

# 30' x 30' ETS Master Series Tent User's Manual

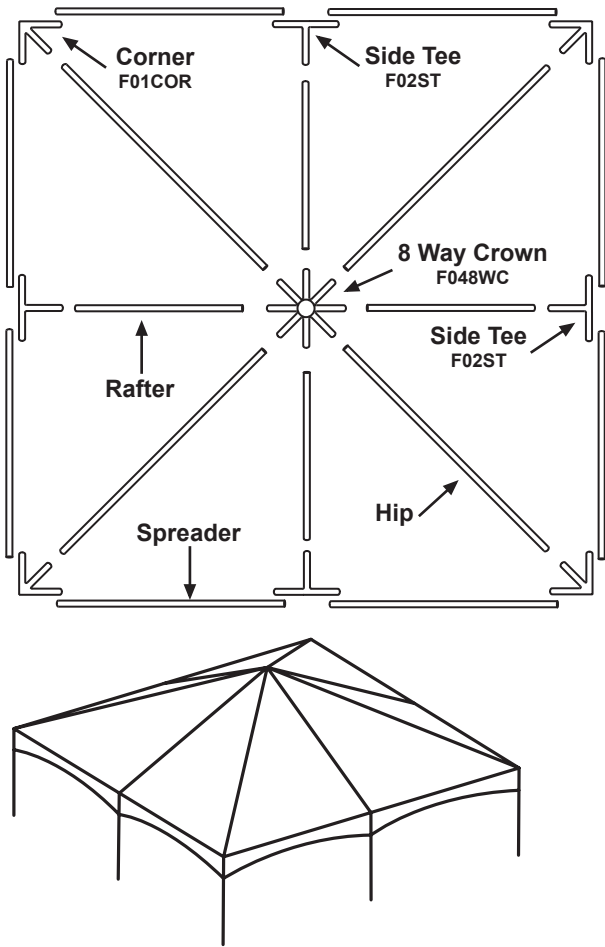


**A world leader in manufacturing of engineered fabric products and distribution of event equipment.**



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# 30' x 30' ETS Master Series Frame Tent Directions



Master Series Poles			
Description	Size	Color	Qty.
Rafter	21'10.5"	Red	4
Hip Rafter	16'1"	Green	4
Spreader	14'4"	Red	8
Legs	6'8"(7'8")	Brown (Black)	8

Master Series Fittings	
Description	Qty.
Corner	4
Side Tee	4
8 Way Crown	1
Master Style Base Plates	8
Adj. Double Tube Brace	9
Master Series Style Base Plate	8
Square Pin & Bail	21
Bolt & Wingnut	37
4 Point Cable Assembly	1
Master Series Ratchet Buckles	8
Stakes / Anchors	8

1. A minimum of 4 people and 2 frame tent jacks are recommended for the proper installation of this tent. Refer to the parts list at the top of the diagram to make sure you received all parts required for proper installation of this tent.
2. The layout begins with the frame parts being laid out on the ground in the approximate location that they will be when the frame is assembled. The perimeter parts are laid out to form the perimeter, and the roof support parts are placed in the interior in their general locations. Laying out the parts in this way facilitates the assembly. (See Diagram)
3. Begin with the 8 way crown. Lay the crown on a flat surface to determine the correct placement, when the crown is on a flat surface the angles that are not touching the ground (every other one) will correlate with the 4 corners (we will call these angles 'A'). Attach the double tube hip rafters (21'10.5" red) to the 8 way crown at angle 'A' (MAKE SURE THE ROUND PART OF THE DOUBLE TUBE SLIDES OVER THE FITTING AND IS INSTALLED SO IT IS ABOVE THE "U" SHAPED PART OF THE TUBE) by sliding the pole over the fitting and lining up the holes in the pole with those in the fitting. Place a bolt and wing nut in the first hole to secure the pole in place (install bolt so that the wing nut is pointed towards the ground to prevent the bolt from puncturing the tent top during installation). Repeat at all four corners. Make sure the pin is positioned so it will not touch the tent top fabric.
4. Attach the double tube rafters (16'1" green) to the remaining angles of the 8 way crown using the same technique as in step 2. You should now have tubes coming off the 8 way crown in all directions.



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- 5.** Attach the adjustable double tube brace connecting the 2 double tube rafters (16'1" green) located directly under the 8 way crown. Place the brace on the double tube rafter by aligning the holes in the rafter with that of the brace, attach the brace to the rafters using a SQUARE pin and bail. **THE BRACE SHOULD BE INSTALLED SO THAT THE CABLE BRACKETS ON THE SQUARE BRACE ARE POINTING TOWARDS THE GROUND.** Also, secure the brace by placing a SQUARE pin and bail in the adjustment slot located in the center of the brace. The brace adjustment should be adjusted to its longest position for this particular application.
- 6.** Attach the two shorter cables (3 ft) that are attached to the "O" ring of the 4 point cable assembly to the brackets on the brace just below the 8 way crown fitting. Secure the cables to the brace using the carabiner clips that are attached to the cable assembly.
- 7.** Attach the corner fitting to the other end of the double tube hip rafters by sliding the pole over the fitting. Line up the hole of the pole with those of the fitting and secure with a bolt and wing nut (wing nut on bottom side of the tube facing the ground).
- 8.** Attach the side tee fittings to the rafters by sliding the pole over the fitting. Line up the hole of the pole with those of the fittings and secure with a bolt and wing nut (wing nut on bottom side of the tube facing the ground).
- 9.** Attach the remaining ends of the 4 point cable assembly to the rings located on the side tee. Secure the cables using the carabiner clips that are attached to the cable assembly.
- 10.** Now, the perimeter is ready for assembly. Connect the side tees to the corners using the single tube spreaders (14'4" red). Slide the poles over the fittings; line up the holes, and pin the pole and fitting together with the round pin and bail. Make sure the flat part of the pin is up and the pin is pointed toward the ground to prevent puncturing the tent top during installation. Also the round wire on the pin and bail should face the interior of the tent; this will prevent the wire from rubbing a hole in the valance of the tent. When all of the spreaders have been secured in place, the frame will be complete.
- 11.** Place the tent top over the frame, by spreading the tent out on one end and draping the tent top over the assembled frame. Position tent top so it is equidistant from frame on all 4 sides.
- 12.** Attach a loop end strap to all four corners (and side tees if applicable). Wrap the strap around the fitting, pull the flat end through the loop and tighten around the fitting. These straps will be used to secure the tent with the ratchet buckles and straps attached to the tent stakes around the perimeter of the tent.
- 13.** Attach the Master Sereis style base plates to the double tube legs by sliding the leg (6'8" brown / 7'8" black) over the longer tube on the base plate and securing it with a bolt and wing nut. Install the base plate with the hook side towards the exterior of the tent and with the stem of the master base plate sliding into the round part of the double tube, with the "U" shaped part of the tube facing the interior of the tent.
- 14.** Using the frame tent jacks start on 1 side and lift the frame so that the top of the double tube leg (6'8" brown / 7'8" black) can slide into the top corner and side tee fittings positioning the leg so that the hook on the base plate is facing out. This will allow the "D ring" on the ratchet assembly to easily fit onto the base plate hook feature molded on the small tube.
- 15.** Once 1 side is completed, use the frame tent jacks to lift the opposite side and install the corner and side legs the same as the 1st side. After this side is completed, install the remaining side legs.

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**16.** Attach the “D ring” to the hook assemblies on each base plate and feed the end of top strap attached to the tent top through the ratchet buckle and secure loosely. Cinch the ratchet straps together in a uniform manner until the tent top is taut over the frame.

**17.** Once all legs are installed angle an adjustable double tube brace between each double tube leg and rafter by lining up the holes on the rafter and brace. Also install braces between each double tube leg and hip rafter by lining up the holes on the rafter and brace. Attach the brace to each tube using a SQUARE pin and bail. Use a SQUARE pin and bail in the center adjustment to secure the brace (at the corners the brace will be adjusted to the shortest position, at the side tees the brace will be in the middle position).

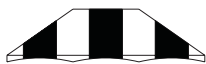
**18.** The tent should be anchored down using traditional methods, incorporating the loop end straps attached to the corner/side fittings and a ratchet buckle strap attached to stakes positioned 5' outside of the tent footprint. A double head tent stake should also be anchored through the smaller tube on the base plate for additional stability.

**19.** The tent top should now be complete! If sidewalls are desired, unroll the sidewalls between the stakes and the side poles around the perimeter of the tent. Starting at a side pole, clip the sidewall snap hooks to the rope line that is attached to the tent top (you may have to loosen the ratchets from the tent top in order to slide the sidewall up).

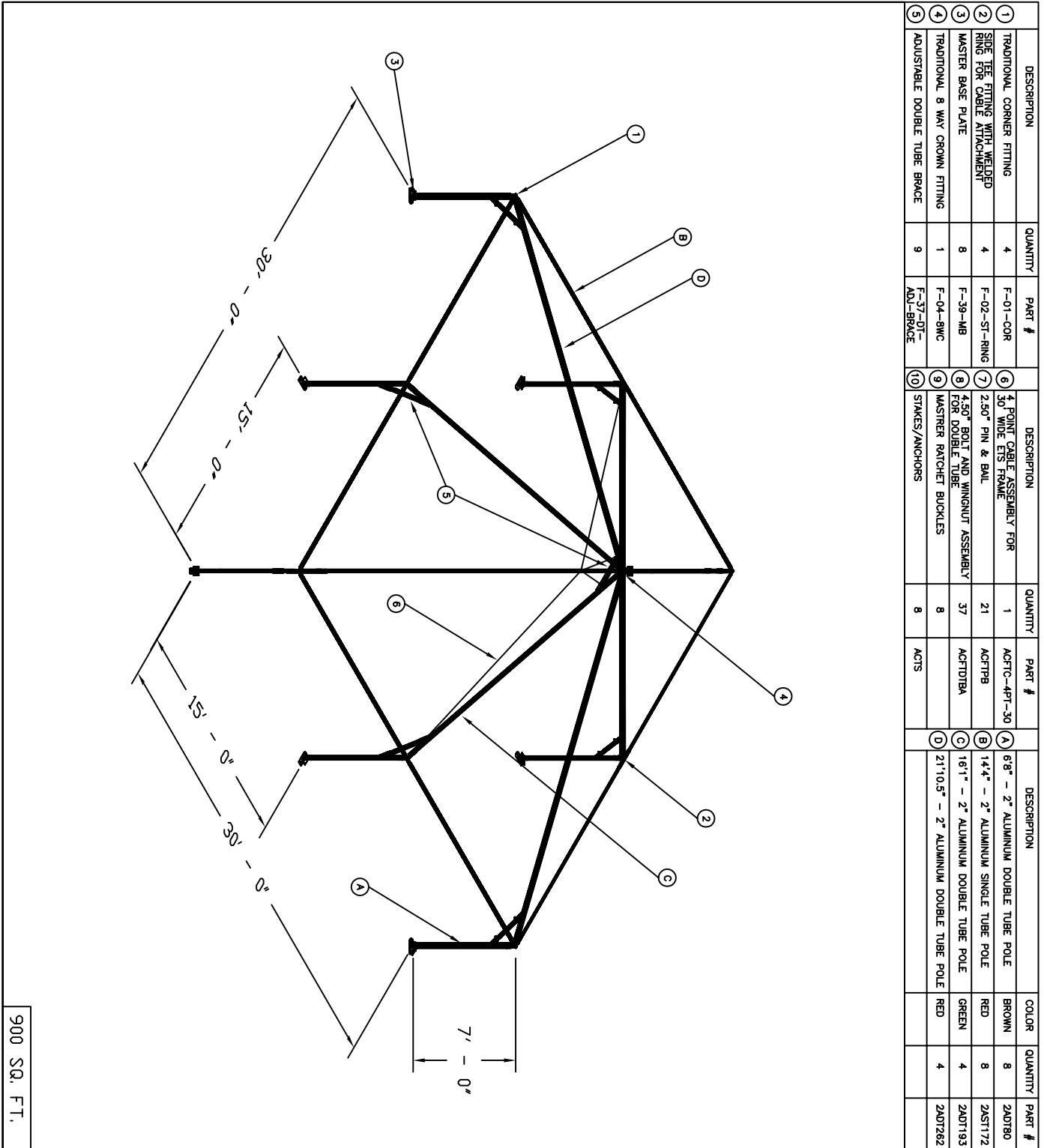
## Why two sets of holes in frame fittings?

Two holes are located in each protrusion of almost every frame tent fitting. The first hole (furthest from the center of the fitting) is for the pin that holds the pole in place. The second pin (located closest to the center of the fitting) is an alignment hole. When a pin is placed in this alignment hole, it prevents the frame pole from moving to far.

1. Insert the pin in the hole closest to the center of the fitting (alignment hole).
2. Slide the pole on the protrusion until it meets the pin.
3. Rotate the pole until the holes on the pole and fitting is aligned properly.
4. Insert the pin through the pole and fitting.
5. Remove the first pin (the alignment pin).



# 30' x 30' ETS Master Frame Tent Directions



DESCRIPTION	QUANTITY	PART #	DESCRIPTION	QUANTITY	PART #	DESCRIPTION	COLOR	QUANTITY	PART #
1 TRADITIONAL CORNER FITTING	4	F-01-COR	6 1 FOOT CABLE ASSEMBLY FOR 30' WIDE ETS FRAME	1	ACTC-4PT-30	A 6'6" - 2" ALUMINUM DOUBLE TUBE POLE	BROWN	8	2A0780
2 SIDE TEE FITTING WITH WELDED RING FOR CABLE ATTACHMENT	4	F-02-ST-RING	7 2.50" PIN & BALL	21	ACTPB	B 14'4" - 2" ALUMINUM SINGLE TUBE POLE	RED	8	2A07172
3 MASTER BASE PLATE	8	F-39-MB	8 4.50" BOLT AND WINGNUT ASSEMBLY FOR DOUBLE TUBE	37	ACTDTBA	C 16'1" - 2" ALUMINUM DOUBLE TUBE POLE	GREEN	4	2A07193
4 TRADITIONAL 8 WAY CROWN FITTING	1	F-04-BWC	9 MASTER RATCHET BUCKLES	8		D 21'10.5" - 2" ALUMINUM DOUBLE TUBE POLE	RED	4	2A07282
5 ADJUSTABLE DOUBLE TUBE BRACE	9	F-37-DT-ADJ-BRACE	10 STAKES/ANCHORS	8	ACTS				

900 SQ. FT.

30' x 30' MASTER ETS FRAME

FIELD INSTALLATION PRINT



**CELINA TENT**

PART NUMBER: KITMSET03003007

CREATED BY: LK

DATE: 6-22-10

REVISION # 0

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