



STATE OF NEVADA  
DEPARTMENT OF TRANSPORTATION  
1263 S. Stewart Street  
Carson City, Nevada 89712

BRIAN SANDOVAL  
Governor

March 22, 2017

RUDY MALFABON, P.E., Director

In Reply, Refer to:

**JAKE WACLAW, FIELD OPERATIONS TEAM LEADER**

**Re: Waiver Request: Buy America Act contract provisions for domestic steel**  
**Project: MS-0019(023) EA 73852 is an LPA project to construct a bike lane and multi-modal facility along Hardie Ln in Fernley, including roadway reconstruction, curb, gutter, and storm drain infrastructure. Safe Routes to School.**  
**Estimated Cost: \$5,286,212.66**

Dear Mr. Waclaw:

The Nevada Department of Transportation ("NDOT") is hereby requesting a waiver from the Federal Highway Administration (FHWA) of Buy America Act contract provisions for the Fernley project (the "Project") for components of foreign origin.

The items detailed in the attached Exhibit A are required for completion of the Project by NV Energy ("NVE"). NVE is providing utility relocation services for the Project. Because NDOT is using FHWA funds to pay NVE, NVE is required to confirm that NVE's materials also comply with Buy America requirements.

In order to comply with Buy America requirements, NVE reached out to five distributors to find domestic materials. Four of the distributors declined to participate, citing the new Buy America standards that have come into effect since January 2016. One distributor, HD Supply ("HD"), agreed to work with NVE. HD has been able to source most of the required items domestically. However, after three months of due diligence, HD has been unable to find domestic suppliers for items listed on Exhibit A.

NVE believes that the materials listed in Exhibit A are not able to be sourced domestically due to the fact that the items contain minimal steel. Furthermore, the manufacturer of each item may rely on multiple sources, both foreign and domestic for each component. Moreover, these items were exempt from certification under FHWA's previous guidance. Consequently, suppliers have not yet had time to procure domestic steel for the items. These materials provide essential functionality to the Project. Mostly, they are fasteners and wires that hold the larger assembly together. NVE cannot design the Project in a manner that does not use the materials. In addition, there are no materials available that provide similar functionality but do not contain steel.



JAKE WACLAW, FIELD OPERATIONS TEAM LEADER  
March 22, 2017

For the reasons stated above, NDOT, therefore requests a waiver from the Buy America requirements for the items set forth on Exhibit A with relation to the Project. Please let me know if I can provide additional information to help in making your determination regarding this request.

Sincerely,



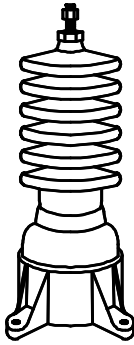
Jessica Biggin  
Assistant Chief Right-of-Way

jb/bt/ak

cc: D. Lauffer, Supervisory R/W Agent, Utilities  
A. Root, Right-of-Way Agent

## Arrester: Surge

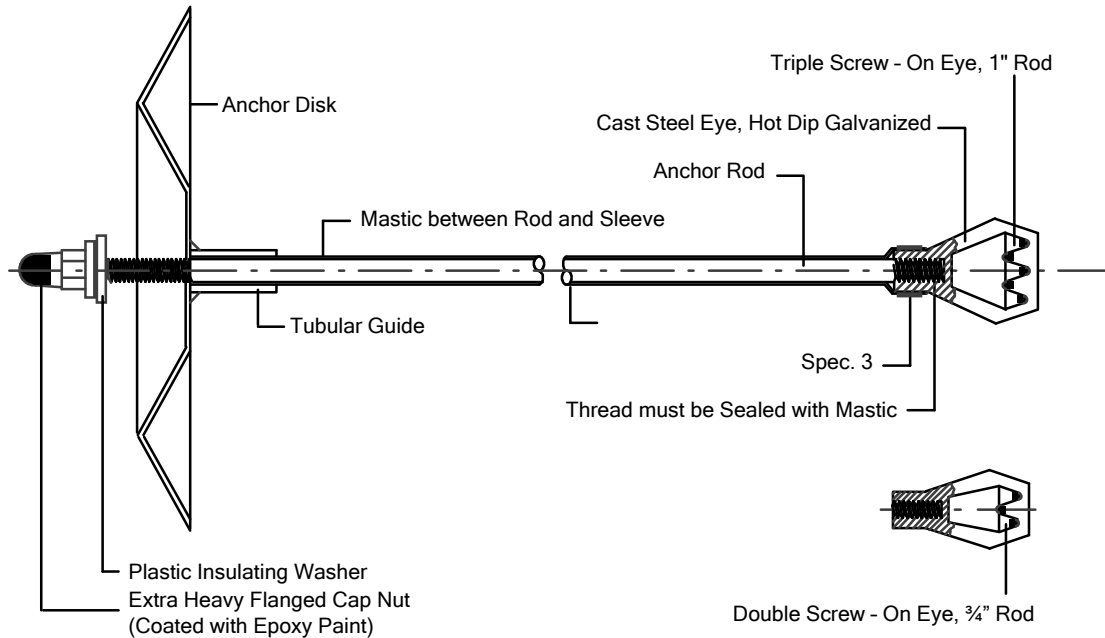
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**INTERMEDIATE  
CLASS**

System Voltage		Arrester			Stock No.
		kV Rating	kV MCOV	Type	
12kV 4 Wire	Primary Cable Risers	9	7.65	Inter.	190052

# Anchor System



## CORROSION PROTECTED

Size	Stock No.	Minimum Breaking Strength (lbs)
1" x 10' Rod & 1/4" x 24" Disc	130046	45,000

**BIDDER SHALL** verify that their items meet the following specifications:

1. Thread sizes per ANSI/ASME B1.1:
  - A. 3/4" - 10 UNC 2
  - B. 1" - 8 UNC 2
2. Anchor assembly to include:
  - A. Rod with mastic coating plus a polyethylene plastic sleeve or equivalent protection.
  - B. Anchor disc or plate with corrosion resistant coating.
  - C. Plastic insulating washer between rod and anchor.
  - D. Anchor eyes to be hot dip galvanized steel.
  - E. Extra heavy flanged steel cap nut - coated with epoxy paint.
3. The plastic sleeve shall extend 1" minimum into recess in the eye or be securely clamped over the base of the eye.

## Anchor System

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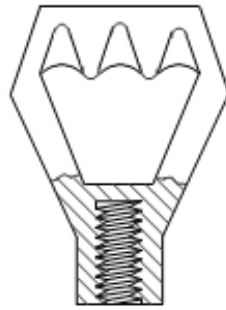


Figure 2.  
Triple

### EYE NUT

Rod Size	Figure	Stock No.	Minimum Breaking Strength (lbs)
1"	2	131455	45,000

**BIDDER SHALL** verify that their items meet the following specifications:

1. Heavy duty – made of hot dip galvanized steel.
2. Thread sizes per ANSI/ASME B1.1:
  - A. 5/8" - 11 UNC2
  - B. 3/4" - 10 UNC2
  - C. 1" - 8 UNC2

## Bolt

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### DOUBLE ARMING

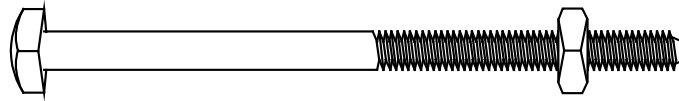
Dia.	Length	Stock No.
5/8"	14"	130229

**BIDDER SHALL** verify that their items meet the following specifications:

1. Furnished with 4 square nuts.
2. Hot dip galvanized per ANSI/ASTM A153.
3. Manufactured in accordance with ANSI C135.1.
4. Semi-cone point on each end.

## Bolt: Galvanized / Stainless Steel

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### MACHINE

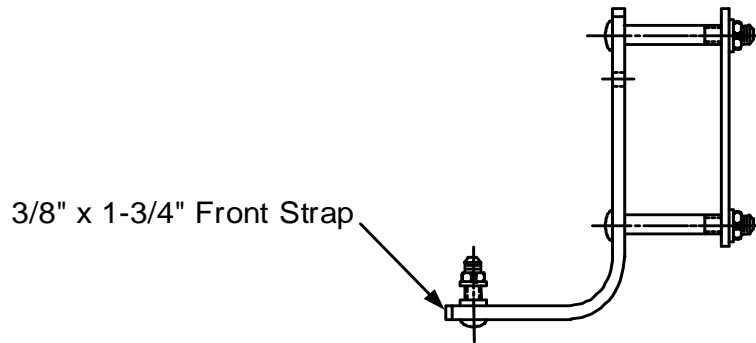
Diameter	Length	Thread Length	Stock No.
1/2"	8"	4"	130770

**BIDDER SHALL** verify that their items meet the following specifications:

1. Square headed and furnished with a square nut.
2. Hot dip galvanized per ANSI/ASTM A153.
3. Bolts 8" and longer to have a semi-cone point.
4. Manufactured in accordance with ANSI C135.1

## Bracket: Cutout/Arrester, Single Phase, Crossarm Mounted

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**STANDARD BRACKET**  
**Stock # 131217**

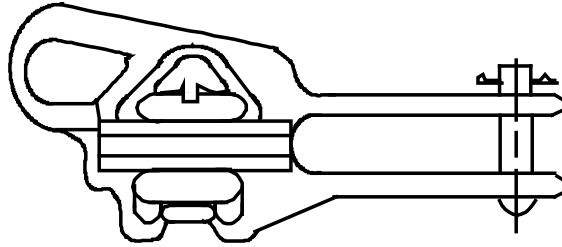
<b>Stock No.</b>
131217

**BIDDER SHALL** verify that their items are type B as Specified in ANSI C37.42.



## Clamp: Strain

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### ALUMINUM STRAIGHT

Conductor Size		Clamp Range	Stock No.
AA	ACSR		
#4 - #1/0	#6 - #1	0.198"-0.414"	190460

**BIDDER SHALL** verify that their items meet the following specifications:

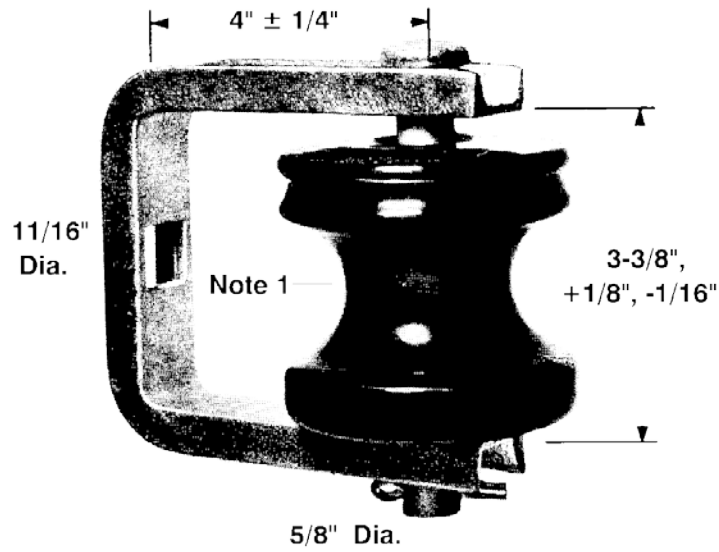
1. Made of aluminum alloy, A356-T6, for use on aluminum or ACSR conductor.
2. Side open with spring loaded keeper.
3. Minimum holding strength of 83% of listed conductor rated breaking strength.

#### NOTES:

1. Recommended Torque for Steel U-Bolts and Nuts;  
3/8" = 25 ft. lbs., 1/2" = 45 ft. lbs., 5/8" = 70 ft. lbs.

## Bracket: Clevis, Secondary/Service

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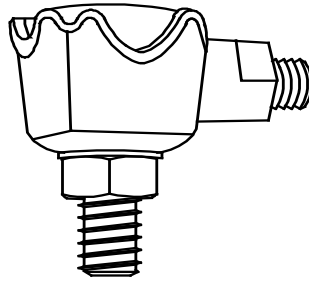
<b>Stock No.</b>
131233

**BIDDER SHALL** verify that their items meet the following specifications:

1. Data sheet #2, item #4 of ANSI C135.20.
2. Minimum ultimate strength of 4000#.
3. Forged Steel, 1-1/2" x 1/2" x 1/8" channel, hot dip galvanized after fabrication.

## Connector: Grounding

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### CASE

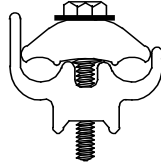
Conductor Size	Stock No.
8 SOL - 2/0 STR.	253061

**BIDDER SHALL** verify that their items meet the following specifications:

1. Connector must allow for conductor to enter from two directions.
2. Connector must be bronze or copper alloy for use with copper ground wires.
3. Connector must have 1/2"-13UNC slightly tapered threaded stud.

## Connector: Parallel Groove

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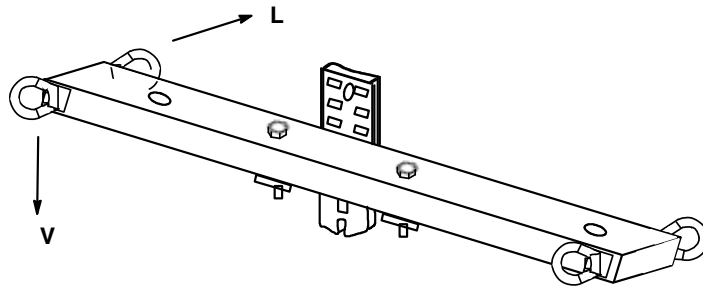
Conductor Range		Stock No.
Run Groove	Tap Groove	
397.5 STR – 1000 STR	#6 SOL - 2/0 STR	191118

**BIDDER SHALL** verify that their items meet the following specifications:

1. Connector is for aluminum to aluminum or aluminum to copper connections
2. Connector must be factory filled with oxide inhibitor.
3. Connector must be made of aluminum alloy.

## Crossarm: Deadend

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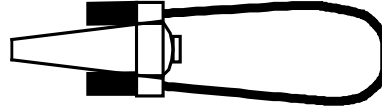
### COMPOSITE (FIBERGLASS)

Crossarm Length	Allowable Working Load (lbs per $\Phi$ )		Stock No.
	L	V	
10'-6"	11000	3650	110235

## Deadend: Automatic Overhead

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Flexible Cable Bail



### ALUMINUM

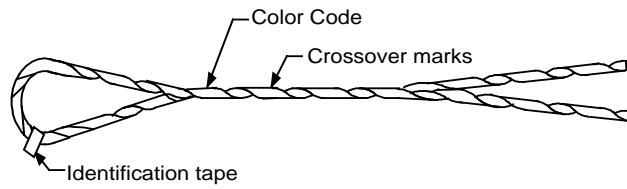
Conductor Size AWG-kcmil	Copperweld	Stock No.
2/0 AA/ACSR	Note 2	195817

**BIDDER SHALL** verify that their items meet the following specifications:

1. Deadend for use on copper conductors to be made of aluminum alloy.
2. Deadend to hold on aluminum to be made from
3. Deadend to hold a minimum of 83% of the aluminum alloy.
4. Deadend to be factory filled with inhibitor and capped.

## Grip: Guy

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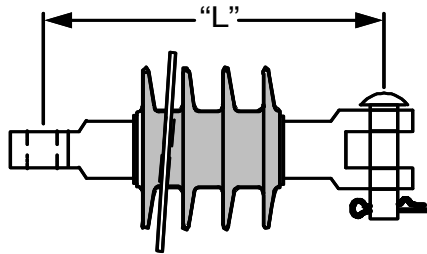
Strand		Stock Number	Color Code	Minimum Length
Size	Type			
3/8"	H.S	131390	Orange	33"

**BIDDER SHALL** verify that their items meet the following specifications:

1. Identified according to size with color code and cross over markings.
2. Made to be installed over seven strand steel guy wire and be left hand lay.
3. Rated holding strength is to be 100% minimum of guy strand rated breaking strength.
4. Galvanized steel – 'B' coat minimum.

## Insulator: Suspension

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**Stock No. 193232, 193233 & 193150**

### PRIMARY

System Voltage	Stock No.	"L" (inches)		Minimum Impulse Flashover	Minimum Leakage (inches)
		Min.	Max		
25kV	193233	17.00	19.50	190kV	24.7

**BIDDER SHALL** verify that their items meet the following specifications:

1. Meet or exceed requirements of ANSI C29.13 (2000) and LWIWG-01 (96).
2. 5.75" maximum skirt diameter so as to fit inside of hotline fiber covers.
3. Minimum ultimate strength rating of 15,000 pounds.



## Gain

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### GAIN, CROSSARM

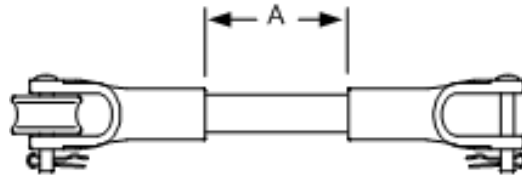
Stock Number
131361

**BIDDER SHALL** verify that their items meet the following specifications:

1. Gain crossarms to be ductile iron, hot-dip galvanized.
2. Gain shall have a minimum of 14 teeth.

## Insulator: Guy Strain

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**CLEVIS-CLEVIS**  
With One Guy Roller  
(other stock No.'s)

### FIBERGLASS, CLEVIS- CLEVIS

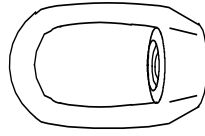
"A"	Minimum Breaking Strength	Stock No.
78" (Note 2)	35,000 lbs	131397

**BIDDER SHALL** verify that their items meet the following specification:

- Clevis pin diameter:
  - 5/8" for 15,000# MBS.
  - 3/4" for 30,000# MBS.
  - 3/4" (Maclean & Aluma-Form) or 7/8" (Hughes) for 35,000# MBS.
- Clevis to clevis insulators to be supplied with one guy roller.
- Insulator end fitting to be made of iron and hot dip galvanized per ANSI/ASTMA-153.
- Rod to be electric grade fiberglass with ultra- violet protective inhibitors in the resin.
- Rod coating to be gray with ultra- violet protective inhibitors

## Nut: Galvanized

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### OVAL EYE

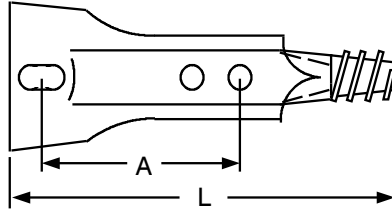
Bolt Size	Stock No.
5/8"	131460

**BIDDER SHALL** verify that their items meet the following specifications:

1. Eye nuts to be hot dip galvanized per ANSI/ASTM A153.
2. Eye nuts to be manufactured per ANSI C135.5.

## Pin: Insulator Mounting

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### POLE TOP

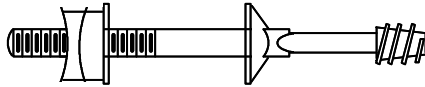
Dimensions		Steel Gauge	Stock No.
L (in)	A (in)		
24	8	7	110491

**BIDDER SHALL** verify that their items meet the following specifications:

1. Meets ANSI Standard steel.
2. Hot dip galvanized steel.
3. Holes to be drilled for 5/8" mounting bolts.
4. Item No. 110481 to have flared vase on bottom of channel.

## Pin: Insulator Mounting

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### STRAIGHT

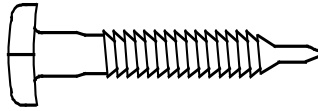
Mounting Stud Size	Height Above Arm (in.)	Stock No.
5/8"-11UNCx6-1/2"	6	110380

**BIDDER SHALL** verify that their items meet the following specifications:

1. Meets ANSI Standard C135.17.
2. Hot dip galvanized steel.
3. Items No. 110358 & 110380 to have square washer, square nut and lock nut.
4. Item No. 110381 to have square nut and lock washer.
5. Square wrenching shoulder above the base.

## Screw

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### LAG, FETTER DRIVE – PILOT POINT

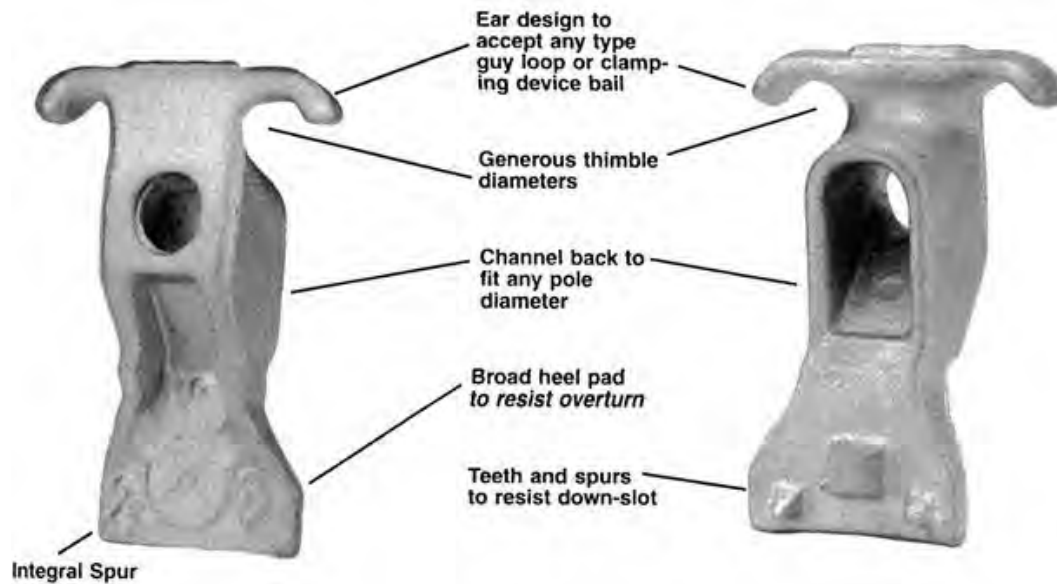
Size	Stock No.
1/2" x 4-1/2"	131671

**BIDDER SHALL** verify that their item meets the following specifications:

1. Hit dip galvanized steel per ANSI/ASTM A153
2. Fetter drive, pilot point
3. Square head

## Guy Hooks

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## MacLean Power Systems

### Features:

- Provide economical and efficient means of fastening guys to poles
- Well-rounded wire grooves protect the strand from damage
- Wherever possible, installation should be made under the head of a machine bolt for down guy applications
- Guy hooks are not recommended to be mounted on the threaded end of a machine bolt
- Integral spur style for mounting with a through bolt only

### Application:

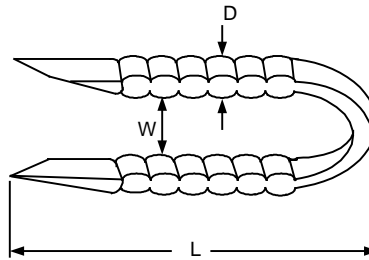
- Wherever possible, installation should be made under the head of a machine bolt
- Guy Attachments are not recommended to be mounted on the threaded end of a bolt as tensile and bending stresses on bolt threads can result in premature bolt failure less than the bolt minimum tensile strength.

### Material:

- Ductile Iron - Hot Dip Galvanized

## Staple: Pole Ground Wire

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Size	Stock No.	Nominal Size			
		L	W	D	
				SQ.	RD.
X-Large	131715	3"	1- 1/16"	.218"	.250"

**BIDDER SHALL** verify that their items meet the following specifications:

1. Barbs or cleats on outer edges.
2. Hot dip galvanized steel.
3. Either cut or rolled points are acceptable.