



## **NOTICE TO ALL USERS**

### **READ THIS FIRST**

#### **DISCLAIMER AND LIMITATION OF LIABILITY**

**TERMS AND CONDITIONS:** By using this Fox Blocks' prescriptive engineering design guide, the user acknowledges and accepts the following terms and conditions:

1. Fox Blocks is the manufacturer of stay-in-place formwork for a cast-in-place plain or steel reinforced concrete wall. The Fox Blocks formwork is not a structural component of the wall. The plain or steel reinforced concrete wall is the structural component.
2. This Fox Blocks prescriptive engineering guide shall be used as a reference guide only. It is not to be used as a particular project specification or drawing detail. It may be used for estimating or as a guide for design or construction of the concrete wall formed with Fox Blocks ICF. It is the user's responsibility to ensure the information provided meets local building code requirements and construction practices by consulting with local building officials as well as design and construction professionals with appropriate structural knowledge.
3. Fox Blocks reserves the right to make changes from time-to-time to the information provided herein without notice and assumes no liability in connection with the use of this prescriptive engineering guide and the structural wall reinforcing design tables contained herein.
4. The structural wall reinforcing design tables contained within this prescriptive engineering guide have been prepared in accordance with the ACI 318 design code and the International Building and Residential Codes. The intent of these tables is to enable competent design and building professionals to determine the wall thickness and reinforcement requirements for walls specifically constructed with Fox Blocks ICFs. The design of these tables represents the specific geometry and reinforcement placement unique to Fox Blocks.
5. The structural wall reinforcing design tables contained within this prescriptive engineering guide apply to one and two family residential and some light commercial buildings. It is the responsibility of the user(s) involved to review the applicable design criteria of these tables and adhere to the notes associated with these tables. Airlite Plastics Co. (d/b/a Fox Blocks), its shareholders, directors, officers, employees, agents, affiliates, subsidiaries, successors and assigns assume no responsibility whatsoever for anyone's use, misuse, interpretation or misinterpretation of these tables or the associated notes.
6. If the proposed construction varies from or does not meet the design criteria or applicability parameters noted herein, it is the responsibility of the user(s) to retain a local design professional to prepare the design of the proposed construction in accordance with the applicable design and building codes.

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## Lintel Reinforcement for Fox Blocks Forms

Lintels are designed per ACI 318-14 *Building Code Requirements for Structural Concrete* to act as beams spanning over openings in walls. Tables are provided for lintel heights of 8", 12", 16", 24", and 32". The height of the lintel is limited to the height of the Fox Blocks wall above the opening, and the higher the lintel the less will be the amount of reinforcement required. The lintel reinforcement tables assume a minimum of 3,000 psi concrete strength (at 28 days) and grade 60 rebar. These tables may also be used for higher strengths of concrete or rebar. The information in these tables has been determined assuming the ends of the lintel are not rigid and are not fixed against rotation, and the superimposed load on the lintel is uniformly distributed (i.e., there are no concentrated point loads). Any arching action of the lintel has conservatively been ignored. These tables do not apply to construction cases not covered by the assumed conditions, and such cases should receive special design consideration. Intermediate lintel heights should be designed using the next smaller lintel height. Intermediate lintel spans should be designed using the next longer lintel span.

To use the lintel reinforcement tables, the applied service loads superimposed on the lintel should NOT be multiplied by any load factors found in ACI 318 or applicable building codes. The values in the lintel reinforcement tables have already accounted for dead and live load factors.

Lintels are subject to flexure (bending) and shear. Flexural loads are resisted by reinforcing bars placed at the top and bottom of the lintel. Although the lintel is generally poured as an integral part of the wall, the ends of the lintel have conservatively been assumed to be not fixed against rotation. When the end of the lintel is close to the corner of a wall, the extension should be bent 90 degrees to extend around the corner. Shear reinforcement, when required is provided by #3 stirrups. The shear reinforcement must be adequately anchored at top and bottom as shown in the stirrup details.

The lintels have also been checked for deflection. Allowable deflection is limited to: a) L/360 for immediate deflection due to live load, and b) L/240 for that part of the deflection occurring after attachment of nonstructural element (e.g. window or door) in the opening. The term "L" in the above limits represents the span of the lintel. To design lintels consistent with the typical residential construction conditions used to establish the vertical wall reinforcement tables (found elsewhere in this manual), the following loads may be used.

Description	Service Load (psf)	Tributary Span (ft)	Uniform Load on Lintel (lb/ft)
Floor Dead Load	15	16	240
Floor Live Load	40	16	640
Roof and Ceiling Dead Load	16	20	320
Roof Live Load	20	20	400
Roof Snow Load	49	20	980
Attic Live Load	20	20	400

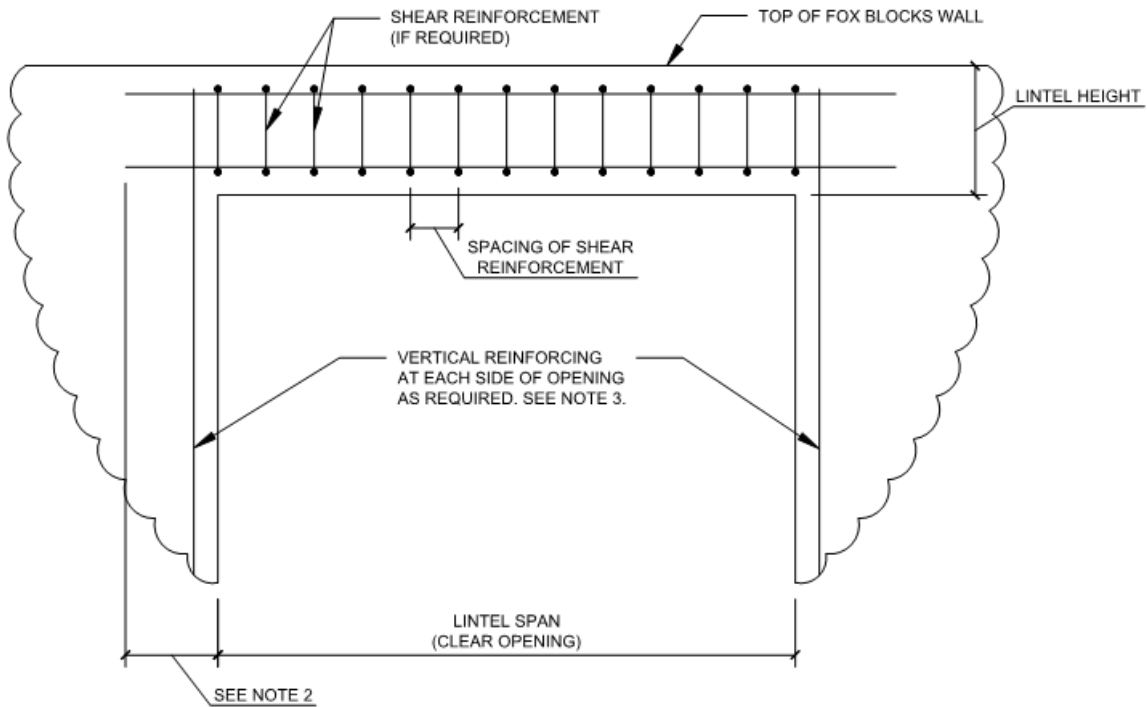
Total Floor Uniform Load on Lintel:

Floor Dead Load + Floor Live Load                      880 lb/ft

Total Roof Uniform Load on Lintel:

	<b>Without Attic</b>	<b>Including Attic</b>
Roof Dead Load + Live Load	720 lb/ft	1120 lb/ft
Roof Dead Load + Snow Load	1300 lb/ft	1700 lb/ft

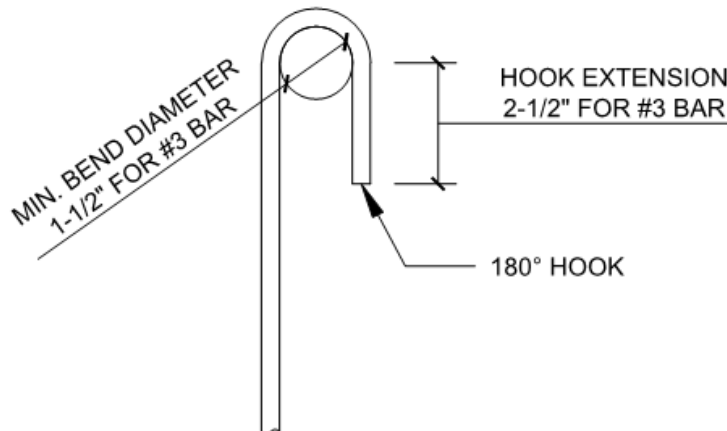
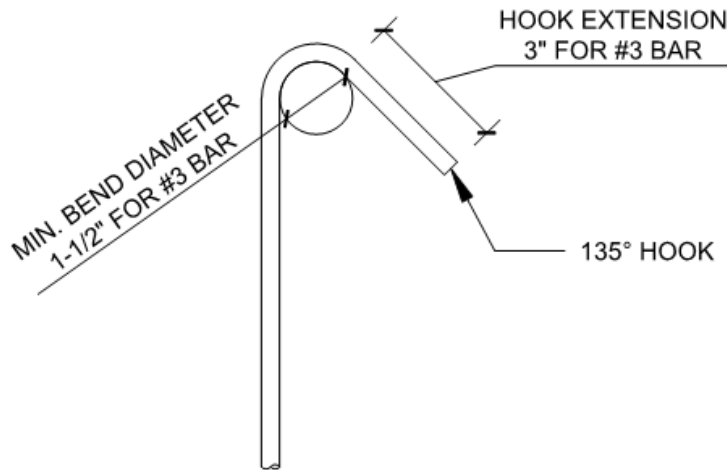
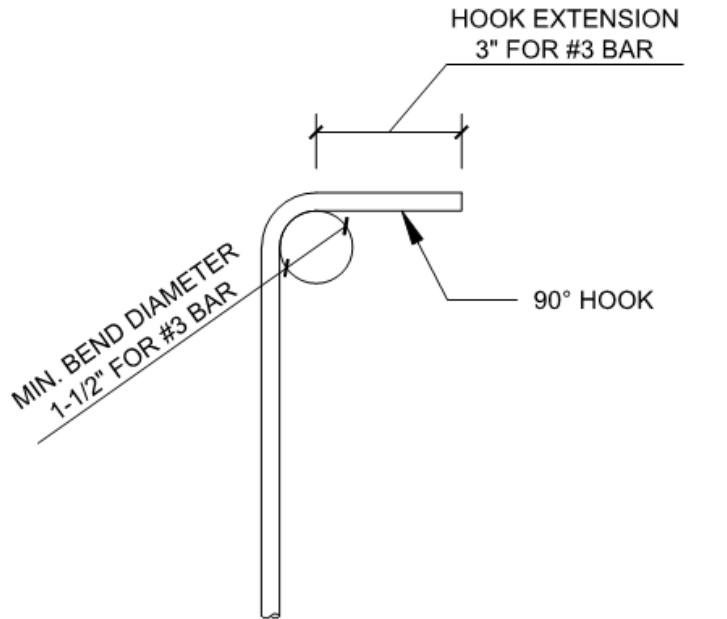
## Lintel Reinforcement - Parameters and Details



### NOTES:

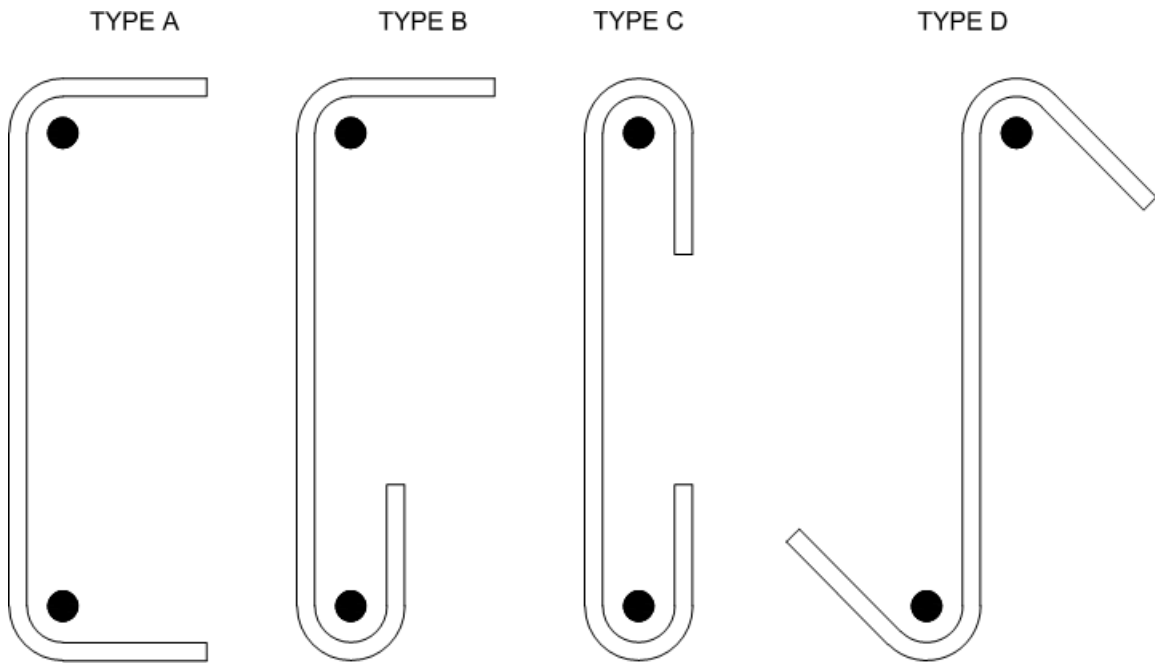
1. See Lintel Reinforcement Tables.
2. Extend lintel reinforcement beyond edge of opening as required. See Lintel Reinforcement Tables.
3. Minimum required vertical reinforcement at opening. See Lintel Reinforcement Tables.

### Optional Methods to Bend a #3 Stirrup Bar

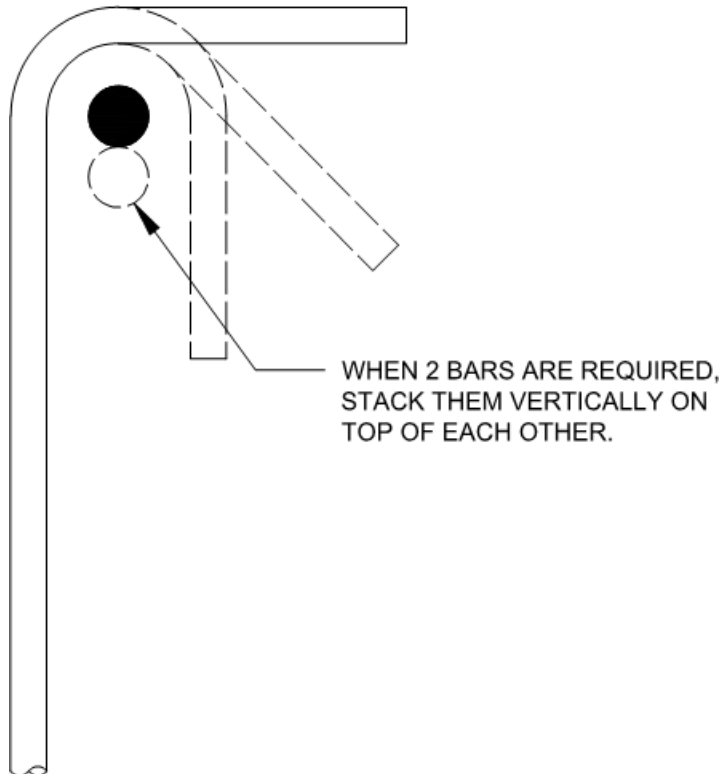


STIRRUP ENDS MUST BE ANCHORED WITH A MINIMUM OF A STANDARD 90° HOOK AT EACH END AROUND THE HORIZONTAL REBAR. IF FORM WIDTH PERMITS, IT MAY BE DESIRABLE TO USE 135° OR 180° HOOK TO FACILITATE PLACING THE STIRRUP OR TO ACHIEVE ADEQUATE CLEAR CONCRETE COVER.

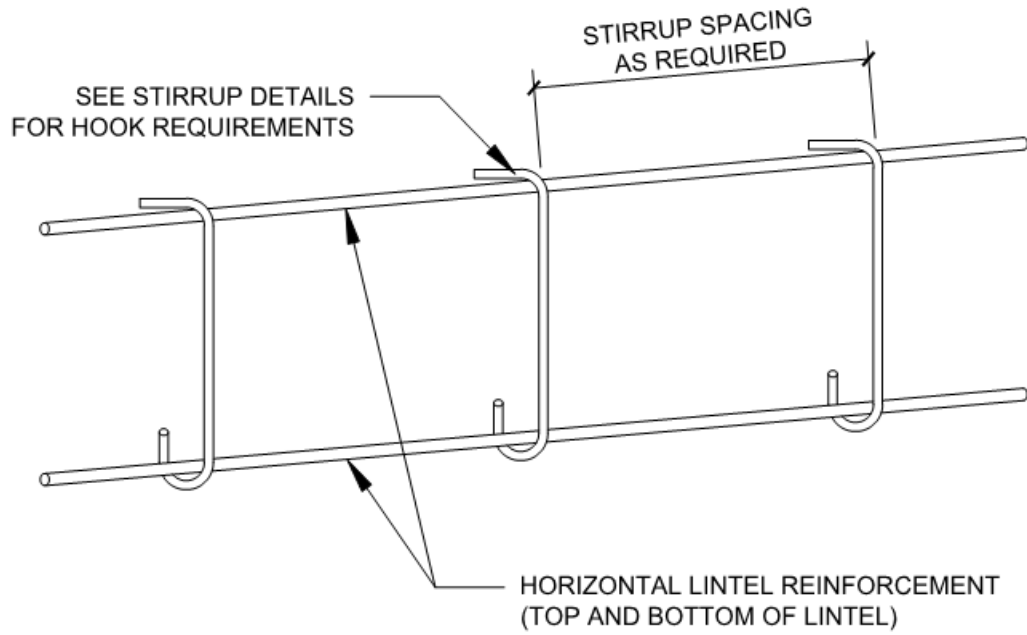
## Optional Methods for Lintel Stirrups



## Lintel Stirrup Details



## Rebar as Lintel Shear Reinforcement





## How to Use the Lintel Reinforcement Tables

- Step 1 - Review the design criteria used to establish the lintel reinforcement tables to determine if they are applicable. In particular, verify that there are no concentrated loads applied to the lintel.
- Step 2 - Determine the lintel height above the opening. Tables are provided for lintel heights of 8", 12", 16", 24", and 32". Intermediate lintel heights may be reinforced according to the table for the next smaller lintel height.
- Step 3 - Determine the lintel span that is the width of the clear opening under the lintel. For spans that are intermediate to the spans shown in the lintel tables, use the next largest lintel span.
- Step 4 - Determine the load per foot of lintel. Use the expected dead and live loads or the code required minimum loads. The loads given may be used for conditions that do not exceed those shown above for typical residential construction.
- Step 5 - Find the appropriate table for the selected lintel height and the width of the Fox Blocks form being used (4", 6", 8", 10", or 12"). Find a load in the table equal to or greater than the applied load determined above. Read from the table the required bending (top & bottom) reinforcement (1-#4, 1-#5, 2-#4, 1-#6, 2-#5, 2-#6) and the required shear reinforcement (#3 stirrups).



## Lintel Reinforcement Table Notes

1. Consult with the local building code for minimum required service loads.
2. Applied service loads should NOT be multiplied by any load factors to use these tables.
3. These tables apply only when the following conditions are met:
  - Superimposed loads on the lintel are uniformly distributed
  - Lintel is not subject to any concentrated loads
4. Where (2) bars are required, bars may be bundled together (in contact with each other).
5. Lintel reinforcement must extend the appropriate development length beyond each face of the opening as follows:

Bar Size	Development Length
#4	22"
#5	28"
#6	33"

6. A minimum of 2-#5 bars shall be provided on each side of every opening to meet 318-14, 11.7.5.1.
7. See details in introduction to lintel reinforcement for reinforcement placement.
8. Lintels designed for typical residential construction cases used to establish the vertical reinforcement tables (found elsewhere in this manual) may use the following loads. Consult an engineer beyond these parameters.
 

**Floor** dead and live load = 880 plf  
**Roof** dead and live load = 720 plf (without attic); 1120 plf (including attic)  
**Roof** dead and snow load = 1300 plf (without attic); 1700 plf (including attic)
9. The #3 stirrups, where required, must be placed at the required spacing as indicated in the legend at the top of the lintel tables.
10. When (2) horizontal lintel bars are required, the (2) bars are to be stacked one on top of the other and centered in the wall. The stirrups, if required are wrapped around the stacked top and bottom horizontal bars.

# 8" Lintel Height

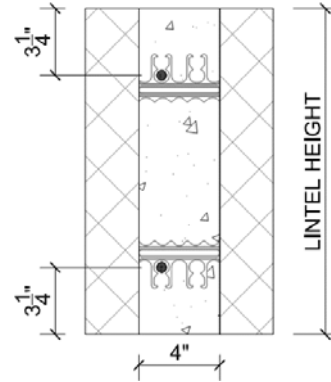
# 4" Fox Blocks

Design Parameters:

Lintel Height: 8 in  
 Concrete Strength at 28 days,  $f'_c$ : 3000 psi  
 Steel Strength,  $f_y$ : 60 ksi  
 Shear Reinforcement Spacing: N/A in  
 Compatible Stirrup Types: None

Legend:

1-#4 = Reinforcing required for top and bottom of lintel  
 None = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)						
	3	4	5	6	7	8	10
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None
200	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None		
300	1-#4 None	1-#4 None	1-#4 None	1-#4 None			
350	1-#4 None	1-#4 None	1-#4 None				
400	1-#4 None	1-#4 None					
500	1-#4 None						
600	1-#4 None						

NOTES:

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 12" Lintel Height

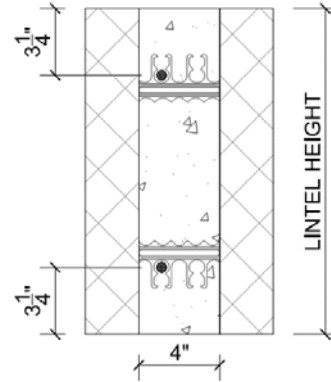
# 4" Fox Blocks

Design Parameters:

Lintel Height: 12 in  
 Concrete Strength at 28 days,  $f'_c$ : 3000 psi  
 Steel Strength,  $f_y$ : 60 ksi  
 Shear Reinforcement Spacing: N/A in  
 Compatible Stirrup Types: None

Legend:

1-#4 = Reinforcing required for top and bottom of lintel  
 None = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)					
	3	4	5	6	7	8
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None
200	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None		
300	1-#4 None	1-#4 None	1-#4 None			
350	1-#4 None	1-#4 None				
400	1-#4 None	1-#4 None				
500	1-#4 None					

NOTES:

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 16" Lintel Height

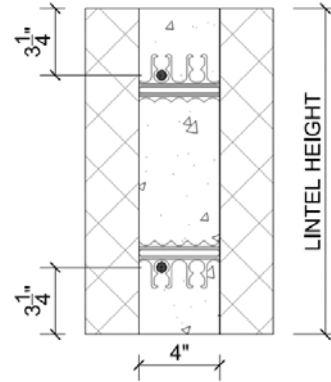
# 4" Fox Blocks

Design Parameters:

Lintel Height: 16 in  
 Concrete Strength at 28 days,  $f'_c$ : 3000 psi  
 Steel Strength,  $f_y$ : 60 ksi  
 Shear Reinforcement Spacing: N/A in  
 Compatible Stirrup Types: None

Legend:

1-#4 = Reinforcing required for top and bottom of lintel  
 None = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)							
	3	4	5	6	7	8	10	12
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None
200	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None		
300	1-#4 None	1-#4 None	1-#4 None	1-#4 None				
350	1-#4 None	1-#4 None	1-#4 None					
400	1-#4 None	1-#4 None						
500	1-#4 None	1-#4 None						
600	1-#4 None	1-#4 None						
750	1-#4 None							

NOTES:

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 24" Lintel Height

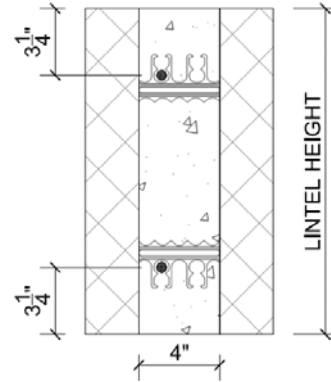
# 4" Fox Blocks

Design Parameters:

Lintel Height: 24 in  
 Concrete Strength at 28 days,  $f'_c$ : 3000 psi  
 Steel Strength,  $f_y$ : 60 ksi  
 Shear Reinforcement Spacing: N/A in  
 Compatible Stirrup Types: None

Legend:

1-#4 = Reinforcing required for top and bottom of lintel  
 None = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)											
	3	4	5	6	7	8	10	12	14	16	18	
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None
200	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None		
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None				
300	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None					
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None					
400	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None						
500	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None							
600	1-#4 None	1-#4 None	1-#4 None	1-#4 None								
750	1-#4 None	1-#4 None	1-#4 None									
1000	1-#4 None											

NOTES:

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 32" Lintel Height

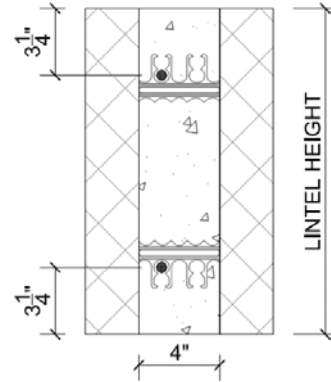
# 4" Fox Blocks

**Design Parameters:**

- Lintel Height: 32 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: N/A in
- Compatible Stirrup Types: None

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- None = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)												
	3	4	5	6	7	8	10	12	14	16	18	20	22
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None
200	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None		
300	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None				
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None					
400	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None						
500	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None							
750	1-#4 None	1-#4 None	1-#4 None	1-#4 None									
1000	1-#4 None	1-#4 None	1-#4 None										
1500	1-#4 None												

**NOTES:**

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 8" Lintel Height

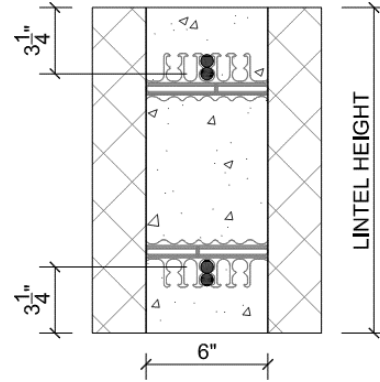
Design Parameters:

Lintel Height: 8 in  
 Concrete Strength at 28 days,  $f'_c$ : 3000 psi  
 Steel Strength,  $f_y$ : 60 ksi  
 Shear Reinforcement Spacing: N/A in  
 Compatible Stirrup Types: A, B, C

Legend:

1-#4 = Reinforcing required for top and bottom of lintel  
 None = Shear Reinforcing required at spacing given above

# 6" Fox Blocks



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)							
	3	4	5	6	7	8	10	
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None
200	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None		
300	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None		
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None			
400	1-#4 None	1-#4 None	1-#4 None	1-#4 None				
500	1-#4 None	1-#4 None	1-#4 None					
600	1-#4 None	1-#4 None						
750	1-#4 None							

NOTES:

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 12" Lintel Height

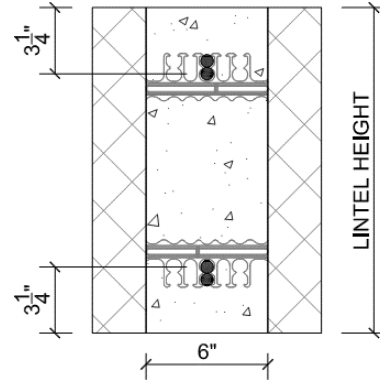
# 6" Fox Blocks

Design Parameters:

- Lintel Height: 12 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 4 in
- Compatible Stirrup Types: A, B, C

Legend:

- 1-#4 = Reinforcing required for top and bottom of lintel
- None = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)							
	3	4	5	6	7	8	10	12
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None
200	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None		
300	1-#4 None	1-#4 None	1-#4 None	1-#4 None				
350	1-#4 None	1-#4 None	1-#4 None					
400	1-#4 None	1-#4 None						
500	1-#4 None	1-#4 None						
600	1-#4 None	1-#4 None						
750	1-#4 None							

NOTES:

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.



# 16" Lintel Height

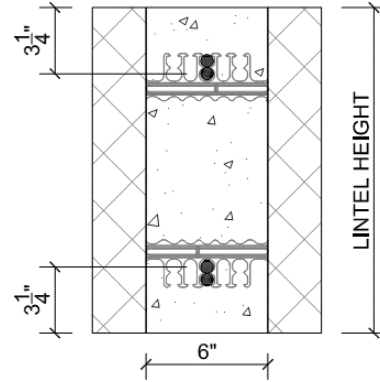
# 6" Fox Blocks

**Design Parameters:**

- Lintel Height: 16 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 6 in
- Compatible Stirrup Types: A, B, C

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)											
	3	4	5	6	7	8	10	12	14	16	18	20
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	1-#5 #3	2-#4 #3
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 #3	1-#5 #3	2-#4 #3	
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 #3	1-#5 #3	1-#5 #3	1-#6 #3		
500	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 #3	1-#4 #3	1-#5 #3	1-#5 #3	1-#6 #3	2-#5 #3		
750	1-#4 None	1-#4 None	1-#4 #3	1-#4 #3	1-#4 #3	1-#5 #3	1-#5 #3	2-#5 #3	2-#6 #3			
1000	1-#4 None	1-#4 #3	1-#4 #3	1-#4 #3	1-#5 #3	1-#5 #3	1-#6 #3	2-#5 #3				
1500	1-#4 #3	1-#4 #3	1-#4 #3	1-#5 #3	1-#5 #3	2-#4 #3	2-#5 #3					
2000	1-#4 #3	1-#4 #3	1-#5 #3	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3					
2500	1-#4 #3	1-#4 #3	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3						
3000	1-#4 #3	1-#5 #3	1-#5 #3	1-#6 #3								

**NOTES:**

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 24" Lintel Height

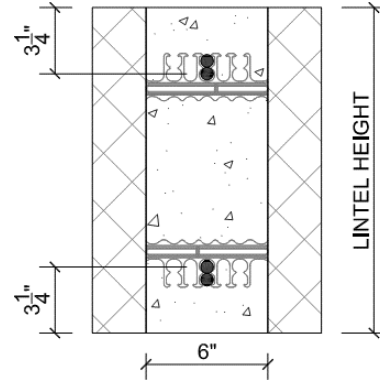
# 6" Fox Blocks

**Design Parameters:**

- Lintel Height: 24 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 10 in
- Compatible Stirrup Types: A, B, C

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)											
	7	8	10	12	14	16	18	20	22	24	26	28
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	1-#6 None	1-#6 #3	2-#5 #3
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 #3	1-#6 #3	1-#6 #3	2-#5 #3	2-#5 #3	2-#6 #3
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 #3	2-#4 #3	1-#6 #3	1-#6 #3	2-#5 #3	2-#5 #3	2-#6 #3	
500	1-#4 None	1-#4 None	1-#4 None	1-#5 #3	2-#4 #3	1-#6 #3	2-#5 #3	2-#5 #3	2-#6 #3			
750	1-#4 None	1-#4 #3	1-#5 #3	2-#4 #3	1-#6 #3	2-#5 #3	2-#6 #3	2-#6 #3				
1000	1-#4 #3	1-#5 #3	2-#4 #3	1-#6 #3	2-#5 #3	2-#6 #3	2-#6 #3					
1500	1-#5 #3	1-#5 #3	1-#6 #3	2-#5 #3	2-#6 #3							
2000	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3								
2500	2-#4 #3	1-#6 #3										
3000	1-#6 #3	2-#5 #3										

**NOTES:**

- Consult with the local building code for minimum required service loads.
- Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
- A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
- See details in introduction to lintel reinforcement for reinforcement placement.
- See accompanying Lintel Reinforcement Table Notes.

# 32" Lintel Height

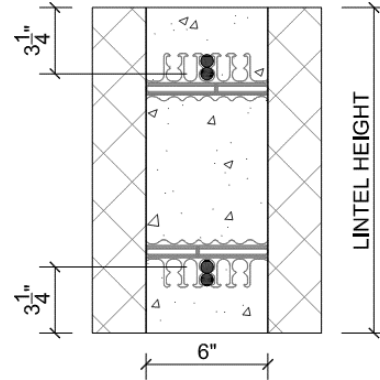
# 6" Fox Blocks

**Design Parameters:**

- Lintel Height: 32 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 14 in
- Compatible Stirrup Types: A, B, C

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)												
	7	8	10	12	14	16	18	20	22	24	26	28	30
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	1-#5 None	2-#4 None	1-#6 None	2-#5 None	2-#5 #3
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	1-#6 None	2-#5 #3	2-#5 #3	2-#5 #3	2-#5 #3
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 #3	1-#6 #3	2-#5 #3	2-#5 #3	2-#5 #3	2-#6 #3	2-#6 #3
500	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 #3	2-#4 #3	2-#5 #3	2-#5 #3	2-#5 #3	2-#5 #3	2-#6 #3	2-#6 #3	
750	1-#4 None	1-#4 None	1-#4 #3	1-#5 #3	2-#4 #3	2-#5 #3	2-#5 #3	2-#5 #3	2-#6 #3	2-#6 #3			
1000	1-#4 None	1-#4 #3	1-#5 #3	2-#4 #3	2-#5 #3	2-#5 #3	2-#5 #3	2-#6 #3					
1500	1-#4 #3	1-#5 #3	2-#4 #3	2-#5 #3	2-#5 #3	2-#6 #3							
2000	1-#5 #3	1-#5 #3	2-#5 #3	2-#5 #3	2-#6 #3								
2500	1-#5 #3	2-#4 #3	2-#5 #3										
3000	2-#4 #3	1-#6 #3											

**NOTES:**

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 8" Lintel Height

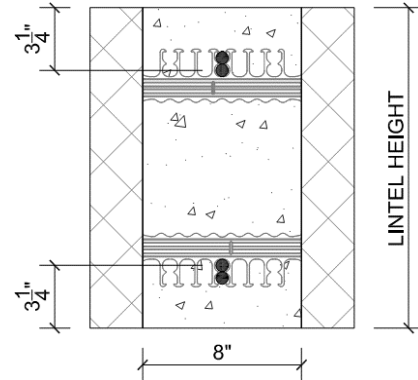
# 8" Fox Blocks

Design Parameters:

Lintel Height: 8 in  
 Concrete Strength at 28 days,  $f'_c$ : 3000 psi  
 Steel Strength,  $f_y$ : 60 ksi  
 Shear Reinforcement Spacing: N/A in  
 Compatible Stirrup Types: A, B, C

Legend:

1-#4 = Reinforcing required for top and bottom of lintel  
 None = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)							
	3	4	5	6	7	8	10	12
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None
200	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	2-#4 None	
300	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None		
400	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None		
500	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None			
600	1-#4 None	1-#4 None	1-#4 None	1-#5 None				
750	1-#4 None	1-#4 None						
1000	1-#4 None							

NOTES:

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 12" Lintel Height

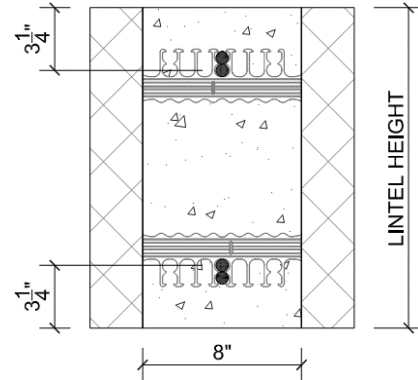
# 8" Fox Blocks

**Design Parameters:**

- Lintel Height: 12 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 4 in
- Compatible Stirrup Types: A, B, C

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)									
	3	4	5	6	7	8	10	12	14	16
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	1-#5 #3
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 #3	2-#4 #3	2-#5 #3
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 #3	2-#4 #3	2-#5 #3	
500	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 #3	1-#5 #3	1-#5 #3	2-#5 #3		
750	1-#4 None	1-#4 None	1-#4 #3	1-#5 #3	1-#5 #3	1-#5 #3	2-#5 #3	2-#6 #3		
1000	1-#4 None	1-#4 #3	1-#4 #3	1-#5 #3	1-#5 #3	2-#4 #3	2-#5 #3			
1500	1-#4 #3	1-#4 #3	1-#5 #3	1-#5 #3	1-#6 #3	2-#5 #3				
2000	1-#4 #3	1-#5 #3	1-#5 #3	1-#6 #3	2-#5 #3	2-#6 #3				
2500	1-#4 #3	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3					
3000	1-#4 #3	1-#5 #3	1-#6 #3	2-#6 #3						

**NOTES:**

- Consult with the local building code for minimum required service loads.
- Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
- A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
- See details in introduction to lintel reinforcement for reinforcement placement.
- See accompanying Lintel Reinforcement Table Notes.

# 16" Lintel Height

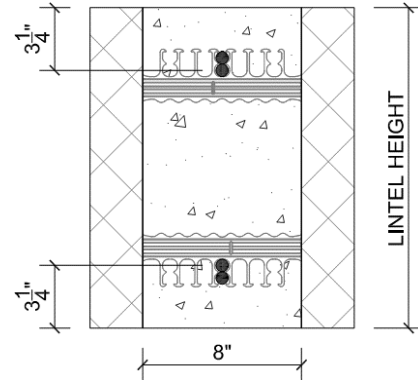
# 8" Fox Blocks

**Design Parameters:**

- Lintel Height: 16 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 6 in
- Compatible Stirrup Types: A, B, C

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)												
	3	4	5	6	7	8	10	12	14	16	18	20	22
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	2-#4 None	2-#5 #3
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	2-#4 #3	1-#6 #3	2-#5 #3	
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 #3	2-#4 #3	1-#6 #3	2-#5 #3		
500	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 #3	2-#4 #3	1-#6 #3	2-#5 #3			
750	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 #3	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3				
1000	1-#4 None	1-#4 None	1-#4 #3	1-#4 #3	1-#5 #3	2-#4 #3	1-#6 #3	2-#5 #3	2-#6 #3				
1500	1-#4 None	1-#4 #3	1-#4 #3	1-#5 #3	2-#4 #3	2-#4 #3	2-#5 #3						
2000	1-#4 #3	1-#4 #3	1-#5 #3	2-#4 #3	2-#4 #3	2-#5 #3	2-#6 #3						
2500	1-#4 #3	1-#4 #3	2-#4 #3	2-#4 #3	2-#5 #3	2-#6 #3							
3000	1-#4 #3	1-#5 #3	2-#4 #3	1-#6 #3	2-#5 #3								

**NOTES:**

- Consult with the local building code for minimum required service loads.
- Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
- A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
- See details in introduction to lintel reinforcement for reinforcement placement.
- See accompanying Lintel Reinforcement Table Notes.

# 24" Lintel Height

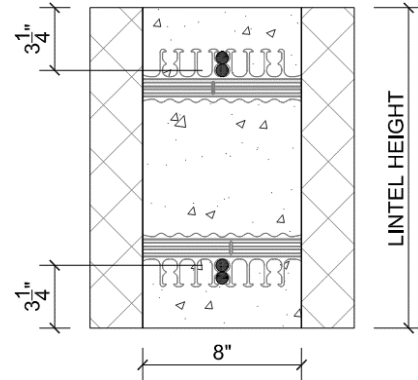
# 8" Fox Blocks

**Design Parameters:**

- Lintel Height: 24 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 10 in
- Compatible Stirrup Types: A, B, C

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)												
	7	8	10	12	14	16	18	20	22	24	26	28	30
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	1-#6 None	2-#5 None	2-#5 None	2-#5 None	2-#5 #3
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	2-#5 None	2-#5 #3	2-#5 #3	2-#5 #3	2-#6 #3	
350	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	2-#5 #3	2-#5 #3	2-#5 #3	2-#6 #3	2-#6 #3		
500	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 #3	2-#5 #3	2-#5 #3	2-#5 #3	2-#6 #3	2-#6 #3			
750	1-#4 None	1-#4 None	1-#5 #3	2-#4 #3	2-#5 #3	2-#5 #3	2-#6 #3	2-#6 #3					
1000	1-#4 None	1-#5 #3	2-#4 #3	2-#5 #3	2-#5 #3	2-#6 #3	2-#6 #3						
1500	1-#5 #3	1-#5 #3	2-#5 #3	2-#5 #3	2-#6 #3								
2000	1-#5 #3	1-#6 #3	2-#5 #3	2-#6 #3									
2500	2-#4 #3	2-#5 #3	2-#5 #3										
3000	2-#5 #3	2-#5 #3											

**NOTES:**

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 32" Lintel Height

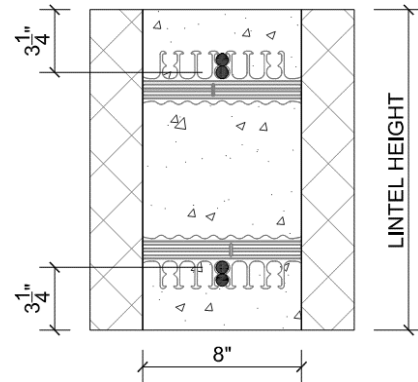
# 8" Fox Blocks

**Design Parameters:**

- Lintel Height: 32 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 14 in
- Compatible Stirrup Types: A, B, C

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)												
	7	8	10	12	14	16	18	20	22	24	26	28	30
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	2-#4 None	2-#5 None	2-#5 None	2-#6 None
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	2-#4 None	2-#5 None	2-#5 None	2-#6 #3	2-#6 #3
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	2-#4 None	2-#5 #3	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3
500	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	2-#5 #3	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3		
750	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 #3	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3				
1000	1-#4 None	1-#4 None	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3					
1500	1-#4 #3	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3	2-#6 #3							
2000	1-#5 #3	1-#5 #3	2-#5 #3	2-#6 #3	2-#6 #3								
2500	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3									
3000	2-#4 #3	1-#6 #3	2-#6 #3										

**NOTES:**

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.



# 8" Lintel Height

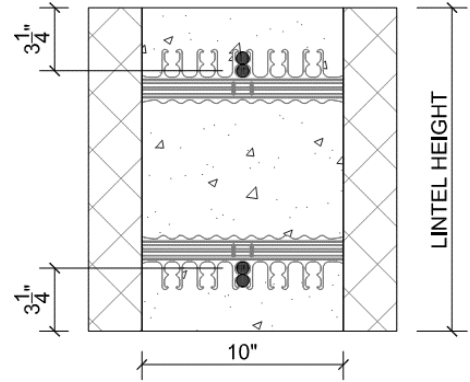
# 10" Fox Blocks

**Design Parameters:**

Lintel Height: 8 in  
 Concrete Strength at 28 days,  $f'_c$ : 3000 psi  
 Steel Strength,  $f_y$ : 60 ksi  
 Shear Reinforcement Spacing: N/A in  
 Compatible Stirrup Types: A, B, C, D

**Legend:**

1-#4 = Reinforcing required for top and bottom of lintel  
 None = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)							
	3	4	5	6	7	8	10	12
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None
200	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	2-#4 None	
300	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#6 None	
400	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#5 None	
500	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None		
750	1-#4 None	1-#4 None	1-#5 None	1-#5 None				
1000	1-#4 None	1-#4 None						
1500	1-#4 None							

**NOTES:**

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 12" Lintel Height

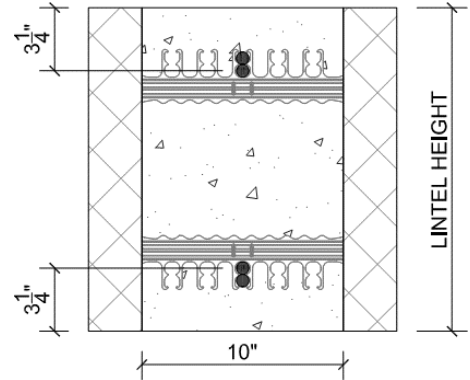
# 10" Fox Blocks

**Design Parameters:**

- Lintel Height: 8 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 4 in
- Compatible Stirrup Types: A, B, C, D

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)										
	3	4	5	6	7	8	10	12	14	16	18
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	1-#6 None
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	2-#5 None	
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 #3	2-#5 #3		
500	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3		
750	1-#4 None	1-#4 None	1-#4 None	1-#5 #3	1-#5 #3	1-#5 #3	2-#4 #3	2-#5 #3			
1000	1-#4 None	1-#4 None	1-#4 #3	1-#5 #3	1-#5 #3	2-#4 #3	2-#5 #3				
1500	1-#4 #3	1-#4 #3	1-#5 #3	1-#5 #3	1-#6 #3	2-#5 #3					
2000	1-#4 #3	1-#5 #3	1-#5 #3	1-#6 #3	2-#5 #3	2-#6 #3					
2500	1-#4 #3	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3						
3000	1-#4 #3	1-#5 #3	1-#6 #3	2-#5 #3	2-#6 #3						

**NOTES:**

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 16" Lintel Height

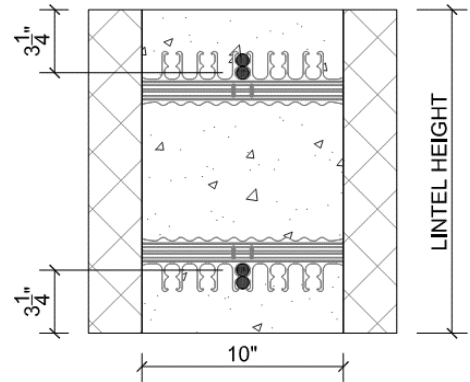
# 10" Fox Blocks

**Design Parameters:**

- Lintel Height: 16 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 6 in
- Compatible Stirrup Types: A, B, C, D

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)												
	3	4	5	6	7	8	10	12	14	16	18	20	22
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	1-#6 None	1-#6 None	2-#5 None
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	1-#6 None	2-#5 #3	2-#5 #3	2-#5 #3
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	1-#6 #3	2-#5 #3	2-#5 #3	2-#6 #3	2-#6 #3
500	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#6 #3	2-#5 #3	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3
750	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 #3	1-#6 #3	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3
1000	1-#4 None	1-#4 None	1-#4 None	1-#4 #3	1-#5 #3	2-#4 #3	1-#6 #3	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3
1500	1-#4 None	1-#4 None	1-#4 #3	1-#5 #3	2-#4 #3	1-#6 #3	2-#5 #3	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3
2000	1-#4 None	1-#4 #3	1-#5 #3	2-#4 #3	1-#6 #3	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3
2500	1-#4 #3	1-#4 #3	2-#4 #3	1-#6 #3	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3
3000	1-#4 #3	1-#5 #3	2-#4 #3	1-#6 #3	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3

**NOTES:**

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 24" Lintel Height

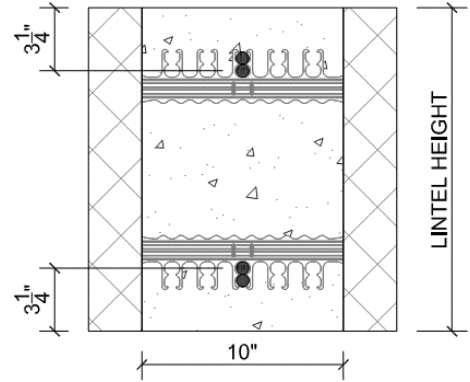
# 10" Fox Blocks

**Design Parameters:**

- Lintel Height: 24 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 10 in
- Compatible Stirrup Types: A, B, C, D

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)												
	7	8	10	12	14	16	18	20	22	24	26	28	30
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	2-#4 None	2-#5 None	2-#5 None	2-#6 None	2-#6 None	2-#6 None
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	1-#6 None	2-#5 None	2-#6 None	2-#6 None	2-#6 #3	2-#6 #3	
350	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	1-#6 None	2-#5 None	2-#6 #3	2-#6 #3	2-#6 #3	2-#6 #3		
500	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3				
750	1-#4 None	1-#4 None	1-#5 None	2-#4 #3	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3					
1000	1-#4 None	1-#5 None	2-#4 #3	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3						
1500	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3	2-#6 #3								
2000	2-#4 #3	1-#6 #3	2-#6 #3	2-#6 #3									
2500	2-#4 #3	2-#5 #3	2-#6 #3	2-#6 #3									
3000	2-#5 #3	2-#5 #3	2-#6 #3										

**NOTES:**

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 32" Lintel Height

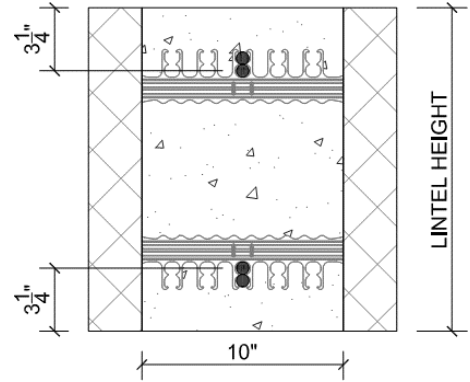
# 10" Fox Blocks

**Design Parameters:**

- Lintel Height: 32 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 14 in
- Compatible Stirrup Types: A, B, C, D

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)												
	7	8	10	12	14	16	18	20	22	24	26	28	30
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	1-#6 None	2-#5 None	2-#5 None	2-#6 None	2-#6 None
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	1-#6 None	2-#5 None	2-#5 None	2-#6 None	2-#6 None	
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	1-#6 None	2-#5 None	2-#5 None	2-#6 None	2-#6 #3		
500	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	1-#6 None	2-#5 None	2-#6 #3	2-#6 #3				
750	1-#4 None	1-#4 None	1-#5 None	1-#5 None	1-#6 None	2-#5 #3	2-#6 #3	2-#6 #3					
1000	1-#4 None	1-#4 None	1-#5 None	2-#4 #3	2-#5 #3	2-#6 #3	2-#6 #3						
1500	1-#4 None	1-#5 None	2-#4 #3	2-#5 #3	2-#6 #3								
2000	1-#5 #3	1-#5 #3	2-#5 #3	2-#6 #3									
2500	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3									
3000	2-#4 #3	1-#6 #3	2-#6 #3										

**NOTES:**

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 8" Lintel Height

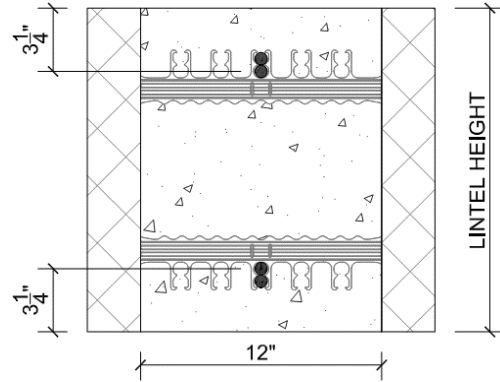
# 12" Fox Blocks

**Design Parameters:**

Lintel Height: 8 in  
 Concrete Strength at 28 days,  $f'_c$ : 3000 psi  
 Steel Strength,  $f_y$ : 60 ksi  
 Shear Reinforcement Spacing: N/A in  
 Compatible Stirrup Types: A, B, C, D

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)							
	3	4	5	6	7	8	10	12
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None
200	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#6 None
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	2-#5 None
300	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	1-#6 None	
400	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#5 None	
500	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None		
750	1-#4 None	1-#4 None	1-#5 None	1-#5 None	1-#6 None			
1000	1-#4 None	1-#4 None	1-#5 None					
1500	1-#4 None							

**NOTES:**

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 12" Lintel Height

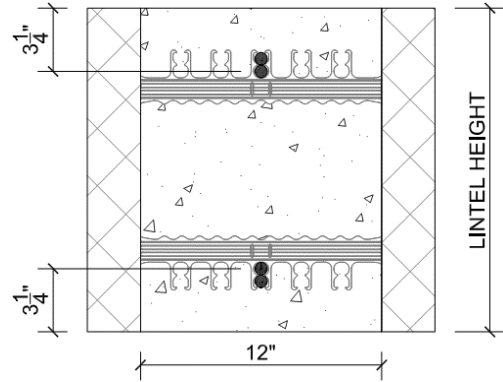
# 12" Fox Blocks

**Design Parameters:**

- Lintel Height: 12 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 4 in
- Compatible Stirrup Types: A, B, C, D

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)										
	3	4	5	6	7	8	10	12	14	16	18
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	2-#4 None	2-#5 None
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	2-#4 None	2-#5 #3	
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	2-#4 #3	2-#5 #3	2-#6 #3	
500	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 #3	2-#5 #3	2-#6 #3		
750	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3			
1000	1-#4 None	1-#4 None	1-#4 #3	1-#5 #3	2-#4 #3	2-#4 #3	2-#5 #3				
1500	1-#4 None	1-#4 #3	1-#5 #3	2-#4 #3	1-#6 #3	2-#5 #3					
2000	1-#4 #3	1-#5 #3	2-#4 #3	1-#6 #3	2-#5 #3	2-#6 #3					
2500	1-#4 #3	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3	2-#6 #3					
3000	1-#4 #3	2-#4 #3	1-#6 #3	2-#5 #3	2-#6 #3						

**NOTES:**

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 16" Lintel Height

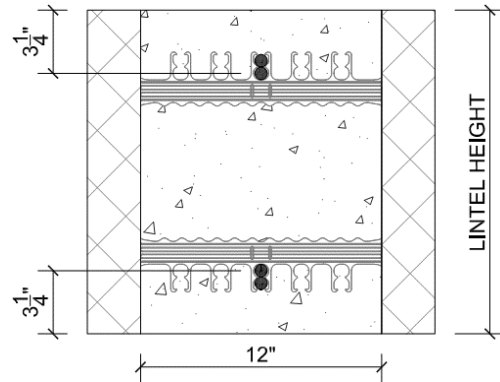
# 12" Fox Blocks

**Design Parameters:**

Lintel Height: 16 in  
 Concrete Strength at 28 days,  $f'_c$ : 3000 psi  
 Steel Strength,  $f_y$ : 60 ksi  
 Shear Reinforcement Spacing: 6 in  
 Compatible Stirrup Types: A, B, C, D

**Legend:**

1-#4 = Reinforcing required for top and bottom of lintel  
 #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)													
	3	4	5	6	7	8	10	12	14	16	18	20	22	24
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	2-#5 None	2-#5 None	2-#5 None	2-#6 None
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	2-#5 None	2-#5 None	2-#5 #3	2-#6 #3	
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	2-#5 None	2-#5 #3	2-#5 #3	2-#6 #3		
500	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#5 None	2-#5 #3	2-#5 #3	2-#6 #3			
750	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	1-#6 #3	2-#5 #3	2-#6 #3	2-#6 #3				
1000	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 #3	2-#4 #3	2-#5 #3	2-#5 #3	2-#6 #3					
1500	1-#4 None	1-#4 None	1-#4 #3	1-#5 #3	2-#4 #3	2-#5 #3	2-#5 #3							
2000	1-#4 None	1-#4 #3	1-#5 #3	2-#4 #3	2-#5 #3	2-#5 #3	2-#6 #3							
2500	1-#4 #3	1-#4 #3	2-#4 #3	2-#5 #3	2-#5 #3	2-#6 #3								
3000	1-#4 #3	1-#5 #3	2-#4 #3	2-#5 #3	2-#5 #3	2-#6 #3								

**NOTES:**

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.



# 24" Lintel Height

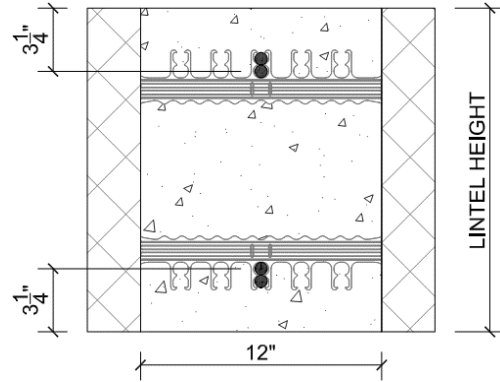
# 12" Fox Blocks

**Design Parameters:**

- Lintel Height: 24 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 10 in
- Compatible Stirrup Types: A, B, C, D

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)												
	7	8	10	12	14	16	18	20	22	24	26	28	30
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	1-#6 None	2-#5 None	2-#6 None	2-#6 None	2-#6 None	2-#6 None
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	2-#5 None	2-#5 None	2-#6 None	2-#6 None	2-#6 None	2-#6 #3	
350	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	1-#6 None	2-#5 None	2-#6 None	2-#6 None	2-#6 #3	2-#6 #3		
500	1-#4 None	1-#5 None	2-#4 None	1-#6 None	2-#5 None	2-#6 None	2-#6 None	2-#6 #3	2-#6 #3				
750	1-#4 None	1-#4 None	1-#5 None	1-#6 None	2-#5 #3	2-#6 #3	2-#6 #3	2-#6 #3					
1000	1-#4 None	1-#5 None	2-#4 None	2-#5 #3	2-#6 #3	2-#6 #3							
1500	1-#5 None	2-#4 #3	2-#5 #3	2-#6 #3	2-#6 #3								
2000	2-#4 #3	1-#6 #3	2-#6 #3	2-#6 #3									
2500	2-#4 #3	2-#5 #3	2-#6 #3	2-#6 #3									
3000	2-#5 #3	2-#5 #3	2-#6 #3										

**NOTES:**

1. Consult with the local building code for minimum required service loads.
2. Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
3. A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
4. See details in introduction to lintel reinforcement for reinforcement placement.
5. See accompanying Lintel Reinforcement Table Notes.

# 32" Lintel Height

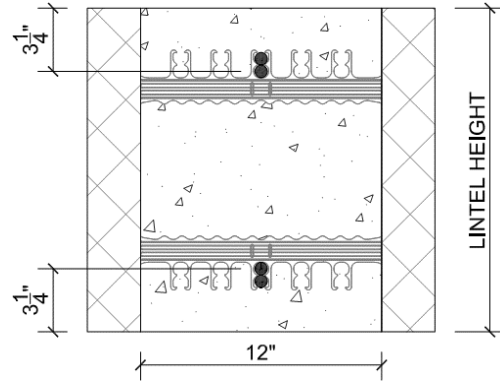
# 12" Fox Blocks

**Design Parameters:**

- Lintel Height: 32 in
- Concrete Strength at 28 days,  $f'_c$ : 3000 psi
- Steel Strength,  $f_y$ : 60 ksi
- Shear Reinforcement Spacing: 14 in
- Compatible Stirrup Types: A, B, C, D

**Legend:**

- 1-#4 = Reinforcing required for top and bottom of lintel
- #3 = Shear Reinforcing required at spacing given above



LOAD PER FOOT OF LINTEL (PLF)	Lintel Opening Width (ft)												
	7	8	10	12	14	16	18	20	22	24	26	28	30
150	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	2-#5 None	2-#5 None	2-#6 None	2-#6 None	2-#6 None
250	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	1-#5 None	2-#4 None	2-#5 None	2-#5 None	2-#6 None	2-#6 None		
350	1-#4 None	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	1-#6 None	2-#5 None	2-#6 None	2-#6 None			
500	1-#4 None	1-#4 None	1-#4 None	1-#5 None	2-#4 None	1-#6 None	2-#5 None	2-#6 None	2-#6 None				
750	1-#4 None	1-#4 None	1-#5 None	2-#4 None	1-#6 None	2-#5 None	2-#6 #3						
1000	1-#4 None	1-#4 None	1-#5 None	2-#4 None	2-#5 #3	2-#6 #3							
1500	1-#4 None	1-#5 None	2-#4 #3	2-#5 #3	2-#6 #3								
2000	1-#5 None	1-#5 #3	2-#5 #3	2-#6 #3									
2500	1-#5 #3	2-#4 #3	2-#5 #3	2-#6 #3									
3000	2-#4 #3	2-#5 #3	2-#6 #3										

**NOTES:**

- Consult with the local building code for minimum required service loads.
- Loads are applied service loads and are found elsewhere in this manual or from applicable building codes. No load factor should be applied before entering the tables. Consult an engineer beyond these parameters.
- A minimum of 2 - #5 bars shall be provided on each side of every opening to meet ACI 318-14, 11.7.5.1.
- See details in introduction to lintel reinforcement for reinforcement placement.
- See accompanying Lintel Reinforcement Table Notes.