90623000 - BACKWARD FOLD BACKSTOP

CEILING SUSPENDED, BACKWARD FOLD, REAR BRACED UNIT
18' TO 25' ATTACHMENT HEIGHT

GENERAL NOTES:
(SEE LEFT SIDE FOR COMPLETE PRODUCT SPECIFICATION)

1. SUPERSTRUCTURE SUPPLIED FOR EXISTING BUILDING CONDITION.
2. BACKSTOP SHALL BE SUPPORTED FROM SLIP-ON O.D. PIPE AND SECURED IN WRACK WITH PRE-ASSEMBLY FORMED SUPPORT FITTINGS.
3. SPECIAL ATTACHMENT BARS TO COMPARE WITH EXISTING DESIGN. LOCATED BY PORTER, DESIGNED BY ARCHITECT AND INSTALLED BY CONTRACTOR TO ENSURE EXISTING PIPE BELOW CEILING.
5. MINIMUM DISTANCE FROM CEILING TO WALL IS 1'-11 1/2".
6. INTERNAL OPTS FOR A 5" STUD (ALSO AVAILABLE FOR PRECISE PLUMBING OF UNIT).

OPTIONAL FEATURES:
1. BACKBOARD HEIGHT ADJUSTMENT - WILL RISE AND LOWER BOARD HEIGHT FROM 5'-11" TO 6'-8" ABOVE FINISHED FLOORS. SEE PAGE 1001-000 BACKBOARD FOR DETAILS.
2. BACKBOARD RECOMMENDED ON UNITS LOCATED OVER BLACK-OUT AREAS. AUTOMATIC RETRACTING TYPE MECHANISM WILL LOCK BACKBOARD IN POSITION AFTER FALLING TOOLE. SEE PAGE 1002-000 FOR DETAILS AND SPECIFICATIONS. SPECIFY ALL BACKBOARD TRIM ELECTRICRetracting.
3. ELECTRIC OPERATION - SEE PAGE 1003-000 FOR DETAILS AND SPECIFICATIONS. SPECIFY ALL BACKBOARD TRIM ELECTRIC Retracting.
4. BACKBOARD SAFETY PADDING - BACKBOARD PADDING RECOMMENDED FOR FALLING IN AREAS WHERE PLAYERS CAN DAMAGE BACKBOARD. SPECIFY PADDING AS REQUIRED.

<table>
<thead>
<tr>
<th>ATTACHMENT HEIGHT</th>
<th>BACKBOARD WIDTH</th>
<th>HORIZONTAL FOLD DIAMETER</th>
<th>FACE OF BACKBOARD TO C' OF UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>18'</td>
<td>12'-6&quot;</td>
<td>7'-6&quot;</td>
<td>7'-6&quot;</td>
</tr>
<tr>
<td>20'</td>
<td>12'-6&quot;</td>
<td>7'-6&quot;</td>
<td>7'-6&quot;</td>
</tr>
<tr>
<td>22'</td>
<td>12'-6&quot;</td>
<td>7'-6&quot;</td>
<td>7'-6&quot;</td>
</tr>
<tr>
<td>24'</td>
<td>12'-6&quot;</td>
<td>7'-6&quot;</td>
<td>7'-6&quot;</td>
</tr>
</tbody>
</table>

*SUBTRACT AN ADDITIONAL 2" WHEN UNIT HAS HEIGHT ADJUSTER OPTION

DIMENSIONS:
FACE OF BACKBOARD TO CENTERLINE OF TOP HANGER: 3 1/4".

<table>
<thead>
<tr>
<th>BACKBOARD WIDTH</th>
<th>HEIGHT ADJUSTMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>N/A</td>
</tr>
<tr>
<td>200</td>
<td>12'-6&quot;</td>
</tr>
<tr>
<td>200</td>
<td>7'-6&quot;</td>
</tr>
</tbody>
</table>

RECTANGULAR BACKBOARDS AVAILABLE WITH OFFICIAL 2" THICK BOTTOM EDGE PADDING. SPECIFY IF REQUIRED.

PROJECT NUMBER: 90623-000
PROJECT NAME: BACKWARD FOLD, REAR-BRACED BACKSTOP

PORTER®
888-277-7778  PORTER@PORTERATHLETIC.COM
© COPYRIGHT 2015 PORTER ATHLETIC - ALL RIGHTS RESERVED

10/1/2015
90623000 - BACKWARD FOLD BACKSTOP

CEILING SUSPENDED, BACKWARD FOLD, REAR BRACED UNIT
18' TO 25' ATTACHMENT HEIGHT

SPECIFICATIONS

PORTER No. 623 "UNI-FRAME" BACKSTOP WITH "CLEAR-VU" FEATURE
(FOR ATTACHMENT HEIGHTS UP TO 25')

Vertical front drop frame assembly “Uni-Frame” shall consist of 2-3/8" O.D. drop pipes spaced on 5'-9" centers to “Hide” behind the vertical perimeter markings on the (optional) rectangular glass backboard. Frame shall be horizontally braced above the backboard by 2-3/8" OD. spreaders spaced on approximately 4'-0" centers. Both ends of horizontal spreaders shall be saddle (die) cut to fit the outside diameter of the 2-3/8" OD. drop pipes. Each connection of vertical and horizontal pipes shall be welded to form “Uni-Frame” type construction for maximum strength and resistance to vibration. (Drop frames with flattened or pinch cut type connections will not be approved as equal.) On installations exceeding 25’ attachment heights - specify 90623-W. Special formed steel backboard attachment fittings shall provide the official N.C.A.A. and NFHS regulation of 6" (15.24cm) from the front of the "Uni-Frame" to the face of the backboard.

“Uni-Frame” shall be suspended by special adjustable hangers to provide for precise plumbing of frame during installation. Support hangers shall be offset 2" behind centerline of “Uni-Frame” to properly weight lock unit in playing position without the use of ropes, latches or springs. Backstop to operate with double 1-7/8" O.D. back brace assemblies with a folding knee joint. Knee joint to incorporate precision investment castings with a special internal torsion spring design to lock brace assembly firmly in playing position. Knee joint assembly shall be designed with an in-line pivot design to maximize backstop stability during aggressive play. Knee joint is easily disengaged by upward force of hoist cable on 1-7/8" O.D. spreader pipe connecting the two back brace assemblies near the knee joints.

Backstop shall be supported from 3-1/2" O.D. pipe anchored to roof framing members by means of heavy, formed steel support fittings. Each support fitting (supplied by the backstop manufacturer) to the roof framing, must be capable of supporting a load exceeding 10,000 pounds, with sufficient attachment points to acquire a 60:1 safety factor for support of the entire backstop superstructure system. Certified test results shall be furnished upon request. All cap screws shall be rated a minimum SAE Grade 5. Grade 2 cap screws will not be approved as equal. Superstructure pipes to be reinforced with special bridging or bracing when truss centers exceed spans of 14'-0".

Backstop shall be provided as standard with heavy duty, fully enclosed worm gear type winch, designed to hold unit at any position when raising or lowering backstop. (Electrically operated units optional - See page No. B-706-1.) Hoist cable shall be 1/4" diameter galvanized aircraft cable with 7,000 lb. ultimate breaking strength. Swivel pulley shall be furnished with a 4" diameter cast (ductile iron) pulley sheave with a maintenance free, oil-impregnated bearing for proper hoist cable routing to winch. Pulley assembly and attachment to 3-1/2" O.D. support structure shall be rated at a minimum 9,000 pound load rating. Certified test results shall be furnished upon request.

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

Backstop available with any Porter rectangular shaped backboard – specify.

OPTIONAL CENTER-STRUT® HEIGHT ADJUSTMENT UNIT

For Manual Operation, See Page No.: B-600-506
For Key Switch Operation, See Page No.: B-601-506
For Powr-Stick Operation, See Page No.: B-602-506
For Sportsonic®II Operation, See Page No.: B-603-506
For POWR-Touch® Operation, See Page No.: B-604-506

OPTIONAL ITEMS TO SPECIFY
☐ Backboard Safety Padding
☐ No. 10797-100 Safety Strap (Recommended on units located over bleachers).

ISSUED OCTOBER 1, 2015, SUBJECT TO CURRENT MANUFACTURING PROCEDURES AND CHANGES
COPYRIGHT 2015 - PORTER ATHLETIC - ALL RIGHTS RESERVED
PORTER@PORTERATHLETIC.COM