

Salient Characteristics

Basketball Backstops, or Equal

1. General

Basketball Backstop - Ceiling suspended, forward-folding, front-braced.

2. Warranty Requirements

a. 25-year limited warranty.

3. Technical Specification and Code Requirements

a. Conform to NCAA recommendation No. 5-F (dated Mar. 82) which states that the design of the unit shall transfer the load on the goal directly to the backboard support so as to minimize stress to the glass backboard.

4. Environmental Features

a. N/A.

5. Dimensions, Features

- a. 72" x 42" Rectangular Glass. Dim C: 11 1/4".
- b. Ceiling-Suspended, Forward-Folding Backstop:
 1. Shall be a welded together main frame constructed from steel mechanical tubing to form a rigid "tetrahedral "T" design of back-to-back right triangles.
 2. Main stem (center strut) shall be 6" OD 11-gauge steel tubing, the top of the "T" shall be 4" OD 11-gauge steel tubing, and the side braces shall be 2 1/4" OD 14-gauge steel tubing.
 3. Side Braces shall join stem no higher than 4'-6" above goal.
 4. Main stem shall be of sufficient length to allow plus or minus 6" height adjustment of either fan or rectangular banks.
 5. Folding front brace shall be jackknife type, fully adjustable, self-locking in the down position and constructed of 2 1/2" OD 13-gauge (outer) steel tubing and 2 1/4" OD 14-gauge (inner) steel tubing.
 6. Backstop shall be supported from 4" OD 11-gauge steel mechanical tubing anchored to roof structure by means of heavy steel support hangers.
 7. Superstructure tubes shall be reinforced with bridging and/or bracing when truss centers exceed 8'-0".
 8. Pivot or hinge joint (pin height) for folding shall not exceed 15" from roof structure except when required by architect for coordination with other trades.
 9. Main backstop frame shall pivot on 1-1/4" minimum solid steel shaft secured in a milled bearing hole in 1/2" minimum steel plate hangers to insure accurate positioning of bank.
 10. Bank shall be attached to the 6" OD main stem by heavy-duty bank hangers.
 11. Hangers shall be constructed of 2 1/4" OD 14-gauge steel tubing and 1/4" x 2" flat steel plate with slotted holes for lateral adjustment.
 12. All glass banks shall have one upper bank hanger and include a goal brace which attaches directly to the goal mounting plate and directly to the 6" main stem of the backstop to eliminate any strain on the bank and help prevent glass breakage.
 13. Backstop shall raise or lower by a 1/4" (6.35 mm) aircraft cable, certified minimum break strength of 7,000 pounds (3178kg), operating over aluminum alloy sheaves with bronze oilite bearings that do not require lubrication.
 14. Backstop shall have a black or white powder coat finish.
 15. Backstop shall be operated by motorized winch.
 16. Backstop Lowest Position shall be: 14 in. (36 cm).

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- c. Backstops shall include:
1. Electric winch, no key switch.
 2. Plug head kit for backstop electric winch.
 3. 2-Gang key switch.
 4. Auto-Lock safety strap.
 5. Glass backboard, rectangular 72" x 42".
 6. Bolt-on backboard edge padding.
 7. Heavy-Duty fixed goal.
 8. Stamped engineering calculations for basketball backstops.