

STATEMENT OF WORK
Built-in Closets
PROPERTY OBO-136
TH Residential compound
USA EMBASSY KHARTOUM, SUDAN

2012

1. Description of Services:

The US Embassy, Khartoum has a requirement to fabricate and install wooden built-in closets in the townhouses complex, known as OBO # 136 in Garden City, Khartoum. The works shall be done as per drawings, scope of work, specifications and General contract conditions. This project requires an experienced contractor to design and execute the job. The Contractor shall provide all labor, material tools, equipment, supervision and other related items required to complete the project as per scope of work, specifications and attached drawings. Contractors are advised to visit the site, verify the existing site conditions to develop their proposal.

1.1 SCOPE of WORK

A. This Section subject to applicable requirements of Contract Documents.

B. Work includes all rough and finish Carpentry required by Contract to fabricate and install the following items:-

1. TWO Built – in closets, one in the master bedroom and the other in bedroom1 in **each** of the eight units of the townhouses Compound. (total is 16 closets) as shown in the attached diagrams.

Main frame, *external drawers and closet doors*- shall be MDF laminate type- oak veneer or Mahogany finish ¾ inch -18 mm- thickness at least, Turkish made of highest quality or equal approved. The exterior shall be smooth finished

Shelves Material, hidden sides: All shelving shall be constructed of melamine MDF. Shelving shall have a nominal thickness of at least ¾ inches. Turkish made of high quality or equal approved.

Back covers: Plywood ¾ inches

Finish color for the doors and closets is Chestnut finish “dark brown” natural wood.

Accessories: Metal drawers slides, handles, hinges, locks shall be of high strength durable and samples shall be approved by the COR prior installation

1.2 SUBMITTALS

A. Shop drawings: Submit two copies, one of which will be returned with reviewed notations prior to commencement of work under this section Indicate plans and elevations, materials,

profiles, assembly methods, joint details, fastening methods, accessories, hardware, and schedule of finishes

B. Samples for Initial Selection Purposes: Submit manufacturer's standard size samples of colors and finishes.

C. Samples for Verification purposes: Submit 6 inch square samples of each finish and color required, prepared from same material to be used for the work.

D. Certification: Manufacturer's certificate stating that materials furnished comply with specified requirements and are suitable for intended application.

E. Maintenance Instructions: Submit manufacturer's printed instructions for maintenance of installed work, including methods and frequency recommended for maintaining optimum condition under anticipated traffic and use conditions. Include precautions against materials and methods that may be detrimental to finishes and performances.

F. Product Data: Submit manufacturer's product data.

G. Warranty: Submit manufacturer's standard warranty.

1.3 PRODUCT HANDLING

A. Place materials in area protected from weather immediately upon delivery to project.

1. Store above ground on blocking and cover with waterproof covering and provide adequate ventilation.

2. Do not store seasoned materials in damp or wet area of building.

3. Protect sheet materials from corner breakage and surface damage while handling.

4. Protect treated materials from high humidity and moisture during storage and erection.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Wood: Well seasoned, 18 percent maximum moisture content, surfaced four sides unless specified otherwise.

B. Plywood: Where plywood will be concealed by other work, provide fire treated interior type plywood C-D grade unless otherwise indicated or specified

2.2 MISCELLANEOUS MATERIALS

A. Fasteners and anchorage: Provide size and type as indicated and as recommended by applicable standards complying with applicable Federal Specifications for nails, staples, screws, bolts, nuts, washers, and anchoring devices.

B. Construction glue: Per APA Performance Specification AFG-01.

2.3 SHELVING

A. Material: All shelving shall be constructed of MDF wood. Shelving shall have a nominal thickness of at least $\frac{3}{4}$ inch. No strand board will be allowed.

B. Shelving Hardware: All standards and brackets shall be heavy-duty or industrial duty hardware

A. Components:

1. Mounting Hardware: Patented Strong-Loc hollow wall anchor system.
2. Hanging Uprights: Slotted vertical hanging channels. Heavy-duty steel, .071 inch (1.8 mm) grade 1008. Lengths as indicated or required.
3. Shelving:
 - a. 45 pound, furniture-grade melamine shelving, depths as indicated or required.
 - b. Shoes shelves and desktops as scheduled or indicated.
4. Hanging Rod: Heavy-duty Chrome or Nickel Plated
 - a. Hanging Chrome Rods: Chrome or nickel plated steel tubing. Hanging Chrome rods shall be mounted under shelf as scheduled or indicated.
5. Rod Stops: Heavy-duty steel, Chrome or Nickel plated
 - a. Chrome or Nickel plated Rod Stops lock into all Hanging Rod to prevent material from falling off of the end.
6. Accessories: high quality, to be approved by COR before installation
 - a. Drawers : with high quality roller slides

3. DELIVERY & INSTALLATION

3.1 INSPECTION

A. Verify that surfaces to receive Carpentry materials are at proper grades and dimensions.

3.2 FRAME INSTALLATION

A. General: Members accurately set to lines, elevations, and locations required for installation of finish work, closely fitted and rigidly secured in place.

1. Provide framing members of sizes and on spacings shown and frame openings as shown.
2. Rough bucks provided at opening indicated to have wood or metal frames, in general, at doors, recessed cabinets, openings for grilles and registers. Anchor rigidly in place with minimum of three approved type anchors at each jamb.
3. Discard units of material with defects that impair quality of rough carpentry and that are too small to use with minimum number of joints or optimum joint arrangement.

3.3 SHELVES INSTALLATION

- A. Cut shelves 1/2 inch to 1-3/8 inches (12.7 to 35 mm) shorter than actual wall measurements; cap all exposed ends.
- B. Install shelving plumb and level at heights indicated in accordance with shop drawings and manufacturer's printed installation instructions.
- C. Place wall clips every 10 to 12 inches (254 to 305 mm) on level line.
- D. Install end brackets on same level line as wall clips, centered on the front rods of shelves.
- E. Drill holes where required using sharp bit; do not punch.
- F. Wood: Drill 1/4 inch (6 mm) hole into wood, secure wall clip with No. 8 x 1 inch (25 mm) screw or secure pole clip directly to wood with No. 8 x 1-1/4 inch (31 mm) screws.

Conditions of Contract

1. General

This is a firm fixed price turnkey job for the entire work and amount quoted shall include all work described in attached drawing, scope of work and general condition of contract. The lump sum price quoted shall be fixed and nothing extra will be entertained on any account.

Contractor's staff is subject to such restriction for entry and exit as are required by the Embassy's security requirement. Contractor's staff will be subject to security cleared as required by the Embassy.

Contractor shall restore all surfaces disturbed by construction to match with existing finish.

Any deviation from the original contract/scope of work shall be informed to COR before work begins. No additional work or changes will be carried out without a contract modification.

2. Responsibilities of Contractor

Contractor shall be responsible for procuring, supplying, transporting, and providing all labor, materials, tools and plant and equipment etc., required for completion of the work in all respects and as per the scope of the work.

All expenses towards mobilization at site and demobilization including bringing in equipment, workforce and materials, dismantling the equipment, clearing the site etc. shall be deemed to be included in the rates quoted by the contractor against various items of schedule of rates and no separate payment on such expenses shall be entertained.

Contractor shall employ and provide one full time engineer to supervise the project and has experienced of carrying out such type of work.

Contractor shall not proceed with next activity until previous activity will be checked and approved by COR. Contractor shall mentioned all inspection dates in the schedule chart

Contractor should keep the site clean and accessible to Embassy employee all time

3. Specifications

Work under this contract shall be carried out strictly in accordance with specifications attached and will meet US and Local codes.

4. Execution of Work

The Contractors are advised to review the material specifications and scope of work. The Contractor should visit and walk through the site to familiarize themselves with the site conditions to understand the exact quantum of work.

On award of the work, Contractor shall submit all items below via email:

- a. Bar chart within 3 days for approval by the Contracting Officer Representative (COR). All dates and time schedule agreed upon should be strictly adhered to. Contractor shall notify the COR in advance regarding anticipated problems through the project.
- b. Proposed start date
- c. Weekly schedule/activity plan for the duration of the project *prior to the start date*.

For dismantling/blocking or making connection to any existing services or any shut-down, contractor shall inform the COR at least three working days in advance and proceed with the work only after the permission from the COR.

Due to the occupancy of the houses, upon notice, each unit closets shall be fabricated within seven working days period. The installation inside the townhouses shall not be more than three working days. Two units are expected to be executed simultaneously.

5. Materials

All materials used on this work shall be new and conforming to the contract specifications as per US and local codes.

Materials shall conform to the latest US Standards specifications as amended to date and carry certification mark. Contractor shall submit material samples and catalog for pre-approval.

All materials used on the project shall be approved by the Contracting Officer Representative (COR) before use. Any changes/substitutes on material shall be approved by COR before proceeding.

6. Storage of Materials

All materials shall be stored in a proper manner protected from natural elements so as to avoid contamination and deterioration.

7. Site Clearance and Cleanup

The Contractor shall clear away all debris and excess materials accumulated at the site and dispose of it away from Embassy premises, maintaining a neat site condition.

On completion of project, Contractor shall remove all surplus materials and leave the site in a broom clean condition.

8. Workmanship

Workers working on the site shall be skilled in their job and have related job experience.

9. Working Hours

Working hours shall be 8:30 A.M. to 4:30P.M Sunday to Thursday. No work shall be done on Fridays, Saturdays and holidays without the prior approval of the Contracting Officer.

10. Security Clearance

The Contractor shall inform and provide in writing transportation details (vehicle registration number, drivers name, and date of delivery) to the COR at least 24 hours in advance for material deliveries.

Contractor shall give workers names at least 3 days in advance to get the security clearance. All the workers shall have an official photo ID or photo ID with the company name on it.

11. Safety

Contractor is responsible and shall continue management and implementation of a safety and health program throughout construction.

The Contracting Officer and the Post Occupational Safety and Health Officer [OSHA] reserve the right to suspend work when and where Contractor's safety and health program is considered to be operating in an inadequate or non-complying manner.

Contractor shall provide all Personal Protective Equipment for the workers as per the requirement of the site. Work will be stopped in case the proper protection equipment is not found with the workers and the lapse of time shall be at the Contractor's expense.

Contractor will not leave the work site in an unsafe condition or any other condition that might cause injury to personnel, damage to existing work, plants or equipment.

Contractor will use all safety gadgets e.g. hard hats, cotton gloves and goggles as required on site to avoid the accident.

Any equipment or work considered dangerous shall be immediately discontinued.

11. Warranty

The contractor shall guarantee that all work performed will be free from all defects in workmanship and materials and that all installation will provide the capacities and characteristics specified. The contract further guarantees that if, during a period of three years from the date of the certificate of completion and acceptance of the work, any such defects will be repaired by the contractor at his expenses.