**Pinnacle Series**

**CASEMENT - 14" WIDE**

ELEVATIONS: OPERATING / STATIONARY / PICTURE

**SCALE: 1/8" = 1'-0"**

<table>
<thead>
<tr>
<th>Scale</th>
<th>Example 1</th>
<th>Example 2</th>
<th>Example 3</th>
<th>Example 4</th>
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**NOTES:**

- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

**OPERATION**

- LEFT
- RIGHT

**OTHER GRILLE PATTERNS**

- PRAIRIE
- DIAMOND
- SINGLE PLAZA
- DOUBLE PLAZA
- TRIPLE PLAZA

**CLAD UNIT SIZE INFORMATION**

- FOR CLAD WM 180 BRICKMOULD
  - ADD 1 3/4" TO FRAME WIDTH
  - ADD 1 3/4" TO FRAME HEIGHT*

- FOR CLAD WM 180 SOLID BACK BRICKMOULD
  - ADD 2 1/16" TO FRAME WIDTH
  - ADD 1 3/4" TO FRAME HEIGHT*

- FOR CLAD 3 1/2 FLAT
  - ADD 5 7/8" TO FRAME WIDTH
  - ADD 3 5/16" TO FRAME HEIGHT*

- FOR CLAD WILLIAMSBURG
  - ADD 6 1/2" TO FRAME WIDTH
  - ADD 3 5/8" TO FRAME HEIGHT*

* ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SILL
ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SILL

**FOR PRIMED WM-180**

- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

- FOR PRIMED 3 1/2" FLAT CASING
  - ADD 5 13/16" TO FRAME WIDTH
  - ADD 3 15/16" TO FRAME HEIGHT*

- FOR PRIMED 4 1/2" BACKBAND
  - ADD 7 13/16" TO FRAME WIDTH
  - ADD 4 15/16" TO FRAME HEIGHT*

- FOR PRIMED 5 1/2" FLAT CASING
  - ADD 9 13/16" TO FRAME WIDTH
  - ADD 5 15/16" TO FRAME HEIGHT*

- FOR PRIMED WILLIAMSBURG
  - ADD 5 3/4" TO FRAME WIDTH
  - ADD 3 11/16" TO FRAME HEIGHT*

- FOR PRIMED PLANTATION
  - ADD 5 13/16" TO FRAME WIDTH
  - ADD 5 15/16" TO FRAME HEIGHT*

* ADD ADDITIONAL 1" FOR BULLNOSE SILL

**Clark-Mason Products**

6/5/19
# Pinnacle Series

## CASEMENT - 14" WIDE

### ELEVATIONS: OPERATING / STATIONARY / PICTURE

**SCALE: 1/8" = 1'-0"**

<table>
<thead>
<tr>
<th>Frame Size</th>
<th>Rough Opg. Clad</th>
<th>Masonry Opg. Clad</th>
<th>Glass</th>
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<td>6-6 3/4</td>
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<tr>
<td>6-8 15/16</td>
<td>6-8 15/16</td>
<td>6-8 15/16</td>
<td>6-8</td>
</tr>
</tbody>
</table>

### OPERATIONS

**LEFT**

**RIGHT**

**OPERATOR**

**STATIONARY**

### OTHER GRILLE PATTERNS

- Prairie
- Diamond
- 2" Simulated Check Rail
- Single Plaza
- Double Plaza
- Triple Plaza

### CLAD UNIT SIZE INFORMATION

**FOR CLAD WM 180 BRICKMOULD**
- Add 2 13/16" to frame width
- Add 1 3/4" to frame height*

**FOR CLAD WM 180 SOLID BACK BRICKMOULD**
- Add 2 13/16" to frame width
- Add 1 3/4" to frame height*

**FOR CLAD 3 1/2 FLAT**
- Add 5 7/8" to frame width
- Add 3 5/16" to frame height*

**FOR CLAD WILLIAMSBURG**
- Add 6 1/2" to frame width
- Add 3 5/8" to frame height*

* Add additional 7/8" for 1 1/4" clad subsill
Add additional 1 7/8" for 2 1/4" clad subsill

**FOR PRIMED WM-180**
- Add 2 13/16" to frame width
- Add 2 13/32" to frame height*

**FOR PRIMED 3 1/2 FLAT CASING**
- Add 5 13/16" to frame width
- Add 3 15/16" to frame height*

**FOR PRIMED 4 1/2 BACKBAND**
- Add 7 13/16" to frame width
- Add 4 15/16" to frame height*

**FOR PRIMED 5 1/2 FLAT CASING**
- Add 9 13/16" to frame width
- Add 5 15/16" to frame height*

**FOR PRIMED WILLIAMSBURG**
- Add 5 3/8" to frame width
- Add 3 11/16" to frame height*

**FOR PRIMED PLANTATION**
- Add 5 13/16" to frame width
- Add 5 15/16" to frame height*

* Add additional 1" for bullnose sill

### NOTES:

- 80 heights available in clad only
- Clad Masonry openings are for standard frame with no casing
- Primed Masonry openings are for standard 180 brickmould

**ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING**

6/5/19
### Pinnacle Series

#### CASEMENT - 16" WIDE

**ELEVATIONS:** OPERATING / STATIONARY / PICTURE

**SCALE:** 1/8" = 1'-0"

<table>
<thead>
<tr>
<th></th>
<th>1-1 1/16</th>
<th>1-3 3/16</th>
<th>1-5 3/16</th>
<th>1-7 3/16</th>
<th>1-9 3/16</th>
<th>1-11 3/16</th>
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<tr>
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| Glass      | 56 | 56 | 56 | 56 | 56 | 56 |

**OPERATION**

- **LEFT**
- **RIGHT**

**OTHER GRILLE PATTERNS**

- PRAIRIE
- DIAMOND
- 2" SIMULATED CHECK RAIL
- SINGLE PLAZA
- DOUBLE PLAZA
- TRIPLE PLAZA

**CLAD UNIT SIZE INFORMATION**

**FOR CLAD WM 180 BRICKMOULD**
- ADD 1 3/4" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR CLAD WM 180 SOLID BACK BRICKMOULD**
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR CLAD 2 1/2 FLAT**
- ADD 5 7/8" TO FRAME WIDTH
- ADD 3 5/16" TO FRAME HEIGHT*

**FOR CLAD WILLIAMSBURG**
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*

**FOR PRIMED WM-180**
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

**FOR PRIMED 3 1/2 FLAT CASING**
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT*

**FOR PRIMED 4 1/2 BACKBAND**
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT*

**FOR PRIMED 5 1/2 FLAT CASING**
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

**FOR PRIMED WILLIAMSBURG**
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*

**FOR PRIMED PLANTATION**
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

*ADD ADDITIONAL 1" FOR BULLNOSE SILL

**NOTE:**

ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING

---

**NOTES:**

CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

---

6/5/19
Pinnacle Series

CASEMENT - 16" WIDE

ELEVATIONS: OPERATING / STATIONARY / PICTURE
SCALE: 1/8" = 1'-0"

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OPERATION
LEFT
RIGHT
OPERATOR
STATIONARY

OTHER GRILLE PATTERNS
PRAIRIE
DIAMOND
2" SIMULATED CHECK RAIL
SINGLE PLAZA
DOUBLE PLAZA
TRIPLE PLAZA

CLAD UNIT SIZE INFORMATION

FOR CLAD WM 180 BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD WM 180 SOLID BACK BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD 3 1/2 FLAT
- ADD 5 7/8" TO FRAME WIDTH
- ADD 3 5/16" TO FRAME HEIGHT*
- ADD 3 5/16" TO FRAME HEIGHT*

FOR CLAD WILLIAMSBURG
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*
- ADD 3 5/8" TO FRAME HEIGHT*

* ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

FOR PRIMED WM-180
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

FOR PRIMED 3 1/2" FLAT CASING
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT*

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 3/8" TO FRAME WIDTH
- ADD 3 11/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

* ADD ADDITIONAL 1" FOR BULLNOSE SILL

NOTES:
80 HEIGHTS AVAILABLE IN CLAD ONLY
CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

NOTE:
ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING

6/5/19
Pinnacle Series
CASEMENT - 20" WIDE
ELEVATIONS: OPERATING / STATIONARY / PICTURE
SCALE: 1/8" = 1'-0"

OPERATION
LEFT
RIGHT
OPERATOR
STATIONARY

OTHER GRILLE PATTERNS
PRAIRIE
DIAMOND
2" SIMULATED CHECK RAIL
SINGLE PLAZA
DOUBLE PLAZA
TRIPLE PLAZA

CLAD UNIT SIZE INFORMATION
FOR CLAD WM 180 BRICKMOULD
- ADD 1 3/4" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD WM 180 SOLID BACK BRICKMOULD
- ADD 2 15/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD 3 1/2 FLAT
- ADD 5 7/8" TO FRAME WIDTH
- ADD 3 5/16" TO FRAME HEIGHT*

FOR CLAD WILLIAMSBURG
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*
- ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
- ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

FOR PRIMED WM-180
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

FOR PRIMED 3 1/2" FLAT CASING
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT*

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 3/8" TO FRAME WIDTH
- ADD 3 11/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*
- ADD ADDITIONAL 1" FOR BULLNOSE SILL

NOTES:
CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

NOTE:
ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING

6/5/19
Pinnacle Series
CASEMENT - 20" WIDE

ELEVATIONS: OPERATING / STATIONARY / PICTURE
SCALE: 1/8" = 1'-0"

OPERATION
LEFT
RIGHT

OPERATOR
STATIONARY

OTHER GRILLE PATTERNS
PRAIRIE
DIAMOND
2" SIMULATED CHECK RAIL
SINGLE PLAZA
DOUBLE PLAZA
TRIPLE PLAZA

CLAD UNIT SIZE INFORMATION

FOR CLAD WM 180 BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD WM 180 SOLID BACK BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD 3 1/2 FLAT
- ADD 5 7/8" TO FRAME WIDTH
- ADD 3 5/16" TO FRAME HEIGHT*

FOR CLAD WILLIAMSBURG
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*

* ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

FOR PRIMED WM-180
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

FOR PRIMED 3 1/2 FLAT CASING
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT*

FOR PRIMED 4 1/2 BACKBAND
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2 FLAT CASING
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 3/8" TO FRAME WIDTH
- ADD 3 11/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

* ADD ADDITIONAL 1" FOR BULLNOSE SILL
NOTE:
ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING

NOTES:
80 HEIGHTS AVAILABLE IN CLAD ONLY
CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

6/5/19
# Pinnacle Series

## CASEMENT - 24" WIDE

**ELEVATIONS : OPERATING / STATIONARY / PICTURE**

**SCALE: 1/8" = 1'-0"**

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<tr>
<th>Frame</th>
<th>Rough Opg. Clad</th>
<th>Rough Opg. Primed</th>
<th>Frame</th>
<th>Glass</th>
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</table>

**OPERATION**

- LEFT
- RIGHT

**OTHER GRILLE PATTERNS**

- PRAIRIE
- DIAMOND
- 2" SIMULATED CHECK RAIL
- SINGLE PLAZA
- DOUBLE PLAZA
- TRIPLE PLAZA

**CLAD UNIT SIZE INFORMATION**

**FOR CLAD WM 180 BRICKMOULD**
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR CLAD WM 180 SOLID BACK BRICKMOULD**
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR CLAD 3 1/2 FLAT**
- ADD 5 7/8" TO FRAME WIDTH
- ADD 3 5/16" TO FRAME HEIGHT*

**FOR CLAD WILLIAMSBURG**
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*

*ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

**NOTES:**

- * REQUIRES EGRESS HARDWARE TO MEET EGRESS REQUIREMENTS
- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES

**FOR PRIMED WM-180**
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

**FOR PRIMED 3 1/2 FLAT CASING**
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT*

**FOR PRIMED 4 1/2" BACKBAND**
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT*

**FOR PRIMED 5 1/2" FLAT CASING**
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

**FOR PRIMED WILLIAMSBURG**
- ADD 5 3/8" TO FRAME WIDTH
- ADD 3 11/16" TO FRAME HEIGHT*

**FOR PRIMED PLANTATION**
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

*ADD ADDITIONAL 1" FOR BULLNOSE SILL

**NOTE:**

ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING
# Pinnacle Series

## CASEMENT - 24" WIDE

**ELEVATIONS**: OPERATING / STATIONARY / PICTURE

Scale: 1/8" = 1'-0"

### OPERATION

<table>
<thead>
<tr>
<th></th>
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<tr>
<td>STATIONARY</td>
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### OTHER GRILLE PATTERNS

- **PRAIRIE**
- **DIAMOND**
- **2" SIMULATED CHECK RAIL**
- **SINGLE PLAZA**
- **DOUBLE PLAZA**
- **TRIPLE PLAZA**

### Clad Unit Size Information

**For Clad WM 180 Brickmould**
- Add 2 13/16" to Frame Width
- Add 1 3/4" to Frame Height*

**For Clad WM 180 Solid Back Brickmould**
- Add 2 13/16" to Frame Width
- Add 1 3/4" to Frame Height*

**For Clad 3 1/2 Flat**
- Add 5 7/8" to Frame Width
- Add 3 5/16" to Frame Height*

**For Clad Williamsburg**
- Add 6 1/2" to Frame Width
- Add 3 5/8" to Frame Height*

* Add additional 7/8" for 1 1/4" clad subsill
Add additional 1 7/8" for 2 1/4" clad subsill

**For Primed WM-180**
- Add 2 13/16" to Frame Width
- Add 2 13/32" to Frame Height*

**For Primed 3 1/2 Flat Casing**
- Add 5 13/16" to Frame Width
- Add 3 15/16" to Frame Height*

**For Primed 4 1/2 Backband**
- Add 7 13/16" to Frame Width
- Add 4 15/16" to Frame Height*

**For Primed 5 1/2 Flat Casing**
- Add 9 13/16" to Frame Width
- Add 5 15/16" to Frame Height*

**For Primed Williamsburg**
- Add 5 3/8" to Frame Width
- Add 3 11/16" to Frame Height*

**For Primed Plantation**
- Add 5 13/16" to Frame Width
- Add 5 15/16" to Frame Height*

* Add additional 1" for bullnose sill

### Notes:

- * Requires egress hardware to meet egress requirements
- 80 heights available in clad only
- Clad masonry openings are for standard frame with no casing
- Primed masonry openings are for standard 180 brickmould
- Shaded sizes meet most egress requirements. Verify local codes

---

6/5/19
## Pinnacle Series
**CASEMENT - 26" WIDE**

**ELEVATIONS:** OPERATING / STATIONARY / PICTURE

**SCALE:** 1/8" = 1'-0"

<table>
<thead>
<tr>
<th>Frame</th>
<th>Rough Opg. Clad</th>
<th>Rough Opg. Primed</th>
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<th>Primed Masonry Opening</th>
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**CLAD UNIT SIZE INFORMATION**

**FOR CLAD WM 180 BRICKMOULD**
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT

**FOR CLAD WM 180 SOLID BACK BRICKMOULD**
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT

**FOR CLAD 3 1/2 FLAT**
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT

**FOR CLAD WILLIAMSBURG**
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT

*ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

**NOTES:**
- * REQUIRES EGRESS HARDWARE TO MEET EGRESS REQUIREMENTS
- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES

**OPERATION**

- LEFT
- RIGHT

**OPERATOR**

- STATIONARY

**OTHER GRILLE PATTERNS**

- PRARIE
- DIAMOND
- 2" SIMULATED CHECK RAIL

**SINGLE PLAZA**
- DOUBLE PLAZA
- TRIPLE PLAZA

**FOR PRIMED WM-180**
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT

**FOR PRIMED 3 1/2" FLAT CASING**
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT

**FOR PRIMED 4 1/2" BACKBAND**
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT

**FOR PRIMED 5 1/2" FLAT CASING**
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT

**FOR PRIMED WILLIAMSBURG**
- ADD 5 3/8" TO FRAME WIDTH
- ADD 5 13/16" TO FRAME HEIGHT

**FOR PRIMED PLANTATION**
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT

*ADD ADDITIONAL 1" FOR BULLNOSE SILL

**NOTE:**
- ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING
Pinnacle Series
CASEMENT - 26" WIDE

ELEVATIONS: OPERATING / STATIONARY / PICTURE
SCALE: 1/8" = 1'-0"

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<td>Stationary</td>
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OTHER GRILLE PATTERNS
- PRARIE
- DIAMOND
- 2" SIMULATED CHECK RAIL
- SINGLE PLAZA
- DOUBLE PLAZA
- TRIPLE PLAZA

CLAD UNIT SIZE INFORMATION
- FOR CLAD WM 180 BRICKMOULD
  - ADD 2 13/16" TO FRAME WIDTH
  - ADD 1 3/4" TO FRAME HEIGHT
- FOR CLAD WM 180 SOLID BACK BRICKMOULD
  - ADD 2 13/16" TO FRAME WIDTH
  - ADD 1 3/4" TO FRAME HEIGHT
- FOR CLAD 3 1/2 FLAT
  - ADD 5 7/8" TO FRAME WIDTH
  - ADD 3 5/16" TO FRAME HEIGHT
- FOR CLAD WILLIAMSBURG
  - ADD 6 1/2" TO FRAME WIDTH
  - ADD 3 5/8" TO FRAME HEIGHT
- FOR PRIMED WM-180
  - ADD 2 13/16" TO FRAME WIDTH
  - ADD 2 13/32" TO FRAME HEIGHT
- FOR PRIMED 3 1/2" FLAT CASING
  - ADD 5 13/16" TO FRAME WIDTH
  - ADD 3 15/16" TO FRAME HEIGHT
- FOR PRIMED 4 1/2" BACKBAND
  - ADD 7 13/16" TO FRAME WIDTH
  - ADD 4 15/16" TO FRAME HEIGHT
- FOR PRIMED 5 1/2" FLAT CASING
  - ADD 9 13/16" TO FRAME WIDTH
  - ADD 5 15/16" TO FRAME HEIGHT
- FOR PRIMED WILLIAMSBURG
  - ADD 5 3/8" TO FRAME WIDTH
  - ADD 3 11/16" TO FRAME HEIGHT
- FOR PRIMED PLANTATION
  - ADD 5 13/16" TO FRAME WIDTH
  - ADD 5 15/16" TO FRAME HEIGHT

* ADD ADDITIONAL 1" FOR BULLNOSE SILL

NOTES:
* REQUIRES EGRESS HARDWARE TO MEET EGRESS REQUIREMENTS
CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD
SHADOWED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES

ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING
Pinnacle Series

CASEMENT - 28" WIDE

ELEVATIONS: OPERATING / STATIONARY / PICTURE
SCALE: 1/8" = 1'-0"

OPERATION
LEFT
RIGHT
OPERATOR
STATIONARY

OTHER GRILLE PATTERNS
PRAIRIE
DIAMOND
2" SIMULATED CHECK RAIL
SINGLE PLAZA
DOUBLE PLAZA
TRIPLE PLAZA

CLAD UNIT SIZE INFORMATION
FOR CLAD WM 180 BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD WM 180 SOLID BACK BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD 3 1/2 FLAT
- ADD 5 7/8" TO FRAME WIDTH
- ADD 3 5/16" TO FRAME HEIGHT*

FOR CLAD WILLIAMSBURG
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*

* ADD ADDITIONAL 1" FOR BULLNOSE SILL
ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

FOR PRIMED WM-180
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 3/32" TO FRAME HEIGHT*

FOR PRIMED 3 1/2" FLAT CASING
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT*

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 3/8" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

* ADD ADDITIONAL 1" FOR BULLNOSE SILL

NOTE:
ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT
TO CALCULATE MASONRY OPENING

6/5/19

NOTES:
* REQUIRES EGRESS HARDWARE TO MEET EGRESS REQUIREMENTS
CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD
SHARED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES
Pinnacle Series
CASEMENT - 28" WIDE

ELEVATIONS : OPERATING / STATIONARY / PICTURE
SCALE: 1/8" = 1'-0"

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OPERATION
LEFT
RIGHT

OPERATOR
STATIONARY

OTHER GRILLE PATTERNS

SCALE: 1/8" = 1'-0"

CLAD UNIT SIZE INFORMATION

FOR CLAD WM 180 BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD WM 180 SOLID BACK BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD 3 1/2 FLAT
- ADD 5 7/8" TO FRAME WIDTH
- ADD 3 5/16" TO FRAME HEIGHT*

FOR CLAD WILLIAMSBURG
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*

* ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
ADD ADDITIONAL 1 1/8" FOR 2 1/4" CLAD SUBSILL

OTHER GRILLE PATTERNS

CLAD UNIT SIZE INFORMATION

FOR PRIMED WM-180
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

FOR PRIMED 3 1/2" FLAT CASING
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT*

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 3/8" TO FRAME WIDTH
- ADD 3 11/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

* ADD ADDITIONAL 1" FOR BULLNOSE SILL

NOTE:
ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING

NOTES:
- * REQUIRES EGRESS HARDWARE TO MEET EGRESS REQUIREMENTS
- 80 HEIGHT AVAILABLE IN CLAD ONLY
- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES

6/5/19
# Pinnacle Series
## CASEMENT - 32" WIDE

### ELEVATIONS: OPERATING / STATIONARY / PICTURE

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<tr>
<td>Clad</td>
<td></td>
</tr>
<tr>
<td>Primed</td>
<td></td>
</tr>
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</table>

### OPERATION

- LEFT
- RIGHT

### OTHER GRILLE PATTERNS

- PRARIE
- DIAMOND
- 2" SIMULATED CHECK RAIL
- SINGLE PLAZA
- DOUBLE PLAZA
- TRIPLE PLAZA

### CLAD UNIT SIZE INFORMATION

- **FOR CLAD WM 180 BRICKMOULD**
  - ADD 2 13/16" TO FRAME WIDTH
  - ADD 1 3/4" TO FRAME HEIGHT*
- **FOR CLAD WM 180 SOLID BACK BRICKMOULD**
  - ADD 2 13/16" TO FRAME WIDTH
  - ADD 1 3/4" TO FRAME HEIGHT*
- **FOR CLAD 3 1/2 FLAT**
  - ADD 5 7/8" TO FRAME WIDTH
  - ADD 3 5/16" TO FRAME HEIGHT*
- **FOR CLAD WILLIAMSBURG**
  - ADD 6 1/2" TO FRAME WIDTH
  - ADD 3 5/8" TO FRAME HEIGHT*
  - ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
  - ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

- **FOR PRIMED WM-180**
  - ADD 2 13/16" TO FRAME WIDTH
  - ADD 2 13/32" TO FRAME HEIGHT*
- **FOR PRIMED 3 1/2 FLAT CASING**
  - ADD 5 15/16" TO FRAME WIDTH
  - ADD 3 5/16" TO FRAME HEIGHT*
- **FOR PRIMED 4 1/2" BACKBAND**
  - ADD 7 13/16" TO FRAME WIDTH
  - ADD 4 15/16" TO FRAME HEIGHT*
- **FOR PRIMED 5 1/2" FLAT CASING**
  - ADD 9 13/16" TO FRAME WIDTH
  - ADD 5 15/16" TO FRAME HEIGHT*
- **FOR PRIMED WILLIAMSBURG**
  - ADD 5 3/8" TO FRAME WIDTH
  - ADD 3 11/16" TO FRAME HEIGHT*
- **FOR PRIMED PLANTATION**
  - ADD 5 13/16" TO FRAME WIDTH
  - ADD 5 15/16" TO FRAME HEIGHT*
  - ADD ADDITIONAL 1" FOR BULLNOSE SILL

---

**NOTES:**

- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES

---

6/5/19
### Pinnacle Series

**CASEMENT - 32" WIDE**

**ELEVATIONS**: OPERATING / STATIONARY / PICTURE  
**SCALE**: $1/8" = 1'-0"$

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<td>6-0 3/4</td>
<td>6-0 3/4</td>
<td>6-0</td>
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<td>6-1 1/4</td>
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</table>

**OPERATION**

- LEFT: OPERATOR
- RIGHT: STATIONARY

**SCALE**: $1/8" = 1'-0"$

**OPERATION**

- LEFT
- RIGHT

**NOTES:**

- 80 HEIGHTS AVAILABLE IN CLAD ONLY
- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES

**OTHER GRILLE PATTERNS**

- PRAIRIE
- DIAMOND
- 2" SIMULATED CHECK RAIL
- SINGLE PLAZA
- DOUBLE PLAZA
- TRIPLE PLAZA

**CLAD UNIT SIZE INFORMATION**

**FOR PRIMED WM-180**

- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR PRIMED WM-180 SOLID BACK BRICKMOULD**

- ADD 2 13/16" TO FRAME WIDTH
- ADD 3 5/16" TO FRAME HEIGHT*

**FOR CLAD WM 180 BRICKMOULD**

- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR CLAD WM 180 SOLID BACK BRICKMOULD**

- ADD 5 7/8" TO FRAME WIDTH
- ADD 3 5/16" TO FRAME HEIGHT*

**FOR PRIMED 3 1/2 FLAT**

- ADD 7 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR PRIMED 3 1/2 FLAT CASING**

- ADD 9 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR PRIMED 4 1/2 BACKBAND**

- ADD 11 7/8" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR PRIMED 5 1/2 FLAT CASING**

- ADD 16 3/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR PRIMED WILLIAMSBURG**

- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*

**FOR PRIMED WM 180 SOLID BACK BRICKMOULD**

- ADD 5 7/8" TO FRAME WIDTH
- ADD 3 5/16" TO FRAME HEIGHT*

**FOR PRIMED PLANTATION**

- ADD 4 11/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR PRIMED WILLIAMSBURG**

- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*

**FOR CLAD 3 1/2 FLAT**

- ADD 8 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR CLAD WM 180 SOLID BACK BRICKMOULD**

- ADD 8 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR CLAD 3 1/2 FLAT**

- ADD 10 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR CLAD WM 180 SOLID BACK BRICKMOULD**

- ADD 11 15/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**ADD ADDITIONAL 1/4" FOR BULLNOSE SILL**

**ADD ADDITIONAL 1 1/4" CLAD SUBSILL**

**ADD ADDITIONAL 1 1/4" CLAD SUBSILL**

**ADD ADDITIONAL 1 1/2" TO UNIT HEIGHT**

**NOTE:** ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING
### Pinnacle Series

#### CASEMENT - 38" WIDE

**ELEVATIONS : OPERATING / STATIONARY / PICTURE**  
**SCALE: 1/8" = 1'-0"**

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<th>Frame Width</th>
<th>Right Operation</th>
<th>Stationary Operation</th>
<th>Operator</th>
<th>Prairie</th>
<th>Diamond</th>
<th>2&quot; Simulated Check Rail</th>
<th>Single Plaza</th>
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**OTHER GRILLE PATTERNS**

- Prairie
- Diamond
- 2" Simulated Check Rail
- Single Plaza
- Double Plaza
- Triple Plaza

**CLAD UNIT SIZE INFORMATION**

**FOR CLAD WM 180 BRICKMOULD**
- Add 2 13/16" to frame width
- Add 1 3/4" to frame height*

**FOR CLAD WM 180 SOLID BACK BRICKMOULD**
- Add 2 13/16" to frame width
- Add 1 3/4" to frame height*

**FOR CLAD 3 1/2 FLAT**
- Add 5 7/8" to frame width
- Add 3 5/16" to frame height*

**FOR CLAD WILLIAMSBURG**
- Add 6 1/2" to frame width
- Add 3 5/8" to frame height*

* Add additional 7/8" for 1 1/4" clad sub sill
Add additional 1 1/8" for 2 1/4" clad sub sill

**FOR PRIMED WM-180**
- Add 2 13/16" to frame width
- Add 2 13/32" to frame height

**FOR PRIMED 3 1/2" FLAT CASING**
- Add 5 13/16" to frame width
- Add 3 15/16" to frame height*

**FOR PRIMED 4 1/2" BACKBAND**
- Add 7 13/16" to frame width
- Add 4 15/16" to frame height*

**FOR PRIMED 5 1/2" FLAT CASING**
- Add 9 13/16" to frame width
- Add 5 15/16" to frame height*

**FOR PRIMED WILLIAMSBURG**
- Add 6 1/2" to frame width
- Add 3 5/8" to frame height*

**FOR PRIMED WM 180 SOLID BACK BRICKMOULD**
- Add 2 13/16" to frame width
- Add 1 3/4" to frame height*
- Add additional 7/8" for 1 1/4" clad sub sill
Add additional 1 1/8" for 2 1/4" clad sub sill

**NOTES:**
- Clad Masonry Openings are for standard frame with no casing
- Primed Masonry Openings are for standard 180 Brickmould
- Shaded sizes meet most egress requirements. Verify local codes.

* Add additional 1" for bullnose sill

---

6/5/19
### Pinnacle Series

**CASEMENT - 38" WIDE**

**ELEVATIONS**: OPERATING / STATIONARY / PICTURE

**SCALE**: 1/8" = 1'-0"

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**OPERATION**

LEFT  | RIGHT

OPERATOR  | STATIONARY

**NOTES:**

- 80 HEIGHTS AVAILABLE IN CLAD ONLY
- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES

7868, 3274 & 3880 UNITS AVAILABLE AS FIXED UNITS ONLY

**CLAD UNIT SIZE INFORMATION**

FOR CLAD WM 180 BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD WM 180 SOLID BACK BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD 3 1/2 FLAT
- ADD 5 7/8" TO FRAME WIDTH
- ADD 3 5/16" TO FRAME HEIGHT*

FOR CLAD WILLIAMSBURG
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*

*ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

FOR PRIMED WM-180
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

FOR PRIMED 3 1/2 FLAT CASING
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT*

FOR PRIMED 4 1/2 BACKBAND
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2 FLAT CASING
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 5/8" TO FRAME WIDTH
- ADD 3 11/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

*ADD ADDITIONAL 1" FOR BULLNOSE SILL

**OTHER GRILLE PATTERNS**

- PRARIE
- DIAMOND
- 2" SIMULATED CHECK RAIL
- SINGLE PLAZA
- DOUBLE PLAZA
- TRIPLE PLAZA

**FOR PRIMED WM-180 3 1/2 FLAT CASING**
- ADD 5 5/8" TO FRAME WIDTH
- ADD 3 11/16" TO FRAME HEIGHT*

**FOR CLAD WM 180 SOLID BACK BRICKMOULD**
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR CLAD WM 180 SOLID BACK BRICKMOULD**
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR PRIMED WM-180**
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

**FOR PRIMED WILLIAMSBURG**
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*

**FOR PRIMED PLANTATION**
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

*ADD ADDITIONAL 1" FOR BULLNOSE SILL

**NOTE:**

ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING
## Pinnacle Series

### CASEMENT - PICTURE

**ELEVATIONS**

SCALE: 1/8" = 1'-0"

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### OTHER GRILLE PATTERNS

- **PRAIRIE**
- **DIAMOND**
- 2" SIMULATED CHECK RAIL
- SINGLE PLAZA
- DOUBLE PLAZA
- TRIPLE PLAZA

### CLAD UNIT SIZE INFORMATION

**FOR CLAD WM 180 BRICKMOULD**
- ADD 2 1/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR CLAD WM 180 SOLID BACK BRICKMOULD**
- ADD 2 1/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

**FOR CLAD 3 1/2 FLAT**
- ADD 5 7/8" TO FRAME WIDTH
- ADD 3 5/16" TO FRAME HEIGHT*

**FOR CLAD WILLIAMSBURG**
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*

* ADD ADDITIONAL 1 7/8" FOR 1 1/4" CLAD SUBSILL
ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

**FOR PRIMED WM-180**
- ADD 2 1/2" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

**FOR PRIMED 3 1/2" FLAT CASING**
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT*

**FOR PRIMED 4 1/2" BACKBAND**
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT*

**FOR PRIMED 5 1/2" FLAT CASING**
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

**FOR PRIMED WILLIAMSBURG**
- ADD 5 3/8" TO FRAME WIDTH
- ADD 3 11/16" TO FRAME HEIGHT*

**FOR PRIMED PLANTATION**
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

* ADD ADDITIONAL 1" FOR BULLNOSE SILL

### Notes:

- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD
- ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING

---

**NOTES:**

ADD 5/8" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING
Pinnacle Series
CASEMENT - PICTURE

ELEVATIONS
SCALE: 1/8" = 1'-0"

NOTES:
80 HEIGHTS AVAILABLE IN CLAD ONLY
CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

OTHER GRILLE PATTERNS

CLAD UNIT SIZE INFORMATION

FOR CLAD WM 180 BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD WM 180 SOLID BACK BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD 3 1/2 FLAT
- ADD 5 7/8" TO FRAME WIDTH
- ADD 3 5/16" TO FRAME HEIGHT*

FOR CLAD WILLIAMSBURG
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT*
- ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
- ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

FOR PRIMED WM-180
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

FOR PRIMED 3 1/2" FLAT CASING
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT*

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 3/8" TO FRAME WIDTH
- ADD 3 11/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 3/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

* ADD ADDITIONAL 1" FOR BULLNOSE SILL

NOTE:
ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING

6/5/19
# Pinnacle Series
## CASEMENT - TRANSOM
### ELEVATIONS

SCALE: 1/8" = 1'-0"

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<th>1-8 3/4</th>
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<td>26</td>
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<td>32</td>
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</table>

### NOTES:
- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

[Diagram of openings with measurements and notes]

### OTHER GRILLE PATTERN

- PRAIRIE
- DIAMOND

### CLAD UNIT SIZE INFORMATION

**FOR CLAD WM 180 BRICKMOULD**
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT

**FOR CLAD WM 180 SOLID BACK BRICKMOULD**
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT

**FOR CLAD 3 1/2 FLAT**
- ADD 5 7/8" TO FRAME WIDTH
- ADD 3 5/16" TO FRAME HEIGHT

**FOR CLAD WILLIAMSBURG**
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT

- *ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
- ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

**FOR PRIMED WM-180**
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT

**FOR PRIMED 3 1/2" FLAT CASING**
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT

**FOR PRIMED 4 1/2" BACKBAND**
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT

**FOR PRIMED 5 1/2" FLAT CASING**
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT

**FOR PRIMED WILLIAMSBURG**
- ADD 6 1/2" TO FRAME WIDTH
- ADD 3 5/8" TO FRAME HEIGHT

**FOR PRIMED PLANTATION**
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT

- *ADD ADDITIONAL 1" FOR BULLNOSE SILL

**NOTE:**
- ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING

6/5/19
## Pinnacle Series

### CASEMENT - TRANSOM

#### ELEVATIONS

SCALE: 1/8" = 1'-0"

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**NOTES:**

- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

6/5/19
Pinnacle Series

CASEMENT - 16" WIDE RADIUS SEGMENT TOP

ELEVATIONS: OPERATING / STATIONARY

SCALE: 1/8" = 1'-0"

NOTES:

CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

FOR CLAD WM 180 BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD WM 180 SOLID BACK BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*
- ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
- ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

FOR PRIMED WM-180
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

FOR PRIMED 3 1/2" FLAT CASING
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT*

FOR PRIMED 4 1/2" BACKBAND
- ADD 4 15/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 3/8" TO FRAME WIDTH
- ADD 3 1 1/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

* ADD ADDITIONAL 1" FOR BULLNOSE SILL

NOTE:
- ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING

6/5/19
Pinnacle Series

CASEMENT - 20" WIDE RADIUS SEGMENT TOP

ELEVATIONS: OPERATING / STATIONARY

SCALE: 1/8" = 1'-0"

NOTES:
CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

FOR CLAD WM 180 BRICKMOULD
☑ ADD 2 13/16" TO FRAME WIDTH
☑ ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD WM 180 SOLID BACK BRICKMOULD
☑ ADD 2 13/16" TO FRAME WIDTH
☑ ADD 1 3/4" TO FRAME HEIGHT*

*ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

FOR PRIMED WM-180
☑ ADD 2 13/16" TO FRAME WIDTH
☑ ADD 2 13/32" TO FRAME HEIGHT*

FOR PRIMED 3 1/2" FLAT CASING
☑ ADD 5 13/16" TO FRAME WIDTH
☑ ADD 3 15/16" TO FRAME HEIGHT*

FOR PRIMED 4 1/2" BACKBAND
☑ ADD 7 13/16" TO FRAME WIDTH
☑ ADD 4 15/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
☑ ADD 5 3/8" TO FRAME WIDTH
☑ ADD 3 11/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
☑ ADD 5 13/16" TO FRAME WIDTH
☑ ADD 5 15/16" TO FRAME HEIGHT*

*ADD ADDITIONAL 1" FOR BULLNOSE SILL

NOTE:
ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING

6/5/19
Pinnacle Series
CASEMENT - 24" WIDE RADIUS SEGMENT TOP
ELEVATIONS: OPERATING / STATIONARY
SCALE: 1/8" = 1'-0"

NOTES:
CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD
SHADED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES

FOR CLAD WM 180 BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD WM 180 SOLID BACK BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

* ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL
CLAD UNIT SIZE INFORMATION

FOR PRIMED WM-180
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

FOR PRIMED 2 1/2" FLAT CASING
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT*

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 3/8" TO FRAME WIDTH
- ADD 3 11/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 15/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

* ADD ADDITIONAL 1" FOR BULLNOSE SILL
NOTE:
ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING

6/5/19
Pinnacle Series
CASEMENT - 26" WIDE RADIUS SEGMENT TOP
ELEVATIONS: OPERATING / STATIONARY
SCALE: 1/8" = 1'-0"

OPERATION
LEFT
RIGHT
OPERATOR
STATIONARY

NOTES:
- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES

FOR CLAD WM 180 BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD WM 180 SOLID BACK BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

* ADD ADDITIONAL 1" FOR BULLNOSE SILL

FOR PRIMED WM-180
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

FOR PRIMED 3 1/2" FLAT CASING
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT*

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 3/8" TO FRAME WIDTH
- ADD 3 11/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

* ADD ADDITIONAL 1" FOR BULLNOSE SILL

NOTE:
- ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING
Pinnacle Series
CASEMENT - 32" WIDE RADIUS SEGMENT TOP
ELEVATIONS: OPERATING / STATIONARY
SCALE: 1/8" = 1'-0"

NOTES:
CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
PRIMED MASONRY OPENINGS ARE FOR STANDARD WM 180 BRICKMOULD
SHADED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES

FOR PRIMED WM-180
ADD 2 13/16" TO FRAME WIDTH
ADD 1 3/4" TO FRAME HEIGHT*
FOR PRIMED 3 1/2" FLAT CASING
ADD 5 13/16" TO FRAME WIDTH
ADD 3 15/16" TO FRAME HEIGHT*
FOR PRIMED 4 1/2" BACKBAND
ADD 7 13/16" TO FRAME WIDTH
ADD 4 15/16" TO FRAME HEIGHT*
FOR PRIMED WILLIAMSBURG
ADD 9 13/16" TO FRAME WIDTH
ADD 5 15/16" TO FRAME HEIGHT*
FOR PRIMED PLANTATION
ADD 5 13/16" TO FRAME WIDTH
ADD 5 15/16" TO FRAME HEIGHT*
* ADD ADDITIONAL 1" FOR BULLNOSE SILL

OPERATION
LEFT
RIGHT
OPERATOR
STATIONARY

FOR CLAD WM 180 BRICKMOULD
ADD 2 13/16" TO FRAME WIDTH
ADD 1 3/4" TO FRAME HEIGHT*
ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL
FOR CLAD WM 180 SOLID BACK BRICKMOULD
ADD 2 13/16" TO FRAME WIDTH
ADD 1 3/4" TO FRAME HEIGHT*
ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

CLAD UNIT SIZE INFORMATION

NOTE:
ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING
Pinnacle Series
CASEMENT - RADIUS ROUND TOP

ELEVATIONS: OPERATING / STATIONARY

SCALE: 1/8" = 1'-0"

NOTES:
CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING
PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD
SHADED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES

FOR CLAD WM 180 BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*

FOR CLAD WM 180 SOLID BACK BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 1 3/4" TO FRAME HEIGHT*
  * ADD ADDITIONAL 7/8" FOR 1 1/4" CLAD SUBSILL
  ADD ADDITIONAL 1 7/8" FOR 2 1/4" CLAD SUBSILL

FOR PRIMED WM-180
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 13/32" TO FRAME HEIGHT*

FOR PRIMED 3 1/2" FLAT CASING
- ADD 5 13/16" TO FRAME WIDTH
- ADD 3 15/16" TO FRAME HEIGHT*

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 13/16" TO FRAME WIDTH
- ADD 4 15/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 3/8" TO FRAME WIDTH
- ADD 3 11/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 13/16" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*
  * ADD ADDITIONAL 1" FOR BULLNOSE SILL

NOTE:
ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING