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“EDGE-GRAIN” MAPLE

Hoge Edge Grain Maple Wall System

This high quality squash court wall has an innovative design and precision construction, providing greater original dimensional stability than any other wood wall of equal thickness or density. This wall system provides a smooth clean surface able to withstand years of hard play.

Hoge is the leading manufacturer of bowling lanes in the U.S. They produce kiln dried faces of panels clear/color with no defects and with finger jointed end joints.

Part 1 - General

1.1 Description

- A. The information herein details a Hoge Edge-Grain Maple wall system utilizing northern hard maple of 1 ½” or 2 ¼” thickness over a plywood backer system.
- B. The general contractor shall provide adequate framing or substrates to a tolerance of +/- 1/8” in 10’ - 0” of plumb and straight. Moisture barriers must be adequate for conditions.
- C. Provide all labor, equipment and materials to finish and completely install the Hoge Edge-Grain Maple system as called for in the drawings.

1.2 Quality Assurance

- A. All system component parts must be supplied by Anderson Courts and Sports Surfaces, Inc. of Buffalo, New York.
- B. The installation contractor must be approved by Anderson Courts and Sports Surfaces, Inc.

1.3 Working Conditions

- A. The Hoge Edge-Grain Maple shall not be installed until all masonry, plastering and drywall work is completed and overhead mechanical trades and painters have finished in the court area. The building must be reasonably dry; all openings must be closed in; permanent heating and air conditioning installed and working at least three (3) weeks before, during and after installation (maintain indoor relative humidity between 35

percent and 50 percent, and air temperatures between 55 degrees and 75 degrees year-round).

- B. The area shall be dry, free of foreign materials and turned over to the Hoge Edge-Grain Maple installer broom clean. Moderate room temperature of 65° or more shall be maintained a week preceding and throughout the duration of the work. Humidity conditions within the building shall approximate humidity conditions which will prevail when the building is occupied. If prior experience indicates relative humidity during sustained heating periods will fall below 35%, building engineering shall provide for facilities to introduce moisture into the area when required. Conversely, if relative humidity increases to 50% or higher, measures should be taken to dry the building. This may require turning on the heat.

1.4 Warranty

- A. Anderson Courts and Sports Surface, Inc. warrants the materials it ships to be free from defects in material and workmanship for a period of one (1) year and the installer warrants the installation of the Hoge Edge-Grain Maple 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 by Hoge Edge-Grain Maple installer. 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 ventilation during hot and humid weather. This warranty also excludes damage due to excessive dryness or excessive moisture from humidity, spillage, migration through the slab or wall or any other source. This warranty also excludes damage to the Hoge Edge-Grain Maple due to ordinary wear and tear, faulty construction of the building (other than the Hoge edge grain maple installation), separation of the concrete slab or settlement of walls or use of excessive water on the Hoge edge grain maple.

Part 2 - Products

2.1 Manufacturer

- A. The Hoge Edge-Grain Maple shall be fabricated and installed in conformity with the designs and approved shop drawings prepared by Anderson Courts and Sports Surfaces, Inc.
- B. Manufacturer/supplier shall be Anderson Courts and Sports Surfaces, Inc., Buffalo, New York.
- C. Wall system must conform to requirements of ruling body. Any system not conforming to ruling bodies specifications will not be acceptable.

2.2 Framing - by general contractor

Note: All steel members to meet AISI spec., ASTM A466, Grade A.

A. Wall Framing (by General Contractor)

1. 18 ga. x 6" galvanized C - studs spaced 12" o.c. for head walls and 16" o.c. for other walls. 1 1/2" CRC must be inserted in the stud knockouts, in rows 4' O.C. horizontally, to lock all studs together. 3 1/2" or 3 5/8" studs may be substituted when attached to structure at 1/4 points for added rigidity. Vapor barrier exterior, wet area and certain masonry or poured walls.
2. Wall furring channels - 18 ga. galvanized furring or Z - channels spaced as above. Attachment via suitable mechanical fasteners supplemented with construction adhesive. Note: Walls must be vapor barriered.
3. Construction grade lumber of equal strength may be substituted for steel.

2.3 Backer System (by general contractor)

- A. 5/8" or 3/4" Douglas Fir CDX plywood screwed 12" o.c. to metal studs, staggered joints .Maintain 1/8" perimeter expansion joints.
- B. Fasteners shall be 1 5/8" screws, appropriate for the studs selected, installed 12" O.C. Fasteners must be installed so that all plywood is pulled tight to the framing and all screw heads are flush with the plywood or countersunk.

2.4 Hoge Edge-Grain Maple

- A. 2 1/4" Hoge Edge-Grain Maple (front walls), 1 1/2" Hoge Edge-Grain Maple (side and rear walls).
- B. Fasteners shall be 3" course thread drywall screws with construction adhesive.

Part 3 - Execution

3.1 Inspection

- A. Inspect framing and substrates for proper tolerances reporting any discrepancies in writing to the general contractor.
- B. All work required to put the framing or substrates in acceptable condition shall be the responsibility of the general contractor.
- C. The area shall be turned over broom clean to the Hoge Edge-Grain Maple installer.

3.2 Installation

- A. Erect framing (if specified) per plans, shop drawings and specifications. Dimensions, attachments and vapor barrier requirements are critical.
- B. Install plywood using 1 5/8" screws, staggering all joints.

- C. Install 2 ¼” Hoge Edge-Grain Maple vertically on head wall, 1 ½” Hoge Edge-Grain Maple horizontally on side walls and rear wall. Use shims, construction adhesive and blind screws as per Anderson Courts and Sports Surfaces, Inc. specifications.

3.3 Hoge Edge-Grain Maple Preparation

- A. Remove and or fill any surface irregularities using high solids modified filler.
- B. Sand Hoge Edge-Grain Maple in place leaving 36 grit nap finish, removing any irregularities, bumps or pits.
- C. Hoge Edge-Grain Maple walls shall present a smooth surface without drum stop marks or gouges.

3.4 Finishing

- A. Apply one coat primer sealer and two coats finish as per manufacturers instructions.
- B. Apply game lines accurately. Lay out in accordance to drawings. For game lines, use current rules of association having jurisdiction. Lines shall be straight with sharp edges, using 3M #471 tape. Color shall be red for white courts.

3.5 Clean-up

- A. Clean up all unused materials and debris and remove from premises.
- B. Protection of finished Hoge Edge-Grain Maple and final cleaning is by others.

3.6 Maintenance

- A. Upon completion of Hoge Edge-Grain Maple 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 are followed. Failure to do so may void warranty.