	4.5	12	8	
	10	OMF69-10x10									
	12	OMF69-12x10									
	16	OMF69-16x10									
12' Nominal Heights											
8	8	OMF69-8x12	18	14	4.5	OMFSL6- 24	8	4.5	12	8	
	10	OMF69-10x12									
	12	OMF69-12x12									
	16	OMF69-16x12									
12	8	OMF69-8x12	20	14	4.5	OMFSL6- 24	8	6	12	8	
	10	OMF69-10x12									
	12	OMF69-12x12									
	16	OMF69-16x12									
1ST STORY OF 2 OR 3 STORIES											
8' Nominal Heights											
8	8	OMF69-8x8	22	14	4.5	OMFSL6-24	8	6	12	8	
	10	OMF69-10x8						OMFSL9-24		7.5 ⁴	10
	12	OMF69-12x8				OMFSL9- 24				6	8
	16	OMF69-16x8						4.5		12	8
12	8	OMF99-8x8	26	14	4.5	OMFSL9- 24	8	7.5 ⁴	12	10	
	10	OMF99-10x8						OMFSL9- 24		4.5	8
	12	OMF99-12x8				OMFSL9- 24				6	8
	16	OMF99-16x8						7.5 ⁴		12	10
20	8	OMF99-8x8	30	16	4.5	OMFSL9- 24	8	7.5 ⁴	12	10	
	10	OMF99-10x8						OMFSL9- 24		7.5 ⁴	12
	12	OMF99-12x8				OMFSL9- 24				7.5 ⁴	12
	16	OMF99-16x8						7.5 ⁴		12	10
9' Nominal Heights											
8	8	OMF69-8x9	22	14	4.5	OMFSL6-24	8	6	12	8	
	10	OMF69-10x9						OMFSL9-24		7.5 ⁴	10
	12	OMF69-12x9				OMFSL9- 24				4.5	12
	16	OMF69-16x9						6		12	8
12	8	OMF99-8x9	26	14	4.5	OMFSL9- 24	8	4.5	12	8	
	10	OMF99-10x9						OMFSL9- 24		6	12
	12	OMF99-12x9				OMFSL9- 24				4.5	12
	16	OMF99-16x9						7.5 ⁴		12	10
20	8	OMF99-8x9	30	16	4.5	OMFSL9- 24	8	7.5 ⁴	12	10	
	10	OMF99-10x9						OMFSL9- 24		7.5 ⁴	12
	12	OMF99-12x9				OMFSL9- 24				7.5 ⁴	12
	16	OMF99-16x9						7.5 ⁴		12	10
10' Nominal Heights											
8	8	OMF69-8x10	22	14	4.5	OMFSL6-24	8	6	12	8	
	10	OMF69-10x10						OMFSL9-24		7.5 ⁴	10
	12	OMF69-12x10				OMFSL9- 24				4.5	12
	16	OMF69-16x10						7.5 ⁴		12	8
12	8	OMF99-8x10	26	14	4.5	OMFSL9- 24	8	4.5	12	8	
	10	OMF99-10x10						OMFSL9- 24		6	12
	12	OMF99-12x10				OMFSL9- 24				4.5	12
	16	OMF99-16x10						7.5 ⁴		12	10
20	8	OMF99-8x10	30	16	4.5	OMFSL9- 24	8	7.5 ⁴	12	10	
	10	OMF99-10x10						OMFSL9- 24		7.5 ⁴	12
	12	OMF99-12x10				OMFSL9- 24				7.5 ⁴	12
	16	OMF99-16x10						7.5 ⁴		12	10
12' Nominal Heights											
8	8	OMF69-8x12	22	14	4.5	OMFSL6-24	8	6	12	8	
	10	OMF69-10x12						OMFSL9-24		7.5 ⁴	10
	12	OMF69-12x12				OMFSL9- 24				4.5	12
	16	OMF69-16x12						7.5 ⁴		12	10
12	8	OMF99-8x12	26	14	4.5	OMFSL9- 24	8	4.5	12	8	
	10	OMF99-10x12						OMFSL9- 24		NS	NS
	12	OMF99-12x12				OMFSL9- 24				4.5	12
	16	OMF99-16x12						7.5 ⁴		12	10
20	8	OMF99-8x12	30	16	4.5	OMFSL9- 24	8	NS	12	NS	
	10	OMF99-10x12						OMFSL9- 24		7.5 ⁴	12
	12	OMF99-12x12				OMFSL9- 24				7.5 ⁴	12
	16	OMF99-16x12						7.5 ⁴		12	10

- 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 requires 1¼" minimum edge distance.
- Solution requires 3" minimum edge distance.
- See page 38 for possible wall configuration for required anchorage end and edge distances.

- Simpson Strong-Tie® SET-XP™ anchoring adhesive required for seismic solutions.
- For tall curb/stemwall select OMFSL anchor assembly with a larger l_e or use an OMFSL extension kit to provide 8" minimum embedment into footing.
- For Simpson Strong-Tie® Acrylic-Tie® adhesive solutions, increase embedment depths shown by 4".
- NS = No close to edge and end of stem wall solutions.
- See pages 59–60 for footing and grade beam size and reinforcing required.

Wall Bracing *Seismic Solutions for Stemwall / Curb / Brick Ledge (Anchorage into Footing)*

Equivalent Wall Bracing Length (ft)	Nominal Frame Width (ft)	Model No.	Minimum Footing Width, W (in)	Minimum Footing Depth, D (in)	Cast-in-Place Anchor ³			Post Installed (Adhesive) ³				
					Min. End ^{2,5} Distance (in)	Anchor Bolt ⁷ or Assembly	Min. Stem Width (in)	% Rod with SET-XP™/SET/AT ^{6,8}		Min. Stem Width (in)		
SINGLE STORY												
8' Nominal Heights												
8	8	OMF99-8x8	22	14	4.5	OMFSL9-24	8	4.5	12	8		
	10	OMF99-10x8						6				
	12	OMF99-12x8										
	16	OMF99-16x8										
12	8	OMF99-8x8	24	16	4.5	OMFSL9-24	8	4.5	12	8		
	10	OMF99-10x8						6				
	12	OMF99-12x8										
	16	OMF99-16x8										
9' Nominal Heights												
8	8	OMF99-8x9	22	14	4.5	OMFSL9-24	8	4.5	12	8		
	10	OMF99-10x9						6				
	12	OMF99-12x9										
	16	OMF99-16x9										
12	8	OMF99-8x9	24	16	4.5	OMFSL9-24	8	4.5	12	8		
	10	OMF99-10x9						6				
	12	OMF99-12x9										
	16	OMF99-16x9										
10' Nominal Heights												
8	8	OMF99-8x10	22	14	4.5	OMFSL9-24	8	4.5	12	8		
	10	OMF99-10x10						6				
	12	OMF99-12x10										
	16	OMF99-16x10										
12	8	OMF99-8x10	24	16	4.5	OMFSL9-24	8	4.5	12	8		
	10	OMF99-10x10						6				
	12	OMF99-12x10										
	16	OMF99-16x10										
12' Nominal Heights												
8	8	OMF99-8x12	22	14	4.5	OMFSL9-24	8	4.5	12	8		
	10	OMF99-10x12										
	12	OMF99-12x12										
	16	OMF99-16x12										
12	8	OMF99-8x12	24	16	4.5	OMFSL9-24	8	6	12	8		
	10	OMF99-10x12										
	12	OMF99-12x12										
	16	OMF99-16x12										
1ST STORY OF 2 OR 3 STORIES												
8' Nominal Heights												
8	8	OMF99-8x8	28	16	4.5	OMFSL9-24	8	7.5 ⁴	12	10		
	10	OMF99-10x8						NS			NS	NS
	12	OMF99-12x8										
	16	OMF99-16x8										
12	8	OMF99-8x8	32	16	4.5	OMFSL9-24	8	NS	NS	NS		
	10	OMF99-10x8										
	12	OMF99-12x8										
	16	OMF99-16x8										
20	8	OMF99-8x8	38	18	4.5	OMFSL9-24	8	NS	NS	NS		
	10	OMF99-10x8			7.5 ⁴							
	12	OMF99-12x8										
	16	OMF912-16x8										
9' Nominal Heights												
8	8	OMF99-8x9	28	16	4.5	OMFSL9-24	8	7.5 ⁴	12	10		
	10	OMF99-10x9						NS			NS	NS
	12	OMF99-12x9										
	16	OMF99-16x9										
12	8	OMF99-8x9	32	16	4.5	OMFSL9-24	8	NS	NS	NS		
	10	OMF99-10x9										
	12	OMF99-12x9										
	16	OMF99-16x9										
20	8	OMF129-8x9	38	18	4.5	OMFSL9-24	8	NS	NS	NS		
	10	OMF912-10x9			7.5 ⁴							
	12	OMF912-12x9										
	16	OMF912-16x9										
10' Nominal Heights												
8	8	OMF99-8x10	28	16	4.5	OMFSL9-24	8	7.5 ⁴	12	10		
	10	OMF99-10x10										
	12	OMF99-12x10										
	16	OMF99-16x10										
12	8	OMF99-8x10	36	16	4.5	OMFSL9-24	8	NS	NS	NS		
	10	OMF99-10x10										
	12	OMF99-12x10										
	16	OMF99-16x10										
20	8	OMF1212-8x10	44	18	6.0	OMFSL9-24	8	NS	NS	NS		
	10	OMF1212-10x10			7.5 ⁴							
	12	OMF1212-12x10										
	16	OMF1212-16x10										
12' Nominal Heights												
8	8	OMF99-8x12	28	16	4.5	OMFSL9-24	8	7.5 ⁴	12	10		
	10	OMF99-10x12										
	12	OMF99-12x12										
	16	OMF99-16x12										
12	8	OMF99-8x12	36	16	4.5	OMFSL9-24	8	NS	NS	NS		
	10	OMF912-10x12										
	12	OMF912-12x12										
	16	OMF912-16x12										
20	8	OMF1212-8x12	44	18	6.0	OMFSL9-24	8	NS	NS	NS		
	10	OMF1212-10x12			7.5 ⁴							
	12	OMF1212-12x12										
	16	OMF1512-16x12										

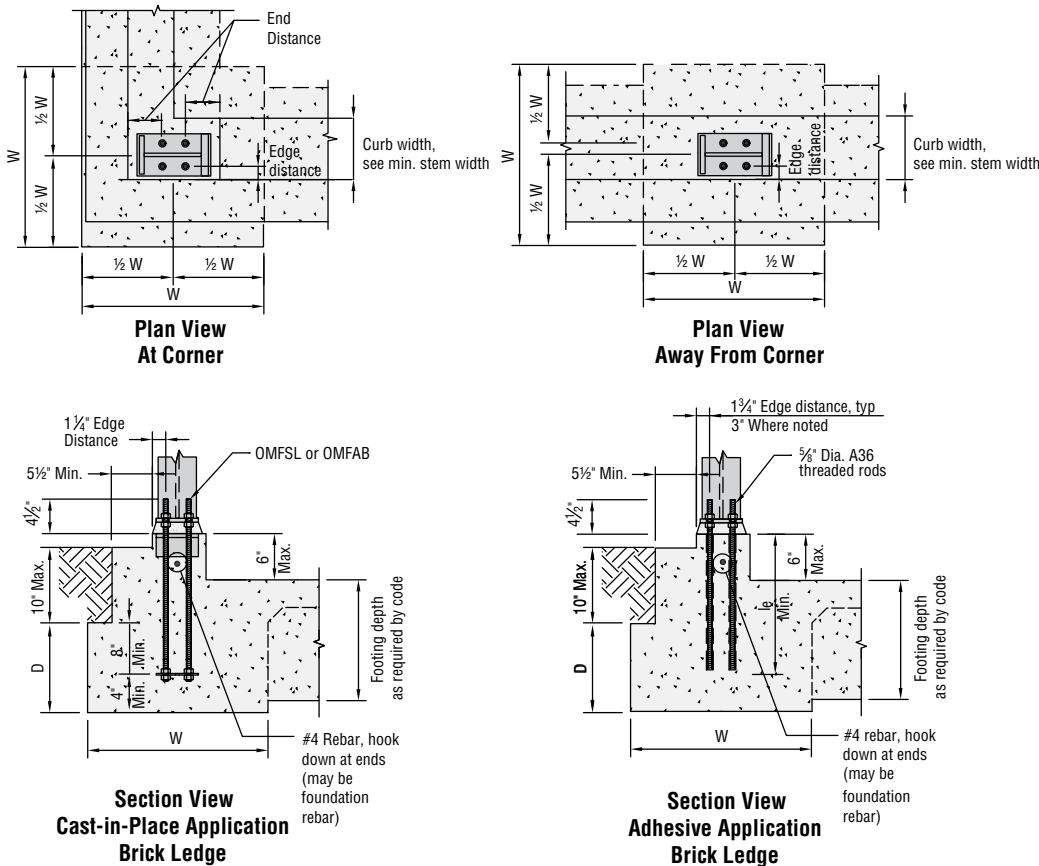
- See general notes for additional information.
- See foundation details for typical minimum end distances and edge distances.
- Cast-in-place solution requires 1/4" minimum edge distance. Post-installed solutions requires 1 1/4" minimum edge distance.
- Solution requires 3" minimum edge distance.
- See page 38 for possible wall configuration for required anchorage end and edge distances.
- Simpson Strong-Tie® SET-XP™ anchoring adhesive required for seismic solutions.
- For tall curb/stemwall select OMFSL anchor assembly with a larger I_e or use an OMFSL extension kit to provide 8" minimum embedment into footing.
- For Simpson Strong-Tie® Acrylic-Tie® adhesive solutions, increase embedment depths shown by 4".
- NS = No close to edge and end of stem wall solutions.
- See pages 59–60 for footing and grade beam size and reinforcing required.

Wall Bracing Solutions for Stemwall / Curb / Brick Ledge Foundations (Anchorage into Footing)

BALLOON FRAMING: Wind Solutions										
Equivalent Wall Bracing Length (ft)	Nominal Frame Width (ft)	Model No.	Footing ¹⁰ Width, W (in)	Footing ¹⁰ Depth, D (in)	Cast-in-Place Anchor ³			Post Installed Solutions ³		
					Minimum ^{2,9} End Distance (in)	Anchor Bolt ⁴ Assembly	Minimum Stem/Curb Width (in)	5/8" Rod with SET-XP™ / SET / AT ^{5,7}		
								Minimum ^{2,9} End Distance (in)	Embedment Depth - l _e (in)	Minimum Stem/Curb Width (in)
18' Nominal Heights										
8	8	OMF99-8x18	22	14	4.5	OMFAB9-24	8	8	6	8
	10	OMF912-10x18								
	12	OMF912-12x18								
	16	OMF912-16x18								
19' Nominal Heights										
8	8	OMF912-8x19	22	14	4.5	OMFAB9-24	8	4.5	6	8
	10	OMF912-10x19								
	12	OMF912-12x19								
	12	OMF129-12x19								
	16	OMF129-16x19								
BALLOON FRAMING: Seismic Solutions										
18' Nominal Heights										
8	8	OMF129-8x18	16	30	6.0	OMFSL9-24	8	6	6	8
	10	OMF129-10x18								
	12	OMF1212-12x18								
	16	OMF1212-16x18								
12	8	OMF1512-8x18	38	16	4.5	OMFSL9-24	8	7.5 ⁴	12	10
	10	OMF1512-10x18								
	12	OMF1512-12x18								
19' Nominal Heights										
8	8	OMF129-8x19	16	30	6.0	OMFSL9-24	8	6	6	8
	10	OMF1212-10x19								
	12	OMF1212-12x19								
	16	OMF1212-16x19								
	12	OMF1512-8x19								

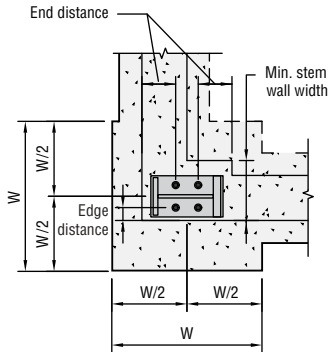
1. See general notes for additional information.
2. See foundation details for typical minimum end distances and edge distances.
3. Cast-in-place solutions requires 1 1/4" minimum edge distance. Post-installed solutions require 1 3/4" minimum edge distance and 5/8" dia. A36 threaded rods.
4. Solution requires 3" minimum edge distance.
5. Simpson Strong-Tie® SET-XP™ anchoring adhesive required for seismic solutions.
6. Select OMFAB or OMFSL anchor assembly with longer l_e or use OMFAB or OMFSL extension kit to provide 8" of minimum embedment depth.
7. For Simpson Strong-Tie® Acrylic-Tie® anchoring adhesive solutions, increase embedment depths shown by 4".
8. See page 38 for possible wall configuration for required anchorage end and edge distance.
9. See pages 59-60 for footing and grade-beam size and reinforcing required.

Wall Bracing: Solution for Brick Ledge Foundations

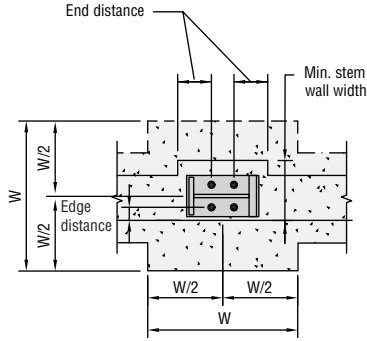


Wall Bracing Solutions for Stemwall / Curb / Brick Ledge Foundations (Anchorage into Footing)

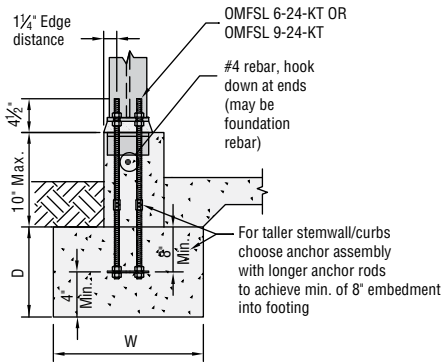
Wall Bracing: Stem Wall / Curb Foundations (Anchorage to Footing)



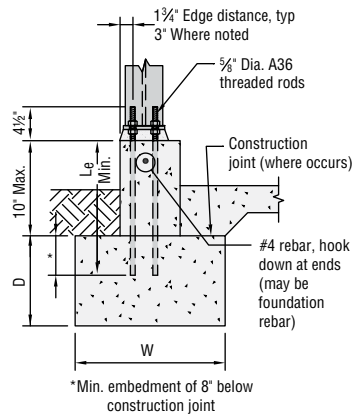
**Plan View
at Corner**



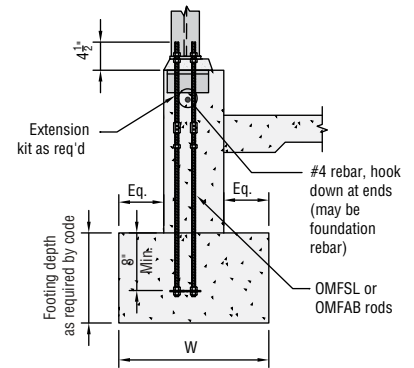
**Plan View
Away From Corner**



**Section View
Cast-in-Place Application**



**Section View
Adhesive Anchor Application**



**Section View
Cast-in-Place
Extension Application**

Note: Place moment frame anchorage before placing rebar.