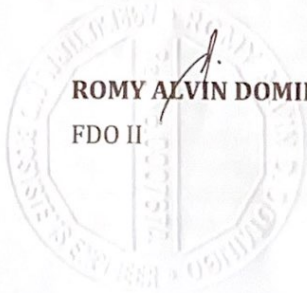


SPECIFICATIONS

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SPECIFICATIONS

PROJECT TITLE: **RENOVATION OF 450 SQ.M COTTON WAREHOUSE**

PROJECT OWNER: **PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY**

I. **GENERAL CONDITION:**

The execution of this Specification, Plans and other related Contract Documents shall be subjected to the rules and regulations as provided in the General Conditions of the Contract. **The Plans and specifications shall be interpreted by the Procuring Entity and or his/her representative.** The Contractor is enjoined to confer with the Procuring Entity on items for clarification before submitting his bid. No excuses shall be entertained for misinterpretation of the Plans and specifications after the award of contract. All work as deemed required by the Procuring Entity shall be carried out properly by the Contractor.

A. The Contractor shall consult the Procuring Entity on portion of the work not mentioned in the Specification and not illustrated on the Plans. He shall not work without proper instruction or detailed plans approved by the Procuring Entity, otherwise he shall be responsible for the in acceptance of the work done without details. In such case, the Contractor shall make good the work at his own expense.

B. No alteration or addition shall be allowed without the consent and proper documentation approved by the Procuring Entity, even such change is ordered by the Procuring Entity. The Contractor shall bring the case to the Procuring Entity. Request for approval of such changes, alteration, deviation of work shall not be done without the consent of the Procuring Entity. Changes may be presented to the Procuring Entity in the form of shop drawings.

WORKMANSHIP:

All materials to be installed shall be brand new except as otherwise noted on the plans or specifications. The materials shall be as specified. No substitution of materials is allowed. The CONTRACTOR should find it necessary to use another type/brand of materials instead of the specified item, he shall first obtain approval from the PROCURING ENTITY prior to installation. Any substituted material installed without the approval of the PROCURING ENTITY shall be subject to replacement.

1. The contractor shall strictly implement the approved occupational safety and health plan and practices, and the required frequency of testing of rebar, soil compaction and concrete based on the submitted design parameters of the contractor.

II. SCOPE OF WORKS:

The Scope of Work includes the furnishing of all labors, materials, equipment, and tools including supervision necessary to complete the Renovation 450 sq.m Cotton Warehouse.

A. DEMOLITION/EARTHWORKS

The Contractor shall demolish the Concrete/G.I wall, G.I. roofing as specified in the drawing.

EARTHWORKS

The Contractor shall make all necessary excavation to establish grades indicated on drawings including all other excavations required and necessary for the proper execution of the project. The materials to be excavated shall include any rock, earth and other materials of any nature and description encountered in obtaining the indicated lines and grades. Provide sufficient distance from the existing column pedestal and footings.

B. CONCRETE AND MASONRY WORKS:

1. All works under this subject/item shall be subject to the general conditions and the entire (conditions) constructions.
2. Concrete Hollow Blocks inside surfaces shall be filled with grout/mortar and shall encase fully the reinforcing steel. The vertical reinforcement shall be limited to maximum spacing of 600mm on center while horizontal reinforcement is every 3 layers of CHB height. Damaged unit masonry shall not be used.
3. Cracks/ defects on the Pedestal and floor w/n 450 sq.m shall be repaired.
4. Existing concrete wall w/n the area shall be replaced.
5. Surfaces to receive plaster shall be clean and free from defects. Corners and interior angles shall be square which arises slightly rounded. Thickness of plaster, based to the finished plaster surfaces, shall not be less than 20mm.

C. TILE WORKS

All surfaces to receive tiles shall be free from loose plaster. Contractor to present a sample to the owner prior to installation for approval. The tiles shall be free of defects prior to installation. All corners shall be 90° prior to installation of tiles. Provide 1% slope of floor tile going to floor drain. Use necessary equipment to cut the tiles evenly. Any changes of installation to suit field condition shall be approved by the Engineer/Project In-charge.

D. CARPENTRY AND FABRICATION WORK

Door, windows and wall partitions shall conform to the sizes, design and kind of materials shown in the plans.

E. STEEL WALL FRAMING AND ROOFING WORKS

The work consist of furnishing all materials, equipment, tools, labor and other facilities and satisfactory performance of all works necessary to complete all steel framing, roofing and tinnery works as shown in the drawing and as specified herein.

The materials supplied by the Contractor on this item shall conform to the standards. Flashing and gutters shall be riveted that will ensure the watertight workmanship. All welding shall be by the shielded arc method and shall conform to the "AWS Code for Arc and Gas Welding in Building Construction". Qualification of welders shall be in accordance with the "Specification for Standard Qualification Procedure" of the AWS.

Roof sheet replacement will cover 25 x 25 m floor area, and 60m length gutter. Purlins, steel beams, X-bracing and other structural supports will be retained.

F. PAINTING WORKS

All painting activities shall be in accordance to standards. Colors shall be coordinated to owner prior to ordering and application. Paints shall be latex paints for concrete and fiber cement, and epoxy paint for steel. Apply patching compound and glazing putty to all uneven surfaces of concrete. Existing Steel columns, rafters and purlins shall be cleaned prior to the application of paints. Surfaces to be applied shall be approved by the Engineer/Project In-charge prior to application of first coating and final coating. Provide barricades or signage to protect wet paints. Follow manufacturer's specifications.

G. ELECTRICAL

The work to be done shall include the furnishing of all tools, labor, equipment, fixtures and materials, each complete and in proper working condition unless one or other is specifically excluded or stated otherwise in these Specifications but not limited to the following principal items of work:

1. Furnish and install a complete wiring and raceway system
2. Perform terminations for all electrical system.
3. Complete testing of all electrical systems.

H. PLUMBING WORKS

Fixtures – All fixtures shall be installed complete with accessories, such as fittings, angle valve, shut-off valve and supply pipe assembly, p-traps flange and others to make it functional. All fixtures shall be coordinated and approved by the owner prior to delivery and installation. All fixtures shall have good quality according to standards. Installation shall conform to specifications.