

# STORMFORCE (IP) TRADITIONAL CASEMENT WINDOW ELEVATIONS

## OPERATING CASEMENT WINDOWS

Rough Opening	in.	16 1/2	20 7/16	24 3/8	28 5/16	30 1/4	32 1/4	36 3/16		
	mm	419	519	619	719	769	819	919		
Unit O.S.M.	in.	15 3/4	19 11/16	23 5/8	27 9/16	29 1/2	31 1/2	35 7/16		
	mm	400	500	600	700	750	800	900		
24 3/8 619	23 5/8 600								17 3/8 442	18 7/16 468
CA1 0406 L	CA1 0506 L	CA1 0606 L	CA1 0706 L	CA1 7506 L	CA1 0806 L	CA1 0906 L				
28 5/16 719	27 9/16 700								21 5/16 542	22 3/8 568
CA1 0407 L	CA1 0507 L	CA1 0607 L	CA1 0707 L	CA1 7507 L	CA1 0807 L	CA1 0907 L				
30 1/4 769	29 1/2 750								23 5/16 592	24 5/16 618
CA1 0475 L	CA1 0575 L	CA1 0675 L	CA1 0775 L	CA1 7575 L	CA1 0875 L	CA1 0975 L				
32 1/4 819	31 1/2 800								25 1/4 642	26 5/16 668
CA1 0408 L	CA1 0508 L	CA1 0608 L	CA1 0708 L	CA1 7508 L	CA1 0808 L	CA1 0908 L				
36 3/16 919	35 7/16 900								29 3/16 742	30 1/4 768
CA1 0409 L	CA1 0509 L	CA1 0609 L	CA1 0709 L	CA1 7509 L	CA1 0809 L	CA1 0909 L				
40 1/8 1019	39 3/8 1000								33 1/8 842	34 3/16 868
CA1 0410 L	CA1 0510 L	CA1 0610 L	CA1 0710 L	CA1 7510 L	CA1 0810 L	CA1 0910 L				
in.	9 3/4	13 11/16	17 5/8	21 9/16	23 1/2	25 1/2	29 7/16	Visible Glass		
mm	247	347	447	547	597	647	747	Glass Size		
in.	10 3/4	14 11/16	18 5/8	22 9/16	24 1/2	26 1/2	30 7/16			
mm	273	373	473	573	623	673	773			

- Note:**
- For a unit with a Mission sash subtract 3/4" (20 mm) from the vertical glass measurement.
  - Grille pattern dependent on grille type.
  - Available with Mission sash.
  - ▲ 9.3 SGP (Inboard)



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**STORMFORCE (IP) TRADITIONAL CASEMENT WINDOW ELEVATIONS**

**OPERATING CASEMENT WINDOWS**

Rough Opening	in.	16 1/2	20 7/16	24 3/8	28 5/16	30 1/4	32 1/4	36 3/16		
	mm	419	519	619	719	769	819	919		
Unit O.S.M.	in.	15 3/4	19 11/16	23 5/8	27 9/16	29 1/2	31 1/2	35 7/16		
	mm	400	500	600	700	750	800	900		
48 1219	47 1/4 1200								41 1042	42 1/16 1068
55 7/8 1419	55 1/8 1400								48 7/8 1242	49 15/16 1268
59 13/16 1519	59 1/16 1500								52 13/16 1342	53 7/8 1368
63 3/4 1619	63 1600								56 3/4 1442	57 13/16 1468
71 5/8 1819	70 7/8 1800								64 5/8 1642	65 11/16 1668
in.		9 3/4	13 11/16	17 5/8	21 9/16	23 1/2	25 1/2	29 7/16	Visible Glass	
mm		247	347	447	547	597	647	747		
in.		10 3/4	14 11/16	18 5/8	22 9/16	24 1/2	26 1/2	30 7/16	Glass Size	
mm		273	373	473	573	623	673	773		

- Note:**
- For a unit with a Mission sash subtract 3/4" (20 mm) from the vertical glass measurement.
  - Grille pattern dependent on grille type.
  - Available with Mission sash.
  - ▲ 9.3 SGP (Inboard)

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# STORMFORCE (IP) TRADITIONAL CASEMENT WINDOW ELEVATIONS

## FIXED CASEMENT WINDOWS

Rough Opening	in.	16 1/2	20 7/16	24 3/8	28 5/16	30 1/4	32 1/4	36 3/16		
	mm	419	519	619	719	769	819	919		
Unit O.S.M.	in.	15 3/4	19 11/16	23 5/8	27 9/16	29 1/2	31 1/2	35 7/16		
	mm	400	500	600	700	750	800	900		
16 1/2 419	15 3/4 400	CA1 0404 ▲■●	CA1 0504 ▲■●	CA1 0604 ▲■●	CA1 0704 ▲■●	CA1 7504 ▲■●	CA1 0804 ▲■●	CA1 0904 ▲■●	9 1/2 242	10 9/16 268
20 7/16 519	19 11/16 500	CA1 0405 ▲■●	CA1 0505 ▲■●	CA1 0605 ▲■●	CA1 0705 ▲■●	CA1 7505 ▲■●	CA1 0805 ▲■●	CA1 0905 ▲■●	13 7/16 342	14 1/2 368
24 3/8 619	23 5/8 600	CA1 0406 ▲■●	CA1 0506 ▲■●	CA1 0606 ▲■●	CA1 0706 ▲■●	CA1 7506 ▲■●	CA1 0806 ▲■●	CA1 0906 ▲■●	17 3/8 442	18 7/16 468
28 5/16 719	27 9/16 700	CA1 0407 ▲■●	CA1 0507 ▲■●	CA1 0607 ▲■●	CA1 0707 ▲■●	CA1 7507 ▲■●	CA1 0807 ▲■●	CA1 0907 ▲■●	21 5/16 542	22 3/8 568
30 1/4 769	29 1/2 750	CA1 0475 ▲■●	CA1 0575 ▲■●	CA1 0675 ▲■●	CA1 0775 ▲■●	CA1 7575 ▲■●	CA1 0875 ▲■●	CA1 0975 ▲■●	23 5/16 592	24 5/16 618
32 1/4 819	31 1/2 800	CA1 0408 ▲■●	CA1 0508 ▲■●	CA1 0608 ▲■●	CA1 0708 ▲■●	CA1 7508 ▲■●	CA1 0808 ▲■●	CA1 0908 ▲■●	25 1/4 642	26 5/16 668
36 3/16 919	35 7/16 900	CA1 0409 ▲■●	CA1 0509 ▲■●	CA1 0609 ▲■●	CA1 0709 ▲■●	CA1 7509 ▲■●	CA1 0809 ▲■●	CA1 0909 ▲■●	29 3/16 742	30 1/4 768
		in. 9 3/4	13 11/16	17 5/8	21 9/16	23 1/2	25 1/2	29 7/16		Visible Glass
		mm 247	347	447	547	597	647	747		
		in. 10 3/4	14 11/16	18 5/8	22 9/16	24 1/2	26 1/2	30 7/16		Glass Size
		mm 273	373	473	573	623	673	773		

**Note:** • For a unit with a Mission sash subtract 3/4" (20 mm) from the vertical glass measurement.

- Grille pattern dependent on grille type.
- Available with Mission sash.

- ▲ 9.3 SGP (Inboard)
- 12.8 SGP Annealed (Inboard)
- 12.8 SGP Heat strengthened (Inboard)



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**STORMFORCE (IP) TRADITIONAL CASEMENT WINDOW ELEVATIONS**

**FIXED CASEMENT WINDOWS**

Rough Opening	in.	16 1/2	20 7/16	24 3/8	28 5/16	30 1/4	32 1/4	36 3/16		
		mm	419	519	619	719	769	819	919	
Unit O.S.M.	in.	15 3/4	19 11/16	23 5/8	27 9/16	29 1/2	31 1/2	35 7/16		
		mm	400	500	600	700	750	800	900	
40 1/8 1019	39 3/8 1000								33 1/8 842	34 3/16 868
CA1 0410 ▲■●	CA1 0510 ▲■●	CA1 0610 ▲■●	CA1 0710 ▲■●	CA1 7510 ▲■●	CA1 0810 ▲■●	CA1 0910 ▲■●				
48 1219	47 1/4 1200								41 1042	42 1/16 1068
CA1 0412 ▲■●	CA1 0512 ▲■●	CA1 0612 ▲■●	CA1 0712 ▲■●	CA1 7512 ▲■●	CA1 0812 ▲■●	CA1 0912 ▲■●				
55 7/8 1419	55 1/8 1400								48 7/8 1242	49 15/16 1268
CA1 0414 ▲■●	CA1 0514 ▲■●	CA1 0614 ▲■●	CA1 0714 ▲■●	CA1 7514 ▲■●	CA1 0814 ▲■●	CA1 0914 ▲■●				
59 13/16 1519	59 1/16 1500								52 13/16 1342	53 7/8 1368
CA1 0415 ▲■●	CA1 0515 ▲■●	CA1 0615 ▲■●	CA1 0715 ■●	CA1 7515 ▲■●	CA1 0815 ▲■●	CA1 0915 ■●				
63 3/4 1619	63 1600								56 3/4 1442	57 13/16 1468
CA1 0416 ▲■●	CA1 0516 ▲■●	CA1 0616 ▲■●	CA1 0716 ▲■●	CA1 7516 ▲■●	CA1 0816 ▲■●	CA1 0916 ■●				
in.		9 3/4	13 11/16	17 5/8	21 9/16	23 1/2	25 1/2	29 7/16	Visible Glass	
mm		247	347	447	547	597	647	747		
in.		10 3/4	14 11/16	18 5/8	22 9/16	24 1/2	26 1/2	30 7/16	Glass Size	
mm		273	373	473	573	623	673	773		

- Note:**
- For a unit with a Mission sash subtract 3/4" (20 mm) from the vertical glass measurement.
  - Grille pattern dependent on grille type.
  - Available with Mission sash.
- ▲ 9.3 SGP (Inboard)  
 ■ 12.8 SGP Annealed (Inboard)  
 ● 12.8 SGP Heat strengthened (Inboard)

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# STORMFORCE (IP) TRADITIONAL CASEMENT WINDOW ELEVATIONS

## FIXED CASEMENT WINDOWS

Rough Opening	in.	40 1/8	48	55 7/8	59 13/16	63 3/4	
	mm	1019	1219	1419	1519	1619	
Unit	in.	39 3/8	47 1/4	55 1/8	59 1/16	63	
O.S.M.	mm	1000	1200	1400	1500	1600	
16 1/2	419						9 1/2 242
	15 3/4						10 9/16 268
20 7/16	519						13 7/16 342
	19 11/16						14 1/2 368
24 3/8	619						17 3/8 442
	23 5/8						18 7/16 468
28 5/16	719						21 5/16 542
	27 9/16						22 3/8 568
30 1/4	769						23 5/16 592
	29 1/2						24 5/16 618
32 1/4	819						25 1/4 642
	31 1/2						26 5/16 668
36 3/16	919						29 3/16 742
	35 7/16						30 1/4 768
		in. 33 3/8	41 1/4	49 1/8	53 1/16	56 15/16	Visible Glass
		mm 847	1047	1247	1347	1447	
		in. 34 3/8	42 1/4	50 1/8	54 1/16	58	Glass Size
		mm 873	1073	1273	1373	1473	

**Note:** • For a unit with a Mission sash subtract 3/4" (20 mm) from the vertical glass measurement.

- Grille pattern dependent on grille type.
- Available with Mission sash.

- ▲ 9.3 SGP (Inboard)
- 12.8 SGP Annealed (Inboard)
- 12.8 SGP Heat strengthened (Inboard)



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STORMFORCE (IP) TRADITIONAL CASEMENT WINDOW ELEVATIONS

FIXED CASEMENT WINDOWS

Rough Opening	in.		mm		Unit O.S.M.		in.		mm	
40 1/8 1019	39 3/8 1000	48 1219	55 7/8 1419	59 13/16 1519	63 3/4 1619	33 1/8 842	34 3/16 868	33 1/8 842	34 3/16 868	
48 1219	47 1/4 1200	48 1219	55 7/8 1419	59 13/16 1519	63 3/4 1619	41 1042	42 1/16 1068	41 1042	42 1/16 1068	
55 7/8 1419	55 1/8 1400	55 7/8 1419	55 7/8 1419	59 13/16 1519	63 3/4 1619	48 7/8 1242	49 15/16 1268	48 7/8 1242	49 15/16 1268	
59 13/16 1519	59 1/16 1500	59 13/16 1519	59 13/16 1519	59 13/16 1519	63 3/4 1619	52 13/16 1342	53 7/8 1368	52 13/16 1342	53 7/8 1368	
63 3/4 1619	63 1600	63 3/4 1619	63 3/4 1619	63 3/4 1619	63 3/4 1619	56 3/4 1442	57 13/16 1468	56 3/4 1442	57 13/16 1468	
		in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	Visible Glass Glass Size
		33 3/8 847	41 1/4 1047	49 1/8 1247	53 1/16 1347	56 15/16 1447	53 1/8 1368	53 1/8 1368	53 1/8 1368	
		34 3/8 873	42 1/4 1073	50 1/8 1273	54 1/16 1373	58 1473	54 1/8 1373	54 1/8 1373	54 1/8 1373	

- Note:**
- For a unit with a Mission sash subtract 3/4" (20 mm) from the vertical glass measurement.
  - Grille pattern dependent on grille type.
  - Available with Mission sash.
- ▲ 9.3 SGP (Inboard)  
■ 12.8 SGP Annealed (Inboard)  
● 12.8 SGP Heat strengthened (Inboard)

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# STORMFORCE (IP) TRADITIONAL CASEMENT WINDOW ELEVATIONS

## FIXED CASEMENT WINDOWS

Rough Opening	in.	71 5/8	79 1/2	95 1/4		
	mm	1819	2019	2419		
Unit O.S.M.	in.	70 7/8	78 3/4	94 1/2		
	mm	1800	2000	2400		
16 1/2	419	CA1 1804	CA1 2004	CA1 2404	9 1/2	242
15 3/4	400					
20 7/16	519	CA1 1805	CA1 2005	CA1 2405	13 7/16	342
19 11/16	500					
24 3/8	619	CA1 1806	CA1 2006	CA1 2406	17 3/8	442
23 5/8	600					
28 5/16	719	CA1 1807	CA1 2007	CA1 2407	21 5/16	542
27 9/16	700					
30 1/4	769	CA1 1875	CA1 2075	CA1 2475	23 5/16	592
29 1/2	750					
32 1/4	819	CA1 1808	CA1 2008	CA1 2408	25 1/4	642
31 1/2	800					
36 3/16	919	CA1 1809	CA1 2009	CA1 2409	29 3/16	742
35 7/16	900					
		in. 64 13/16	72 11/16	88 7/16	Visible Glass	
		mm 1647	1847	2247		
		in. 65 7/8	73 3/4	89 1/2	Glass Size	
		mm 1673	1873	2273		

**Note:** • For a unit with a Mission sash subtract 3/4" (20 mm) from the vertical glass measurement.

- Grille pattern dependent on grille type.
- Available with Mission sash.

- ▲ 9.3 SGP (Inboard)
- 12.8 SGP Annealed (Inboard)
- 12.8 SGP Heat strengthened (Inboard)



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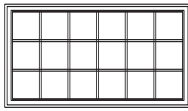
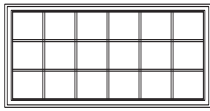
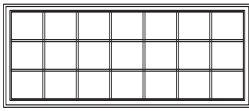
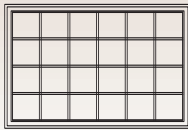
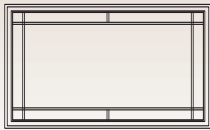

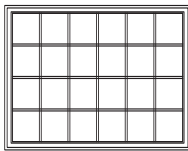
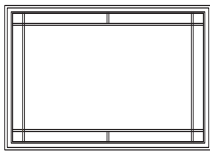

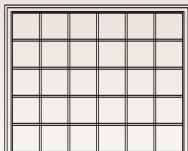
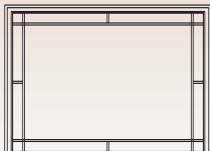
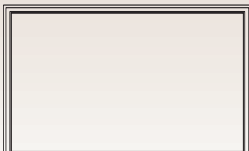
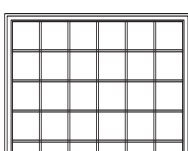
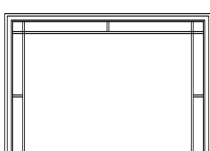

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**STORMFORCE (IP) TRADITIONAL CASEMENT WINDOW ELEVATIONS**

**FIXED CASEMENT WINDOWS**

Rough Opening	in.	71 5/8	79 1/2	95 1/4	
	mm	1819	2019	2419	
Unit O.S.M.	in.	70 7/8	78 3/4	94 1/2	
	mm	1800	2000	2400	
40 1/8 1019	39 3/8 1000	 CA1 1810 ■ ●	 CA1 2010 ■ ●	 CA1 2410 ■ ●	33 1/8 842 34 3/16 868
48 1219	47 1/4 1200	 CA1 1812 ■ ●	 CA1 2012 ●	 CA1 2412 ●	41 1042 42 1/16 1068
55 7/8 1419	55 1/8 1400	 CA1 1814 ●	 CA1 2014 ●	 CA1 2414 ●	48 7/8 1242 49 15/16 1268
59 13/16 1519	59 1/16 1500	 CA1 1815 ●	 CA1 2015 ●	 CA1 2415 ●	52 13/16 1342 53 7/8 1368
63 3/4 1619	63 1600	 CA1 1816 ●	 CA1 2016 ●	 CA1 2416 ●	56 3/4 1442 57 13/16 1468
		in. 64 13/16 mm 1647	in. 72 11/16 mm 1847	in. 88 7/16 mm 2247	Visible Glass
		in. 65 7/8 mm 1673	in. 73 3/4 mm 1873	in. 89 1/2 mm 2273	Glass Size

- Note:**
- For a unit with a Mission sash subtract 3/4" (20 mm) from the vertical glass measurement.
  - Grille pattern dependent on grille type.
  - Available with Mission sash.
  - 12.8 SGP Annealed (Inboard)
  - 12.8 SGP Heat strengthened (Inboard)

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