



SCOPE OF WORK

Project Title: Design and Build Scheme for the establishment of AGNO, PANGASINAN Doppler Weather Surveillance Radar Tower including Provision for Water Supply System and 37.5KVA, 220 VAC, 1- Φ Commercial Electric Power Supply, Electrical Service Entrance Post, Office Furniture, Fixtures, Public Comfort Room, Security Guardhouse and Access Road.

Project Location: Brgy. Patad, BarioBoboy, Municipality of Agno, Pangasinan

- I. Mobilization and Demobilization
- II. Permits and Other Fees
- III. Occupational Health and Safety Program.
 - Basic P.P.E. for workers at site good for 300 C.D.
- IV. Construction Survey
 - Conduct necessary field survey and investigation which may include topographic survey and other surveys shall be carried out in accordance with the design guidelines, criteria and standards adopted by the agency.
- V. Project Billboard/Signage
- VI. Earthworks
 - Clearing, grubbing cutting of trees etc.
 - Stripping
 - Foundation Excavation, Common, Rock
- VII. Soil Poisoning
- VIII. Concrete Works
 - All structural members, footings, beams, columns, slabs, stairs, porch, ramps, including Radar and Radome concrete pedestals.
- IX. Masonry Works

Note: All CHB walls shall be 700psi. Exterior 150mm., Interior 100mm.
- X. Finishes

Note: All railings shall be stainless steel.
- XI. Fabricated materials and hardware.

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Note:

Doors

Location	Specifications
Main Entrance Door (Ground Floor)	1-set, 2-Door Double swing type uPVC framed, 10mm. thick tempered tinted glass door.(1.8m. x 2.1m.), <i>complete with lockset and other accessories.</i>
Hallway (Ground Floor)	1-set, Door swing type uPVC framed, 6mm. thick tinted glass door.(0.9m. x 2.1m.), <i>complete with lockset and other accessories.</i>
Conference Room (Ground Floor)	1-set, Door swing type uPVC framed, 6mm. thick tinted glass door. (0.9m. x 2.1m.), <i>complete with lockset and other accessories.</i>
Radar Control Room (Ground Floor)	1-set, Door swing type uPVC framed, 6mm. thick tinted glass door. (0.9m. x 2.1m.), <i>complete with lockset and other accessories.</i>
Tower Entrance Door (Ground Floor to 9 th floor level)	9-sets, Swing type uPVC framed, 6mm. thick tinted glass door. (0.9m. x 2.1m.), <i>complete with lockset and other accessories.</i>
Stockroom (Ground Floor)	1-Panel Door. (0.9m. x 2.1m.), <i>complete with lockset and other accessories.</i>
PWD C.R. (Ground Floor)	1-set, Light weight steel door w/ steel louver ((0.9m. x 2.1m.), <i>complete with lockset and other accessories.</i>
Door at Manhole, (Wire and Pipe Chase Area, Ground floor to 9 th floor level)	9-sets, Light weight steel door w/ steel louver ((0.7m. x 2.1m.), <i>complete with lockset and other accessories.</i>
C.R. at Pantry	1-set, Panel Door. (0.6m. x 2.1m.), <i>complete with lockset and other accessories.</i>
Exit Door at Pantry (Ground Floor)	1-set, Panel Door. (0.8m. x 2.1m.), <i>complete with lockset and other accessories.</i>
Personnel Quarters (Ground Floor)	1-set, Panel Door. (0.8m. x 2.1m.), <i>complete with lockset and other accessories.</i>
Pantry to powerhouse door (Ground Floor)	1-set, Light weight steel door w/ steel louver and (0.2m. x 0.4m. viewing glass) (0.8m. x 2.1m.), <i>complete with lockset and other accessories.</i>
Powerhouse Main Opening	1-set, Aluminum Roll up door, Ga.

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	24, manually operated complete w/ shutter accessories.
2 nd floor to 2 nd floor roof deck exit door (2 nd Floor)	1-set, Light weight steel door w/ (0.2m. x 0.4m. viewing tempered glass) (0.8m. x2.1m.), complete with lockset and other accessories.
9 th floor level exit door	1-set, Light weight steel door w/ (0.2m. x 0.4m. viewing tempered glass) (0.8m. x2.1m.), complete with lockset and other accessories.
C.R. at 9 th Floor	1-set, Panel Door. (0.6m. x 2.1m.), complete with lockset and other accessories.
Guard house Door	1-set, Door swing type uPVC framed, 10mm. thick tempered tinted glass door. (0.7m. x 2.1m.), complete with lockset and other accessories.
PWD Public C.R. / Female	1-set each, Light weight steel door w/ steel louver (0.9m. x 2.1m.), complete with lockset and other accessories.
Public Male C.R.	1-Light weight steel door w/ steel louver (0.6m. x 2.1m.), complete with lockset and other accessories.

Windows

Location	Specifications
Conference Room, Radar Control, Pantry, Personnel Quarters (Ground Floor)	6-sets, Sliding type window uPVC framed, 10mm. thick tempered tinted glass door. (1.2m. x 2.4m.), complete with lockset and other accessories.
Ground Floor, 2 nd floor to 9 th floor and Radar Transmitter Room	40-sets, Sliding type window uPVC framed, 10mm. thick tempered tinted glass door. (1.2m. x 1.2m.), complete with lockset and other accessories.
Radar Control Room (Ground Floor)	2-sets, fixed type window uPVC framed, 6mm. thick tinted glass door. (1.2m. x 1.2m.), complete with lockset and other accessories.
Ground Floor PWD C.R., 9 th Floor C.R., Public C.R. – PWD, Female & Male, Pantry C.R.	5-sets, Sliding type window uPVC framed, 6mm. thick tinted glass door. (0.4m. x 0.5m.), complete with lockset and other accessories.
Powerhouse	2-sets, Concrete Louver Blocks, 700psi.
Guardhouse	1-set, 10mm. thick tempered tinted fixed glass window on uPVC frame.

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	<i>(0.6m. x 1.5m.), complete with lockset and other accessories.</i>
Guardhouse	1-set, 10mm. thick tempered tinted fixed glass window on uPVC frame. <i>(1.6m. x 1.7m.), complete with lockset and other accessories.</i>

XII. Waterproofing works

- Torched applied granulated waterproofing membrane w/ 300mm. x 300mm. unglazed floor tiles, w/ mortar reinforced with steel matting.

XIII. Painting works

- 3 coats for all painting works.

XIV. Sanitary and Plumbing works

- Waste, Downspout and vent line piping system.
- Cold water line piping system.
- Plumbing Fixtures.
- Catch Basin and drain pipes.
- Septic Tank.
- Construction of water supply system.

XV. Electrical Works including Fire alarm system

- Conduit Works.
- Wire and Wiring devices.
- Lighting fixtures and lamps.
- Panel boards and cabinets.
- Fire alarm system (UL Listed).
- Concrete service entrance post.

Note: Coordinate with the Electrical/Mechanical Unit of PAGASA

XVI. Mechanical Works

- ventilation and fire suppression system.
- Installation of fire protection system and dry stand pipe.
 - Pipe and fittings.
 - Fire hose cabinets and accessories
 - Valves and devices.

Note: Coordinate with the Electrical/Mechanical Unit of PAGASA

XVII. Site Development

- Flagpole and PAGASA stainless station I.D. and landscaping. *(Note: coordinate with Infra Unit regarding the specifics of station I.D.)*

XVIII. Guardhouse and Public C.R. (Concrete Roof deck)

- Earthworks.
- Concrete works.
- Masonry works.

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- Plastering works.
- Painting works.
- Finishes.
- Fabricated materials and hardware.
- Sanitary and plumbing system.
- Waterproofing works.
- Landscaping.

XIX. Gravel bed access road (4m. x 1,145.30m.)

- Earthworks.
- Gravel Bedding
- Cross drains.
- Catch basin.
- Slope protection works.
- Barriers.
- Road Signages.

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