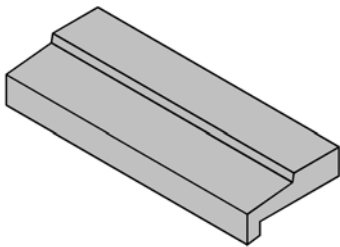
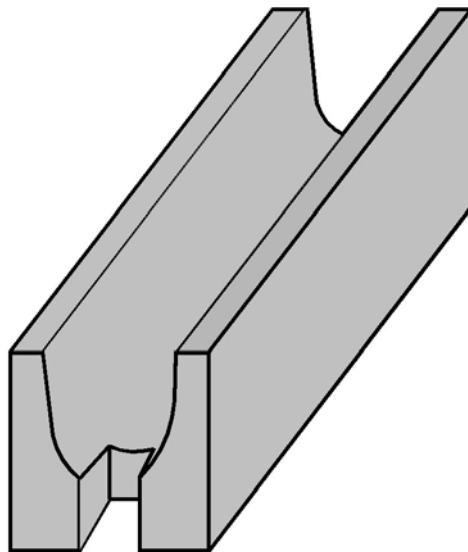


"LEADERS IN THE PRECAST INDUSTRY"™

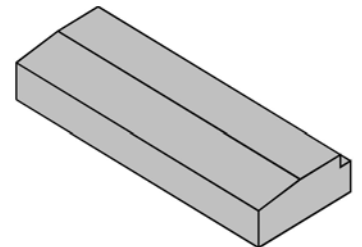
# PRECAST CONCRETE PRODUCTS



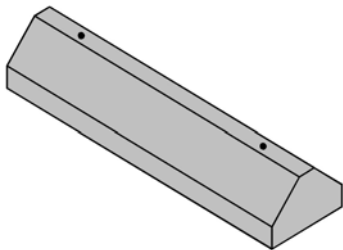
**SILLS**



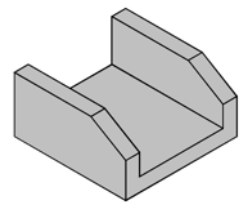
**U - LINTELS**



**THRESHOLDS**



**PARKING BUMPERS**



**SCUPPERS**



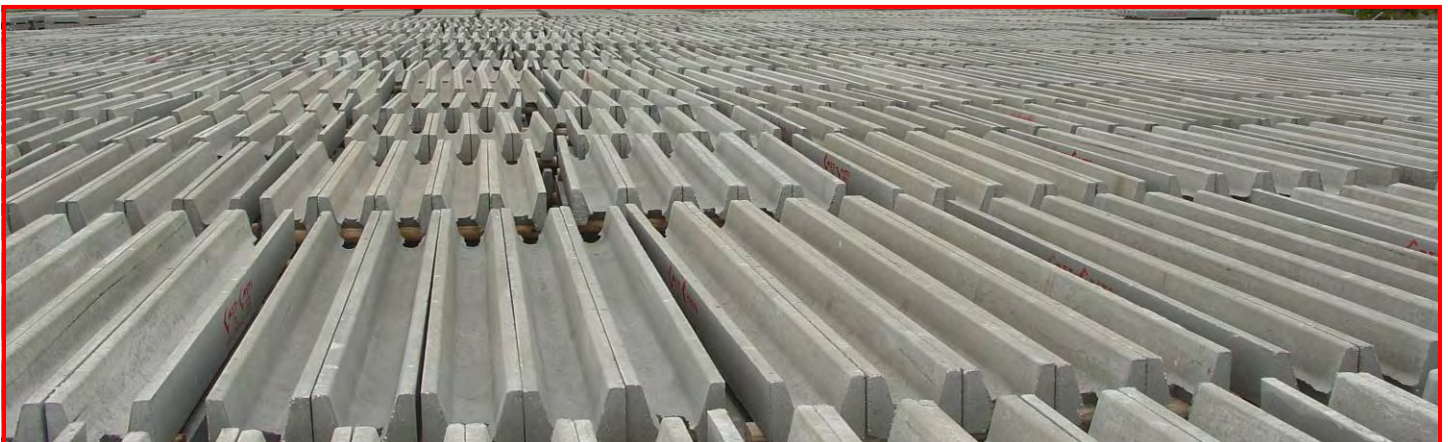
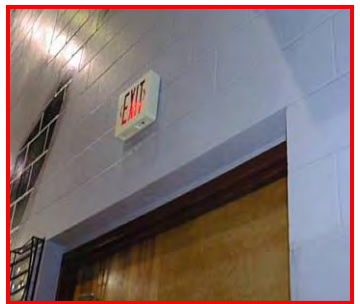
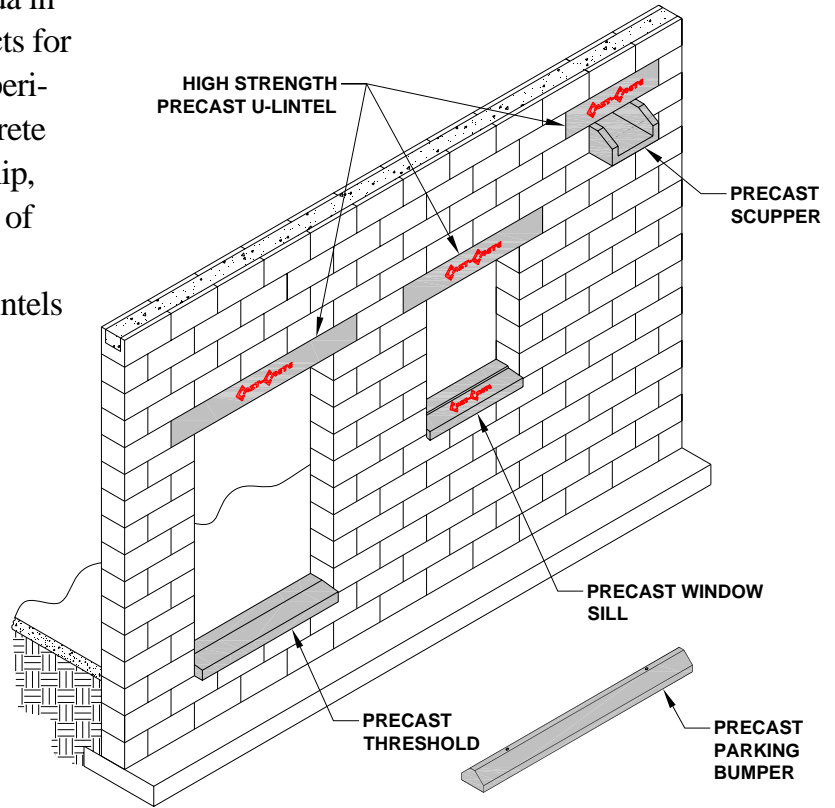
# COMPANY HISTORY

Cast-Crete was founded in Tampa Bay, Florida in 1955 as a producer of precast concrete products for the building industry. With over 60 years experience, Cast-Crete is known in the precast concrete industry for its extensive knowledge, leadership, and innovation. Cast-Crete pioneered the use of precast concrete U - Lintels and today is the world's largest producer of precast concrete lintels and sills.

# TECHNICAL SUPPORT

VISIT [WWW.CASTCRETE.COM](http://WWW.CASTCRETE.COM) FOR:

- Additional product literature
- Technical support contact information
- Free National Concrete Masonry Association E-TEK manual
- And more.....



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# CORPORATE POLICY

Every concrete products producer in America claims to sell quality products at competitive prices, and to back up all orders with superior service.

Cast-Crete also has these policies. But we say it this way:

1. **QUALITY:** Cast-Crete guarantees that every lintel and sill it sells meets or exceeds all known federal, state, and local strength and quality specifications. Should tests prove any failure to meet such specifications, Cast-Crete, at its own expense, will replace "IN THE WALL" all units supplied to the job.

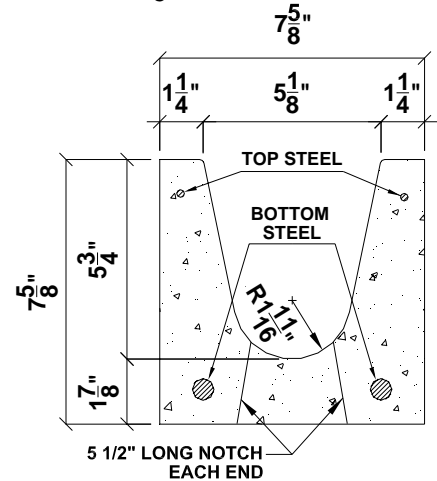
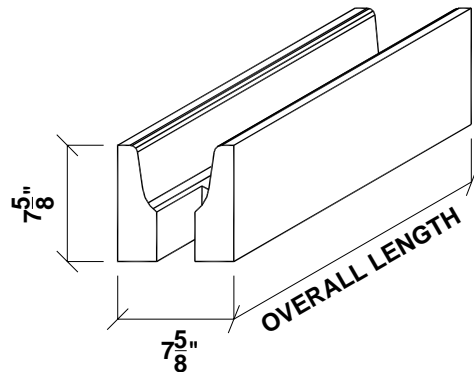
2. **SERVICE:** Cast-Crete guarantees delivery as promised on every lintel and sill order on the agreed delivery date. If we fail to perform on any guaranteed delivery, Cast-Crete will pay for any resulting unproductive labor charges. Money talks. We don't claim to be perfect. But if you lose through our failure, you can look to us to pay the bill.

3. **GUARANTEE:** Cast-Crete's lintels and sills are guaranteed against any and all defects in work-manship and/or materials for the lifetime of the structure into which they are properly installed.

## 8" PRECAST U-LINTELS STANDARD LENGTHS

OVERALL LENGTH	TOP STEEL	BOTTOM STEEL
3'-0"	2 -7/32" wire	2 -#3 rebar
3'-4"	2 -7/32" wire	2 -#3 rebar
3'-6"	2 -7/32" wire	2 -#3 rebar
4'-0"	2 -7/32" wire	2 -#3 rebar
4'-6"	2 -7/32" wire	2 -#3 rebar
4'-8"	2 -7/32" wire	2 -#3 rebar
5'-4"	2 -7/32" wire	2 -#3 rebar
5'-10"	2 -7/32" wire	2 -#3 rebar
6'-0"	2 -7/32" wire	2 -#4 rebar
6'-6"	2 -7/32" wire	2 -#4 rebar
6'-8"	2 -7/32" wire	2 -#4 rebar
7'-4"	2 -7/32" wire	2 -#4 rebar
7'-6"	2 -7/32" wire	2 -#4 rebar
8'-0"	2 -#3 rebar	2 -#4 rebar
8'-8"	2 -#3 rebar	2 -#4 rebar
9'-4"	2 -#3 rebar	2 -#4 rebar
10'-0"	2 -#3 rebar	2 -#4 rebar
10'-6"	2 -#3 rebar	2 -#4 rebar
10'-8"	2 -#3 rebar	2 -#5 rebar
11'-4"	2 -#3 rebar	2 -#5 rebar
12'-0"	2 -#3 rebar	2 -#5 rebar
13'-4"	2 -#3 rebar	2 -#5 rebar
14'-0"	2 -#3 rebar	2 -#5 rebar

Additional lengths available by special order



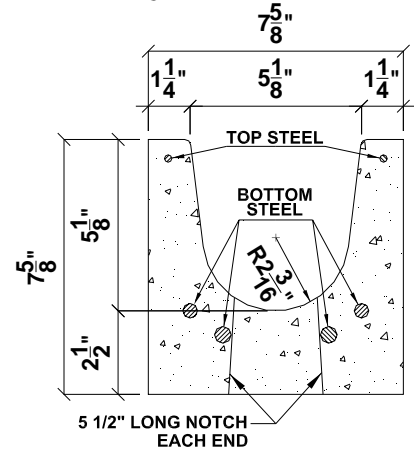
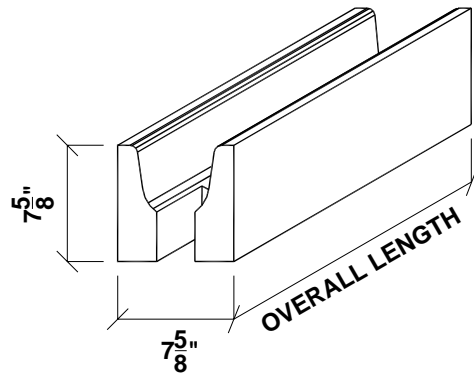
Rebar: ASTM A615 Grade 60  
 Wire: ASTM A510  
 Concrete Strength: 4000 psi  
 Average Self Weight: 33 plf  
 Finish: Grey Block

## 8" PRESTRESSED U-LINTELS STANDARD LENGTHS

OVERALL LENGTH	TOP STEEL	BOTTOM STEEL
14'-8"	NONE	2 -7/16 strand
15'-4"	NONE	2 -7/16 strand
17'-4"	NONE	2 -7/16 strand
19'-4"	2 -7/32" wire	2 -7/16 strand
21'-4"	2 -7/32" wire	2 -7/16 strand 2 - #4 rebar
22'-0"	2 -7/32" wire	2 -7/16 strand 2 - #4 rebar
24'-0"	2 -7/32" wire	2 -7/16 strand 2 - #4 rebar

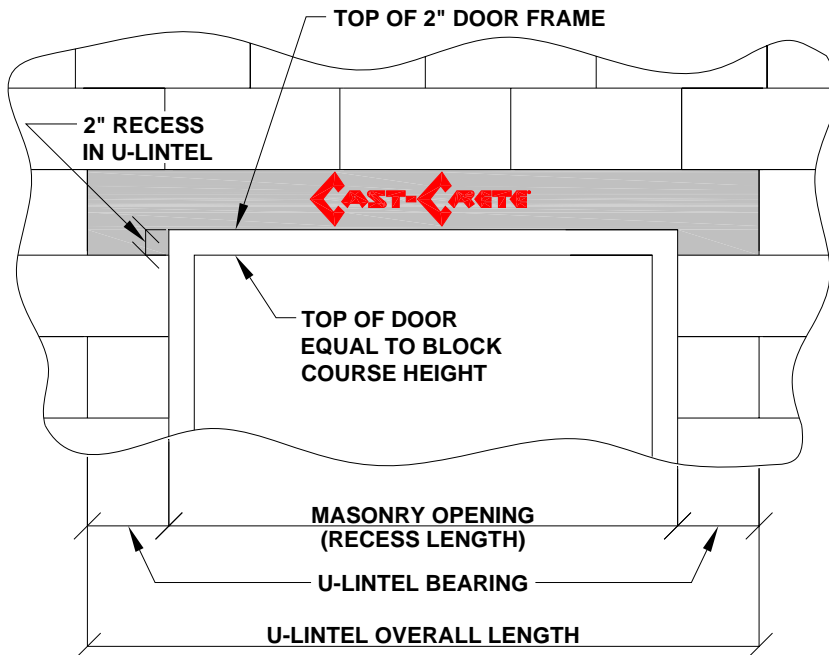
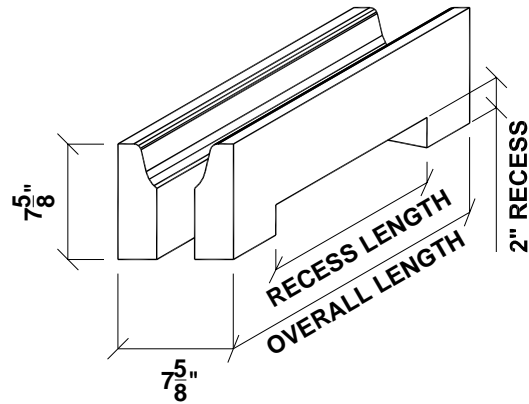
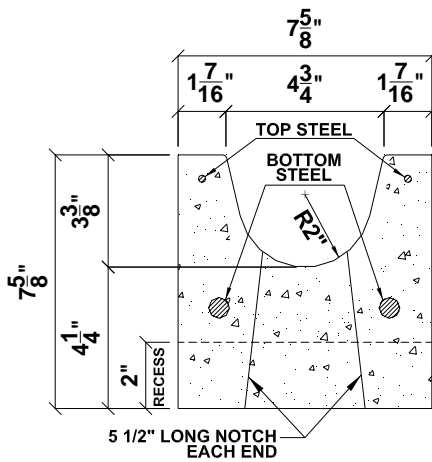
Additional lengths available by special order

Rebar: ASTM A615 Grade 60  
 Wire: ASTM A510  
 Strand: ASTM A416 Grade 270  
 Concrete Strength: 6000 psi  
 Synthetic Fibers: 2.5 lbs/yd  
 Average Self Weight: 37 plf  
 Finish: Grey Smooth Form



OVERALL LENGTH	RECESS LENGTH	DOOR SIZE	TOP STEEL	BOTTOM STEEL
3'-8"	2'-4"	2'-0"	2 -7/32" wire	2 -#3 rebar
4'-0"	2'-8"	2'-4"	2 -7/32" wire	2 -#3 rebar
4'-4"	3'-0"	2'-8"	2 -7/32" wire	2 -#3 rebar
4'-6"	3'-4"	3'-0"	2 -7/32" wire	2 -#3 rebar
5'-8"	4'-4"	4'-0"	2 -7/32" wire	2 -#3 rebar
5'-10"	4'-8"	3'-0" W/12" sidelite	2 -7/32" wire	2 -#3 rebar
6'-8"	5'-4"	5'-0"	2 -#3 rebar	2 -#4 rebar
7'-0"	5'-8"	5'-4"	2 -#3 rebar	2 -#4 rebar
7'-6"	6'-4"	6'-0"	2 -#3 rebar	2 -#4 rebar
9'-8"	8'-4"	8'-0"	2 -#3 rebar	2 -#4 rebar

Additional lengths available by special order



**TYPICAL USE**

**Rebar:** ASTM A615 Grade 60  
**Wire:** ASTM A510  
**Concrete Strength:** 4000 psi  
**Average Self Weight:** 29 plf  
**Finish:** Grey Block

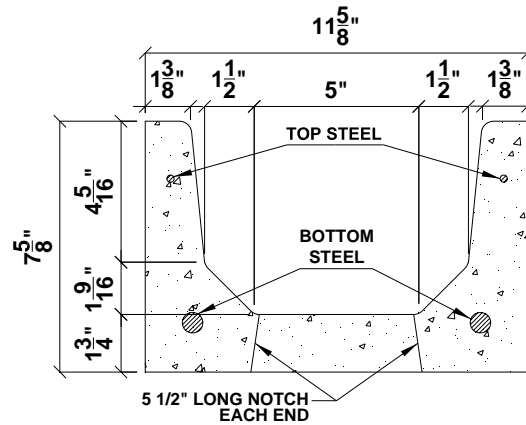
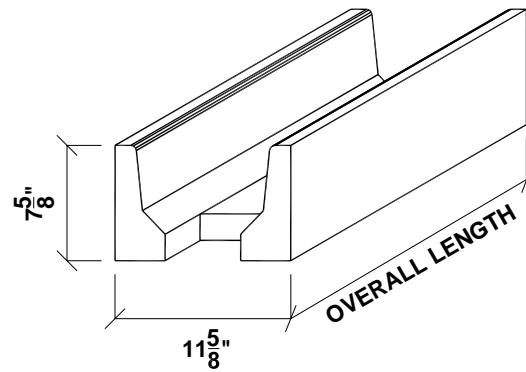
**Note:** 2" recess door U-lintels are used where the top of the door is equal to the block course height with a 2" door frame.

# 12" PRECAST U-LINTELS STANDARD LENGTHS

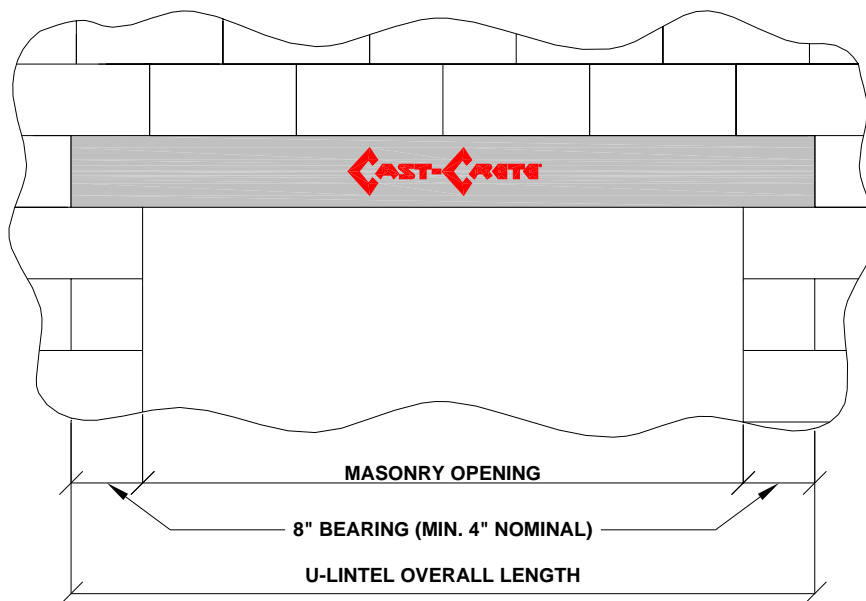


OVERALL LENGTH	TOP STEEL	BOTTOM STEEL
3'-4"	2 -7/32" wire	2 -#5 rebar
3'-6"	2 -7/32" wire	2 -#5 rebar
4'-0"	2 -7/32" wire	2 -#5 rebar
4'-6"	2 -7/32" wire	2 -#5 rebar
4'-8"	2 -7/32" wire	2 -#5 rebar
5'-4"	2 -7/32" wire	2 -#5 rebar
5'-10"	2 -7/32" wire	2 -#5 rebar
6'-0"	2 -7/32" wire	2 -#5 rebar
6'-6"	2 -7/32" wire	2 -#5 rebar
6'-8"	2 -7/32" wire	2 -#5 rebar
7'-4"	2 -7/32" wire	2 -#5 rebar
7'-6"	2 -7/32" wire	2 -#5 rebar
8'-0"	2 -#3 rebar	2 -#5 rebar
8'-8"	2 -#3 rebar	2 -#5 rebar
9'-4"	2 -#3 rebar	2 -#5 rebar
10'-6"	2 -#3 rebar	2 -#5 rebar
10'-8"	2 -#3 rebar	2 -#5 rebar
11'-4"	2 -#3 rebar	2 -#5 rebar
12'-0"	2 -#3 rebar	2 -#5 rebar
13'-4"	2 -#3 rebar	2 -#5 rebar
14'-0"	2 -#3 rebar	2 -#5 rebar
14'-8"	2 -#3 rebar	2 -#5 rebar
15'-4"	2 -#3 rebar	2 -#5 rebar
17'-4"	2 -#3 rebar	2 -#5 rebar
19'-4"	2 -#3 rebar	2 -#5 rebar

Additional lengths available by special order



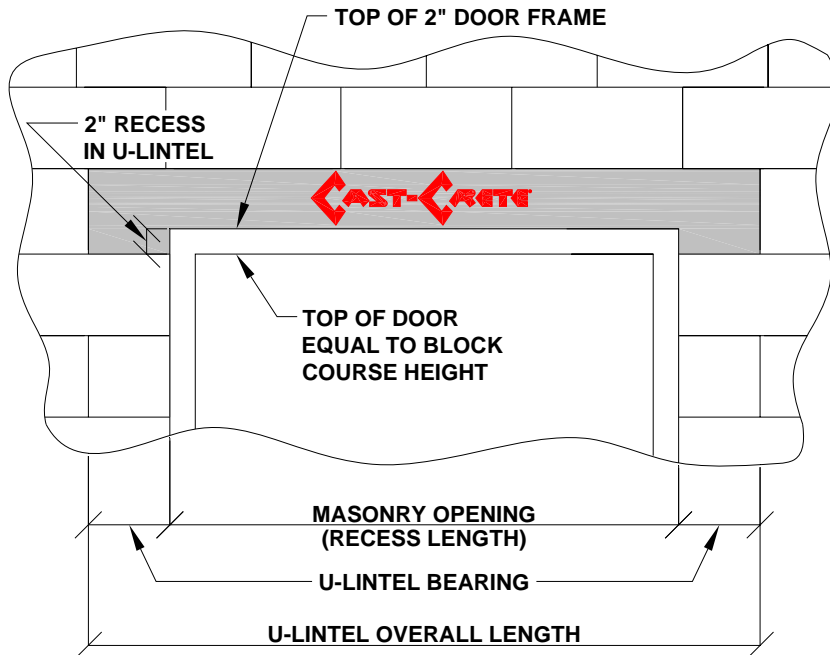
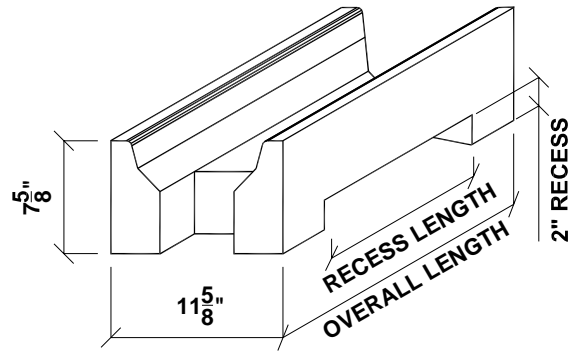
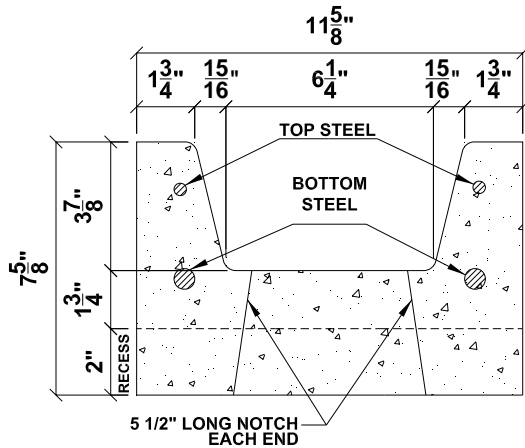
**Rebar:** ASTM A615 Grade 60  
**Wire:** ASTM A510  
**Concrete Strength:** 6000 psi  
**Average Self Weight:** 44 plf  
**Finish:** Grey Smooth Form



**TYPICAL USE**

OVERALL LENGTH	RECESS LENGTH	DOOR SIZE	TOP STEEL	BOTTOM STEEL
4'-0"	2'-8"	2'-4"	2 -7/32" wire	2 -#5 rebar
4'-4"	3'-0"	2'-8"	2 -7/32" wire	2 -#5 rebar
4'-6"	3'-4"	3'-0"	2 -7/32" wire	2 -#5 rebar
5'-8"	4'-4"	4'-0"	2 -7/32" wire	2 -#5 rebar
6'-8"	5'-4"	5'-0"	2 -7/32" wire	2 -#5 rebar
7'-0"	5'-8"	5'-4"	2 -7/32" wire	2 -#5 rebar
7'-6"	6'-4"	6'-0"	2 -7/32" wire	2 -#5 rebar
9'-8"	8'-4"	8'-0"	2 -#3 rebar	2 -#5 rebar

Additional lengths available by special order



TYPICAL USE

**Rebar:** ASTM A615 Grade 60  
**Wire:** ASTM A510  
**Concrete Strength:** 6000 psi  
**Average Self Weight:** 39 plf  
**Finish:** Grey Smooth Form

**Note:** 2" recess door U-lintels are used where the top of the door is equal to the block course height with a 2" door frame.

**10" PRECAST U-LINTELS**

10" Precast U-Lintels are custom made to order. Contact Cast-Crete for additional information.

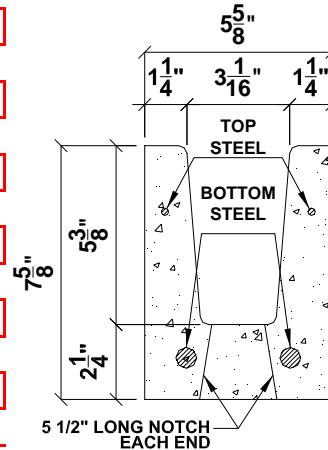
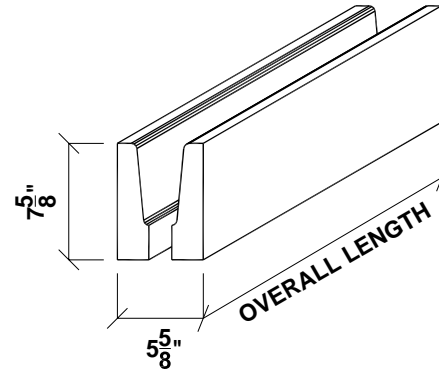
# 6" PRECAST U-LINTELS

## STANDARD LENGTHS



OVERALL LENGTH	TOP STEEL	BOTTOM STEEL
3'-4"	2 -7/32" wire	2 -#3 rebar
3'-6"	2 -7/32" wire	2 -#3 rebar
4'-0"	2 -7/32" wire	2 -#3 rebar
4'-6"	2 -7/32" wire	2 -#3 rebar
4'-8"	2 -7/32" wire	2 -#3 rebar
5'-4"	2 -7/32" wire	2 -#3 rebar
5'-10"	2 -7/32" wire	2 -#3 rebar
6'-0"	2 -7/32" wire	2 -#4 rebar
6'-6"	2 -7/32" wire	2 -#4 rebar
6'-8"	2 -7/32" wire	2 -#4 rebar
7'-4"	2 -7/32" wire	2 -#4 rebar
7'-6"	2 -7/32" wire	2 -#4 rebar
8'-0"	2 -#3 rebar	2 -#4 rebar
8'-8"	2 -#3 rebar	2 -#4 rebar
9'-4"	2 -#3 rebar	2 -#4 rebar
10'-6"	2 -#3 rebar	2 -#4 rebar
10'-8"	2 -#3 rebar	2 -#5 rebar
11'-4"	2 -#3 rebar	2 -#5 rebar
12'-0"	2 -#3 rebar	2 -#5 rebar
13'-4"	2 -#3 rebar	2 -#5 rebar
14'-0"	2 -#3 rebar	2 -#5 rebar
17'-4"	2 -#3 rebar	2 -#5 rebar

Additional lengths available by special order



**Rebar:** ASTM A615 Grade 60  
**Wire:** ASTM A510  
**Concrete Strength:** 6000 psi  
**Average Self Weight:** 30 plf  
**Finish:** Grey Smooth Form

## U-LINTEL PRODUCT DESCRIPTION

High strength precast and prestressed concrete U-Shape lintels designed to be used unfilled or filled with grout to form a composite reinforced beam using concrete masonry units.

## U-LINTELS BENEFITS

**LABOR SAVINGS** - Set one U-Lintel in lieu of multiple concrete masonry units.

**TIME SAVINGS** - No waiting for shoring to be installed. Just set the lintel and continue with the next courses.

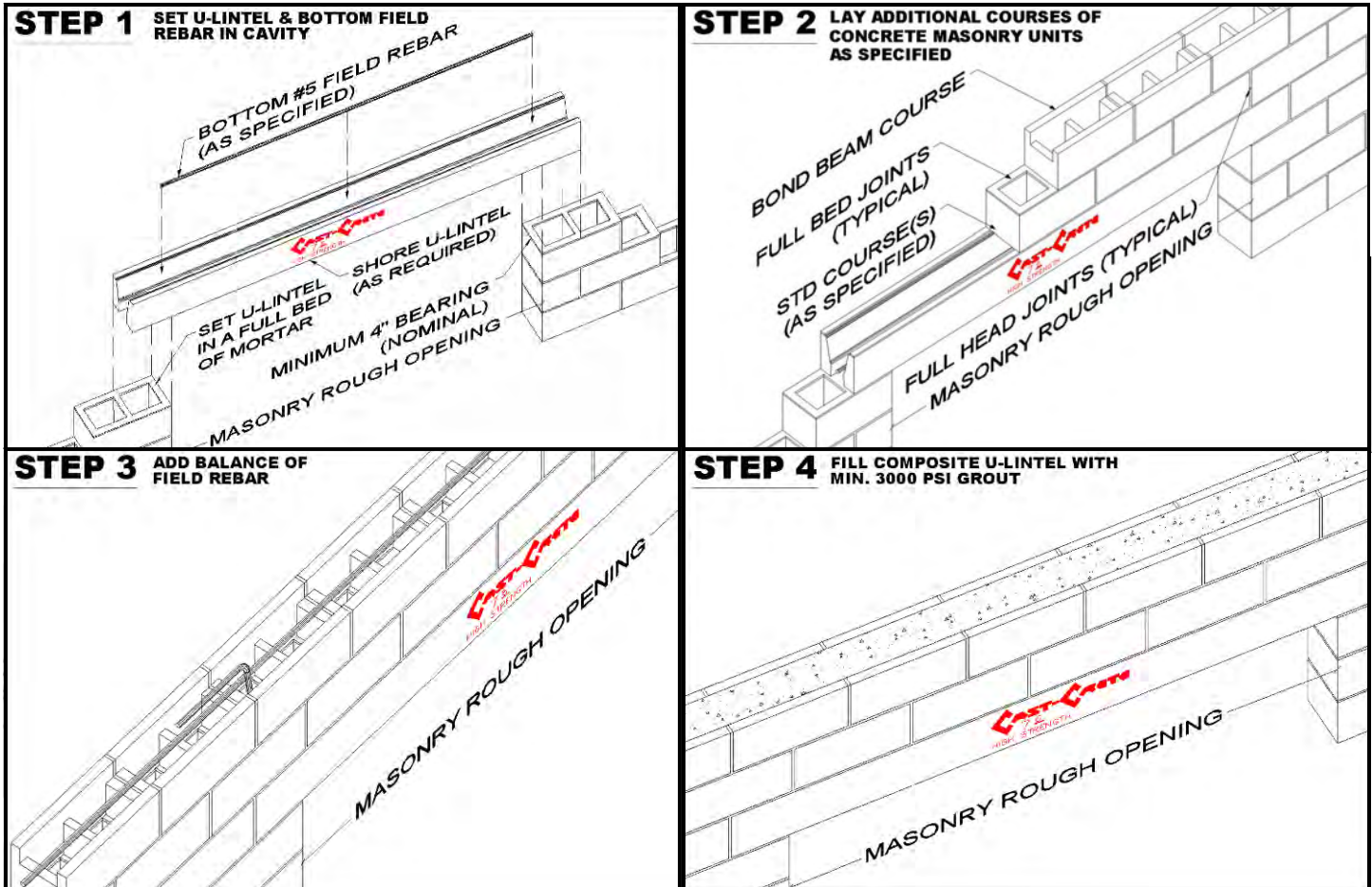
**FLEXIBILITY** - Unlimited variations in composite height and field reinforcing results in the U-Lintel being the only lintel required for the project.

**SUPERIOR QUALITY** - Manufactured in a quality controlled plant environment to strict tolerances and eliminates the uncertainties of field constructed lintels.

**ELIMINATION OF STRUCTURAL STEEL LINTELS** - Eliminates problems associated with expensive structural steel lintels such as fabrication lead times, corrosion, thermal bridging and differential movement at the supports.



# INSTALLATION OF COMPOSITE U-LINTEL



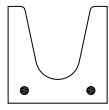
## INSTALLATION NOTES

1. Installation of U-lintels must comply with architectural and/or structural drawings.
2. U-lintels are manufactured with 5 1/2 inch long notch at ends to accommodate vertical cell reinforcing and grout.
3. U-lintels can be field cut to the required length.
4. Bottom field added rebar to be located at the bottom of U-lintel cavity.
5. Cast-in-place concrete may be provided in composite U-lintel in lieu of concrete masonry units.
6. The exterior surface of U-lintels installed in exterior concrete masonry walls shall have a coating of stucco applied in accordance with ASTM C-926 or other approved coating.
7. Concrete masonry units used in composite U-Lintel shall be laid in a running bond.
8. Shore composite lintels as required.

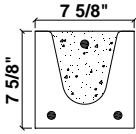
## COMPOSITE U-LINTEL MATERIALS

- Grout per ASTM C476  $f'g = 3000$  psi w/maximum 3/8 inch aggregate and 8 to 11 inch slump.
- Rebar per ASTM A615 Grade 60 or Grade 40.
- Concrete masonry units (CMU) per ASTM C90 with minimum net area compressive strength = 1900 psi.
- Mortar per ASTM C270 Type M or S.

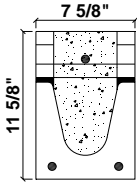
# 8" COMPOSITE U-LINTEL TYPES



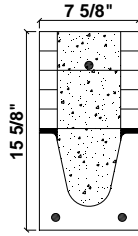
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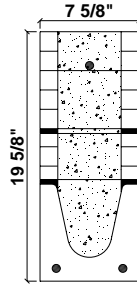
8F8-0B/1T



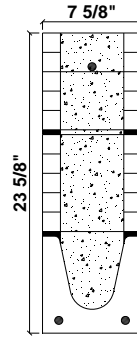
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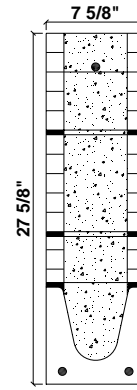
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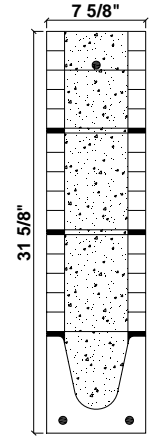
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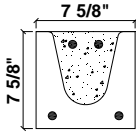
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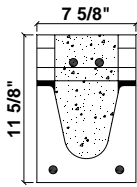
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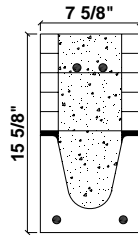
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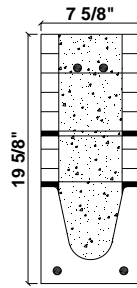
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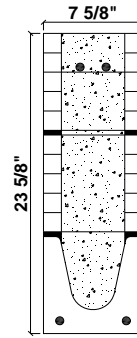
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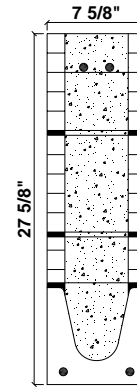
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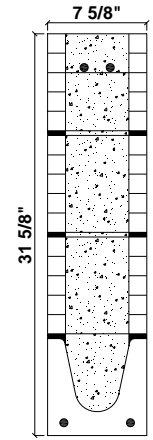
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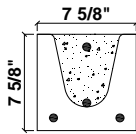
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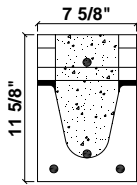
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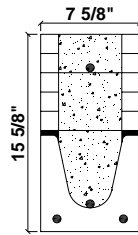
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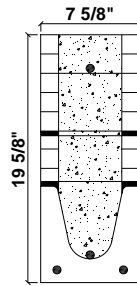
8F8-1B/1T



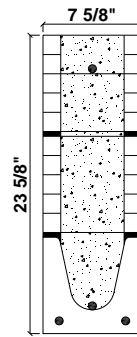
8F12-1B/1T



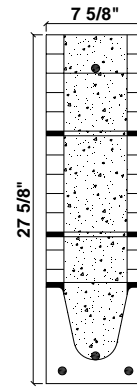
8F16-1B/1T



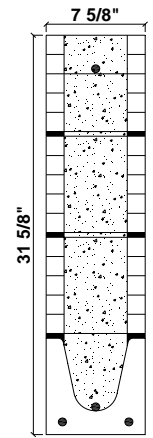
8F20-1B/1T



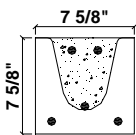
8F24-1B/1T



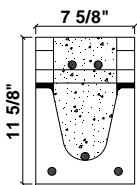
8F28-1B/1T



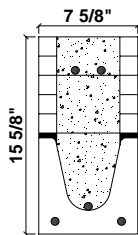
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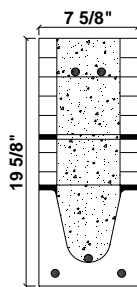
8F8-1B/2T



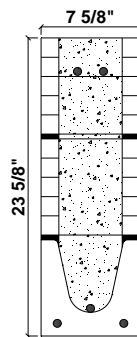
8F12-1B/2T



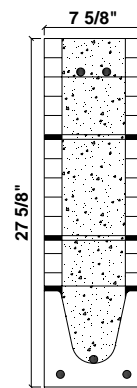
8F16-1B/2T



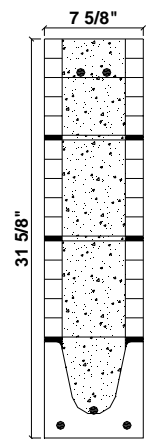
8F20-1B/2T



8F24-1B/2T

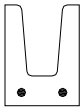


8F28-1B/2T

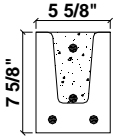


8F32-1B/2T

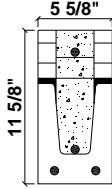
## 6" COMPOSITE U-LINTEL TYPES



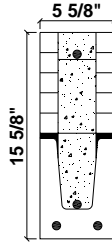
**6U8**



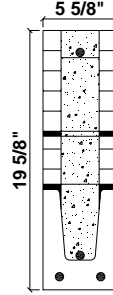
**6F8-1B/1T**



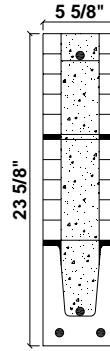
**6F12-1B/1T**



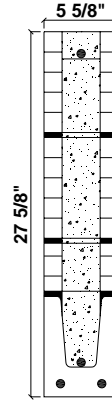
**6F16-1B/1T**



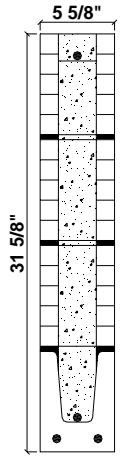
**6F20-1B/1T**



**6F24-1B/1T**



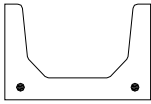
**6F28-1B/1T**



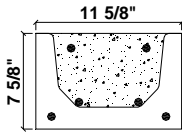
**6F32-1B/1T**



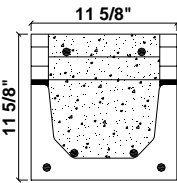
## 12" COMPOSITE U-LINTEL TYPES



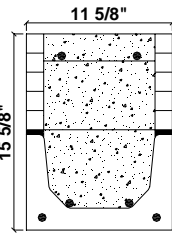
**12U8**



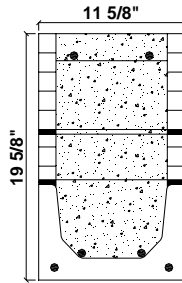
**12F8-2B/2T**



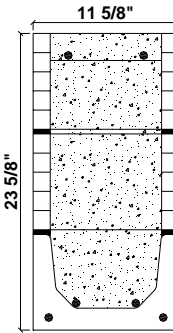
**12F12-2B/2T**



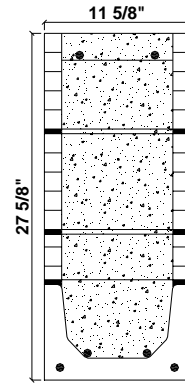
**12F16-2B/2T**



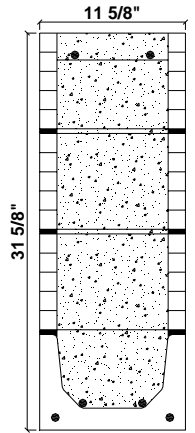
**12F20-2B/2T**



**12F24-2B/2T**

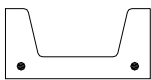


**12F28-2B/2T**

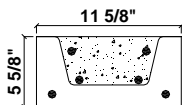


**12F32-2B/2T**

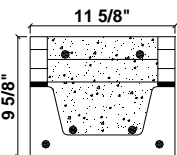
## 12" RECESS COMPOSITE U-LINTEL TYPES



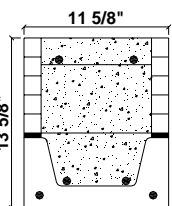
**12RU6**



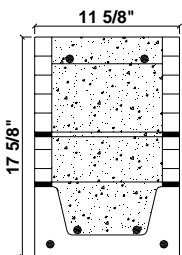
**12RF6-2B/2T**



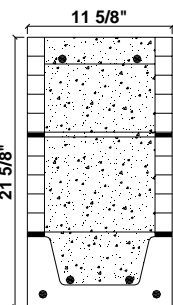
**12RF10-2B/2T**



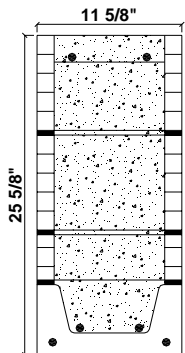
**12RF14-2B/2T**



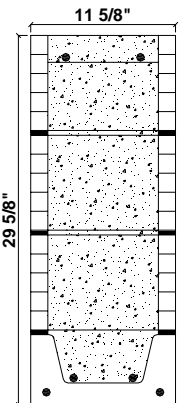
**12RF18-2B/2T**



**12RF22-2B/2T**



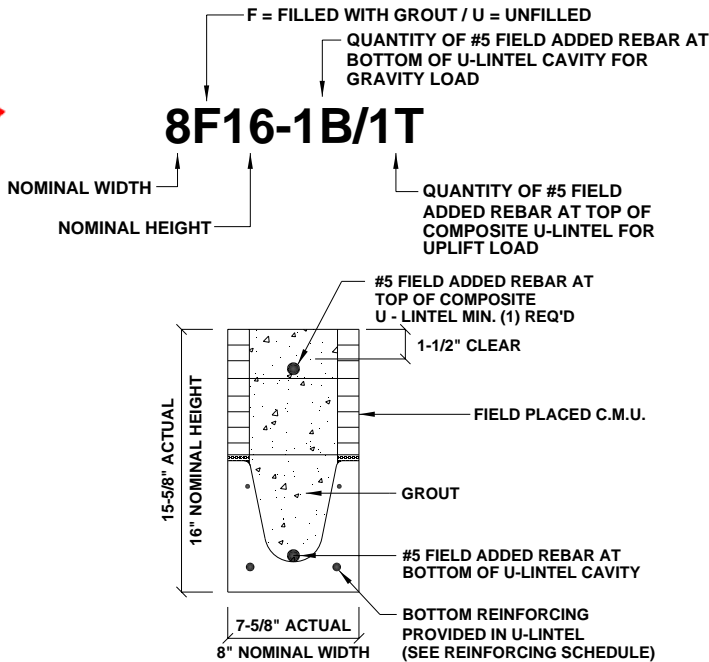
**12RF26-2B/2T**



**12RF30-2B/2T**

# HOW TO READ SAFE LOAD TABLES

## TYPE DESIGNATION



For a 5'-10" overall length U-lintel Type 8F16-1B/1T:  
 Safe superimposed gravity load = 4360 PLF  
 Safe superimposed uplift load = 2080 PLF  
 Safe superimposed lateral load = 339 PLF

CAST-CRETE		GRAVITY			
OVERALL LINTEL LENGTH	TYPE OF LINTEL	8U8	8F8-0B	8F12-0B	8F16-0B
			8F8-1B	8F12-1B	8F16-1B
2'-8" TO 3'-6"	PRECAST	2231	3069	3719	5163
			3069	4605	6113
3'-7" TO 4'-0"	PRECAST	1966	2561	2751	3820
			2693	4605	6113
4'-1" TO 4'-6"	PRECAST	1599	1969	2110	2931
			2189	4375	6113
4'-7" TO 5'-4"	PRECAST	1217	1349	1438	1999
			1663	3090	5365
5'-5" TO 5'-10"	PRECAST	1062	1105	1173	1631
			1451	2622	4360
5'-11" TO 6'-6"	PRECAST	908	1238	2177	3480
			1238	2177	3480

CAST-CRETE		UPLIFT			LATERAL		
OVERALL LINTEL LENGTH	TYPE OF LINTEL	8F8-1T	8F12-1T	8F16-1T	8U8	8F8	RCMU
		8F8-2T	8F12-2T	8F16-2T			
2'-8" TO 3'-6"	PRECAST	1569	2655	3524	1025	1024	1598
		1569	2655	3524			
3'-7" TO 4'-0"	PRECAST	1363	2305	3060	765	763	1309
		1363	2305	3060			
4'-1" TO 4'-6"	PRECAST	1207	2040	2707	592	591	1073
		1207	2040	2707			
4'-7" TO 5'-4"	PRECAST	1016	1715 <sup>(11)</sup>	2276 <sup>(4)</sup>	411	411	745
		1016	1715	2276			
5'-5" TO 5'-10"	PRECAST	909	1567 <sup>(18)</sup>	2080 <sup>(15)</sup>	340	339	616
		929	1567	2080			
5'-11" TO 6'-6"	PRECAST	835 <sup>(12)</sup>	1407 <sup>(20)</sup>	1868 <sup>(21)</sup>	507	721	490
		835	1407	1868			

## SAFE LOAD TABLE NOTES

- All values based on minimum 4 inch nominal bearing. Exception: Safe loads for unfilled U-lintels must be reduced by 20% if bearing length is less than 6 1/2 inches.
- N.R. = Not Rated.
- Safe loads are superimposed allowable loads.
- One #7 rebar may be substituted for two #5 rebar in 8 inch U-lintels only.
- The designer may evaluate concentrated loads from the safe load tables by calculating the maximum resisting moment and shear at d-away from the face of support.
- For composite U-lintel heights not shown, use safe load from the next lower height.
- All safe loads in units of pounds per linear foot.
- All safe loads based on simply supported span.
- The number in the parenthesis indicates the percent reduction for grade 40 field added rebar. Example: 7'-6" U-lintel Type 8F32-1B safe gravity load = 6427<sup>(15)</sup>. Calculate the 15% reduction:  

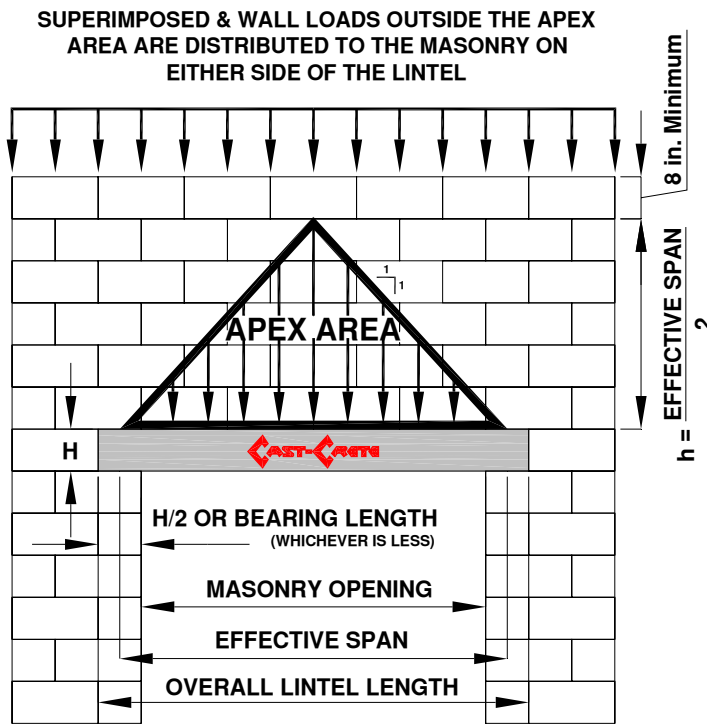
$$6427 (.85) = 5501 \text{ plf.}$$
- Safe load ratings based on rational design analysis per ACI 318 and ACI 530.
- U-lintels loaded simultaneously with vertical (gravity or uplift) and horizontal (lateral) loads should be checked for the combined loading with the following equation:

$$\frac{\text{Applied vertical load}}{\text{Safe vertical load}} + \frac{\text{Applied horizontal load}}{\text{Safe horizontal load}} \leq 1.0$$

# ARCHING ACTION & TRIANGULAR LOAD

Arching action results in a triangular load with the apex located at midspan. When using the Safe Load Tables the triangular load may be converted into an equivalent uniform load by the equation:

$$\text{Equivalent Uniform Load} = .33 \times \text{Unit Weight of Wall} \times \text{Effective Span}$$

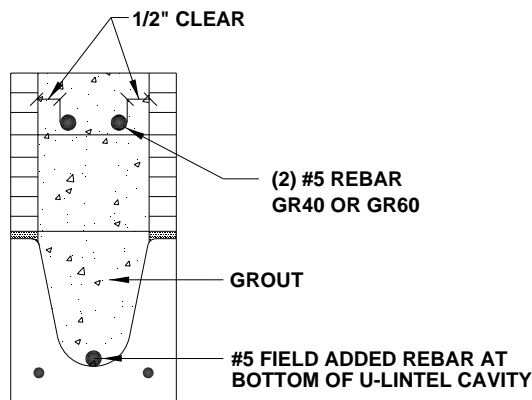


Arching action can be assumed if the following conditions are met:

- Masonry wall laid in running bond
- Sufficient wall height above the composite U-lintel height (H) to permit formation of a triangle with a height  $h = 1/2 \times$  effective span
- A minimum 8 in. of wall height above the apex area
- Control joints are not adjacent to the lintel
- Sufficient masonry on each side of the opening to resist lateral thrust from the arching action

## RCMU (Reinforced Concrete Masonry Unit)

The safe lateral load capacity is conservatively based on the 8 inch high precast U-lintel section only. If needed in high wind areas, additional lateral capacity can be obtained by providing Reinforced Concrete Masonry Units (RCMU) with two #5 rebar in the course(s) above the 8 inch high precast U-lintel



For a 5'-10" overall length U-lintel Type 8F16-1B/2T:

**8F8 = 339 PLF**

**RCMU = 616 PLF**

**Total safe superimposed lateral load = 955 PLF**

TYPE OF LINTEL		UPLIFT			LATERAL		
		8F8-1T	8F12-1T	8F16-1T	8U8	8F8	RCMU
OVERALL LINTEL LENGTH	8F8-2T	8F12-2T	8F16-2T				
2'-8" TO 3'-6"	PRECAST	1569	2655	3524	1025	1024	1598
		1569	2655	3524			
3'-7" TO 4'-0"	PRECAST	1363	2305	3060	765	763	1309
		1363	2305	3060			
4'-1" TO 4'-6"	PRECAST	1207	2040	2707	592	591	1073
		1207	2040	2707			
4'-7" TO 5'-4"	PRECAST	1016	1715 <sup>(11)</sup>	2276 <sup>(4)</sup>	411	411	745
		1016	1715	2276			
5'-5" TO 5'-10"	PRECAST	909	1567 <sup>(18)</sup>	2080 <sup>(13)</sup>	340	339	616
		929	1567	2080			
5'-11" TO 6'-6"	PRECAST	835 <sup>(12)</sup>	1407 <sup>(26)</sup>	1868 <sup>(21)</sup>	507	721	490
		835	1407	1868			

Note: There is no limit to the number of courses of Reinforced Concrete Masonry Units (RCMU) that may be added above the 8 inch high U-lintel section. Each RCMU course will result in an additional 616 PLF lateral load capacity.



# 8" PRECAST U-LINTELS SAFE LOADS (LBS/FT)



		GRAVITY							
OVERALL LINTEL LENGTH	TYPE OF LINTEL	8U8	8F8-0B	8F12-0B	8F16-0B	8F20-0B	8F24-0B	8F28-0B	8F32-0B
			8F8-1B	8F12-1B	8F16-1B	8F20-1B	8F24-1B	8F28-1B	8F32-1B
2'-8" TO 3'-6"	PRECAST	2231	3069	3719	5163	6607	8054	9502	10951
			3069	4605	6113	7547	8974	10394	11809
3'-7" TO 4'-0"	PRECAST	1966	2561	2751	3820	4890	5961	7034	8107
			2693	4605	6113	7547	8974	10394	11809
4'-1" TO 4'-6"	PRECAST	1599	1969	2110	2931	3753	4576	5400	6224
			2189	4375	6113	7547 <sup>(7)</sup>	8672	10294	11809
4'-7" TO 5'-4"	PRECAST	1217	1349	1438	1999	2560	3123	3686	4249
			1663	3090	5365	7547 <sup>(36)</sup>	7342 <sup>(19)</sup>	8733 <sup>(19)</sup>	10127 <sup>(19)</sup>
5'-5" TO 5'-10"	PRECAST	1062	1105	1173	1631	2090	2549	3009	3470
			1451	2622	4360	7168 <sup>(45)</sup>	6036 <sup>(19)</sup>	7181 <sup>(19)</sup>	8328 <sup>(20)</sup>
5'-11" TO 6'-6"	PRECAST	908	1238	2177	3480	3031	3707	4383	5061
			1238	2177	3480	5381	8360	10394 <sup>(37)</sup>	8825 <sup>(14)</sup>
6'-7" TO 7'-6"	PRECAST	743	1011	1729	2632	2205	2698	3191	3685
			1011	1729	2661	3898	5681	8467 <sup>(44)</sup>	6472 <sup>(15)</sup>
7'-7" TO 9'-4"	PRECAST	554	699	1160	1625	2564	3486	2818	3302
			752	1245	1843	2564	3486	4705 <sup>(37)</sup>	6390 <sup>(47)</sup>
9'-5" TO 10'-6"	PRECAST	475	535	890	1247	2093	2777	2163	2536
			643	1052	1533	2093	2781	3643 <sup>(38)</sup>	4754 <sup>(45)</sup>
10'-7" TO 11'-4"	PRECAST	362	582	945	1366	1846	2423	3127	4006
			582	945	1366	1846	2423	3127	4006
11'-5" TO 12'-0"	PRECAST	337	540	873	1254	1684	2193	2805	3552
			540	873	1254	1684	2193	2805	3552
12'-1" TO 13'-4"	PRECAST	296	471	755	1075	1428	1838	2316	2883
			471	755	1075	1428	1838	2316	2883
13'-5" TO 14'-0"	PRECAST	279	424	706	1002	1326	1697	2127	2630
			442	706	1002	1326	1697	2127	2630
14'-1" TO 14'-8" PRESTRESSED	NR	NR	NR	NR	NR	NR	NR	NR	NR
			458	783	1370	1902	2245	2517	2712
14'-9" TO 15'-4" PRESTRESSED	NR	NR	NR	NR	NR	NR	NR	NR	NR
			412	710	1250	1733	2058	2320	2513
15'-5" TO 17'-4" PRESTRESSED	NR	NR	NR	NR	NR	NR	NR	NR	NR
			300	548	950	1326	1609	1849	2047
17'-5" TO 19'-4" PRESTRESSED	NR	NR	NR	NR	NR	NR	NR	NR	NR
			235	420	750	1037	1282	1515	1716
19'-5" TO 21'-4" PRESTRESSED	NR	NR	NR	NR	NR	NR	NR	NR	NR
			180	340	598	845	1114	1359	1468
21'-5" TO 22'-0" PRESTRESSED	NR	NR	NR	NR	NR	NR	NR	NR	NR
			165	315	550	784	1047	1285	1399
22'-1" TO 24'-0" PRESTRESSED	NR	NR	NR	NR	NR	NR	NR	NR	NR
			129	250	450	654	884	1092	1222

# SAFE LOADS (LBS/FT) **8" PRECAST U-LINTELS**



<b>TYPE OF LINTEL</b>		<b>UPLIFT</b>						<b>LATERAL</b>			
		8F8-1T	8F12-1T	8F16-1T	8F20-1T	8F24-1T	8F28-1T	8F32-1T	8U8	8F8	RCMU
<b>OVERALL LINTEL LENGTH</b>		8F8-2T	8F12-2T	8F16-2T	8F20-2T	8F24-2T	8F28-2T	8F32-2T			
		2'-8" TO <b>3'-6"</b>	PRECAST	1569	2655	3524	4394	5263	6132	7001	1025
3'-7" TO <b>4'-0"</b>	PRECAST	1363	2305	3060	3815	4570	5325	6079	765	763	1309
4'-1" TO <b>4'-6"</b>	PRECAST	1207	2040	2707	3375	4043	4711	5379	592	591	1073
4'-7" TO <b>5'-4"</b>	PRECAST	1016	1715 <sup>(11)</sup>	2276 <sup>(4)</sup>	2838	3399	3961	4522	411	411	745
5'-5" TO <b>5'-10"</b>	PRECAST	909	1567 <sup>(18)</sup>	2080 <sup>(13)</sup>	2593 <sup>(9)</sup>	3107 <sup>(6)</sup>	3620 <sup>(4)</sup>	4133 <sup>(3)</sup>	340	339	616
5'-11" TO <b>6'-6"</b>	PRECAST	835 <sup>(12)</sup>	1407 <sup>(26)</sup>	1868 <sup>(21)</sup>	2329 <sup>(18)</sup>	2790 <sup>(16)</sup>	3251 <sup>(14)</sup>	3712 <sup>(12)</sup>	507	721	490
6'-7" TO <b>7'-6"</b>	PRECAST	727 <sup>(23)</sup>	1065 <sup>(26)</sup>	1624 <sup>(31)</sup>	2025 <sup>(28)</sup>	2426 <sup>(26)</sup>	2827 <sup>(25)</sup>	3228 <sup>(24)</sup>	424	534	363
7'-7" TO <b>9'-4"</b>	PRECAST	591	708 <sup>(25)</sup>	1136 <sup>(34)</sup>	1474 <sup>(34)</sup>	1815 <sup>(34)</sup>	2157 <sup>(34)</sup>	2500 <sup>(34)</sup>	326	512	230
9'-5" TO <b>10'-6"</b>	PRECAST	530	575 <sup>(24)</sup>	916 <sup>(33)</sup>	1188 <sup>(33)</sup>	1461 <sup>(33)</sup>	1736 <sup>(33)</sup>	2011 <sup>(33)</sup>	284	401	180
10'-7" TO <b>11'-4"</b>	PRECAST	474	504 <sup>(23)</sup>	800 <sup>(32)</sup>	1037 <sup>(32)</sup>	1274 <sup>(32)</sup>	1513 <sup>(32)</sup>	1753 <sup>(32)</sup>	260	452	154
11'-5" TO <b>12'-0"</b>	PRECAST	470 <sup>(9)</sup>	458 <sup>(23)</sup>	724 <sup>(31)</sup>	938 <sup>(32)</sup>	1153 <sup>(32)</sup>	1369 <sup>(32)</sup>	1585 <sup>(32)</sup>	244	402	137
12'-1" TO <b>13'-4"</b>	PRECAST	418 <sup>(15)</sup>	386 <sup>(22)</sup>	607 <sup>(30)</sup>	785 <sup>(30)</sup>	964 <sup>(30)</sup>	1143 <sup>(31)</sup>	1323 <sup>(31)</sup>	217	324	110
13'-5" TO <b>14'-0"</b>	PRECAST	384 <sup>(15)</sup>	358 <sup>(21)</sup>	560 <sup>(29)</sup>	724 <sup>(30)</sup>	889 <sup>(30)</sup>	1054 <sup>(30)</sup>	1220 <sup>(30)</sup>	205	293	100
14'-1" TO <b>14'-8"</b>	PRESTRESSED	239	334 <sup>(21)</sup>	520 <sup>(29)</sup>	672 <sup>(29)</sup>	825 <sup>(29)</sup>	978 <sup>(29)</sup>	1131 <sup>(30)</sup>	NR	284	91
14'-9" TO <b>15'-4"</b>	PRESTRESSED	224	313 <sup>(20)</sup>	486 <sup>(28)</sup>	627 <sup>(29)</sup>	769 <sup>(29)</sup>	911 <sup>(29)</sup>	1054 <sup>(29)</sup>	NR	259	83
15'-5" TO <b>17'-4"</b>	PRESTRESSED	187	263 <sup>(19)</sup>	405 <sup>(26)</sup>	521 <sup>(27)</sup>	638 <sup>(27)</sup>	756 <sup>(27)</sup>	873 <sup>(27)</sup>	NR	194	64
17'-5" TO <b>19'-4"</b>	PRESTRESSED	162	229 <sup>(17)</sup>	348 <sup>(25)</sup>	447 <sup>(25)</sup>	547 <sup>(25)</sup>	647 <sup>(25)</sup>	747 <sup>(25)</sup>	NR	148	52
19'-5" TO <b>21'-4"</b>	PRESTRESSED	142	204 <sup>(16)</sup>	307 <sup>(23)</sup>	393 <sup>(23)</sup>	480 <sup>(23)</sup>	568 <sup>(24)</sup>	655 <sup>(24)</sup>	NR	125	42
21'-5" TO <b>22'-0"</b>	PRESTRESSED	137	197 <sup>(15)</sup>	295 <sup>(22)</sup>	379 <sup>(23)</sup>	462 <sup>(23)</sup>	546 <sup>(23)</sup>	630 <sup>(23)</sup>	NR	116	40
22'-1" TO <b>24'-0"</b>	PRESTRESSED	124	179 <sup>(14)</sup>	267 <sup>(21)</sup>	342 <sup>(21)</sup>	416 <sup>(21)</sup>	492 <sup>(21)</sup>	567 <sup>(22)</sup>	NR	91	33

# 8" PRECAST W/2" RECESS DOOR U-LINTELS SAFE LOADS (LBS/FT)



<b>GRAVITY</b>									
OVERALL LINTEL LENGTH	TYPE OF LINTEL *	8RU6	8RF6-0B	8RF10-0B	8RF14-0B	8RF18-0B	8RF22-0B	8RF26-0B	8RF30-0B
			8RF6-1B	8RF10-1B	8RF14-1B	8RF18-1B	8RF22-1B	8RF26-1B	8RF30-1B
3'-8" TO 4'-4"	PRECAST	1635	1749	3355	3280	4349	5421	6493	7567
			1891	3699	5206	6639	8060	9479	10893
4'-5" TO 4'-6"	PRECAST	1494	1596	3063	2992	3968	4946	5924	6904
			1756	3699	5206	6639	8060	9479	10893
4'-7" TO 5'-8"	PRECAST	866	920	1770	1716	2277	2839	3402	3966
			1167	2481	4567	6389	8060 <sup>(34)</sup>	7917 <sup>(19)</sup>	9311 <sup>(19)</sup>
5'-9" TO 5'-10"	PRECAST	810	859	1653	1600	2124	2649	3174	3700
			1113	2342	4242	6639 <sup>(10)</sup>	8060 <sup>(39)</sup>	7402 <sup>(19)</sup>	8706 <sup>(19)</sup>
5'-11" TO 6'-8"	PRECAST	797	901	1825	3120	5048	7747	9448	7360
			901	1825	3120	5048	7915	9479	10893 <sup>(32)</sup>
6'-9" TO 7'-6"	PRECAST	669	755	1490	2459	3776	5743	7239	5623
			755	1490	2459	3776	5743	8998 <sup>(19)</sup>	10893 <sup>(48)</sup>
7'-7" TO 9'-8"	PRECAST	411	466	999	1568	2253	3129	4091	3146
			526	999	1568	2253	3129	4150	5891 <sup>(47)</sup>

<b>UPLIFT</b>								<b>LATERAL</b>			
OVERALL LINTEL LENGTH	TYPE OF LINTEL *	8RF6-1T	8RF10-1T	8RF14-1T	8RF18-1T	8RF22-1T	8RF26-1T	8RF30-1T	8RU6	8RF6	RCMU
		8RF6-2T	8RF10-2T	8RF14-2T	8RF18-2T	8RF22-2T	8RF26-2T	8RF30-2T			
3'-8" TO 4'-4"	PRECAST	905	1668	2362	3056	3751	4445	5140	758	757	1164
		905	1668	2362	3056	3751	4445	5140			
4'-5" TO 4'-6"	PRECAST	867	1604	2272	2939	3607	4275	4943	694	693	1073
		867	1604	2272	2939	3607	4275	4943			
4'-7" TO 5'-8"	PRECAST	675	1269 <sup>(16)</sup>	1797	2326 <sup>(5)</sup>	2854 <sup>(2)</sup>	3382	3911	408	407	655
		675	1269	1797	2326	2854	3382	3911			
5'-9" TO 5'-10"	PRECAST	655	1207 <sup>(16)</sup>	1746 <sup>(11)</sup>	2259 <sup>(7)</sup>	2733 <sup>(5)</sup>	3286 <sup>(3)</sup>	3799 <sup>(1)</sup>	382	381	616
		655	1233	1746	2259	2733	3286	3799			
5'-11" TO 6'-8"	PRECAST	570	929 <sup>(16)</sup>	1530 <sup>(22)</sup>	1980 <sup>(19)</sup>	2429 <sup>(16)</sup>	2879 <sup>(15)</sup>	3329 <sup>(14)</sup>	595	788	464
		570	1080	1530	1980	2429	2879	3329			
6'-9" TO 7'-6"	PRECAST	506	742 <sup>(16)</sup>	1364 <sup>(30)</sup>	1765 <sup>(27)</sup>	2166 <sup>(25)</sup>	2567 <sup>(24)</sup>	2968 <sup>(23)</sup>	509	674	363
		506	898	1364	1765	2166	2567	2968			
7'-7" TO 9'-8"	PRECAST	395	468 <sup>(15)</sup>	884 <sup>(32)</sup>	1222 <sup>(33)</sup>	1540 <sup>(34)</sup>	1859 <sup>(34)</sup>	2180 <sup>(34)</sup>	370	490	214
		395	560	1072	1386	1701	2016	2331			

\* Note: An "R" in the lintel Type indicates a recess lintel



# SAFE LOADS (LBS/FT) 6" PRECAST U-LINTELS





<b>GRAVITY</b>									
OVERALL LINTEL LENGTH	TYPE OF LINTEL	6U8	6F8-1B	6F12-1B	6F16-1B	6F20-1B	6F24-1B	6F28-1B	6F32-1B
2'-8" TO <b>3'-6"</b>	PRECAST	2332	2676	3892	5050	6148	7227	8297	9357
3'-7" TO <b>4'-0"</b>	PRECAST	2025	2313	3892	5050	6148	7227	8297	9357
4'-1" TO <b>4'-6"</b>	PRECAST	1654	1887	3633	5050	6148	7227	8297	9357
4'-7" TO <b>5'-10"</b>	PRECAST	1067	1260	2198	3557	5734	7227	8297 <sup>(31)</sup>	8225 <sup>(19)</sup>
5'-11" TO <b>6'-6"</b>	PRECAST	949	1078	1831	2850	4328	6737	8297	9357
6'-7" TO <b>7'-6"</b>	PRECAST	779	883	1459	2188	3151	4524	6654	9357 <sup>(11)</sup>
7'-7" TO <b>9'-4"</b>	PRECAST	584	660	1056	1523	2084	2795	3731	5017
9'-5" TO <b>10'-6"</b>	PRECAST	503	566	895	1270	1706	2236	2898	3747
10'-7" TO <b>11'-4"</b>	PRECAST	457	513	805	1133	1507	1952	2492	3163
11'-5" TO <b>12'-0"</b>	PRECAST	425	477	744	1042	1377	1769	2238	2808
12'-1" TO <b>13'-4"</b>	PRECAST	373	417	646	895	1170	1485	1852	2285
13'-5" TO <b>14'-0"</b>	PRECAST	351	392	605	835	1087	1373	1703	2087
14'-1" TO <b>17'-4"</b>	PRECAST	NR	299	455	620	794	985	1198	1437

<b>UPLIFT</b>								<b>LATERAL</b>			
OVERALL LINTEL LENGTH	TYPE OF LINTEL	6F8-1T	6F12-1T	6F16-1T	6F20-1T	6F24-1T	6F28-1T	6F32-1T	6U8	6F8	RCMU
2'-8" TO <b>3'-6"</b>	PRECAST	1412	2074	2715	3356	3997	4638	5279	587	1055	596
3'-7" TO <b>4'-0"</b>	PRECAST	1225	1800	2357	2913	3470	4027	4583	487	787	445
4'-1" TO <b>4'-6"</b>	PRECAST	1083	1592	2084	2577	3069	3562	4055	416	609	344
4'-7" TO <b>5'-10"</b>	PRECAST	831	1222	1600	1979	2357	2736	3114	300	350	198
5'-11" TO <b>6'-6"</b>	PRECAST	723	1097 <sup>(9)</sup>	1437 <sup>(1)</sup>	1777	2117	2457	2797	263	496	157
6'-7" TO <b>7'-6"</b>	PRECAST	648 <sup>(16)</sup>	863 <sup>(13)</sup>	1249 <sup>(14)</sup>	1544 <sup>(9)</sup>	1840 <sup>(6)</sup>	2135 <sup>(4)</sup>	2431 <sup>(2)</sup>	222	367	116
7'-7" TO <b>9'-4"</b>	PRECAST	575	571 <sup>(12)</sup>	980 <sup>(27)</sup>	1252 <sup>(26)</sup>	1492 <sup>(24)</sup>	1732 <sup>(22)</sup>	1972 <sup>(20)</sup>	173	352	74
9'-5" TO <b>10'-6"</b>	PRECAST	514	462 <sup>(12)</sup>	787 <sup>(27)</sup>	1121 <sup>(33)</sup>	1336 <sup>(31)</sup>	1551 <sup>(29)</sup>	1766 <sup>(28)</sup>	151	276	58
10'-7" TO <b>11'-4"</b>	PRECAST	474	404 <sup>(11)</sup>	685 <sup>(26)</sup>	985 <sup>(33)</sup>	1213 <sup>(33)</sup>	1442 <sup>(33)</sup>	1645 <sup>(32)</sup>	139	311	49
11'-5" TO <b>12'-0"</b>	PRECAST	454 <sup>(7)</sup>	367 <sup>(11)</sup>	619 <sup>(26)</sup>	888 <sup>(33)</sup>	1093 <sup>(33)</sup>	1299 <sup>(33)</sup>	1506 <sup>(33)</sup>	131	277	44
12'-1" TO <b>13'-4"</b>	PRECAST	402 <sup>(13)</sup>	308 <sup>(11)</sup>	516 <sup>(25)</sup>	736 <sup>(32)</sup>	906 <sup>(32)</sup>	1076 <sup>(32)</sup>	1247 <sup>(32)</sup>	117	223	35
13'-5" TO <b>14'-0"</b>	PRECAST	368 <sup>(13)</sup>	285 <sup>(10)</sup>	475 <sup>(24)</sup>	677 <sup>(31)</sup>	832 <sup>(32)</sup>	989 <sup>(32)</sup>	1145 <sup>(32)</sup>	111	202	32
14'-1" TO <b>17'-4"</b>	PRECAST	253 <sup>(12)</sup>	208 <sup>(9)</sup>	338 <sup>(22)</sup>	476 <sup>(29)</sup>	585 <sup>(29)</sup>	693 <sup>(29)</sup>	803 <sup>(29)</sup>	NR	130	21

# 12" PRECAST U-LINTELS SAFE LOADS (LBS/FT)

CAST-CRETE

			GRAVITY							
OVERALL LINTEL LENGTH	TYPE OF LINTEL		12U8	12F8-2B	12F12-2B	12F16-2B	12F20-2B	12F24-2B	12F28-2B	12F32-2B
2'-8" TO 3'-6"	PRECAST		3428	5000	5838	7619	9352	11060	12755	14438
3'-7" TO 4'-0"	PRECAST		2923	4232	5838	7619	9352	11060	12755	14438
4'-1" TO 4'-6"	PRECAST		2396	3464	5304	7619	9352	11060	12755	14438
4'-7" TO 5'-10"	PRECAST		1612	2320	3218	5234	8487	11060	12755	14438 <sup>(11)</sup>
5'-11" TO 6'-6"	PRECAST		1383	1986	2679	4196	6421	10032	12755	14438 <sup>(30)</sup>
6'-7" TO 7'-6"	PRECAST		1138	1628	2131	3218	4676	6756	9763	13528 <sup>(46)</sup>
7'-7" TO 9'-4"	PRECAST		795	1216	1535	2230	3083	4167	5593	7552 <sup>(40)</sup>
9'-5" TO 10'-6"	PRECAST		614	1043	1295	1853	2516	3323	4334	5632 <sup>(38)</sup>
10'-7" TO 11'-4"	PRECAST		518	945	1162	1649	2216	2893	3719	4746 <sup>(38)</sup>
11'-5" TO 12'-0"	PRECAST		456	878	1073	1513	2020	2617	3333	4206 <sup>(39)</sup>
12'-1" TO 13'-4"	PRECAST		359	767 <sup>(8)</sup>	926	1294	1709	2188	2743	3409 <sup>(42)</sup>
13'-5" TO 14'-0"	PRECAST		321	720 <sup>(12)</sup>	865	1204	1584	2017	2451	3106 <sup>(43)</sup>
14'-1" TO 17'-4"	PRECAST		NR	451 <sup>(17)</sup>	631 <sup>(18)</sup>	881 <sup>(15)</sup>	1141 <sup>(14)</sup>	1428 <sup>(14)</sup>	1750 <sup>(16)</sup>	2102 <sup>(52)</sup>
17'-5" TO 19'-4"	PRECAST		NR	343 <sup>(17)</sup>	477 <sup>(19)</sup>	700 <sup>(19)</sup>	925 <sup>(20)</sup>	1152 <sup>(20)</sup>	1380 <sup>(20)</sup>	1609 <sup>(54)</sup>

			UPLIFT					LATERAL				
OVERALL LINTEL LENGTH	TYPE OF LINTEL		12F8-2T	12F12-2T	12F16-2T	12F20-2T	12F24-2T	12F28-2T	12F32-2T	12U8	12F8	RCMU
2'-8" TO 3'-6"	PRECAST		2752	4287	5613	6938	8264	9589	10915	1295	4841	3933 <sup>(13)</sup>
3'-7" TO 4'-0"	PRECAST		2389	3721	4872	6023	7174	8325	9477	1295	4841	2994 <sup>(14)</sup>
4'-1" TO 4'-6"	PRECAST		2113	3291	4310	5328	6347	7365	8384	1049	3922	2417 <sup>(18)</sup>
4'-7" TO 5'-10"	PRECAST		1623	2527 <sup>(2)</sup>	3310	4092	4875	5658	6441	681	2547	1552 <sup>(27)</sup>
5'-11" TO 6'-6"	PRECAST		1444	2269 <sup>(12)</sup>	2972 <sup>(4)</sup>	3675	4378	5081	5784	579	2167	1234 <sup>(27)</sup>
6'-7" TO 7'-6"	PRECAST		1267 <sup>(14)</sup>	1767 <sup>(14)</sup>	2583 <sup>(16)</sup>	3194 <sup>(12)</sup>	3806 <sup>(9)</sup>	4417 <sup>(7)</sup>	5028 <sup>(5)</sup>	474	1771	914 <sup>(27)</sup>
7'-7" TO 9'-4"	PRECAST		1028 <sup>(9)</sup>	1171 <sup>(14)</sup>	2006 <sup>(28)</sup>	2590 <sup>(28)</sup>	3087 <sup>(26)</sup>	3583 <sup>(24)</sup>	4079 <sup>(22)</sup>	355	1326	580 <sup>(27)</sup>
9'-5" TO 10'-6"	PRECAST		920 <sup>(18)</sup>	947 <sup>(13)</sup>	1612 <sup>(28)</sup>	2281 <sup>(34)</sup>	2764 <sup>(33)</sup>	3209 <sup>(31)</sup>	3653 <sup>(30)</sup>	306	1143	454 <sup>(27)</sup>
10'-7" TO 11'-4"	PRECAST		858 <sup>(24)</sup>	829 <sup>(13)</sup>	1404 <sup>(27)</sup>	1982 <sup>(33)</sup>	2441 <sup>(33)</sup>	2902 <sup>(33)</sup>	3364 <sup>(33)</sup>	278	1041	388 <sup>(27)</sup>
11'-5" TO 12'-0"	PRECAST		814 <sup>(27)</sup>	753 <sup>(13)</sup>	1269 <sup>(27)</sup>	1788 <sup>(33)</sup>	2201 <sup>(33)</sup>	2616 <sup>(33)</sup>	3032 <sup>(33)</sup>	260	971	345 <sup>(27)</sup>
12'-1" TO 13'-4"	PRECAST		678 <sup>(27)</sup>	633 <sup>(12)</sup>	1057 <sup>(26)</sup>	1485 <sup>(32)</sup>	1826 <sup>(32)</sup>	2169 <sup>(32)</sup>	2513 <sup>(32)</sup>	229	857	278 <sup>(27)</sup>
13'-5" TO 14'-0"	PRECAST		622 <sup>(27)</sup>	586 <sup>(12)</sup>	974 <sup>(25)</sup>	1365 <sup>(31)</sup>	1679 <sup>(31)</sup>	1993 <sup>(31)</sup>	2309 <sup>(32)</sup>	216	809	251 <sup>(27)</sup>
14'-1" TO 17'-4"	PRECAST		434 <sup>(25)</sup>	427 <sup>(10)</sup>	695 <sup>(23)</sup>	964 <sup>(29)</sup>	1182 <sup>(29)</sup>	1402 <sup>(29)</sup>	1623 <sup>(29)</sup>	NR	633 <sup>(12)</sup>	162 <sup>(27)</sup>
17'-5" TO 19'-4"	PRECAST		366 <sup>(23)</sup>	370 <sup>(10)</sup>	593 <sup>(22)</sup>	817 <sup>(27)</sup>	1002 <sup>(27)</sup>	1187 <sup>(27)</sup>	1372 <sup>(27)</sup>	NR	534 <sup>(17)</sup>	130 <sup>(27)</sup>

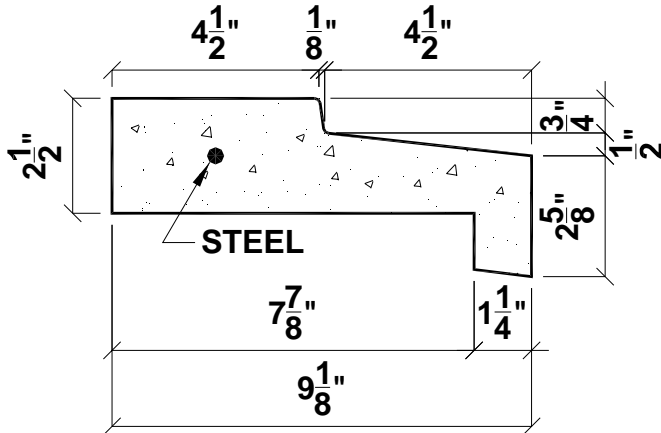
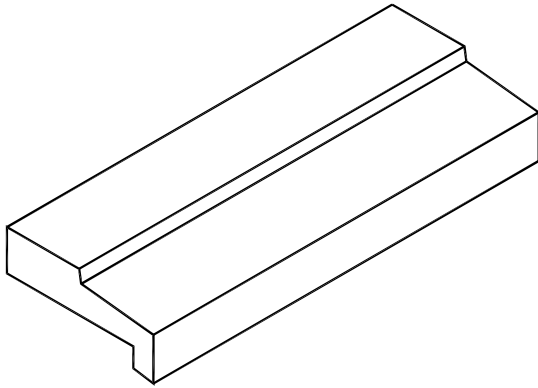


		GRAVITY								
OVERALL LINTEL LENGTH	TYPE OF LINTEL *	12RU6	12RF6-2B	12RF10-2B	12RF14-2B	12RF18-2B	12RF22-2B	12RF26-2B	12RF30-2B	
3'-8" TO 4'-4"	PRECAST	2538	2942	5468	7584	9640	11669	13679	15679	
4'-5" TO 4'-6"	PRECAST	2319	2740	5468	7584	9640	11669	13679	15679	
4'-7" TO 5'-8"	PRECAST	1347	1841	3555	6395	9640	11669	13679	15679 <sup>(24)</sup>	
5'-9" TO 5'-10"	PRECAST	1259	1758	3361	5954	9640	11669	13679	15679 <sup>(29)</sup>	
5'-11" TO 6'-8"	PRECAST	924	1430	2633	4415	7075	10353 <sup>(16)</sup>	12573 <sup>(16)</sup>	14800 <sup>(45)</sup>	
6'-9" TO 7'-6"	PRECAST	703	1203	2157	3494	5329	7922 <sup>(16)</sup>	9623 <sup>(17)</sup>	11329 <sup>(46)</sup>	
7'-7" TO 9'-8"	PRECAST	389	843	1451 <sup>(5)</sup>	2239	3203 <sup>(9)</sup>	4427 <sup>(16)</sup>	5417 <sup>(17)</sup>	6380 <sup>(47)</sup>	

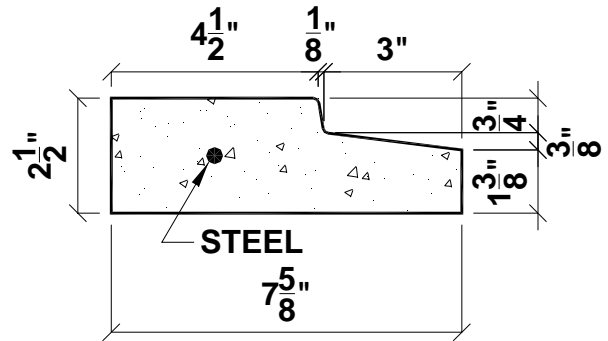
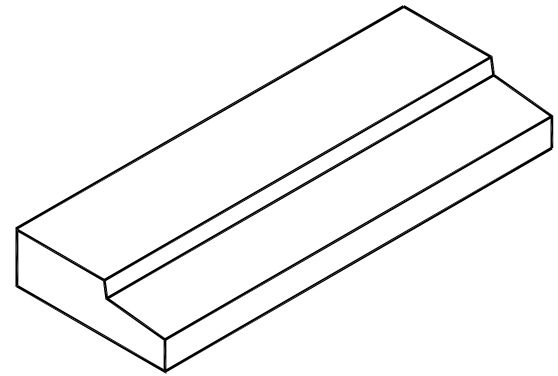
		UPLIFT						LATERAL			
OVERALL LINTEL LENGTH	TYPE OF LINTEL *	12RF6-2T	12RF10-2T	12RF14-2T	12RF18-2T	12RF22-2T	12RF26-2T	12RF30-2T	12RU6	12RF6	RCMU
3'-8" TO 4'-4"	PRECAST	1626	2685	3746	4806	5867	6928	7989	1295	3692	2583 <sup>(17)</sup>
4'-5" TO 4'-6"	PRECAST	1558	2582	3602	4623	5643	6664	7684	1213	3458	2417 <sup>(18)</sup>
4'-7" TO 5'-8"	PRECAST	1210	2042	2850	3658	4466	5273	6081	784	2236	1650 <sup>(27)</sup>
5'-9" TO 5'-10"	PRECAST	1173	1984 <sup>(1)</sup>	2769	3553	4338	5123	5908	747	2129	1552 <sup>(27)</sup>
5'-11" TO 6'-8"	PRECAST	1020 <sup>(4)</sup>	1538 <sup>(2)</sup>	2426 <sup>(5)</sup>	3114	3802	4489	5177	602	1716	1170 <sup>(27)</sup>
6'-9" TO 7'-6"	PRECAST	904 <sup>(15)</sup>	1226 <sup>(2)</sup>	2163 <sup>(15)</sup>	2776 <sup>(10)</sup>	3390 <sup>(7)</sup>	4003 <sup>(5)</sup>	4617 <sup>(3)</sup>	504	1438	914 <sup>(27)</sup>
7'-7" TO 9'-8"	PRECAST	703 <sup>(14)</sup>	771 <sup>(2)</sup>	1472 <sup>(22)</sup>	2181 <sup>(29)</sup>	2663 <sup>(26)</sup>	3145 <sup>(25)</sup>	3628 <sup>(23)</sup>	355	1011	539 <sup>(27)</sup>

\* Note: An "R" in the lintel Type indicates a recess lintel

# HiWind™ WIND RESISTANT PRECAST SILLS



**HiWind™ FACE**  
WIND RESISTANT SILL

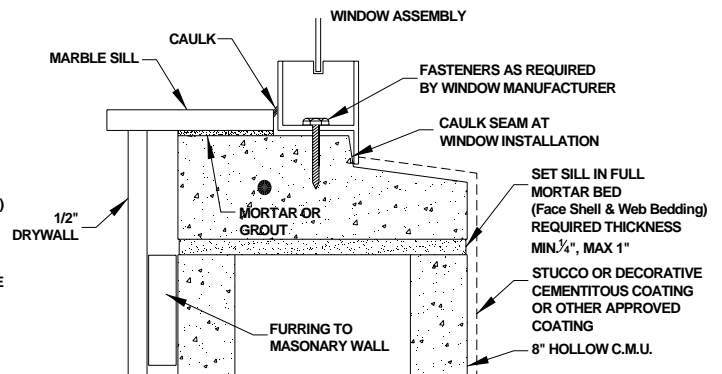
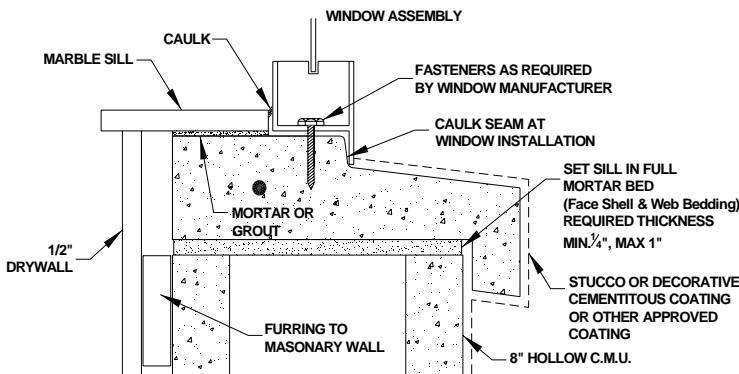


**HiWind™ FLUSH**  
WIND RESISTANT SILL

**OVERALL LENGTH**      **STEEL**

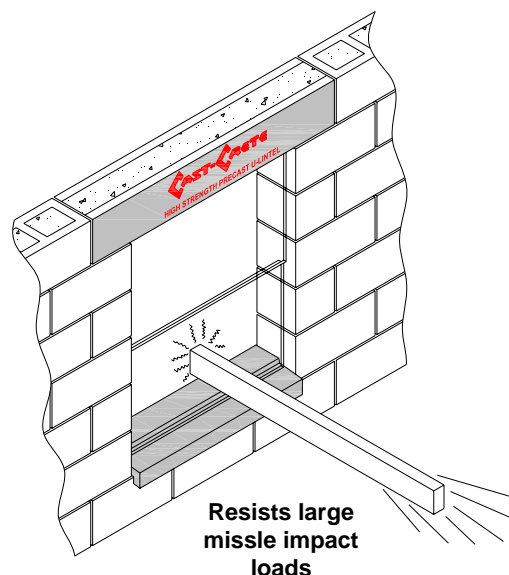
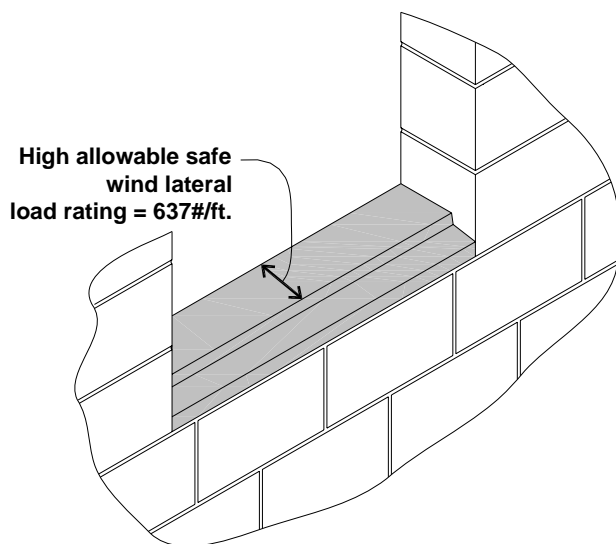
1'-7"	1 - #3 rebar
2'-0"	1 - #3 rebar
2'-2 1/2"	1 - #3 rebar
3'-0"	1 - #3 rebar
3'-1"	1 - #3 rebar
4'-0"	1 - #3 rebar
4'-5"	1 - #3 rebar
5'-0"	1 - #3 rebar
6'-0"	1 - #3 rebar
6'-2"	1 - #3 rebar

**Rebar:** ASTM A615 Grade 60  
**Concrete Strength:**  $f_c=3000$  psi  
**Finish:** Grey Block  
**Average Self Weight for Wind Resistant Face Sill:** 18 plf  
**Average Self Weight for Wind Resistant Flush Sill:** 16 plf



**TYPICAL INSTALLATION**

## ENGINEERED FOR WIND LOADS AND IMPACT TESTED



### DURABLE

- Machine-made, ensuring uniform dimensions.
- 3000psi concrete exceeds minimum block strength.
- Water dam and sloped face direct water away from window assembly helping to prevent water intrusion.

### FINISH

- Our grey block finish bonds better to mortar, stucco and paint than a smooth concrete finish.

### ECONOMICAL

- Eliminates costly cast-in-place sills.
- Eliminates the need for a lower window buck.
- 3" setback of window provides deflection clearance for storm shutters.

### WIND RATED

- Safe allowable wind lateral load of 637#/ft based on ACI 530 when set in a full bed of type M or S mortar on 8" hollow C.M.U.

### IMPACT TESTED

- Resists impact loads from large missile ( 9 pound missile @ 50 feet per second ) per TAS 201, SSTD 12 and ASTM E1886/E1996. All test performed by a Miami-Dade accredited laboratory.



### DO NOT USE

Cast in place sills with a wood buck do not have a water stop to help prevent water intrusion into the building. Water intrusion is the #1 cause of mold growth.

# HiDri® PRECAST SILL

## DURABLE

- Machine-made, ensuring uniform dimensions.
- 3000psi concrete exceeds minimum block strength.
- Water dam and sloped face direct water away from window assembly helping to prevent water intrusion.
- Additional water dam @ interior side of window assembly for added protection against water intrusion

## FINISH

- Our grey block finish bonds better to mortar, stucco and paint than a smooth concrete finish.

## ECONOMICAL

- Eliminates costly cast-in-place sills.
- Eliminates the need for a lower window buck.
- 3" setback of window provides deflection clearance for storm shutters.

## WIND RATED

- Safe allowable wind lateral load of 637#/ft based on ACI 530 when set in a full bed of type M or S mortar on 8" hollow C.M.U.

## IMPACT TESTED

- Resists impact loads from large missile (9 pound missile @ 50 feet per second) per TAS 201, SSTD 12 and ASTM E1886/E1996. All test performed by a Miami-Dade accredited laboratory.

**Rebar:** ASTM A615 Grade 60

**Concrete Strength:** 3000 psi

**Average Self Weight:** 17 plf

**Finish:** Grey Block

### OVERALL LENGTH      STEEL

1'-7"      1 - #3 rebar

2'-0"      1 - #3 rebar

2'-2 1/2"      1 - #3 rebar

3'-0"      1 - #3 rebar

3'-1"      1 - #3 rebar

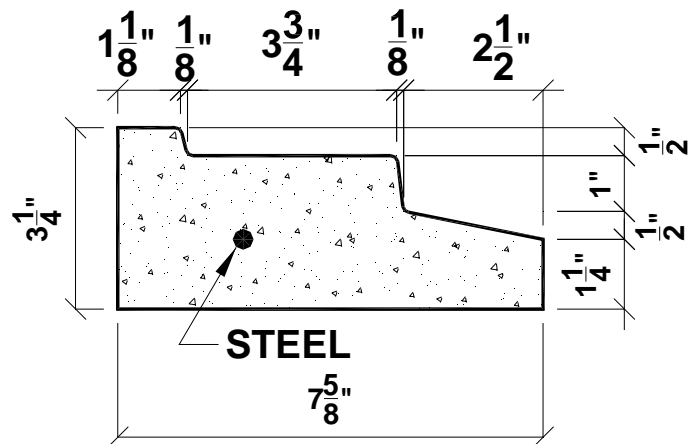
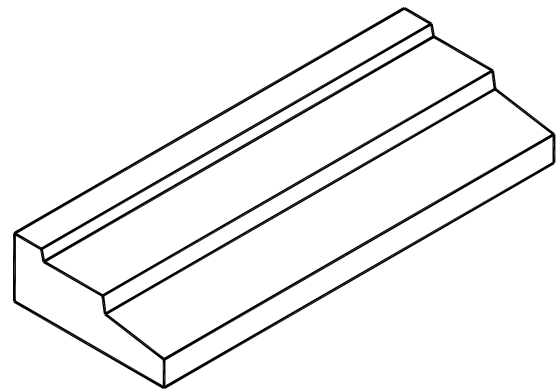
4'-0"      1 - #3 rebar

4'-5"      1 - #3 rebar

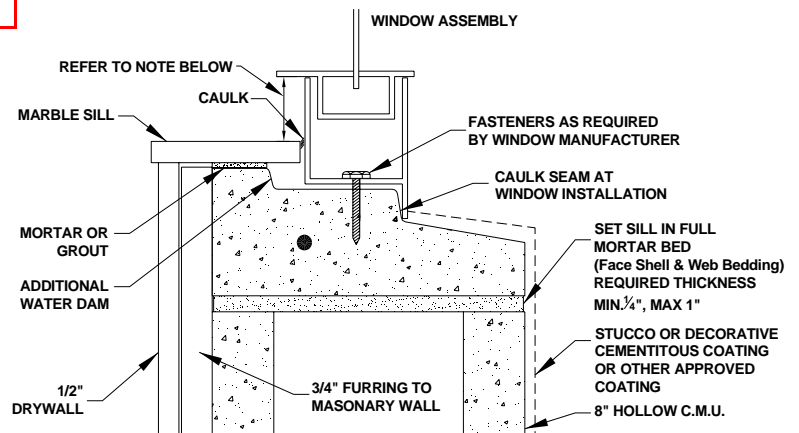
5'-0"      1 - #3 rebar

6'-0"      1 - #3 rebar

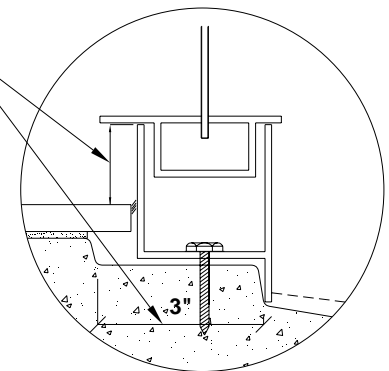
6'-2"      1 - #3 rebar



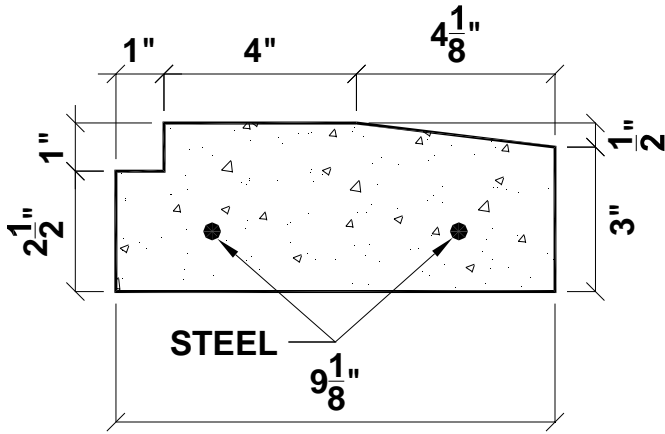
## HiDri® SILL



**NOTE:**  
FOR USE WITH WINDOW FRAMES 3" OR LESS IN WIDTH. COORDINATE WITH THE WINDOW MANUFACTURER TO INSURE ADEQUATE CLEARANCE FOR USE OF LOCKS, LIFT RAIL AND CRANK HANDLE.



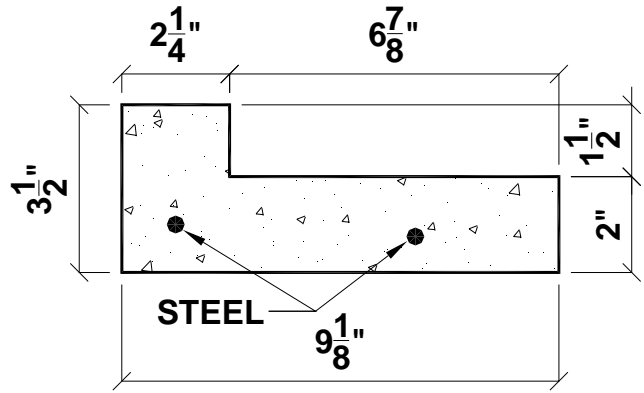
## TYPICAL INSTALLATION



**SWING DOOR THRESHOLD**

OVERALL LENGTH	STEEL
2'-11 1/2"	2 - #3 rebar
3'-3 1/2"	2 - #3 rebar
5'-4"	2 - #3 rebar
6'-3"	2 - #3 rebar

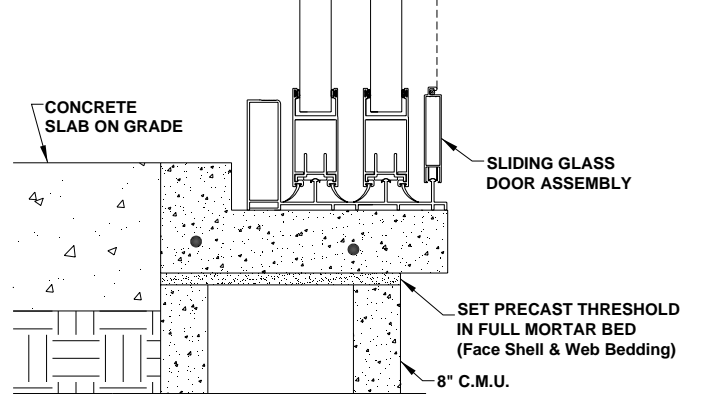
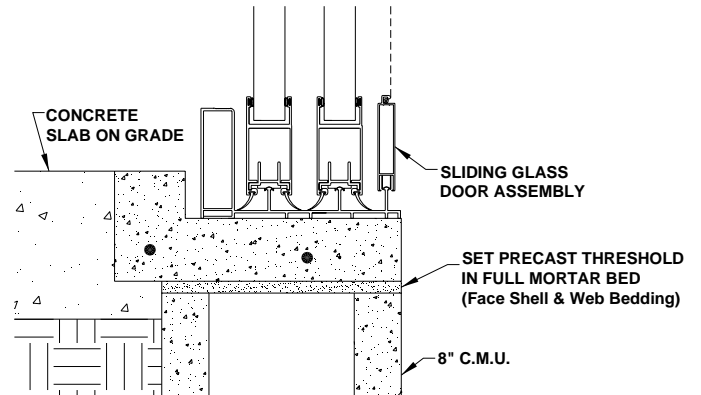
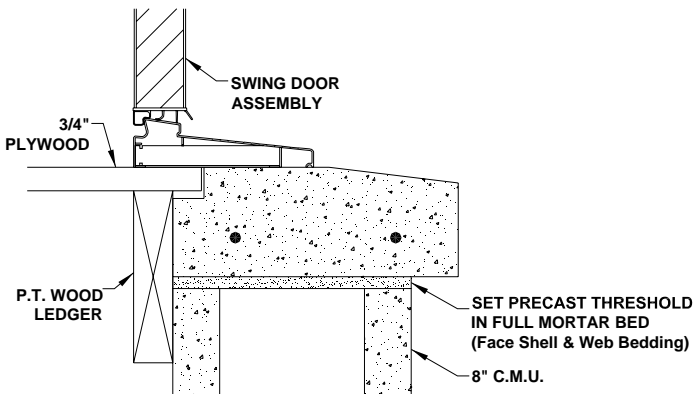
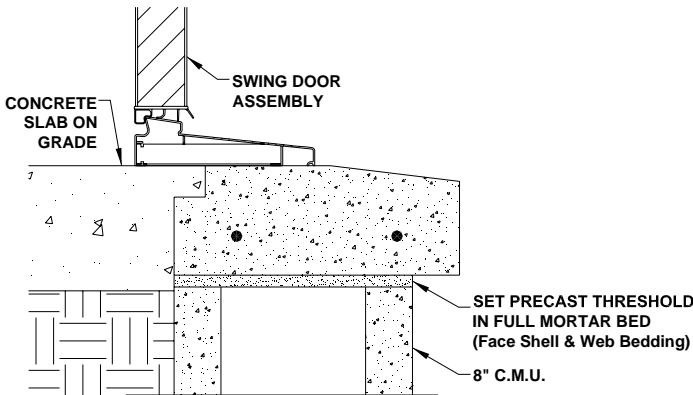
**Rebar:** ASTM A615 Grade 60  
**Concrete Strength:** 3000 psi  
**Average Self Weight:** 28 plf  
**Finish:** Grey Block



**SLIDING GLASS DOOR THRESHOLD**

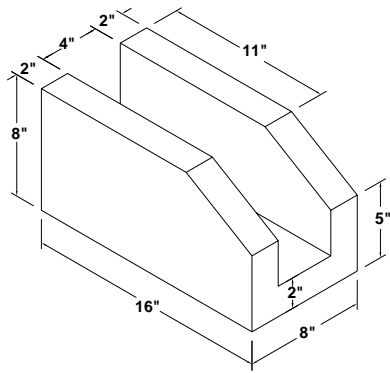
OVERALL LENGTH	STEEL
4'-0"	2 - #3 rebar
5'-0"	2 - #3 rebar
6'-0"	2 - #3 rebar
8'-0"	2 - #3 rebar

**Rebar:** ASTM A615 Grade 60  
**Concrete Strength:** 3000 psi  
**Average Self Weight:** 20 plf  
**Finish:** Grey Block

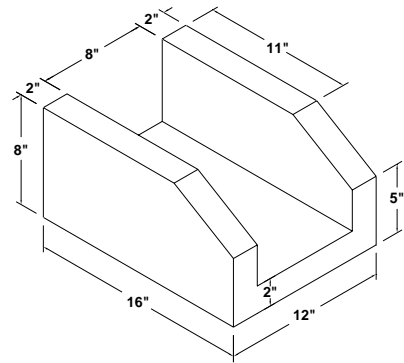


**TYPICAL USE**

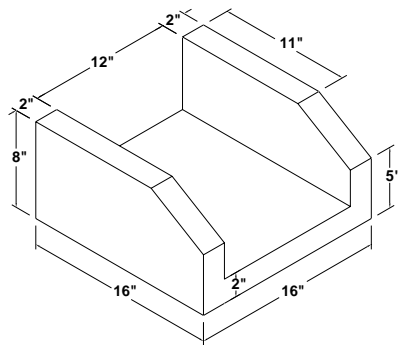
# PRECAST SCUPPERS



**8" SCUPPER**



**12" SCUPPER**



**16" SCUPPER**

**Concrete Strength:** 6000 psi

**Synthetic Fibers:** 2.5 lbs/yd

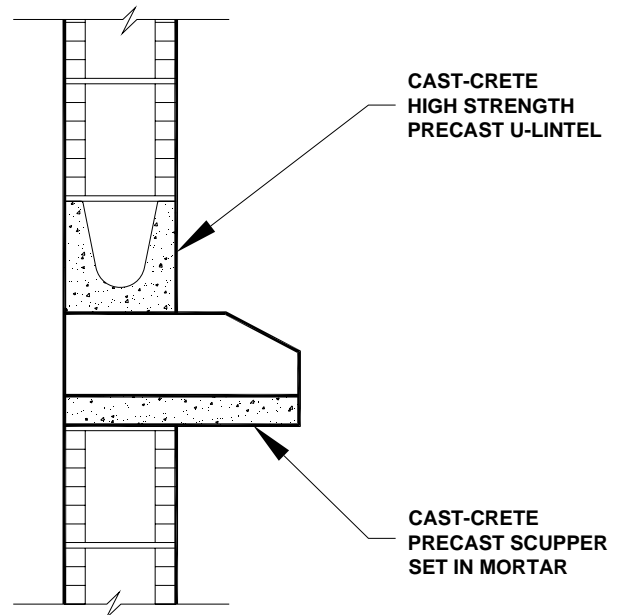
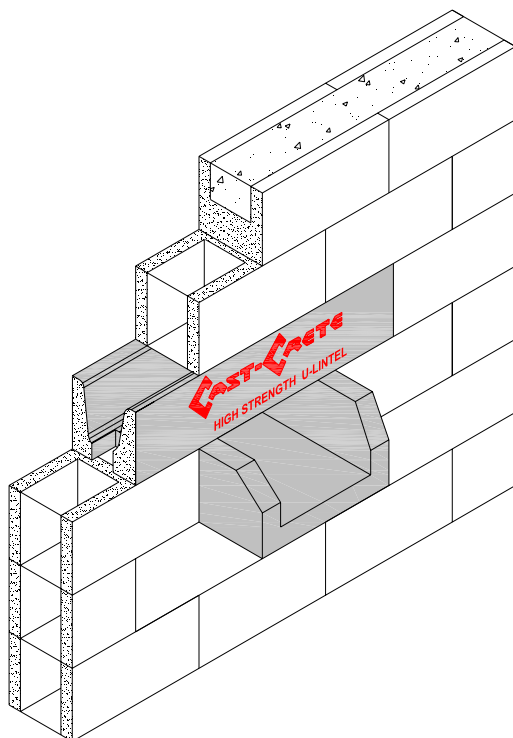
**Average Self Weights:**

8" Scupper = 50 lbs

12" Scupper = 60 lbs

16" Scupper = 70 lbs

**Finish:** Grey Smooth Form



**TYPICAL INSTALLATION**



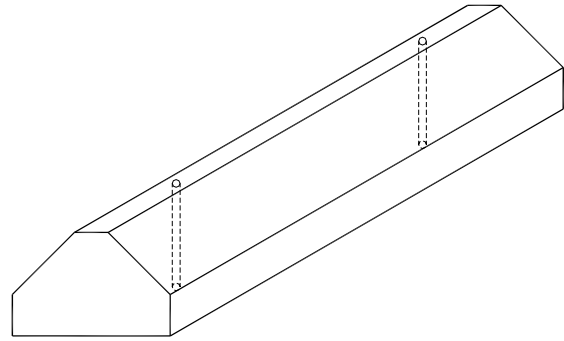
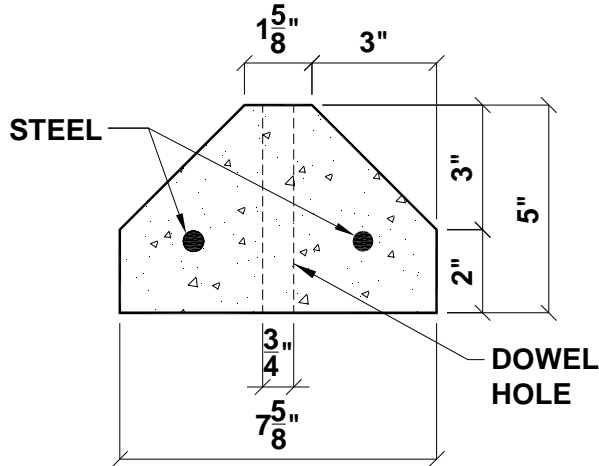
# HEAVY DUTY PRECAST PARKING BUMPERS



**OVERALL LENGTH**

**STEEL**

3'-0"	2 - #3 rebar
6'-0"	2 - #3 rebar



**Rebar:** ASTM A615 Grade 60  
**Concrete Strength:** 4000 psi  
**Average Self Weights:**  
 3'-0" Bumper = 81 lbs  
 6'-0" Bumper = 162 lbs  
**Finish:** Sand / Grey Block

## TYPICAL INSTALLATION

- STEP: 1 Remove any debris from area where parking bumper is to be placed. (Grass, dirt, oil, etc.)
- STEP: 2 Make sure parking bumper is located on a level surface.
- STEP: 3 Place parking bumper in specified location.
- STEP: 4 Drive the pins into the parking surface until the top of pin is at a minimum flush with top of parking bumper.

## DURABLE

- Our parking bumpers are Machine-made, ensuring uniform dimensions and proper placement of the reinforcing steel.

## FINISH

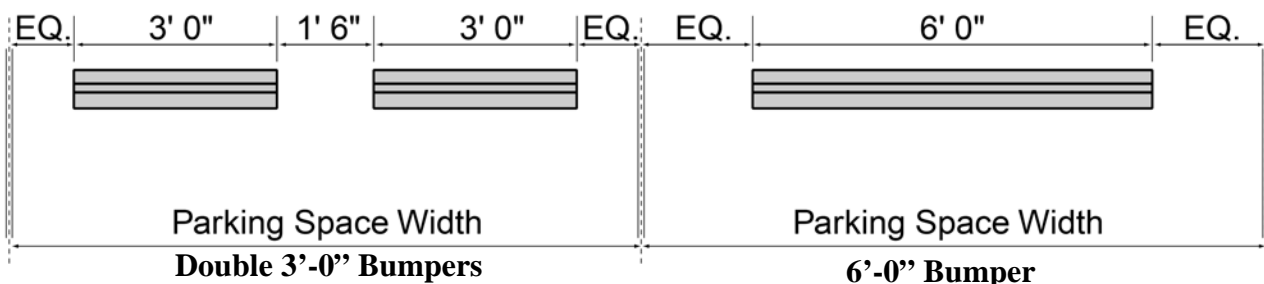
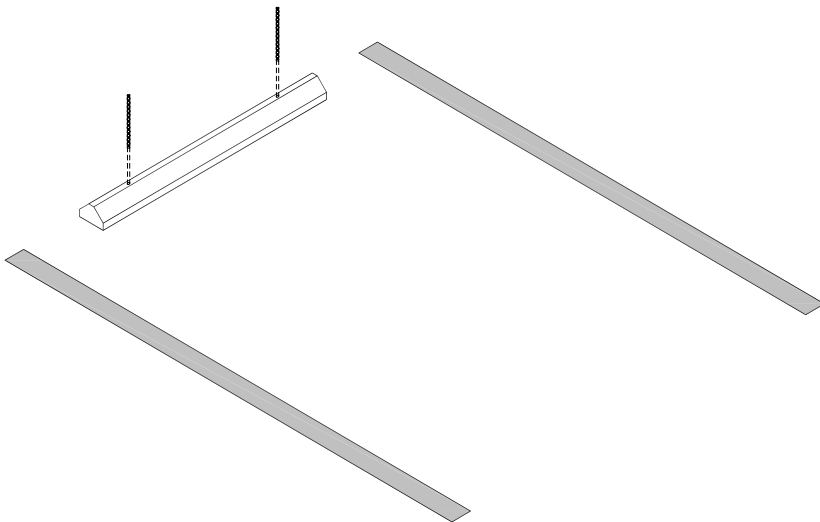
- Grey block texture. Paint adheres better than a smooth concrete finish.

## ECONOMICAL

- 5" height provides clearance for bumpers and air dams on low profile cars. Available in 3'-0" & 6'-0" lengths.

## SPECIFICATIONS

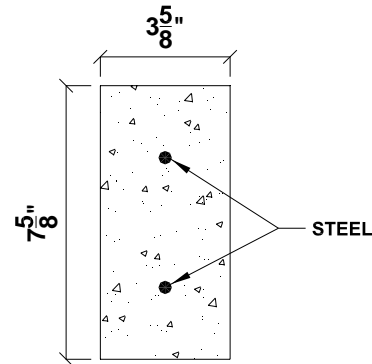
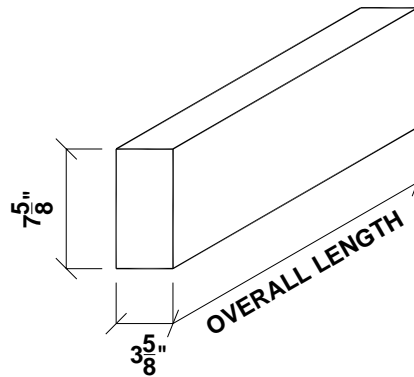
- Machine made with 4,000 P.S.I. concrete. Reinforcing consists of two #3 deformed steel bars. Dowel holes are cast-in to receive a one foot length of #4 rebar anchor rod. Two anchor rods are supplied with each parking bumper.



# 4" PRECAST SOLID LINTELS STANDARD LENGTHS



OVERALL LENGTH	TOP STEEL	BOTTOM STEEL
3'-4"	1 -#3 rebar	1 -#3 rebar
3'-6"	1 -#3 rebar	1 -#3 rebar
4'-0"	1 -#3 rebar	1 -#3 rebar
4'-6"	1 -#3 rebar	1 -#3 rebar
4'-8"	1 -#3 rebar	1 -#3 rebar
5'-4"	1 -#3 rebar	1 -#3 rebar
5'-10"	1 -#3 rebar	1 -#3 rebar
6'-0"	1 -#3 rebar	1 -#3 rebar
6'-6"	1 -#3 rebar	1 -#3 rebar
6'-8"	1 -#3 rebar	1 -#3 rebar
7'-4"	1 -#3 rebar	1 -#3 rebar
7'-6"	1 -#3 rebar	1 -#3 rebar
8'-0"	1 -#3 rebar	1 -#3 rebar
8'-8"	1 -#3 rebar	1 -#3 rebar
9'-4"	1 -#3 rebar	1 -#3 rebar
10'-0"	1 -#3 rebar	1 -#3 rebar
10'-6"	1 -#3 rebar	1 -#3 rebar



**LINTEL TYPE 4S8**

Additional lengths available by special order

**NOTE: INSTALL LINTEL WITH 7 5/8" DIMENSION VERTICAL**

**Rebar:** ASTM A615 Grade 60  
**Concrete Strength:** 3000 psi  
**Average Self Weight:** 26 plf  
**Finish:** Grey Block

# 4" SOLID LINTELS SAFE LOADS (LBS/FT)

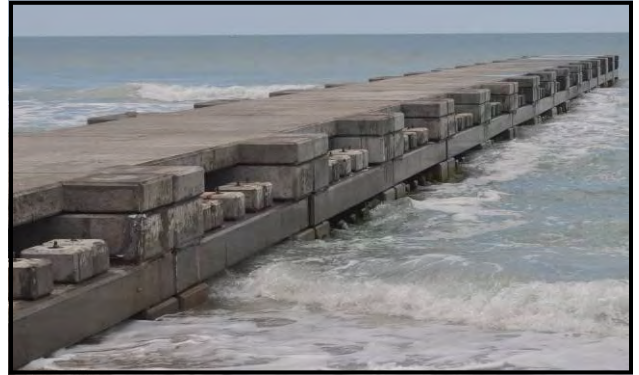
		GRAVITY	UPLIFT	LATERAL
OVERALL LINTEL LENGTH	TYPE OF LINTEL	4S8	4S8	4S8
2'-8" TO 3'-6"	PRECAST	1180	687	371
3'-7" TO 4'-0"	PRECAST	959	597	320
4'-1" TO 4'-6"	PRECAST	789	529	258
4'-7" TO 5'-10"	PRECAST	460	407	148
5'-11" TO 6'-6"	PRECAST	360	366	118
6'-7" TO 7'-6"	PRECAST	260	280	87
7'-7" TO 9'-4"	PRECAST	156	187	55
9'-5" TO 10'-6"	PRECAST	116	152	43

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TOO LARGE**



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