



Design, Build, Renovate



(800) 373-4262  
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## EXCEL BACKDROP CURTAINS AND COURT ACCESSORIES SPECIFICATION

### PART 1.00--GENERAL

#### 1.1 DESCRIPTION

##### A. Work Includes:

Provide a complete indoor tennis court curtain and accessory package including perimeter backdrop curtains, divider netting, split-wing entry and split-wing end, California corners, column padding, tennis net posts, and tennis nets.

#### 1.2 PRODUCT HANDLING:

##### A. Protection

1. Deliver all materials to the job site and store in a safe, dry place with all labels intact and legible until installation.

2. Use all practical means necessary to protect backdrop curtains and accessories before, during, and after installation, and to protect the installed work and materials of others.

3. Use all practical means necessary to protect the work of others during installation.

##### B. Replacements

1. In the event of damage by the Contractor, immediately make all repairs and replacements necessary to the approval of, and at no additional cost to, the Owner.

2. In the event of damage by parties other than Contractor, immediately advise Owner of any additional cost to repair or replace damaged product.

### PART 2.00--PRODUCTS

#### 2.1 MANUFACTURER

##### A. Backdrop Curtains and Accessories shall be as distributed by:

Indoor Courts of America, Inc.  
1280 N. Winchester  
Olathe, KS 66061  
1-913-780-0770

## **2.2 PRODUCTS**

### **A. Perimeter Curtains**

1. Curtains for perimeter of tennis court playing area shall be provided and installed where indicated on working drawings. Curtains shall be designed to overlap adjacent pieces 12". The color shall be teal green-on-white.
2. Fabric shall be 18 oz. PVC pass spread coated polyester. Tear tongue 100x100. Strip tensile method 200 x 140. Curtains shall be flame retardant.
3. Curtains shall be constructed with die-electrically welded seams, web straps on top, reinforced brass spur grommets with snaps for top hanging, finished hems on sides and bottom.
4. When installed on high tension wire, perimeter curtains shall be installed to ride from 1/2" to no more than 1-1/2" above finished floor.

### **B. DIVIDER NETS**

1. Divider nets shall be provided and installed between courts as indicated on drawings.
2. Netting shall be 1 3/4" knotted nylon mesh, vinyl bound all around with brass grommets 12" o.c. across the top.
3. When installed on high tension wire, divider nets shall be installed to ride from 1/2" to no more than 1-1/2" above finished floor.

### **C. SPLIT WING-ENDS AND SPLIT-WING ENTRIES**

1. Divider nets shall terminate at a split wing-end. Wing-ends shall be 18 ounce vinyl. The color of the split-wing ends shall match that of the perimeter curtains.
2. Split wing-ends shall be constructed of 18 ounce vinyl, teal green-on-white, measuring 12' high by 14' in length. The wing-end shall be equipped with a 1" vinyl, grommets tab, sewn into the wing-end at the vertical center line, to allow fastening the wing-end to the divider netting with metal snaps. The split-wing shall also have grommets on 12" centers across the top.
3. The walkway side wing-ends shall be equipped with two 12"x18" viewing mesh windows.
4. The wing-end shall hang free where it meets the backdrop curtains to allow passage into the tennis courts.

### **D. SUPPORTING WIRE**

1. Curtains, dividers, and split-wings to be suspended on high-tension wire support system.
2. Wire shall be 1/4" seven-strand guy cable.
3. Additional hardware items including beam clamps, custom brackets, or threaded rods as required.

### **E. COLUMN PADS**

1. Each frame or column behind the perimeter curtains and within 12" of the curtain shall be covered with bonded foam column pads.
2. Pads for mainframes shall be 4" x 14" x 96", covered with fabric on five sides to match perimeter curtains and uncovered on the side attached to the column. Pads for endwall columns shall be similar in construction but shall be 4" x 10" x 96".
3. Bonding adhesive shall be supplied by manufacturer of pads and used in accordance with manufacturer's instruction.

### **F. TENNIS COURT NETS, STRAPS, AND ANCHORS**

1. Each court shall be equipped with one tennis net, net strap, and center strap anchor.

2. Tennis net and strap shall be Royale as distributed by Indoor Courts of America, Olathe, KS.

3. Tennis net to have 3mm braided body with heat sealed knots, black in color, top six rows to have double 3mm braided strands, double headband of 23 ounce white vinyl-coated polyester, cable and side sticks included.

4. Center strap anchor to be rust-resistant, 10" in length, 10 gauge steel, with stainless steel pin.

5. Center strap to be woven polyester, 2" wide, includes double-ended snap.

#### **G. TENNIS NET POSTS**

1. Each court shall include two tennis net posts installed in net post sleeves.

2. Net posts and sleeves to be Royale as distributed by Indoor Courts of America, Olathe, KS.

3. Net posts to be constructed of three inch (3)" round 11 gauge steel, internal net tensioning device with removable handle, welded lacing rods, black powder coat finish.

4. Net post sleeves to be 26" in length, round, PVC.

## **PART 3.00--EXECUTION**

### **3.1 GENERAL**

#### **A. Inspection:**

1. Coordinate work with other trades and verify that such work is complete to the point where installation of the Excel Curtain and Accessory package may properly commence.

2. Verify that the Excel Curtain and Accessory package may be installed in accordance with project drawings and manufacturer's recommendations.

### **3.2 PRODUCT INSTALLATION**

#### **A. High Tension Wire**

1. Determine all anchorage points and attach wire securely to structural members or wall systems as shown on drawings.

2. Installation of all wire using 1/4" seven-strand guy cable and 5/16" seven-strand vices in lieu of turnbuckles, tensioned to 3300 lbs.

3. All wire to be supported at columns with beam clamps, custom brackets or threaded rods as required.

4. All terminal points of wire and any wire splices shall be held in place by compression fittings designed for high-tension wire installations.

#### **B. Net Post Sleeves**

1. Net post sleeves shall be installed in foundations constructed not less than twenty-four (24) inches in diameter at top, not less than thirty (30) inches in diameter at the bottom, and not less than thirty-six (36) inches in depth. Foundations shall be so situated as to provide thirty-three (33) feet (o.c. between net posts) on singles courts and forty-two (42) feet on doubles courts. The concrete for post foundations shall be mixed in ratios of six (6) standard 94 pound sacks of cement per cubic yard of concrete, with one (1) such sack of cement to not more than six (6) U.S. gallons of water. The compressive strength should be no less than three thousand five hundred (3,500) p.s.i. at the twenty-eighth (28th) day after pouring.

2. Net post footings and sleeves shall be installed prior to court construction and shall be included in the sitework scope of work.

### **C. Center Strap Anchor**

1. Each court shall have one center strap anchor installed at a point where the center line of the court crosses the net line. The anchor shall be 1-5/8"x10" galvanized steel pipe, swedged at one end, and fitted with an attachment pin through the open end. The anchor shall be installed flush with the finished court surface, and embedded in a concrete footing measuring 12"x12"x12".

2. Net post footings and sleeves shall be installed prior to court construction and shall be included in the sitework scope of work.

### **D. Tennis Net Posts, Nets, and Center Straps**

1. After all court construction work is completed, install net posts in sleeves. Adjust height to 42" above court surface.

2. Install tennis nets per manufacturer's instructions.

3. Install center strap at center of each net. Attach strap to center strap anchor. Adjust to 36" height and at manufacturer's recommended tension.

### **E. Backdrop Curtains, Split-Wings, and Divider Netting**

1. After all court construction work is completed, install backdrop curtains, split-wings, and divider netting at locations as shown on drawings.

2. Backdrop curtains, split-wings, and divider netting shall be installed on the high-tension wire using black plastic snaps.

### **F. Column Padding**

1. After all court construction work is completed, install column padding at locations as shown on drawings.

2. Padding shall be affixed to column faces using contact adhesive and per manufacturer's instructions.

## **PART 4.00--INSPECTION**

Upon completion of the installation, visually inspect the work and verify that it has been correctly installed per plans and specifications.