



Jaypro Retractable Practice Cages

INSTALLATION AND OPERATING INSTRUCTIONS



Figure 1: Jaypro BBC-700M Multi-Sport Cage

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Applicable Jaypro Part Numbers / Cage Models:

BBC-700B:	70' L x 12' W x 11' H, Ceiling Suspended Retractable Baseball Batting Cage
BBC-700M:	70' L x 12' W x 11' H, Ceiling Suspended Retractable Multi Sport Cage
BBC-800B:	70' L x 14' W x 11' H, Ceiling Suspended Retractable Baseball Batting Cage
BBC-800M:	70' L x 14' W x 11' H, Ceiling Suspended Retractable Multi Sport Cage
BBC-UBKIT:	Direct Attached Installation Kit for 70' L Cage
BBC-UP5KIT:	Spanning Parallel, Up to 5' Span Installation Kit for 70' L Cage
BBC-PARKITA:	Spanning Parallel, 5' to 8' Span Installation Kit for 70' L Cage
BBC-PARKITB:	Spanning Parallel, 8' to 12' Span Installation Kit for 70' L Cage
BBC-PERPKITA:	Spanning Perpendicular, Up to 8' Span Installation Kit for 70' L Cage
BBC-PERPKITB:	Spanning Perpendicular, 8' to 12' Span Installation Kit for 70' L Cage
BBC-RIGKIT:	Peaked or Rigid Frame Building Installation Kit for 70' L Cage



IMPORTANT NOTES:

- Caution! This cage system is capable of lifting upwards of 1000 lbs of retractable cage frames and nets. However, injury and / or death can result if equipment is used in an unsafe manner.
- Do not lift more than one 70'L x 12'W x 11'H or 70'L x 14'W x 11'H cage. **The cage should NEVER be used to store other items on top!**
- Follow all warning signs and labels on equipment.
- Inspect all equipment before each use. Do not operate equipment if any cables are frayed or bent, or any wires have been damaged.
- Make sure there are no obstructions above or below the cage frame or catch nets when operating the unit.
- Do not operate other moveable gym equipment (such as backstops, curtains, scoreboards, etc) close to the cage system at the same time as this unit is being operated.
- Do not leave the key in the wall switch. Only authorized personnel should have access to the keys.
- Always require that all personnel follow all safety procedures any time unit is in operation.
- Never use equipment for hoisting personnel or any other equipment besides that for which it was designed and tested.
- Should equipment become damaged or stop working as expected immediately stop using the system and tape off an area around the cage. Do not continue using until a qualified service technician has inspected the equipment and certified the system as safe to resume operating.
- Nets must be rolled tightly and stored on top of the frame. Do not operate unit with an off-balance load.
- Key switch must be located within clear eyesight of entire cage assembly. Never operate cage when sightline is obstructed. Post additional personnel around cage as needed to keep children and other unauthorized personnel clear from operating area.
- Facility personnel should never access the internal components of the winch.
- Only licensed electricians are permitted to provide power to the key switch, and to and from the winch. Authorized installation personnel may provide temporary wiring only for the purpose of testing equipment during the installation of the product.

Call Jaypro Sports Equipment at 1-800-243-0533 during regular business hours for any technical support questions or issues. Refer to Cage Model Number listed above when talking to customer service personnel.

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GENERAL NOTES:

- All components of the cage system have been fully tested at the factory to ensure they are in proper working order. If for some reason the system does not work as expected after the installation has been completed, please review all steps in the procedure as well as the troubleshooting guide. If for some reason the system is still not functioning properly, you may call Jaypro directly at 1-800-243-0533.
- Only authorized and properly trained personnel should operate the cage. Operation of the cage should only be done while in clear view of the surrounding area. Always keep a copy of these operating instructions handy for anyone using the system. Jaypro recommends a policy of training and 'signing off' on instructions for anyone who will be tasked with operating the system.
- It is the ultimate responsibility of the person operating the cage system to ensure that the unit does not become severely out of level. If for any reason the cage frame should exceed a 6" difference in elevation from one end to the other, **STOP OPERATING IMMEDIATELY!** Do not operate the system again until the problem has been diagnosed and repaired.
- Before operating cage system make sure all personnel are clear from the area.
- Cage hoist is capable of holding one frame and net. Net should be rolled evenly and stored as shown in images below during storage. Inspect cables regularly and order replacements at the first sign of wear.
- Key switch has two positions, Up and Down. Turn and hold key in direction of travel desired. Operator should always be observant of cage and surroundings during operation.
- Inspect cables and spools regularly. Order replacements at the first sign of frayed cable segments or any wear of metal parts.
- Listen for unusual sounds from hoist motor while the unit is being operated. Winches are somewhat loud normally, but if the noise they make should change over the period of their life then they should be inspected closely.
- Call Jaypro for pricing and scheduling of a field maintenance visit from one of our highly trained specialists if you are unwilling or unable to perform the regular maintenance yourself. Jaypro recommends that the cage system be thoroughly inspected at least every year by a trained specialist. Call Jaypro or your dealer to arrange for servicing.

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OPERATING INSTRUCTIONS:

1. Key Switch Operation

- a. Inserting the key and turning in the direction of desired travel actuates the key switch.

REGULAR EQUIPMENT MAINTENANCE:

1. Key Switch

- a. Key switch is dual direction momentary actuated. No maintenance or upkeep should ever be required. For additional or replacement keys call Jaypro (you must have the key number).

2. Wire Rope

- a. Wire rope should be lubricated regularly to ensure long reliable life. Obtain a suitable wire rope lubricant from local supply or hardware store. Do not use heavy grease or engine oil for lubricant. A recommended penetrating lubricant is MIL-G-18458 wire rope grease. Lubrication is best applied at the point of the wire rope bending over the pulley sheave, where the strands will be temporarily and partially separated allowing the lubricant to penetrate fully.
- b. Inspect rope for excessive damage or broken 'threads'. See image below - if wire rope looks like any of these pictures, it's time to replace it:

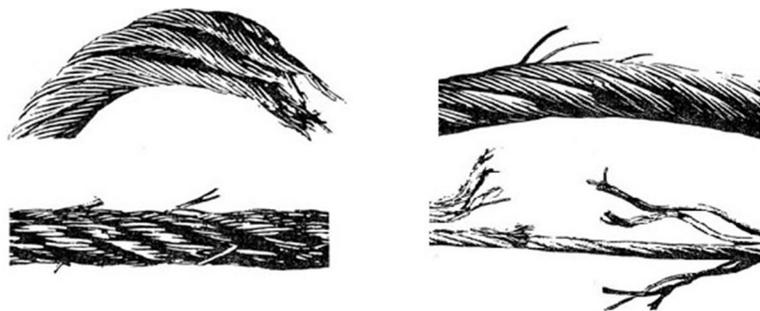


Figure 2: Worn and Damaged Wire Ropes - Replacements Required

- c. Replacement hoist cables (wire ropes) can be obtained directly from Jaypro, or from a qualified wire rope manufacturer or supplier. Cables are 1/8" x 7/19 Galvanized Cable with both ends terminated with a flemished eye splices and galvanized thimbles.



3. Electric Hoists (Winches)

- a. Hoist is maintenance free and should provide years of repeated reliable service, barring damage from other equipment or electrical surge or other problem. Unit should, however, be inspected regularly and if there is any sign of wear on the visible internal components a qualified service technician should be called in for further study.
- b. Inspect all attachment hardware for both the winch and the cable. Retighten or replace all hardware as necessary.

4. Service Plan & On-Site Maintenance Inspection

- a. A thorough yearly inspection is recommended for entire system of hoists, cables, wiring, etc. If there are no qualified personnel on site who can do this work, it is recommended that you retain the services of a maintenance technician who is experienced with this type of equipment. You can research the availability of such a service locally or call Jaypro directly for a factory representative recommendation.

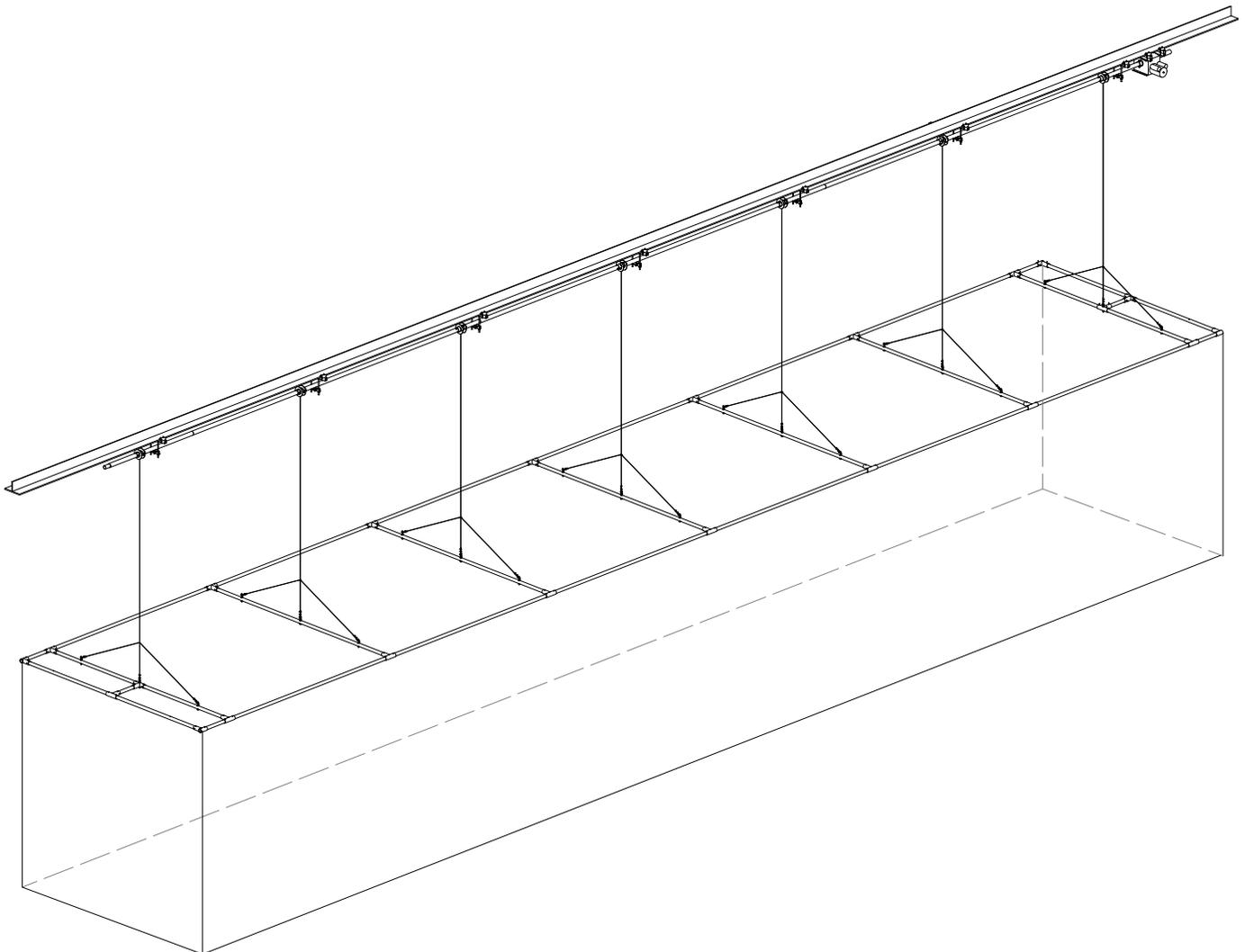


Figure 3: Rendering of Direct Attached Batting Cage System



INSTALLATION PROCEDURES:

IMPORTANT NOTE:

The following installation procedures show the installation of a batting cage being directly attached to a single I-beam or bar joist, using the BBC-UBKIT mounting kit. Alternate mounting kits are available to attach cages between bar joists, perpendicular to bar joists, or to rigid frame buildings. Although this document explains the steps in laying out the cage and drive assembly, refer to the individual mounting kit instructions for installing the support structure.

Only trained personnel, familiar with the use of common power tools, should attempt to install the batting cage and support structure.

TOOLS REQUIRED:

- Standard Sockets
- Open Ended Wrenches
- Allen Wrench Set Screwdrivers
- Electric Drills
- Electric Saws
- Cable Cutters
- Measuring Devices
- Levels and Plumb Bobs or Lasers Lifts and/or Scaffolding Blocking Wood
- Duct Tape
- Thread Lock Liquid
- 5/16" Nut Drivers

SKILLS:

Installation should be by persons with experience in indoor athletic equipment assembly. Contact Jaypro Sports for a recommendation of a certified installer in your area.

UNPACKAGE AND VERIFICATION:

1. Verify that all your parts are accounted for.
2. Verify that no parts were damaged in shipment.
3. Layout all parts and identify for assembly.
4. The winch should be unpackaged and ground tested at this point.
 - The lower limit should be set and the drum turned until it rests at the lower limit position to aid in installation.
 - Reference the Winch documentation located within the winch box.



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ITEMS AND QUANTITIES

PACKAGE 1		CW-1800	
	(1)	CW-1800-1	WINCH
	(1)	KS-13	KEY SWITCH
PACKAGE 2		BBC-700DT	
	(7)	DRIVEPIPE-B	2-3/8" O.D. GALVANIZED TUBES 135-3/4"
PACKAGE 3		BBC-700DMK	
	(14)	CG-6	6" CABLE GUIDE FITTING
	(7)	DPC-2	DRIVE PIPE CARRIER ASSEMBLY
	(18)	HM6134	1/2-13 STRUT NUT
	(18)	HM6135	1-5/8 SQUARE STRUT WASHER W/ 9/16 HOLE
	(2)	HN2951	1/2-13 NYLON LOCK NUT
	(14)	HN5016	1/2-13 x 1 3/4 COUPLING NUT
	(26)	HN5038	1/2-13 FLANGE NUT
	(14)	HN704	1/2-13 HEX NUT
	(2)	HS5040	1/2-13 x 4 HEX HEAD CAP SCREW GRD 5
	(14)	HW1245	1/2 SPLIT RING LOCK WASHER
	(4)	HW2044	1/2 FLAT WASHER
	(4)	SR5187	1/2-13 x 12 THREAD ROD
	(14)	SR5276	1/2-13 x 18 THREAD ROD
PACKAGE 4		BBC-700CK	
	(4)	BBC-EL	CAGE ELBOW FITTING
	(18)	BBC-T	CAGE TEE FITTING
	(21)	HB5048	3/8-16 X 5 EYEBOLT WITH NUT
	(63)	HM403	1/8" WIRE ROPE CABLE CLAMP
	(21)	HM6169	1/8" WIRE ROPE CABLE THIMBLE
	(27)	HN265	3/8-16 NYLON LOCK NUT
	(6)	HS292	3/8-16 x 3 HEX HEAD CAP SCREW
	(130)	HS5144	#10 X 1" RDN WASHER HEAD PHILLIPS SCREW
	(42)	HW2050	3/8 FLAT WASHER
	(25)	NW0048	3/4" X 25 YDS BLACK VELCRO ONE WRAP
	(7)	RC5017-14	1/8" AIRCRAFT CABLE 7X19 GALVANIZED 14'
	(7)	RC5017-40	1/8" AIRCRAFT CABLE 7X19 GALVANIZED 40'
PACKAGE 5		BBC-700CP	
	(4)	AP5008-288	1.90 O.D. ALUMIMUM TUBE 288"
	(2)	AP5008-264	1.90 O.D. ALUMIMUM TUBE 264"
PACKAGE 6		BBC-700CP1	
	(2)	AP5008-20	1.90 O.D. ALUMIMUM TUBE 20"
12' WIDE CAGE ONLY	(9)	BBC-700CP-1	1.90 O.D. ALUMIMUM TUBE 144' W/ 3 HOLES
		BBC-800CP1	
	(2)	AP5008-20	1.90 O.D. ALUMIMUM TUBE 20"
14' WIDE CAGE ONLY	(9)	BBC-800CP-1	1.90 O.D. ALUMIMUM TUBE 168' W/ 3 HOLES
PACKAGE 7		APPLICABLE NET	
	(1)	70' L X 12' W X 12' H TUNNEL 1-3/4" BLACK SQUARE NETTING	
	(1)	70' L X 12' W X 12' H TUNNEL 3/4" BLACK SQUARE NETTING	
SUPPLIED NET IS DEPENDENT ON THE CAGE PURCHASED	(1)	70' L X 14' W X 12' H TUNNEL 1-3/4" BLACK SQUARE NETTING	
	(1)	70' L X 14' W X 12' H TUNNEL 3/4" BLACK SQUARE NETTING	



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CAGE SUPPORT KITS (Contains Attachment Kit and Support Structure. Kits are suitable for beam flange thickness of 3/4" or less. For beams that are thicker than 3/4", custom beam clamps will be required.)

BBC-UBKIT (DIRECT ATTACHED) <i>Purchased Separately</i>			
<i>SUITABLE FOR BEAMS 12" WIDE OR LESS</i>	(9)	SR5239-18	1-5/8 X 1-5/8 X 18" SINGLE STRUT CHANNEL
	(18)	HM6157	SINGLE STRUT BEAM CLAMP ASSEMBLY
BBC-UP5KIT (SPANNING PARALLEL UP TO 5 FT) <i>Purchased Separately</i>			
	(9)	SR5239-96	1-5/8 X 1-5/8 X 96" SINGLE STRUT CHANNEL
	(36)	HM6157	SINGLE STRUT BEAM CLAMP ASSEMBLY
BBC-PARKITA (SPANNING PARALLEL 5 FT TO 8 FT) <i>Purchased Separately</i>			
	(9)	SR5239-120	1-5/8 X 1-5/8 X 120" SINGLE STRUT CHANNEL
	(36)	HM6157	SINGLE STRUT BEAM CLAMP ASSEMBLY
BBC-PARKITB (SPANNING PARALLEL 8 FT TO 12 FT) <i>Purchased Separately</i>			
	(9)	SR5243-168	1-5/8 X 3-1/4 X 168" DOUBLE STRUT CHANNEL
	(36)	HM6159	DOUBLE STRUT BEAM CLAMP ASSEMBLY
BBC-PERPKITA (SPANNING PERPENDICULAR UP TO 8 FT) <i>Purchased Separately</i>			
	(24)	HM6134	1/2-13 STRUT NUT
	(52)	HM6157	SINGLE STRUT BEAM CLAMP ASSEMBLY
	(4)	HM6158	3/8-16 STRUT NUT
	(6)	HM6222	4 HOLE STRUT PLATE
	(4)	HS286	3/8-16 x 1 HEX HEAD CAP SCREW
	(24)	HS5133	1/2-13 x 1 1/4 HEX HEAD CAP SCREW GR5
	(4)	HW2050	3/8 FLAT WASHER
	(2)	SR5239-24	1-5/8 X 1-5/8 X 24" SINGLE STRUT CHANNEL
	(8)	SR5239-240	1-5/8 X 1-5/8 X 240" SINGLE STRUT CHANNEL
BBC-PERPKITB (SPANNING PERPENDICULAR 8 FT TO 12 FT) <i>Purchased Separately</i>			
	(24)	HM6134	1/2-13 STRUT NUT
	(4)	HM6158	3/8-16 STRUT NUT
	(44)	HM6159	DOUBLE STRUT BEAM CLAMP ASSEMBLY
	(6)	HM6222	4 HOLE STRUT PLATE
	(4)	HS286	3/8-16 x 1 HEX HEAD CAP SCREW
	(24)	HS5133	1/2-13 x 1 1/4 HEX HEAD CAP SCREW GR5
	(4)	HW2050	3/8 FLAT WASHER
	(2)	SR5239-24	1-5/8 X 1-5/8 X 24" SINGLE STRUT CHANNEL
	(8)	SR5243-240	1-5/8 X 3-1/4 X 240" DOUBLE STRUT CHANNEL
BBC-RIGKIT (PEAKED OR RIGID FRAME BUILDING) <i>Purchased Separately</i>			
(See BBC-RIGKIT drawing package for detailed parts list)			

MEASURE AND ESTABLISH LOCATION OF CAGE:

1. The cage is either 12' or 14' wide by 70' long once assembled.
2. There should be a clear area around the perimeter of the cage that is 3' minimum.
3. The motor of the cage should be located outside the frame to allow for service to the motor in either the retracted or down position.

ESTABLISH THE MOTOR REFERENCE POINT:

1. The assembly of the cage and drive system is based on the establishment of a motor reference point.
2. The motor reference point is on the centerline of the of the cage on either end of the cage frame.
3. The reference point must be transferred to the ceiling structure of the building to establish the attachment points for the motor and drive pipe carriers.
4. A plumb laser is the preferred method for achieving this location.



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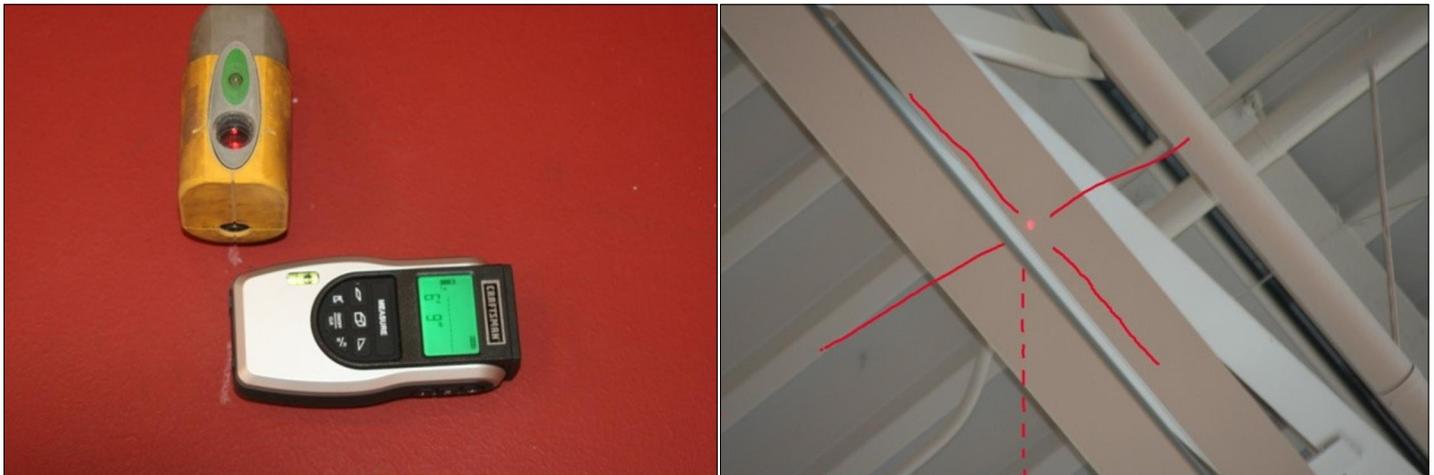


Figure 4: Locate Motor Reference Point

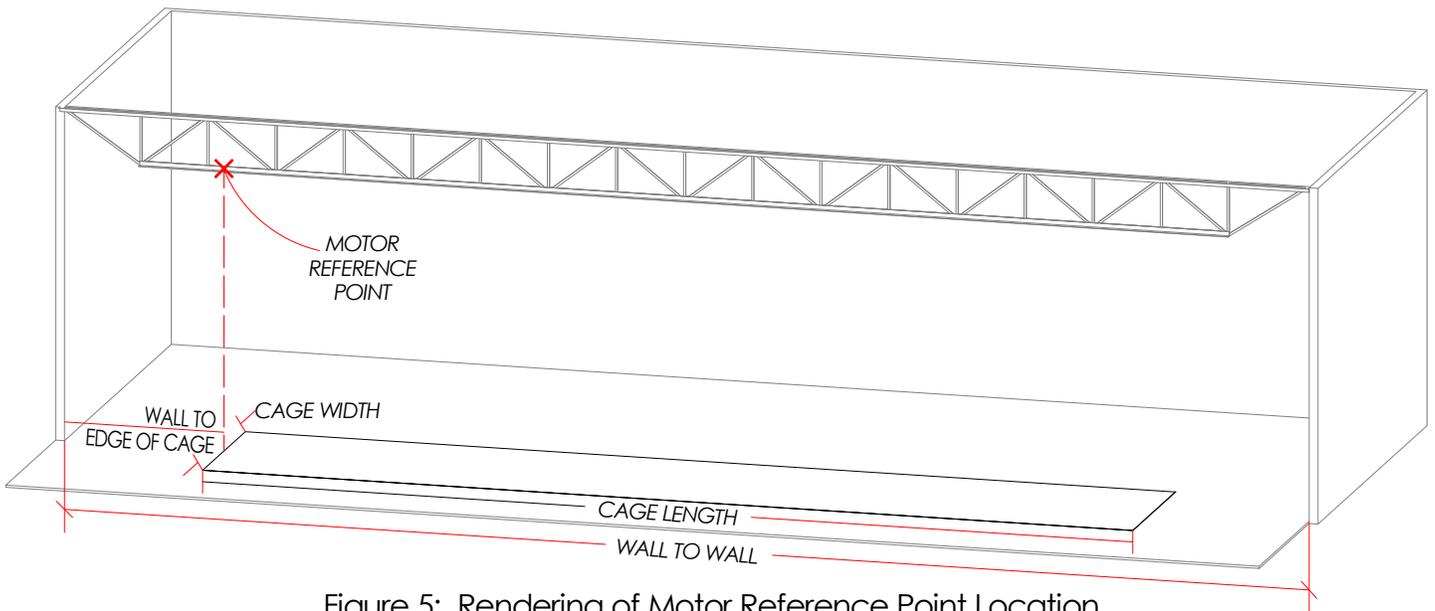


Figure 5: Rendering of Motor Reference Point Location

INSTALL MOTOR ATTACHMENT STRUT AND MOTOR ASSEMBLY:

1. Two pieces of unistrut that is 11" c/c are attached to the beam with unistrut clamps at a location of the first piece a minimum of 14" outside the frame perimeter away from the motor reference point.
2. Loosely assemble the motor assembly and hoist it into position.
3. Attach the motor assembly to the motor strut and establish the **drive pipe** centerline Above Finished Floor (AFF).

IMPORTANT NOTE: Batting cage centerline will be slightly offset from drive pipe centerline. Pay close attention to the cable wrap direction which is directly related to the winch mounting orientation (Refer to Figure 19).

4. Secure all nuts to mount the motor to the strut.
5. **DO NOT INSTALL** the winch drive bolts to the winch at this time.

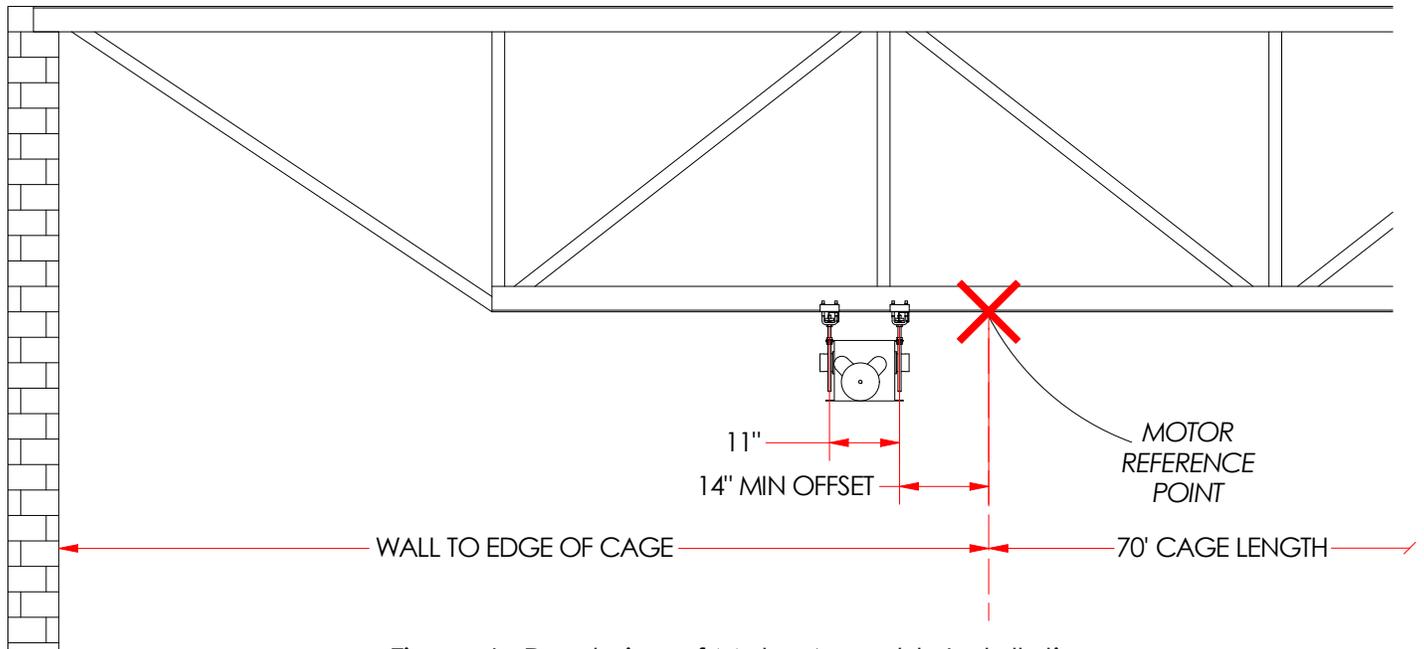


Figure 6: Rendering of Motor Assembly Installation



Figure 7: Motor Assembly Installation



*NOTE: ATTACHMENT METHOD MAY VARY
DEPENDING ON SUPPLIED CAGE SUPPORT KIT
(PURCHASED SEPARATELY)

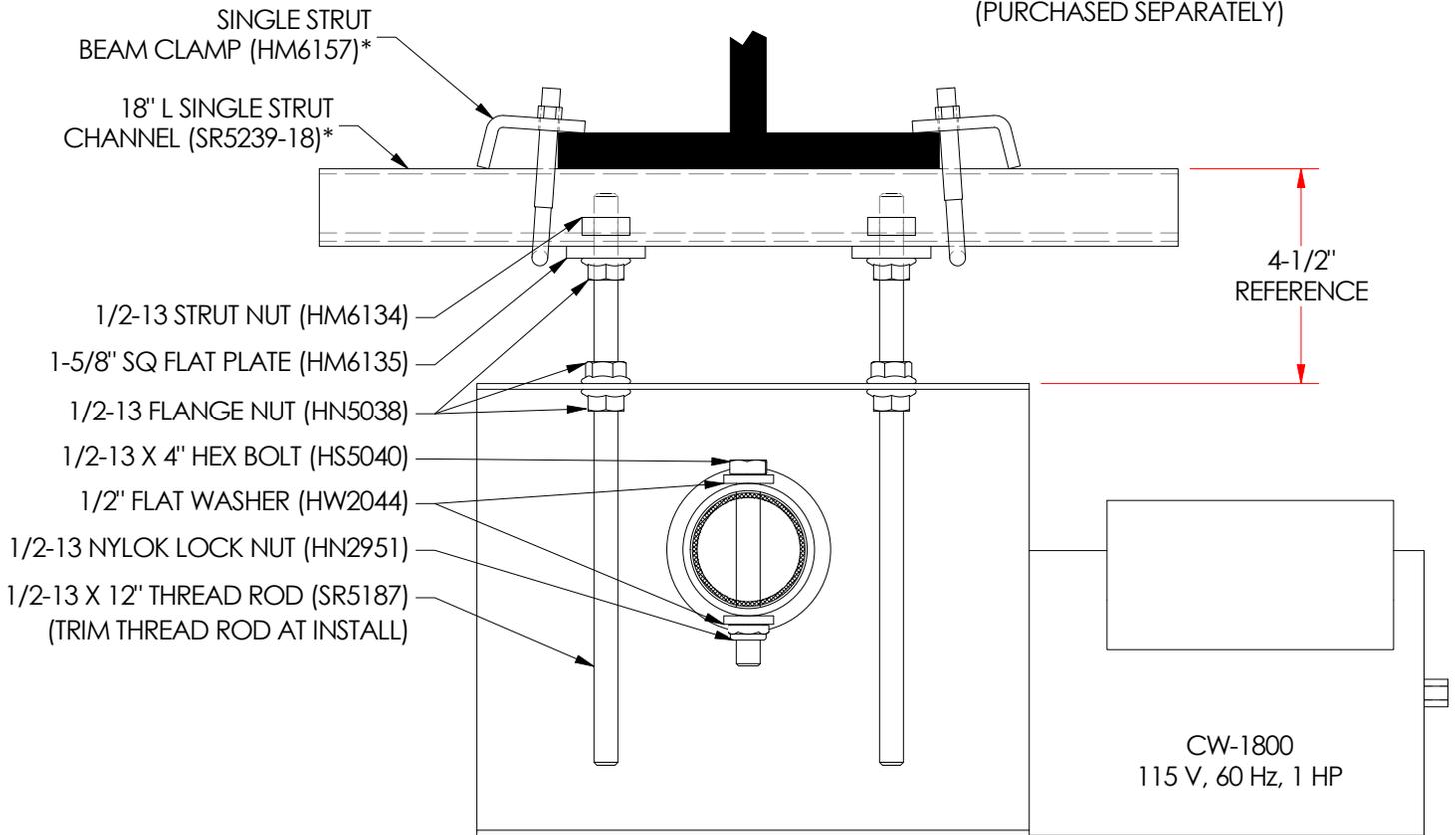


Figure 8: Rendering of Motor Assembly Detail (Section A-A)

INSTALL FIRST DRIVE PIPE CARRIER STRUT AND ASSEMBLY:

1. The next attachment is that of the first Drive Pipe Carrier Assembly (DPC-A) to unistrut that is located 1' from the motor reference point to be located within the perimeter of the cage.
2. Attach this piece of strut to the beam with unistrut beam clamps.
3. Attach a loosely assembled DPC-A to the strut.
4. Establish the required Drive Pipe Centerline AFF for the carrier.
5. Secure all nuts to mount the assembly to the strut.

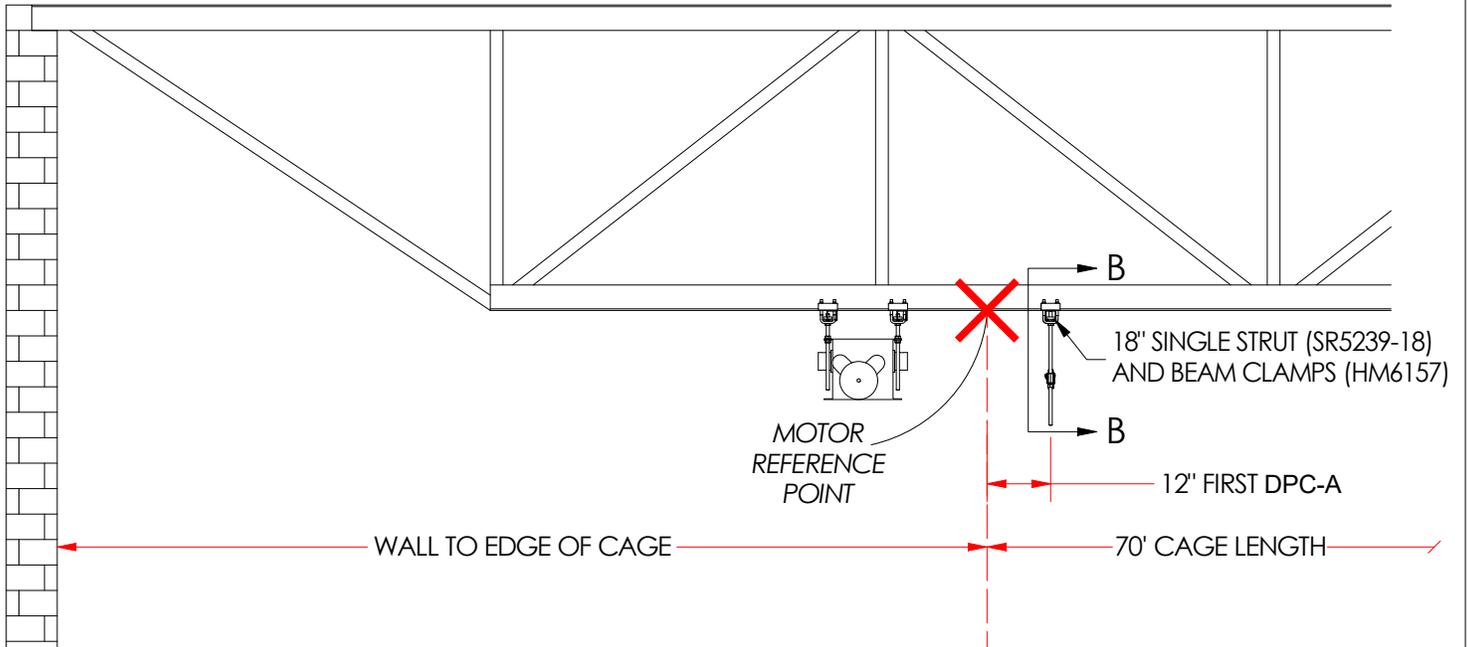


Figure 9: Rendering of First DPC-A Installation



Figure 10: First DPC-A Installation

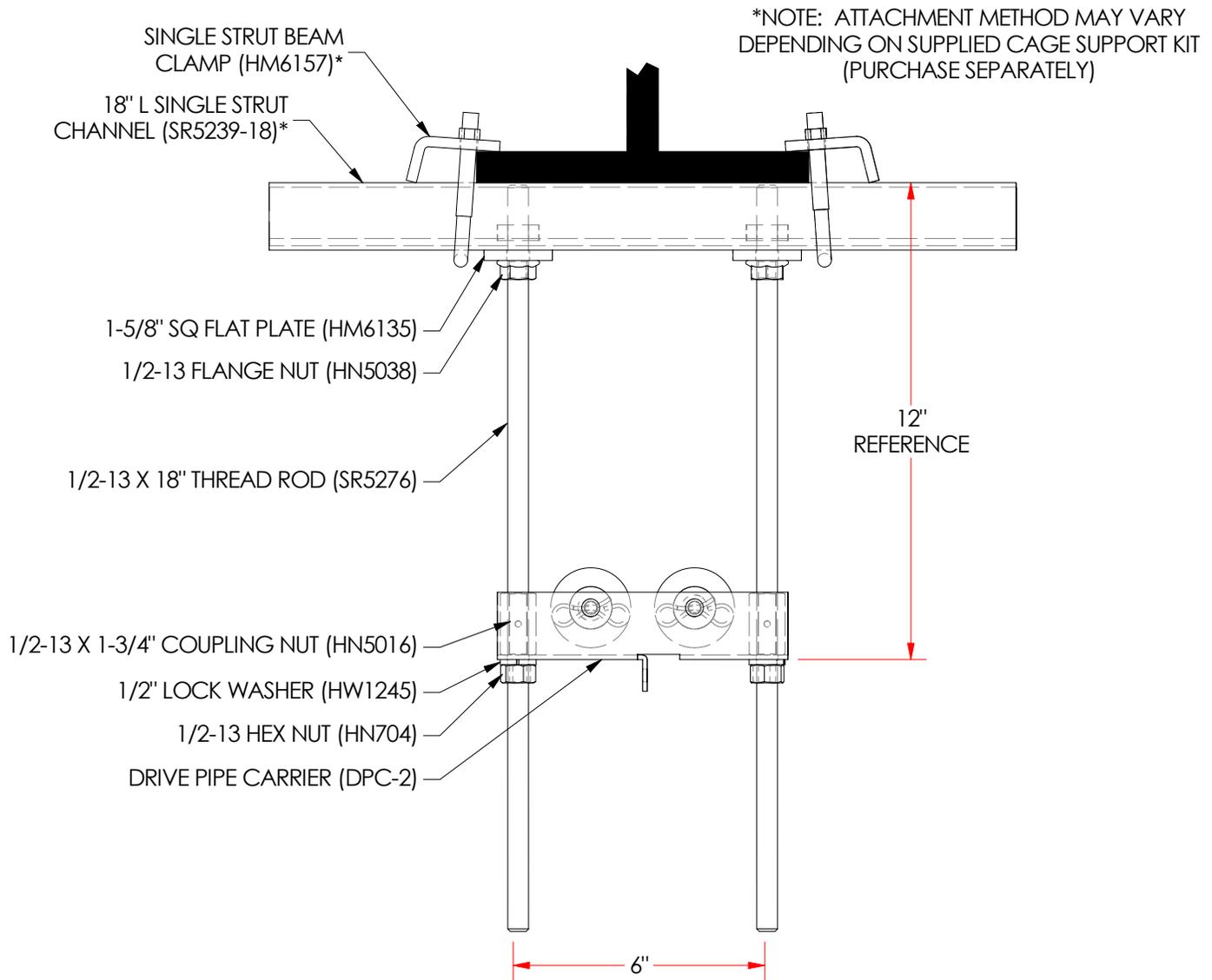


Figure 11: Rendering of Drive Pipe Carrier Assembly, DPC-A (Section B-B)

INSTALL THE FIRST SEGMENT OF DRIVE PIPE:

1. Insert the Swaged end of one section of drive pipe into the winch drum and push towards the first DCP-A.
 - Pipe may be inserted in opposite direction if clearance is an issue.
2. Continue to insert the drive pipe segment through the DPC-A and continue the edge of the pipe to end 27-3/4" beyond the center of the DPC-A.
3. Temporarily secure the drive pipe section to the winch with Duct Tape to prevent it moving unexpectedly.

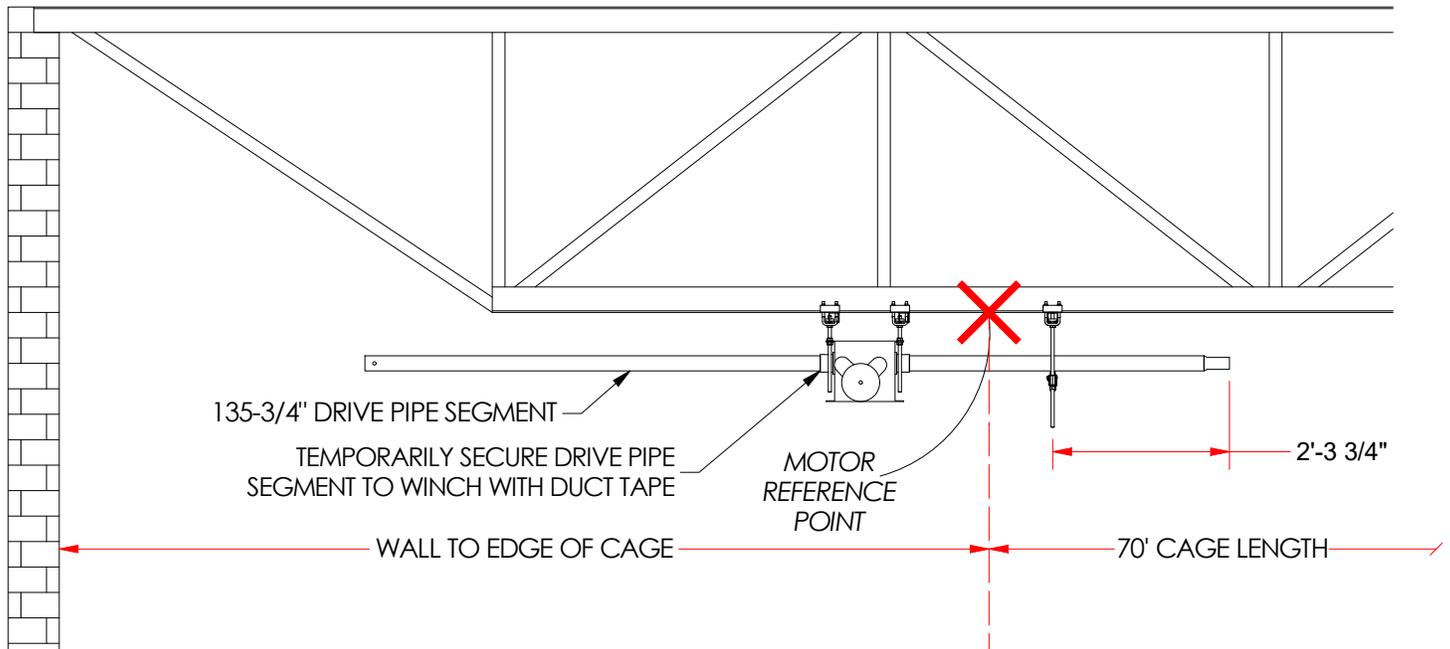


Figure 12: Rendering of First Drive Pipe Segment Installation

INSTALL A PAIR OF CABLE GUIDES ONTO THE DRIVE PIPE:

1. Slip a pair of cable guides (CG-6) on to the drive pipe.
2. Position the cable guides with the large discs next to each other.
3. **DO NOT** tighten these to the drive pipe at this point.

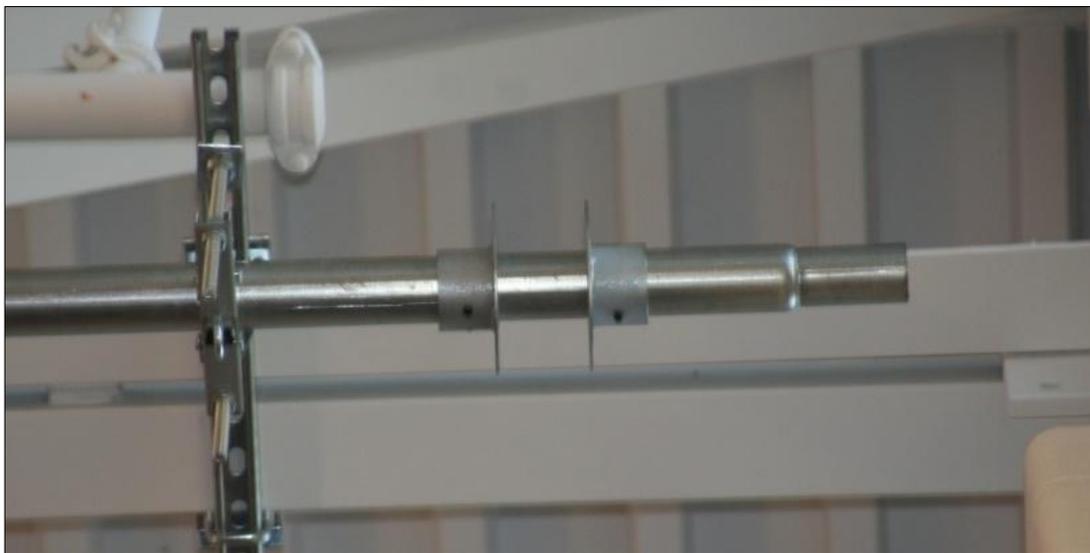


Figure 13: First Drive Pipe Segment and Cable Guide Installation



INSTALL THE SECOND DRIVE PIPE CARRIER ASSEMBLY:

1. You will continue to work away from the motor reference point.
2. The strut for the second drive pipe carrier is installed with strut beam clamps at a location that is 11' from the first drive pipe carrier location.
3. Loosely install a DPC-A to that strut and adjust for Drive Pipe Center line AFF.
4. Secure all nuts to mount the assembly to the strut.

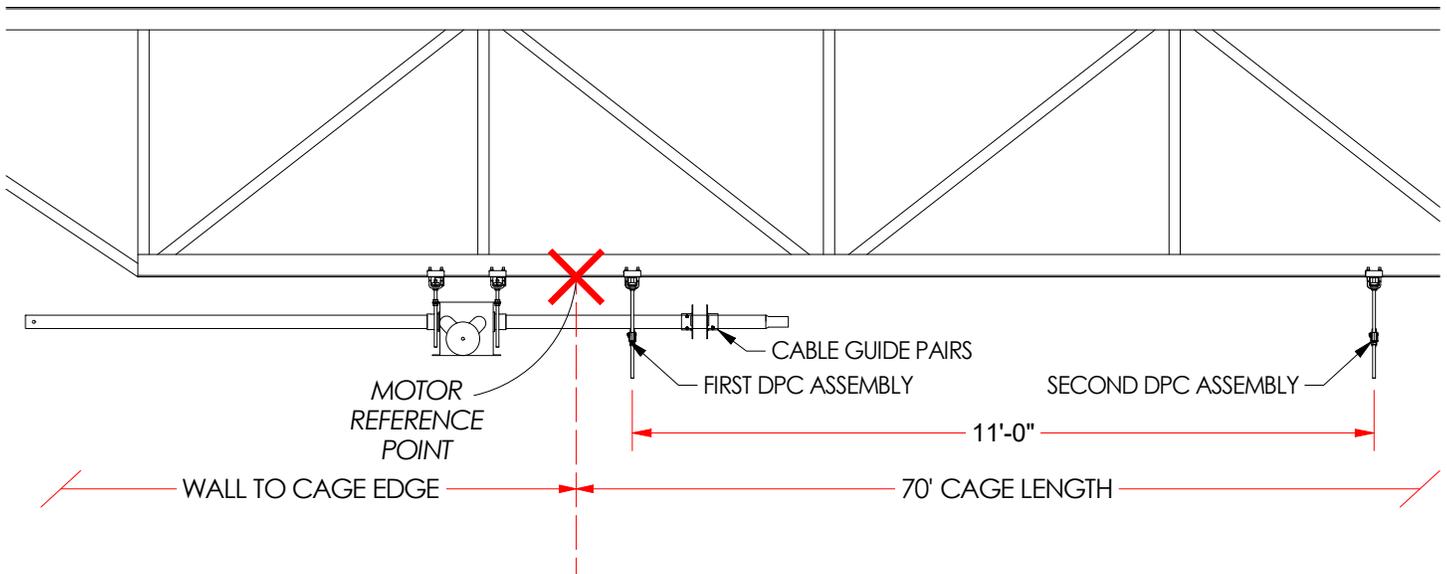


Figure 14: Rendering of Second DPC-A Installation

INSTALL THE SECOND DRIVE PIPE SEGMENT TO THE FIRST DRIVE PIPE SEGMENT:

1. Insert a drive pipe segment through the second DPC-A towards the first drive pipe segment.
2. Insert the drive pipe segment non-swaged end first through the second DPC-A.
3. Allow the non swaged end of Drive pipe segment 2 to go over the swaged end of drive pipe segment one.
4. Insert the second drive pipe fully over the swage of drive pipe segment one.
5. Splice the drive pipe segments together (refer to Figure 9).
 - i. Drill thru the swaged end of the first drive pipe segment by using the pre-drilled holes on the non swaged end of the second drive pipe as alignment.
 - ii. Insert a 3/8" x 3" Bolt (HS292) thru the hole and secure the pipes together with a 3/8-16 nylon lock nut (HN265)

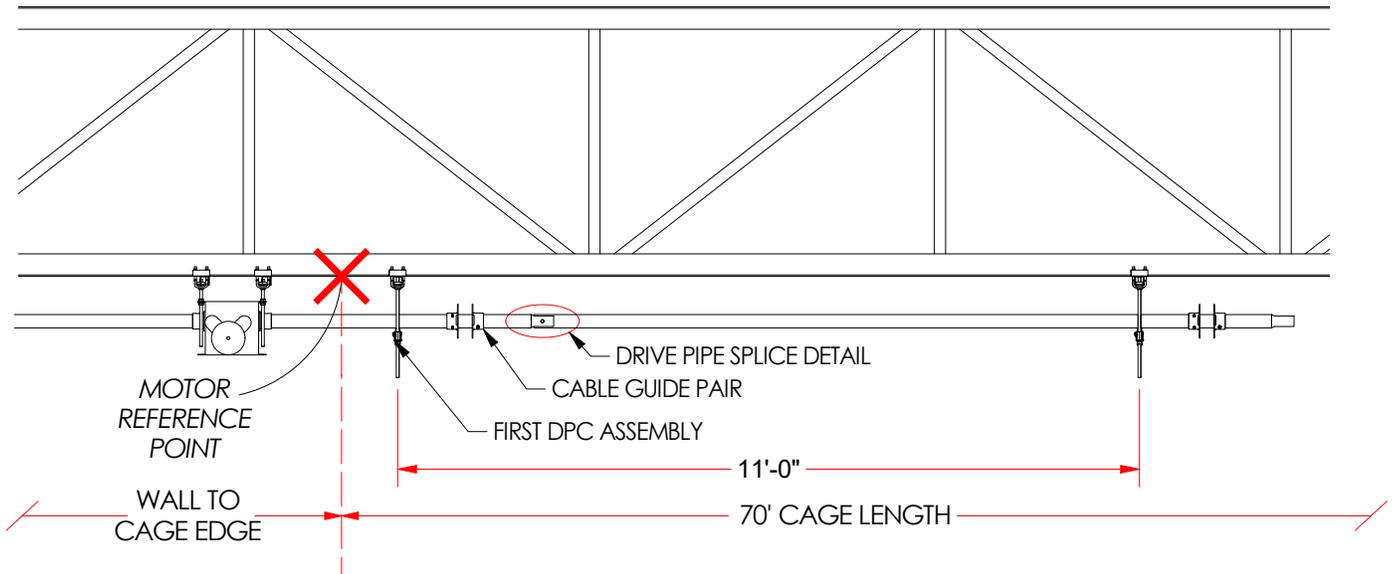


Figure 15: Rendering of Second Drive Pipe Segment and Cable Guide Installation

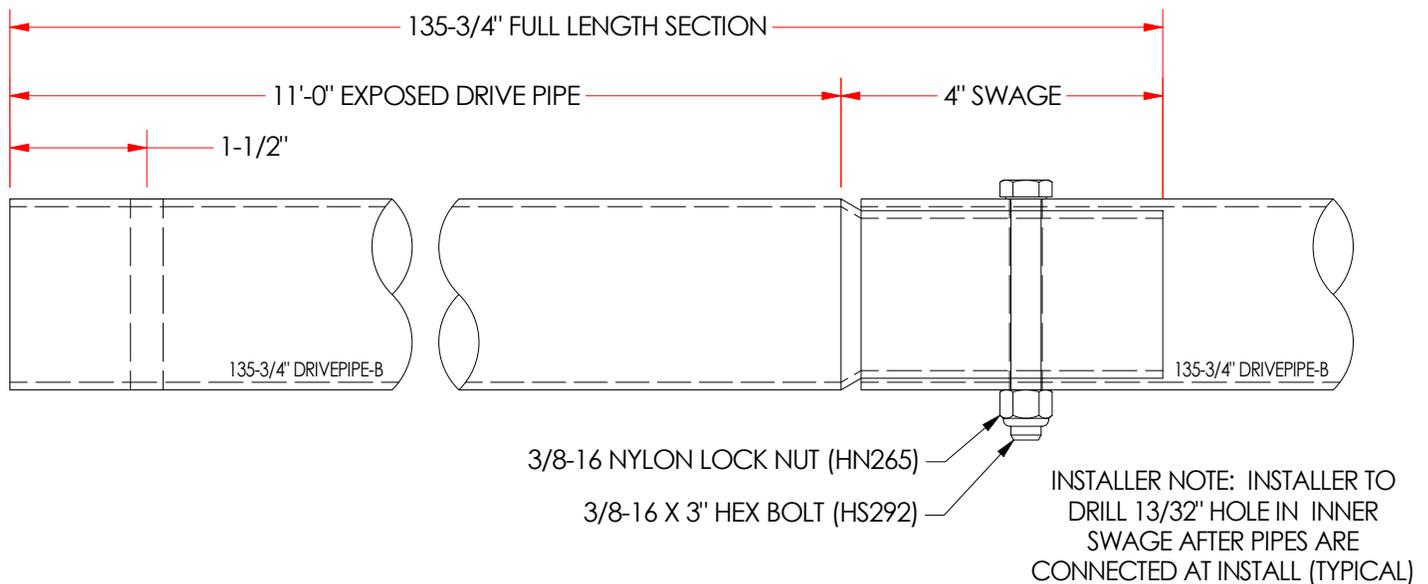


Figure 16: Rendering of Typical Drive Pipe Splice Assembly



Figure 17: Typical Drive Pipe Splice Assembly

INSTALL A PAIR OF CABLE GUIDES ONTO THE DRIVE PIPE:

1. Slip a pair of cable guides on to the drive pipe.
2. Position the cable guides with the large discs next to each other.
3. **DO NOT** tighten these to the drive pipe at this point.

CONTINUE ASSEMBLING DPC / DRIVE PIPE SEGMENTS / SPLICES / CABLE GUIDES FOR THE REMAINING PARTS:

1. Ensure that you are maintaining level drive pipe center line AFF throughout the process.
2. Each remaining DPC-A should be 11'-0" on-center from the last.

VERIFY THAT THE FULLY ASSEMBLED DRIVE PIPE FULLY ASSEMBLED TURNS FREELY ALONG IT'S LENGTH.

SECURE THE DRIVE PIPE TO THE WINCH:

1. Drill through the drive pipe using the holes on the drive pipe collars.
2. Secure with hex bolts (HS5040), washers (HW2044), and nylon lock nuts (HN2951), refer to Figure 8.

CUT ANY EXCESS DRIVE PIPE FROM DRIVE PIPE SEGMENT ONE:

1. Allow for a minimum of 8" exposure before cutting away excess.

TRIM ANY EXCESS THREAD ROD THAT MAY EXIST.



Figure 18: Securing the Drive Pipe to the Winch



POSITION AND SECURE THE CABLE GUIDE PAIRS AND HOIST CABLES (REFER TO FIGURE 19 & 20):

- Each cable guide pair should be located between a drive pipe carrier and a drive pipe splice.
 - **IT IS CRITICAL THAT THE GUIDES BE DIRECTLY ABOVE THE HOIST CABLE LOCATIONS.**
 - THE FIRST GUIDE IS 2' FROM THE FRAME EDGE AND SUBSEQUENT GUIDES ARE 11'-0" C/C.**
- The cable guide pairs should be positioned to allow 2" of space between the discs.
- The 2" space should be centered and is positioned 1' away from the nearest DPC-A.
- Secure the cable guides to the drive pipe by tightening the 5/16" set screws against the drive pipe.
- Pre-wrap a hoist cable with a min of 5 wraps around the drive pipe and pass the top end of the cable through the hole in one side of the cable guide pair. Outside the 2" opening the cable should be secured to itself with the use of a cable clamp making a loop in the cable.
- The cable clamp should be brought tight against the disc and all slack removed from the cable wraps on the drive pipe.
- Align all the wraps together against the disc creating neat rows of cable.
- Secure these rows to the drive pipe by placing duct tape over the rows to prevent them from moving.
- Allow the remaining length of cable to drop to the floor for installation to the frame at a later time.

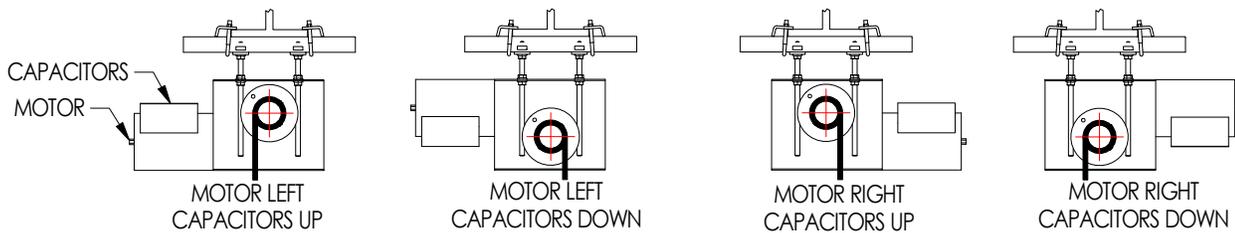


Figure 19: Rendering of Proper Cable Wrapping in Relation to Winch Rotation

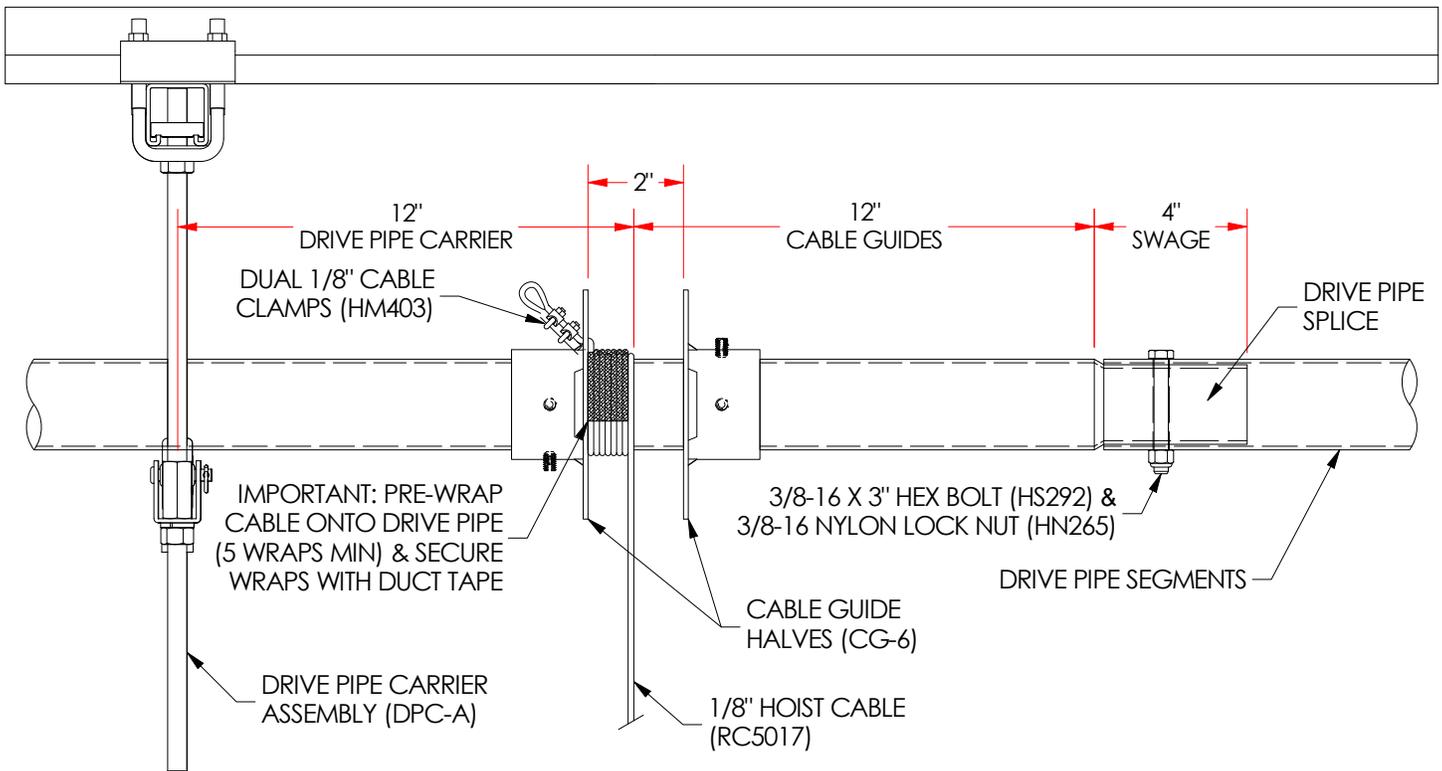


Figure 20: Rendering of Complete DPC-A, Cable Guide, and Splice Assembly



ASSEMBLE THE CAGE FRAME:

1. Protect the floor of the building by inserting wood blocks under all frame segments and fittings. While drilling or screwing frame together, protect the floor where you are working with a scrap piece of plywood. This will protect the floor surface should a drill accidentally slip from it's intended direction.
2. Assemble in final position by aligning the motor reference point to the centerline of the cage on the ground.
3. Assemble all segments loosely until square is established, then screw together the segments.

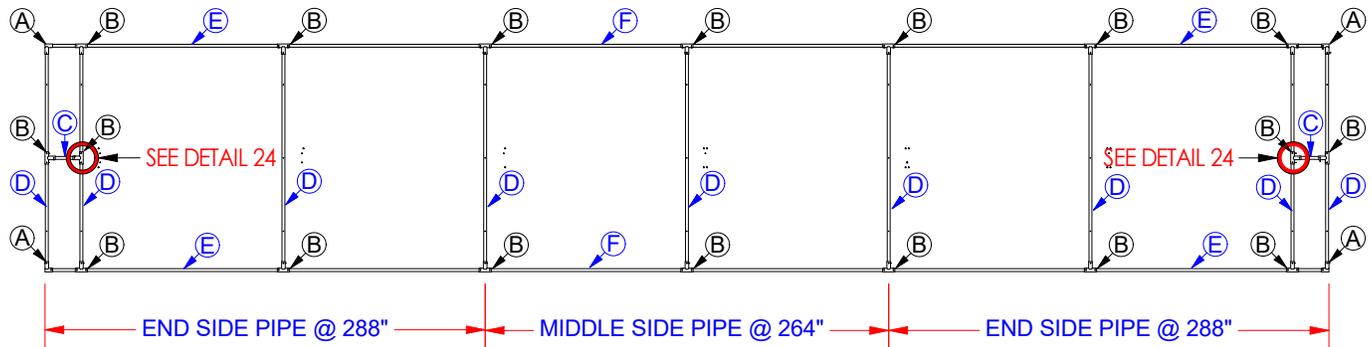


Figure 21: Rendering of Complete Cage Assembly

- A: BBC-EL (QTY = 4)**
- B: BBC-T (QTY = 18)**
- C: 20" INTERMEDIATE PIPE (QTY = 2)**
- D: 144" OR 168" CROSSPIPE (QTY = 9)**
- E: 288" END SIDE PIPE (QTY = 4)**
- F: 264" MIDDLE SIDE PIPE (QTY = 2)**

- Cage is assembled with tees and elbows screwed to pipes with self tapping screws.
- Protect floor when assembling.
- Assemble loosely to ensure cage is square prior to screwing together.
- Check that all burrs have been removed from the inside of the BBC-EL and BBC-T prior to assembly. These fittings should move freely on the pipes.

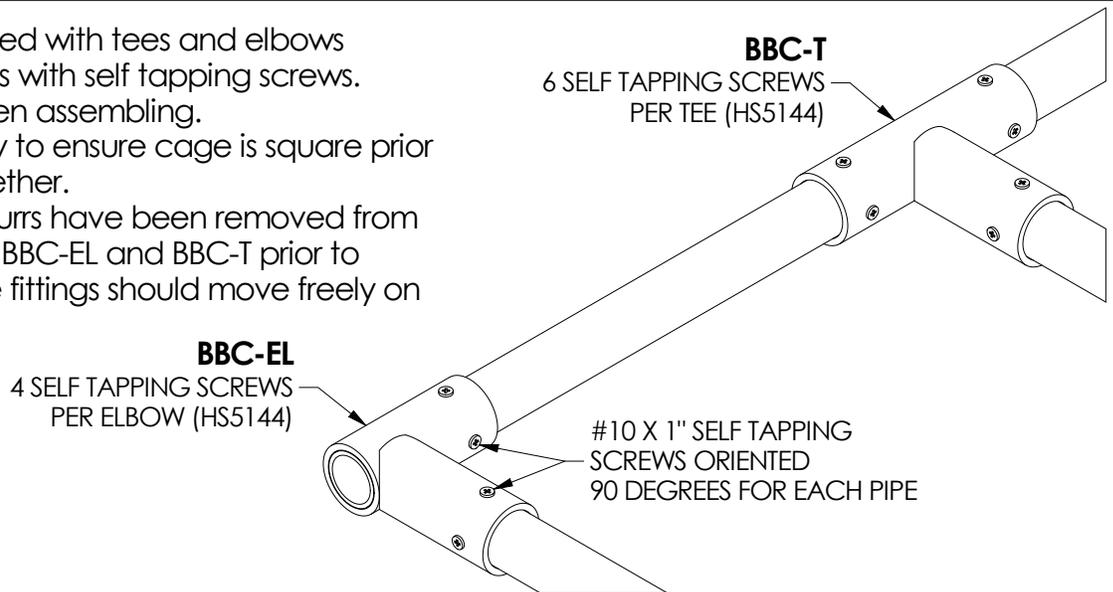


Figure 22: Rendering of Typical BBC-EL and BBC-T Assembly

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SUBJECT TO CHANGES IN DESIGN AND MANUFACTURING

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BBC-700 REV C, RELEASED 5-30-2019

Sheet 19 of 26



ATTACH THE ANCHORING EYE BOLTS TO THE FRAME AND SECURE:

1. There are 21 connection points on the cage.
2. Each connection point is a 3/8" x 5" Eyebolt with washers and a nylon lock nut.
3. **NOTE: You will be required to drill through the tee fitting at the end hoist cable in 2 locations. See Figure 23 for attaching the eyebolt at these locations. Hole must be drilled vertical or cage will sag on the end.**

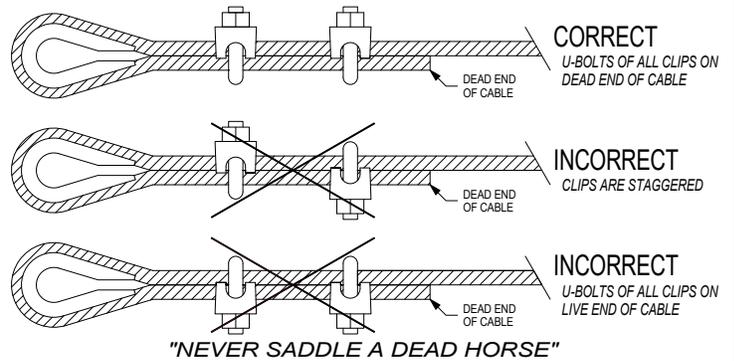


Figure 23: Rendering of Proper Cable Clamp Assembly

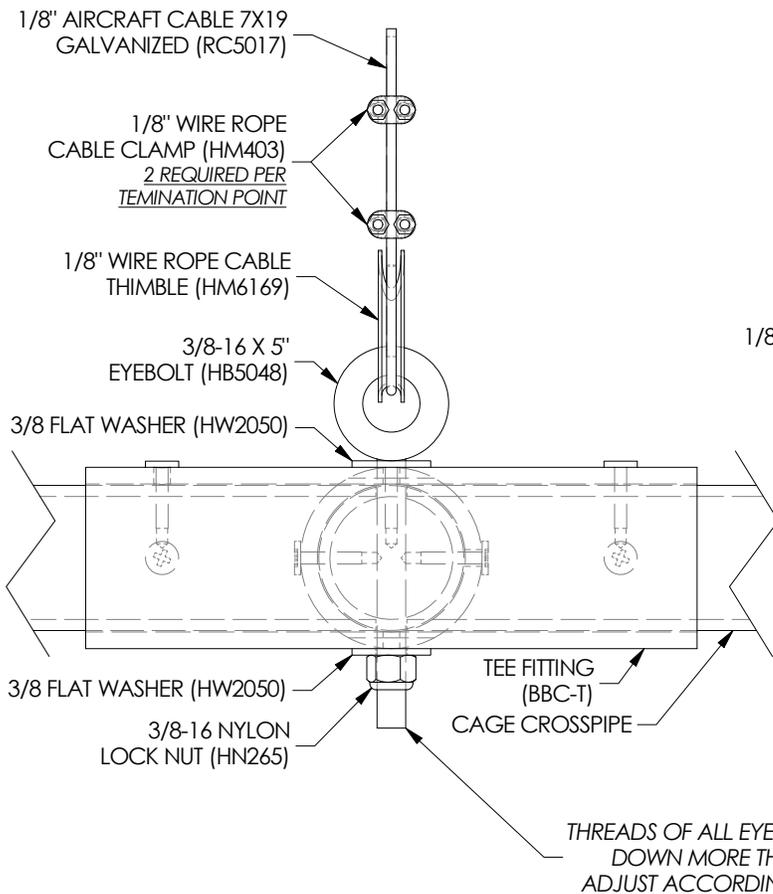


Figure 24: Rendering of Eyebolt Thru Tee Fitting Cable Attachment (2 Locations)

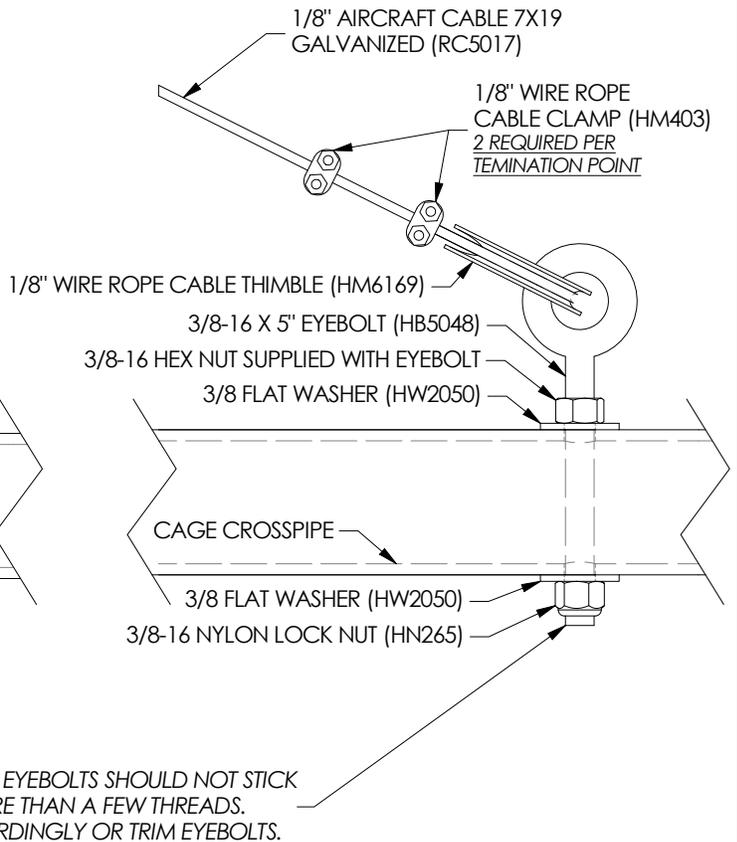


Figure 25: Rendering of Typical Eyebolt Cable Attachment (19 Locations)



ATTACH THE HOIST CABLES TO THE CENTER EYEBOLTS:

1. Terminate the cable to the eyebolt using two cable clamps (HM403).

ATTACH THE STABILIZING CABLES TO THE OUTER EYEBOLTS:

1. Terminate the cable to the eyebolts using two cable clamps (HM403).
2. Verify a constant length of stabilizer cables.

ATTACH THE STABILIZING CABLES TO THE HOIST CABLE:

1. Clamp the two cables together using a single cable clamp at approximately 24" up the main hoist cable.
2. Once assembled, verify cage is level to the ground and make adjustments where needed.

AFTER FINAL ADJUSTMENTS ARE COMPLETED, TRIM AND TAPE FREE END OF CABLES AT ALL 21 LOCATIONS.

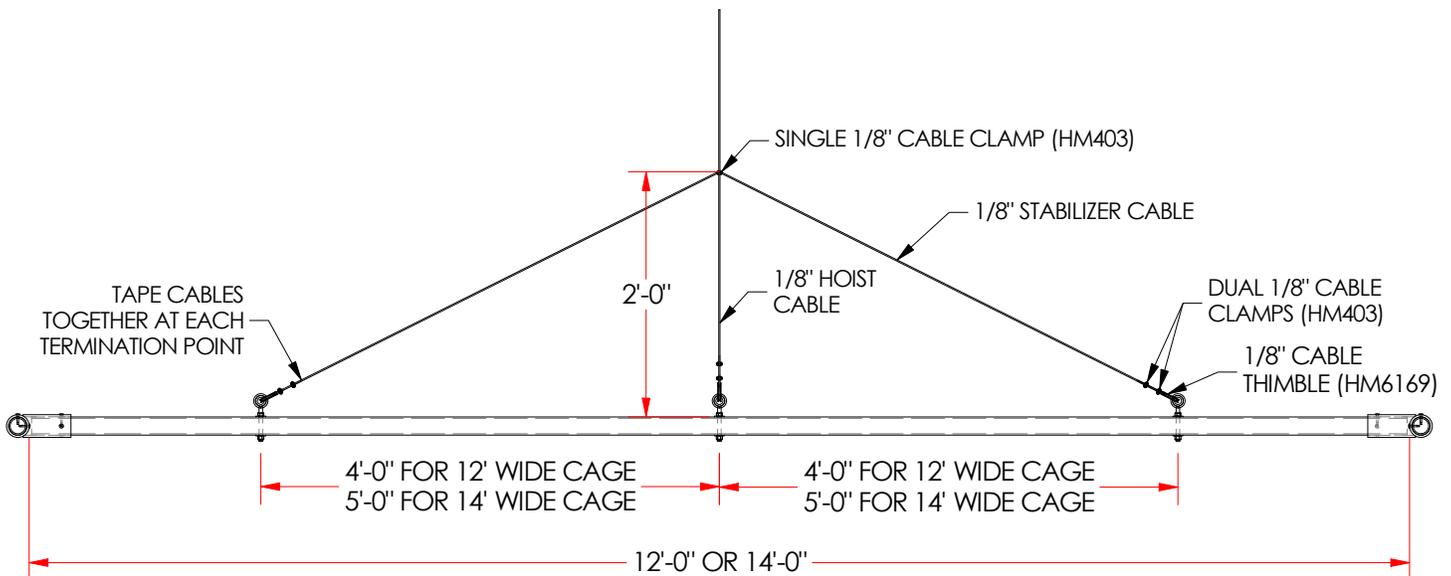


Figure 26: Rendering of Hoist and Stabilizing Cable Assembly



ELECTRIFY THE WINCH:

1. A licensed electrician should perform the final electrical hook ups.

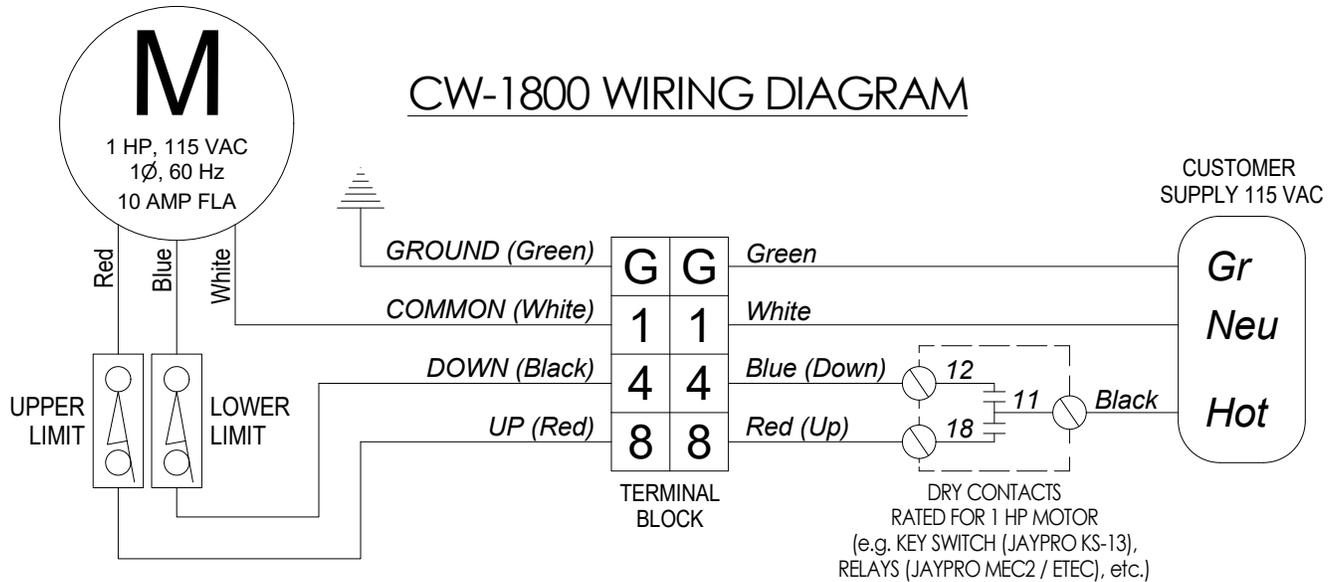


Figure 27: Winch (CW-1800) Wiring Diagram for Key Switch (KS-13) Operation

ELECTRICAL NOTES:

- Circuit breaker rating: 20 amp
- Fused circuit rating: 20 amp
- Size of wall masonry box required for single key switch (KS-13): 2" W x 3-3/4" H x 2-1/2" D. Location of box must be within full view of batting cage.
- Proper motor performance is based on 115 volts at the motor terminals; Gauge wire accordingly. Voltages of less than 115 volts could damage the motor and will void the warranty.
- All wires, wiring, conduit and device boxes shall be supplied by the electrical contractor. Do not gang the neutral wires. The electrical contractor shall wire to all national and local codes and ground properly.

HOIST THE CAGE FRAME OFF THE GROUND TO APPROXIMATELY 4-1/2' TO 5' ABOVE FINISHED FLOOR.



ATTACH THE NET TO THE FRAME WITH THE SUPPLIED VELCRO:

1. Two sided hook and loop velcro tape is provided in a roll.
2. Cut the tape into 9" strips to secure the net to the frame.
 - Supplied roll of NW0048 3/4" X 25 YDS Velcro will yield 100 pieces at 9" long
3. The 9" tape section is wrapped around the frame pipe and through the net and secured to itself.
4. Strips should be placed as shown below **along the sides AND cross members** of the cage frame. As shown, 100 pieces will be needed.

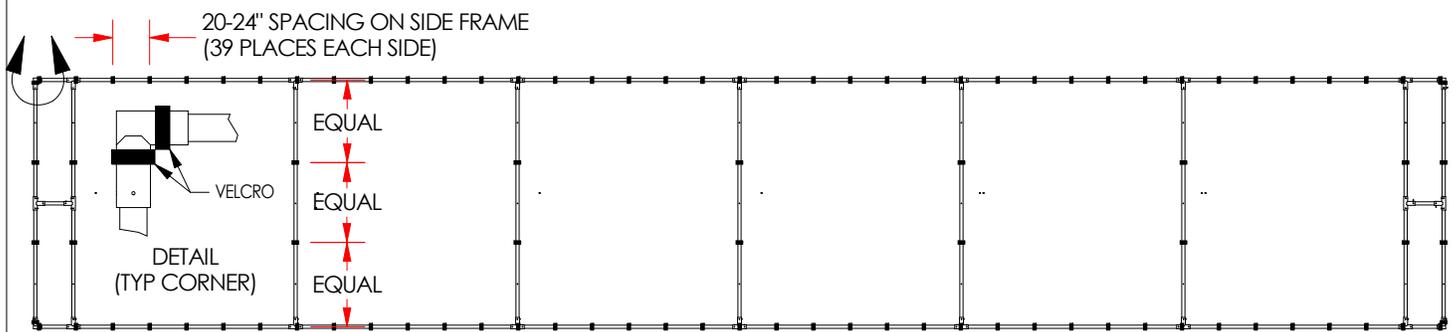


Figure 28: Rendering of Suggested Velcro Strap Locations

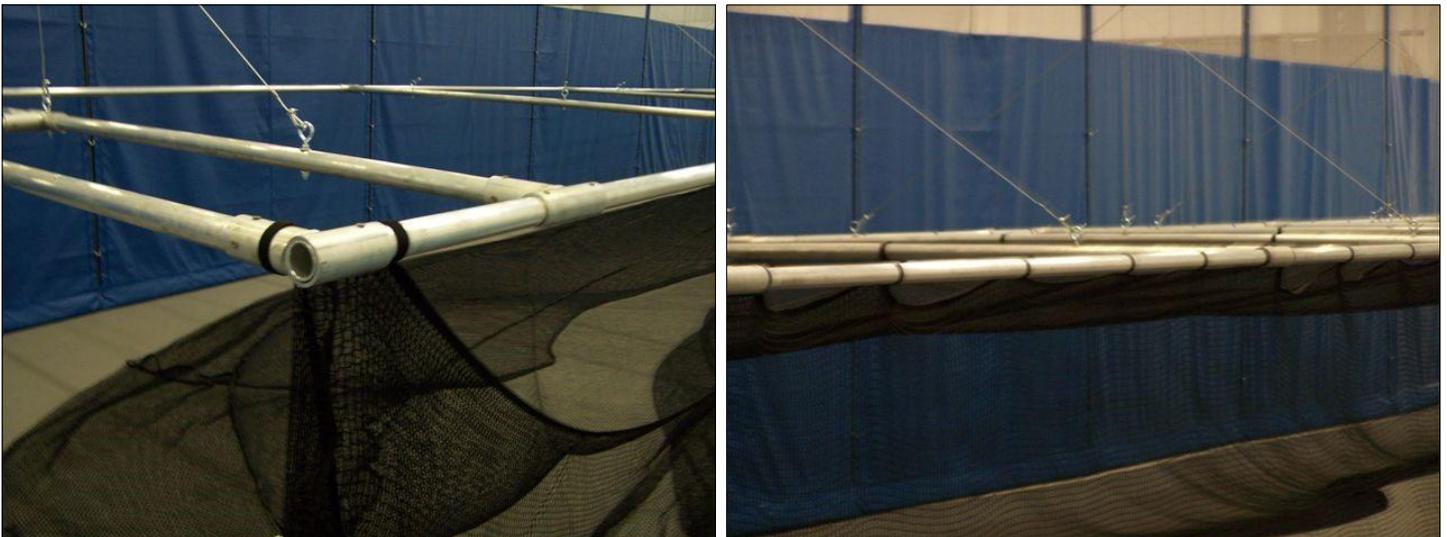


Figure 29: Velcro Strap Installation



ROLL THE NET ONTO THE TOP OF THE FRAME.

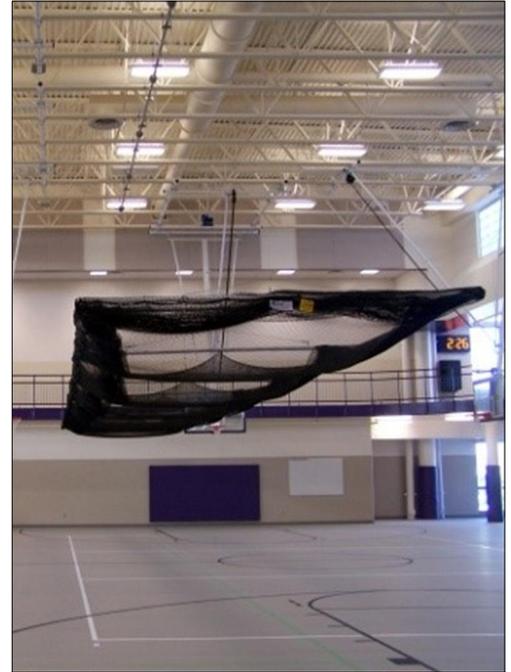


Figure 30: Illustration of Net in Storage Position

HOIST THE FRAME AND NET TO THE CEILING.

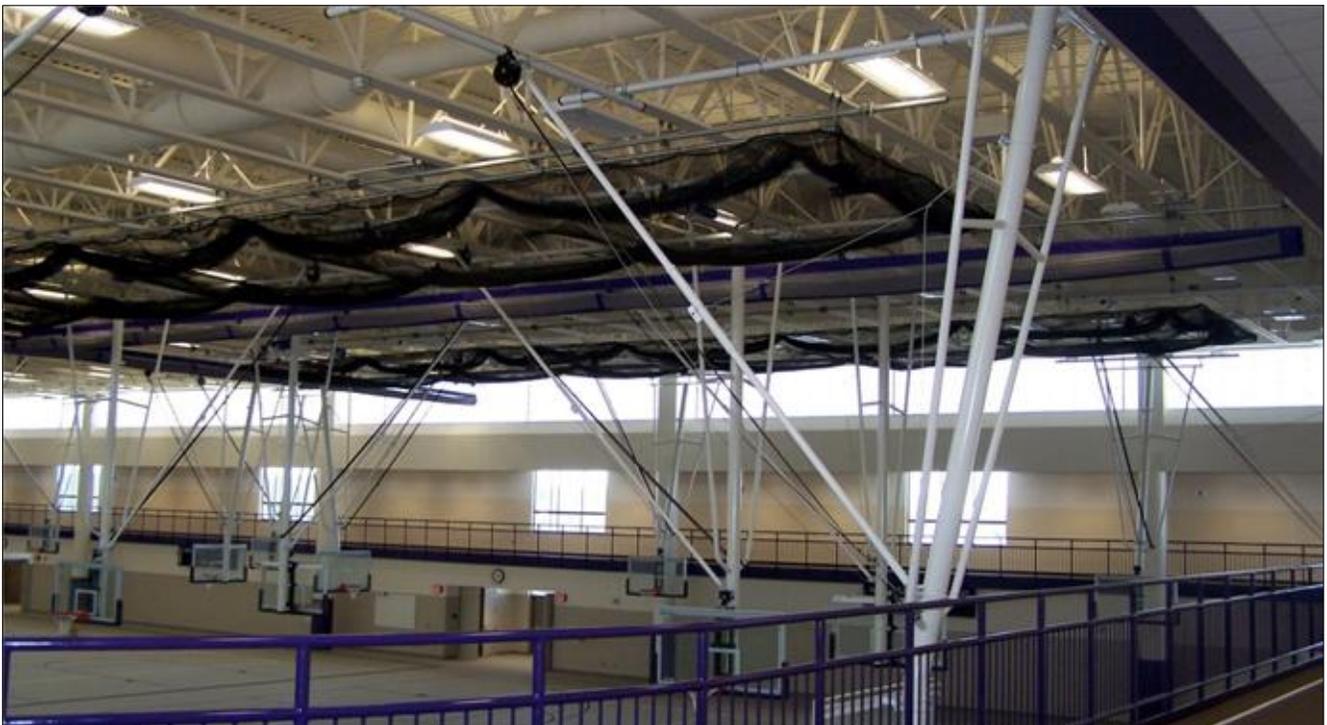


Figure 31: Illustration of Cage System in Storage Position



SET THE UPPER LIMIT SWITCH OF THE WINCH:

1. It is recommended that the upper limit be set with a margin of safety. The highest cable clamp on the hoist cable should come to rest between 8 to 12" below the drive pipe.

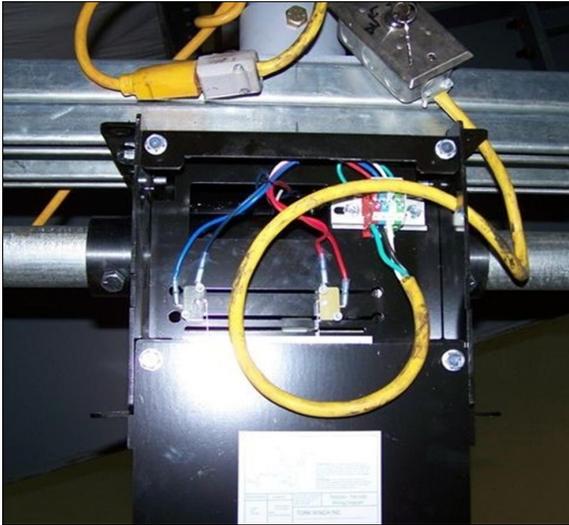


Figure 32: Set Winch Upper Limit

LOWER THE FRAME AND ESTABLISH AN ADJUSTED LOWER LIMIT APPROXIMATELY 3' AFF.



Figure 33: Set Winch Lower Limit

UNROLL THE NET FROM THE TOP OF THE FRAME TO HANG FREELY.

RAISE THE FRAME TO 11' AFF:

1. This should leave approximately 1' of net on the ground, which is desirable.

IF EQUIPPED, INSTALL A TARGET TO THE BATTERS END OF THE NET:

1. Remove target prior to hoisting.



JAYPRO BATTING CAGE SYSTEM

INSTALLATION RECORD

INSTALLER: PLEASE PROVIDE THE FOLLOWING INFORMATION AND FAX A COPY TO (860) 440-0628.

INSTALLER NAME: _____
 PHONE #: _____
 DATE: _____

G.C. NAME: _____
 PHONE #: _____

FACILITY NAME: _____
(IN WHICH THIS BATTING CAGE WAS INSTALLED)

ADDRESS: _____

CONTACT NAME: _____
(PERSON WHO RECEIVED KEYS FOR THE SYSTEM OR OTHER FACILITY REPRESENTATIVE)

PHONE #: _____

Call Jaypro Sports Equipment at 1-800-243-0533 during regular business hours for any technical support questions or issues. Refer to Cage Model Number listed above when talking to customer service personnel.

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