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**CLAMPED REAR BRACED REAR FOLDING BENT MAST BACKSTOP**

DRAWN CONNERLEY	DATE 4/30/2003	DATE ISSUED 4/30/2003
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SIZE <b>A</b>	SCALE	SHT. NO. 1 OF 2	PART NO. <b>3206</b>	REV <b>F</b>
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## MODEL 3206

### **CLAMPED BENT SINGLE POST FRONT BRACED FRONT FOLDING BASKETBALL STRUCTURE**

#### **RECOMMENDED APPLICATION**

This unit is designed for applications not allowing sufficient space behind the backboard for a rear brace. This single post unit can be used at heights from 30' to 36'.

#### **SUPERSTRUCTURE**

Unit shall be supported from 3-1/2" O.D. x 0.120" wall ASTM A-500 Grade B horizontal and 2-3/8" O.D. x 12 gauge (0.109") wall ASTM A-500 Grade B vertical structural steel tubing secured to the building with heavy gauge steel stampings or weldments (as required by building conditions). When truss span widths exceed 10'-0", 3-1/2" O.D. x Schedule 40 (0.216") wall ASTM A-500 Grade B will be used for the horizontals. Spans over 14'-0" may use welded bridge pipe.

#### **BACKSTOP**

The backstop shall be of a single post design with a main vertical mast made of 6-5/8" O.D. x 0.120" wall ASTM A-513 structural steel tubing bent 30 degrees from vertical with 2-3/8" O.D. x 12 gauge (0.109") wall ASTM A-500 Grade B steel tube sway braces clamped in place. Main mast will be suspended from superstructure with a welded steel plate offset hanger 4" in front of the pivot point, less than 4" will not be approved as equal. Backstop shall be manufactured to allow 6" vertical adjustment for plumbing of the backboard. All fittings shall be heavy gauge steel stampings or weldments. A direct goal attachment is used to transfer stress from the goal to the main mast assembly preventing strain on the backboard.

Front brace shall be 2-3/8" O.D. x 12 gauge (0.109") wall ASTM A-500 Grade B steel tubing attached to the main mast 12" to 18" above the bend in the mast pipe. Folding brace shall be of a jackknife design with an adjustable hinge for easy installation and field adjustment. Backstop shall be raised and lowered with 1/4" galvanized aircraft cable with a breaking strength of 7000 lbs. Backstop shall be furnished with standard black finish. If special finish coat is required, specify final painting by painting contractor. Backstop manufactured in accordance with 1994 rule 1, section 8, stating that all parts of the backboard support system shall be at least 6" behind backboard.

#### **ACCESSORIES**

**Backboards and Goals** - See the backboards and goals section in the specification manual.

**Backboard Padding** - See the accessories section in the specification manual.

**Hoists** - Electric hoist or manual winch is available on all folding units. See the accessories section in the specification manual.

**Safstop Safety Locking Strap** - See the accessories section in the specification manual.

#### **Certifications**

Unit meets all requirements of the NCAA and NFHS. Unit complies with design standards of the California Department of State Architects.

Subject to design change and current manufacturing practices.