



-- BBTFSM-55 / BBTFSM-70 --
(SURFACE MOUNT ECONOMY BATTING TUNNEL)
Installation Instructions

BBTFSM-55 → 55 FT OUTDOOR SURFACE MOUNT BATTING TUNNEL.
BBTFSM-70 → 70 FT OUTDOOR SURFACE MOUNT BATTING TUNNEL.



Call Jaypro Sports Equipment at 1-800-243-0533
during regular business hours for technical support.

www.jaypro.com

JAYPRO SPORTS

OUTDOOR SURFACE MOUNT BATTING TUNNEL FRAMES 55 FT / 70 FT LONG CAGE

ITEM	PART #	DESCRIPTION	BBTFSM-55	BBTFSM-70
1	BBTW-ASM	SURFACE MOUNT UPRIGHT	8	10
2	BBTF-B	WICKET FRAME CROSSBAR	4	5
3	HM6275	3/8"-16 TURNBUCKLE, JAW TO JAW	3	3
4	HM5013	STEEL SPRING CLIPS	9	12
5	HB5048	3/8"-16 x 3" LONG THREADED EYEBOLT, ZP	12	15
6	HW2050	3/8" FLAT WASHER, ZP	24	30
7	HM218	3/16" CABLE CLAMP	12	12
8	HM251	3/16" THIMBLE	6	6
9	HS2663	#12-14 SELF-DRILLING SCREW, ZP	20	24
10	RC5012	3/16" GALV. CABLE x 61' / 76'	3	3
11	RP5013	8 1/2" ZIP TIES HEAVY DUTY	200	300
12	HN265	3/8"-16 NYLON LOCK HEX NUT, ZP	12	15
13	HB5094	1/2"-13 x 12" HEX HEAD BOLT, ZP	32	40
14	HN2951	1/2"-13 NYLON LOCK HEX NUT, ZP	32	40
15	HW2044	1/2" FLAT WASHER	32	40

IMPORTANT NOTICE:

- 1) BEFORE EACH USE CHECK EQUIPMENT FOR PROPER CONNECTING HARDWARE AND STRUCTURAL INTEGRITY. REPLACE DAMAGED OR MISSING HARDWARE IMMEDIATELY.
- 2) USE OF THIS EQUIPMENT OTHER THAN INTENDED, MAY BE HAZARDOUS.
- 3) ALTERATION OR MODIFICATION OF THIS EQUIPMENT MAY BE HAZARDOUS AND RESULT IN INJURY. FOR REPAIR OR REPLACEMENT, CONTACT YOUR DEALER OR JAYPRO SPORTS.
- 4) CAUTION: DO NOT OVER TIGHT THE CABLES, AS THE END FRAMES WILL UNDERGO EXTREME BENDING - SOME AMOUNT OF SAG WITHIN THE NET IS EXPECTED.

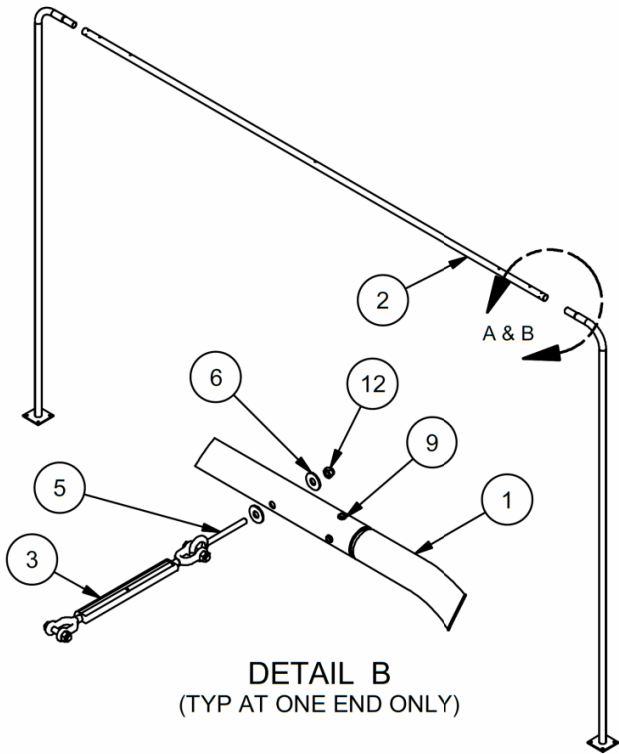
ASSEMBLY INSTRUCTIONS

TOOLS REQUIRED:

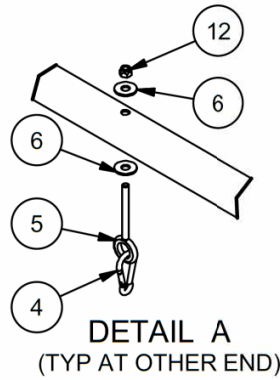
- (1) 7/16" Nut Driver
- (1) 5/16" Nut Driver
- (1) 9/16" Box Wrench
- (1) Electric drill w/ Phillips head
- (1 or 2) 12 FT Stepladder(s)

- Unpack all parts and check against parts list to ensure that all have been included.
- Inspect all parts for damage. Report any damages to the trucking company.

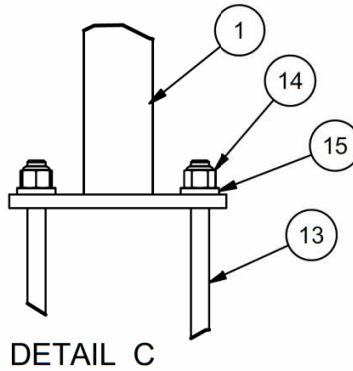
REV	DESCRIPTION	DATE	BY
-	INITIAL RELEASE	1/12/2012	Moune T.



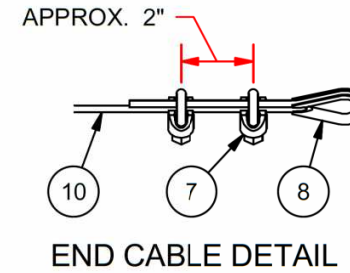
DETAIL B
(TYP AT ONE END ONLY)



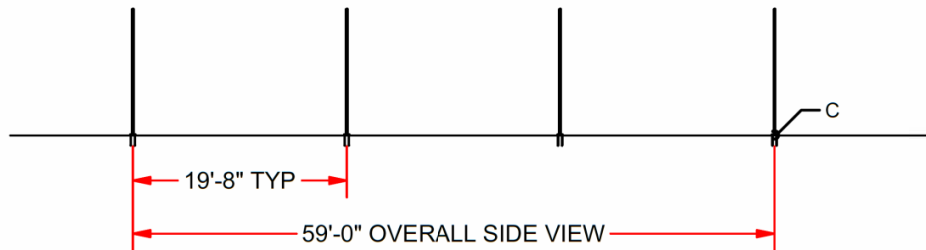
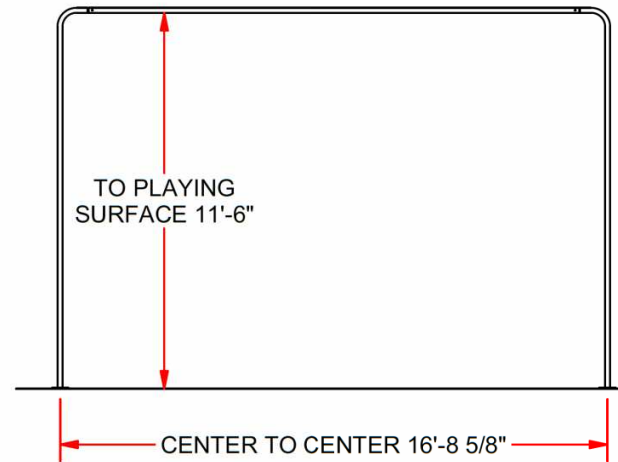
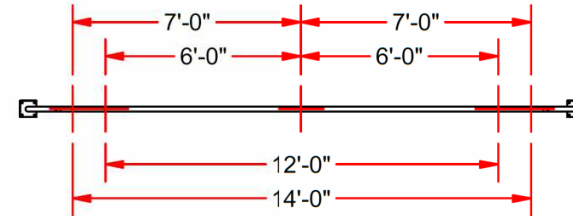
DETAIL A
(TYP AT OTHER END)



DETAIL C



END CABLE DETAIL

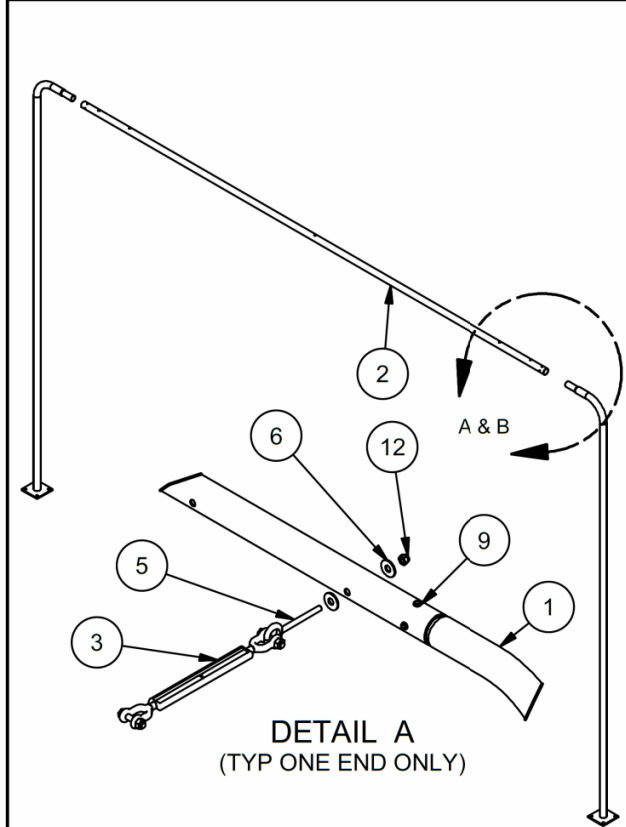


8	6	HM251	N/A	3/16" THIMBLE	1	8	BBTW-ASM	-	SURFACE MOUNT UPRIGHT
9	20	HS2663	N/A	#12-14 SELF-DRILLING SCREW, ZP	2	4	BBTF-B	-	WICKET FRAME CROSSBAR
10	3	RC5012	N/A	3/16" GALV. CABLE x 61'	3	3	HM6275	N/A	3/8"-16 TURNBUCKLE, JAW TO JAW
11	200	RP5013	N/A	8 1/2" ZIP TIES HEAVY DUTY	4	9	HM5013	N/A	STEEL SPRING CLIPS
12	12	HN265	N/A	3/8"-16 NYLON LOCK HEX NUT, ZP	5	12	HB5048	N/A	3/8"-16 x 3" LONG THREADED EYEBOLT, ZP
13	32	HB5094	N/A	1/2"-13 x 12" HEX HD BOLT, ZP					
14	32	HN2951	N/A	1/2"-13 NYLON LOCK HEX NUT, ZP	6	24	HW2050	N/A	3/8" FLAT WASHER, ZP
15	32	HW2044	N/A	1/2" FLAT WASHER	7	12	HM218	N/A	3/16" CABLE CLAMP
ITEM	QTY	PART #	REV	DESCRIPTION	ITEM	QTY	PART #	REV	DESCRIPTION

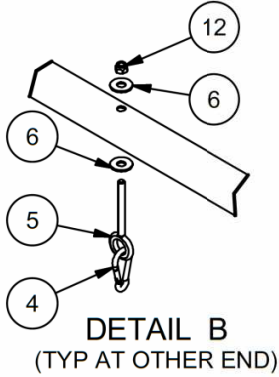


MODEL NUMBER: BBTFSM-55	CHECKED BY: WVB	
PRODUCT NAME: OUTDOOR SURFACE MOUNT BATTING TUNNEL FRAMES 55 FT LONG CAGE		
DATE: 1/12/2012	REV: -	DRAWN BY: Moune T.

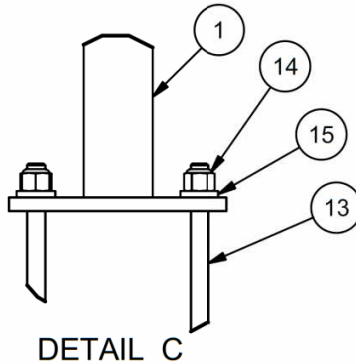
REV	DESCRIPTION	DATE	BY
-	INITIAL RELEASE	1/12/2012	Moune T.



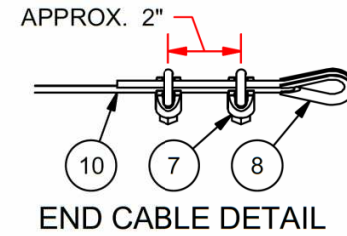
DETAIL A
(TYP ONE END ONLY)



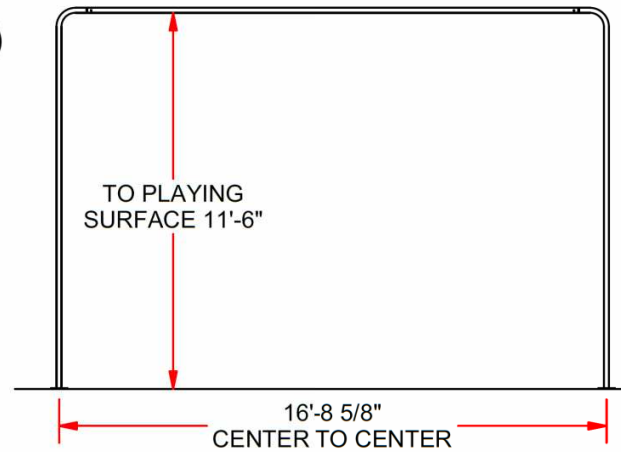
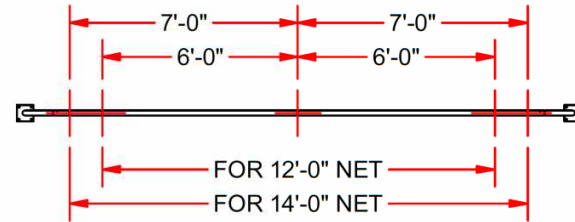
DETAIL B
(TYP AT OTHER END)



DETAIL C



END CABLE DETAIL



8	6	HM251	N/A	3/16" THIMBLE	1	10	BBTW-ASM	-	SURFACE MOUNT UPRIGHT
9	24	HS2663	N/A	#12-14 SELF-DRILLING SCREW, ZP	2	5	BBTF-B	-	WICKET FRAME CROSSBAR
10	3	RC5012	N/A	3/16" GALV. CABLE x 76'	3	3	HM6275	N/A	3/8"-16 TURNBUCKLE, JAW TO JAW
11	300	RP5013	N/A	8 1/2" ZIP TIES HEAVY DUTY	4	12	HM5013	N/A	STEEL SPRING CLIPS
12	15	HN265	N/A	3/8"-16 NYLON LOCK HEX NUT, ZP	5	15	HB5048	N/A	3/8"-16 x 3" LONG THREADED EYEBOLT, ZP
13	40	HB5094	N/A	1/2"-13 x 12" HEX HD BOLT, ZP					
14	40	HN2951	N/A	1/2"-13 NYLON LOCK HEX NUT, ZP	6	30	HW2050	N/A	3/8" FLAT WASHER, ZP
15	40	HW2044	N/A	1/2" FLAT WASHER	7	12	HM218	N/A	3/16" CABLE CLAMP
ITEM	QTY	PART #	REV	DESCRIPTION	ITEM	QTY	PART #	REV	DESCRIPTION



MODEL NUMBER: BBTFSM-70	CHECKED BY: WVB	
PRODUCT NAME: OUTDOOR SURFACE MOUNT BATTING TUNNEL FRAMES 70 FT LONG CAGE		
DATE: 1/12/2012	REV: -	DRAWN BY: Moune T.

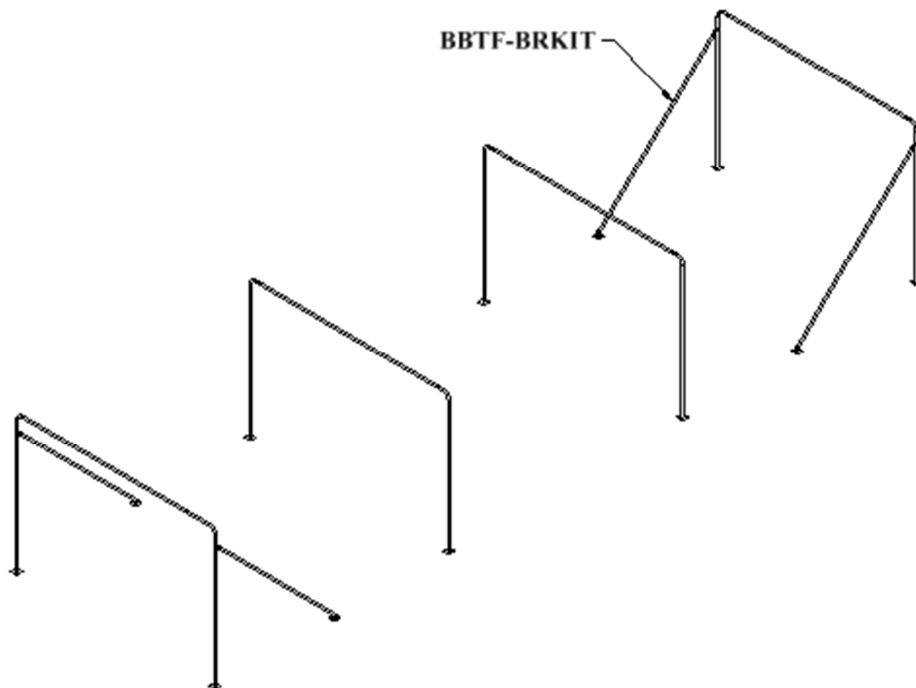
OPTIONAL BASEBALL TUNNEL FRAME KIT SURFACE MOUNTED KIT



P/N: BBTF-BRKIT

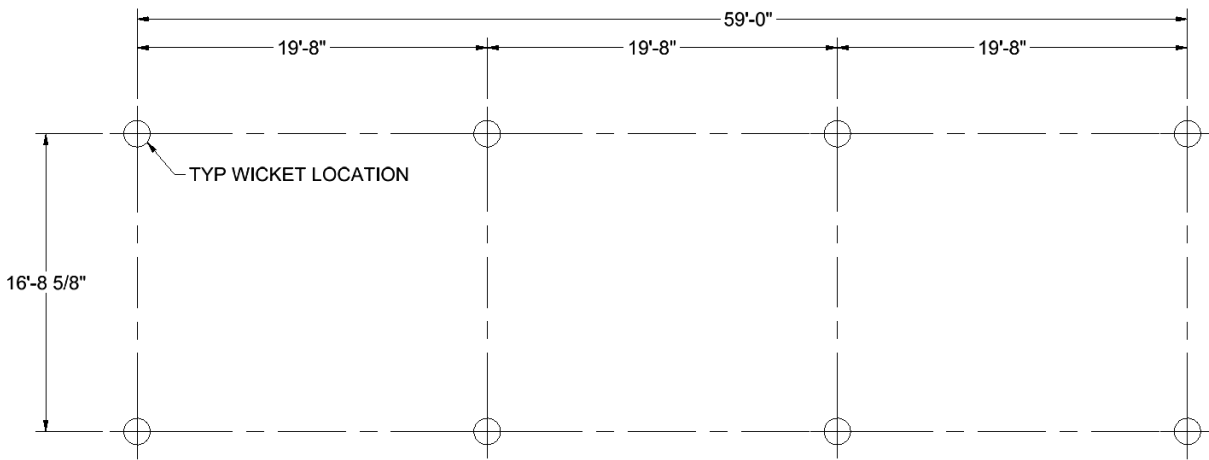
(PHOTO MAY VARY FROM ACTUAL PRODUCT)

Provides added support to prevent end frames from bowing in due to cable tension.

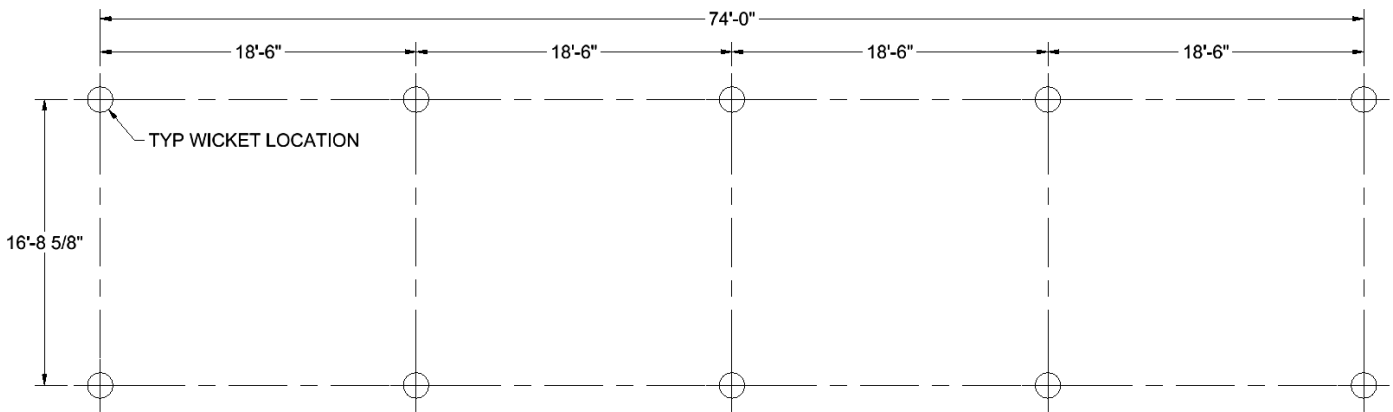


SITE PREP:

1. Select a site for the tunnel frame that is flat and clear of obstructions. The ground should be level and free of debris. The area required for a BBTF-55 is 60 ft x 18 ft. The area required for a BBTFD-70 frame is 75 ft x 18 ft.
2. Layout the ground sleeves as shown in Figure 1. (Note: the BBTF-55 frame is designed for a 55 ft long net, and the BBTF-70 is designed for a 70 ft long net. If frame is being installed for a different length net, the overall length of the frame should be 4 ft longer than the net.)



BBTFSM-55



BBTFSM-70

FIGURE: 1 – FRAME LAYOUT

FOOTING:

1. Dig footing holes and install the ground sleeves as shown in Figure 2. Allow the concrete to cure.

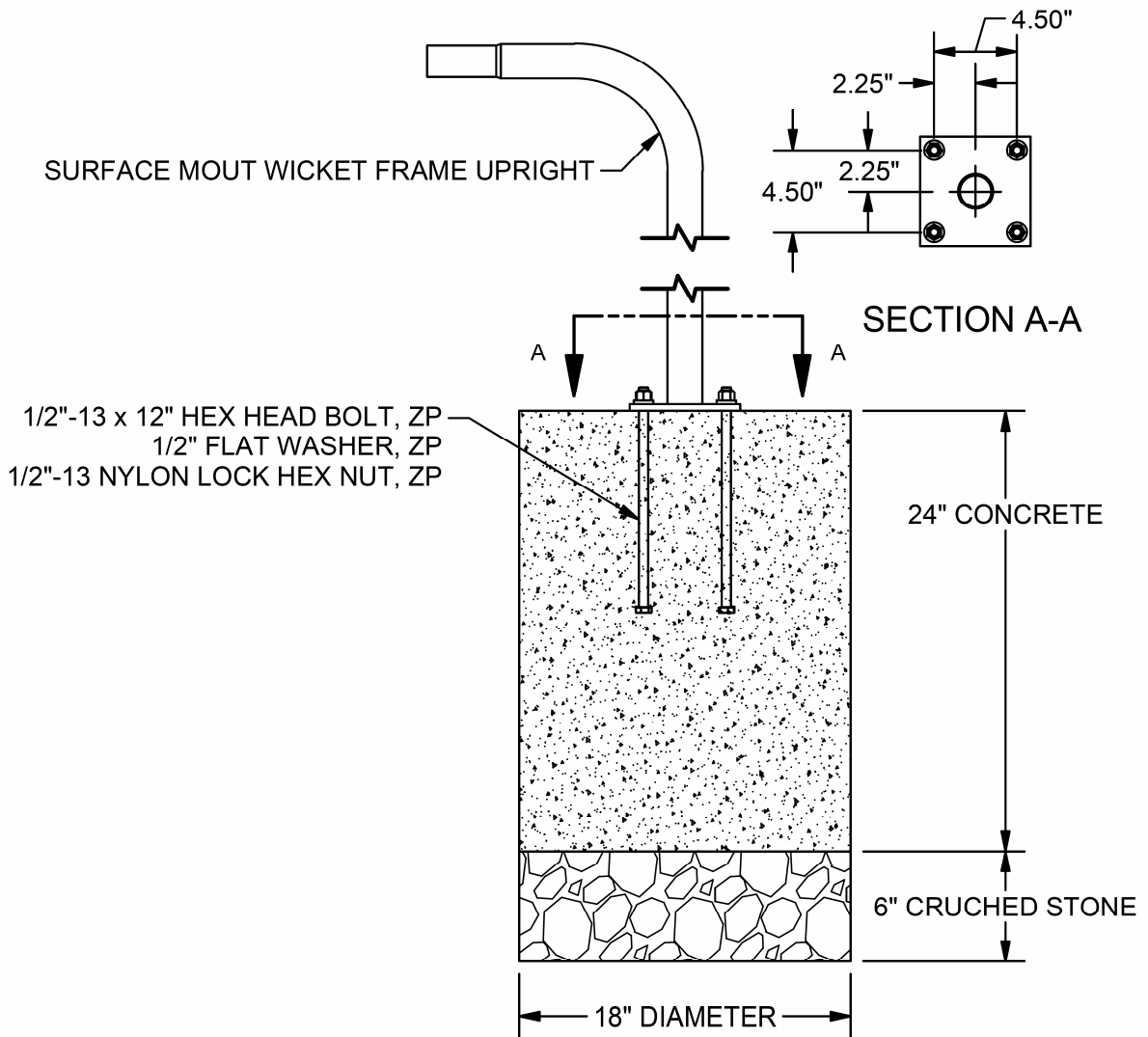


FIGURE: 2 – FOOTING DETAIL

WICKET ASSEMBLY:

- 1) Assemble frames on a flat level surface, as shown in Figure 3-A. Each frame consists of two uprights (#1) and one crossbar (#2). Secure frame sections using the self-drilling screws (#9). Note: The holes in the two end crossbars should be horizontally oriented, but the remaining crossbars should have the holes oriented vertically. Refer to Figure 3-B.
- 2) Install three eyebolts (#5) in each frame, as shown in Figure 4. Space the outer eyebolts at either 12 ft or 14 ft apart, depending on the width of the net. Note: the eyebolts will be pointing down on the center frames once the frames are installed. On all except one of the end frames, attach one spring clip (#4) on each of the eyebolts.
- 3) Make up one end of each of the three cables, as shown in Figure 5. Tighten the cable clamps using a 7/16" nut driver.
- 4) Make up the other end of each cable leaving the cable clamps hand tight, as the overall length may need to be adjusted.

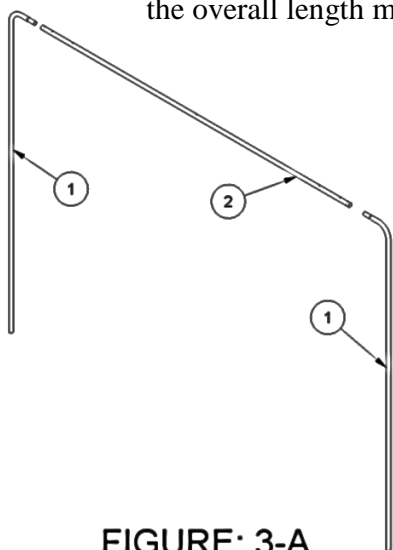


FIGURE: 3-A

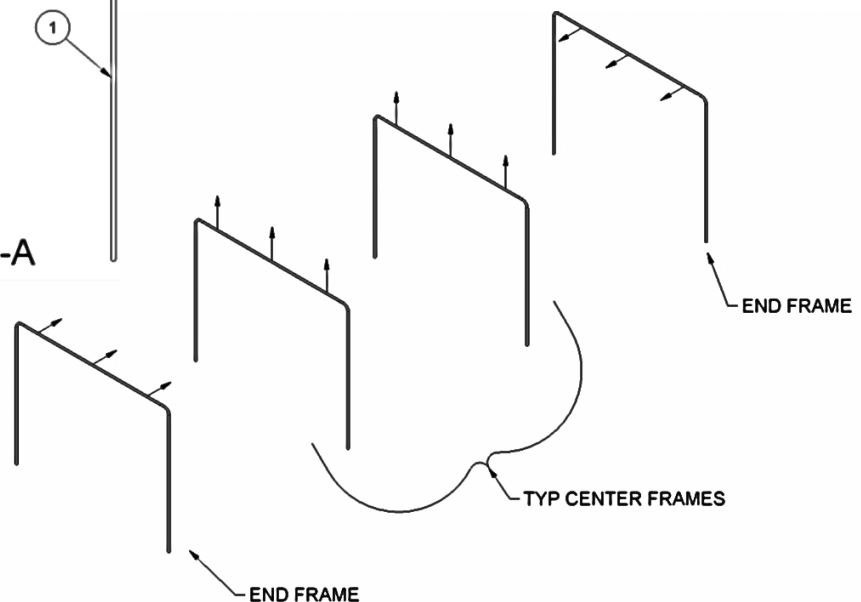


FIGURE: 3-B

WICKET ASSEMBLY: *(CONTINUE)*

- 1) Using two people lift and insert each frame into an associated pair of sleeves.
- 2) Roll out net under the frame, spreading it out flat. Center the net inside the frame.
- 3) Lay the three cables over top of the net, one over each edge and along the middle. Extend the end of each cable, with the tightened cable clamps, about 6" from the edge to the net.
- 4) Attach the cables to net using the plastic zip ties, placed every 12".
- 5) Extend the turnbuckles and attach one turnbuckle to each cable end, as shown in Figure 6.
- 6) At the other end, adjust the length of each cable so the thimble is about 12" from the end of the net.
- 7) Using a stepladder(s) attach each of the three turnbuckles to eyebolts in the end frame.
- 8) Working towards the other end, raise and attach the net and cable to each of the outer eyebolts using the spring clips (#4).
- 9) Attach the end of each of the outer cables to the eyebolts in the end frame.
- 10) Working from inside the net, lift and attach the center cable and net to each of the frames.
- 11) Center the net on the frame and tighten the turnbuckles. Tie off the ends of the net to the eyebolts.

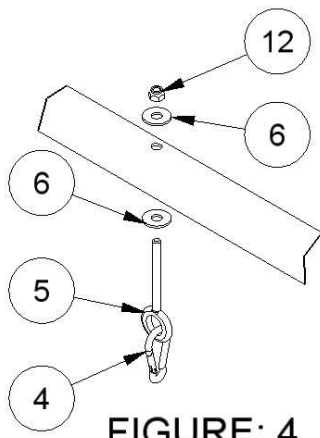
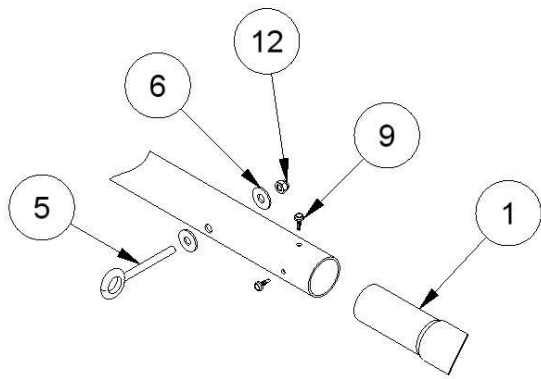


FIGURE: 4

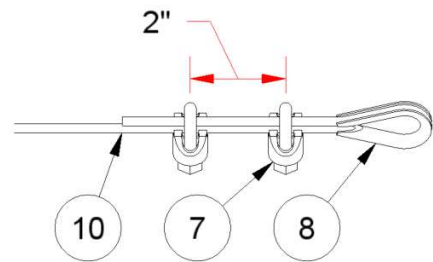


FIGURE: 5 - END CABLE DETAIL

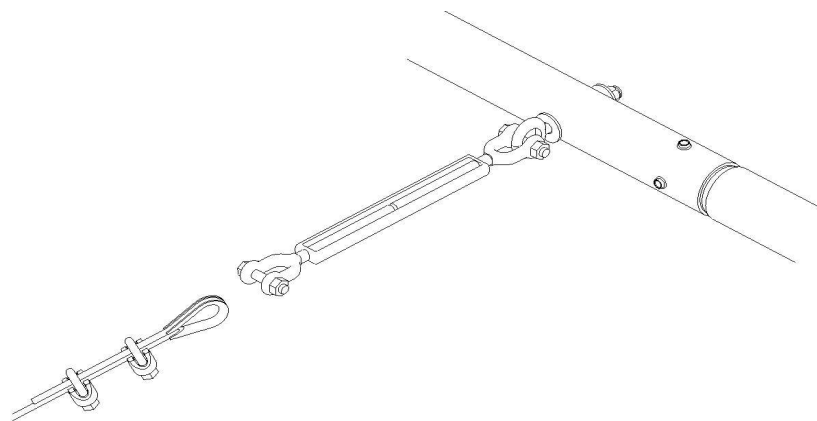


FIGURE: 6

Caution: Do not over tight the cables, as the end frames will undergo extreme bending - some amount of sag within the net is expected.