**Legend HBR Series**

**HBR CASEMENT - 14" WIDE**

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

### ELEVATIONS: OPERATING / PICTURE / STATIONARY

<table>
<thead>
<tr>
<th>Frame</th>
<th>Glass</th>
<th>Rough Opg</th>
<th>Masonry Opg</th>
<th>1-9 9/16</th>
<th>1-6 3/4</th>
<th>1-6</th>
<th>3-3 9/16</th>
<th>3-0 3/4</th>
<th>4-9 9/16</th>
<th>4-6 3/4</th>
<th>6-3 9/16</th>
<th>6-0 3/4</th>
<th>6-0</th>
<th>6-7 1/4</th>
<th>6-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>14</td>
<td>20</td>
<td>20</td>
<td>1420</td>
<td>1422</td>
<td>1420-2</td>
<td>1420-3</td>
<td>1420-4</td>
<td>1426</td>
<td>1426-2</td>
<td>1426-3</td>
<td>1426-4</td>
<td>1426</td>
<td>1426</td>
<td>1426</td>
</tr>
<tr>
<td>14</td>
<td>14</td>
<td>26</td>
<td>26</td>
<td>1432</td>
<td>1432-2</td>
<td>1432-3</td>
<td>1432-4</td>
<td>1438</td>
<td>1438-2</td>
<td>1438-3</td>
<td>1438-4</td>
<td>1438</td>
<td>1438</td>
<td>1438</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>14</td>
<td>32</td>
<td>32</td>
<td>1444</td>
<td>1444-2</td>
<td>1444-3</td>
<td>1444-4</td>
<td>1450</td>
<td>1450-2</td>
<td>1450-3</td>
<td>1450-4</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>14</td>
<td>38</td>
<td>38</td>
<td>1456</td>
<td>1456-2</td>
<td>1456-3</td>
<td>1456-4</td>
<td>1462</td>
<td>1462-2</td>
<td>1462-3</td>
<td>1462-4</td>
<td>1462</td>
<td>1462</td>
<td>1462</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>14</td>
<td>44</td>
<td>44</td>
<td>1468</td>
<td>1468-2</td>
<td>1468-3</td>
<td>1468-4</td>
<td>1474</td>
<td>1474-2</td>
<td>1474-3</td>
<td>1474-4</td>
<td>1474</td>
<td>1474</td>
<td>1474</td>
<td></td>
</tr>
</tbody>
</table>

### OTHER GRILLE PATTERNS

- **OPERATION**
  - LEFT
  - RIGHT

- **OPERATOR**
  - STATIONARY (AS VIEWED FROM EXTERIOR)

- **UNIT SIZE INFORMATION**
  - **180 BRICKMOULD**
    - ADD 2 13/16" TO FRAME WIDTH
    - ADD 2 7/16" TO FRAME HEIGHT
  - **3 1/2" FLAT CASING**
    - ADD 5 13/16" TO FRAME WIDTH
    - ADD 3 15/16" TO FRAME HEIGHT
  - **4 1/2" BACKBAND**
    - ADD 7 13/16" TO FRAME WIDTH
    - ADD 4 15/16" TO FRAME HEIGHT
  - **5 1/2" FLAT CASING**
    - ADD 9 13/16" TO FRAME WIDTH
    - ADD 5 15/16" TO FRAME HEIGHT
  - **WILLIAMSBURG**
    - ADD 5 3/8" TO FRAME WIDTH
    - ADD 3 11/16" TO FRAME HEIGHT
  - **PLANTATION**
    - ADD 5 3/8" TO FRAME WIDTH
    - ADD 5 15/16" TO FRAME HEIGHT

*ADD ADDITIONAL 1" FOR BULLNOSE SUBSILL

**NOTES:**

- MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

8/3/16
Legend HBR Series
HBR CASEMENT - 24" WIDE

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

Operation

LEFT
RIGHT

Operator
Stationary

Other Grille Patterns

Prairie
Diamond
2" Simulated Check Rail

Unit Size Information

180 Brickmould
- Add 2 13/16" to frame width
- Add 2 7/16" to frame height

3 1/2" Flat Casing
- Add 5 13/16" to frame width
- Add 3 15/16" to frame height

4 1/2" Backband
- Add 7 13/16" to frame width
- Add 4 15/16" to frame height

5 1/2" Flat Casing
- Add 9 13/16" to frame width
- Add 5 15/16" to frame height

Williamsburg
- Add 5 3/8" to frame width
- Add 3 11/16" to frame height

Plantation
- Add 5 13/16" to frame width
- Add 5 15/16" to frame height

* Add additional 1" for bullnose sub sill

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

Notes:
* Requires egress hardware to meet egress requirements.
Masonry openings are for standard 180 brickmould.
Shaded sizes meet most egress requirements. Verify local codes.

8/3/16
Legend HBR Series
HBR CASEMENT - 26" WIDE

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

<table>
<thead>
<tr>
<th>Frame Width</th>
<th>Glass Size</th>
<th>2-6 3/4</th>
<th>2-6</th>
<th>2-6 1/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-9 9/16</td>
<td>2-6 3/4</td>
<td>2-6 1/4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-6 3/4</td>
<td>2-6 3/4</td>
<td>2-6 1/4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-6 1/4</td>
<td>2-6 1/4</td>
<td>2-6 1/4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OPERATION

LEFT
RIGHT

OPERATOR
STATIONARY

(AS VIEWED FROM EXTERIOR)

OTHER GRILLE PATTERNS

PRAIRIE
DIAMOND
2" SIMULATED CHECK RAIL

PLAZA
DOUBLE PLAZA
TRIPLE PLAZA

UNIT SIZE INFORMATION

180 BRICKMOULD
- ADD 2 13/16" TO FRAME WIDTH
- ADD 2 7/16" TO FRAME HEIGHT

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

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

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

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

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.
MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD.
SHADED SIZES MEET MOST EGRESS REQUIREMENTS, VERIFY LOCAL CODES.

8/3/16
## Legend HBR Series

### HBR CASEMENT - 28" WIDE

**ELEVATIONS: OPERATING / PICTURE / STATIONARY**

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

<table>
<thead>
<tr>
<th>2-8 3/4</th>
<th>5-4 3/4</th>
<th>8-0 3/4</th>
<th>10-8 3/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-8</td>
<td>5-4</td>
<td>8-0</td>
<td>10-8</td>
</tr>
</tbody>
</table>

### OPERATIONAL OPTIONS

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

### OTHER GRILLE PATTERNS

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

### UNIT SIZE INFORMATION

- **180 BRICKMOULD**
  - ADD 2 13/16" TO FRAME WIDTH
  - ADD 2 7/16" TO FRAME HEIGHT
- **3 1/2" FLAT CASING**
  - ADD 5 13/16" TO FRAME WIDTH
  - ADD 3 15/16" TO FRAME HEIGHT
- **4 1/2" BACKBAND**
  - ADD 7 13/16" TO FRAME WIDTH
  - ADD 4 15/16" TO FRAME HEIGHT
- **5 1/2" FLAT CASING**
  - ADD 9 13/16" TO FRAME WIDTH
  - ADD 5 15/16" TO FRAME HEIGHT
- **WILLIAMSBURG**
  - ADD 5 3/8" TO FRAME WIDTH
  - ADD 3 11/16" TO FRAME HEIGHT
- **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

### COMMENTS:

**NOTES:**

- **REQUIRES EGRESS HARDWARE TO MEET EGRESS REQUIREMENTS.**
- **MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD.**
- **SHARED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES.**

*8/3/16*
Legend HBR Series

HBR CASEMENT - PICTURE

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

Other grille patterns:
- Prairie
- Diamond
- 2" Simulated Check Rail
- Plaza
- Double Plaza
- Triple Plaza

Unit size information:
- 180 Brick mould
  - Add 2 13/16" to frame width
  - Add 2 7/16" to frame height
- 3 1/2" Flat Casing
  - Add 5 13/16" to frame width
  - Add 3 15/16" to frame height
- 4 1/2" Backband
  - Add 7 13/16" to frame width
  - Add 4 15/16" to frame height
- 5 1/2" Flat Casing
  - Add 9 13/16" to frame width
  - Add 5 15/16" to frame height
- Williamsburg
  - Add 5 3/8" to frame width
  - Add 3 11/16" to frame height
- Plantation
  - Add 5 13/16" to frame width
  - Add 5 15/16" to frame height

* Add additional 1" for bullnose subsill

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

Notes:
Masonry openings are for standard 180 brick mould.
Legend HBR Series

HBR CASEMENT - TRANSOM

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

Frame
Masonry Opg.
Rough Opg.
Glass

1-4 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

1-6
1-8
2-0
2-4
2-6
2-8
3-0

14
16
20
24
26
28
32

OTHER GRILLE PATTERNS

DIAMOND

FRANKIE
PLAZA

UNIT SIZE INFORMATION

180 BRICKMOULD
 ■ ADD 2 13/16" TO FRAME WIDTH
 ■ ADD 2 7/16" TO FRAME HEIGHT

3 1/2" FLAT CASING
 ■ ADD 5 13/16" TO FRAME WIDTH
 ■ ADD 3 15/16" TO FRAME HEIGHT

4 1/2" BACKBAND
 ■ ADD 7 13/16" TO FRAME WIDTH
 ■ ADD 4 15/16" TO FRAME HEIGHT

5 1/2" FLAT CASING
 ■ ADD 9 13/16" TO FRAME WIDTH
 ■ ADD 5 15/16" TO FRAME HEIGHT

WILLIAMSBURG
 ■ ADD 5 3/8" TO FRAME WIDTH
 ■ ADD 3 11/16" TO FRAME HEIGHT

PLANTATION
 ■ ADD 5 13/16" TO FRAME WIDTH
 ■ ADD 5 15/16" TO FRAME HEIGHT

* ADD ADDITIONAL 1" FOR BULLNOSE SUBSEAL

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

NOTES:
MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

8/3/16
### Legend HBR Series

**HBR CASEMENT - TRANSOM**

**ELEVATIONS**

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

<table>
<thead>
<tr>
<th>Masonry Ogp</th>
<th>Frame Ogp</th>
<th>Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-9 9/16</td>
<td>3-6 3/4</td>
<td>44</td>
</tr>
<tr>
<td>4-3 9/16</td>
<td>4-0 3/4</td>
<td>50</td>
</tr>
<tr>
<td>4-9 9/16</td>
<td>4-6 3/4</td>
<td>56</td>
</tr>
<tr>
<td>5-3 9/16</td>
<td>5-0 3/4</td>
<td>68</td>
</tr>
<tr>
<td>6-3 9/16</td>
<td>6-0 3/4</td>
<td>68</td>
</tr>
</tbody>
</table>

**Frame**

<table>
<thead>
<tr>
<th>Rough Ogp</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-0</td>
<td>6</td>
</tr>
<tr>
<td>1-1 1/4</td>
<td>10</td>
</tr>
<tr>
<td>1-3 1/4</td>
<td>12</td>
</tr>
<tr>
<td>1-5 1/4</td>
<td>14</td>
</tr>
<tr>
<td>1-7 1/4</td>
<td>16</td>
</tr>
<tr>
<td>2-1 1/4</td>
<td>20</td>
</tr>
<tr>
<td>2-5 1/4</td>
<td>24</td>
</tr>
<tr>
<td>2-7 1/4</td>
<td>28</td>
</tr>
</tbody>
</table>

**Other Grille Patterns**
- **PRAIRIE**
- **PLAZA**
- **DIAMOND**

**Unit Size Information**

- **180 BRICKMOULD**
  - ADD 2 13/16" TO FRAME WIDTH
  - ADD 2 7/16" TO FRAME HEIGHT

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

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

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

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

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

* Add additional 1" for Bullnose Sub sill

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

---

**Notes:**
Masonry openings are for standard 180 Brickmould