

# 90219000 - UP FOLD BACKSTOP

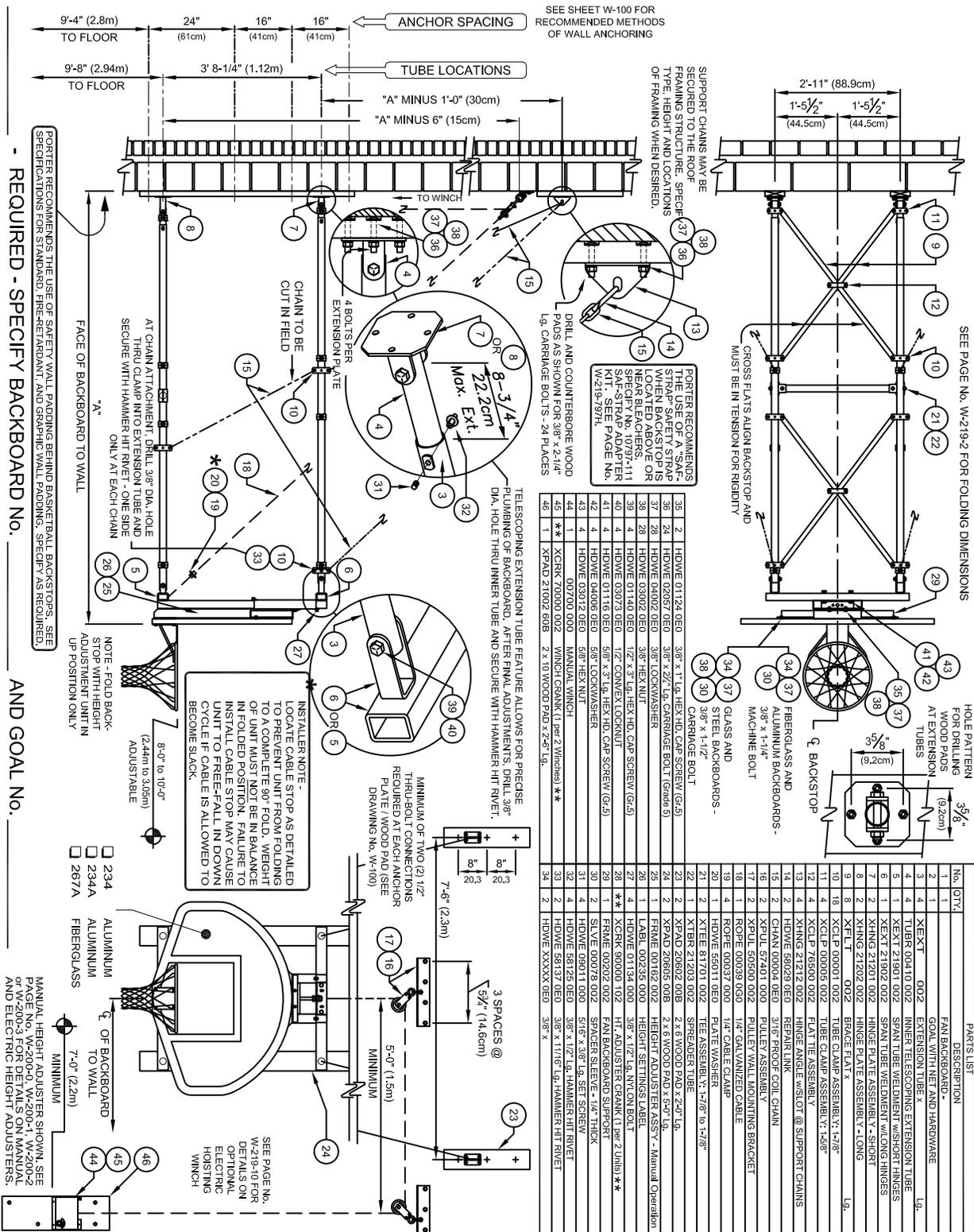
WALL-MOUNTED UP-FOLD BACKSTOP WITH CENTER-STRUT®  
HEIGHT ADJUSTER - FAN BACKBOARD - 10'-0 1/8" to 12'-0" EXTENSION

# Porter

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## BASKETBALL SPECIFICATION SHEET

W-219-F12H



SEE SHEET W-100 FOR  
RECOMMENDED METHODS  
OF WALL ANCHORING

SEE PAGE No. W-219-2 FOR FOLDING DIMENSIONS

SUPPORT CHAINS MAY BE  
SECURED TO THE ROOF  
FRAMING STRUCTURE. SPECIFIC  
TYPE, HEIGHT AND LOCATIONS  
OF FRAMING WHEN DESIRED.

PORTER RECOMMENDS  
THE USE OF A SAFETY  
STRAP SAFETY STRAP  
WHEN BACKSTOP IS  
MOUNTED ABOVE OR  
MOUNTED TO A WALL.  
SPECIFY No. 10797-111  
SAFETY STRAP ADAPTER  
KIT. SEE PAGE No.  
W-219-917H.

DRILL AND COUNTERBORE WOOD  
PADS AS SHOWN FOR 3/8" x 2-1/4"  
19. CARRIAGE BOLTS - 24 PLACES

TELESCOPING EXTENSION TUBE FEATURE ALLOWS FOR PRECISE  
PLUMBING OF BACKBOARD. AFTER FINAL ADJUSTMENTS, DRILL 3/8"  
DIA. HOLE THRU INNER TUBE AND SECURE WITH HAMMER HIT RIVET.

MINIMUM OF TWO (2) 1/2"  
THRU-BOLT CONNECTIONS  
REQUIRED AT EACH ANCHOR  
POINT. SEE DETAIL DRAWING No. W-100

INSTALLER NOTE -  
LOCATE CABLE STOP AS DETAILED  
TO PREVENT UNIT FROM FOLDING  
TO A COMPLETE 90° FOLD. WEIGHT  
OF UNIT MUST NOT BE IN BALANCE  
IN FOLDED POSITION. FAILURE TO  
INSTALL CABLE STOP MAY CAUSE  
UNIT TO FREE-FALL IN DOWN  
CYCLE IF CABLE IS ALLOWED TO  
BECOME SLACK.

NOTE - FOLD BACK-  
STOP WITH HEIGHT  
ADJUSTER UNIT IN  
UP POSITION ONLY!

PORTER RECOMMENDS THE USE OF SAFETY WALL PADDING BEHIND BASKETBALL BACKSTOPS. SEE  
SPECIFICATIONS FOR STANDARD, FIRE-RATED, AND GRAPHIC WALL PADDING. SPECIFY AS REQUIRED.

REQUIRED - SPECIFY BACKBOARD NO. \_\_\_\_\_

AND GOAL NO. \_\_\_\_\_

No.	QTY.	DESCRIPTION
1	1	FAN BACKBOARD -
2	1	GOAL WITH NET AND HARDWARE
3	1	EXTENSION TUBE x
4	4	TUBING 004 10 002 INNER TELESCOPING EXTENSION TUBE
5	4	XEXT 21901 002 SPAN TUBE W/ ELEMENT W/ SHIRT HINGERS
6	1	XEXT 21902 002 SPAN TUBE W/ ELEMENT W/ LONG HINGERS
7	2	XHNG 21201 002 HINGE PLATE ASSEMBLY - SHORT
8	2	XHNG 21202 002 HINGE PLATE ASSEMBLY - LONG
9	8	XFLT 002 BRACE FLAT x
10	18	XCLP 00001 002 TUBE CLAMP ASSEMBLY - 1/8"
11	4	XCLP 00005 002 TUBE CLAMP ASSEMBLY - 1/8"
12	4	XCLP 76500 002 FLAT THE ASSEMBLY
13	4	XHNG 21212 002 HINGE ANGLE W/ SLOT @ SUPPORT CHAINS
14	2	HDWE 58029 050 REPAIR LINK
15	2	CHAN 00004 050 3/16 PROOF COIL CHAIN
16	2	XPL 97401 002 RULER ASSEMBLY
17	2	XPL 98390 002 1/4" GALV. ALUM. HANGING BRACKET
18	4	ROPE 00037 000 1/4" CABLE STRAP
19	4	HDWE 59011 050 PLATE WASHER
20	1	XITE 81701 002 TEE ASSEMBLY - 1/8" to 1/8"
21	2	XITE 81701 002 TEE ASSEMBLY - 1/8" to 1/8"
22	1	XIBB 21203 002 SPREADER TUBE
23	2	XPAD 20602 008 2 x 8 WOOD PAD x 2-5/8" LG.
24	2	XPAD 20605 008 2 x 8 WOOD PAD x 5-9/8" LG.
25	2	FRME 00162 002 HEIGHT ADJUSTER ASSY - Manual Operation
26	1	LABL 00235 000 HEIGHT SETTINGS LABEL
27	2	HDWE 01134 000 3/8" x 1/2" LG. NYLON BOLT
28	**	XCRK 90000 102 HT. ADJUSTER CRANK (1 pair 2 Units) **
29	1	FRME 00202 002 FAN BACKBOARD SUPPORT
30	2	SLVE 00078 002 SPACER SLEEVE - 1/4" THICK
31	4	HDWE 09011 000 5/16" x 3/8" LG. SET SCREW
32	4	HDWE 09125 050 3/8" x 1/2" LG. HAMMER HIT RIVET
33	4	HDWE 09137 050 3/8" x 1 1/8" LG. HAMMER HIT RIVET
34	2	HDWE XXXXX 050 3/8" x
35	2	HDWE 01124 050 3/8" x 1 1/8" HEX HD. CAP SCREW (G-5)
36	24	HDWE 02057 050 3/8" x 2 1/4" LG. CARRIAGE BOLT (Grade 5)
37	28	HDWE 04002 050 3/8" LOCKWASHER
38	28	HDWE 03002 050 3/8" HEX NUT
39	4	HDWE 01440 050 1/2" x 3 1/4" HEX HD. CAP SCREW (G-5)
40	4	HDWE 03073 050 1/2" x 3 1/4" HEX HD. CAP SCREW (G-5)
41	4	HDWE 01116 050 5/8" x 3 1/4" HEX HD. CAP SCREW (G-5)
42	4	HDWE 04006 050 5/8" LOCKWASHER
43	4	HDWE 03012 050 5/8" HEX NUT
44	1	00700 002 MANUAL WINCH
45	**	XCRK 70000 002 WINCH CRANK (1 pair 2 Winches) **
46	1	XPAD 21002 808 2 x 10 WOOD PAD 2-5/8" LG.

# 90219000 - UP FOLD BACKSTOP

WALL-MOUNTED UP-FOLD BACKSTOP WITH CENTER-STRUT®  
HEIGHT ADJUSTER - FAN BACKBOARD - 10'-0 $\frac{1}{8}$ " to 12'-0" EXTENSION

## SPECIFICATIONS

### PORTER No. 00219- WALL-MOUNTED FOLD-UP BACKSTOP WITH CENTER-STRUT® HEIGHT ADJUSTMENT UNIT FOR FAN BACKBOARD AND RECTANGULAR FIBERGLASS BACKBOARD

Backstop shall be wall-mounted fold-up type with face of backboard extended 10' 0-1/8" to 12'-0" from supporting wall. Specify extension.

Extension frames shall be fabricated of four (4) 1-7/8" O.D. tubes with a telescoping end section for ease of installation, and precise plumbing and alignment of backboard with official court markings, even when supported on uneven wall conditions. Ends of extension frame assemblies shall be drilled and bolted to fabricated steel hinge plates for attachment to the backside of the backboard and to the wall pads. Hinge plates shall be offset-type to allow backstop to be folded in an almost vertical storage position against the wall.

Backstop shall be horizontally braced with eight (8) 3/16" x 1-1/4" steel tension flats attached at both ends with precision die-formed clamps and joined at their intersections with bolted steel fittings. The lower extension tubes shall be braced mid-span by a 1-7/8" O. D. tube attached with ductile iron "T" casting assemblies. Two (2) chain supports (3/16" proof coil chain) shall extend diagonally from the wall to the upper extension tubes, terminating in clamp-type fittings. Two (2) chain supports (3/16" proof coil chain) and clamp-type fittings shall be provided for additional vertical bracing between the extension tubes.

Southern yellow pine wall pads shall be provided at wall attachment points at extension frames and chain supports. All edges shall be chamfered and pads shall be finished with two finish coats of natural gloss lacquer.

Winch shall be worm gear type, designed to hold unit at any position when raising or lowering backstop. Handle shall be removable and shall provide sufficient leverage to facilitate easy raising of the backstop. Winch drum and gears shall be fully enclosed with a plated steel cover. Hoisting cable shall be 1/4" diameter galvanized aircraft cable, operating through 4" diameter pulleys enroute to the winch.

Height adjustment unit shall be designed to provide an adjustable, direct mount Center-Strut® goal attachment system to eliminate any strain on the backboard, should a player hang on the front mounted goal. Height adjustment units without the prescribed direct mount goal feature will not be approved as equal. Height adjustment feature will allow goal height settings from 8'-0" to the official 10'-0" for use by all age groups. Unit shall be designed for use only with Porter No. 267A fan fiberglass, No. 234 or 234A fan aluminum, or No. 216 rectangular fiberglass backboards and companion front-mount type goal.

Center unitized support frame of height adjustment unit shall be fabricated by dual, 2-3/16" square heavy wall zinc plated guide tubes located on 11-3/16" centers. Ends of guide tubes shall be welded to heavy mounting brackets. Outer dual slide tubes shall support heavy structural steel angle sections which extend downward to accept a direct mount Center-Strut® goal mounting system. Slide tube assembly shall be provided with a heavy, formed steel section to attach a special upper backboard support assembly to secure the unit to the upper two corners of the fan-shaped backboard.

Height adjustment unit shall incorporate a centrally located 3/4" diameter Acme threaded rod equipped with precision, hardened steel roller thrust bearings for ease of operation from the playing floor by means of an awning crank-type mechanism. Height adjustment system shall incorporate an internal, spring-loaded height locking mechanism to automatically lock and hold unit at any desired goal height during play. Lock mechanism automatically releases when height setting changes are made with adjustment crank assembly. Adjustment crank assembly shall be provided with each pair of height adjustment units. A height setting scale shall be located on the side of the unit to visually determine height settings from 8'-0" to 10'-0" in 3" increments.

Limited Lifetime warranty on Porter fan-shaped fiberglass (267A), fan-shaped aluminum (234 or 234A), or rectangular fiberglass (216) backboards when used in conjunction with Porter Center-Strut® height adjustment unit installed on a Porter No. 219 Wall-Mounted Backstop.

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

Specify backboard and goal as required.

#### OPTIONAL ITEMS TO SPECIFY

See Page No. W-219-797H for specifications on Porter No. 10797-111 Saf-Strap Adapter Kit.

ISSUED OCTOBER 1, 2015, SUBJECT TO CURRENT MANUFACTURING PROCEDURES AND CHANGES  
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BASKETBALL SPECIFICATION SHEET

W-219-F12H

10/1/2015

