CADANGAN PEMBINAAN PROJEK BALAI BOMBA DAN PENYELAMAT BEAUFORT, SABAH



TITLE:

METHOD STATEMENT FOR BRICK LAYING

AND PLASTERING WORK

DOC NO.: MOS/BRICK&PLASTER/01

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1.0 OBJECTIVE

This works to ensure the bricklaying and plastering works meet with the requirement and specifications. To perform safety working environment and compliance to the safety requirement.

2.0 SCOPE OF WORKS

This method statement to defines the systemic steps and approach to do bricklaying works for all building and external works.

3.0 REFERENCES

- Construction drawings
- Project specifications
- Inspection request form
- Approved concrete design mix

4.0 RESPONSIBILITIES

- Site Agent
- Site Supervisor
- Site Safety Supervisor
- Foreman
- General Workers

5.0 MATERIAL/ MACHINERY

- Mechanical mixing (bricks, cement, sand and water)
- Scaffolding
- Trowel
- Concrete bucket
- Concrete mixer
- Wheel barrow

6.0 WORK METHODOLOGY

6.1 For Brick Laying Works

- All drawing will be studied and understood before commencement of works
- Lines and levels to be set out by the competent person;
  - 3-Foot-High for opening Without Door Frame prepare on-site
  - 1-Foot-Both Side allowance for opening Without Window Frame prepare on-site
- Stiffener shall be constructed every 3m from column gridline
- Material will be stacked as close as possible to the working area
- Brick works, wall ties, damp proof course, lintel beam details will be in accordance with Architectural and/or Engineer drawings
- Brick, blocks and mortar will be supplied to bricklayers by experienced workers. The materials will be positioned in a manner to reduce the manual handling requirement
- Mortar will be mixed on site and the cement sand composition for mortar will be 1:3 ratios
- Scaffolding will be erected and will be inspected by 3S.
- Line and level will be continually checked during works
- All surplus/broken materials will be removed from the working areas to ensure continual housekeeping as part of our safe system works.

6.2 For Plastering Works

- The surface shall be roughened or splash dash coated using ratio 2:1 sand cement mortar to a thickness of approximately 4mm to 5mm. this will be applied and finished to enhance adhesion of the plaster in accordance with the manufacturer recommendation.
- The brick wall shall be sprayed with sufficient water before plastering works.
- All flush joint between brickwork and structural concrete shall have a layer of approved exmet mesh between the surface and the first coat of plaster to cover the joint and prevent cracking.
- For wet area such as toilets and bathrooms, a cementitious waterproofing compound shall be applied to the concrete floor and return up the wall to a maximum height of 150mm before plastering.
- A thin first coat is required where the water proofing return up the wall with a fillet placed in the corner to provide a smooth surface for the application of waterproofing compound.
- The finished surface shall be set out using string lines and plumbing to give a nominal 20mm thickness. Small plaster level packers will be formed at interval along the string line to be used as finished line indicator when applying the top coat.
- The surface between coating and any area that may require subsequent coating will be left with roughened surface to provide a key and improve adhesion of the subsequent coating. All arises will be slightly rounded.
- For external area where a sprayed texture finish or area to be tiled, a slightly roughened surface shall be provided using wood float or sponge.
- Any minor shrinkage crack shall be patched before final finishing treatment

7.0 SAFETY AND ENVIRONMENT ISSUE

7.1 Safety

- All workers shall provide with PPE (Personal Protective Equipment) and shall be worn every time they are entering the site. Safety supervisor shall ensure all the workers wear all the safety equipment provided.
- Portland cement can cause burns on unprotected skin. Do not breathe the dust from the Portland cement or aloe it in your eyes. A respirator and safety glasses are recommended
- Safety Supervisor shall ensure that the activity shall ensure that activity shall carried out in a safe manner.
- All workers shall fully support and activity participate in all safety related activities and comply with all practicable safety measures.
- All workers shall be advised to report any accident or injury to supervisor and proper treatment to be obtained.
- The safety supervisor shall ensure that workers understand the safety regulations and explain in detail in particular hazards, where the workers are working and the precaution to be taken to ensure their safety.

7.2 Environmental

- All workers shall ensure that all tools and equipment machinery are in good condition to avoid any oil leakage that could harm to environment
- Water from particular construction area shall be diverted into proper drain which is eventually empties into silt trap.
- Domestic and construction waste from construction area must be collected into centralized garbage bin and disposed at the designated area.