



BIDS AND AWARDS COMMITTEE (BAC)

SUPPLEMENTAL BID BULLETIN NO. 2022 – 005

February 08, 2022

This Supplemental Bid Bulletin No. 2022 – 005 is issued to amend the following Sections of the Bidding Documents for the “Establishment of IP Farmers’ Field Schools for Environmental Conservation)”.

I. Changes in the Section I- Invitation to Bid item no. 1

FROM	AMENDMENTS/CHANGES
<p>1. The Davao del Sur State College, through the Fund 101 intends to apply the sum of Seven Million Pesos (Php 7,000,000.00) being the Approved Budget for the Contract (ABC) to payments under the contract for Establishment of IP Farmers’ Field Schools for Environmental Conservation /DSSC PSU 2022-01-004. Bids received in excess of the ABC shall be automatically rejected at bid opening.</p>	<p>1. The Davao del Sur State College through the FY 2022 General Appropriations Act intends to apply the sum of P10, 000, 000.00 for the Establishment of IP Farmers’ Field Schools for Environmental Conservation. The amount of Seven Million Pesos (Php 7,000,000.00) being the Approved Budget for the Contract (ABC) to payments under the contract for the Construction of IP Farmers’ Field Schools for Environmental Conservation / DSSCPSU 2022-01-004. Bids received in excess of the ABC shall be automatically rejected at bid opening.</p>

II. Changes in the Section II- Instruction to Bidders item no. 2.2.

FROM	AMENDMENTS/CHANGES
<p>2. Funding Information 2.1 The GOP through the source of funding as indicated below for 2022 in the amount of Seven Million Pesos (Php 7,000,000.00). 2.2 The source of funding is: a) GOCC and GFIs, the Corporate Operating Budget.</p>	<p>2. Funding Information 2.1 The GOP through the source of funding as indicated below for 2022 in the amount of Seven Million Pesos (Php 7,000,000.00). 2.2 The source of funding is: a) NGA, the General Appropriations Act or Special Appropriations.</p>

III. Changes in the Parameters

FROM	AMENDMENTS/CHANGES
<p>2. Scope of Work</p> <p>2.1 Preliminary Design.</p> <p>Prospective bidders shall submit in 20"x 30" blueprint (One set only).</p> <p>(For the drawings/designs) the development proposal containing the design drawings based on the design concept provided in section VI: All measurements shall be expressed in metric units.</p> <p>Prospective bidders shall submit in 20"x 30" blueprint (One set only).</p> <p>(For the drawings/designs) the development proposal containing the design drawings based on the design concept provided in section VI: All measurements shall be expressed in metric units.</p> <p>i. 3D walkthrough</p> <ul style="list-style-type: none"> • (For Exterior showing all the sides and top view of the roof) • (For Interior showing the production area) <p>ii. Site Development Plan of scale not smaller than 1:200 (signed and sealed)</p> <p>iii. Perspective View of the Building, Photorealistic Presentation (signed and sealed)</p> <p>iv. Floor Plans, clearly labeled (signed and sealed)</p> <p>v. Building Elevations, four (4) views, clearly labeled (signed and sealed)</p> <p>vi. Building Sections, two (2) sections, clearly labeled (signed and sealed)</p> <p>vii. Interior Designs, in perspective view (signed and sealed)</p>	<p>2. Scope of Work</p> <p>2.1 Preliminary Design.</p> <p>Prospective bidders shall submit in 20"x 30" blueprint (One set only).</p> <p>(For the drawings/designs) the development proposal containing the design drawings based on the design concept provided in section VI: All measurements shall be expressed in metric units.</p> <p>i. 3D walkthrough</p> <ul style="list-style-type: none"> • (For Exterior showing all the sides and top view of the roof) • (For Interior showing the receiving lobby) <p>ii. Site Development Plan of scale not smaller than 1:200 (signed and sealed)</p> <p>iii. Perspective View of the Building, Photorealistic Presentation (signed and sealed)</p> <p>iv. Floor Plans, clearly labeled (signed and sealed)</p> <p>v. Building Elevations, four (4) views, clearly labeled (signed and sealed)</p> <p>vi. Building Sections, two (2) sections, clearly labeled (signed and sealed)</p> <p>vii. Interior Designs, in perspective view (signed and sealed)</p> <p>viii. Engineering Plans and Details (Structural-Foundation plan) (signed and sealed)</p> <p>ix. Signed and sealed structural design, analysis of the structure.</p>



<p>viii. Engineering Plans and Details (Structural-Foundation plan) (signed and sealed)</p> <p>ix. Signed and sealed structural design, analysis of the structure.</p>	
<p>DESIGN PARAMETERS</p> <p>ARCHITECTURAL DESIGN PARAMETERS</p> <p>II. General Drawing Guidelines</p> <p>1. General:</p> <ul style="list-style-type: none"> <input type="checkbox"/> All drawings shall be computer-drafted. <input type="checkbox"/> Keep the same orientation for all plans. The north orientation shall be indicated in all architectural floor plans. The orientation of the architectural plans shall be consistent with all the engineering plans. <input type="checkbox"/> Existing buildings and new works shall be clearly indicated and labeled in the site plans. <input type="checkbox"/> Detailed plans shall have a scale not smaller than 1:50 meters. <input type="checkbox"/> All materials shall be fire and moisture resistant, non-toxic and non-attractive to termite attack. <input type="checkbox"/> Door knobs shall be of lever type and made of stainless steel for all wooden doors. Provide grab bar stainless steel (304) 1" diameter for all frameless glass doors. Installation height shall conform to BP 344. <input type="checkbox"/> Use flat latex paints for ceilings. Interior wall finish shall be of semi-gloss acrylic latex paints, while exterior finish shall be of watertight solvent-based paints. <input type="checkbox"/> Spot details like plans, elevations, and sections shall have a scale not smaller than 1:10 meters. 	<p>DESIGN PARAMETERS</p> <p>ARCHITECTURAL DESIGN PARAMETERS</p> <p>II. General Drawing Guidelines</p> <p>1. General:</p> <ul style="list-style-type: none"> <input type="checkbox"/> All drawings shall be computer-drafted. <input type="checkbox"/> Keep the same orientation for all plans. The north orientation shall be indicated in all architectural floor plans. The orientation of the architectural plans shall be consistent with all the engineering plans. <input type="checkbox"/> Existing buildings and new works shall be clearly indicated and labeled in the site plans. <input type="checkbox"/> Detailed plans shall have a scale not smaller than 1:50 meters. <input type="checkbox"/> All materials shall be fire and moisture resistant, non-toxic and non-attractive to termite attack. <input type="checkbox"/> Door knobs shall be of lever type and made of stainless steel for all wooden doors. Provide grab bar stainless steel (304) 1" diameter for all frameless glass doors. Installation height shall conform to BP 344. <input type="checkbox"/> Use flat latex paints for ceilings. Interior wall finish shall be of semi-gloss acrylic latex paints, while exterior finish shall be of watertight solvent-based paints.

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| <ul style="list-style-type: none"><input type="checkbox"/> Avoid notes such as 'see architectural detail' or 'see structural'.
Always refer with a call out to the specific detail drawing and sheet<input type="checkbox"/> Glass windows shall be of dark gray type with a minimum thickness of six (6) millimeters on powder coated aluminum frames.<input type="checkbox"/> Main entrance shall be made of frameless glass doors (tempered). Office and/or other doors shall be made of dark gray glass (tempered) panels on a powder coated aluminum frame. Frameless glass doors (tempered) shall have a minimum thickness of twelve (12) millimeters.<input type="checkbox"/> Glass walls and partition must be of clear type (tempered) on a powder coated aluminum frame and shall have a minimum thickness of twelve (12) millimeters except otherwise as required.<input type="checkbox"/> All handrails shall be made of stainless steel (304) 1 ½" diameter, and railings must be 16mm square bar primed and painted finish.<input type="checkbox"/> Door knobs shall be of lever type and made of stainless steel for all wooden doors. Provide grab bar stainless steel (304) 1" diameter for all frameless glass doors. Installation height shall conform to BP 344.<input type="checkbox"/> Use flat latex paints for ceilings. Interior wall finish shall be of semi-gloss acrylic latex paints, while exterior finish shall be of watertight solvent based paints.<input type="checkbox"/> Floor finish for wet areas shall be of non-skid tile finish 600X600mm and wall tile for wet areas shall be 600X600mm 4-layers glazed tile. | <ul style="list-style-type: none"><input type="checkbox"/> Spot details like plans, elevations, and sections shall have a scale not smaller than 1:10 meters.<input type="checkbox"/> Avoid notes such as 'see architectural detail' or 'see structural'.
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<p>Synthetic granite tiles 600X600mm shall be used for all floors.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Spot details like plans, elevations, and sections shall have a scale not smaller than 1:10 meters. <input type="checkbox"/> Avoid notes such as 'see architectural detail' or 'see structural'. Always refer with a call out to the specific detail drawing and sheet 	
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Spot details like plans, elevations, and sections shall have a scale not smaller than 1:10 meters.

Avoid notes such as 'see architectural detail' or 'see structural'.

Always refer with a call out to the specific detail drawing and sheet

~~Glass windows shall be of dark gray type with a minimum thickness of six (6) millimeters on powder coated aluminum frames.~~

~~Main entrance shall be made of frameless glass doors (tempered). Office and/or other doors shall be made of dark gray glass (tempered) panels on a powder coated aluminum frame. Frameless glass doors (tempered) shall have a minimum thickness of twelve (12) millimeters.~~

~~Glass walls and partition must be of clear type (tempered) on a powder coated aluminum frame and shall have a minimum thickness of twelve (12) millimeters except otherwise as required.~~

All handrails shall be made of stainless steel (304) 1 ½" diameter, and railings must be 16mm square bar primed and painted finish.

~~Door knobs shall be of lever type and made of stainless steel for all wooden doors. Provide grab bar stainless steel (304) 1" diameter for all frameless glass doors. Installation height shall conform to BP 344.~~

~~Use flat latex paints for ceilings. Interior wall finish shall be of semi gloss acrylic latex paints, while exterior finish shall be of watertight solvent based paints.~~

Floor finish for wet areas shall be of non-skid tile finish 600X600mm and wall tile for wet areas shall be 600X600mm 4-

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Floor finish for wet areas shall be of non-skid tile finish 600X600mm and wall tile for wet areas shall be 600X600mm 4-layers glazed tile. Synthetic granite tiles 600X600mm shall be used for all floors.

2. Site Development Plan:

The site development plan shall have a scale not smaller than 1:200 meters and shall show the structures in relation to each other and its natural or built surroundings.

The main entrance and facade of the building shall be oriented perpendicular to the access road.

Wide entrance approach shall be incorporated in the plan.

Site Development Plan shall include the following.

- a. Reference location and footprint of existing buildings, with the corresponding building names and dimensions, including distances between adjacent buildings, and distances between buildings and the nearest property line.

3. Floor Plans:

4. All plans shall be 1: 100 meters. The same scale shall be used for the rest of the architectural, structural, sanitary,

layers glazed tile. Synthetic granite tiles 600X600mm shall be used for all floors.

~~□ Spot details like plans, elevations, and sections shall have a scale not smaller than 1:10 meters.~~

~~□ Avoid notes such as 'see architectural detail' or 'see structural'.~~

~~Always refer with a call out to the specific detail drawing and sheet~~

2. Site Development Plan:

□ The site development plan shall have a scale not smaller than 1:200 meters and shall show the structures in relation to each other and its natural or built surroundings.

□ The main entrance and facade of the building shall be oriented perpendicular to the access road.

□ Wide entrance approach shall be incorporated in the plan.

□ Site Development Plan shall include the following.

~~a. Reference location of existing trees~~

b. Reference location and footprint of existing buildings, with the corresponding building names and dimensions, including distances between adjacent buildings, and distances between buildings and the nearest property line.

3. Floor Plans:

4. All plans shall be 1: 100 meters. The same scale shall be used for the rest of the architectural, structural, sanitary, plumbing, electrical and mechanical plans, except for each trade's site plan, detailed plans and spot details.

5. ~~It is required in the plan that the building shall have a reception desk, visitors lounge and seed to cup area, training room in the ground floors and L shape~~

plumbing, electrical and mechanical plans, except for each trade's site plan, detailed plans and spot details.

<p>concrete staircase, stainless handrails from ground to 2nd floor. The 2nd floor shall have a dining area, coffee shop counter and office space.</p>	
<p>Minimum Room Requirements</p> <ul style="list-style-type: none"> • Faculty Office <ol style="list-style-type: none"> a) Provide and conspicuously display printed texts of 80mm height, colored blue, on white 4mm thick plastic board indicating the title FACULTY AND STAFF OFFICE outside the room. b) Provide 0.6 x 1.2m length built-in wall cabinet on lamination finish. The cabinet shall be a combination of open and closed book shelves, desk drawers and open shelves for pictures and plaques display. The design shall be of modern and executive type. c) The Faculty work station shall have a space for accommodation of at least 6 visitors. d) Provide pantry with a length of 2 meter made of granite tiles with kitchen sink, back splash 0.6m high and cupboards on marine plyboard laminated finished. e) Provide cubicle type work station for office staff with convenience outlet (please see attached floor plan). f) Provide workstation for five (5) office staff with electrical provision for desktop computers. • Receiving/Information Counter <ol style="list-style-type: none"> a) The receiving/information counter serves as the first point of contact for the public with the IP Farmers Field School for Environmental Conservation building. Provide and conspicuously display printed texts of 80mm height, colored blue, on white 4mm thick plastic board indicating the title INFORMATION. 	<p>Minimum Room Requirements</p> <ul style="list-style-type: none"> • Faculty Office <ol style="list-style-type: none"> a) Provide and conspicuously display printed texts of 80mm height, colored blue, on white 4mm thick plastic board indicating the title FACULTY AND STAFF OFFICE outside the room. b) Provide <u>five (5) convenience outlet</u> for desktop computers. • Receiving/Information Counter <ol style="list-style-type: none"> a) The receiving/information counter serves as the first point of contact for the public with the IP Farmers Field School for Environmental Conservation building. Provide and conspicuously display printed texts of 80mm height, colored blue, on white 4mm thick plastic board indicating the title INFORMATION. b) Provide spotlights for posters at least three (3) to highlight display items. c) Provide three (3) convenience outlet and roughing-in for PABX Lines. • Gender Neutral / PWD Toilet <ol style="list-style-type: none"> a) For toilet identification, printed texts of 50mm height, colored blue, on 4mm thick plastic boards indicating the titles Gender Neutral / PWD Toilet shall be installed at the main entrance of each respective toilet. b) Each toilet shall have complete sets of toilet fixtures including stainless grab rail. Provide tiles finishes for interior walls and

- b) ~~Area provided shall be adequate for display of (2' x 3') posters or other relevant informative display items. Lightings shall be provided to highlight display items.~~

- c) Provide ~~electrical outlets~~ and roughing-in for PABX Lines.

• **Gender Neutral / PWD Toilet**

- a) For toilet identification, printed texts of 50mm height, colored blue, on 4mm thick plastic boards indicating the titles **Gender Neutral / PWD Toilet** shall be installed at the main entrance of each respective toilet.
- b) Each toilet shall have complete sets of toilet fixtures including stainless grab rail. Provide tiles finishes for interior walls and floors. (From Floor to ceiling. Ceiling height – 2.4 m)
- c) Toilet shall be compliant to BP 344 (accessibility law).

• **Function Room**

The IP Farmers Field School for Environmental Conservation will accommodate trainees and classes. It is where the lecture activities and orientations will take off.

- a. Provide a conspicuously display printed texts of 80mm height, colored blue, on white 4mm thick plastic board indicating the title **Function Room** at the entrance.
- b. This room/area shall be enclosed with CMU walls with cement plastered finish and painted finish.

- c. ~~Provide 60 x 60 cm unglazed floor tiles.~~

Requirements:

1. Lecture space shall have a roughing-in for interactive projector.
2. Provide circuit breaker control for electrical connections of tables.

floors. (From Floor to ceiling. Ceiling height – 2.4 m)

- c) Toilet shall be compliant to BP 344 (accessibility law).

• **Function Room**

The IP Farmers Field School for Environmental Conservation will accommodate trainees and classes. It is where the lecture activities and orientations will take off.

- a) Provide a conspicuously display printed texts of 80mm height, colored blue, on white 4mm thick plastic board indicating the title **Function Room** at the entrance.
- b) This room/area shall be enclosed with CMU walls with cement plastered finish and painted finish.

Requirements:

1. Lecture space shall have a roughing-in for interactive projector.
2. Provide circuit breaker control for electrical connections of tables.
3. Provide eight (8) electrical convenience outlet, three (3) duplex convenience outlet and two (2) one gang three prong universal convenience outlet (flush type) for laboratory equipment.

<p>3. Provide eight (8) electrical convenience outlet, three (3) duplex convenience outlet and two (2) one gang three prong universal convenience outlet (flush type) for laboratory equipment.</p> <p>4. Good ventilation (refer to NATIONAL BUILDING CODE OF THE PHILIPPINES) and illumination (refer to NEC).</p> <p>• Conference/Seminar Hall with Pantry</p> <p>a) Provide and conspicuously display printed texts of 80mm height, colored blue, on white 4mm thick plastic board indicating the title CONFERENCE ROOM at the main entrance.</p>	
<p>III. BUILDING ARCHITECTURAL WORKS</p> <p>a. Floor Plans:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The structural, sanitary, electrical, plumbing and mechanical designs are required to refer to architectural plans and specifications in case of discrepancies. If an engineering design will have any possible conflict or interference on the architectural design, the latter may be adjusted provided the aesthetic value will not be compromised. <input type="checkbox"/> The architectural and engineering design plans shall be consistent all through out in terms of dimensions and locations of columns, beams, walls, roof line, conduits, pipes and fixtures among others. Column and beam grid lines shall also be consistent in all the architectural and engineering plans. <input type="checkbox"/> Public toilets shall have provisions and fixtures for persons with disability as required by BP 344. If enough space allows, toilets specially made and designated for persons with disability is preferable. 	<p>III. BUILDING ARCHITECTURAL WORKS</p> <p>a. Floor Plans:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The structural, sanitary, electrical, plumbing and mechanical designs are required to refer to architectural plans and specifications in case of discrepancies. If an engineering design will have any possible conflict or interference on the architectural design, the latter may be adjusted provided the aesthetic value will not be compromised. <input type="checkbox"/> The architectural and engineering design plans shall be consistent all through out in terms of dimensions and locations of columns, beams, walls, roof line, conduits, pipes and fixtures among others. Column and beam grid lines shall also be consistent in all the architectural and engineering plans. <p>b. Walls:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Exterior walls shall be 4" thick CHB (600 psi), while interior walls shall 4" thick CHB (600psi).

b. Walls:

- Exterior walls shall be 4" thick CHB (600 psi), while interior walls shall 4" thick CHB (600psi). ~~This is indicative of the finished wall thickness including the plastering and tile works.~~

- ~~Toilet wall shall be 600mm. x 600mm glazed tile.~~

- Layout and work on wall tiles must be aligned, plumb, level and square.
- All edges, corners, and intersections of toilet tiles shall be provided with aluminum tile trims.
- Tile color and design shall be approved first before installation.
- Present blow-up plan including detail section/elevations (to show all sides of the room) and spot details on a scale of not smaller than 1:50m. Indicate dimensions, elevations, clearances, center lines, slopes, fixture type, finishes and accessories.
- Provide fixture detail and accessories including mounting heights from finish floor levels.
- Folding Partitions for the Function Room/Conference shall be Fabric Coated Folding Partitions.

c. Floors:

- ~~If floor tiles in two adjacent rooms with different material, color or design meet at the door opening, the cut shall be located middle of the door thickness when in a closed position. Provide details in the floor pattern design.~~

- Floors at the openings of toilets for persons with disability shall be sloping. Indicate in the plans and sections.

- Layout and work on wall tiles must be aligned, plumb, level and square.
- All edges, corners, and intersections of toilet tiles shall be provided with aluminum tile trims.
- Tile color and design shall be approved first before installation.
- Present blow-up plan including detail section/elevations (to show all sides of the room) and spot details on a scale of not smaller than 1:50m. Indicate dimensions, elevations, clearances, center lines, slopes, fixture type, finishes and accessories.
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c. Floors:

- Floors at the openings of toilets for persons with disability shall be sloping. Indicate in the plans and sections.
- Lay out and work on floor tiles must be aligned, plumb, level, and square.
- Use Steel Decking for 2nd Floor slab with minimum thickness of 0.8mm.

d. Ceiling Works:

- The following rooms shall have ceiling height of:
 - d. ground floor rooms & offices – 3000 mm from finish floor line to ceiling line
 - e. Second floor rooms & offices – 2900mm from finish floor line to ceiling line

- Toilet floor tiles shall be non-skid 600mm x 600mm.
- The size of the floor tile of the lobby and corridor shall not be less than 600mm x 600mm. Indicate the tile pattern.
- Lay out and work on floor tiles must be aligned, plumb, level, and square.
- Tile color and design shall be approved first before installation.
- Use Steel Decking for 2nd Floor slab with minimum thickness of 0.8mm.

d. Ceiling Works:

- The following rooms shall have ceiling height of:
 - a. ground floor rooms & offices – 3200 mm from finish floor line to ceiling line
 - b. Second floor rooms & offices – 2900mm from finish floor line to ceiling line
 - c. All toilets– 2400mm from finish floor line to ceiling line
- Ceiling finishes shall be of type appropriate to the location where it is applied. Ceiling material shall be of premium grade and quality performance; easily replaced and maintained. Ceiling height for areas with special aesthetic treatment, e.g., lobby shall be proportional to the area or room or as required by the designer. However, this shall not be lower than 3200 mm. Provide details.
- For board ceiling (gypsum, fiber cement, particle etc. of size 1200mm x 2400mm) construct in maximum cut size of 600mm x 600mm (maximum) to avoid injury or damage in case of falls.

- f. All toilets– 2400mm from finish floor line to ceiling line
- Ceiling finishes shall be of type appropriate to the location where it is applied. Ceiling material shall be of premium grade and quality performance; easily replaced and maintained. Ceiling height for areas with special aesthetic treatment, e.g., lobby shall be proportional to the area or room or as required by the designer. However, this shall not be lower than 3000 mm. Provide details.
- For board ceiling (gypsum, fiber cement, particle etc. of size 1200mm x 2400mm) construct in maximum cut size of 600mm x 600mm (maximum) to avoid injury or damage in case of falls.
- Should connections be inevitable; provide intervals such as false beams, bands, strips to conceal ends.
- Ceiling at eaves or at other open/exposed areas shall be designed with wind load considerations.
- Provide manholes for maintenance work, where applicable.
- Soffit of exterior beams and slabs shall have drip moulds to prevent damage due to water sipping into the eaves or ceiling. Section details shall be required to show the drip mould.
- Indicate on plan ceiling finishes, lighting and other ceiling fixtures and accessories.
- Ceiling height relative and in reference to the finish floor line shall be indicated in the reflected ceiling plan in each room with

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- Indicate on plan ceiling finishes, lighting and other ceiling fixtures and accessories.
- Ceiling height relative and in reference to the finish floor line shall be indicated in the reflected ceiling plan in each room with boxed dimensions. This is to ensure that the ceiling heights of all rooms are established whether or not reflected in the sections.
- The description and location of the fixtures, e.g. lighting, smoke detectors, exhaust fans, in the reflected ceiling plans shall be consistent with the electrical plan.
- Provide details for ceiling features like dropped ceiling or cove ceiling, etc.

e. Architectural Metals:

- Railings must be 304 stainless steel.
- Other metals for decorative purposes.

f. Door and Windows:

boxed dimensions. This is to ensure that the ceiling heights of all rooms are established whether or not reflected in the sections.

- The description and location of the fixtures, e.g. lighting, smoke detectors, exhaust fans, in the reflected ceiling plans shall be consistent with the electrical plan.
- Provide details for ceiling features like dropped ceiling or cove ceiling, etc.

e. Architectural Metals:

- Railings must be 304 stainless steel.
- Other metals for decorative purposes.

f. Door and Windows:

- Major rooms that require security shall have sturdy doors e.g. kiln dried wooden panel door with sanding sealer finish with top coat clear
- Toilets and other wet areas shall have kiln dried wooden panel door with sanding sealer finish with top coat clear.
- Door finish and color shall be approved first before application.
- Windows shall be awning type with 6mm thk. Clear glass on anolok framing.
- Window sills shall be slightly sloped outwards to prevent damage to windows and paint due to water seepage. Section details shall be required to show this slope.
- All doors shall swing outwards and as required by the Fire Code of the Philippines.
- Door jambs must be kiln dried with no moulding/casing installed on

- Major rooms that require security shall have sturdy doors e.g. kiln dried wooden panel door with sanding sealer finish with top coat clear
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- Door finish and color shall be approved first before application.
- Windows shall be awning type with 6mm thk. Clear glass on anolok framing.
- Window sills shall be slightly sloped outwards to prevent damage to windows and paint due to water seepage. Section details shall be required to show this slope.
- All doors shall swing outwards and as required by the Fire Code of the Philippines.
- Door jambs must be kiln dried with no moulding/casing installed on concrete walls shall have construction grooves all around. Provide details.
- All doors and windows shall have reinforced concrete lintel beams. Provide details.
- Provide Door and Window schedules indicating the type of door or window, the number of sets, the locations/s of the door or window, the materials and accessories and other special specifications, e.g. color or finish, operation system and the detailed elevation and plan (where necessary).

g. Stairs and Corridors:

concrete walls shall have construction grooves all around. Provide details.

- All doors and windows shall have reinforced concrete lintel beams. Provide details.
- Provide Door and Window schedules indicating the type of door or window, the number of sets, the locations/s of the door or window, the materials and accessories and other special specifications, e.g. color or finish, operation system and the detailed elevation and plan (where necessary).

g. Stairs and Corridors:

- Regular stairs shall have risers at 178mm. high and treads at 300mm. wide. Handrails shall be 900mm. high.
- Stair near the function room must be made of steel, painted finished; stair near the Gender Neutral/PWD Toilet must be made of reinforced concrete.
- Present blow-up plan including detail/section/ elevation and spot details for all stairs, fire exits, and ramps on a scale of not smaller than 1:50 m. Indicate dimensions and finishes.

h. Fixtures and Accessories:

- Three-way electrical light switches shall be provided at the foot and the top of the stairs per floor. Likewise, at both ends of a long corridor.
- Electrical light switches shall be located by the knob side of the door.

- Regular stairs shall have risers at 178mm. high and treads at 300mm. wide. Handrails shall be 900mm. high. ~~Clearances shall conform to the requirements of the Fire Code of the Philippines.~~
- Stair near the function room must be made of steel, painted finished; stair near the Gender Neutral/PWD Toilet must be made of reinforced concrete.
- ~~Hallway shall be complied according to the plan.~~
- Present blow-up plan including detail/section/ elevation and spot details for all stairs, fire exits, and ramps on a scale of not smaller than 1:50 m. Indicate dimensions and finishes.

h. Fixtures and Accessories:

- Three-way electrical light switches shall be provided at the foot and the top of the stairs per floor. Likewise, at both ends of a long corridor.
- Electrical light switches shall be located by the knob side of the door.
- Electrical switches and outlets shall be installed plumb and level.
- Toilets for PWD shall always be provided with stainless steel handrails in conformity to the requirements of BP 344.
- Toilets shall be provided with exhaust system.
- A drainage line shall be provided for window-type air-conditioners. Likewise, split-type air-conditioners located in the interior part of the building shall be so located adjacent to areas with drainage lines, e.g. toilets, downspouts.

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i. Roofing Works:

- The section of the roof gutters shall be designed, in case of a clogged downspout, so that the overflow of water will be directed outside of the building and not towards the eaves or interior ceiling to prevent any damage. Provide details.
- Avoid valley or inside gutters in roof design. But in cases required in aesthetic design, valley or inside gutters shall be in and the section shall be designed with a capacity for big volume to prevent any damage due to overflow. Provide details.
- Rafter or Truss use A36 or A6 steel members**
- Parapets, designed as a roof protection from the winds, must be designed to satisfy the preceding parameters. Provide details.
- The slope of the roof shall not be less than **5 degrees.**
- Indicate roof finish/es, slope and slope direction.

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- Avoid valley or inside gutters in roof design. But in cases required in aesthetic design, valley or inside gutters shall be in and the section shall be designed with a capacity for big volume to prevent any damage due to overflow. Provide details.
- Parapets, designed as a roof protection from the winds, must be designed to satisfy the preceding parameters. Provide details.
- The slope of the roof shall not be less than **15 degrees.**
- Indicate roof finish/es, slope and slope direction.
- Indicate gutter finish.
- Indicate exterior building wall line (hidden line).
- Indicate location of down spouts.
- Provide details for gutters & down spouts.

j. Painting:

- Painted ceiling shall be in at least latex finish, while cornices and mouldings shall be in gloss enamel finish.
- Use elastomeric paint at least 2 coats for interior walls.
- Use elastomeric paint at least 2 coats for exterior walls with top coat clear finish.

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- Use elastomeric paint at least 2 coats for exterior walls with top coat clear finish.
- All painting works shall be full-putty.
- Paint color and shade shall be approved first before application.

k. Fire Protection:

- Provide four (4) extinguisher ABC Type 10 pounds (hallways, faculty, function room/conference room)



<ul style="list-style-type: none"> <input type="checkbox"/> All painting works shall be full-putty. <input type="checkbox"/> Paint color and shade shall be approved first before application. <p>k. Fire Protection:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Provide four (4) extinguisher ABC Type 10 pounds (hallways, faculty, function room/conference room) 	
<p>V. Summary of Materials</p> <ul style="list-style-type: none"> <input type="checkbox"/> Materials to be used shall be fire-resistant, non-toxic, moisture-resistant and termite-resistant, e.g. fiber cement board, light-gauge steel frame, polyvinyl chloride ceiling panels <input checked="" type="checkbox"/> Wet areas, e.g. toilets shall use non-skid/non slip vitrified ceramic floor tiles. <input type="checkbox"/> Heavy traffic areas, e.g. lobby, and corridor shall use heavy-duty seamless synthetic granite floor tiles. <input checked="" type="checkbox"/> Metal rod hangers with adjustable clips, and not galvanized iron wires, shall be used to support and suspend the aluminum T runners and light gauge metal furrings. <input type="checkbox"/> Roofing sheets shall be (0.4mm) pre-painted rib type, long-span and pre-formed. <input type="checkbox"/> Use aluminum radiant heat barrier on pre painted rib type roof. <input type="checkbox"/> Install G.I. wire gauge no. 16 spaced at 30cm diagonal for Aluminum radiant heat barrier insulation; as to location refer to details. 	<p>V. Summary of Materials</p> <ul style="list-style-type: none"> <input type="checkbox"/> Materials to be used shall be fire-resistant, non-toxic, moisture-resistant and termite-resistant, e.g. fiber cement board, light-gauge steel frame, polyvinyl chloride ceiling panels <input type="checkbox"/> Heavy traffic areas, e.g. lobby, and corridor shall use heavy-duty seamless synthetic granite floor tiles. <input type="checkbox"/> Roofing sheets shall be (0.4mm) pre-painted rib type, long-span and pre-formed. <input type="checkbox"/> Use aluminum radiant heat barrier on pre painted rib type roof. <input type="checkbox"/> Install G.I. wire gauge no. 16 spaced at 30cm diagonal for Aluminum radiant heat barrier insulation; as to location refer to details.
<p>DESIGN PARAMETERS (STRUCTURAL/CIVIL WORKS)</p> <p>I. Code and Standards</p> <p>The Civil/Structural Design shall be in accordance with the following Codes and Standards</p>	<p>DESIGN PARAMETERS (STRUCTURAL/CIVIL WORKS)</p> <p>I. Code and Standards</p> <p>The Civil/Structural Design shall be in accordance with the following Codes and Standards</p>

Codes

1. National Structural Code of the Philippines (NSCP) 2001
2. National Building Code of the Philippines and its revised IRR
3. Accessibility Law
4. Local Codes and

Ordinances Standards

1. Bureau of Product Standards (BPS)
2. Philippine National Standards (PNS)
3. DPWH Blue Book
4. American Concrete Institute (ACI)
5. American Society for Testing Materials (ASTM)
6. American Welding Society (AWS)

II. Building

1. This building should be designed using seismic importance factor of 1.25 for immediate occupancy category. Buildings should be designed in accordance with NSCP Requirements up to Magnitude 8 for those near seismic source Type A.
2. This building should be designed also using wind importance factor of 1.15 (especially for design of trusses/roofing system). Concrete gutters and parapet walls should be provided as additional protection to nearest active fault lines and with the DENR for geo-hazard mapping.
3. The structural designer should verify with Philippine Volcanology and nearest active fault lines and

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3. The structural designer should verify with Philippine Volcanology and nearest active

<p>with the DENR for geo-hazard mapping.</p> <p>4. Soil investigation (at least three bore holes) should be conducted to determine soil bearing capacity and recommended foundation design (applicable even for one storey structure).</p> <p>5. The structural designer is encouraged to use fire-resistive and non-toxic materials.</p> <p>III. Details – the following shall be provided:</p> <ol style="list-style-type: none">1. Connection details of beams and columns following the requirements of NSCP on confined areas.2. Connection of rafter to beams and columns. <p>IV. Summary of Materials:</p> <ol style="list-style-type: none">1. Concrete shall be Portland cement and conforming to ASTM Specification C 150. Type I to Type II2. Coarse Aggregates shall consist of washed crushed (3/4")3. Concrete hollow block 4" thk. (600 psi) on all external walls cement plastered finished. CHB 4" thk. (600 psi) on all interior walls cement plastered finished.4. Reinforcing Bars shall conform to PNS Grade 60 for 16mm dia. and above; PNS Grade 40 for 12mm dia. and below.5. Structural steel W and S sections for Columns, Beams and Rafters shall conform with ASTM A36/A6M	<p>fault lines and with the DENR for geo-hazard mapping.</p> <p>4. The structural designer is encouraged to use fire-resistive and non-toxic materials.</p> <p>III. Details – the following shall be provided:</p> <ol style="list-style-type: none">1. Connection details of beams and columns following the requirements of NSCP on confined areas.2. Connection of rafter to beams and columns. <p>IV. Summary of Materials:</p> <ol style="list-style-type: none">1. Concrete shall be Portland cement and conforming to ASTM Specification C 150. Type I to Type II2. Coarse Aggregates shall consist of washed crushed (3/4")3. Concrete hollow block 4" thk. (600 psi) on all external walls cement plastered finished. CHB 4" thk. (600 psi) on all interior walls cement plastered finished.4. Reinforcing Bars shall conform to PNS Grade 60 for 16mm dia. and above; PNS Grade 40 for 12mm dia. and below.5. Structural steel (W or S section) for column, beams and plates and bars shall conform to ASTM specification A36/A6M.6. Bolts and Studs shall conform with ASTM A 3257. Welding electrodes shall be E60 or E 70 and conform with AWS
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<p>6. Bolts and Studs shall conform with ASTM A 325</p> <p>7. Welding electrodes shall be E60 or E 70 and conform with AWS</p>	
<p>ELECTRICAL AND COMMUNICATION SYSTEM DESIGN PARAMETERS</p> <p>1.3. Summary of Materials</p> <p>3. Panelboards and Circuit Breakers: The Panelboards and Circuit Breakers shall be equipped with moulded-case circuit breakers and shall be the type as indicated in the panelboard schedule and details.</p> <ul style="list-style-type: none"><input type="checkbox"/> Electrical Panel boards shall be power-coated, ground-bonded and with lockable covers.<input type="checkbox"/> Panel boards shall be flush mounted with 2 pole Moulded-case main circuit breaker and 2 pole din-rail type miniature circuit breakers for branch circuits.<input type="checkbox"/> Panel boards shall have earth and neutral terminals/bus.<input type="checkbox"/> Provide moulded-case circuit breakers of frame, trip rating and interrupting capacity as shown on the drawings. The circuit breakers shall be quick make, quick break, thermal-magnetic, trip-indicating and shall have common trip on all multiple breakers with internal trip mechanism.<input type="checkbox"/> All current-carrying parts of the panelboards shall be plated. Provide solid neutral (S/N) assembly when required. The assembly shall be isolated from the enclosure.	<p>ELECTRICAL AND COMMUNICATION SYSTEM DESIGN PARAMETERS</p> <p>1.3. Summary of Materials</p> <p>3. Panelboards and Circuit Breakers: The Panelboards and Circuit Breakers shall be equipped with moulded-case circuit breakers and shall be the type as indicated in the panelboard schedule and details.</p> <ul style="list-style-type: none"><input type="checkbox"/> Electrical Panel boards shall be powder-coated, ground-bonded and with lockable covers.<input type="checkbox"/> Panel boards shall be flush mounted with 2 pole Moulded-case main circuit breaker and 2 pole din-rail type miniature circuit breakers for branch circuits.<input type="checkbox"/> Panel boards shall have earth and neutral terminals/bus.<input type="checkbox"/> Provide moulded-case circuit breakers of frame, trip rating and interrupting capacity as shown on the drawings. The circuit breakers shall be quick make, quick break, thermal-magnetic, trip-indicating and shall have common trip on all multiple breakers with internal trip mechanism.<input type="checkbox"/> All current-carrying parts of the panelboards shall be plated. Provide solid neutral (S/N) assembly when required. The




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The foregoing shall form as an integral part of the Bidding Documents. Any Provision in the Bidding Documents inconsistent herewith is hereby amended, modified & superseded accordingly.

For the information & guidance of all concerned.

Sincerely,


EDUARDO F. AQUINO, MS
Chairperson, Bids and Awards Committee