

- ICC ESR-2024
- Fastener data: 0.145" Shank, 1" embedment
- metal deck shall be 20 gage min
- For gravity load only.

1/4-20 ATR

12" - 72"



STRUCTURAL ATTACHMENT	ALLOWABLE TENSILE LOAD (LB)			
	Concrete Compressive Strength, f' <sub>c</sub>			
	2000 psi	3000 psi	3500 psi	4000 psi
Normal-Weight Concrete	40	40	-	100
Light-Weight Concrete/Concrete Filled Metal Deck	-	55	60	-



CONDUIT AND  
CABLE HARDWARE  
3LBN

**FLASHFASTENERS**

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**FLASH 1/4-20**

DATE: 12/02/09 DRAWN BY: LSCAD SCALE: NO SCALE



24" - 60"

0.211"  $\phi$

ANCHOR DATA				ULTIMATE TENSILE LOADS (LB)	
				Normal Weight Concrete Strength, f'c	
Flute Location	Flute Edge Dist.	Size	Embed	3,000 psi	
Lower Flute	1"	0.211"	1 $\frac{1}{8}$ "	1,290	
	2 $\frac{1}{2}$ "	0.211"	1 $\frac{1}{8}$ "	1,920	

ANCHOR DATA				ULTIMATE TENSILE LOADS (LB)	
				Light-Weight Concrete Strength, f'c	
Flute Location	Flute Edge Dist.	Size	Embed	3,000 psi	4,000 psi
Upper Flute	2 $\frac{1}{4}$ "	$\frac{3}{8}$ "	1 $\frac{1}{8}$ "	-	4,450
	2 $\frac{1}{4}$ "	$\frac{1}{2}$ "	2 $\frac{1}{8}$ "	-	6,000
Lower Flute	1"	0.211"	1 $\frac{1}{8}$ "	1,370	-
	2 $\frac{1}{2}$ "	0.211"	1 $\frac{1}{8}$ "	2,130	-
	2 $\frac{1}{4}$ "	$\frac{3}{8}$ "	1 $\frac{1}{8}$ "	3,330	4,200
	2 $\frac{1}{4}$ "	$\frac{1}{2}$ "	2 $\frac{1}{8}$ "	4,640	4,510

$\frac{3}{8}$ -16 or  $\frac{1}{2}$ -13

24" - 48"



- metal deck shall be 20 gage min.
- Test conducted per ASTM E488.



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**FLASHFOUR**

DATE: 04/10/07

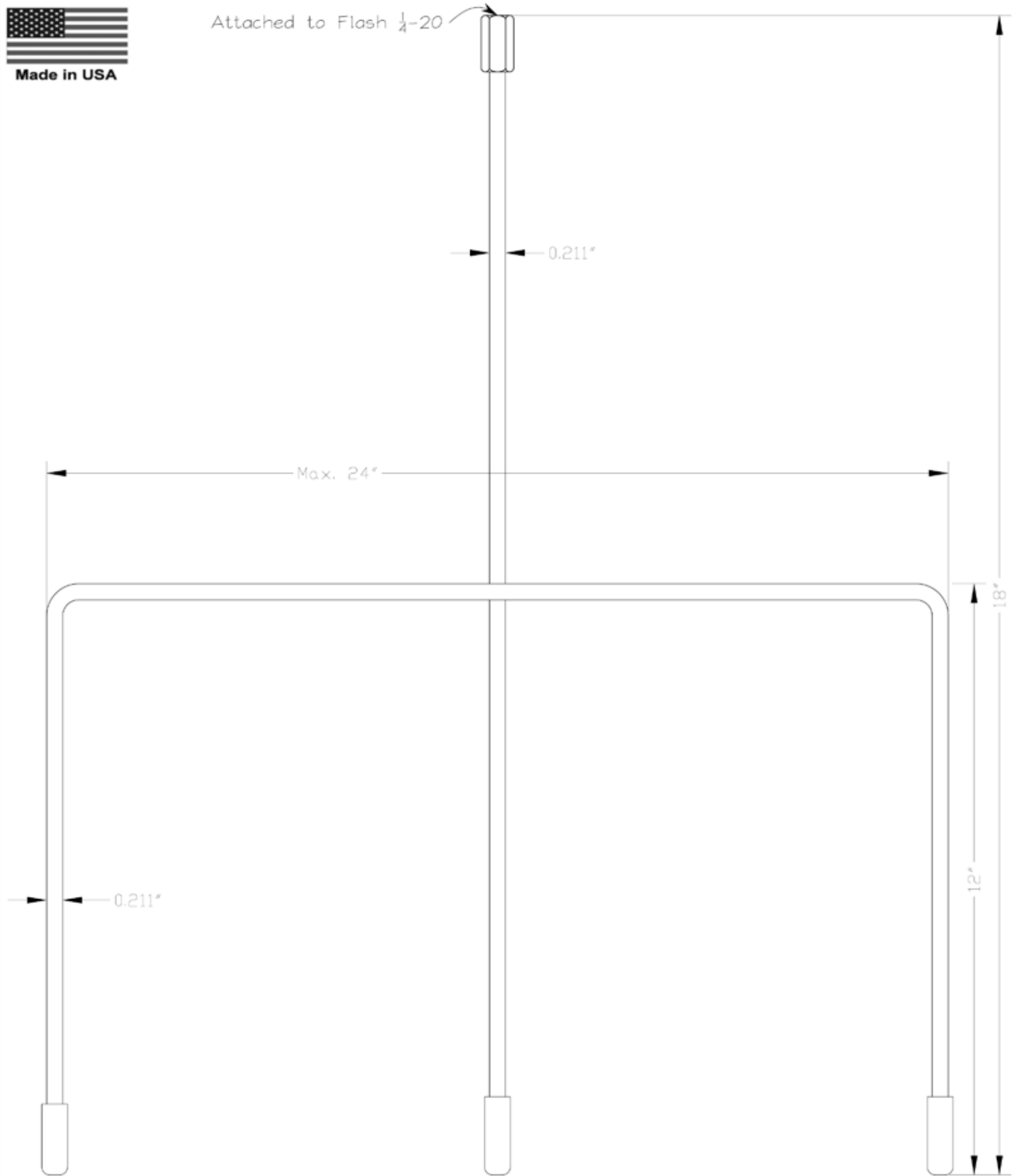
DRAWN BY: LSCAD

SCALE: NO SCALE



Made in USA

Attached to Flash  $\frac{1}{4}$ -20



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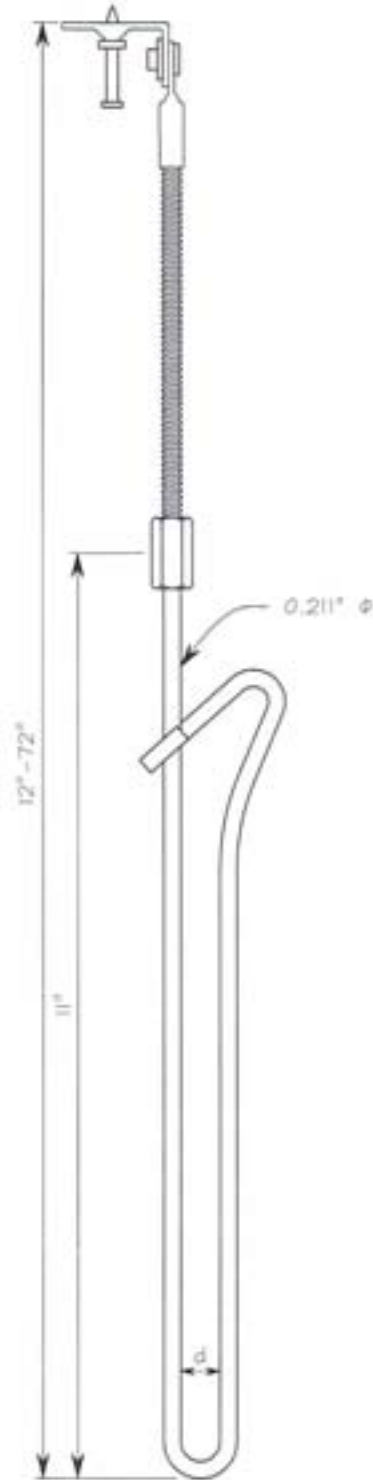
**FLASH PITCHFORK**

DATE: 7/15/09

DRAWN BY: LSCAD

SCALE: NO SCALE

- ICC ESR-2024
- Fastener data: 0.145" Shank, 1" embedment
- $d = \frac{1}{2}"$  or  $\frac{3}{8}"$
- metal deck shall be 20 gage min
- For gravity load only.



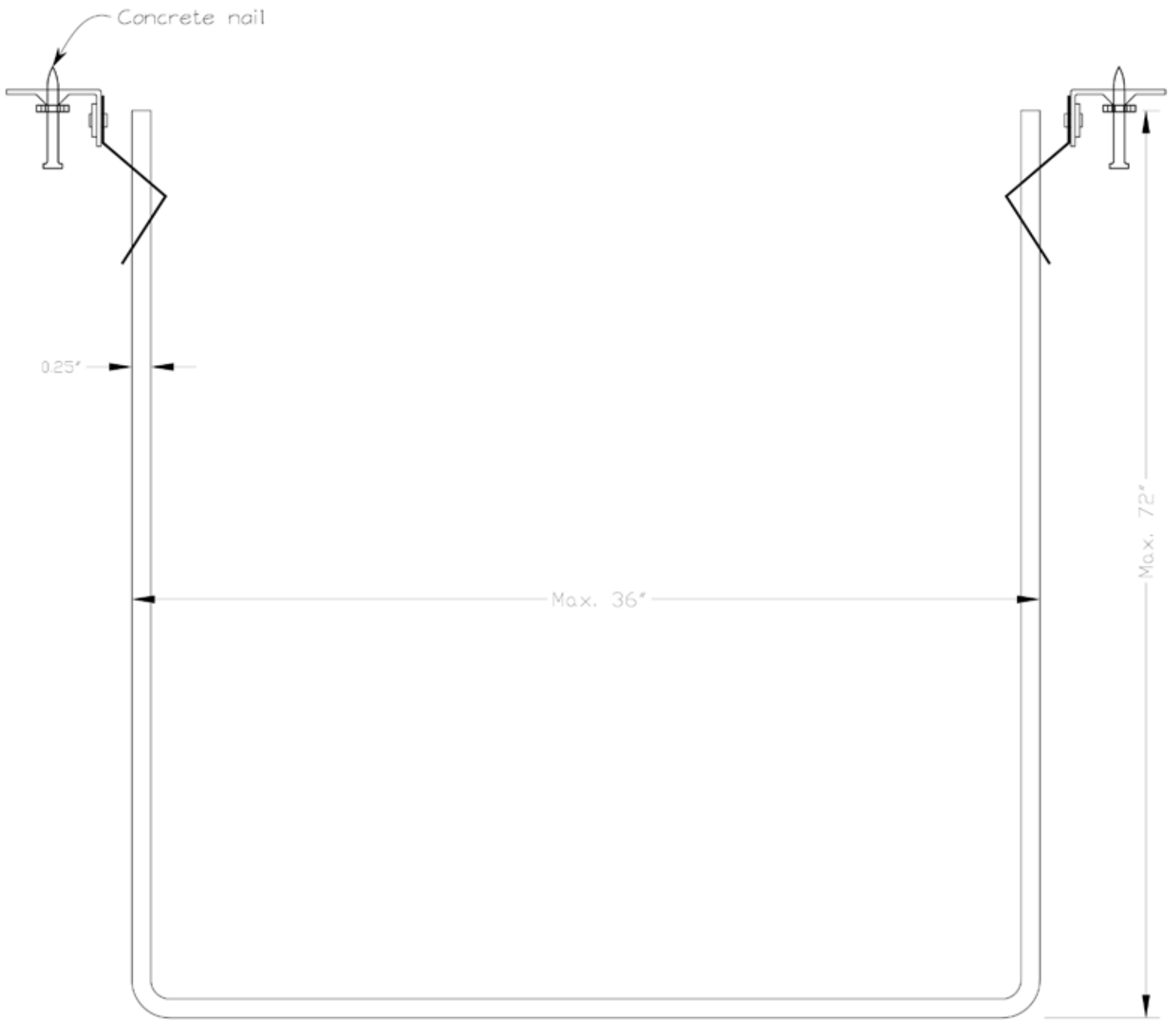
STRUCTURAL ATTACHMENT	ALLOWABLE TENSILE LOAD (LB)			
	Concrete Compressive Strength, f'c			
	2000 psi	3000 psi	3500 psi	4000 psi
Normal-Height Concrete	40	40	-	100
Light-Height Concrete/Concrete Filled Metal Deck	-	55	60	-



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**FLASHSTACK**

DATE: 12/02/09    DRAWN BY: LSCAD    SCALE: NO SCALE



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**FLASHFASTENERS**

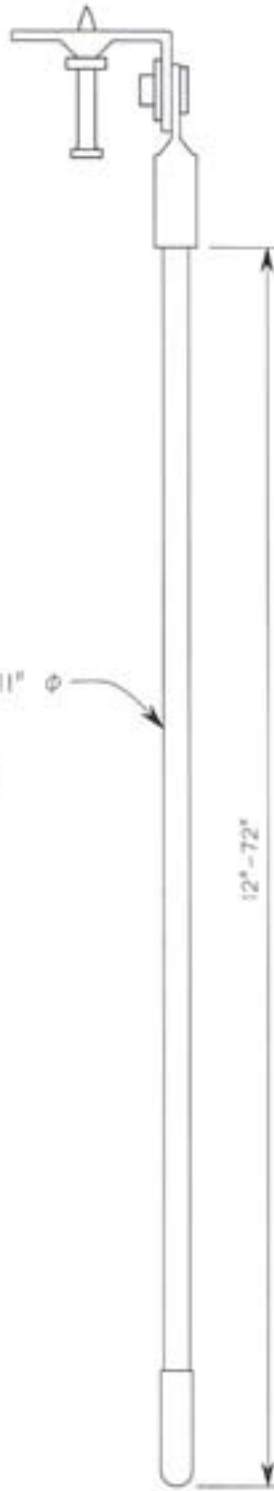
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**FLASH TRAPEZE**

DATE: 7/15/09

DRAWN BY: LSCAD

SCALE: NO SCALE



- ICC ESR-2024
- Fastener data: 0.145" Shank, 1" embedment
- metal deck shall be 20 gage min
- For gravity load only.



STRUCTURAL ATTACHMENT	ALLOWABLE TENSILE LOAD (LB)			
	Concrete Compressive Strength, f'c			
	2000 psi	3000 psi	3500 psi	4000 psi
Normal-Weight Concrete	40	40	-	100
Light-Weight Concrete/Concrete Filled Metal Deck	-	55	60	-



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**FLASHFASTENERS**

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**HOT FLASH II**

DATE: 12/02/09 DRAWN BY: LSCAD SCALE: NO SCALE