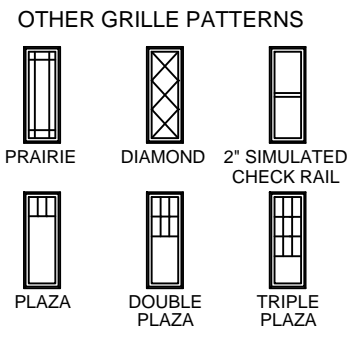
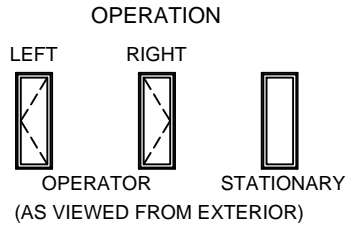


# Legend HBR Series

## HBR CASEMENT - 14" WIDE

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

Masonry Opng.	1-9 9/16	3-3 9/16	4-9 9/16	6-3 9/16
Rough Opng.	1-6 3/4	3-0 3/4	4-6 3/4	6-0 3/4
Frame	1-6	3-0	4-6	6-0
Glass	14	14	14	14
2-2 15/16	1420	1420-2	1420-3	1420-4
2-8 15/16	1426	1426-2	1426-3	1426-4
3-2 15/16	1432	1432-2	1432-3	1432-4
3-8 15/16	1438	1438-2	1438-3	1438-4
4-2 15/16	1444	1444-2	1444-3	1444-4
4-8 15/16	1450	1450-2	1450-3	1450-4
5-2 15/16	1456	1456-2	1456-3	1456-4
5-8 15/16	1462	1462-2	1462-3	1462-4
6-2 15/16	1468	1468-2	1468-3	1468-4
6-8 15/16	1474	1474-2	1474-3	1474-4



**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 SUBSILL

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

NOTES:  
 MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

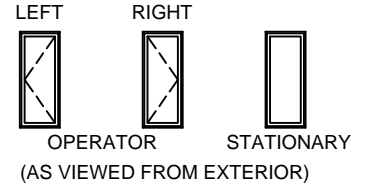
# Legend HBR Series

## HBR CASEMENT - 16" WIDE

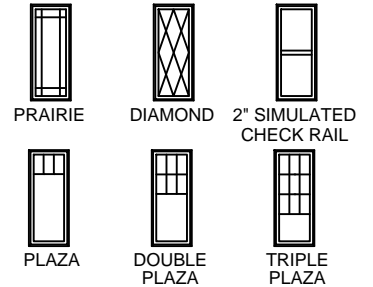
ELEVATIONS : OPERATING / PICTURE / STATIONARY  
 SCALE: 1/8" = 1'-0"

	Masonry Opng.	Rough Opng.	Frame	Glass				
1-11 9/16	1-8 3/4	1-8	16					
3-7 9/16	3-4 3/4	3-4	16					
5-3 9/16	5-0 3/4	5-0	16					
6-11 9/16	6-8 3/4	6-8	16					
2-2 15/16	2-1 1/4	2-0	20					
1620					1620	1620-2	1620-3	1620-4
2-8 15/16	2-7 1/4	2-6	26					
1626					1626	1626-2	1626-3	1626-4
3-2 15/16	3-1 1/4	3-0	32					
1632					1632	1632-2	1632-3	1632-4
3-8 15/16	3-7 1/4	3-6	38					
1638					1638	1638-2	1638-3	1638-4
4-2 15/16	4-1 1/4	4-0	44					
1644					1644	1644-2	1644-3	1644-4
4-8 15/16	4-7 1/4	4-6	50					
1650					1650	1650-2	1650-3	1650-4
5-2 15/16	5-1 1/4	5-0	56					
1656					1656	1656-2	1656-3	1656-4
5-8 15/16	5-7 1/4	5-6	62					
1662					1662	1662-2	1662-3	1662-4
6-2 15/16	6-1 1/4	6-0	68					
1668					1668	1668-2	1668-3	1668-4
6-8 15/16	6-7 1/4	6-6	74					
1674					1674	1674-2	1674-3	1674-4

### OPERATION



### OTHER GRILLE PATTERNS



### 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 SUBSILL

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

NOTES:  
 MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

# Legend HBR Series

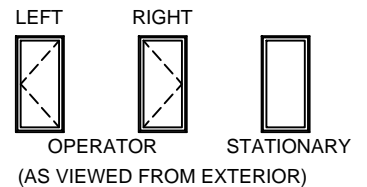
## HBR CASEMENT - 20" WIDE

ELEVATIONS : OPERATING / PICTURE / STATIONARY

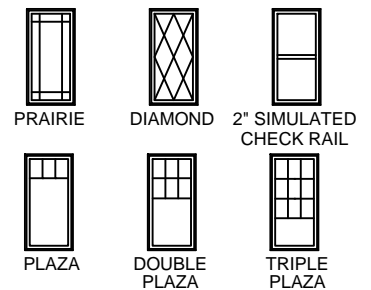
SCALE: 1/8" = 1'-0"

	Masonry Opg.	2-3 9/16	4-3 9/16	6-3 9/16	8-3 9/16		
	Rough Opg.	2-0 3/4	4-0 3/4	6-0 3/4	8-0 3/4		
	Frame	2-0	4-0	6-0	8-0		
	Glass	20	20	20	20		
2-2 15/16	2-1 1/4	2-0	20				
				2020	2020-2	2020-3	2020-4
2-8 15/16	2-7 1/4	2-6	26				
				2026	2026-2	2026-3	2026-4
3-2 15/16	3-1 1/4	3-0	32				
				2032	2032-2	2032-3	2032-4
3-8 15/16	3-7 1/4	3-6	38				
				2038	2038-2	2038-3	2038-4
4-2 15/16	4-1 1/4	4-0	44				
				2044	2044-2	2044-3	2044-4
4-8 15/16	4-7 1/4	4-6	50				
				2050	2050-2	2050-3	2050-4
5-2 15/16	5-1 1/4	5-0	56				
				2056	2056-2	2056-3	2056-4
5-8 15/16	5-7 1/4	5-6	62				
				2062	2062-2	2062-3	2062-4
6-2 15/16	6-1 1/4	6-0	68				
				2068	2068-2	2068-3	2068-4
6-8 15/16	6-7 1/4	6-6	74				
				2074	2074-2	2074-3	2074-4

### OPERATION



### OTHER GRILLE PATTERNS



### 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 SUBSILL

### NOTE:

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

### NOTES:

MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

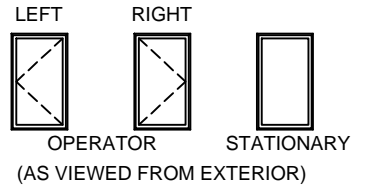
# Legend HBR Series

## HBR CASEMENT - 24" WIDE

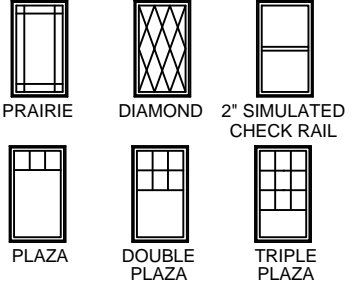
ELEVATIONS : OPERATING / PICTURE / STATIONARY  
 SCALE: 1/8" = 1'-0"

Masonry Opq.	2-7 9/16	4-11 9/16	7-3 9/16	9-7 9/16			
Rough Opq.	2-4 3/4	4-8 3/4	7-0 3/4	9-4 3/4			
Frame	2-4	4-8	7-0	9-4			
Glass	24	24	24	24			
2-2 15/16	2-1 1/4	2-0	20				
2420	2420-2	2420-3	2420-4				
2-8 15/16	2-7 1/4	2-6	26				
2426	2426-2	2426-3	2426-4				
3-2 15/16	3-1 1/4	3-0	32				
2432	2432-2	2432-3	2432-4				
3-8 15/16	3-7 1/4	3-6	38				
2438	2438-2	2438-3	2438-4				
4-2 15/16	4-1 1/4	4-0	44				
2444*	2444-2	2444-3	2444-4				
4-8 15/16	4-7 1/4	4-6	50				
2450*	2450-2	2450-3	2450-4				
5-2 15/16	5-1 1/4	5-0	56				
2456*	2456-2	2456-3	2456-4				
5-8 15/16	5-7 1/4	5-6	62				
2462*	2462-2	2462-3	2462-4				
6-2 15/16	6-1 1/4	6-0	68				
2468*	2468-2	2468-3	2468-4				
6-8 15/16	6-7 1/4	6-6	74				
2474*	2474-2	2474-3	2474-4				

### OPERATION



### OTHER GRILLE PATTERNS



### 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 SUBSILL

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


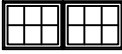
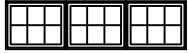














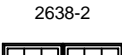
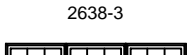
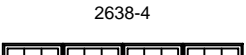






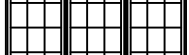
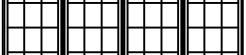










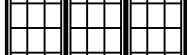

NOTES:  
 \* REQUIRES EGRESS HARDWARE TO MEET EGRESS REQUIREMENTS.  
 MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD.  
 SHADED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES.

# Legend HBR Series

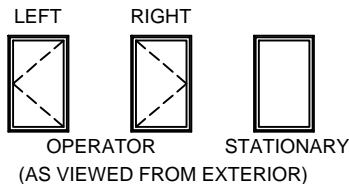
## HBR CASEMENT - 26" WIDE

ELEVATIONS : OPERATING / PICTURE / STATIONARY

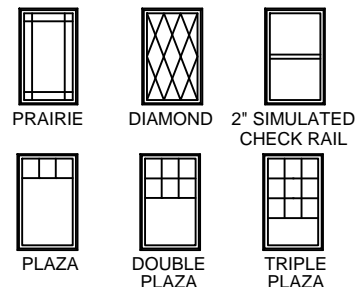
SCALE: 1/8" = 1'-0"

Masonry Oppg.	2-9 9/16	5-3 9/16	7-9 9/16	10-3 9/16
Rough Oppg.	2-6 3/4	5-0 3/4	7-6 3/4	10-0 3/4
Frame	2-6	5-0	7-6	10-0
Glass	26	26	26	26
2-2 15/16	2-1 1/4	2-0	20	 2620  2620-2  2620-3  2620-4
2-8 15/16	2-7 1/4	2-6	26	 2626  2626-2  2626-3  2626-4
3-2 15/16	3-1 1/4	3-0	32	 2632  2632-2  2632-3  2632-4
3-8 15/16	3-7 1/4	3-6	38	 2638*  2638-2  2638-3  2638-4
4-2 15/16	4-1 1/4	4-0	44	 2644  2644-2  2644-3  2644-4
4-8 15/16	4-7 1/4	4-6	50	 2650  2650-2  2650-3  2650-4
5-2 15/16	5-1 1/4	5-0	56	 2656  2656-2  2656-3  2656-4
5-8 15/16	5-7 1/4	5-6	62	 2662  2662-2  2662-3  2662-4
6-2 15/16	6-1 1/4	6-0	68	 2668  2668-2  2668-3  2668-4
6-8 15/16	6-7 1/4	6-6	74	 2674  2674-2  2674-3  2674-4

### OPERATION



### OTHER GRILLE PATTERNS



### 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 SUBSILL

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.

2674 UNITS AVAILABLE  
AS FIXED UNITS ONLY

# Legend HBR Series

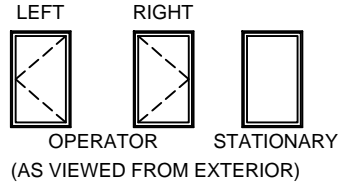
## HBR CASEMENT - 28" WIDE

ELEVATIONS : OPERATING / PICTURE / STATIONARY

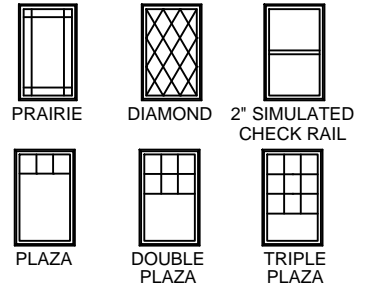
SCALE: 1/8" = 1'-0"

Masonry Opening Rough Opg. Frame Glass	2-11 9/16	5-7 9/16	8-3 9/16	10-11 9/16
	2-8 3/4	5-4 3/4	8-0 3/4	10-8 3/4
	2-8	5-4	8-0	10-8
	28	28	28	28
2-2 15/16 2-1 1/4 2-0				
2-8 15/16 2-7 1/4 2-6				
3-2 15/16 3-1 1/4 3-0				
3-8 15/16 3-7 1/4 3-6				
4-2 15/16 4-1 1/4 4-0				
4-8 15/16 4-7 1/4 4-6				
5-2 15/16 5-1 1/4 5-0				
5-8 15/16 5-7 1/4 5-6				
6-2 15/16 6-1 1/4 6-0				
6-8 15/16 6-7 1/4 6-6				

### OPERATION



### OTHER GRILLE PATTERNS



### 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 SUBSILL

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

2674 UNITS AVAILABLE  
AS FIXED UNITS ONLY

NOTES:  
\*\* REQUIRES EGRESS HARDWARE TO MEET EGRESS REQUIREMENTS.  
MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD.  
SHADED SIZES MEET MOST EGRESS REQUIREMENTS. VERIFY LOCAL CODES.

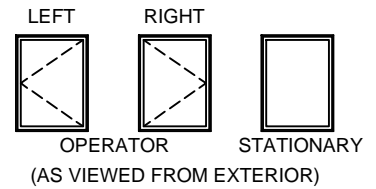
# Legend HBR Series

## HBR CASEMENT - 32" WIDE

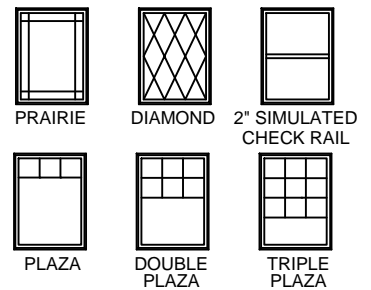
ELEVATIONS : OPERATING / PICTURE / STATIONARY  
 SCALE: 1/8" = 1'-0"

Masonry Opg. Rough Opg. 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	6-0	9-0	12-0
	32	32	32	32
2-2 15/16 2-1 1/4 2-0 20	3220	3220-2	3220-3	3220-4
2-8 15/16 2-7 1/4 2-6 26	3226	3226-2	3226-3	3226-4
3-2 15/16 3-1 1/4 3-0 32	3232	3232-2	3232-3	3232-4
3-8 15/16 3-7 1/4 3-6 38	3238	3238-2	3238-3	3238-4
4-2 15/16 4-1 1/4 4-0 44	3244	3244-2	3244-3	3244-4
4-8 15/16 4-7 1/4 4-6 50	3250	3250-2	3250-3	3250-4
5-2 15/16 5-1 1/4 5-0 56	3256	3256-2	3256-3	3256-4
5-8 15/16 5-7 1/4 5-6 62	3262	3262-2	3262-3	3262-4
6-2 15/16 6-1 1/4 6-0 68	3268	3268-2	3268-3	3268-4
6-8 15/16 6-7 1/4 6-6 74	3274	3274-2	3274-3	3274-4

### OPERATION



### OTHER GRILLE PATTERNS



### 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 SUBSILL

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

### NOTES:

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









































3274 UNITS AVAILABLE  
 AS FIXED UNITS ONLY

# Legend HBR Series

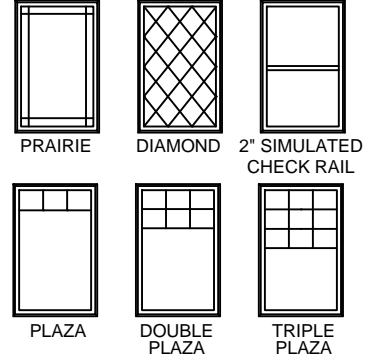
## HBR CASEMENT - PICTURE

### ELEVATIONS

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

Masonry Opq. Rough Opq. Frame Glass	3-9 9/16	4-3 9/16	4-9 9/16	5-3 9/16	6-3 9/16
	3-6 3/4	4-0 3/4	4-6 3/4	5-0 3/4	6-0 3/4
	3-6	4-0	4-6	5-0	6-0
	38	44	50	56	68
3-2 15/16 3-1 1/4 3-0 32	 3832	 4432	 5032	 5632	 6832
3-8 15/16 3-7 1/4 3-6 38	 3838	 4438	 5038	 5638	 6838
4-2 15/16 4-1 1/4 4-0 44	 3844	 4444	 5044	 5644	 6844
4-8 15/16 4-7 1/4 4-6 50	 3850	 4450	 5050	 5650	 6850
5-2 15/16 5-1 1/4 5-0 56	 3856	 4456	 5056	 5656	 6856
5-8 15/16 5-7 1/4 5-6 62	 3862	 4462	 5062	 5662	 6862
6-2 15/16 6-1 1/4 6-0 68	 3868	 4468	 5068	 5668	 6868
6-8 15/16 6-7 1/4 6-6 74	 3874	 4474	 5074	 5674	 6874

### OTHER GRILLE PATTERNS



### 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 SUBSILL

#### NOTE:

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

#### NOTES:

MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD



# Legend HBR Series

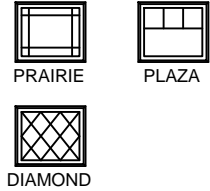
## HBR CASEMENT - TRANSOM

### ELEVATIONS

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

	Masonry Opg.	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		
	Rough Opg.	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		
	Frame	1-6	1-8	2-0	2-4	2-6	2-8	3-0		
	Glass	14	16	20	24	26	28	32		
1-2 15/16	1-1 1/4	1-0	8							
1-4 15/16	1-3 1/4	1-2	10							
1-6 15/16	1-5 1/4	1-4	12							
1-8 15/16	1-7 1/4	1-6	14							
1-10 15/16	1-9 1/4	1-8	16							
2-2 15/16	2-1 1/4	2-0	20							
2-6 15/16	2-5 1/4	2-4	24							
2-8 15/16	2-7 1/4	2-6	26							

### OTHER GRILLE PATTERNS



### 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 SUBSILL

### NOTE:

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

### NOTES:









































MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD

# Legend HBR Series

## HBR CASEMENT - TRANSOM

### ELEVATIONS

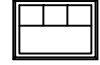
SCALE: 1/8" = 1'-0"

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

### 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 SUBSILL

### NOTE:

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

### NOTES:

MASONRY OPENINGS ARE FOR STANDARD 180 BRICKMOULD