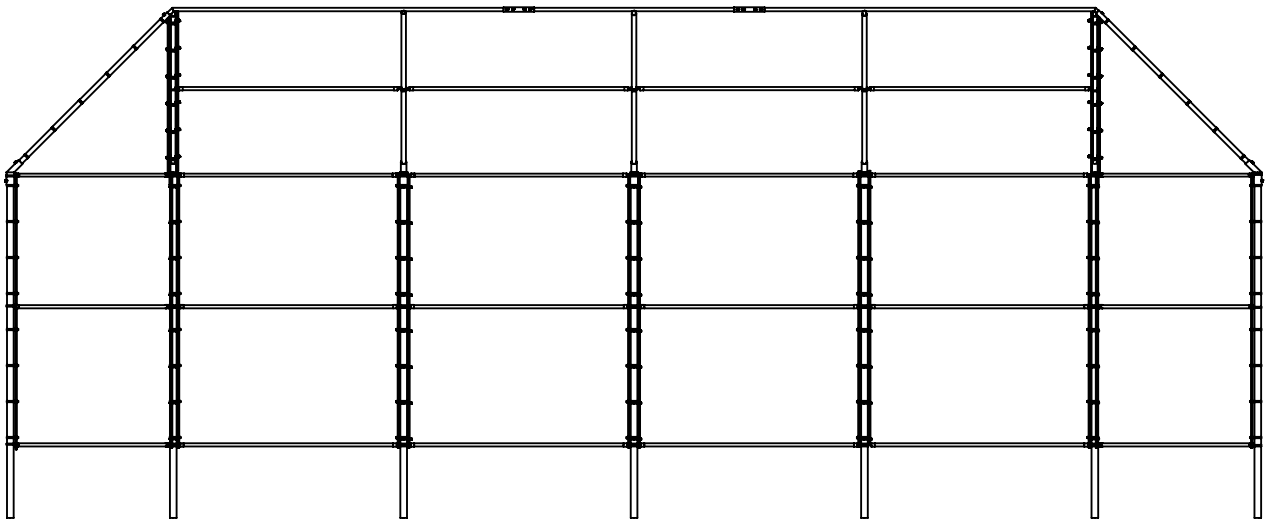
PERMANENT HOODED BACKSTOP
INSTALLATION INSTRUCTIONS
MODEL #LA-1454T



Description: A heavy duty backstop shipped unassembled with all parts and instructions for quick assembly.

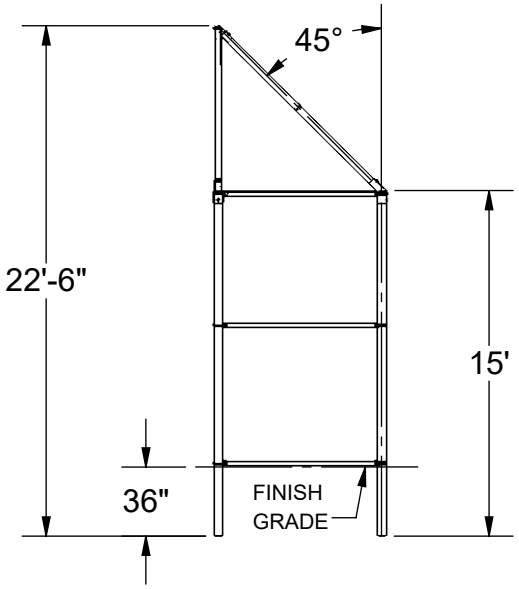
Materials: All pipe and fittings are galvanized steel. Sizes given are outside diameter and exposed ends are capped.

Specifications	Size
Vertical Posts	3-1/2"
Horizontal Rails	1-5/8"
Top Hood Rails	1-7/8"
Hood Angle Posts	2-3/8"

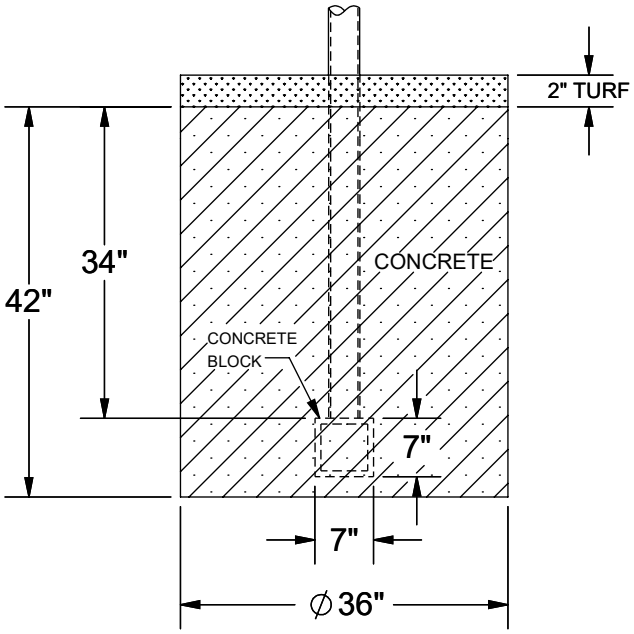
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ASA-507-12EL-C1	12EL-C1 FITTING ASSEMBLY	7
2	ASA-0502-1235-G	HOOD CROWN ASSEMBLY	1
3	ASA-0503-1235-G	HOOD CROWN ASSEMBLY	1
4	ASA-0504-1235-G	CENTER HOOD CROWN ASSY.	1
5	ASA-0505-1235-G	CENTER JOINT SLEEVE ASSEMBLY	2
6	RT-008-1235-112-G	STIFFENER 1-5/8" O.D. x 16GA x 112" GAL. TUBE	18
7	RT-003-1235-113.5-G	STIFFENER 1-5/8" O.D. x 16GA x 113-1/2" GAL. TUBE	4
8	VCIRAILEND158	1-5/8 ID RAIL END	44
9	VCIBB4	4" BRACE BAND	12
10	VCIBB238	2-3/8" BRACE BAND	8
11	VCIBB35	3-1/2" BRACE BAND	24
12	HWCB5161	5/16"-18 x 1" CARRIAGE BOLT	176
13	HWFLWA516	5/16" USS FLAT WASHER	176
14	HWLN516	5/16"-18 LOCK NUT	176
15	VCITEN35	3 1/2" TENSION BAND	96
16	VCITEN238	2-3/8" TENSION BAND	36
17	VCITBAR12	12' x 3/4" TENSION BAR (142")	12
18	VCITBAR10	10' x 3/4" TENSION BAR (118")	6
19	HWSC581	5/8" SS SET SCREW	29
20	RMMESHGA21110	2" x 11GA x 10' GAL MESH	60'
21	RMMESHGA2912	2" x 9GA x 12' GAL MESH	60'
22	VCITIEWIRE	TIE DOWN WIRE 10-1/2" x 12GA WITH HOOK	259
23	RT-001-1235-180-G	LEG POST 3-1/2" O.D. SCH 40 GAL. PIPE x 180"	7
24	ASA-0501-1235-G	HOOD ANGLE ∅2 3/8" ASSEMBLY	7

FOOTING DETAIL

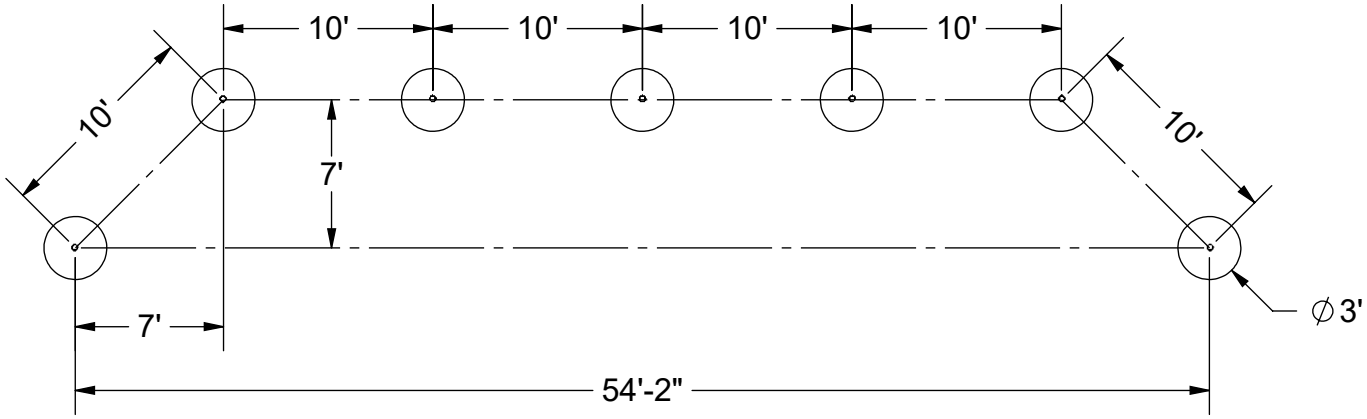
1) Determine the location of the backstop so the rear panel is perpendicular to a line running from 2nd base through home plate and the wings are parallel with the sides of the diamond.
2) Dig holes according to Footing Plan below and Footing Detail. Place all the posts in the holes resting on the blocks. Each post shall be 12'-0" above ground and 10'-0" on center. Place a horizontal stiffener on the ground between each of the posts. Place a rail end fitting on each end of the stiffeners. Place a brace band over each post adjacent to each rail end fitting. Bolt the rail end fitting to the corresponding brace band. Make sure the horizontal stiffeners fit into the rail end fittings at least 1".
   NOTE: All carriage bolt heads are facing the playing field.
3) With the proper spacing established, plumb all the posts and pour the concrete footings up to 2" of finish grade and let set for three days before removal of bracing.
   NOTE: Footing sizes are based on the assumed soil bearing pressures from IBC 1807.



SIDE VIEW



FOOTING DETAIL

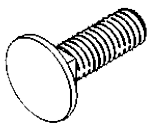


FOOTING PLAN

Steelcraft ELEMENTS FOR LIFE OUTSIDE® www.LASTEELCRAFT.com 1-800-371-2438	Date: 3/22/23	PRODUCT NAME HOODED BACKSTOP
	Rev:	
	Drawn: CW	MODEL NO. LA-1454T-SPEC
	Sheet: 3 of 7	

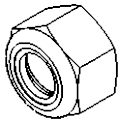
INSTALLATION INSTRUCTIONS

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

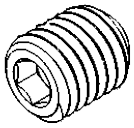


HWCB5161

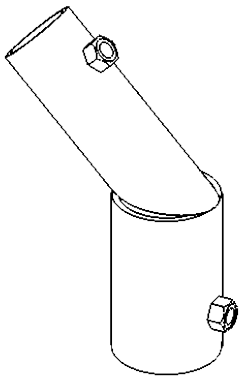
HWFLWA516



HWLN516

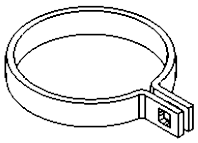


HWSC581

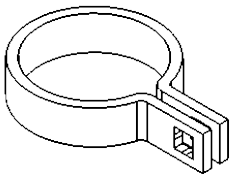


ASA-507-12EL-C1

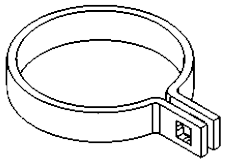
VCITBAR10/VCITBAR12



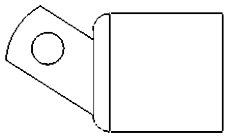
VCIBB4



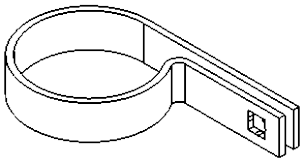
VCIBB238



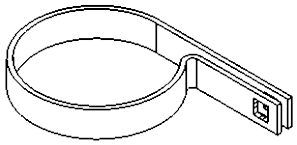
VCIBB35



VCIRAILEND158



VCITEN238

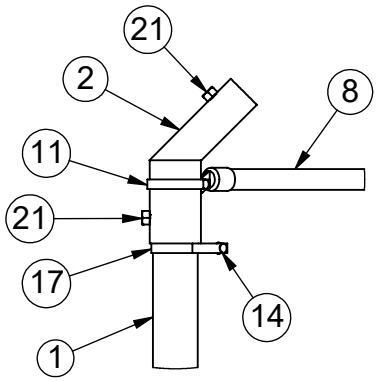


VCITEN35

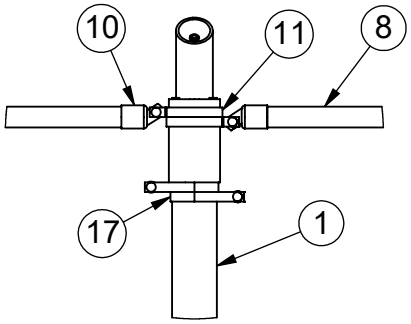
Steelcraft ELEMENTS FOR LIFE OUTSIDE® www.LASTEELCRAFT.com 1-800-371-2438	Date: 3/22/23 Rev: Drawn: CW Sheet: 4 of 7	PRODUCT NAME HOODED BACKSTOP MODEL NO. LA-1454T-SPEC

INSTALLATION INSTRUCTIONS

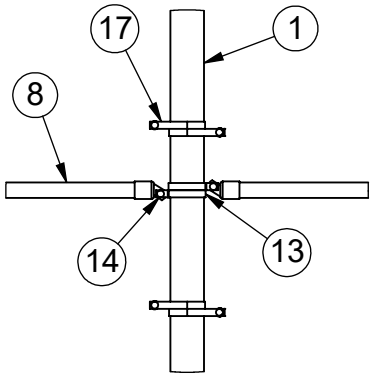
5) Put the entire Backstop together, starting at the top and working from left to right.
Slide the Brace Bands (11) (13), Tension Bands (17) and Hooded Backstop Elbow Fittings (2) onto vertical posts.



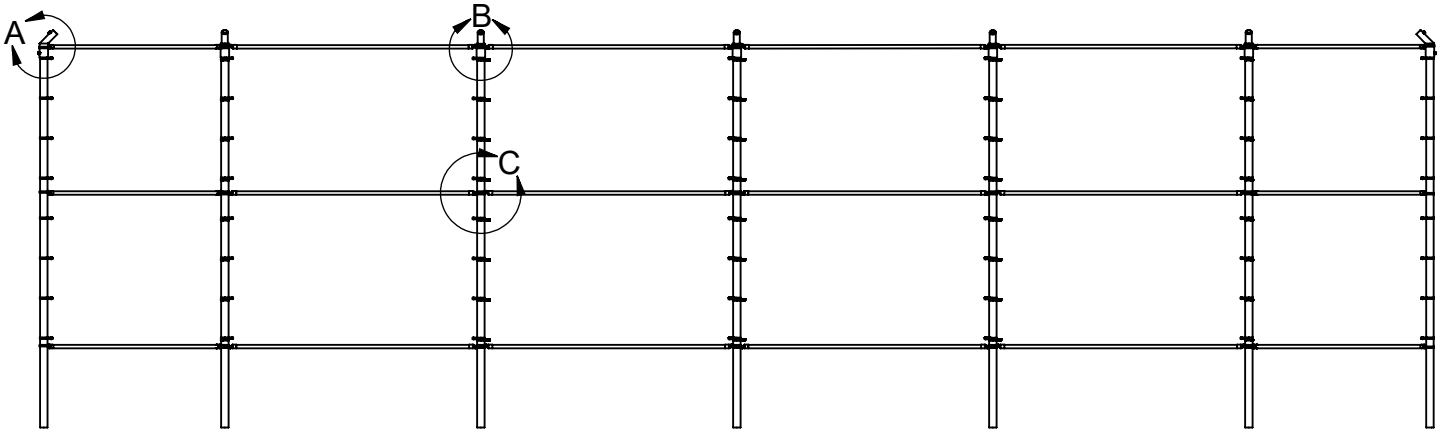
DETAIL A



DETAIL B



DETAIL C



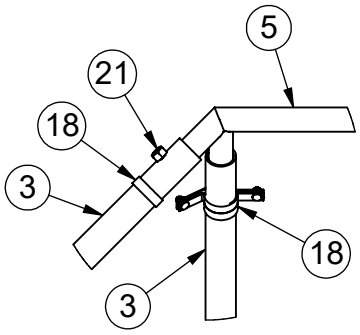
FRONT VIEW
POSTS AND HORIZONTAL RAILS

Steelcraft ELEMENTS FOR LIFE OUTSIDE® www.LASTEELCRAFT.com 1-800-371-2438	Date: 3/22/23	PRODUCT NAME HOODED BACKSTOP
	Rev:	
	Drawn: CW	MODEL NO. LA-1454T-SPEC
	Sheet: 5 of 7	

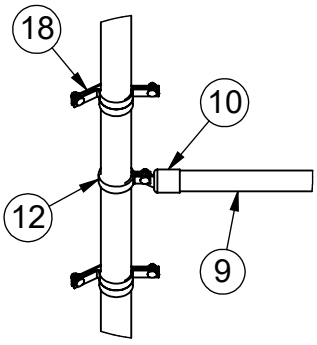
INSTALLATION INSTRUCTIONS

6) Start building the hood by working from left to right. Slide 2-3/8" Tension Bands (18) onto the Hood Angle Assemblies (3) with (6) on the outer angle and (12) on the inner angle, repeating for the right side. Install the 2-3/8" Brace Bands (12) onto the Hood Angle Assemblies as shown in Details E and F as well as the other three Hood Angle Assemblies. Install Stiffeners as shown below.
Stiffeners use 2-3/8" Brace Bands, 1-5/8" Rail Ends with 5/16"-18 x 1" Carriage Bolts, 5/16" Flat Washers and 5/16" Lock Nuts.

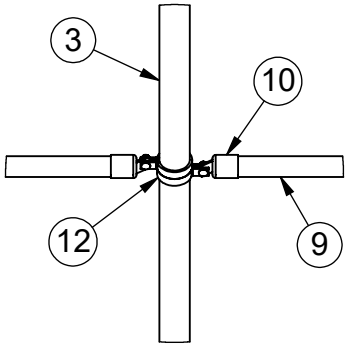
7) Install the Left Hood Crown Assembly (5), the Center Hood Crown Assembly (6) and the Right Hood Crown Assembly (4) by sliding the Center Joint Sleeve Assemblies (7) onto the Hood Crown Assemblies. Slide the seven stubs into the seven Hood Angle Assemblies (3). Slide the Center Joint Sleeve Assemblies to the middle of the Hood Crown Assemblies and tighten the 5/8" set screws.



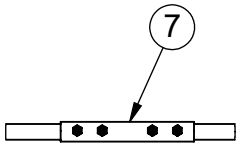
DETAIL D



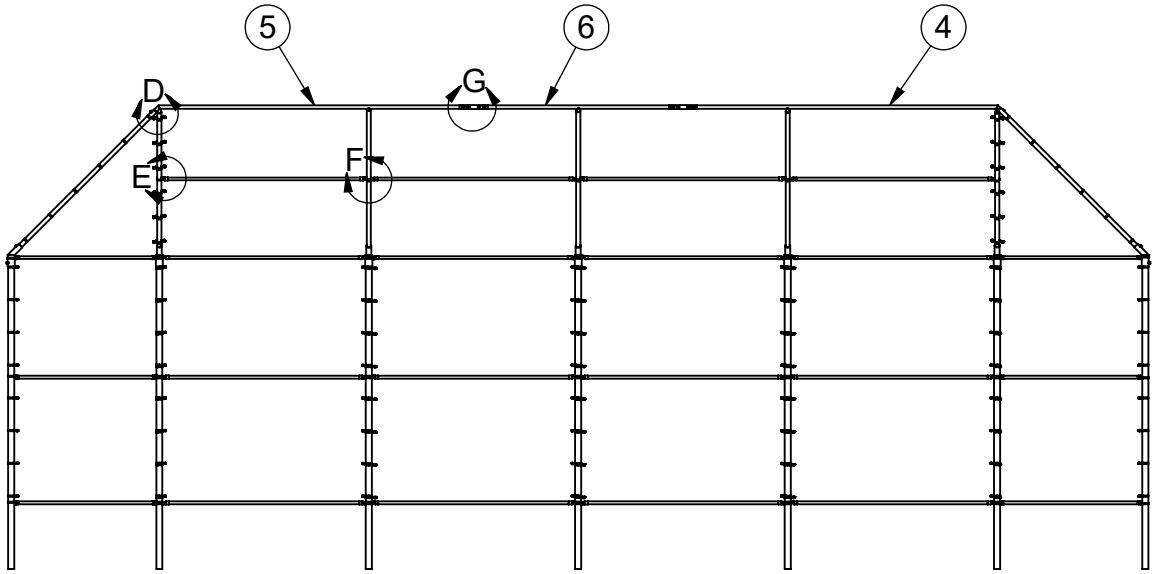
DETAIL E



DETAIL F



DETAIL G



FRONT VIEW
HOOD ASSEMBLY

Steelcraft ELEMENTS FOR LIFE OUTSIDE www.LASTEELCRAFT.com 1-800-371-2438	Date: 3/22/23	PRODUCT NAME HOODED BACKSTOP
	Rev:	
	Drawn: CW	MODEL NO. LA-1454T-SPEC
	Sheet: 6 of 7	

INSTALLATION INSTRUCTIONS

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

1. Cut six pieces of (9 GA x 12' mesh) 10 feet wide to be installed between the vertical posts of the rear panel and the wings. Attach each piece of mesh using one 12 foot tension bar on each end of the mesh along with tension bands and bolts provided. Use tension bands on 18 to 20 inch centers. The mesh is placed against the playing field side of the backstop with the tension bands parallel and adjacent to the vertical posts. The mesh must be tight; remove strands as necessary to achieve the proper tension.

2. Secure the mesh to the top, center and bottom of the horizontal rails with tie wires every 12 inches.

3. Cut one piece of (11 GA x 10' mesh) 40 feet wide. Attach the mesh to the rear of the hood panel using one tension bar on each end of the piece along with the tension bands and hardware provided. Tension bands should be used on 18 to 20 inch centers. The mesh must be tight; remove strands as necessary to achieve the proper tension.

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

5. Cut two 10' long pieces of 11 GA mesh into two triangles 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 the mesh without the 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 to two strands as necessary to achieve the proper tension.

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

8. Inspect for loose hardware and tighten as necessary. Look for any sharp wires and either cut or turn them back into the fabric as necessary.

9. Replace the turf to cover the exposed tops of the footings.