SPORTSFIELD SPECIALTIES
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Install Instructions

Discus Cage and Shot Put Cage

Product Number	Product Description
DCHS	Discus Cage, High School
DCHSEA	Discus Cage with Extension Arms, High School
DCHSTEA	Tall Discus Cage with Extension Arms, High School
DCCOL	Discus Cage, College
DCCOLEA	Discus Cage with Extension Arms, College
DCCOLTEA	Tall Discus Cage with Extensions Arms, College
DCWAEA	Discus Cage System with Extension Arms, World Athletics
DCHS7	Discus Cage, High School, Seven Pole
DCHS7EA	Discus Cage with Extension Arms, High School, Seven Pole
DCHS8	Discus Cage, High School, Eight Pole
DCHS8EA	Discus Cage with Extension Arms, High School, Eight Pole
SPC	Shot Put Cage
SPCEA	Shot Put Cage with Extension Arms
DCCOLBNS	Backup Net System, College Discus Cage
DCHSBNS	Backup Net System, High School Discus Cage
DCHS8BNS	Backup Net System, High School Discus Cage, 8 Pole
DCHS7BNS	Backup Net System, High School Discus Cage, 7 Pole
SPCBNS	Backup Net System, Shot Put Cage

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Based on the cage configuration desired, refer to one of the following documents for the placement of the ground sleeves and net anchors.

- High School Discus Cage Ground Sleeve Layout
- College Discus Cage Ground Sleeve Layout
- DCWAEA Discus Cage Ground Sleeve Layout
- DCHS7 Discus Cage Ground Sleeve Layout
- DCHS8 Discus Cage Ground Sleeve Layout
- Shot Put Cage Ground Sleeve Layout

Note that EA (Extension Arm) systems replace the need for net anchors with Extension Arms that hinges for base net attachment.

Each cage should include the appropriate hardware kit per below based on height of pole (Standard or Tall), quantity of poles, and net anchoring style (expansion anchor or extension arm).

	# of Poles	**Hardware Kit Needed**
DCHS	6	E-0018-HD31 Hardware Kit, Standard, Single Cage Pole
DCHSEA	6	E-0018-HD39 Hardware Kit, Standard, Single Cage Pole with Extension Arm
DCHSTEA	6	E-0018-HD41 Hardware Kit, Tall, Single Cage Pole with Extension Arm
DCHS7	7	E-0018-HD31 Hardware Kit, Standard, Single Cage Pole
DCHS7EA	7	E-0018-HD39 Hardware Kit, Standard, Single Cage Pole with Extension Arm
DCHS8	8	E-0018-HD31 Hardware Kit, Standard, Single Cage Pole
DCHS8EA	8	E-0018-HD39 Hardware Kit, Standard, Single Cage Pole with Extension Arm
DCCOL	8	E-0018-HD31 Hardware Kit, Standard, Single Cage Pole
DCCOLEA	8	E-0018-HD39 Hardware Kit, Standard, Single Cage Pole with Extension Arm
DCCOLTEA	8	E-0018-HD41 Hardware Kit, Tall, Single Cage Pole with Extension Arm
DCWAEA	9	E-0018-HD41 Hardware Kit, Tall, Single Cage Pole with Extension Arm
SPC	4	E-0018-HD31 Hardware Kit, Standard, Single Cage Pole
SPCEA	4	E-0018-HD39 Hardware Kit, Standard, Single Cage Pole with Extension Arm

TITLE:

Discus and Shot Put Cages Overview

DWG NO:

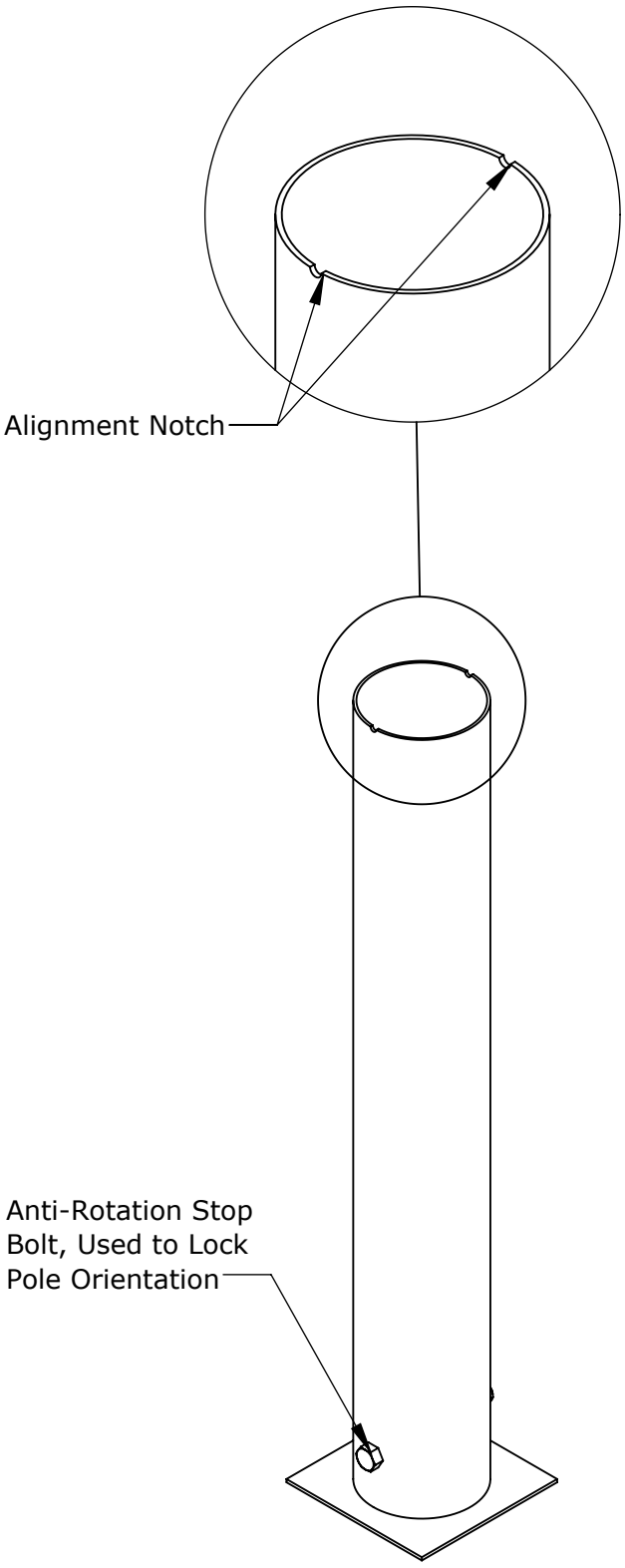
ID-00081

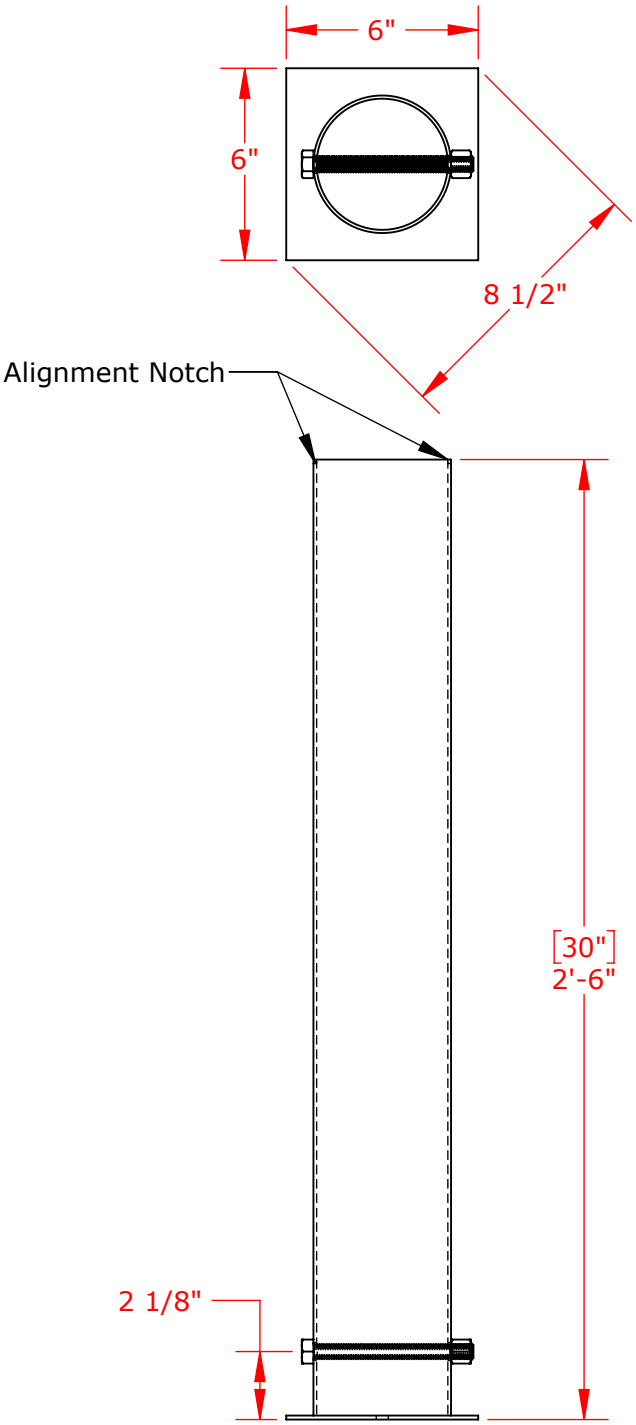
SHEET 1 OF 1

Stop bolt/alignment notches must be installed in correct position to allow for proper orientation of upright pole



GSC4P Ground Sleeve Cap, Provided for Use When Poles Are Removed For Storage

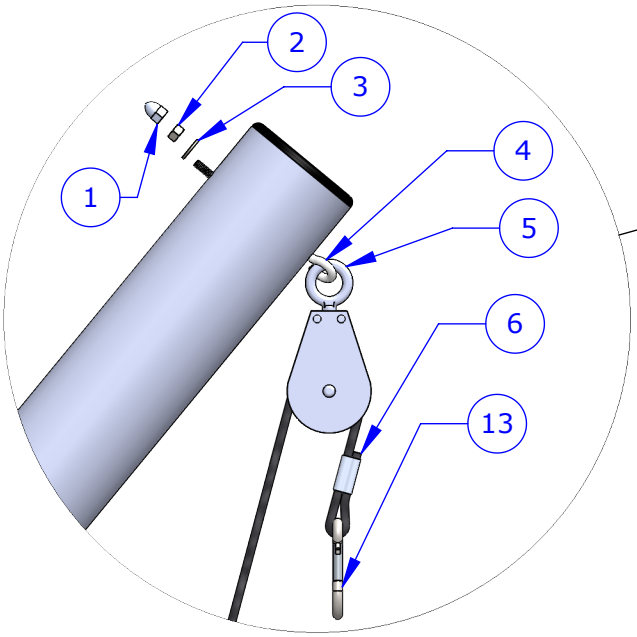




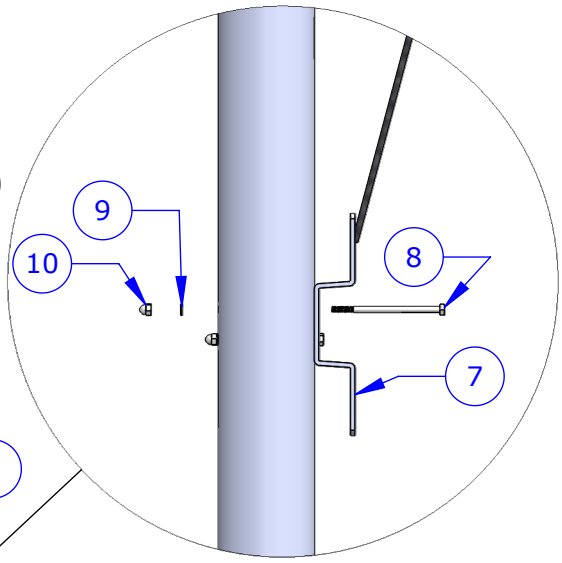
TITLE:	DWG NO:
GS430 Ground Sleeve Alignment Notch Detail	ID-00052
	SHEET 1 OF 1

Step 1

Install tether and rope cleat hardware prior to inserting pole into ground sleeve.



PULLEY AND TETHER DETAIL



ROPE CLEAT DETAIL

Step 2

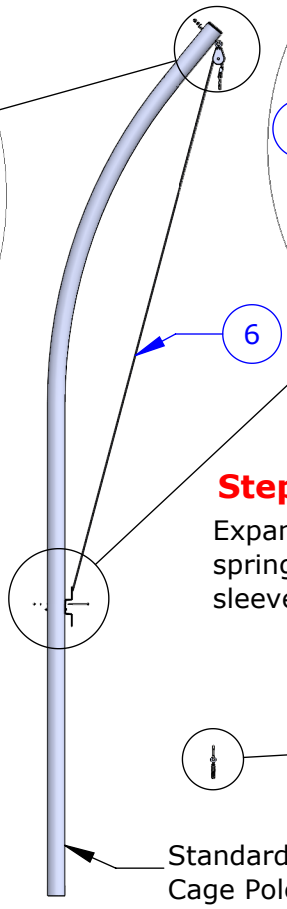
Expansion anchor is for net attachment using spring hook and eye bolt. Refer to ground sleeve layout plan for eyebolt placement.

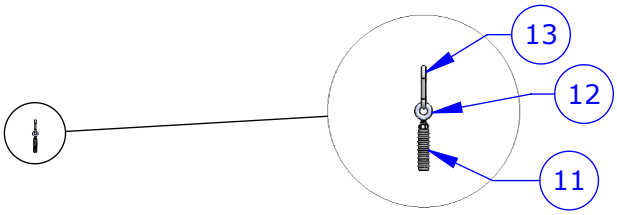
Step 3

After inserting the pole into the ground sleeve, lower the pulley and attach the net to the 5/16" spring hook at each pole location.

Step 4

Raise the net. Attach the bottom of the net at each eyebolt location using a 5/16" spring hook.





ANCHOR DETAIL

ITEM NO.	QTY.	ERP Part Number	DESCRIPTION
1	1	107-HXN-0021	Nut, Acorn, High-Crown, 5/16-18, 18-8 SS
2	1	107-HXN-0023	Nut, Hex, 5/16-18, 316 SS
3	1	110-FLW-0007	Washer, Flat, 5/16", SS
4	1	100-EYE-0010	Bolt, Eye, 5/16-18 x 4.625", Open Eye, w/o Shoulder, Steel, Zinc-Plated, Includes Hex Nut
5	1	PURCHP-0026	1/4" Swivel Block Pulley
6	1	TETHER-33	33' Long Tether
7	1	E-1000-0013	Steel Rope Cleat
8	2	101-HHC-0025	Bolt, Hex Head, 1/4-20 x 4.50", 304 SS
9	2	110-SLW-0002	Washer, Split Lock, 1/4", SS
10	2	107-HXN-0006	Nut, Acorn, 1/4-20, 18-8 SS
11	1	PURCHP-0161	3/8-16 Two-Way Expansion Anchor
12	1	100-EYE-0002	Bolt, Eye, 3/8-16 x 2.50", Closed Eye, w/o Shoulder, Fully Threaded, Steel, Zinc-Plated, WLL 1,400 lb, Includes Hex Nutl
13	2	PURCHP-0009	5/16" Spring Hook

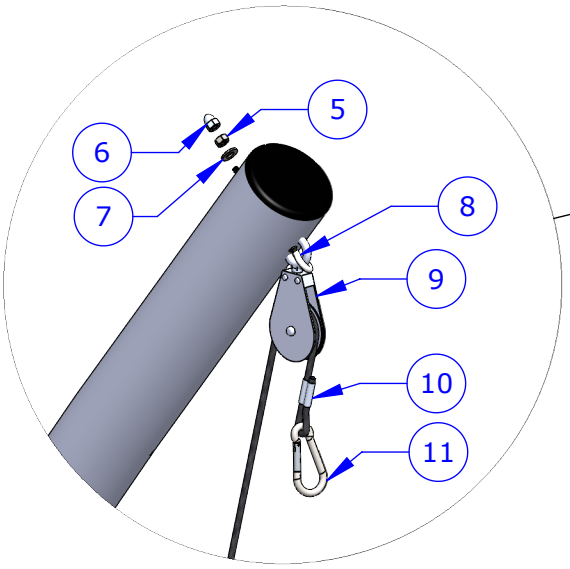
TITLE: E-0018-HD31 Hardware Kit, Standard, Single Cage Pole

DWG NO: ID-00212

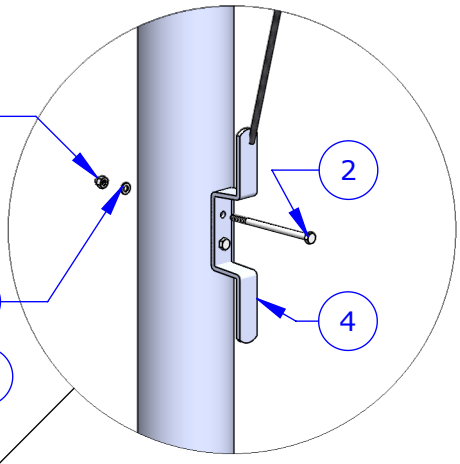
SHEET 1 OF 1

Step 1

Install tether and rope cleat hardware prior to inserting pole into ground sleeve.



PULLEY AND TETHER DETAIL



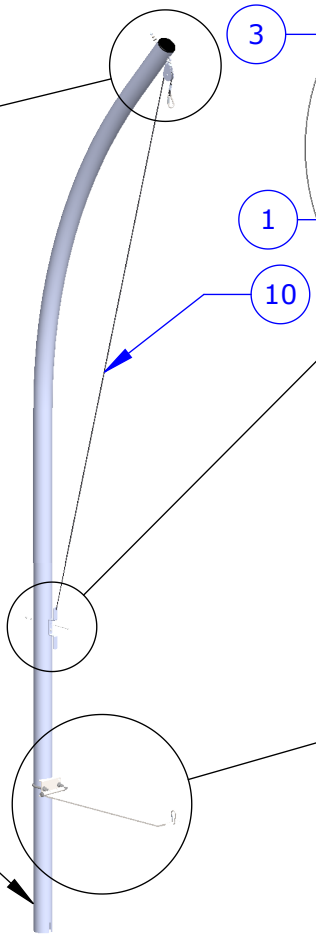
ROPE CLEAT DETAIL

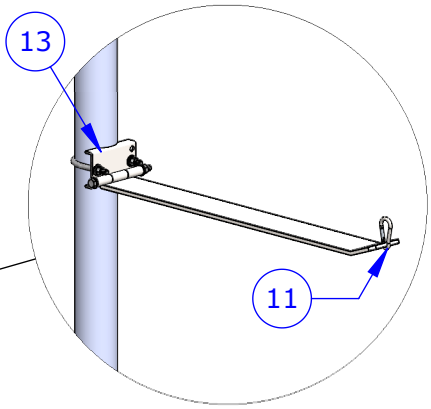
Step 2

After inserting the pole into the ground sleeve, lower the pulley and attach the net to the 5/16" spring hook at each pole location.

Step 3

Raise the net. Attach the bottom of the net at each extension arm using a 5/16" spring hook.





E-1000-S004
EXTENSION ARM DETAIL

ITEM NO.	QTY.	ERP Part Number	DESCRIPTION
1	2	110-SLW-0002	Washer, Split Lock, 1/4", SS
2	2	101-HHC-0025	Bolt, Hex Head, 1/4-20 x 4.50", 304 SS
3	2	107-HXN-0006	Nut, Acorn, 1/4-20, 18-8 SS
4	1	E-1000-0013	Steel Rope Cleat
5	1	107-HXN-0023	Nut, Hex, 5/16-18, 316 SS
6	1	107-HXN-0021	Nut, Acorn, High-Crown, 5/16-18, 18-8 SS
7	1	110-FLW-0007	Washer, Flat, 5/16", SS
8	1	100-EYE-0010	Bolt, Eye, 5/16-18 x 4.625", Open Eye, w/o Shoulder, Steel, Zinc-Plated, Includes Hex Nut
9	1	PURCHP-0026	1/4" Swivel Block Pulley
10	1	TETHER-33	33' Long Tether
11	2	PURCHP-0009	5/16" Spring Hook
13	1	E-1000-S053	Mount, Stabilizer Extension Arm, Hinged, 36"L, with Hardware

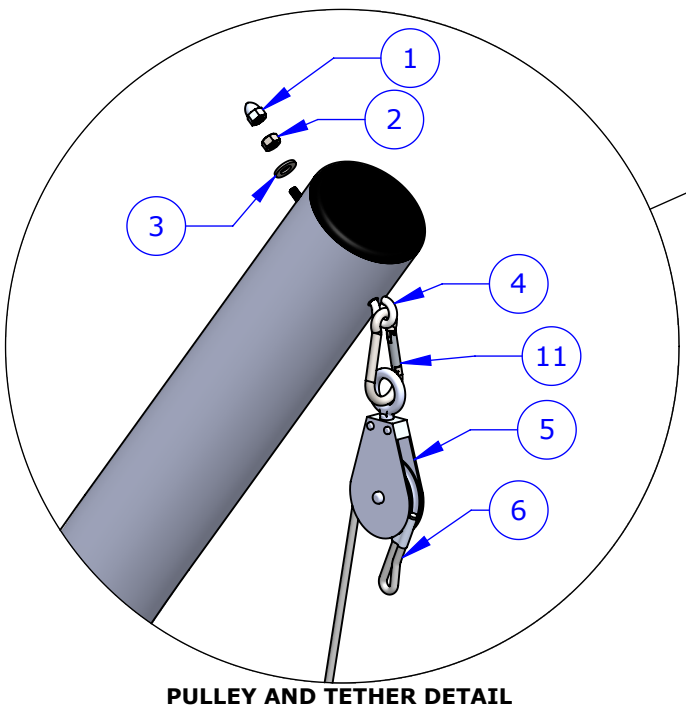
TITLE: E-0018-HD39 Hardware Kit, Standard, Single Cage Pole with Extension Arm

DWG NO: ID-00213

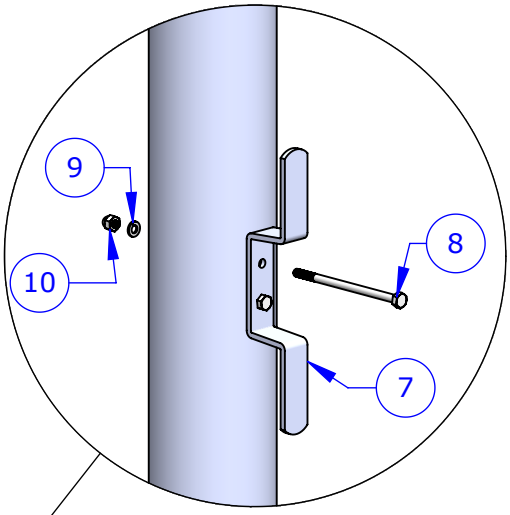
SHEET 1 OF 1

Step 1

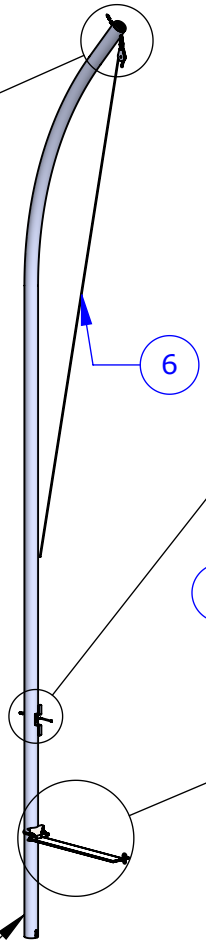
Install tether and rope cleat hardware prior to inserting pole into ground sleeve.



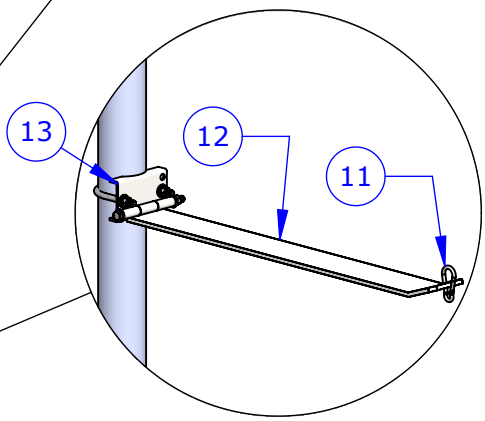
PULLEY AND TETHER DETAIL



ROPE CLEAT DETAIL



Tall 21' Arc Pole



EXTENSION ARM DETAIL

Step 2

After inserting the pole into the ground sleeve, lower the pulley and attach the net to the 5/16" spring hook at each pole location.

Step 3

Raise the net. Attach the bottom of the net at each extension arm using a 5/16" spring hook.

ITEM NO.	QTY.	SAP Part Number	DESCRIPTION
1	1	107-HXN-0021	Nut, Acorn, High-Crown, 5/16-18, 18-8 SS
2	1	107-HXN-0023	Nut, Hex, 5/16-18, 316 SS
3	1	110-FLW-0007	Washer, Flat, 5/16", SS
4	1	100-EYE-0010	Bolt, Eye, 5/16-18 x 4.625", Open Eye, w/o Shoulder, Steel, Zinc-Plated, Includes Hex Nut
5	1	PURCHP-0026	1/4" Swivel Block Pulley
6	1	Tether-45	45' Long Tether
7	1	E-1000-0013	Steel Rope Cleat
8	2	101-HHC-0025	Bolt, Hex Head, 1/4-20 x 4.50", 304 SS
9	2	110-SLW-0002	Washer, Split Lock, 1/4", SS
10	2	107-HXN-0006	Nut, Acorn, 1/4-20, 18-8 SS
11	2	PURCHP-0009	5/16" Spring Hook
12	1	E-1000-S004	Stabilizer Extension Arm, Hinged, 36"L
13	1	E-1000-S053	Mount, Stabilizer Extension Arm, Hinged, 36"L, with Hardware

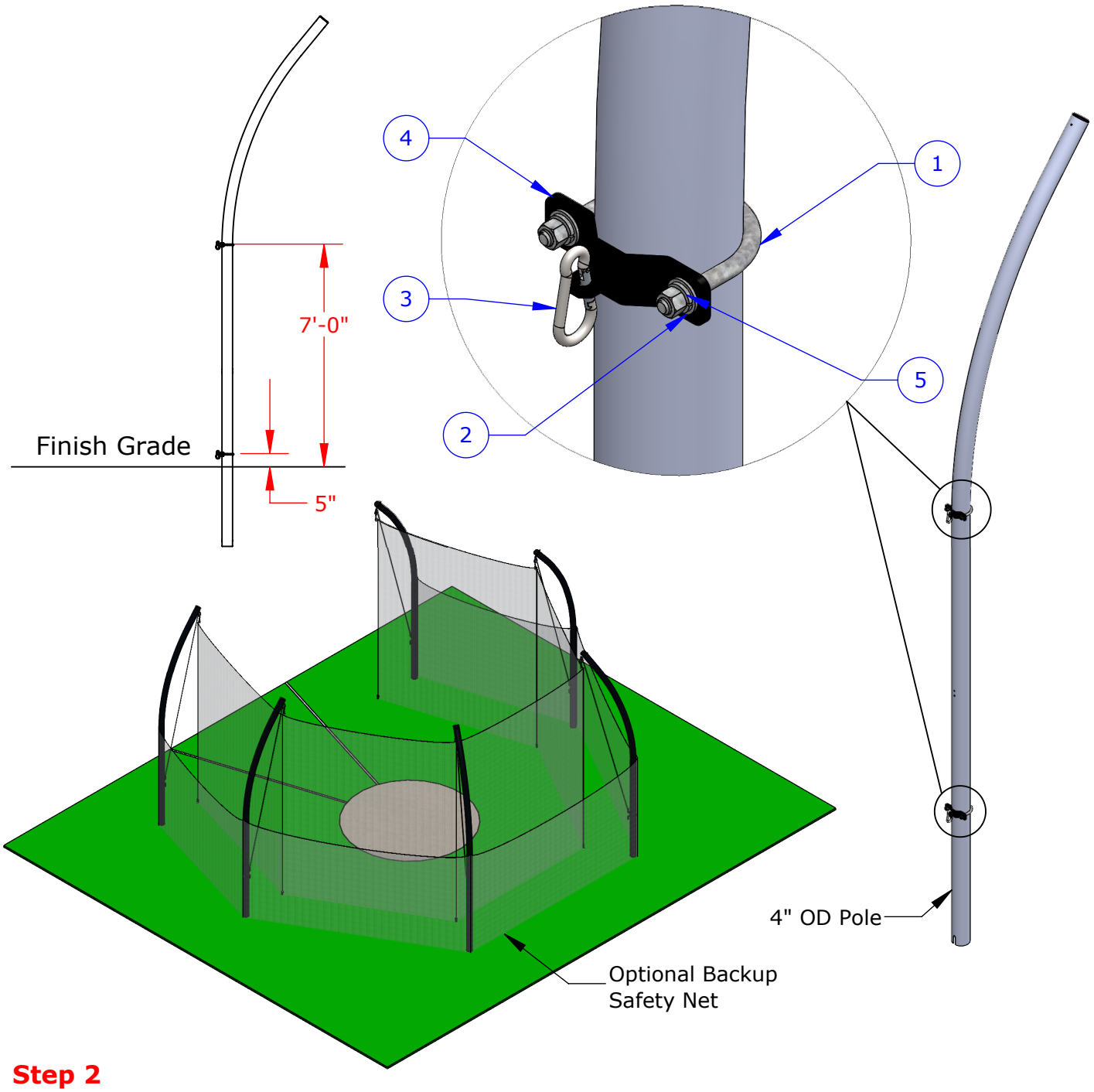
TITLE:
E-0018-HD41 Hardware Kit, Tall, Single Cage Pole with Extension Arm

DWG NO:
ID-00214

SHEET 1 OF 1

Step 1

Attach hardware as shown.



Step 2

Clip the net to each pole location using the 5/16" spring hook.

ITEM NO.	QTY.	SAP Part Number	DESCRIPTION
1	2	102-UBOLT-0001	U-Bolt, 1/2-13 x 4.00" ID x 4.50" L, Steel, HDG, Includes (2) Hex Nuts
2	4	111-FLW-0001	Washer, Flat, 1/2", Steel, HDG
3	2	PURCHP-0009	5/16" Spring Hook
4	2	E-0018-S033	4" OD Pole BUNET Bracket
5	4	111-SLW-0001	Washer, Split Lock, 1/2", Steel, HDG

TITLE:	DWG NO:
Optional Backup Net System	ID-00148
	SHEET 1 OF 1

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 be lowered 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.

Cage nets and poles can easily be dismantled and stored if desired.

Step 1

Unclip the spring hooks from the net.

Step 2

Remove the poles from the ground sleeves.

Step 3

Insert the ground sleeve cap into the hole left behind by the removal of the pole from the ground sleeve.

Step 4

If desired, remove all pole hardware and store in single container.

Step 5

Fold the net and store in a clean, dry location

TITLE:	DWG NO:
Maintenance and Disassembly of Cage System	ID-00082
	SHEET 1 OF 1