



Republic of the Philippines
Department of the Interior and Local Government
BUREAU OF FIRE PROTECTION
CORDILLERA ADMINISTRATIVE REGION
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PROJECT : CONSTRUCTION OF KAPANGAN FIRE STATION
OWNER : BUREAU OF FIRE PROTECTION
LOCATION : PAYKEK, KAPANGAN, BENGUET
AMOUNT : Php 5,000,000.00
DATE : March, 2022

SCOPE OF WORKS

A. GENERAL REQUIREMENTS

1. Preparation/Pre-Inventory of Tools, Construction Equipment, Delivery of Construction Materials and Preparation of
2. Processing of Building Permit Fees, Miscellaneous Expenses and Electrical and Water Connection
3. Preparation of safety signages and warning designs
4. Fabrication and installation of project billboard

B. EXCAVATION WORKS

1. Leveling of site (downgrading to road level)
2. Structural Excavation

C. FORM WORKS AND SCAFFOLDING

1. Concrete Foundation, Column, Beam, Floor Slab and Stair form works shall be establish using 1/4" Thk Phenolic Board with Good Lumber Framing and Steel Pipes for Scaffoldings
2. Establish Shoring and Underpinning system if needed in the construction site

D. CONCRETE WORKS:

1. **Foundation, Tie/Grade Beams, Col, Floor Slab**
 - a. Concreting using proper mixture ratio
2. **Middle Beams, Roof Deck Beams and Floor Slab**
 - a. Concreting of second floor beams, second floor slab and columns
3. **Roof Beam, Floor Slab, Canopy & Col:**
 - a. Concreting of roof beams, floor slabs, canopy and columns
4. **Site Development Concrete Works**
 - a. Concreting of Pavement/Pathway/Driveway, Drainage & Canals
5. **Pouring Permit**
 - a. Before pouring of concrete on all structural concrete members please secure pouring permit from RIAC

E. REINFORCING STEEL BAR WORKS:

1. **Foundation, Tie/Grade Beams, Col, Floor Slab**
 - a. Metal reinforcement fabrication for Column footings, Tie/Grade Beams, Columns, and Floor slab (see detail)
2. **Middle Beams, Roof Deck Beams and Floor Slab**
 - a. Metal reinforcement fabrication for Middle Beams, Roof Deck Beams and Floor Slab(see details)
3. **Roof Beam, Floor Slab & Col:**
 - a. Metal reinforcement fabrication for Roof beams, Floor Slab and Columns(see details)

F. MASONRY WORKS and PLASTERING

1. C.H.B Laying including excavation and metal reinforcement
2. Plastering using Class "A" Mixture Ratio

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Scope of Works

G. DOORS AND WINDOWS

1. Fabrication of Doors with complete accessories and hardwares installed and anchored to c.h.b walls (door openings)
2. Fabrication of Aluminum Windows with complete accessories and hardwares installed/ anchored to finished window openings.

H. TILE WORKS

1. Laying /Installation of 600mm x 600mm Office floor tiles from Ground Floor to Mezzanine Floor
2. Laying/Installation of 300mmx300mm Unglazed floor tiles to Toilet and Bathrooms
3. Laying/Installation of 300mmx600mm Glazed wall tiles to Toilet and Bathrooms
4. Laying/Installation of 300mmx600mm Unglazed Floor Tiles to Stairs
5. Installation of Brass Stair Nosing
6. Application of ABC tile Grout for Tileworks finishing

I. PLUMBING WORKS

1. Roughing in for waterline and drainage system.
2. Fitting of Pipes including threading,fastening and PPR pipe installation
- 3.Installation of Plumbing fixtures and Toilet/Bathroom Fixtures with complete accessories
4. Installation of Siamese Connection and Overhead water tank(500 gal.) with pump, fittings and accessories
5. Installation of Grab bar and Towel bar for the Toilet and Bathroom

J. SEPTIC TANK

1. Construction of Septic tank with complete plumbing layout and pipe fittings with proper sanitary consideration to adjacent surrounding/environment

K. ELECTRICAL WORKS

1. Roughing-in/laying of electrical conduits with C- Clamp and junction box
2. Electrical Wiring including Cable,Communication Line and Bell (Big ben)
3. Installation/Layout of Lighting Fixtures including lihting Switches
4. Installation/Layout of Convenience Outlet Fixtures
5. Installation of Main Distribution Panel Board including circuit breaker
6. Installation of Panel Board for Sub Distribution Panel board including circuit breaker
7. Installation of Double pole double throw(Manual Transfer switch) for Power Generator
8. Other Major works and miscellaneous for Electrical works

L. IRON WORKS/STEEL WORKS

1. Fabrication of Steel Railings for stairs using 1-1/2" dia Stainless Pipe S-40 and accessories for railguard anchored to concrete
2. Fabrication of Slide pole using 3" Dia. Stainless pipe Sched 40
3. Fabrication of Railings at terrace and slide pole using 1-1/2" dia Stainless Pipe S-40 and accessories
4. Fabrication of Flag pole using 3" Dia. Stainless pipe Sched 40

M. PAINTING WORKS

PARKING AREA (58.2sq. m.)

1. Preparation of floor area to be painted
2. Application of 2 Coatings of Rubberized paint (Branded)

INTERIOR AND EXTERIOR WALLS (652.08 sq.m)

1. Preparation of walls to be painted using concrete neutralizer
2. Application of skimcoat for refining of walls and filling hairline cracks
3. Application of 1coat of Flat Latex Paint (primer paint) for masonry walls
4. Application of 2 coats of Gloss Latex Paint (Top coat) for masonry walls
5. Application of Epoxy Primer for metal works and QDE for finishing touches

CEILING (217 sq.m.)

1. Preparation of walls to be painted using epoxy primer
2. Application of patching compound for refining of ceiling
3. Application of 1coat of Flat Wall Enamel Paint (primer paint) for ceiling
4. Application of 2 coats of Quick Drying Enamel

N. FACADE TILE WORKS, (See Plan for Detail)

1. Installation of 300mm x 600mm Brick Design granite tiles using Tile Adhesive and Sand

O. Emergency Light and Fire Extinguisher

1. Installation of Emergency Lights, Fire Extinguisher and other Fire Safety Devices as prescribed by the Fire Code of the Philippines (RA 9514)

P. COMPOSITE ALUMINUM BUILDING PANEL (including concrete slab canopy)

1. Installation of Composite Aluminum panel anchored to concrete canopy, wall, column and fastened to metal frames. (See details)

Q. Panaflex With Stainless Framing DILG and BFP Official Logo (500mm dia x 50mm)

1. Installation of pre-fabricated DILG and BFP Official Logo metal (see details)

R. (KAPANGAN FIRE STATION) Stainless Metal Cut Out Letters Signage with Accessories (see drawing details)

1. Installation of pre-fab 3D Stainless metal Cut Out Letterings (see details)

S. LOUVERS with ACCESSORIES

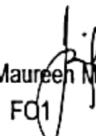
1. Installation of pre-fab louvers (see details)

I. WATER PROOFING

1. Preparation of floor area to be painted
2. Application of 2 Coatings of plexibond paint

Z. Other Miscellaneous Works as prescribed by the Technical Working Group and Designing Team of the Bureau of Fire Protection.

Prepared By:

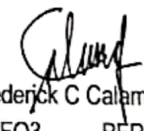

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