



Republic of the Philippines
Department of the Interior and Local Government
BUREAU OF FIRE PROTECTION
CORDILLERA ADMINISTRATIVE REGION
#36 La Chesa Road, Purok 4, Irisan, Baguio City
Tel. Fax (074) 304-3122
Email: bfpccarcoc@yahoo.com



PROJECT : CONSTRUCTION OF DANGLAS FIRE STATION
OWNER : DANGLAS FIRE STATION
LOCATION : DANGLAS, ABRA
DATE : March 12, 2022

SCOPE OF WORKS

A. GENERAL REQUIREMENTS

1. Mobilization/Demobilization

1. Preparation/Pre-Inventory of Tools and Construction Equipment
2. Trucking/Delivery and Preparation of Materials to Jobsite

2. Building permit fees/ Miscellaneous fee

1. Processing of Building Permit Fees and Miscellaneous expenses
2. Processing/Preparation of Legal Documents needed for the implementation of building construction project

3. Equipment Rentals

1. Equipments for hauling and other equipments needed during the construction

4. Electrical Main line connection

1. Electrical connection to main/primary line service
2. Installation of Electrical System
3. Installation of 2HP Split Type Airconditioning Unit

5. Water Main line connection

1. Connection to main waterline supply
2. Installation of Water System

6. Personal Protective Equipment, Medicine and Signage

1. Ensure all workers to use PPE during the whole duration of the construction of the project
2. Safety signages

7. Project Billboard

1. Tarpaulin project billboard on 1/2" thick plywood fasten on 2"x3" good lumber frames

B. EXCAVATION WORKS

1. Foundation excavation works including dewatering(water pump out) if needed during excavation
2. Excavation of Septic Vault (Septic Tank) including drainage system
3. Excavation for Fence Column foundation
(See structural details)

C. SITE DEVELOPMENT

1. Construction of Flag Pole
2. Landscaping including vegetation

D. FORM WORKS AND SCAFFOLDING

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

E. 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

F. 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)

G. MASONRY WORKS

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

H. CARPENTRY WORKS (Cabinets)

1. Fabrication of Built-In Cabinets/Closet and other storage facilities
2. Fabrication of Bulletin board
3. Application of Anti termite wood preservatives

I. CEILING WORKS

1. Installation of Ceiling frames using metal furrings with accessories, hardware and fastening materials.
2. Installation of Hardiflex ceiling board fastened to metal frames and gap filling.

J. DOORS AND WINDOWS

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

K. 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 300mmx300mm Glazed wall tiles to Toilet and Bathrooms
4. Installation of Brass Stair Nosing
5. Application of ABC tile Grout for Tileworks finishing

L. 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
6. Flexible Rubber Hose 3" dia. Exhaust for Fire Truck (Maunted to exhaust of fire truck)

M. SEPTIC TANK

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

N. ELECTRICAL WORKS

1. Roughing-in/laying of electrical conduits with C- Clamp and juntion box
2. Electrical Wiring including Cable,Communication Line and Bell (Big ben)
3. Installation/Layout of Lighting Fixtures including liting 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. Installation of 2HP Air Conditioning Unit
9. Other Major works and miscellaneous for Electrical works

O. IRON WORKS/STEEL WORKS

1. Fabrication of 1-1/2" dia. Stainless Steel Hand Rails for stairs, Hall way and Grab bars anchored to concrete with accessories
2. Fabrication of Slide pole using 3" Dia. Stainless pipe Sched 40
3. Fabrication of Flag pole using 2" Dia. Stainless pipe Sched 40

P. PAINTING WORKS

01. Apparatus Area/Parking Area

1. Preparation of floor area to be painted
2. Application of 3 Coatings of Rubberized paint (Branded)

02. Interior,Exterior Walls & Ceiling

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 3 coats of Gloss Latex Paint (Top coat) for masonry walls
5. Application of Epoxy Primer for metal works and QDE for finishing touches

Q. PPE Rack,Shelves and Storage

1. Fabrication of Hanging bar for the PPE and other Firefighter's equipment
2. Fabrication of PPE storage using 2"x2" Meshwire(steel Matting)

R. Emergency Light and Fire Extinguisher

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

S. COMPLETE WATER PROOFING OF ROOF TOP

1. Application of Complete water proofing system using branded concrete void/crack sealer, water proofing cementitious paint and other water proofing compound/admixture for Roof Deck.
2. Flood Test for T&B and Roof Deck (Leak Test)

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

1. Installation of Composite Aluminum panel anchored to walls and fastened to metal frames.
(See details)

U. PERIMETER FENCE

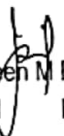
1. Construction of Perimeter Fence using reinforced concrete
2. Installation of masonry wall and concrete column
3. Spacing of column atleast 2m

V. MISCELLANEOUS WORKS

1. Installation/Production of official DILG and BFP Logo using 50mm thk Brass Plate at 700 mm in height.
2. Installation/Production of stainless cut out station and municipal names using 50mm Thk 304 Stainless steel extended/moved from wall surface to 50mm at 300 mm in height for the Fire Station Name and 200 mm height for the Municipal Name.
3. See details for Bed Bunks, Office tables and Dining Tables

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

Prepared By:


 Maureen M Brioso
 FO1 BFP

Engineering and Maintenance Section Staff


 Elvis P Miguel
 FO1 BFP

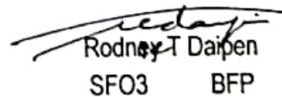
Engineering and Maintenance Section Staff

Checked:


 Alfredo U. Bustillo Jr.
 SFO3 BFP

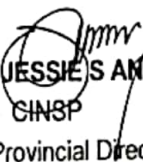
C, Engineering & Maintenance Section

Concurred by:

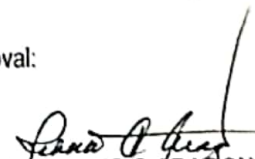

 Rodney T Daipen
 SFO3 BFP

Municipal Fire Marshal, Danglas Fire Station

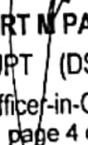
Verified:


JESSIE S ANNASIW
 CINSIP BFP
 Provincial Director Abra

Recommending Approval:


ROBERTO C ARAGON
 CINSIP BFP
 Chief, Logistics Division

Approved:


ROBERT M PACIS, MBA
 SR SUPT (DSC) BFP
 Officer-in-Charge
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DANGLAS Fire Station

Scope of Works