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Buffalo, New York 14207

## ELLIS PEARSON GLASS WALLS

### Glass for Racquetball and Squash

#### Part 1 - General

##### 1.1 Description

- A. The information herein details structural glass wall systems that meet or exceed all current U.S. code requirements.
- B. The general contractor shall provide a level, steel troweled slab and plumb wall framing or substrates to a tolerance of plus or minus 1/8" in 10' of level and plumb and subject to the approval of the glazing contractor.
- C. Provide all labor, equipment and materials to furnish and completely install the playing surface glass walls, glass doors and court windows, including glass and hardware where called for in the drawings .

##### 1.2 Quality Assurance

- A. All system component parts must be supplied by Ellis Pearson Glass Wall Systems as represented by Anderson Courts and Sports Surfaces, Inc. of Buffalo, New York.
- B. All items of work specified herein shall be performed by Anderson Courts and Sports Surfaces, Inc. to assure undivided responsibility. The glass wall manufacturer shall be responsible for all items required to provide a complete system.

##### 1.3 Working Conditions

- A. The glass wall system shall not be installed until all masonry, plastering and drywall work is completed and overhead mechanical trades and painters have finished in the glasswall area. The building must be reasonably dry, all openings closed in, permanent heating and air conditioning installed and working before, during and after installation.
- B. The area shall be dry, free of foreign materials and turned over to the glazing contractor broom clean. Moderate room temperature of 65° or more shall be maintained a week preceding and throughout the duration of the week.

## 1.4 Warranty

- A. Anderson Courts and Sports Surfaces, Inc. warrants that the glasswalls it ships shall be structurally sound and free from defects in material under normal use and service for a period of five (5) years and Anderson Courts and Sports Surfaces, Inc. warrants the installation of the glasswalls to be free of defects in material and workmanship for a period of one (1) year. The exclusive remedy under this warranty shall be replacement of defective materials supplied by Anderson Courts and Sports Surfaces, Inc. or correction of defective installation. All implied warranties of merchantability or fitness for intended use are limited to the period of this warranty. This warranty excludes consequential damages.
- B. This warranty does not cover damage caused by fire, winds, floods, chemicals or other abuse or by failure of other contractors to adhere to specifications, or neglect of reasonable precaution to provide protection of glasswall systems. This warranty also excludes damage to the glasswall systems due to ordinary wear and tear, faulty construction of the building (other than the glasswall installation), separation of the concrete slab underlying the glasswalls, or settlement of walls at points of attachment.

## **Part 2 - Products**

### 2.1 Manufacturer

- A. The glasswall shall be fabricated and installed in conformity with the architects designs and approved shop drawings prepared by Anderson Courts and Sports Surfaces, Inc.
- B. Manufacturer shall be Ellis Pearson Glass Wall System as represented by Anderson Courts and Sports Surfaces, Inc. of Buffalo, NY.
- C. All systems must demonstrate testing for required or anticipated impacts. Any system without testing will not be acceptable.

### 2.2 Glass

- A. Glass shall be ½” clear float tempered with all exposed edges polished conforming to federal specifications, ANSI - Z97.1; CPSC 16 CFR 1201; ASTM C1048.

### 2.3 Materials

- A. All hardware for glass-to-glass connections shall be Hi-Tensile white and clear material with tensile strength of a minimum of 9,000 PSI and a durometer hardness of D80-90 (black nylon also available). Metal fittings mounted on glass will not be acceptable.

- B. Glass wall will be supported by **perpendicular glass fins anchored to the floor only or aluminum posts anchored at top and bottom**. Appropriate floor and header conditions are the responsibility of the General Contractor. The dimensions of the supports will vary with the height of the glass walls. Note: the glass wall system is designed to support the glass only, not adjacent structure.
- C. Door shall be latched by means of a positive latching system with knob set on the exterior and flush pull ring on the interior. Latch housing to be white powder coated finish. Strike and door stops must fasten to adjacent glass and glass stabilizer or aluminum post. **Optional keyed locks are available**. Locking the glass doors requires special Latches and Latch Keeps.
- D. Doors shall be 7'0" tall. Doors shall have 2 hinges only, middle hinge not acceptable. Hinges shall be Ellis Pearson side hinges which must return onto adjacent fin or post. Side hinging to adjacent glass only will not be acceptable.
- E. Perimeter channels - clear anodized aluminum.
- F. Fin brackets shall be aluminum. Flush mount clear anodized aluminum cover plates are available.
- G. Joint sealant – Dow Corning 999-A clear or equal.
- H. Glass marking - All rear walls are to have permanent white lines 1" on center for 24" in height with a thickness of approximately 1/8". All sidewall glass to have single dot pattern applied in color specified by the architect or client.

### **Part 3 - Execution**

#### 3.1 Inspection

- A. Inspect concrete slab and wall framing or substrates for proper tolerance and reporting any discrepancies in writing to general contractor.
- B. All work to put the concrete slab and wall framing or substrates in acceptable condition shall be the responsibility of the general contractor.
- C. The area shall be turned over broom cleaned to the glazing contractor.

#### 3.2 Installation

- A. Install walls and related work using certified and experienced workmen as specified.
- B. Walls may deflect under impact of players if it is necessary to do so. Limits of deflection are as follows with the equivalent impact of a 200lb. person moving at 10 feet per second with a normal coefficient of absorption of 47%.
  - 1. 1 1/4" for glasswalls at the center of impact.

2. For doors, the glass thickness plus 1/8" at an impact velocity of 10 feet per second or the thickness of glass plus 1/2" at 15 feet per second.

### 3.3 Clean-up

- A. Clean up all unused materials and debris and remove from premises.
- B. Protection of erected wall and final cleaning is by others.

### 3.4 Maintenance

- A. Upon completion of the glasswall installation, the owners, attendants or individuals in charge and responsible for upkeep of the building are to see that the care and maintenance instructions of Anderson Courts and Sports Surfaces, Inc. are followed. Failure to do so may void warranty.