



12/8/2025

# 6 GLA Primary Learning Building

**370 Sydenham Rd, Sydenham VIC 3037**

NCC Section J Energy Efficiency – J1V3 Assessment Report | Part J4 – J9 Compliance

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[TABLE A] – Document Control

Project:	6 GLA Primary Learning Building		SUHO ref: SH364920	
Project Address	370 Sydenham Rd, Sydenham VIC 3037			
Building Class	9b (primary)			
NCC Version	Code of Australia 2022, Volume 1 (Amendment 2)			
Council	Brimbank			
Report commissioned by	Roam Architects			
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# TABLE OF CONTENTS

<b>1.</b>	<b>ACTION SUMMARY .....</b>	<b>4</b>
<b>2.</b>	<b>COMPLIANCE REPORT .....</b>	<b>6</b>
2.1	INTRODUCTION .....	6
2.2	COMPLIANCE SUMMARY .....	6
<b>3.</b>	<b>FINAL BUILDING SPECIFICATION .....</b>	<b>9</b>
3.1	STRUCTURE .....	9
3.2	J4 FABRIC .....	10
3.3	J5 BUILDING SEALING.....	15
3.4	J6 AIR CONDITIONING AND VENTILATION SYSTEMS .....	16
3.5	J7 ARTIFICIAL LIGHTING AND POWER .....	17
3.6	J8 HEATED WATER SUPPLY .....	18
3.7	J9 ENERGY MONITORING and ON-SITE DISTRIBUTED ENERGY RESOURCES.....	18
<b>4.</b>	<b>APPENDIX JP1- ENERGY USE .....</b>	<b>19</b>
4.1	PERFORMANCE REQUIREMENT J1P1 .....	19
4.2	J1P4 – RENEWABLE ENERGY AND ELECTRIC VEHICLE CHARGING .....	20
4.3	SIMULATION OUTPUTS.....	23
<b>5.</b>	<b>APPEXDIX B – THERMAL COMFORT ASSESSMENT.....</b>	<b>24</b>
5.1	BACKGROUND.....	24
5.2	METHOD.....	25
5.3	RESULTS.....	26
<b>6.</b>	<b>APPENDIX C – CODE COMPLIANCE CALCULATIONS .....</b>	<b>28</b>





# 1. ACTION SUMMARY

All actions/items mentioned in '1. Action Summary' must be met to comply with the Performance Requirements of Section J (JP1 - Energy Use).

## Specification Upgrades

The following performance upgrades must be made to the supplied building specification in order to achieve compliance:

1. J5 All envelope doors and openable windows or the like must be sealed.
2. J5 All entrance to the building to a conditioned space of greater than 50m<sup>2</sup>, must have an airlock, self-closing door, rapid roller door, revolving door or the like.
3. J5 Exhaust fans in conditioned spaces or habitable rooms (in climate zones 4 - 8) must be fitted with a sealing device such as a self closing damper or the like.
4. J5 Ceilings, walls and floors to be enclosed by internal (close fitting) lining systems or constructed at junctions and penetrations to minimise air leakage in accordance with requirements of J5D7 (2)(a).
5. J5 Openings in ceilings, walls and floors are to be constructed to minimise air leakage at junctions and penetrations in accordance with J5D7 (2)(b)
6. J7D3 Control devices specified must comply with the requirement of Specification 40.
7. J7 Exterior artificial lighting must be controlled by either a daylight sensor or compliant time switch as per requirements of J7D6(1)(a).
8. J7D6 Facade or signage lighting attached to or directed at the facade for decorative purposes, must have a separate time switch in accordance with Specification 40.
9. J8 The heated water supply system must be designed and installed in accordance with Part B2 of NCC Volume 3 - Plumbing Code.
10. J9D5(1) The main electrical switchboard of a building must be in accordance to the requirements specified in part J9D5(1)(a) and J9D5(1)(b).

## Additional Compliance Requirements

Insufficient information was provided to verify the following items. These must be adopted in order to achieve compliance:

1. J4D3 All insulation should be both tested and labelled in accordance with in accordance with AS4859.1 and installed to the requirement of J4D3 (1) and (3).
2. J4D3 All reflective insulation must be installed in accordance with the requirements of J4D3 (2) for compliance
3. J6D3 An air conditioning system must have a control dead band of not less than 2C, except where a smaller range is required for specialized applications – J6D3(1)(h).
4. J6D3 A time switch must be provided to control the air-conditioning system which is capable of switching electric power on and off at variable pre-programmed times and on variable pre-programmed days – J6D3(3)(a)(i), J6D3(3)(a)(ii) and J6D3(3)(b).
5. J6D12 The specified air-conditioning system must comply with MEPS.



## **Thermal Comfort Requirements**

A prescribed thermal comfort level must be achieved to the building's occupied zones during its hour of operation. Appendix TCA of this report includes the thermal comfort assessment details and results.

For Relevant BCA Clauses

For the full statement of specific BCA clauses refer to the NCC Volume One online version located at <https://www.abcb.gov.au/ncc-online/NCC>.



## 2. COMPLIANCE REPORT

### 2.1 INTRODUCTION

SUHO was engaged by Roam Architects to assess the proposed 6 GLA Primary Learning Building for compliance with Section J - Energy Efficiency of the National Construction Code (NCC) 2022, Volume 1 (Amendment 2).

The building is located at 370 Sydenham Rd, Sydenham VIC 3037 (NCC Climate Zone 6) and has been classified as a Class 9b Building.

*There are no amendments listed in NCC Volume 1, Schedule 1 – State & Territory appendices, that apply specifically to the Section J requirements for this building*

### 2.2 COMPLIANCE SUMMARY

The Performance Requirement J1P1 must be satisfied by complying with the J2D2 under Application of Section J.

#### J1P1

This report shows compliance using a Performance Solution. It uses a combination of 'Assessments Methods' including:

1. Verification Method J1V3, facilitated for parts J4 and
2. A 'Deemed-to-Satisfy' (DTS) comparison for Parts J5 – J9 (as applicable).

#### Building Fabric

For a Class 9b (primary) Building, thermal performance and the necessary level of human comfort required of the building fabric, is covered by NCC Volume 1, Parts J4 (Building Fabric), and J5 (Building Sealing), in accordance with Part J2 Energy Efficiency, J2D2(1).

#### Building Services

Additionally, the operational energy efficiency of the building services is covered by J6 (Air-conditioning and ventilation services), J7 (Artificial lighting and power), J8 (Heated water supply and swimming pool and spa pool plant) and J9 (Facilities for energy monitoring), also in accordance with J2D2(1) – (4).

A full list of actions and items requiring further detail to achieve compliance with the Performance requirements is provided in part '1. Action Summary' on page 1 of this report.

#### Notes:

1. The verification process does not assess all items required by Section J in calculating the GHG theoretical estimate for the building. All DTS requirements, including those required by Part J1, have been satisfied or otherwise documented, except where review of that part has been completed by others.
2. The content of this report stipulates the minimum requirements to achieve compliance with the NCC 2022 Section J Energy Efficiency. It should not be interpreted as sustainable advice.



## Greenhouse Gas Emissions

The thermal performance of this building is quantified as the energy consumed by the operation of the building's services, conveyed as an annual (theoretical) amount of greenhouse gas emissions for state/ territory of VIC.

Under the J1V3 Verification Method, the greenhouse gas (GHG) emissions of a reference building (based on the Deemed-to-Satisfy Provisions for both envelope and minimum services) is modelled. This sets a target amount of energy consumption that the proposed building must not exceed. The simulated energy consumption of the Reference Building are expressed as the maximum allowable annual GHG emissions, and are calculated to be **27,583** kgCO<sub>2</sub>-e/annum for this building.

The material construction (or fabric) of the proposed building envelope is modelled with the same building services. Compliance is verified when it is determined that the annual greenhouse gas emissions of the proposed building, is not more than reference building. The proposed GHG emissions is calculated to be **27,537** kgCO<sub>2</sub>- e/annum.

The building with its proposed services, must also demonstrate that it produces less annual GHG emissions than the reference building. In this case calculated to be **17,582** kgCO<sub>2</sub>-e/annum. This is an overall **36%** reduction in greenhouse gas emissions from the reference building.

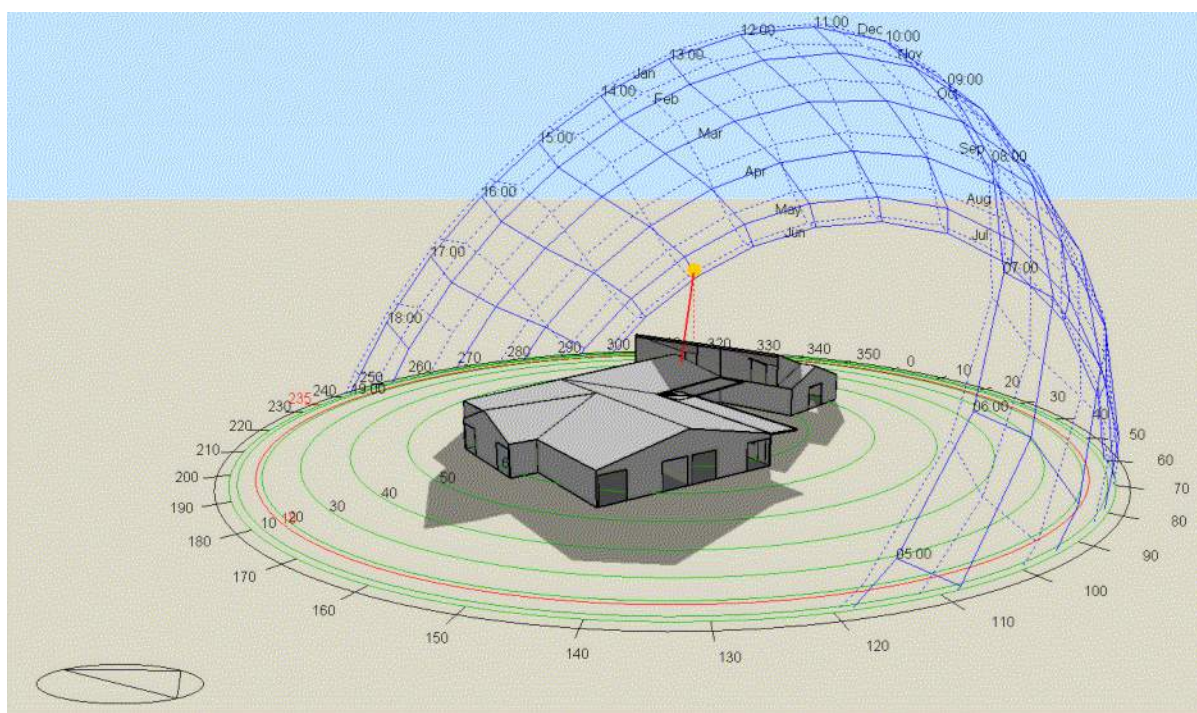


Figure 1 – Energy Plus (Design Builder) energy modelling



## Thermal Comfort Assessment

The proposed building with the proposed services, must also achieve thermal comfort.

The code requirement for a thermal comfort level of between a Predicted Mean Vote of -1 to +1, is achieved across not less than 95% of the floor area of all occupied zones for not less than 98% of the annual hours of operation of the building, meaning the thermal comfort compliance requirement is satisfied. (See Appendix TCA for further details.)

The combined Thermal Comfort results for all Room/Spaces is **100%**. Thermal comfort modelling results for the nominated areas are shown in the table below.

**[TABLE 3] – Thermal Comfort Results**

Room/Space	Zone	Average PMV	PMV % in range	Compliance Achieved
GLA1	Single	-0.024	99.9	YES
GLA6	Single	0.026	100.0	YES
Collabrative Learning	Single	0.010	100.0	YES
Corridor	Single	0.029	100.0	YES
GLA2	Single	0.049	100.0	YES
Altelier	Single	-0.020	100.0	YES
GLA3	Single	0.051	100.0	YES
GLA5	Single	0.030	100.0	YES
GLA4	Single	0.049	100.0	YES
<b>Overall Result</b>		<b>0.022</b>	<b>100.0</b>	<b>YES</b>

## Performance Solutions – Duty of Care Statement

The intent of this Verification Method is to demonstrate that a Performance Solution meets the Performance Requirements, providing flexibility from prescriptive Deemed-to-Satisfy (DTS) provisions, where they are not mandatory under Specification 33.

The trade-off is that performance solutions derived in this report must not have unintended consequences on any other Section or Part of the NCC. In satisfying the requirements, all practitioners and stakeholder utilising the outcomes of this report, should exercise a duty of care.



## 3. FINAL BUILDING SPECIFICATION

### 3.1 STRUCTURE

#### Envelope Description

The following describes the building envelope to be assessed:

*The building envelope is defined as illustrated in the stamped plans attached to this report.*

[TABLE 2] – Parts

Ground level

Qty	Name	Classification of Part	Floor Area (m <sup>2</sup> )
1	GLAs	9b - education	780.0
Total area of building:			780.0



## 3.2 J4 FABRIC

The following items apply to the elements forming the building envelope of the Parts of the building listed in the table above.

### J4D3 – Thermal construction - general

Refer to Part 1. Action Summary, 'Additional Compliance Requirements'.

### J4D4 – Roofs and Ceilings Constructions

The proposed roofs in the building envelope must achieve the minimum R-value shown in the calculations below.

#### [TABLE 4] - Typical Roof, Skillion, Non ventilated

Outer solar absorptance: 0.48 (Dune Matt)

Layer	Specification	R-Value [Downwards] (m <sup>2</sup> .K/w)
External Air Film	Wind speed: Up to 3 m/s	0.03
Steel sheeting	Conductivity: 47.5 W/m.K, Thickness: 0.42 mm, Material Density: 7850	0
Air Space	Specified R-Value of 1.3 K.m <sup>2</sup> /W Emittance: 0.2 out - 0.05 in	1.3
Thermal break	Downwards R:0.2, Continuous, thermal break	Combined in bridged layer
R3.6 roof blanket (compressed)	Achieved R-Value of 2.41 K.m <sup>2</sup> /W [Bridged layer]	1.83
Acoustic Ceiling Tiles	Conductivity: 0.05 W/m.K, Thickness: 25 mm, Material Density: 290	0.5
Internal Air Film	Wind speed: Still - 0m/s	0.16
Bridging Framing (mm):	1200 c/c, 90 W, 150 D, 1.2 Web	<b>Total: 3.82</b>



**[TABLE 5] - Typical Roof-toilets & cleaners, Skillion, Non ventilated**

Outer solar absorptance: 0.48 (Dune Matt)

Layer	Specification	R-Value [Downwards] (m <sup>2</sup> .K/w)
External Air Film	Wind speed: Up to 3 m/s	0.03
Steel sheeting	Conductivity: 47.5 W/m.K, Thickness: 0.42 mm, Material Density: 7850	0
Air Space	Specified R-Value of 1.3 K.m <sup>2</sup> /W Emittance: 0.2 out - 0.05 in	1.3
Thermal break	Downwards R:0.2, Continuous, thermal break	Combined in bridged layer
R3.6 roof blanket (compressed)	Achieved R-Value of 2.41 K.m <sup>2</sup> /W [Bridged layer]	1.83
Plaster Ceiling Tiles	Conductivity: 0.38 W/m.K, Thickness: 13 mm, Material Density: 1120	0.03
Internal Air Film	Wind speed: Still - 0m/s	0.16
Bridging Framing (mm):	1200 c/c, 90 W, 150 D, 1.2 Web	<b>Total: 3.4</b>

#### J4D5 – Roof Lights

There are no roof light/s in the nominated building envelope.





## J4D6 – Walls

The proposed wall/s in the building envelope must achieve the minimum R-value shown in the calculations below.

**[TABLE 6] - External Wall**

Dado wall, Outer solar absorptance: 0.7/0.48 (Coffs Blackbutt Timber/Colorbond Dune Matt)

Layer	Specification	R-Value [Inwards] (m <sup>2</sup> .K/w)
External Air Film	Wind speed: Up to 3 m/s	0.03
Steel sheeting	Conductivity: 47.5 W/m.K, Thickness: 0.42 mm, Material Density: 7850	0
R3.0 Insulation Batt	Achieved R-Value of 2.82 K.m <sup>2</sup> /W [Bridged layer]	1.12
Gypsum plasterboard	Conductivity: 0.17 W/m.K, Thickness: 13 mm, Material Density: 880	0.08
Internal Air Film	Wind speed: Still - 0m/s	0.12
Bridging Framing (mm):	600 c/c, 48 W, 150 D, 1.15 Web Noggings 2100 c/c	<b>Total: 1.4</b>

## J4D6 – Glazing

Glazing (including all glazed door elements) in the building envelope must be equal to or better than the following proposed values (U-value and SGHC) as per the table below.

### Compliant Minimum Proposed Glazing Specification

**[TABLE 7] – Ground level**

Window ID./ Name	Description	Total System U-value	SHGC
External Glazing	Window, glazed doors	<=4.6	<=0.4

**Note:** These proposed minimum values are derived from thermal modelling based the J1V3 Verification Method. The DTS glazing values applied in the reference building simulation be found in Appendix C.



## J4D7 – Floors

The proposed floors in the building envelope must achieve the minimum R-value shown in the calculations below.

**[TABLE 8] – Carpet Flooring, CSOG**

Layer	Specification	R-Value [Downwards] (m <sup>2</sup> .K/w)
Internal Air Film	Wind speed: Still - 0m/s	0.16
Carpet	Conductivity: 0.05 W/m.K, Thickness: 5 mm, Material Density: 0	0.1
Solid concrete	Conductivity: 1.44 W/m.K, Thickness: 150 mm, Material Density: 2400	0.1
Soil	Soil Contact Resistance	2.02
		<b>Total: 2.4</b>

**[TABLE 9] – Resilient Sheet Flooring, CSOG**

Layer	Specification	R-Value [Downwards] (m <sup>2</sup> .K/w)
Internal Air Film	Wind speed: Still - 0m/s	0.16
Resilient sheet	Conductivity: 0.3 W/m.K, Thickness: 2 mm, Material Density: 1600	0.01
Solid concrete	Conductivity: 1.44 W/m.K, Thickness: 150 mm, Material Density: 2400	0.1
Soil	Soil Contact Resistance	2.02
		<b>Total: 2.3</b>



### Building Fabric (Additional)

There are “non-envelope” fabrics. The specifications below must be met in order to ensure compliance is satisfied.

**[TABLE 10] - Non-Envelope Fabric**

Type	Description	R value
Internal Wall	Between Internal Spaces	R1.2



### 3.3 J5 BUILDING SEALING

The following items apply to the elements forming the envelope of the following parts of the building:

1. GLAs, Class 9b - education

#### **J5D2 – APPLICATION OF PART**

There are no exemptions under this Part.

#### **J5D3 – CHIMNEYS AND FLUES**

There are no open solid-fuel burning appliances with a chimney or flue that is to be sealed under the requirements of J5D3.

#### **J5D4 – ROOF LIGHTS**

There are no roof lights in a conditioned space or a habitable room to be sealed under the requirement of J5D4

#### **J5D5 – WINDOWS AND DOORS**

The sealing requirements of Section J5D5 are not met. Refer to the Specification Upgrades on Page 3

There are no loading dock entrances required to meet the requirements of J5D5.

#### **J5D6 – EXHAUST FANS**

The sealing requirements of Section J5D6 are not met. Refer to the Specification Upgrades on Page 3.

#### **J5D7 – CONSTRUCTION OF CEILING, WALLS AND FLOORS**

The sealing requirements of Section J5D7 are not met. Refer to the Specification Upgrades on Page 3.

#### **J5D8 – EVAPORATIVE COOLERS**

There are no evaporative coolers.

**For further details on Building Sealing go to:**

[www.airtightness.com.au](http://www.airtightness.com.au) – or contact SUHO for more information on air tightness testing.



## 3.4 J6 AIR CONDITIONING AND VENTILATION SYSTEMS

### **ASTH34KMTD - 9.5kW**

- > Type: Split System
- > Heat energy Source: Electricity
- > Rated cooling capacity: 9.5kW
- > Rated heating capacity: 10.5kW
- > Cooling energy efficiency ratio (EER): 3.49
- > Heating coefficient of performance (COP): 3.39

### **ASTH30KMTD - 8.5kW**

- > Type: Split System
- > Heat energy Source: Electricity
- > Rated cooling capacity: 8.5kW
- > Rated heating capacity: 9kW
- > Cooling energy efficiency ratio (EER): 3.41
- > Heating coefficient of performance (COP): 3.77

### **J6D3 – AIR-CONDITIONING SYSTEM CONTROL**

Air conditioning system control must comply with J6D3(a)(i).

Refer to specification upgrades on Page 4.

### **J6D4 – MECHANICAL VENTILATION SYSTEM CONTROL**

No mechanical ventilation system is provided by the system.

### **J6D12 – UNITARY AIR-CONDITIONING EQUIPMENT**

Refer to specification upgrades on Page 4.



## 3.5 J7 ARTIFICIAL LIGHTING AND POWER

### J7D3 - ARTIFICIAL LIGHTING

There are artificial (internal) lights specified. The (compliant) lighting calculations below define maximum DTS allowance and proposed design lighting power loads, to ensure compliance is satisfied.

Class 9b - education

Maximum Illumination Power Load Allowance (DTS): 4,627W

Proposed Total Power Load Usage: 1,134W

Building name/description						Classification									
Erasmus Primary School						Class 9b									
Number of rows preferred in table below		9 (as currently displayed)													
Description	Floor area of the space	Perimeter of the space	Floor to ceiling height	Design illumination power load	Space	Illuminance		Adjustment factor 1		Adjustment factor 2		Light colour adjustment factors		SATISFIES PART J7D3	
						Designed lux level	Recommended lux level	Adjustment factor 1	Dimming % area	Illuminance shutdown	Adjustment factor 2	Dimming % area	Illuminance shutdown	Light colour adjustment factor 1	Light colour adjustment factor 2
These columns do not represent a requirement of the NCC and are suggestions only.								Adjustment factor			Adjustment factor				
1	GLA1	79.2 m²	30 m	4.1 m	114 W	School - general purpose learning areas and toilet rooms								524 W	10% of 20%
2	LABORATORY	172.4 m²	84 m	3.2 m	399 W	School - general purpose learning areas and toilet rooms								1888 W	38% of 20%
3	GLA1	79.4 m²	30 m	4.1 m	88 W	School - general purpose learning areas and toilet rooms								519 W	8% of 20%
4	GLA2	79.2 m²	30 m	4.1 m	82 W	School - general purpose learning areas and toilet rooms								470 W	8% of 20%
5	GLA3	71.6 m²	34 m	3.2 m	68 W	School - general purpose learning areas and toilet rooms								448 W	8% of 20%
6	GLA4	76.3 m²	35 m	3.2 m	69 W	School - general purpose learning areas and toilet rooms								470 W	8% of 20%
7	GLA5	72.8 m²	34 m	3.2 m	92 W	School - general purpose learning areas and toilet rooms								481 W	8% of 20%
8	GLA6	79.2 m²	30 m	3.2 m	82 W	School - general purpose learning areas and toilet rooms								463 W	8% of 20%
9	WC	42.0 m²	30 m	3.2 m	104 W	Toilet, locker room, staff room, rest room and the like								104 W	14% of 20%
Total						1134 W								4627 W	
if inputs are valid															

Control devices are not compliant with Specification 40. Refer to Specification Upgrades in Part 1. Action Summary.

### J7D4 - INTERIOR ARTIFICIAL LIGHTING AND POWER CONTROL

Artificial lighting within all rooms and spaces is controlled by a switch and or control device.

Controls for the operation of artificial lighting in adjacent room or space are easily accessible and appropriately located to allow for 90% of the lighting to be visible from the switch and or control device.

Light switches and or control devices comply with J7D4(4).

There is no requirement to control lights in the natural lighting zone as per J7D4(5).

### J7D5 - INTERIOR DECORATIVE AND DISPLAY LIGHTING

No interior decorative and or display lighting is present in this building.

### J7D6 - EXTERIOR ARTIFICIAL LIGHTING



Facade or signage lighting for decorative purposes is not controlled by a separate time switch. Refer to Part 1. Action Summary for detail.

LED luminaires account for 90% or more of the external artificial lighting load (including decorative lighting) of this building, complying with section J7D6(1)(b)(i).

#### **J7D7 – BOILING WATER AND CHILLED WATER STORAGE UNITS**

There are no boiling water and or chilled water storage units provided.

#### **J7D8 – LIFTS – ENERGY CONSUMPTION**

No passenger or goods lifts (with rated speed more than 0.15m/s) present.

#### **J7D9 – ESCALATORS OR MOVING WALKWAYS**

No escalators or moving walkways present.

### **3.6 J8 HEATED WATER SUPPLY**

Refer to Part 1. Action Summary for details.

### **3.7 J9 ENERGY MONITORING and ON-SITE DISTRIBUTED ENERGY RESOURCES**

#### **J9D3 – Facilities for energy monitoring**

Refer to part 1. Action Summary for details.

#### **J9D4 – Facilities for EV charging equipment**

Refer to part 1. Action Summary for details.

#### **J9D5 – Facilities for solar photovoltaic and battery systems**

Refer to part 1. Action Summary for details.



## 4. APPENDIX JP1- ENERGY USE

### 4.1 PERFORMANCE REQUIREMENT J1P1

A building, other than a *sole-occupancy* unit of a Class 2 building or a Class 4 part of a building, including its *services*, must have features that facilitate the efficient use of energy appropriate to –

- (a) the function and use of the building; and
- (b) the level of human comfort required for the building use; and
- (c) solar radiation being—
  - (i) utilised for heating; and
  - (ii) controlled to minimise energy for cooling; and
- (d) the energy source of the services; and
- (e) the sealing of the building envelope against air leakage; and
- (f) for a *conditioned space*, achieve an hourly *regulated energy* consumption, average over the annual *hours of operation*, of not more than –
  - (i) for a class 6 building, 80 kJ/m<sup>2</sup>.hr, and
  - (ii) for a Class 5, 7b, 8, 9a building other than a *ward area*, or a Class 9b *school*, 43 kJ/m<sup>2</sup>.hr, and
  - (iii) for all other building classifications, other than a *sole-occupancy unit* of a Class 2 building or a Class 4 part of a building, 15 kJ/m<sup>2</sup>.hr.

#### Assessment Method – NCC Volume 1, Part A2G4

The building has been assessed using a combination of Performance and Deemed-to-Satisfy Solutions including; Verification Method J1V3 (using a modelled reference building) and the Deemed-to-Satisfy (DTS) provisions, as provided for in the NCC (Part A2G2).

Thermal modelling simulations were conducted with EnergyPlus software, compliant with ANSI/ASHRAE Standards 140, 'Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs'.

Specifications for the 'required' modelling parameter, have been used for calculating the annual greenhouse gas emissions of a building as per 'Specification 34' – 'Modelling parameters'. A summary of the parameters can be found in the 'Fixed Inputs' below.

#### Additional Requirements – NCC Volume 1, Specification 33

In addition to modelling requirements, a building must also comply with the requirements of Specification 33. These additional requirements are not executed within the energy modelling; therefore, it must be properly demonstrated that the project documentation meets the DTS Provisions.

These additional requirements have been assessed, and the appropriate observations recorded based on the extent of the works commissioned, as described under Part 2. COMPLIANCE REPORT, 'Scope of Assessment'.





## 4.2 J1P4 – RENEWABLE ENERGY AND ELECTRIC VEHICLE CHARGING

A building must have features that facilitate the future installation of on-site renewable energy generation and storage and electric vehicle charging equipment.



## Fixed Inputs

The following table lists the fixed input data used to establish J1V3 annual greenhouse gas emission calculations. This data is from Specification 34 and 35 of NCC 2022, unless otherwise stated.

**[TABLE 11] – Fixed Inputs Data**

Input	Specification
<b>Common Inputs:</b>	
Weather file selection:	AUS_MELBOURNE-AP_948660_IW2
Infiltration Rate:	0.7 ac/hr – when there is no mechanically outdoor air supply; 0.35 ac/hr at all other times.
Conditioned Space Temperature Settings:	21-24°C for 98% of annual hours of operation – (18-25°C for conditioned transitory occupancy)
External Shading:	As per drawing and specification.
<b>Class 9b School - Inputs:</b>	
Occupancy and operation profiles:	As per Table S35C2j, Specification 35, Modelling profiles for J1V9b.
Internal heat gains from appliances and equipment:	As per Table S35C2l, Specification 35, Modelling profiles – 5W/m <sup>2</sup> .
Internal heat gains for occupants and hot meals:	As per Table S35C2n, Specification 35, Modelling profiles – 130W (75 W sensible heat and 55W latent heat).
Number of Persons accommodated:	As per Table D2D18 of part D1 – Area per person according to usage.
Heated (daily) water supply consumption rates:	As per Table S35C2m, Specification 35, Modelling profiles – 3.5L/m <sup>2</sup> .
Outside air cycle:	As per minimum mechanical ventilation required by Part F6.



### Variable Inputs

This following table compares the differences between the proposed building and the Deemed-to-Satisfy (DTS) compliant 'reference building' assessed using Verification Method J1V3.

[TABLE 12] - Variable Inputs Data

Construction Type	Proposed Fabric	Reference Fabric
<b>J4D4 Roof &amp; Ceilings:</b>		
Typical Skillion Roof	3.82	3.2
Typical Skillion Roof-Toilets & cleaners	3.4	3.2
<b>J4D6 Walls:</b>		
External Wall	1.4	See Appendix C.
<b>J4D6 Glazing:</b>		
	U-value / SHGC	U-value / SHGC
All External Glazing	4.6 / 0.4	See Appendix C.
<b>J4D7 Floors:</b>		
Carpet flooring	2.4	2.0
Resilient Sheet Flooring	2.3	2.0

### Notes:

1. Proposed roof and external wall colours have been simulated as per the solar absorptances in Part 3 Final Building Specification. The reference inputs for solar absorptances have been input as 0.6 for External Walls (Specification 34) and roof solar absorptance of 0.45.

### Reference Information:

The values in the Variable Input table above, were calculated in accordance with:

1. Specification 36, Table S36C2a – S36C2e for material properties.
2. AS/NZS 4859.2 for roof and floor (including allowance for thermal bridging).
3. Specification 37 for wall-glazing construction (AS/NZS 4859.2, (including allowance for thermal bridging).
4. Specification 38 for spandrel panels.
5. Specification 39 for soil and or sub-floor spaces.
6. Glazing proposed values are calculated from the thermal performance model and are summarized under 'GLAZING' in the Part 3. Final Building Specification.
7. Glazing reference value are calculated for each facade and storey and are presented in J4D6 Wall-Glazing Calculations in Appendix C.
8. As per clause S34C2(f) of Specification 34, where services are not covered by Parts J6 and Parts J8, MEPS must be applied.
9. As per Part J6D12, as described in the Energy Efficiency Vol. 1 Handbook, unitary equipment with capacity of less than 65kW, must comply with MEPS, the national Minimum Energy Performance Standards. For further details see:  
<https://www.energyrating.gov.au/products-0>



## 4.3 SIMULATION OUTPUTS

The greenhouse gas emissions calculated in the following table are generated using design conditions and calculations methods as required by Verification Method J1V3 and requirements stipulated by Specification 34 Modelling parameters and represents theoretical values for the operation of the building. These values provide a means for the comparison of the building fabric (and services) performance, against the minimum DTS requirements of Section J.

**[TABLE 13] – GHG Emission Simulation Outputs**

Energy Use Components	Proposed Fabric Proposed Services	Proposed Fabric DTS Services	Reference Building
Heating	11,595	11,399	10,922
Cooling	2,900	3,517	4,040
internalLighting	3,086	12,621	12,621
<b>Total Annual GHG Emissions (KgCO<sub>2</sub>- e/GJ)</b>	<b>17,582</b>	<b>27,537</b>	<b>27,583</b>

Note: Not all Energy Use Components as identified in Section J are represented in the table above. As compliance has been undertaken as a Performance Solution, some energy use components may have either been assessed to DTS requirements or assessed by other consultants. Refer to Part 2.2 Compliance Summary, 'J1P1' for clarification.



## 5. APPEXDIX B – THERMAL COMFORT ASSESSMENT

This Appendix explains how a mandatory Thermal Comfort Assessment is undertaken, required for all J1V3 – J1V3 Verification assessments under Section J.

### 5.1 BACKGROUND

The aim of Thermal Comfort of NCC2022 is to ensure that projects achieve a minimum benchmark for the occupant thermal comfort, equivalent to  $\geq 75\%$  of all occupants being satisfied in the space.

This project is demonstrating compliance via the “Verification using a reference building” pathway which has the following requirements:

- > The space must meet specified prescriptive criteria for Thermal Comfort or the Predicted Mean Vote (PMV) levels are between -1 and +1 (1 point);
- > PMV levels are calculated in accordance with either ASHRAE Standard 55-2013 or ISO 7730-2005;
- > PMV levels to be met for each room or space and not averaged;
- > Modelling carried out in accordance with ASHRAE Standard 55-2013 and justified and sourced from either ASHRAE Standard 55-2013 or ISO 7730-2005.

#### Predicted Mean Vote

The Predicated Mean Vote (PMV) is a measure of how satisfied a typical occupant would be with the thermal conditions based on the following Fanger PMV scale:

Predicted Mean Vote (PMV)	Sensation
+3	Hot
+2	Warm
+1	Slightly Warm
0	Neutral
-1	Slightly Cool
-2	Cool
-3	Cold

The PMV calculation is based on the following factors:

- > Air Temperature (Dry Bulb)
- > Mean Radiant Temperature
- > Relative Humidity
- > Air Velocity
- > Metabolic Rate
- > Clothing Resistance to Heat Transfer

#### Achieving Compliance

To achieve compliance under NCC2022, the proposed building must achieve a thermal comfort level between a PMV of -1 to +1. This should be achieved across  $\geq 95\%$  of the floor area of all occupied zones, for  $\geq 98\%$  of the building’s annual operational hours.



## 5.2 METHOD

The thermal comfort simulation was performed using Design Builder which uses the Energy Plus simulation engine. The proposed model and services from the energy simulations are used. This model considers construction types, materials, internal loads, occupancy profile and local weather data. It also factors in occupant activity, clothing levels, and relative air velocities.

In line with the credit requirements the following modelling and design parameters were included:

- > All perimeter zones modelled with a maximum depth of 4m;
- > Perimeter zones are reported independently of interior zones;
- > Zoning to match the air conditioning zones (except for perimeter zones which must be 4m in depth) with exceptions permitted for small enclosed spaces at the discretion of the mechanical engineer (e.g., a small perimeter office);
- > Modelling of Inter-zone virtual partitions;
- > Perimeter air conditioning zones not exceeding 75m<sup>2</sup>;
- > Model completed with all systems assessed simultaneously;
- > Comfort predictions measured at the midpoint of each zone (i.e., 2m from the perimeter in a 4m deep zone) and at a height of between 0.8m and 1.5m above FFL, or comfort predictions shall be taken as an average across the zone.

The nominated areas for which the PMV calculations have performed are based on the NCC 2022 definitions of occupied zone.

ASHRAE Standard 55-2013 has been used to source and justify values throughout the assessment. The following outlines the inputs used:

- > Metabolic Rates of Occupants:
  - » 77 W/m<sup>2</sup> (Sedentary activity - office, dwelling, school, laboratory)
- > Skin Surface Areas of Occupants (to determine metabolic rate per person)
  - » Adults: 1.80m<sup>2</sup>
- > Clothing of Occupants:
  - » Summer: 0.36 CLO (walking shorts, short-sleeve shirt)
  - » Winter: 1.37 CLO (Trousers, Long-sleeve shirts, long-sleeve sweater)
- > Air Velocity:
  - » 0.2 m/s
- > Hours of Operation:
  - » The number of hours when occupancy of the building is greater than 20% of the peak occupancy
- > Occupancy Profile:
  - » Is expressed as a percentage of the maximum number of people that can be accommodated in that building class.
- > HVAC Selection:
  - » Wall Mounted Split System, Fujitsu – ASTH34KMTD.
  - » Wall Mounted Split System, Fujitsu – ASTH30KMTD.
- > Design Temperature Setpoints
  - » Summer Cooling Setpoint: 24°C
  - » Winter Heating Setpoint: 21°C
- > Internal Loads:
  - » As per NCC Section J.



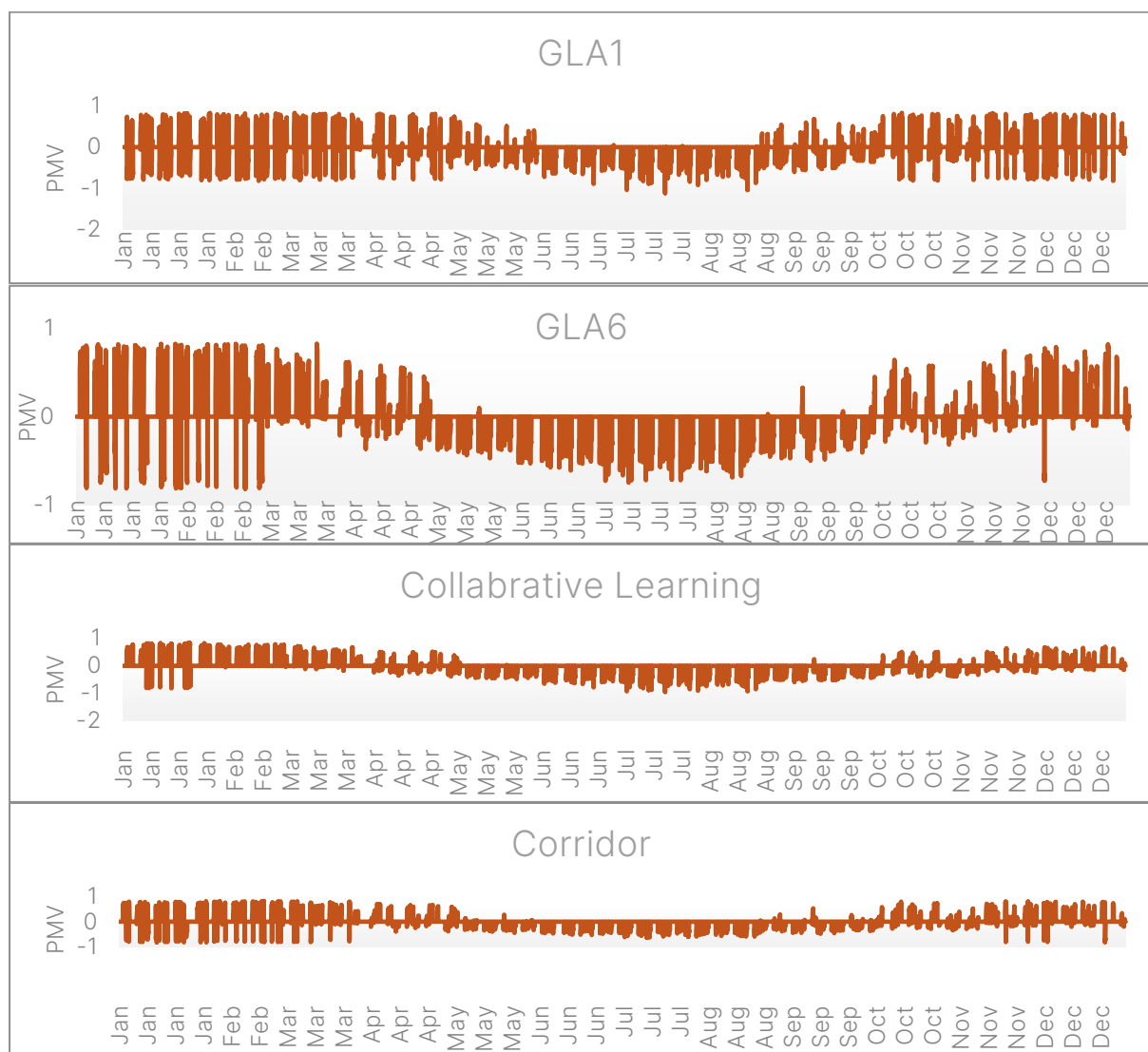
## 5.3 RESULTS

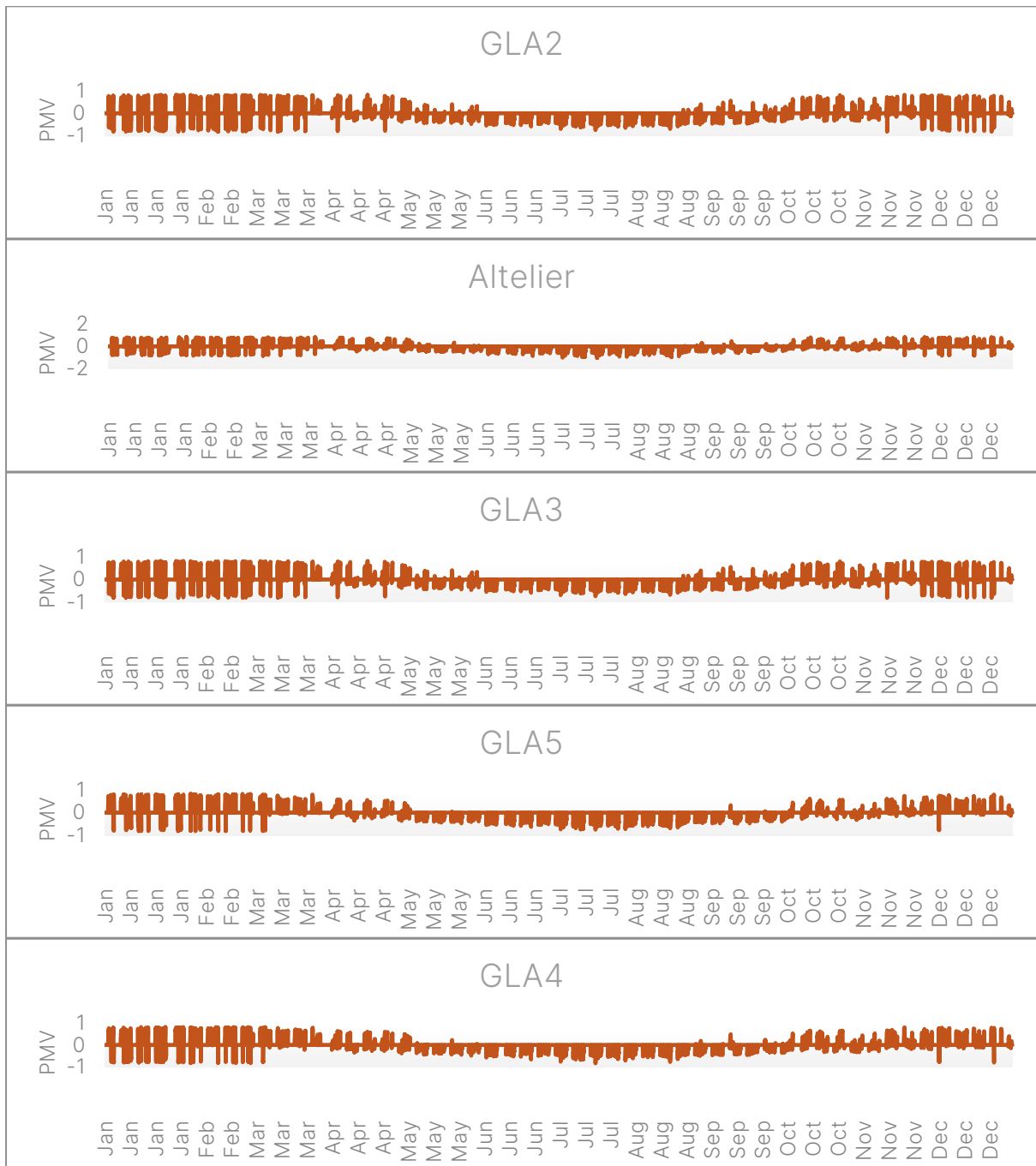
The building maintains a PMV of between -1 and +1 for **100%** of the nominated area. The Thermal comfort results for each of the zones assessed is included in Part 2: Compliance Summary of this report.

### Thermal comfort graphs

The following graphs display the PMV that the building maintains for each room or space at each Level of the building.

#### Ground level, 9 zones







## 6. APPENDIX C – CODE COMPLIANCE CALCULATIONS

This Appendix includes derived calculations undertaken to determine minimum DTS reference building requirements for assessment.

### J4D6 – WALLS AND GLAZING

Project Name:	Emmaus Sydenham School				SUHO Job #:	364920				Climate Zone:	6			
					Floor Level:	Ground				Building Class:	Other			
Wall Details:					Total Façade Area Details (m²):					Door Details:				
	CPS Wall Name	Location	R-value	U-value	North	East	South	West		Name	Area (m²)			
Fabric 1	External Wall	External	1	1.00	106.4	138.8	156.4	116.4		D1	2.3			
Fabric 2				0.00						D2	4.4			
Fabric 3				0.00						D3	3.1			
Fabric 4				0.00										
Fabric 5				0.00										
Fabric 6				0.00										
Fabric 7				0.00										
Fabric 8				0.00										
Glazing Details:														
Window Entry							Proposed Values		Shading Entry		Factors			
Name	Orientation	Fabric #	Height (m)	Width (m)	Window Multiplier	Area (m²)	Proposed U-value	Proposed SHGC	P (m)	H (m)	Blind Factor	Display Glazing		
W1	N	Fabric 1	1	2.9	2	5.80			3	1.4				
W2	N	Fabric 1	1.5	3		4.50								
W3	N	Fabric 1	2.4	7.1		17.04			3	2.8				
W4	E	Fabric 1	2.4	2.6		6.24								
W5	E	Fabric 1	2.4	6.2		14.88			3	2.8				
W6	E	Fabric 1	2.4	2.4	4	23.04								
W7	S	Fabric 1	2.4	2.4	2	11.52								
W8	S	Fabric 1	2.4	4		9.60								
Skylights windows	S	Fabric 1	2.1	19.7		41.37								
W8	W	Fabric 1	2.4	2.4	6	34.56								

There are two methods of calculation provided under the NCC 2022 requirements. The following methodology has been used to calculate the minimum DTS reference requirements:

Method 2. Combines all four orientations to provide one combined performance requirement.

Method 2 - Combined	
Glazing Percentage (%)	32.5%
DTS Minimum Wall R-value	1.00
Achieved Wall R-value	1.00
Maximum Glazing U-value	4.07
Maximum SHGC	0.50





139 - EMMAUS SYDENHAM SCHOOL

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ISSUE	DATE	REVISIONS
P1	13.05.2025	Town Planning
P2	03.07.2025	COST PLAN C

Sheet List			
Sheet Number	Sheet Name	Current Revision	Current Revision Date
139-A-00	TITLE SHEET	P2	03.07.2025
139-A-01	GENERAL NOTES	P2	03.07.2025
139-A-02	TITLE SITE PLAN - EXISTING CONDITION	P3	03.07.2025
139-A-03	SITE PLAN - EXISTING - DEMOLITION	P3	03.07.2025
139-A-04	SITE PLAN - PROPOSED	P3	03.07.2025
139-B-01	GROUND FLOOR PLAN	P1	13.05.2025
139-B-02	ROOF PLAN	P1	13.05.2025
139-C-01	ELEVATIONS	P2	03.07.2025
139-C-02	ELEVATIONS EXTERNAL VIEWS	P2	03.07.2025
139-D-01	SECTIONS 01	P2	03.07.2025
139-D-02	SECTIONS 02	P2	03.07.2025
139-D-03	SECTIONS 03	P2	03.07.2025
139-E-01	REFLECTED CEILING PLAN GROUND FLOOR	P2	03.07.2025
139-G-01	COLLABORATIVE LEARNING	P1	03.07.2025
139-G-02	ATELIER	P1	03.07.2025
139-G-03	GLA 1	P1	03.07.2025
139-G-04	GLA 2	P1	03.07.2025
139-G-05	GLA 3	P1	03.07.2025
139-G-06	GLA 4	P1	03.07.2025
139-G-07	GLA 5	P1	03.07.2025
139-G-08	GLA 6	P1	03.07.2025
139-G-09	VERANDA	P1	03.07.2025
139-G-10	CLEANERS ROOM	P1	03.07.2025
139-J-01	WINDOWS	P2	03.07.2025
139-J-02	DOORS	P2	03.07.2025
139-K-01	WALL & PARTITION TYPES	P2	03.07.2025
139-K-02	DETAILS 01	P2	03.07.2025
139-K-03	DETAILS 02	P2	03.07.2025
139-M-01	CLASSROOM JOINERY 01	P2	03.07.2025
139-M-02	CLASSROOM JOINERY 02	P2	03.07.2025
139-M-03	CLASSROOM JOINERY 03	P2	03.07.2025
139-M-04	ATELIER JOINERY	P2	03.07.2025
139-Q-01	STUDENTS AMENITIES 01	P1	03.07.2025
139-Q-02	STUDENTS AMENITIES 02	P1	03.07.2025
139-Q-03	STUDENTS AMENITIES 03	P1	03.07.2025
139-Z-01	FINISHES SCHEDULE - SHEET 01	P2	03.07.2025
139-Z-02	FFE SCHEDULE - SHEET 01	P1	03.07.2025
139-Z-03	FFE SCHEDULE - SHEET 01 Copy 1	P1	03.07.2025



CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

TITLE SHEET

DRAWING NUMBER	ISSUE
139-A-00	P2

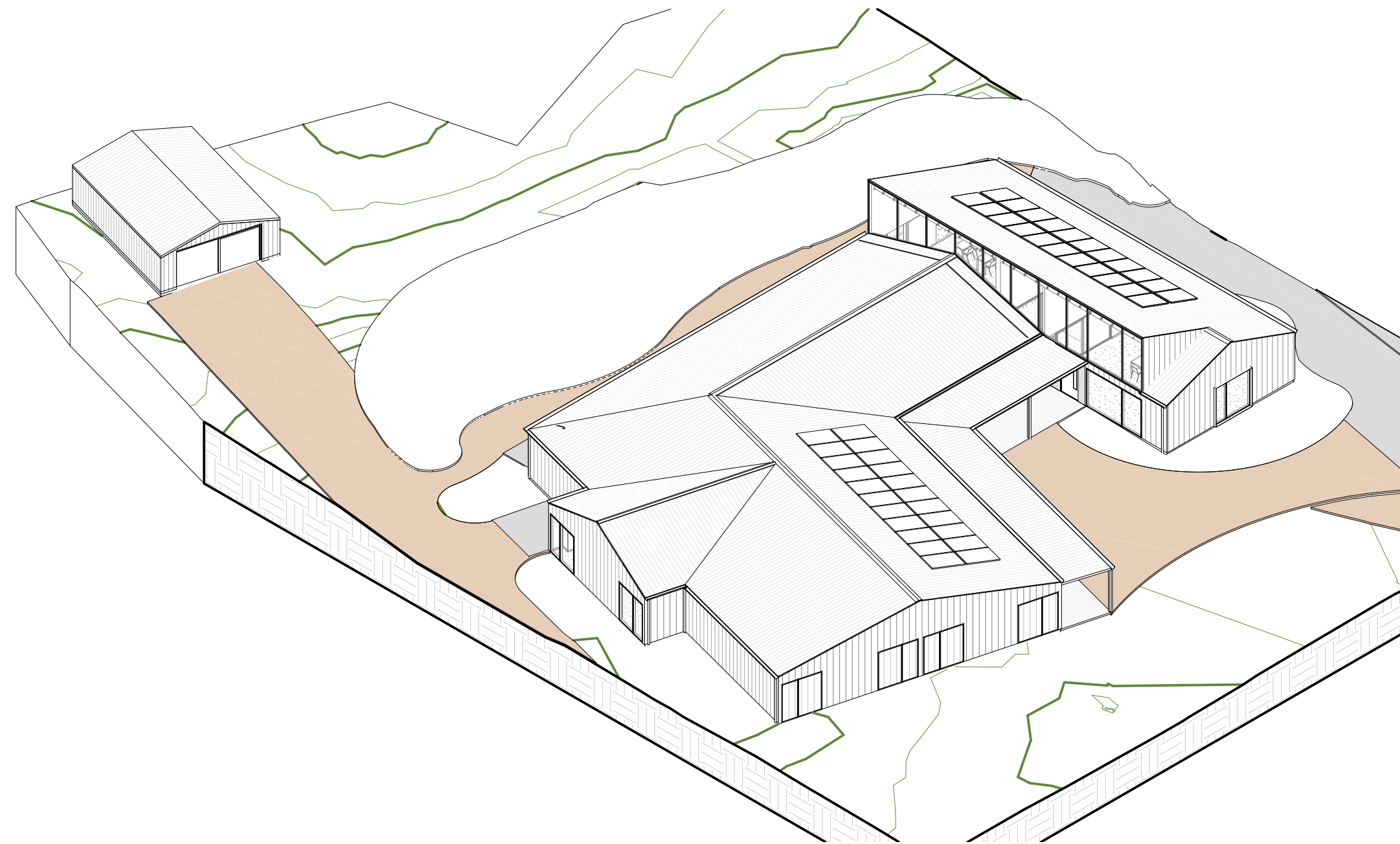
Date: 12/08/2025  
Job Ref: 364920

Refer to page 3, 'Action Summary'  
for compliance requirements.



*Jim Woolcock*  
BDAV Member - Jim Woolcock





GENERAL NOTES:

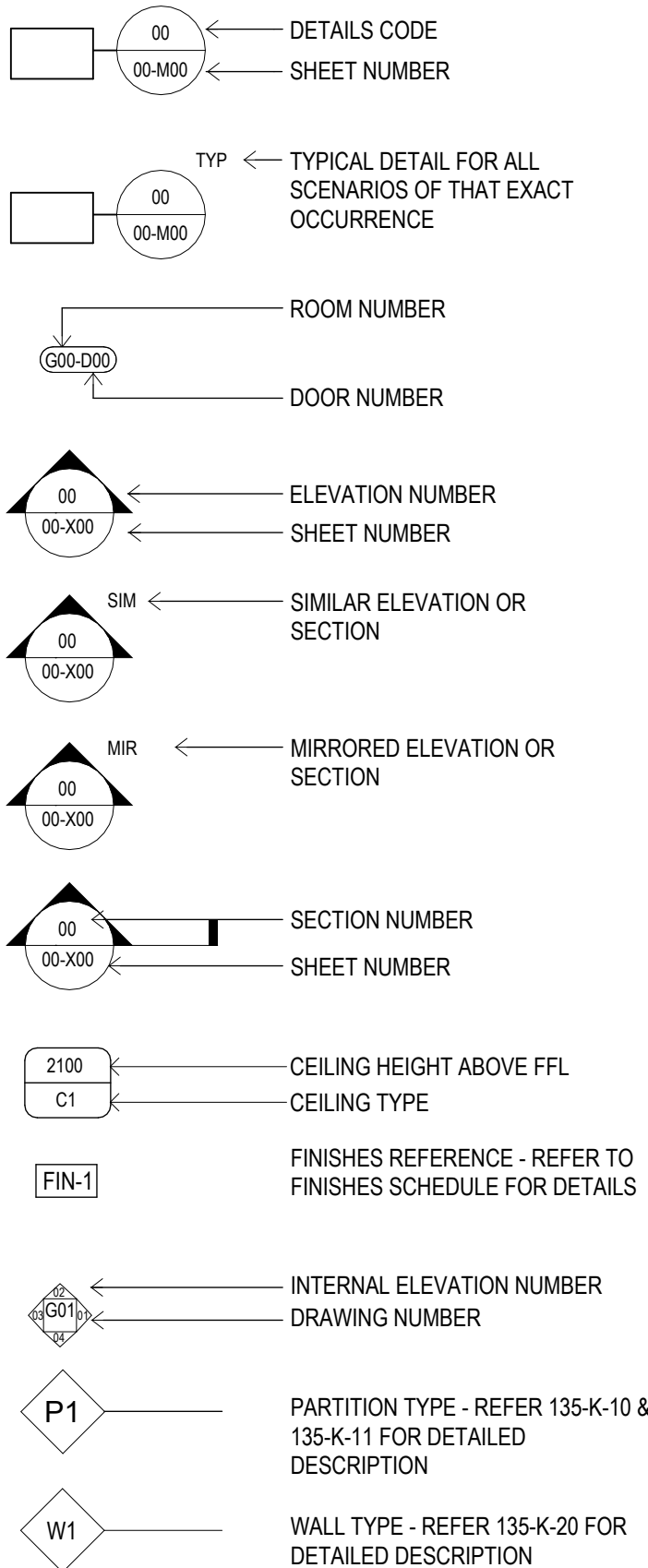
- 1. DO NOT SCALE FROM THE DRAWINGS. CONFIRM ALL DIMENSIONS AND SETTING OUT ON SITE WITH SUPERINTENDENT PRIOR TO COMMENCEMENT OF THE WORKS
- 2. THE OWNER, CONTRACTOR, SUBCONTRACTOR SHALL ENSURE THAT ALL BUILDING WORKS COMPLY WITH THE NATIONAL CODE OF AUSTRALIA, THE BUILDING REGULATIONS, ALL RELEVANT AUSTRALIAN STANDARDS, BY LAWS AND TOWN PLANNING REQUIREMENTS. REPORT DISCREPANCIES TO THE ARCHITECTS,
- 3. READ DRAWINGS IN CONJUNCTION WITH SCHEDULES, SPECIFICATIONS AND WITH STRUCTURAL, CIVIL, FIRE / HYDRAULIC, MECHANICAL & ELECTRICAL SERVICES DOCUMENTATION AND OTHER SUPPORTING INFORMATION.
- 4. REFER TO THE FINISHES SCHEDULE FOR ALL INSULATION TYPES
- 5. ALL GLAZING TO BE IN ACCORDANCE WITH AS1288-2021 AND AS2047
- 6. FOOTINGS SHALL NOT ENCR OACH TITLE BOUNDARIES OR EASEMENT LINES
- 7. WET AREAS TO BE WATERPROOF IN ACCORDANCE WITH AS 3740

PAVING SLABS:

GENERAL NOTES

- 1. PAVING SLABS GENERALLY TO BE IN ACCORDANCE WITH LOCAL COUNCIL STANDARDS AND WITH CIVIL ENGINEER'S SPECIFICATIONS
- 2. CONCRETE IS TO BE INSTALLED BY A SUITABLY EXPERIENCED CONTRACTOR ONTO A COMPACTED FOR BASE, WITH THICKNESSES AND REINFORCEMENT IN ACCORDANCE WITH THE STANDARD COUNCIL DETAIL PROVIDED.
- 3. EXPANSION JOINTS AND TOOLED JOINTS ARE TO BE APPLIED AS REQUIRED TO PREVENT EXCESSIVE CRACKING OR DAMAGE TO ABUTTING STRUCTURES/SURFACES. EXCESSIVE CRACKING WILL BE DEEMED A DEFECT AND WILL REQUIRE THE REPLACEMENT OF THE AFFECTED CONCRETE PANELS.
- 4. CONCRETE PAVING IS TO BE UNDERTAKEN TO MATCH IN WITH THE LEVELS OF EXISTING SURFACES AND ANY WORK UNDERTAKEN BY OTHERS. CARE IS TO BE TAKEN TO AVOID DAMAGE TO EXISTING CONDITIONS OR WORKS. ANY CONCRETE SPILLED ONTO SURROUNDING SURFACES DURING INSTALLATION MUST BE CLEANED AWAY.
- 5. CONCRETE SURFACES ARE TO BE LAYED TO ACHIEVE POSITIVE DRAINAGE AWAY FROM BUILDINGS, AND TO AVOID POOLING OF WATER ON THE FINISHED SURFACE.
- 6. THE FINISH SPECIFIED SHALL BE APPLIED EVENLY AND CONSISTENTLY ACROSS THE FINISHED SURFACE

TAGS DESCRIPTION



CEILING LEGEND & SCHEDULE:

GENERAL NOTES:

- 1. INSTALL FLUSHSET 13mm PLASTERBOARD CEILINGS TO SOFFITS TO ALL INTERNAL SPACES, UNLESS NOTED OTHERWISE AND AS SUBJECT TO CEILING TYPES NOMINATED BELOW.
- 2. PROVIDE TRIMLESS CEILING ACCESS PANELS AS REQUIRED FOR ELECTRICAL AND MECHANICAL SERVICES. PAINT TO MATCH ADJACENT CEILING
- 3. ARCHITECTURAL REFLECTED CEILING PLANS ARE INTENDED TO SHOW GENERAL ARRANGEMENT/ LOCATIONS OF CEILING FITTINGS & FIXTURES AND TO BE READ IN CONJUNCTION WITH RELEVANT SERVICES DRAWINGS. FOR SPECIFIC QUANTITIES AND TYPES OF SERVICES REFER TO CONSULTANT'S DRAWINGS
- 4. ALL BULKHEADS, INCLUDING SIDES, TO BE FLUSHSET PLASTERBOARD UNLESS NOTED OTHERWISE
- 5. WHERE FULL HEIGHT INTERNAL GLAZING IS SPECIFIED, ENSURE ADJACENT CEILING HEIGHTS MATCH. CONFIRM WITH ARCHITECT PRIOR TO CONSTRUCTION
- 6. SUSPENDED CEILINGS SYSTEMS TO BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND ADJUSTED TO SUIT CEILING PROFILE AND POSITION OF STRUCTURAL ELEMENTS.
- 7. ALL LIGHT SWITCHES TO BE 1000 FROM FFL TO CL OF SWITCH IN ACCORDANCE WITH CLAUSE 14 AS 1428.1
- 8. CEILING ACCESS PANELS TO BE FLUSH TRIMLESS TYPE PAINTED TO MATCH ADJACENT CEILING. REFER TO REFLECTED CEILING PLAN AND MECHANICAL & ELECTRICAL ENGINEER'S DRAWINGS

REFER TO FINISHES SCHEDULE FOR DETAILED SPECIFICATION OF CEILING TYPES INCLUDING PAINTING AND INSULATION

DOORS & WINDOWS:

REFER TO DRAWING SERIES J

FIRE EXTINGUISHERS (FE):

PROVIDE 4.5 KG TYPE ABE, ASSOCIATED SIGNAGE & FIRE BLANKETS IN ACCORDANCE WITH AS 2444. LOCATIONS AS SHOWN ON THE HYDRAULIC ENGINEER'S DRAWINGS

ENERGY EFFICIENCY:

ALL THE BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ENERGY EFFICIENCY REPORT AND WITH THE REQUIREMENTS SHOWN IN THE ARCHITECTURAL DOCUMENTS. READ ALL DOCUMENTS IN CONJUNCTION

IRRIGATION:

THE CONTRACTOR IS RESPONSIBLE FOR THE DETAILED DESIGN OF IRRIGATION SYSTEMS TO MEET THE REQUIREMENTS DEFINED ON THE LANDSCAPE ARCHITECT'S DOCUMENTS.

DEMOLITION LEGEND

GENERAL NOTES

- 1. READ IN CONJUNCTION WITH ALL DRAWINGS, SCHEDULES & SPECIFICATIONS
- 2. DEMOLISH ALL BUILDING & LANDSCAPE ELEMENTS SHOWN AS DASHED AND AS NOTED ON THE DEMOLITION DRAWINGS
- 3. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND PROVISION OF ALL REQUIRED TEMPORARY SUPPORT IF REQUIRED
- 4. RETAIN ITEMS FOR REUSE AND/OR HAND BACK TO CLIENT WHERE NOTED
- 5. CAP OFF / TERMINATE ALL EXISTING SERVICES WHERE ASSOCIATED WITH THE DEMOLITION
- 6. PROTECT ALL RETAINED BUILDING ELEMENTS
- 7. CONTRACTOR IS TO FAMILIARISE THEMSELVES WITH ALL PROPOSED SERVICE RUNS AND ROUTES AND MAKE ADEQUATE ALLOWANCES FOR REMOVAL AND SUBSEQUENT REINSTATEMENT OF ALL SURFACES TO MATCH EXISTING.
- 8. WHERE CONCRETE SLABS AND/OR FOOTINGS ARE TO BE REMOVED, CONTRACTOR IS TO FAMILIARISE THEMSELVES WITH THE EXISTING CONDITION AND MAKE ALLOWANCE FOR REMOVAL OF ALL FOOTINGS, CONCRETE BLINDING AND ASSOCIATED IN GROUND STRUCTURAL ELEMENTS
- 9. CONTRACTOR TO NOTE EXTENTS OF DEMOLITION IS NOT LIMITED TO DEMOLITION DRAWINGS. CONTRACTOR TO CROSS REFER TO ALL DRAWINGS TO ESTABLISH FULL EXTENT OF DEMOLITION.

ELECTRICAL & LIGHTING LEGEND:

GENERAL NOTES:

- 1. REFER TO ELECTRICAL ENGINEER'S DOCUMENTATION FOR ALL LIGHTING AND ELECTRICAL SPECIFICATIONS INCLUDING SWITCHING
- 2. ELECTRICAL ENGINEERS DRAWINGS SHOW INDICATIVE LOCATION OF FIXTURES AND FITTINGS ONLY
- 3. CONFIRM SETTING OUT (BOTH HORIZONTAL AND VERTICAL FOR SUSPENDED FITTINGS) OF ALL LIGHT FITTINGS WITH ARCHITECT PRIOR TO INSTALLATION
- 4. CONFIRM ALL LIGHT SWITCH LOCATIONS WITH ARCHITECT PRIOR TO ROUGH IN
- 5. CONFIRM HANGING HEIGHT OF PENDANT FITTINGS WITH ARCHITECT PRIOR TO INSTALLATION

JOINERY LEGEND:

GENERAL NOTES:

- 1. REFER TO FINISHES SCHEDULE FOR ALL JOINERY FINISHES & FF&E SCHEDULE FOR ALL SANITARY FITTINGS. CROSS REFER TO HYDRAULIC ENGINEER'S DOCUMENTS
- 2. REFER TO H SERIES DRAWINGS FOR JOINERY ELEVATIONS AND DETAILS
- 3. ALL SETTING OUT TO BE AGREED WITH ARCHITECT PRIOR TO INSTALLATION
- 4. ALL INTERNAL CARCASSING AND SHELVING INSIDE CUPBOARD TO BE WHITE MELAMINE TO ALL FACES AND EDGES UNLESS NOTED OTHERWISE
- 5. WHERE RECESSED FINGER PULL OR SIMILAR TYPE DETAIL IS NOTED - PROVIDE CONTINUOUS BACKING PLATE TO MATCH FRONTS - NO GAPS TO BE VISIBLE
- 6. KICK BOARDS GENERALLY TO MATCH FRONTS UNLESS NOTED OTHERWISE
- 7. INTEGRATE GPOs AND LIGHT FITTINGS INTO JOINERY. CONFIRM COLOUR OF GPO PLATES MOUNTED TO JOINERY WITH ARCHITECT PRIOR TO FIT OFF
- 8. DRAWER RUNNERS, HINGES, SHELF LUGS, PUSH TO OPEN LATCHES AND THE LIKE TO BE HAFELE HEAVY DUTY STAINLESS STEEL OR EQUAL. ENSURE NUMBER OF HINGES AND WEIGHT CAPACITY OF RUNNERS IS SUITABLE FOR SIZE AND WEIGHT OF JOINERY UNIT.
- 9. ALL DRAWER RUNNERS TO BE SOFT CLOSE.
- 10. HINGES TO BAG STORE DOORS TO BE SOFT CLOSE TYPE
- 11. CONTRACTOR TO ENSURE THICKNESS OF SHELF IS SUFFICIENT FOR SPANS SHOWN

READ ALL JOINERY CODES IN CONJUNCTION WITH THE FINISHES SCHEDULE AND FF&E SCHEDULE

- ADJ ADJUSTABLE SHELF
- FX FIXED SHELF
- DR DRAWER
- PTO PUSH TO OPEN DOOR LATCH
- FP FIXED PANEL
- LP LIP PULL
- HA PULL HANDLE
- LK CUPBOARD LOCK

FINISHES LEGEND:

REFER TO FINISHES SCHEDULE 135-Z-01 & 135-Z-02 FOR DETAILED REQUIREMENTS

REINSTATEMENT OF SURFACES

- 1. WHERE NEW INGROUND SERVICES ARE SHOWN CONTRACTOR IS TO REINSTATE TO MATCH TO THE APPROVAL OF THE SUPERINTENDENT.
- 2. CONTRACTOR IS TO REFER TO ALL DOCUMENTATION TO DETERMINE THE EXTENTS OF SERVICE CONNECTIONS.

PREPARATION OF SURFACES TO RECEIVE NEW FINISHES

- 1. WHERE FINISHES ARE SPECIFIED CONTRACTOR IS TO ALLOW FOR SUITABLE PREPARATION AND SUBSTRATES, EVEN WHERE THESE ARE NOT SHOWN ON DRAWINGS. THIS IS INCLUDED BUT NOT LIMITED TO WET AREAS, INTERNAL ROOMS AND EXTERNAL FACADES.

LEGEND

- 250x250 EXHAUST GRILLE
- 300x300 EXHAUST FAN
- 350x350 RELIEF AIR
- 500x500 RELIEF AIR
- EXIT LIGHT
- EMERGENCY LIGHT
- SUSPENDED LED LIGHT
- MOTION DETECTOR
- 17W SURFACE MOUNTED LINEAR LIGHT
- 17W SUSPENDED LINEAR LIGHT
- 23W SURFACE MOUNTED LINEAR LIGHT
- 16W RECESSED DOWNLIGHT
- 22W SUSPENDED DOWNLIGHT
- 8W RECESSED DOWNLIGHT
- 22W RECESSED DOWNLIGHT
- NOTE: REFER TO ELECTRICAL & MECHANICAL ENGINEER'S DOCUMENTATION FOR SPECIFICATION
- HATCH DENOTES FULL HEIGHT ACOUSTIC WALLS TO UNDERSIDE OF ROOF SHEET. REFER DETAILS.

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ISSUE	DATE	REVISIONS
P1	30.04.2025	Cost Plan B
P2	03.07.2025	COST PLAN C

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

As indicated AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

GENERAL NOTES

DRAWING NUMBER	ISSUE
139-A-01	P2

Date: 12/08/2025

Job Ref: 364920

Refer to page 3, 'Action Summary'  
for compliance requirements.



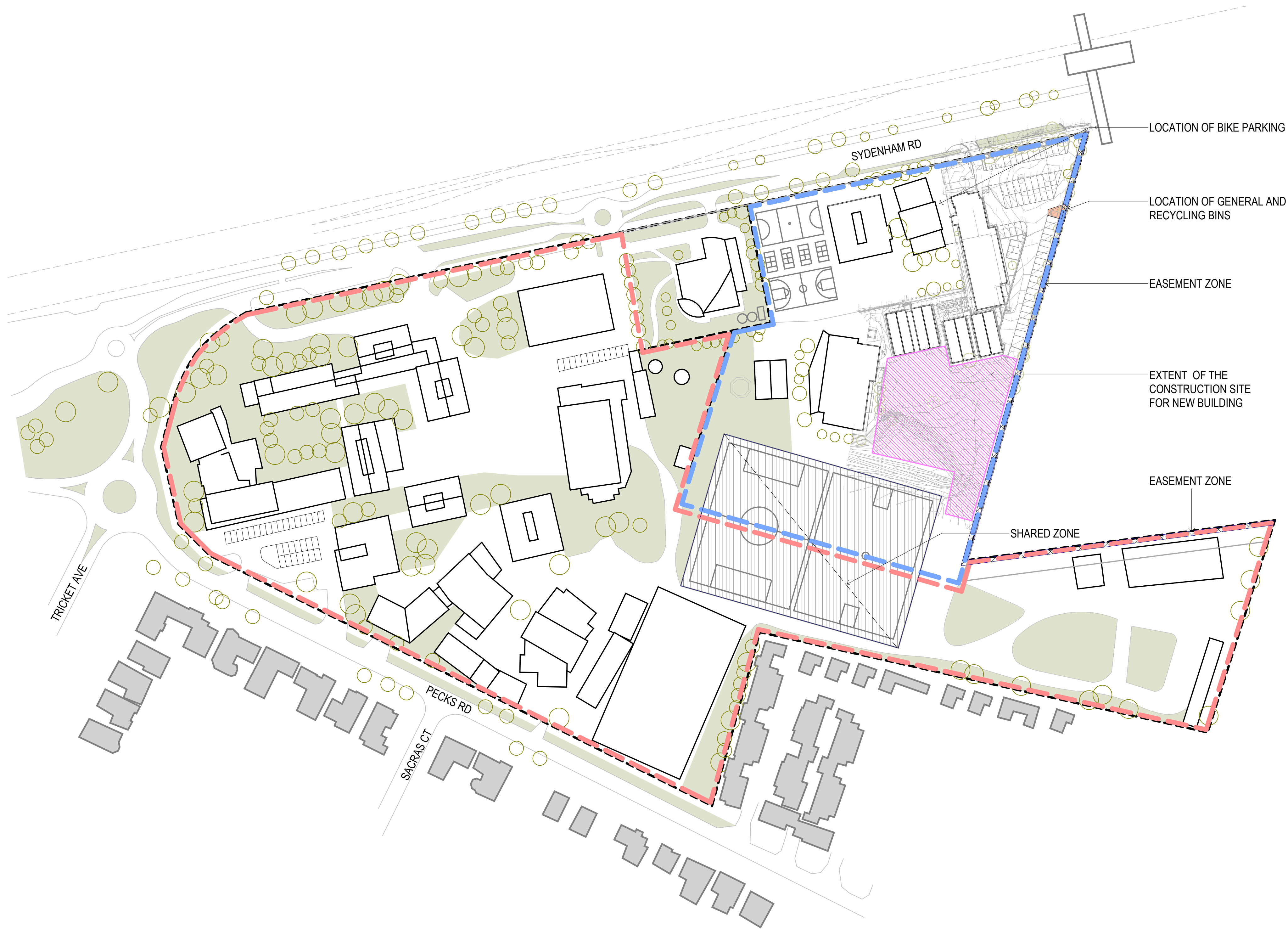
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ISSUE	DATE	REVISIONS
P1	13.05.2025	Town Planning
P2	02.06.2025	Town Planning
P3	03.07.2025	COST PLAN C



- TITLE BOUNDARY
- COLLEGE ZONE
- PRIMARY SCHOOL ZONE
- EXTENT OF THE CONSTRUCTION SITE FOR NEW BUILDING

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

1:1000 AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

TITLE SITE PLAN -  
EXISTING  
CONDITION

DRAWING NUMBER	ISSUE
139-A-02	P3

Date: 12/08/2025  
Job Ref: 364920

Refer to page 3, 'Action Summary'  
for compliance requirements.



*Jim Woolcock*  
BDAV Member - Jim Woolcock



TO BE DEMOLISHED

U/G ELECTRICITY MAIN

U/G PIPE

GAS MAIN

U/G TELECOM

WATER MAIN

DRAWING NUMBER	ISSUE
139-A-03	P3

*Jim Woolcock*  
BDAV Member - Jim Woolcock

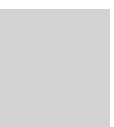



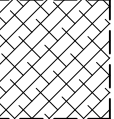


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ISSUE	DATE	REVISIONS
P1	13.05.2025	Town Planning
P2	02.06.2025	Town Planning
P3	03.07.2025	COST PLAN C

LEGEND

	EXISTING CONCRETE SURFACE
	NEW CONCRETE SURFACE
	NEW LANDSCAPE
	NEW GRAVEL SURFACE
	EASEMENT ZONE

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH  


GRAPHIC SCALE

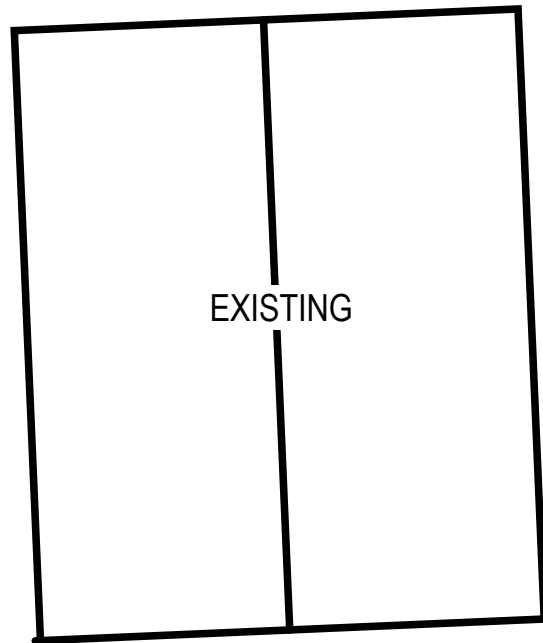
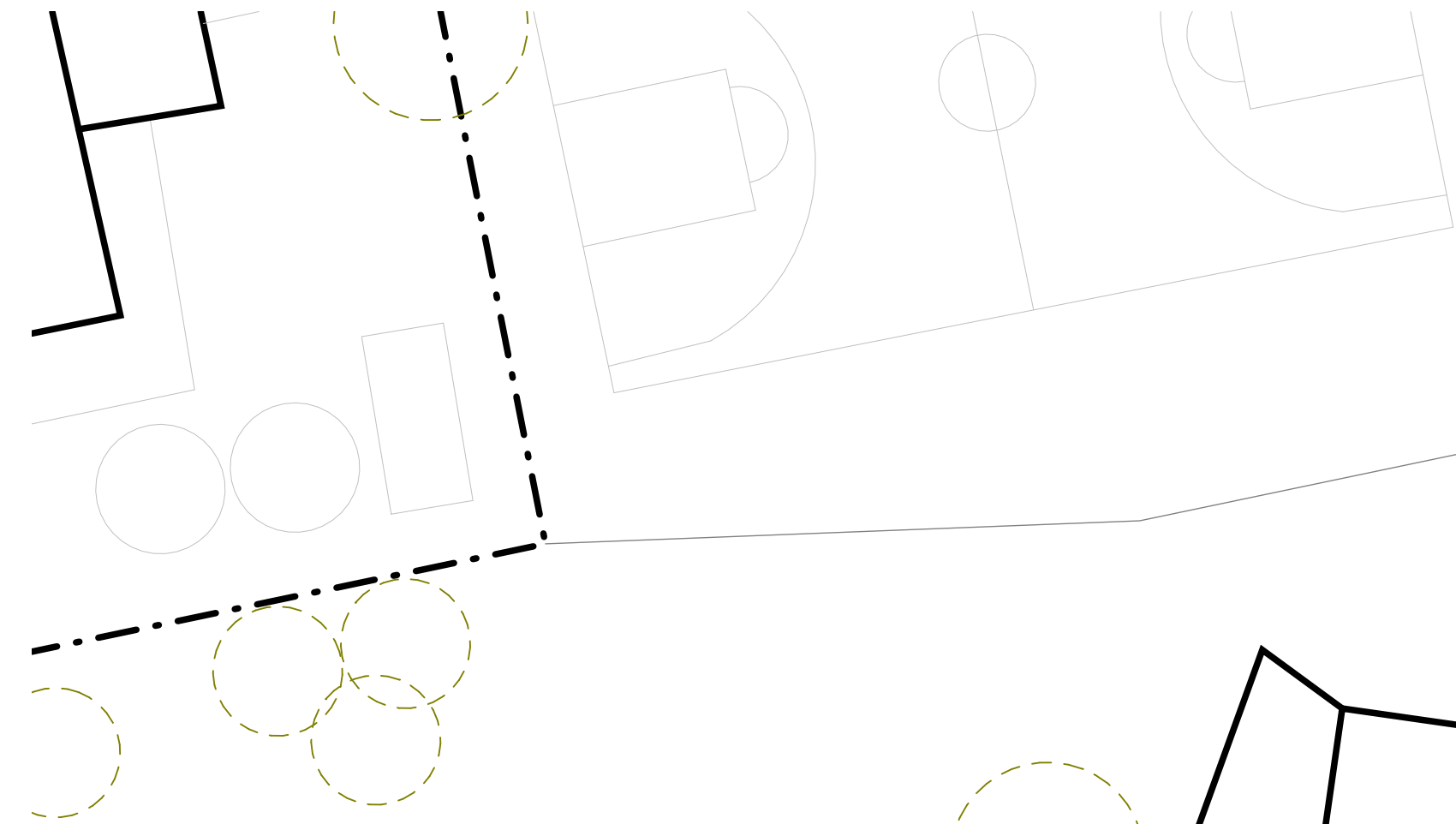
SCALE

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STATUS

PRELIMINARY  
DRAWING

SITE PLAN -  
PROPOSED

DRAWING NUMBER	ISSUE
139-A-04	P3



EXISTING

EXISTING  
PORTABLE

EXISTING  
PORTABLE

PROPOSED BUILDING

NEW  
SHED

Date: 12/08/2025  
Job Ref: 364920  
Refer to page 3, 'Action Summary'  
for compliance requirements.



*Jim Woolcock*  
BDAV Member - Jim Woolcock



## NOTES:

- The proposed development will incorporate energy-efficient lighting systems designed to comply with the requirements of the National Construction Code (NCC) Volume One – Section J (Energy Efficiency), Part J6 – Artificial Lighting and Power, as applicable to the building classification.
- The average lighting power density (LPD) for the development will not exceed the maximum allowable limits specified in Table J6.2a of the NCC.
- ALL new Landscape areas to implement water-efficient practices
- As part of our commitment to sustainable development and compliance with include the next relevant approach:
  - Use of Low VOC internal finishes including carpet, joinery and paint.
  - Natural ventilation to all learning spaces meeting NCC Requirements
- Light colour roof to comply with the low absorbance value <0.45
- The entire roof area will be served by a rainwater tank with the minimum capacity of 10000 L for toilet flushing purposes.

JV3 Assessed Area

ROOM Architects  
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www.roomarchitects.com.au

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ISSUE	DATE	REVISIONS
P1	13.05.2025	Town Planning

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

1:100 AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

GROUND FLOOR  
PLAN

DRAWING NUMBER  
139-B-01

ISSUE  
P1

Date: 12/08/2025  
Job Ref: 364920

Refer to page 3, 'Action Summary'  
for compliance requirements.



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BDAV Member - Jim Woolcock



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Date: 12/08/2025

Job Ref: 364920

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ISSUE	DATE	REVISIONS
P1	13.05.2025	Town Planning

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLSPROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDINGPROJECT NUMBER  
139PROJECT NORTH  

GRAPHIC SCALE

SCALE

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STATUSPRELIMINARY  
DRAWING

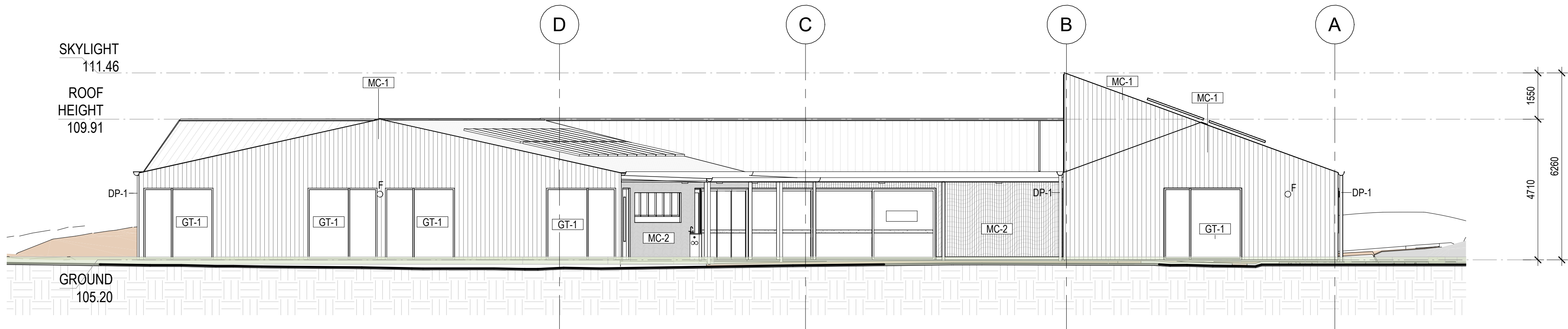
ROOF PLAN

DRAWING NUMBER  
139-B-02  
ISSUE  
P1

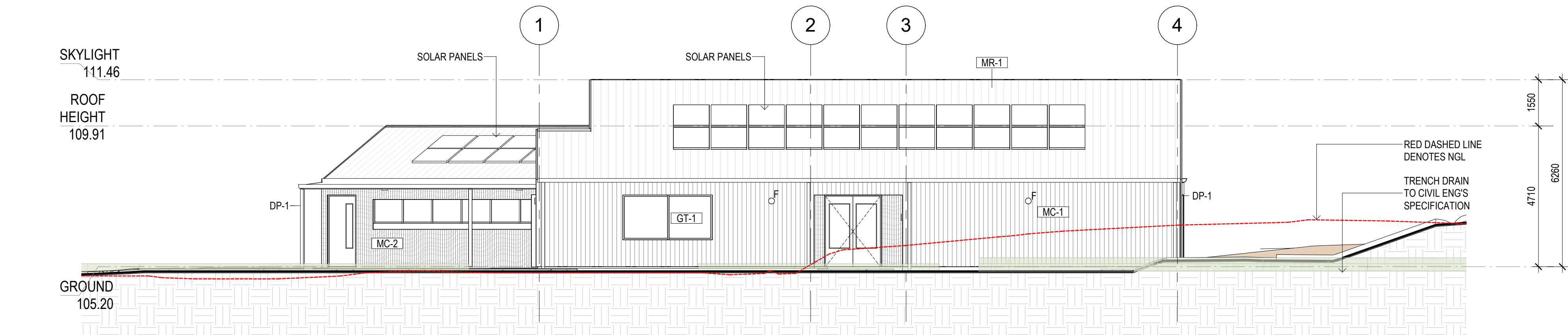


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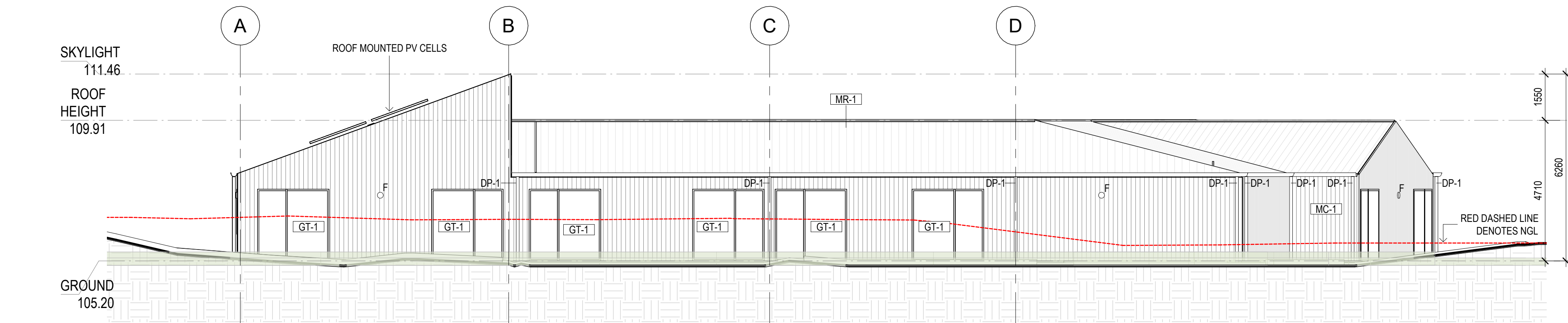
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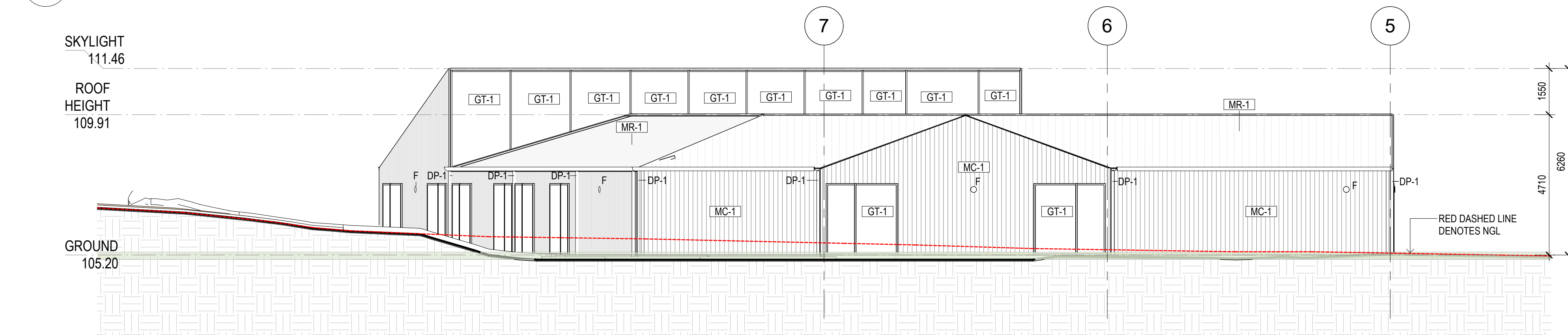
1 EAST ELEVATION  
SCALE 1 : 100



2 NORTH ELEVATION  
SCALE 1 : 100



3 WEST ELEVATION  
SCALE 1 : 100



4 SOUTH ELEVATION  
SCALE 1 : 100

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ISSUE	DATE	REVISIONS
P1	13.05.2025	Town Planning
P2	03.07.2025	COST PLAN C

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

1 : 100 AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

ELEVATIONS

DRAWING NUMBER	ISSUE
139-C-01	P2

Date: 12/08/2025  
Job Ref: 364920

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ISSUE	DATE	REVISIONS
P1	13.05.2025	Town Planning
P2	03.07.2025	COST PLAN C



Date: 12/08/2025

Job Ref: 364920

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CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

AT A1 DO NOT SCALE

STATUS

PRELIMINARY  
DRAWING

ELEVATIONS  
EXTERNAL VIEWS

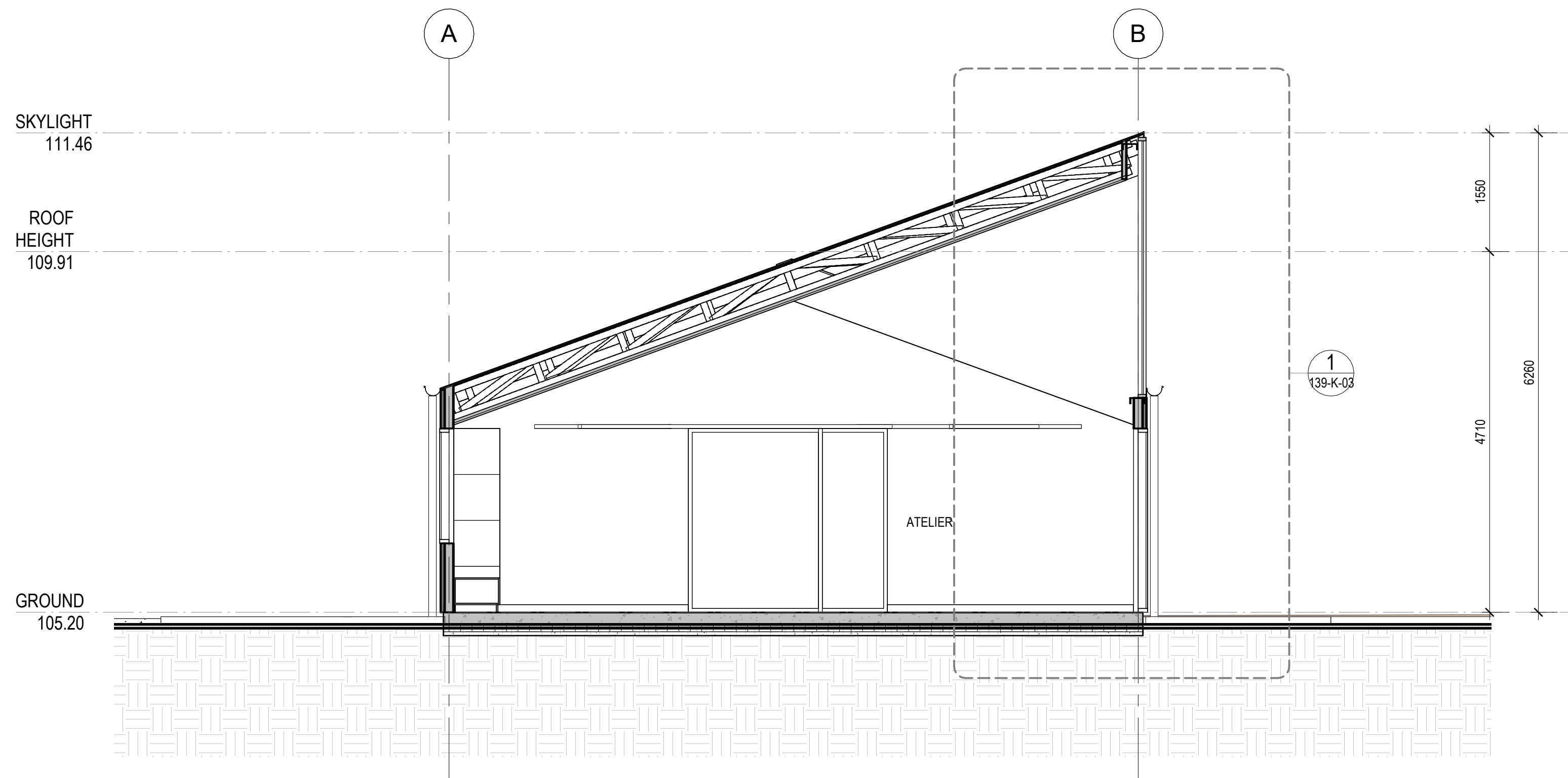
DRAWING NUMBER	ISSUE
139-C-02	P2



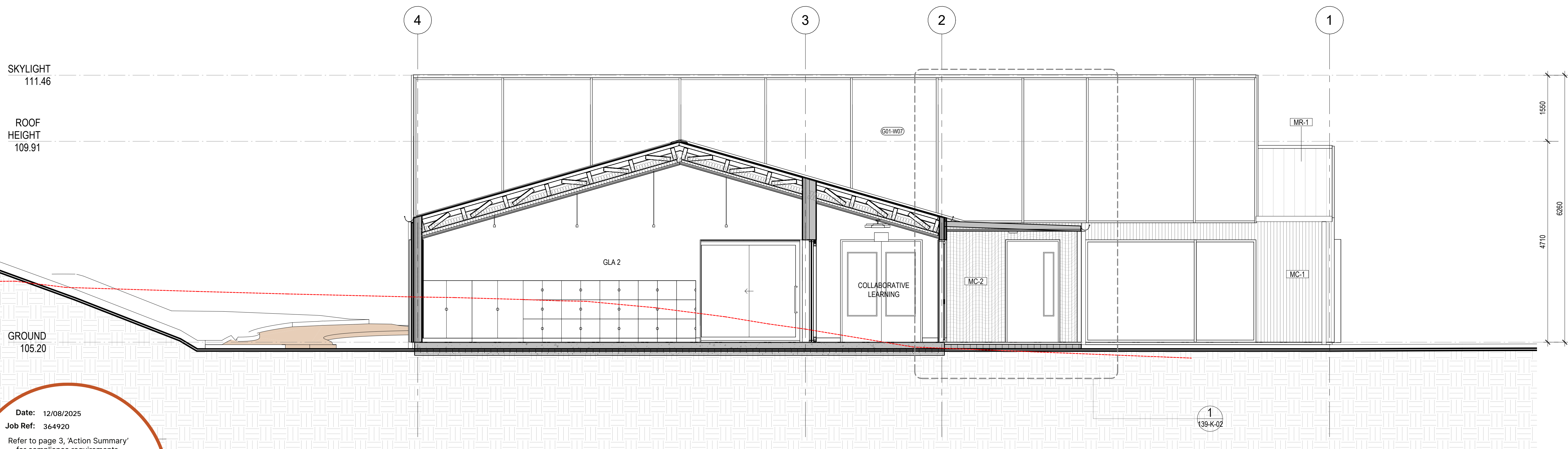
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ISSUE	DATE	REVISIONS
P1	30.04.2025	Cost Plan B
P2	03.07.2025	COST PLAN C



3 SECTION AA  
SCALE 1:50



Date: 12/08/2025  
Job Ref: 364920  
Refer to page 3, 'Action Summary'  
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CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

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STATUS

PRELIMINARY  
DRAWING

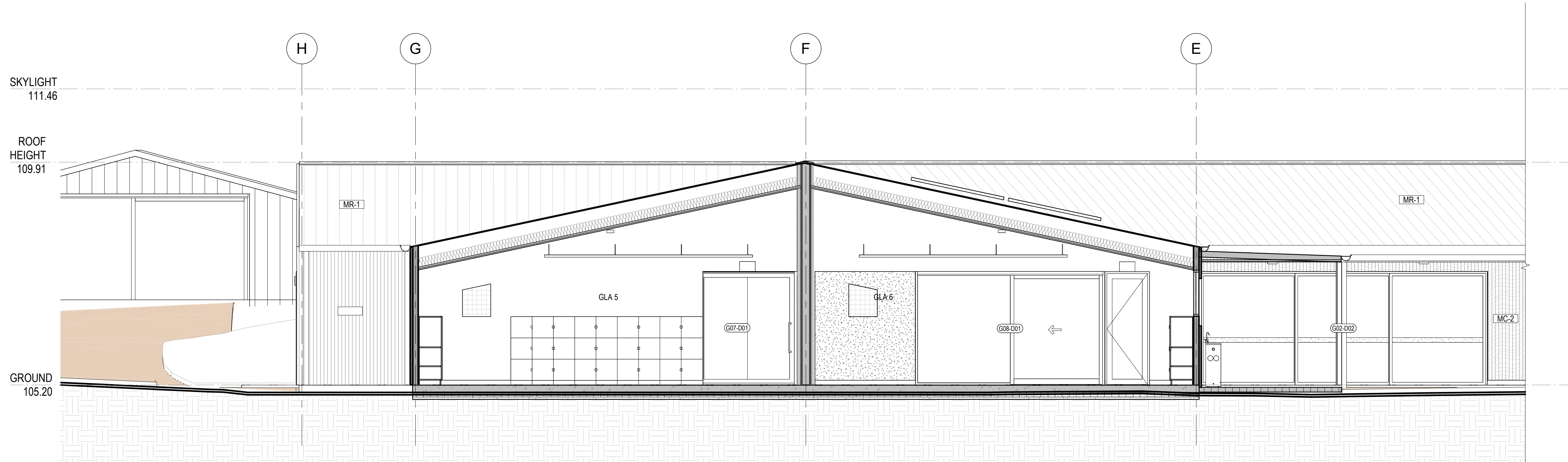
SECTIONS 01

DRAWING NUMBER	ISSUE
139-D-01	P2

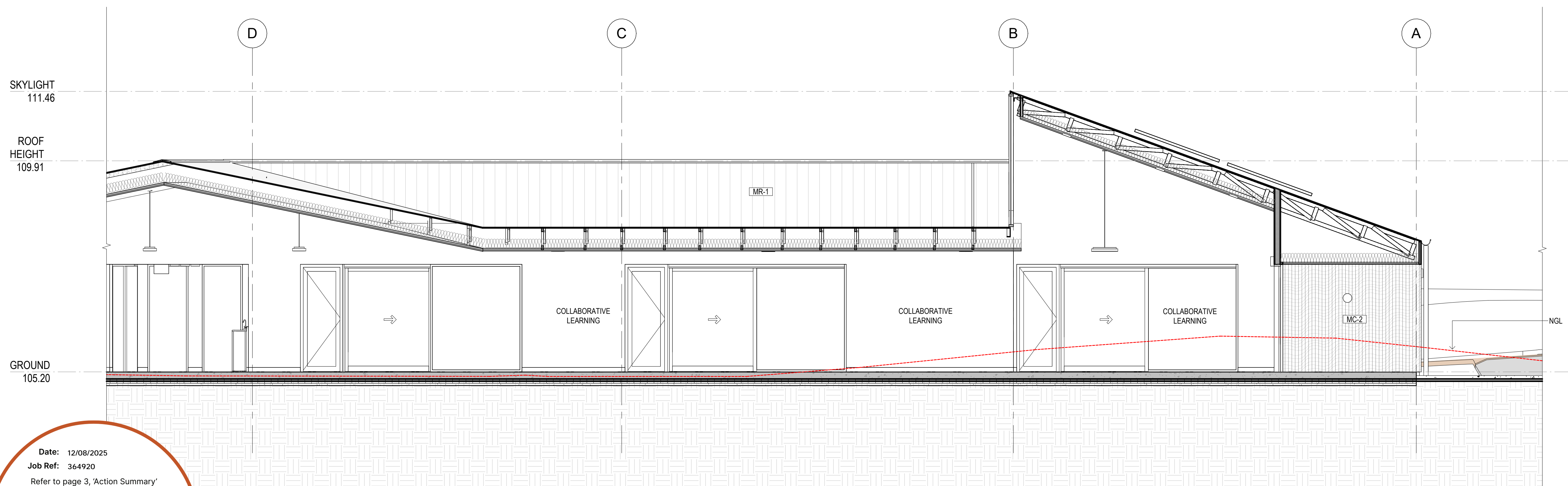
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ISSUE	DATE	REVISIONS
P1	30.04.2025	Cost Plan B
P2	03.07.2025	COST PLAN C



1 SECTION CC  
SCALE 1:50



Date: 12/08/2025  
Job Ref: 364920  
Refer to page 3, 'Action Summary'  
for compliance requirements.



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CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

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STATUS

PRELIMINARY  
DRAWING

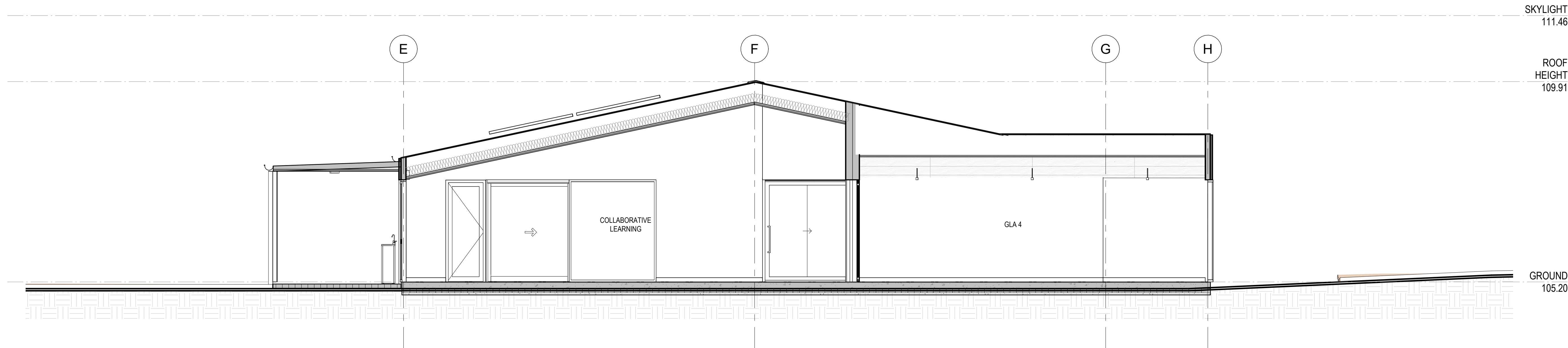
SECTIONS 02

DRAWING NUMBER  
139-D-02  
ISSUE  
P2

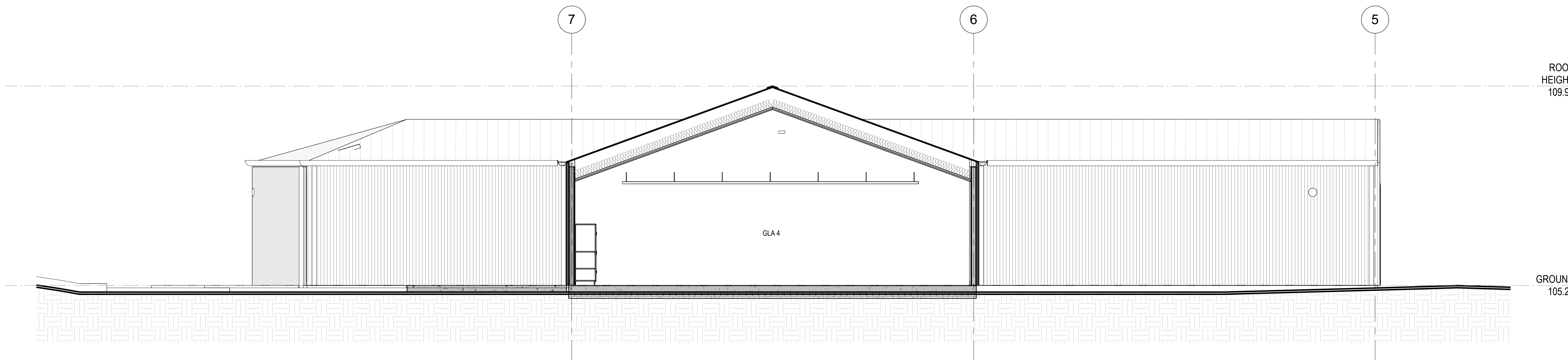
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ISSUE	DATE	REVISIONS
P1	30.04.2025	Cost Plan B
P2	03.07.2025	COST PLAN C



1 SECTION EE  
SCALE 1:50



SECTION FF  
SCALE 1:50

Date: 12/08/2025  
Job Ref: 364920

Refer to page 3, 'Action Summary'  
for compliance requirements.



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CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

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STATUS

PRELIMINARY  
DRAWING

SECTIONS 03

DRAWING NUMBER  
139-D-03

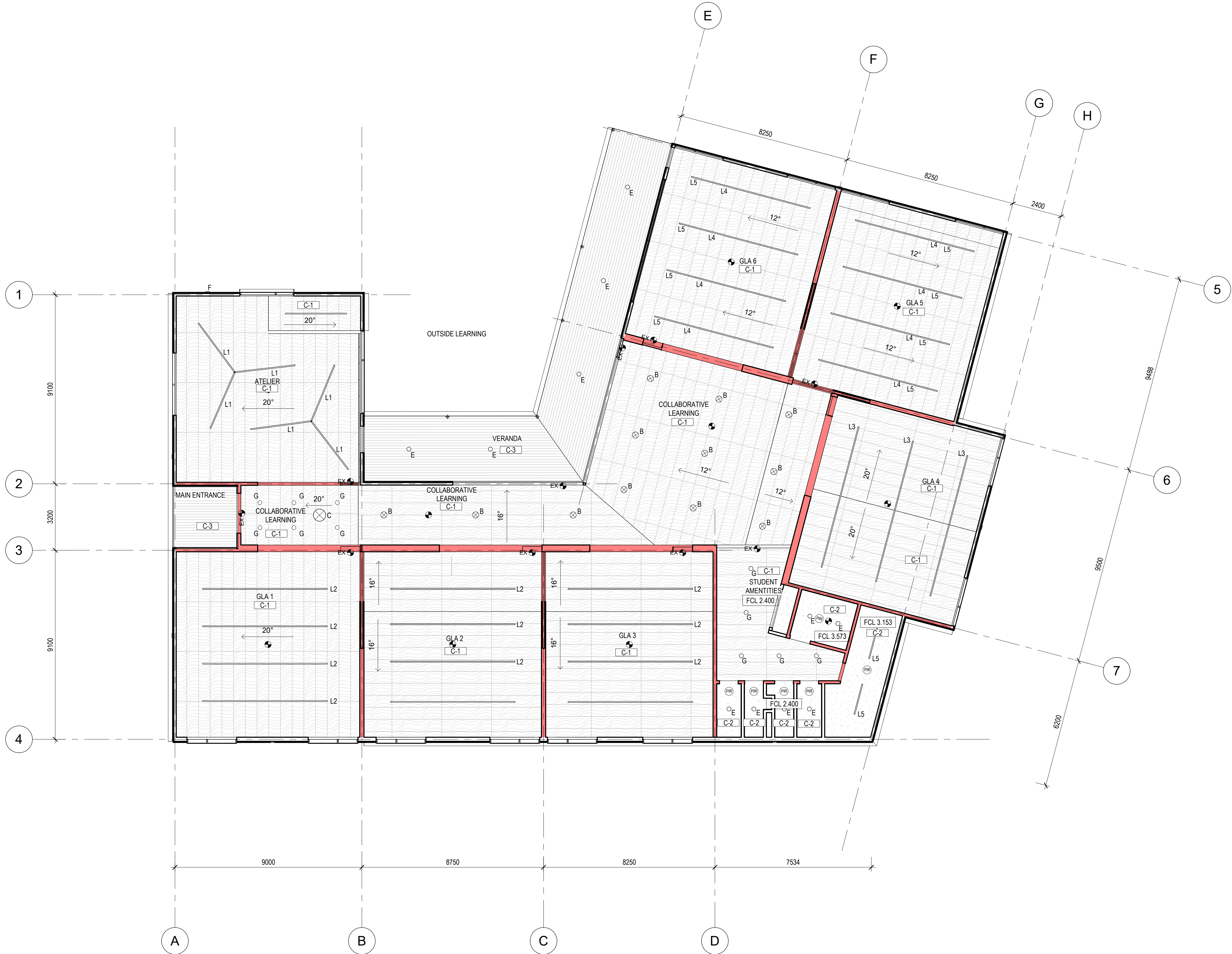
ISSUE  
P2



LEGEND

- C 250x250 EXHAUST GRILLE
- EF 300x300 EXHAUST FAN
- A 350x350 RELIEF AIR
- RA 500x500 RELIEF AIR
- EX ● EXIT LIGHT
- EMERGENCY LIGHT
- ⊗ SUSPENDED LED LIGHT
- Ⓜ MOTION DETECTOR
- L1 17W SURFACE MOUNTED LINEAR LIGHT
- L2 17W SUSPENDED LINEAR LIGHT
- L3 23W SURFACE MOUNTED LINEAR LIGHT
- C 16W RECESSED DOWNLIGHT
- D 22W SUSPENDED DOWNLIGHT
- E 8W RECESSED DOWNLIGHT
- F 22W RECESSED DOWNLIGHT
- NOTE: REFER TO ELECTRICAL & MECHANICAL ENGINEERS' DOCUMENTATION FOR SPECIFICATION

HATCH DENOTES FULL HEIGHT ACOUSTIC WALLS TO UNDERSIDE OF ROOF SHEET. REFER DETAILS.



Date: 12/08/2025  
Job Ref: 364920  
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Jim Woolcock  
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139-E-01\_PROPOSED RCP  
SCALE 1 : 100

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ISSUE	DATE	REVISIONS
P1	30.04.2025	Cost Plan B
P2	03.07.2025	COST PLAN C

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

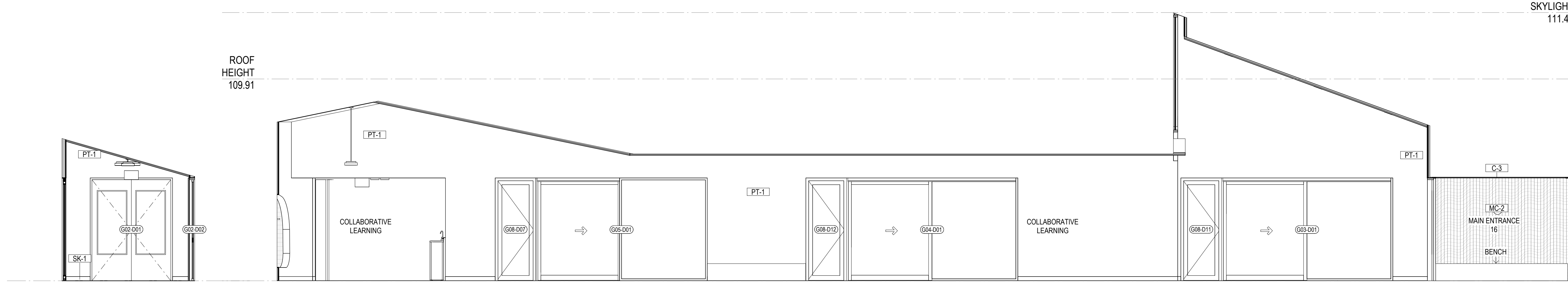
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STATUS

PRELIMINARY  
DRAWING

REFLECTED  
CEILING PLAN  
GROUND FLOOR

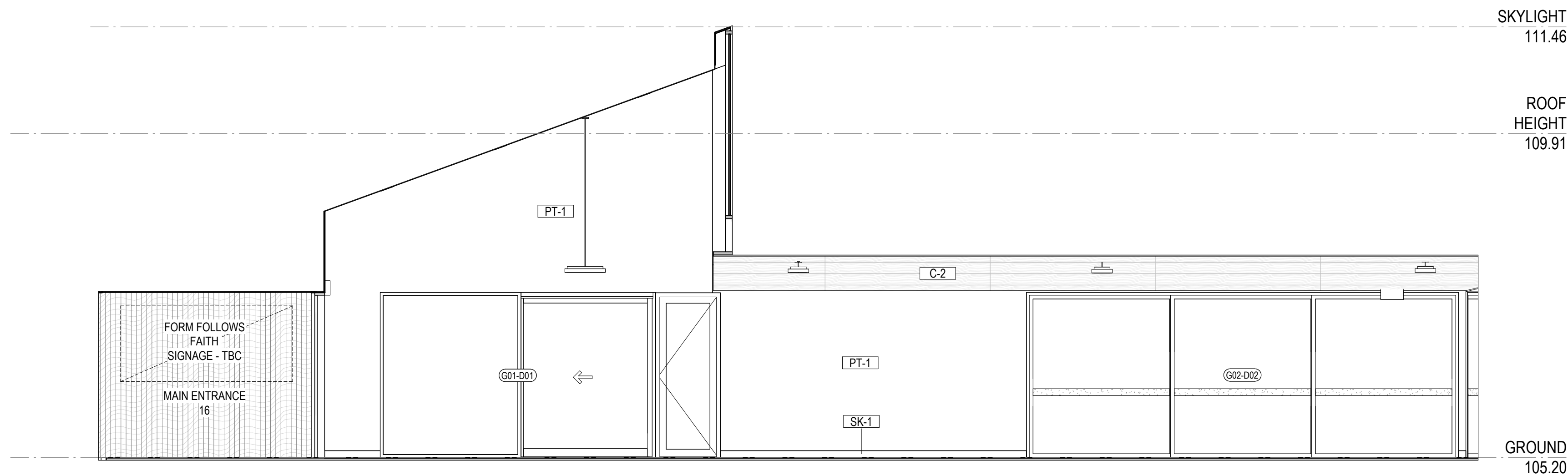
DRAWING NUMBER	ISSUE
139-E-01	P2



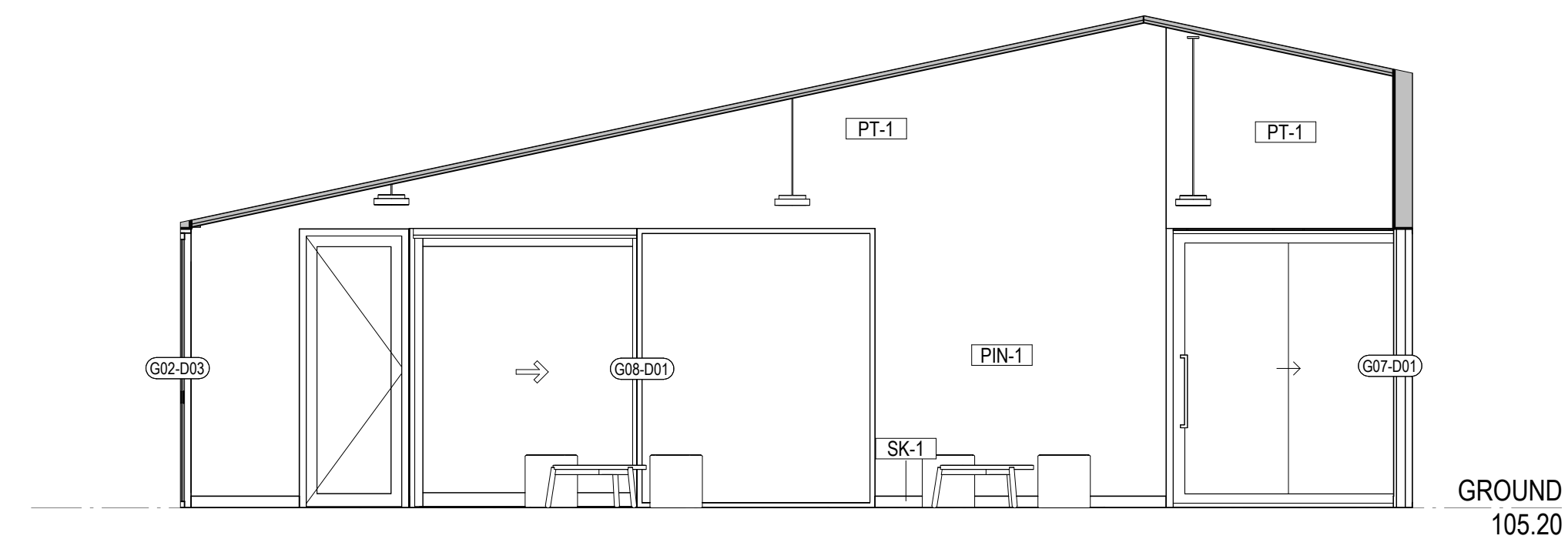


1 COLLABORATIVE LEARNING NORTH 01  
SCALE 1:50

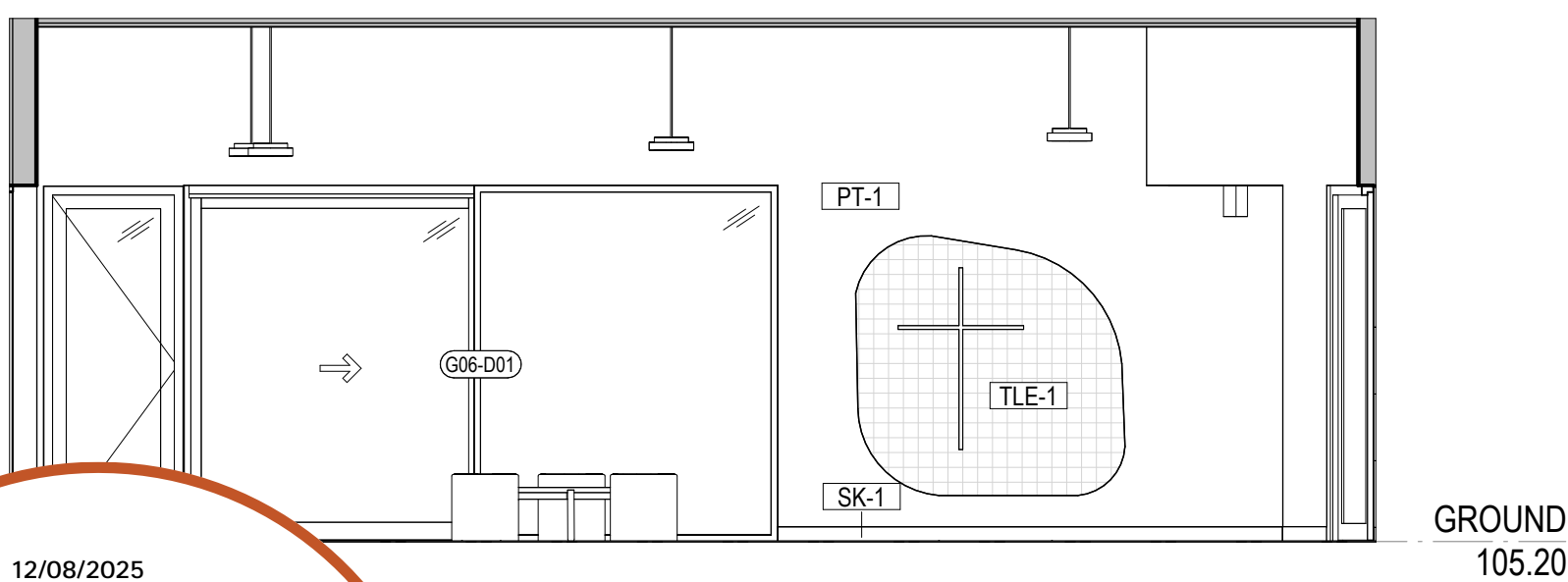
2 COLLABORATIVE LEARNING WEST  
SCALE 1:50



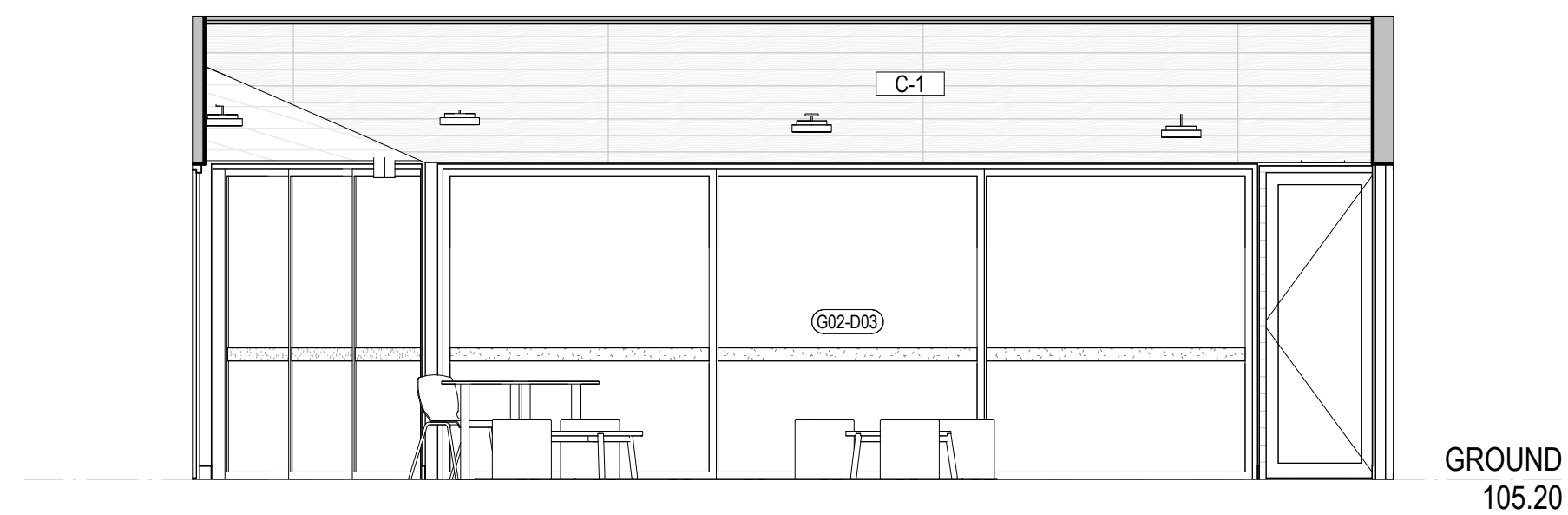
3 COLLABORATIVE LEARNING EAST  
SCALE 1:50



4 COLLABORATIVE LEARNING EAST 02  
SCALE 1:50



5 COLLABORATIVE LEARNING SOUTH  
SCALE 1:50



6 COLLABORTIVE LEARNING NORTH 02  
SCALE 1:50

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH  
GRAPHIC SCALE

SCALE  
1:50 AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

COLLABORATIVE  
LEARNING

DRAWING NUMBER  
139-G-01  
ISSUE  
P1

SKYLIGHT  
111.46

ROOF  
HEIGHT  
109.91

GROUND  
105.20

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ISSUE	DATE	REVISIONS
P1	03.07.2025	COST PLAN C

Date: 12/08/2025  
Job Ref: 364920  
Refer to page 3, 'Action Summary'  
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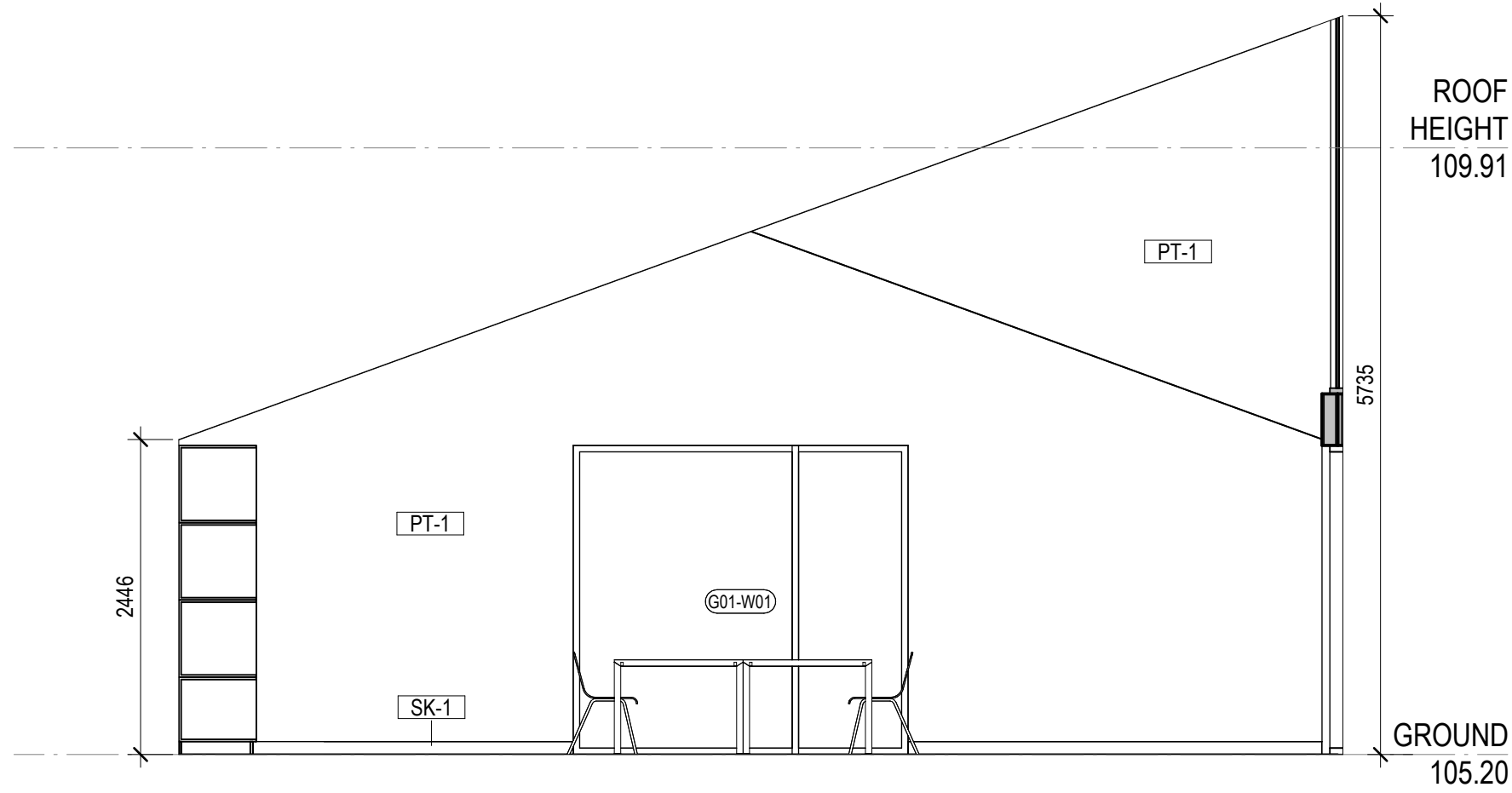


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BDAV Member - Jim Woolcock

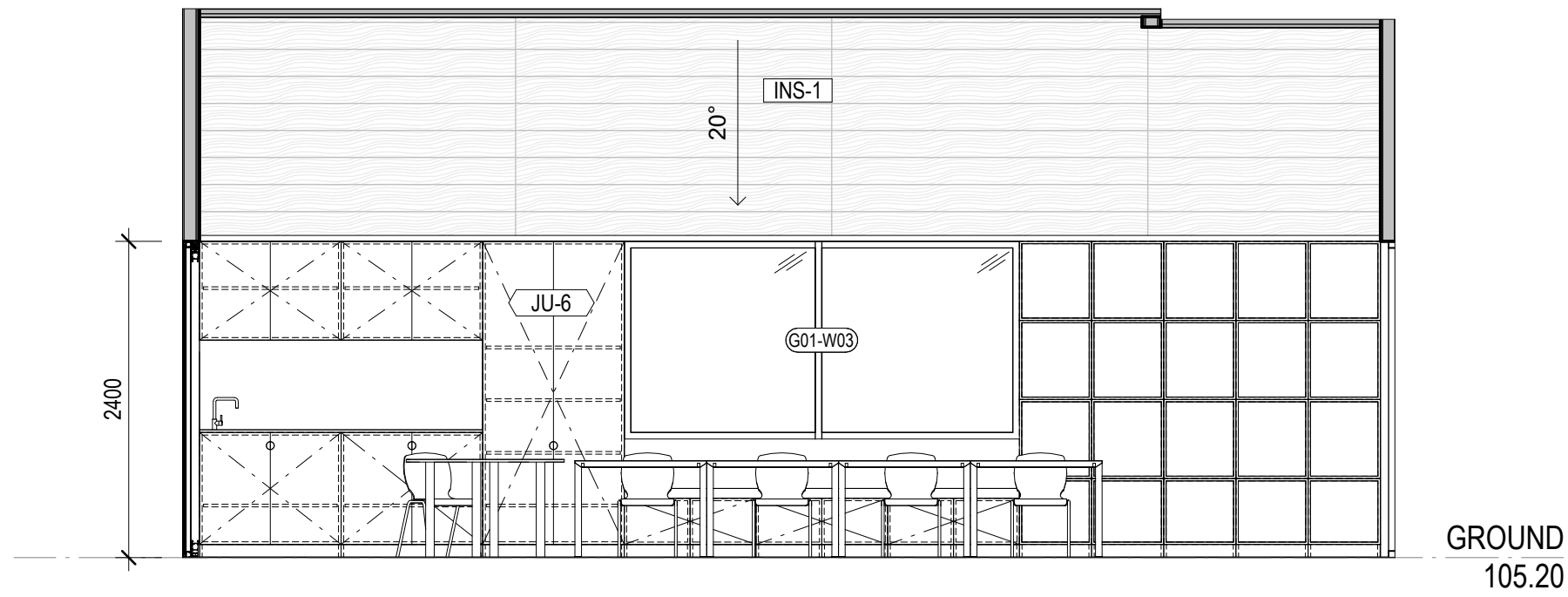
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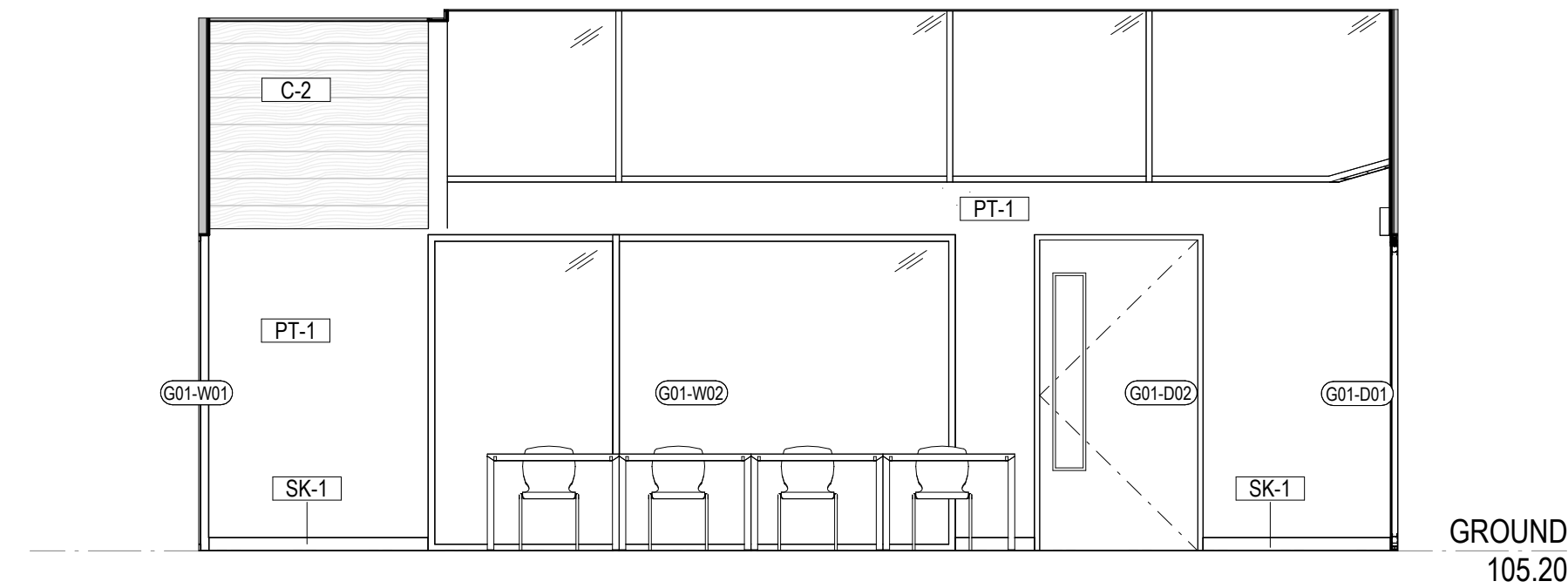
ISSUE	DATE	REVISIONS
P1	03.07.2025	COST PLAN C



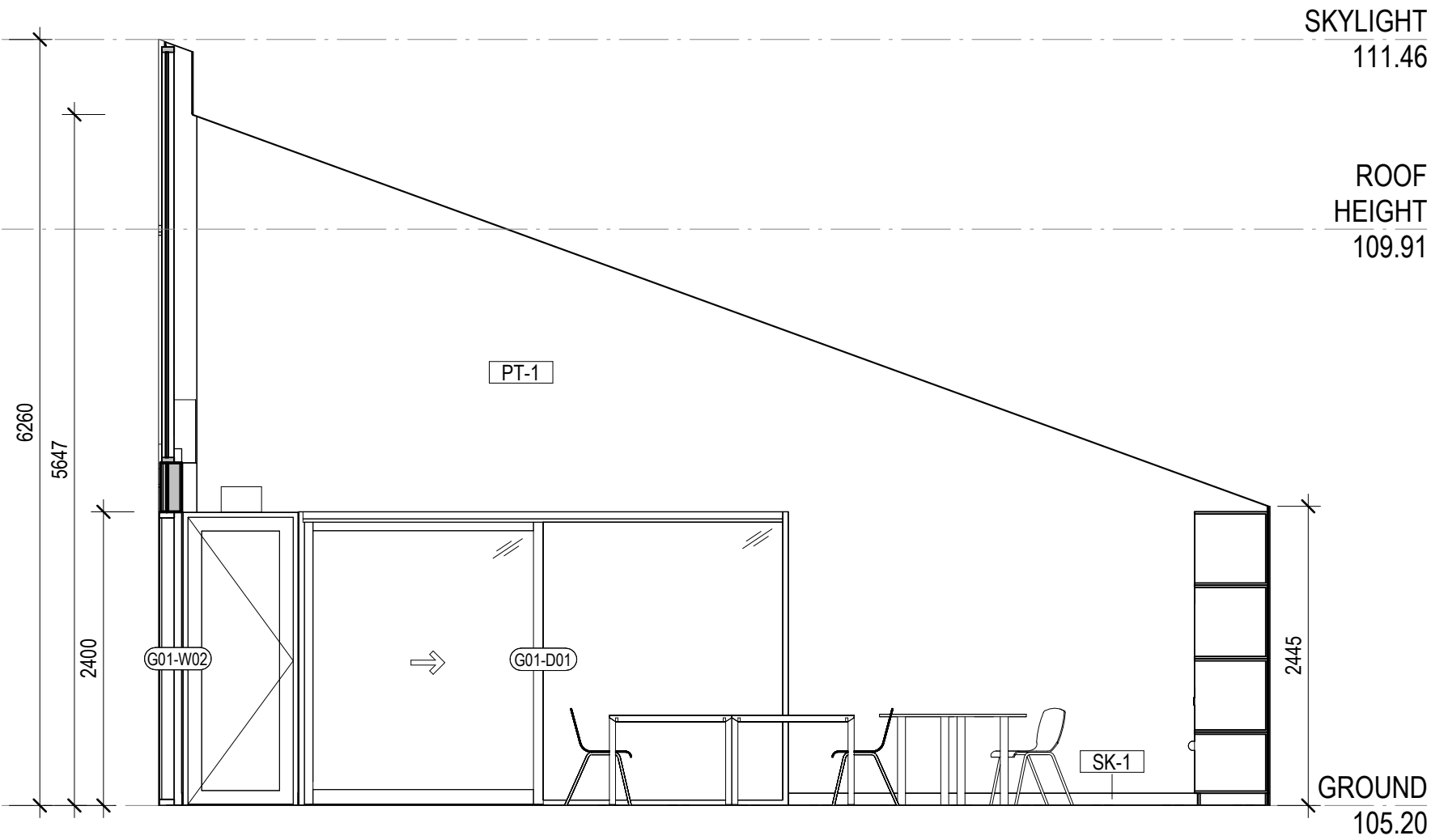
1 ATELIER EAST  
SCALE 1 : 50



2 ATELIER NORTH  
SCALE 1 : 50



3 ATELIER SOUTH  
SCALE 1 : 50



4 ATELIER WEST  
SCALE 1 : 50

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH  
GRAPHIC SCALE

SCALE

1 : 50 AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

ATELIER

DRAWING NUMBER  
139-G-02  
ISSUE  
P1

Date: 12/08/2025  
Job Ref: 364920

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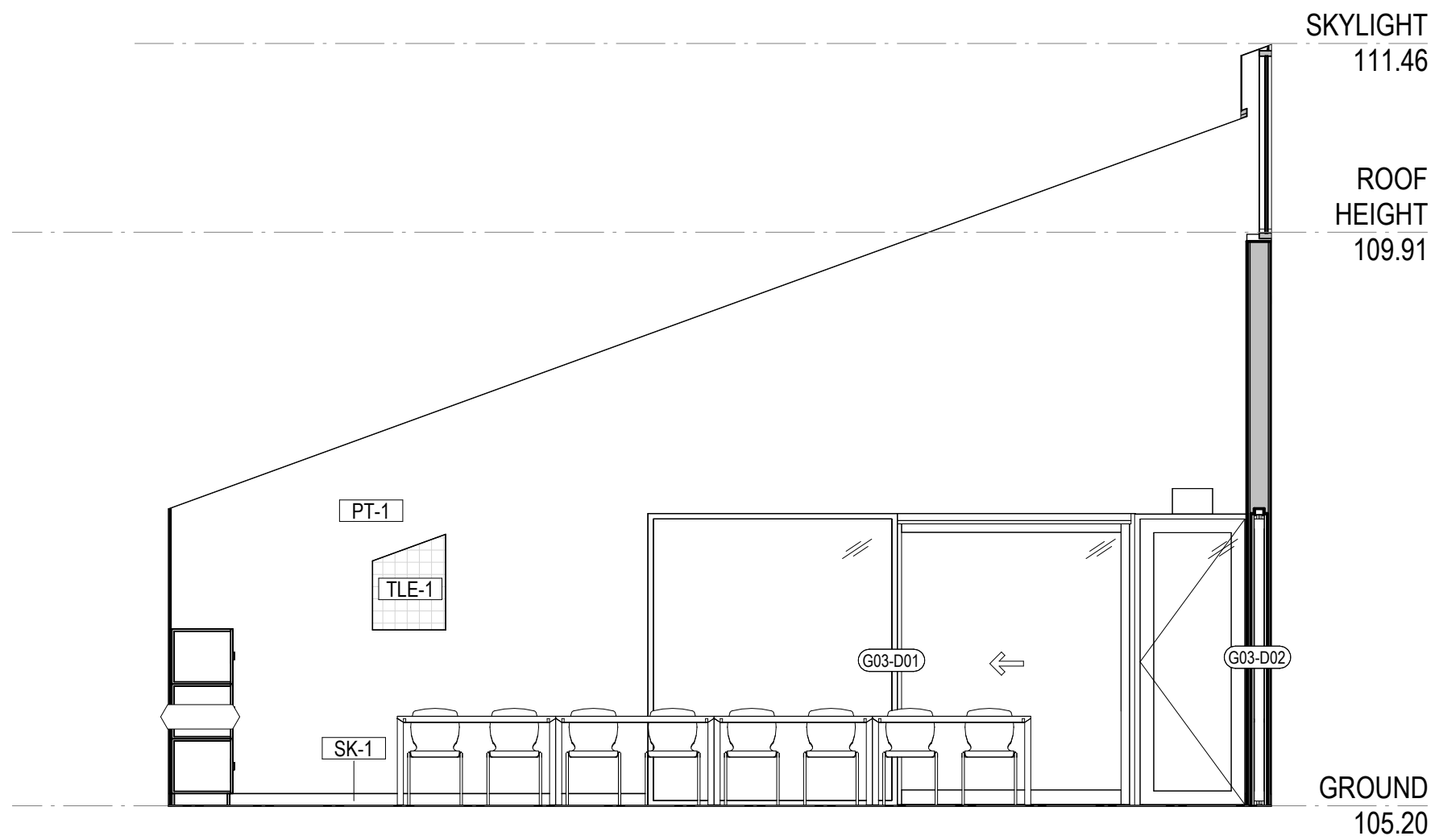
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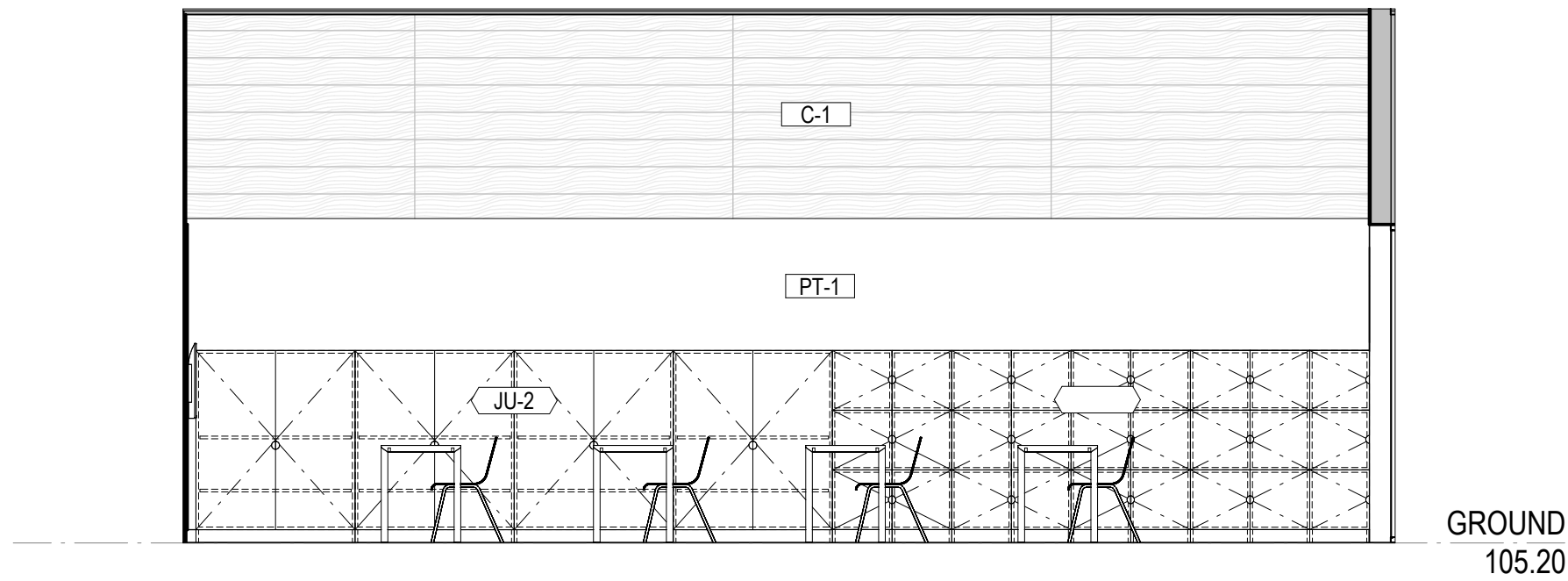
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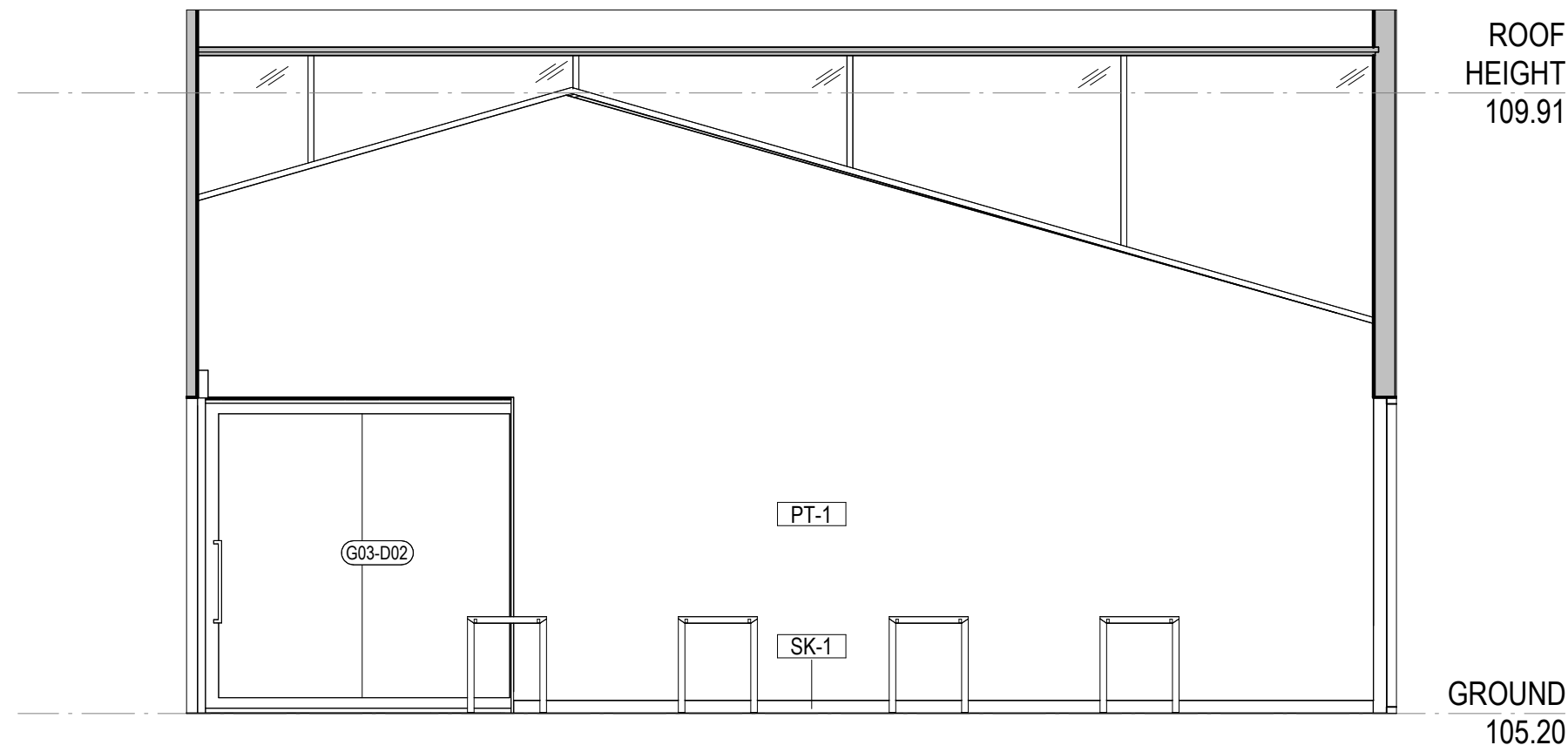
ISSUE	DATE	REVISIONS
P1	03.07.2025	COST PLAN C



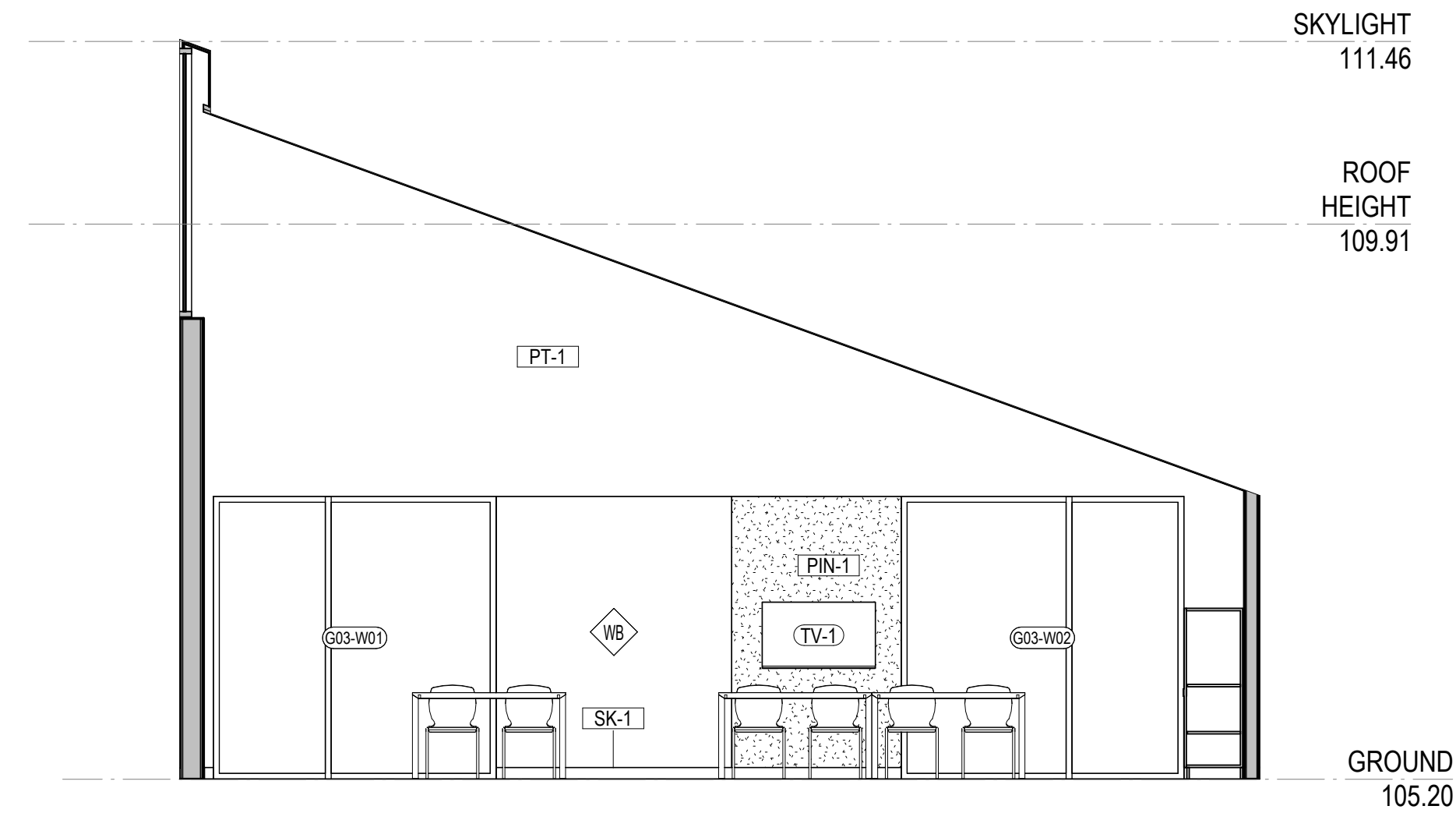
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SCALE 1:50



2 GLA 1 NORTH  
SCALE 1:50



3 GLA 1 SOUTH  
SCALE 1:50



4 GLA 1 WEST  
SCALE 1:50

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH  
GRAPHIC SCALE

SCALE

1:50 AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

GLA 1

DRAWING NUMBER  
139-G-03  
ISSUE  
P1

Date: 12/08/2025  
Job Ref: 364920

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for compliance requirements.

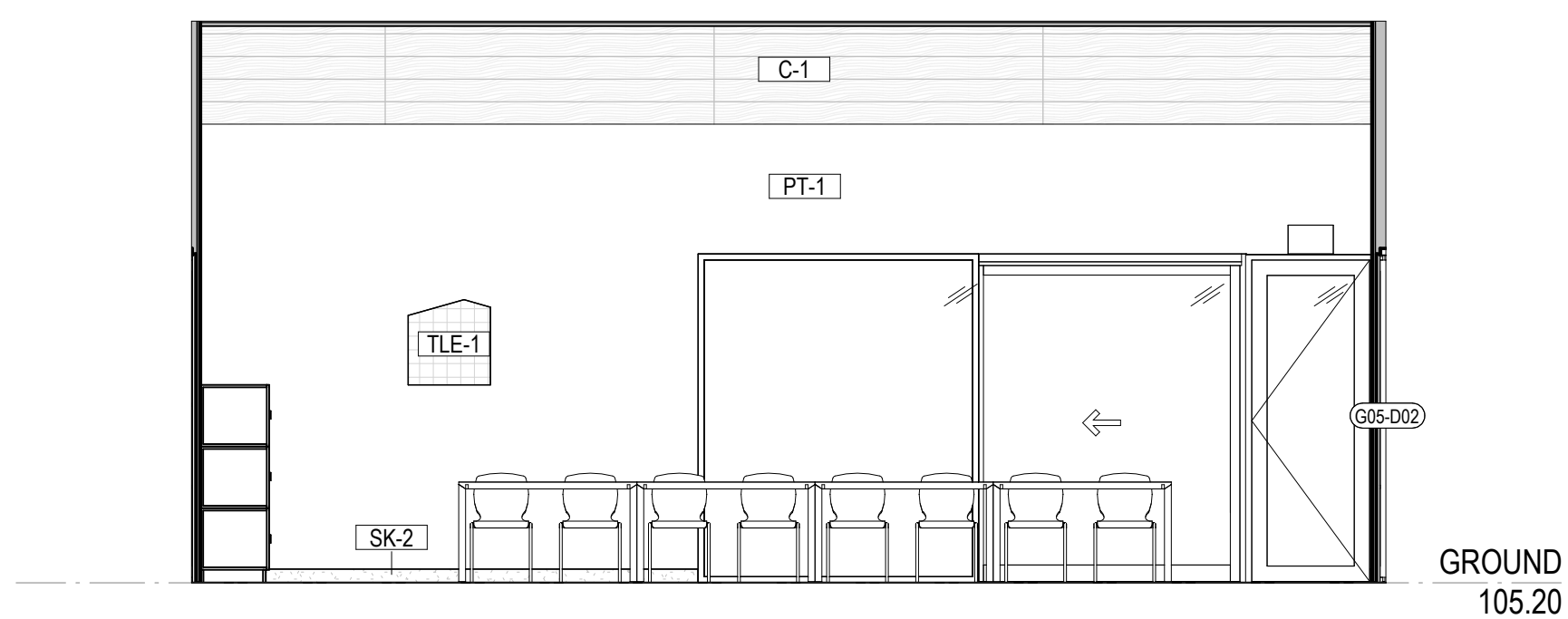
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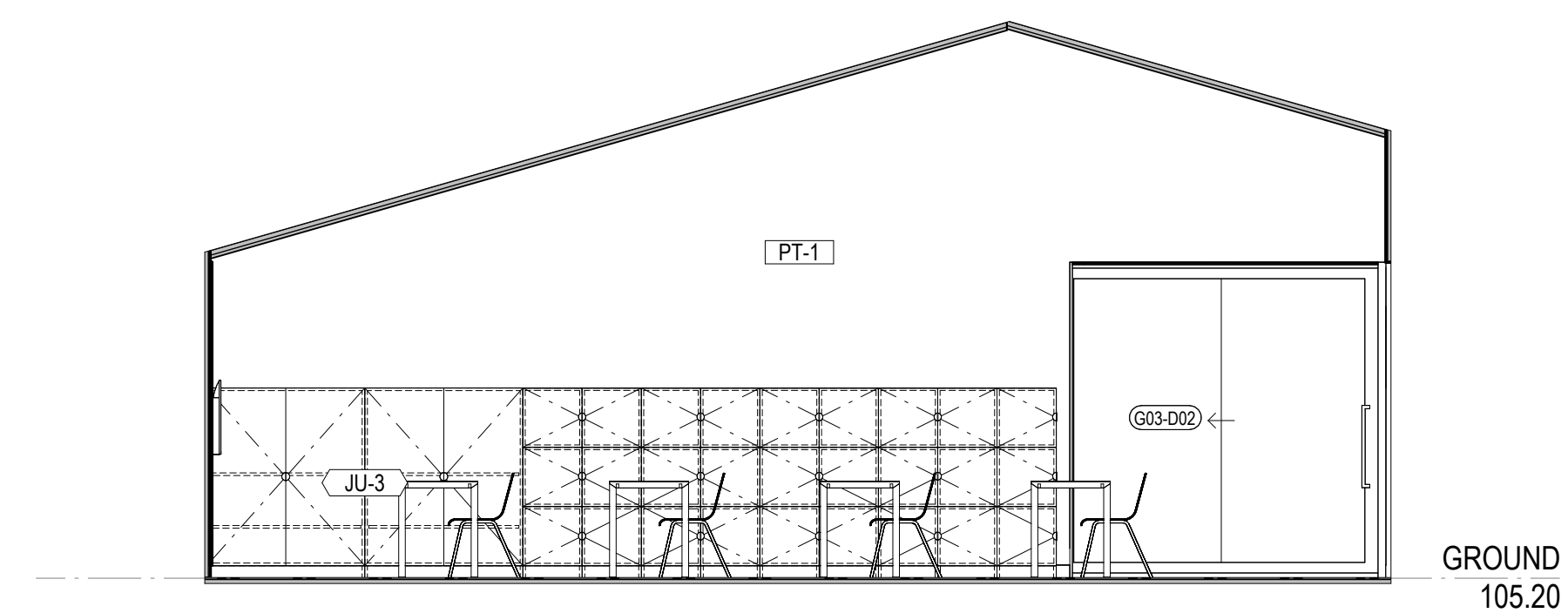
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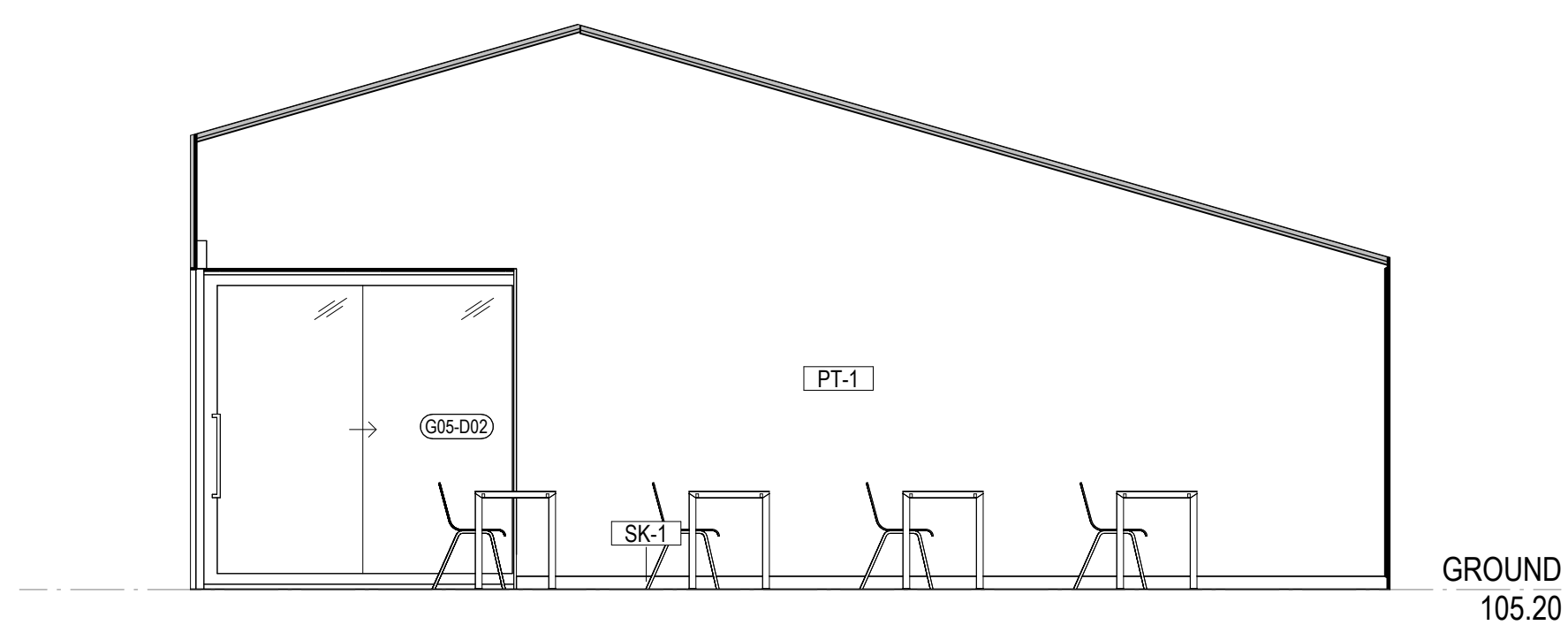
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P1	03.07.2025	COST PLAN C



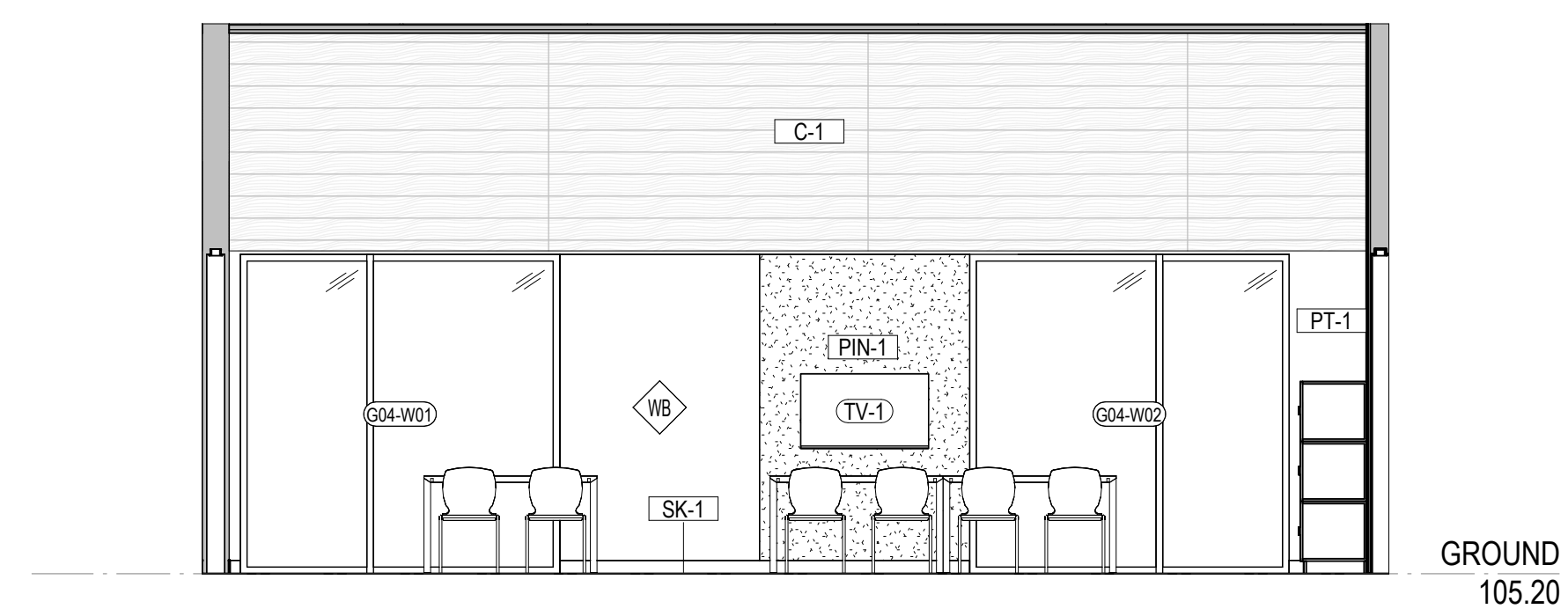
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SCALE 1 : 50



2 **GLA 2 NORTH**  
SCALE 1 : 50



3 **GLA 2 SOUTH**  
SCALE 1 : 50



4 **GLA 2 WEST**  
SCALE 1 : 50

Date: 12/08/2025  
Job Ref: 364920

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CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH



GRAPHIC SCALE

SCALE

1:50	AT A1	DO NOT SCALE
STATUS		

PRELIMINARY  
DRAWING

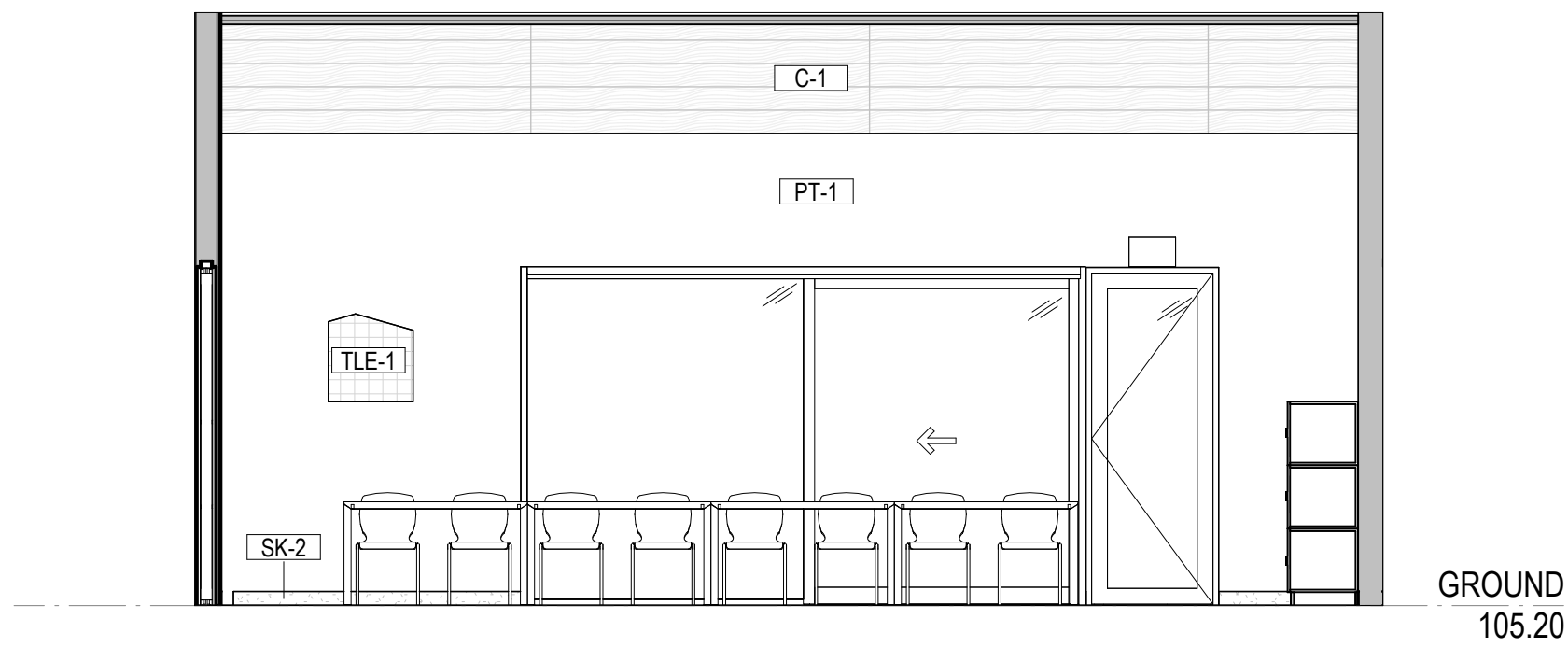
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DRAWING NUMBER	ISSUE
139-G-04	P1

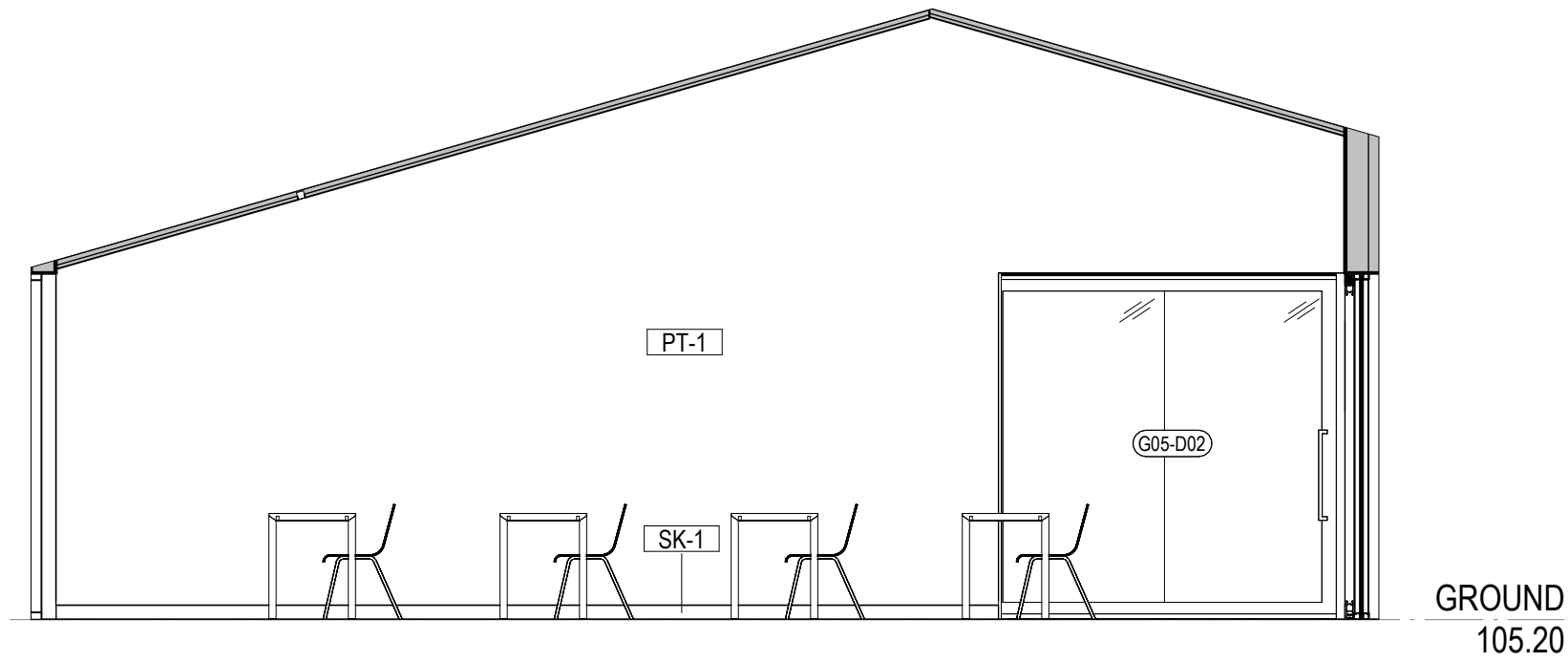
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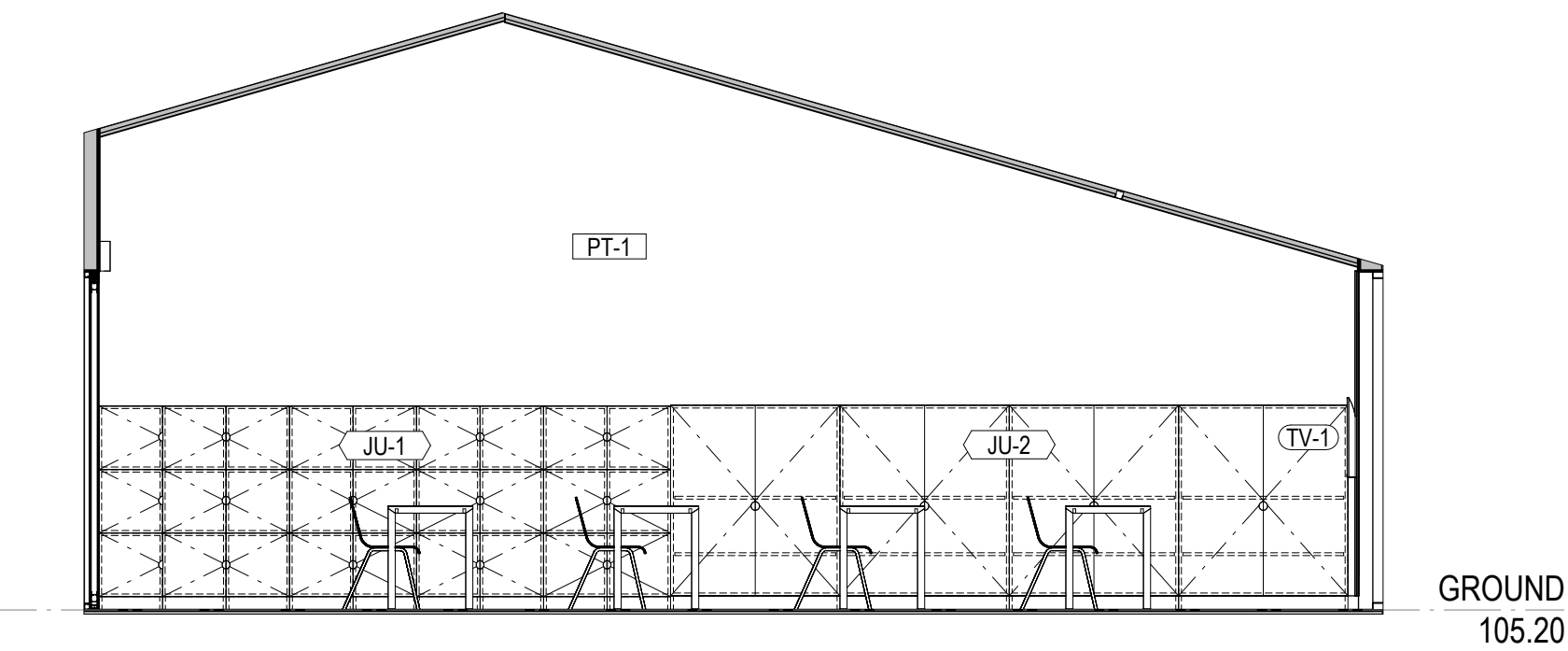
ISSUE	DATE	REVISIONS
P1	03.07.2025	COST PLAN C



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SCALE 1 : 50



2 **GLA 3 NORTH**  
SCALE 1 : 50



3 **GLA 3 SOUTH**  
SCALE 1 : 50



4 **GLA 3 WEST**  
SCALE 1 : 50

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH



GRAPHIC SCALE

SCALE

1 : 50 AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

GLA 3

DRAWING NUMBER	ISSUE
139-G-05	P1

Date: 12/08/2025  
Job Ref: 364920

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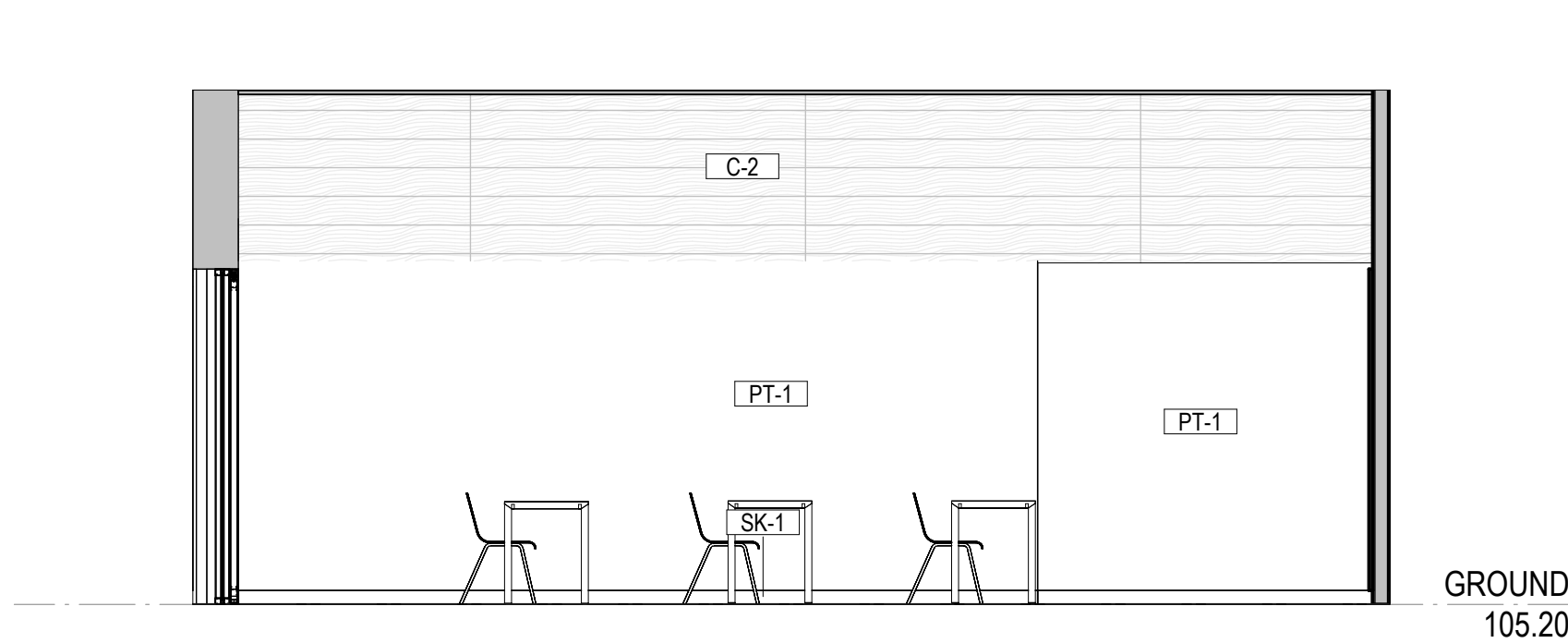


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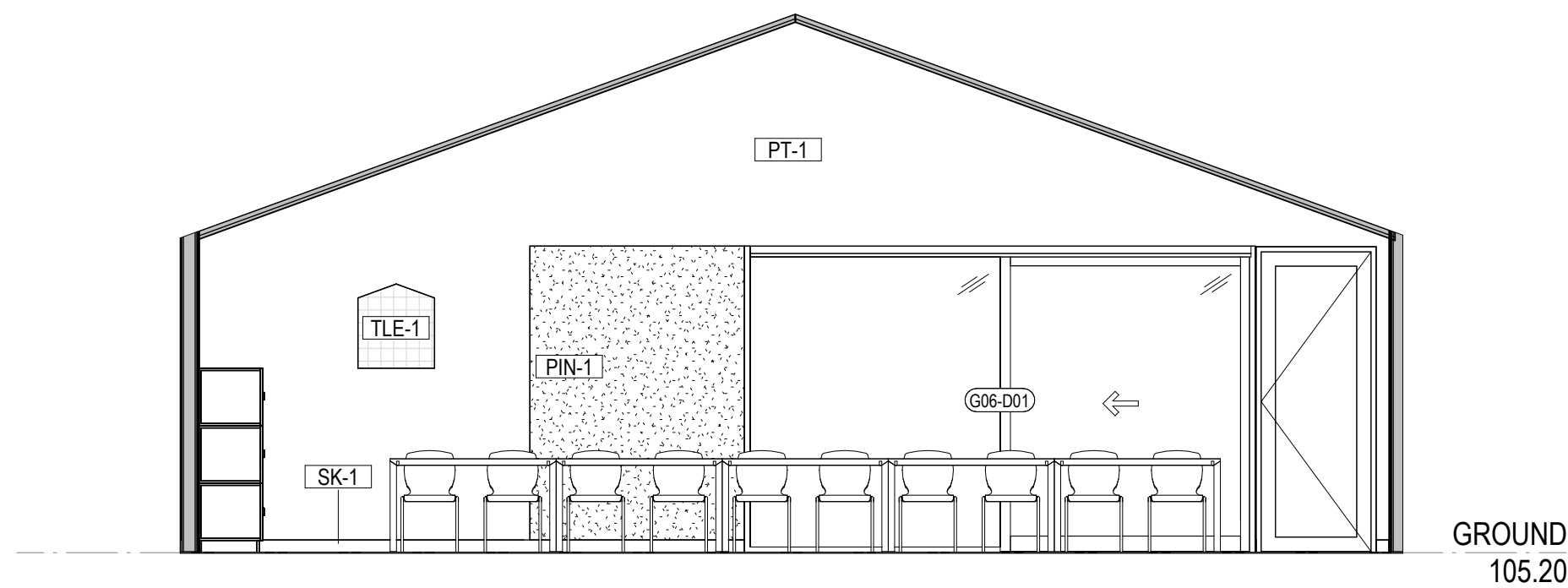
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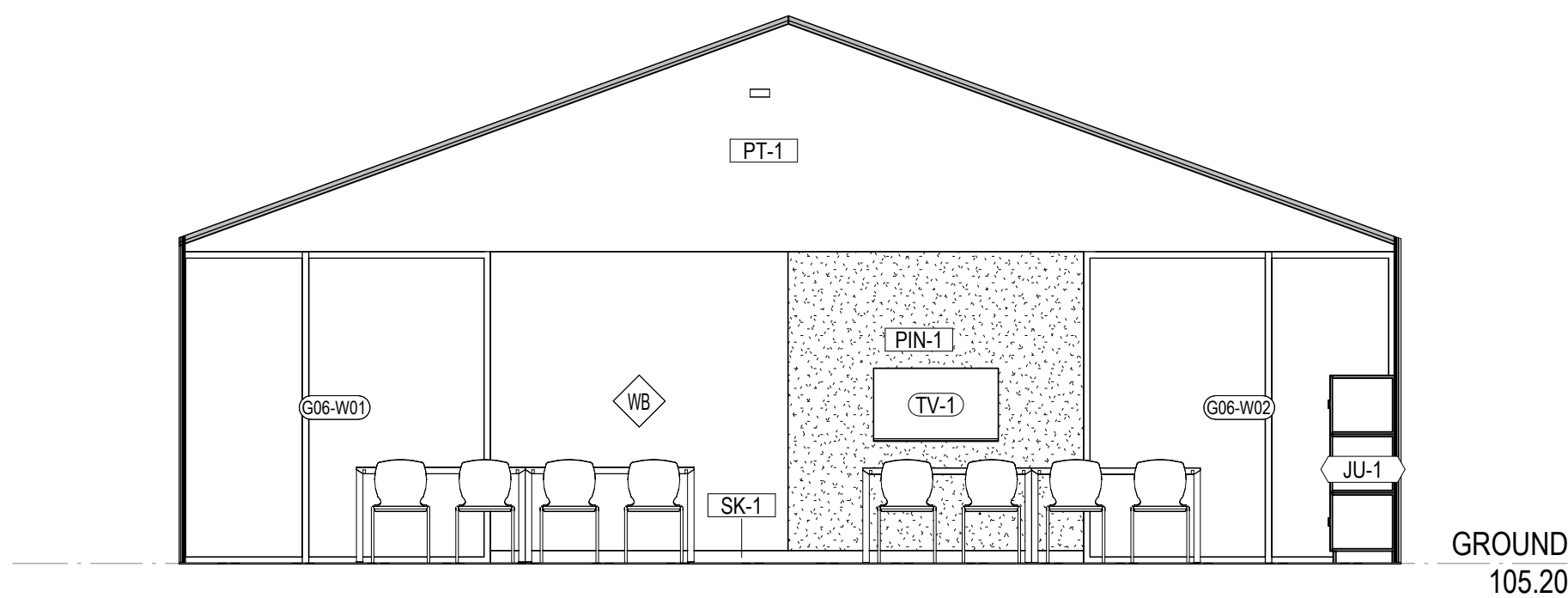
ISSUE	DATE	REVISIONS
P1	03.07.2025	COST PLAN C



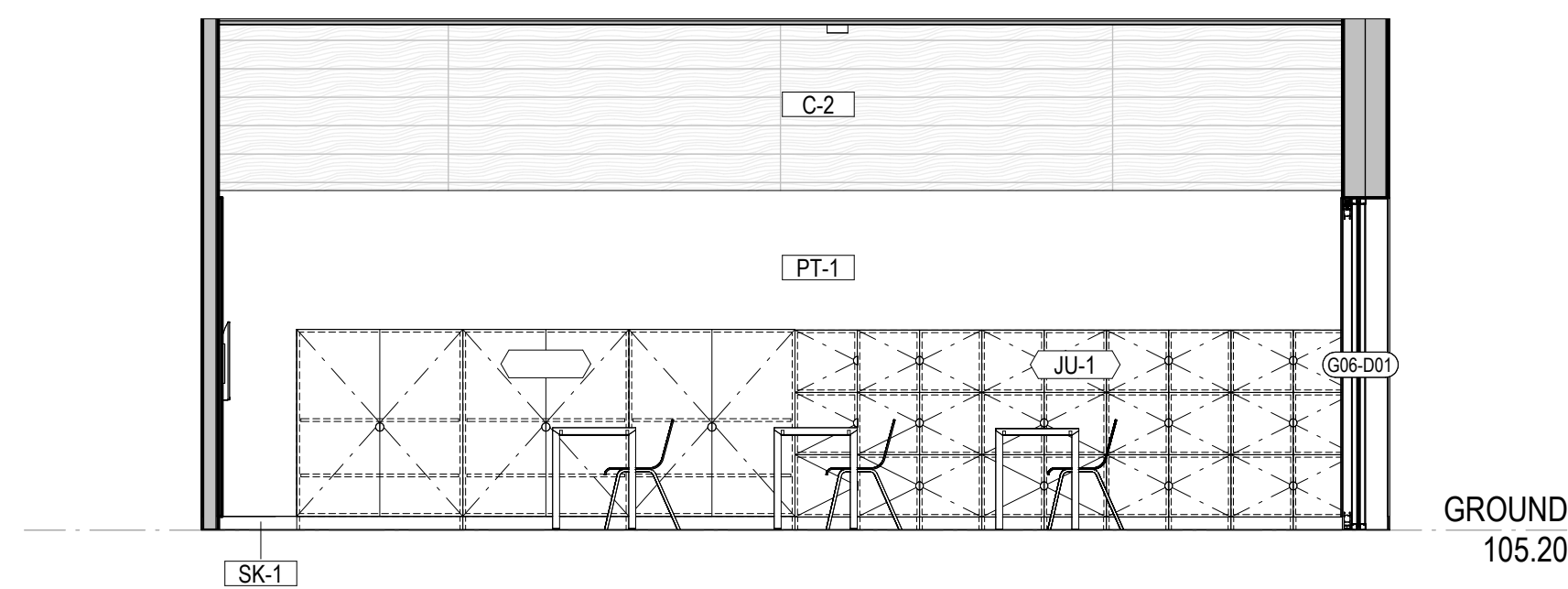
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3 **GLA 4 SOUTH**  
SCALE 1 : 50



4 **GLA 4 WEST**  
SCALE 1 : 50

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH



GRAPHIC SCALE

SCALE

1 : 50 AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

GLA 4

DRAWING NUMBER  
139-G-06  
ISSUE  
P1

Date: 12/08/2025  
Job Ref: 364920

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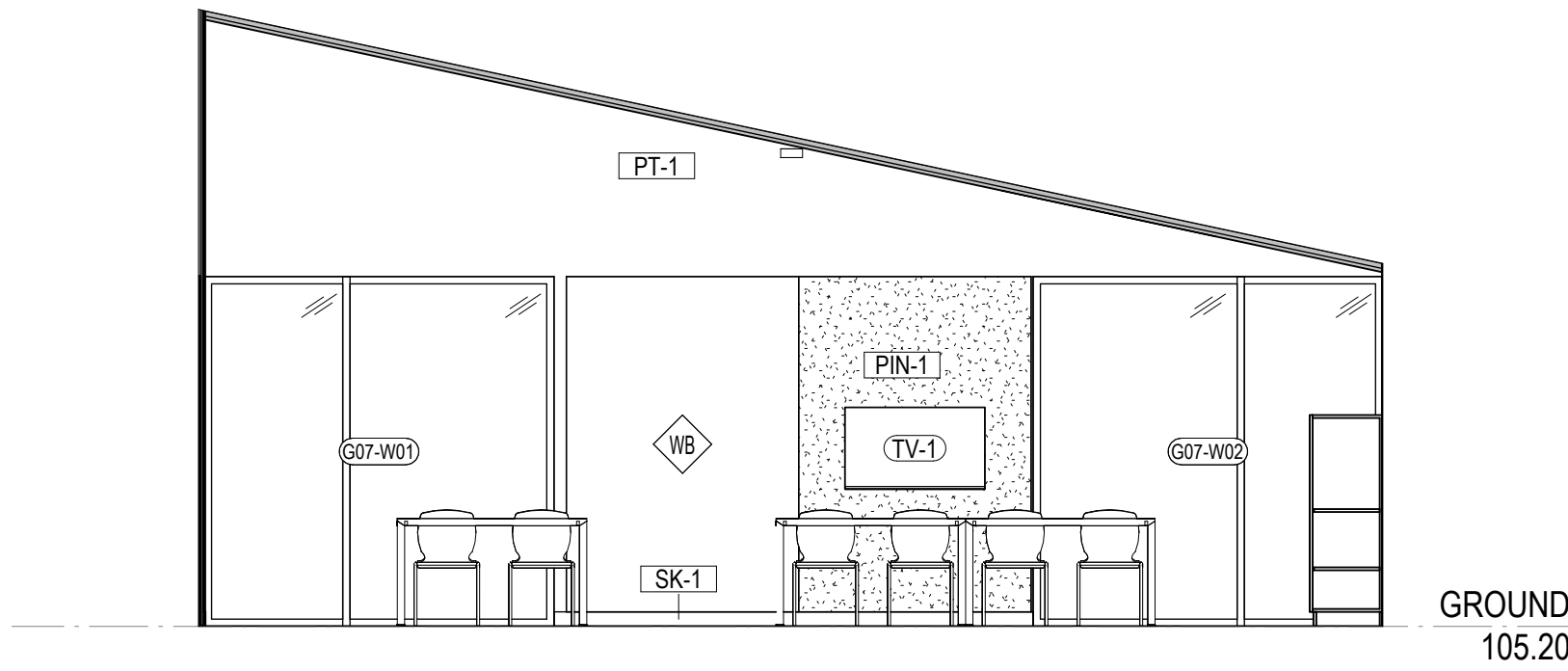
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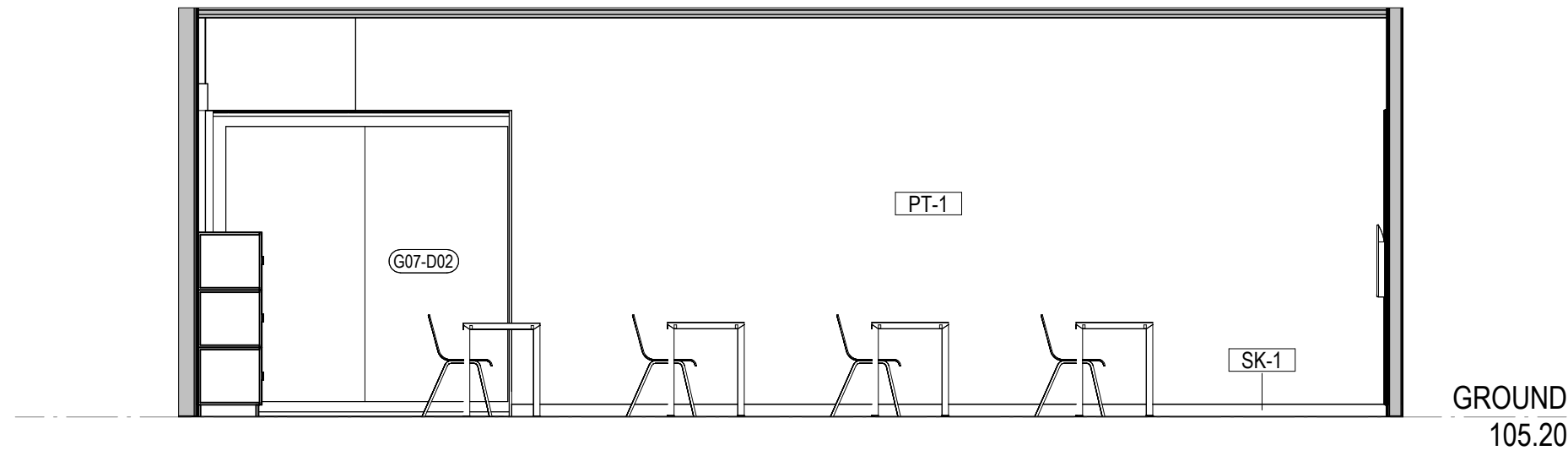
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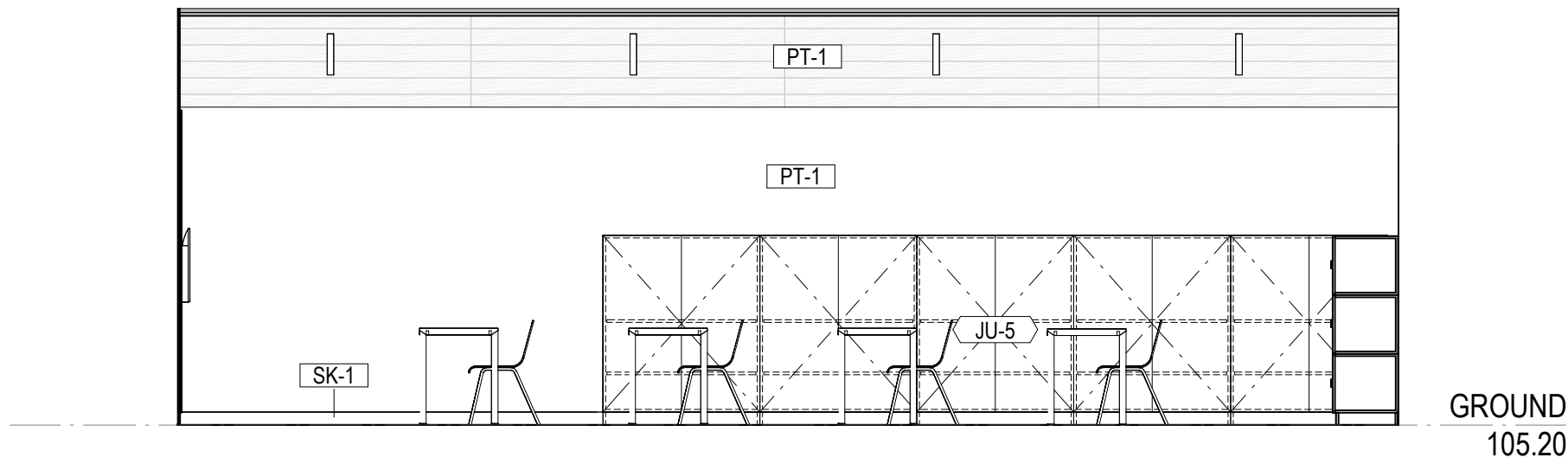
ISSUE	DATE	REVISIONS
P1	03.07.2025	COST PLAN C



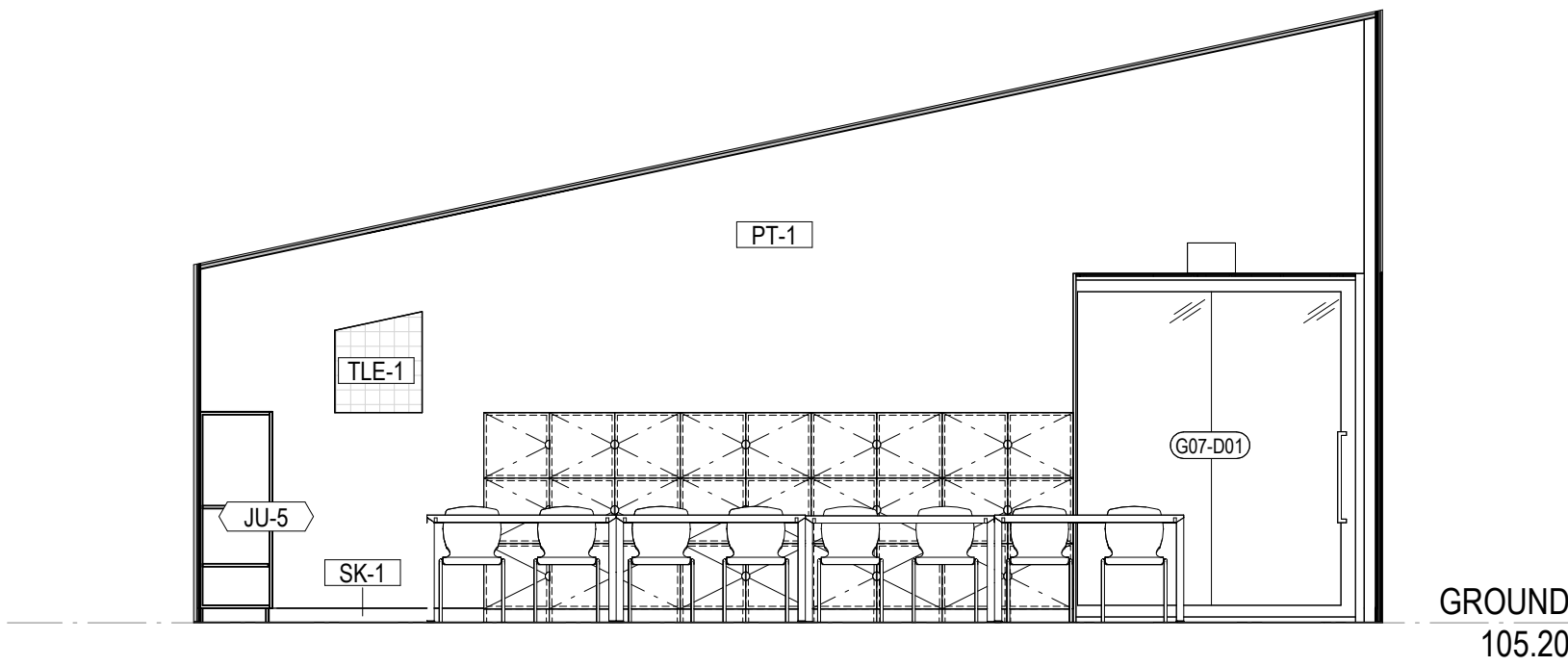
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SCALE 1 : 50



2 **GLA 5 NORTH**  
SCALE 1 : 50



3 **GLA 5 SOUTH**  
SCALE 1 : 50



4 **GLA 5 WEST**  
SCALE 1 : 50

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH



GRAPHIC SCALE

SCALE

1 : 50 AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

GLA 5

DRAWING NUMBER  
139-G-07  
ISSUE  
P1

Date: 12/08/2025  
Job Ref: 364920

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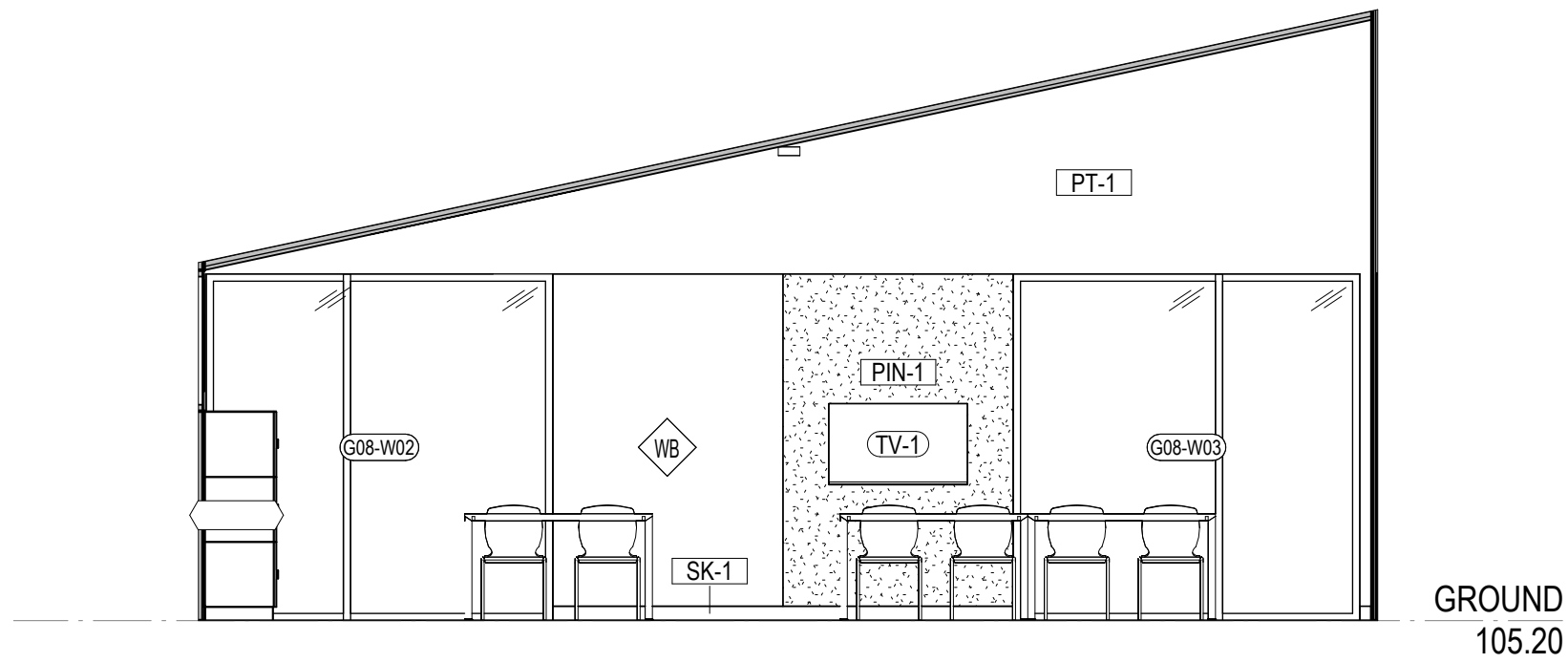


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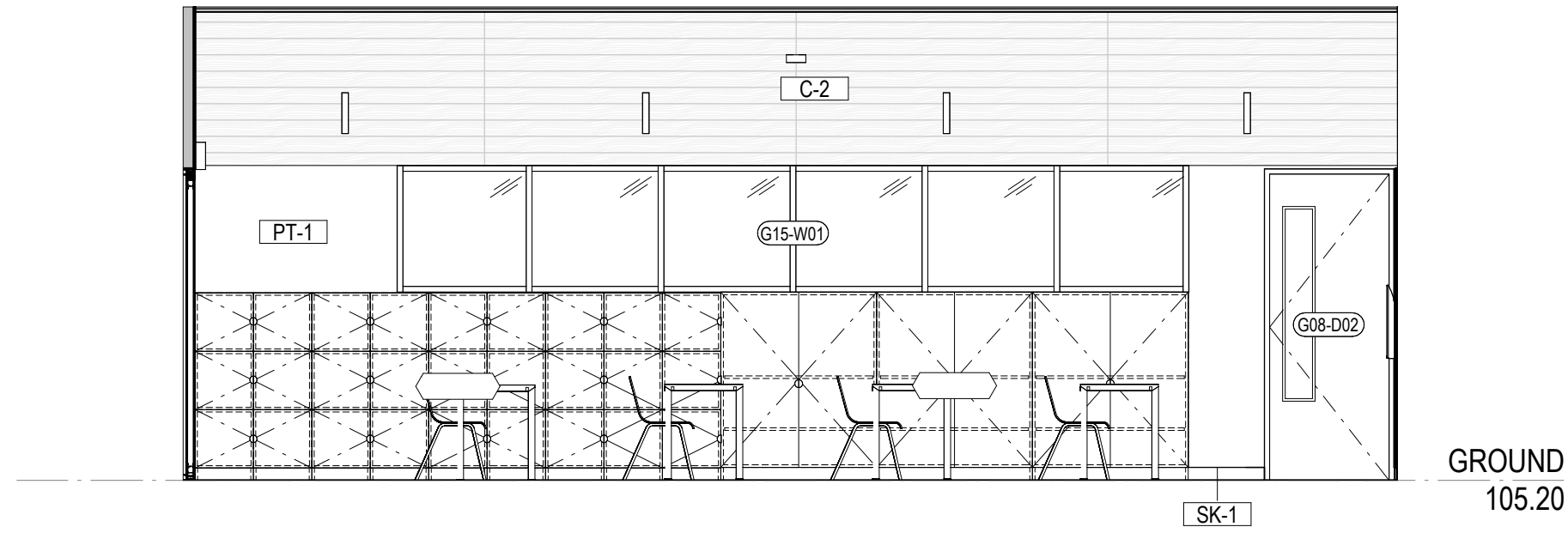
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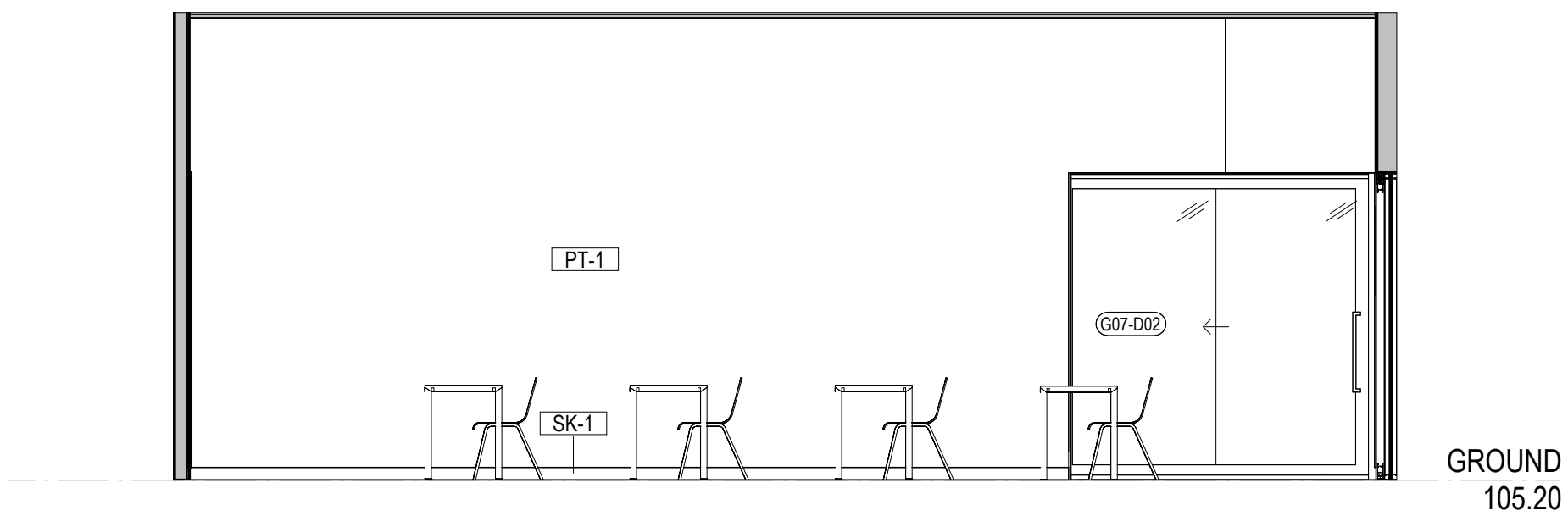
ISSUE	DATE	REVISIONS
P1	03.07.2025	COST PLAN C



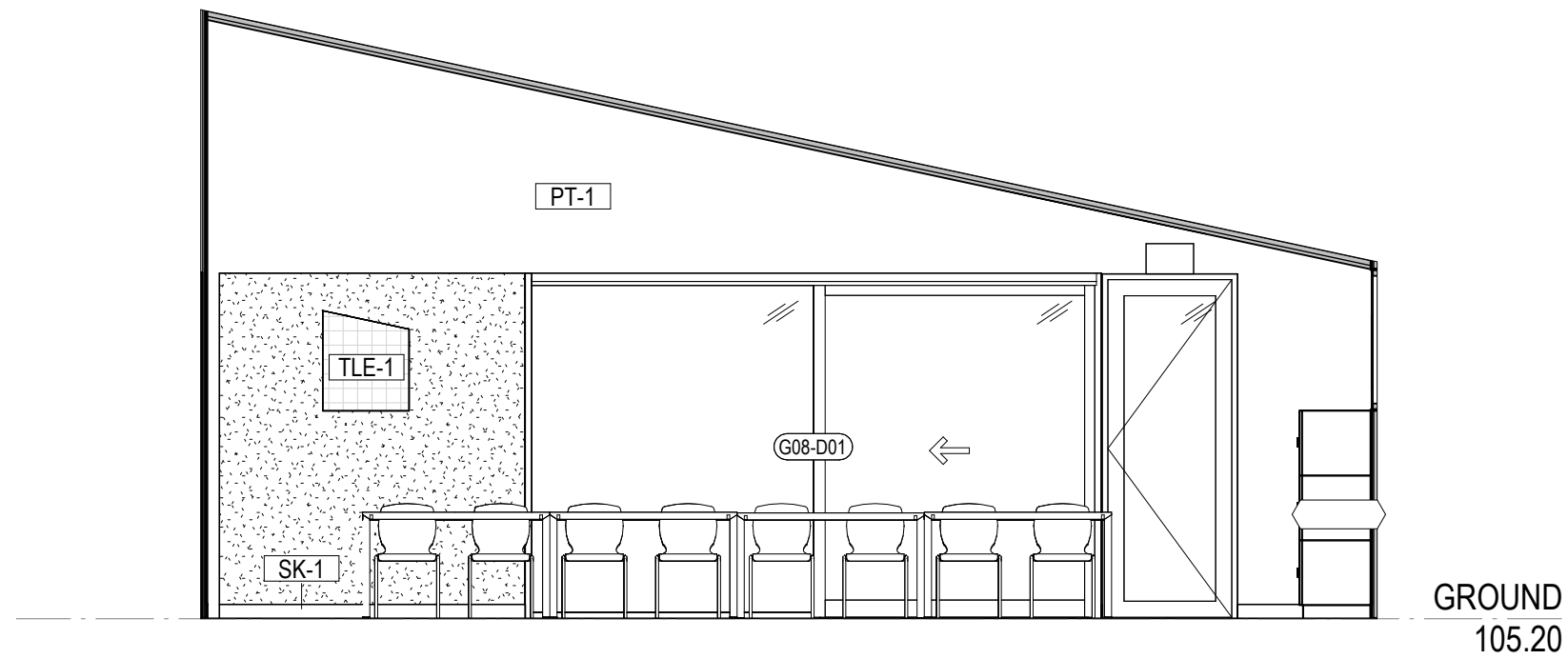
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3 **GLA 6 SOUTH**  
SCALE 1 : 50



4 **GLA 6 WEST**  
SCALE 1 : 50

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH  
GRAPHIC SCALE

SCALE

1 : 50 AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

GLA 6

DRAWING NUMBER  
139-G-08  
ISSUE  
P1

Date: 12/08/2025  
Job Ref: 364920

Refer to page 3, 'Action Summary'  
for compliance requirements.

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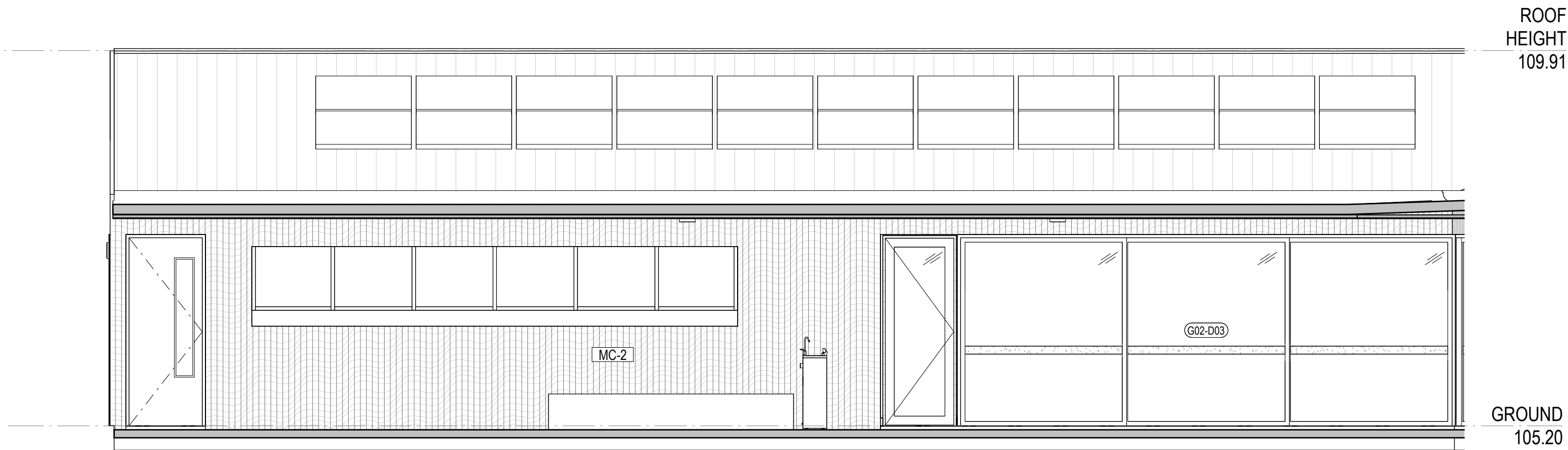
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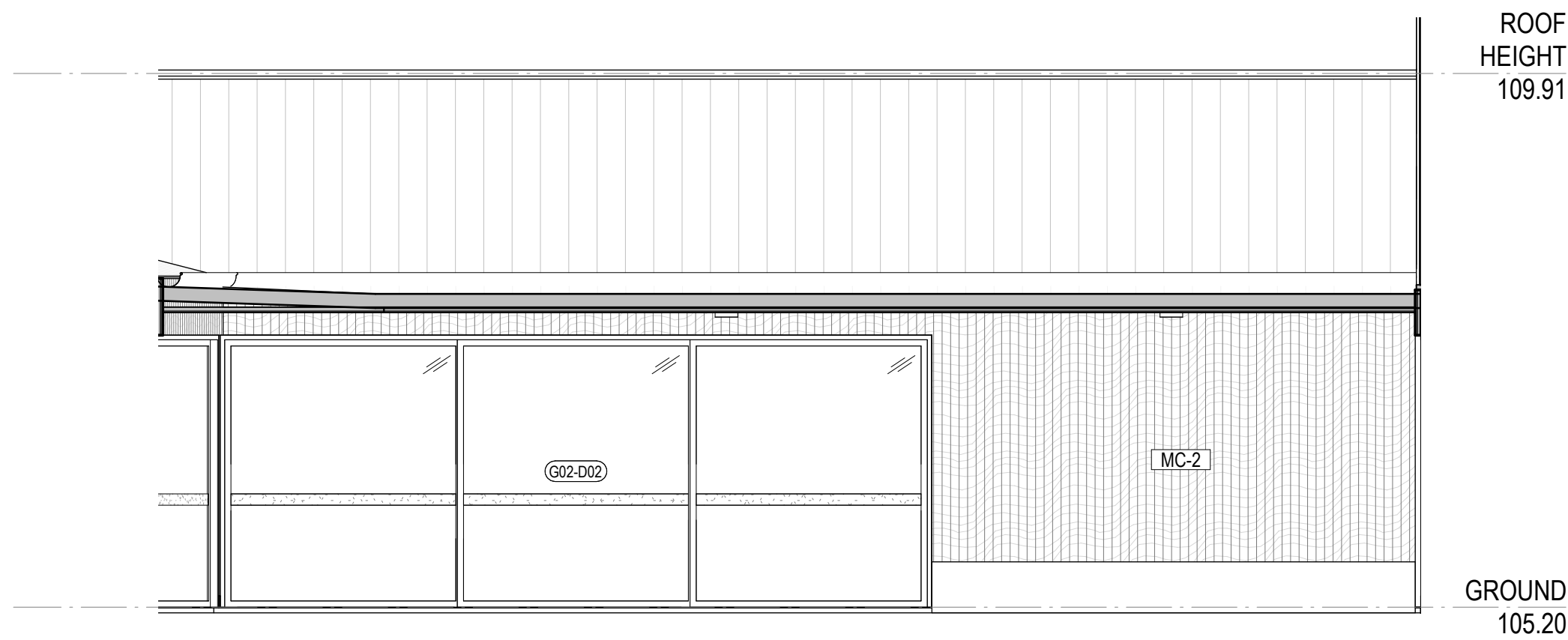
ISSUE	DATE	REVISIONS
P1	03.07.2025	COST PLAN C



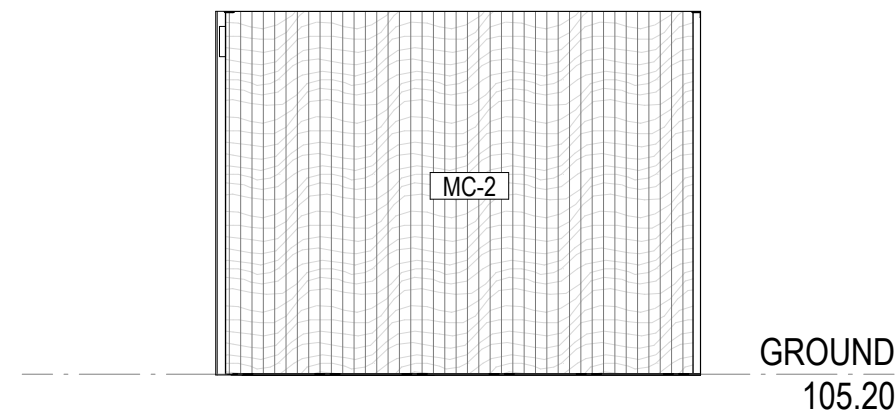
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2 VERANDA SOUTH  
SCALE 1 : 50



3 VERANDA WEST  
SCALE 1 : 50



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SCALE 1 : 50

Date: 12/08/2025  
Job Ref: 364920

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for compliance requirements.

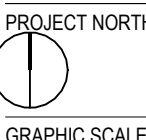


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CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139



SCALE

1 : 50 AT A1 DO NOT SCALE  
STATUS

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VERANDA

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139-G-09  
ISSUE  
P1



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ISSUE	DATE	REVISIONS
P1	30.04.2025	Cost Plan B
P2	03.07.2025	COST PLAN C

DOORS & WINDOWS GENERALLY

1. READ IN CONJUNCTION WITH DOOR SCHEDULE
2. ALL WINDOWS TO INCLUDE A SUBSILL. PROVIDE SUBHEADS AS REQUIRED - REFER TO ARCHITECTURAL DETAILS.
3. DIMENSIONS ARE TO NOMINAL STRUCTURAL OPENINGS UNLESS NOTED OTHERWISE. MANUFACTURER TO ALLOW FOR APPROPRIATE TOLERANCES AND ENSURE DOOR LEAF SIZES SUIT THE NOMINATED STRUCTURAL OPENING SIZES. REFER TO FLOOR PLAN FOR WINDOW AND DOOR LOCATIONS AND SWING DIRECTIONS.
4. ENSURE ALL GAPS IN WINDOWS AND DOORS ARE SEALED BY WEATHER-STRIPPING WINDOWS AND FITTING DRAUGHT EXCLUDERS TO MINIMISE GAPS UNDER DOORS.
6. REFER TO FINISHES SCHEDULE FOR FINISHES SPECIFICATIONS.
7. ALL ALUMINIUM DOOR AND EXTERNAL WINDOW FRAMES TO HAVE NATURAL ANODISED FINISH - REFER TO FINISHES SCHEDULE
8. ALL DOORS AND WINDOWS ARE TO BE COMPLETE SYSTEMS INCLUSIVE OF ALL HARDWARE, SILLS, SUB-SILLS, TRIMS AND THE LIKE

DOOR & WINDOW HARDWARE

1. ALL OPENABLE WINDOWS TO BE LOCKABLE AND KEYED ALIKE.
2. ALL EXTERNAL DOORS TO BE LOCKABLE.
3. ALL WINDOWS AND DOORS TO BE COMPLETED SYSTEMS WITH SASH LIFTS, HANDLES, PULLS, FLUSH BOLTS, SILLS, WEATHER SEALS AND THE LIKE.
4. PROVIDE LOW PROFILE SILL TO ALL EXTERNAL DOORS. SILL TO BE FLUSH WITH INTERNAL FINISHED FLOOR LEVEL.
5. OPENING WINDOWS TO HAVE LIMITERS TO MAX. 100MM OPENINGS.
6. PROVIDE RAVEN RPBSI AND RP10 SEALS TO ALL EXTERNAL SWING DOORS
7. ALL DOOR HARDWARE TO BE COMPLIANT WITH NCC D2.21 OPERATION OF A LATCH
8. CONTRACTOR TO PROVIDE SEALS TO STILES, HEAD AND SILLS OR THRESHOLDS WITH A FLAMMABILITY INDEX OF NOT MORE THAN 5 OR TO BE OF SILICONE AND ENSURE COMPLIANCE WITH BAL 19 REQUIREMENTS

DOOR THRESHOLDS

1. PROVIDE FLY-WIRE SCREENS TO ALL OPENING WINDOWS CONTRACTOR TO ENSURE A SMOOTH AND LEVEL TRANSITION AT ALL DOOR THRESHOLDS
2. ALL DOORS AT JUNCTION WITH EXTERNAL CONCRETE TO BE LEVEL WITH LOW PROFILE WEATHER STOPS COMPLIANT WITH AS1428
3. ALL EXTERNAL DOORS TO HAVE THRESHOLD RAMP ON EXTERNAL SIDE WITH MAXIMUM RISE OF 35MM AND GRADIENT NO GREATER THAN 1 IN 8 (MAX 280MM LONG) IN ACCORDANCE WITH CLAUSE 10.5 OF AS1428.

DOOR & WINDOW GLAZING

1. USE LAMINATED GLASS (AS OPPOSED TO TOUGHENED) WHERE GRADE A SAFETY GLASS IS REQUIRED INTERNALLY UNLESS TOUGHENED IS NOTED.
2. ALL OVERHEAD GLAZING SHALL BE GRADE A SAFETY GLASS (SKYLIGHTS)
3. DOUBLE GLAZING TO ALL INTERNAL WINDOWS AND DOORS. MINIMUM RW45 PERFORMANCE.
4. DOUBLE GLAZING TO ALL EXTERNAL WINDOWS AND DOORS UNLESS NOTED OTHERWISE
5. GLAZING TO COMPLY WITH AS1288-2016.
6. GLAZIER TO PROVIDE GLAZING GUARANTEE AND CERTIFICATES.
7. GLAZING U VALUE AND SHGC TO BE IN ACCORDANCE WITH SECTION J REPORT
8. **IN ADDITION TO THE PERFORMANCE REQUIREMENTS STATED IN THE SECTION J REPORT, ALL GLAZING SYSTEMS MUST HAVE A VISUAL LIGHT TRANSMISSION (VLT) OF NOT LESS THAN 0.50**

WINDOW LEGEND:

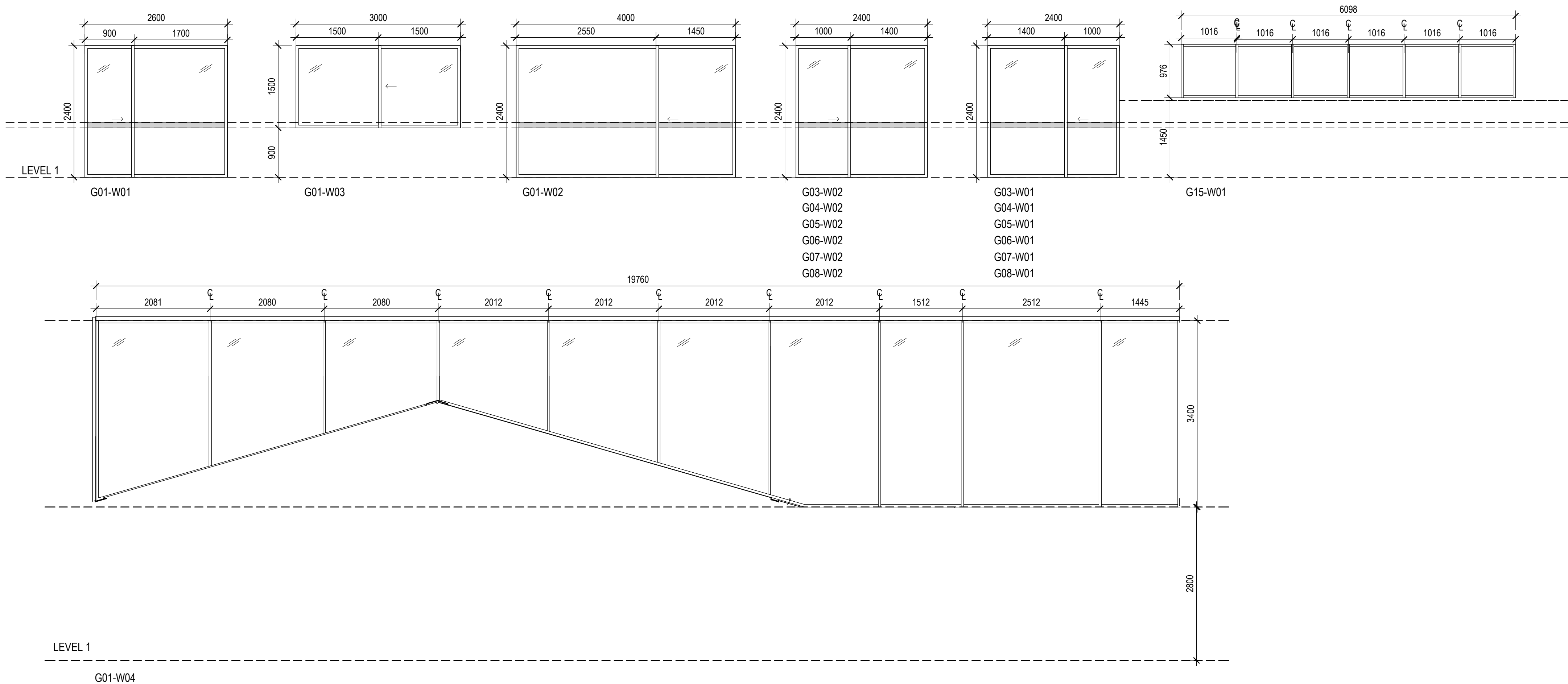
- DH DOUBLE HUNG  
TH TOP HUNG  
SL SLIDING  
FG FIXED GLAZED  
VD-1 VISUAL INDICATOR STRIP. REFER FINISHES SCHEDULE

NOTE:

1. ALL OPENABLE DOOR AND WINDOWS TO BE COMPLETE WITH COMPATIBLE COMMERCIAL GLAZING SYSTEM. CONTRACTOR TO ENSURE SYSTEMS ARE COMPATIBLE.
2. TYPICAL COMMERCIAL FRAMING ELEMENTS ARE TO BE AS NOTED ABOVE UNLESS NOTED OTHERWISE ON DRAWINGS.
3. GLAZING TO AS1288 AND AS2047.

ALUMINIUM WINDOW & DOOR SYSTEM TYPES

CODE	DESCRIPTION	SPECIFICATION
FGE	TYPICAL EXTERNAL GLAZING FRAME	ALSPEC ECO FRAME PLUS 101.6 CENTRE POCKET WINDOW FRAME
FGI	TYPICAL INTERNAL	CRITERION SVELTE 75 DOUBLE GLAZING PARTITION
AS	EXTERNAL AWNING SASH	WITH COMPATIBLE ALSPEC ECO FRAME PLUS 101.6 CENTRE POCKET COMMERCIAL FRAMING SYSTEM)
TH	EXTERNAL TOP HUNG WINDOW	ANEETA FRAMELESS DOUBLE HUNG (TOP DOWN)
SL	EXTERNAL SLIDING WINDOW	ANEETA FRAMELESS HORIZONTAL SLIDER 300+
SWDE DSWDE	GLAZED EXTERNAL SWING DOOR	TORRENS 45mm SHOP FRONT SWING DOOR (WITH COMPATIBLE ALSPEC ECO FRAME PLUS 101.6 CENTRE POCKET COMMERCIAL FRAMING SYSTEM)
SWDI	GLAZED INTERNAL SWING DOOR	CRITERION BARWON 38mm, WIDE STILE 112mm (WITH COMPATIBLE CRITERION SVELTE 75 COMMERCIAL FRAMING SYSTEM)
SWDF	SELF CLOSING FIRE DOOR	SPENCE 1 HOUR FIRE RATED SOLID CORE DOOR WITH FIXED GLAZED FIRE RATED VISION PANEL. SELF CLOSING DOOR TO COMPLY WITH BCA CLAUSE D309.
TD1	THRESHOLD DRAIN TO ALSPEC TORRENS	ALSPEC AD808 FLUSH GRATE SILL WITH AD802 SILL ADAPTER. FIX WITH AS1801 LOW PROFILE THRESHOLD TO TOP OF RHS. INCORPORATE DROP DOWN SEAL TO BOTTOM RAIL FOR WEATHERPROOFING.
SLDE	SLIDING DOOR EXTERNAL	ALSPEC HAWKESBURY TOP HUNG COMMERCIAL SLIDING DOOR SYSTEM WITH FLUSH AD808 SILL AND AD802 SILL ADAPTER. FIX WITH AS1428.1-COMPLIANT TRACK TO LOW PROFILE SILL. (WITH COMPATIBLE ALSPEC ECO FRAME PLUS 101.6 CENTRE POCKET COMMERCIAL FRAMING SYSTEM) (EXTERNAL USE)
SLDI	SLIDING DOOR INTERNAL	GLYDE EVOLVE GLAZED ACOUSTIC SLIDER AND INTERGRATED GLAZED JAMB HUNG PASS DOOR SYSTEM. DDA COMPLIANT. WITH INTEGRATED FOOTBOLTS. NO FLOOR TRACKS.



Date: 12/08/2025

Job Ref: 364920

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CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

1 : 50 AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

WINDOWS

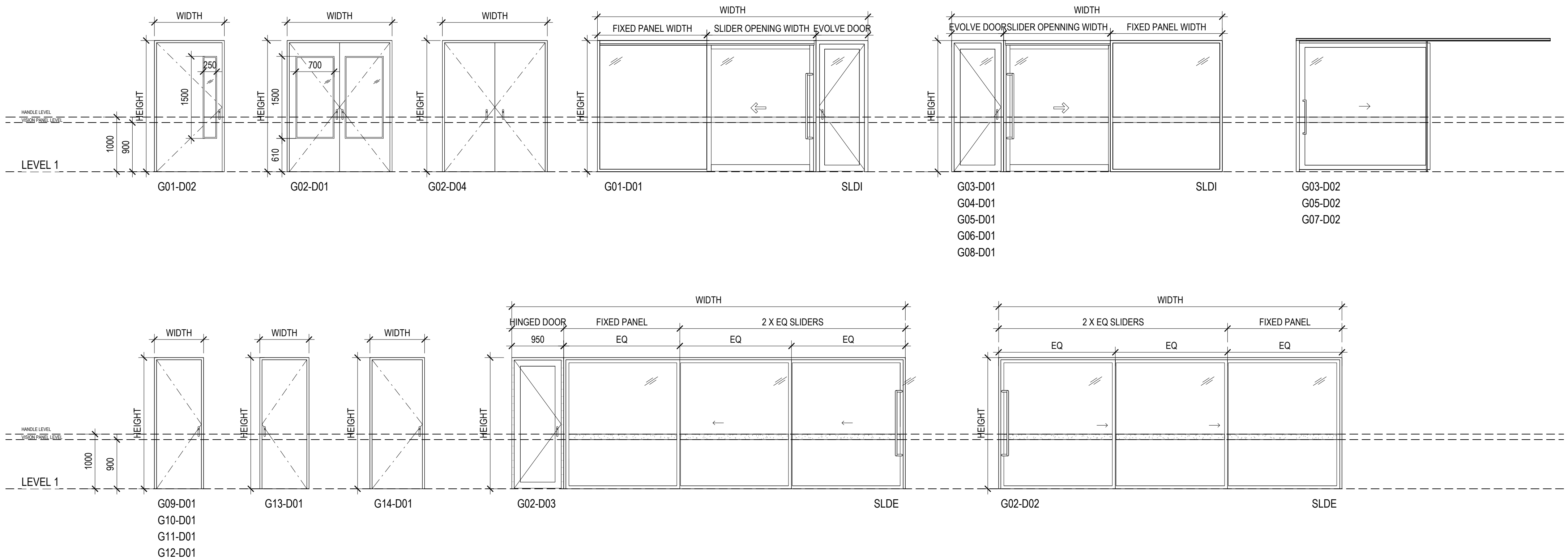
DRAWING NUMBER	ISSUE
139-J-01	P2



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ISSUE	DATE	REVISIONS
P1	30.04.2025	Cost Plan B
P2	03.07.2025	COST PLAN C



Date: 12/08/2025

Job Ref: 364920

Refer to page 3, 'Action Summary'  
for compliance requirements.



*Jim Woolcock*  
BDAV Member - Jim Woolcock

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

1 : 50 AT A1 DO NOT SCALE

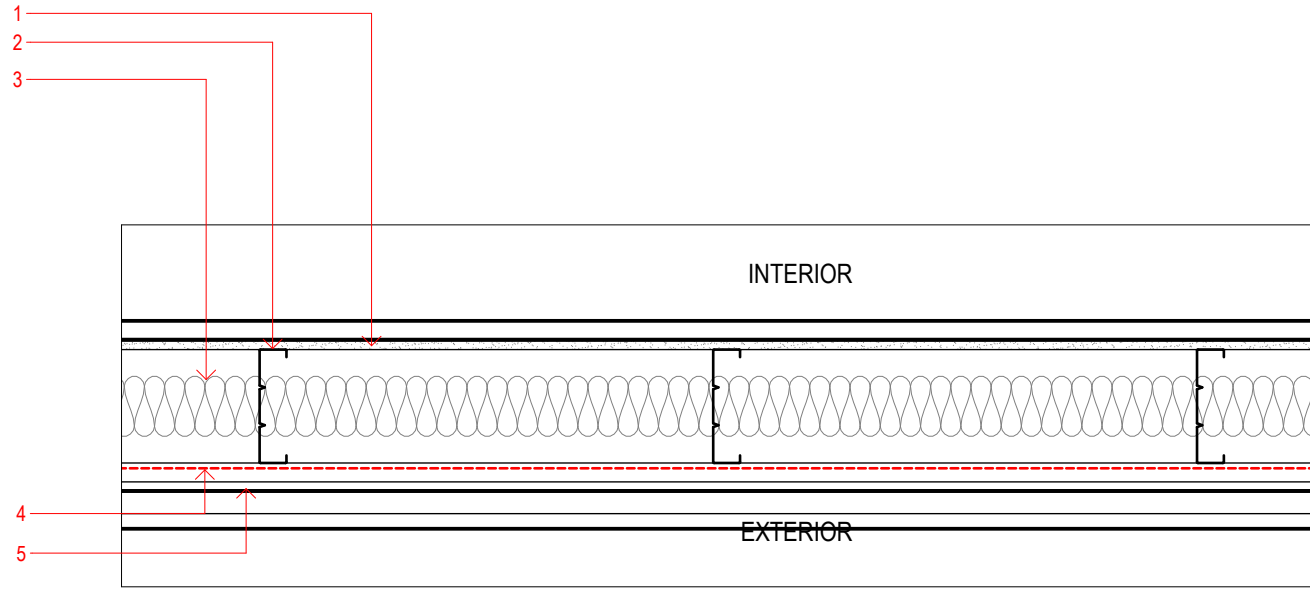
STATUS

PRELIMINARY  
DRAWING

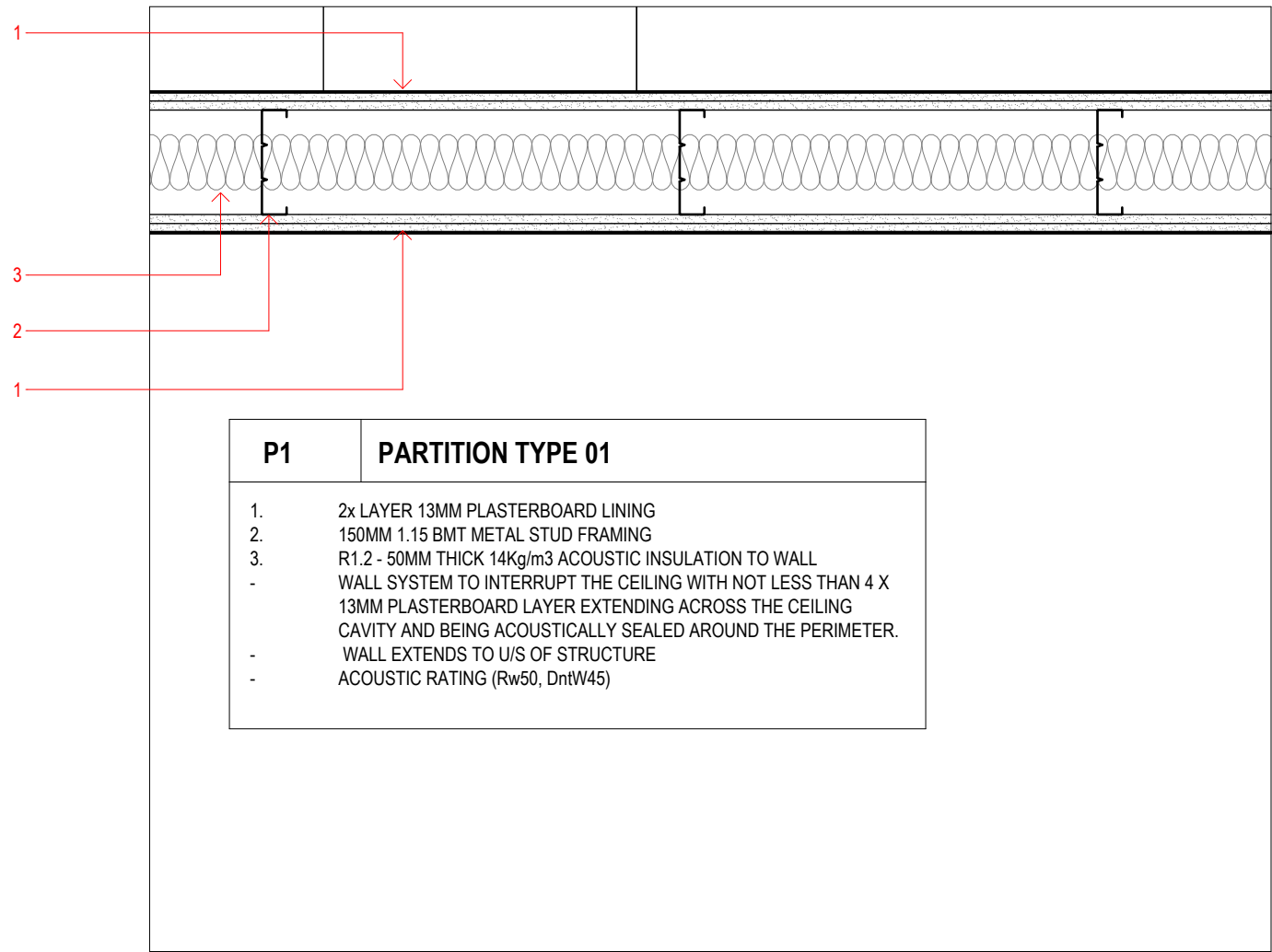
DOORS

DRAWING NUMBER  
139-J-02

ISSUE  
P2



W1	EXTERNAL METAL CLADDING WALL
1.	1x LAYER 13MM PLASTERBOARD LINING
2.	150MM 1.15 BMT METAL STUD FRAMING
3.	150MM R3.0 ACOUSTIC INSULATION BATTS (MIN. R 2.5 BATTS)
4.	VAPOUR PERMEABLE MEMBRANE
5.	SOULPTFORM CLICK-ON CLADDING SYSTEM ALUMINIUM
-	75x12MM PREFINISHED ALUMINIUM FLAT PROFILE ON
-	PROPRIETARY 35x25MM SPLIT MOUNTING TRACK @ MAX. 600CTRS
-	WALL EXTENDS TO U/S OF STRUCTURE
-	ACOUSTIC RATING (Rw 40, DnTw35) TBC*



P1	PARTITION TYPE 01
1.	2x LAYER 13MM PLASTERBOARD LINING
2.	150MM 1.15 BMT METAL STUD FRAMING
3.	R1.2 - 50MM THICK 14kg/m3 ACOUSTIC INSULATION TO WALL
-	WALL SYSTEM TO INTERRUPT THE CEILING WITH NOT LESS THAN 4 X
-	13MM PLASTERBOARD LAYER EXTENDING ACROSS THE CEILING
-	CAVITY AND BEING ACOUSTICALLY SEALED AROUND THE PERIMETER.
-	WALL EXTENDS TO U/S OF STRUCTURE
-	ACOUSTIC RATING (Rw50, DnTw45)

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ISSUE	DATE	REVISIONS
P1	30.04.2025	Cost Plan B
P2	03.07.2025	COST PLAN C

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

1 : 10 AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

WALL & PARTITION  
TYPES

DRAWING NUMBER	ISSUE
139-K-01	P2

Date: 12/08/2025

Job Ref: 364920

Refer to page 3, 'Action Summary'  
for compliance requirements.

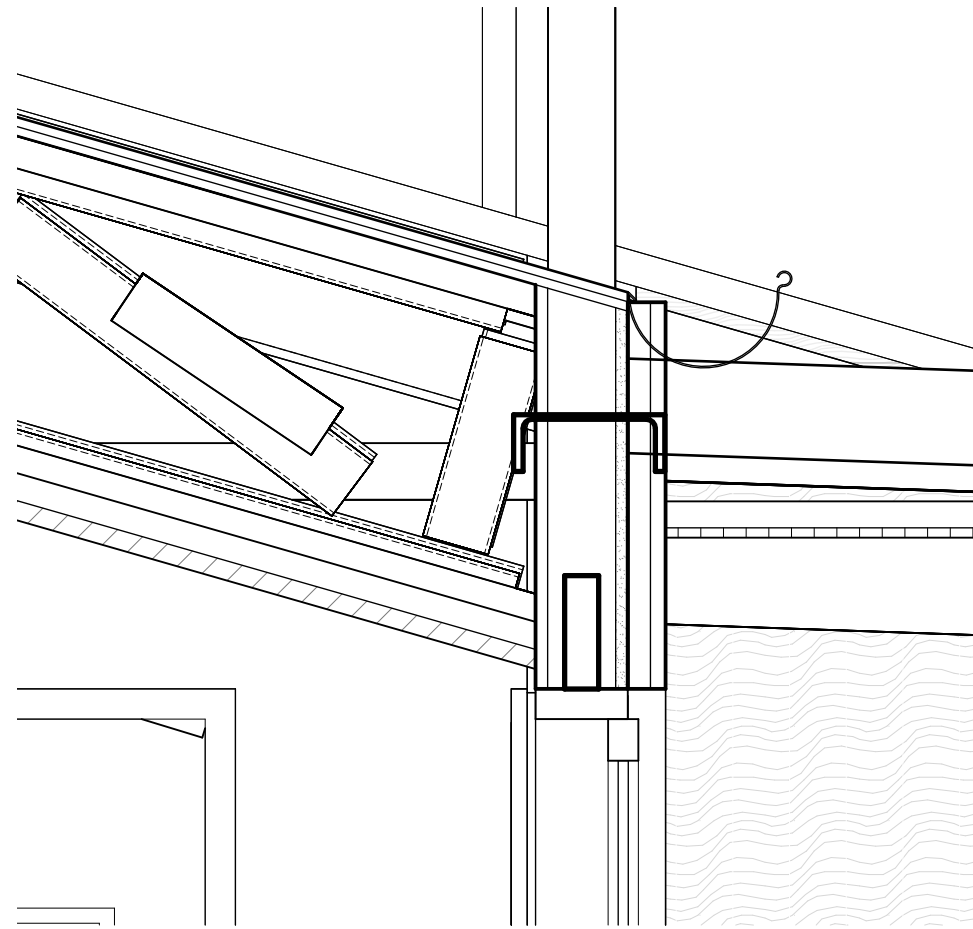
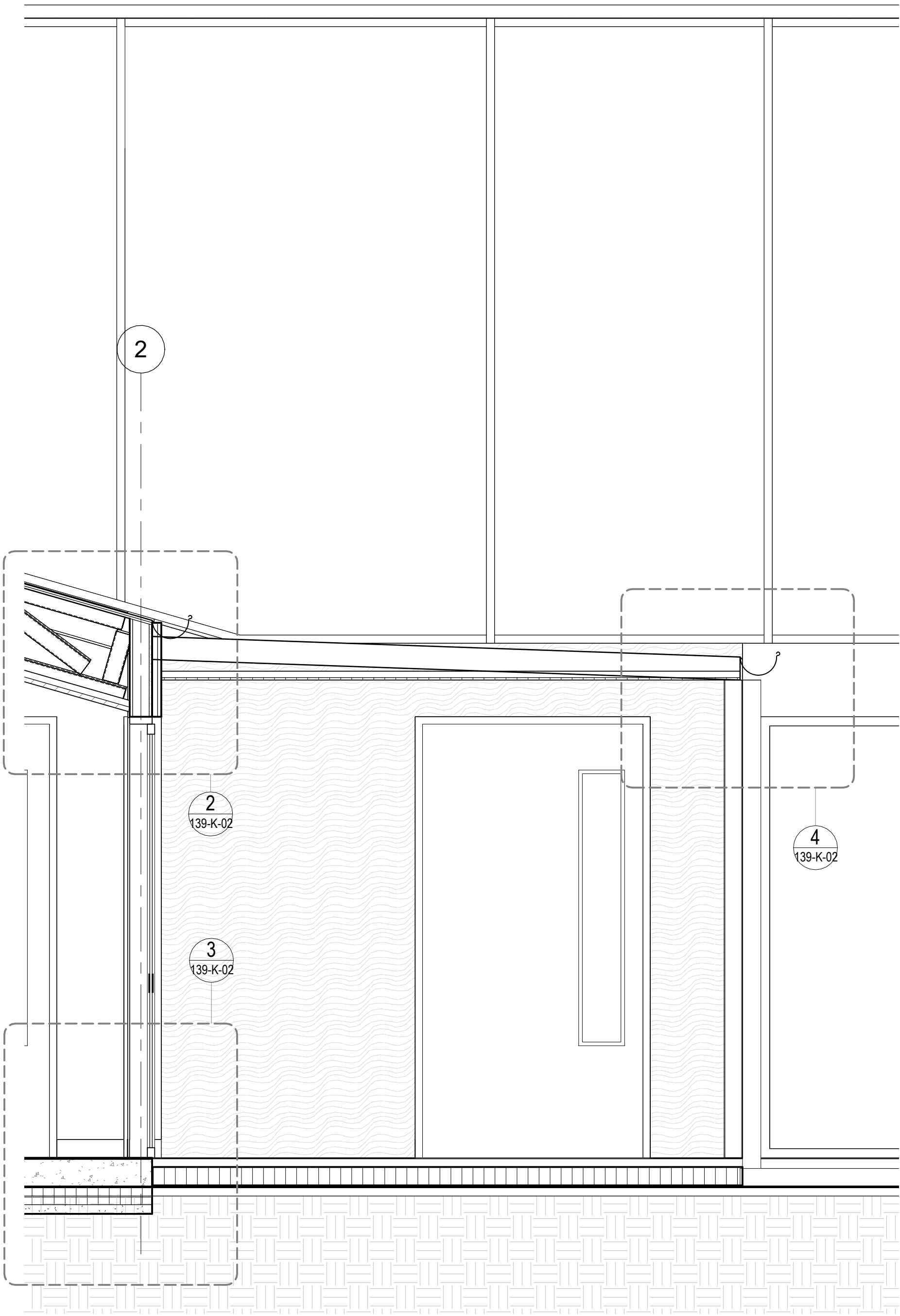


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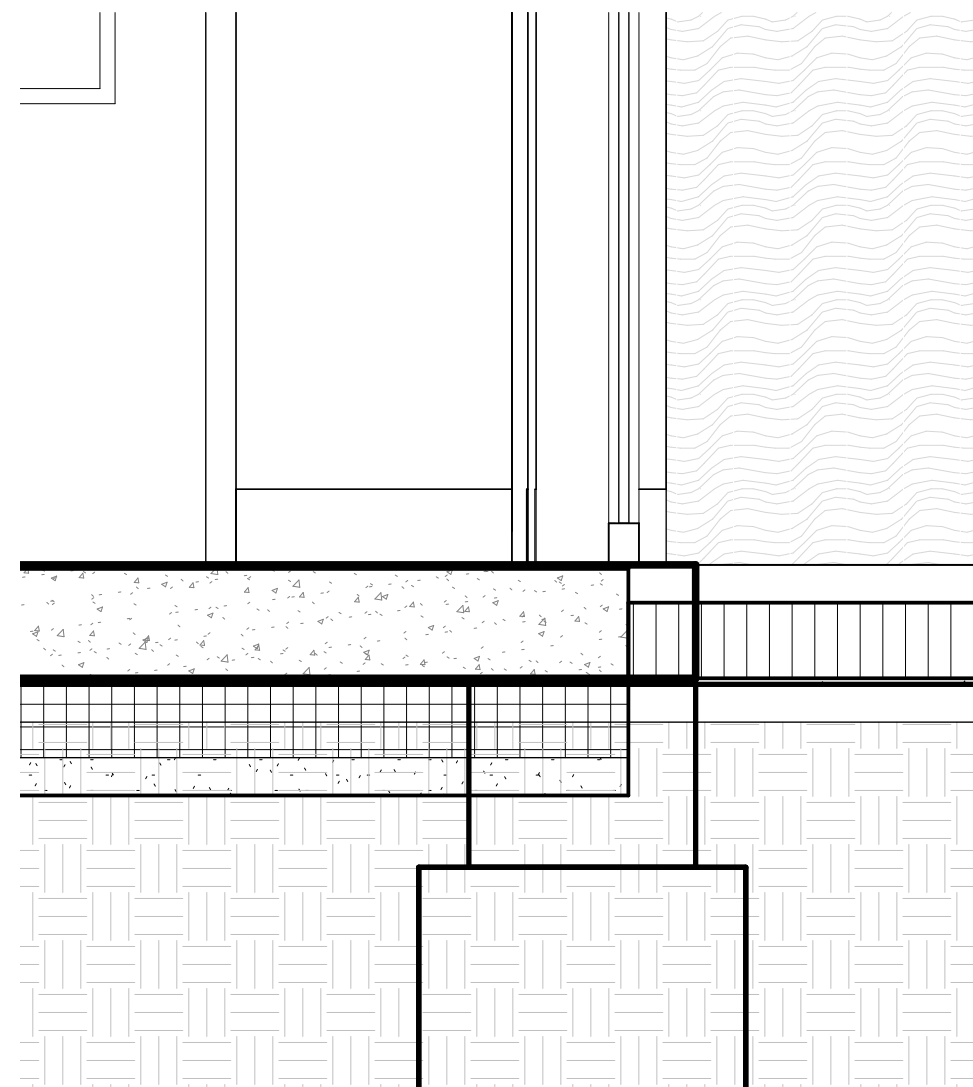
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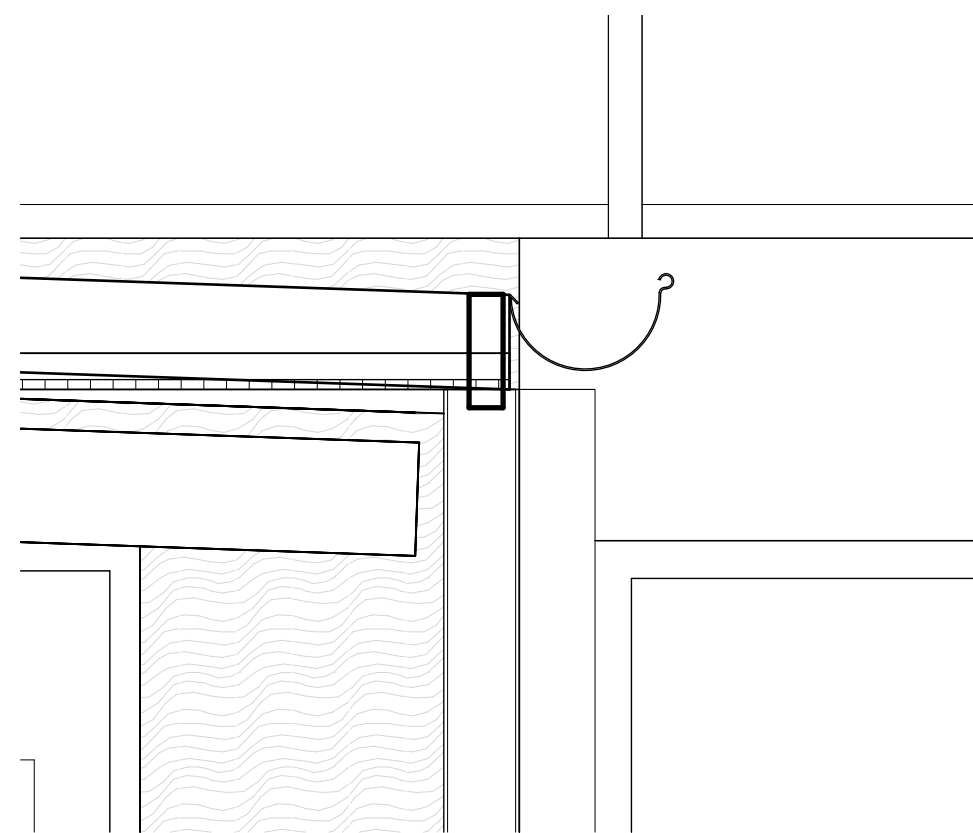
ISSUE	DATE	REVISIONS
P1	30.04.2025	Cost Plan B
P2	03.07.2025	COST PLAN C



2 ROOF - VERANDA JOIN  
SCALE 1 : 10



3 INSIDE FLOOR - OUTSIDE FLOOR  
SCALE 1 : 10



4 PILAR - ROOF - GUTTER DETAIL  
SCALE 1 : 10

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

As indicated AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

DETAILS 01

DRAWING NUMBER	ISSUE
139-K-02	P2

Date: 12/08/2025  
Job Ref: 364920

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ISSUE	DATE	REVISIONS
P1	30.04.2025	Cost Plan B
P2	03.07.2025	COST PLAN C

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

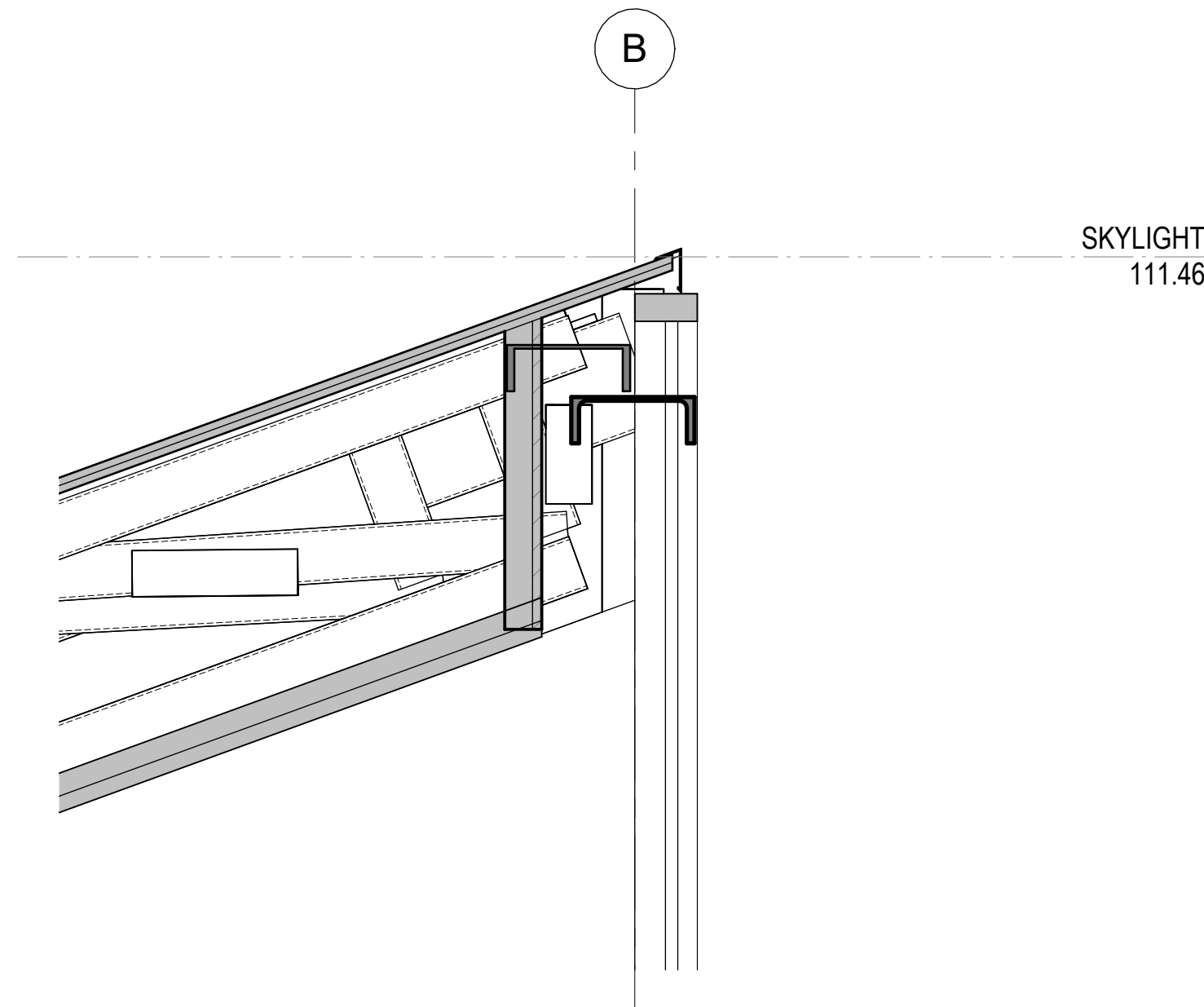
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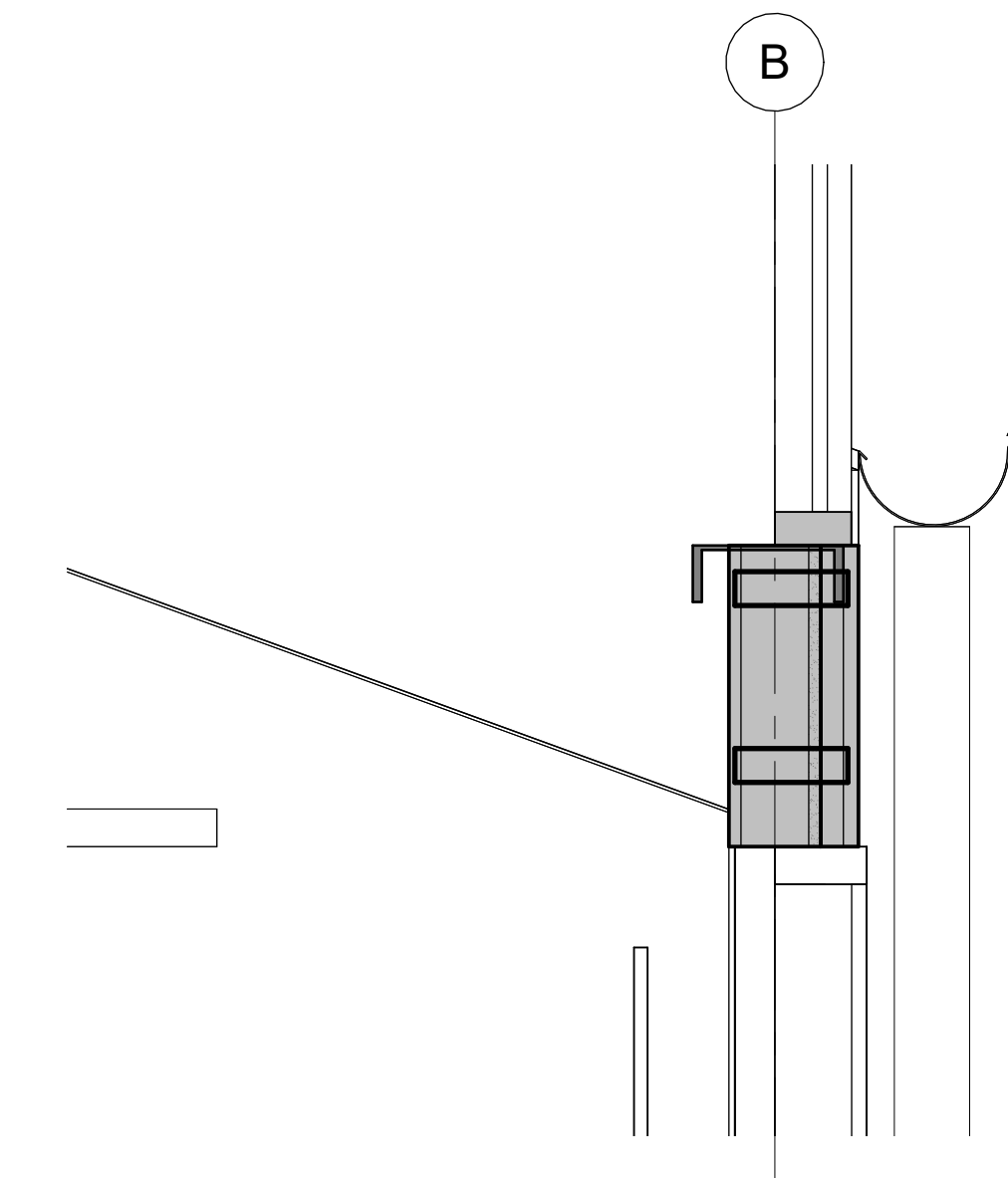
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DRAWING

DETAILS 02

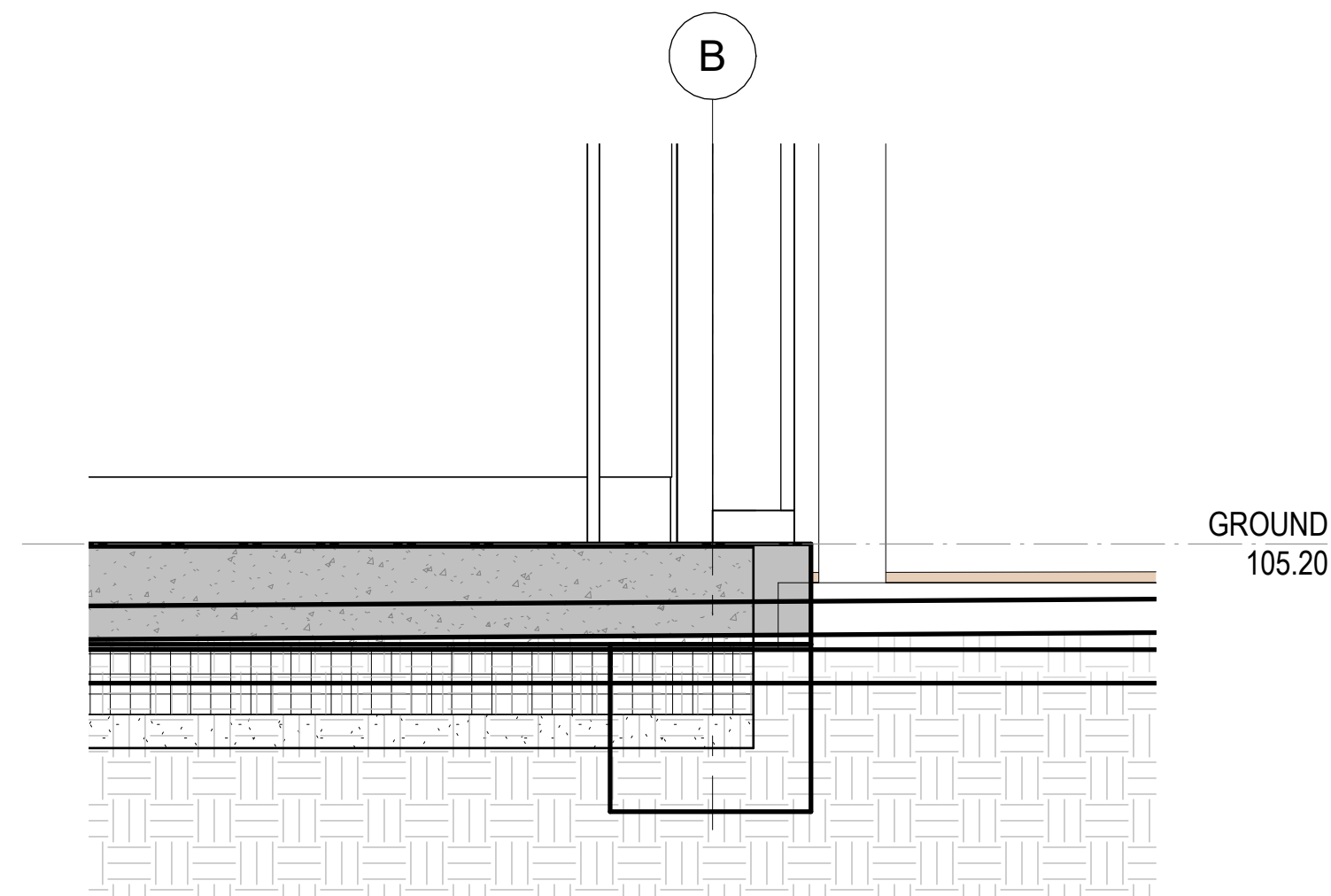
DRAWING NUMBER	ISSUE
139-K-03	P2



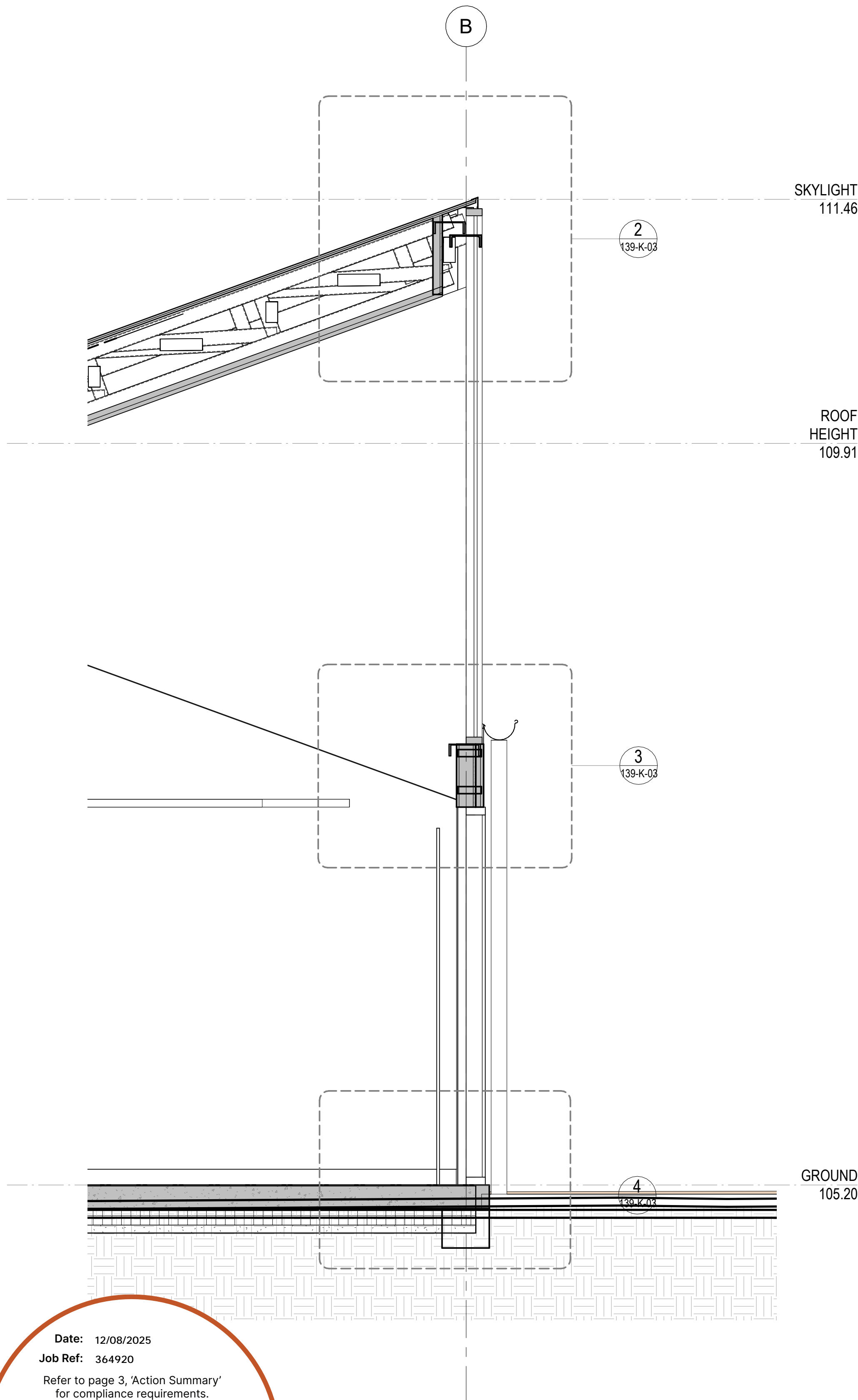
2 RECESS ROOF - ALL HEIGHT WINDOW  
SCALE 1 : 10



3 WINDOW - BEAM - WINDOW  
SCALE 1 : 10



4 TYPICAL INSIDE WINDOW - OUTSIDE DETAIL  
SCALE 1 : 10



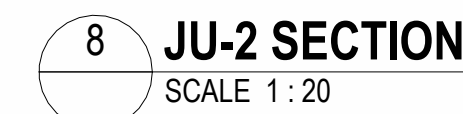
Date: 12/08/2025  
Job Ref: 364920  
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SECTION DETAIL 02





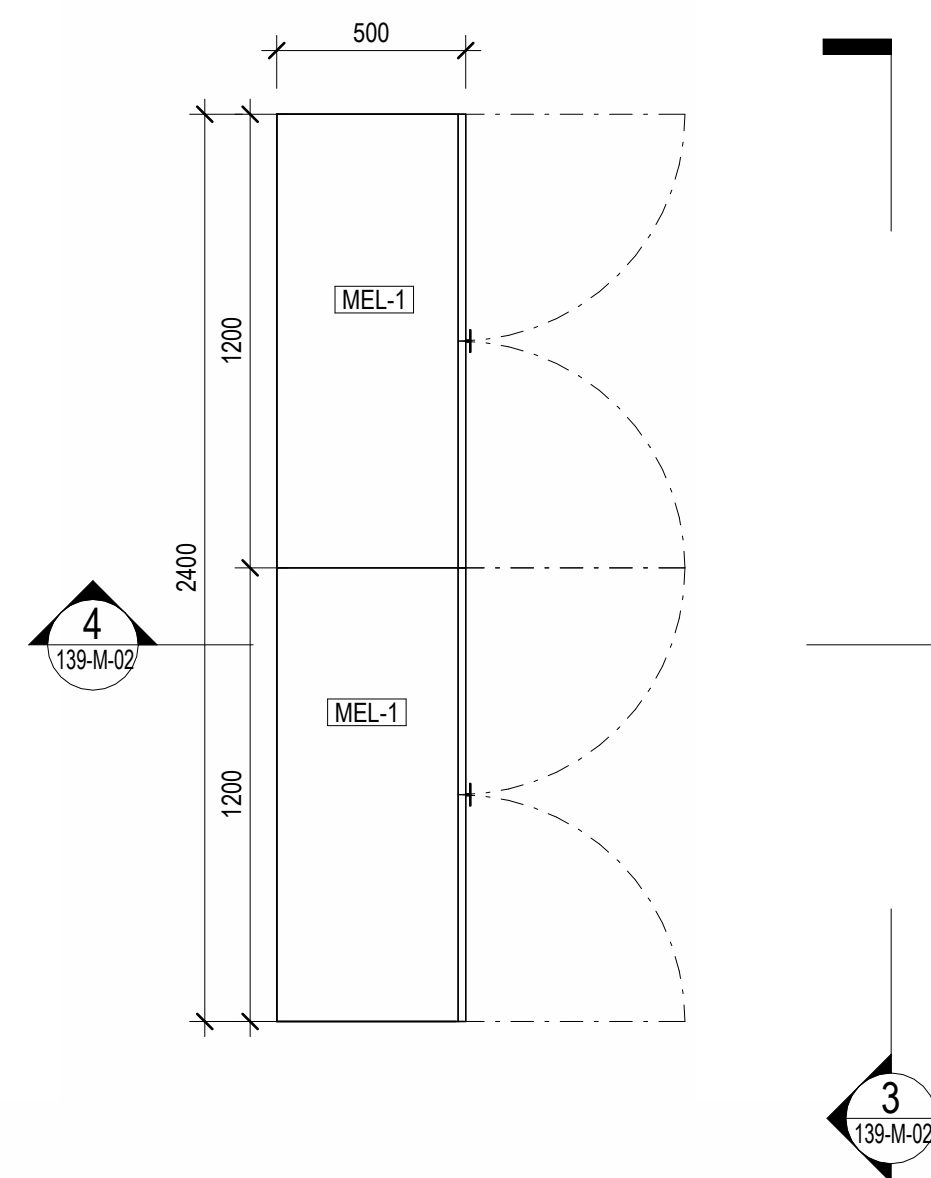
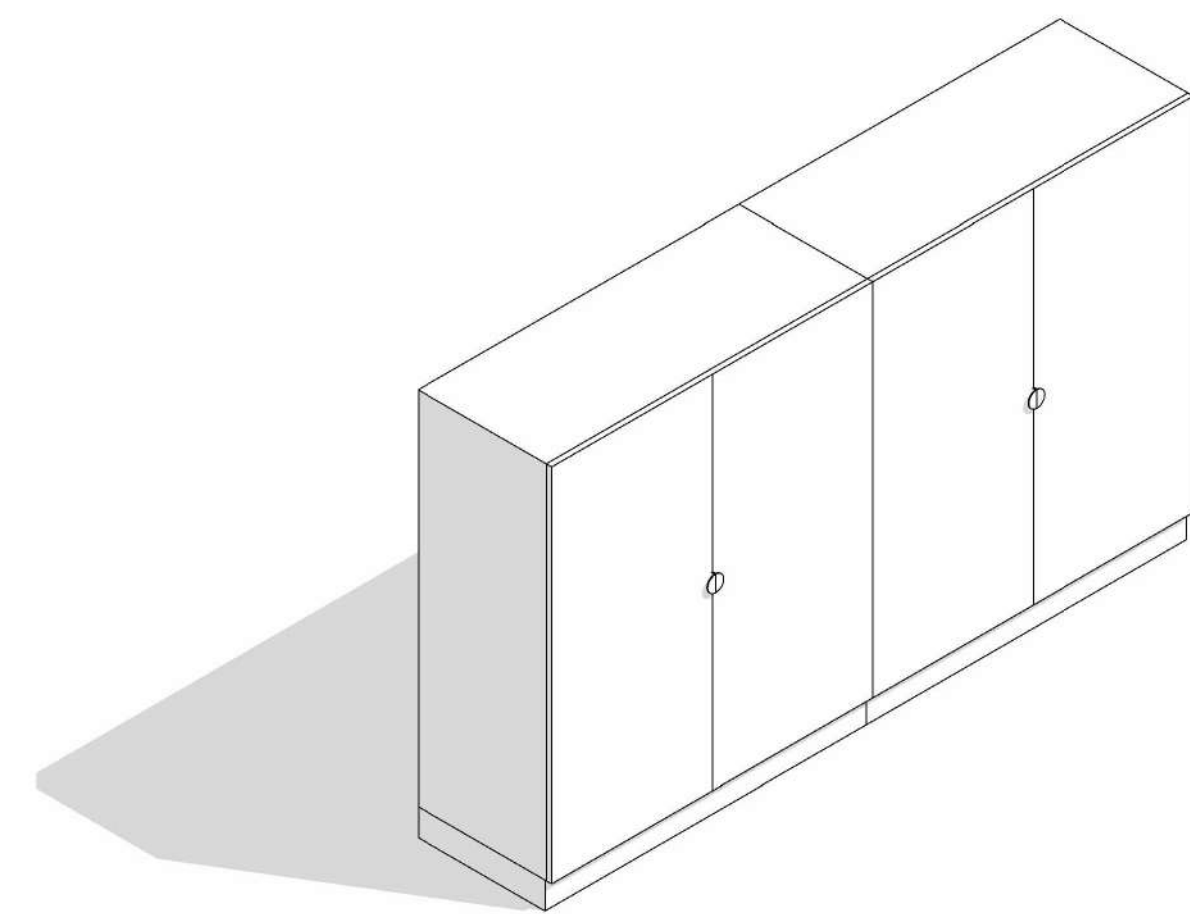
*Jim Woolcock*  
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DRAWING NUMBER	ISSUE
139-M-01	P2

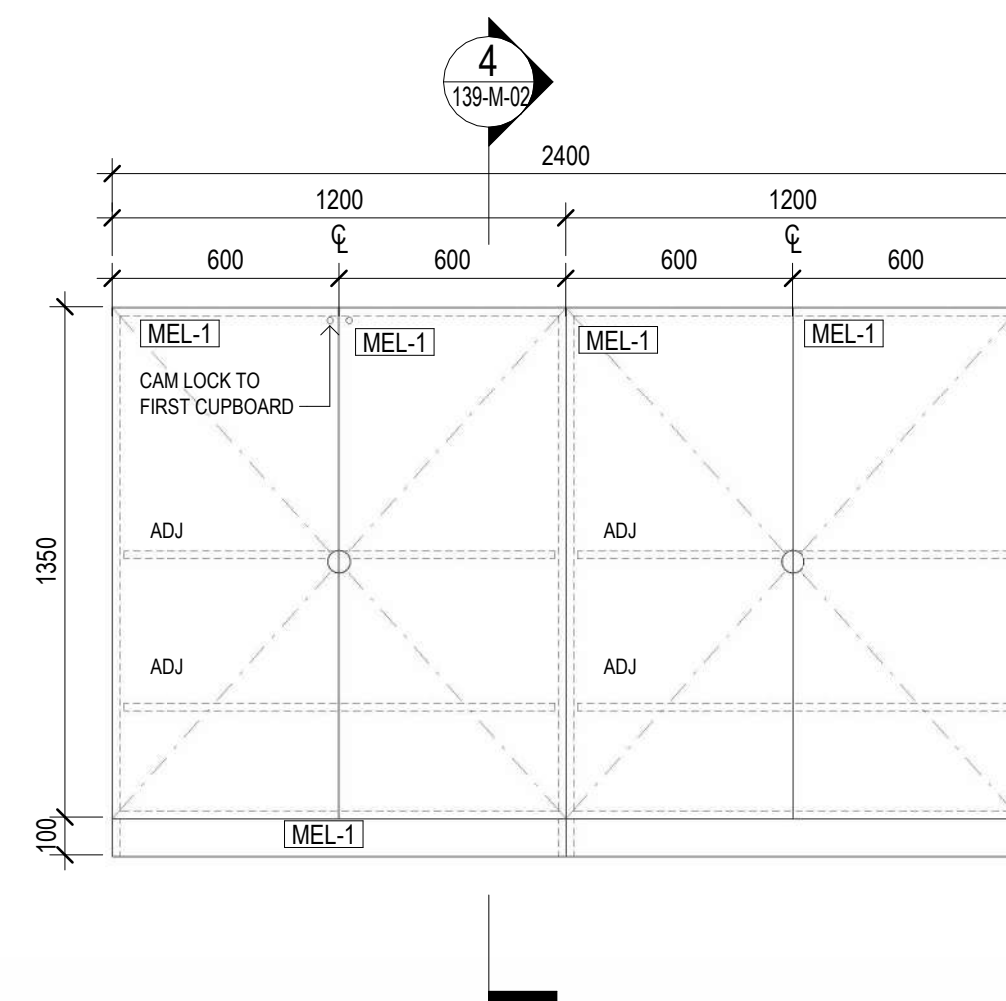
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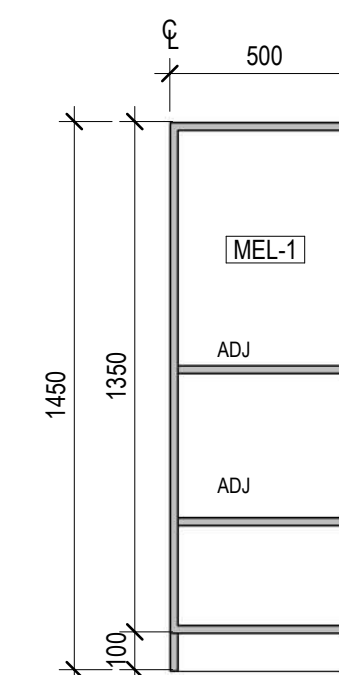
ISSUE	DATE	REVISIONS
P1	30.04.2025	Cost Plan B
P2	03.07.2025	COST PLAN C



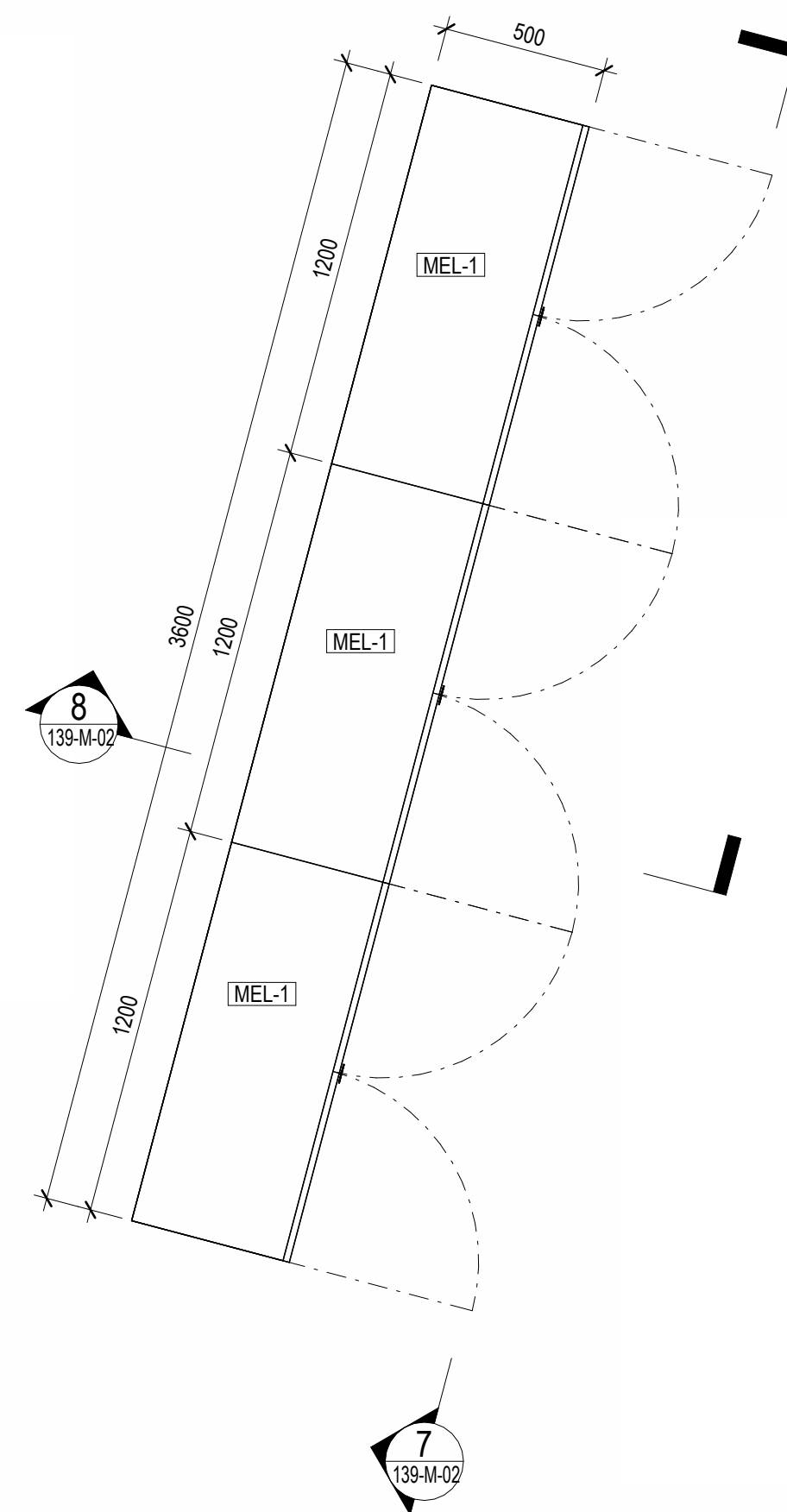
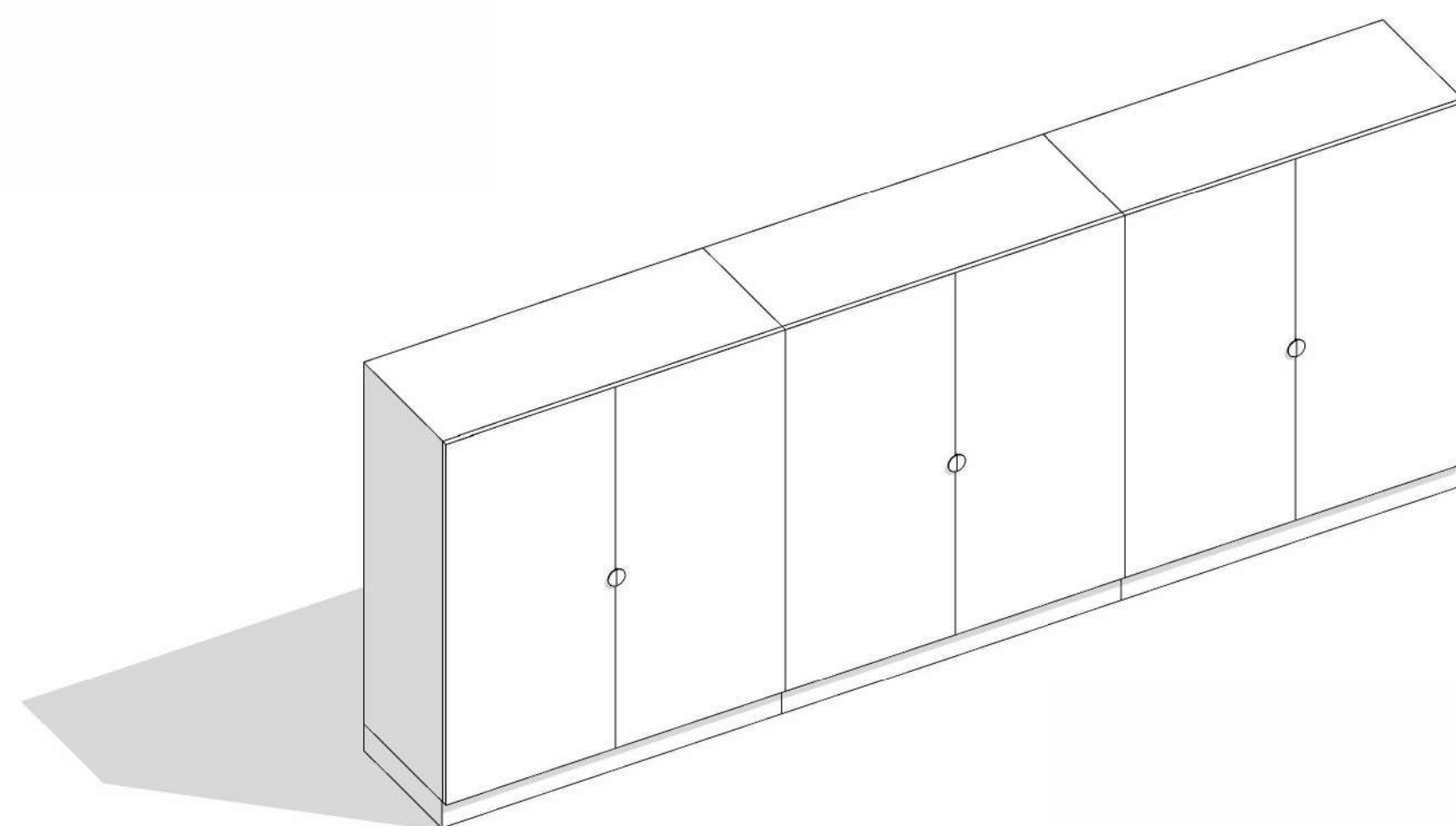
2 **JU-3 PLAN**  
SCALE 1 : 20



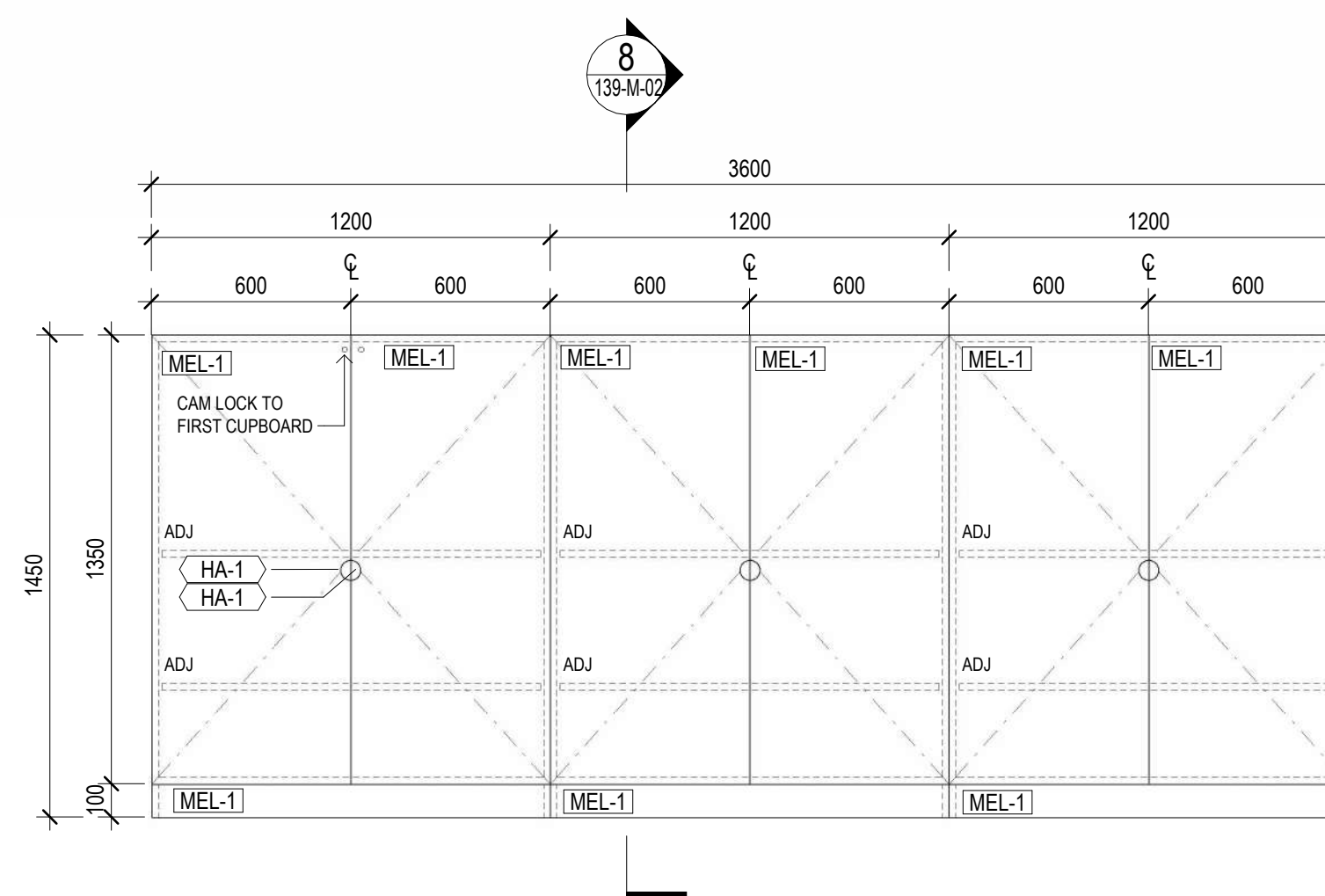
3 **JU-3 ELEVATION**  
SCALE 1 : 20



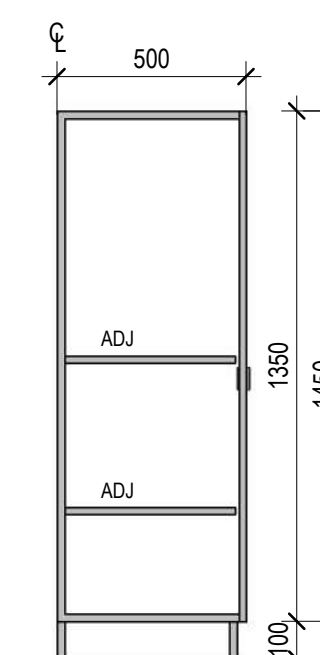
4 **JU-3 SECTION**  
SCALE 1 : 20



6 **JU-4 PLAN**  
SCALE 1 : 20



7 **JU-4 ELEVATION**  
SCALE 1:20



8 **JU-4 SECTION**  
SCALE 1:20

**Date:** 12/08/2025  
**Job Ref:** 364920

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*Jim Woolcock*  
BDAV Member - Jim Woolcock

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

1:20	AT A1	DO NOT SCALE
STATUS		

PRELIMINARY  
DRAWING

CLASSROOM  
JOINERY 02

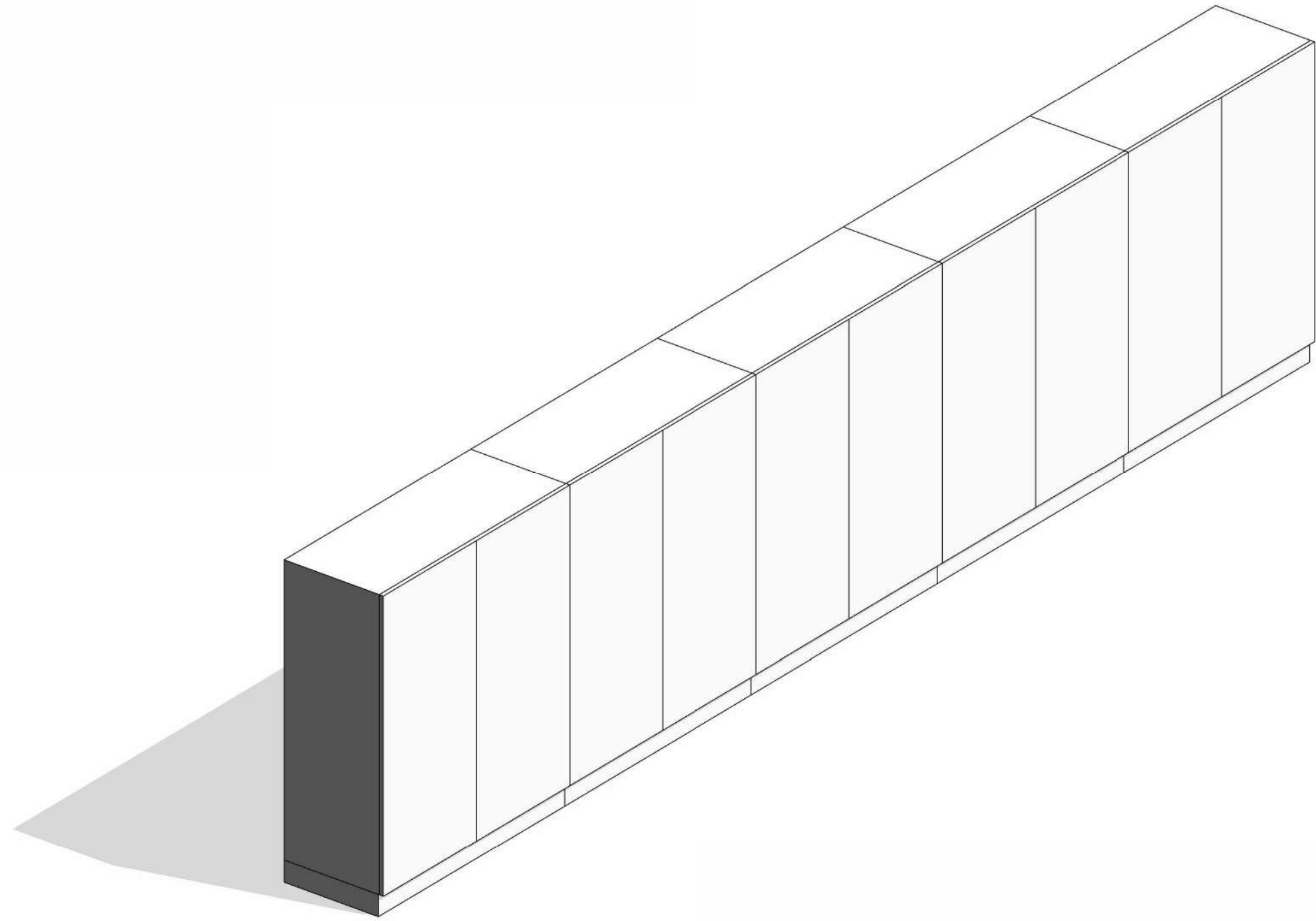
DRAWING NUMBER	ISSUE
139-M-02	P2



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ISSUE	DATE	REVISIONS
P1	30.04.2025	Cost Plan B
P2	03.07.2025	COST PLAN C



4  
139-M-03

3  
139-M-03

2 JU-5 PLAN  
SCALE 1 : 20

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

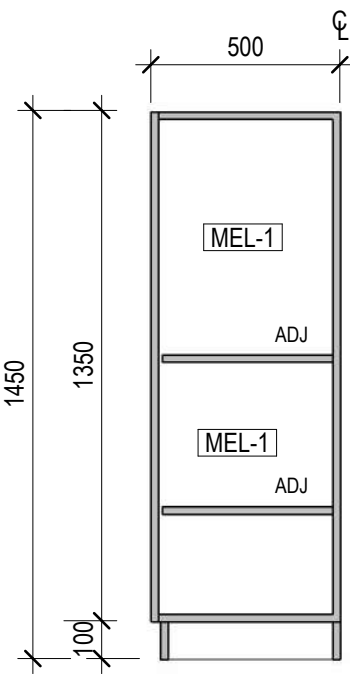
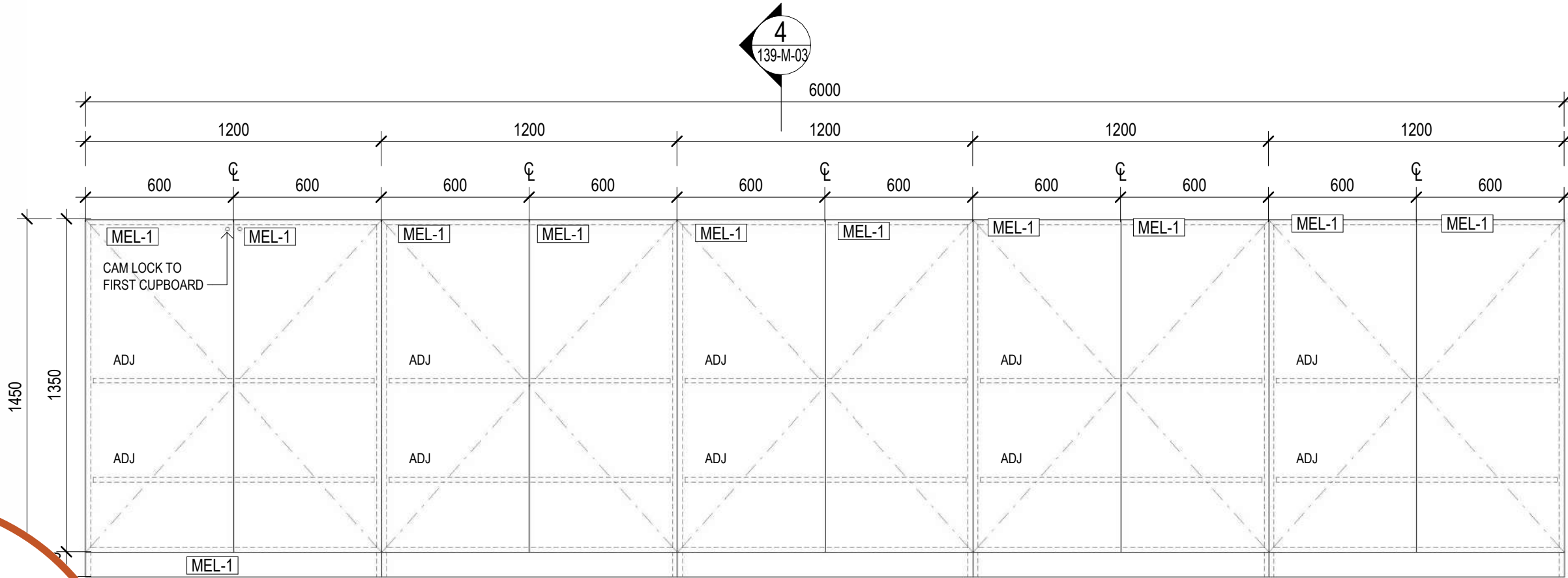
SCALE

1 : 20 AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

CLASSROOM  
JOINERY 03

DRAWING NUMBER	ISSUE
139-M-03	P2



4 JU-5 SECTION  
SCALE 1 : 20

Date: 12/08/2025  
Job Ref: 364920  
Refer to page 3, 'Action Summary'  
for compliance requirements.



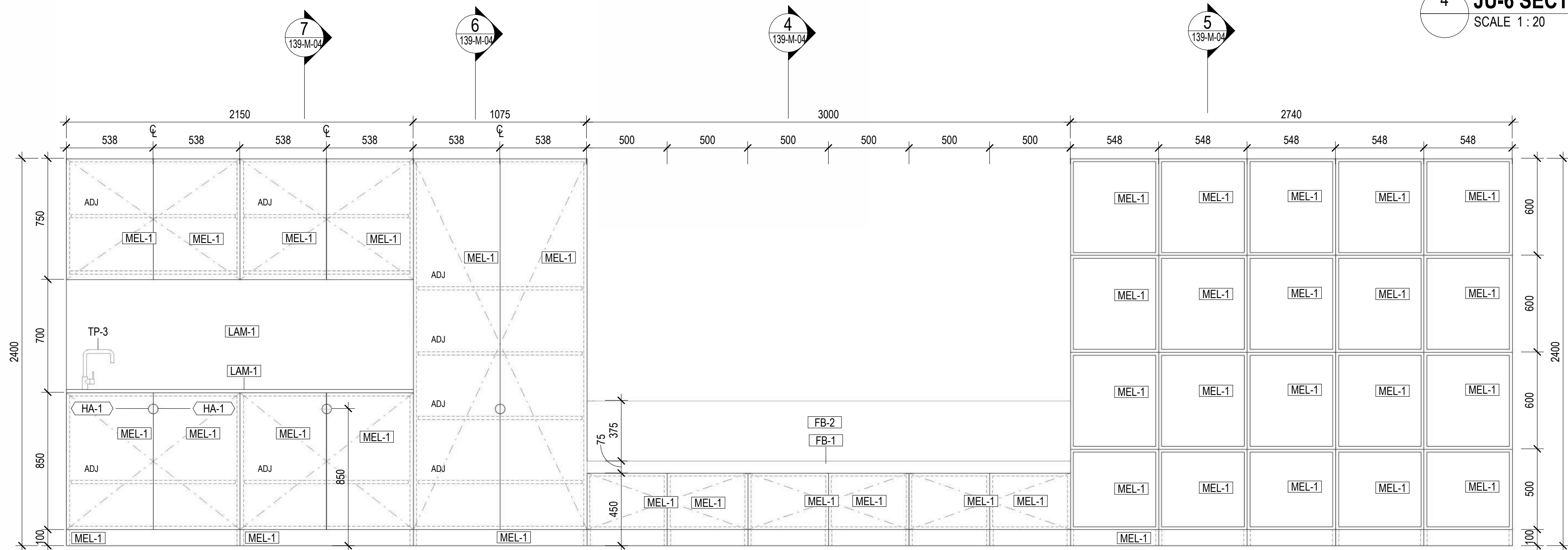
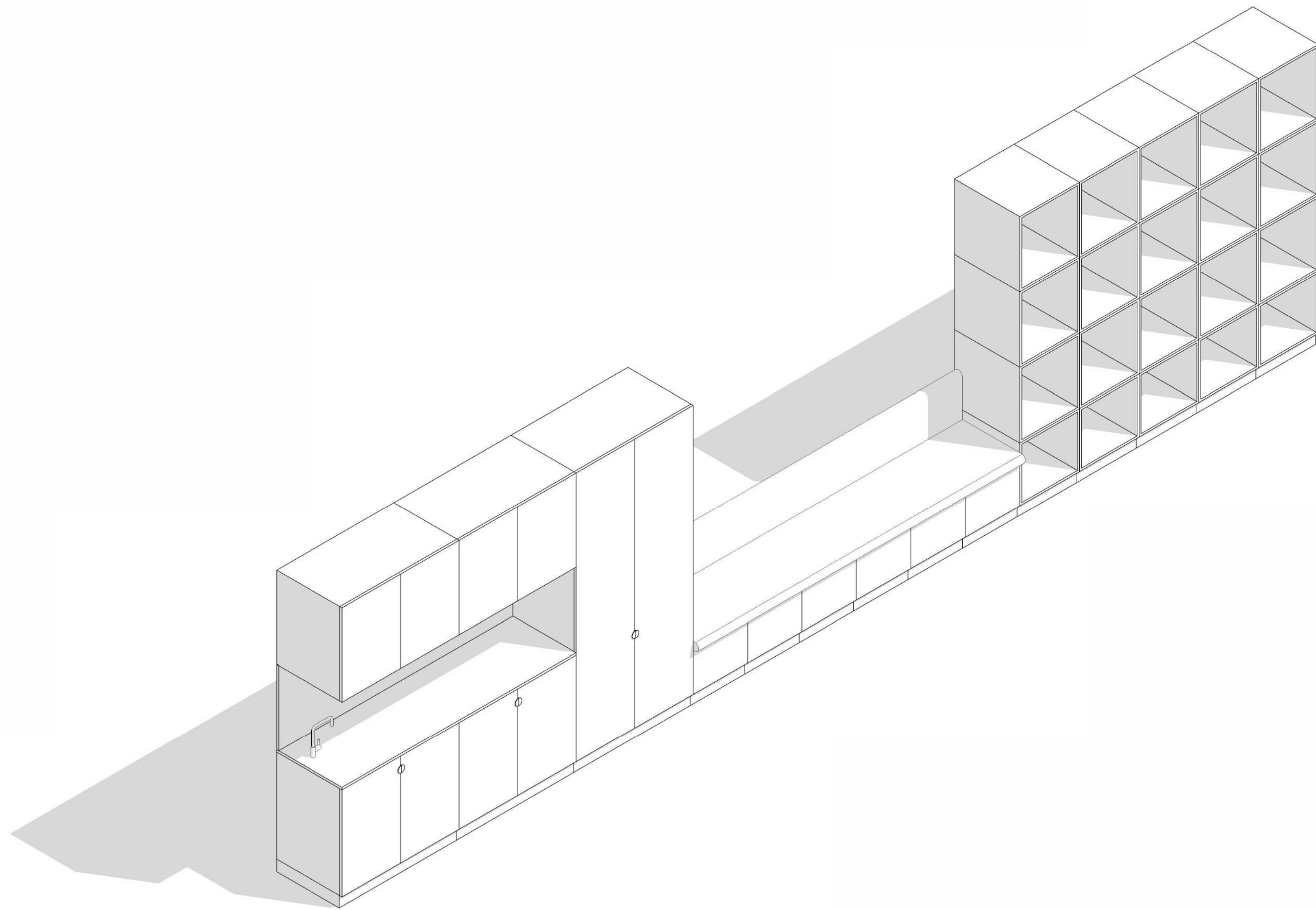
Jim Woolcock  
BDAV Member - Jim Woolcock

ELEVATION  
SCALE 1 : 20

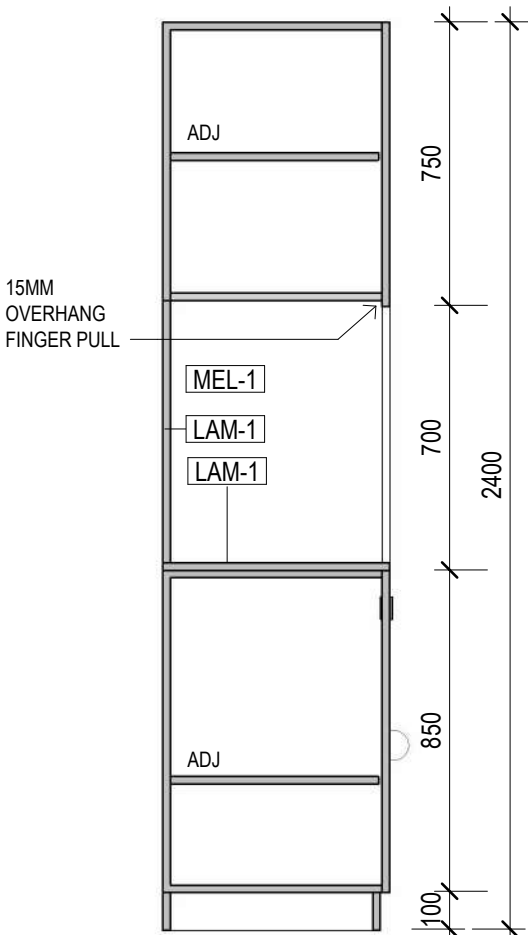
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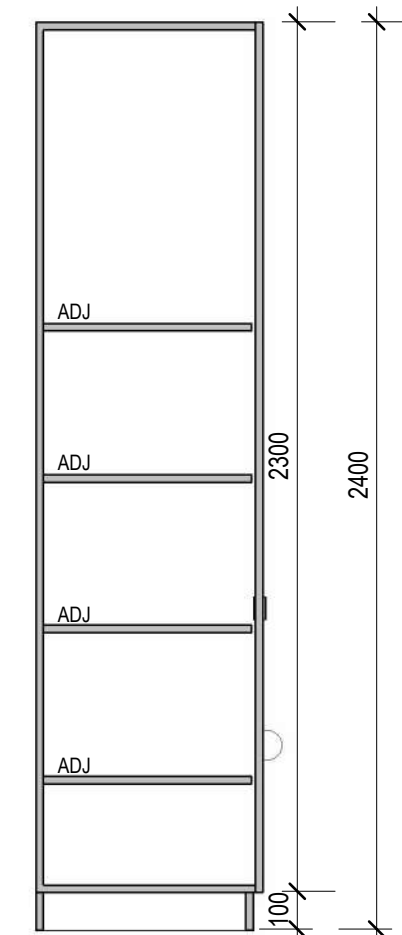
ISSUE	DATE	REVISIONS
P1	30.04.2025	Cost Plan B
P2	03.07.2025	COST PLAN C



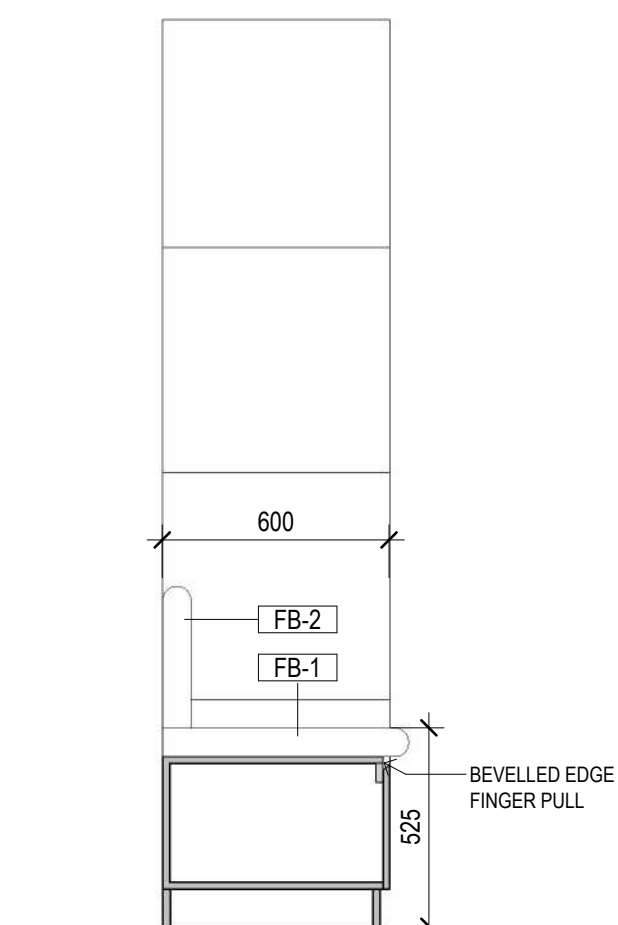
3 JU-6 ELEVATION  
SCALE 1 : 20



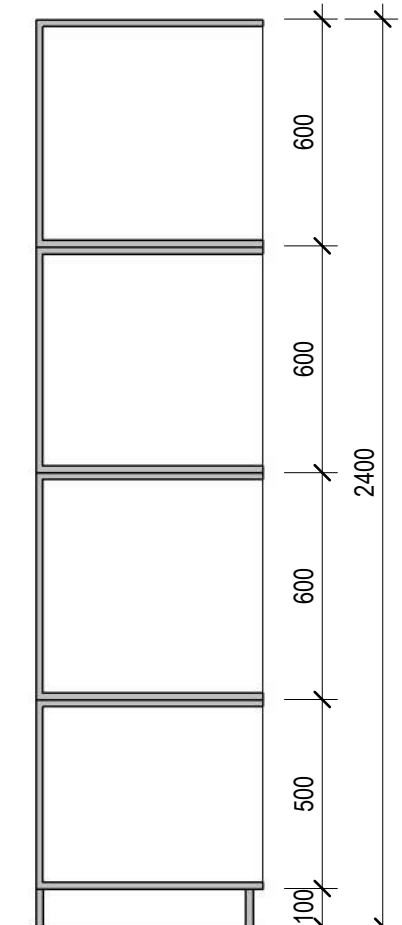
7 JU-6 SECTION A  
SCALE 1 : 20



6 JU-6 SECTION B  
SCALE 1 : 20



4 JU-6 SECTION C  
SCALE 1 : 20



5 JU-6 SECTION D  
SCALE 1 : 20

Date: 12/08/2025  
Job Ref: 364920

Refer to page 3, 'Action Summary'  
for compliance requirements.



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BDAV Member - Jim Woolcock

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

1 : 20 AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

ATELIER JOINERY

DRAWING NUMBER  
139-M-04

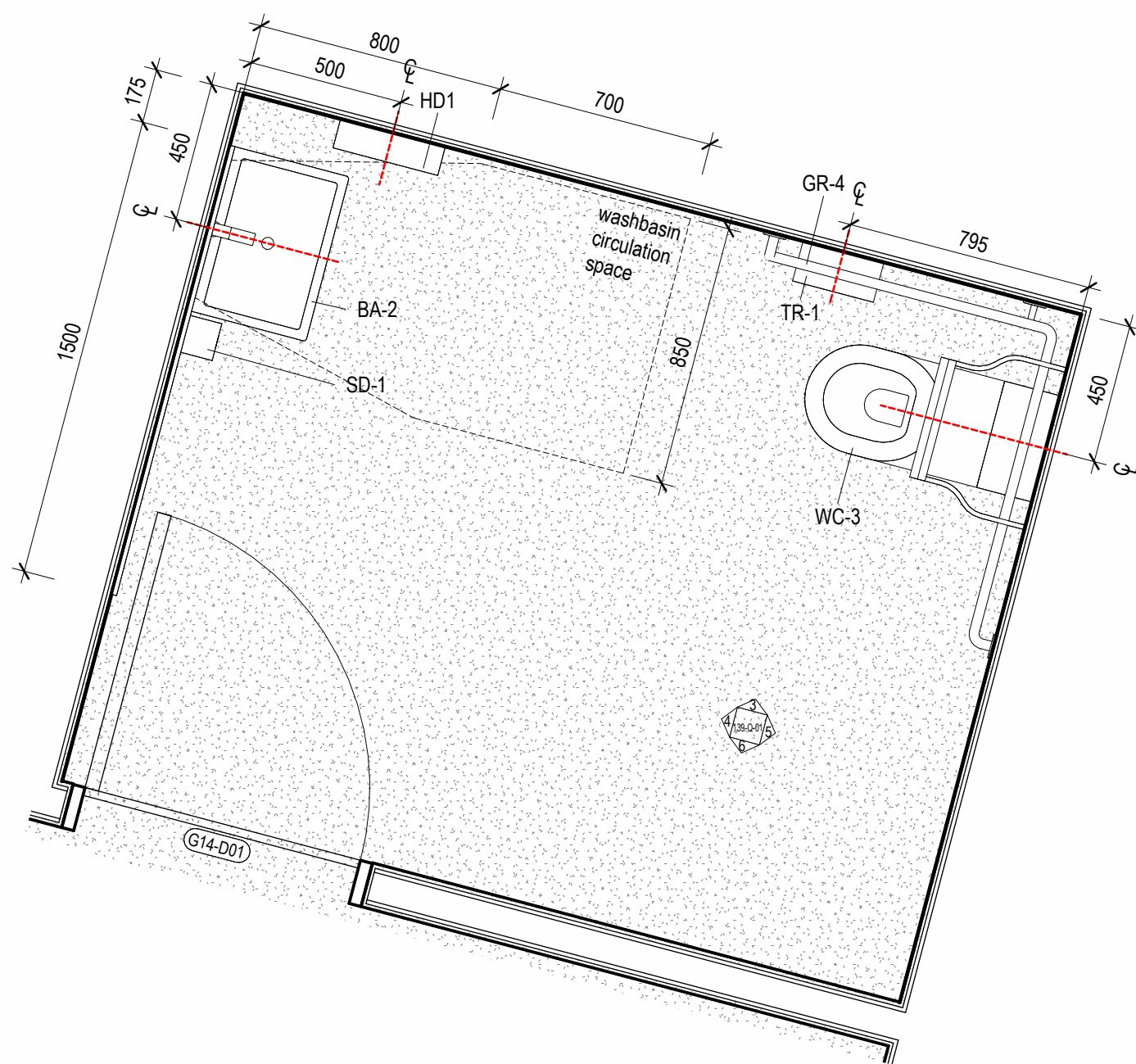
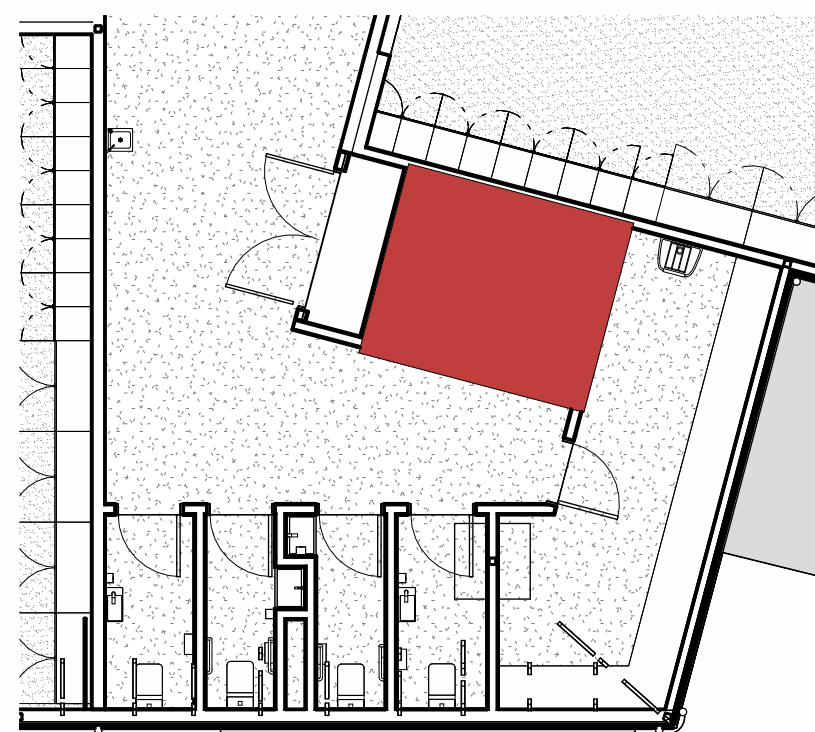
ISSUE  
P2



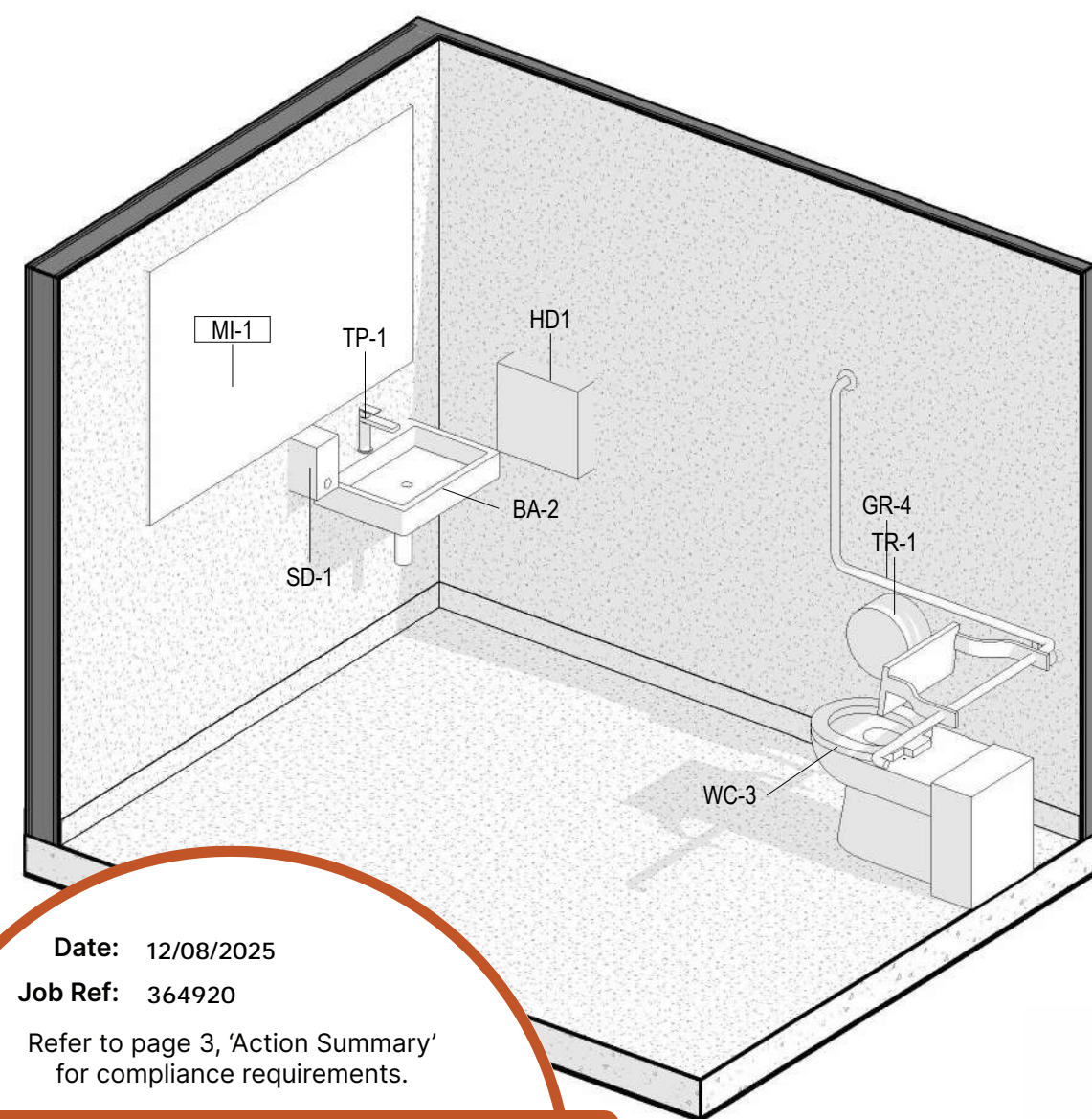
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ISSUE	DATE	REVISIONS
P1	03.07.2025	COST PLAN C



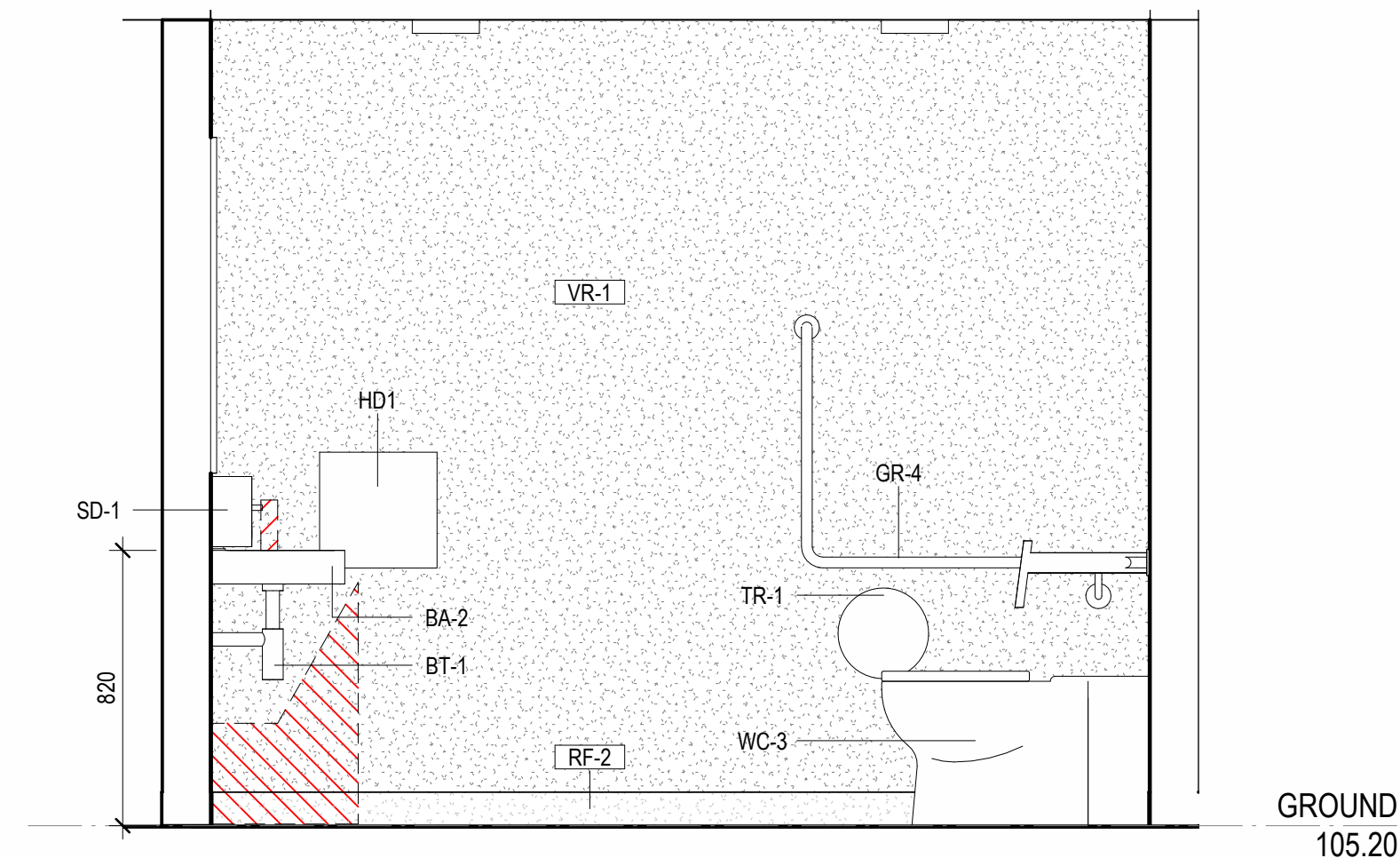
# 1 STUDENT ACCESSIBLE TOILET PLAN



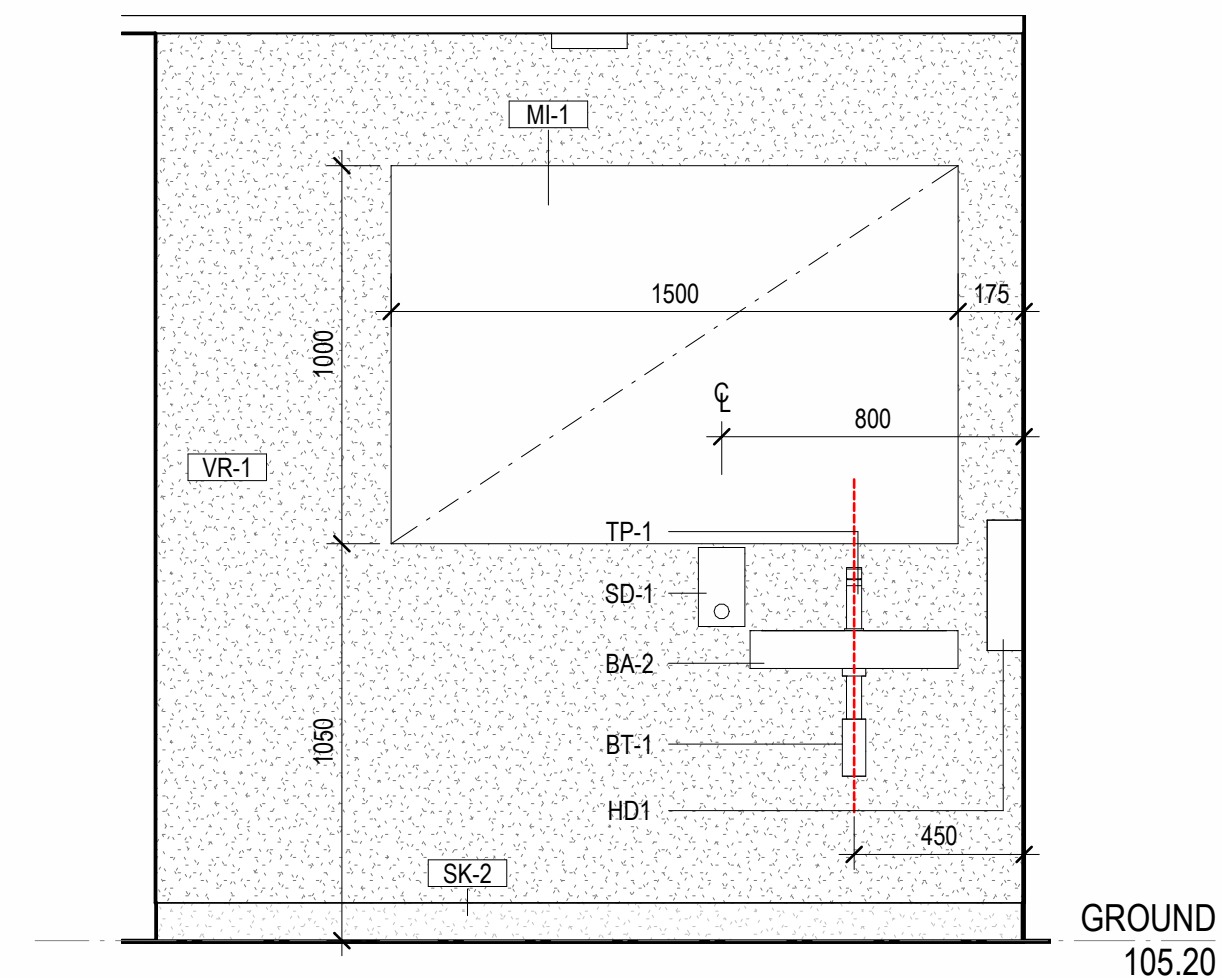
**Date:** 12/08/2025  
**Job Ref:** 364920  
Refer to page 3, 'Action Summary  
for compliance requirements.



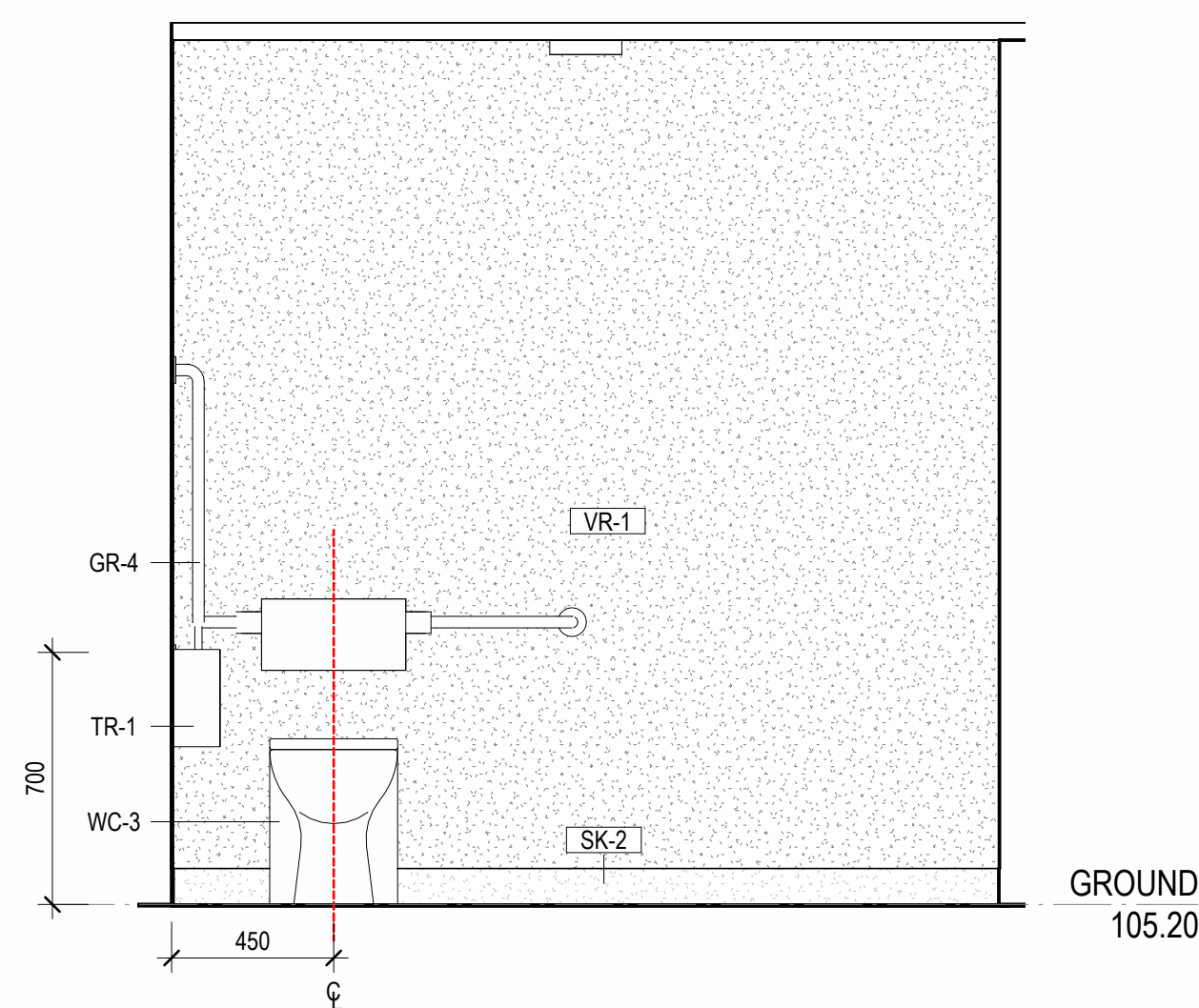
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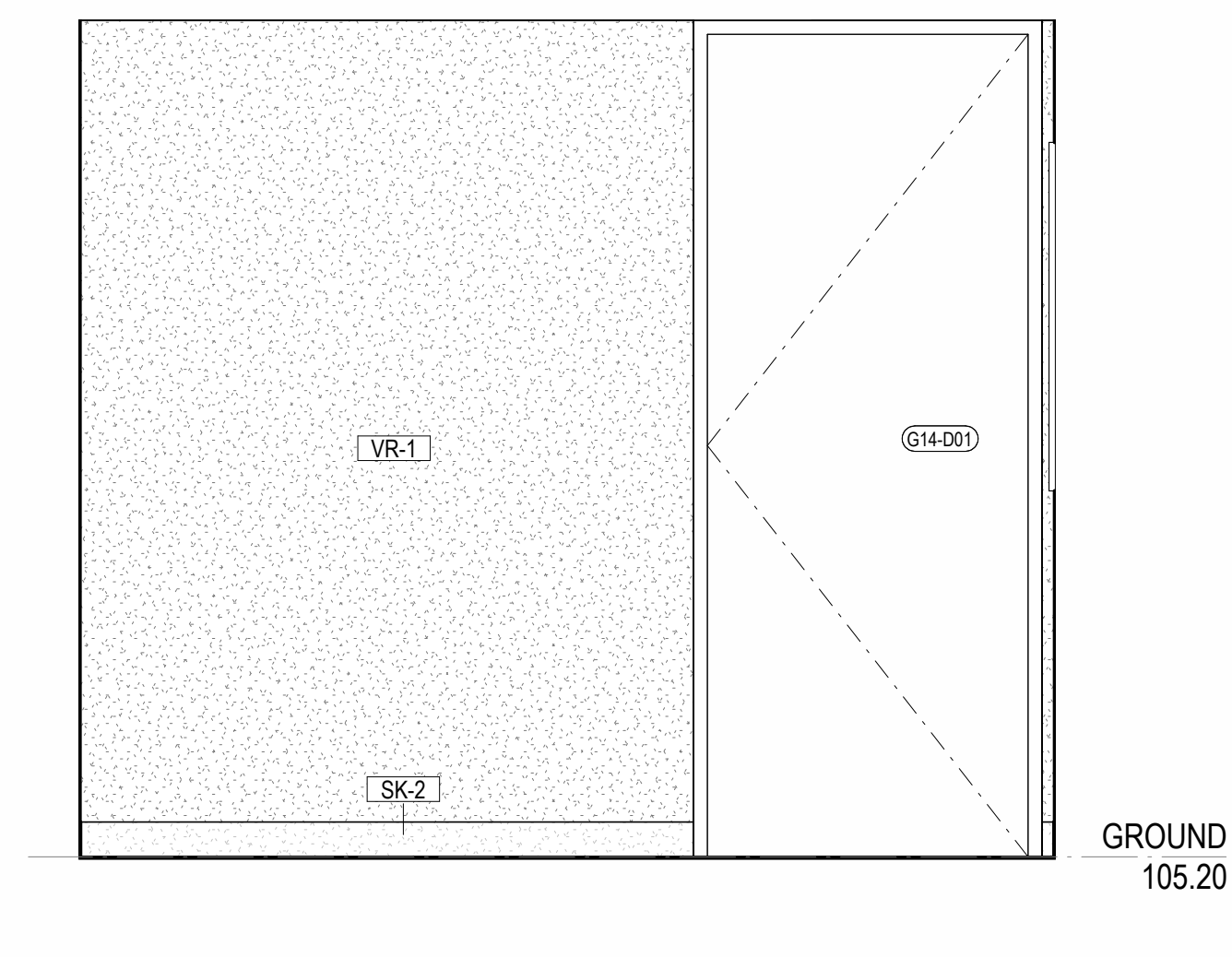
**3 STUDENT ACCESSIBLE TOILET - EAST**  
SCALE 1 : 20



4 **STUDENT ACCESSIBLE TOILET - NORTH**  
SCALE 1 : 20



5 **STUDENT ACCESSIBLE TOILET - SOUTH**  
SCALE 1 : 20



6 **STUDENT ACCESSIBLE TOILET - WEST**  
SCALE 1 : 20

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

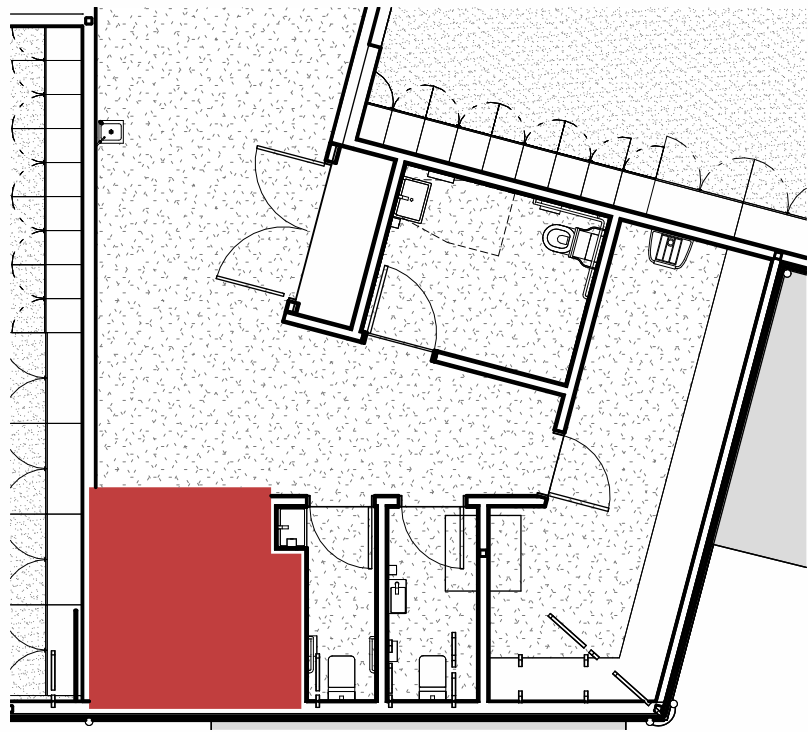
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As indicated	AT A1	DO NOT SCALE
STATUS		

PRELIMINARY  
DRAWINGSTUDENTS  
AMENITIES 01

DRAWING NUMBER	ISSUE
139-Q-01	P1

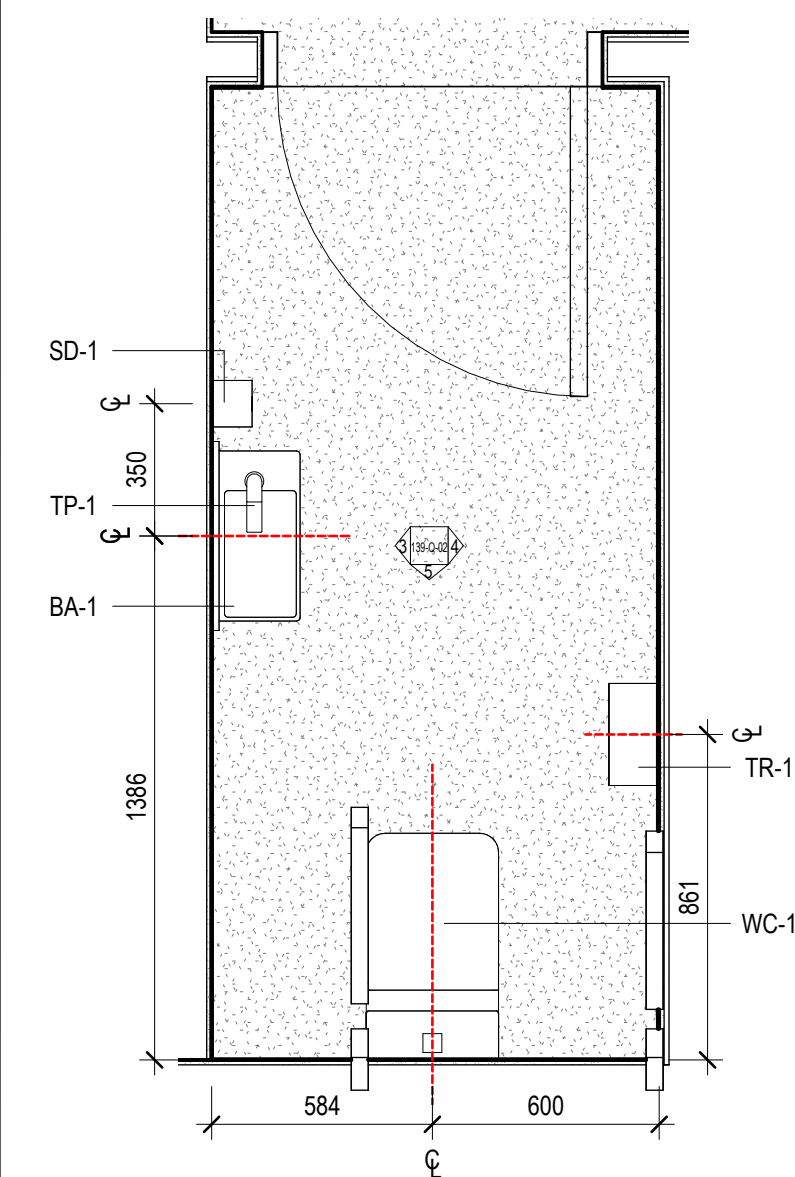




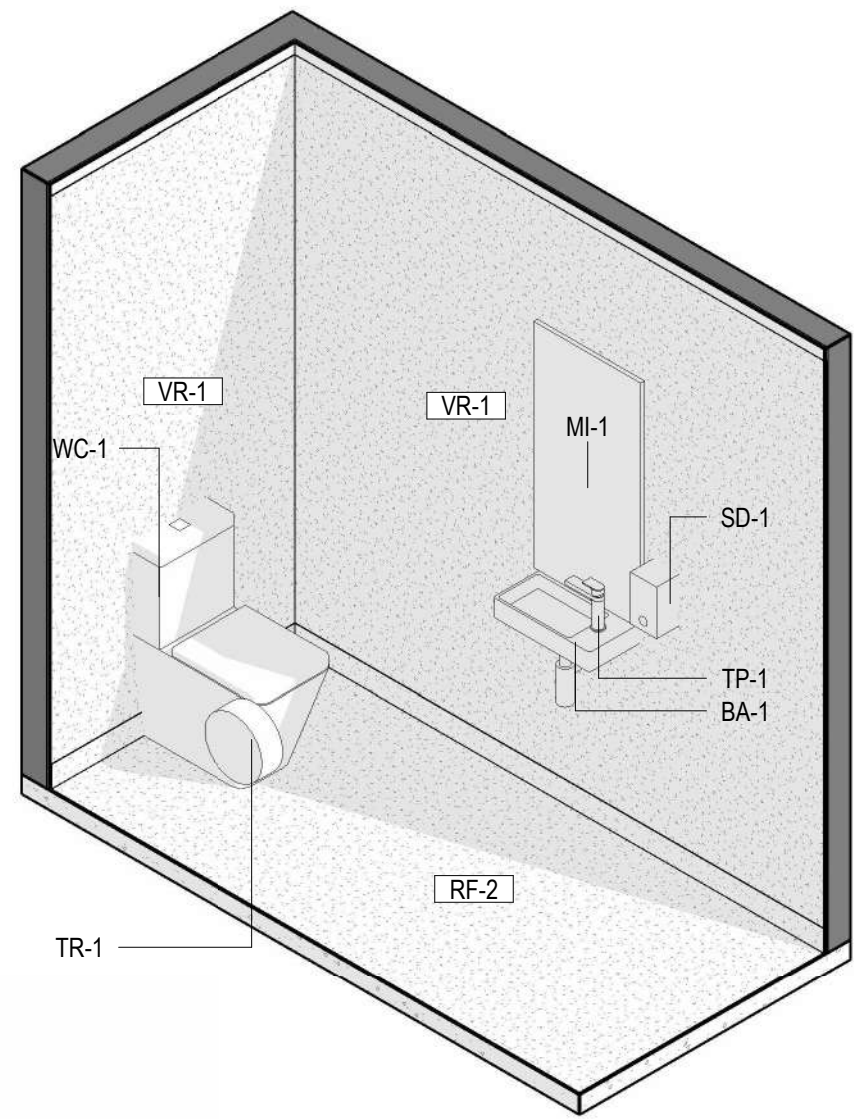
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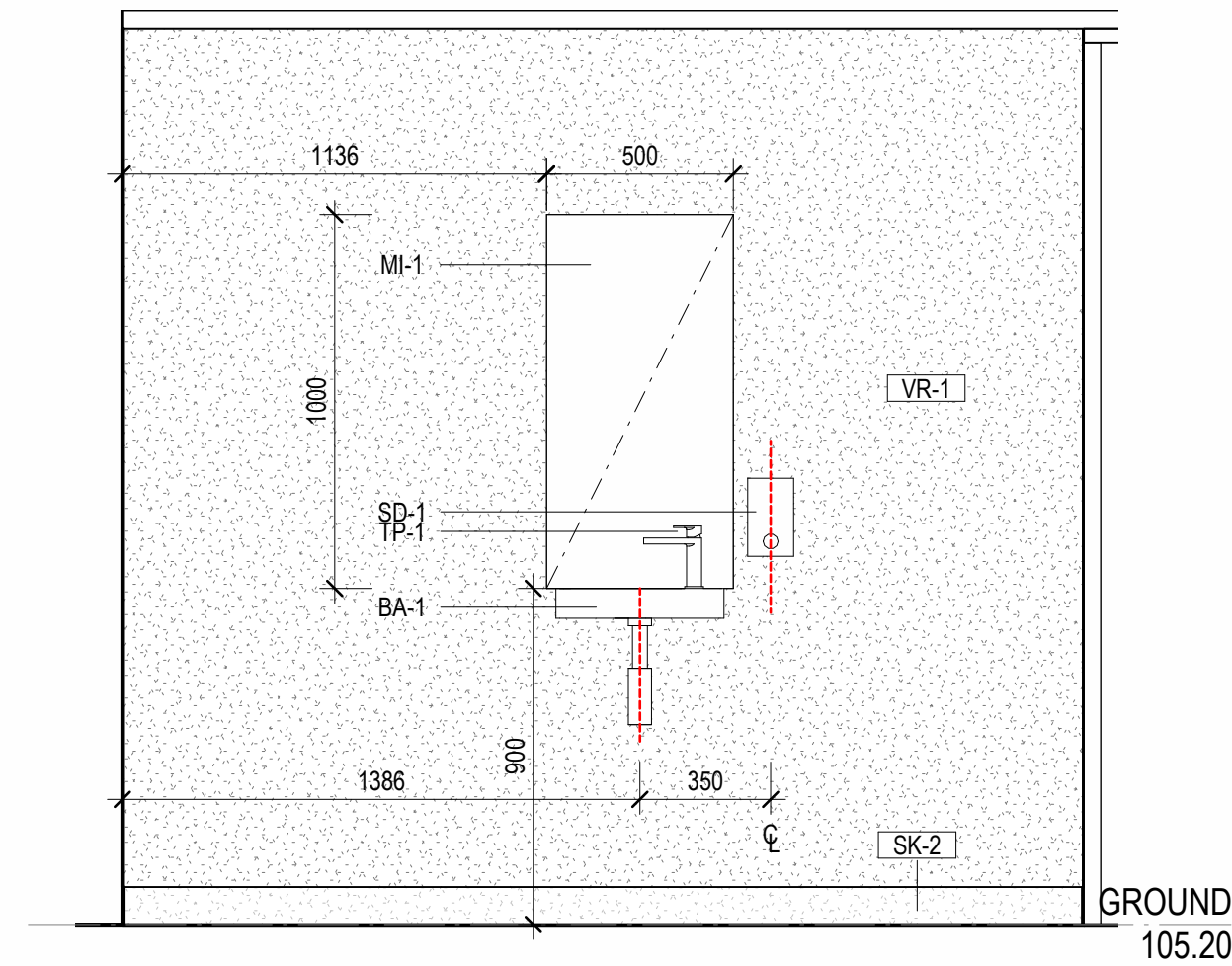
ISSUE	DATE	REVISIONS
P1	03.07.2025	COST PLAN C



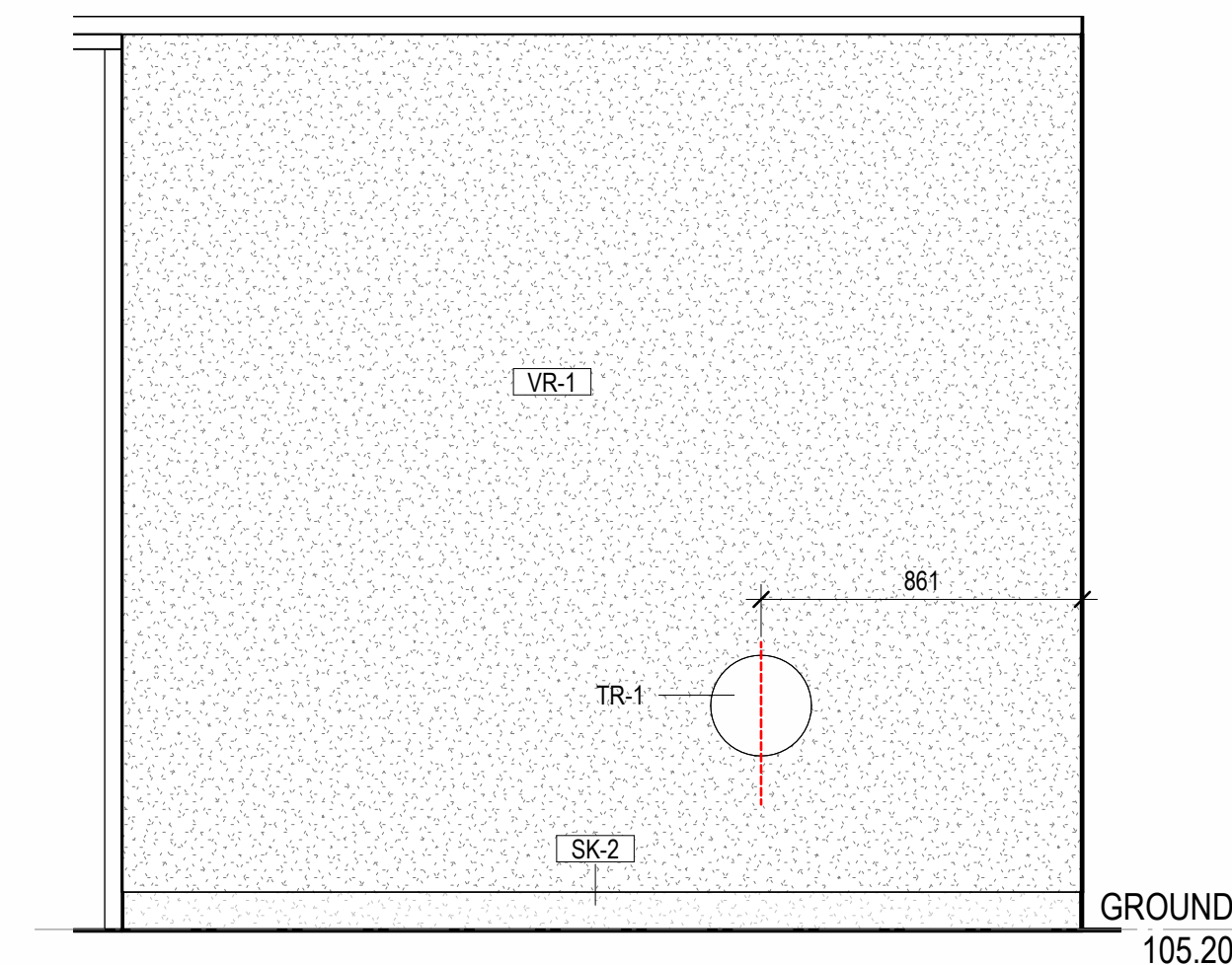
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SCALE 1 : 20



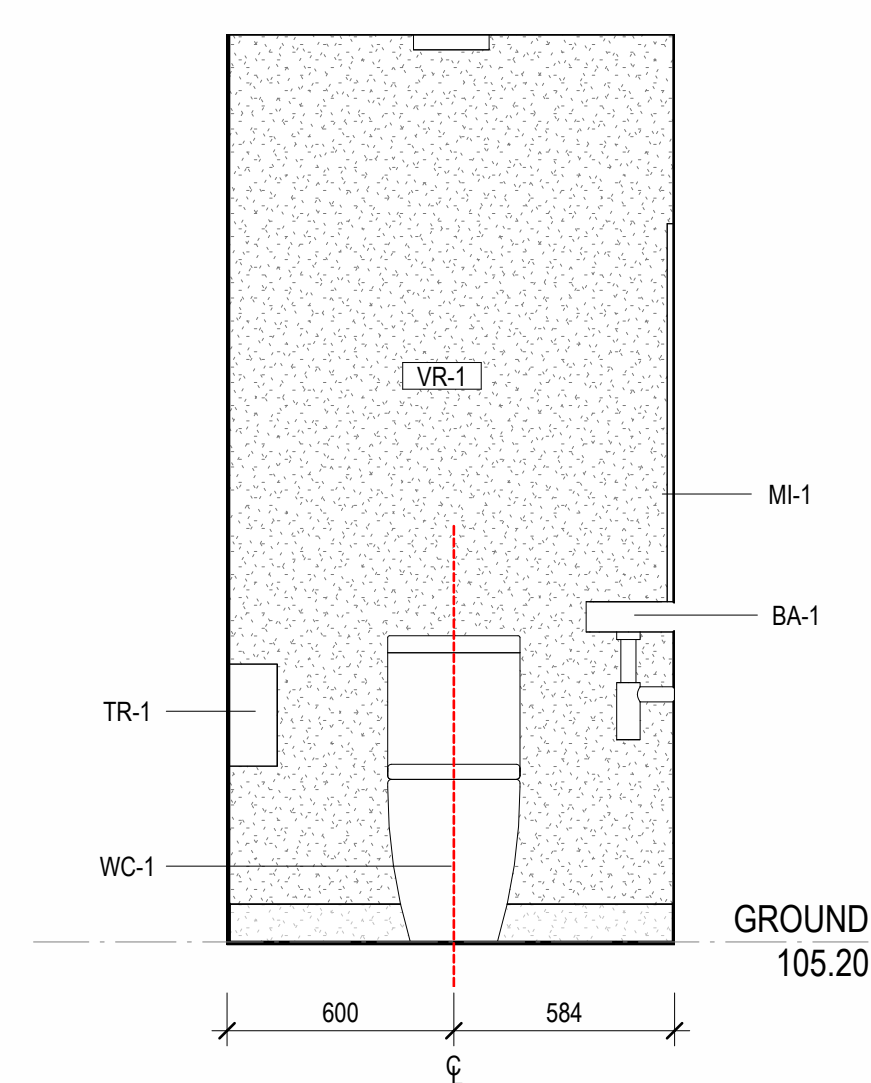
2 MALE STUDENT TOILET ISOMETRIC  
SCALE



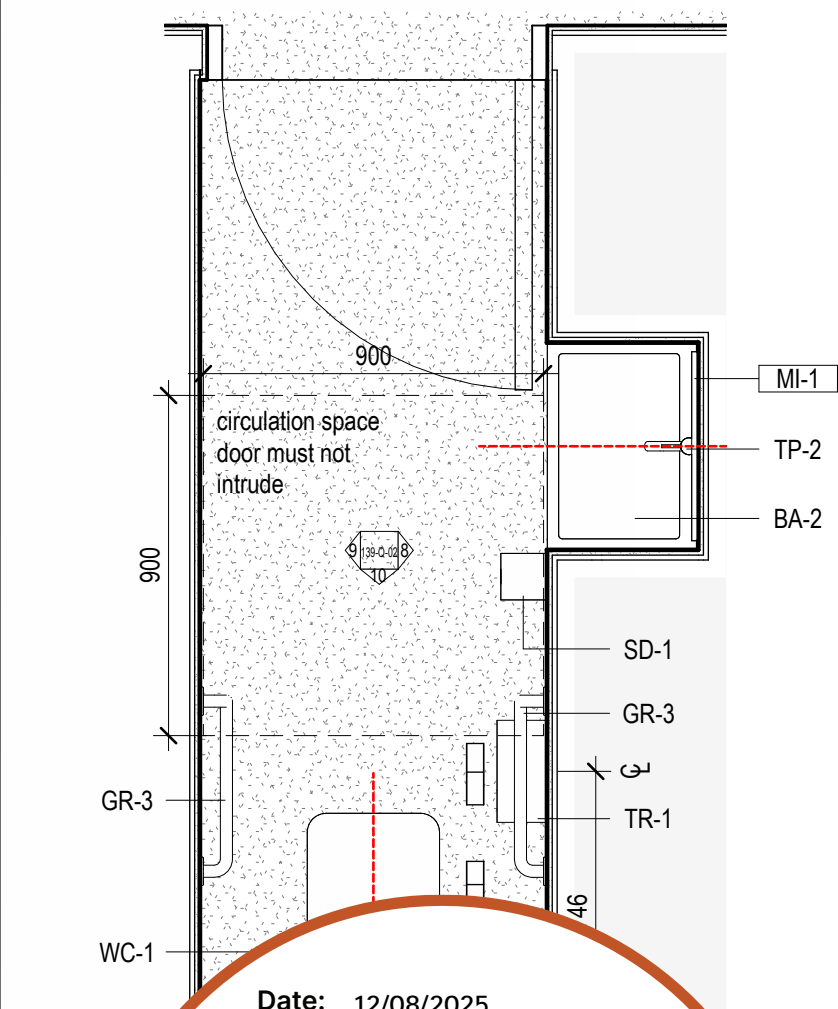
3 MALE STUDENT TOILET - NORTH  
SCALE 1 : 20



4 MALE STUDENT TOILET - SOUTH  
SCALE 1 : 20



5 MALE STUDENT TOILET - WEST  
SCALE 1 : 20

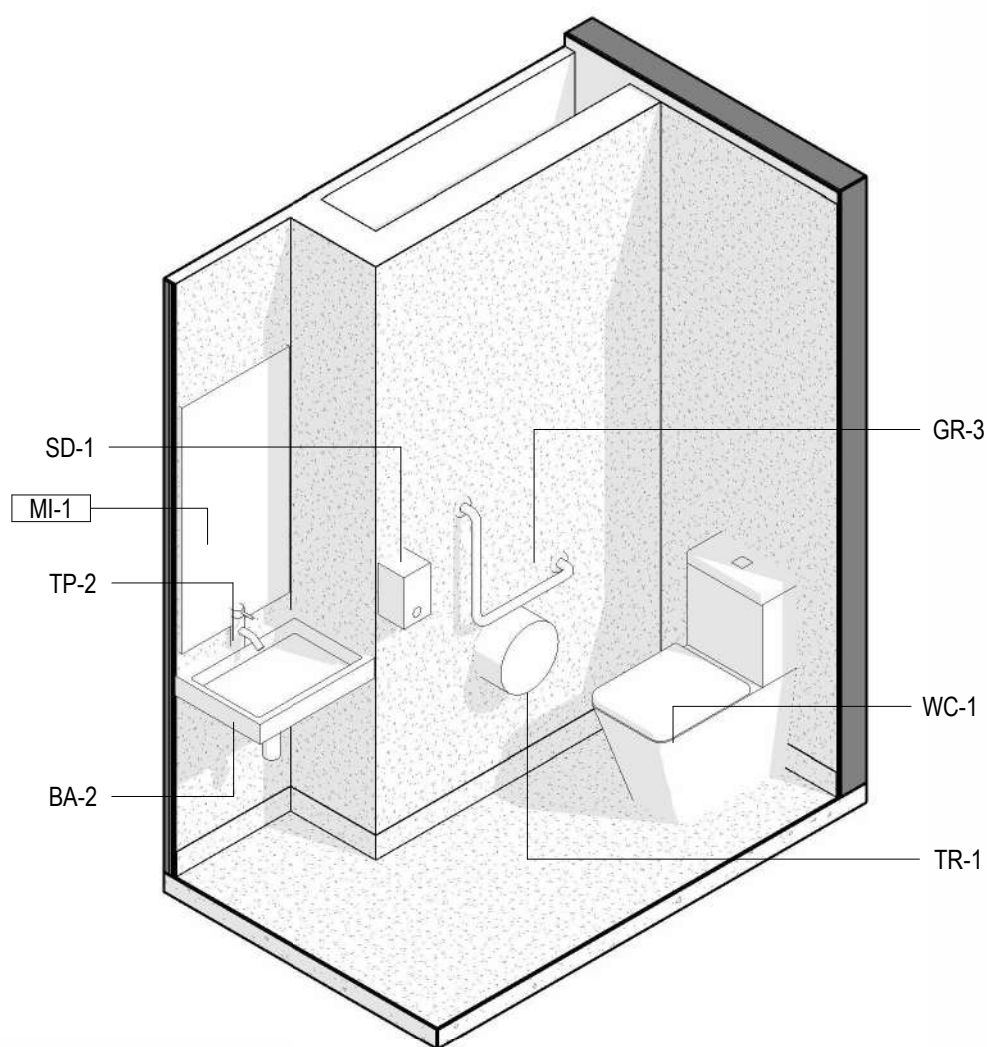


Date: 12/08/2025  
Job Ref: 364920  
Refer to page 3, 'Action Summary'  
for compliance requirements.

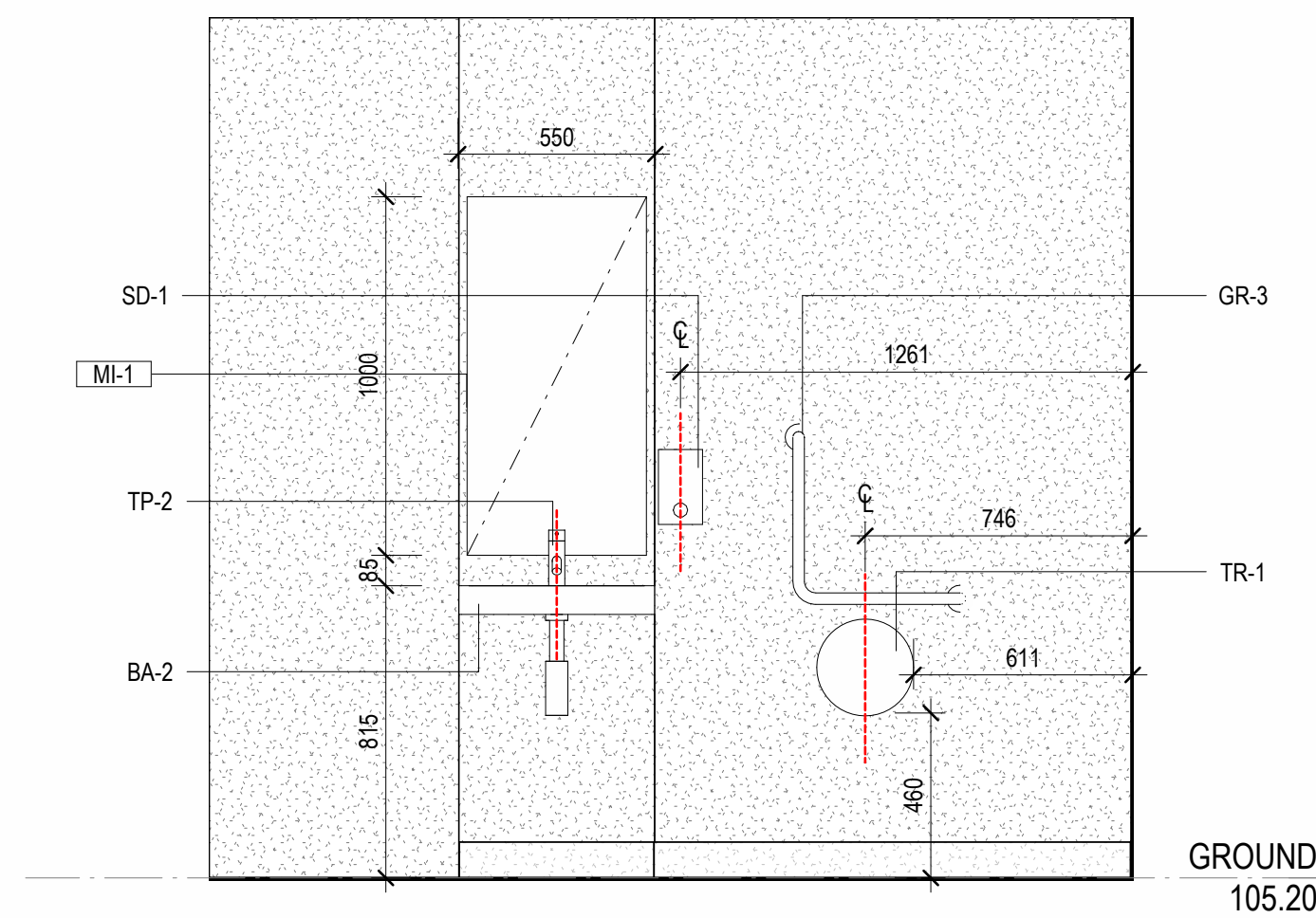


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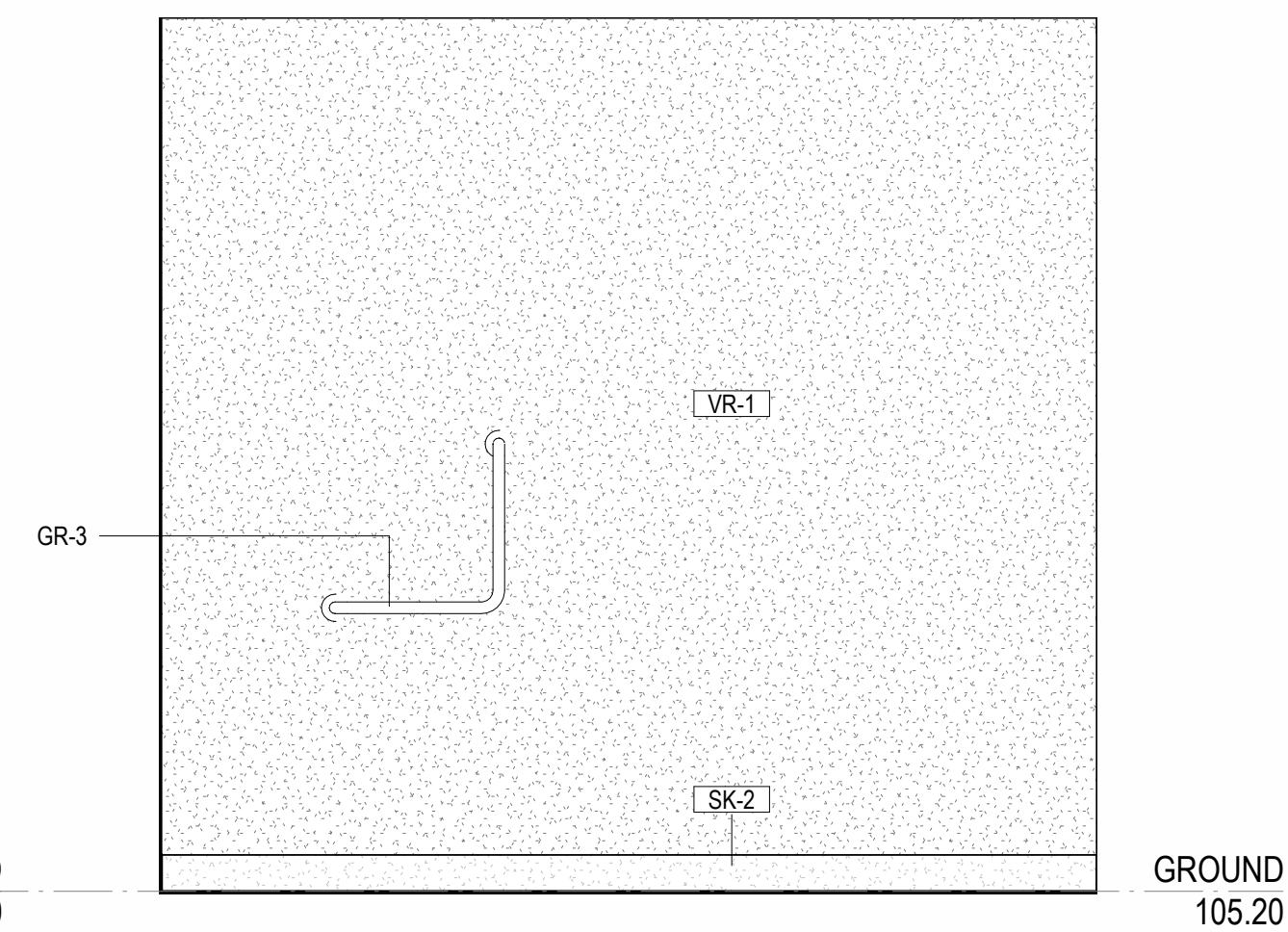
PLAN



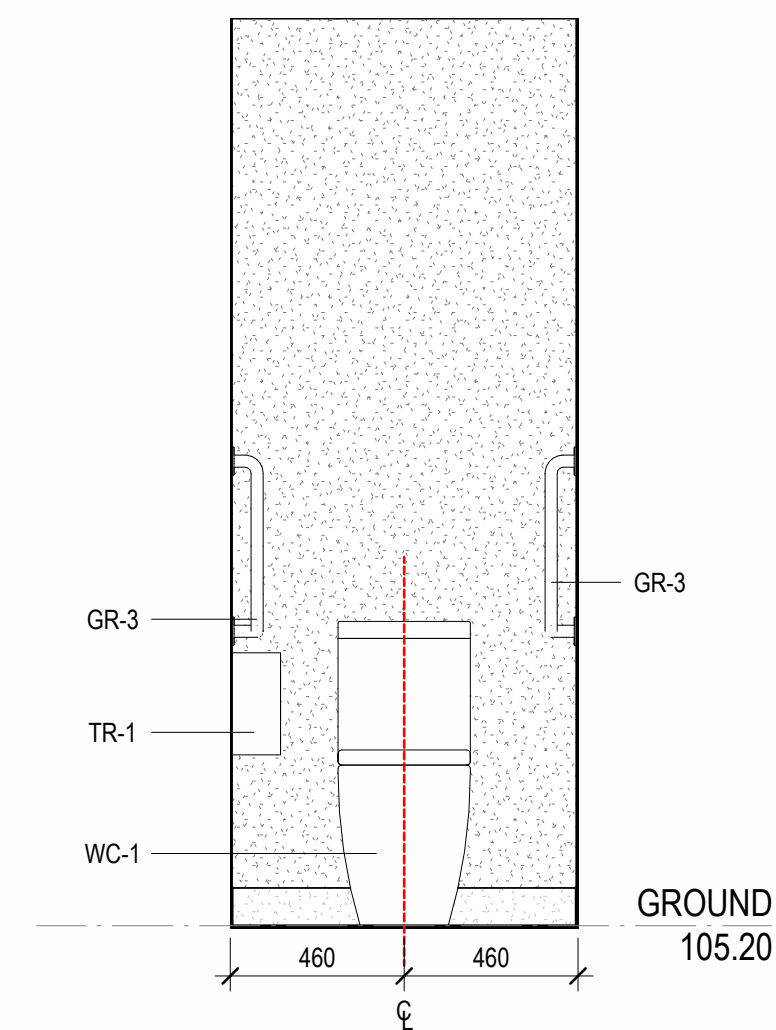
7 MALE AMBULANT TOILET ISOMETRIC  
SCALE



8 MALE AMBULANT TOILET - SOUTH  
SCALE 1 : 20



9 MALE AMBULANT TOILET - NORTH  
SCALE 1 : 20



10 MALE AMBULANT TOILET - WEST  
SCALE 1 : 20

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH  
GRAPHIC SCALE

SCALE

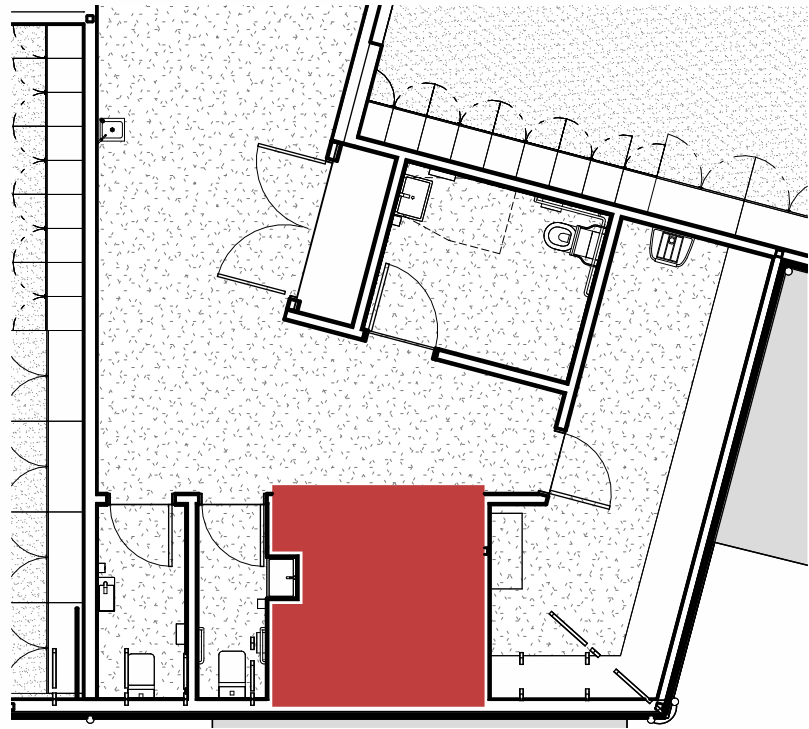
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PRELIMINARY  
DRAWING

STUDENTS  
AMENITIES 02

DRAWING NUMBER	ISSUE
139-Q-02	P1

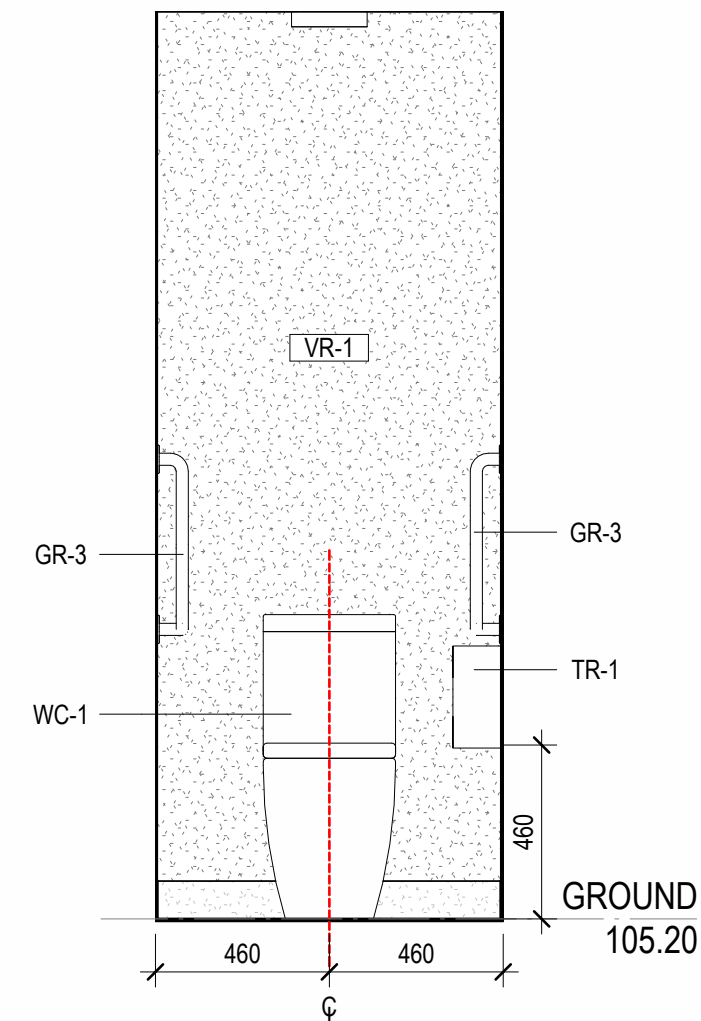
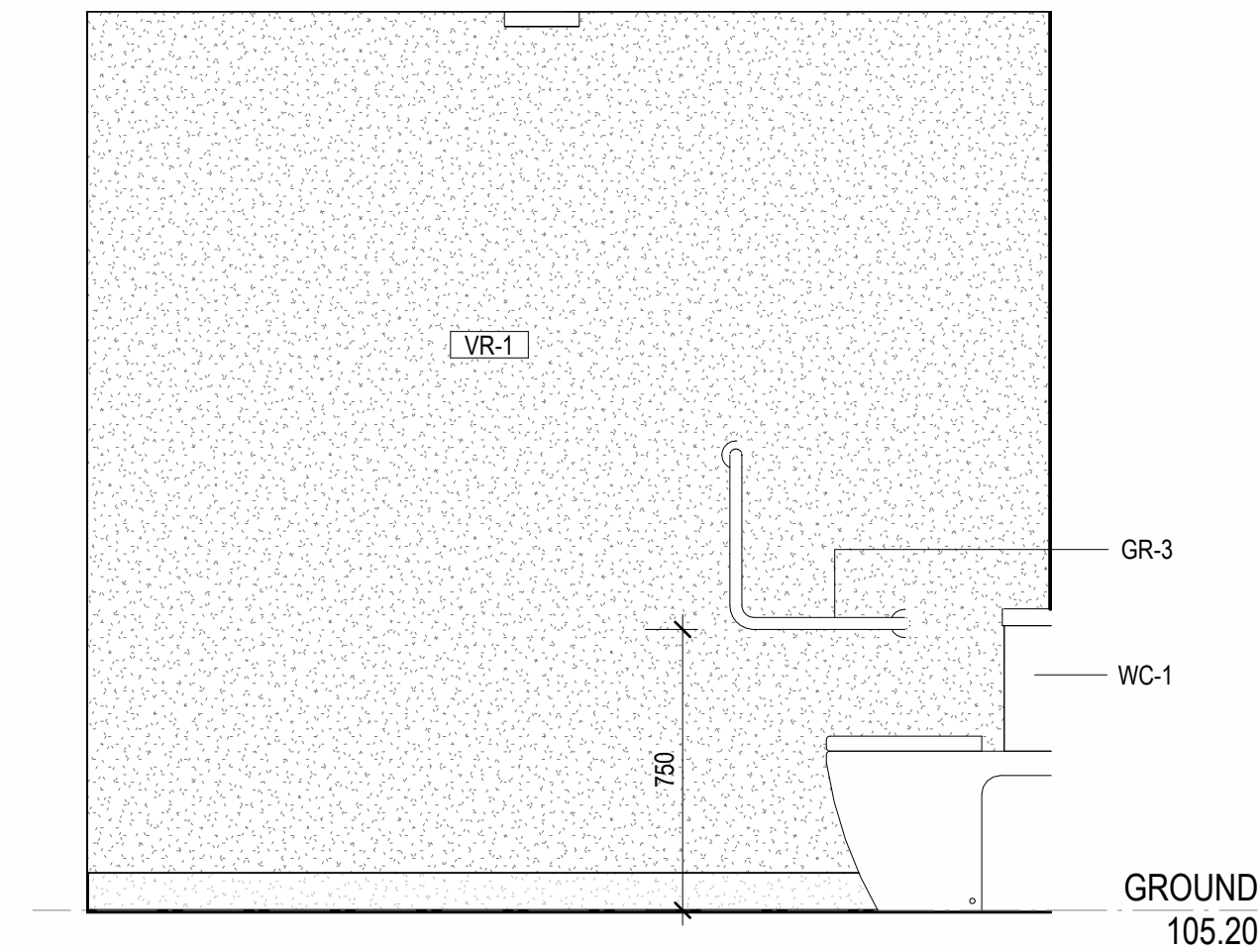
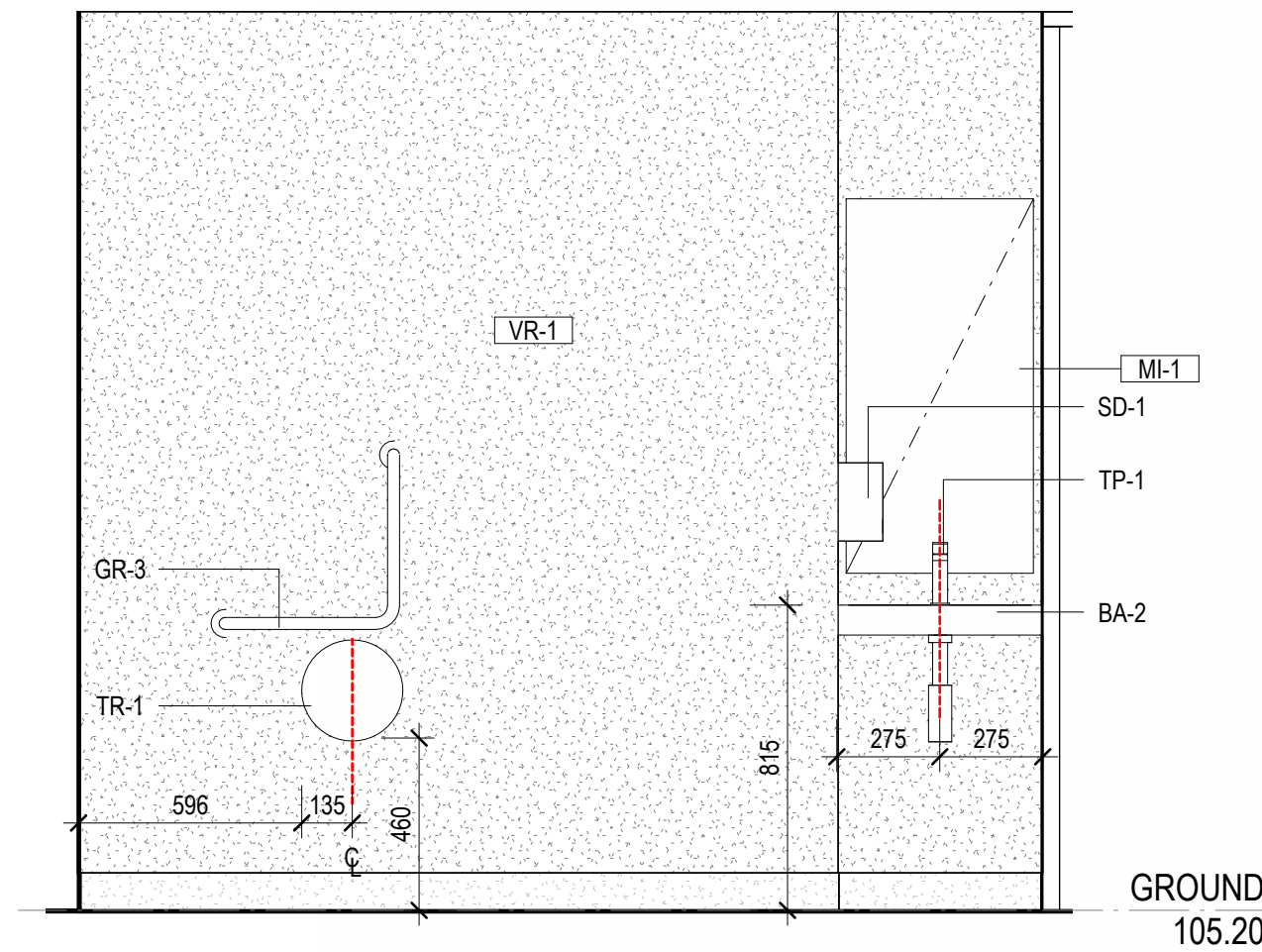
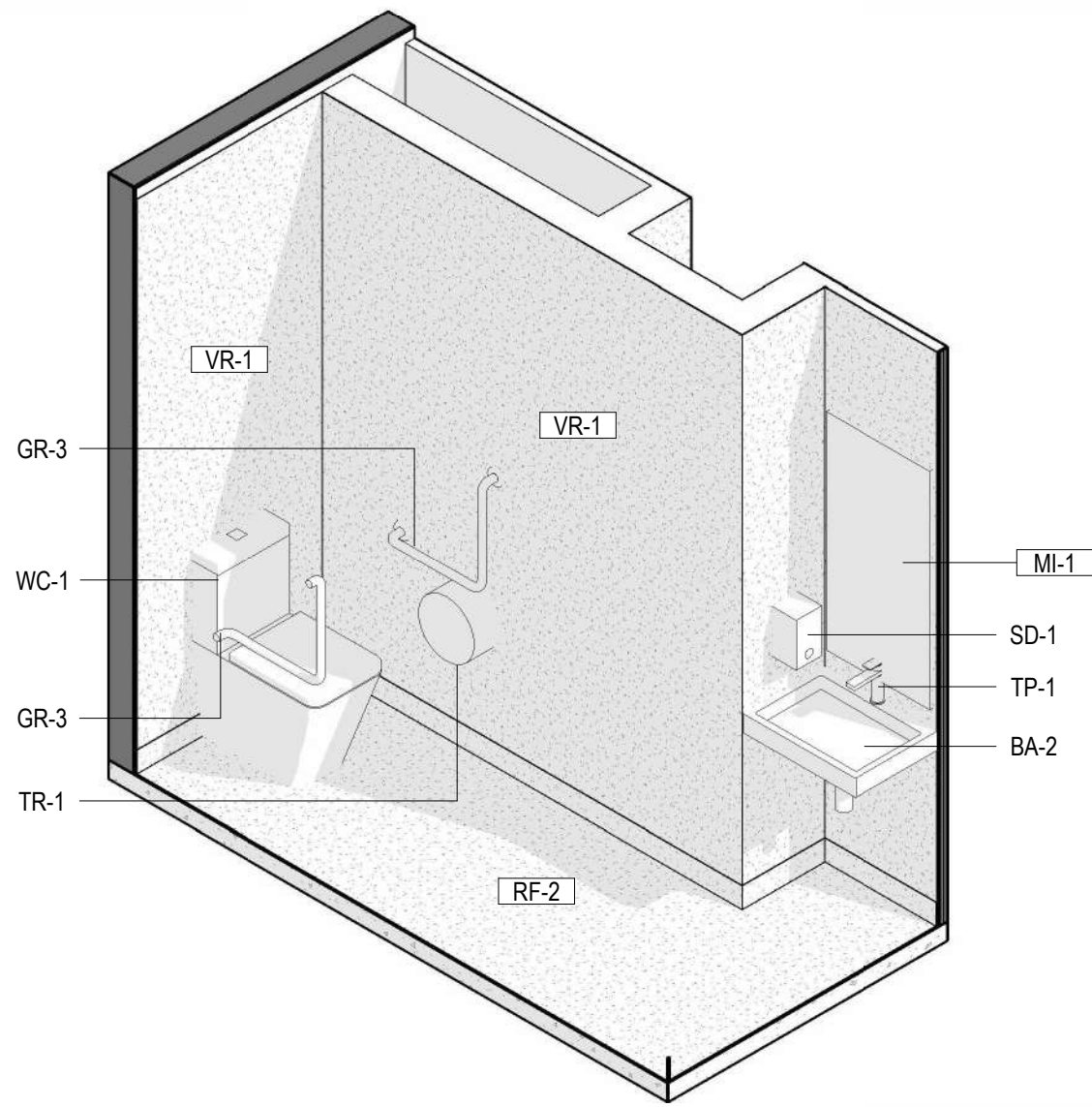
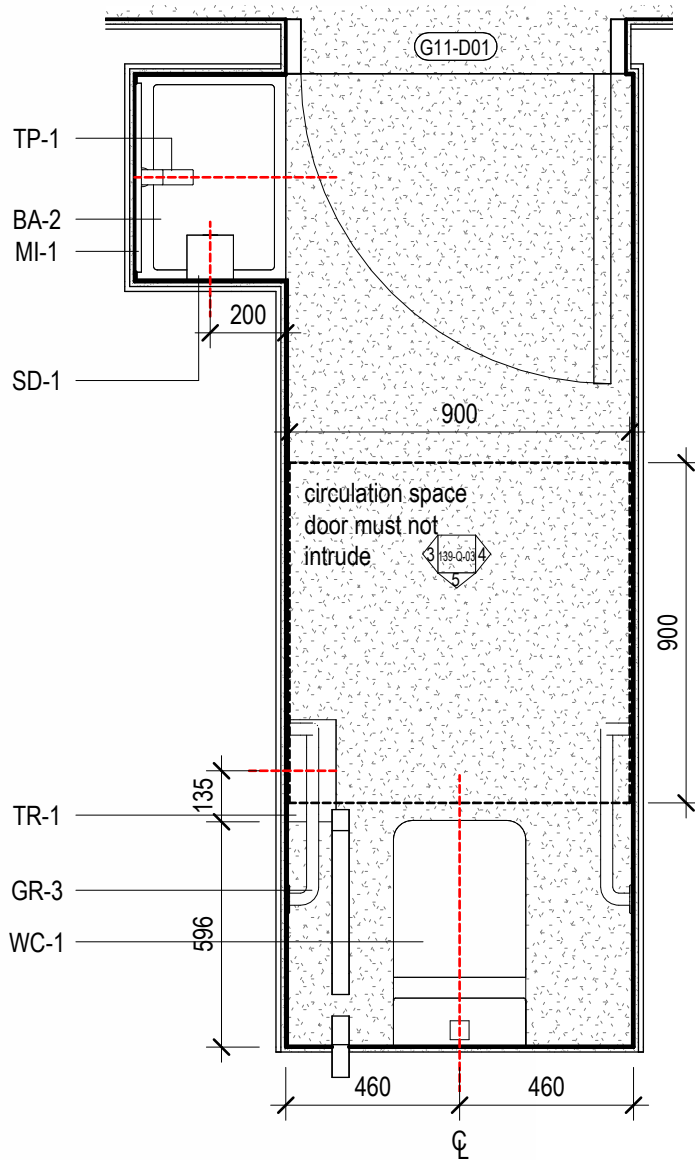




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ISSUE	DATE	REVISIONS
P1	03.07.2025	COST PLAN C



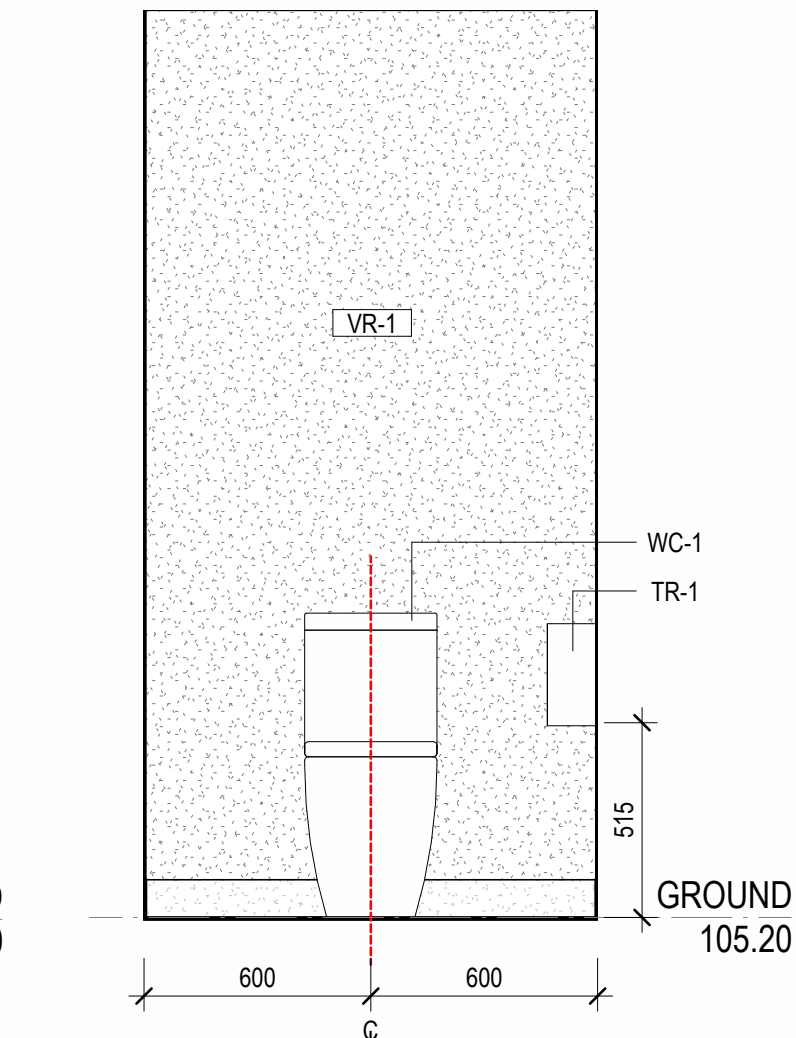
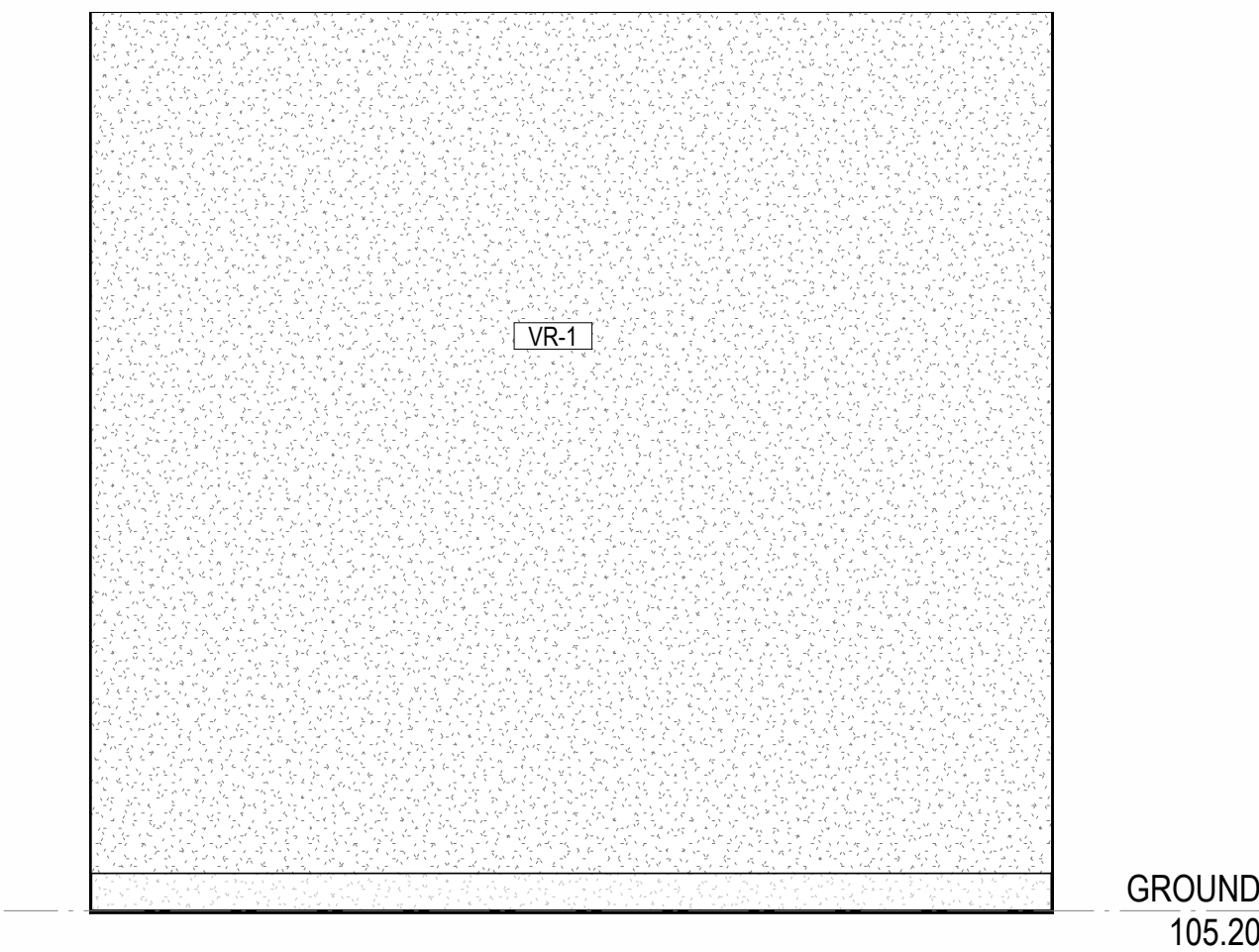
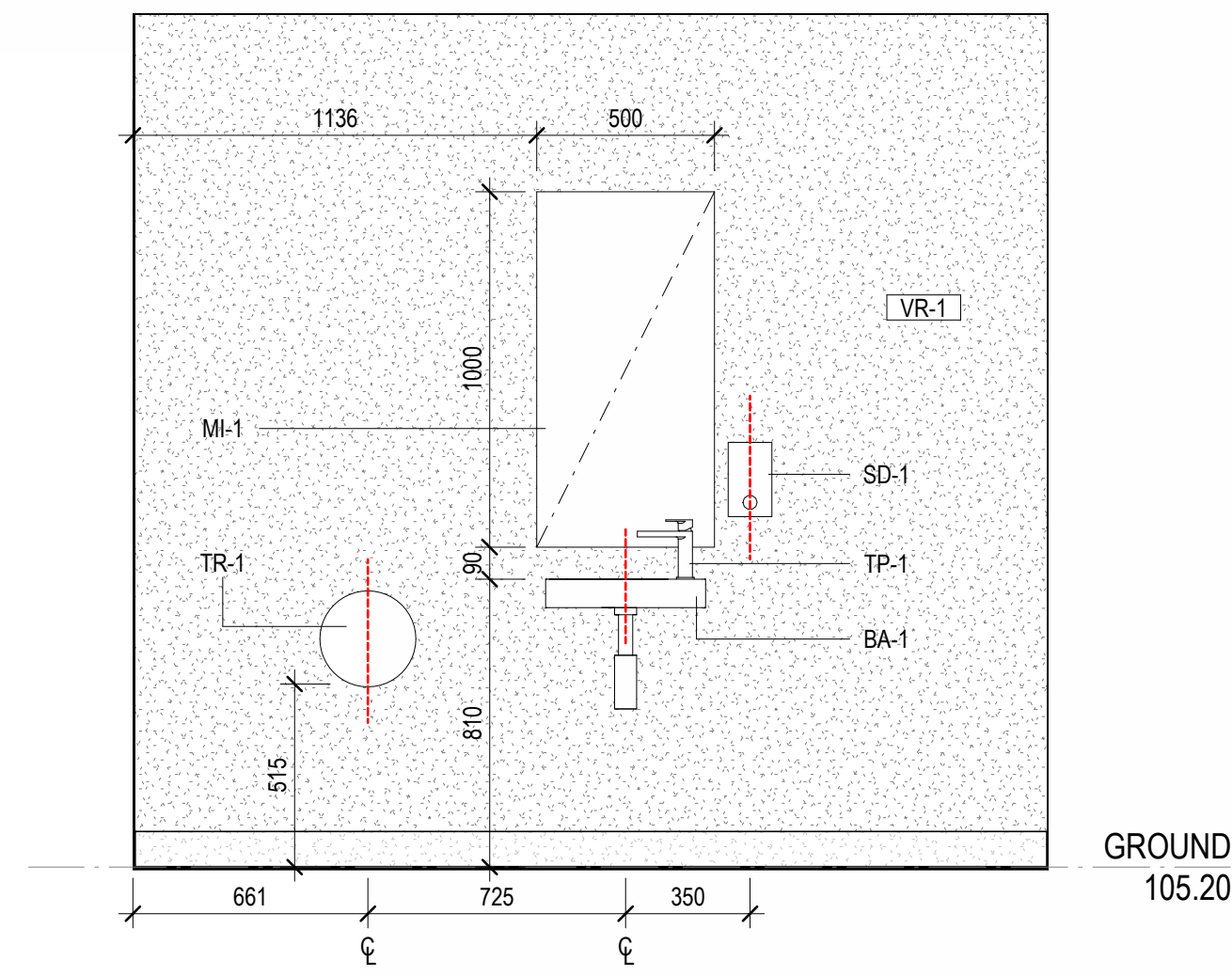
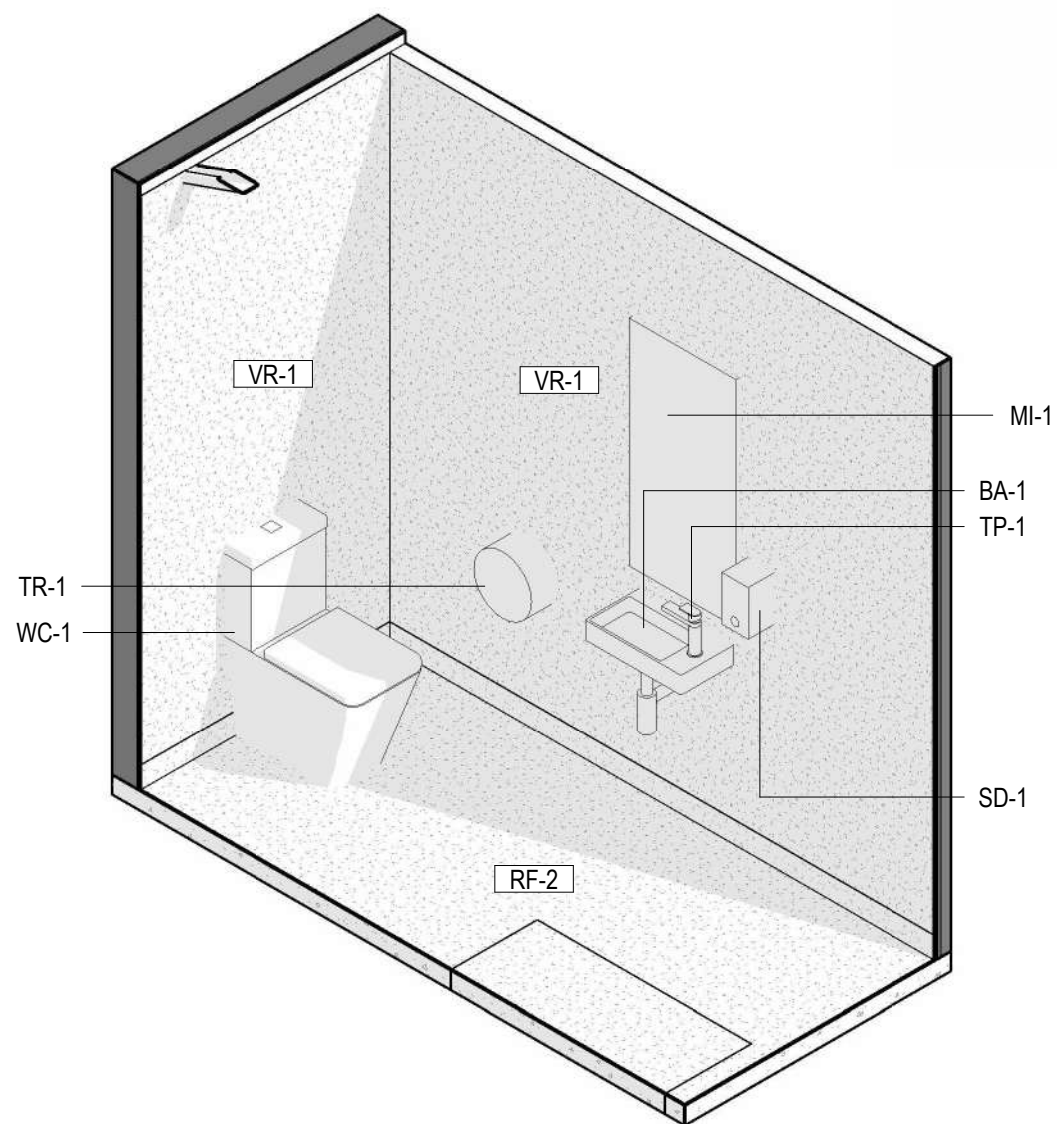
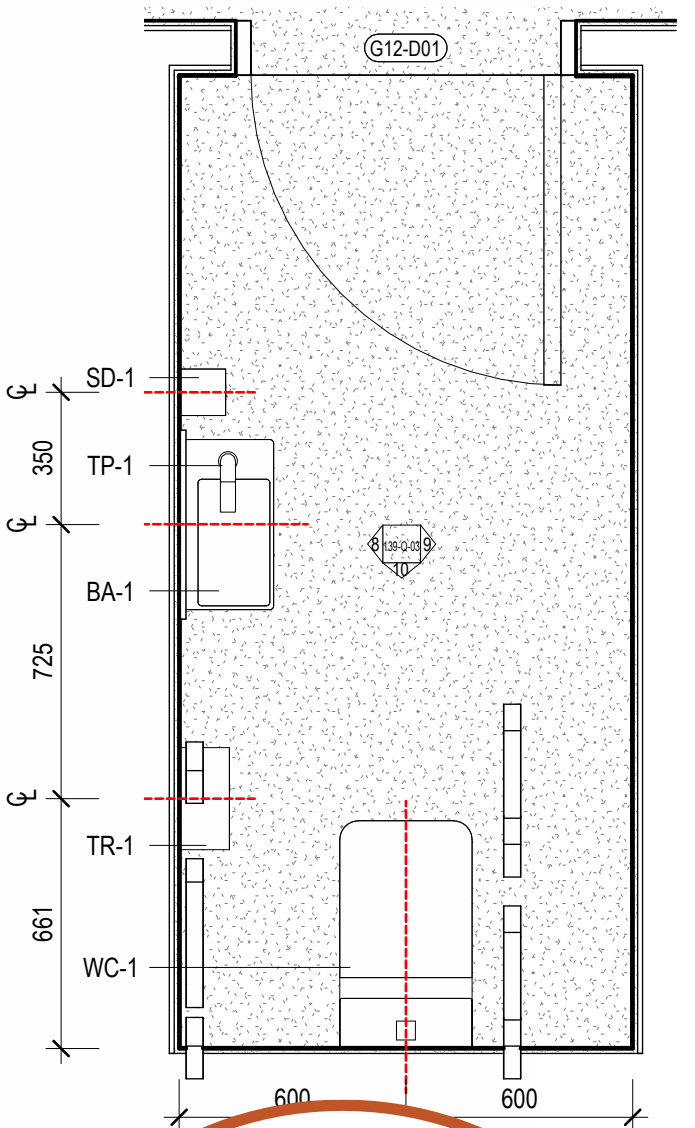
1 FEMALE AMBULANT TOILET PLAN  
SCALE 1:20

2 FEMALE AMBULANT TOILET ISOMETRIC  
SCALE

3 FEMALE AMBULANT TOILET - NORTH  
SCALE 1:20

4 FEMALE AMBULANT TOILET - SOUTH  
SCALE 1:20

5 FEMALE AMBULANT TOILET - WEST  
SCALE 1:20



7 FEMALE TOILET ISOMETRIC  
SCALE

8 FEMALE STUDENT TOILET - NORTH  
SCALE 1:20

9 FEMALE STUDENT TOILET - SOUTH  
SCALE 1:20

10 FEMALE STUDENT TOILET - WEST  
SCALE 1:20

CLIENT  
MELBOURNE  
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6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH  
GRAPHIC SCALE

SCALE

As indicated AT A1 DO NOT SCALE  
STATUS

PRELIMINARY  
DRAWING

STUDENTS  
AMENITIES 03

DRAWING NUMBER  
139-Q-03  
ISSUE  
P1

Date: 12/08/2025  
Job Ref: 364920



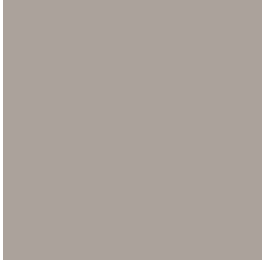



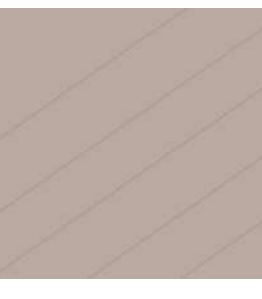

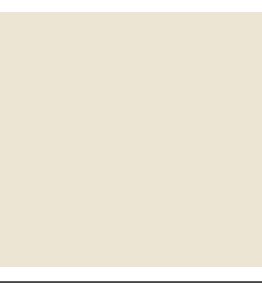

Refer to page 3, 'Action Summary'  
for compliance requirements.



Jim Woolcock  
BDAV Member - Jim Woolcock








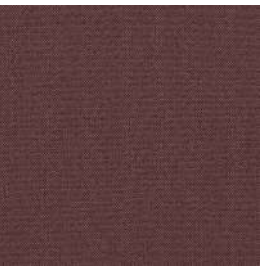


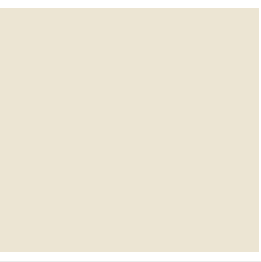



FINISHES SCHEDULE

Code	Item	Description	Product / Contact	Colour / Finish	Image	Section	Subsection	Material: Revision
External Finishes								
Floors								
TD-1	Timber Deck	Blackbutt Decking	Blackbutt decking, 130×20 mm, 2 coats of Cutex Extreme CD 50, face-fixed with stainless steel countersunk screws	Clear Coat		External Finishes	Floors	
Glazing								
GT-1	External Glazing Type 1	Clear Glazing	24mm (6/12/6) AGG Insulglass LowE Prime 68% VLT 0.54 SHGC  AGG / Insulglass (03) 8788 0200	Clear		External Finishes	Glazing	
Paint Finishes								
EPT-1	Exterior Paint Type 1	Exterior Steel Prime and Paint	In accordance with Dulux spec AUDU04065 Dulux Weathermax HBR two pack gloss on new hop dip galvanised steel  Prep Coat: Dulux Protective Coatings Durebild STE - PC237 Two Pack Epoxy Primer: Dulux Protective Coatings Durebild STE - PC237 Two Pack Epoxy 1st Coat: Dulux Protective Coatings Weathermax HBR Two Pack Gloss 2nd Coat: Dulux Protective Coatings Weathermax HBR Two Pack Gloss	Dulux Dune Matt		External Finishes	Paint Finishes	
Roofs								
EG-1	Eaves Gutter	Eaves Gutter	Stramit 150 Half Round Gutter Complete with matching Heavy Duty coated aluminium brackets, trims & flashings.	Colorbond Dune Matt		External Finishes	Roofs	
MR-1	Metal Roof Sheeting	Metal Roof Sheet	Lysaght CUSTOM ORB® ACCENT 21, corrugated roofing, Colorbond® steel, 0.48 mm BMT insulation. Installation to be in accordance with Lysaght Roofing and Walling Installation Manual and be complete with matching colorbond flashings and associated trims.	Dune Matt		External Finishes	Roofs	
Soffit								
C-3	Timber Soffit	Blackbutt Decking	Blackbutt decking, 130×20 mm, 2 coats of Cutex Extreme CD 50, face-fixed with stainless steel countersunk screws	Clear Coat		External Finishes	Soffit	
Walls								
MC-1	Metal Cladding	Aluminium Rainscreen Cladding - Timber Look	Product Name: Sculptform Click-on Cladding Series 1, Flat - 75x12mm Profile Cover (mm): 75mm Profile Depth (mm): 12mm Material: Solid Aluminium Finish: Powdercoated Duralloy Installation Details: As per Sculptform Click-on Cladding Installation Guide- Series 1 for Vertical installation of system- mounting track to be fixed to steel stud frame with cladding fixed through manufacturer's clip system with aluminium external and internal corner profile and all matching and relevant edge extrusions.	Coffs Timber		External Finishes	Walls	
MC-2	Metal Cladding	Aluminium Rainscreen Cladding	Product Name: Sculptform Click-on Cladding Series 1, Flat - 150x12mm Profile Cover (mm): 75mm Profile Depth (mm): 12mm Material: Solid Aluminium Finish: Powdercoated Duralloy Installation Details: As per Sculptform Click-on Cladding Installation Guide- Series 1 for Vertical installation of system- mounting track to be fixed to steel stud frame with cladding fixed through manufacturer's clip system with aluminium external and internal corner profile and all matching and relevant edge extrusions.	Colorbond Dune Matt		External Finishes	Walls	
Insulation								
INS-1	Roofing Insulation	Anti-condensation Blanket Underlay to MR-1 Except for Eaves	Foil-faced Insulation Blanket Bradford Anticon™ 145mm thick Thermoseal medium Duty 730 R3.6 R0.2 Thermal Spacer to Roof Sheet Bradford 1300 760 233			Insulation		
Internal Finishes								
Ceilings								
C-1	Wood Wool Ceiling tiles	Cement-bonded wool, Ceiling Panel	CSR Himmel 1300 374 253	Ultrafine Natural 1200x600x25mm K5 Edge		Internal Finishes	Ceilings	
C-2	Plasterboard ceiling	Plasterboard Ceiling  Proprietary direct fix / suspended ceiling system. Refer architectural drawings.	GYPROCK Australia 131744  13mm standard plasterboard. Allow for MR plasterboard in toilet areas.  Rondo 1300 367 663 Rondo Key-Lock Direct Fix Ceiling System / Suspended Ceiling System	Product: Rigitone Matrix 12mm Square Colour: PT-1 to all plasterboard ceilings Thickness: 12.5mm Size: 1200x2000 mm Install: See manufacture manual		Internal Finishes	Ceilings	
Floors								
CPT-1	Carpet Tile Type 1	Carpet Tiles	Shaw Contract Allison Treblock 0413 717 099	Barossa Earth		Internal Finishes	Floors	



*Jim Woolcock*  
BDAV Member - Jim Woolcock

FINISHES SCHEDULE

Code	Item	Description	Product / Contact	Colour / Finish	Image	Section	Subsection	Material: Revision
CPT-2	Carpet Tile Type 2	Carpet Tiles	Shaw Contract Allison Treblock 0413 717 099	Cooper Pedy		Internal Finishes	Floors	
CPT-3	Carpet Tile Type 3	Carpet Tiles	Shaw Contract Allison Treblock 0413 717 099	River Gum		Internal Finishes	Floors	
EM-1	Entry Matting	Carpet Tiles	Shaw Contract – Stepping Out Welcome II Tile, Style No 5T031, LRV 2.6 Allison Treblock 0413 717	Portabella 31761		Internal Finishes	Floors	
RF-1	Resilient Flooring Type 3	Vinyl Roll	Forbo Marmoleum	3580 Milk Chocolate		Internal Finishes	Floors	
RF-2	Resilient Flooring Type 2	Vinyl Roll	Range: Tarkett iQ Eminent Homogenous Vinyl Flooring Gauge: 2mm Slip Resistance: R10, P4 Hot welded joints Provide levelling to screed as required Gauge: 2mm Where RFV-8 is applicable on the first floor, an acoustic mat equivalent to 2mm thick rubber should be installed under the vinyl flooring as per acoustic specifications. Contact: Sarah De Camargo 0438 000 025	Dusty Blue		Internal Finishes	Floors	
Joinery								
FB-1	Upholstry	Fabric for general joinery where noted on plans and internal finishes	MAHARAM (02) 9212 4277	466387 - 019 - Merlot		Internal Finishes	Joinery	
FB-2	Upholstry	Fabric for general joinery where noted on plans and internal finishes	Kvaradat			Internal Finishes	Joinery	
LAM-1	Benchtops. High Pressure Laminate.	Glass-based solid surface	Zenith Surfaces Vitro Compact Surface (VCS) – Premium range. Glass-based compact surface with ~85% vitrified content, 20 mm thickness. Textured matte finish, slab size 3210×1610 mm.	Colour: 160 Kalamata Natural Finish		Internal Finishes	Joinery	
MEL-1	Melamine	Melamine for general joinery where noted on plans and internal finishes	Polytec Melamine Matt  SHELVES & EXPOSED EDGES Melamine strips to all edges to match  DOORS Matching 1mm ABS Edges all round.  www.polytec.com.au	JOINERY (Note for handles – refer to 135-Z-05 FF&E Schedule) Colour: Natural Oak		Internal Finishes	Joinery	
Paint Finishes								
PT-1	Paint finish	Low sheen to walls and ceilings generally	DULUX Professional EnvirO2, Low VOC, with undercoat in accordance with Dulux DuSpec specifications.  T: 13 25 25	DULUX Colour: Ecu Quarter S15D1Q		Internal Finishes	Paint Finishes	
Walls								
MI-1	Mirror	Mirror	6mm fully backed mirror all edges to be polished.  One per toilet unit.			Internal Finishes	Walls	S1
PIN-1	Pinboard Type 1	Pin Board_EchoPanel LONGITUDE 454 Mushroom	EchoPanel Longitude  Woven Image T: 03 9429 0142 https://www.wovenimage.com/en-AU/Products/EchoPanel-Longitude	EchoPanel Longitude Colour: 454 Mushroom  Provide 20x20x3 anodised aluminium trim mitred at corners to outside perimeter of the pinboard.		Internal Finishes	Walls	
SK-1	skirting - typical	Timber Skirting	16mm Timber Skirting x 90mm high Tasmanian Oak KDHW DAR Finish with 2 coats of Cabot's Cabothane Clear Water Based Matt Finish			Internal Finishes	Walls	
SK-2	skirting - wet areas	Range: Tarkett iQ Eminent Homogenous Vinyl Flooring Gauge: 2mm Slip Resistance: R10, P4 Hot welded joints Provide levelling to screed as required Skirting Height: 100mm	Range: Tarkett iQ Eminent Homogenous Vinyl Flooring Gauge: 2mm Slip Resistance: R10, P4 Hot welded joints Provide levelling to screed as required Skirting Height: 100mm	Dusty Blue		Internal Finishes	Walls	
TLE-1	Niche Feature Tile	Ceramic Tile  Range: Vogue 100x100mm	Classic Ceramics  216 Turner Street, Port Melbourne VIC 3207 (03) 9682 6555 melbourneshowroom@classicceramics.com.au	Colour: IN Latte  Grout Colour: Ardex FG 8 Magellan Grey		Internal Finishes	Walls	

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FFE SCHEDULE					
Type Mark	Description	Manufacturer	Comments	Image	Category
Casework					
HA-1	SEMI-ROUND PULL HANDLE FERRARA semi round lip pull 1.5mm thick x 80mm l 60mm Code: FERR80.WH Colour: White  <a href="https://www.dorsetaustralia.com.au/Categories/New-Handle-Collections/FERRARA-SEMI-ROUND.html">https://www.dorsetaustralia.com.au/Categories/New-Handle-Collections/FERRARA-SEMI-ROUND.html</a>	DORSET AUSTRALIA 143 Allingham St, Golden Square VIC 3555  Phone: 1300 121 800 FAX: 1300 121 850 Email: <a href="mailto:info@dorsetaustralia.com.au">info@dorsetaustralia.com.au</a>			Casework
Electrical Fixtures					
HD1	HAND DRYER BOBRICK Trimline Hand Dryer - Stainless  <a href="https://www.rba.com.au/catalogue/product/b7128e/">https://www.rba.com.au/catalogue/product/b7128e/</a>	Benton's Finer Bathroom Contact: Laura Kelly e: <a href="mailto:laura.kelly@bentons.com.au">laura.kelly@bentons.com.au</a>  p: (03) 9391 4355 a: 227-229 Kororoit Creek Road Williamstown, VIC, 3016 w: <a href="http://bentons.com.au">bentons.com.au</a>			Electrical Fixtures
Plumbing Fixtures					
	WALL - MOUNTED MIRROR  6mm fully backed mirror all edges to be polished  Above each basin in toilets - refer to internal elevations. Install in accordance with AS 1428				Plumbing Fixtures
BA-1	BASIN – GENERAL, AMBULANT ACCESSIBLE TOILETS & SICK BAY  Luna Hand Wall Basin 1TH 873715W  <a href="https://specify.caroma.com.au/products/basins/luna/luna-hand-wall-basin">https://specify.caroma.com.au/products/basins/luna/luna-hand-wall-basin</a>	Benton's Finer Bathroom Contact: Laura Kelly e: <a href="mailto:laura.kelly@bentons.com.au">laura.kelly@bentons.com.au</a>  p: (03) 9391 4355 a: 227-229 Kororoit Creek Road Williamstown, VIC, 3016 w: <a href="http://bentons.com.au">bentons.com.au</a>			Plumbing Fixtures
BA-2	BASIN – ACCESSIBLE TOILETS Opal 720 Wall Basin right Hand Shelf  <a href="https://specify.caroma.com.au/products/basins/opal/opal-720-wall-basin-right-hand-shelf-2">https://specify.caroma.com.au/products/basins/opal/opal-720-wall-basin-right-hand-shelf-2</a>	Benton's Finer Bathroom Contact: Laura Kelly e: <a href="mailto:laura.kelly@bentons.com.au">laura.kelly@bentons.com.au</a>  p: (03) 9391 4355 a: 227-229 Kororoit Creek Road Williamstown, VIC, 3016 w: <a href="http://bentons.com.au">bentons.com.au</a>			Plumbing Fixtures
BA-2	BASIN – ACCESSIBLE TOILETS Opal 720 Wall Basin right Hand Shelf  <a href="https://specify.caroma.com.au/products/basins/opal/opal-720-wall-basin-right-hand-shelf-2">https://specify.caroma.com.au/products/basins/opal/opal-720-wall-basin-right-hand-shelf-2</a>	Benton's Finer Bathroom Contact: Laura Kelly e: <a href="mailto:laura.kelly@bentons.com.au">laura.kelly@bentons.com.au</a>  p: (03) 9391 4355 a: 227-229 Kororoit Creek Road Williamstown, VIC, 3016 w: <a href="http://bentons.com.au">bentons.com.au</a>			Plumbing Fixtures

ROAM Architects  
T: 03 9028 2625  
[www.roamarchitects.com.au](http://www.roamarchitects.com.au)

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ISSUE	DATE	REVISIONS
P1	03.07.2025	COST PLAN C

CLIENT  
MELBOURNE  
ARCHDIOCESE  
CATHOLIC SCHOOLS

PROJECT TITLE  
6GLA PRIMARY LEARNING  
BUILDING

PROJECT NUMBER  
139

PROJECT NORTH

GRAPHIC SCALE

SCALE

	AT A1	DO NOT SCALE
STATUS		

PRELIMINARY  
DRAWING

FFE SCHEDULE -  
SHEET 01

DRAWING NUMBER	ISSUE
139-Z-02	P1

Date: 12/08/2025

Job Ref: 364920

Refer to page 3, 'Action Summary' for compliance requirements.



Tr W. L. ...

**BDAV Member - Jim Woolcock**

FFE SCHEDULE					
Type Mark	Description	Manufacturer	Comments	Image	Category
BT-1	BASIN TRAP STREAMLINE – Arcisan Wastes Cylindrical Bottle Trap 40mm Connection to Plug  <a href="https://www.streamlineproducts.com.au/arcisan-cylindrical-bottle-trap-40mm-connection-to-plug-9503">https://www.streamlineproducts.com.au/arcisan-cylindrical-bottle-trap-40mm-connection-to-plug-9503</a>	Benton's Finer Bathroom Contact: Laura Kelly e: laura.kelly@bentons.com.au  p: (03) 9391 4355 a: 227-229 Kororoit Creek Road Williamstown, VIC, 3016 w: bentons.com.au			Plumbing Fixtures
CS-1	CLEANER'S SINK 3MONKEEZ Cleaner's Sink with Wall Mount Brackets  <a href="https://www.3monkeez.com.au/cleaners-sink-with-wall-mount-brackets">https://www.3monkeez.com.au/cleaners-sink-with-wall-mount-brackets</a> CLEANER'S SINK 3MONKEEZ Cleaner's Sink with Wall Mount Brackets  <a href="https://www.3monkeez.com.au/cleaners-sink-with-wall-mount-brackets">https://www.3monkeez.com.au/cleaners-sink-with-wall-mount-brackets</a>	Benton's Finer Bathroom Contact: Laura Kelly e: laura.kelly@bentons.com.au  p: (03) 9391 4355 a: 227-229 Kororoit Creek Road Williamstown, VIC, 3016 w: bentons.com.au			Plumbing Fixtures
GR-3	GRAB RAILS CON-SERV – Water wise systems Hygienic Seal Grab Rail Code: HS 454 SS LH & RH  <a href="http://www.con-serv.com.au/hygienic-seal-450x450mm-satin-3">http://www.con-serv.com.au/hygienic-seal-450x450mm-satin-3</a>	Benton's Finer Bathroom Contact: Laura Kelly e: laura.kelly@bentons.com.au  p: (03) 9391 4355 a: 227-229 Kororoit Creek Road Williamstown, VIC, 3016 w: bentons.com.au			Plumbing Fixtures
GR-4	GRAB RAILS CON-SERV – Water wise systems Hygienic Seal Grab Rail Code: HS 966 SS LH  <a href="http://www.con-serv.com.au/hygienic-seal-960x600mm-satin">http://www.con-serv.com.au/hygienic-seal-960x600mm-satin</a>	Benton's Finer Bathroom Contact: Laura Kelly e: laura.kelly@bentons.com.au  p: (03) 9391 4355 a: 227-229 Kororoit Creek Road Williamstown, VIC, 3016 w: bentons.com.au			Plumbing Fixtures
MI-1	WALL - MOUNTED MIRROR  6mm fully backed mirror all edges to be polished  Above each basin in toilets - refer to internal elevations. Install in accordance with AS 1428				Plumbing Fixtures

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PROJECT NORTH

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FFE SCHEDULE -  
SHEET 01 Copy 1

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139-Z-03	P1







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