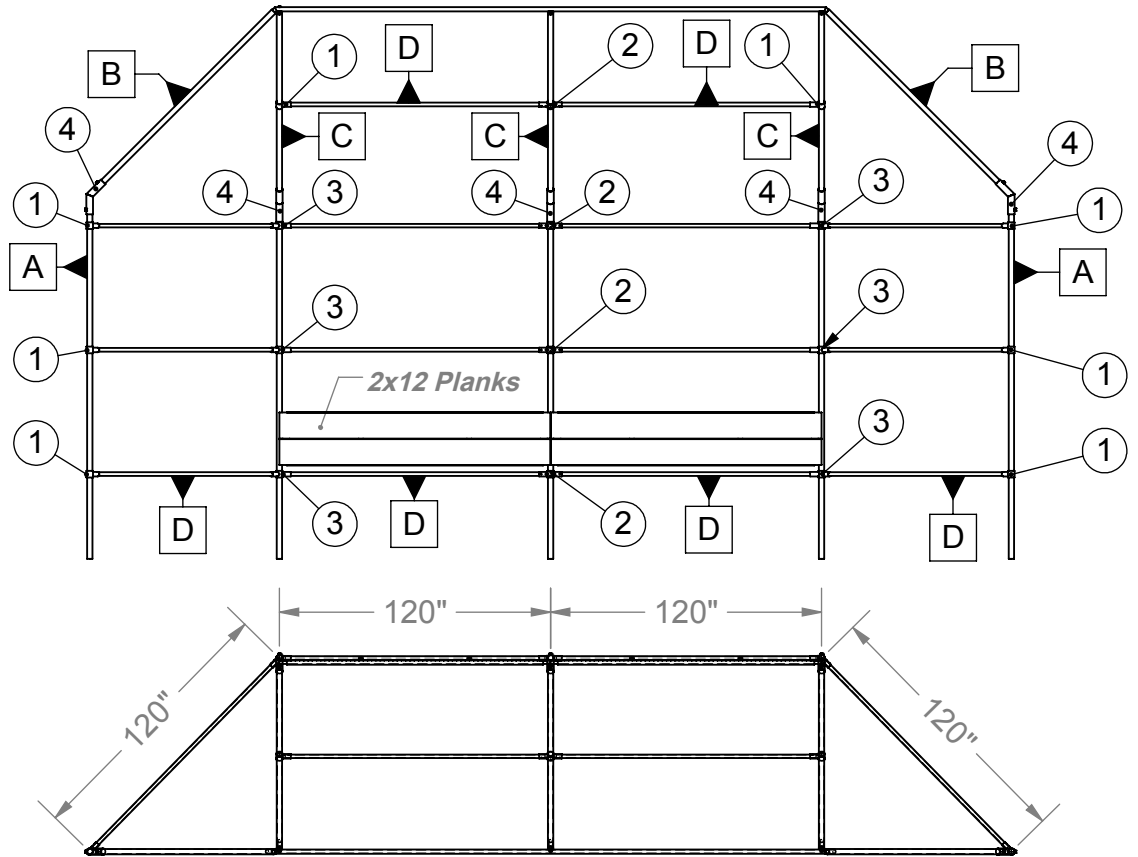


SITE FURNISHINGS

MODEL #1233-02 Front Height: 19'-6"; Front Width: 34'; W/ 2 Planks (1790 LBS)



SPECIFICATIONS:

Elbow Fittings: Welded galvanized steel that fits 2-7/8" vertical & 2-7/8" hood supports.

Chain Link Fabric: 2" Mesh galvanized after weaving: 9 ga. on rear & side panels, 11ga. on hood.

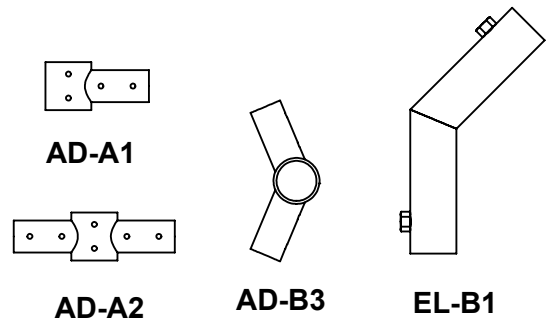
Hardware: Tension bars & bands are galvanized steel. All fasteners are included.

Rear Panel Planking: Green 2" x 12" LVL recycled planks. Primed before painting. Hardware & attachment brackets are included. Use suffix number with model number to order rear panel planking.

Finish: All welds are ground smooth & treated with cold galvanizing compound. All fasteners are zinc plated for long rust-free service.

Warranty: 3 Years.

Backstop Post		Frame Assembly Adapters	
Post I.D.	Post Size	Part #	Item #
A	2-3/8" x 156"	AD-A1	1
B	2-3/8" x 112"	AD-A2	2
C	2-3/8" x 115"	AD-B3	3
D	1-5/8" x 115"	EL-B1	4



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SPECIFICATION/INSTALLATION INSTRUCTIONS

PERMANENT HOODED BACKSTOP

MODEL NO.


1233-02

GENERAL NOTES:

Site must be level. Six 8" x 8" x 8" concrete blocks (half blocks) will be required in the bottom of holes to provide a means of post-height adjustment as well as to provide sufficient concrete footing below bottom of posts (See Page 3&4).

1. 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.
2. Dig holes according to footing plot plan & footing detail (See Page 3&4).
3. Center a half concrete block in the bottom of each of the holes per footing detail. Adjust height so the top of the block is 30" below finished grade.
4. Start with an end post & center the post in the hole so it rests on the block. Tops of posts for Model 1233 are to be 12' above finish grade. Adjust block height as necessary to achieve proper post height. Plumb & brace in position.
5. Repeat the same procedure for the adjacent corner post.
6. Attach rail end caps to the horizontal rails. Insert 1-5/8" OD rails into rail end caps until fully seated. Drill through the end cap & the pipe with #25 drill bit provided. Hammer the #10 x 1/2" drive screws into holes until fully seated. Note: Keep rail end caps in line with each other.
7. Attach two horizontal rails between the two posts, one at the finished grade level & one midway up the posts. Attach with brace bands & carriage bolts provided.
8. Re-plumb posts and brace as necessary.
9. Set the adjacent center post in the hole on the concrete block & brace or hold in place.
10. Attach two horizontal rails between the center post & the corner post. Install as before; one at finished grade level & one midway up the post with brace bands & carriage bolts provided.
11. Re-plumb posts & brace as necessary.
12. Repeat the same procedure for each adjacent post until all of the vice vertical posts are installed. Attach horizontal rails between posts as before. Make sure the posts are plumb. Pour concrete in footing holes & let the concrete set for 3 days before removal of bracing & completion of installation.
13. Slip the elbows for the upright posts over the tops of the posts until seated. Using set screws, loosely tighten fitting in place.
14. Insert the five hood supports in the elbows.
15. Align the hood supports by rotating the elbows. The hood supports on the corner & center posts should be rotated to face toward the infield & to be parallel to each other. The hood supports on the end posts should be rotated so they are facing each other.
16. Slip the top horizontal rail into the hood supports. Adjust the hood supports as necessary & make sure welded sleeves on top rail are fully seated.
17. Plumb frame and tighten all bolts.
18. Attach the shorter horizontal rails at the top of the vertical posts between the elbow fittings with the 2-7/8" brace bands & carriage bolts provided.
19. Install the horizontal rails midway between the elbows & top rail. Tighten all bolts which secure all the horizontal rails.

NOTE: EXTREMELY IMPORTANT: DIG FOOTING HOLES ACCORDING TO LAYOUT & ASSEMBLE POST & RAILS WITH SUPPLIED PIPE FITTINGS. DO NOT POUR CONCRETE UNTIL ENTIRE FRAME IS ASSEMBLED & ALIGNED.

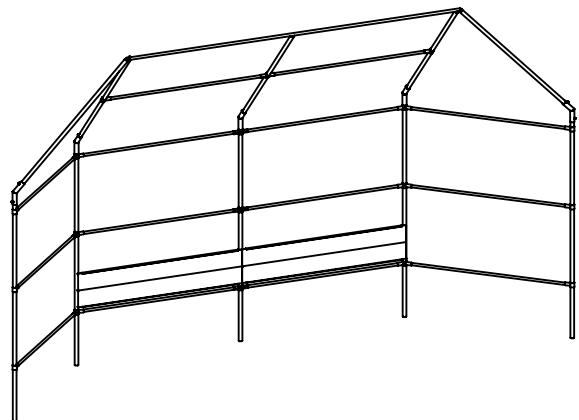
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MESH INSTALLATION:

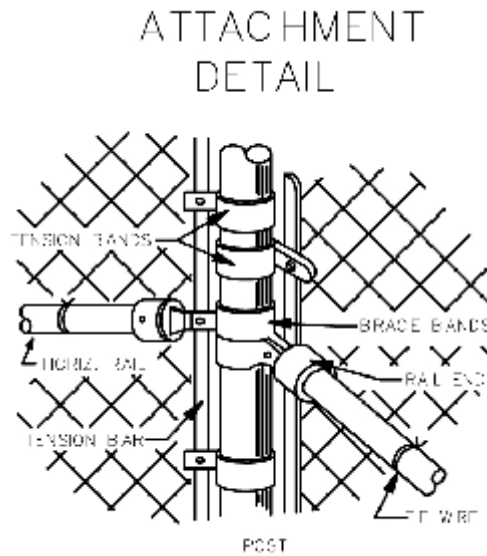
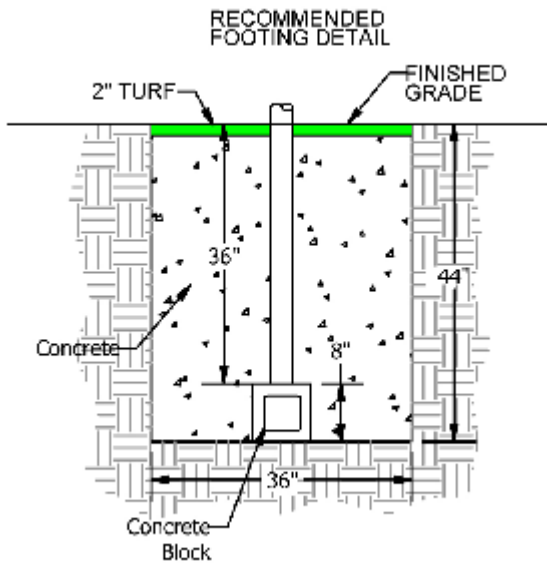
Separate the wire mesh as the heavier material (9 gauge) is to be used along the rear panel & the wings while the lighter material (11 gauge) is to be used on the hood. The mesh is cut to approximate size & shipped in rolls.

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. The mesh will overlap the top planks. Install the drilled tension bar in the mesh about 3" to 6" from the top edge of the highest plank. Pull tight & drill 5/16" dia. holes through the planks using the holes in the tension bar for drilling location. Secure with 5/16" x 1-1/4" wood screws, flat washers. *Note: This will keep the baseballs from falling behind the planks.*
4. 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.
5. Secure the mesh to the top, center and bottom horizontal rails of the hood supports with wire tie wires every 12".
6. 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.
7. 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 acheive proper tension.
8. Pull the bottoms of each triangular mesh piece tight and secure with tie wire every 8" to the horizontal rails.
9. Inspect for loose hardware and tighten as necessary. Also look for share wires and either cut or turn back into fabric as necessary.
10. Install backup channels for models 1233-02 & 1233-03 using 5/16" x 3-1/2" carriage bolts, flat washer, split washer & nut.
11. 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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Packing Slip	
Component Description	Qty
Upright Post (2-7/8" x 13')	5
Hood Supports (C) (2-3/8" x 115")	3
Hood Supports (B) (2-3/8" x 112")	2
Horizontal Rails (D) (1-5/8" x 115")	14
Top Hood Rail (AA) (1-7/8")	1
12ft Tension Bars	8
10ft Tension Bars	6
2" x 11ga x 10' Mesh	40
2" x 9ga x 12' Mesh	40
Hardware Kit	1
Fitting 12AD-A1 (1)	8
Fitting 12AD-A2 (2)	4
Fitting 12AD-B3 (3)	6
Fitting 12EL-B1 (4)	5
Plank Items	
Tension Bar - 10' Drilled	2
2" x 12" x 10' LVL Plank	4
2" x 2" x 10' Angle	4
2" x 3" x 22"	4
1" x 2" Backup Channel	4

Hardware Kit	
Component Description	Qty
2-3/8" Tension Bands	36
2-7/8" Tension Bands	74
2-3/8" Brace Bands	4
2-7/8" Brace Bands	16
3-1/2" Brace Bands	8
1-5/8" Rail End Caps	8
5/8" x 1" Set Screws	10
5/16" -16 x 1" Carriage Bolts	138
5/16" Hex Nut	138
5/16" Flat Washer	138
5/16" Split Washers	138
3/8"-16 x 3/8" Set Screws	78
1/4" x 1" Drive Screws	28
#10 x 1/2" Rd. Hd. Drive Screw	16
#25 Drill Bit	2
7/32" Drill Bit	2
12 Ga. Tie Wire (lbs)	3
Plank Attachment Hardware	
5/16" x 3-1/2" Carriage Bolts	16
5/16"-18 x 2-1/2" Carriage Bolts	16
5/16" x 1-1/4" Lag Screws	36
5/16" Flat Washers	68
5/16" Split Washers	32
5/16" Hex Nut	32



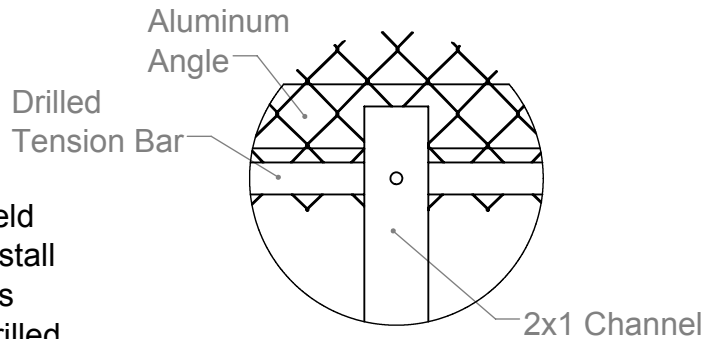
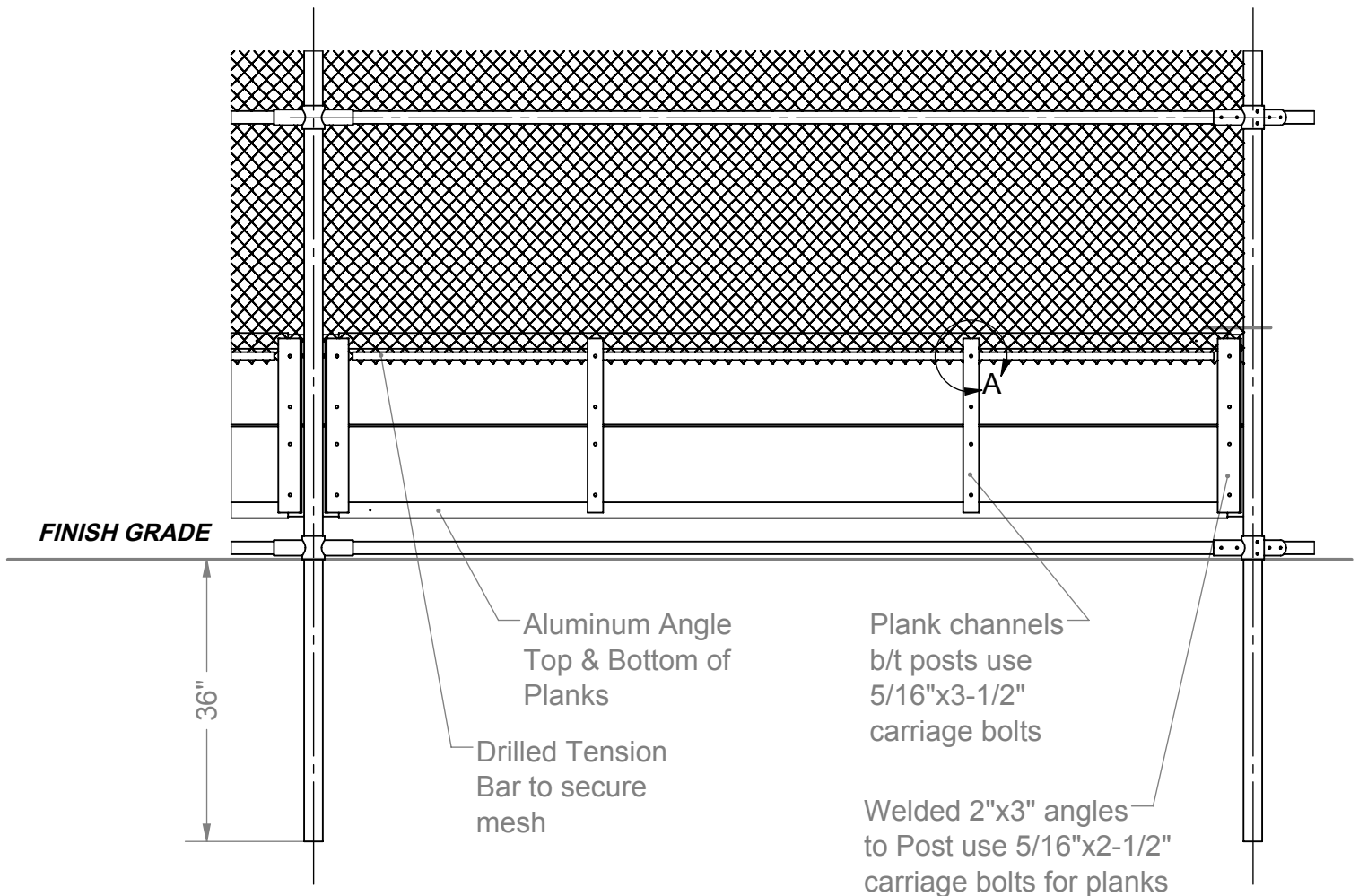
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SPECIFICATION/INSTALLATION INSTRUCTIONS

PERMANENT HOODED BACKSTOP

MODEL NO.

1233-02



DETAIL A

Planks are 2"x12"x10' Recycled Plastic & on the field side of backstop (Cut planks to size in the field). Install 2"x2" aluminum angle (top & bottom). Mount planks first then top & bottom alum. angle, then use the drilled tension bar to secure mesh to back side of plank.

-02 Hardware required to attach planks:


(36) 5/16"x1-1/4" Lag Screws; top/bottom Angle & Tension Bar

(16) 5/16"x2-1/2" Carriage Bolts; welded angles on post

(16) 5/16"x3-1/2" Carriage Bolts; channels b/t post

All Angle needs to be Zinc coated prior to welding.

NOTE: Cut planks to fit and drill mounting holes on-site. Details apply to all hooded models.

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