# Pinnacle Series
## DOUBLE HUNG - 16" WIDE

### ELEVATIONS

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

<table>
<thead>
<tr>
<th>Masonry Opening</th>
<th>Glass</th>
<th>Frame Width</th>
<th>Frame Height</th>
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<tbody>
<tr>
<td>2-0 3/4</td>
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<tr>
<td>3-10 1/8</td>
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<tr>
<td>3-7 1/2</td>
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<td>1-10 1/8</td>
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<td>4-5 1/4</td>
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<tr>
<td>4-4 3/4</td>
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</table>

### Other Grille Patterns

- Prairie
- Plaza
- 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 1 13/16" for Bullnose Sill

### Prime Unit Size Information

For Primed WM-180:
- Add 2 13/32" to Frame Width
- Add 1 15/16" to Frame Height

For Primed 3 1/2" Flat Casing:
- Add 5 5/8" to Frame Width
- Add 3 1/16" to Frame Height

For Primed 4 1/2" Backband:
- Add 7 5/8" to Frame Width
- Add 4 1/16" to Frame Height

For Primed 5 1/2" Flat Casing:
- Add 9 5/8" to Frame Width
- Add 5 1/16" to Frame Height

For Primed Williamsburg:
- Add 5 11/16" to Frame Width
- Add 2 13/16" to Frame Height

For Primed Plantation:
- Add 5 5/8" to Frame Width
- Add 5 15/16" to Frame Height

*Add additional 1 13/32" for Bullnose Sill
Add additional 1 1/32" for Belly 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 brickmold.

_7/8/19_
## Pinnacle Series
### DOUBLE HUNG - 16" WIDE

#### ELEVATIONS

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

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>2-0 3/4</td>
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<td>5-7 1/2</td>
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<tr>
<td>1-10 1/8</td>
<td>3-7 1/2</td>
<td>5-4 7/8</td>
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<tr>
<td>1-9 3/8</td>
<td>3-6 3/4</td>
<td>5-4 1/8</td>
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**OTHER GRILLE PATTERNS**

- **PRAIRIE**
- **PLAZA**
- **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

**PRIME UNIT SIZE INFORMATION**

- **FOR PRIMED WM-180**
  - ADD 2 19/32" TO FRAME WIDTH
  - ADD 1 9/16" TO FRAME HEIGHT*

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

- **FOR PRIMED 4 1/2" BACKBAND**
  - ADD 7 5/8" TO FRAME WIDTH
  - ADD 4 1/16" TO FRAME HEIGHT*

- **FOR PRIMED 5 1/2" FLAT CASING**
  - ADD 9 5/8" TO FRAME WIDTH
  - ADD 5 1/16" TO FRAME HEIGHT*

- **FOR PRIMED WILLIAMSBURG**
  - ADD 5 1/8" TO FRAME WIDTH
  - ADD 2 13/16" TO FRAME HEIGHT*

- **FOR PRIMED PLANTATION**
  - ADD 5 5/8" TO FRAME WIDTH
  - ADD 5 15/16" TO FRAME HEIGHT*
  - * ADD ADDITIONAL 15/16" FOR BULLNOSE SILL
  - ADD ADDITIONAL 1 1/32" FOR BELLY 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 BRICKMOLD.
Pinnacle Series
DOUBLE HUNG - 20" WIDE

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

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 3/8" 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

PRIME UNIT SIZE INFORMATION
FOR PRIMED WM-180
- ADD 2 19/32" TO FRAME WIDTH
- ADD 1 9/16" TO FRAME HEIGHT*

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

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 5/8" TO FRAME WIDTH
- ADD 4 1/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 5/8" TO FRAME WIDTH
- ADD 5 1/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 1/8" TO FRAME WIDTH
- ADD 2 13/16" TO FRAME HEIGHT*

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

* ADD ADDITIONAL 15/16" FOR BULLNOSE SILL
ADD ADDITIONAL 1 1/32" FOR BELLY 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 BRICKMOLD.

7/8/19
### Pinnacle Series

**DOUBLE HUNG - 20" WIDE**

**ELEVATIONS**

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

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<td>6-7 1/2</td>
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<td>2-2 1/8</td>
<td>6-4 7/8</td>
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<td>2-2 1/8</td>
<td>6-4 1/8</td>
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<td>6-4 1/8</td>
<td>6-4 1/8</td>
<td>20</td>
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</tbody>
</table>

**OTHER GRILLE PATTERNS**

- **PRAIRIE**
- **PLAZA**
- **DIAMOND**

**NOTES:**

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

**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 19/32" to frame width
  - Add 1 9/16" to frame height*

**PRIME UNIT SIZE INFORMATION**

- For Primed WM-180:
  - Add 2 19/32" to frame width
  - Add 1 9/16" to frame height*

- For Primed 3 1/2" Flat Casing:
  - Add 6 5/8" to frame width
  - Add 3 1/16" to frame height*

- For Primed 4 1/2" Backband:
  - Add 7 5/8" to frame width
  - Add 4 1/16" to frame height*

- For Primed 5 1/2" Flat Casing:
  - Add 9 5/8" to frame width
  - Add 5 1/16" to frame height*

- For Primed Williamsburg:
  - Add 5 1/8" to frame width
  - Add 2 13/16" to frame height*

- For Primed Plantation:
  - Add 5 5/8" to frame width
  - Add 5 15/16" to frame height*

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

**NOTE:**

Add 3/4" to unit width & 1/2" to unit height to calculate masonry opening.

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**7/8/19**

**NOTES:**

CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING.
PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOLD.
# Pinnacle Series

## DOUBLE HUNG - 24'' WIDE

### ELEVATIONS

<table>
<thead>
<tr>
<th>Scale: 1/8'' = 1'-0''</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-6 1/8</td>
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<tr>
<td>2-6 1/8</td>
</tr>
<tr>
<td>2-5 3/8</td>
</tr>
</tbody>
</table>

### OTHER GRILLE PATTERNS

- **PRAIRIE**
- **PLAZA**
- **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 sub sill
  *Add additional 1 7/8'' for 2 1/4'' clad sub sill

### PRIME UNIT SIZE INFORMATION

- **FOR PRIMED WM-180**
  - Add 2 19/32'' to frame width
  - Add 1 9/16'' to frame height*

- **FOR PRIMED 3 1/2'' FLAT CASING**
  - Add 5 5/8'' to frame width
  - Add 3 1/16'' to frame height*

- **FOR PRIMED 4 1/2'' BACKBAND**
  - Add 7 5/8'' to frame width
  - Add 4 1/16'' to frame height*

- **FOR PRIMED 5 1/2'' FLAT CASING**
  - Add 9 5/8'' to frame width
  - Add 5 1/16'' to frame height*

- **FOR PRIMED WILLIAMSBURG**
  - Add 5 1/8'' to frame width
  - Add 2 13/16'' to frame height*

- **FOR PRIMED PLANTATION**
  - Add 5 5/8'' to frame width
  - Add 5 15/16'' to frame height*

  *Add additional 15/16'' for bullnose sill
  *Add additional 1 3/16'' for belly 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 brickmold.
- Shaded sizes meet most egress requirements. Verify local codes.

7/8/19
Pinnacle Series
DOUBLE HUNG - 24" WIDE

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

Max. Opr. Primed
Max. Opr. Clad
Rough Opr. Frame

<table>
<thead>
<tr>
<th>7.2-13/16</th>
<th>7.1-14</th>
<th>7.3-34</th>
<th>38-38</th>
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<tbody>
<tr>
<td>7.2-13/16</td>
<td>7.1-14</td>
<td>7.3-34</td>
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</table>

OTHER GRILLE PATTERNS
- PRAIRIE
- PLAZA
- 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 CASING
  - 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

PRIME UNIT SIZE INFORMATION
- FOR PRIMED WILLIAMSBURG
  - ADD 5 1/8" TO FRAME WIDTH
  - ADD 2 13/16" TO FRAME HEIGHT*
  - ADD ADDITIONAL 1 1/32" FOR BELLY SILL

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.

7/8/19
Pinnacle Series
DOUBLE HUNG - 26" WIDE

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

<table>
<thead>
<tr>
<th>Frame Width</th>
<th>Glass</th>
<th>Clad Masonry Opening</th>
<th>Primed Masonry Opening</th>
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NOTES:
- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING.
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOLD.
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS VERIFY LOCAL CODES.

OTHER GRILLE PATTERNS
- PRAIRIE
- PLAZA
- 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

PRIME UNIT SIZE INFORMATION
- FOR PRIMED WM-180
  - ADD 2 19/32" TO FRAME WIDTH
  - ADD 1 9/16" TO FRAME HEIGHT*

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

- FOR PRIMED 4 1/2" BACKBAND
  - ADD 7 5/8" TO FRAME WIDTH
  - ADD 4 1/16" TO FRAME HEIGHT*

- FOR PRIMED 5 1/2" FLAT CASING
  - ADD 9 5/8" TO FRAME WIDTH
  - ADD 5 1/16" TO FRAME HEIGHT*

- FOR PRIMED WILLIAMSBURG
  - ADD 5 1/8" TO FRAME WIDTH
  - ADD 2 13/16" TO FRAME HEIGHT*

- FOR PRIMED PLANTATION
  - ADD 5 5/8" TO FRAME WIDTH
  - ADD 5 15/16" TO FRAME HEIGHT*

  * ADD ADDITIONAL 1 1/2" FOR BULLNOSE SILL
  ADD ADDITIONAL 1 7/16" FOR BELLY SILL

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

7/8/19
### Pinnacle Series

**DOUBLE HUNG - 26” WIDE**

#### ELEVATIONS

Scale: 1/8” = 1'-0"

<table>
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<tr>
<th>Frame</th>
<th>Rough Opg.</th>
<th>Masonry Opg. Clad</th>
<th>Masonry Opg. Primed</th>
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<tr>
<td></td>
<td>2638*</td>
<td>2638-2*</td>
<td>2638-3*</td>
</tr>
</tbody>
</table>

* (CONCEALED JAMBLINER ONLY)

**NOTES:**
- Clad masonry openings are for standard frame with no casing.
- Primed masonry openings are for standard 180 brickmold.
- Shaded sizes meet most egress requirements verify local codes.

#### Other Grille Patterns

- **Prairie**
- **Plaza**
- **Diamond**

#### Clad Unit Size Information

For Clad WM 180 Brickmold:
- Add 2 13/16” to frame width
- Add 1 3/4” to frame height*

For Clad WM 180 Solid Back Brickmold:
- 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 7/8” for 2 1/4” clad sub sill

#### Prime Unit Size Information

For Primed WM-180:
- Add 2 19/32” to frame width
- Add 1 9/16” to frame height*

For Primed 3 1/2” Flat Casing:
- Add 5 5/8” to frame width
- Add 3 1/16” to frame height*

For Primed 4 1/2” Backband:
- Add 7 5/8” to frame width
- Add 4 1/16” to frame height*

For Primed 5 1/2” Flat Casing:
- Add 9 5/8” to frame width
- Add 5 1/16” to frame height*

For Primed Williamsburg:
- Add 5 1/8” to frame width
- Add 2 13/16” to frame height*

For Primed Plantation:
- Add 5 5/8” to frame width
- Add 5 15/16” to frame height*

* Add additional 15/16” for bullnose sill
  Add additional 1 1/32” for belly sill

**NOTE:**
Add 3/4” to unit width & 1/2” to unit height to calculate masonry opening

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**Notes:**
- Clad Masonry Openings are for standard frame with no casing.
- Primed Masonry Openings are for standard 180 brickmold.
- Shaded sizes meet most egress requirements verify local codes.
Pinnacle Series
DOUBLE HUNG - 28" WIDE

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

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

CLAD UNIT SIZE INFORMATION
- 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 WILLIAMSBURG

PRIME UNIT SIZE INFORMATION
FOR PRIMED WM-180
- ADD 2 19/32" TO FRAME WIDTH
- ADD 1 9/16" TO FRAME HEIGHT*

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

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 5/8" TO FRAME WIDTH
- ADD 4 1/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 5/8" TO FRAME WIDTH
- ADD 5 1/16" 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 7/8" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

* ADD ADDITIONAL 15/16" FOR BULLNOSE SILL
ADD ADDITIONAL 1 1/32" FOR BELLY SILL

NOTE:
ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MASONRY OPENING
### Pinnacle Series
**DOUBLE HUNG - 28" WIDE**

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

<table>
<thead>
<tr>
<th>Max. CDP Primed</th>
<th>Max. CDP Clad</th>
<th>Rough 45 Primed</th>
<th>Frame</th>
<th>Class</th>
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<tbody>
<tr>
<td>7 2-13/16</td>
<td>7 1-3/4</td>
<td>7 1-1/4</td>
<td>7 0-3/8</td>
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<table>
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<tr>
<th>28</th>
<th>28</th>
<th>28</th>
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### Scale:
5-7 1/2  
5-6 3/4  
2-10 1/8  
5-10 1/8  
5-7 1/2  
8-4 1/8  
8-4 7/8  
2-10 1/8  
8-7 1/2  
8-4 1/8  

### Other Grille Patterns
- Prairie
- Plaza
- 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*

### Prime Unit Size Information
- For Primed WM-180:
  - Add 2 19/32" to frame width
  - Add 1 9/16" to frame height*
- For Primed 3 1/2 Flat Casing:
  - Add 5 5/8" to frame width
  - Add 3 1/16" to frame height*
- For Primed 4 1/2" Backband:
  - Add 7 5/8" to frame width
  - Add 4 1/16" to frame height*
- For Primed 5 1/2 Flat Casing:
  - Add 9 5/8" to frame width
  - Add 5 1/16" to frame height*
- For Primed Williamsburg:
  - Add 5 1/8" to frame width
  - Add 2 13/16" to frame height*
- For Primed Plantation:
  - Add 5 5/8" to frame width
  - Add 5 15/16" to frame height*

### Notes:
- 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 brickmold.
- Shaded sizes meet most egress requirements; verify local codes.

7/8/19
### Pinnacle Series

**DOUBLE HUNG - 30" WIDE**

**ELEVATIONS**

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

<table>
<thead>
<tr>
<th>Matt. Opg. Printed</th>
<th>Rough Opg.</th>
<th>Frame</th>
<th>Glass</th>
</tr>
</thead>
<tbody>
<tr>
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<td>2-3 1/4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-2 1/4</td>
<td>2-3 1/4</td>
<td>3-2 1/4</td>
<td>3-2 1/4</td>
</tr>
<tr>
<td>3-0 1/8</td>
<td>2-1 1/2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-0 1/8</td>
<td>2-1 1/2</td>
<td>3-0 1/8</td>
<td>3-0 1/8</td>
</tr>
<tr>
<td>2-11 3/8</td>
<td>1-0 1/4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-11 3/8</td>
<td>1-0 1/4</td>
<td>2-11 3/8</td>
<td>2-11 3/8</td>
</tr>
</tbody>
</table>

**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.**

### OTHER GRILLE PATTERNS

- **PRAIRIE**
- **PLAZA**
- **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 ADDED 1 1/4" FOR 2 1/4" CLAD SUBSILL*

### PRIME UNIT SIZE INFORMATION

- **FOR PRIMED WM-180**
  - ADD 2 19/32" TO FRAME WIDTH
  - ADD 1 9/16" TO FRAME HEIGHT*

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

- **FOR PRIMED 4 1/2" BACKBAND**
  - ADD 7 5/8" TO FRAME WIDTH
  - ADD 5 1/8" TO FRAME HEIGHT*

- **FOR PRIMED 5 1/2" FLAT CASING**
  - ADD 9 5/8" TO FRAME WIDTH
  - ADD 5 1/16" 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 5/8" TO FRAME WIDTH
  - ADD 5 15/16" TO FRAME HEIGHT*

* *ADD ADDITIONAL 15/16" FOR BULLNOSE SILL ADDED 1 1/32" FOR BELLY SILL*

**NOTE:**

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

**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 ADDED 1 1/4" FOR 2 1/4" CLAD SUBSILL*

**PRIME UNIT SIZE INFORMATION**

- **FOR PRIMED WM-180**
  - ADD 2 19/32" TO FRAME WIDTH
  - ADD 1 9/16" TO FRAME HEIGHT*

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

- **FOR PRIMED 4 1/2" BACKBAND**
  - ADD 7 5/8" TO FRAME WIDTH
  - ADD 5 1/8" TO FRAME HEIGHT*

- **FOR PRIMED 5 1/2" FLAT CASING**
  - ADD 9 5/8" TO FRAME WIDTH
  - ADD 5 1/16" 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 5/8" TO FRAME WIDTH
  - ADD 5 15/16" TO FRAME HEIGHT*

* *ADD ADDITIONAL 15/16" FOR BULLNOSE SILL ADDED 1 1/32" FOR BELLY 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.
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS VERIFY LOCAL CODES.
### Pinnacle Series

**DOUBLE HUNG - 30" WIDE**

**ELEVATIONS**

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

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

<table>
<thead>
<tr>
<th>Rough Opg.</th>
<th>Mas. Opg. Clad</th>
<th>Mas. Opg. Primed</th>
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</thead>
<tbody>
<tr>
<td>3038*</td>
<td>3038-2*</td>
<td>3038-3*</td>
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<tr>
<td>7-1 1/4</td>
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<td>7-1 1/4</td>
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<tr>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>7-2 1/8</td>
<td>7-0 3/4</td>
<td>7-2 1/8</td>
</tr>
<tr>
<td>5-11 1/2</td>
<td>5-11 1/2</td>
<td>5-11 1/2</td>
</tr>
<tr>
<td>6-2 1/8</td>
<td>5-11 1/2</td>
<td>5-10 3/4</td>
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<tr>
<td>8-11 1/2</td>
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<td>8-10 1/8</td>
</tr>
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<td>3040*</td>
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<td>7-5 1/4</td>
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<tr>
<td>8-1 1/4</td>
<td>8-0 3/4</td>
<td>8-1 1/4</td>
</tr>
<tr>
<td>8-0 3/4</td>
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</tr>
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<td>8-11 1/2</td>
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<td>8-10 1/8</td>
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<td>3042*</td>
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<td>3042-3*</td>
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<td>8-1 1/4</td>
</tr>
<tr>
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<td>8-0 3/4</td>
<td>8-1 1/4</td>
</tr>
<tr>
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<td>8-10 1/8</td>
<td>8-10 1/8</td>
</tr>
<tr>
<td>3044*</td>
<td>3044-2*</td>
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<tr>
<td>8-1 1/4</td>
<td>8-0 3/4</td>
<td>8-1 1/4</td>
</tr>
<tr>
<td>8-11 1/2</td>
<td>8-10 1/8</td>
<td>8-10 1/8</td>
</tr>
</tbody>
</table>

**OTHER GRILLE PATTERNS**

- **PRAIRIE**
- **PLAZA**
- **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 19/32" TO FRAME WIDTH
  - ADD 1 9 1/16" TO FRAME HEIGHT*

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

- **FOR PRIMED 4 1/2" BACKBAND**
  - ADD 7 5/8" TO FRAME WIDTH
  - ADD 4 1/16" TO FRAME HEIGHT*

- **FOR PRIMED 5 1/2" FLAT CASING**
  - ADD 9 5/8" TO FRAME WIDTH
  - ADD 5 1/16" TO FRAME HEIGHT*

- **FOR PRIMED WILLIAMSBURG**
  - ADD 5 7/8" TO FRAME WIDTH
  - ADD 2 13/16" TO FRAME HEIGHT*

- **FOR PRIMED PLANTATION**
  - ADD 5 5/8" TO FRAME WIDTH
  - ADD 5 15/16" TO FRAME HEIGHT*
  - ADD ADDITIONAL 15/16" FOR BULLNOSE SILL
  - ADD ADDITIONAL 1 1/32" FOR BELLY SILL

**PRIME UNIT SIZE INFORMATION**

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

**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 BRICKMOLD.
SHADED SIZES MEET MOST EGRESS REQUIREMENTS VERIFY LOCAL CODES.

7/8/19
# Pinnacle Series

## DOUBLE HUNG - 32" WIDE

### ELEVATIONS

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

<table>
<thead>
<tr>
<th>Rough Openings</th>
<th>Frame</th>
<th>Glass</th>
</tr>
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<tr>
<td>32/16</td>
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<td>32/20</td>
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<td>32/24</td>
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<tr>
<td>32/36</td>
<td>32/36</td>
<td>32/36</td>
</tr>
</tbody>
</table>

### Other Grille Patterns

- **Prairie**
- **Plaza**
- **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 5/8" 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

### Prime Unit Size Information

- **For Primed WM-180**
  - Add 2 19/32" to frame width
  - Add 1 9/16" to frame height*

- **For Primed 3 1/2" Flat Casings**
  - Add 5 5/8" to frame width
  - Add 3 1/16" to frame height*

- **For Primed 4 1/2" Backband**
  - Add 7 5/8" to frame width
  - Add 4 1/16" to frame height*

- **For Primed 5 1/2" Flat Casings**
  - Add 9 5/8" to frame width
  - Add 5 1/16" to frame height*

- **For Primed Williamsburg**
  - Add 5 1/8" to frame width
  - Add 2 13/16" to frame height*

- **For Primed Plantation**
  - Add 5 5/8" to frame width
  - Add 5 15/16" to frame height*

* Add additional 15/16" for bullnose sill
Add additional 1 1/32" for belly sill

### Notes:

- Clad Masonry Openings are for standard frame with no casing.
- Primed Masonry Openings are for standard 180 Brickmold.
- Shaded sizes meet most egress requirements; verify local codes.
## Pinnacle Series

### DOUBLE HUNG - 32" WIDE

**ELEVATIONS**

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

<table>
<thead>
<tr>
<th>Rough Opn</th>
<th>Frame</th>
<th>Glass</th>
</tr>
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<tr>
<td>3-2 1/8</td>
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<td>6-3 1/2</td>
</tr>
<tr>
<td>6-2 3/4</td>
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<tr>
<td>9-4 1/8</td>
<td>32</td>
<td>9-4 1/8</td>
</tr>
</tbody>
</table>

**NOTES:**

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

### OTHER GRILLE PATTERNS

- **PRAIRIE**
- **PLAZA**
- **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

### PRIME UNIT SIZE INFORMATION

FOR PRIMED WM-180
- ADD 2 19/32" TO FRAME WIDTH
- ADD 1 9/16" TO FRAME HEIGHT*

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

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 5/8" TO FRAME WIDTH
- ADD 4 1/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 5/8" TO FRAME WIDTH
- ADD 5 1/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 1/8" TO FRAME WIDTH
- ADD 2 13/16" TO FRAME HEIGHT*

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

* ADD ADDITIONAL 15/16" FOR BULLNOSE SILL
* ADD ADDITIONAL 1 1/32" FOR BELLY SILL

### NOTES:

- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING.
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOLD.
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS VERIFY LOCAL CODES.
Pinnacle Series
DOUBLE HUNG - 36" WIDE

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

<table>
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<tr>
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<th>5-6 1/16</th>
<th>5-10 1/16</th>
<th>6-2 1/16</th>
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<tbody>
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</tbody>
</table>

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

OTHER GRILLE PATTERNS
- PRAIRIE
- PLAZA
- 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 1/4" FOR 2 1/4" CLAD SUBSILL

PRIME UNIT SIZE INFORMATION
- FOR PRIMED WM-180
  - ADD 2 19/32" TO FRAME WIDTH
  - ADD 1 9/16" TO FRAME HEIGHT*

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

- FOR PRIMED 4 1/2" BACKBAND
  - ADD 7 5/8" TO FRAME WIDTH
  - ADD 4 1/16" TO FRAME HEIGHT*

- FOR PRIMED 5 1/2" FLAT CASING
  - ADD 9 5/8" TO FRAME WIDTH
  - ADD 5 1/16" 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 5/8" TO FRAME WIDTH
  - ADD 5 1/16" TO FRAME HEIGHT*

  * ADD ADDITIONAL 15/16" FOR BULLNOSE SILL
  ADD ADDITIONAL 1 1/32" FOR BELLY SILL

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

7/8/19
Pinnacle Series
DOUBLE HUNG - 40" WIDE

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

3-10 1/8
3-9 3/8
3-0 3/4
3-1 1/4
3-5 1/4
3-4 3/4
4-1 1/4
4-0 3/4
7-7 1/2
7-6 3/4
4-0 3/4
7-10 1/8
7-7 1/2
3-10 1/8
7-7 1/2
3-1 1/4
3-5 1/4
4-1 1/4
4-0 3/4
4-5 1/4
4-4 3/4
4-9 1/4
4-8 3/4
4-9 1/4
5-1 1/4
5-0 3/4
5-1 1/4
5-5 1/4
5-4 3/4
5-5 1/4
5-9 1/4
5-8 3/4
5-9 1/4
6-1 1/4
6-0 3/4
6-1 1/4
6-5 1/4
6-4 3/4
6-5 1/4
6-9 1/4
6-8 3/4
6-9 1/4
7-7 1/2
7-6 3/4
7-10 1/8

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

OTHER GRILLE PATTERNS
- PRAIRIE
- PLAZA
- 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

PRIME UNIT SIZE INFORMATION
FOR PRIMED WM-180
- ADD 2 19/32" TO FRAME WIDTH
- ADD 1 9/16" TO FRAME HEIGHT*

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

FOR PRIMED 4 1/2 BACKBAND
- ADD 7 5/8" TO FRAME WIDTH
- ADD 4 1/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2 FLAT CASING
- ADD 9 5/8" TO FRAME WIDTH
- ADD 5 1/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 9/16" TO FRAME WIDTH
- ADD 2 13/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 5/8" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*
- *ADD ADDITIONAL 15/16" FOR BULLNOSE SILL
- ADD ADDITIONAL 1 7/8" FOR BELLY 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 BRICKMOLD.
SHADED SIZES MEET MOST EGRESS REQUIREMENTS VERIFY LOCAL CODES.

7/8/19
Pinnacle Series
DOUBLE HUNG - 40" WIDE

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

<table>
<thead>
<tr>
<th>Clay Opens</th>
<th>Primed Opens</th>
<th>Masonry Openings Clad</th>
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<td>3-9 3/8</td>
<td>3-9 3/8</td>
<td>7-6 3/4</td>
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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.

OTHER GRILLE PATTERNS

<p>| | | |</p>
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<td>PLAZA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIAMOND</td>
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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 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

PRIME UNIT SIZE INFORMATION

FOR PRIMED WM-180
- ADD 2 19/32" TO FRAME WIDTH
- ADD 1 9/16" TO FRAME HEIGHT

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

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 5/8" TO FRAME WIDTH
- ADD 4 1/16" TO FRAME HEIGHT

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 5/8" TO FRAME WIDTH
- ADD 5 1/16" TO FRAME HEIGHT

FOR PRIMED WILLIAMSBURG
- ADD 5 7/8" TO FRAME WIDTH
- ADD 5 5/8" TO FRAME HEIGHT

FOR PRIMED PLANTATION
- ADD 5 5/8" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT

* ADD ADDITIONAL 15/16" FOR BULLNOSE SILL
ADD ADDITIONAL 1 1/32" FOR BELLY SILL

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

7/8/19
Pinnacle Series
DOUBLE HUNG - 42" WIDE

ELEVATIONS: (CLAD CONCEALED JAMBLINER ONLY)

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

OTHER GRILLE PATTERNS

PLAZA
DIAMOND

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

PRIME UNIT SIZE INFORMATION
FOR PRIMED WM-180
- ADD 2 19/32" TO FRAME WIDTH
- ADD 1 9/16" TO FRAME HEIGHT*

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

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 5/8" TO FRAME WIDTH
- ADD 4 1/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 5/8" TO FRAME WIDTH
- ADD 5 1/16" TO FRAME HEIGHT*

FOR PRIMED 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 PLANTATION
- ADD 5 5/8" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*
* ADD ADDITIONAL 1 1/32" FOR BULLNOSE SILL
ADD ADDITIONAL 1 5/8" FOR BELLY SILL

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

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

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

FOR PRIMED WM-180
- ADD 2 19/32" TO FRAME WIDTH
- ADD 1 9/16" TO FRAME HEIGHT*

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

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 5/8" TO FRAME WIDTH
- ADD 4 1/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 5/8" TO FRAME WIDTH
- ADD 5 1/16" TO FRAME HEIGHT*

FOR PRIMED 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 BELLY SILL

NOTE:
ADD 3 1/4" 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 BRICKMOLD.
SHADED SIZES MEET MOST EGRESS REQUIREMENTS VERIFY LOCAL CODES.
Pinnacle Series
DOUBLE HUNG - 42" WIDE

ELEVATIONS: (CLAD CONCEALED JAMBLINER ONLY)
SCALE: 1/8" = 1'-0"

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

OTHER GRILLE PATTERNS
- PRAIRIE
- PLAZA
- 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

PRIME UNIT SIZE INFORMATION
- FOR PRIMED WM-180
  - ADD 2 19/32" TO FRAME WIDTH
  - ADD 1 9/16" TO FRAME HEIGHT*
- FOR PRIMED 3 1/2" FLAT CASING
  - ADD 5 5/8" TO FRAME WIDTH
  - ADD 3 1/16" TO FRAME HEIGHT*
- FOR PRIMED 4 1/2" BACKBAND
  - ADD 7 5/8" TO FRAME WIDTH
  - ADD 4 1/16" TO FRAME HEIGHT*
- FOR PRIMED 5 1/2" FLAT CASING
  - ADD 9 5/8" TO FRAME WIDTH
  - ADD 5 1/16" 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 5/8" TO FRAME WIDTH
  - ADD 5 5/16" TO FRAME HEIGHT*
  - * ADD ADDITIONAL 15/16" FOR BULLNOSE SILL
  - ADD ADDITIONAL 1 1/32" FOR BELLY 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 BRICKMOLD.
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS VERIFY LOCAL CODES.
# Pinnacle Series

**DOUBLE HUNG - ORIEL**

**ELEVATIONS**

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

<table>
<thead>
<tr>
<th>Scale</th>
<th>Rough Opg.</th>
<th>Mas. Opg. Clad</th>
<th>Mas. Opg. Primed</th>
<th>Frame</th>
<th>Glass</th>
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<tbody>
<tr>
<td>5-10 13/16</td>
<td>2-0 3/4</td>
<td>3-10 1/8</td>
<td>5-7 1/2</td>
<td>16/3624</td>
<td>16/3624-2</td>
</tr>
<tr>
<td>5-9 1/14</td>
<td>1-10 1/8</td>
<td>3-7 1/2</td>
<td>5-4 7/8</td>
<td>16/3624</td>
<td>16/3624-2</td>
</tr>
<tr>
<td>5-9 3/4</td>
<td>2-0 3/4</td>
<td>3-7 1/2</td>
<td>5-4 7/8</td>
<td>16/3624</td>
<td>16/3624-2</td>
</tr>
<tr>
<td>5-3 3/4</td>
<td>2-0 3/4</td>
<td>3-7 1/2</td>
<td>5-4 7/8</td>
<td>16/3624</td>
<td>16/3624-2</td>
</tr>
</tbody>
</table>

**OTHER GRILLE PATTERNS**

- PRAIRIE
- PLAZA
- DIAMOND

**NOTES:**

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

**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

**PRIME UNIT SIZE INFORMATION**

- FOR PRIMED WM-180
  - ADD 2 19/32" TO FRAME WIDTH
  - ADD 1 9/16" TO FRAME HEIGHT*
- FOR PRIMED 3 1/2" FLAT CASING
  - ADD 5 5/8" TO FRAME WIDTH
  - ADD 3 1/16" TO FRAME HEIGHT*
- FOR PRIMED 4 1/2" BACKBAND
  - ADD 7 5/8" TO FRAME WIDTH
  - ADD 4 1/16" TO FRAME HEIGHT*
- FOR PRIMED 5 1/2" FLAT CASING
  - ADD 9 5/8" TO FRAME WIDTH
  - ADD 5 1/16" TO FRAME HEIGHT*
- FOR PRIMED WILLIAMSBURG
  - ADD 5 1/8" TO FRAME WIDTH
  - ADD 2 13/16" TO FRAME HEIGHT*

**FOR PRIMED PLANTATION**

- ADD 5 5/8" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*
- *ADD ADDITIONAL 15/16" FOR BULLNOSE SILL
- ADD ADDITIONAL 1 1/32" FOR BELLY SILL

**NOTE:**

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

- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING.
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD.
### Other Grille Patterns

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

### Prime Unit Size Information

- **For Primed WM-180**
  - Add 2 19/32" to frame width
  - Add 1 9/16" to frame height*

- **For Primed 3 1/2" Flat Casing**
  - Add 5 5/8" to frame width
  - Add 3 1/16" to frame height*

- **For Primed 4 1/2" Backband**
  - Add 7 5/8" to frame width
  - Add 4 1/16" to frame height*

- **For Primed 5 1/2" Flat Casing**
  - Add 9 5/8" to frame width
  - Add 5 1/16" to frame height*

- **For Primed Williamsburg**
  - Add 5 1/8" to frame width
  - Add 2 13/16" to frame height*

- **For Primed Plantation**
  - Add 5 5/8" to frame width
  - Add 5 15/16" to frame height*

  * Add additional 1 1/16" for bullnose sill
  * Add additional 1 1/32" for belly sill

---

**Notes:**
- Clad masonry openings are for standard frame with no casing.
- Primed masonry openings are for standard 180 brickmold.
- Shaded sizes meet most egress requirements. Verify local codes.

7/8/19
Pinnacle Series
DOUBLE HUNG - COTTAGE

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

OTHER GRILLE PATTERNS

PRAIRIE
PLAZA
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

PRIME UNIT SIZE INFORMATION

FOR PRIMED WM-180
- ADD 2 19/32" TO FRAME WIDTH
- ADD 1 9/16" TO FRAME HEIGHT

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

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 5/8" TO FRAME WIDTH
- ADD 4 1/16" TO FRAME HEIGHT

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 5/8" TO FRAME WIDTH
- ADD 5 1/16" TO FRAME HEIGHT

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

FOR PRIMED PLANTATION
- ADD 5 5/8" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT
* ADD ADDITIONAL 15/16" FOR BULLNOSE SILL
ADD ADDITIONAL 1 1/32" FOR BELLY 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 BRICKMOLD.
Pinnacle Series
DOUBLE HUNG - COTTAGE

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

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

OTHER GRILLE PATTERNS

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

FOR CLAD WM 180 SOLID BACK BRICKMOLD
- 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 19/32" TO FRAME WIDTH
- ADD 1 9/16" TO FRAME HEIGHT*

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

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 5/8" TO FRAME WIDTH
- ADD 4 1/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 5/8" TO FRAME WIDTH
- ADD 5 1/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 1/8" TO FRAME WIDTH
- ADD 2 13/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 5/8" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

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

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

7/8/19
Pinnacle Series

DOUBLE HUNG - PICTURE

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

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PRIME UNIT SIZE INFORMATION
FOR PRIMED WM-180 SOLID BACK
- ADD 2 1/16" TO FRAME WIDTH
- ADD 2 1/16" TO FRAME HEIGHT
- ADD 2 1/16" TO FRAME WIDTH
- ADD 3 1/16" TO FRAME HEIGHT

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

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

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

NOTES:
CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING.
PRIMED MASONRY OPENINGS ARE FOR STANDARD WM-180 BRICKMOULD.
ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT TO CALCULATE MAS. OPENING.
ADD ADDITIONAL 15/16" FOR BULLNOSE SILL
ADD ADDITIONAL 1 3/32" FOR BELLY SILL
ADD 1 9/16" TO FRAME HEIGHT* FOR PRIMED SUBSILL
ADD 3 1/16" TO FRAME HEIGHT* FOR CLAD SUBSILL

Other Grille Patterns
- Prairie
- Single Plaza
- Double Plaza
- Triple Plaza
- Diamond
- 2" Simulated Checkrail

7/8/19
### Pinnacle Series

**DOUBLE HUNG - PICTURE**

**ELEVATIONS**

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

<table>
<thead>
<tr>
<th>Scale</th>
<th>Rough Chop Frame</th>
<th>Glass</th>
<th>Other Chop Frame</th>
<th>Clad Masonry</th>
<th>Primed Masonry</th>
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<tr>
<td>1-2 1/8</td>
<td>1-4 1/8</td>
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<td>1-8 1/8</td>
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<td>2-6 3/4</td>
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<td>2-10 3/4</td>
<td>2-12 3/4</td>
<td>4-4 3/4</td>
<td></td>
</tr>
</tbody>
</table>

**NOTES:**

- Clad Masonry Openings are for standard frame with no casing.
- Primed Masonry Openings are for standard 180 brick mold.
- Add 3/4" to unit width & 1/2" to unit height to calculate Mas. opening.
- *Add additional 15/16" for bull nose sill.
- Add additional 1 3/32" for belly sill.

---

**CLAD UNIT SIZE INFORMATION**

<table>
<thead>
<tr>
<th>Frame Width</th>
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<tbody>
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<td>6-10 13/16</td>
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<td>7-2 13/16</td>
<td>10 3/4</td>
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<td>8-2 13/16</td>
<td>14 3/4</td>
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</table>

<table>
<thead>
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</thead>
<tbody>
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<td>0874</td>
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**PRIME UNIT SIZE INFORMATION**

<table>
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<tbody>
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<td>12 3/4</td>
</tr>
<tr>
<td>8-2 13/16</td>
<td>14 3/4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Frame Width</th>
<th>Frame Height</th>
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</thead>
<tbody>
<tr>
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<td>1074</td>
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<tr>
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<td>0874</td>
<td>1086</td>
</tr>
<tr>
<td>0890</td>
<td>1090</td>
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**OTHER GRILLE PATTERNS**

- Prairie
- Single Plaza
- Double Plaza
- Triple Plaza
- Diamond
- 2" Simulated Checkrail

**NOTES:**

- Clad Masonry openings are for standard frame with no casing.
- Primed Masonry openings are for standard 180 brick mold.
- Add 3/4" to unit width & 1/2" to unit height to calculate Mas. opening.
- *Add additional 15/16" for bull nose sill.
- Add additional 1 3/32" for belly sill.
## Pinnacle Series
### Double Hung - Transom

#### Elevations

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

<table>
<thead>
<tr>
<th>Outside Clad</th>
<th>Rough Opening</th>
<th>Inside Frame</th>
<th>Glass</th>
<th>Primed (In Sash)</th>
<th>Clad (In Sash)</th>
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<tr>
<td>1-10 1/8</td>
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<tr>
<td>2-2 1/8</td>
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<td>2-6 1/8</td>
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<td>1612 2012 2412 2612 2812 3012 3212 3612 4012 4212 4412 5612</td>
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</tr>
<tr>
<td>2-8 1/8</td>
<td>2-8 1/8</td>
<td>27 3/8</td>
<td>6</td>
<td>1614 2014 2414 2614 2814 3014 3214 3614 4014 4214 4414 5614</td>
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</tr>
<tr>
<td>2-10 1/8</td>
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<td>29 3/8</td>
<td>6</td>
<td>1616 2016 2416 2616 2816 3016 3216 3616 4016 4216 4416 5616</td>
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</tr>
<tr>
<td>1-9 3/8</td>
<td>1-9 3/8</td>
<td>31 3/8</td>
<td>6</td>
<td>1618 2018 2418 2618 2818 3018 3218 3618 4018 4218 4418 5618</td>
<td></td>
</tr>
<tr>
<td>2-1 1/18</td>
<td>2-1 1/18</td>
<td>33 3/8</td>
<td>6</td>
<td>1620 2020 2420 2620 2820 3020 3220 3620 4020 4220 4420 5620</td>
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</tr>
<tr>
<td>2-3 1/18</td>
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<td>6</td>
<td>1622 2022 2422 2622 2822 3022 3222 3622 4022 4222 4422 5622</td>
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</tr>
<tr>
<td>2-5 1/18</td>
<td>2-5 1/18</td>
<td>37 3/8</td>
<td>6</td>
<td>1624 2024 2424 2624 2824 3024 3224 3624 4024 4224 4424 5624</td>
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</tr>
<tr>
<td>2-7 1/18</td>
<td>2-7 1/18</td>
<td>39 3/8</td>
<td>6</td>
<td>1626 2026 2426 2626 2826 3026 3226 3626 4026 4226 4426 5626</td>
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</tr>
<tr>
<td>2-9 1/18</td>
<td>2-9 1/18</td>
<td>41 3/8</td>
<td>6</td>
<td>1628 2028 2428 2628 2828 3028 3228 3628 4028 4228 4428 5628</td>
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</tr>
<tr>
<td>2-11 1/18</td>
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<td>43 3/8</td>
<td>6</td>
<td>1630 2030 2430 2630 2830 3030 3230 3630 4030 4230 4430 5630</td>
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</tr>
<tr>
<td>3-0 1/8</td>
<td>3-0 1/8</td>
<td>45 3/8</td>
<td>6</td>
<td>1632 2032 2432 2632 2832 3032 3232 3632 4032 4232 4432 5632</td>
<td></td>
</tr>
</tbody>
</table>

#### Other Grille Patterns

- **Prairie**: 
- **Diamond**: 
- **Plaza**: 

---

**Notes:**

- Clad Masonry Openings are for standard frame with no casing.
- Primed Masonry Openings are for standard 180 brickmold.
- Add 3/4" to unit width & 1/2" to unit height to calculate mas. opening.
- *Add additional 1 1/16" for bullnose sill
- Add additional 3 3/32" for belly sill

---

7/8/19
Pinnacle Series
SINGLE HUNG - ORIEL

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

<table>
<thead>
<tr>
<th>Frame Rough</th>
<th>Masonry Primed</th>
<th>Clad Masonry</th>
<th>Other Grille Patterns</th>
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</thead>
<tbody>
<tr>
<td>2-0 3/4</td>
<td>1-10 1/8</td>
<td>2-0 3/4</td>
<td>Prairie</td>
</tr>
<tr>
<td>2-4 3/4</td>
<td>2-2 1/8</td>
<td>2-4 3/4</td>
<td>Plaza</td>
</tr>
<tr>
<td>2-8 3/4</td>
<td>2-6 1/8</td>
<td>2-8 3/4</td>
<td>Diamond</td>
</tr>
<tr>
<td>3-0 3/4</td>
<td>2-10 1/8</td>
<td>3-0 3/4</td>
<td></td>
</tr>
<tr>
<td>3-4 3/4</td>
<td>2-1 3/8</td>
<td>3-4 3/4</td>
<td></td>
</tr>
</tbody>
</table>

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

PRAIRIE
PLAZA
DIAMOND

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 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 19/32" TO FRAME WIDTH
- ADD 1 9/16" TO FRAME HEIGHT*

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

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 5/8" TO FRAME WIDTH
- ADD 4 1/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 5/8" TO FRAME WIDTH
- ADD 5 1/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 1/8" TO FRAME WIDTH
- ADD 2 13/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 5/8" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

* ADD ADDITIONAL 15/16" FOR BULLNOSE SILL
ADD ADDITIONAL 1 1/32" FOR BELLY 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 WM-180 BRICKMOULD.
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS VERIFY LOCAL CODES.
### Pinnacle Series
#### SINGLE HUNG - SEGMENT TOP

**ELEVATIONS**

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

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-10 5/8</td>
<td>4-9 1/16</td>
<td>4-9 1/16</td>
<td>22-26</td>
</tr>
<tr>
<td>4-6 1/8</td>
<td>4-5 3/8</td>
<td>4-5 3/8</td>
<td></td>
</tr>
<tr>
<td>3-9 1/16</td>
<td>3-8 9/16</td>
<td>3-8 9/16</td>
<td></td>
</tr>
<tr>
<td>2-8 3/4</td>
<td>2-7 1/8</td>
<td>2-7 1/8</td>
<td></td>
</tr>
<tr>
<td>2-6 1/8</td>
<td>2-5 3/8</td>
<td>2-5 3/8</td>
<td></td>
</tr>
<tr>
<td>2-4 1/16</td>
<td>2-3 1/2</td>
<td>2-3 1/2</td>
<td></td>
</tr>
</tbody>
</table>

**NOTES:**

- **Clad Masonry Openings are for Standard Frame with No Casing.**
- **Primed Masonry Openings are for Standard 180 Brickmold.**
- **Shaded Sizes Meet Most Egress Requirements.** Verify Local Codes.

#### Glass Information

For Clad WM 180 Brickmold:
- Add 2 13/16" to frame width
- Add 1 3/4" to frame height*

For Clad WM 180 Solid Back Brickmold:
- 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

#### Prime Unit Size Information

For Primed WM 180:
- Add 2 19/32" to frame width
- Add 1 9/16" to frame height*

For Primed 3 1/2" Flat Casing:
- Add 5 5/8" to frame width
- Add 3 1/16" to frame height*

For Primed 4 1/2" Backbend:
- Add 7 5/8" to frame width
- Add 4 1/16" to frame height*

For Primed 5 1/2" Flat Casing:
- Add 9 5/8" to frame width
- Add 5 1/16" to frame height*

For Primed Williamsburg:
- Add 5 1/8" to frame width
- Add 2 13/16" to frame height*

For Primed Plantation:
- Add 5 5/8" to frame width
- Add 5 15/16" to frame height*

* Add Additional 15/16" for Bullnose Sill
Add Additional 1 1/32" for Belly 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 Brickmold.
- Shaded Sizes Meet Most Egress Requirements. Verify Local Codes.

7/8/19
### Pinnacle Series
**SINGLE HUNG - SEGMENT TOP**

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

<table>
<thead>
<tr>
<th>Frame</th>
<th>Rough Opg.</th>
<th>Masonry Opg. Clad</th>
<th>Masonry Opg. Primed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

#### PRIME UNIT SIZE INFORMATION
- **FOR PRIMED WM-180**
  - ADD 2 19/32" TO FRAME WIDTH
  - ADD 1 9/16" TO FRAME HEIGHT*

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

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

- **FOR PRIMED 5 1/2" FLAT CASING**
  - ADD 9 5/8" TO FRAME WIDTH
  - ADD 5 1/16" TO FRAME HEIGHT*

- **FOR PRIMED WILLIAMSBURG**
  - ADD 5 1/8" TO FRAME WIDTH
  - ADD 2 13/16" TO FRAME HEIGHT*

- **FOR PRIMED PLANTATION**
  - ADD 5 5/8" TO FRAME WIDTH
  - ADD 5 15/16" TO FRAME HEIGHT*

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

**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 BRICKMOLD.
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS VERIFY LOCAL CODES.
Pinnacle Series

SINGLE HUNG - ROUND TOP

ELEVATIONS

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

**NOTES:**
- CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING.
- PRIMED MASONRY OPENINGS ARE FOR STANDARD 1 1/2" FLAT CASING.
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS VERIFY LOCAL CODES.

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

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

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

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

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

FOR PRIMED WILLIAMSBURG
- ADD 1 1/2" TO FRAME WIDTH
- ADD 1 1/2" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 1/2" TO FRAME WIDTH
- ADD 5 1/2" TO FRAME HEIGHT*

* ADD ADDITIONAL 3/4" FOR 1" CLAD SUBSILL
* ADD ADDITIONAL 1 1/8" FOR 2" CLAD SUBSILL

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

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

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

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

FOR PRIMED WILLIAMSBURG
- ADD 1 1/2" TO FRAME WIDTH
- ADD 1 1/2" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 1/2" TO FRAME WIDTH
- ADD 5 1/2" TO FRAME HEIGHT*

* ADD ADDITIONAL 3/4" FOR BULLNOSE SILL
* ADD ADDITIONAL 1 1/8" FOR BELLY 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 1 1/2" FLAT CASING.
- SHADED SIZES MEET MOST EGRESS REQUIREMENTS VERIFY LOCAL CODES.
Pinnacle Series
SINGLE HUNG - ROUND TOP

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

Frame
Rough Opg.
Mas. Opg. Clad
Mas. Opg. Primed

24
28
32

2-8 3/4
2-6 1/8
2-6 1/8
2-5 3/8
2438*
2838*
3238*

2-6 7/8
2-7 3/8
2-7 3/8
2-8 15/16
2440*
2840*
3240*

2-8 1/8
2-7 1/8
2-7 1/8
2-8 3/4
2442*
2842*
3242*

2-9 3/8
2-9 3/8
2-9 3/8
2-10 1/8
2444*
2844*
3244*

2-10 1/8
2-10 1/8
2-10 1/8
2-10 3/8
2446*
2846*
3246*

2-10 7/8
2-11 3/8
2-11 3/8
2-12 15/16
2448*
2848*
3248*

FOR PRIMED WM-180
- ADD 2 19/32" TO FRAME WIDTH
- ADD 1 9/16" TO FRAME HEIGHT*

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

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 5/8" TO FRAME WIDTH
- ADD 4 1/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 5/8" TO FRAME WIDTH
- ADD 5 1/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 1/8" TO FRAME WIDTH
- ADD 2 13/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 5/8" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

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

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

CLAD UNIT SIZE INFORMATION

FOR PRIMED WM-180
- ADD 2 19/32" TO FRAME WIDTH
- ADD 1 9/16" TO FRAME HEIGHT*

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

FOR PRIMED 4 1/2" BACKBAND
- ADD 7 5/8" TO FRAME WIDTH
- ADD 4 1/16" TO FRAME HEIGHT*

FOR PRIMED 5 1/2" FLAT CASING
- ADD 9 5/8" TO FRAME WIDTH
- ADD 5 1/16" TO FRAME HEIGHT*

FOR PRIMED WILLIAMSBURG
- ADD 5 1/8" TO FRAME WIDTH
- ADD 2 13/16" TO FRAME HEIGHT*

FOR PRIMED PLANTATION
- ADD 5 5/8" TO FRAME WIDTH
- ADD 5 15/16" TO FRAME HEIGHT*

* ADD ADDITIONAL 15/16" FOR BULLNOSE SILL
ADD ADDITIONAL 1 1/2" FOR BELLY SILL

NOTE:
ADD 3/4" TO UNIT WIDTH & 1 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 BRICKMOLD.
SHADED SIZES MEET MOST EGRESS REQUIREMENTS VERIFY LOCAL CODES.

7/8/19