



**Project:** REPAIR AND REHABILITATION OF ADMIN BLDG. ROOFING  
**Location:** SLSU-MAIN, SOGOD CAMPUS, SOGOD, SOUTHERN LEYTE  
**Subject:** SCOPE OF WORK/ MATERIAL SPECIFICATION/ WORKMANSHIP  
**ABC:** Php 0.00

The Contractor shall furnish labor, tools, equipment, PPE, and supervision to perform satisfactorily all the required works for the project. The work shall include but is not limited to mobilization, demobilization, masonry works, plastering and housekeeping.

## A. MATERIAL SPECIFICATIONS

### A.01 General Requirements

The existing roofing sheets shall be removed carefully and hauled to pre-determined location within the campus.

The PV Panels shall be removed with extra care without damaging it temporarily and shall be reinstalled after the roofing job is done.

### A.02 Roofing Works

Roofing Materials:	1.22m x 0.6mmthk Pre-painted, Pre-fabricated Rib-Type Roofing Sheets 2.44mx0.6mm thk Pre-painted, Pre-fabricated Ridge Roll 2.44mx0.6mm thk Pre-painted, Pre-fabricated End-Flashing 2.44mx0.6mm thk Pre-painted, Pre-fabricated Fascia Cover 2.44mx0.6mm thk Pre-painted, Pre-fabricated Box-Type Gutter 0.6mm thk Pre-painted Plain Sheets End-Capping
Thermal Control:	Use 10mm Double-Sided Aluminum Insulation Foam
Roof frame Repairs:	Use 2"x2"x1/4" Angular Bar 2"x6"x1.5mm C-Purlins
Fascia Frame:	1"x1"x1/4" Angle Bar

The roof framing shall be cleaned and free from rust, dust, oil and previous coatings before the application of epoxy primer gray coating.

### A.03 Fabrication of End Wall

Covering:	Use 0.6mm thk Pre-painted Plain Sheets
Flashing:	Use 2.44mx0.6mm thk Pre-painted, Pre-fabricated End-Flashing
Framing:	2"x2" x 2mm C-Purlins Epoxy Primer Gray

### A.04 Waterproofing Application

Materials:	Flexible Cementitious Waterproofing Portland Cement Fine/graded sand
Surface Preparation:	<ul style="list-style-type: none"> <li>• Clean the area to be applied. Remove all laitance, contaminants, dust, oil and previous coatings.</li> <li>• Wet the application area with water until water absorption is none to minimal with no water ponding</li> <li>• Appropriately detail all critical areas in the surface to be waterproofed (refer to Detailing Guide if any)</li> <li>• Brush on one coat of Flexible Cementitious Waterproofing Primer (1 part Primer: 2 parts water) to the substrate to ensure all pores are sealed off.</li> </ul>
Mixing Ratio: <i>Waterproofing</i>	1 gallon Flexible Cementitious Waterproofing : 4.5 kgs. Or 3.5 liters Portland cement
<i>Keying Aid</i>	<p><i>For bonding old to new concrete</i></p> <ul style="list-style-type: none"> <li>• Dilute one (1) part of Flexible Cementitious Waterproofing with two (2) parts water.</li> <li>• Mix with one (1) part cement and two (2) parts sand.</li> </ul>

<p style="text-align: center;"><i>Grouting</i></p> <p>Application: <i>Waterproofing</i></p> <p style="text-align: center;"><i>Keying Aid Grouting</i></p>	<p><i>For Thin plaster/Topping Repair</i></p> <ul style="list-style-type: none"> <li>• Mix one (1) part of Flexible Cementitious Waterproofing with two (2) parts of cement and two (2) parts of graded sand.</li> </ul> <ol style="list-style-type: none"> <li>1. Apply the prepared mixture by brush over the measured area, to serve as the first coat.</li> <li>2. Allow the first coat to cure from 1-2 hours, then prepare a second mixture.</li> <li>3. Apply the second mixture over the first coat by roller (applied on the opposite direction).</li> <li>4. Let dry for 24 hours before flood testing.</li> </ol> <p>Apply mixture before pouring of new concrete.</p> <p>Use for thin topping or to acquire level roof deck surface prior to the application of Flexible Cementitious Waterproofing</p>
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**Note:** *All materials shall conformed to this technical specification and what is specified in the plan and detailed estimates. It will be thoroughly checked for desired thickness, material type, etc. before installation/application, materials that do not match to what is specified shall not be accepted.*

**B. WORKMANSHIP**

- B.01 Overall output** - All item of works shall be satisfactorily done so that the project will perform to its function well as intended. The inspectoriate team will recommend removal and replacement for items that do not meet as required.
- B.02 Site Clearing** - All surface objects other protruding obstructions not designated to remain shall be cleared and removed.
- B.03 Housekeeping** - Cleanliness and orderliness within the worksite is a must to enhance overall safety for the whole project.

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