CEILING SUSPENDED, BACKWARD FOLD, REAR BRACED UNIT
28' TO 40' ATTACHMENT HEIGHT

SPECIFICATIONS

PORTER No. 1423-W “UNI-FRAME” BACKWARD-FOLD BACKSTOP WITH
“CLEAR-VU” FEATURE
(FOR ATTACHMENT HEIGHTS OVER 28')

Vertical front drop frame assembly “Uni-Frame” shall consist of 3-1/2” O.D. drop pipes spaced at 5'-9” centers to “Hide” behind the vertical perimeter markings on the (optional) rectangular glass backboard. Frame shall be horizontally braced above the backboard by 3-1/2” OD. spreaders spaced on approximately 4'-0” centers. Both ends of spreaders shall be saddle (die) cut to fit the outside diameter of the 3-1/2” O.D. drop pipes. Each connection of vertical and horizontal pipes shall be welded to form “Uni-Frame” type construction for maximum strength and resistance to vibration. (Drop frames with flattened or pinch cut type connections will not be approved as equal.) Vertical front drop weldment shall be supported by a 3-1/2” O.D. hinge tube to provide a wide stance hinge arrangement with additional 2-3/8” O.D. diagonal side sway bracing. Special formed steel backboard attachment fittings shall provide the official N.C.A.A. and NFHS regulation of 6” (15.24cm) from the front of the “Uni-Frame” to the face of the backboard. “Uni-Frame” shall be suspended by special adjustable hangers (3) to provide for precise plumbing of frame during installation.

Backstop to operate with double 2-3/8” O.D. back brace assemblies with a folding knee joint. Knee joint to incorporate precision investment castings with a special internal torsion spring design to lock brace assembly firmly in playing position. Knee joint assembly shall be designed with an in-line pivot design to maximize backstop stability during aggressive play. Knee joint is easily disengaged by upward force of hoist cable on 2-3/8” O.D. spreader pipe connecting the two back brace assemblies near the knee joints. Hoist cable is routed through a special three-pulley set up for ease of operation. Hoist cable shall be 1/4” diameter aircraft cable with a 7,000 lb. ultimate breaking strength.

Backstop shall be supported from 3-1/2” O.D. pipe anchored to roof framing members by means of heavy, formed steel support fittings. Each support fitting (supplied by the backstop manufacturer) to the roof framing, must be capable of supporting a load exceeding 10,000 pounds, with sufficient attachment points to acquire a 60:1 safety factor for support of the entire backstop superstructure system. Certified test results shall be furnished upon request. All cap screws shall be rated a minimum SAE Grade 5. Grade 2 cap screws will not be approved as equal. Superstructure pipes to be reinforced with special bridging or bracing when truss centers exceed spans of 14'-0”.

Backstop shall be operated with a No. 00707-000 3/4 H.P. Electric Winch – see page No. B-706-1 for specification.

All metal parts shall be painted one (1) coat of flat black enamel. (If special painting or colors are required, specify final painting by painting contractor.)

Backstop provided only with rectangular backboards – specify type.

OPTIONAL ITEMS TO SPECIFY

☐ Backboard Safety Padding