

# 91910200 - POWR-NET VOLLEYBALL SYSTEM

POWR-NET, OVERHEAD SUPPORTED, FOLD UP UNIT  
MAX THREE NETS

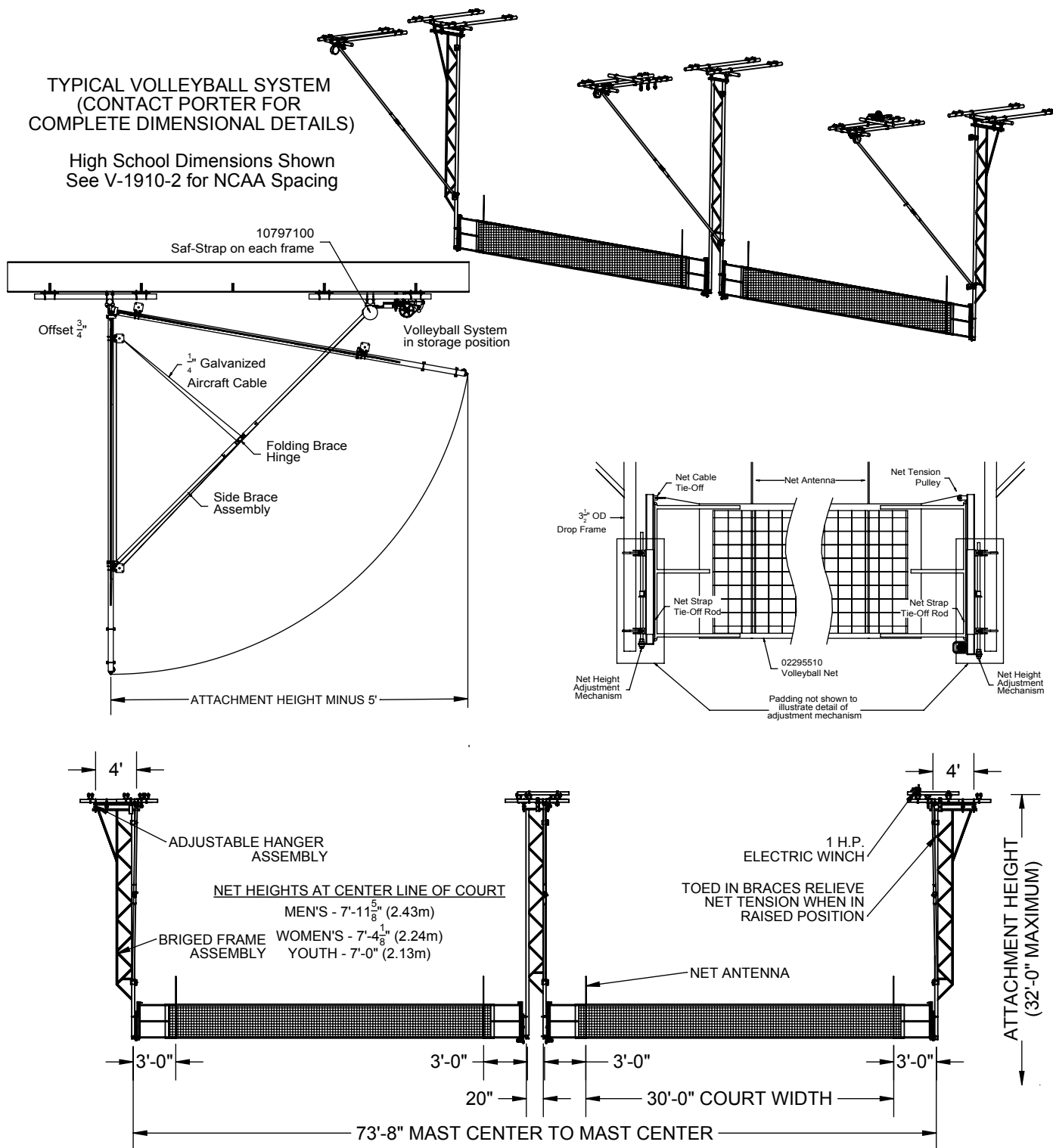
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VOLLEYBALL SPECIFICATION SHEET

V-1910-2-HS

TYPICAL VOLLEYBALL SYSTEM  
(CONTACT PORTER FOR  
COMPLETE DIMENSIONAL DETAILS)

High School Dimensions Shown  
See V-1910-2 for NCAA Spacing



\_\_\_\_\_ - 91910200 POWR-NET, OVERHEAD SUPPORTED, FOLD UP UNIT

\_\_\_\_\_ - NUMBER OF NETS

\_\_\_\_\_ - PADDING SELECTION (SEE SMPL00048035)

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PROJECT NUMBER

PROJECT NAME

6/14/2017

# 91910200 - POWR-NET VOLLEYBALL SYSTEM

## POWR-NET, OVERHEAD SUPPORTED, FOLD UP UNIT MAX THREE NETS

### SPECIFICATIONS

System shall be designed for facilities where floor sleeves or anchors are undesirable and frequent volleyball court set-up is a requirement. (Systems with any type of mechanical floor attachments will not be approved as equal.). System complies with NCAA regulations. Incorporates patented floorless bracing and support, negating the need for above floor or in ground mounting.

System shall consist of two (2) vertical drop-frame units with folding side brace assemblies to automatically fold entire unit (including net, antennas, padding, etc.) to the ceiling with a single electrically operated winch. As the system folds into the storage position, it shall release the tension on the net automatically.

Vertical frames shall be fabricated into a unitized unit with a 3-1/2" O.D. heavy-wall drop-tube bridged with truss-type webbing of 3/4" x 1-1/2" rectangular tubing to provide superior stability. Top of frames shall be supported by special adjustable hangers (three each frame) to provide for precise plumbing of frame during installation. Support hangers shall be offset 3/4" from centerline of vertical frames to properly weight lock entire system in playing position.

Vertical drop frame assemblies shall be fitted with a net-tensioning winch (Powr-Winch®), incorporating a heavy-duty, selflocking ratchet mechanism with a compression, disc-brake type release mechanism to eliminate sudden release of the cable tension when removing the net. Both frames shall also be furnished with a 3/4" dia. Acme screw-type height adjustment mechanism to easily adjust the net to men's 7' 11-5/8" (2.43m), women's 7' 4-1/8" (2.24m) and youth's 7'-0" (2.13m) official net heights for competition without loosening the net tension. Height setting indicators shall be visible from the side of each frame.

Each vertical frame shall be laterally braced and locked in playing position with a special diagonal brace (minimum 1-7/8" (4.8cm) O.D.) assembly, incorporating a folding knee-joint type mechanism. 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 system stability during aggressive play. Knee joint is easily disengaged by upward force of the hoist cables.

System shall be folded to the overhead storage position by means of a 1 H.P. electric winch (see Page No. B-712-1 for complete specifications) with integral up-and-down limit switches. Hoist cable system shall be 1/4" dia. galvanized aircraft cable with a 7,000-lb. ultimate breaking strength operating through 4" dia. swivel pulley assemblies rated at a minimum 9,000-lb. load rating. Winch shall be controlled by a special dual-keyed, flush wall mounted momentary key switch, which cannot be instantly reversed, providing a safety provision and preventing damage to the winch or support system. System may also be operated with an optional wireless (Sportsonic® II) control system. (Specify and add specifications on page No. B-2002.)

Wiring of all electrical components shall be in accordance with local area codes, and in accordance with manufacturer's instructions. All conduit, wiring, junction boxes, and components not specified herein shall be furnished and installed by the electrical contractor.

Each folding support frame shall be furnished with an inertia-sensitive type safety lock (No. 10797100 Saf-Strap) to automatically lock system in position at any time in storage or during the raising or lowering cycle, should there be a possible malfunction of the hoisting system. (See Page No. B-10797 for complete details and specifications.)

Lower ends of folding support frames, including the net tension and height adjustment mechanisms shall be fully padded to a height of 6'-0" (1.83m) above the playing floor to comply with all competition requirements.

System shall be furnished complete with No. 02295500 Powr-Line® volleyball net and No. 02296100 net antennae. (See V-2295-19 and V-2296-1 for complete specifications.)

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

#### WARRANTY

- Overhead volleyball systems come with a 1 year limited warranty.
- Other components may be covered by their own extended warranty.

#### PADDING COLOR OPTIONS

- See SMPL00048034

#### 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 |