Excellence from Design to Installation

1-888-975-3343

Install Instructions

Ground Sleeve Football Goal Posts

Product No.	Product Description
FSNS85040	Football Safety Netting System, 50'H x 40'W
FSNS85050	Football Safety Netting System, 50'H x 50'W
FSNS106040	Football Safety Netting System, 60'H x 40'W
FSNS106050	Football Safety Netting System, 60'H x 50'W
FSNS106060	Football Safety Netting System, 60'H x 60'W

Heat shrink tubing is provided at turnbuckle locations
to prevent paint damage on poles and/or netting tears in high winds

Step 1

Slide the heat shrink tubing over the turnbuckle and wire rope clips **PRIOR** to completing any cable assembly.

Step 2

After all cables are tensioned, center the heat shrink tubing over the turnbuckle and wire rope clips.

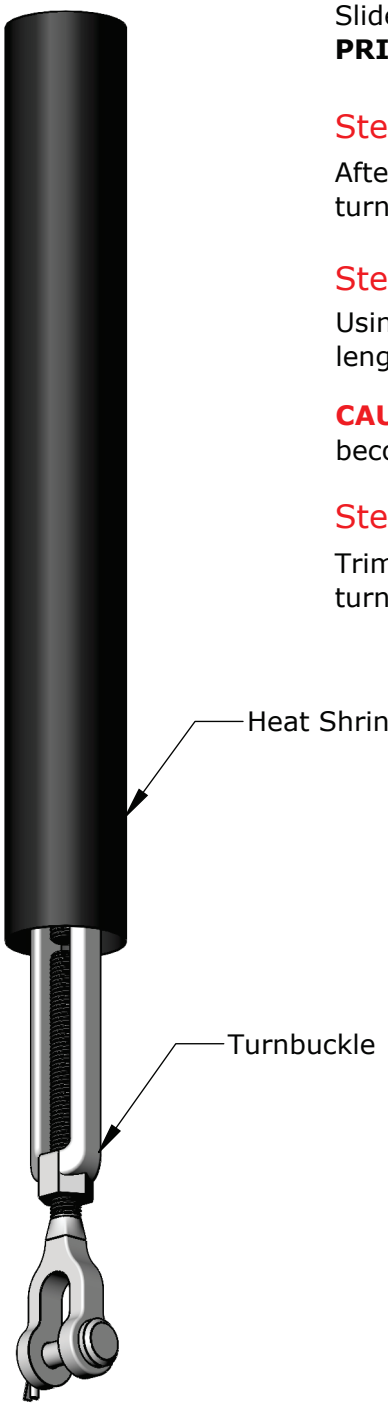
Step 3

Using a heat gun or suitable heat source, evenly apply heat over the entire length of tubing.

CAUTION: Avoid overheating the heat shrink tubing or it may become brittle or charred.

Step 4

Trim any excess length of heat shrink tubing beyond the end of the turnbuckle and wire rope clips.



BEFORE HEATING

AFTER HEATING

Turnbuckle Size	Heat Shrink Tubing Required
3/8" Turnbuckle	PURCHP-0884: 1-1/2" OD Tubing
1/2" Turnbuckle	PURCHP-0885: 2" OD Tubing

TITLE:

Heat Shrink Tubing Application

DWG NO: ID-00145

SHEET 1 OF 1

Step 1

Use the provided system pole layout to mark the locations of all poles and ground sleeves (if applicable) on the field. Be sure to match the center distance to the desired system. Refer to stamped design drawings, project specifications and/or local building codes for exact foundation dimensions, as local soil conditions will vary.

Step 2

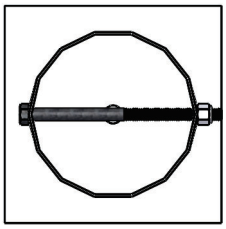
Excavate holes for all foundations.

Ground Sleeve Installation (if applicable)

Step 1

Center the ground sleeve in the form and secure it in a plum and level position. The top of the ground sleeve should be set level with finish grade.

For ground sleeves containing a stop bolt, orient the ground sleeve such that the stop bolt will be perpendicular to the netting tab on the pole. For ground sleeves without a stop bolt, the orientation can be disregarded.



Stop Bolt to be Oriented Perpendicular to Netting Tab

Step 2

Pour concrete foundation to the top of the sleeve. Allow concrete to adequately cure.

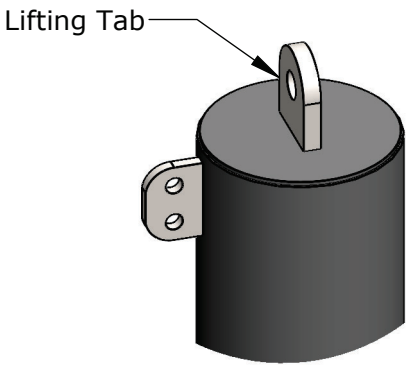
Step 3

Set the pole in the ground sleeve with the proper tab orientation. Fill the ground sleeve void with non-shrink grout. Grout provided by others.

Step 4

Caulk all around the top of ground sleeve, covering any exposed edges of sleeve. Use backer rod as required to prevent the caulk from falling into ground sleeve. Backer rod provided by others.

Direct Embedment/Pole Installation



Step 1

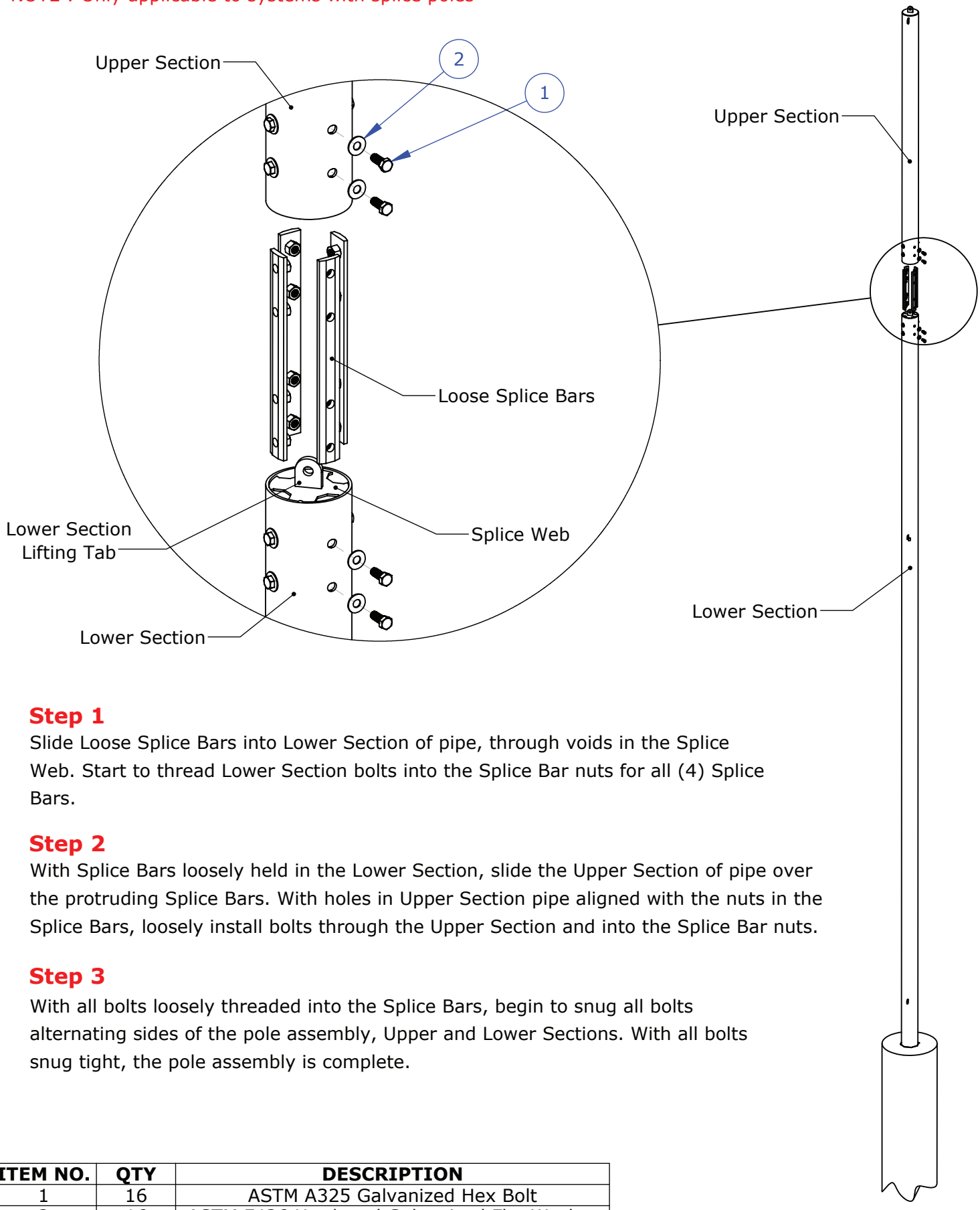
Use the lifting tab to raise the poles into position, making sure that the pole is plumb and centered in the form.

Step 2

Lower pole into ground sleeve or concrete form. Position pole such that the tabs face outwards towards the field in the appropriate orientation. For plate mounted systems, fasten the base plate and pole using provided hardware.

TITLE:	DWG NO:
Pole Installation	ID-00252
	SHEET 1 OF 1

NOTE : Only applicable to systems with splice poles



Step 1

Slide Loose Splice Bars into Lower Section of pipe, through voids in the Splice Web. Start to thread Lower Section bolts into the Splice Bar nuts for all (4) Splice Bars.

Step 2

With Splice Bars loosely held in the Lower Section, slide the Upper Section of pipe over the protruding Splice Bars. With holes in Upper Section pipe aligned with the nuts in the Splice Bars, loosely install bolts through the Upper Section and into the Splice Bar nuts.

Step 3

With all bolts loosely threaded into the Splice Bars, begin to snug all bolts alternating sides of the pole assembly, Upper and Lower Sections. With all bolts snug tight, the pole assembly is complete.

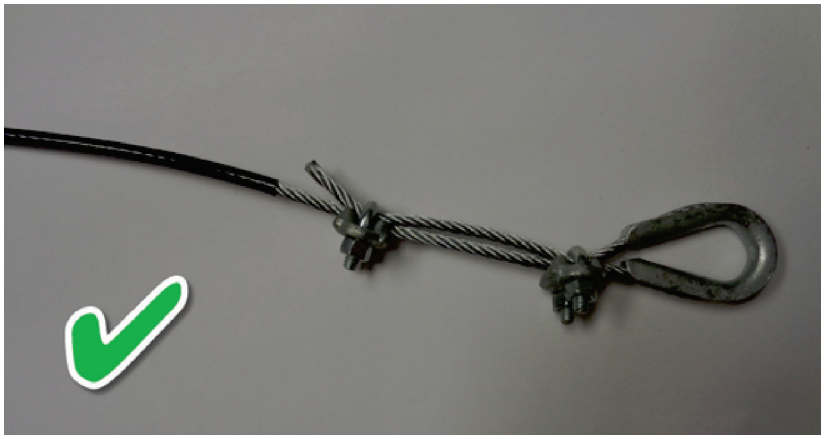
ITEM NO.	QTY	DESCRIPTION
1	16	ASTM A325 Galvanized Hex Bolt
2	16	ASTM F436 Hardened Galvanized Flat Washer

TITLE:	DWG NO:
Splice Pole Assembly - Loose Splice Bars	ID-00447
	SHEET 1 OF 1

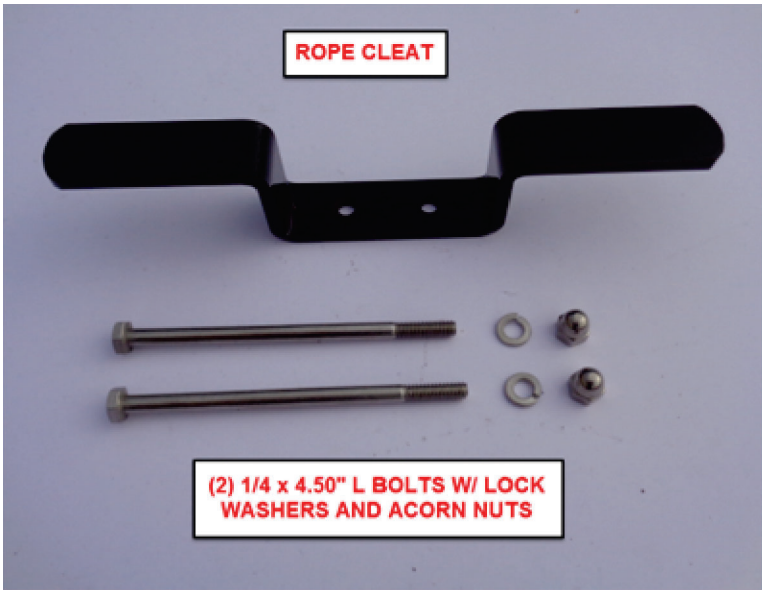
Incorrect: Clip saddles installed on the end of the wire rope.

Incorrect: Alternating rope clip orientation

Correct: Always install clips with the saddles on the live end of the wire rope.

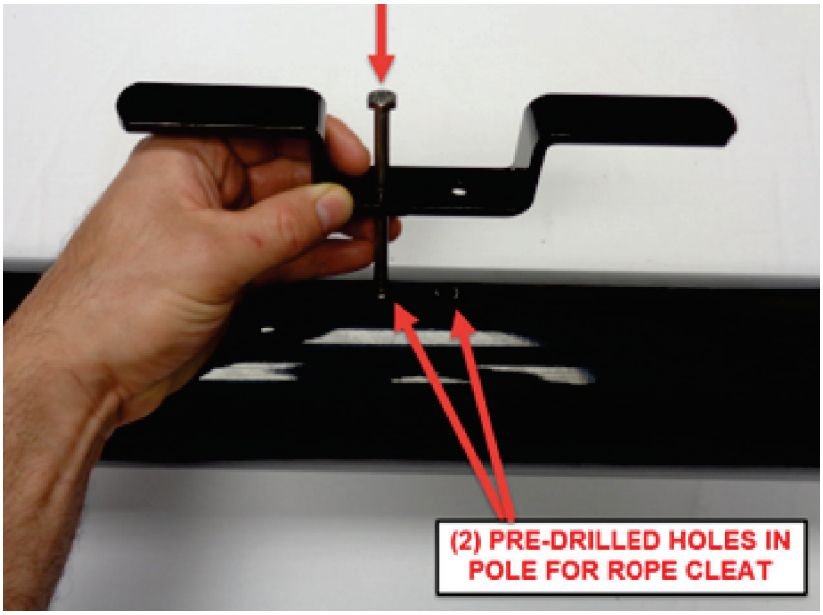


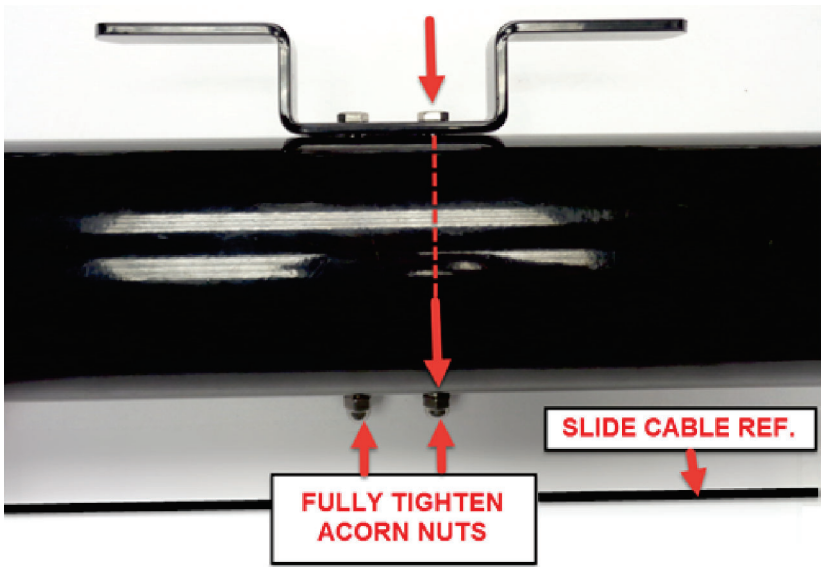
TITLE:	DWG NO:
Wire Rope Clip Installation	ID-00397
	SHEET 1 OF 1



Step 1
Gather the cleat hardware.

Step 2
Install the cleats opposite the vertical slide cable using the pre-drilled holes in the pole.





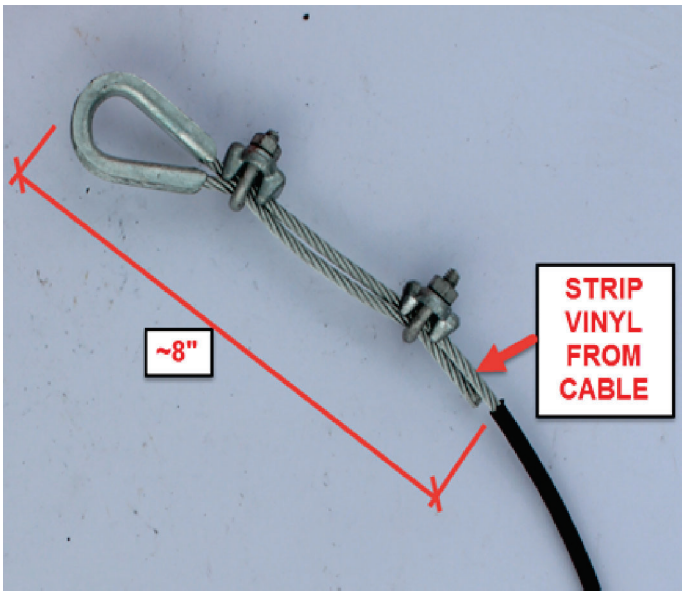
Step 3
Secure the cleats with the bolts, lock washers, and acorn nuts.

TITLE:	DWG NO:
Rope Cleat Installation	ID-00401
	SHEET 1 OF 1

Step 1
Obtain the vinyl coated wire rope bundle.

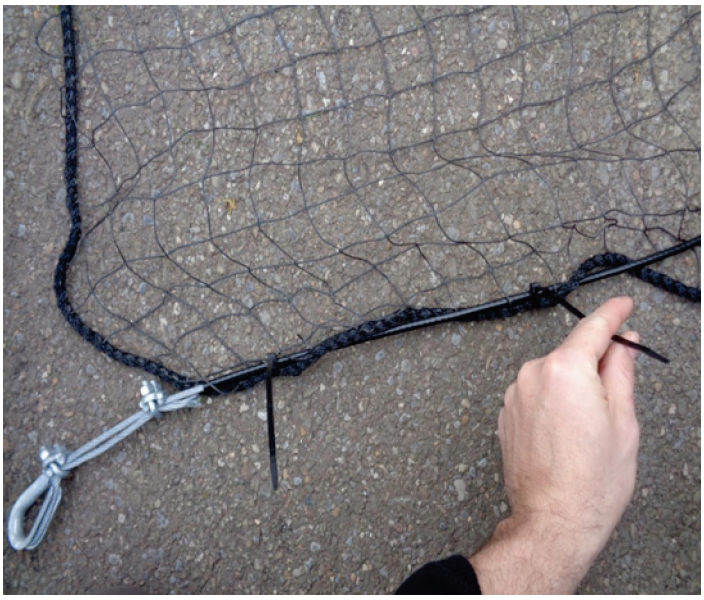
Step 2
Obtain the thimble, wire rope clips, and a spring hook.

Step 3
Strip ~16" of vinyl coating from both ends of the wire rope, when cut to length, follow the steps outlined in *Vertical Cable Installation* attaching the thimble and rope cleats.



Step 4
Unfold and layout a run of netting at the base of the poles. Starting at the bottom corner, weave the free end of the wire rope through the square mesh at the bottom of the net every 6-8" the full length of the netting.

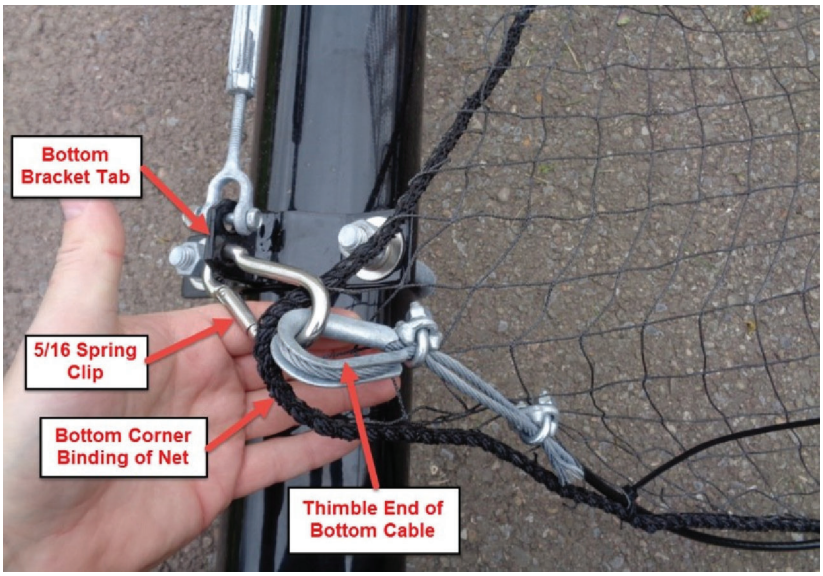
Step 5
Zip tie the net binding to the wire rope every 12-18".



TITLE:	DWG NO:
Net Preparation	ID-00404
	SHEET 1 OF 3

Step 6

At an end pole, clip a spring hook into the bottom hole of the bottom bracket

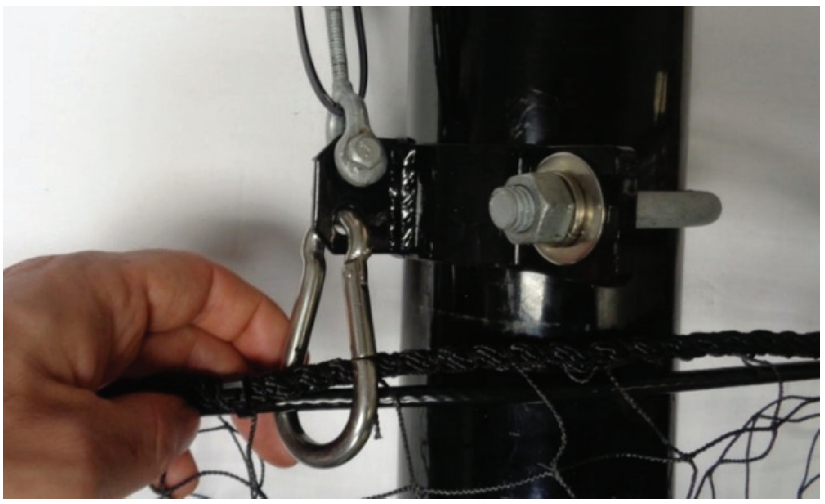


Step 7

Grab the bottom corner of the net binding and the thimble end of the bottom cable. Clip it to the spring hook.

Step 8

Clip a spring hook into the bottom hole of the bottom bracket. Clip the bottom cable and net binding into it at all interior poles.



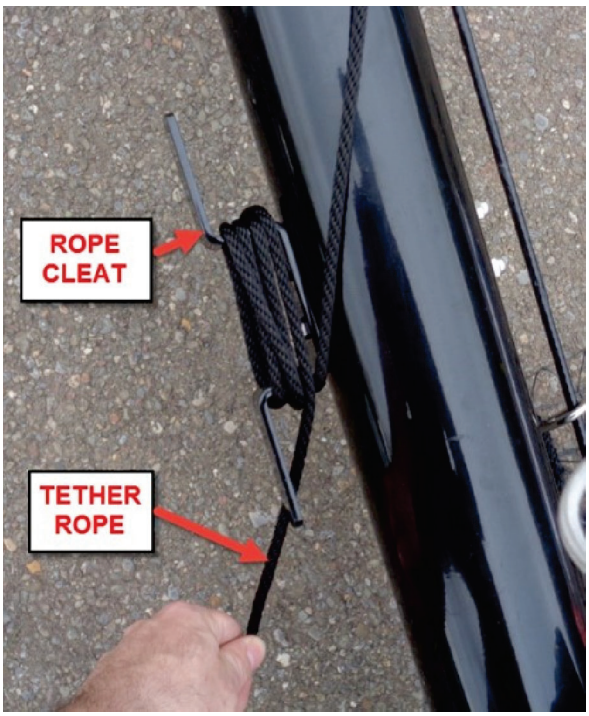
NOTE: Bottom net attachment described above is for stand alone Ball Safety Systems. Bottom net attachment may be different when a Ball Safety System is integrated with a chain link fence.

TITLE:	DWG NO:
Net Preparation	ID-00404
	SHEET 2 OF 3

Step 9
Carefully unwind the tether from the cleat and lower the StormGuard® hardware down from the top of the pole.

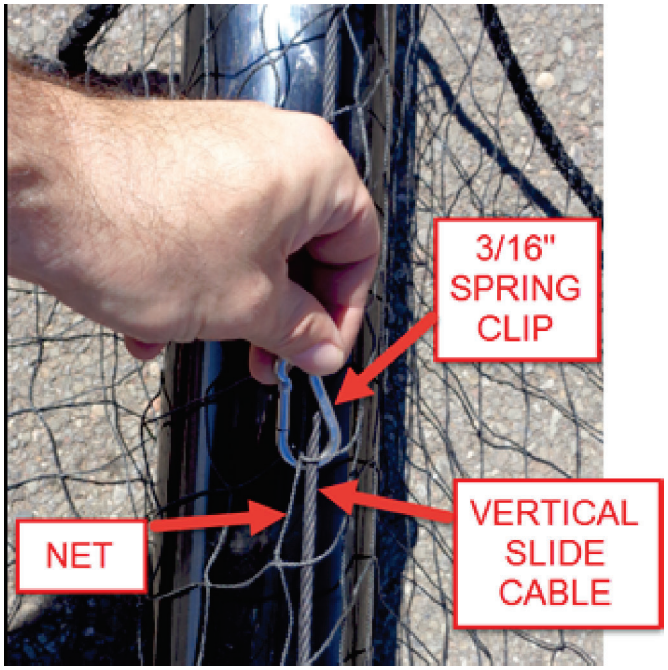
IMPORTANT: Do NOT stand under the StormGuard® hardware while lowering. Serious injury could result if the hardware were to fall and strike a person.

NOTE: For football safety netting systems, disregard the StormGuard® hardware steps and use the quick-link to attach the pulley to the top tab.



Step 10
When the StormGuard® hardware has been lowered to a safe level to handle, take it and clip the top binding of the net inside the spring clip. Clip it to the vertical cable.

Step 11
Slowly pull the tether up, raising the net. As the net raises, clip in the net and vertical slide cable at above every 18" using the spring clips.



Step 12
When the tether loop reaches the pulley with the StormGuard® hardware at the top of the pole and spring clips have clipped netting to the vertical cable every 18", secure the tetherto the rope cleat and tie off.

Step 13
Repeat at all pole locations until the Ball Safety System is fully assembled. Adjust as needed and verify all connections to be fully tightened and secured.

Step 14
Once the netting is installed, hang the provided laminated warning signsat each end of every run of netting using four (4) zip ties on each sign.

TITLE:	DWG NO:
Net Preparation	ID-00404
	SHEET 3 OF 3

The net must be lowered to the ground when the wind speed is forcast to exceed 60 MPH and/or prior to any extreme wind events. Sportsfield Specialties, Inc. strongly recommends the removal of all nets prior to exposure to winter weather, including snow and/or ice storms. Whenever possible, the nets should also belowered prior to any extreme wind events. Removal/Lowering of the nets will mitigate any unforeseen damage to the poles, nets and/or attachment hardware. Storing nets in a dry, pest free location will help extend the life of the nets. Sportsfield Specialties, Inc. will not be held liable or assume responsibility for any damage to the nets, poles and/or corresponding attachment hardware if the nets are not removed/lowered prior to the above described wind and/or weather events.

Step 1

Cut the zip ties connecting the weighted chain pocket to the net binding, taking care not to cut the net, if applicable.

Step 2

Unhook the spring hooks that attach the net to the extension arms, leaving the spring hooks attached to the net. Mark clip locations on the net for future reference, if applicable.

Step 3

Using the tethers, lower the net. Tie the rope cleat off at both ends.

Step 4

Fold the net and store in a clean, dry location.

NOTE: If desired, the structure can be removed and stored. Cap off the ground sleeves with the provided ground sleeve cap. Store hardware in a single container for future installation

TITLE:	DWG NO:
Net Removal, Storage, and System Disassembly	ID-00058
	SHEET 1 OF 1