

Architectural Specifications, Section 10500 Courts

Hollman, Inc., 1825 W. Walnut Hill Lane, Irving, TX 75038, (972) 815-4000, www.hollman.com

1.0 GENERAL

1.01 - DESCRIPTION

- A. SCOPE - Provide all labor, equipment, and materials to complete the installation of court walls, ceilings, and flooring. All work conforms to industry standards, including but not limited to the following:
 - 1. Steel stud framing and/or wood furring
 - 2. Hollman, Inc. T&G wall and ceiling panels. Panel to panel connection with metal spline are not acceptable.
 - 3. Floors and floor finishing (includes court markings)
 - 4. Doors, valuables storage, and Wallyball Kit
 - 5. Light Fixtures
 - 6. Glass walls, windows, and moveable back walls
- B. WORK NOT INCLUDED
 - 1. HVAC components
 - 2. Finish trim on back walls, common wall cutouts, or corridor side of courts, or caps on top of squash walls.
 - 3. Electrical wiring and installation of light fixtures

1.02 - QUALITY ASSURANCE

- A. SUPPLIER: These specifications are based upon Hollman, Inc. T&G panel system by Hollman, Inc. 1825 Walnut Hill Lane, Irving TX 75038 – Tel. 972-815-4000, Fax 972-815-2921
- B. INSTALLER QUALIFICATIONS - Contractor shall be trained and experienced in the proper installation of the Hollman, Inc. T&G System, with no less than five (5) years' experience.

1.03 - SUBMITTALS

- A. Panel samples, brochures, shop drawings, and related items will be submitted in accordance with the plans and specifications.

1.04 - PRODUCT DELIVERY – STORAGE AND HANDLING

- A. No materials will be delivered to the jobsite until the building is completely sealed and weather tight.
- B. Permanent HVAC must be in operation prior to material arrival, and operated continuously during and after installation of materials to maintain a temperature range of 65 to 78 degrees Fahrenheit and 40 to 55 percent relative humidity.
- C. Panels and other materials shall be unloaded, stored and stacked by the owner/general contractor unless otherwise noted. Instructions will be provided.

1.05 - WARRANTY

- A. Panel materials and workmanship shall be warranted for ten years against defects and de-lamination, when handled and installed in accordance with manufacturers' specifications and procedures. Damages caused by excessive moisture or mis-treatment of the panels are excluded. Floor installations and materials are warranted for a period of one year from the date of installation. All other materials are covered under the specific manufacturers' Warranties.

2.0 PRODUCTS

2.01 - MATERIALS

- A. Steel framing for Racquetball courts:
 - 1. Front/Main Hit walls – 6" x 18 ga. metal "C" studs @ 12" O.C., with track
 - 2. Side/Rear walls – 6" x 18 ga. metal "C" studs @ 16" O.C. with track
 - 3. Ceilings – 6" x 16 ga. metal "C" joist with track
- A. Steel framing for Squash Courts
 - 1. Front/Main Hit walls – 6" x 18 ga. metal "C" studs @ 10" O.C., with track
 - 2. Side/Rear walls – 6" x 18 ga. metal "C" studs @ 12" O.C. with track
 - 3. Ceilings (if required) – 6" x 16 ga. metal "C" joist with track
- B. Furring (masonry supported)
 - 1. Front walls – 2" x 4" wood strips or 18 ga. metal Hat Channel/Z Furring @ 12" O.C.

2. Side/Rear walls – Same as front walls, spaced @ 16" O.C.

Notes: a. Spacing for Squash courts as listed under Steel framing

b. Masonry shall be furnished to court contractor straight and plumb within +/- 1/8" in any 10' radius. Exterior walls shall be properly insulated and vapor-proofed.

C. Sound – Dampening Insulation in Front Walls if required:

1. Steel stud cavities: Fiberglass batts; thickness to fill cavities if required.
2. Between wood or metal furring strips: 1 1/2" Poly Iso Board or similar if required

D. Panels (all densities +/- 5%):

1. Panel specs required (average values)

- a) Meet or exceed all test results of FED Spec L-T-0041C (GSA-FSS Type III)
- b) Stain – pass NEMA LD3-75

2. Description – wall and ceiling panels are specified composite density particleboard core with .050 high-pressure laminate white face and laminate backer. Panel size 48"x96" with edges fully sealed. Panels to be installed in an interlocking and seam-staggered configuration.

3. Tongue and Groove

- a) Front Wall - Thickness: 1 1/8", 60 lb. Density
- b) Side/Rear Walls - Thickness: 7/8", 55 lb. Density
- c) Ceiling - Thickness: 5/8", 46 lb. Density

E. Panel Connection Materials:

1. "PL-400" construction adhesive; (or other approved by panel manufacturer conforming to Fed. Spec. MMM-A-188 applied between the backs of panels and the framing members.
2. Self taping special screws inserted through the base of the horizontal tongue and out the back of each wall panel, and into the framing member for Tongue & Groove panels. Ceiling panel's face screwed. Screw heads to be covered with white silicone or seamfill.

F. Doors:

1. 1 3/4" solid core wood door manufactured by Hollman, Inc. with matching color laminate both sides, full length piano hinge, 10"x10" Plexiglas view port, door closer, and flush pull ring on court side.
2. Wood Framed flush mount Glass Door manufactured by Hollman, Inc. with 3 side hinges and positive locking system. Frame to be with same laminate as wall panels. Threshold to be 1" clear maple.

G. Glass Viewing Walls and Glass Doors Manufactured by **ALTEMPCO** 1825 Walnut Hill Lane, Irving, TX 75038 - P: 972-815-4000, F: 972-815-2921

1. Materials

- a) 1/2" clear float tempered glass with polished exposed edges, conforming to Federal Specifications DD-G-451C, DD-G-001403, ANSIZ97.1 – 1975, and CPSC 16 CFR 1201.
- b) Hardware for glass-to-glass connections: Polycarbonate.
 - i. The material has a Tensile Strength of over 9,000 to 10,000 psi, and a Flexural Modulus of 340,000 psi. Standard color black (custom colors are available upon request).
 - ii) Door hardware shall be locked by positive locking mechanism with a latch-set on the exterior and flush ring pull on the interior. Lock housing to be clear anodized finish.
 - iii) Hinges to be machined aluminum body incased in polycarbonate to match all other hardware.
 - iv) Hi-Tensile ML Black Nylon with a tensile strength of 9,000 to 12,000 psi and a durometer hardness of D80-90 is no longer adequate and outdated.
- c) Doors: Doors shall be 7' tall and must be side hinged.
- d) Perimeter channels: Clear anodized finish.
- e) Fin brackets: Chromed steel.
- f) Joint sealant: "G.E. 1200" or equal.
- g) Glass Markings:
 - i. All rear walls are to have white painted lines 1" on center for 30" in height with a thickness of approximately 1/8". Such markings are to be permanent.
 - ii. White logos are available, painted or etched.

2. Performance

- a) Walls may deflect under impact of players. Limits of deflection are as follows with the equivalent impact of a 200 lb.

man moving at 10' per second with a normal coefficient of absorption of 47%:

- i. 1-1/4" for glass walls at the center of impact.
- ii. For doors, the glass thickness plus 1/8" at an impact velocity of 10' per second or the thickness of glass plus 1/2" at 15' per second.
- iii. Install wall, doors, and related work as specified and as detailed on the drawings using experienced workmen. Set walls plumb, level, square and true and securely anchored in place, with all joints siliconed smooth. Provide all anchors, clips, fasteners and accessories for complete installation.

3. Warranty

- a) All glass walls shall be structurally sound and free from defects in material and workmanship under normal use and service for a period of five (5) years after the date of delivery of the wall and fixtures to the purchaser.

H. Lights:

1. Metal Halide 2' x 2', Abolites 320W pulse start as set forth by EISA, unless otherwise approved.
2. Fluorescent fixtures 2' x 4' by Vision Lighting, unless otherwise approved.

I. Floors:

1. MFMA approved, Second Grade and Better, 25/32"x 2-1/4" Tongue & Groove maple hardwood strips provided by Aacer LLC.
2. Underlayment: 6 mil polyethylene vapor barrier, 2"x 3" nominal treated sleepers with 3/8" pads. Sleepers to be laid out in rows 9" O.C. staggered 2' perpendicular to the long dimension of the room.
3. Maple surfaces sanded, sealed with two coats, painted with red game lines, and finished with two urethane coats.

J. Accessories:

1. Players' valuables storage boxes by Hollman, Inc.
2. Wallyball kits by Carron Net Company.
3. Officially painted metal telltales for squash courts, by Hollman, Inc.
4. Red 3M vinyl tape game lines on squash court walls by Hollman, Inc.

3.0 EXECUTION

3.01 - INSPECTION

- A. Inspect court area to ensure that conditions are suitable to receive court systems.
- B. Inspect HVAC systems, overall dimensions, floor slabs, and walls.
 1. Concrete floor slab: Broom clean, finished smooth and level with a maximum variation of 1/8" in any 10' radius.
 2. Masonry walls: Straight and plumb within +/-1/8" in a 10' radius.
 3. Exterior walls: Properly insulated and vapor proofed.
- C. Report unsuitable conditions. Do not proceed with installation until conditions have been corrected.

3.02 - INSTALLATION

- A. Install all components in accordance with manufacturer's instructions.
- B. The owner, his agent, or the general contractor shall approve all Hollman, Inc. installations, and will be formalized by a signed acceptance agreement.

3.03 - CLEANING AND PROTECTION

- A. Clean soil, stains, etc. from panel surfaces. Glass walls/windows are to be cleaned.
- B. Remove scrap and debris from court area to on-site disposal, and leave site in a clean condition.
- C. Do not allow traffic of any kind on completed floors without the written approval of the Architect.

Hollman reserves the right to change the design or specifications to improve the product or process at anytime, without notice.