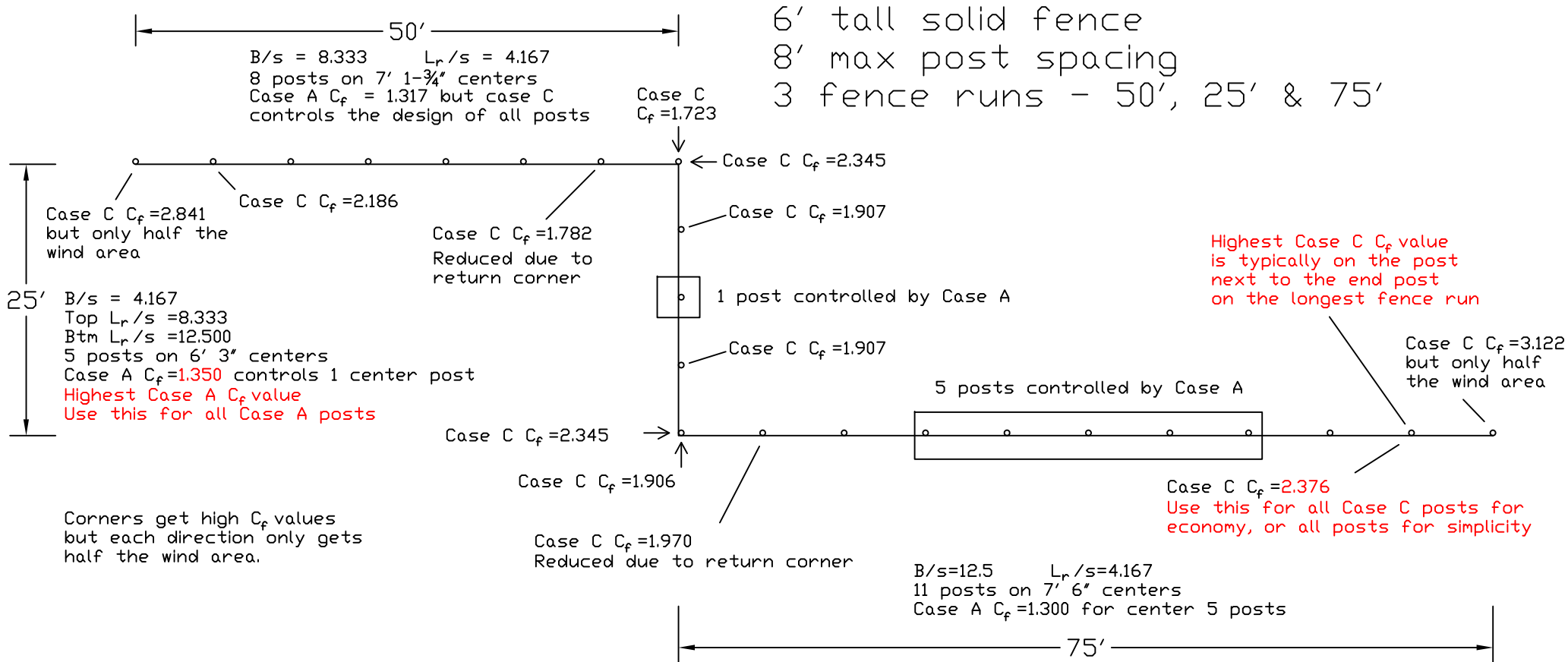
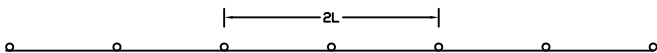


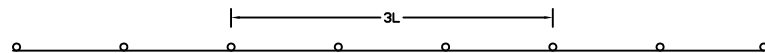
Check shortest runs for largest Case A C_f value
 Check longest runs for largest Case C C_f value
 Extra information shown to demonstrate how the values change with position



Odd number of posts
 2 x times the post spacing, L or greater must be Case A, or Case C controls the entire fence run



Even number of posts
 3 x times the post spacing, L or greater must be Case A, or Case C controls the entire fence run



50' fence run

C _f values for solid & mostly solid fencing (ε or ε' > 0.7)					
B =	50.000	ft	Length of Straight Fence Run Being Analyzed	Maximum Post Spacing	8.000 ft
L =	7.143	ft	Even Post Spacing - 8 Posts, 7' 1-3/4" on Center	Even Post Spacings for Length, B	<input checked="" type="radio"/> Use → 7.143 ft
h =	6.000	ft	Fence Height (3' minimum - 20' maximum)		<input type="radio"/> Use → 6.250 ft
g =	0.000	ft	Gap between the ground and bottom of fencing		<input type="radio"/> Use → 5.556 ft
s =	6.000	ft	Height of Fencing Materials, s = h - g		<input type="radio"/> Use → 5.000 ft
s / h =	1.000	-	Clearance Ratio		
B / s =	8.333	-	Aspect Ratio		
R ₂ =	0.800	-	Case C Reduction Factor	R ₂ = (1.8 - s/h) ≤ 1.0	
L _{TL} =	0.000	ft	Length of Left Return Corner (0 ft if no return)	Left and right ends of fence run when looking at the front face of the fencing	
L _{TR} =	25.000	ft	Length of Right Return Corner (0 ft if no return)		
L _{TL} / s =	0.000	-	Left Return Corner Length to Fencing Height Ratio		
L _{TR} / s =	4.167	-	Right Return Corner Length to Fencing Height Ratio		
R _{3L} =	1.000	-	Left Return Corner Reduction Factor	Per ASCE 7 §29 solid wall return corner table	
R _{3R} =	0.600	-	Right Return Corner Reduction Factor		
C _{fA} =	1.317	-	Force Coefficient - Case A Use C _{fA} for line posts away from ends and corners	Per ASCE 7 §29 solid wall Case A table	
C _{fA-max} =	1.350	-	Highest C _{fA} value that controls elsewhere in fence	Put in the highest C _{fA} controlling a fence run	

Raw Case C C_f Values

C _{f0} =	3.583	-	Force Coefficient - Case C - 0 to s	Per ASCE 7 §29 solid wall Case C table Values in red are lower than the Case A C _f value
C _{f1} =	2.317	-	Force Coefficient - Case C - s to 2s	
C _{f2} =	1.717	-	Force Coefficient - Case C - 2s to 3s	
C _{f3} =	1.033	-	Force Coefficient - Case C - > 3s	
C _{f4} =	0.000	-	N/A for B/s < 13	
C _{f5} =	0.000	-	N/A for B/s < 13	
C _{f6} =	0.000	-	N/A for B/s < 13	

Reduced Case C C_f values per Case C Reduction Factor, R₂ and Return Corner Reduction Factors, R_{3L} & R_{3R}

C _{fr0L} =	2.867	-	Reduced Force Coefficient - Left Case C - 0 to s	C _{fr0L} = R ₂ R _{3L} C _{f0} Left end - 0 to s region
C _{fr0R} =	1.720	-	Reduced Force Coefficient - Right Case C - 0 to s	C _{fr0R} = R ₂ R _{3R} C _{f0} Right end - 0 to s region
C _{fr1} =	1.853	-	Reduced Force Coefficient - Case C - s to 2s	C _{fr1} = R ₂ C _{f1}
C _{fr2} =	1.373	-	Reduced Force Coefficient - Case C - 2s to 3s	C _{fr2} = R ₂ C _{f2}
C _{fr3} =	0.827	-	Reduced Force Coefficient - Case C - > 3s	C _{fr3} = R ₂ C _{f3}
C _{fr4} =	0.000	-	N/A for B/s < 13	C _{fr4} = R ₂ C _{f4}
C _{fr5} =	0.000	-	N/A for B/s < 13	C _{fr5} = R ₂ C _{f5}
C _{fr6} =	0.000	-	N/A for B/s < 13	C _{fr6} = R ₂ C _{f6}

Equivalent Post C_f values per Post Spacing, L

C _{FE1} =	2.841	-	Left End	C _{FE1} =	1.723	-	Right Corner
C _{FE2} =	2.186	-	2 nd Post	C _{FE2} =	1.782	-	2 nd Post
C _{FE3} =	1.421	-	3 rd Post	C _{FE3} =	1.421	-	3 rd Post

Case C controls the entire fence run

25' fence run

C _f values for solid & mostly solid fencing (ε or ε' > 0.7)					
B =	25.000	ft	Length of Straight Fence Run Being Analyzed	Maximum Post Spacing	8.000 ft
L =	6.250	ft	Even Post Spacing - 5 Posts, 6' 3" on Center	Even Post Spacings for Length, B	<input checked="" type="radio"/> Use → 6.250 ft
h =	6.000	ft	Fence Height (3' minimum - 20' maximum)		<input type="radio"/> Use → 5.000 ft
g =	0.000	ft	Gap between the ground and bottom of fencing		<input type="radio"/> Use → 4.167 ft
s =	6.000	ft	Height of Fencing Materials, s = h - g		<input type="radio"/> Use → 3.571 ft
s / h =	1.000	-	Clearance Ratio		
B / s =	4.167	-	Aspect Ratio		
R ₂ =	0.800	-	Case C Reduction Factor	R ₂ = (1.8 - s/h) ≤ 1.0	
L _{TL} =	50.000	ft	Length of Left Return Corner (0 ft if no return)	Left and right ends of fence run when looking at the front face of the fencing	
L _{TR} =	75.000	ft	Length of Right Return Corner (0 ft if no return)		
L _{TL} / s =	8.333	-	Left Return Corner Length to Fencing Height Ratio	Per ASCE 7 §29 solid wall return corner table	
L _{TR} / s =	12.500	-	Right Return Corner Length to Fencing Height Ratio		
R _{3L} =	1.000	-	Left Return Corner Reduction Factor	Per ASCE 7 §29 solid wall Case A table	
R _{3R} =	1.000	-	Right Return Corner Reduction Factor		
C _{fA} =	1.350	-	Force Coefficient - Case A Use C _{fA} for line posts away from ends and corners	Per ASCE 7 §29 solid wall Case A table	
C _{fA-max} =	1.350	-	Highest C _{fA} value that controls elsewhere in fence	Put in the highest C _{fA} controlling a fence run	
Raw Case C C _f Values					
C _{f0} =	2.933	-	Force Coefficient - Case C - 0 to s	Per ASCE 7 §29 solid wall Case C table Values in red are lower than the Case A C _f value	
C _{f1} =	1.917	-	Force Coefficient - Case C - s to 2s		
C _{f2} =	1.325	-	Force Coefficient - Case C - 2s to 3s		
C _{f3} =	1.092	-	Force Coefficient - Case C - > 3s		
C _{f4} =	0.000	-	N/A for B/s < 13		
C _{f5} =	0.000	-	N/A for B/s < 13		
C _{f6} =	0.000	-	N/A for B/s < 13		
Reduced Case C C _f values per Case C Reduction Factor, R ₂ and Return Corner Reduction Factors, R _{3L} & R _{3R}					
C _{fr0L} =	2.347	-	Reduced Force Coefficient - Left Case C - 0 to s	C _{fr0L} = R ₂ R _{3L} C _{f0}	Left end - 0 to s region
C _{fr0R} =	2.347	-	Reduced Force Coefficient - Right Case C - 0 to s	C _{fr0R} = R ₂ R _{3R} C _{f0}	Right end - 0 to s region
C _{fr1} =	1.533	-	Reduced Force Coefficient - Case C - s to 2s	C _{fr1} = R ₂ C _{f1}	
C _{fr2} =	1.060	-	Reduced Force Coefficient - Case C - 2s to 3s	C _{fr2} = R ₂ C _{f2}	
C _{fr3} =	0.873	-	Reduced Force Coefficient - Case C - > 3s	C _{fr3} = R ₂ C _{f3}	
C _{fr4} =	0.000	-	N/A for B/s < 13	C _{fr4} = R ₂ C _{f4}	
C _{fr5} =	0.000	-	N/A for B/s < 13	C _{fr5} = R ₂ C _{f5}	
C _{fr6} =	0.000	-	N/A for B/s < 13	C _{fr6} = R ₂ C _{f6}	
Equivalent Post C _f values per Post Spacing, L					

C_{FE1} = 2.345 - Left Corner

C_{FE2} = 1.907 - 2nd Post

C_{FE3} = 1.350 - 3rd Post

Case A controls the center 1 post(s)

C_{FE1} = 2.345 - Right Corner

C_{FE2} = 1.907 - 2nd Post

C_{FE3} = 1.350 - 3rd Post

75' fence run

C _f values for solid & mostly solid fencing (ε or ε' > 0.7)					
B =	75.000	ft	Length of Straight Fence Run Being Analyzed	Maximum Post Spacing	8.000 ft
L =	7.500	ft	Even Post Spacing - 11 Posts, 7' 6" on Center	Even Post Spacings for Length, B	<input checked="" type="radio"/> Use → 7.500 ft
h =	6.000	ft	Fence Height (3' minimum - 20' maximum)		<input type="radio"/> Use → 6.818 ft
g =	0.000	ft	Gap between the ground and bottom of fencing		<input type="radio"/> Use → 6.250 ft
s =	6.000	ft	Height of Fencing Materials, s = h - g		<input type="radio"/> Use → 5.769 ft
s / h =	1.000	-	Clearance Ratio		
B / s =	12.500	-	Aspect Ratio		
R ₂ =	0.800	-	Case C Reduction Factor	R ₂ = (1.8 - s/h) ≤ 1.0	
L _{TL} =	25.000	ft	Length of Left Return Corner (0 ft if no return)	Left and right ends of fence run when looking at the front face of the fencing	
L _{TR} =	0.000	ft	Length of Right Return Corner (0 ft if no return)		
L _{TL} / s =	4.167	-	Left Return Corner Length to Fencing Height Ratio		
L _{TR} / s =	0.000	-	Right Return Corner Length to Fencing Height Ratio		
R _{3L} =	0.600	-	Left Return Corner Reduction Factor	Per ASCE 7 §29 solid wall return corner table	
R _{3R} =	1.000	-	Right Return Corner Reduction Factor		
C _{fA} =	1.300	-	Force Coefficient - Case A Use C _{fA} for line posts away from ends and corners	Per ASCE 7 §29 solid wall Case A table	
C _{fA-max} =	1.350	-	Highest C _{fA} value that controls elsewhere in fence	Put in the highest C _{fA} controlling a fence run	

Raw Case C C_f Values

C _{f0} =	3.958	-	Force Coefficient - Case C - 0 to s	Per ASCE 7 §29 solid wall Case C table Values in red are lower than the Case A C _f value
C _{f1} =	2.575	-	Force Coefficient - Case C - s to 2s	
C _{f2} =	1.975	-	Force Coefficient - Case C - 2s to 3s	
C _{f3} =	1.408	-	Force Coefficient - Case C - > 3s	
C _{f4} =	0.000	-	N/A for B/s < 13	
C _{f5} =	0.000	-	N/A for B/s < 13	
C _{f6} =	0.000	-	N/A for B/s < 13	

Reduced Case C C_f values per Case C Reduction Factor, R₂ and Return Corner Reduction Factors, R_{3L} & R_{3R}

C _{fr0L} =	1.900	-	Reduced Force Coefficient - Left Case C - 0 to s	C _{fr0L} = R ₂ R _{3L} C _{f0} Left end - 0 to s region
C _{fr0R} =	3.167	-	Reduced Force Coefficient - Right Case C - 0 to s	C _{fr0R} = R ₂ R _{3R} C _{f0} Right end - 0 to s region
C _{fr1} =	2.060	-	Reduced Force Coefficient - Case C - s to 2s	C _{fr1} = R ₂ C _{f1}
C _{fr2} =	1.580	-	Reduced Force Coefficient - Case C - 2s to 3s	C _{fr2} = R ₂ C _{f2}
C _{fr3} =	1.127	-	Reduced Force Coefficient - Case C - > 3s	C _{fr3} = R ₂ C _{f3}
C _{fr4} =	0.000	-	N/A for B/s < 13	C _{fr4} = R ₂ C _{f4}
C _{fr5} =	0.000	-	N/A for B/s < 13	C _{fr5} = R ₂ C _{f5}
C _{fr6} =	0.000	-	N/A for B/s < 13	C _{fr6} = R ₂ C _{f6}

Equivalent Post C_f values per Post Spacing, L

C _{FE1} =	1.906	-	Left Corner	C _{FE1} =	3.122	-	Right End
C _{FE2} =	1.970	-	2 nd Post	C _{FE2} =	2.376	-	2 nd Post
C _{FE3} =	1.585	-	3 rd Post	C _{FE3} =	1.585	-	3 rd Post
C _{FE4} =	1.350	-	4 th Post	C _{FE4} =	1.350	-	4 th Post

Case A controls the center 5 post(s)