

OUR LADY OF GUADALUPE CHAPEL

SITIO PINAGPALA, BRGY. BIGO, PAGBILAO, QUEZON 4302, PHILIPPINES

PRELIMINARY ARCHITECTURAL STUDY

NOT FOR PERMIT, TENDER OR CONSTRUCTION

FAN SEATING, COLORED LIGHT, LASTING MATERIALS

A small-scale architectural adaptation of the NEW Basilica of Our Lady of Guadalupe for an orphanage campus. The circular form and asymmetrical green roof are retained; the internal layout is newly proposed for this project.

WORKING BRIEF

CONGREGATION
100 positions: 96 chairs + 4 wheelchair spaces

LOCATION
Sitio Pinagpala, Brgy. Bigo, Pagbilao, Quezon

OVERALL ENCLOSURE
25.00 m outside diameter, single level

BUDGET CEILING
US\$300,000; scope of allowance below

GEOMETRY / AREA

- Enclosed gross footprint: 490.9 m2 (pi x 12.5 m squared).
- Roof projection: 572.6 m2 at 27.00 m diameter. Sloping roof surface area is not calculated.
- 25 m is one-quarter of a 100 m reference diameter, but only one-sixteenth of its circular area.
- Lot boundaries, setbacks, north, levels and available site area remain unknown. No site fit is claimed.

SHEET INDEX

A000	Design basis / scope / budget
A101	Fan seating / ground floor plan
A102	Seating and accessible WC studies
A103	Roof geometry and drainage intent
A201	Front and rear elevations
A202	Side elevations
A301	Longitudinal section and handoff
A401	Stained glass program and schedule
A501	Materials and procurement criteria

US\$300,000 ALLOCATION TARGET

Building, systems and furniture	\$210,000
Site works and utility connections	\$30,000
Design, investigations and permits	\$24,000
Contingency reserve	\$36,000

TOTAL TARGET **\$300,000**

These are allocations of the stated cap, not local quotations or a cost estimate. The building allowance is about \$428/m2 of gross floor area. Feasibility is unverified, especially for the custom roof.

Land purchase excluded. Taxes, freight and contractor overhead must fit within quoted packages. Obtain a local quantity surveyor estimate before fixing size, structure or finish.

DESIGN STATUS / LIMITS

- P02 schematic architectural package only. It is not an as-built survey, exact Basilica replica or licensed construction document.
- All dimensions are proposed design geometry, not measured site data. Wall thicknesses are graphic allowances, not structural specifications.
- No member sizing, foundations, wind/seismic calculations, electrical/plumbing design or completed fire/accessibility compliance review is included.
- Use a Philippine architect and engineers to develop permit and construction documents. Coordinate liturgical layout with the parish/diocese.

REFERENCE REGISTER

R1	Basilica architectural form / primary reference
R2	Official archive plan record D/GU/81; copies not obtained
R3	NCDA: 2024 revised BP 344 accessibility rules
R4	BFP: Fire Code RIRR, 2019; verify current application
R5	Archdiocesan publication: 100 m reference diameter

Reference entries are clickable in the PDF.

DESIGN BASIS, SCOPE AND BUDGET

AI-assisted concept | Independent adaptation, not original Basilica drawings

Dimensions in meters unless noted. Written dimensions govern. Verify all on site.

REV P02 | 07 OCT 2026

A3 LANDSCAPE | NTS

PRINT AT 100% / ACTUAL SIZE

A000

OUR LADY OF GUADALUPE CHAPEL

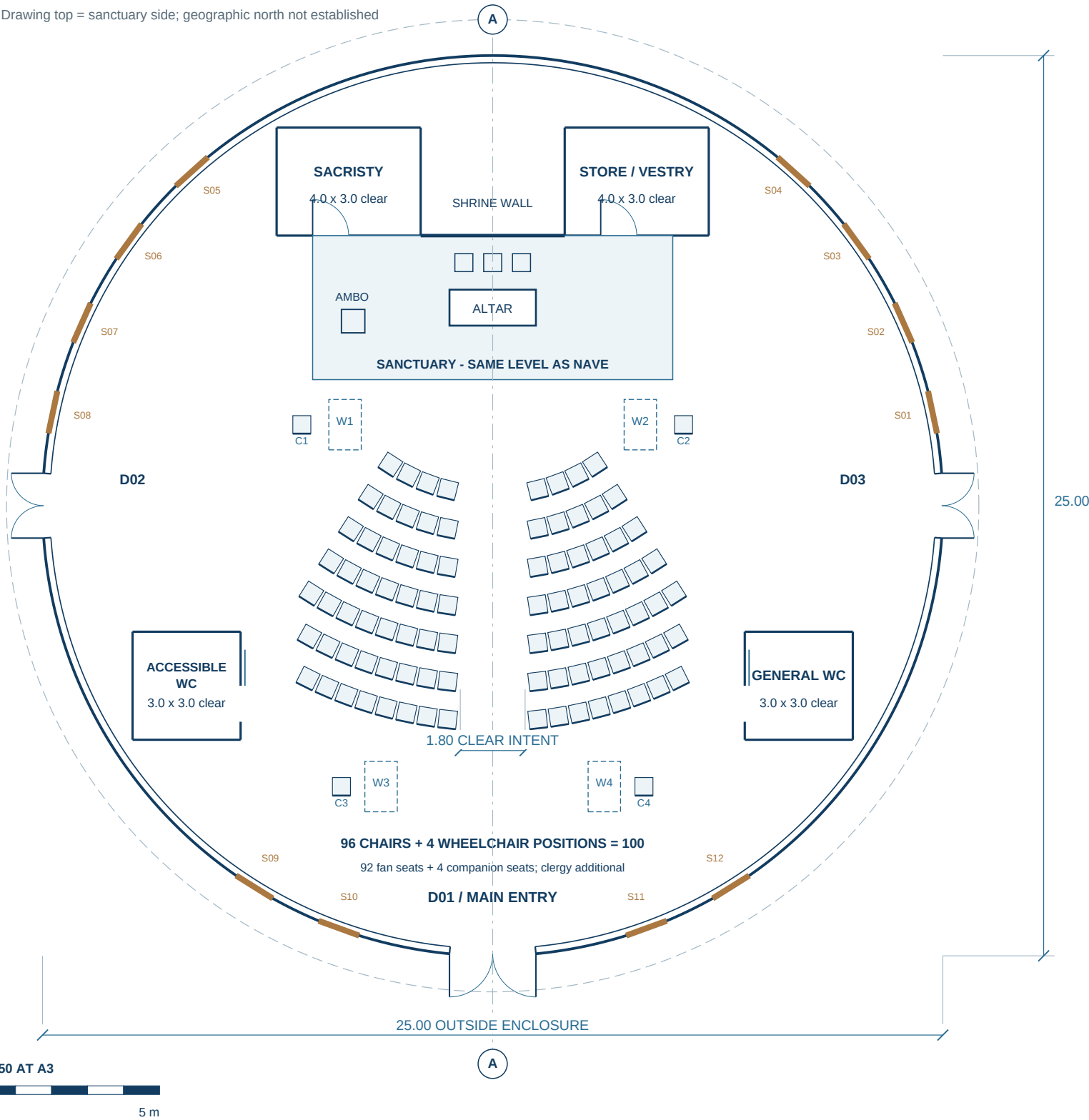
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01 GROUND FLOOR PLAN

Drawing top = sanctuary side; geographic north not established



PLAN / CAPACITY

- 92 chairs in seven fan rows (8, 10, 12, 14, 16, 16, 16) + four companion chairs + four wheelchair positions = 100 congregation places. Three clergy seats are additional.
- Main center aisle 1.80 m. Side clear routes are kept beyond wheelchair spaces. No standing overflow assumed.
- Sanctuary 10.0 x 4.0 m; same finished floor level as nave. Altar 2.4 x 1.0 m.

SUPPORT SPACES

- Sacristy and store/vestry: 4.0 x 3.0 m clear each. Accessible and general WC: 3.0 x 3.0 m clear each.
- WC positions reserve space only. Final plumbing, ventilation, fixture count and screening require design.
- S01-S12: proposed stained-glass bays; see A401. Outer / inner wall radii 12.50 / 12.30 m are graphic allowances.

PROPOSED OPENINGS

- D01 main entry: 2.40 m clear total, two outward-swinging leaves.
- D02 / D03 side exits: 1.80 m clear total each, outward-swinging leaves.
- Room entries: 1.00 m clear proposed. Accessible WC sliding door requires hardware and clear-space review.
- Architect/BFP to determine occupant load, required exit widths, separation, travel distances and discharge paths.

DATUM / SITE

- FFL +/-0.00 is an arbitrary design datum. External accessible approaches must meet surveyed grades and flood strategy.
- Dashed circle = roof edge above, 1.0 m beyond enclosure. Section A-A shown on A301.

GROUND FLOOR PLAN

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A3 LANDSCAPE | 1:150

PRINT AT 100% / ACTUAL SIZE

A101

02 / 09

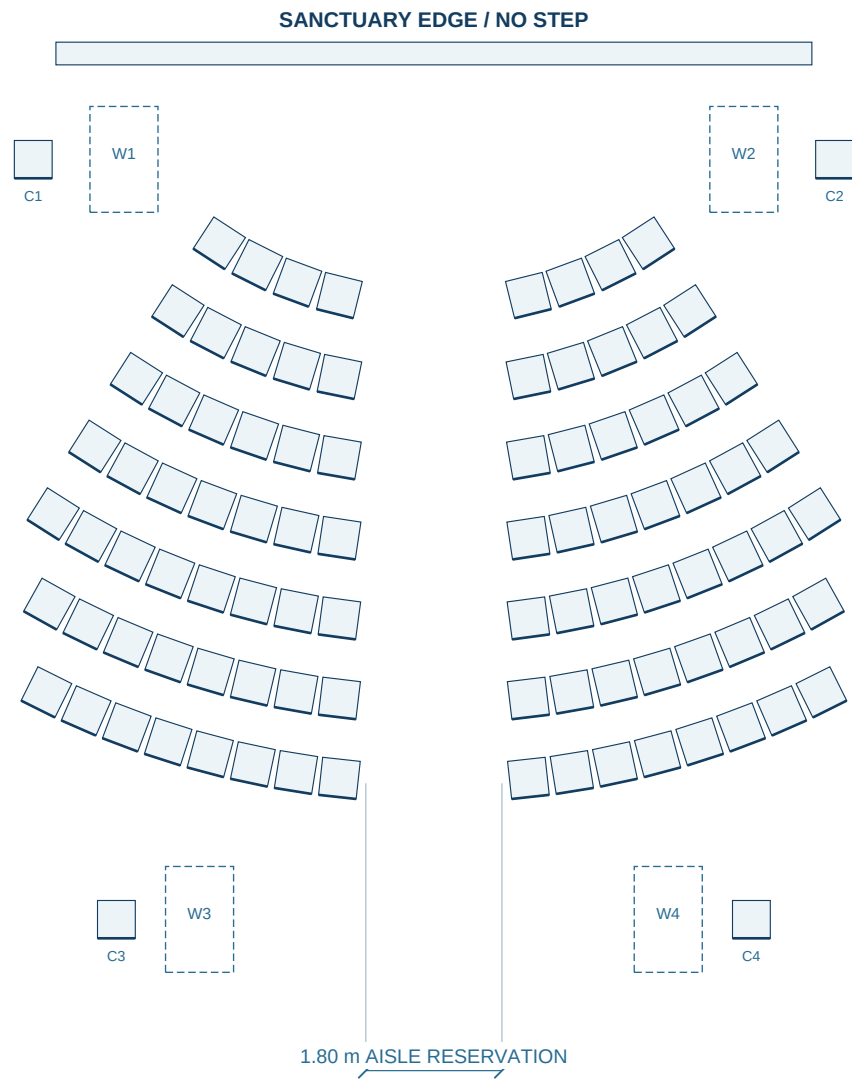
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01 FAN SEATING LAYOUT / 1:100

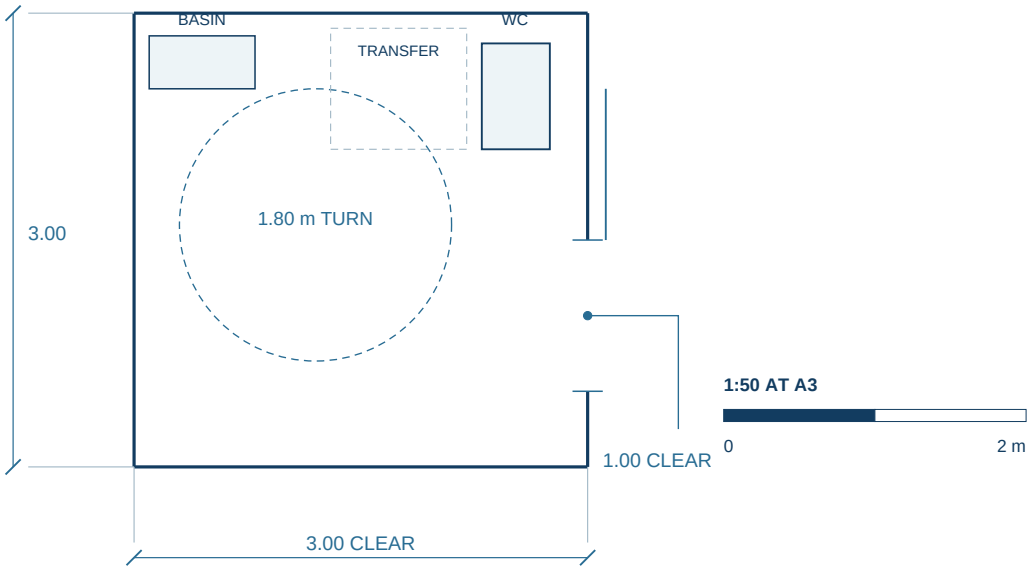


Rows 1-7: 8 / 10 / 12 / 14 / 16 / 16 / 16 chairs = 92. C1-C4: companion chairs = 4. W1-W4: wheelchair positions = 4. Total congregation = 100.



Chair symbols 0.50 x 0.50 m; radial row pitch 1.05 m; tangential seat pitch 0.58 m. These are design reservations, not certified clearances. Test actual chairs, aisle routes and seated sightlines before procurement.

02 ACCESSIBLE WC RESERVATION / 1:50



ACCESSIBILITY DESIGN INTENT

- Wheelchair spaces: 0.90 x 1.40 m each at front and rear of the congregation. Keep adjacent side circulation unobstructed.
- WC diagram is a space reservation, not a fully resolved compliant detail. Architect to coordinate transfer side, grab bars, basin knee clearance, accessories and door approach.
- Provide a continuous step-free route from campus drop-off through the main entrance to seating, WC and sanctuary.
- No ramp is fixed without site levels. If needed, begin with 1:20 gradient, 1.20 m clear width and 1.80 m end landings, then develop all requirements under reference R3.
- No compliance certification is made. Seating capacity is a design brief; fire occupant load must be independently calculated.

SEATING AND ACCESSIBLE WC STUDIES

AI-assisted concept | Independent adaptation, not original Basilica drawings

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A3 LANDSCAPE | AS SHOWN

PRINT AT 100% / ACTUAL SIZE

A102

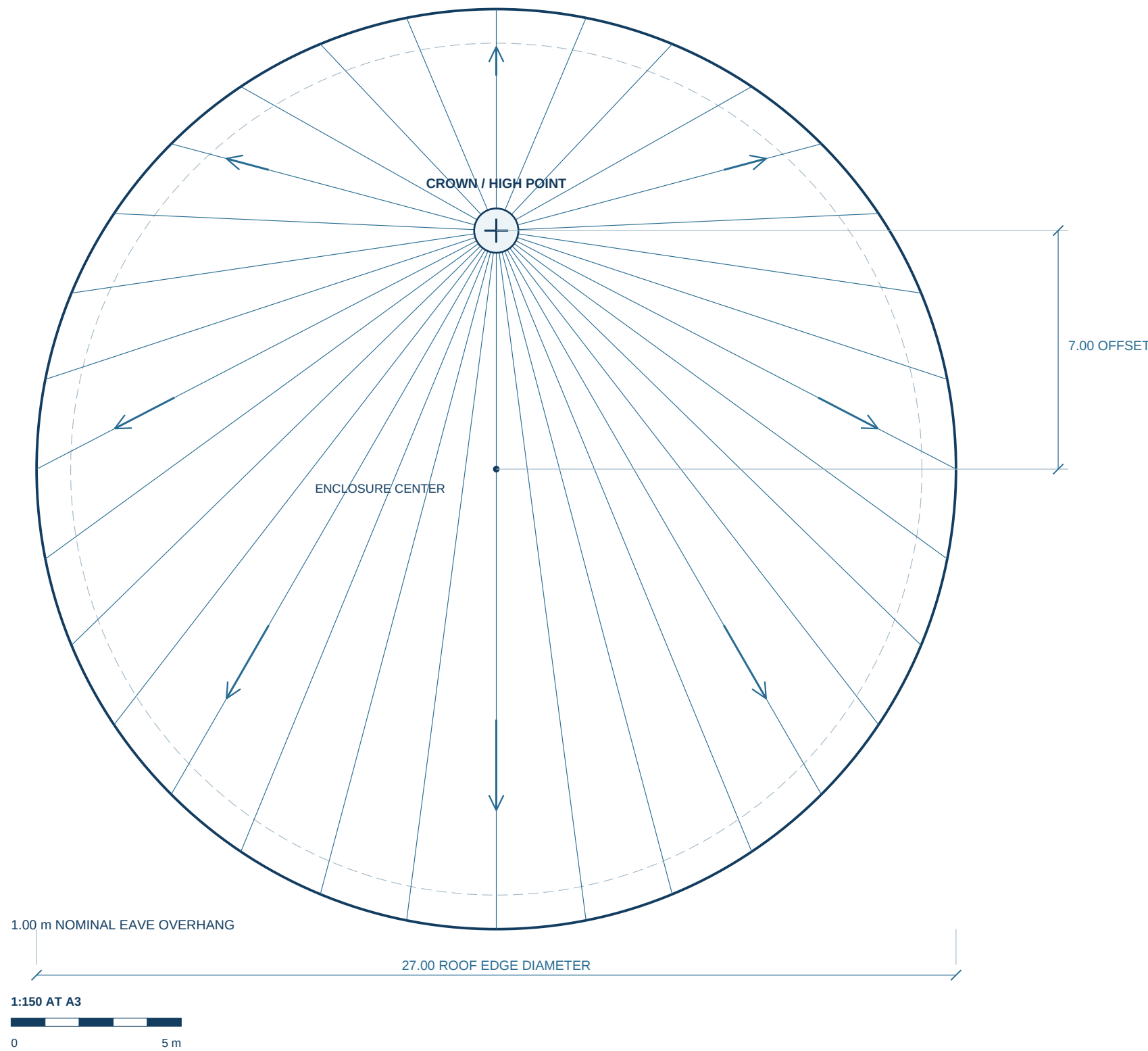
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01 ROOF PLAN



ROOF FORM

- Asymmetrical tent-like roof, adapted from the New Basilica silhouette. High point is 7.00 m toward the sanctuary from the circular enclosure center.
- Eave datum +4.20 m. Main roof apex +10.50 m. Crown +12.20 m. Cross tip +14.00 m.
- 32 drawn radial seams express the surface geometry only. They are not a structural framing layout.

DRAINAGE / WEATHER

- Arrows show intent to drain outward to perimeter collection. Gutter sections, outlets, overflows and downpipes are not sized or located.
- Drain to a designed stormwater system away from foundations and accessible routes. Site outfall is unknown.
- Engineer roof uplift connections, bracing, corrosion protection and lightning protection for the actual site.

MATERIAL / BUDGET

- Study a green coated metal roof to evoke the original copper appearance. Copper is an alternative only after local pricing.
- Insulation, waterproofing, acoustic lining and ventilated crown details must be developed.
- Select structural system with local engineers. No Basilica mast or foundation system has been copied.

GEOMETRY BASIS

- All elevations and the section use the same proposed eave, apex, offset and roof radius.
- Views are idealized architectural surface studies. The final buildable profile will depend on the chosen structure.

ROOF PLAN AND GEOMETRIC INTENT

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A3 LANDSCAPE | 1:150

PRINT AT 100% / ACTUAL SIZE

A103

04 / 09

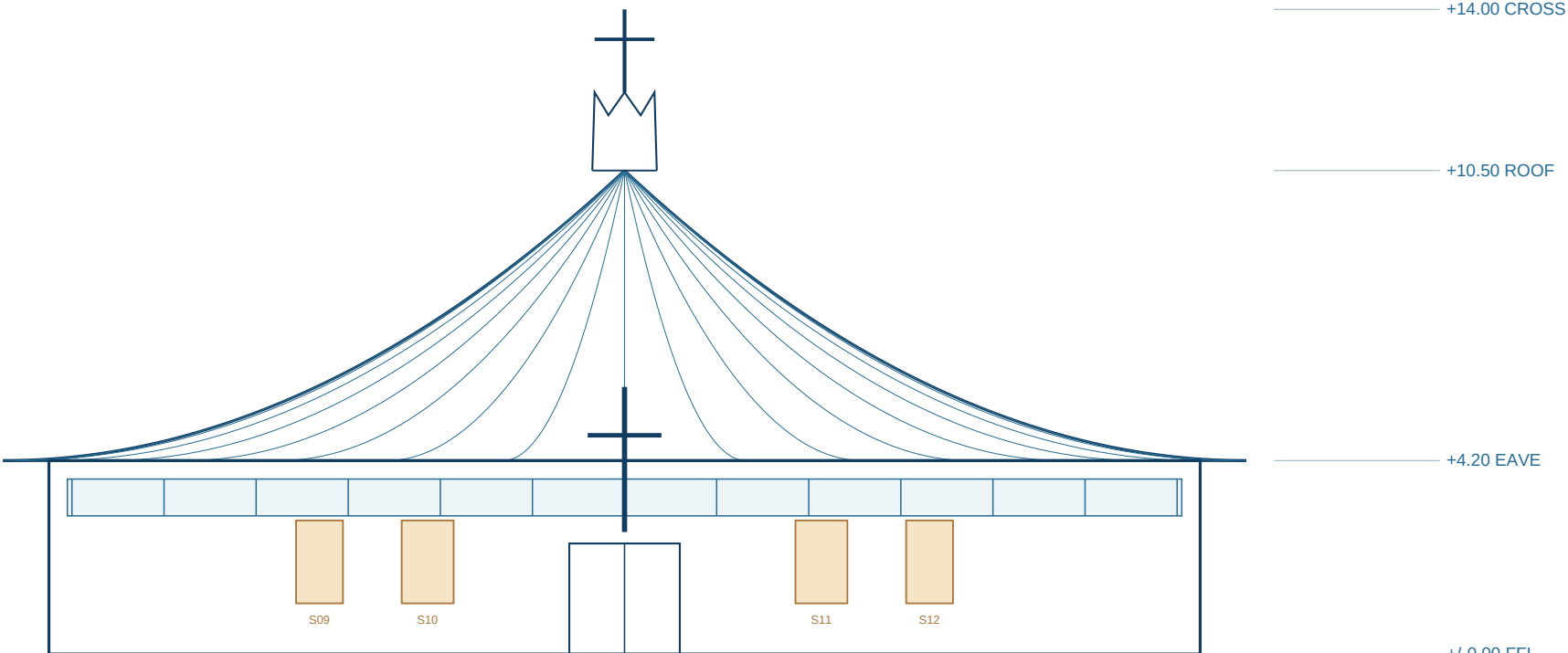
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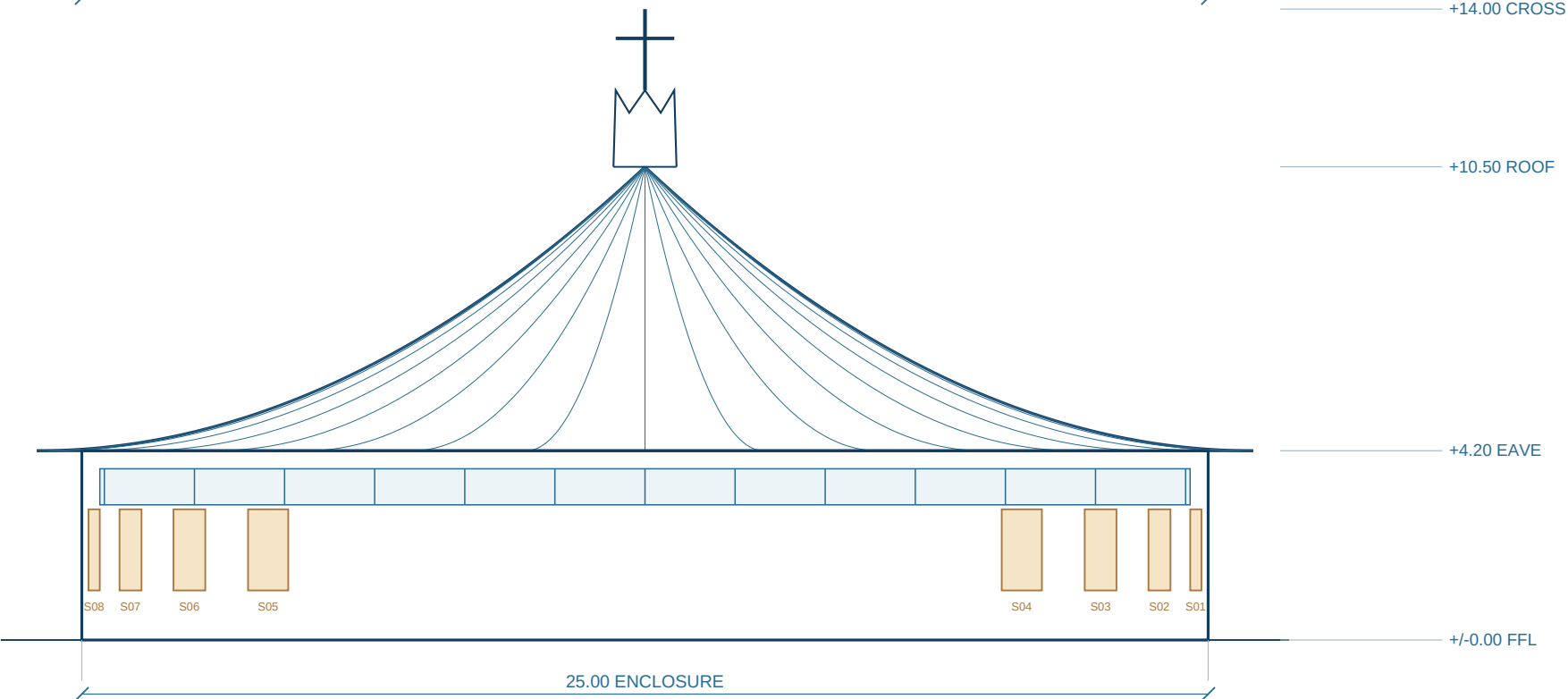
PRELIMINARY ARCHITECTURAL STUDY

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01 FRONT ELEVATION



02 REAR ELEVATION



ELEVATION BASIS

- Front = main entrance side; rear = sanctuary side. East and west are drawing labels only, not verified compass directions.
- Elevation geometry is coordinated with A101, A103 and A301. Finished floor is a design datum, not a surveyed elevation.
- Crown and cross are architectural placeholders; structural support and lightning protection are unresolved.

OPENINGS / FINISHES

- Front entry: 2.40 m total clear. Side exits: 1.80 m total clear. Door head at +2.40 m proposed.
- Clerestory +3.00 to +3.80 m remains separate from stained glass. S01-S12 sill +1.10 m / head +2.90 m; see A401.
- Cream mineral finishes, green coated-metal roof, genuine stained glass and timber-free warm finishes; see A501.

DESIGN DEVELOPMENT

- Roof seams are projected surface lines, not beam positions. No member sizes or roof build-up thicknesses are specified.
- Provide protected natural ventilation, glare control and insect screening as part of detailed design.
- No claim of exact replication or budget feasibility is made.

FRONT AND REAR ELEVATIONS

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A3 LANDSCAPE | 1:150

PRINT AT 100% / ACTUAL SIZE

A201

05 / 09

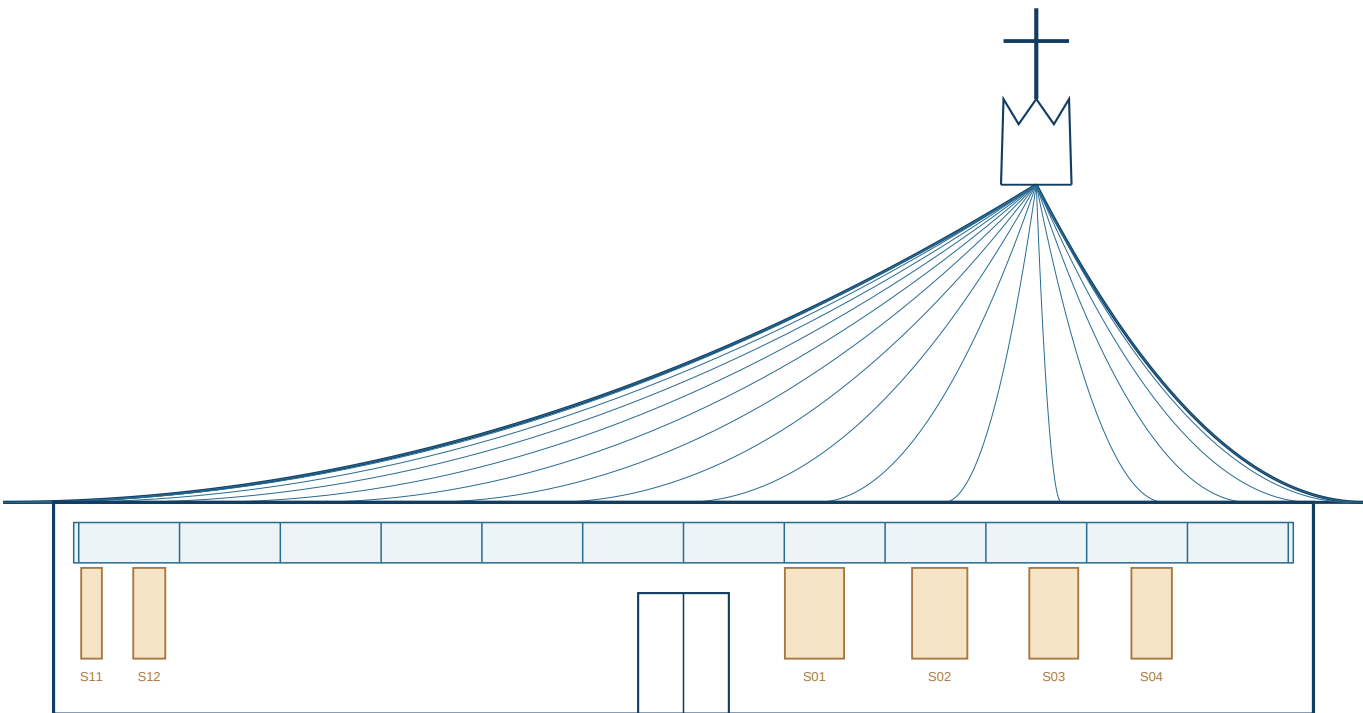
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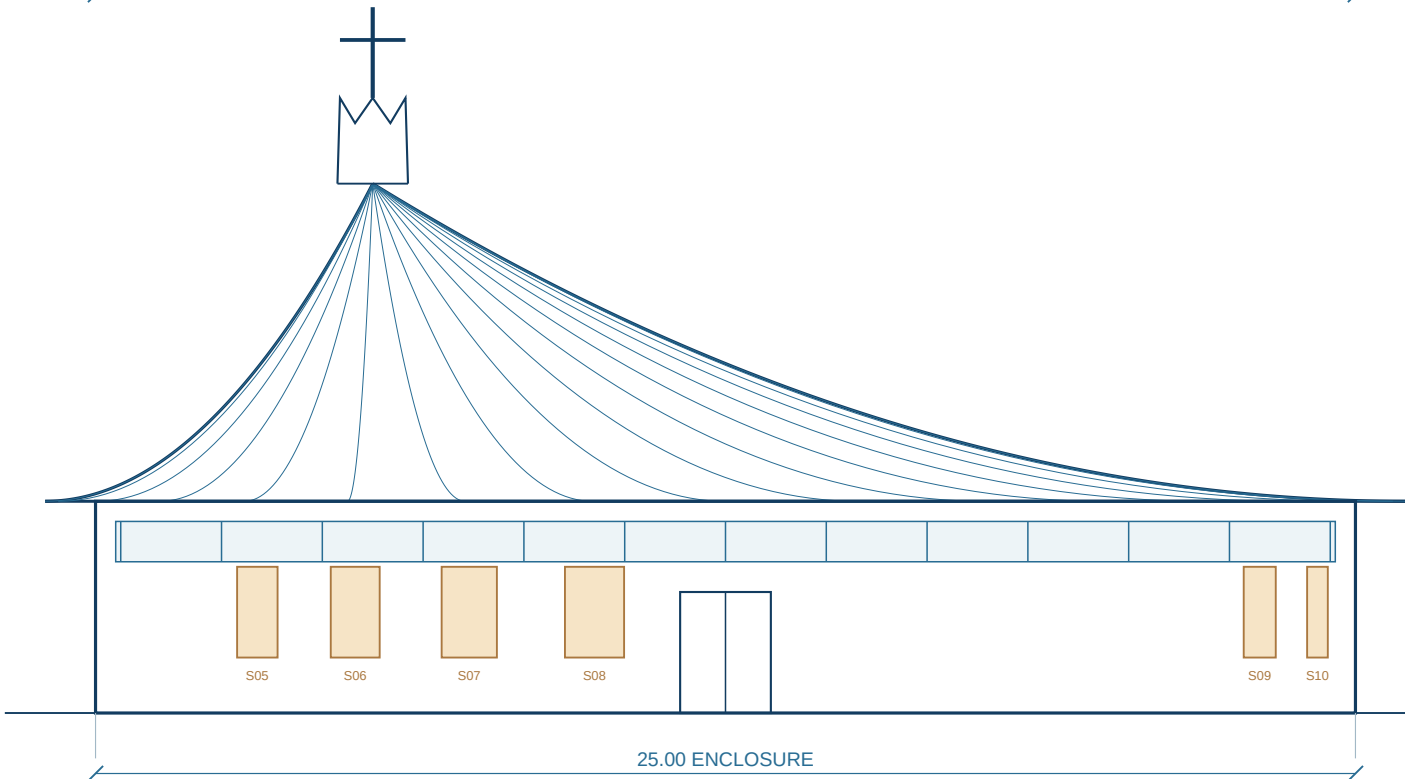
PRELIMINARY ARCHITECTURAL STUDY

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01 EAST ELEVATION



02 WEST ELEVATION



ELEVATION BASIS

- Front = main entrance side; rear = sanctuary side. East and west are drawing labels only, not verified compass directions.
- Elevation geometry is coordinated with A101, A103 and A301. Finished floor is a design datum, not a surveyed elevation.
- Crown and cross are architectural placeholders; structural support and lightning protection are unresolved.

OPENINGS / FINISHES

- Front entry: 2.40 m total clear. Side exits: 1.80 m total clear. Door head at +2.40 m proposed.
- Clerestory +3.00 to +3.80 m remains separate from stained glass. S01-S12 sill +1.10 m / head +2.90 m; see A401.
- Cream mineral finishes, green coated-metal roof, genuine stained glass and timber-free warm finishes; see A501.

DESIGN DEVELOPMENT

- Roof seams are projected surface lines, not beam positions. No member sizes or roof build-up thicknesses are specified.
- Provide protected natural ventilation, glare control and insect screening as part of detailed design.
- No claim of exact replication or budget feasibility is made.

SIDE ELEVATIONS

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A3 LANDSCAPE | 1:150

PRINT AT 100% / ACTUAL SIZE

A202

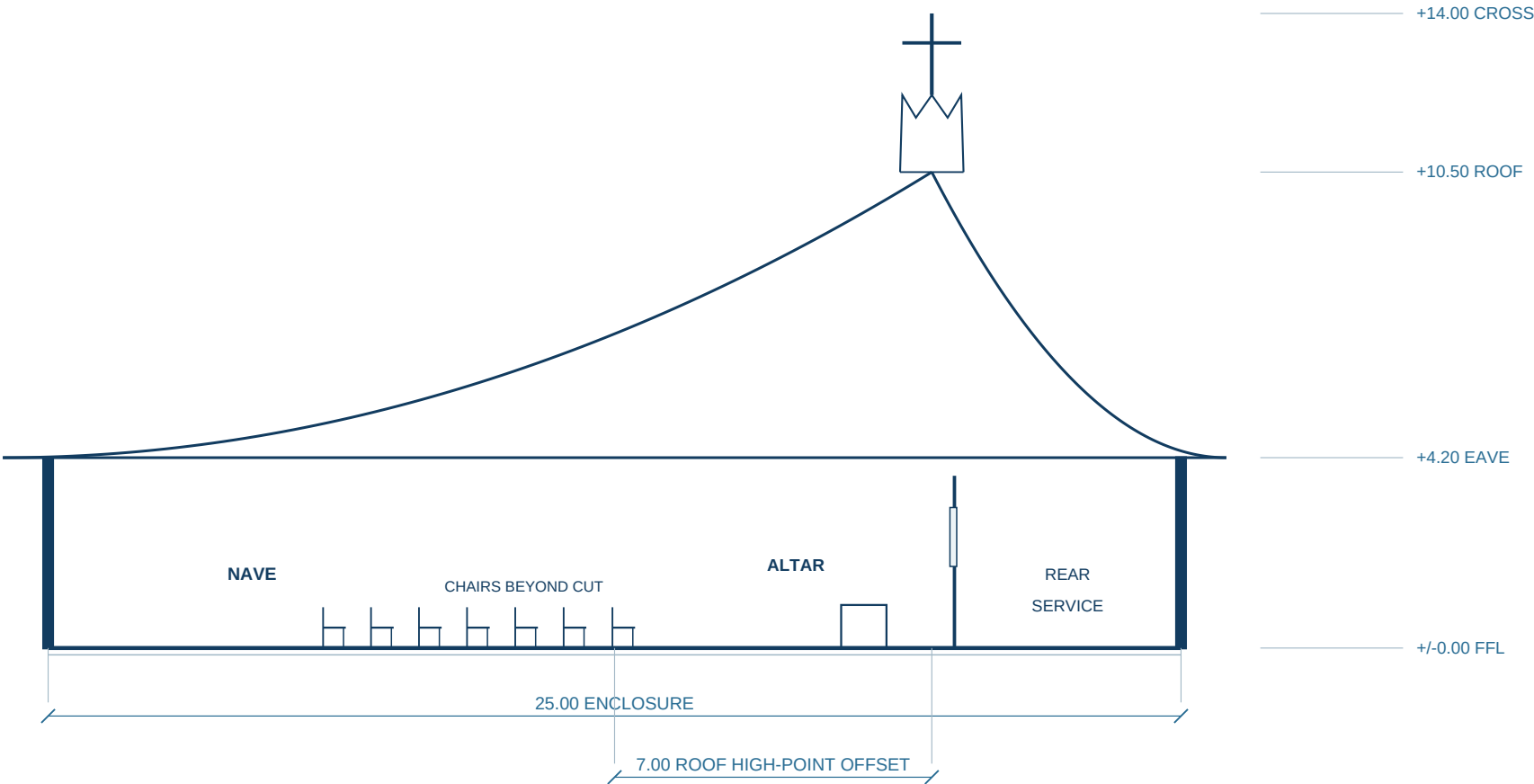
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01 SECTION A-A / MAIN ENTRY TO SANCTUARY



Section shows architectural envelope only. No foundations, columns, trusses, reinforcement, roof depth or connections are designed. The thin floor line is a datum, not a slab specification.

1:150 AT A3



Sanctuary kept level for step-free access. Final liturgical furniture and shrine support to be coordinated with the parish/diocese.

Site interface unresolved: establish surveyed ground, flood design level, accessible entry routes, soil bearing conditions and stormwater discharge before designing the substructure.

NEXT PROFESSIONAL WORK

- 1. Survey exact lot, boundaries, north, easements, road access and utility connections. Confirm campus fire access and separation.
- 2. Obtain geotechnical advice and site-specific flood, wind and seismic design parameters.
- 3. Architect to resolve actual occupant load, exits, wheelchair/companion positions, WC fixtures and full BP 344 accessibility.
- 4. Structural engineer to select a buildable economical roof system and design supports, foundations and uplift restraint.
- 5. Coordinate electrical, lighting, ventilation, plumbing, stormwater, fire protection and lightning systems.
- 6. Quantity surveyor / local contractors to price a coordinated design against the \$300,000 cap.

REQUIRED BEFORE BUILDING

- Site-specific signed and sealed documents, required approvals, detailed specifications and a contractor-priced scope.
- This package is for discussion and design development only. Do not order structural materials from these sheets.

LONGITUDINAL SECTION A-A / ARCHITECT HANDOFF

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A3 LANDSCAPE | 1:150

PRINT AT 100% / ACTUAL SIZE

A301

07 / 09

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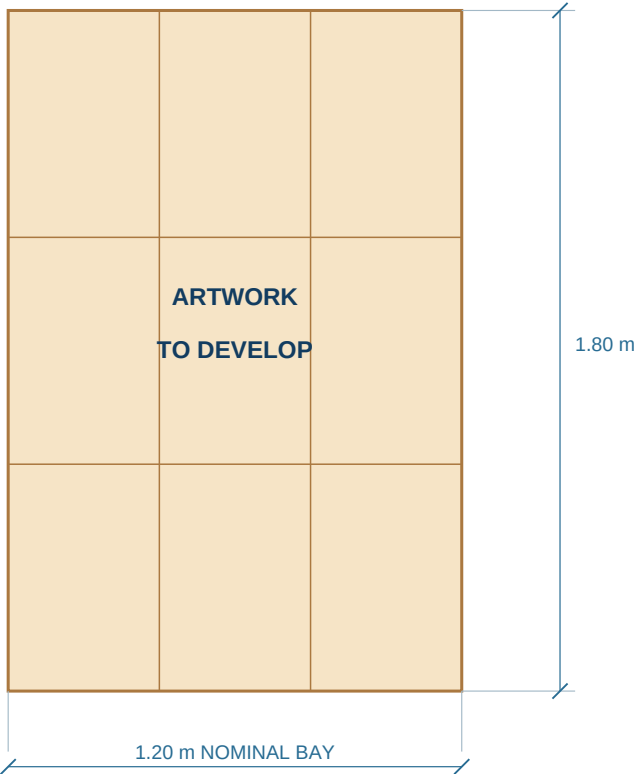
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GENUINE STAINED GLASS IS REQUIRED

Sponsor decision, 07 October 2026: combine abstract colored light with recognizable sacred imagery. The Basilica supplies inspiration only. The chapel uses original artwork and its own window system.

01 REPEATING BAY / 1:20



8 ABSTRACT BAYS

S02, S03, S06, S07, S09-S12. Proposed amber, blue, green and rose accents with sufficient clear/light glass for daylight.

4 FIGURATIVE BAYS

S01, S04, S05, S08. Proposed themes: Guadalupe, Juan Diego, Holy Family and Christ. Family and parish to select the final subjects.

WINDOW ASSEMBLY

- Provide real colored glass and durable fired decoration where used. Printed film, acrylic and cold-painted simulated glass are not equivalent to this brief.
- Artist to recommend leaded, copper-foil or other proven glass construction with support bars sized for each panel. Technique remains open for comparative pricing.
- Use metal frames and compatible corrosion-resistant hardware. No timber glazing beads or concealed plywood grounds.
- Specialist to design protective safety glazing, weather seals, drainage, ventilation of any protective cavity and access for cleaning. Art glass alone is not the weather or impact specification.

DAYLIGHT AND VENTILATION

- Keep protected operable ventilation and the high daylight band separate from fixed art-glass panels. Confirm glare, colored light and rain protection using a full-size sample bay.
- Panel positions on A101/A201/A202 are preliminary. Check structure, room use, actual sun direction and privacy after the site survey.

QUOTE AS SEPARATE COSTS

- Design and sample; abstract glass; figurative glass; support bars and frames; protective glazing; packing and delivery to Bigo; installation/access equipment; taxes; warranty and replacement panels.
- No supplier price or stock commitment has been obtained. Do not reduce the glass scope without sponsor review.

Quote basis: 12 nominal bays x 1.20 x 1.80 m = 25.92 m2 of framed opening area. Abstract 17.28 m2; figurative 8.64 m2. Net glass area is less after frames and support bars.

STAINED GLASS PROGRAM AND SCHEDULE

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A3 LANDSCAPE | AS SHOWN

PRINT AT 100% / ACTUAL SIZE

A401

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TERMITE-RESISTANT MATERIAL STRATEGY

Use non-timber construction and finishes as the baseline. Retain warmth through color, texture and light. Final products must also suit moisture, fire performance, corrosion exposure and maintenance.

FRAME, WALLS AND ROOF

- Engineer-designed concrete foundations/frame and an economical steel roof system. Concrete strengths, reinforcement, truss sizes and anchorage are not specified by this study.
- Use tested masonry or another engineered wall system. Reject unverified block strength. Remove temporary timber formwork and buried offcuts.
- Study green coated-metal roofing with compatible fasteners, insulation, waterproofing and accessible gutters. Price the curved or faceted roof as a complete engineered package.

CEILINGS, DOORS AND FURNITURE

- Mineral or fiber-cement ceiling boards on metal framing where suitable. Require product-specific termite, moisture and fire documentation; board alone is not an acoustic treatment.
- Use perforated metal acoustic panels and protected mineral-wool absorption where the acoustic designer specifies. No plywood/MDF acoustic backing.
- Use metal or verified non-wood doors/frames, metal cabinets and non-wood chair cores. Wood-look finishes are acceptable after sample review; do not substitute wood-filled products without test evidence.

FLOORS, ALTAR AND WINDOWS

- Porcelain or other mineral flooring with verified slip performance for the actual use. Coordinate wet areas, movement joints, adhesive and grout as one assembly.
- Stone/mineral altar and ambo finishes on non-timber support, subject to parish review. Verify furniture weight and fixing loads.
- Metal-framed genuine stained glass per A401. Protect glass, frames and vulnerable edges without trapping moisture.

TERMITE MANAGEMENT

- Material selection does not make the entire building termite-proof. Keep inspectable junctions, seal service penetrations using a designed barrier strategy, control leaks and arrange periodic pest inspections.
- Require the contractor to declare all hidden timber, MDF, particleboard, bamboo and wood-plastic composite content. Treatment alone is not the default substitute for the required resistant material.

PROCUREMENT BASIS

- The companion cost workbook records public prices and unresolved quotes. Published retail prices are material benchmarks, not delivered or installed project prices.
- Request product data, quantities, unit basis, tax treatment, freight/unloading, labor, testing, waste, lead times, warranties and exclusions in every quote.
- Stained glass, fan seating and termite resistance are required. The 25 m diameter remains a study to validate against site and cost.

MATERIALS AND PROCUREMENT CRITERIA

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A3 LANDSCAPE | NTS

PRINT AT 100% / ACTUAL SIZE

A501