

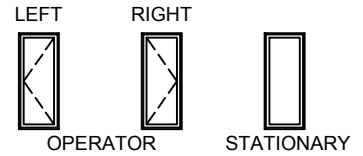
# Pinnacle Series

## CASEMENT - 14" WIDE

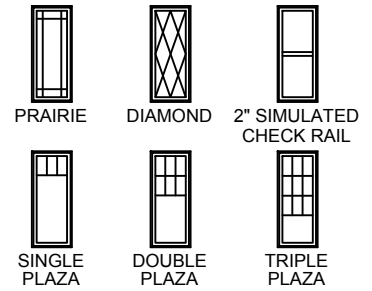
ELEVATIONS : OPERATING / STATIONARY / PICTURE  
SCALE: 1/8" = 1'-0"

|           | 1-9 9/16 | 3-3 9/16 | 4-9 9/16 | 6-3 9/16 |
|-----------|----------|----------|----------|----------|
|           | 1-6 3/4  | 3-0 3/4  | 4-6 3/4  | 6-0 3/4  |
|           | 1-6 3/4  | 3-0 3/4  | 4-6 3/4  | 6-0 3/4  |
|           | 1-6 3/4  | 3-0 3/4  | 4-6 3/4  | 6-0 3/4  |
|           | 1-6      | 3-0      | 4-6      | 6-0      |
|           | 14       | 14       | 14       | 14       |
|           |          |          |          |          |
| 2-2 15/16 |          |          |          |          |
| 2-0 1/2   | 1420     | 1420-2   | 1420-3   | 1420-4   |
| 2-1 1/4   |          |          |          |          |
| 2-0 1/2   |          |          |          |          |
| 2-0       |          |          |          |          |
| 20        |          |          |          |          |
|           |          |          |          |          |
| 2-8 15/16 |          |          |          |          |
| 2-6 1/2   | 1426     | 1426-2   | 1426-3   | 1426-4   |
| 2-7 1/4   |          |          |          |          |
| 2-6 1/2   |          |          |          |          |
| 2-6       |          |          |          |          |
| 26        |          |          |          |          |
|           |          |          |          |          |
| 3-2 15/16 |          |          |          |          |
| 3-0 1/2   | 1432     | 1432-2   | 1432-3   | 1432-4   |
| 3-1 1/4   |          |          |          |          |
| 3-0 1/2   |          |          |          |          |
| 3-0       |          |          |          |          |
| 32        |          |          |          |          |
|           |          |          |          |          |
| 3-8 15/16 |          |          |          |          |
| 3-6 1/2   | 1438     | 1438-2   | 1438-3   | 1438-4   |
| 3-7 1/4   |          |          |          |          |
| 3-6 1/2   |          |          |          |          |
| 3-6       |          |          |          |          |
| 38        |          |          |          |          |
|           |          |          |          |          |
| 4-2 15/16 |          |          |          |          |
| 4-0 1/2   | 1444     | 1444-2   | 1444-3   | 1444-4   |
| 4-1 1/4   |          |          |          |          |
| 4-0 1/2   |          |          |          |          |
| 4-0       |          |          |          |          |
| 44        |          |          |          |          |
|           |          |          |          |          |
| 4-8 15/16 |          |          |          |          |
| 4-6 1/2   | 1450     | 1450-2   | 1450-3   | 1450-4   |
| 4-7 1/4   |          |          |          |          |
| 4-6 1/2   |          |          |          |          |
| 4-6       |          |          |          |          |
| 50        |          |          |          |          |
|           |          |          |          |          |
| 5-2 15/16 |          |          |          |          |
| 5-0 1/2   | 1456     | 1456-2   | 1456-3   | 1456-4   |
| 5-1 1/4   |          |          |          |          |
| 5-0 1/2   |          |          |          |          |
| 5-0       |          |          |          |          |
| 56        |          |          |          |          |
|           |          |          |          |          |
| 5-8 15/16 |          |          |          |          |
| 5-6 1/2   | 1462     | 1462-2   | 1462-3   | 1462-4   |
| 5-7 1/4   |          |          |          |          |
| 5-6 1/2   |          |          |          |          |
| 5-6       |          |          |          |          |
| 62        |          |          |          |          |

### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

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

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

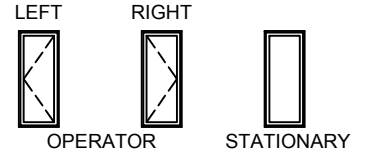
# Pinnacle Series

## CASEMENT - 14" WIDE

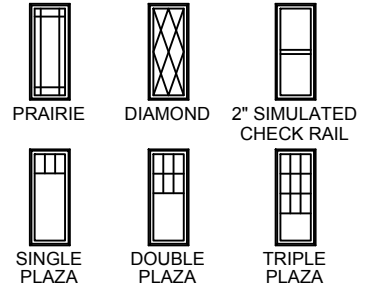
ELEVATIONS : OPERATING / STATIONARY / PICTURE  
 SCALE: 1/8" = 1'-0"

|           | Mas. Opg. Clad<br>Rough Opg. Clad<br>Frame<br>Glass | 1-6 3/4 | 3-0 3/4 | 4-6 3/4 | 6-0 3/4 |
|-----------|---|---------|---------|---------|---------|
| 6-2 15/16 |   | 1-6 3/4 | 3-0 3/4 | 4-6 3/4 | 6-0 3/4 |
| 6-0 1/2   |   | 1-6     | 3-0     | 4-6     | 6-0     |
| 6-1 1/4   |   | 14      | 14      | 14      | 14      |
| 6-0 1/2   |   |         |         |         |         |
| 6-0       |   |         |         |         |         |
| 68        |   |         |         |         |         |
|           |   |         |         |         |         |
|           |   | 1468    | 1468-2  | 1468-3  | 1468-4  |
| 6-8 15/16 |   |         |         |         |         |
| 6-6 1/2   |   |         |         |         |         |
| 6-7 1/4   |   |         |         |         |         |
| 6-6 1/2   |   |         |         |         |         |
| 6-6       |   |         |         |         |         |
| 74        |   |         |         |         |         |
|           |   |         |         |         |         |
|           |   | 1474    | 1474-2  | 1474-3  | 1474-4  |
| NA        |   |         |         |         |         |
| 7-0 1/2   |   |         |         |         |         |
| NA        |   |         |         |         |         |
| 7-0 1/2   |   |         |         |         |         |
| 7-0       |   |         |         |         |         |
| 80        |   |         |         |         |         |
|           |   |         |         |         |         |
|           |   | 1480    | 1480-2  | 1480-3  | 1480-4  |

### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

- FOR CLAD BRICKMOULD**
  - ▣ ADD 2 13/16" TO FRAME WIDTH
  - ▣ ADD 1 3/4" 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:  
 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

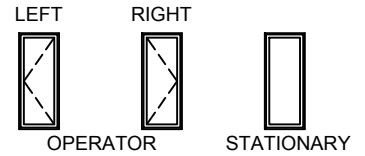
# Pinnacle Series

## CASEMENT - 16" WIDE

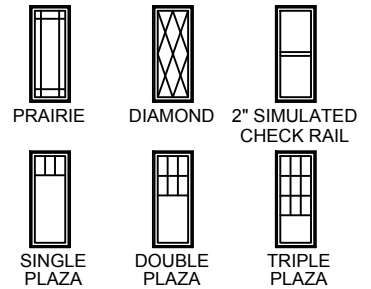
ELEVATIONS : OPERATING / STATIONARY / PICTURE  
 SCALE: 1/8" = 1'-0"

|           | Mas. Opg. Primed | Mas. Opg. Clad | Rough Opg. Primed | Rough Opg. Clad | Frame | Glass | 1-11 9/16 | 3-7 9/16 | 5-3 9/16 | 6-11 9/16 |
|-----------|------------------|----------------|-------------------|-----------------|-------|-------|-----------|----------|----------|-----------|
| 2-2 15/16 | 2-0 1/2          | 2-1 1/4        | 2-0 1/2           | 2-0             | 20    |       | 1620      | 1620-2   | 1620-3   | 1620-4    |
| 2-8 15/16 | 2-6 1/2          | 2-7 1/4        | 2-6 1/2           | 2-6             | 26    |       | 1626      | 1626-2   | 1626-3   | 1626-4    |
| 3-2 15/16 | 3-0 1/2          | 3-1 1/4        | 3-0 1/2           | 3-0             | 32    |       | 1632      | 1632-2   | 1632-3   | 1632-4    |
| 3-8 15/16 | 3-6 1/2          | 3-7 1/4        | 3-6 1/2           | 3-6             | 38    |       | 1638      | 1638-2   | 1638-3   | 1638-4    |
| 4-2 15/16 | 4-0 1/2          | 4-1 1/4        | 4-0 1/2           | 4-0             | 44    |       | 1644      | 1644-2   | 1644-3   | 1644-4    |
| 4-8 15/16 | 4-6 1/2          | 4-7 1/4        | 4-6 1/2           | 4-6             | 50    |       | 1650      | 1650-2   | 1650-3   | 1650-4    |
| 5-2 15/16 | 5-0 1/2          | 5-1 1/4        | 5-0 1/2           | 5-0             | 56    |       | 1656      | 1656-2   | 1656-3   | 1656-4    |
| 5-8 15/16 | 5-6 1/2          | 5-7 1/4        | 5-6 1/2           | 5-6             | 62    |       | 1662      | 1662-2   | 1662-3   | 1662-4    |

### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

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

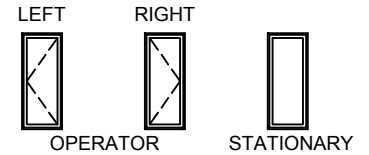
# Pinnacle Series

## CASEMENT - 16" WIDE

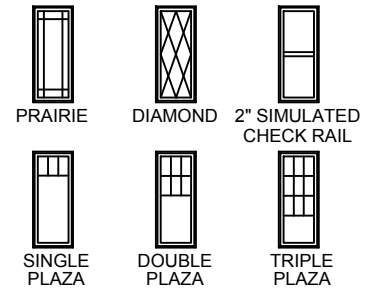
ELEVATIONS : OPERATING / STATIONARY / PICTURE  
 SCALE: 1/8" = 1'-0"

|           | Mas. Opg. Clad  | 1-8 3/4 | 3-4 3/4 | 5-0 3/4 | 6-8 3/4 |
|-----------|-----------------|---------|---------|---------|---------|
|           | Rough Opg. Clad | 1-8 3/4 | 3-4 3/4 | 5-0 3/4 | 6-8 3/4 |
|           | Frame           | 1-8     | 3-4     | 5-0     | 6-8     |
|           | Glass           | 16      | 16      | 16      | 16      |
| 6-2 15/16 |                 |         |         |         |         |
| 6-0 1/2   |                 | 1668    | 1668-2  | 1668-3  | 1668-4  |
| 6-1 1/4   |                 |         |         |         |         |
| 6-0 1/2   |                 |         |         |         |         |
| 6-0       |                 |         |         |         |         |
| 68        |                 |         |         |         |         |
| 6-8 15/16 |                 |         |         |         |         |
| 6-6 1/2   |                 | 1674    | 1674-2  | 1674-3  | 1674-4  |
| 6-7 1/4   |                 |         |         |         |         |
| 6-6 1/2   |                 |         |         |         |         |
| 6-6       |                 |         |         |         |         |
| 74        |                 |         |         |         |         |
| NA        |                 |         |         |         |         |
| 7-0 1/2   |                 | 1680    | 1680-2  | 1680-3  | 1680-4  |
| NA        |                 |         |         |         |         |
| 7-0 1/2   |                 |         |         |         |         |
| 7-0       |                 |         |         |         |         |
| 80        |                 |         |         |         |         |

### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

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

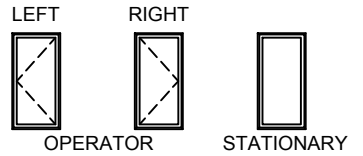
# Pinnacle Series

## CASEMENT - 20" WIDE

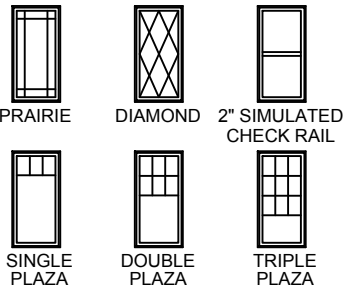
ELEVATIONS : OPERATING / STATIONARY / PICTURE  
SCALE: 1/8" = 1'-0"

|  | 2-3 9/16 | 4-3 3/4 | 6-3 9/16 | 8-3 9/16 |
|--|----------|---------|----------|----------|
| <i>Mas. Opp. Primed</i><br><i>Mas. Opp. Clad</i><br><i>Rough Opp. Primed</i><br><i>Rough Opp. Clad</i> | 2-0 3/4  | 4-0 3/4 | 6-0 3/4  | 8-0 3/4  |
|  | 2-0 3/4  | 4-0 3/4 | 6-0 3/4  | 8-0 3/4  |
|  | 2-0 3/4  | 4-0 3/4 | 6-0 3/4  | 8-0 3/4  |
|  | 2-0      | 4-0     | 6-0      | 8-0      |
| <i>Frame</i><br><i>Glass</i>   | 20       | 20      | 20       | 20       |
| 2-2 15/16  |          |         |          |          |
| 2-0 1/2  | 2020     | 2020-2  | 2020-3   | 2020-4   |
| 2-1 1/4  |          |         |          |          |
| 2-0 1/2  |          |         |          |          |
| 2-0  |          |         |          |          |
| 20   |          |         |          |          |
| 2-8 15/16  |          |         |          |          |
| 2-6 1/2  | 2026     | 2026-2  | 2026-3   | 2026-4   |
| 2-7 1/4  |          |         |          |          |
| 2-6 1/2  |          |         |          |          |
| 2-6  |          |         |          |          |
| 26   |          |         |          |          |
| 3-2 15/16  |          |         |          |          |
| 3-0 1/2  | 2032     | 2032-2  | 2032-3   | 2032-4   |
| 3-1 1/4  |          |         |          |          |
| 3-0 1/2  |          |         |          |          |
| 3-0  |          |         |          |          |
| 32   |          |         |          |          |
| 3-8 15/16  |          |         |          |          |
| 3-6 1/2  | 2038     | 2038-2  | 2038-3   | 2038-4   |
| 3-7 1/4  |          |         |          |          |
| 3-6 1/2  |          |         |          |          |
| 3-6  |          |         |          |          |
| 38   |          |         |          |          |
| 4-2 15/16  |          |         |          |          |
| 4-0 1/2  | 2044     | 2044-2  | 2044-3   | 2044-4   |
| 4-1 1/4  |          |         |          |          |
| 4-0 1/2  |          |         |          |          |
| 4-0  |          |         |          |          |
| 44   |          |         |          |          |
| 4-8 15/16  |          |         |          |          |
| 4-6 1/2  | 2050     | 2050-2  | 2050-3   | 2050-4   |
| 4-7 1/4  |          |         |          |          |
| 4-6 1/2  |          |         |          |          |
| 4-6  |          |         |          |          |
| 50   |          |         |          |          |
| 5-2 15/16  |          |         |          |          |
| 5-0 1/2  | 2056     | 2056-2  | 2056-3   | 2056-4   |
| 5-1 1/4  |          |         |          |          |
| 5-0 1/2  |          |         |          |          |
| 5-0  |          |         |          |          |
| 56   |          |         |          |          |
| 5-8 15/16  |          |         |          |          |
| 5-6 1/2  | 2062     | 2062-2  | 2062-3   | 2062-4   |
| 5-7 1/4  |          |         |          |          |
| 5-6 1/2  |          |         |          |          |
| 5-6  |          |         |          |          |
| 62   |          |         |          |          |

### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

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

# Pinnacle Series

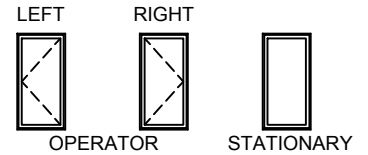
## CASEMENT - 20" WIDE

ELEVATIONS : OPERATING / STATIONARY / PICTURE

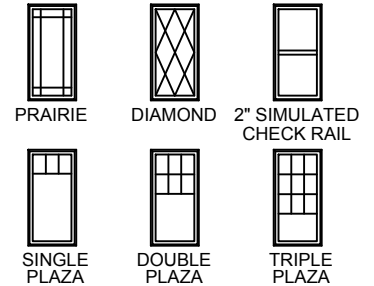
SCALE: 1/8" = 1'-0"

|                   | 2-3 9/16 | 4-3 9/16 | 6-3 9/16 | 8-3 9/16 |
|-------------------|----------|----------|----------|----------|
| Mas. Opp. Primed  | 2-0 3/4  | 4-0 3/4  | 6-0 3/4  | 8-0 3/4  |
| Mas. Opp. Clad    | 2-0 3/4  | 4-0 3/4  | 6-0 3/4  | 8-0 3/4  |
| Rough Opp. Primed | 2-0 3/4  | 4-0 3/4  | 6-0 3/4  | 8-0 3/4  |
| Rough Opp. Clad   | 2-0      | 4-0      | 6-0      | 8-0      |
| Frame             | 20       | 20       | 20       | 20       |
| Glass             |          |          |          |          |
| 6-2 15/16         |          |          |          |          |
| 6-0 1/2           | 2068     | 2068-2   | 2068-3   | 2068-4   |
| 6-1 1/4           |          |          |          |          |
| 6-0 1/2           |          |          |          |          |
| 6-0               |          |          |          |          |
| 68                |          |          |          |          |
| 6-8 15/16         |          |          |          |          |
| 6-6 1/2           | 2074     | 2074-2   | 2074-3   | 2074-4   |
| 6-7 1/4           |          |          |          |          |
| 6-6 1/2           |          |          |          |          |
| 6-6               |          |          |          |          |
| 74                |          |          |          |          |
| NA                |          |          |          |          |
| 7-0 1/2           | 2080     | 2080-2   | 2080-3   | 2080-4   |
| NA                |          |          |          |          |
| 7-0 1/2           |          |          |          |          |
| 7-0               |          |          |          |          |
| 80                |          |          |          |          |

### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

- FOR CLAD BRICKMOULD**
  - ▣ ADD 2 13/16" TO FRAME WIDTH
  - ▣ ADD 1 3/4" 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:  
 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

# Pinnacle Series

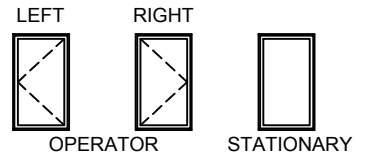
## CASEMENT - 24" WIDE

ELEVATIONS : OPERATING / STATIONARY / PICTURE

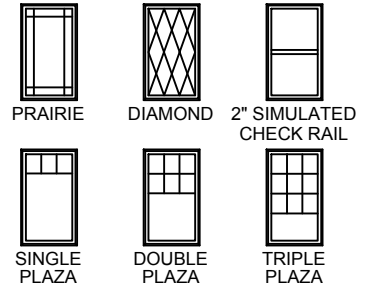
SCALE: 1/8" = 1'-0"

|  | 2-7 9/16 | 4-11 9/16 | 7-3 9/16 | 9-7 9/16 |
|--|----------|-----------|----------|----------|
| Mas. Opg. Primed<br>Mas. Opg. Clad<br>Rough Opg. Primed<br>Rough Opg. Clad<br>Frame<br>Glass | 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
|  | 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
|  | 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
|  | 2-4      | 4-8       | 7-0      | 9-4      |
|  | 24       | 24        | 24       | 24       |
| 2-2 15/16  |          |           |          |          |
| 2-0 1/2  | 2420     | 2420-2    | 2420-3   | 2420-4   |
| 2-1 1/4  |          |           |          |          |
| 2-0 1/2  |          |           |          |          |
| 2-0  |          |           |          |          |
| 20   |          |           |          |          |
| 2-8 15/16  |          |           |          |          |
| 2-6 1/2  | 2426     | 2426-2    | 2426-3   | 2426-4   |
| 2-7 1/4  |          |           |          |          |
| 2-6 1/2  |          |           |          |          |
| 2-6  |          |           |          |          |
| 26   |          |           |          |          |
| 3-2 15/16  |          |           |          |          |
| 3-0 1/2  | 2432     | 2432-2    | 2432-3   | 2432-4   |
| 3-1 1/4  |          |           |          |          |
| 3-0 1/2  |          |           |          |          |
| 3-0  |          |           |          |          |
| 32   |          |           |          |          |
| 3-8 15/16  |          |           |          |          |
| 3-6 1/2  | 2438     | 2438-2    | 2438-3   | 2438-4   |
| 3-7 1/4  |          |           |          |          |
| 3-6 1/2  |          |           |          |          |
| 3-6  |          |           |          |          |
| 38   |          |           |          |          |
| 4-2 15/16  |          |           |          |          |
| 4-0 1/2  | 2444*    | 2444-2    | 2444-3   | 2444-4   |
| 4-1 1/4  |          |           |          |          |
| 4-0 1/2  |          |           |          |          |
| 4-0  |          |           |          |          |
| 44   |          |           |          |          |
| 4-8 15/16  |          |           |          |          |
| 4-6 1/2  | 2450*    | 2450-2    | 2450-3   | 2450-4   |
| 4-7 1/4  |          |           |          |          |
| 4-6 1/2  |          |           |          |          |
| 4-6  |          |           |          |          |
| 50   |          |           |          |          |
| 5-2 15/16  |          |           |          |          |
| 5-0 1/2  | 2456*    | 2456-2    | 2456-3   | 2456-4   |
| 5-1 1/4  |          |           |          |          |
| 5-0 1/2  |          |           |          |          |
| 5-0  |          |           |          |          |
| 56   |          |           |          |          |
| 5-8 15/16  |          |           |          |          |
| 5-6 1/2  | 2462*    | 2462-2    | 2462-3   | 2462-4   |
| 5-7 1/4  |          |           |          |          |
| 5-6 1/2  |          |           |          |          |
| 5-6  |          |           |          |          |
| 62   |          |           |          |          |

### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

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

- \* ADD 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

### 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"

|                   | 2-7 9/16 | 4-11 9/16 | 7-3 9/16 | 9-7 9/16 |
|-------------------|----------|-----------|----------|----------|
| Mas. Opp. Primed  | 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
| Mas. Opp. Clad    | 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
| Rough Opp. Primed | 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
| Rough Opp. Clad   | 2-4      | 4-8       | 7-0      | 9-4      |
| Frame             | 24       | 24        | 24       | 24       |
| Glass             | 24       | 24        | 24       | 24       |

|           |       |        |        |        |
|-----------|-------|--------|--------|--------|
| 6-2 15/16 |       |        |        |        |
| 6-0 1/2   | 2468* | 2468-2 | 2468-3 | 2468-4 |
| 6-1 1/4   |       |        |        |        |
| 6-0 1/2   |       |        |        |        |
| 6-0       |       |        |        |        |
| 68        |       |        |        |        |

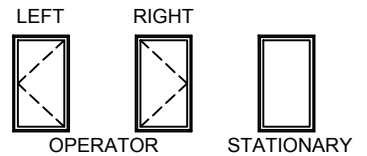
  

|           |       |        |        |        |
|-----------|-------|--------|--------|--------|
| 6-8 15/16 |       |        |        |        |
| 6-6 1/2   | 2474* | 2474-2 | 2474-3 | 2474-4 |
| 6-7 1/4   |       |        |        |        |
| 6-6 1/2   |       |        |        |        |
| 6-6       |       |        |        |        |
| 74        |       |        |        |        |

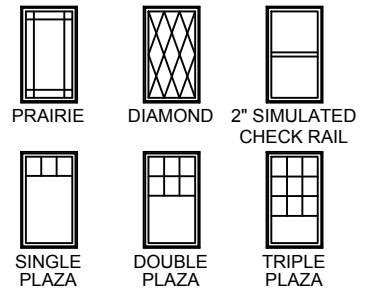
  

|         |       |        |        |        |
|---------|-------|--------|--------|--------|
| NA      |       |        |        |        |
| 7-0 1/2 | 2480* | 2480-2 | 2480-3 | 2480-4 |
| NA      |       |        |        |        |
| 7-0 1/2 |       |        |        |        |
| 7-0     |       |        |        |        |
| 80      |       |        |        |        |

### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

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

### NOTE:

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



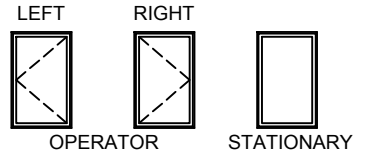
# Pinnacle Series

## CASEMENT - 26" WIDE

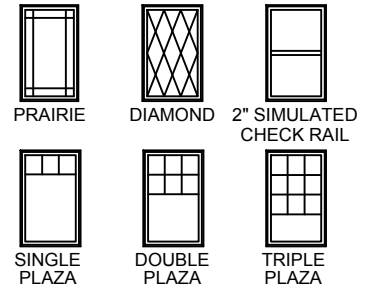
ELEVATIONS : OPERATING / STATIONARY / PICTURE  
 SCALE: 1/8" = 1'-0"

|                   | 2-9 9/16 | 5-3 9/16 | 7-9 9/16 | 10-3 9/16 |
|-------------------|----------|----------|----------|-----------|
| Mas. Opg. Primed  | 2-6 3/4  | 5-0 3/4  | 7-6 3/4  | 10-0 3/4  |
| Mas. Opg. Clad    | 2-6 3/4  | 5-0 3/4  | 7-6 3/4  | 10-0 3/4  |
| Rough Opg. Primed | 2-6 3/4  | 5-0 3/4  | 7-6 3/4  | 10-0 3/4  |
| Rough Opg. Clad   | 2-6      | 5-0      | 7-6      | 10-0      |
| Frame             | 26       | 26       | 26       | 26        |
| Glass             |          |          |          |           |
| 2-2 15/16         |          |          |          |           |
| 2-0 1/2           | 2620     | 2620-2   | 2620-3   | 2620-4    |
| 2-1 1/4           |          |          |          |           |
| 2-0 1/2           |          |          |          |           |
| 2-0               |          |          |          |           |
| 20                |          |          |          |           |
| 2-8 15/16         |          |          |          |           |
| 2-6 1/2           | 2626     | 2626-2   | 2626-3   | 2626-4    |
| 2-7 1/4           |          |          |          |           |
| 2-6 1/2           |          |          |          |           |
| 2-6               |          |          |          |           |
| 26                |          |          |          |           |
| 3-2 15/16         |          |          |          |           |
| 3-0 1/2           | 2632     | 2632-2   | 2632-3   | 2632-4    |
| 3-1 1/4           |          |          |          |           |
| 3-0 1/2           |          |          |          |           |
| 3-0               |          |          |          |           |
| 32                |          |          |          |           |
| 3-8 15/16         |          |          |          |           |
| 3-6 1/2           | 2638*    | 2638-2   | 2638-3   | 2638-4    |
| 3-7 1/4           |          |          |          |           |
| 3-6 1/2           |          |          |          |           |
| 3-6               |          |          |          |           |
| 38                |          |          |          |           |
| 4-2 15/16         |          |          |          |           |
| 4-0 1/2           | 2644     | 2644-2   | 2644-3   | 2644-4    |
| 4-1 1/4           |          |          |          |           |
| 4-0 1/2           |          |          |          |           |
| 4-0               |          |          |          |           |
| 44                |          |          |          |           |
| 4-8 15/16         |          |          |          |           |
| 4-6 1/2           | 2650     | 2650-2   | 2650-3   | 2650-4    |
| 4-7 1/4           |          |          |          |           |
| 4-6 1/2           |          |          |          |           |
| 4-6               |          |          |          |           |
| 50                |          |          |          |           |
| 5-2 15/16         |          |          |          |           |
| 5-0 1/2           | 2656     | 2656-2   | 2656-3   | 2656-4    |
| 5-1 1/4           |          |          |          |           |
| 5-0 1/2           |          |          |          |           |
| 5-0               |          |          |          |           |
| 56                |          |          |          |           |
| 5-8 15/16         |          |          |          |           |
| 5-6 1/2           | 2662     | 2662-2   | 2662-3   | 2662-4    |
| 5-7 1/4           |          |          |          |           |
| 5-6 1/2           |          |          |          |           |
| 5-6               |          |          |          |           |
| 62                |          |          |          |           |

### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

- FOR CLAD BRICKMOULD**
- ADD 2 13/16" TO FRAME WIDTH
  - ADD 1 3/4" 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  
 NOTE:  
 ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT  
 TO CALCULATE MASONRY OPENING

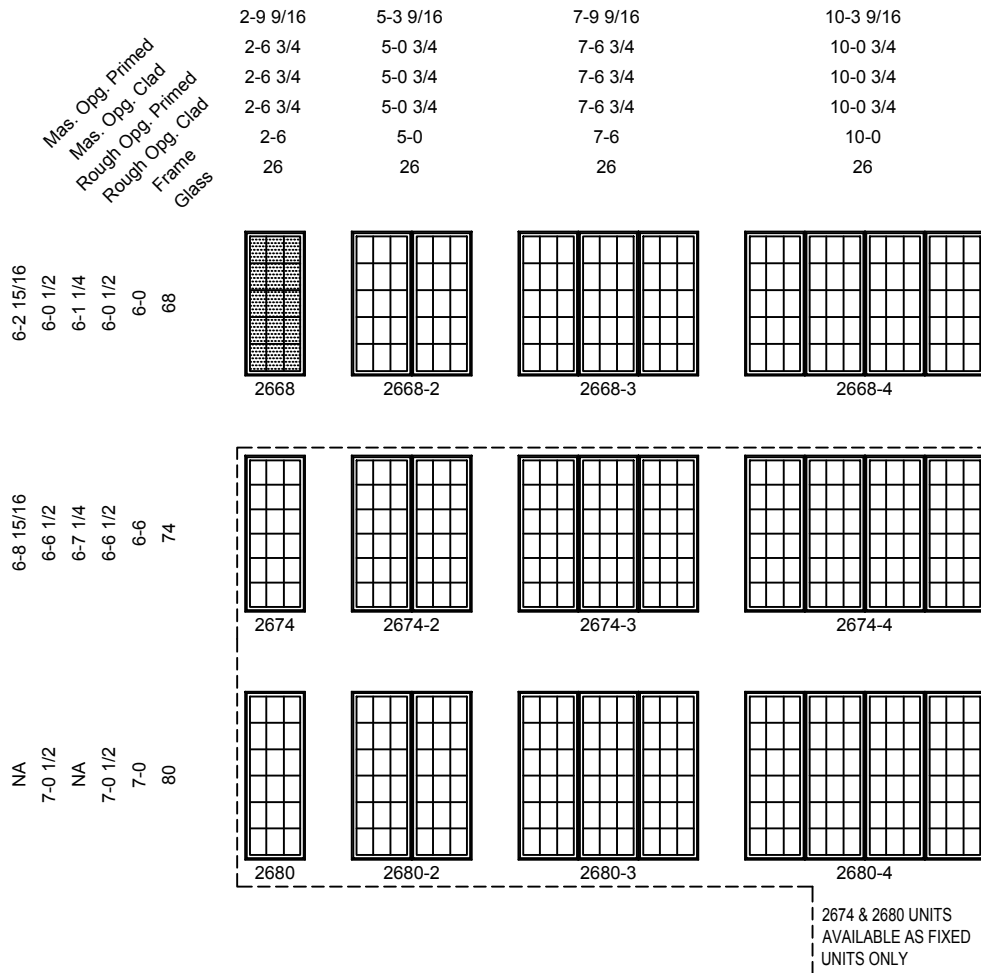
NOTES:  
 \* REQUIRES EGRESS HARDWARE TO MEET EGRESS REQUIREMENTS  
 CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING  
 PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD  
 SHADED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES

# Pinnacle Series

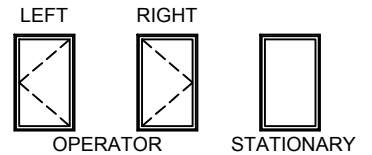
## CASEMENT - 26" WIDE

ELEVATIONS : OPERATING / STATIONARY / PICTURE

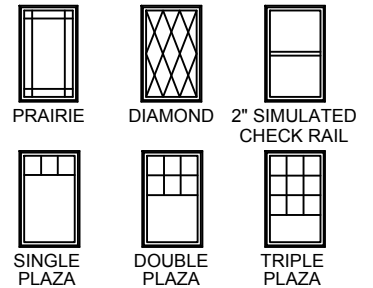
SCALE: 1/8" = 1'-0"



### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

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

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 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

# Pinnacle Series

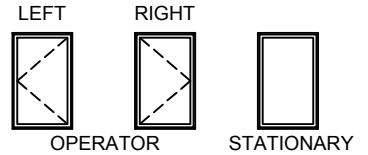
## CASEMENT - 28" WIDE

ELEVATIONS : OPERATING / STATIONARY / PICTURE

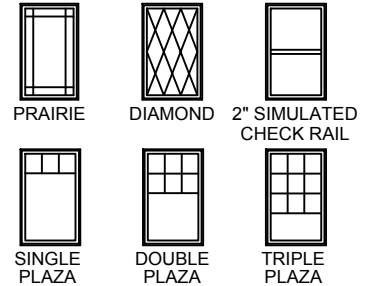
SCALE: 1/8" = 1'-0"

|                   | 2-11 9/16 | 5-7 9/16 | 8-3 9/16 | 10-11 9/16 |
|-------------------|-----------|----------|----------|------------|
| Mas. Opg. Primed  | 2-8 3/4   | 5-4 3/4  | 8-0 3/4  | 10-8 3/4   |
| Mas. Opg. Clad    | 2-8 3/4   | 5-4 3/4  | 8-0 3/4  | 10-8 3/4   |
| Rough Opg. Primed | 2-8 3/4   | 5-4 3/4  | 8-0 3/4  | 10-8 3/4   |
| Rough Opg. Clad   | 2-8       | 5-4      | 8-0      | 10-8       |
| Frame             | 28        | 28       | 28       | 28         |
| Glass             |           |          |          |            |
| 2-2 15/16         |           |          |          |            |
| 2-0 1/2           | 2820      | 2820-2   | 2820-3   | 2820-4     |
| 2-1 1/4           |           |          |          |            |
| 2-0 1/2           |           |          |          |            |
| 2-0               |           |          |          |            |
| 20                |           |          |          |            |
| 2-8 15/16         |           |          |          |            |
| 2-6 1/2           | 2826      | 2826-2   | 2826-3   | 2826-4     |
| 2-7 1/4           |           |          |          |            |
| 2-6 1/2           |           |          |          |            |
| 2-6               |           |          |          |            |
| 26                |           |          |          |            |
| 3-2 15/16         |           |          |          |            |
| 3-0 1/2           | 2832      | 2832-2   | 2832-3   | 2832-4     |
| 3-1 1/4           |           |          |          |            |
| 3-0 1/2           |           |          |          |            |
| 3-0               |           |          |          |            |
| 32                |           |          |          |            |
| 3-8 15/16         |           |          |          |            |
| 3-6 1/2           | 2838      | 2838-2   | 2838-3   | 2838-4     |
| 3-7 1/4           |           |          |          |            |
| 3-6 1/2           |           |          |          |            |
| 3-6               |           |          |          |            |
| 38                |           |          |          |            |
| 4-2 15/16         |           |          |          |            |
| 4-0 1/2           | 2844      | 2844-2   | 2844-3   | 2844-4     |
| 4-1 1/4           |           |          |          |            |
| 4-0 1/2           |           |          |          |            |
| 4-0               |           |          |          |            |
| 44                |           |          |          |            |
| 4-8 15/16         |           |          |          |            |
| 4-6 1/2           | 2850      | 2850-2   | 2850-3   | 2850-4     |
| 4-7 1/4           |           |          |          |            |
| 4-6 1/2           |           |          |          |            |
| 4-6               |           |          |          |            |
| 50                |           |          |          |            |
| 5-2 15/16         |           |          |          |            |
| 5-0 1/2           | 2856      | 2856-2   | 2856-3   | 2856-4     |
| 5-1 1/4           |           |          |          |            |
| 5-0 1/2           |           |          |          |            |
| 5-0               |           |          |          |            |
| 56                |           |          |          |            |
| 5-8 15/16         |           |          |          |            |
| 5-6 1/2           | 2862      | 2862-2   | 2862-3   | 2862-4     |
| 5-7 1/4           |           |          |          |            |
| 5-6 1/2           |           |          |          |            |
| 5-6               |           |          |          |            |
| 62                |           |          |          |            |

### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

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

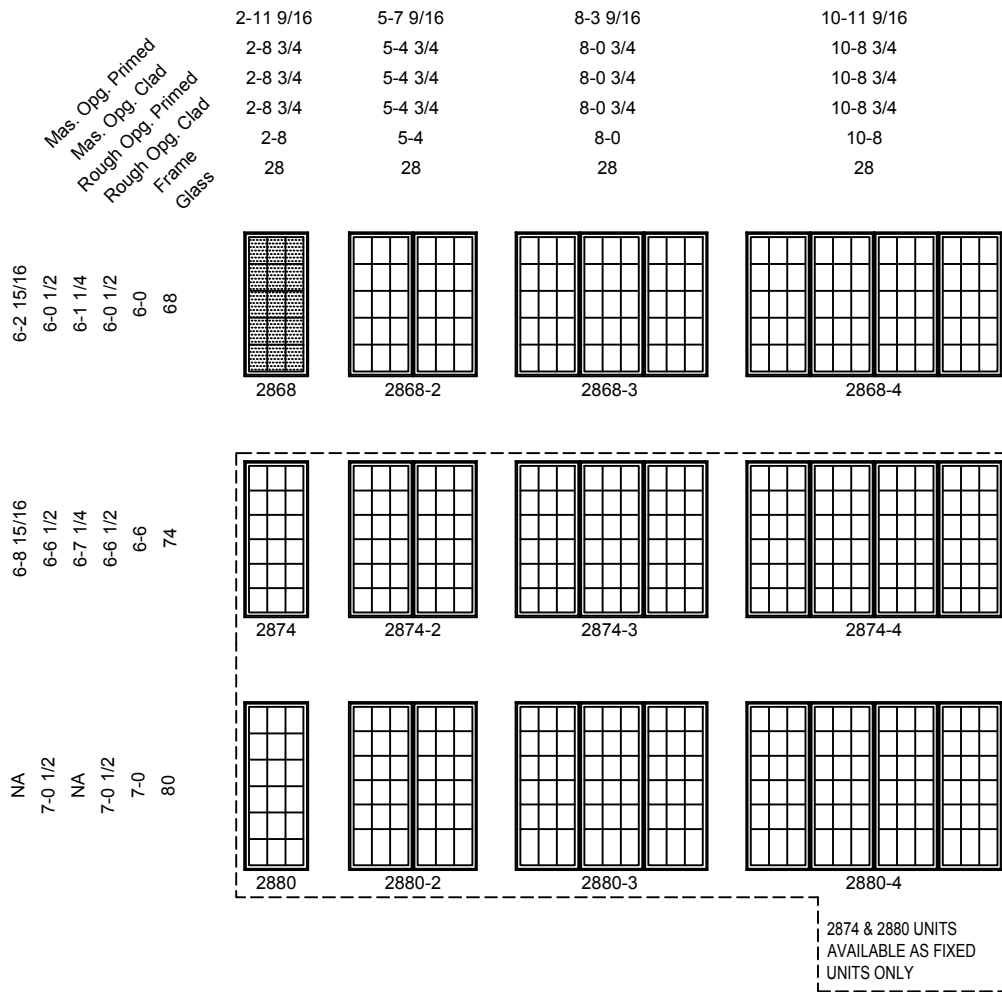
NOTE:  
ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT  
TO CALCULATE MASONRY OPENING

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

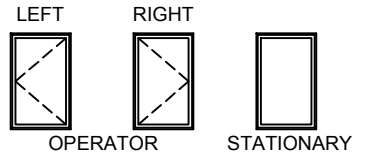
# Pinnacle Series

## CASEMENT - 28" WIDE

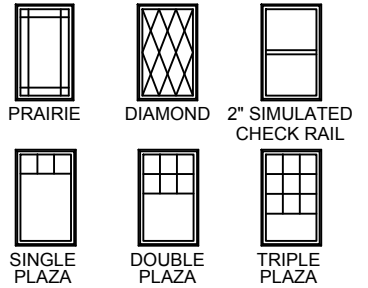
ELEVATIONS : OPERATING / STATIONARY / PICTURE  
 SCALE: 1/8" = 1'-0"



### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

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

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

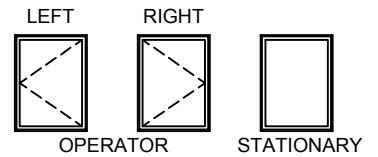
# Pinnacle Series

## CASEMENT - 32" WIDE

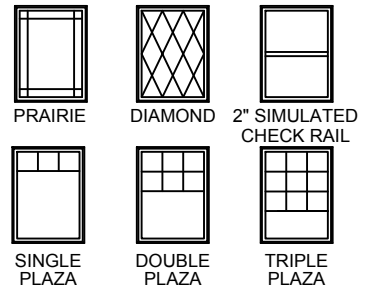
ELEVATIONS : OPERATING / STATIONARY / PICTURE  
 SCALE: 1/8" = 1'-0"

|                   | 3-3 9/16 | 6-3 9/16 | 9-3 9/16 | 12-3 9/16 |
|-------------------|----------|----------|----------|-----------|
| Mas. Opg. Primed  | 3-0 3/4  | 6-0 3/4  | 9-0 3/4  | 12-0 3/4  |
| Mas. Opg. Clad    | 3-0 3/4  | 6-0 3/4  | 9-0 3/4  | 12-0 3/4  |
| Rough Opg. Primed | 3-0 3/4  | 6-0 3/4  | 9-0 3/4  | 12-0 3/4  |
| Rough Opg. Clad   | 3-0      | 6-0      | 9-0      | 12-0      |
| Frame             | 32       | 32       | 32       | 32        |
| Glass             |          |          |          |           |
| 2-2 15/16         |          |          |          |           |
| 2-0 1/2           | 3220     | 3220-2   | 3220-3   | 3220-4    |
| 2-1 1/4           |          |          |          |           |
| 2-0 1/2           |          |          |          |           |
| 2-0               |          |          |          |           |
| 20                |          |          |          |           |
| 2-8 15/16         |          |          |          |           |
| 2-6 1/2           | 3226     | 3226-2   | 3226-3   | 3226-4    |
| 2-7 1/4           |          |          |          |           |
| 2-6 1/2           |          |          |          |           |
| 2-6               |          |          |          |           |
| 26                |          |          |          |           |
| 3-2 15/16         |          |          |          |           |
| 3-0 1/2           | 3232     | 3232-2   | 3232-3   | 3232-4    |
| 3-1 1/4           |          |          |          |           |
| 3-0 1/2           |          |          |          |           |
| 3-0               |          |          |          |           |
| 32                |          |          |          |           |
| 3-8 15/16         |          |          |          |           |
| 3-6 1/2           | 3238     | 3238-2   | 3238-3   | 3238-4    |
| 3-7 1/4           |          |          |          |           |
| 3-6 1/2           |          |          |          |           |
| 3-6               |          |          |          |           |
| 38                |          |          |          |           |
| 4-2 15/16         |          |          |          |           |
| 4-0 1/2           | 3244     | 3244-2   | 3244-3   | 3244-4    |
| 4-1 1/4           |          |          |          |           |
| 4-0 1/2           |          |          |          |           |
| 4-0               |          |          |          |           |
| 44                |          |          |          |           |
| 4-8 15/16         |          |          |          |           |
| 4-6 1/2           | 3250     | 3250-2   | 3250-3   | 3250-4    |
| 4-7 1/4           |          |          |          |           |
| 4-6 1/2           |          |          |          |           |
| 4-6               |          |          |          |           |
| 50                |          |          |          |           |
| 5-2 15/16         |          |          |          |           |
| 5-0 1/2           | 3256     | 3256-2   | 3256-3   | 3256-4    |
| 5-1 1/4           |          |          |          |           |
| 5-0 1/2           |          |          |          |           |
| 5-0               |          |          |          |           |
| 56                |          |          |          |           |
| 5-8 15/16         |          |          |          |           |
| 5-6 1/2           | 3262     | 3262-2   | 3262-3   | 3262-4    |
| 5-7 1/4           |          |          |          |           |
| 5-6 1/2           |          |          |          |           |
| 5-6               |          |          |          |           |
| 62                |          |          |          |           |

### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

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

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

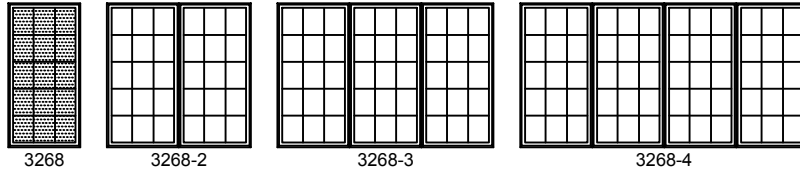
# Pinnacle Series

## CASEMENT - 32" WIDE

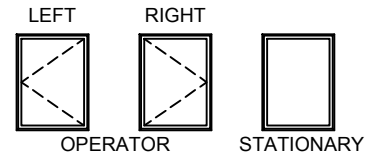
ELEVATIONS : OPERATING / STATIONARY / PICTURE  
 SCALE: 1/8" = 1'-0"

|                   |          |          |          |           |
|-------------------|----------|----------|----------|-----------|
|                   | 3-3 9/16 | 6-3 9/16 | 9-3 9/16 | 12-3 9/16 |
| Mas. Opg. Primed  | 3-0 3/4  | 6-0 3/4  | 9-0 3/4  | 12-0 3/4  |
| Mas. Opg. Clad    | 3-0 3/4  | 6-0 3/4  | 9-0 3/4  | 12-0 3/4  |
| Rough Opg. Primed | 3-0 3/4  | 6-0 3/4  | 9-0 3/4  | 12-0 3/4  |
| Rough Opg. Clad   | 3-0      | 6-0      | 9-0      | 12-0      |
| Frame             | 32       | 32       | 32       | 32        |
| Glass             |          |          |          |           |

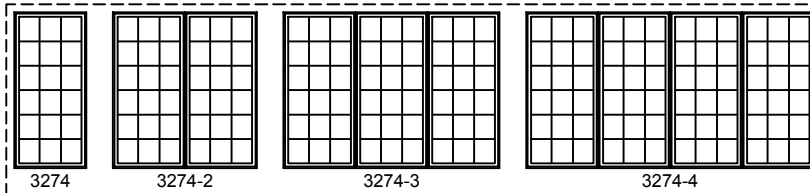
6-2 15/16  
 6-0 1/2  
 6-1 1/4  
 6-0 1/2  
 6-0  
 68



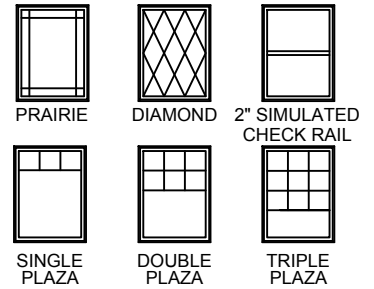
### OPERATION



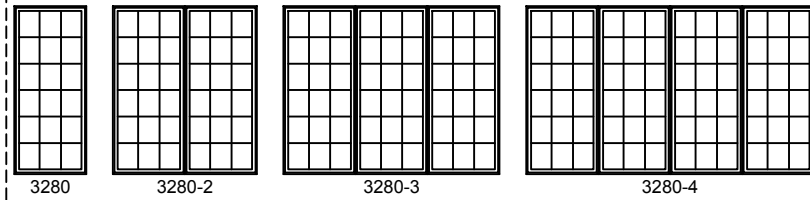
6-8 15/16  
 6-6 1/2  
 6-7 1/4  
 6-6 1/2  
 6-6  
 74



### OTHER GRILLE PATTERNS



NA  
 7-0 1/2  
 NA  
 7-0 1/2  
 7-0  
 80



3274 & 3280 UNITS  
 AVAILABLE AS FIXED  
 UNITS ONLY

### UNIT SIZE INFORMATION

- FOR CLAD BRICKMOULD**
  - ▣ ADD 2 13/16" TO FRAME WIDTH
  - ▣ ADD 1 3/4" 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  
 NOTE:  
 ADD 3/4" TO UNIT WIDTH & 1/2" TO UNIT HEIGHT  
 TO CALCULATE MASONRY OPENING

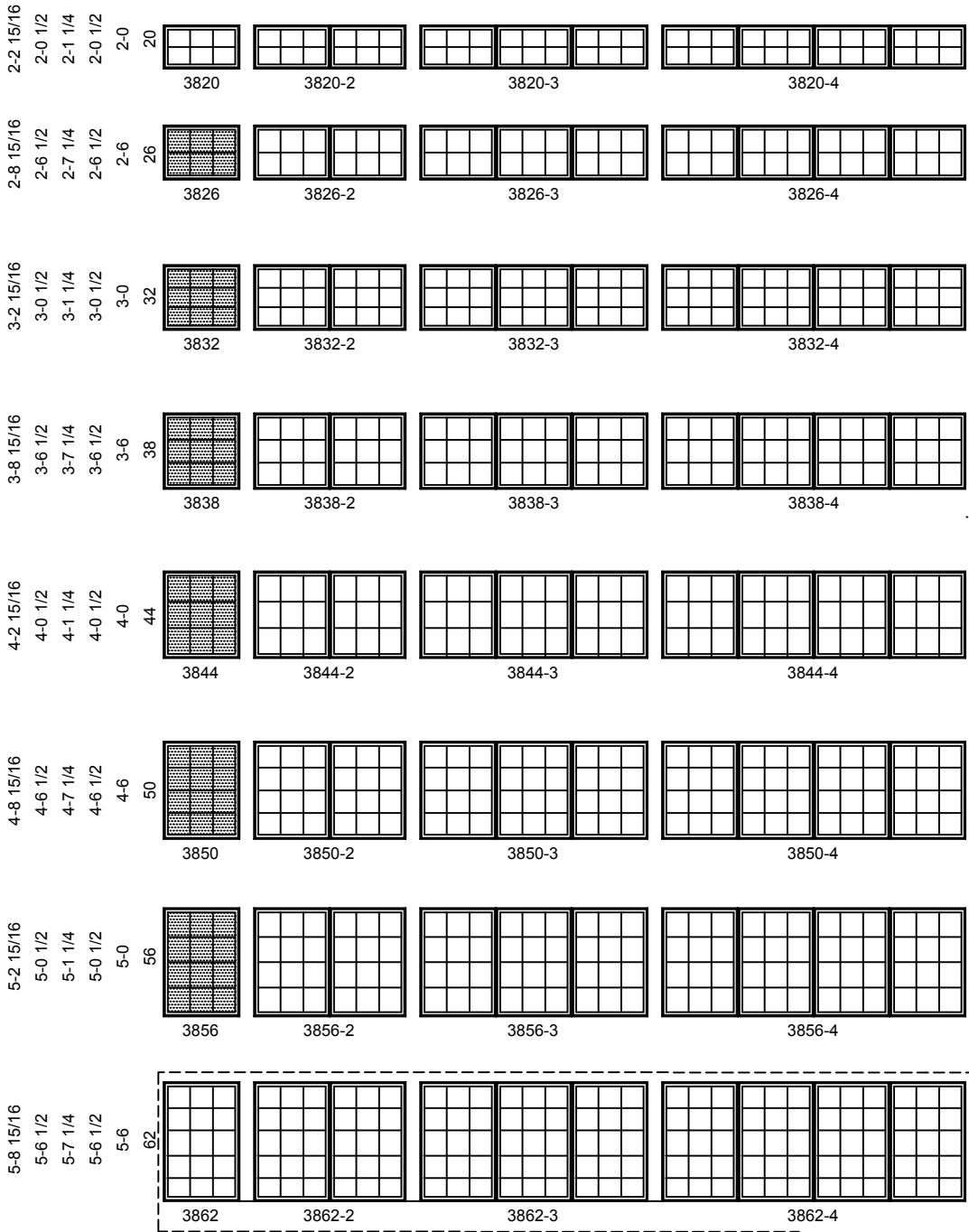
NOTES:  
 80 HEIGHTS AVAILABLE IN CLAD ONLY  
 CLAD MASONRY OPENINGS ARE FOR STANDARD FRAME WITH NO CASING  
 PRIMED MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD  
 SHADED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES

# Pinnacle Series

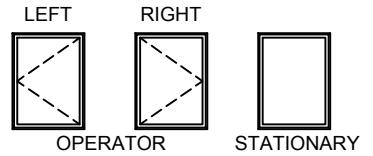
## CASEMENT - 38" WIDE

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

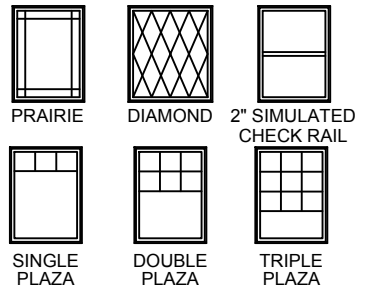
|                   |          |         |            |          |
|-------------------|----------|---------|------------|----------|
|                   | 3-9 9/16 | 7-7 1/8 | 11-4 11/16 | 15-2 1/4 |
| Mas. Opg. Primed  | 3-6 3/4  | 7-1 1/2 | 10-8 1/4   | 14-3     |
| Mas. Opg. Clad    | 3-6 3/4  | 7-1 1/2 | 10-8 1/4   | 14-3     |
| Rough Opg. Primed | 3-6 3/4  | 7-1 1/2 | 10-8 1/4   | 14-3     |
| Rough Opg. Clad   | 3-6      | 7-0     | 10-6       | 14-0     |
| Frame             | 38       | 38      | 38         | 38       |
| Glass             |          |         |            |          |



### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

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

3862 UNITS AVAILABLE  
 AS FIXED UNITS ONLY

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

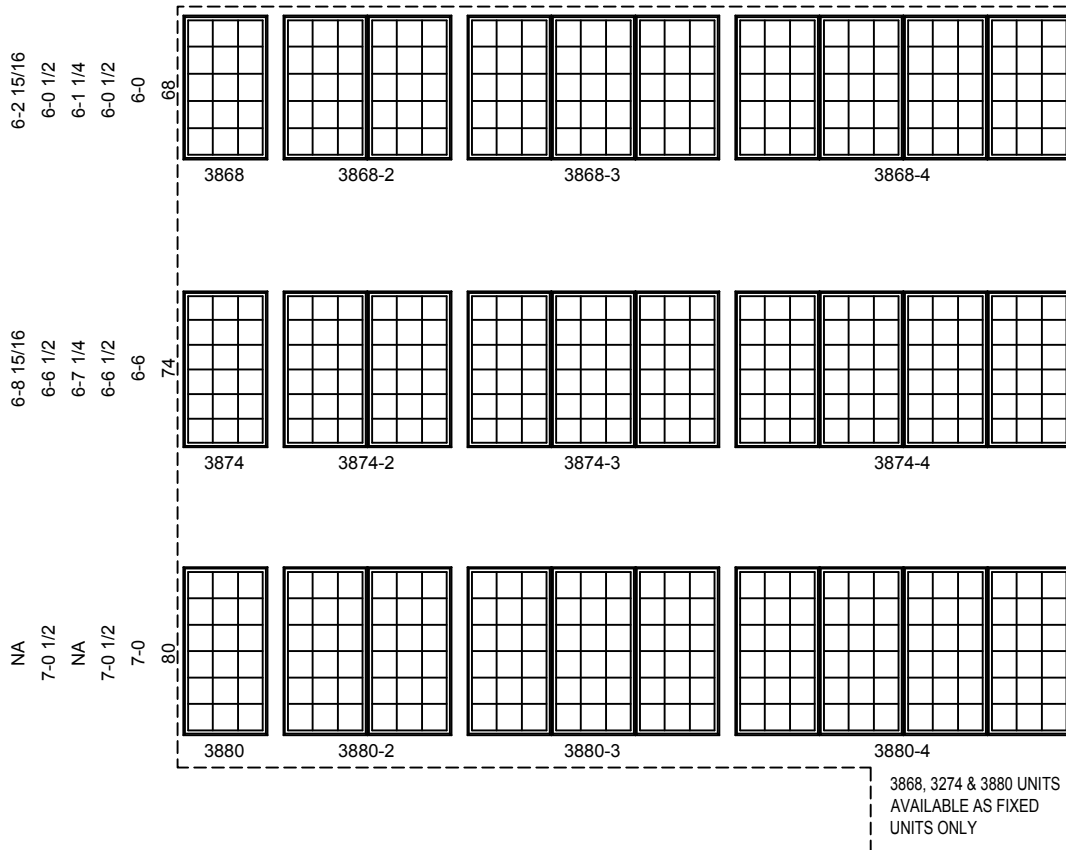
# Pinnacle Series

## CASEMENT - 38" WIDE

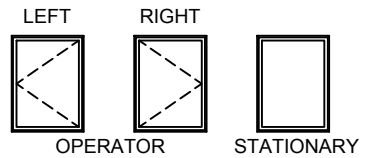
ELEVATIONS : OPERATING / STATIONARY / PICTURE

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

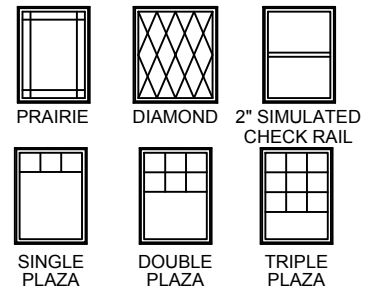
|                   |          |         |            |          |
|-------------------|----------|---------|------------|----------|
|                   | 3-9 9/16 | 7-7 1/8 | 11-4 11/16 | 15-2 1/4 |
| Mas. Opg. Primed  | 3-6 3/4  | 7-1 1/2 | 10-8 1/4   | 14-3     |
| Mas. Opg. Clad    | 3-6 3/4  | 7-1 1/2 | 10-8 1/4   | 14-3     |
| Rough Opg. Primed | 3-6 3/4  | 7-1 1/2 | 10-8 1/4   | 14-3     |
| Rough Opg. Clad   | 3-6      | 7-0     | 10-6       | 14-0     |
| Frame             | 38       | 38      | 38         | 38       |
| Glass             |          |         |            |          |



### OPERATION



### OTHER GRILLE PATTERNS



### UNIT SIZE INFORMATION

- FOR CLAD BRICKMOULD**
  - ▣ ADD 2 13/16" TO FRAME WIDTH
  - ▣ ADD 1 3/4" 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:

- 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

### NOTE:

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



# Pinnacle Series

## CASEMENT - PICTURE

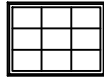
### ELEVATIONS

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

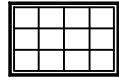
Mas. Opp. Primed  
 Mas. Opp. Clad  
 Rough Opp. Primed  
 Rough Opp. Clad  
 Frame  
 Glass

|          |          |          |          |
|----------|----------|----------|----------|
| 4-3 9/16 | 4-9 9/16 | 5-3 9/16 | 6-3 9/16 |
| 4-0 3/4  | 4-6 3/4  | 5-0 3/4  | 6-0 3/4  |
| 4-0 3/4  | 4-6 3/4  | 5-0 3/4  | 6-0 3/4  |
| 4-0 3/4  | 4-6 3/4  | 5-0 3/4  | 6-0 3/4  |
| 4-0      | 4-6      | 5-0      | 6-0      |
| 44       | 50       | 56       | 68       |

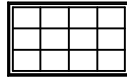
3-2 15/16  
 3-0 1/2  
 3-1 1/4  
 3-0 1/2  
 3-0  
 32



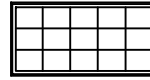
4432



5032

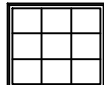


5632

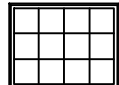


6832

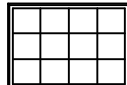
3-8 15/16  
 3-6 1/2  
 3-7 1/4  
 3-6 1/2  
 3-6  
 38



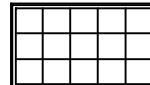
4438



5038

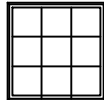


5638

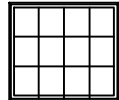


6838

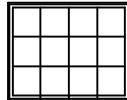
4-2 15/16  
 4-0 1/2  
 4-1 1/4  
 4-0 1/2  
 4-0  
 44



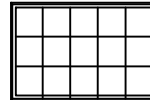
4444



5044

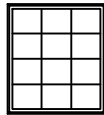


5644

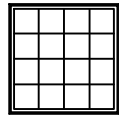


6844

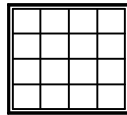
4-8 15/16  
 4-6 1/2  
 4-7 1/4  
 4-6 1/2  
 4-6  
 50



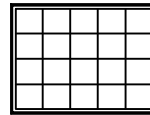
4450



5050

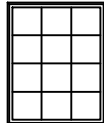


5650

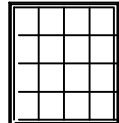


6850

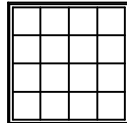
5-2 15/16  
 5-0 1/2  
 5-1 1/4  
 5-0 1/2  
 5-0  
 56



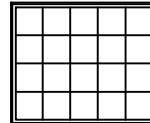
4456



5056

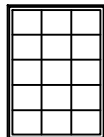


5656

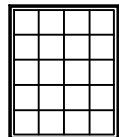


6856

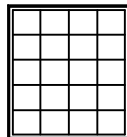
5-8 15/16  
 5-6 1/2  
 5-7 1/4  
 5-6 1/2  
 5-6  
 62



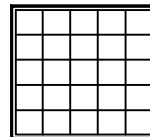
4462



5062



5662



6862

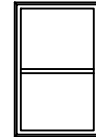
### OTHER GRILLE PATTERNS



PRAIRIE



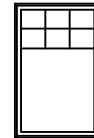
DIAMOND



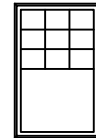
2" SIMULATED CHECK RAIL



SINGLE PLAZA



DOUBLE PLAZA



TRIPLE PLAZA

### UNIT SIZE INFORMATION

#### FOR CLAD BRICKMOULD

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

#### 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

# Pinnacle Series

## CASEMENT - PICTURE

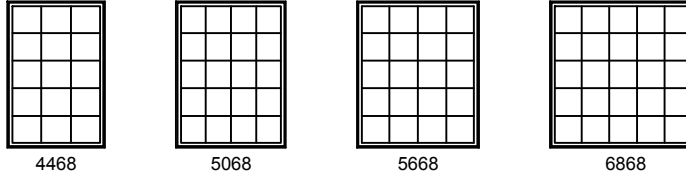
### ELEVATIONS

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

Mas. Opp. Primed  
 Mas. Opp. Clad  
 Rough Opp. Primed  
 Rough Opp. Clad  
 Frame  
 Glass

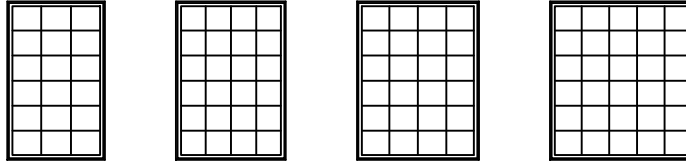
|          |          |          |          |
|----------|----------|----------|----------|
| 4-3 9/16 | 4-9 9/16 | 5-3 9/16 | 6-3 9/16 |
| 4-0 3/4  | 4-6 3/4  | 5-0 3/4  | 6-0 3/4  |
| 4-0 3/4  | 4-6 3/4  | 5-0 3/4  | 6-0 3/4  |
| 4-0 3/4  | 4-6 3/4  | 5-0 3/4  | 6-0 3/4  |
| 4-0      | 4-6      | 5-0      | 6-0      |
| 44       | 50       | 56       | 68       |

6-2 15/16  
 6-0 1/2  
 6-1 1/4  
 6-0 1/2  
 6-0  
 68



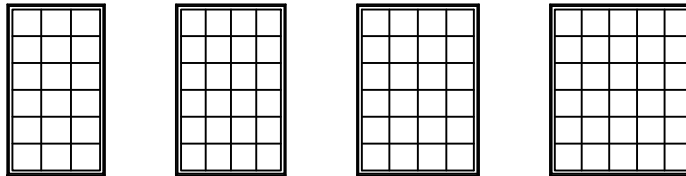
4468      5068      5668      6868

6-8 15/16  
 6-6 1/2  
 6-7 1/4  
 6-6 1/2  
 6-6  
 74



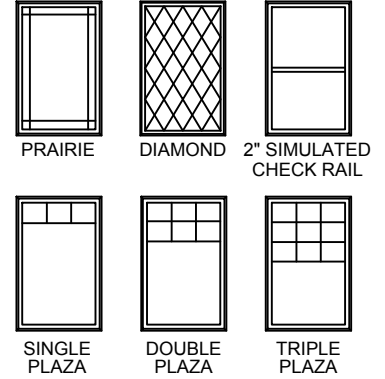
4474      5074      5674      6874

NA  
 7-0 1/2  
 NA  
 7-0 1/2  
 7-0  
 80



4480      5080      5680      6880

### OTHER GRILLE PATTERNS



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

### UNIT SIZE INFORMATION

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

# Pinnacle Series

## CASEMENT - TRANSOM

### ELEVATIONS

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

|                   | 1-9 9/16 | 1-11 9/16 | 2-3 9/16 | 2-7 9/16 | 2-9 9/16 | 2-11 9/16 | 3-3 9/16 |
|-------------------|----------|-----------|----------|----------|----------|-----------|----------|
| Mas. Opg. Primed  | 1-6 3/4  | 1-8 3/4   | 2-0 3/4  | 2-4 3/4  | 2-6 3/4  | 2-8 3/4   | 3-0 3/4  |
| Mas. Opg. Clad    | 1-6 3/4  | 1-8 3/4   | 2-0 3/4  | 2-4 3/4  | 2-6 3/4  | 2-8 3/4   | 3-0 3/4  |
| Rough Opg. Primed | 1-6 3/4  | 1-8 3/4   | 2-0 3/4  | 2-4 3/4  | 2-6 3/4  | 2-8 3/4   | 3-0 3/4  |
| Rough Opg. Clad   | 1-6      | 1-8       | 2-0      | 2-4      | 2-6      | 2-8       | 3-0      |
| Frame             | 14       | 16        | 20       | 24       | 26       | 28        | 32       |
| Glass             |          |           |          |          |          |           |          |
| 1-2 15/16         | 1408     | 1608      | 2008     | 2408     | 2608     | 2808      | 3208     |
| 1-4 15/16         | 1410     | 1610      | 2010     | 2410     | 2610     | 2810      | 3210     |
| 1-6 15/16         | 1412     | 1612      | 2012     | 2412     | 2612     | 2812      | 3212     |
| 1-8 15/16         | 1414     | 1614      | 2014     | 2414     | 2614     | 2814      | 3214     |
| 1-10 15/16        | 1416     | 1616      | 2016     | 2416     | 2616     | 2816      | 3216     |
| 2-2 15/16         |          |           | 2020     | 2420     | 2620     | 2820      | 3220     |
| 2-6 15/16         |          |           |          | 2424     | 2624     | 2824      | 3224     |
| 2-8 15/16         |          |           |          |          | 2626     | 2826      | 3226     |

### OTHER GRILLE PATTERN



PRAIRIE



DIAMOND

### UNIT SIZE INFORMATION

#### FOR CLAD BRICKMOULD

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

#### 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

# Pinnacle Series

## CASEMENT - TRANSOM

### ELEVATIONS

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

|            |                   | 3-9 9/16 | 4-3 9/16 | 4-9 9/16 | 5-3 9/16 | 6-3 9/16 |
|------------|-------------------|----------|----------|----------|----------|----------|
|            | Mas. Opp. Primed  | 3-6 3/4  | 4-0 3/4  | 4-6 3/4  | 5-0 3/4  | 6-0 3/4  |
|            | Mas. Opp. Clad    | 3-6 3/4  | 4-0 3/4  | 4-6 3/4  | 5-0 3/4  | 6-0 3/4  |
|            | Rough Opp. Primed | 3-6 3/4  | 4-0 3/4  | 4-6 3/4  | 5-0 3/4  | 6-0 3/4  |
|            | Rough Opp. Clad   | 3-6      | 4-0      | 4-6      | 5-0      | 6-0      |
|            | Frame             | 38       | 44       | 50       | 56       | 68       |
|            | Glass             |          |          |          |          |          |
| 1-2 15/16  | 1-0 1/2           |          |          |          |          |          |
|            | 1-1 1/4           |          |          |          |          |          |
|            | 1-0 1/2           |          |          |          |          |          |
|            | 1-0               |          |          |          |          |          |
|            | 8                 |          |          |          |          |          |
| 1-4 15/16  | 1-2 1/2           |          |          |          |          |          |
|            | 1-3 1/4           |          |          |          |          |          |
|            | 1-2 1/2           |          |          |          |          |          |
|            | 1-2               |          |          |          |          |          |
|            | 10                |          |          |          |          |          |
| 1-6 15/16  | 1-4 1/2           |          |          |          |          |          |
|            | 1-5 1/4           |          |          |          |          |          |
|            | 1-4 1/2           |          |          |          |          |          |
|            | 1-4               |          |          |          |          |          |
|            | 12                |          |          |          |          |          |
| 1-8 15/16  | 1-6 1/2           |          |          |          |          |          |
|            | 1-7 1/4           |          |          |          |          |          |
|            | 1-6 1/2           |          |          |          |          |          |
|            | 1-6               |          |          |          |          |          |
|            | 14                |          |          |          |          |          |
| 1-10 15/16 | 1-8 1/2           |          |          |          |          |          |
|            | 1-9 1/4           |          |          |          |          |          |
|            | 1-8 1/2           |          |          |          |          |          |
|            | 1-8               |          |          |          |          |          |
|            | 16                |          |          |          |          |          |
| 2-2 15/16  | 2-0 1/2           |          |          |          |          |          |
|            | 2-1 1/4           |          |          |          |          |          |
|            | 2-0 1/2           |          |          |          |          |          |
|            | 2-0               |          |          |          |          |          |
|            | 20                |          |          |          |          |          |
| 2-6 15/16  | 2-4 1/2           |          |          |          |          |          |
|            | 2-5 1/4           |          |          |          |          |          |
|            | 2-4 1/2           |          |          |          |          |          |
|            | 2-4               |          |          |          |          |          |
|            | 24                |          |          |          |          |          |
| 2-8 15/16  | 2-6 1/2           |          |          |          |          |          |
|            | 2-7 1/4           |          |          |          |          |          |
|            | 2-6 1/2           |          |          |          |          |          |
|            | 2-6               |          |          |          |          |          |
|            | 26                |          |          |          |          |          |

### OTHER GRILLE PATTERN



PRAIRIE

DIAMOND

### UNIT SIZE INFORMATION

#### FOR CLAD BRICKMOULD

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

#### 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

# Pinnacle Series

## CASEMENT - 16" WIDE RADIUS SEGMENT TOP

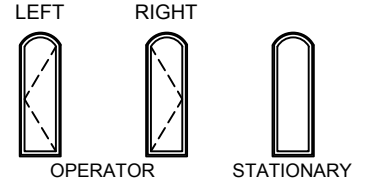
ELEVATIONS : OPERATING / STATIONARY

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

Mas. Opp. Primed  
Mas. Opp. Clad  
Rough Opp. Primed  
Rough Opp. Clad  
Frame  
Glass

|           |          |          |           |
|-----------|----------|----------|-----------|
| 1-11 9/16 | 3-7 9/16 | 5-3 9/16 | 6-11 9/16 |
| 1-8 3/4   | 3-4 3/4  | 5-0 3/4  | 6-8 3/4   |
| 1-8 3/4   | 3-4 3/4  | 5-0 3/4  | 6-8 3/4   |
| 1-8 3/4   | 3-4 3/4  | 5-0 3/4  | 6-8 3/4   |
| 1-8       | 3-4      | 5-0      | 6-8       |
| 16        | 16       | 16       | 16        |

### OPERATION



|           |           |           |           |         |    |  |  |  |  |
|-----------|-----------|-----------|-----------|---------|----|--|--|--|--|
| 2-2 15/16 | 2-0 1/2   | 2-1 1/4   | 2-0 1/2   | 1-6/2-0 | 20 |  |  |  |  |
| 1608/14   | 1608/14-2 | 1608/14-3 | 1608/14-4 |         |    |  |  |  |  |
| 2-2 15/16 | 2-0 1/2   | 2-1 1/4   | 2-0 1/2   | 1-6/2-0 | 20 |  |  |  |  |
| 1614/20   | 1614/20-2 | 1614/20-3 | 1614/20-4 |         |    |  |  |  |  |
| 2-8 15/16 | 2-6 1/2   | 2-7 1/4   | 2-6 1/2   | 2-0/2-6 | 26 |  |  |  |  |
| 1620/26   | 1620/26-2 | 1620/26-3 | 1620/26-4 |         |    |  |  |  |  |
| 3-2 15/16 | 3-0 1/2   | 3-1 1/4   | 3-0 1/2   | 2-6/3-0 | 32 |  |  |  |  |
| 1626/32   | 1626/32-2 | 1626/32-3 | 1626/32-4 |         |    |  |  |  |  |
| 3-8 15/16 | 3-6 1/2   | 3-7 1/4   | 3-6 1/2   | 3-0/3-6 | 38 |  |  |  |  |
| 1632/38   | 1632/38-2 | 1632/38-3 | 1632/38-4 |         |    |  |  |  |  |
| 4-2 15/16 | 4-0 1/2   | 4-1 1/4   | 4-0 1/2   | 3-6/4-0 | 44 |  |  |  |  |
| 1638/44   | 1638/44-2 | 1638/44-3 | 1638/44-4 |         |    |  |  |  |  |
| 4-8 15/16 | 4-6 1/2   | 4-7 1/4   | 4-6 1/2   | 4-0/4-6 | 50 |  |  |  |  |
| 1644/50   | 1644/50-2 | 1644/50-3 | 1644/50-4 |         |    |  |  |  |  |
| 5-2 15/16 | 5-0 1/2   | 5-1 1/4   | 5-0 1/2   | 4-6/5-0 | 56 |  |  |  |  |
| 1650/56   | 1650/56-2 | 1650/56-3 | 1650/56-4 |         |    |  |  |  |  |
| 5-8 15/16 | 5-6 1/2   | 5-7 1/4   | 5-6 1/2   | 5-0/5-6 | 62 |  |  |  |  |
| 1656/62   | 1656/62-2 | 1656/62-3 | 1656/62-4 |         |    |  |  |  |  |
| 6-2 15/16 | 6-0 1/2   | 6-1 1/4   | 6-0 1/2   | 5-6/6-0 | 68 |  |  |  |  |
| 1662/68   | 1662/68-2 | 1662/68-3 | 1662/68-4 |         |    |  |  |  |  |

### UNIT SIZE INFORMATION

- FOR CLAD 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 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:

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

# Pinnacle Series

## CASEMENT - 20" WIDE RADIUS SEGMENT TOP

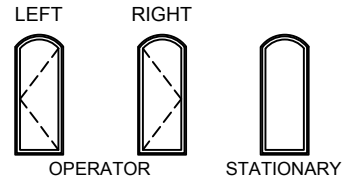
ELEVATIONS : OPERATING / STATIONARY

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

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

|          |          |          |          |
|----------|----------|----------|----------|
| 2-3 9/16 | 4-3 9/16 | 6-3 9/16 | 8-3 9/16 |
| 2-0 3/4  | 4-0 3/4  | 6-0 3/4  | 8-0 3/4  |
| 2-0 3/4  | 4-0 3/4  | 6-0 3/4  | 8-0 3/4  |
| 2-0 3/4  | 4-0 3/4  | 6-0 3/4  | 8-0 3/4  |
| 2-0      | 4-0      | 6-0      | 8-0      |
| 20       | 20       | 20       | 20       |

### OPERATION



|           |         |         |         |         |    |  |  |  |  |
|-----------|---------|---------|---------|---------|----|--|--|--|--|
| 1-8 15/16 | 1-6 1/2 | 1-7 1/4 | 1-6 1/2 | 1-0/1-6 | 14 |  |  |  |  |
| 2-2 15/16 | 2-0 1/2 | 2-1 1/4 | 2-0 1/2 | 1-6/2-0 | 20 |  |  |  |  |
| 2-8 15/16 | 2-6 1/2 | 2-7 1/4 | 2-6 1/2 | 2-0/2-6 | 26 |  |  |  |  |
| 3-2 15/16 | 3-0 1/2 | 3-1 1/4 | 3-0 1/2 | 2-6/3-0 | 32 |  |  |  |  |
| 3-8 15/16 | 3-6 1/2 | 3-7 1/4 | 3-6 1/2 | 3-0/3-6 | 38 |  |  |  |  |
| 4-2 15/16 | 4-0 1/2 | 4-1 1/4 | 4-0 1/2 | 3-6/4-0 | 44 |  |  |  |  |
| 4-8 15/16 | 4-6 1/2 | 4-7 1/4 | 4-6 1/2 | 4-0/4-6 | 50 |  |  |  |  |
| 5-2 15/16 | 5-0 1/2 | 5-1 1/4 | 5-0 1/2 | 4-6/5-0 | 56 |  |  |  |  |
| 5-8 15/16 | 5-6 1/2 | 5-7 1/4 | 5-6 1/2 | 5-0/5-6 | 62 |  |  |  |  |
| 6-2 15/16 | 6-0 1/2 | 6-1 1/4 | 6-0 1/2 | 5-6/6-0 | 68 |  |  |  |  |

### UNIT SIZE INFORMATION

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

# Pinnacle Series

## CASEMENT - 24" WIDE RADIUS SEGMENT TOP

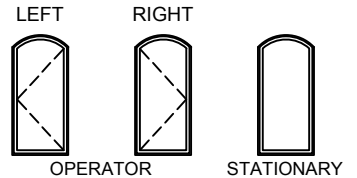
ELEVATIONS : OPERATING / STATIONARY

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

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

|          |           |          |          |
|----------|-----------|----------|----------|
| 2-7 9/16 | 4-11 9/16 | 7-3 9/16 | 9-7 9/16 |
| 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
| 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
| 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
| 2-4      | 4-8       | 7-0      | 9-4      |
| 24       | 24        | 24       | 24       |

### OPERATION



|           |          |           |          |          |
|-----------|----------|-----------|----------|----------|
| 1-8 15/16 | 2-7 9/16 | 4-11 9/16 | 7-3 9/16 | 9-7 9/16 |
| 1-6 1/2   | 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
| 1-7 1/4   | 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
| 1-6 1/2   | 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
| 1-0/1-6   | 2-4      | 4-8       | 7-0      | 9-4      |
| 14        | 24       | 24        | 24       | 24       |
| 2-2 15/16 | 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
| 2-0 1/2   | 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
| 2-1 1/4   | 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
| 2-0 1/2   | 2-4 3/4  | 4-8 3/4   | 7-0 3/4  | 9-4 3/4  |
| 1-6/2-0   | 2-4      | 4-8       | 7-0      | 9-4      |
| 20        | 24       | 24        | 24       | 24       |
| 2-8 15/16 | 2-6 1/2  | 4-10 1/2  | 7-2 1/2  | 9-6 1/2  |
| 2-6 1/2   | 2-6 1/2  | 4-10 1/2  | 7-2 1/2  | 9-6 1/2  |
| 2-7 1/4   | 2-6 1/2  | 4-10 1/2  | 7-2 1/2  | 9-6 1/2  |
| 2-6 1/2   | 2-6 1/2  | 4-10 1/2  | 7-2 1/2  | 9-6 1/2  |
| 2-0/2-6   | 2-6      | 4-10      | 7-2      | 9-6      |
| 26        | 24       | 24        | 24       | 24       |
| 3-2 15/16 | 3-0 1/2  | 4-12 1/2  | 7-4 1/2  | 9-8 1/2  |
| 3-0 1/2   | 3-0 1/2  | 4-12 1/2  | 7-4 1/2  | 9-8 1/2  |
| 3-1 1/4   | 3-0 1/2  | 4-12 1/2  | 7-4 1/2  | 9-8 1/2  |
| 3-0 1/2   | 3-0 1/2  | 4-12 1/2  | 7-4 1/2  | 9-8 1/2  |
| 2-6/3-0   | 3-0      | 4-12      | 7-4      | 9-8      |
| 32        | 24       | 24        | 24       | 24       |
| 3-8 15/16 | 3-6 1/2  | 4-14 1/2  | 7-6 1/2  | 9-10 1/2 |
| 3-6 1/2   | 3-6 1/2  | 4-14 1/2  | 7-6 1/2  | 9-10 1/2 |
| 3-7 1/4   | 3-6 1/2  | 4-14 1/2  | 7-6 1/2  | 9-10 1/2 |
| 3-6 1/2   | 3-6 1/2  | 4-14 1/2  | 7-6 1/2  | 9-10 1/2 |
| 3-0/3-6   | 3-6      | 4-14      | 7-6      | 9-10     |
| 38        | 24       | 24        | 24       | 24       |
| 4-2 15/16 | 4-0 1/2  | 4-16 1/2  | 7-8 1/2  | 9-12 1/2 |
| 4-0 1/2   | 4-0 1/2  | 4-16 1/2  | 7-8 1/2  | 9-12 1/2 |
| 4-1 1/4   | 4-0 1/2  | 4-16 1/2  | 7-8 1/2  | 9-12 1/2 |
| 4-0 1/2   | 4-0 1/2  | 4-16 1/2  | 7-8 1/2  | 9-12 1/2 |
| 3-6/4-0   | 4-0      | 4-16      | 7-8      | 9-12     |
| 44        | 24       | 24        | 24       | 24       |
| 4-8 15/16 | 4-6 1/2  | 4-18 1/2  | 7-10 1/2 | 9-14 1/2 |
| 4-6 1/2   | 4-6 1/2  | 4-18 1/2  | 7-10 1/2 | 9-14 1/2 |
| 4-7 1/4   | 4-6 1/2  | 4-18 1/2  | 7-10 1/2 | 9-14 1/2 |
| 4-6 1/2   | 4-6 1/2  | 4-18 1/2  | 7-10 1/2 | 9-14 1/2 |
| 4-0/4-6   | 4-6      | 4-18      | 7-10     | 9-14     |
| 50        | 24       | 24        | 24       | 24       |
| 5-2 15/16 | 5-0 1/2  | 4-20 1/2  | 7-12 1/2 | 9-16 1/2 |
| 5-0 1/2   | 5-0 1/2  | 4-20 1/2  | 7-12 1/2 | 9-16 1/2 |
| 5-1 1/4   | 5-0 1/2  | 4-20 1/2  | 7-12 1/2 | 9-16 1/2 |
| 5-0 1/2   | 5-0 1/2  | 4-20 1/2  | 7-12 1/2 | 9-16 1/2 |
| 4-6/5-0   | 5-0      | 4-20      | 7-12     | 9-16     |
| 56        | 24       | 24        | 24       | 24       |
| 5-8 15/16 | 5-6 1/2  | 4-22 1/2  | 7-14 1/2 | 9-18 1/2 |
| 5-6 1/2   | 5-6 1/2  | 4-22 1/2  | 7-14 1/2 | 9-18 1/2 |
| 5-7 1/4   | 5-6 1/2  | 4-22 1/2  | 7-14 1/2 | 9-18 1/2 |
| 5-6 1/2   | 5-6 1/2  | 4-22 1/2  | 7-14 1/2 | 9-18 1/2 |
| 5-0/5-6   | 5-6      | 4-22      | 7-14     | 9-18     |
| 62        | 24       | 24        | 24       | 24       |
| 6-2 15/16 | 6-0 1/2  | 4-24 1/2  | 7-16 1/2 | 9-20 1/2 |
| 6-0 1/2   | 6-0 1/2  | 4-24 1/2  | 7-16 1/2 | 9-20 1/2 |
| 6-1 1/4   | 6-0 1/2  | 4-24 1/2  | 7-16 1/2 | 9-20 1/2 |
| 6-0 1/2   | 6-0 1/2  | 4-24 1/2  | 7-16 1/2 | 9-20 1/2 |
| 5-6/6-0   | 6-0      | 4-24      | 7-16     | 9-20     |
| 68        | 24       | 24        | 24       | 24       |

### UNIT SIZE INFORMATION

- FOR CLAD 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 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:  
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

## CASEMENT - 26" WIDE RADIUS SEGMENT TOP

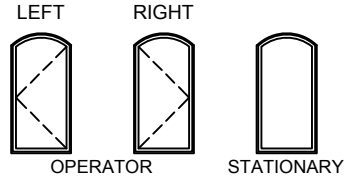
ELEVATIONS : OPERATING / STATIONARY

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

Mas. Opp. Primed  
Mas. Opp. Clad  
Rough Opp. Primed  
Rough Opp. Clad  
Frame  
Glass

|          |          |          |           |
|----------|----------|----------|-----------|
| 2-9 9/16 | 5-3 9/16 | 7-9 9/16 | 10-3 9/16 |
| 2-6 3/4  | 5-0 3/4  | 7-6 3/4  | 10-0 3/4  |
| 2-6 3/4  | 5-0 3/4  | 7-6 3/4  | 10-0 3/4  |
| 2-6 3/4  | 5-0 3/4  | 7-6 3/4  | 10-0 3/4  |
| 2-6      | 5-0      | 7-6      | 10-0      |
| 26       | 26       | 26       | 26        |

### OPERATION



|           |         |         |         |         |    |  |  |  |  |
|-----------|---------|---------|---------|---------|----|--|--|--|--|
| 1-8 15/16 | 1-6 1/2 | 1-7 1/4 | 1-6 1/2 | 1-0/1-6 | 14 |  |  |  |  |
| 2-2 15/16 | 2-0 1/2 | 2-1 1/4 | 2-0 1/2 | 1-6/2-0 | 20 |  |  |  |  |
| 2-8 15/16 | 2-6 1/2 | 2-7 1/4 | 2-6 1/2 | 2-0/2-6 | 26 |  |  |  |  |
| 3-2 15/16 | 3-0 1/2 | 3-1 1/4 | 3-0 1/2 | 2-6/3-0 | 32 |  |  |  |  |
| 3-8 15/16 | 3-6 1/2 | 3-7 1/4 | 3-6 1/2 | 3-0/3-6 | 38 |  |  |  |  |
| 4-2 15/16 | 4-0 1/2 | 4-1 1/4 | 4-0 1/2 | 3-6/4-0 | 44 |  |  |  |  |
| 4-8 15/16 | 4-6 1/2 | 4-7 1/4 | 4-6 1/2 | 4-0/4-6 | 50 |  |  |  |  |
| 5-2 15/16 | 5-0 1/2 | 5-1 1/4 | 5-0 1/2 | 4-6/5-0 | 56 |  |  |  |  |
| 5-8 15/16 | 5-6 1/2 | 5-7 1/4 | 5-6 1/2 | 5-0/5-6 | 62 |  |  |  |  |
| 6-2 15/16 | 6-0 1/2 | 6-1 1/4 | 6-0 1/2 | 5-6/6-0 | 68 |  |  |  |  |

### UNIT SIZE INFORMATION

- FOR CLAD 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 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:  
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

## CASEMENT - 32" WIDE RADIUS SEGMENT TOP

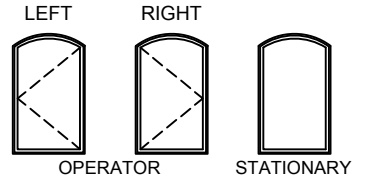
ELEVATIONS : OPERATING / STATIONARY

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

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

|          |          |          |           |
|----------|----------|----------|-----------|
| 3-3 9/16 | 6-3 9/16 | 9-3 9/16 | 12-3 9/16 |
| 3-0 3/4  | 6-0 3/4  | 9-0 3/4  | 12-0 3/4  |
| 3-0 3/4  | 6-0 3/4  | 9-0 3/4  | 12-0 3/4  |
| 3-0 3/4  | 6-0 3/4  | 9-0 3/4  | 12-0 3/4  |
| 3-0      | 6-0      | 9-0      | 12-0      |
| 32       | 32       | 32       | 32        |

### OPERATION



|           |         |         |         |         |    |  |  |  |  |
|-----------|---------|---------|---------|---------|----|--|--|--|--|
| 1-8 15/16 | 1-6 1/2 | 1-7 1/4 | 1-6 1/2 | 1-0/1-6 | 14 |  |  |  |  |
| 2-2 15/16 | 2-0 1/2 | 2-1 1/4 | 2-0 1/2 | 1-6/2-0 | 20 |  |  |  |  |
| 2-8 15/16 | 2-6 1/2 | 2-7 1/4 | 2-6 1/2 | 2-0/2-6 | 26 |  |  |  |  |
| 3-2 15/16 | 3-0 1/2 | 3-1 1/4 | 3-0 1/2 | 2-6/3-0 | 32 |  |  |  |  |
| 3-8 15/16 | 3-6 1/2 | 3-7 1/4 | 3-6 1/2 | 3-0/3-6 | 38 |  |  |  |  |
| 4-2 15/16 | 4-0 1/2 | 4-1 1/4 | 4-0 1/2 | 3-6/4-0 | 44 |  |  |  |  |
| 4-8 15/16 | 4-6 1/2 | 4-7 1/4 | 4-6 1/2 | 4-0/4-6 | 50 |  |  |  |  |
| 5-2 15/16 | 5-0 1/2 | 5-1 1/4 | 5-0 1/2 | 4-6/5-0 | 56 |  |  |  |  |
| 5-8 15/16 | 5-6 1/2 | 5-7 1/4 | 5-6 1/2 | 5-0/5-6 | 62 |  |  |  |  |
| 6-2 15/16 | 6-0 1/2 | 6-1 1/4 | 6-0 1/2 | 5-6/6-0 | 68 |  |  |  |  |

### UNIT SIZE INFORMATION

- FOR CLAD 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 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:

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

## CASEMENT - RADIUS ROUND TOP

ELEVATIONS : OPERATING / STATIONARY

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

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

4-3 9/16  
4-0 3/4  
4-0 3/4  
4-0 3/4  
4-0  
20

4-11 9/16  
4-8 3/4  
4-8 3/4  
4-8 3/4  
4-8  
24

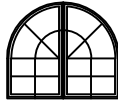
5-3 9/16  
5-0 3/4  
5-0 3/4  
5-0 3/4  
5-0  
26

4-3  
4-0 1/2  
4-1 1/4  
4-0 1/2  
2-0/4-0  
44



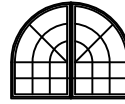
2020/44-2

4-3  
4-0 1/2  
4-1 1/4  
4-0 1/2  
1-8/4-0  
43



2416/44-2

4-3  
4-0 1/2  
4-1 1/4  
4-0 1/2  
1-6/4-0  
43



2614/44-2

4-9  
4-6 1/2  
4-7 1/4  
4-6 1/2  
2-6/4-6  
50



2026/50-2

4-9  
4-6 1/2  
4-7 1/4  
4-6 1/2  
2-2/4-6  
49



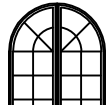
2422/50-2

4-9  
4-6 1/2  
4-7 1/4  
4-6 1/2  
2-0/4-6  
49



2620/50-2

5-3  
5-0 1/2  
5-1 1/4  
5-0 1/2  
3-0/5-0  
56



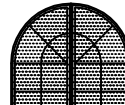
2032/56-2

5-3  
5-0 1/2  
5-1 1/4  
5-0 1/2  
2-8/5-0  
55



2428/56-2

5-3  
5-0 1/2  
5-1 1/4  
5-0 1/2  
2-6/5-0  
55



2626/56-2

5-9  
5-6 1/2  
5-7 1/4  
5-6 1/2  
3-6/5-6  
62



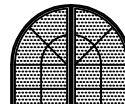
2038/62-2

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5-7 1/4  
5-6 1/2  
3-2/5-6  
61



2434/62-2

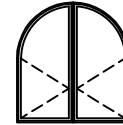
5-9  
5-6 1/2  
5-7 1/4  
5-6 1/2  
3-0/5-6  
61



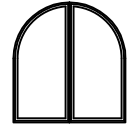
2632/62-2

OPERATION

RIGHT LEFT



OPERATOR



STATIONARY

### UNIT SIZE INFORMATION

#### FOR CLAD 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 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:

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