

STORAGE SHELVING

PART 1.0 GENERAL

1.1 DESCRIPTION

- A. Work Included: Install pre-manufactured wood storage shelving and other items not specifically described as being installed under other Sections of these Specifications.

1.2 SUBMITTALS

- A. Shop Drawings:
 1. Submit shop drawings for storage units, identified with location, materials and finishes.
 2. Indicate materials, methods of assembly and jointing, thickness of parts, location and type of hardware.
 3. Take measurements at the site for space where each item is to be placed.
- B. Product Data: Submit manufacturer's detailed product description. Indicate unit construction including finishes.

1.3 DELIVERY, STORAGE AND HANDLING

- A. Deliver storage units only after building is enclosed and wet operations in building are completed.
- B. Protect finished surfaces from soiling and damage during handling and installation.

PART 2.0 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Excalibur Shelving Systems, Standard Pine (603) 746-6200
Palmetto Shelving Systems, Inc. (803) 781-9955

2.2 MATERIALS AND COMPONENTS

- A. Uprights: Premium Grade Western Hemlock (1-1/2" x 1-5/16")
 1. 3/8" x 5/8" deep plow entire length of stiles to receive shelf end channels with 3/16" drilled holes on 1" centers.
 2. Stiles are to be locked together with three or more cross members mortised glued and pinned into the stiles
 3. All components are to be machined smooth with all outside corners eased
 4. Uprights to be 84"H unless otherwise noted by plans.

- A. Shelves: 3/4" pine shelf materials are to be machined to accept roll formed steel end channels shaped to fit over each end of the shelf and to rest on the shelf support pins. Finger joints are not acceptable.
 - 1. Seven (7) shelves per section unless otherwise indicated on plans
- B. Shelf Support Pins: Non rusting alloy, 3/16" diameter x 1-14" long, 5/16" diameter head.
- C. "X" Braces: Two 18 gauge galvanized 3/4" steel straps with holes punched at each end. Rivet straps at centers. Provide as manufacturer recommends for stability.
- D. Back Panels: All back-to-back units for book storage to have 1/8" Abitibi S2S tempered hardboard back panels.
- F. Kickboard: Provide a continuous prefinished 4" pine kickboard for each elevation.
- E. Finish: Shelving up to 28"D shall have a UV Finish, shelving deeper than 28"D shall be factory seal and lacquer (site finish is not acceptable)

2.3 FABRICATION

- A. Manufacture shelving in sizes as necessary to fit wall-to-wall as indicated on the drawings. Gaps in excess of 2" are not acceptable.

Where dead corners are indicated on drawings, solid end panels will be required.

Shelves shall not exceed 42" in length in general storage areas and 36" in book storage rooms. Shelves with inset end supports and/or less than 3/4" thick must be pre-approved (sample required) and may not exceed 30" in length.

Modifications for shelves with inset end supports must be performed by the manufacturer. Field modifications will not be accepted.

PART 3.0 EXECUTION

3.1 SURFACE CONDITIONS

- A. Examine the areas and conditions under which work of this Section will be performed. All overhead work including functional lights, flooring including cove base and final coat of paint must be complete prior to installation of shelving.

3.2 INSTALLATION

- A. Install in strict accordance with manufacturer's current instructions and approved shop drawings.
- B. Anchor all wall units.

END OF SECTION