



Dimension "A" is shown for maximum elevation of the truss range and may vary to fit the exact attachment elevation and building structure.°

PN	TRUSS HEIGHT	DIM "A"	DIM "C"
3110HD-36	36' to 36.9' [10.97-11.27M]	12'-10" [3.90M]	16'-2 1/2" [4.94M]
3110HD-37	37' to 37.9' [11.28-11.57M]	13'-3" [4.04M]	16'-2 1/2" [4.94M]
3110HD-38	38' to 38.9' [11.58-11.87M]	13'-9" [4.19M]	16'-2 1/2" [4.94M]
3110HD-39	39' to 39.9' [11.88-12.18M]	14'-2" [4.33M]	16'-2 1/2" [4.94M]
3110HD-40	40' to 40.9' [12.19-12.49M]	14'-8" [4.47M]	16'-2 1/2" [4.94M]
3110HD-41	41' to 41.9' [12.50-12.80M]	15'-2" [4.61M]	16'-2 1/2" [4.94M]

REV	BY	DATE



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<b>CLAMPED REAR CEILING BRACED STATIONARY</b>				
DRAWN	CROSBY	DATE	6/25/2013	DATE ISSUED
APPROVED		DATE		
FILE LOC. Q:\Inventor Files\Specification Files\03_Single Post\3110				
SIZE	SCALE	SHT. NO.	PART NO.	REV
A		1 OF 2	3110HD	-



## MODEL 3110HD

### **Clamped Single Post, Rear Ceiling Braced, Stationary Basketball Backstop**

#### **Recommended Application**

This model is designed for those areas not requiring the structure to fold into a storage position. This unit is typically used when backstop is more than 10' from the wall or when the wall will not support wall mounted or braced units. This single post unit can be used at heights from 36' to 42'.

#### **Overhead Structure**

Unit shall be supported from 3-1/2" O.D. x 0.120" wall ASTM A-513 horizontal and 2-3/8" O.D. x 14 gauge (0.083") wall ASTM A-513 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 constructed of 6-5/8" O.D. x 0.120" wall ASTM A-500 Grade B structural steel tubing with 2-3/8" O.D. x 14 gauge (0.083") wall ASTM A-513 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 3" 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.

Ceiling brace shall be a welded truss section comprised of 2-3/8" O.D. x 14 gauge (0.083") wall and 1-5/16" O.D. ASTM A-513 steel tubing. It shall be attached to the main mast 12" to 18" above the bottom of mast pipe. 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.

All steel has a black powder coat finish, standard. Optional colors are available.

#### **Accessories**

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

**Backboard Padding** - 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. Unit is approved by FIBA for international Level 2 competition. Certificate of Approval available.

