



			<div><div></div><div>Gared Holdings, LLC 9200 E. 146th St.      Noblesville, IN 46060</div></div>		<div>THIS DOCUMENT CONTAINS TRADE SECRET AND OTHER MATERIALS WHICH ARE PROTECTED BY CONFIDENTIALITY NOTICE AND AGREEMENT AND BY COPYRIGHT. ANY USE OR COPYING OF THIS DOCUMENT EXCEPT AS AUTHORIZED BY GARED HOLDINGS, LLC IS STRICTLY PROHIBITED.</div> <div>CLAMPED REAR BRACED REAR FOLDING BENT MAST BACKSTOP</div> <table><tr><td colspan="2">DRAWN CONNERLEY</td><td>DATE 4/30/2003</td><td colspan="2">DATE ISSUED 4/30/2003</td></tr><tr><td colspan="2">APPROVED</td><td>DATE</td><td colspan="2"></td></tr></table> <div>FILE LOC. Q:\Inventor Files\Specification Files\03_Single Post\3104</div> <table><tr><td>SIZE A</td><td>SCALE</td><td>SHT. NO. 1 OF 2</td><td>PART NO. 3204</td><td>REV E</td></tr></table>					DRAWN CONNERLEY		DATE 4/30/2003	DATE ISSUED 4/30/2003		APPROVED		DATE			SIZE A	SCALE	SHT. NO. 1 OF 2	PART NO. 3204	REV E
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E	JJC	08-06-19																						
D	RWP	06/05/09																						
C	RWP	05/16/08																						
B	WAE	12/19/06																						
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## **MODEL 3204**

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

#### **Recommended Application**

This unit is designed for applications allowing sufficient space behind the backboard for the unit to rear fold into a storage position. This single post unit can be used at heights from 30' to 36'.

#### **Overhead Structure**

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 may 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.

Rear brace shall be 2-3/8" O.D. x 14 gauge (0.083") wall ASTM A-500 Grade B steel tubing with a 1" x 2" rectangular tube welded reinforcement and shall be attached to the main mast 12" to 18" above the backboard. 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.