| 1 Hour Fire-Rated Construction | Non-Loadbearing | | | |
|---|---|---|---|---|
| wt. 6<br>4⅞" | • 5/8" Sheetrock Firecode Core gypsum panels, or 5/8" Sheetrock UltraLight Firecode X panels or 5/8" Fiberock panels<br>– 3-1/2" 25 gauge steel studs 24" o.c.<br>– optional Insulation<br>– optional RC-1 channel | UL Des U419 | 40 | **USG-860808**<br>Based on 5/8" Sheetrock Firecode Core panels |
| | | | 48 | **RAL-TL-11-068**<br>Based on 5/8" Sheetrock Firecode Core panels or 5/8" Sheetrock UltraLight Firecode X panels, R-11 fiberglass sound bat |
| | | | 49 | **SA-870-717**<br>Based on 5/8" Sheetrock Firecode Core panels, 3" mineral fiber insulation |
| | | | 52 | **RAL-TL-11-071**<br>Based on 5/8" Sheetrock UltraLight Firecode X panels, R-11 fiberglass sound bat, RC-1 channel |
| | | | 53 | **RAL-TL-11-076**<br>Based on 5/8" Sheetrock Firecode panels, R-11 fiberglass sound bat, RC-1 channel |
| | | | 54 | **RAL-TL-11-076**<br>Based on 5/8" Sheetrock Firecode panels, 3" mineral fiber insulation, RC-1 channel |
| | | | 52 | **STC-120310**<br>Based on 5/8" Sheetrock Firecode panels, 4" 20 gauge steel studs 12" o.c., 3" mineral wool insulation, RC-1 channel |
| | | | 52 | **STC-120306**<br>Based on 5/8" Sheetrock Firecode panels 4" 20 gauge steel studs 16" o.c., 3-1/2" glass fiber insulation, RC-1 channel |
| | | | 54 | **STC-120307**<br>Based on 5/8" Sheetrock Firecode panels, 4" 20 gauge steel studs 16" o.c., 4" mineral wool insulation, RC-1 channel |
| | | | 53 | **STC-120308**<br>Based on 5/8" Sheetrock Firecode panels, 4" 20 gauge steel studs 16" o.c., 3" mineral wool insulation, RC-1 channel |

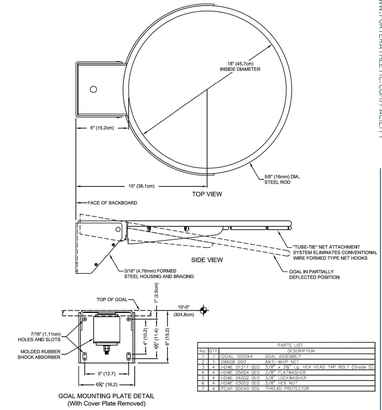
6 1 HR U.L. U 419 WALL
1/2" = 1'-0"

| 1 Hour Fire-Rated Construction | Steel C-Joist Framing | | Acoustical Performance | | |
|---|---|---|---|---|---|
| Construction Detail | Description | Test Number | STC | IIC | Test Number |
| clg. wt. 4<br>9⅝" | • Two layers 1/2" Sheetrock Firecode C Core gypsum panels<br>– 7" 18 gauge steel joists 24" o.c.<br>• USG DGL Drywall Suspension System | UL Des L524 | 39 | | **USG-760105**<br>Based on 9-1/2" 16 gauge steel joists |
| | | | 43 | | **USG-760310**<br>Based on 9-1/2" 16 gauge steel joists and 3" mineral wool batt |
| | | | 56 | | **USG-760106**<br>Based on 9-1/2" 16 gauge steel joists and carpet pad |
| | | | 60 | | **USG-760405**<br>Based on 9-1/2" 16 gauge steel joists and carpet pad with 3" mineral wool batt |

7 1 HR U.L. L524 CEILING
1/2" = 1'-0"

## 22302 - POWR-FLEX GOAL

WITH TUBE TIE NET ATTACHMENT, MOUNTING HARDWARE, AND NET




| PART NO. LIST | | | | |
|---|---|---|---|---|
| No. | QTY | | | DESCRIPTION |
| 1 | 1 | GOAL-300SR | GOAL-300SR | |
| 2 | 1 | WSHR-300 | WSHR-300 | |
| 3 | 4 | CSHM-2U812-300 | 2-1/2" x 1/2" - 1/4"-20 | 1/4" 300 / Grade 18 |
| 4 | 4 | HEXN-1/4-300 | 1/4" - 20 HEXNUT | |
| 5 | 4 | CSHM-2U812-300 | 2-1/2" x 1/2" - 1/4"-20 | 1/4" 300 / Grade 18 |
| 6 | 4 | HEXN-1/4-300 | 1/4" - 20 HEX NUT | |
| 7 | 4 | SCAP-300SR-300 | SHROUD PROTECTOR | |

22302 WITH MOUNTING HARDWARE AND NYLON NET
SEE B-200 FOR COMPATABLE BACKBOARDS

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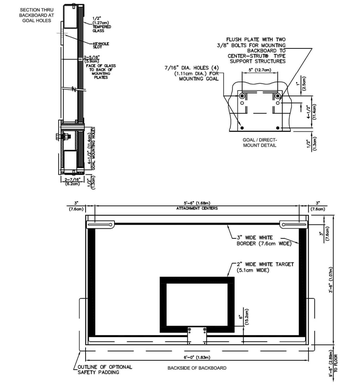
## 208 - RECTANGULAR GLASS BACKBOARD

GLASS BACKBOARD WITH ALUMINUM-FACED STEEL FRAME UNIT
MEETS ALL NCAA, NFHA, AND PROFESSIONAL REQUIREMENTS




- 208 GLASS WITH ALUMINUM-FACED STEEL FRAME UNIT
- 208L1 BACKBOARD WITH FACTORY INSTALLED LED LIGHTS (SEE B-821L1)
- 208L2 BACKBOARD WITH FACTORY INSTALLED SYNCHRONIZER (SEE B-821L1)
- SEE B-200 FOR GOAL AND PADDING OPTIONS

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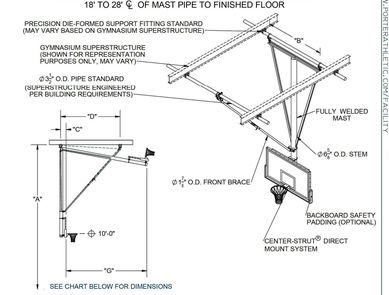
## 90949000 - FORWARD FOLD BACKSTOP

CEILING SUSPENDED, FORWARD FOLD,FRONT BRACED UNIT
18' TO 28' ℄ OF MAST PIPE TO FINISHED FLOOR




SEE CHART BELOW FOR DIMENSIONS

| "A" BOTTOM OF BACKBOARD ABOVE FINISHED FLOOR | "B" MAST HEIGHT (CENTER) | FACE OF BACKBOARD TO MAST HANGER | "C" FRONT BRACE DIMENSION (WITHIN 6") | "D" HORIZONTAL BRACE DIMENSION |
|---|---|---|---|---|
| 18'-0" to 19'-0" | 9'-0" | SEE DIMENSION CHART | 3'-0" | 8'-0" |
| 19'-1/8" to 20'-0" | 9'-0" | | 4'-0" | 9'-0" |
| 20'-1/8" to 21'-0" | 9'-0" | | 5'-0" | 10'-0" |
| 21'-1/8" to 22'-0" | 9'-6" | | 6'-0" | 11'-0" |
| 22'-1/8" to 23'-0" | 6'-0" | | 7'-0" | 12'-0" |
| 23'-1/8" to 24'-0" | 6'-0" | | 8'-0" | 13'-0" |
| 24'-1/8" to 25'-0" | 6'-6" | | 9'-0" | 14'-0" |
| 25'-1/8" to 26'-0" | 6'-6" | | 10'-0" | 15'-0" |
| 26'-1/8" to 27'-0" | 7'-0" | | 11'-0" | 16'-0" |
| 27'-1/8" to 28'-0" | 7'-0" | | 12'-0" | 17'-0" |

| "G" DIMENSION CHART - FACE OF BACKBOARD TO CENTERLINE OF MAST HANGER | | | |
|---|---|---|---|
| BACKBOARD MODEL NUMBER | DESCRIPTION | WITHOUT HEIGHT ADJUSTER | WITH HEIGHT ADJUSTER |
| 208 | RECTANGULAR GLASS | 11-5/8" | 14-3/16" |
| 218 | RECTANGULAR FIBERGLASS | 11-3/8" | 13-15/16" |
| 234A | FAN ALUMINUM | 10-13/16" | 13-3/8" |
| 267A | FAN FIBERGLASS | 10-3/4" | 13-5/16" |

*UNITS UNDER 20' BOTTOM OF STRUCTURE REQUIRE ½" ADDITIONAL OFFSET

- 90949000 CEILING SUSPENDED, FORWARD FOLD,FRONT BRACED UNIT
- BACKBOARD SELECTION
- GOAL SELECTION
- PADDING SELECTION

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## 22302 - POWR-FLEX GOAL

WITH TUBE TIE NET ATTACHMENT, MOUNTING HARDWARE, AND NET

**SPECIFICATIONS**

Shock absorption feature shall be provided by means of a special, offset hinge arrangement rim and backplate mounting housing and a concealed molded rubber shock absorber. Hinge shall be positioned to place goal return impact forces in shear (parallel) to minimize oscillation induced into the face of the backboard. Shock absorber shall be molded from a special rubber formulation (spec. D-2000 ASTM 2 BC 725 B14C12FI7G2I) to dampen and minimize vibrations and fatigue in backboard. Front of rim shall deflect downward up to 2-1/16" when a static load of 250 pounds is applied and instantly return to playing position when load is released.

Function of goal shall meet the NCAA specifications on moveable rims, which states "A moveable basket ring shall have rebound characteristics identical to those of a non-moveable ring." Goal shall be set at factory for proper flex and rebound requirements.

Rim shall be fabricated from 5/8" diameter cold drawn alloy steel, round formed to an 18" inside diameter ring. Inside diameter of ring shall be positioned 6" from face of backboard by a heavy formed steel, hinged type housing with a removable cover to conceal mounting bolts and entire shock absorption mechanism of goal, and also protect against finger entrapment. Goal mounting plate shall be provided with hardware and a 5" x 4" mounting hole pattern for front mounting on standard glass, wood and fiberglass type backboards and is also compatible for use with all Center-Strut direct mount type support frames.

Rim shall be rigidly braced by means of a 3/16" (4.7mm) thick formed and die cut steel brace welded in position on the underside of the rim for maximum support. Rim shall be provided with a unique "tube-tie" net attachment system to eliminate the conventional wire-formed type net locks for additional player safety.

Goal shall be furnished in a durable, official orange powder-coat finish.

Goal shall be furnished complete with plated mounting hardware and an anti-whip net. Mounting bolts shall be SAE Grade 5.

For details on compatable backboards see B-200.

WARRANTY
• 22302 goals furnished with a 5-year limited warranty.

OPTIONAL ITEMS (SEE SPECIFICATION SHEETS FOR DETAIL)
• Fair-Court Basketball Rim Testing System (ERT2003NCAA)
• RING001 - Training aid shooters ring
• RING002 - Training aid rebound ring

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PROVIDE 6 EACH - COMPLETE INSTALLED

3 BASKETBALL HOOP
1/2" = 1'-0"

## 208 - RECTANGULAR GLASS BACKBOARD

GLASS BACKBOARD WITH ALUMINUM-FACED STEEL FRAME UNIT
MEETS ALL NCAA, NFHA, AND PROFESSIONAL REQUIREMENTS

**SPECIFICATIONS**

Backboard shall be 3'-6" x 6'-0" to meet all NCAA, NFHS and professional requirements.

Backboard frame shall be of a welded, unitized construction fabricated from heavy wall rectangular steel tubing, aluminum-faced for professional appearance. Unitized frame shall be designed for use only on direct goal mounting (Center-Strut®) type support structures.

Unitized frame shall be designed to allow the bottom two goal mount holes to pass beneath the glass section to further alleviate stress on the glass. Backside of goal mount structure is provided with two mounting holes and hardware to independently secure backboard to a direct mount goal feature which relieves all stress and shock on the backboard frame conforming to the latest NCAA Rules. Backboard frame shall be furnished with heavy steel gusset plates in the top two corners incorporating keyhole slots for mounting the backboard to direct-mount type support structures. Rear backboard frame shall be finished in a durable neutral gray powder coated finish.

Glass shall be provided in 1/2" thick, fully tempered (heat-treated) glass section with uniform load and impact strength. Official white border and target area is "fired in" permanently on front side of glass section so that it cannot wear away. Glass section shall be secured to unitized rear frame by means of an attractive, L-shaped brushed aluminum extrusion for optimum durability. Front perimeter frame shall be secured to unitized rear frame with structural truss head rivets. Glass section shall be fitted with shock absorbing neoprene material to cushion and protect the glass section. Goal mounting holes (4) to be on standard 5" (horizontal) x 4-1/2" (vertical) mounting centers (see B-200 for goal options).

WARRANTY
• 208 backboards protected by a limited lifetime warranty when installed on Porter Center-Strut® support systems.

OPTIONAL ITEMS (SEE SPECIFICATION SHEETS FOR DETAIL)
• Padding (see B-200)
• 821208 LED Light Set for 208 board (not installed in factory)
• 8212081 LED Synchronizer (not installed in factory)

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PROVIDE 6 EACH - COMPLETE INSTALLED

2 BASKETBALL BACKBOARD
1/2" = 1'-0"

## 90949000 - FORWARD FOLD BACKSTOP

CEILING SUSPENDED, FORWARD FOLD,FRONT BRACED UNIT
18' TO 28' ℄ OF MAST PIPE TO FINISHED FLOOR

**SPECIFICATIONS**

Basketball backstop shall consist of a main center mast of 6-5/8" O.D. heavy-wall structural steel tube with diagonal side sway braces of 2-1/2" x 1-1/2" rectangular steel tubing. Ends of diagonal brace tubes shall be fully welded to main mast. Top horizontal mast member to be of a heavy 4" structural channel to support adjustable suspension hangers. Mast shall be fully welded and suspended by adjustable hangers (2) to provide for precise plumbing of frame during installation. Support hangers shall be offset a minimum of 1-1/2" behind centerline of welded mast to properly weight lock unit in playing position.

Goal shall mount directly through backboard and into a heavy structural steel Center-Strut® weldment which shall be clamped to the vertical 6-5/8" O.D. center support to eliminate any strain on backboard should a player hang on the front mounted goal (conforms to the NCAA latest rules). All fittings shall be attached to the 6-5/8" O.D. vertical drop tube by heavy 1/4" thick precision saddle die-cut formed steel fittings secured in place by 5/8" diameter U'-Bolt type hardware.

Backstop to operate with a 1-7/8" O.D. front brace assembly with a folding knee joint. Knee joint to incorporate an internal torsion spring design to lock brace assembly firmly in playing position. Hoist cable shall automatically disengage brace knee joint during the hoist cycle.

Backstop shall be supported from pipe anchored to roof framing members by precision die formed support fittings or custom attachments as required. All cap screws shall be rated a minimum SAE Grade 5. Grade 2 cap screws will not be approved as equal. Bridged pipes may be requirec when spans exceed 14'.

All metal parts shall be powder coated. See swatch card SMPL00048037 for standard color options. (contact Porter for custom color requests)

Backstop provided with specified backboard and goal (see B-200 for options).

See winch specifications for more information on included Porter winch system and control options. (manual- see B-700, electric- see B-701)

(NOTE- Due to the front brace configuration, the No. 949 backstop is not recommended for competition use. For front braced competition play backstops Porter recommends model No. 950.)

WARRANTY
• No. 900 Center-Strut® series backstop structure comes with a 25 year limited warranty.
• Limited Lifetime warranty on all Porter backboards when used in conjunction with the No. 900 Center-Strut® series backstop.
• Other components may be covered by their own warranty (see corresponding specifications for more details).

OPTIONAL ITEMS (SEE SPECIFICATION SHEETS FOR DETAIL)
• Backboard safety padding (see B-200)
• Height Adjuster (8' to 10' adjustable goal height) (see chart below)
• Saf-Strap (No. 1079T100)

CENTER-STRUT® HEIGHT ADJUSTER
• For Manual Operation, See Page No.: B-900-506 (Rectangular Boards) B-900-211 (Fan Boards)
• For Key Switch Operation, See Page No.: B-901-506 (Rectangular Boards) B-901-211 (Fan Boards)
• For Power-Stick Operation, See Page No.: B-902-506 (Rectangular Boards) B-902-211 (Fan Boards)
• For Sportsaver® II Operation, See Page No.: B-903-506 (Rectangular Boards) B-903-211 (Fan Boards)
• For Power-Touch Operation, See Page No.: B-904-506 (Rectangular Boards) B-904-211 (Fan Boards)

LEED® SUBMITTAL INFORMATION

| Credit | Measure | |
|---|---|---|
| MRc4-Recycled Content | Post Consumer Average 25.0% | Post Industrial 0% |
| MRc5-Regional Materials | Raw materials originate from multiple sources so origin point cannot be determined. Final Manufacturing/Assembly in Champaign, IL 61822 | |

CERTIFICATIONS
• Certified by the NCAA and NFHS

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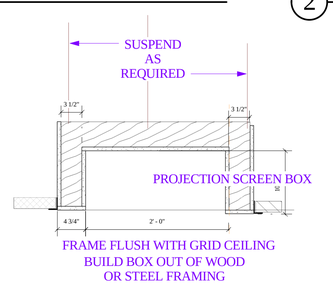
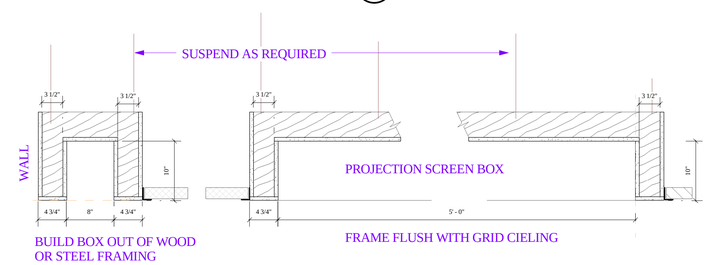
PROVIDE 6 EACH - COMPLETE INSTALLED

1 BASKETBALL STANDARD 1
1/2" = 1'-0"




5 RECESSED PROJECTOR
1" = 1'-0"




4 RECESSED SCREEN
1" = 1'-0"

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LICENSED ARCHITECT AR 1710
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STATE OF IDAHO

ADAMS COUNTY COMMUNITY CENTER
107 MICHIGAN STREET
COUNCIL, IDAHO

| Project Number | |
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| Date: 10/24/2018 12:02:44 PM | |
| Drawn By: | Author |
| Checked By: | Checker |
| Revisions | |

A5.7
INTERIOR DETAILING