

A chapel inspired by Guadalupe

Keep the Basilica’s sense of gathering around the altar, its sheltering roof and its colored light. Design the building for our own community, site and budget.

Revision P02 | 7 October 2026. This report accompanies nine preliminary drawing sheets and an editable materials-and-cost workbook. It records the family’s choices and a proposed way to build on them. It is a design study, not a construction specification or supplier award.

Family decision	P02 response
Basilica as inspiration	Archive research can continue, but access to the original plans does not control progress on our chapel.
Fan-shaped seating	Seven curved rows hold 92 chairs. Four companion chairs and four wheelchair places bring congregation capacity to 100. Three clergy seats are additional.
Stained glass is essential	Propose 12 genuine stained-glass bays: eight abstract and four figurative. Both styles are required; the split and artwork remain proposals.
Termite-resistant construction	Use a non-timber material strategy, check hidden cores and backing, and include site-level termite prevention and inspection.
Better cost evidence	Record nine published price references and 12 supplier routes. Separate usable sales units, unresolved terms and missing installed quotes.

What the original research actually gives us

The [CID catalog record D/GU/81](#) identifies a photocopy item, barcode 132816. It does not establish the number of sheets, completeness, release permission or whether we can obtain it. UNAM’s [architectural thesis record](#) is another research lead, not an acquired construction set.

The local English interview with Friar Gabriel Chávez de la Mora, pp. 5–10, is more useful for design intent: participation around the sanctuary, clear views, practical circulation and attention to acoustics. The awkward leftover spaces and acoustic problems described there are lessons to solve in our chapel. [Original interview PDF](#).

Retained for study: 25 m enclosure and 27 m projected roof diameter. This is about 490.87 m² gross floor area and 572.56 m² roof projection. The size has not been proven necessary or affordable. The US\$300,000 target, excluding land, remains a target.

Materials: resist termites by design

The material strategy should cover the whole assembly. A metal door with a timber core still contains food for termites. Suppliers must identify cores, backing, framing and fasteners, not just the visible finish.

Element	Proposed basis	Evidence needed before specifying
Primary structure	Reinforced concrete with engineered steel roof framing.	Site and ground data; structural calculations; concrete strength and steel certificates; corrosion protection. No member or footing sizes are selected here.
Walls and partitions	Tested masonry or suitable cement-board systems on metal framing.	Block strength, wet-area suitability, board grade and thickness, fasteners, bracing and product-specific termite-resistance evidence.
Roof	Green factory-finished metal cladding over an engineered support system.	Curve/taper or faceted buildability; wind restraint; watertight joints; coating warranty; flashings and gutters; condensation control.
Ceiling and acoustics	Mineral/cement board and/or perforated metal with protected mineral-wool backing.	Complete acoustic, fire and moisture performance; cleanable finish; fiber containment; non-wood backing and access panels.
Floors and wet areas	Matte porcelain or other suitable mineral finish.	Slip suitability for actual dry/wet conditions; substrate, adhesive, grout, waterproofing, cleaning and replacement stock.
Doors, windows, cabinets	Aluminum or suitably protected steel frames and non-wood cores.	Core and backing declaration; corrosion suitability, hardware, water seals, drainage and maintainability.
Stained glass	Genuine art glass in non-wood supports, coordinated with protective safety/weather glazing.	Specialist design for glass support, breakage safety, wind, drainage, thermal movement, ventilation and conservation access.
Seating and fittings	Metal or suitable resin seating; mineral altar/ambo finishes on suitable supports.	Actual chair fit, comfort, ganging/anchoring and fire suitability; identify hidden wood; parish review of liturgical items.

Product rule: timber, plywood, MDF, particleboard, bamboo and wood-filled composite cores are not the baseline. Any exception needs documented product performance and a deliberate owner/designer decision. A brand name alone is not proof that every grade or application is suitable.

Site rule: coordinate barriers or professional treatment around foundations and penetrations, moisture control and inspection access. A non-wood structure does not stop termites reaching stored items. [Rentokil Philippines termite service](#) is one quotation route; treatment type and service terms remain open.

03 / DESIGN DEVELOPMENT

Published prices: useful, with limits

All amounts below are Philippine pesos. These are observed public listings, not delivered-and-installed quotes for Bigo. Do not combine mixed tax bases or uncertain sales units into a project estimate.

ID	Source / material	Listed PHP	Limit
P01	SHERA board / HDO	600 / sheet	6 mm, 4 × 8 ft; VAT excluded; indexed listing, pickup only.
P02	Mineral wool / LPM	1,750 / roll	50 mm, approximately 3 m ² ; opened price differs from search index. Confirm variant, density, coverage and tax.
P03	Porcelain / Dexterton	570 / sales unit	60 × 60 cm matt porcelain. Piece-versus-box basis, tax and bulk availability need confirmation.
P04	Boston Gray / Tile Center	199 / sales unit	60 × 60 cm matte. Composition and unit basis unresolved; not an approved porcelain substitute.
P05–06	Aiko resin chair / Uratex	2,089.75 regular 1,462.82 promo	Per chair. Page shows sold out / preorder. Suitability, quantity, tax, freight and lead time are unconfirmed.
P07	Green roofing / Alpha	350 / unknown unit	0.5 mm product listing. No price extension: sales length/width unit is unstated and this is not our complete roof.
P08	6-inch CHB / Rica	29 / block	Taxes included; sold out. Strength and local freight unverified. Benchmark only.
P09	Rebar / Cebu Steel	252 / 6 m bar	12 mm Grade 60; VAT excluded; table dated 10 April 2026. Per-kg and per-bar prices conflict. Nonlocal benchmark only.

What can be calculated now

Seating example: 99 chairs × PHP 2,089.75 = **PHP 206,885.25** at the regular listed price. The promotional arithmetic is PHP 144,819.18. Neither confirms stock, suitability or a final delivered cost.

Floor example: the 490.87 m² gross footprint plus an assumed 10% waste gives 1,500 pieces of 600 × 600 mm tile, rounded up. At PHP 570 *if confirmed per piece*, that is **PHP 855,000** for tile alone. This is an illustrative allowance, not a measured net floor takeoff.

The workbook also normalizes the board to approximately PHP 201.82/m² excluding VAT, and the mineral-wool reference to approximately PHP 583.33/m² with tax unresolved. These rates exclude framing, fixings, waste, delivery and labor.

04 / DESIGN DEVELOPMENT

Supplier shortlist and contact routes

Candidates identified from official supplier pages. No supplier has been contacted, appointed or asked to reserve stock. Service to the final site still needs confirmation.

ID	Supplier / package route	Contact	Request / limitation
S01	Tiffany Stained Glass, Quiapo	info@tiffanystainedglass.com.ph; +63 921 373 6893	Request genuine glass explicitly; supplier also offers simulated glass.
S02	Kraut Art Glass	Official website contact route	Authentic religious art glass described in indexed official site; direct page returned 403.
S03	Colorsteel, Lipa sales office / Cavite plant	sales@colorsteel.com.ph; 0932 555 0000	Ask for a complete roof option and buildability review; Bigo service unconfirmed.
S04	Alpha Pro Steel Makers	Official quotation/contact link on product page	Complete roof comparison; published PHP 350 listing is not usable as a roof estimate.
S05	Wilcon Tayabas, Quezon	tayabas@wilcon.com.ph; 09992213375 / 09190727382	Local route for finishes and fixtures; verify current branch details and delivery.
S06	Home Depot Online / HDO Official	marketing@homedepotonline.ph; +63 939 979 9424	Valenzuela pickup listing; obtain delivery and correct product-grade evidence.
S07	LPM Express	lpmconstructionsupply@gmail.com	Confirm roll variant, coverage, density, facing, tax and delivery.
S08	Dexterton	0917-8583858; official contact page	Confirm piece/box price and sample before delivered-area comparison.
S09	Uratex	Official business/contact route	99 chairs; fit, stock, suitability and optional kneelers to be priced.
S10	Southend	Official quote route	Engineer-defined rebar schedule, current Luzon quote and mill certificates.
S11	ERODMA, Alaminos, Laguna plant	erodmaconcrete@yahoo.com; +63 943-345-7374	Verified Alaminos plant; delivery to Bigo is unproven. Prefer a current nearer plant if practical.
S12	Rentokil Philippines	Official inspection/contact route	Site inspection and prevention quote, warranty and recurring service terms.

Wilcon contact numbers were cross-checked against its [official branch contact directory](#). Contacts can change. Old contractor or government accreditation lists are not treated as proof of current ready-mix availability.

Quote-ready scope for glass and roof

These are drafts for budgetary enquiries. They describe what suppliers should price without pretending the preliminary drawings are ready for fabrication. No enquiry has been sent.

Genuine stained glass — request two comparable proposals

Please price a new chapel in Brgy. Bigo, Pagbilao, Quezon, subject to site confirmation. The proposed package is **12 bays, each 1.20 m wide × 1.80 m high including frame**: eight abstract bays (17.28 m²) and four figurative bays (8.64 m²), totalling 25.92 m² framed opening area. Use P02 A101 and A401 to identify locations and design intent.

Abstract bays should create colored light inspired by the Basilica. Figurative bays should be readable sacred images, with Guadalupe, Juan Diego, the Holy Family and Christ offered as initial themes for parish and family review. They are not approved cartoons or production artwork. Quote genuine stained-glass work, with the chosen craft method explained; applied film or a printed imitation does not meet this brief.

Separate price lines	Information required
Design and sample	Artwork development, revisions, full-size production drawings, one representative sample and design ownership/use terms.
Glass and supports	Abstract and figurative rates separately; net artwork area versus framed area; non-wood framing, reinforcement, protective glazing and fixings.
Delivery and installation	VAT, packing, insured transport, access/scaffolding, installation, sealing, testing, breakage allowance and exclusions.
Performance and care	Coordination with local wind/safety design; weathering, drainage and ventilation; warranty, replacement process, cleaning access and lead time.

Complete roof — request buildability before a fixed price

Please review a 27 m projected roof diameter over a 25 m enclosure, with the preliminary asymmetric mantle-like form shown on P02 A103/A301. The concept eave is 4.2 m and apex 10.5 m above the study datum. These are shape targets, not structural requirements. Advise whether tapered, curved or faceted metal panels give the most reliable and affordable result while preserving the silhouette.

Separate engineering, primary steel, purlins, corrosion protection, cladding, insulation/condensation layers, flashings, gutters/downpipes, lightning interfaces, lifting and erection. State actual developed roof area, thickness basis, coatings, fastening, exclusions, VAT, freight, installation and warranty. Coordinate all supports and reactions with the project structural engineer. Do not substitute the horizontal roof projection for the actual sloping area.

Keep ventilation independent: fixed art-glass bays do not provide fresh air. Coordinate operable openings, high-level glazing, shading and any mechanical ventilation with the local design team.

06 / DESIGN DEVELOPMENT

From a design study to a buildable chapel

The next cost gain comes from defining the expensive assemblies and measuring the actual site. More decimal places on uncertain prices would not make the budget more reliable.

Next deliverable	Why it changes the design or price
Verified site plan and ground information	Confirm parcel, access, levels, drainage/flood conditions, utilities and soil. The earlier title material referenced Atimonan; it does not establish the Bigo parcel.
Local architect and engineering review	Test the 25 m footprint against the real programme, accessibility, exits, sightlines, liturgy, climate and structural loads. Confirm current local requirements.
Two roof studies and two glass proposals	Compare complete scope and installed price while protecting the roof silhouette and genuine stained-glass requirement.
Measured quantities and coordinated systems	Prepare actual wall, finish, concrete, reinforcement, roof, electrical, plumbing and ventilation schedules. Separate measured amounts from allowances.
Comparable written quotations	Normalize grade, quantity, labor, VAT, freight, installation, scope exclusions, lead time, validity and warranty. Avoid counting a shared item twice.
Complete budget review	Compare all-in packages plus a reviewed contingency with the US\$300,000 target, excluding land. If needed, study a smaller footprint before reducing the essential glass scope.
Detailed permit and construction documents	Develop coordinated architectural, structural and service drawings, specifications and schedules through the appointed Philippine professionals.

How to use the workbook

Cost review shows budget controls and conditional examples. **Quantities** holds the proposed window, seating and area inputs. **Market prices** retains the nine price records, exact URLs, tax and availability caveats, and supplier contacts. **Quote register** has 16 scope packages. A complete total appears only when every package has a numeric amount, quote reference and a Comparable scope check.

The workbook's 60 PHP/USD rate is an editable planning assumption, not a checked market exchange rate. Its US\$36,000 contingency is the previous allocation, not a completed risk assessment. No current whole-project cost or remaining budget is asserted.

What was checked in P02

The drawings contain nine A3 vector sheets and editable SVG copies. Geometric checks counted 96 congregation chairs and four wheelchair places, checked enclosure containment and checked symbols against each other, the central aisle and room reservations. The proposed glass schedule totals 12 bays and 25.92 m². These checks do not certify comfort, sightlines, accessibility, egress or structural adequacy.

The cost workbook was recalculated, checked for displayed formula errors and tested with empty, partial and complete dummy quote sets; the dummy data was then removed. PDF pages and workbook previews were visually reviewed. Native Excel printing and physical construction performance have not been tested.

Package status: independent preliminary design, sourcing evidence and enquiry drafts. No acquired complete Basilica blueprint set, written supplier quotations, approved engineering, permit drawings or construction release.