



SCOPE OF WORK

Project Title: Construction of PRSD Legazpi Building

Project Location: Legazpi, Albay

I. Other General Requirements

- Construction of Project Billboard/Signage
- Occupational Health and Safety Program.
- Basic P.P.E. for workers at site good for 365 C.D.
 - *All workers, shall be in proper uniform and shall conform with the DOLE D.O. No. 13 series of 1998, GUIDELINES GOVERNING OCCUPATIONAL SAFETY AND HEALTH IN THE CONSTRUCTION INDUSTRY.*

II. Earthworks

- Clearing and Grubbing
- Structure Excavation (Soft Rock-Manual)
- Soil Poisoning
- Backfilling Excavated Materials

III. Structural Concrete Works

- Gravel Bedding (50mm. thick)
- Structural Concrete for Footing & Wall Footing, Sun Breaker Footing (Class "A" 28 days) 21MPa.
- Reinforcing Steel (Footing, Wall Footing, Subn Breaker Footing), Gr. 60
- Forms and Falsework (Footing & Wall Footing)
- Structural Concrete for Tie Beam, 2nd Floor Beams, Roof Deck Beams (Class "A" 28 days) 21MPa.
- Reinforcing Steel, Tie Beam, 2nd Floor Beams, Roof Deck Beams, Gr. 60
- Forms and Falsework, Tie Beam, 2nd Floor Beams and Roof Deck Beams, Rental
- Structural Concrete for Column (Class "A" 28 days) 21MPa
- Reinforcing Steel Column, Gr. 60
- Forms and Falsework, Column
- Structural Concrete for Slab on Fill, Ground Slab, 2nd Floor Slab, Roof Deck Slab (Class "A" 28 days) 21MPa
- Reinforcing Steel, Slab on Fill, Ground Slab, 2nd Floor Slab, Roof Deck Slab, Gr. 60
- Forms and Falsework, Slab on Fill, Ground Slab, 2nd Floor Slab, Roof Deck Slab, Penthouse Slab, Rental
- Structural Concrete for Ground Stair at Entry Porch, Ground to Roof Deck Stairs, Pathwalk, Ramps (Class "A" 28 days) 21MPa
- Reinforcing Steel for Ground Stair at Entry Porch, Ground to Roof Deck Stairs, Pathwalk, Ramps, Gr. 60

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- Forms and Falsework, for Ground Stair at Entry Porch, Ground to Roof Deck Stairs, Path walk, Ramps
 - *All construction materials shall be subjected for testing before actual use.*
 - *Concrete shall be subjected to 14th, 21st and 28th days compression tests.*
 - *All structural concrete works shall be Ready Mix.*

IV. Masonry Works

- 150mm. CHB Non Load Bearing - Exterior (incl. Reinforcement and mortar)
- 100mm. CHB Non Load Bearing - Interior (incl. Reinforcement and mortar)
- Cement Plaster Finish

V. Finishes

- Floor Finishes
 - FF-1, 600mm. X 600mm. Non-skid Granite Tiles
 - FF-2, 800mm. X 800mm. Non-skid Granite Tiles
 - FF-3, 600mm. X 600mm. Synthetic Granite Tiles
 - FF-4, 800mm. X 800mm. Glazed Granite Tiles
 - FF-5, Supply and Installation of Carpet Flooring with underlay foam complete
 - FF-6, 600mm. X 600mm. Non-skid Granite Tiles w/ PVC Stair Nosing
 - FF-7, 400mm. X 400mm. Non-skid Granite Tiles
 - FF-8, Waterproofing Cement Base
 - Waterproofing Bituminous Torch-Membrane w/ 2" concrete topping reinforce with ga. #8 steel matting and top coat finish of two-component water based acrylic epoxy paint (2 coats).
 - Granite Countertop for Kitchenette & Conference Toilet (includes Under Counter Lavatory, 300 x 300 granite wall tiles, Overhead and Under kitchen Cabinet made of 3/4" thick Marine Plywood)
 - *All granite tiles shall undergo a pre-approval before installations commence.*
 - *The contractor shall submit the technical specifications of waterproofing material to be used and its methodology to PAGASA before installation and application commence.*
 - *The contractor shall submit a proposed design of cabinet before fabrication and installation commence for approval.*
- Painting Works
 - Painting Works (Concrete and Masonry Wall)
 - Skim coat shall be used to patch uneven surface before application of first coat.
 - First will be flat latex paint and two coats of semi-gloss latex paint.
 - Painting Works (Metal Painting)
 - Use Gray Alkyd Metal Primer for first coating.
 - Use Quick Dry-Enamel paint for second and third coat.
 - 4.5mm. Fiber Cement Board on Metal Frame Ceiling.
 - Stainless Metal Railings for PWD Ramps, PWD Grab Bars for PWD C.R.'s and Stair Railings
 - Metal Railings & Architectural Tubular Steel.

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- Doors and Windows
 - D-1 Double Swing Type Door with 1/2" thk. Tempered tinted glass, powder coated frames
 - D-2 Sliding Type Door with 1/2" Thk Tempered Glass, powder coated frames, (2 sets)
 - D-3 Swing Type Door with 1/2" Thk Tempered Glass, powder coated frames
 - D-4 Panel Type Door with 1/2" Thk Tempered Tinted Glass
 - D5 -Panel Type Door with 1/2" Thk Tempered Tinted Glass, incl. wooden door jamb
 - D-6 Panel Type Door with 1/2" Thk Tempered Tinted Glass
 - D-7 Flush Type Door with Louver Air Inlet
 - D-8 Louver Type Door
 - D-9 Flush Type Door w/ Kick Plate
 - W-1, 1.4m. X 2.1m, 2" x 5" Powder Coated Aluminum Framing complete with 1/2" thick tempered tinted glass
 - W-2, 1.4m. X 1.2m. , Casement type window Powder Coated Aluminum Framing w/ 1/4" thick tinted fixed glass
 - W-3, 1.4m. X 1.2m. , Fixed type window w/ 1/4" thick tinted fixed glass
 - W-4, 0.7m. X 1.2m. , Casement type window Powder Coated Aluminum Framing w/ 1/4" thick tinted fixed glass
 - W-5, 1.8m. X 0.5m., Awning type window Powder Coated Aluminum Framing w/ 1/4" thick tinted fixed glass

VI. Sanitary/Plumbing Works

- Drain Waste and Vent System (Sanitary Waste System, Storm Drainage, Catch Basin, Septic Tank)
 - *All pipes shall be High Impact uPVC Sanitary Pipe Series 1000 and shall conform with ASTM D2729 Standard Specification for Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings. Has undergone the following test methods in conformance with ISO 2505, ISO 3472, ISO 3127 and ASTM D2241.*
- Plumbing Fixtures
 - 1 set, Urinal
 - 7 sets, Wall-Hung Lavatory
 - 8 sets, Stainless Steel Lavatory Faucet
 - 8 sets, Stainless Steel Faucet for each C.R.'s
 - 8 sets, Flush Tank Type Water Closet
 - 8 sets, Soap Holder
 - 8 sets, Tissue Holder
 - 1 set, Under Counter Lavatory
 - 1 set, Stainless Kitchen Double Sink
 - 2 sets, Kitchen Sink Faucet
 - 8 sets, 1/4" thick Mirror Glass
 - 10 sets, Stainless Steel Dome Type Roof Drain
 - 1 set, Telephone Shower Handset w/ Head and Valve
 - 14 pcs., 4" x 4" Stainless Steel Floor Drain
- Cold Water Line System Pipe and Fittings
 - *All plumbing fixtures and appurtenances shall undergo a pre-approval before actual installations commence.*

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- *Cold Water Line System Shall be made of PPR. (PN 10) and shall conform with ISO 15874: Plastics Piping Systems for Hot and Cold Water Installations.*

VII. Electrical, Mechanical Works and Fire Alarm System

- Panel Board with Main Breaker/Branches and Surge Protection
 - 1-set, Panel Board NEMA Enclosure, Gray Coated, Surface Mounted, Gauge 16, Bolt On, 1 main Circuit Breaker, 2 Pole w/ 14 branches, 14 - 2 pole 1 pc 100AT, 225AF, 2 pole, 250VAC, 65 KAIC, Bolt-On, 10 pcs. 20AT, 60AF, 2pole 4 pcs. 50AT, 60AF, 2pole ALL SQUARE D
 - 1-set, Panel Board NEMA Enclosure, Gray Coated, Surface Mounted, Gauge 16, Bolt-On, 1 main Circuit Breaker, 2 Pole w/ 14 branches, 20 - 2 pole 1 pc 100AT, 225AF, 2 pole, 250VAC, 65 KAIC, Bolt-On, 14 pcs. 20AT, 60AF, 2pole 6 pcs. 30AT, 60AF, 2pole ALL SQUARE D
 - 1-set, Panel Board NEMA Enclosure, Gray Coated, Surface Mounted, Gauge 16, Bolt-On, 1 main Circuit Breaker, 2 Pole w/ 14 branches, 2 - 2 pole 1 pc 175AT, 225AF, 2 pole, 250VAC, 65 KAIC, Bolt-On, 2 pcs. 100AT, 60AF, 2pole ALL SQUARE D
 - 1-set, 175AT circuit breaker, 230V, 2P, Bolt-On in NEMA 4X enclosure
 - 4-sets, 50AT circuit breaker, 230V, 2P, Bolt-On in NEMA 3R enclosure
 - 6-sets, 30AT circuit breaker, 230V, 2P, Bolt-On in NEMA 3R enclosure
 - 1-set, Transient voltage surge suppressor, 40KA, 240VAC (L-N), MAX LDV, 275 VAC (L-N) 5ns response time, LED diagnostic type
- PVC/RSC/IMC/EMT Conduit Fittings / Conduit Works, Boxes and Fittings
- Wires and Wiring Devices
- Lighting Fixtures
 - 150 pcs. Pinlight
 - 150 pcs. 5W LED bulb
- Exhaust Fan, 7 sets, 300mm. 48W Reversible
- Fire Alarm System
 - 9 pcs., Smoke Detector
 - 1 set, Fire Alarm Control Panel
 - 2 sets, Manual Press Button
 - 2 sets, Fire Alarm Bell
 - 2 units, Fire Extinguisher
 - Hangers, Brackets and Fasteners
- Supply Delivery, Installation, testing and Commissioning of Air-conditioning Units.
 - 4-units, 3TR (Inverter) Carrier Under Ceiling FLC Series Air Conditioner, 230V, 60Hz, Single Phase, Outdoor Unit 07KHP040, Indoor Unit 42FLC036308 (Supply Delivery, installation testing & Commissioning)
 - 4-units, 2.0HP (Inverter) Carrier Optima Split-type Air Conditioner, 230V, 60Hz, Single Phase (Supply Delivery, installation testing & Commissioning)
 - 1-unit, 1.5HP (Inverter) Carrier Optima Split-type Air Conditioner, 230V, 60Hz, Single Phase (Supply Delivery, installation testing & Commissioning)
 - 1-unit, 1.0HP (Inverter) Carrier Optima Split-type Air Conditioner, 230V, 60Hz, Single Phase (Supply Delivery, installation testing & Commissioning)

All electrical fixtures and appurtenances to be used shall undergo a pre-approval before actual installations commence.

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Note:

Specifications shall conform with the DPWH Standard Specifications for Highways, Bridges, Airports and Buildings (Volume II), these includes Description, Construction Requirements and Method of Measurement, The National Structural Code of the Philippines 2015, National Building Code of the Philippines, Batas Bilang Pambansa 344, Philippine Electrical Code, Local Ordinances and other pertinent laws.

Detailed Unit Price Analysis (DUPA) for each item shall be provided by the contractor as basis for the Cost Estimates.

Prepared by:

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