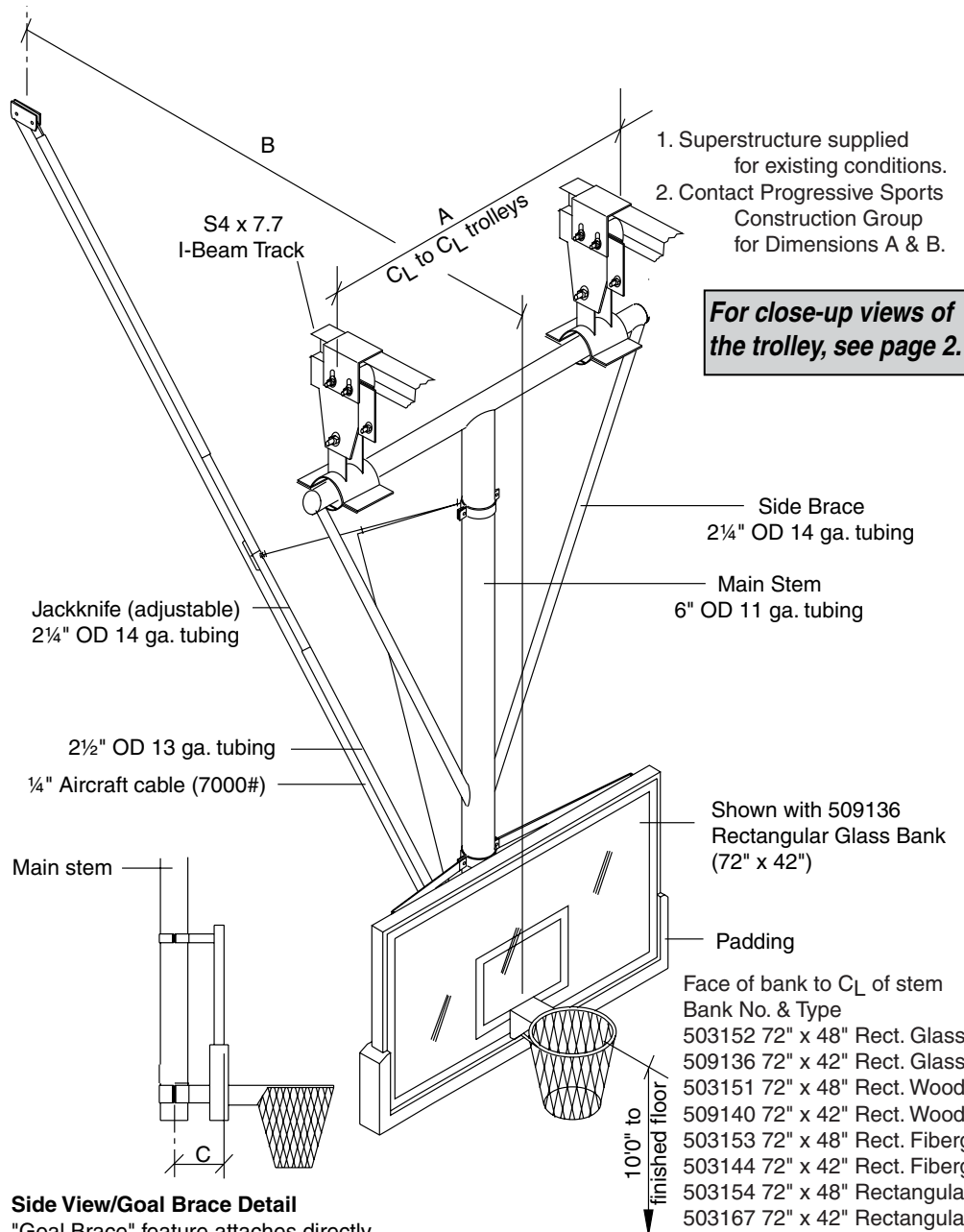


860-RF

**Ceiling Suspended Single Drop
Mast, Compact Rear-Folding,
Rear-Braced**



Side View/Goal Brace Detail

"Goal Brace" feature attaches directly behind goal mounting plate and directly to main stem of backstop, which eliminates strain on backboards.

Bank No. & Type	Dim. C *
503152 72" x 48" Rect. Glass	11 1/4"
509136 72" x 42" Rect. Glass	11 1/4"
503151 72" x 48" Rect. Wood	11 1/8"
509140 72" x 42" Rect. Wood	10 9/16"
503153 72" x 48" Rect. Fiberglass	10 1/2"
503144 72" x 42" Rect. Fiberglass	10 1/2"
503154 72" x 48" Rectangular Steel	10 1/2"
503167 72" x 42" Rectangular Steel	10 1/2"
503150 Fan Glass	11"
503148 Fan Fiberglass	10 1/2"
503143 Fan Aluminum	10 3/16"

*Dims are same with or without Height Adjuster



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PROJECT:	
ARCHITECT:	
CONTRACTOR:	
SUPPLIER:	
DATE:	REVISED:

Specifications—860-RF

Ceiling Suspended Single Drop Mast, Compact Rear-Folding,
Rear-Braced

Product Description

MAST: Shall consist of a main, single mast assembled of 6" O.D., 11 gauge steel mechanical tube with diagonal side sway braces of 2¼" O.D., 14 gauge steel mechanical tube welded together at the top with a heavy 5" x 9 Lbs. structural "C" channel forming a rigid double triangular structure. Bottom of sway brace shall be formed at the bottom so as to meet the main mast at such an angle as to transfer lateral forces directly into the braces. Braces shall intersect the mast no more than 36" above the top of the backboard. Certified welders meeting the requirements of AWS D1.1- Structural Steel Welding Code shall do all welding.

BRACE: Backstop shall be braced to the back and shall fold up to the back. The brace shall be constructed of 2½" O.D., 13 gauge (outer) steel tubing and 2¼" O.D., 14 gauge (inner) steel tubing. The brace assembly shall have a fully adjustable folding knee joint assembly allowing for exact positioning at installation, and maintenance free operation. Knee joint is self-locking in the down position.

SUPPORT: Backstop shall be supported and suspended from 4" O.D., 11 gage steel mechanical tubing anchored to roof structure by means of heavy precision formed and/or welded steel support fittings. Fittings are designed to be capable of supporting a static load of at least 10,000 lbs., without deflection. Each support system is designed with sufficient attachment points to the roof framing structure to result in a (60:1) safety factor for support on entire backstop assembly. All 4" O.D. Superstructure tubes with a span exceeding 12' shall be reinforced with special welded bridge trussing. Overhead structure to include two S4 X 7.7 I-Beam style tracks to which the top of the backstop T-frame is attached by means of two four wheeled heavy-duty trolley assemblies.

GOAL: Goal shall mount directly through the bank and into a heavy structural steel weldment, which shall be clamped to the vertical 6" O.D., main mast to eliminate any strain on the bank should a player hang on the front of the mounted goal (see latest NCAA rules). The upper bank extension assembly shall provide the official NCAA and NFHS regulation of 6" (15.24 cm) minimum from the front of the main mast to the face of the backboard.

OPERATION: The main mast shall be suspended from at least two (2) custom adjustable hangers with bronze bushings. Offsets in the position of the hinges designed to place center of gravity forward of hinge point insuring that the unit locks securely and automatically into the playing position. This also enables the installer to guarantee precise plumbing and height adjustment of frame during installation. 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.

The main backstop frame shall pivot on 1¼" minimum solid steel shaft secured in a milled bearing hole in ½" minimum steel plate hangers to insure accurate positioning of bank. When backstop folds, trolleys shall move forward on tracks, allowing backstop to fold in a compact area.

The hoist cable shall be ¼" diameter galvanized aircraft cable with 7000 lbs. breaking strength. Backstop shall not be supplied with any winch. To operate, unit must utilize either the Model 503286 heavy duty worm gear type, wall mounted manual winch designed to hold backstop in any position during raising or lowering of backboard or the Model 503285 electrically operated, maintenance free instant reverse winch, specified separately. For complete specifications, see separate sheets.

FINISH: All metal parts shall be finished with choice of gloss black or gloss white powder coat. Other colors optionally available.

WARRANTY: There is a 25-year limited warranty on all Progressive backstop structures and fittings, limited lifetime warranty on all Progressive backboards when used in conjunction with the #800 Single Mast series Backstops.

OPTIONS: Backstop can be provided with any of several different styles of backboards, goals and padding. Specify types desired.

ACCESSORIES: See separate sheets for Height Adjuster, Safety Strap, and Control Systems.

LEED® Submittal Information

Credit	Measure	
MRc4 – Recycled Content	Post Consumer Average 51.21%	Post Industrial 0%
MRc5 – Regional Materials	Raw materials are commodity items from multiple sources so extraction point cannot be determined. Final Manufacturing/Assembly in Spiceland, IN 47385	

