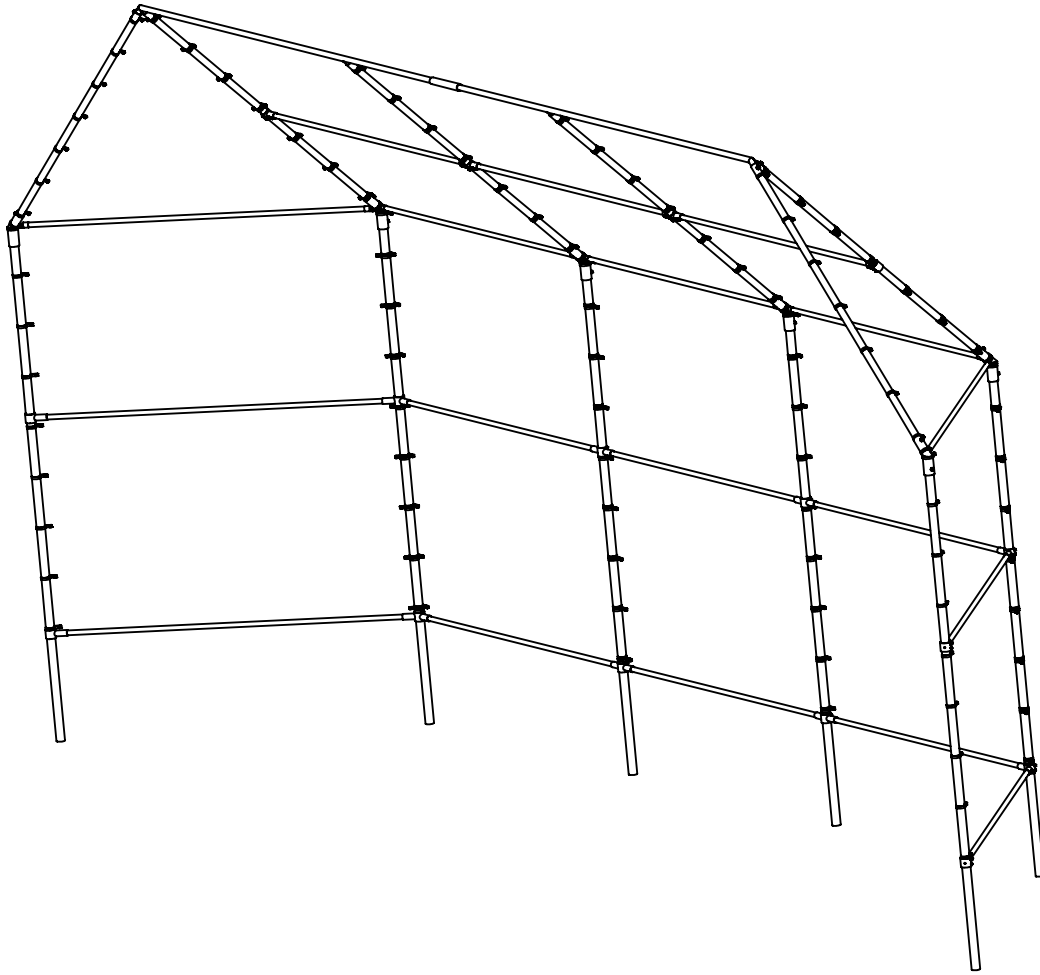


ECONOMY BACKSTOP

MODEL #1234-00 Permanent Hooded Backstop.



Specifications:

General: A heavy duty, all galvanized steel backstop shipped unassembled with all parts and instructions necessary for quick assembly. Model 1234-00 is permanent. .

Materials: All pipe is galvanized steel. Sizes given are outside diameter. Exposed ends are capped.

<u>Description:</u>	<u>Size</u>
Vertical Posts	2 7/8"
Horizontal Rails	1-5/8"
Bottom Horizontal Rails	1-5/8"
Top Hood Rails	1-7/8"
RCP	2"x 12"



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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ASA-500-12AD-A1	12AD-A1 FITTING ASSEMBLY	2
2	ASA-501-12AD-A2	12AD-A2 FITTING ASSEMBLY	2
3	ASA-0501-1234-G	HOOD ANGLE ϕ 2 3/8" ASSEMBLY	6
4	ASA-0503-1234-R-G	HOOD CROWN RIGHT ASSEMBLY	1
5	ASA-0504-1234-L-G	HOOD CROWN LEFT ASSEMBLY	1
6	ASA-0505-1234-G	CENTER JOINT SLEEVE ASSEMBLY	1
7	ASA-0512-12AD-B1-G	12AD-B1 FITTING	4
8	ASA-0512-12AD-B2-G	12AD-B2 FITTING	4
9	ASA-0513-12AD-B3-G	12AD-B3 FITTING	4
10	ASA-0514-12EL-B1-G	12EL-B1 FITTING	6
11	RT-0009-1234-122.50-G	STIFFENER 1.625 DIA.	4
12	RT-0010-1234-115.25-G	STIFFENER 1.625 DIA.	6
13	RT-0011-1234-119.125-G	STIFFENER 1.625 DIA.	2
14	RT-0012-1234-113-G	STIFFENER 1.625 DIA.	3
15	RT-0013-1234-116.375-G	STIFFENER 1.625 DIA.	3
16	RT-0018-1234-179.75-G	LEG POST 3 1/2"DIA.	6
17	VCIBB278	2 7/8" BRACE BAND	10
18	VCIRAILEND158	1 5/8 ID RAIL END	10
19	VCITEN238	2 3/8" TENSION BAND	70
20	VCITEN278	2 7/8" TENSION BAND	80
21	VCITEN35	3 1/2" TENSION BAND	10
22	HWCB5161	5/16-18 X 1 CARRIAGE BOLT GRADE 2 ZINC	170
23	HWFLWA516	5/16 FLAT WASH	170
24	HWLN516	5/16 NYLOK NUT ZINC	170
25	HWSC3858	3/8 X 5/8 SET SCREW ZINC	86
26	HWSC581	5/8-11 X 1 SET SCREW CUP PT ZINC (BACKSTOP)	19
27	HWDS141	1/4 X 1 ROUND HD U-DRIVE SCREWS ZINC 4000	30
28	VCITIEWIRE	TIE DOWN WIRE 10 1/2" X 12GA WITH HOOK	8 lbs
29	10' TENSION BAR	10' x 3/4" TENSION BAR (120")	8
30	12' TENSION BAR	12' x 3/4" TENSION BAR (142")	12
31	RMMESHGA21110	2" x 11GA X 10' (120") GAL MESH KK	60
32	RMMESHGA2912	2" X 9 GA X 12' (144") KK GAL MESH	60



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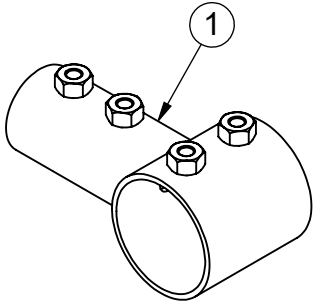
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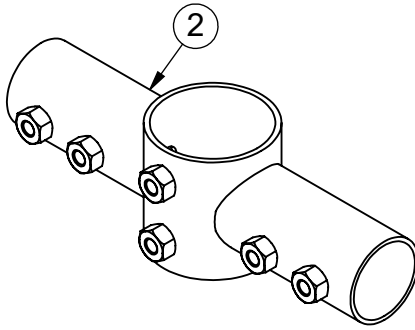
INSTALLATION INSTRUCTIONS:

1) Check materials received with the BOM to make sure that all components are included and to assure that the unit is complete.

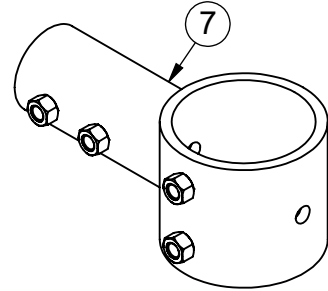
Fittings by Item Numbers



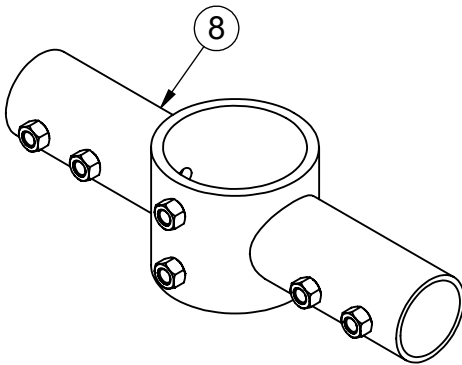
12AD-A1



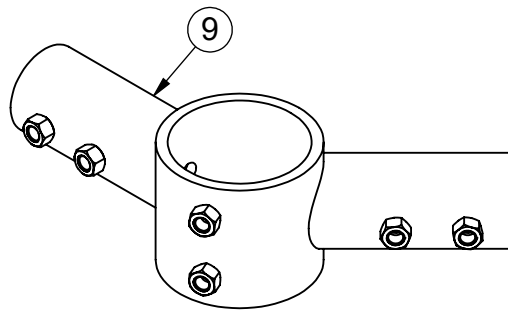
12AD-A2



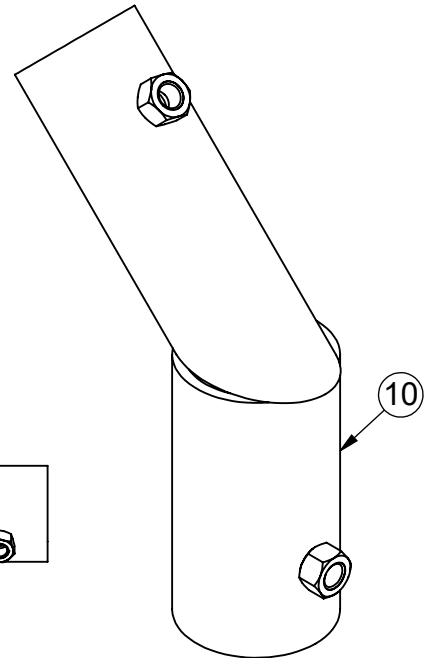
12AD-B1



12AD-B2



12AD-B3



12EL-B1



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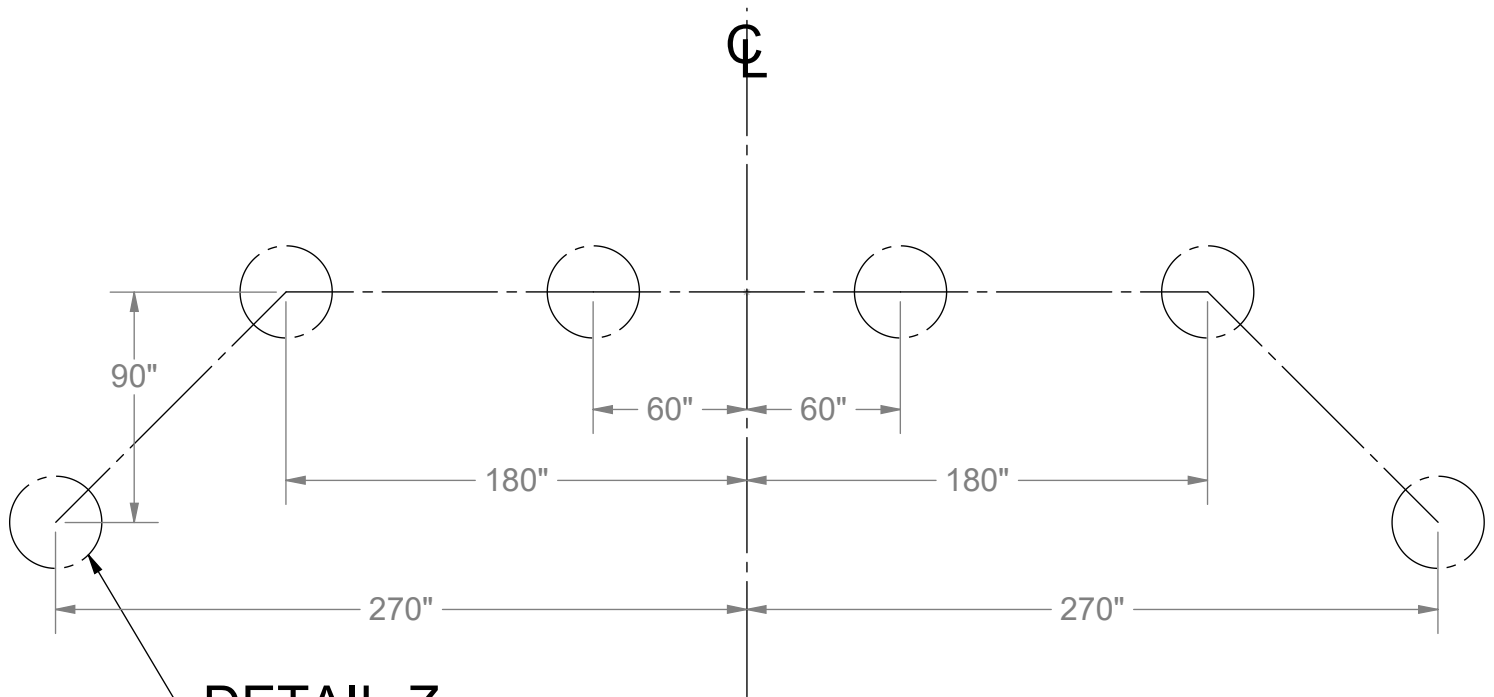
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INSTALLATION INSTRUCTIONS:

2) Determine location of backstop so the rear panel is perpendicular to a line running from 2nd base through home plate & so the wings are parallel with the sides of the diamond.

3. Dig holes according to Footing Plan below & Footing Detail on sheet #5. Start with an end post & center the post in the hole so it rests on the block. Adjust block height as necessary to achieve proper post height. Plumb & brace in position. Repeat the same procedure for the rest of the Vertical Post.



DETAIL-Z
SHOWN ON
SHEET #5

FOOTING PLAN



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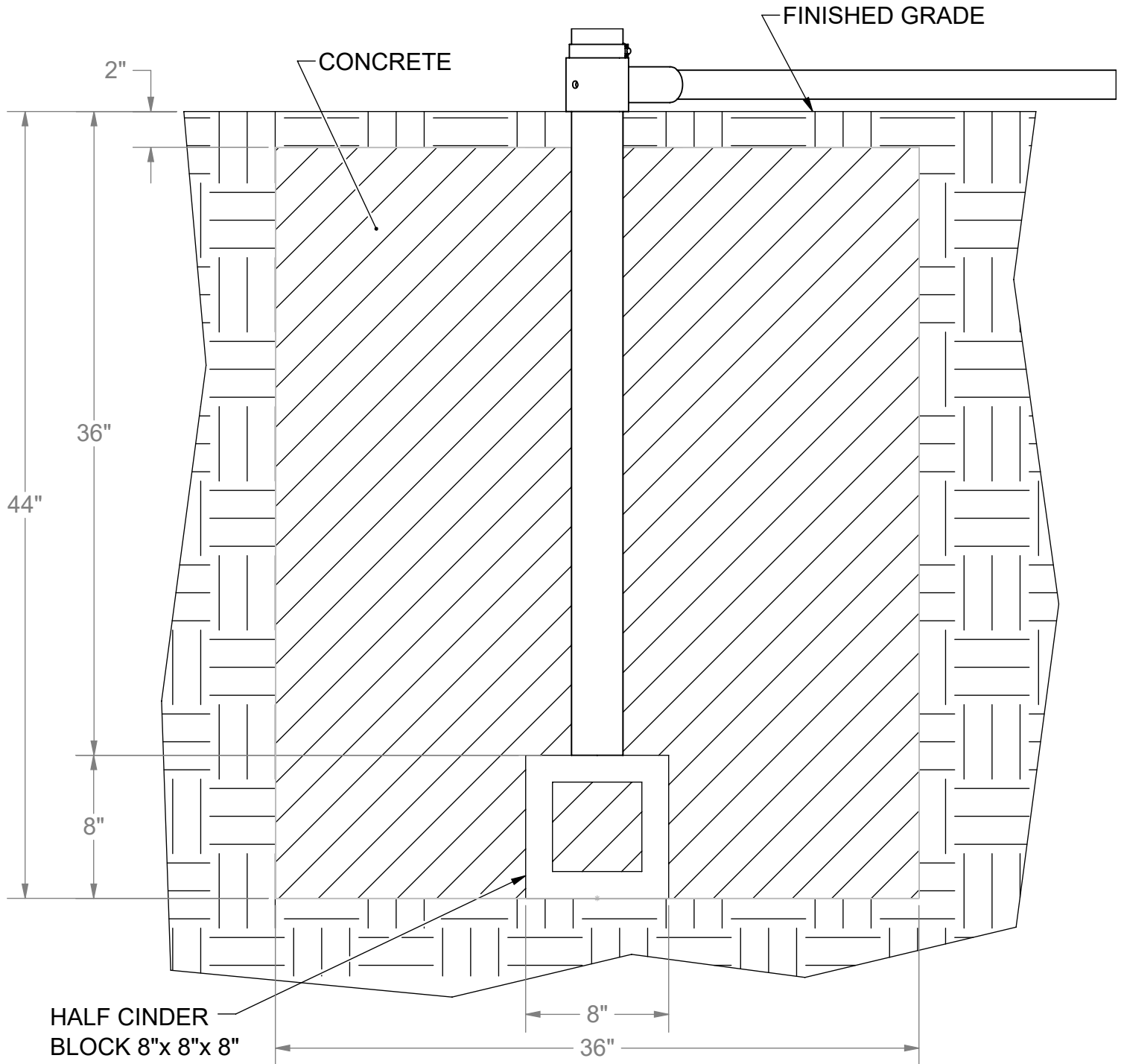
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Extremely Important

Dig footing holes according to layout & assemble post and rails with supplied pipe fittings.
Do not pour concrete until entire frame is assembled.



DETAIL-Z
FROM SHEET #4



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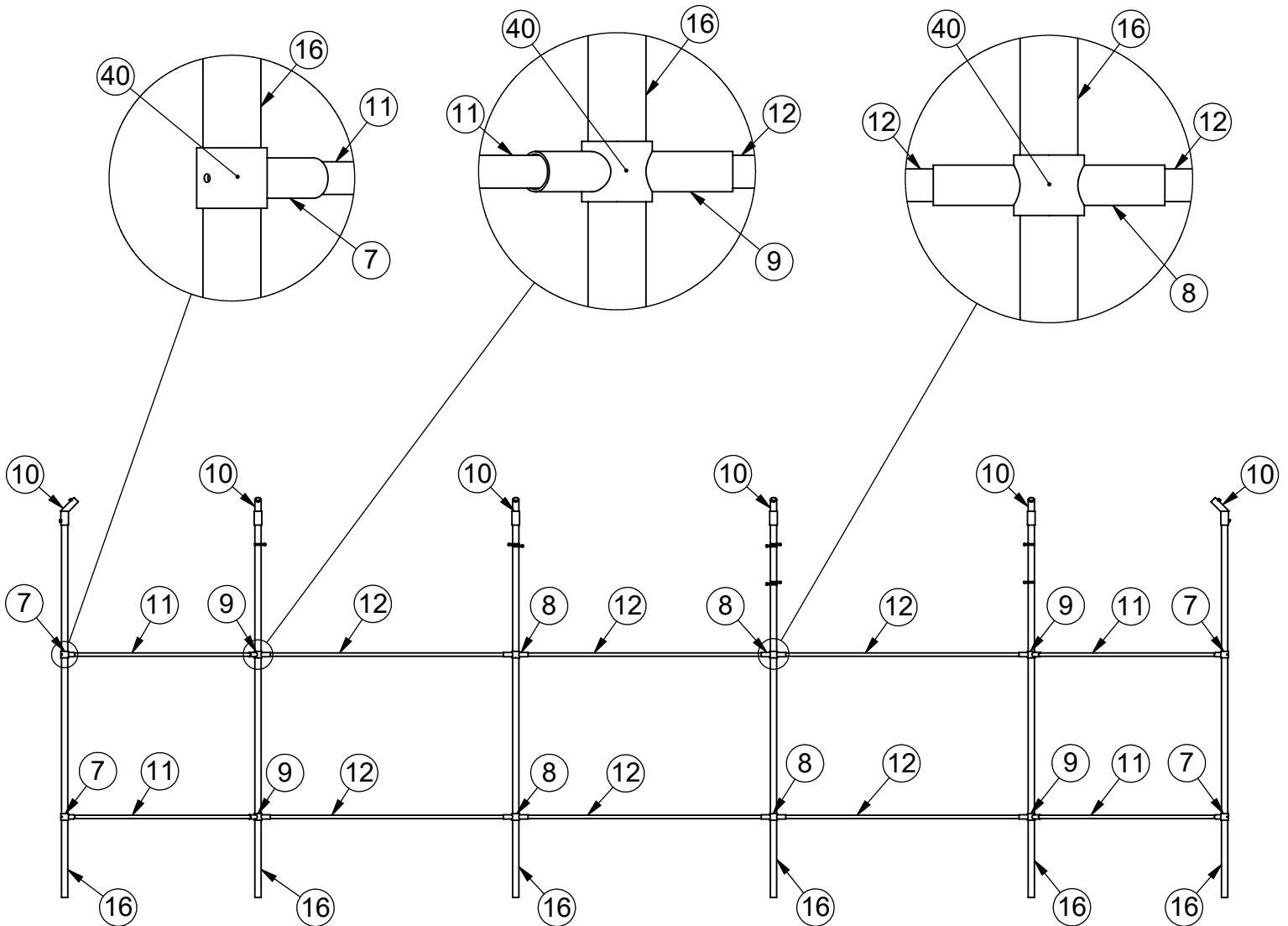
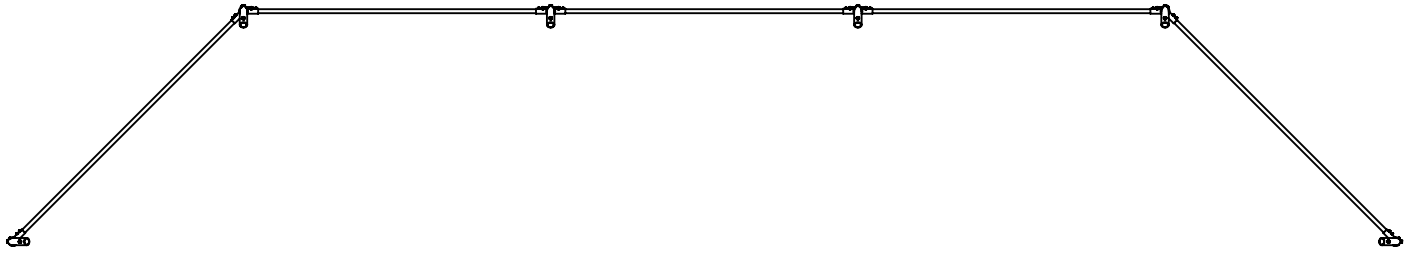
HOODED BACKSTOP

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INSTALLATION INSTRUCTIONS:

4) Put the entire Backstop together starting with the bottom first working from left to right. Slide Fittings over Vertical Post in the order shown. Tighten down Items (7), (8) and (9) using 3/8"x 5/8" Set Screw Item (38). Leave Fitting (10) finger tight using 5/8"x 1" Set Screw Item (39). Install stiffeners Items (17) (18) as shown.



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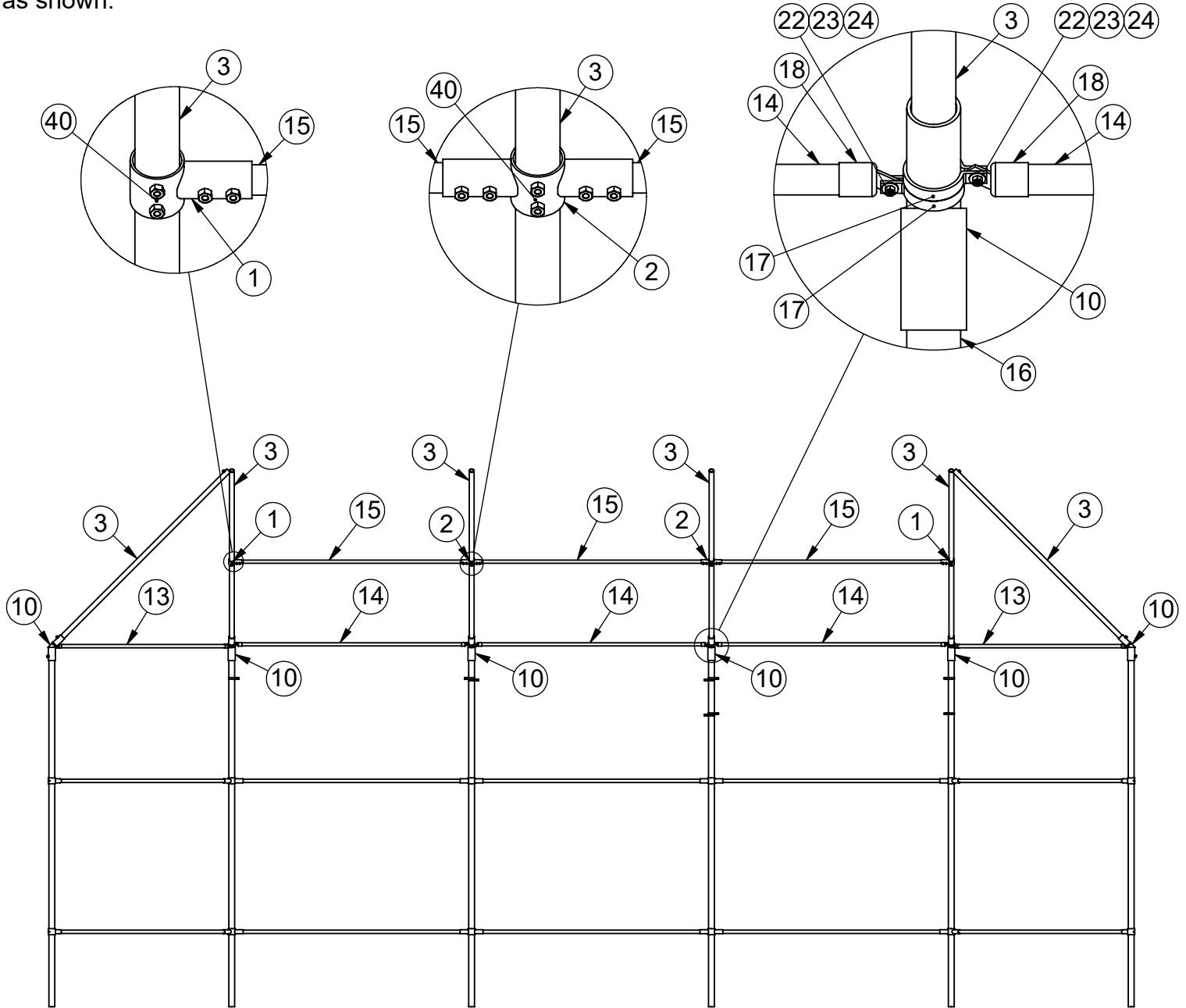
HOODED BACKSTOP

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INSTALLATION INSTRUCTIONS:

5) Start building the hood by sliding two (2) fittings 12AD-A1 Item (1) and two (2) fitting 12AD-A2 Item (2) about half way on to Hood Angle $\phi 2 \frac{3}{8}$ " Assemblies (3) using $\frac{3}{8}$ "x $\frac{5}{8}$ " Set Screw Item (38) to hold in place, only finger tighten. Then take the Hood Angle $\phi 2 \frac{3}{8}$ " Item (3) and slide into fitting 12EL-B1 Item (10) using $\frac{5}{8}$ "x 1" Set Screw Item (39) to hold in place, Only finger tighten. Install Stiffeners (19) (20) (21) as shown below. Stiffeners Items (13) and (14) use 2 $\frac{7}{8}$ " Brace Band Item (17) , 1 $\frac{5}{8}$ " ID Rail End Item (18) with $\frac{5}{16}$ "x 1" Carriage Bolt Item (22) , $\frac{5}{16}$ " Flat Washer (23) and $\frac{5}{16}$ " Hex Head Nut Item (24) as shown.



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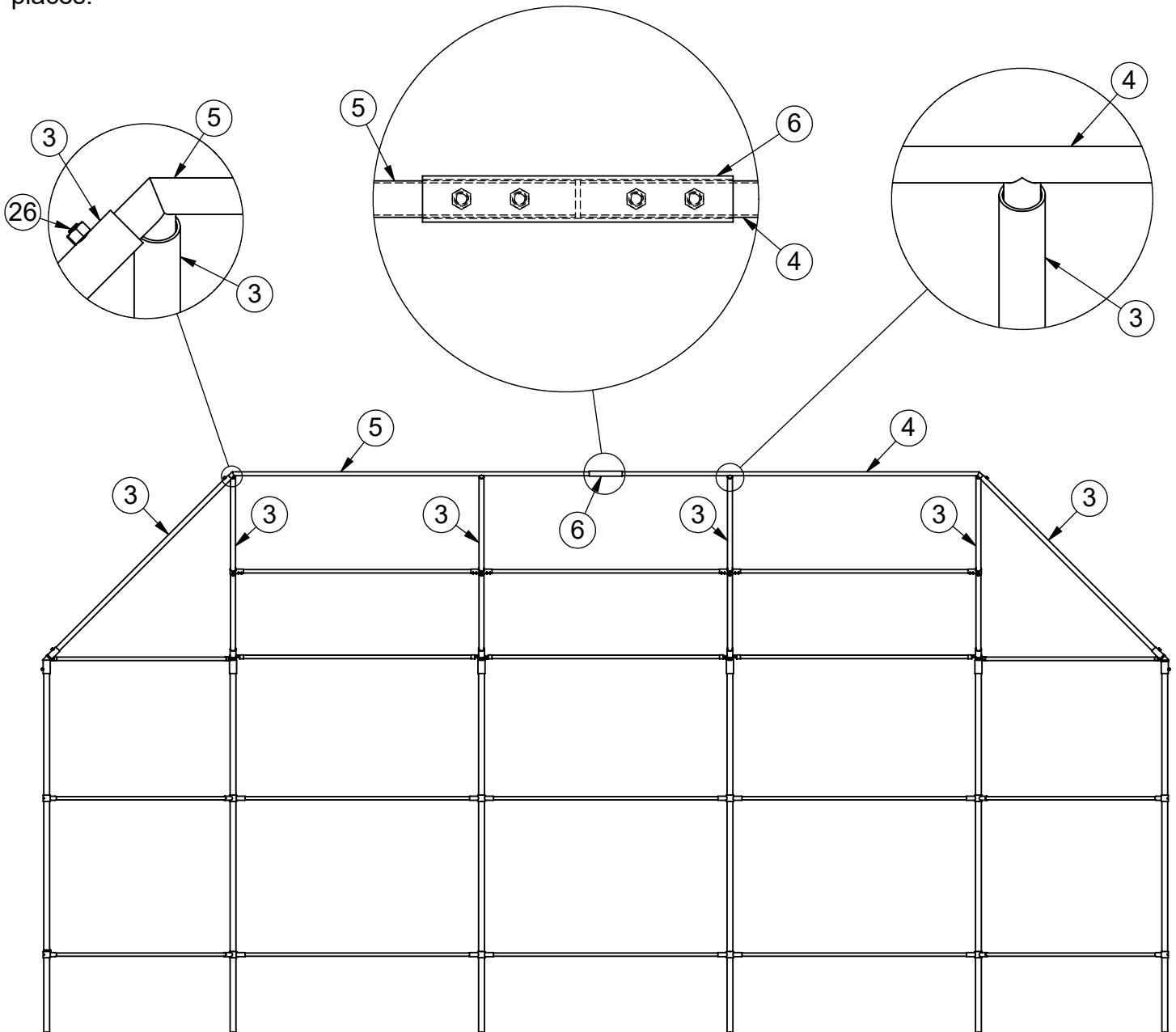
HOODED BACKSTOP

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DETAIL AM
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INSTALLATION INSTRUCTIONS:

6) Install Hood Crown Right Assembly Item (11) and Hood Crown Left Assembly Item (10) by sliding the Center Joint Sleeve Item (9) onto the Hood Crown Right Assembly. Next slide the six (6) stubs into the six (6) Hood Angle $\phi 2 \frac{3}{8}$ " Item (3). Take the Center Joint Sleeve Item (9) and slide it to the middle of the Hood Crown Assemblies Items (10) (11) and tighten down all the $\frac{5}{8}$ "x 1" Set Screws Item (39) ten (10) places.



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INSTALLATION INSTRUCTIONS:

10) MESH INSTALLATION: Separate the wire mesh as the heavier material (9 gauge) is to be used along the rear panel & the wings while the lighter material (11 gauge) is to be used on the hood. The mesh is cut to approximate size & shipped in rolls.

1. Cut four pieces of (9ga x 10' mesh) 10 feet long to be installed between the vertical posts of the rear panel & the wings. Attach each piece of mesh using one 10 ft tension bar on each side of the mesh along with tension bands & bolts provided. Use tension bands on 18 to 20 inch centers. The mesh must be tight, remove one or two strands as necessary to achieve proper tension. NOTE: If rear bands at top & bottom of angles on upright posts to hold mesh in position.

2. Secure the mesh to the top, center & bottom horizontal rails of the hood supports with wire tie wires every 12" ..

3. Cut one piece of (11ga x 10' mesh) 20' long. Attach the mesh to the rear panel using one tension bar on each end of the piece along with tension bands & hardware provided. Tension bands should be used on 18 to 20 inch centers. The mesh must be tight, remove strands as necessary to achieve proper tension.

4. Secure the mesh to the top, center and bottom horizontal rails of the hood supports with wire tie wires every 12".

5. Cut a 10' long piece of 11ga mesh into a triangle to cover the remainder of the hooded area. Use the hood as a template.

6. Install two 10' tension bars in each triangular mesh piece along the two edges where the wire ends are NOT twisted together (knuckled salvage edge). Attach the mesh in the corners of the hood so the edge of mesh without tension bar is along the horizontal rail. Use tension bands on 18 to 20" centers to secure to the hood supports. The mesh must be tight; remove one or two strands as necessary to achieve proper tension.

7. Pull the bottoms of each triangular mesh piece tight and secure with tie wire every 8" to the horizontal rails.

8. Inspect for loose hardware and tighten as necessary. Also look for share wires and either cut or turn back into fabric as necessary.

9. Replace turf to cover exposed tops of footings.

NOTE: Footing sizes are based on average soil conditions. Loose and/or sandy soil is not average and footing sizes must be increase accordingly to meet local soil conditions



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