



CALAMBA WATER DISTRICT

Lakeview Subdivision, Halang, Calamba City, Laguna
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PHP QMS 21 93 0047

PROJECT: Renovation of 2nd floor Ceiling of Main Warehouse Bldg: Labor and Materials for the Plastering & Waterproofing of Wall at Main Warehouse Bldg

SUBJECT : Scope of Works and Specification

LOCATION : Lakeview Subdivision, Brgy. Halang, Calamba City

DATE : July 21, 2026

Supply of Labor and Materials for the above mentioned project:

A. Renovation of 2nd floor Ceiling of Main Warehouse Bldg.

Scope of Works

1. Replace existing ceiling
2. All materials will be turn over to Calamba Water District
3. Re-use existing Electrical lay-out, pipes, conduits and fixtures
4. Apply metal primer paint for all metal installed

Specifications

A. Miscellaneous includes

1. Electric Hand Drill
2. Aviation Metal Snip Scissor
3. Manual Riveter
4. Plier
5. Hammer
6. Level Hose
7. Meter tape
8. Cutting Disk
9. Ladder and scaffoldings
10. Metal Primer Paint

B. Blind Rivets

Diameter: 3/16"

Material: Stainless Steel

C. Tox and screw

Tox (Expansion Plug) Sizes: #5, #6, #7, #8, #10, #12

Screw Sizes and Lengths: 1-1/4" to 2" screws

D. End Moulding

Material: Pre-painted metal, often with a zinc coating for rust resistance

Thickness: Commonly available in 0.4mm thickness

Length: 2.44meters

Width: 6 inches

Materials: Aluminum or steel

Color: White

E. Spandrel

Thickness: 0.4mm

Effective Coverage: 140mm

Length: 6m

Finish: Pre-painted zinc-coated metal

Profile: Rib-type spandrel design

Color: White

F. Metal furring

Length: 5 meters (16.4 feet)

Common Sizes: 19mm x 50mm

Thickness: 0.6mm

Material: Galvanized steel

G. Carrying Chanel

Length: 5 meters

Width: 50mm

Thickness: 0.6mm

Material: Galvanized steel

H. Wide series recessed type with aluminum reflector and lights

Voltage: 230V

Model: ESLRW2x2

Watts: 2 x 20W

Dimension 600 x 600 x 80

B. Labor and Materials for the Plastering & Waterproofing of Wall at Main Warehouse Bldg

Scope of Works

1. For Surface preparation

- a. Check the wall for any cracks, holes or any damages and deteriorating paints
- b. Remove dirt, dust, and any loose materials from the wall to ensure proper adhesion of the waterproofing product.
- c. Use a brush or grinder to open up any cracks and fill them with a suitable repair material like a polymer-modified mortar or crack filler.
- d. Allow the wall to dry completely before applying any waterproofing material.

2. Apply Water Proofing materials

- a. Apply two (2) coats Plexibond Cementitious Water Proofing for exterior wall only.
- b. Mix 6.5kg of cement for every 4lits of Plexibond Cementitious Water Proofing or 29.25kg of cement for every 18lits (1pail) of Plexibond Cementitious Water Proofing
- c. For Brush Finish: Apply two (2) coats of the mixture
- d. Coordinate to the project in charge for the monitoring of actual materials consume/use.
- e. Apply to both faces of perimeter walls

3. Seal Cracks and Joints:

After applying the base coat of the waterproofing material, ensure all cracks and joints are fully sealed to prevent water penetration.

4. Allow to Dry:

- a. Allow the Plexibond to dry for at least one day before applying a topcoat or bond coat.
- b. After applying the bond coat (pure Plexibond), you must immediately apply a concrete or mortar topping, as Plexibond cannot be exposed to the elements on its own.

5. Miscellaneous

Equipment

- | | |
|--------------------|------------------------------------|
| a. Pressure Washer | h. Safety Gloves and Googles |
| b. Scraper | i. Knee pads |
| c. Utility Knife | j. Bucket |
| d. Ladder | k. Sponge |
| e. Scaffoldings | l. Caulking Gun |
| f. Trowel | m. Measuring Tape and Spirit Level |
| g. Mixing Paddle | n. Rugs/Sand Paper |

Specification

1. Polymer-modified mortar

Made up of the following:

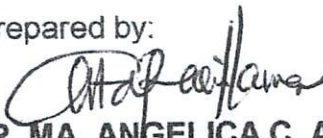
- Cement: The binding agent, typically Portland cement.
- Aggregates: Fine aggregates, such as graded sand, are crucial for strength and workability.
- Polymer: Can be a latex (e.g., acrylic, styrene-butadiene) or an epoxy emulsion, varying in content from 5-20%.
- Water: Used in a specific water-cement ratio to achieve workability and strength.
- Additives: Include surfactants, stabilisers, antifoaming agents, and pigments.

2. Plexibond Cementitious Water Proofing

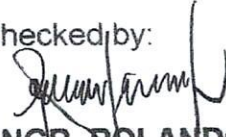
Made up of the following

- Material Type: 100% acrylic polymer designed to be mixed with Portland cement.
- Application: Applied to bare concrete, wood, and metal surfaces.
- Purpose: Ideal for positive-side waterproofing of roof decks and firewalls, providing excellent adhesion, water resistance, and flexibility.
- Corrosion Resistance: Offers corrosion resistance when applied to metal surfaces.
- Decorative Finish: Can provide a decorative "orange peel" texture finish when applied with a textured roller.

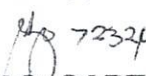
Prepared by:


ENGR. MA. ANGELICA C. AVILLANOSA
Principal Engineer C

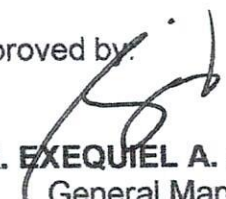
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ENGR. ROLANDO V. BARO
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Recommending for Approval by:


ENGR. RANELLY S. CARTAGO
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MR. EXEQUIEL A. AGUILAR JR.
General Manager