

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	10
	12	OMF99-12x8				OMFSL9- 24				7.5 ⁴	10
	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	8
	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	10
	12	OMF99-12x9				OMFSL9- 24				7.5 ⁴	10
	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	8
	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	10
	12	OMF99-12x10				OMFSL9- 24				7.5 ⁴	10
	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		6	8
	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	10
	12	OMF99-12x12				OMFSL9- 24				7.5 ⁴	10
	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						6				
	16	OMF99-16x8						6				
12	8	OMF99-8x8	24	16	4.5	OMFSL9-24	8	4.5	12	8		
	10	OMF99-10x8						6				
	12	OMF99-12x8						6				
	16	OMF99-16x8						6				
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						6				
	16	OMF99-16x9						6				
12	8	OMF99-8x9	24	16	4.5	OMFSL9-24	8	4.5	12	8		
	10	OMF99-10x9						6				
	12	OMF99-12x9						6				
	16	OMF99-16x9						6				
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						6				
	16	OMF99-16x10						6				
12	8	OMF99-8x10	24	16	4.5	OMFSL9-24	8	4.5	12	8		
	10	OMF99-10x10						6				
	12	OMF99-12x10						6				
	16	OMF99-16x10						6				
12' Nominal Heights												
8	8	OMF99-8x12	22	14	4.5	OMFSL9-24	8	4.5	12	8		
	10	OMF99-10x12						6				
	12	OMF99-12x12						6				
	16	OMF99-16x12						6				
12	8	OMF99-8x12	24	16	4.5	OMFSL9-24	8	6	12	8		
	10	OMF99-10x12						6				
	12	OMF99-12x12						6				
	16	OMF99-16x12						6				
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						NS			NS	NS
	16	OMF99-16x8						NS			NS	NS
12	8	OMF99-8x8	32	16	4.5	OMFSL9-24	8	NS	NS	NS		
	10	OMF99-10x8						NS			NS	NS
	12	OMF99-12x8						NS			NS	NS
	16	OMF99-16x8						NS			NS	NS
20	8	OMF99-8x8	38	18	4.5	OMFSL9-24	8	NS	NS	NS		
	10	OMF99-10x8			7.5 ⁴						10	
	12	OMF99-12x8			7.5 ⁴						10	
	16	OMF912-16x8			7.5 ⁴						10	
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						NS			NS	NS
	16	OMF99-16x9						NS			NS	NS
12	8	OMF99-8x9	32	16	4.5	OMFSL9-24	8	NS	NS	NS		
	10	OMF99-10x9						NS			NS	NS
	12	OMF99-12x9						NS			NS	NS
	16	OMF99-16x9						NS			NS	NS
20	8	OMF129-8x9	38	18	4.5	OMFSL9-24	8	NS	NS	NS		
	10	OMF912-10x9			7.5 ⁴						10	
	12	OMF912-12x9			7.5 ⁴						10	
	16	OMF912-16x9			7.5 ⁴						10	
10' Nominal Heights												
8	8	OMF99-8x10	28	16	4.5	OMFSL9-24	8	7.5 ⁴	12	10		
	10	OMF99-10x10						NS			NS	NS
	12	OMF99-12x10						NS			NS	NS
	16	OMF99-16x10						NS			NS	NS
12	8	OMF99-8x10	36	16	4.5	OMFSL9-24	8	NS	NS	NS		
	10	OMF99-10x10						NS			NS	NS
	12	OMF99-12x10						NS			NS	NS
	16	OMF99-16x10						NS			NS	NS
20	8	OMF1212-8x10	44	18	6.0	OMFSL9-24	8	NS	NS	NS		
	10	OMF1212-10x10			7.5 ⁴						10	
	12	OMF1212-12x10			7.5 ⁴						10	
	16	OMF1212-16x10			7.5 ⁴						10	
12' Nominal Heights												
8	8	OMF99-8x12	28	16	4.5	OMFSL9-24	8	7.5 ⁴	12	10		
	10	OMF99-10x12						NS			NS	NS
	12	OMF99-12x12						NS			NS	NS
	16	OMF99-16x12						NS			NS	NS
12	8	OMF99-8x12	36	16	4.5	OMFSL9-24	8	NS	NS	NS		
	10	OMF912-10x12						NS			NS	NS
	12	OMF912-12x12						NS			NS	NS
	16	OMF912-16x12						NS			NS	NS
20	8	OMF1212-8x12	44	18	6.0	OMFSL9-24	8	NS	NS	NS		
	10	OMF1212-10x12			7.5 ⁴						10	
	12	OMF1212-12x12			7.5 ⁴						10	
	16	OMF1512-16x12			7.5 ⁴						10	

- 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.

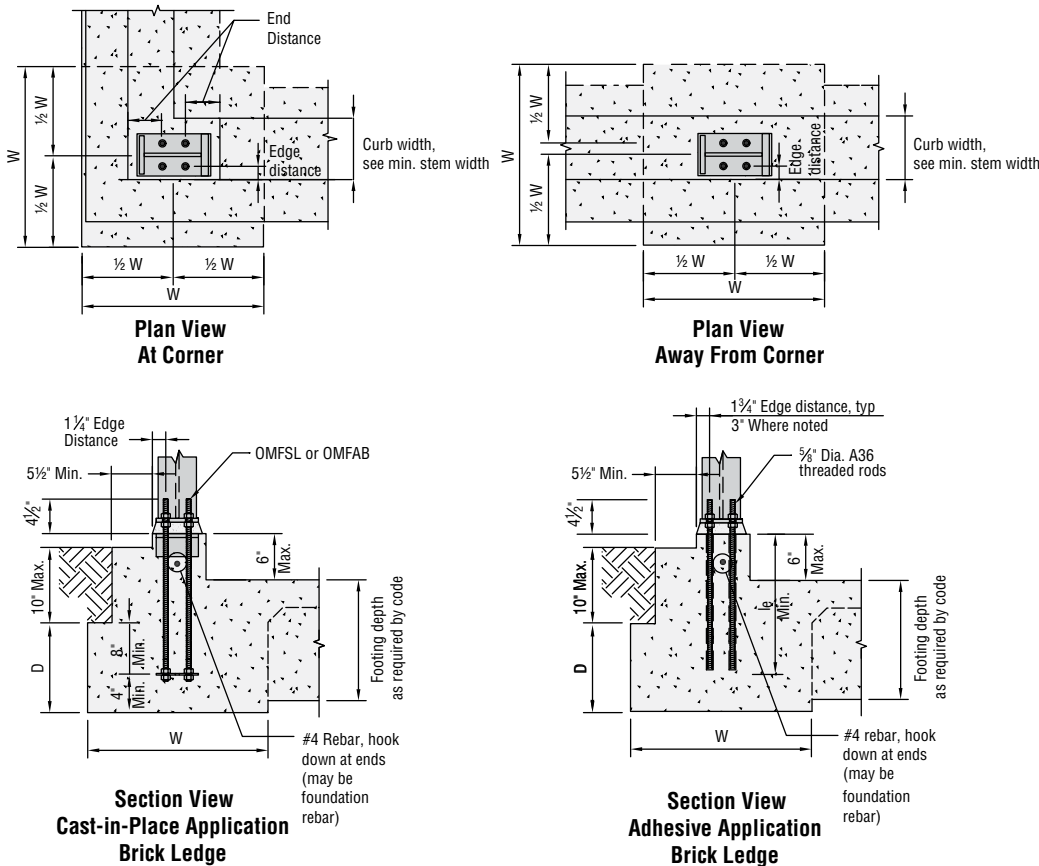
Wall Bracing Solutions for Stemwall / Curb / Brick Ledge Foundations (Anchorage into Footing)

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								
	16	OMF129-16x19								
									7.5	6

BALLOON FRAMING: Seismic Solutions										
18' Nominal Heights										
Equivalent Wall Bracing Length (ft)	Nominal Frame Width (ft)	Model No.	Footing ¹⁰ Width, W (in)	Footing ¹⁰ Depth, D (in)	Minimum ^{2,9} End Distance (in)	Anchor Bolt ⁴ Assembly	Minimum Stem/Curb Width (in)	Minimum ^{2,9} End Distance (in)	Embedment Depth - l _e (in)	Minimum Stem/Curb Width (in)
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	8								

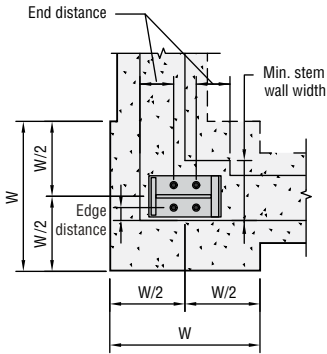
1. See general notes for additional information.
2. See foundation details for typical minimum end distances and edge distances.
3. Cast-in-place solutions requires 1 1/4" minimum edge distance. Post-installed solutions require 1 3/4" minimum edge distance and 5/8" dia. A36 threaded rods.
4. Solution 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

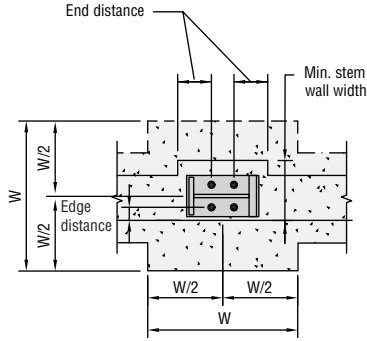


Wall Bracing Solutions for Stemwall / Curb / Brick Ledge Foundations (Anchorage into Footing)

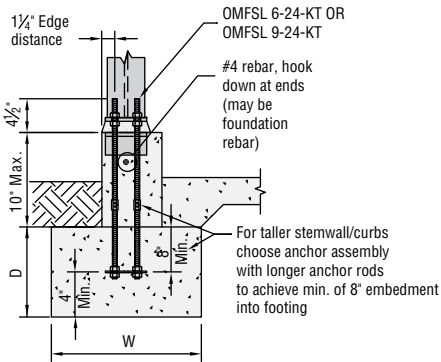
Wall Bracing: Stem Wall / Curb Foundations (Anchorage to Footing)



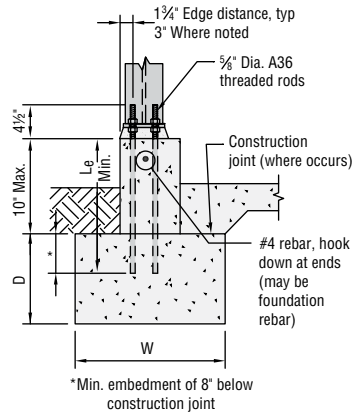
**Plan View
at Corner**



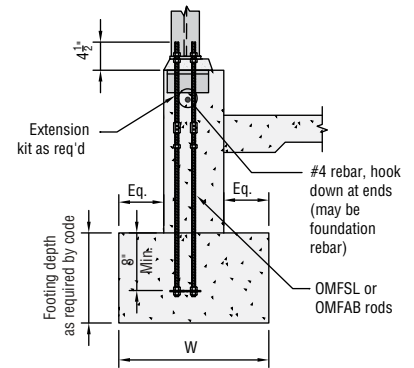
**Plan View
Away From Corner**



**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.