



ATTACHMENTS

Special Meeting of Council



Meeting to be held in Council Chambers at
15 Maddock Street, Mukinbudin
Commencing at 10.00am Friday 30th October 2026



PROPOSED COMMUNITY CULTURAL HUB	PROJECT
5-7 SHADBOLT STREET, MUKINBUDIN	ADDRESS
SHIRE OF MUKINBUDIN	COUNCIL
AKRON	CLIENT

Associated
Building
Surveyors
BSC# 2071
Level 1 Registered certifiers

PROPOSED COMMUNITY CULTURAL HUB
5-7 SHADBOLT STREET MUKINBUDIN, WESTERN AUSTRALIA

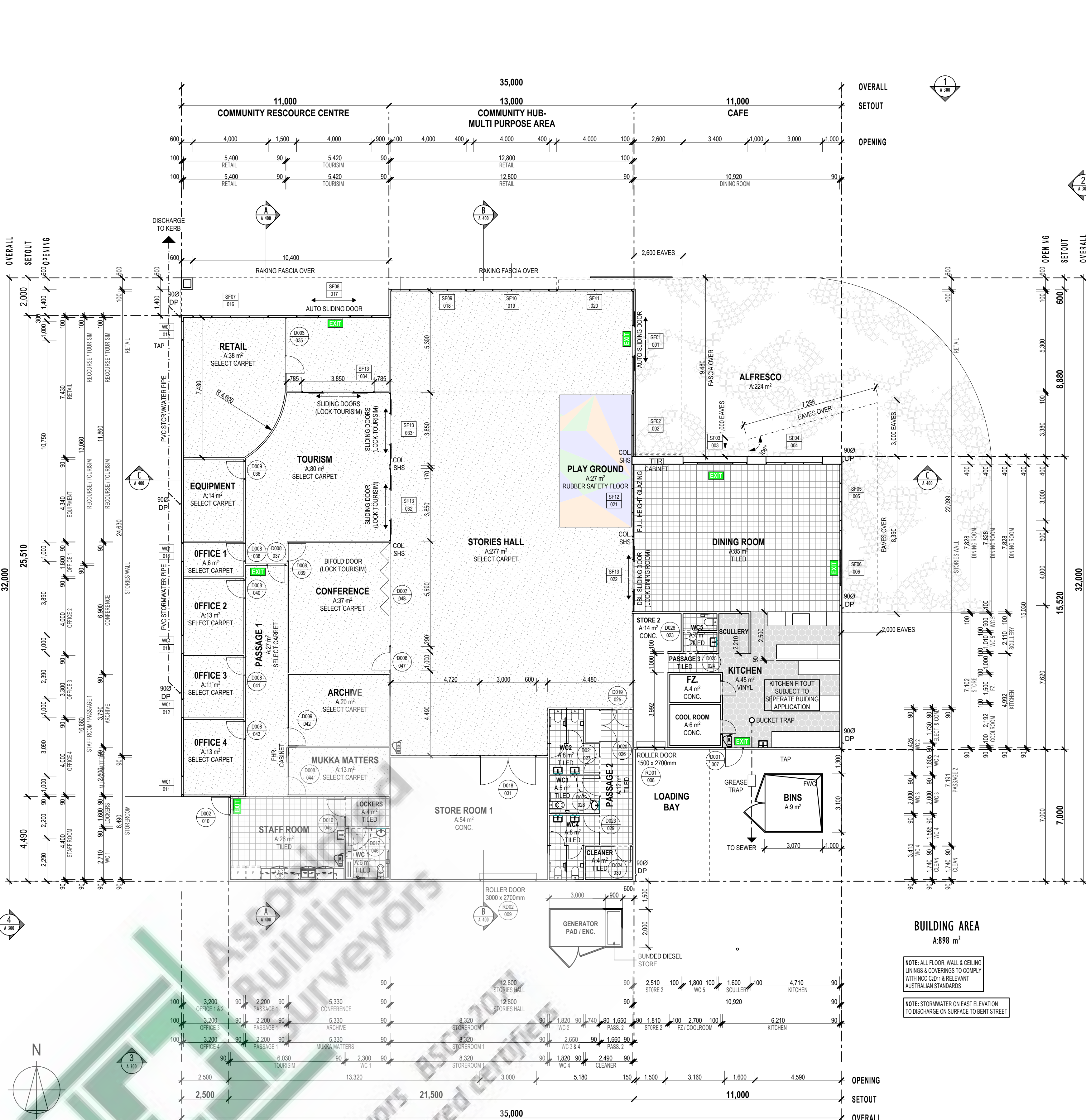
ISSUE 21/04/2026 FOR CDC SUBMISSION REV 3



Energy efficiency assessment provided by Ecorate WA
www.ecoratewa.com
0450 370 512
Assessor: Don Fleming
Assessment Date: 14/05/26
Assessment Number: 2463326

CDC	STATUS	21/04/2026	DATE	SCALE
582	PROJECT No:	000	DWG. No:	3
	REV. No.			

PLOT PATH: C:\Users\Shane\OneDrive - denneydesign.com.au\001 DBD\001_PROJECTS\582 Akron Mukinbudin\Rev 3\21042026



0. FLOOR PLAN
#LayID Scale 1:125

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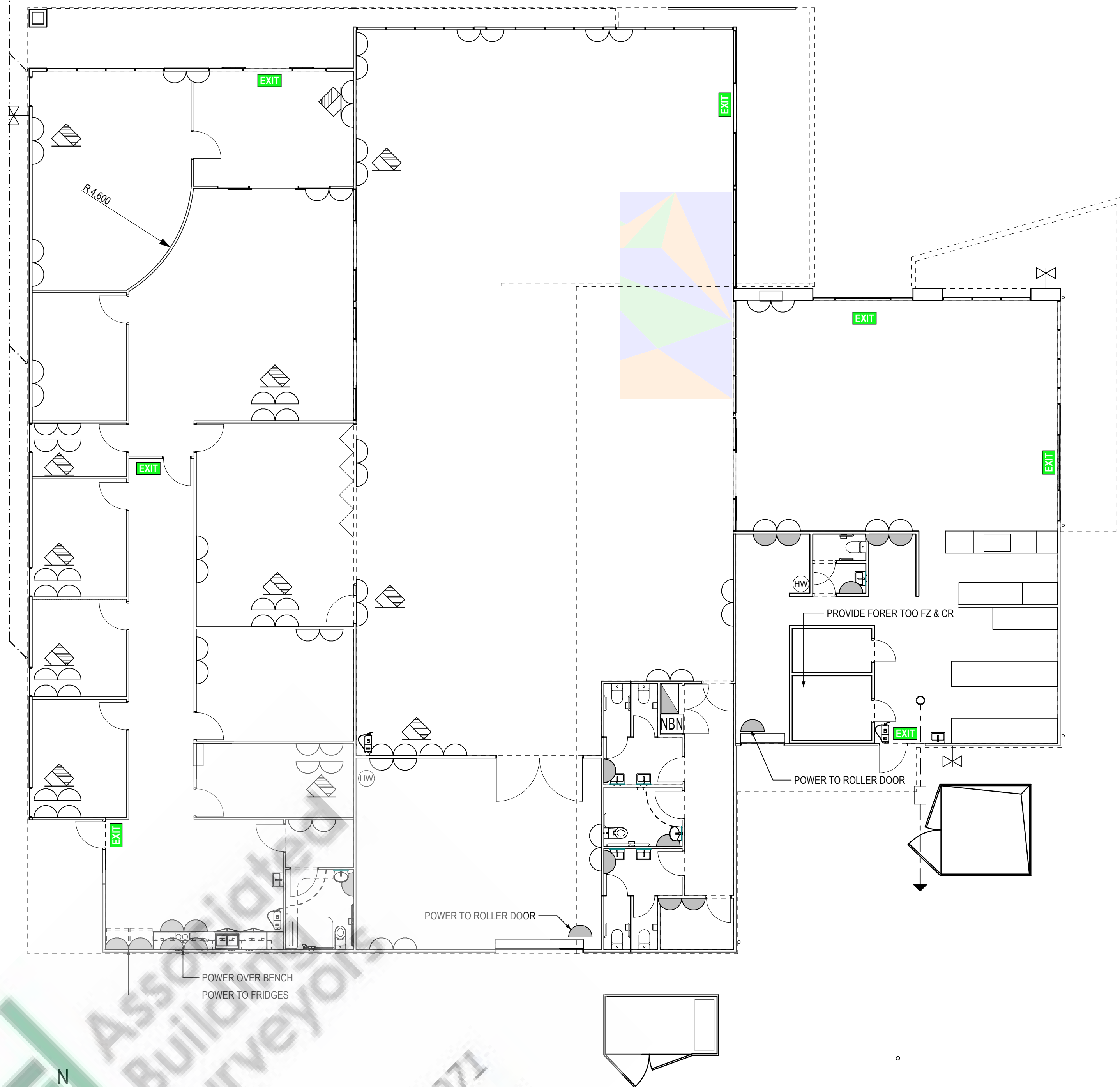
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CDC	STATUS	21/04/2026	1:100
582	PROJECT No.	A 201	DWG No.
			3



LEGEND

- DOUBLE GPO @ 300AFL
- SINGLE GPO @ NOMINATED HEIGHT
- DOUBLE GPO @ NOMINATED HEIGHT
- DATA & COMMS. POINT
- NBN ROUTER
- METER BOX / DISTRIBUTION BOARD
- HOT WATER UNIT - 125L+ELEC. STORAGE
- ILLUMINATED EMERGENCY EXIT LIGHT
- TAP - HOSE COCK

NOTE:
SUPPLY 3 PHASE POWER TO KITCHEN FOR OVENS
FINAL POSITION TO BE NOMINATED
MAKE SURE ALL POWER AND LIGHTING SUPPLY
INC. EMERGENCY LIGHTING IS COMPLIANT WITH
CURRENT STANDARDS AND CODES.

- STAFFROOM APPLIANCES
(PROVIDE POWER & ISOLATORS AS REQUIRED)
- o 1x Westinghouse Model WVE9515SD 90cm Multi-Function Oven Stainless Steel
 - o 1x Westinghouse Model WHC942BC 90cm Ceramic Cooktop
 - o 1x Westinghouse Model WRC924SC 90cm Canopy rangehood, stainless steel
- KITCHEN APPLIANCES
(PROVIDE POWER & ISOLATORS AS REQUIRED)
- o 1x Commercial grade stainless steel 1200mm rangehood
 - o 1x Commercial grade dishwasher

ELECTRICAL PLAN
#LayerID Scale 1:100

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5-7 SHADBOLT STREET MUKINBUDIN, WESTERN AUSTRALIA	ADDRESS	AKRON	
	CLIENT	COUNCIL	
		S.D	
		S.D	

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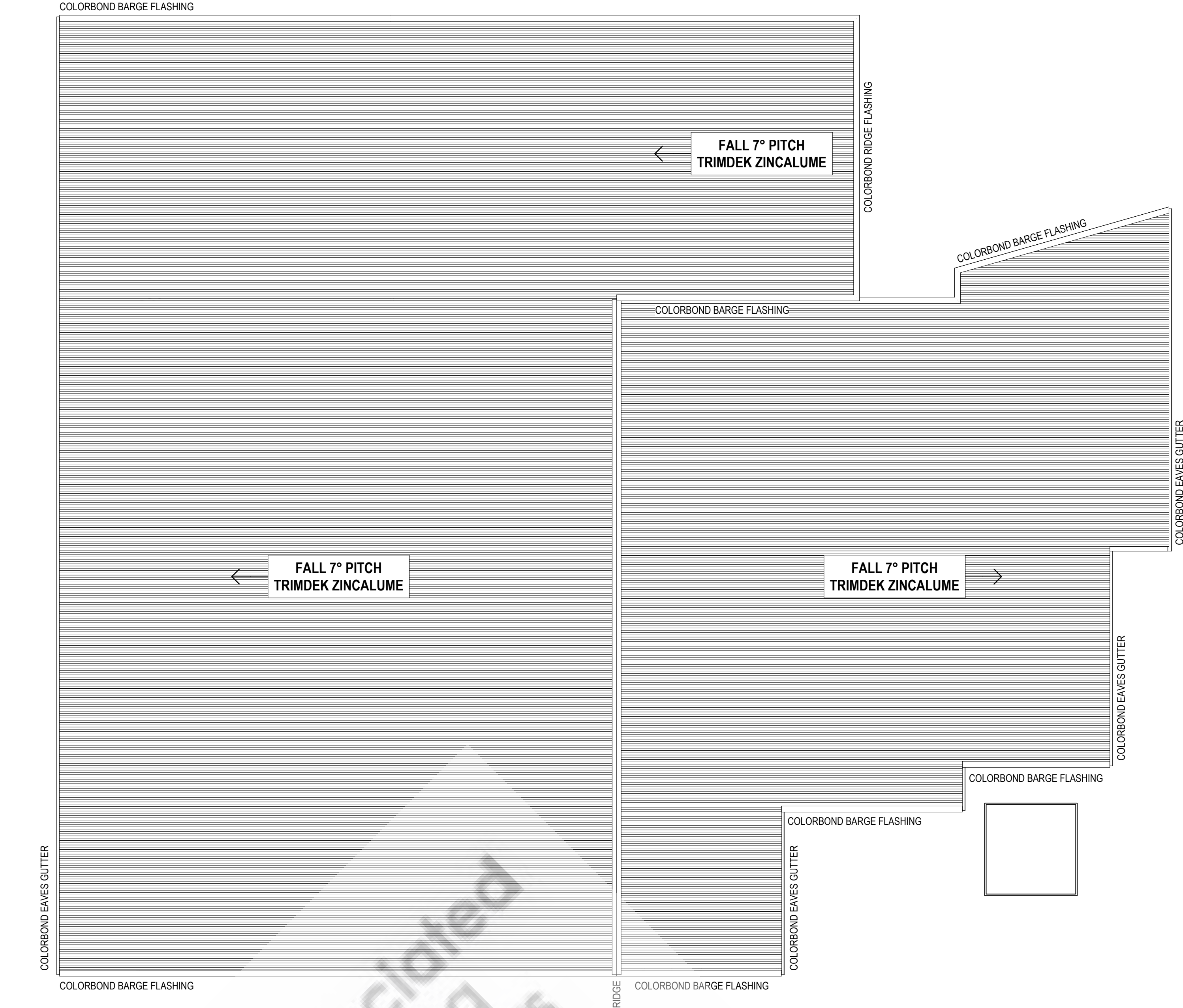
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582	PROJECT No.	A 202	DWG No.	3	REV No.

DENNEY BUILDING DESIGN

www.denneydesign.com shane@denney.com.au (+61) 0422 228 775

CDC



CONSTRUCTION NOTES:

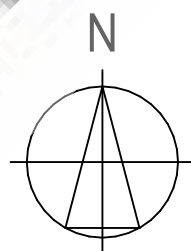
ROOFING:

- ROOFING TO BE ZINCALUME WITH MATCHING SCREWS, OVERLAPPED & INSTALLED TO MANUFACTURERS SPECIFICATION.
- ALL VISABLE FLASHINGS TO BE COLORBOND.
- ALL NON VISABLE FLASHINGS AND RIDGES TO BE COLORBOND.
- ALL ROOF PENETRATIONS TO BE SEALED WITH "DEKITE" FLASHINGS OR SIMILAR APPROVED.
- ANTICON 60 R1.3, ON SAFETY MESH UNDER ALL ROOF SHEETING.
- FALL ARREST ANCHOR POINTS INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARDS.

GUTTERS AND DOWNPIPES:

- ALL EAVES GUTTERS TO BE SLOTTED COLORBOND
- ALL DOWNPIPES 100mm x 50mm COLORBOND
- ALL DOWNPIPES TO DISCHARGE IN ACCORDANCE WITH STORMWATER DISPOSAL DESIGN..

2. ROOF PLAN
#LayID Scale 1:100



PROPOSED COMMUNITY CULTURAL HUB

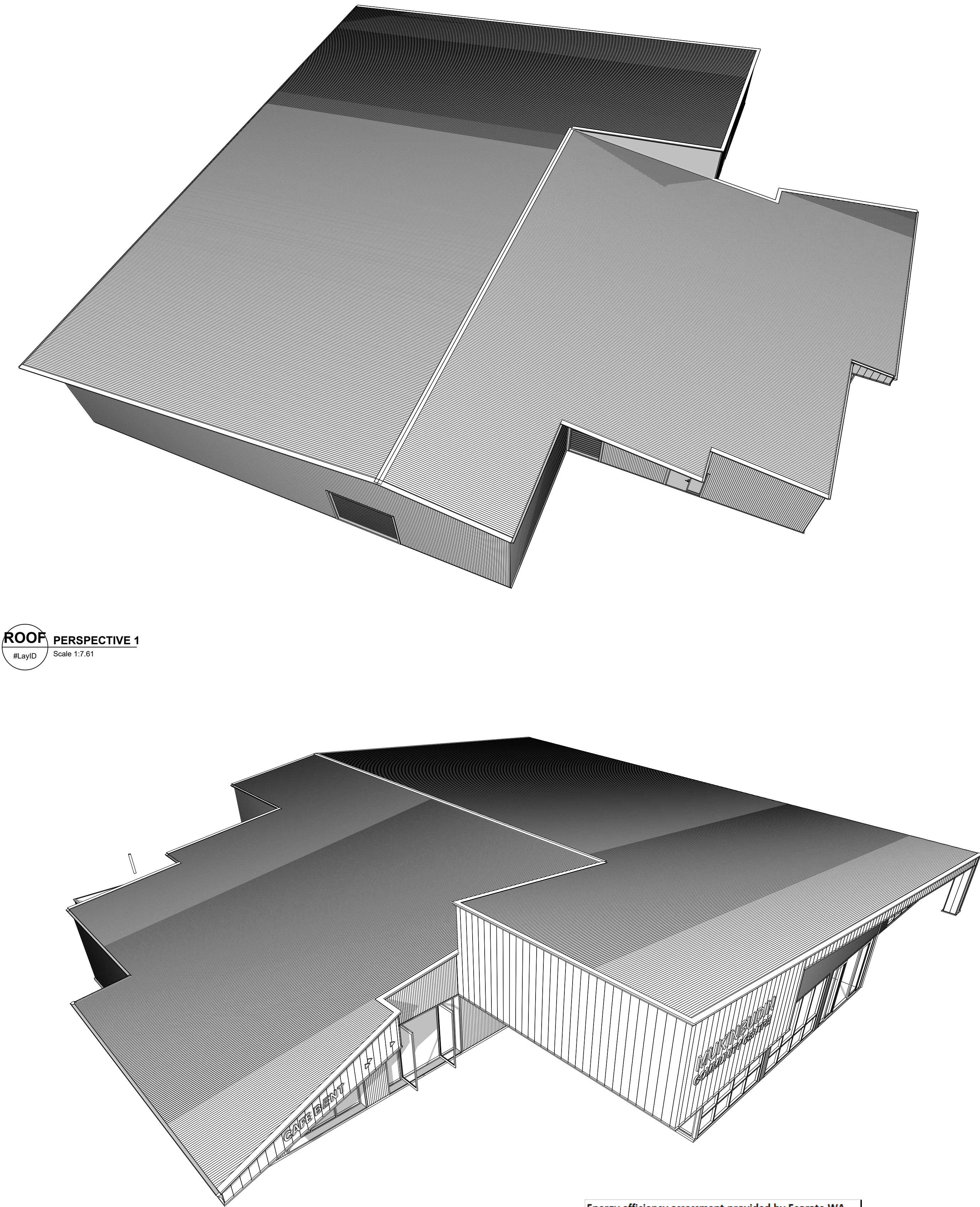
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MUKINBUDIN, WESTERN AUSTRALIA

SHIRE OF MUKINBUDIN

AKRON

ROOF PLAN

S.D
S.D



ROOF PERSPECTIVE 2
#LayID Scale 1:8.98

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582	A 203	3
PROJECT No	DWG No	REV No

CDC

21/04/2026

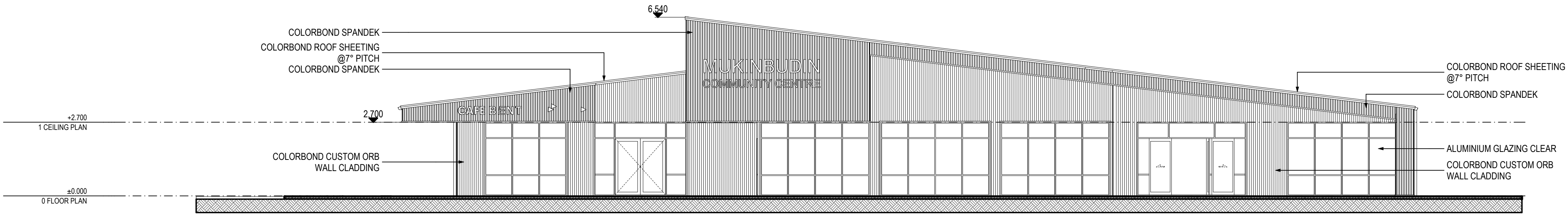
A 203

3

1:100,
1:7.61,
1:8.98

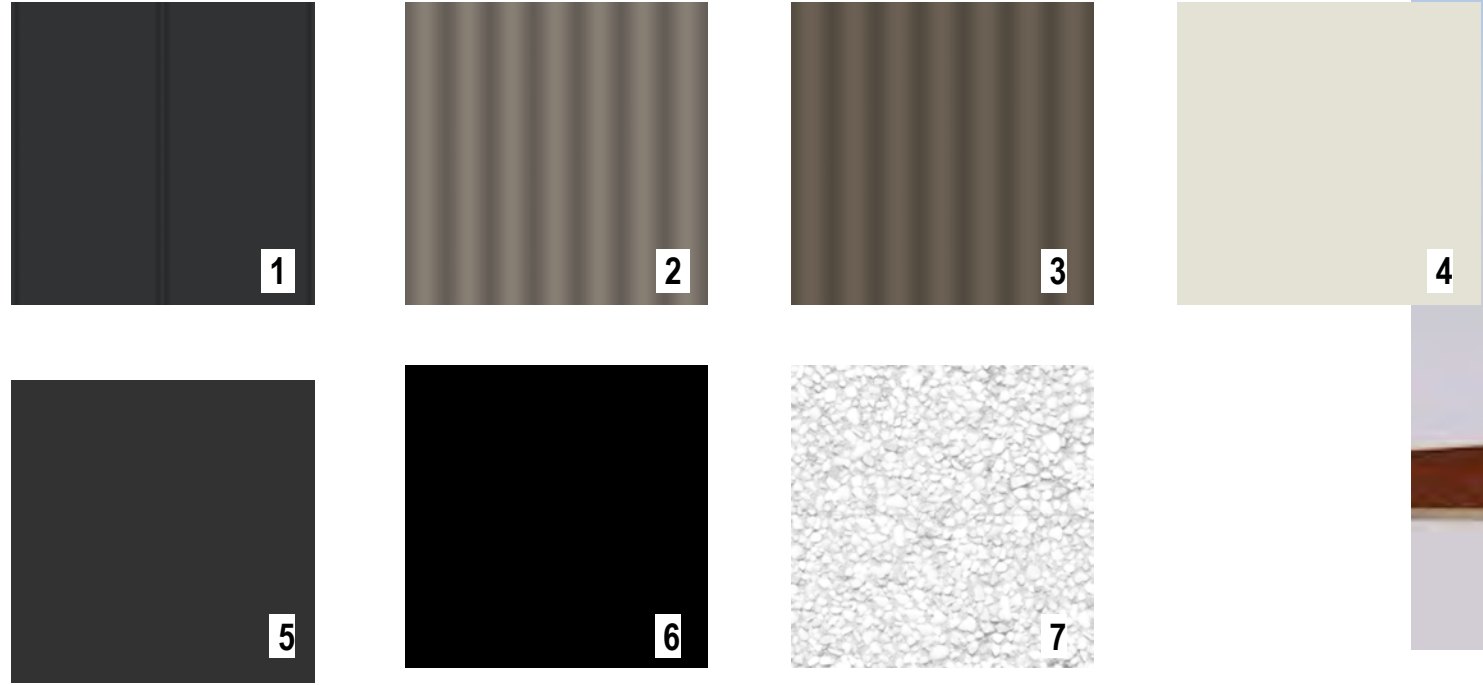
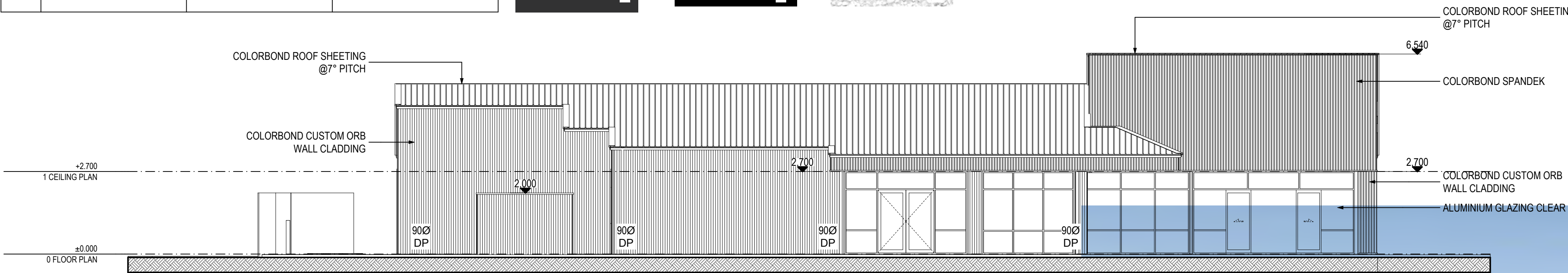
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SCALE

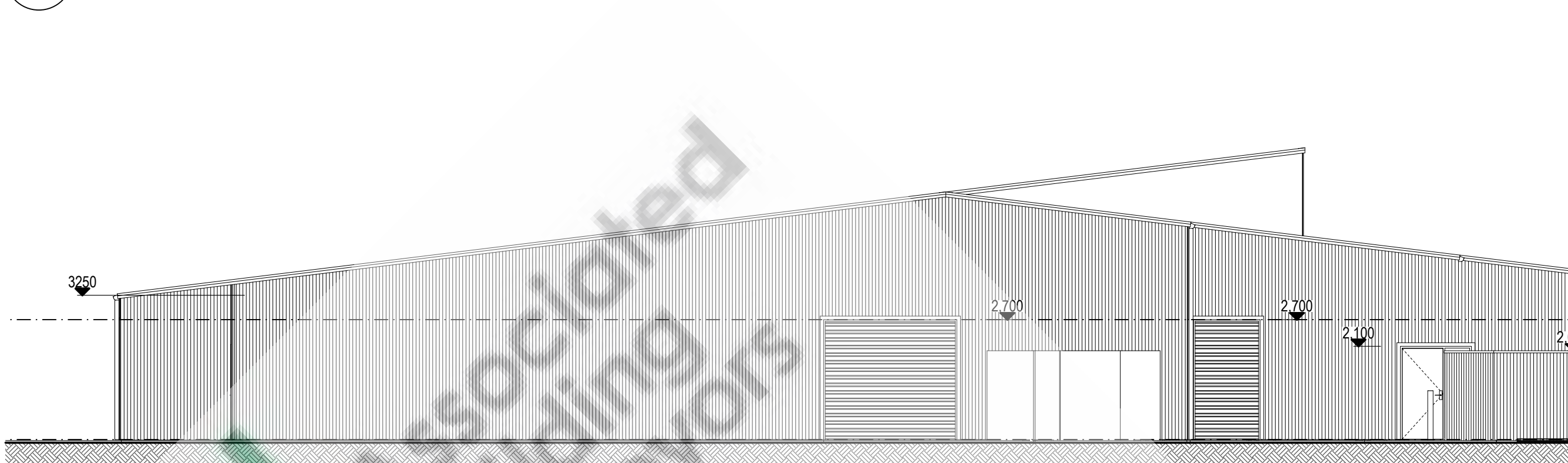


1 NORTH ELEVATION
#LayID / Scale 1:100

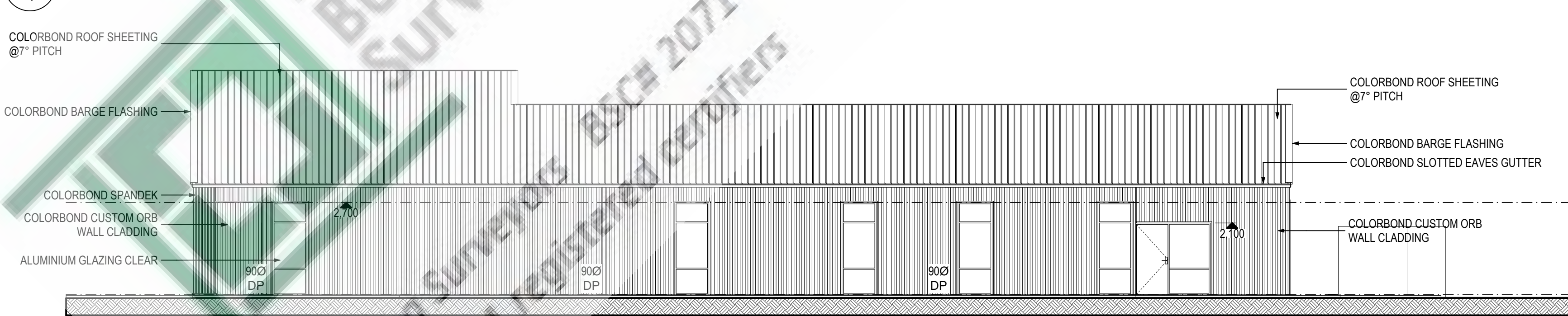
FINISHES SCHEDULE			
KEY	MATERIAL	COLOUR	APPLICATION
1	C/B- SPANDEK	MONUMENT	VERTICAL
2	C/B- CUSTOM ORB	GULLY	VERTICAL
3	C/B- CUSTOM ORB	JASPAR	VERTICAL
4	COLORBOND	SURFMIST	ROLLER DOORS
5	COLORBOND	MONUMENT	GUTTERS & FLASHING
6	DULUX	MATT BLACK	POWDER COATED
7	CONC. AGGREGATE	WHITE STOBE	PAVING



2 EAST ELEVATION
#LayID / Scale 1:100

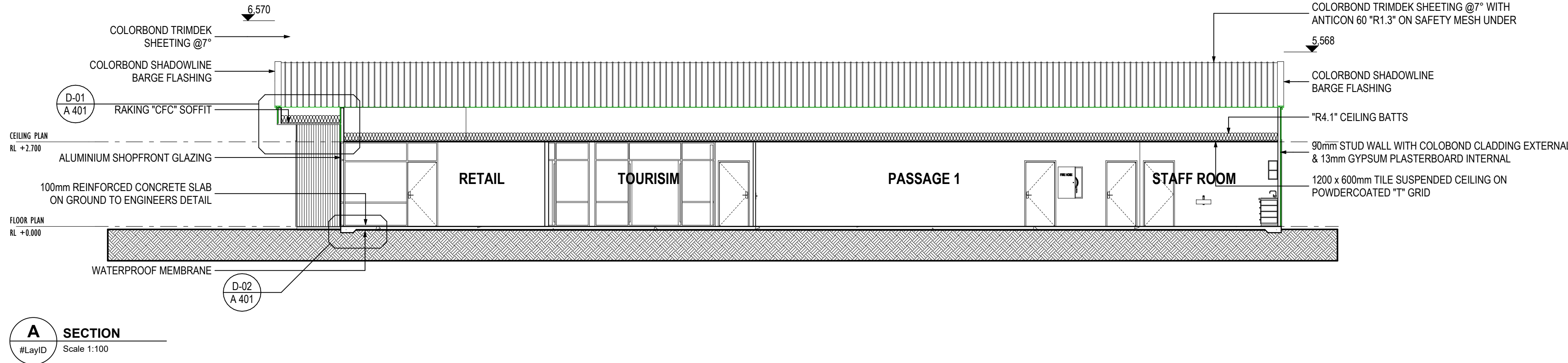


3 SOUTH ELEVATION
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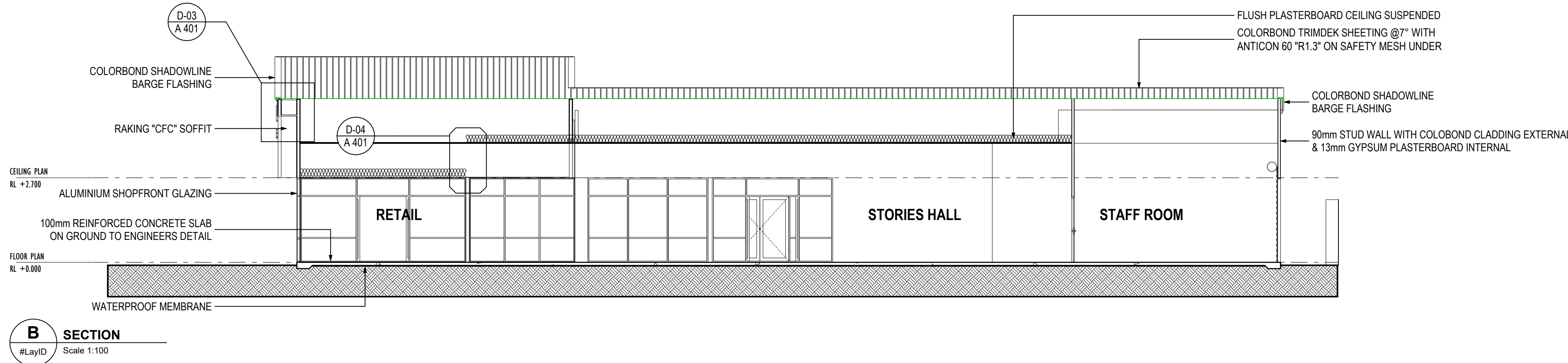


4 WEST ELEVATION
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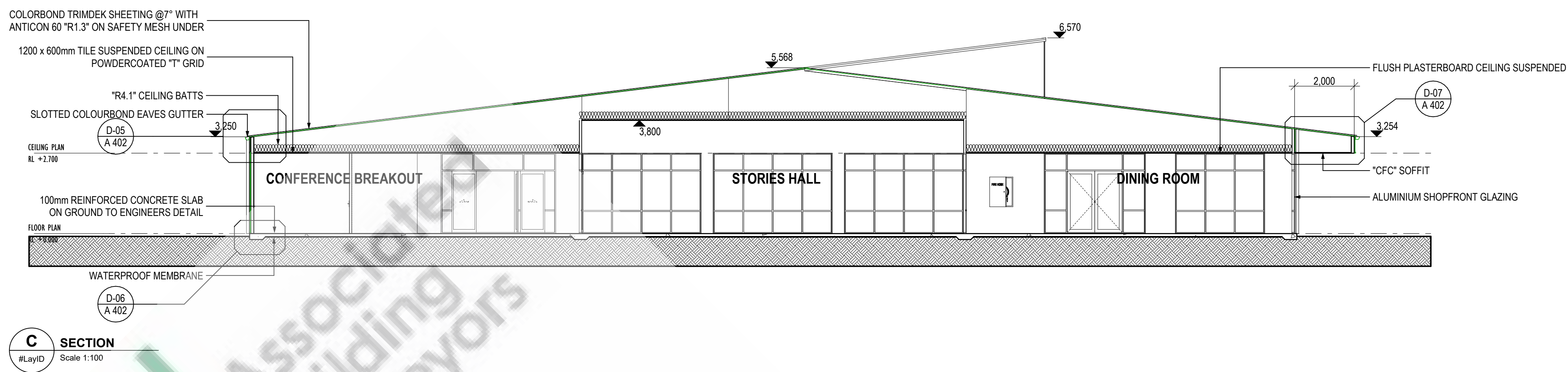




A SECTION
#LayID Scale 1:100



B SECTION
#LayID Scale 1:100

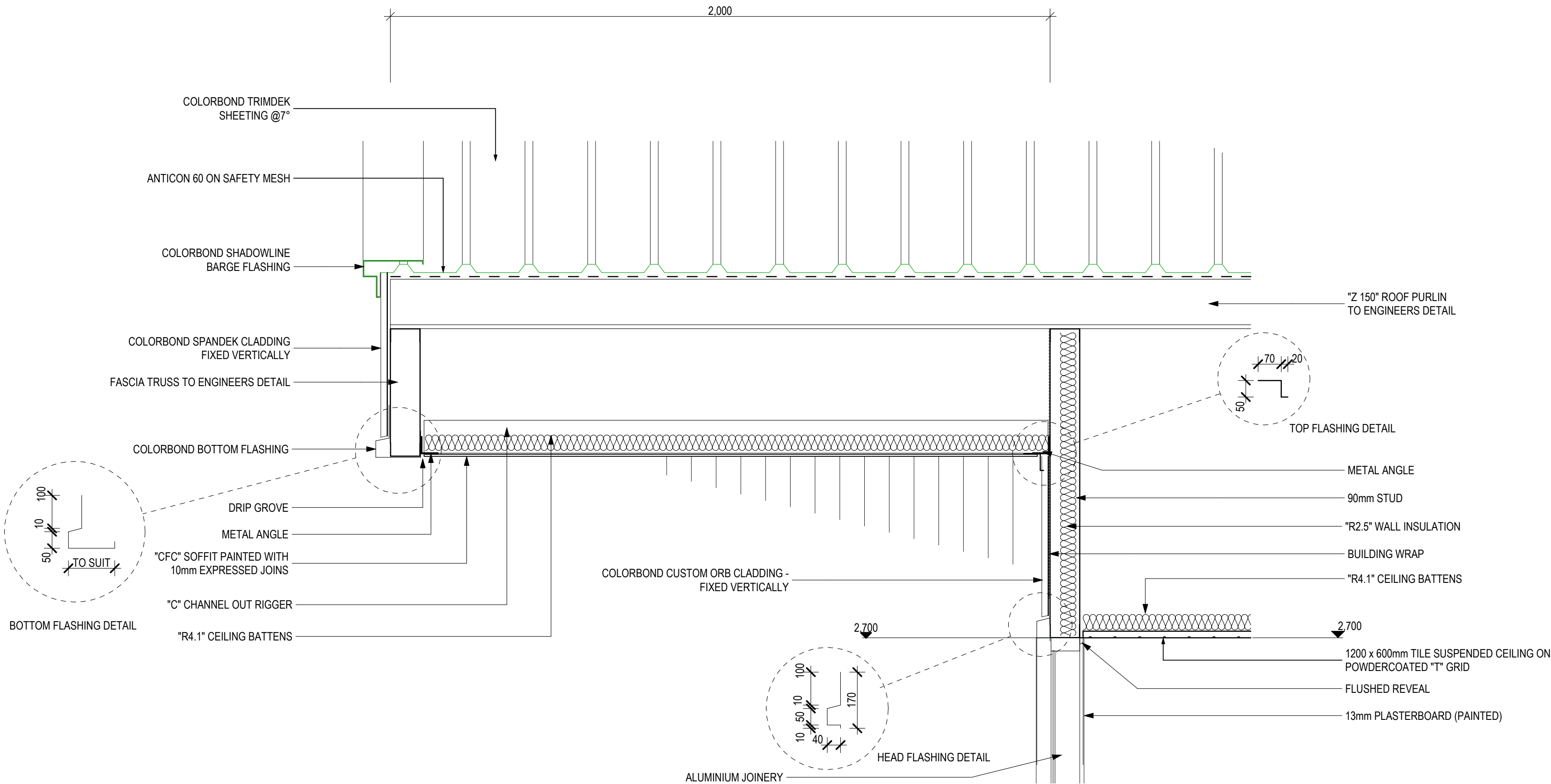


C SECTION
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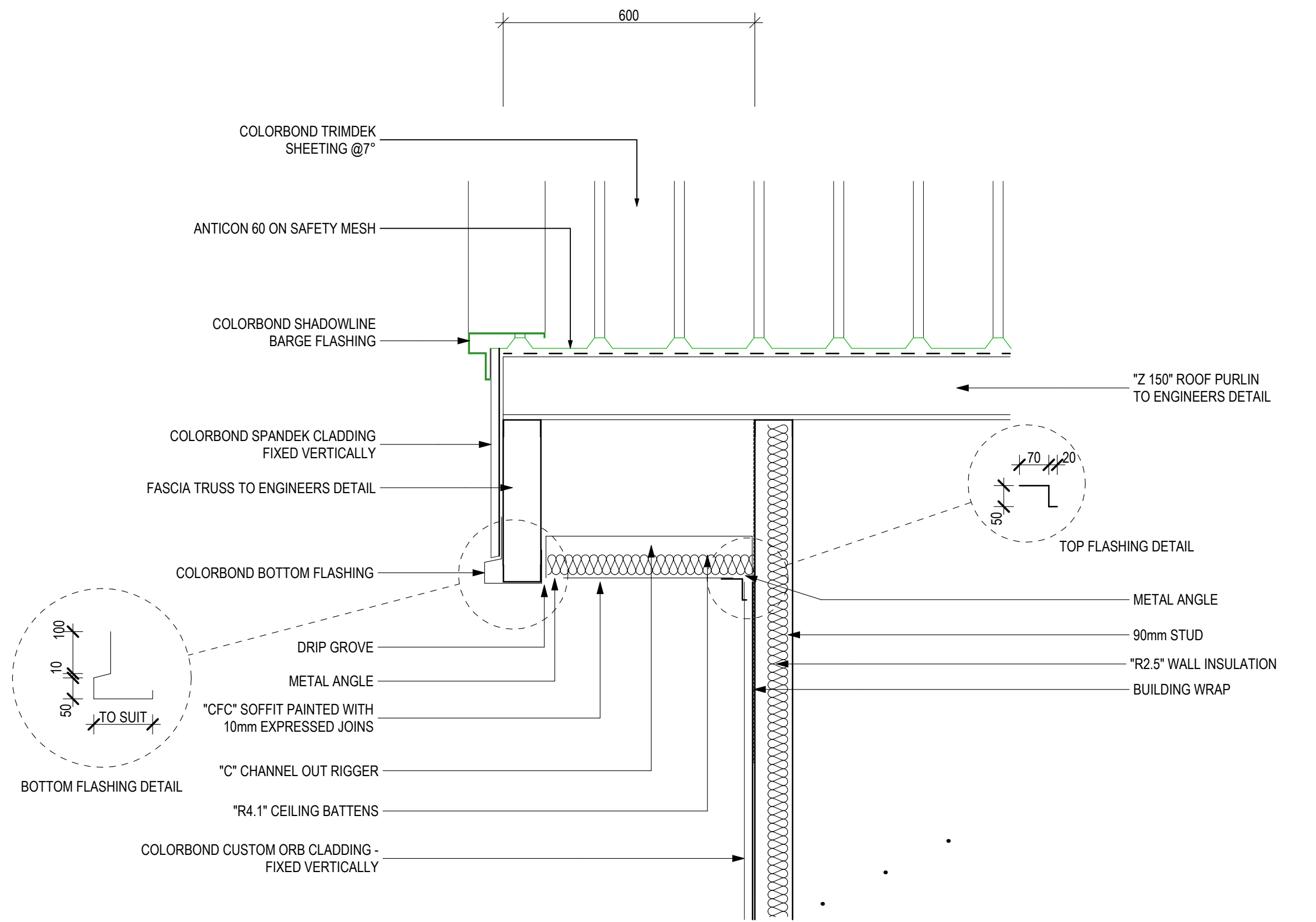
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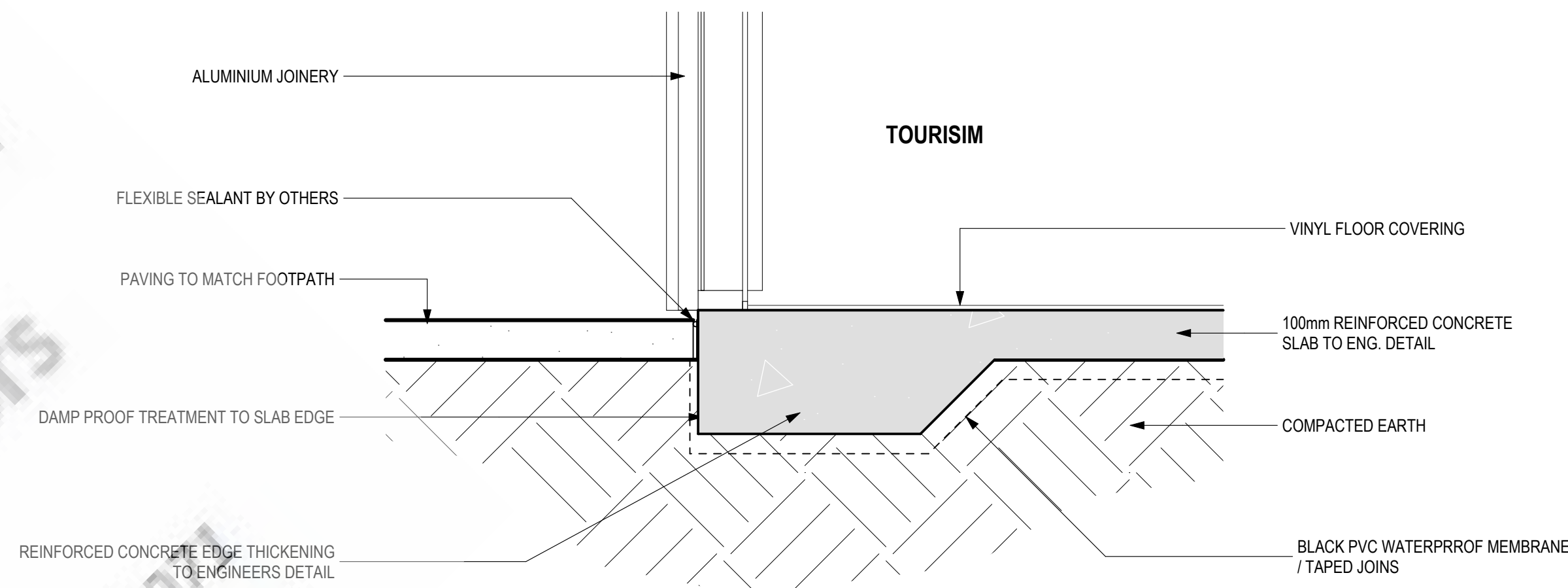
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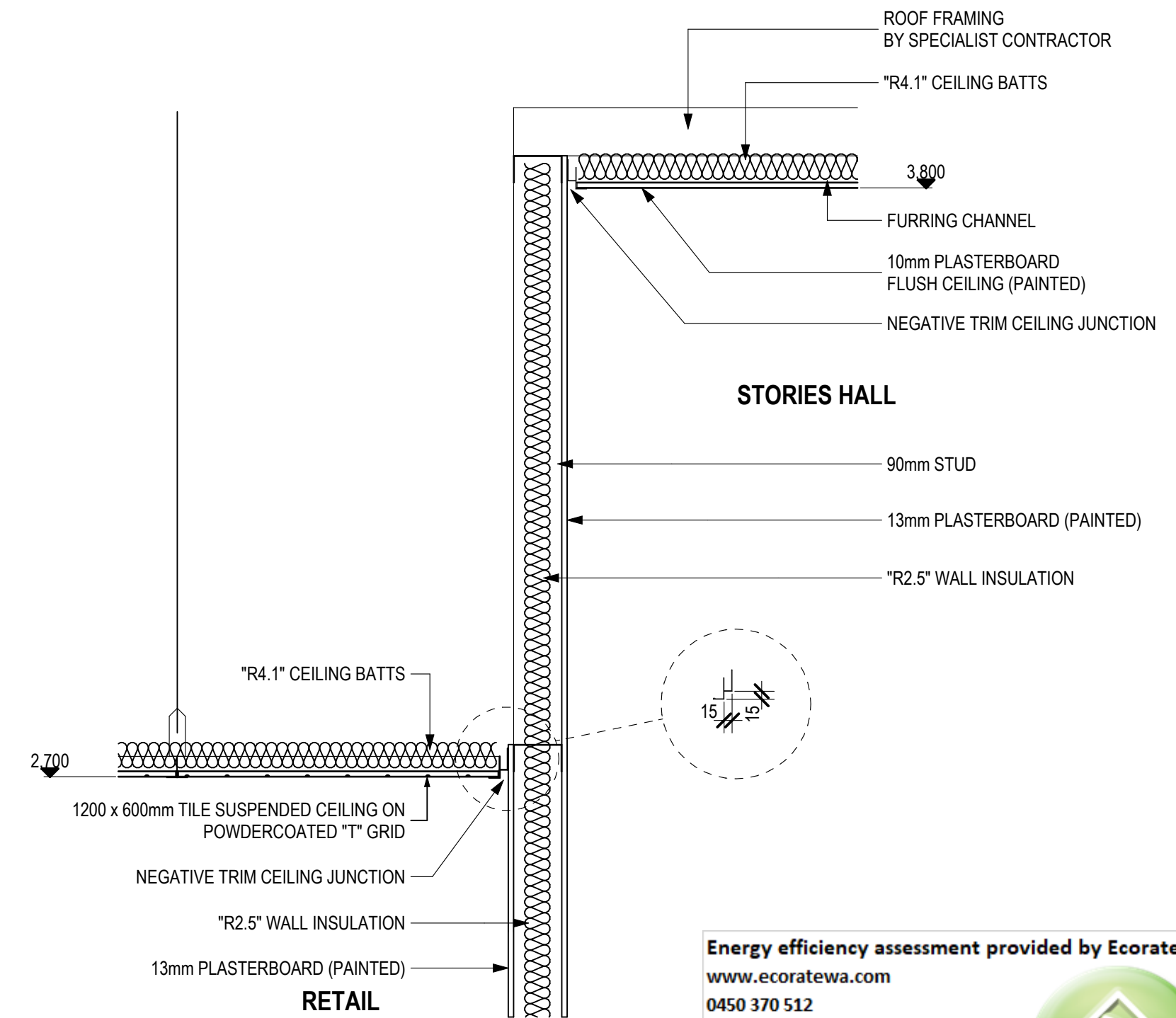
D-01
A 400 Scale 1:10



D-03
A 400 Scale 1:10

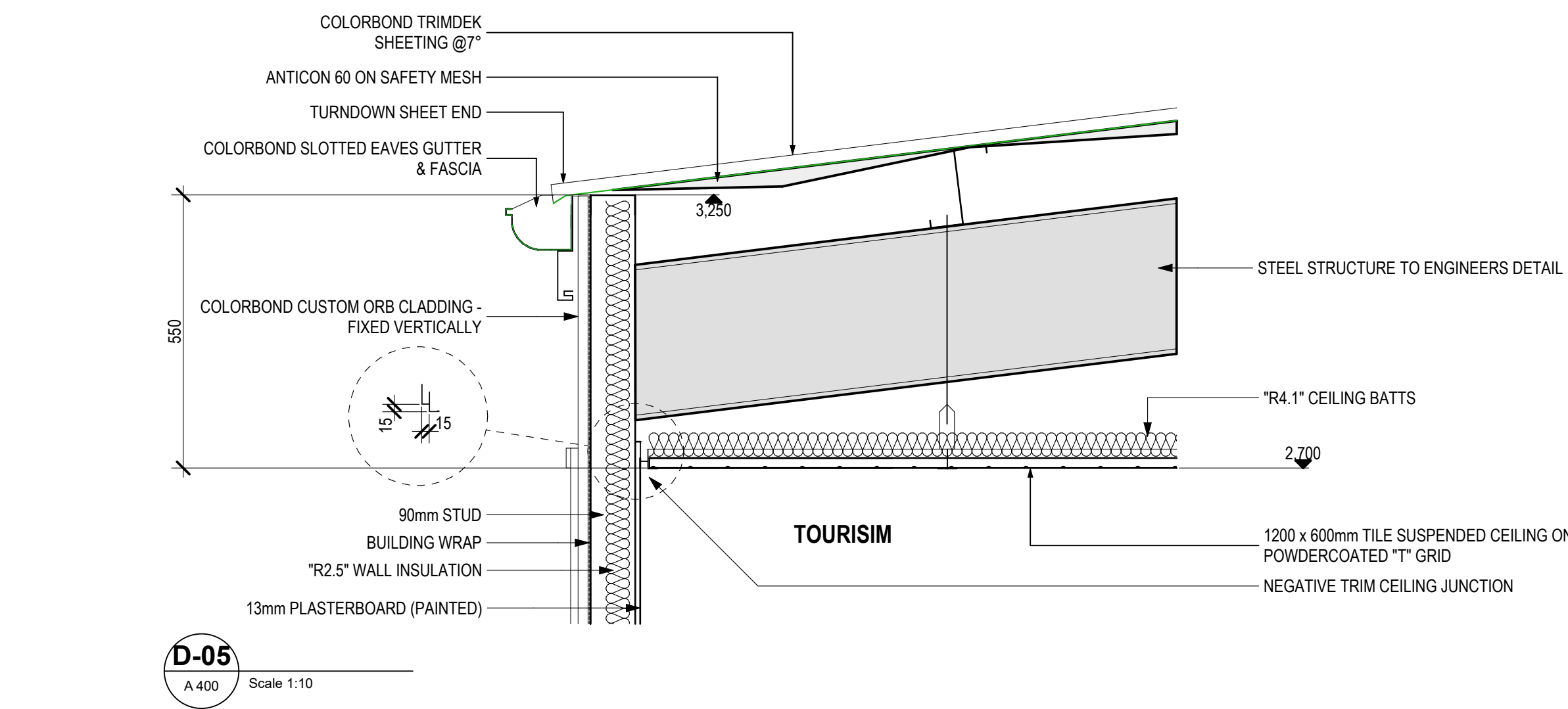
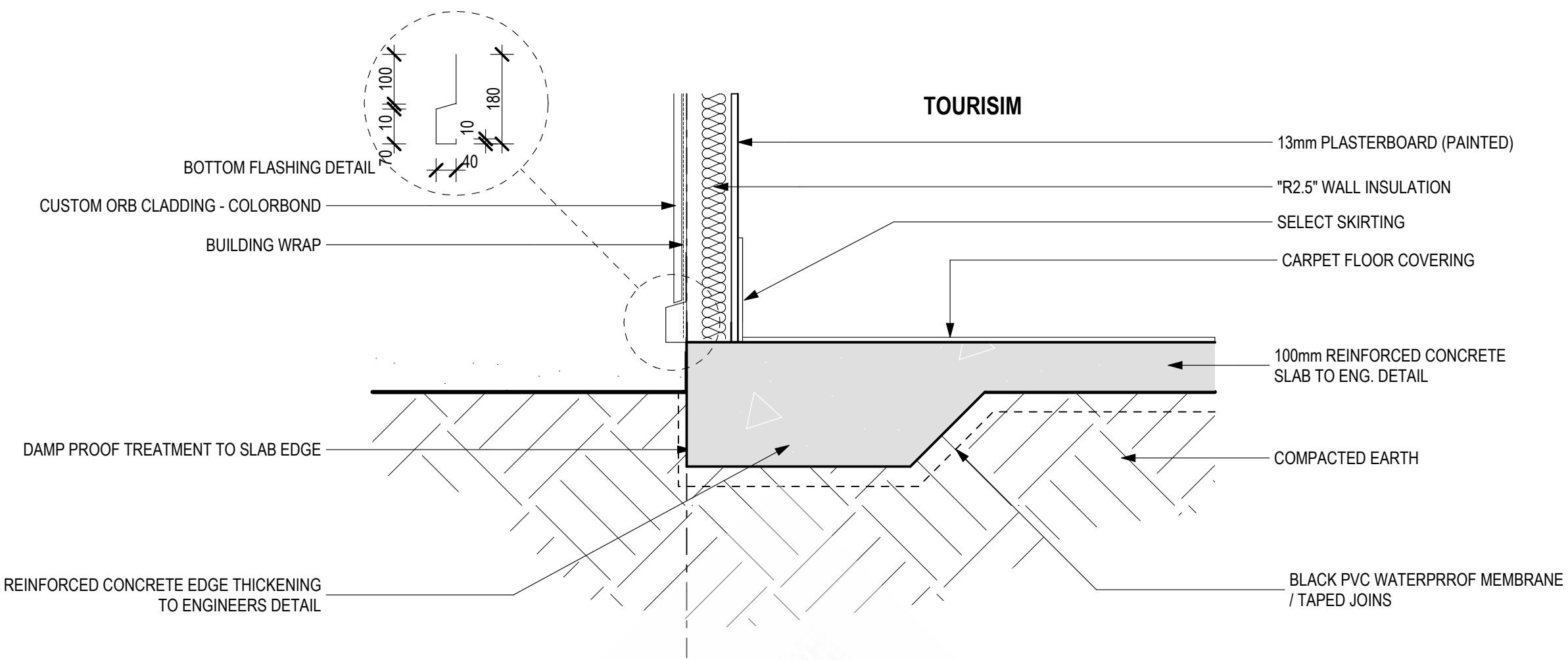
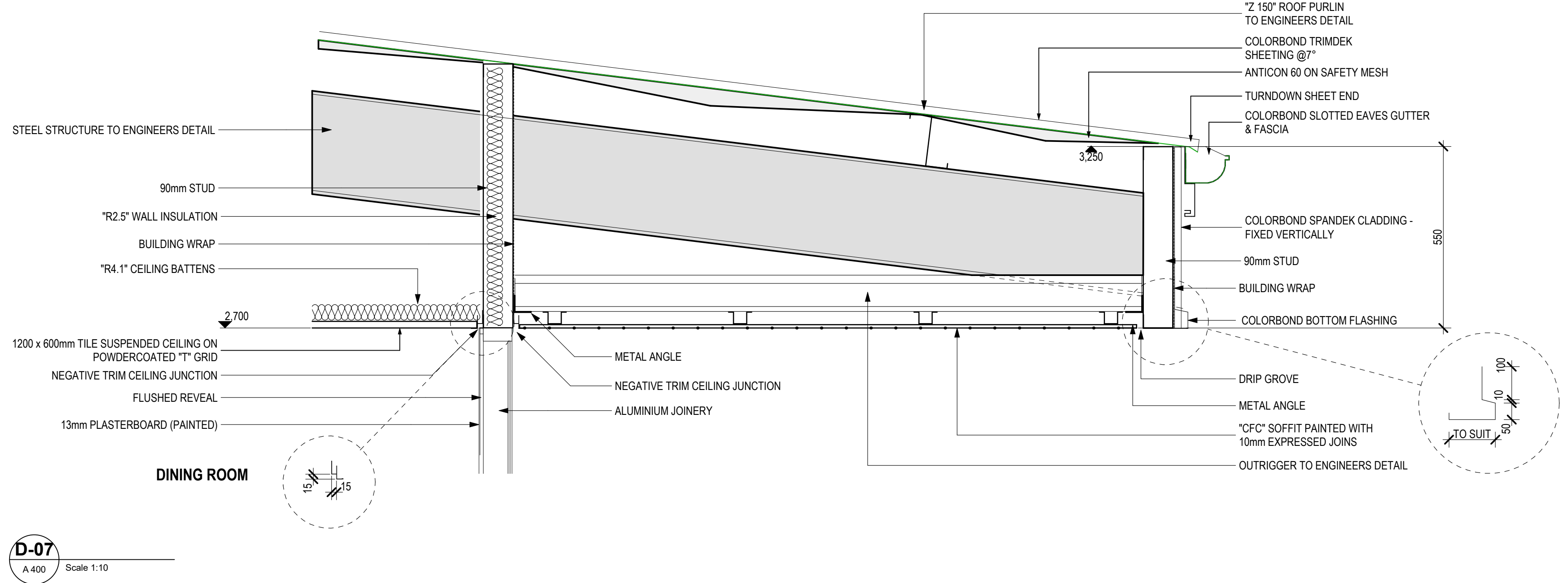


D-02
A 400 Scale 1:10



D-04
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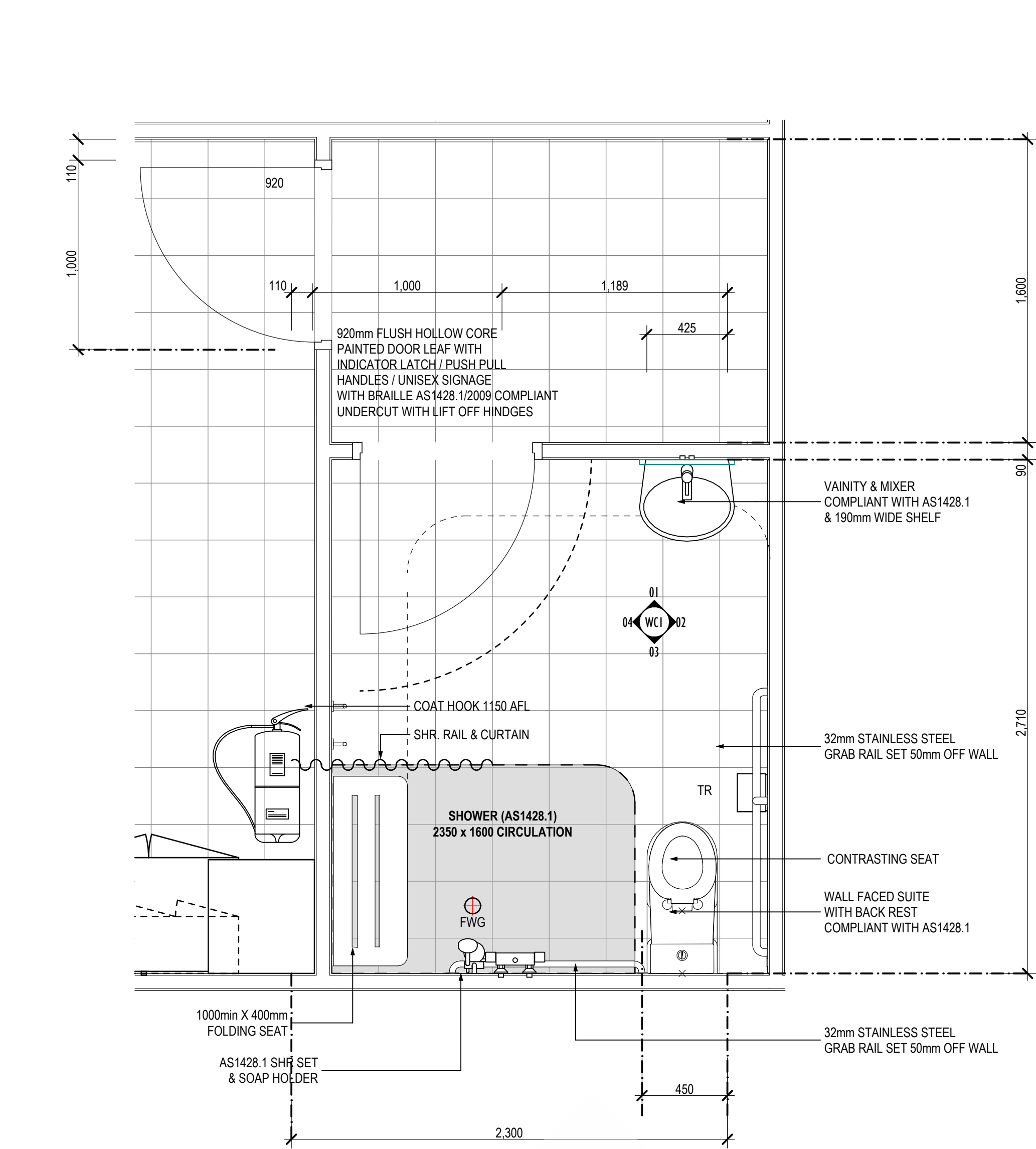


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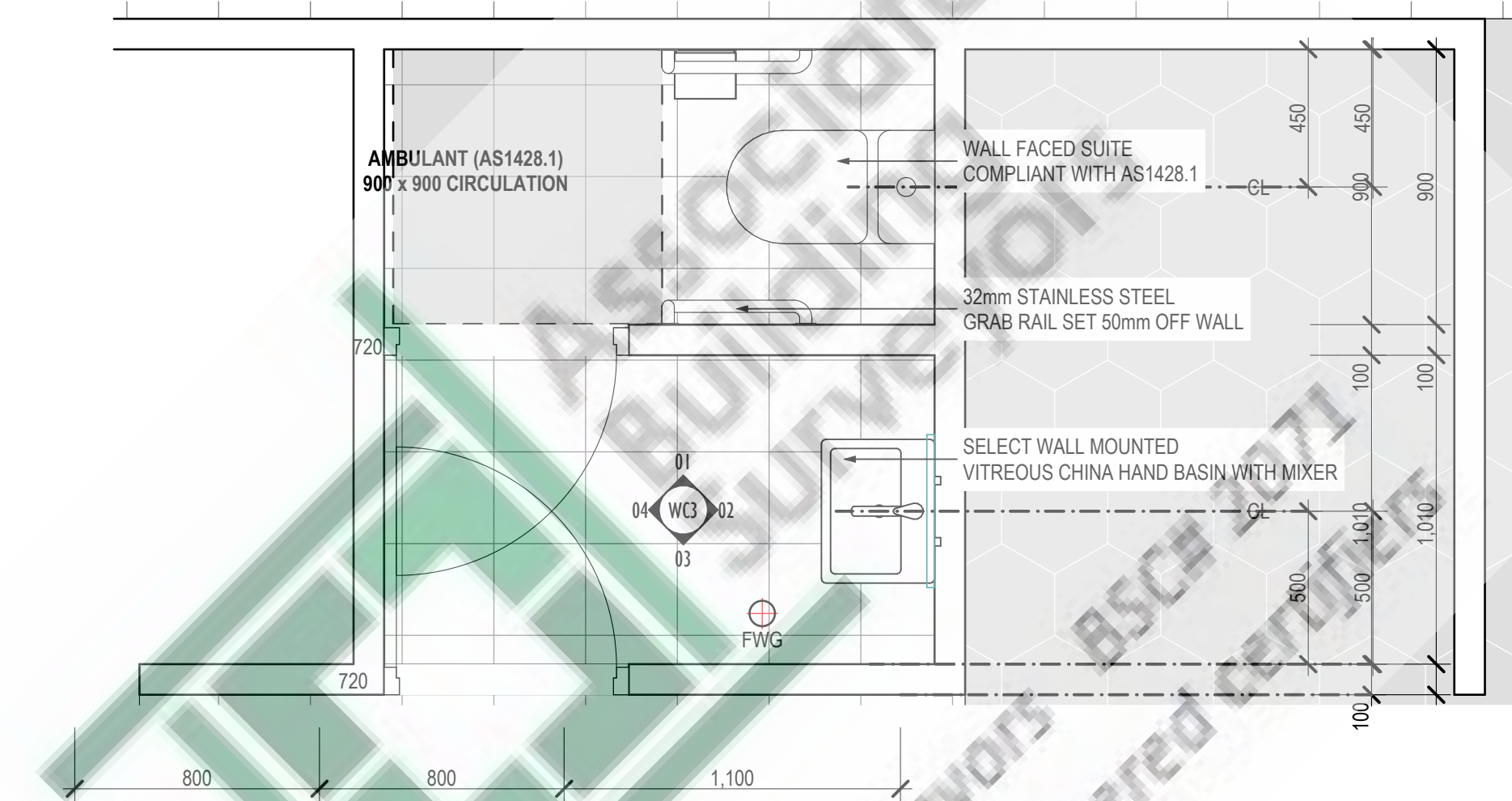
D-06
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D-07
A 400 Scale 1:10

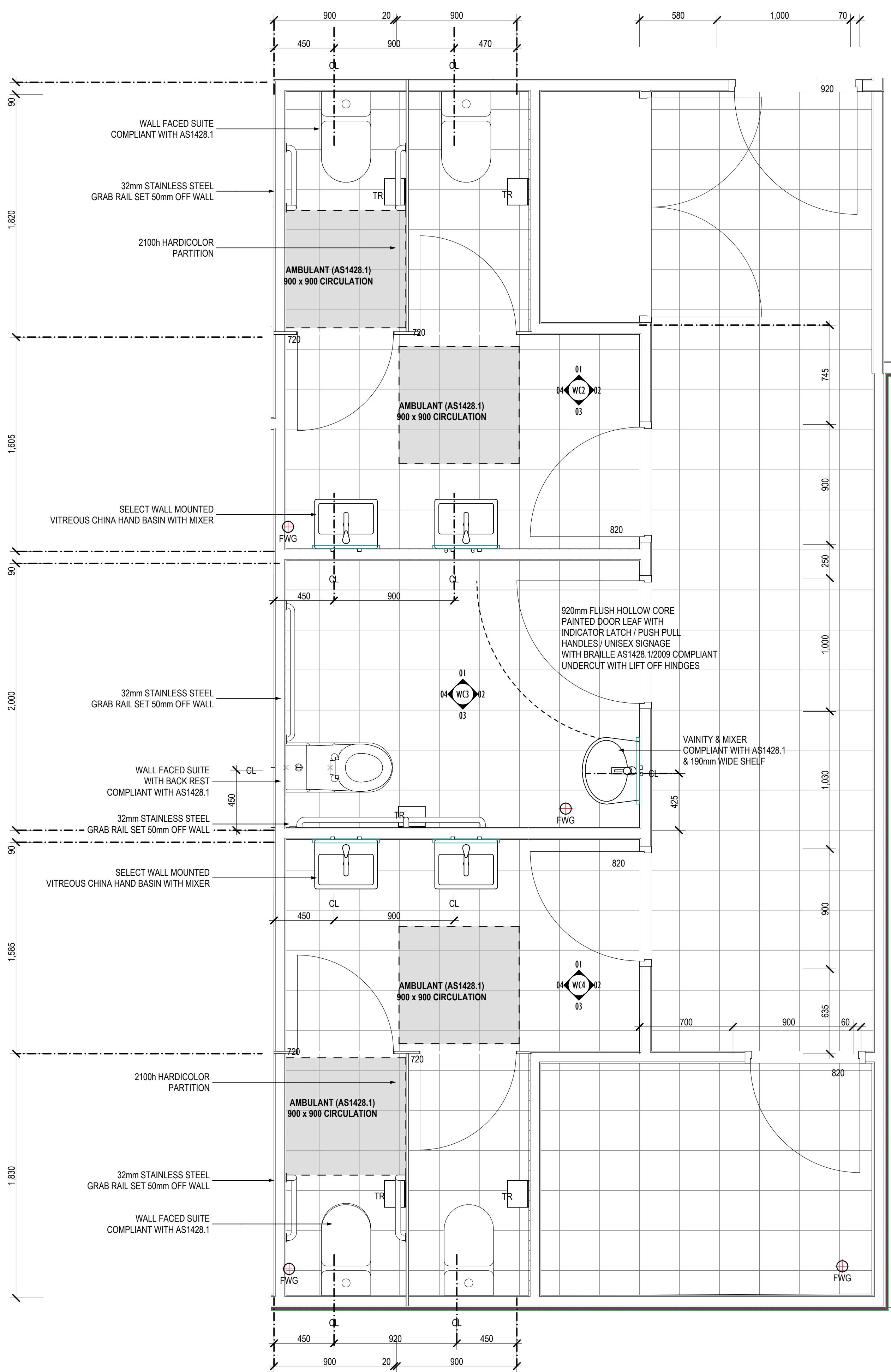




WC 1
#LayID Scale 1:20



WC 3
#LayID Scale 1:20



WC 2 & 3
#LayID Scale 1:20

DENOTES CIRCULATION SPACE
DENOTES NON SLIP TILES WITH 150H TILED SKIRTING
ALL WALLS 90mm STUD WITH 10mm AQUACHECK WATERPROOF COMPOUND BEHIND TILES
ALL TILED SURFACES TO BE SEALED
FWG'S SUBJECT TO FINAL PLUMBING DESIGN
STAINLESS STEEL CURTAIN RAIL WITH CURTAIN
STAINLESS STEEL SOAP HOLDERS

- GENERAL ACCESS NOTES:
- The entry door threshold (should the entry door have a sill) will be no longer than 280mm, no higher than 35mm or exceed the maximum slope of 1:8.
 - All circulation and access not limited to notes herein moreover to comply with all relevant sections of AS1428.1/2009
 - All partition door widths to be minimum 700mm clear opening
 - All circulation space to ambulant facilities to be 900mm x 900mm clear

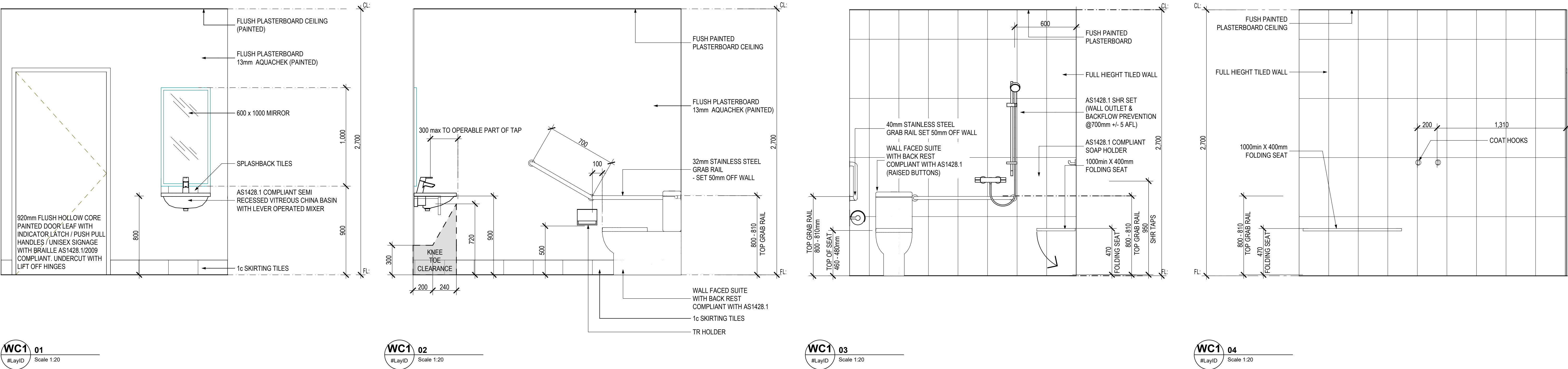
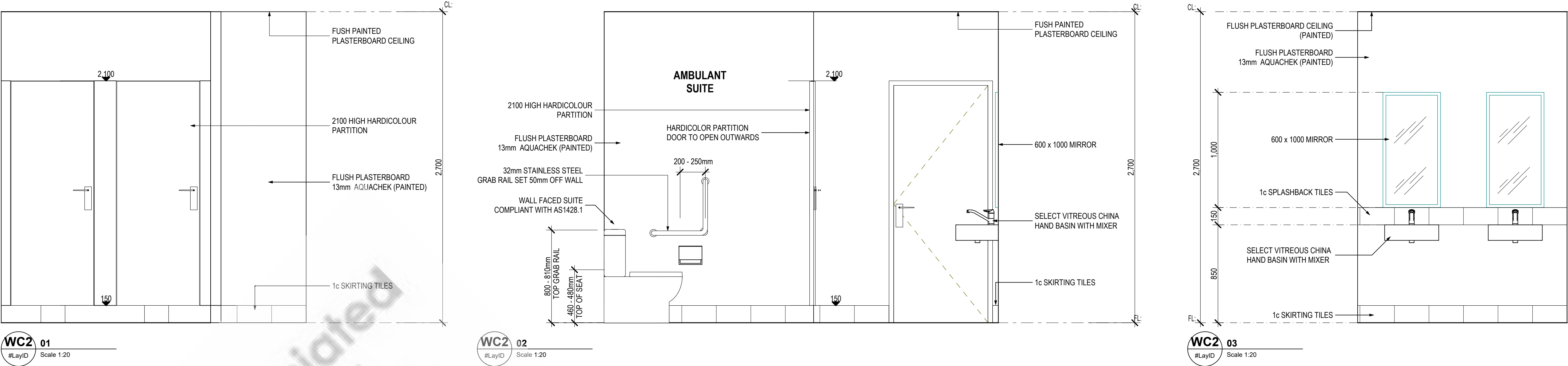
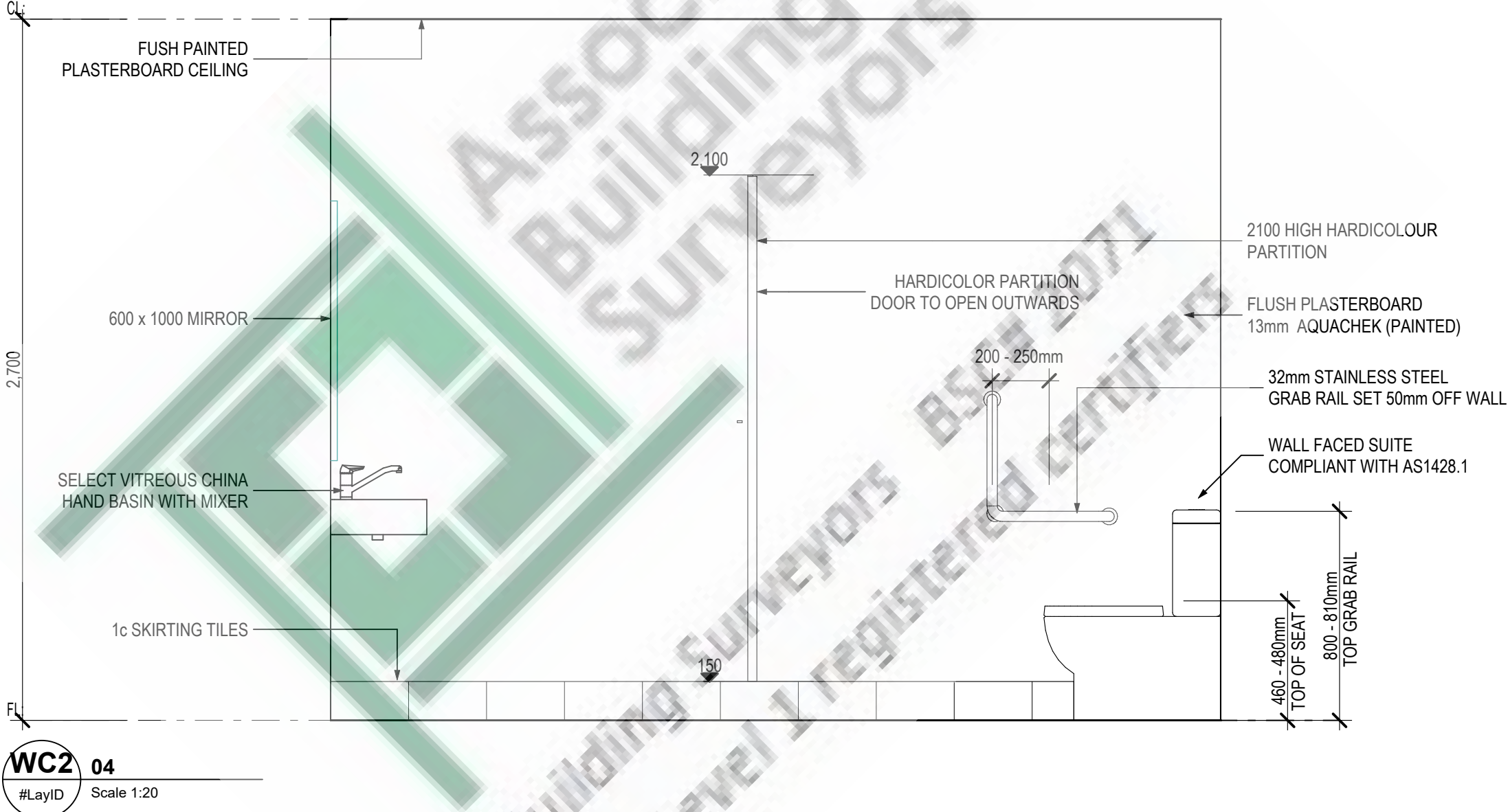
- AS1428.1/2009 NOTES:
- Braille signage to be fitted outside the accessible WC in accordance with the BCA Part D 3.6.
 - All doors shall have a minimum luminance contrast from its surroundings and the clear opening of 850mm complying with AS 1428.1 Part 13.1 and 13.2.
 - The WC seat will have a minimum luminance contrast of 30% from the pan, wall and floor.
 - Install all switches and controls in the accessible paths of travel (all areas) will be located not less than 900mm nor more than 1100mm above the finished floor level and not less than 500mm from internal corners in accordance with 1428.1 part 14.
 - Vanity to be installed in the WC in accordance with AS 1428.1-2009 with regard to AS1428.1/2009 clause15.4.2.

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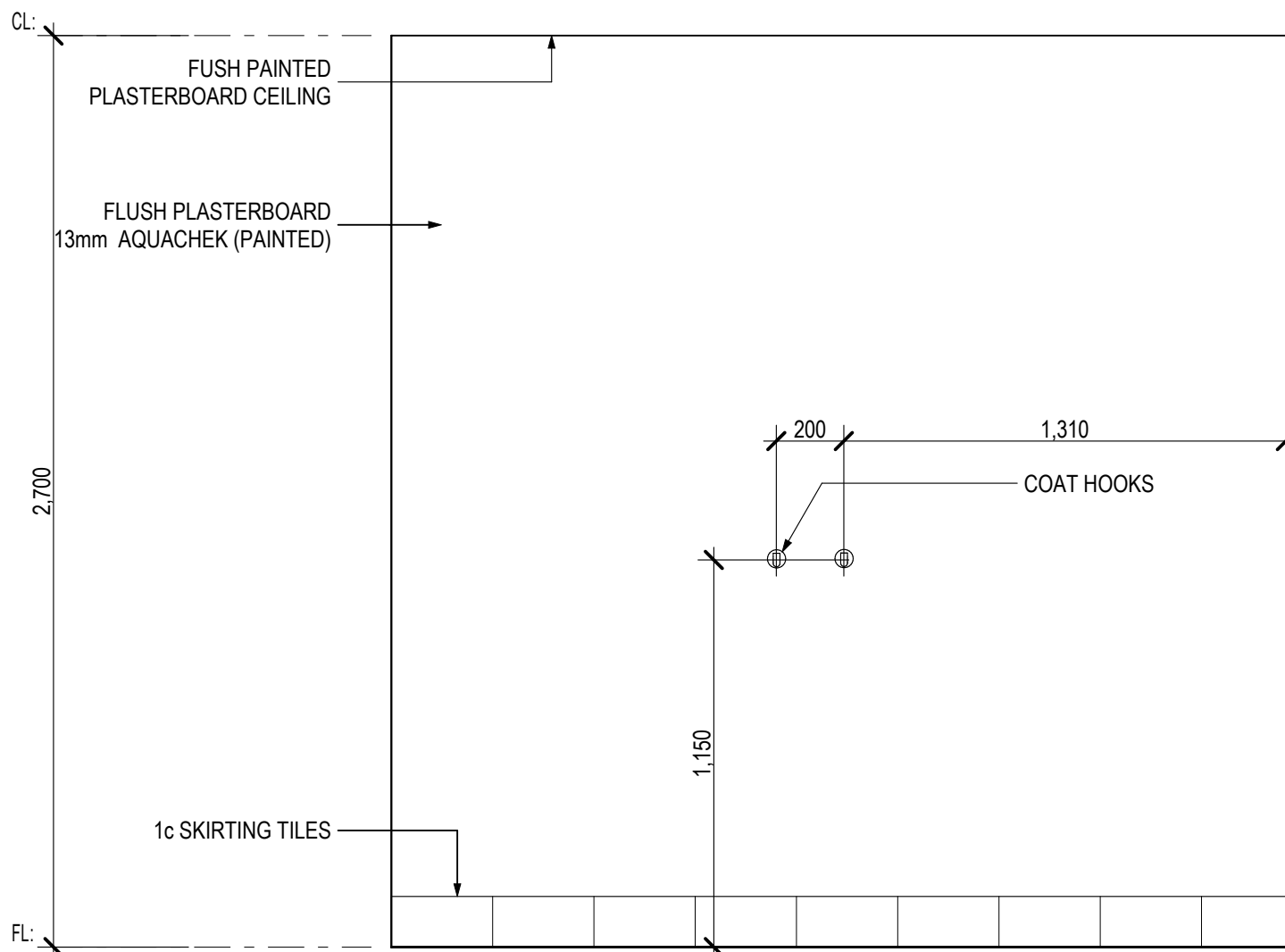


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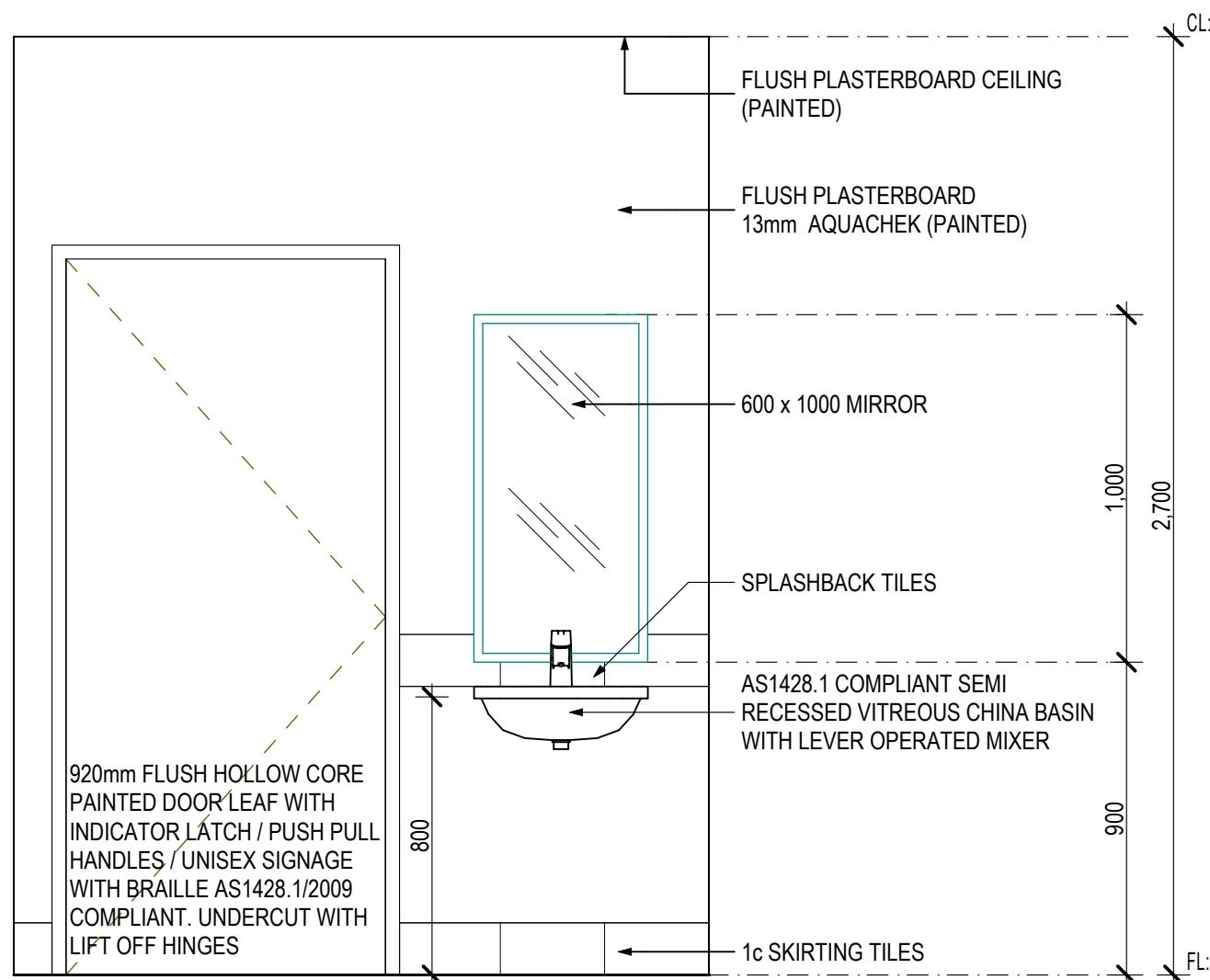


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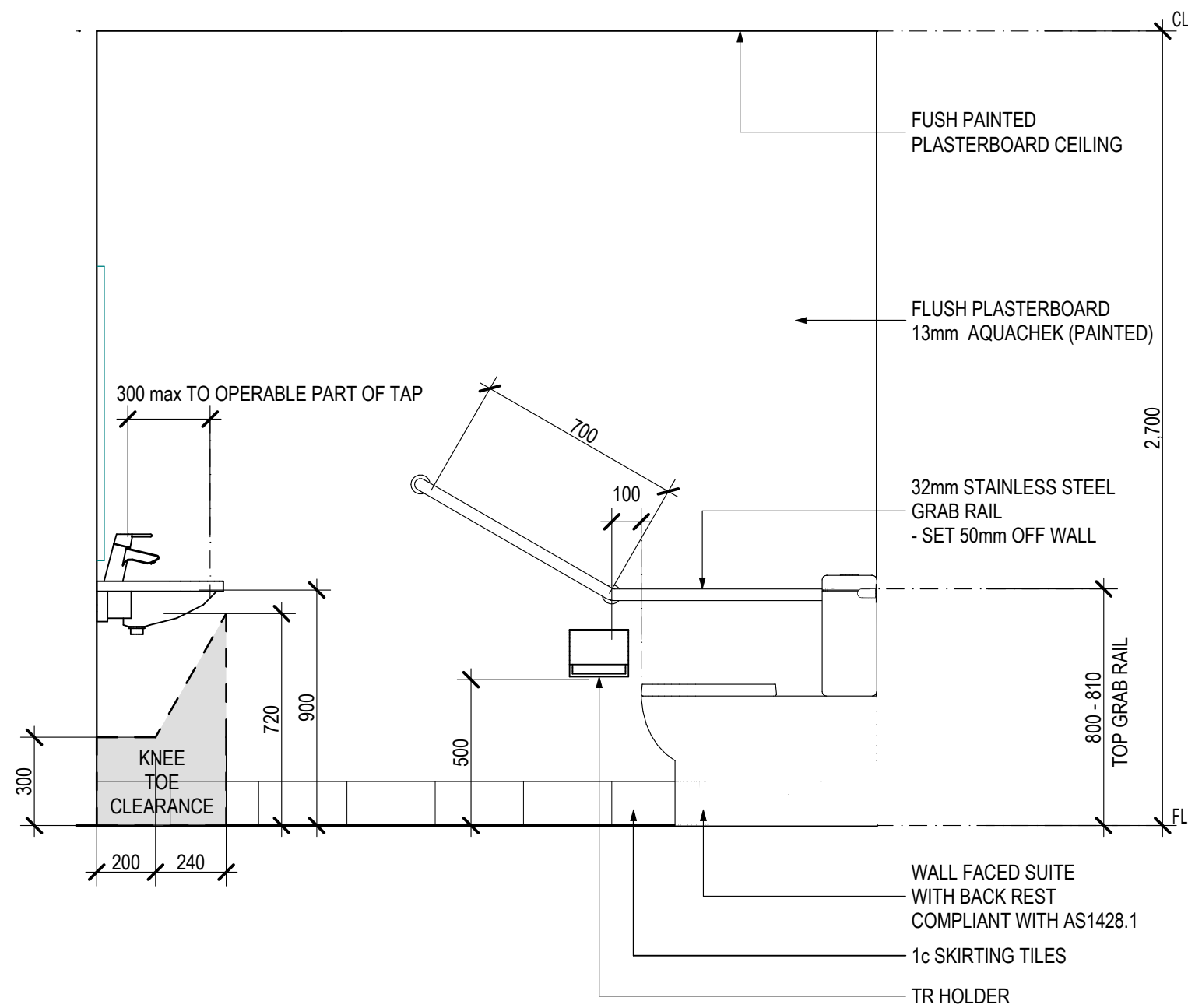
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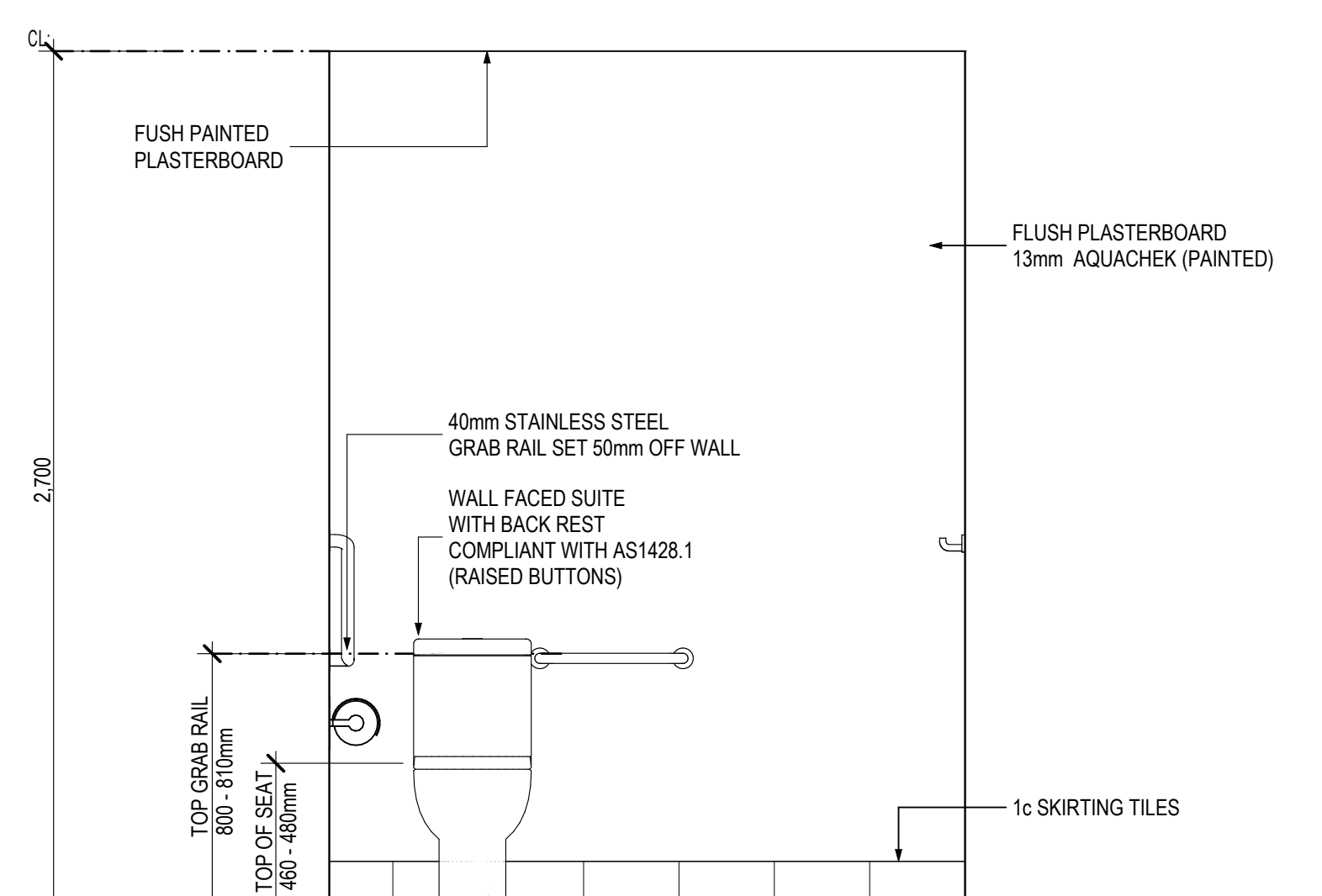
WC3 01
#LayID Scale 1:20



WC3 02
#LayID Scale 1:20

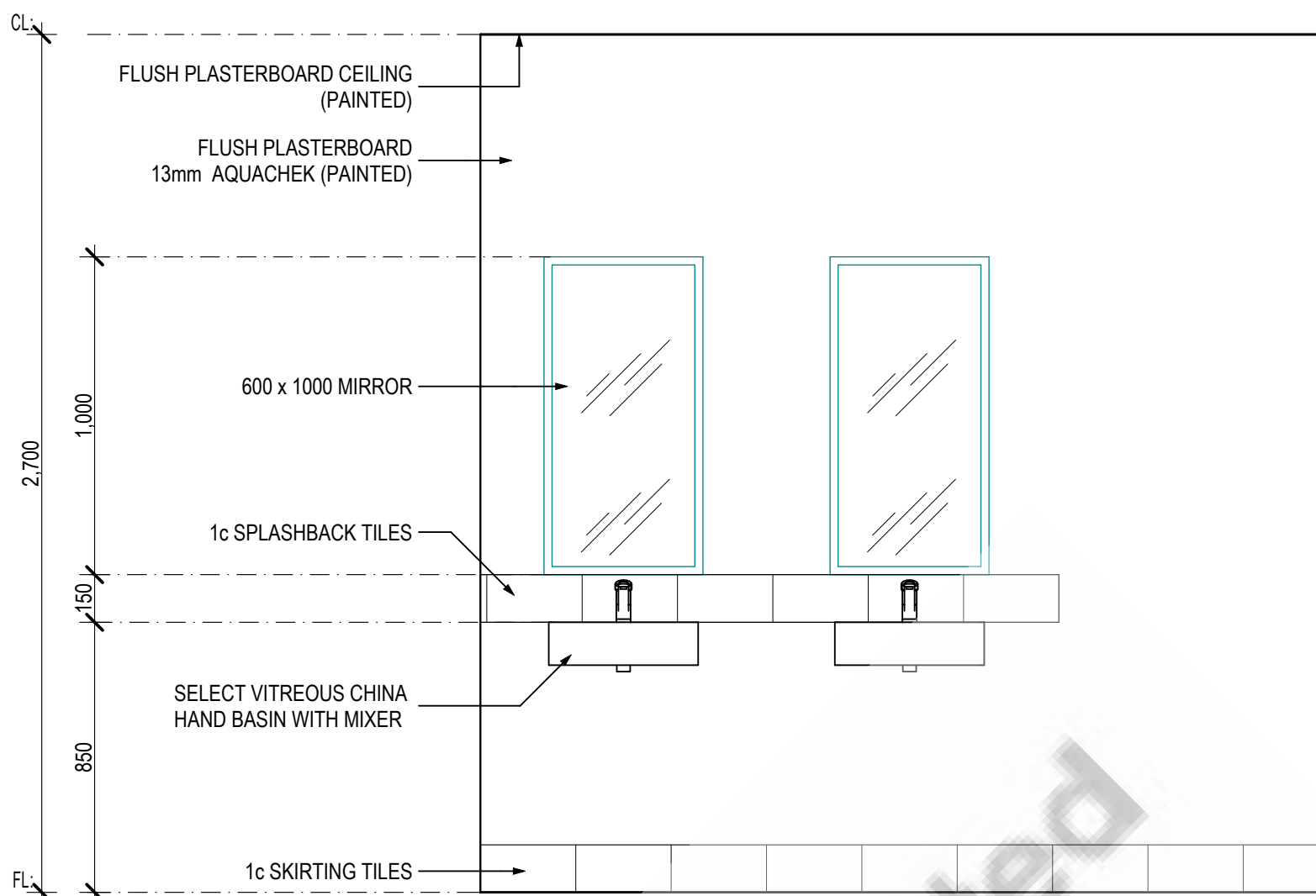


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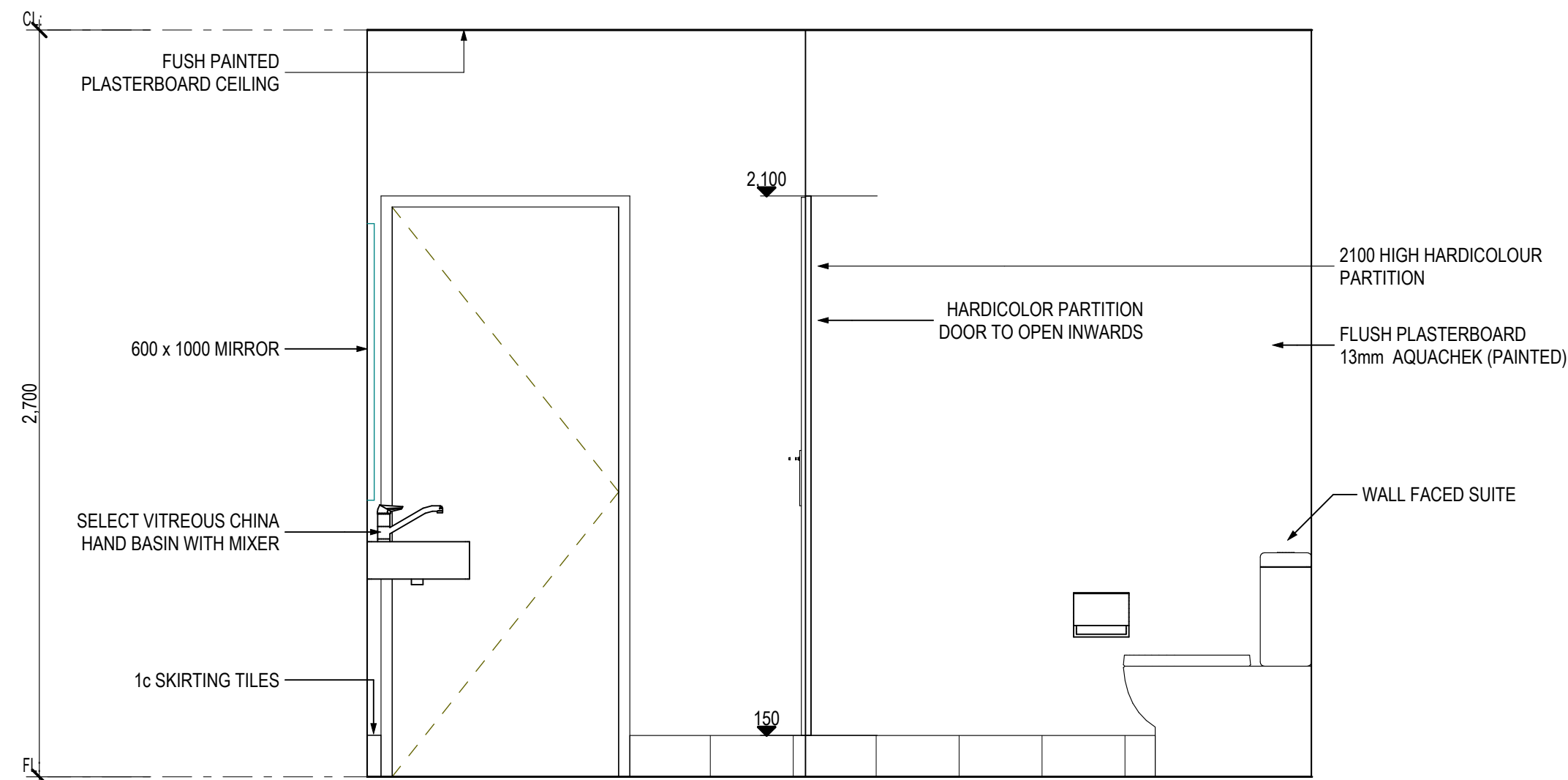


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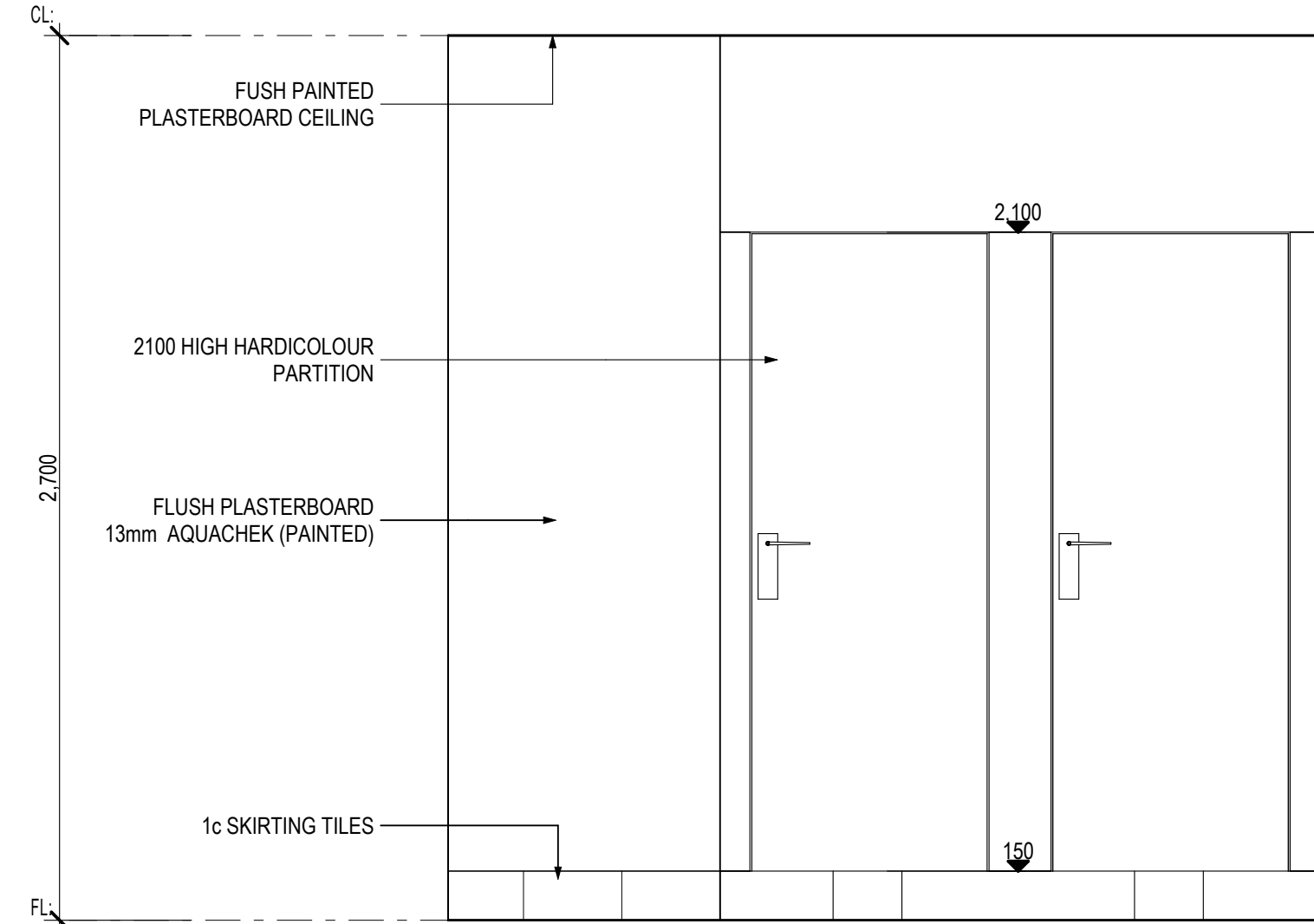
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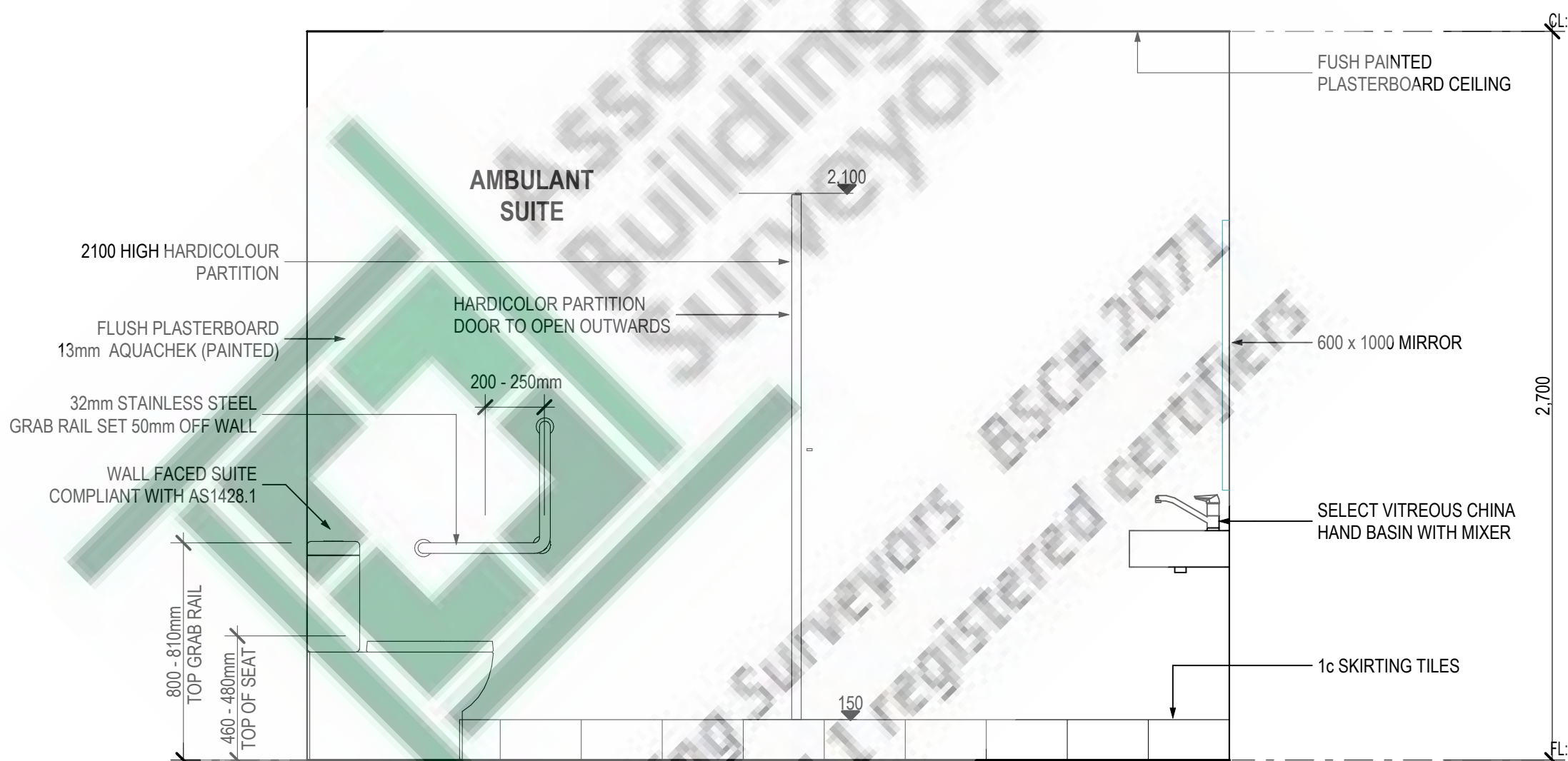
WC4 01
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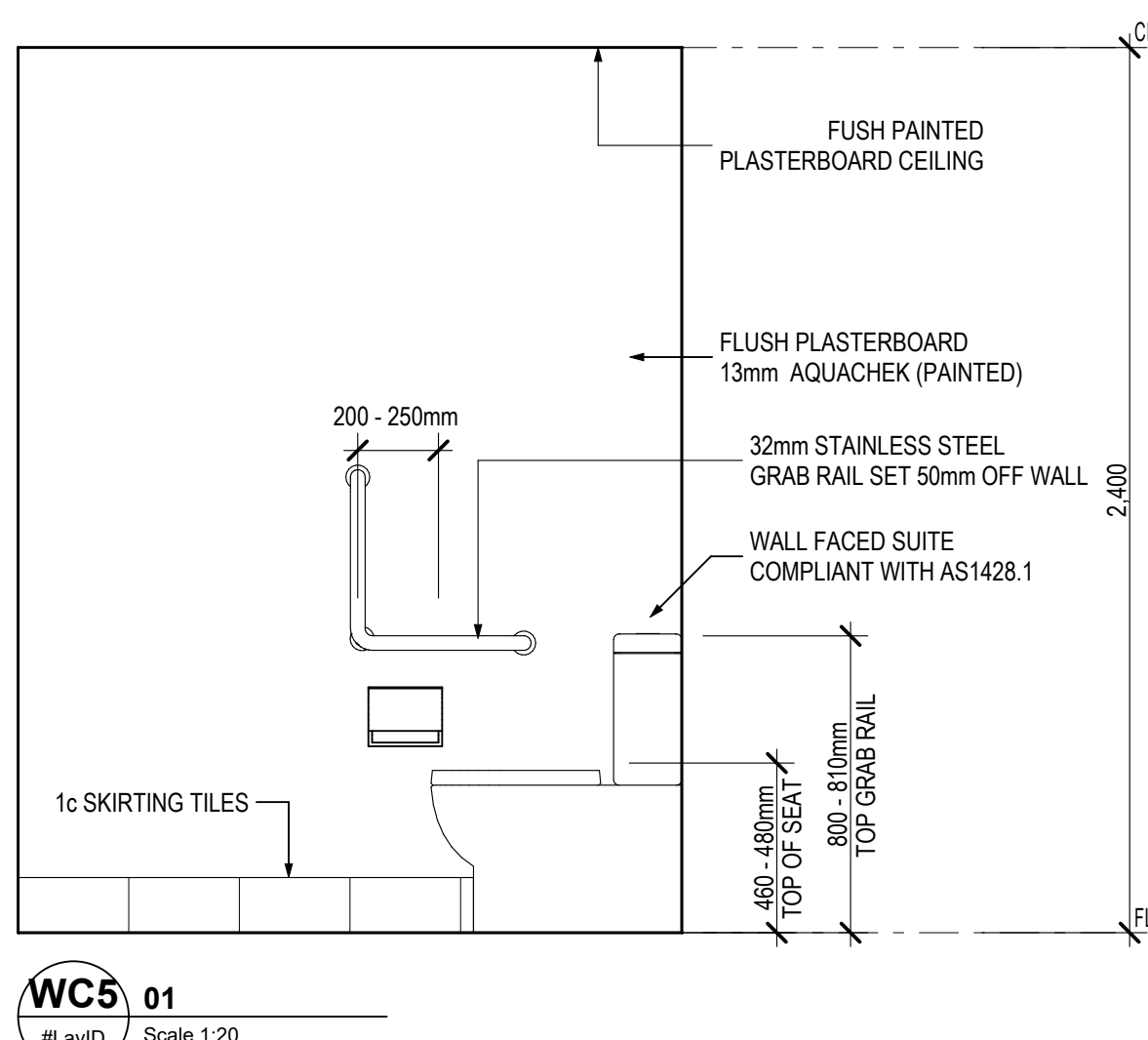
WC4 02
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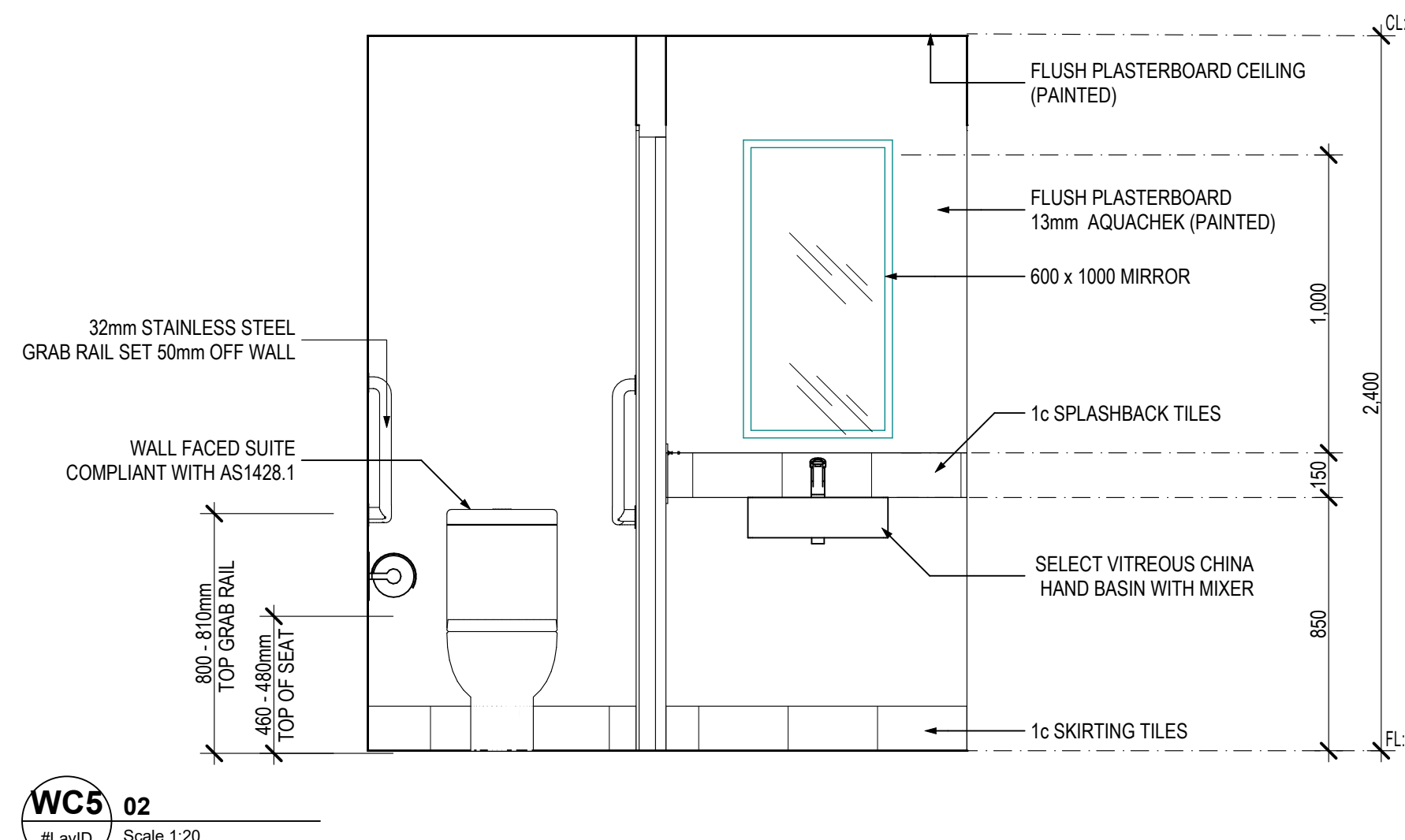
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WC4 04
#LayID Scale 1:20



WC5 01
#LayID Scale 1:20



WC5 02
#LayID Scale 1:20

DENNEY BUILDING

www.denneydesign.com shane@denney.com.au (+61) 0422 228 775

PROPOSED COMMUNITY CULTURAL HUB

5-7 SHADBOLT STREET MUKINBUDIN, WESTERN AUSTRALIA

SHIRE OF MUKINBUDIN

AKRON

ROOM LAYOUTS

S.D

S.D

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6. LARGE SCALE DRAWINGS TO SUPERCEDE SMALL SCALE DRAWINGS.

REV	ITEM	DATE	REV	ITEM	DATE
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1	CDC - SUBMISSION	30/03/2026			
2	CDC - SUBMISSION	13/04/2026			
3	CDC - SUBMISSION	21/04/2026			

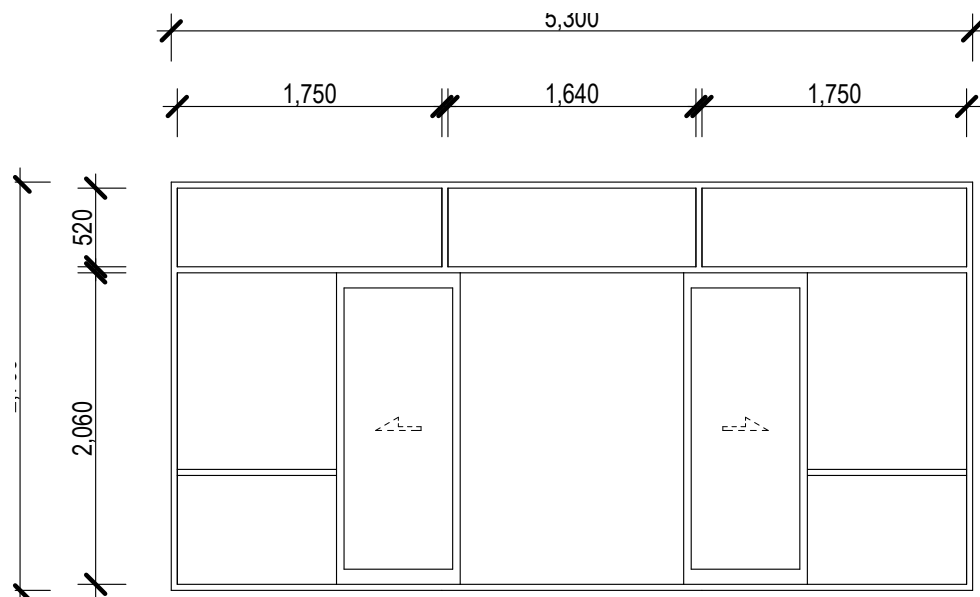
REV	ITEM	DATE	REV	ITEM	DATE
582					
A 502					
3					

CDC

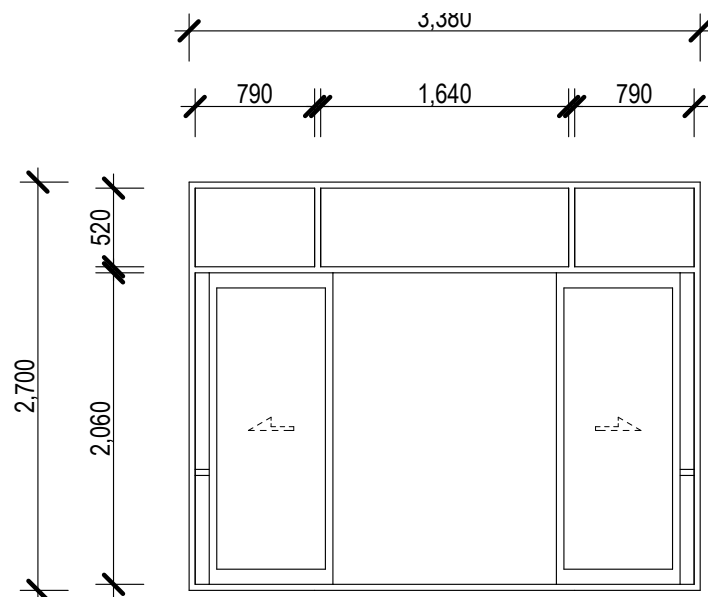
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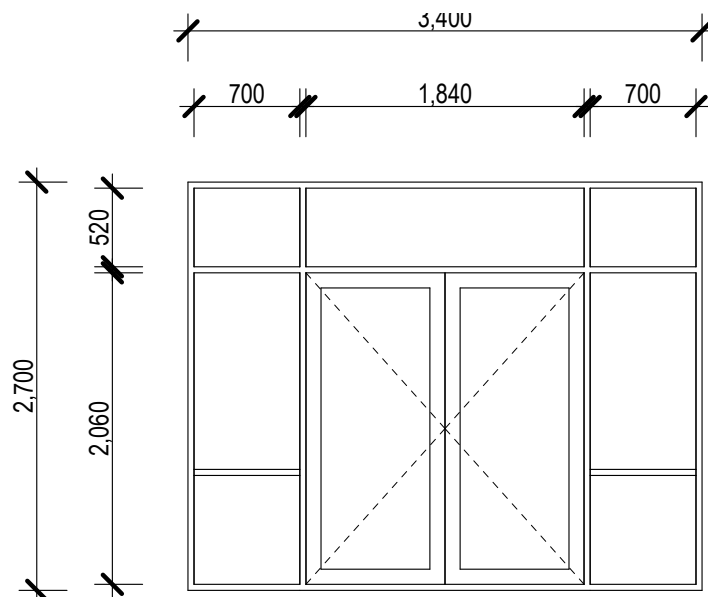
SCALE



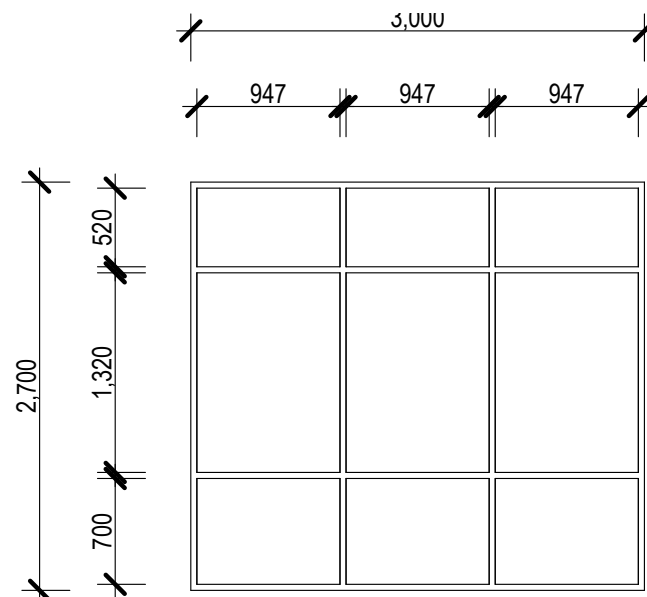
SF01: 1 item (001)
DOOR LEAF & FINISH ALUMINIUM AUTO SLIDING / POWDER COATED
FRAME & FINISH ALUMINIUM/ POWDERCOATED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
HARDWARE: ELECTRIC MOTOR WITH SENSOR
LOCK SET ELECTRIC
SIGNAGE NONE
SEALS WEATHER SEALS
ACCESSORIES MANIFESTATIONS



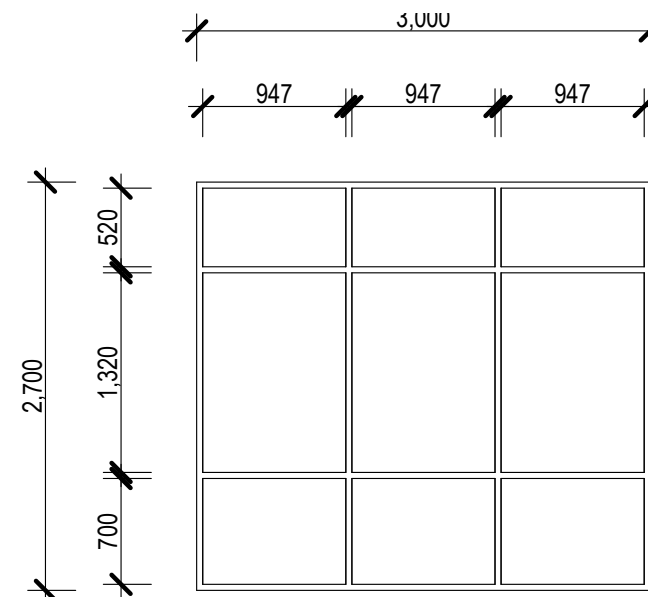
SF02: 1 item (002)
DOOR LEAF & FINISH ALUMINIUM AUTO SLIDING / POWDER COATED
FRAME & FINISH ALUMINIUM/ POWDERCOATED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
HARDWARE: ELECTRIC MOTOR WITH SENSOR
LOCK SET ELECTRIC
SIGNAGE NONE
SEALS WEATHER SEALS
ACCESSORIES MANIFESTATIONS



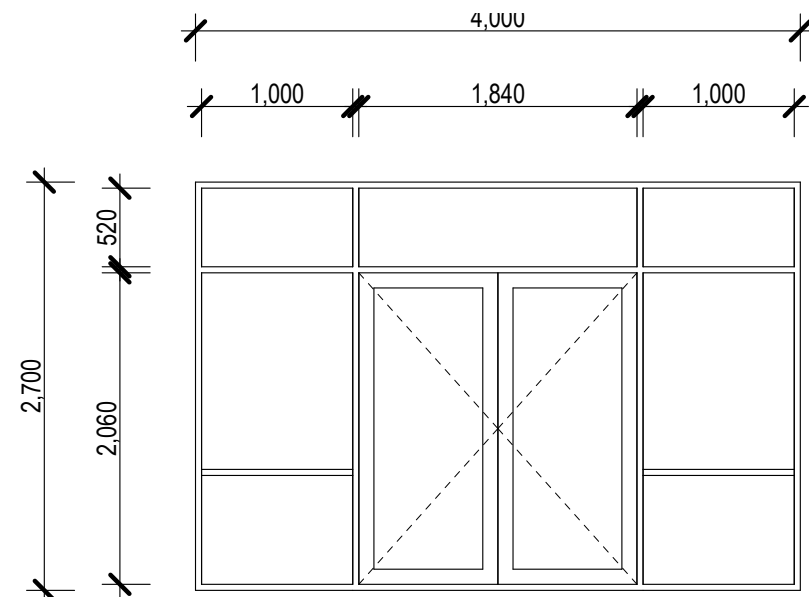
SF03: 1 item (003)
DOOR LEAF & FINISH ALUMINIUM POWDERCOATED
FRAME & FINISH ALUMINIUM/ POWDERCOATED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
HARDWARE SINGLE ACTION LATCH OPERATED HAND SET
LOCK SET EXTERNAL ONLY LOCKING
HINGES BUTT HINGES
SIGNAGE NONE
SEALS WEATHER SEALS
ACCESSORIES DOOR CLOSER
MANIFESTATIONS



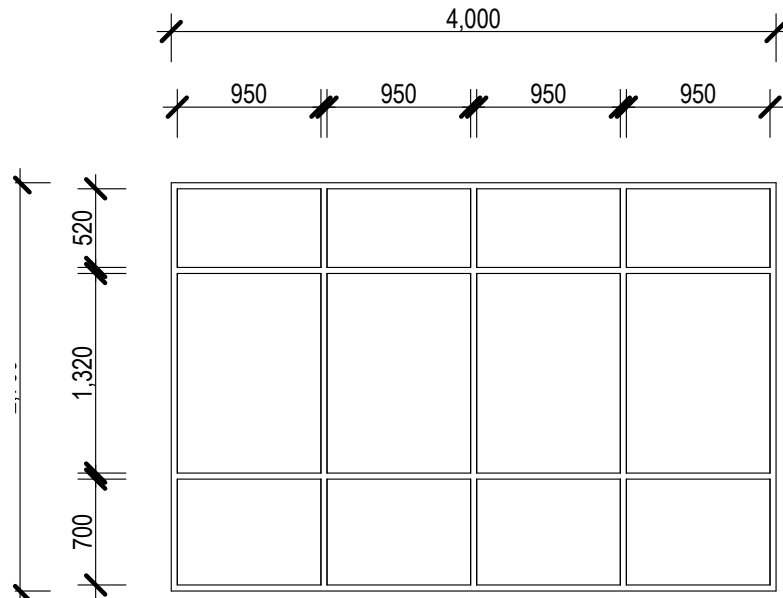
SF04: 1 item (004)
GLAZING TYPE FIXED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
FRAME & FINISH ALUMINIUM/ POWDERCOATED



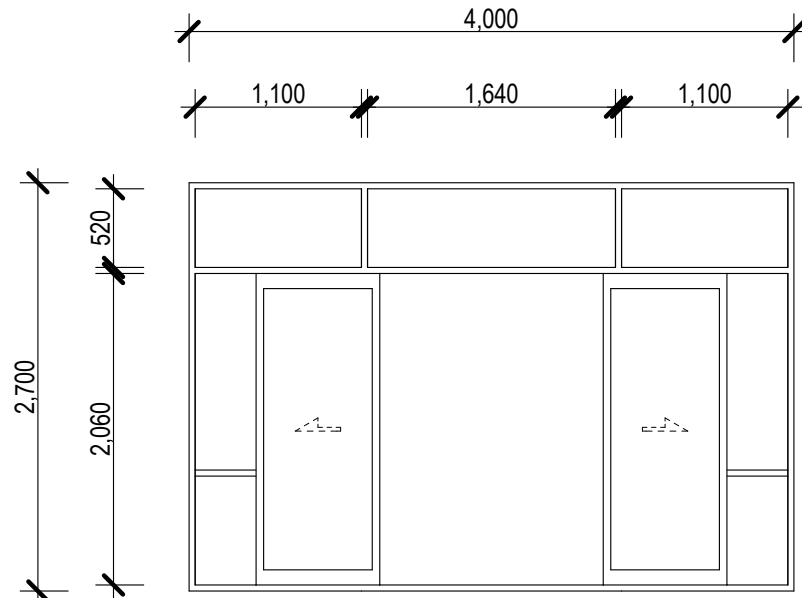
SF05: 1 item (005)
GLAZING TYPE FIXED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
FRAME & FINISH ALUMINIUM/ POWDERCOATED



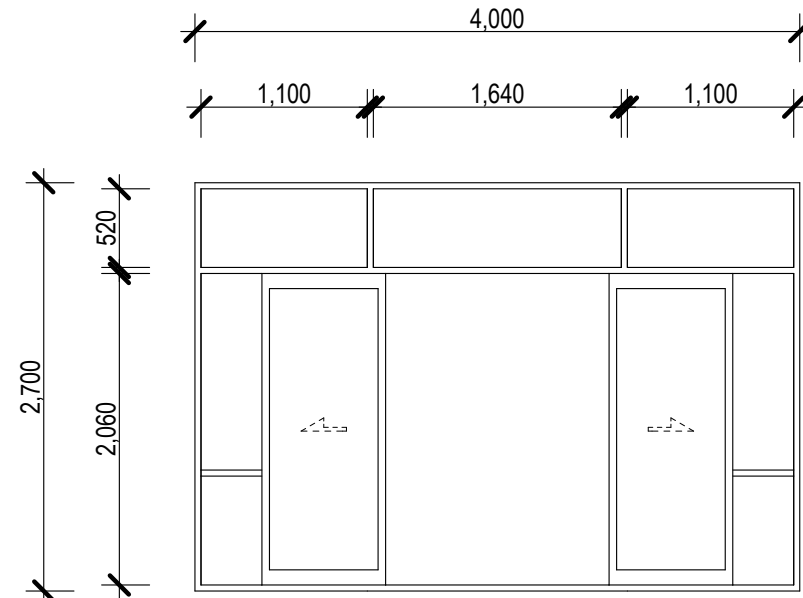
SF06: 1 item (006)
DOOR LEAF & FINISH ALUMINIUM POWDERCOATED
FRAME & FINISH ALUMINIUM/ POWDERCOATED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
HARDWARE SINGLE ACTION LATCH OPERATED HAND SET
LOCK SET EXTERNAL ONLY LOCKING
HINGES BUTT HINGES
SIGNAGE NONE
SEALS WEATHER SEALS
ACCESSORIES DOOR CLOSER
MANIFESTATIONS



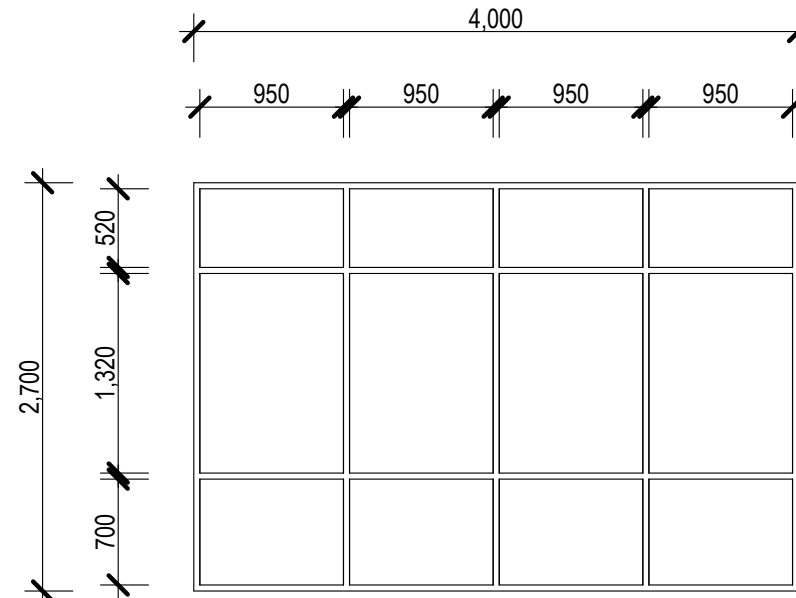
SF07: 1 item (016)
GLAZING TYPE FIXED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
FRAME & FINISH ALUMINIUM/ POWDERCOATED



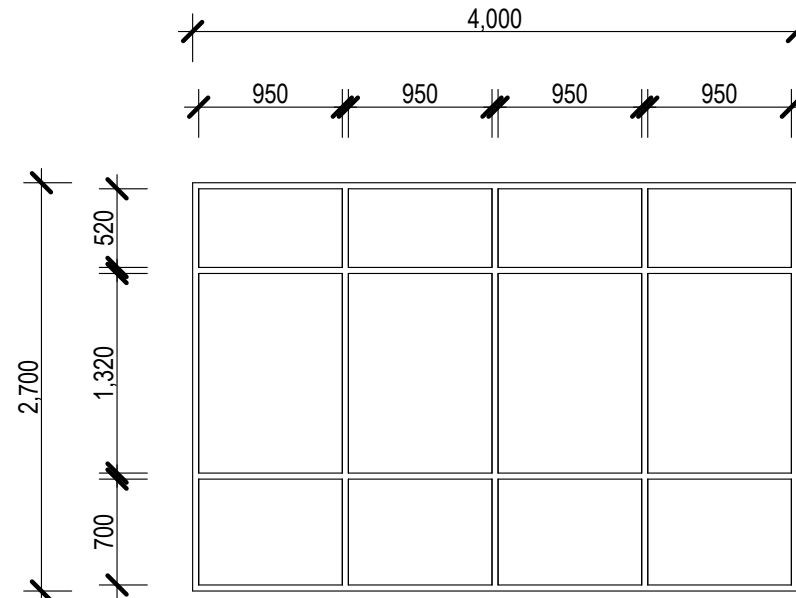
SF08: 1 item (017)
DOOR LEAF & FINISH ALUMINIUM AUTO SLIDING / POWDER COATED
FRAME & FINISH ALUMINIUM/ POWDERCOATED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
HARDWARE: ELECTRIC MOTOR WITH SENSOR
LOCK SET ELECTRIC
SIGNAGE NONE
SEALS WEATHER SEALS
ACCESSORIES MANIFESTATIONS



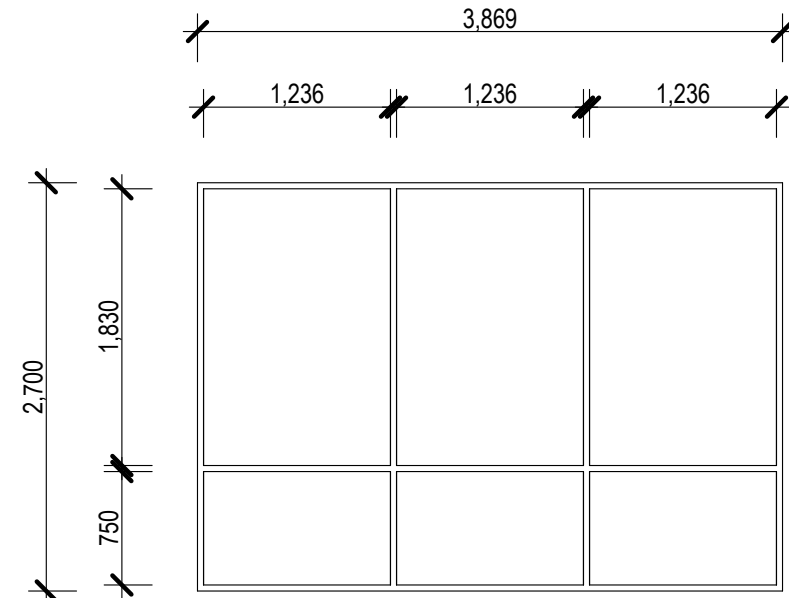
SF09: 1 item (018)
DOOR LEAF & FINISH ALUMINIUM AUTO SLIDING / POWDER COATED
FRAME & FINISH ALUMINIUM/ POWDERCOATED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
HARDWARE: ELECTRIC MOTOR WITH SENSOR
LOCK SET ELECTRIC
SIGNAGE NONE
SEALS WEATHER SEALS
ACCESSORIES MANIFESTATIONS



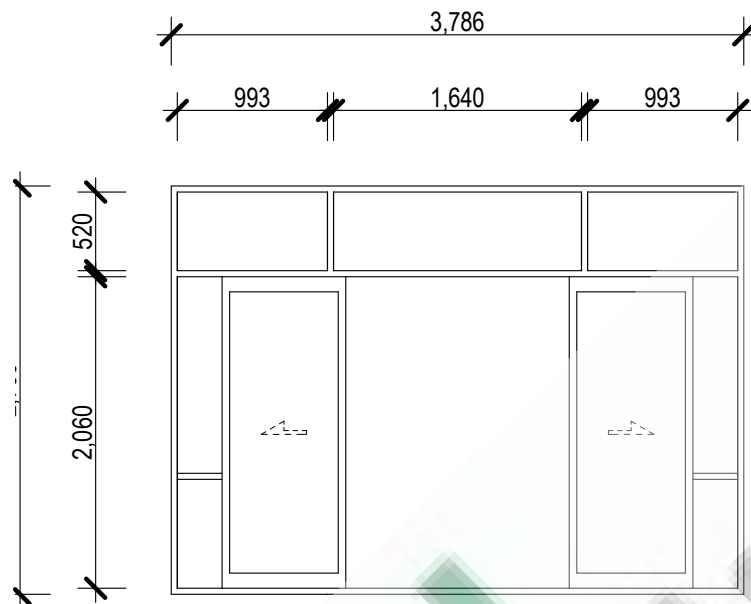
SF10: 1 item (019)
GLAZING TYPE FIXED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
FRAME & FINISH ALUMINIUM/ POWDERCOATED



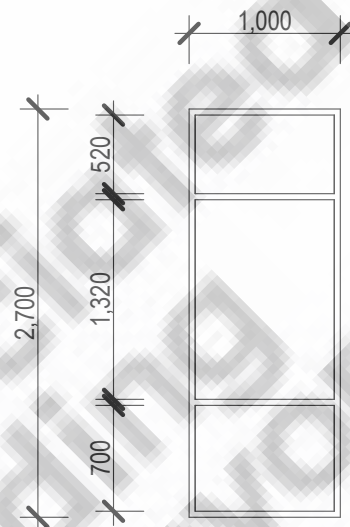
SF11: 1 item (020)
GLAZING TYPE FIXED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
FRAME & FINISH ALUMINIUM/ POWDERCOATED



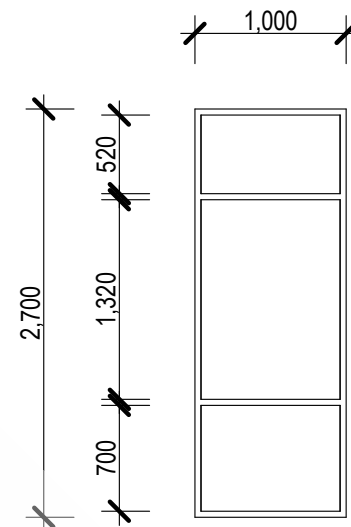
SF12: 1 item (021)
GLAZING TYPE FIXED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
FRAME & FINISH ALUMINIUM/ POWDERCOATED



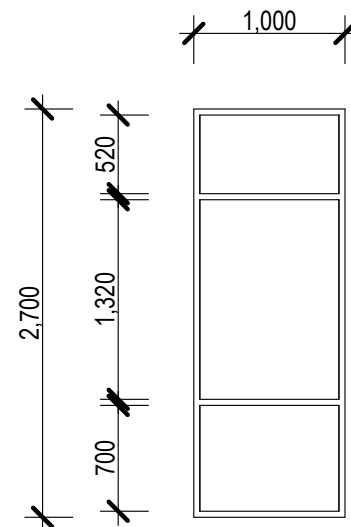
SF13: 1 item (022)
DOOR LEAF & FINISH ALUMINIUM POWDERCOATED
FRAME & FINISH ALUMINIUM/ POWDERCOATED
GLAZING CLEAR IN ACCORDANCE WITH AS1288 & AS2208 & ENEGY REPORT
HARDWARE: AS PER MANUFACTURES SPECIFICATION
SIGNAGE NONE
SEALS ACOUSTIC SEALS
ACCESSORIES MANIFESTATIONS



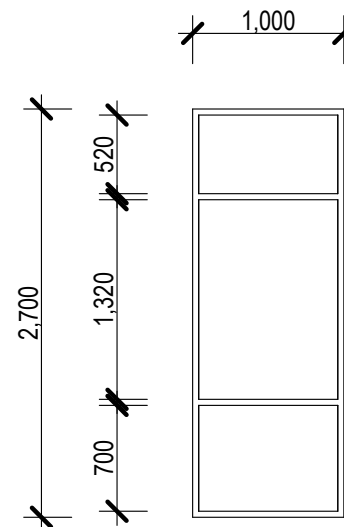
W01: 1 item (011)
DOOR LEAF & FINISH ALUMINIUM AUTO SLIDING / POWDER COATED
FRAME & FINISH ALUMINIUM/ POWDERCOATED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
HARDWARE: ELECTRIC MOTOR WITH SENSOR
LOCK SET ELECTRIC
SIGNAGE NONE
SEALS WEATHER SEALS
ACCESSORIES MANIFESTATIONS



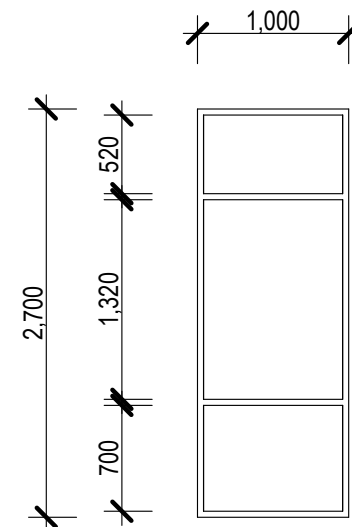
W01: 1 item (012)
GLAZING TYPE FIXED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
FRAME & FINISH ALUMINIUM/ POWDERCOATED



W01: 1 item (013)
GLAZING TYPE FIXED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
FRAME & FINISH ALUMINIUM/ POWDERCOATED



W01: 1 item (014)
GLAZING TYPE FIXED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
FRAME & FINISH ALUMINIUM/ POWDERCOATED



W01: 1 item (015)
GLAZING TYPE FIXED
GLAZING AS PER ENEGY REPORT & IN ACCORDANCE WITH AS1288 & AS2208
FRAME & FINISH ALUMINIUM/ POWDERCOATED

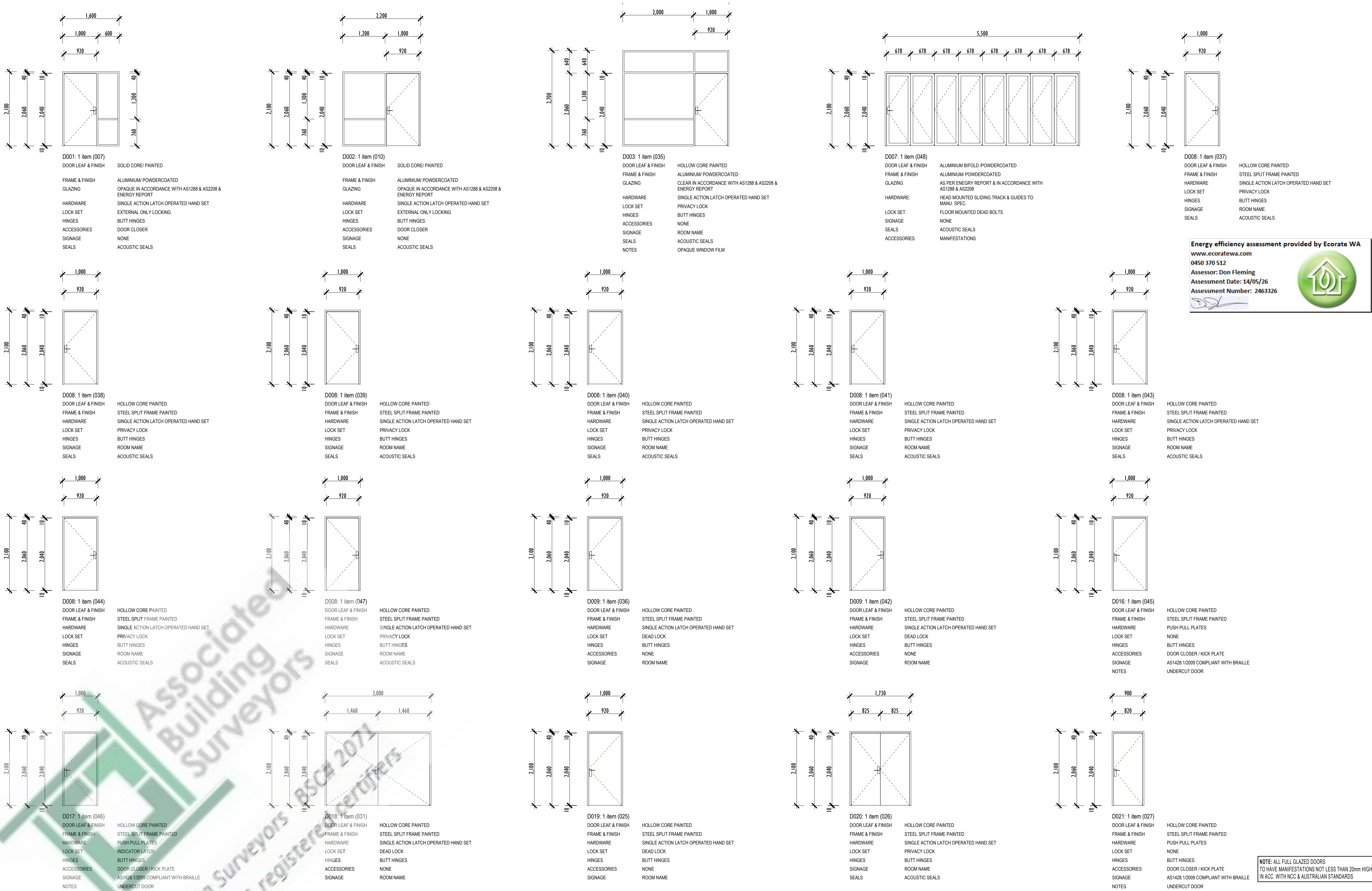
NOTE: ALL FULL GLAZED DOORS TO HAVE MANIFESTATIONS NOT LESS THAN 20mm HIGH IN ACC. WITH NCC & AUSTRALIAN STANDARDS

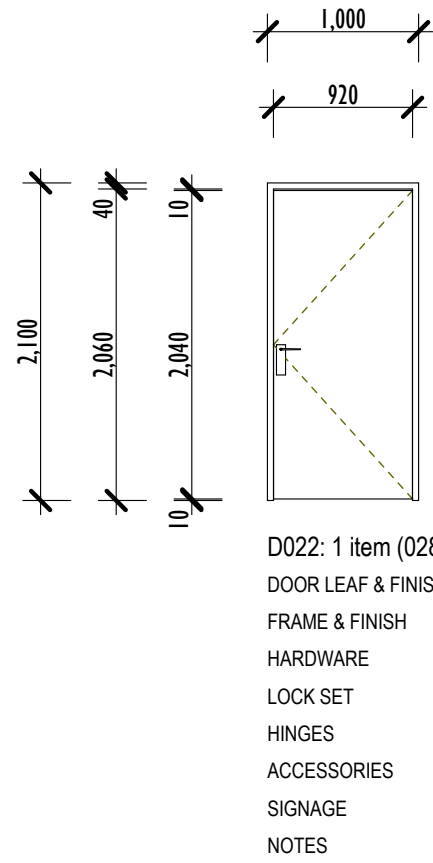
ALUMINIUM JOINERY SCHEDULE
Scale 1:50

Energy efficiency assessment provided by Ecorate WA
www.ecoratewa.com
0450 370 512
Assessor: Don Fleming
Assessment Date: 14/05/26
Assessment Number: 2463326

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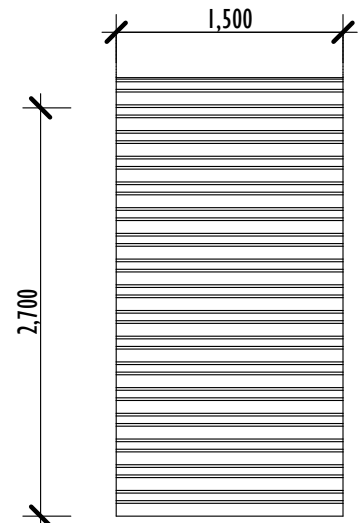
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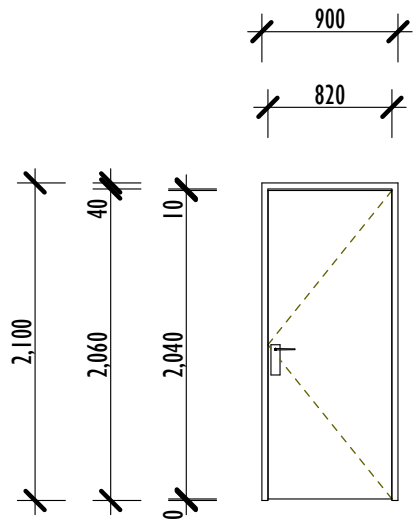
D022: 1 item (028)
DOOR LEAF & FINISH
FRAME & FINISH
HARDWARE
LOCK SET
HINGES
ACCESSORIES
SIGNAGE
NOTES

HOLLOW CORE PAINTED
STEEL SPLIT FRAME PAINTED
PUSH PULL PLATES
INDICATOR LATCH
BUTT HINGES
DOOR CLOSER / KICK PLATE
AS1428.1/2009 COMPLIANT WITH BRAILLE
UNDERCUT DOOR



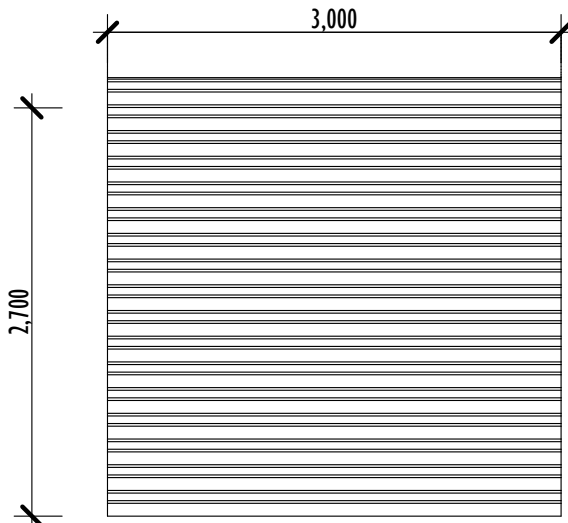
RD01: 1 item (008)
DOOR LEAF & FINISH
FRAME & FINISH
ACCESSORIES
LOCK SET

STEEL SEGMENTED/ POWDERCOATED
STEEL GUIDE RAILS
ELECTRIC MOTOR
ELECTRIC



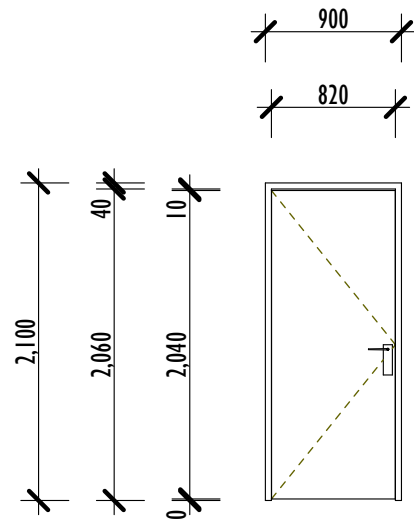
D023: 1 item (029)
DOOR LEAF & FINISH
FRAME & FINISH
HARDWARE
LOCK SET
HINGES
ACCESSORIES
SIGNAGE
NOTES

HOLLOW CORE PAINTED
STEEL SPLIT FRAME PAINTED
PUSH PULL PLATES
NONE
BUTT HINGES
DOOR CLOSER / KICK PLATE
AS1428.1/2009 COMPLIANT WITH BRAILLE
UNDERCUT DOOR



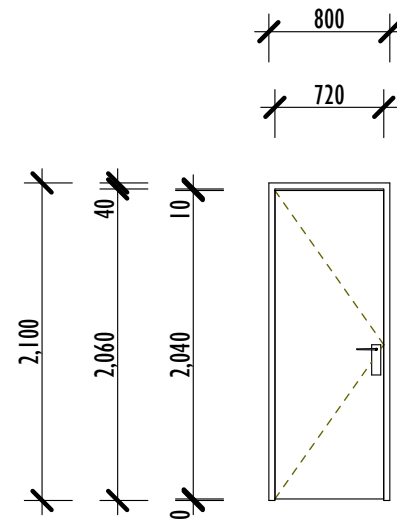
RD02: 1 item (009)
DOOR LEAF & FINISH
FRAME & FINISH
ACCESSORIES
LOCK SET

STEEL SEGMENTED/ POWDERCOATED
STEEL GUIDE RAILS
ELECTRIC MOTOR
ELECTRIC



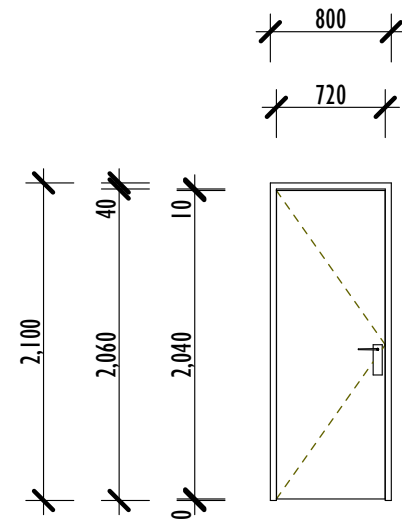
D024: 1 item (030)
DOOR LEAF & FINISH
FRAME & FINISH
HARDWARE
LOCK SET
HINGES
ACCESSORIES
SIGNAGE

HOLLOW CORE PAINTED
STEEL SPLIT FRAME PAINTED
SINGLE ACTION LATCH OPERATED HAND SET
DEAD LOCK
BUTT HINGES
NONE
ROOM NAME



D025: 1 item (024)
DOOR LEAF & FINISH
FRAME & FINISH
HARDWARE
LOCK SET
HINGES
ACCESSORIES
SIGNAGE
NOTES

HOLLOW CORE PAINTED
STEEL SPLIT FRAME PAINTED
PUSH PULL PLATES
INDICATOR LATCH
BUTT HINGES
DOOR CLOSER / KICK PLATE
AS1428.1/2009 COMPLIANT WITH BRAILLE
UNDERCUT DOOR



D026: 1 item (023)
DOOR LEAF & FINISH
FRAME & FINISH
HARDWARE
LOCK SET
HINGES
ACCESSORIES
SIGNAGE
NOTES

HOLLOW CORE PAINTED
STEEL SPLIT FRAME PAINTED
PUSH PULL PLATES
INDICATOR LATCH
BUTT HINGES
DOOR CLOSER / KICK PLATE
AS1428.1/2009 COMPLIANT WITH BRAILLE
UNDERCUT DOOR

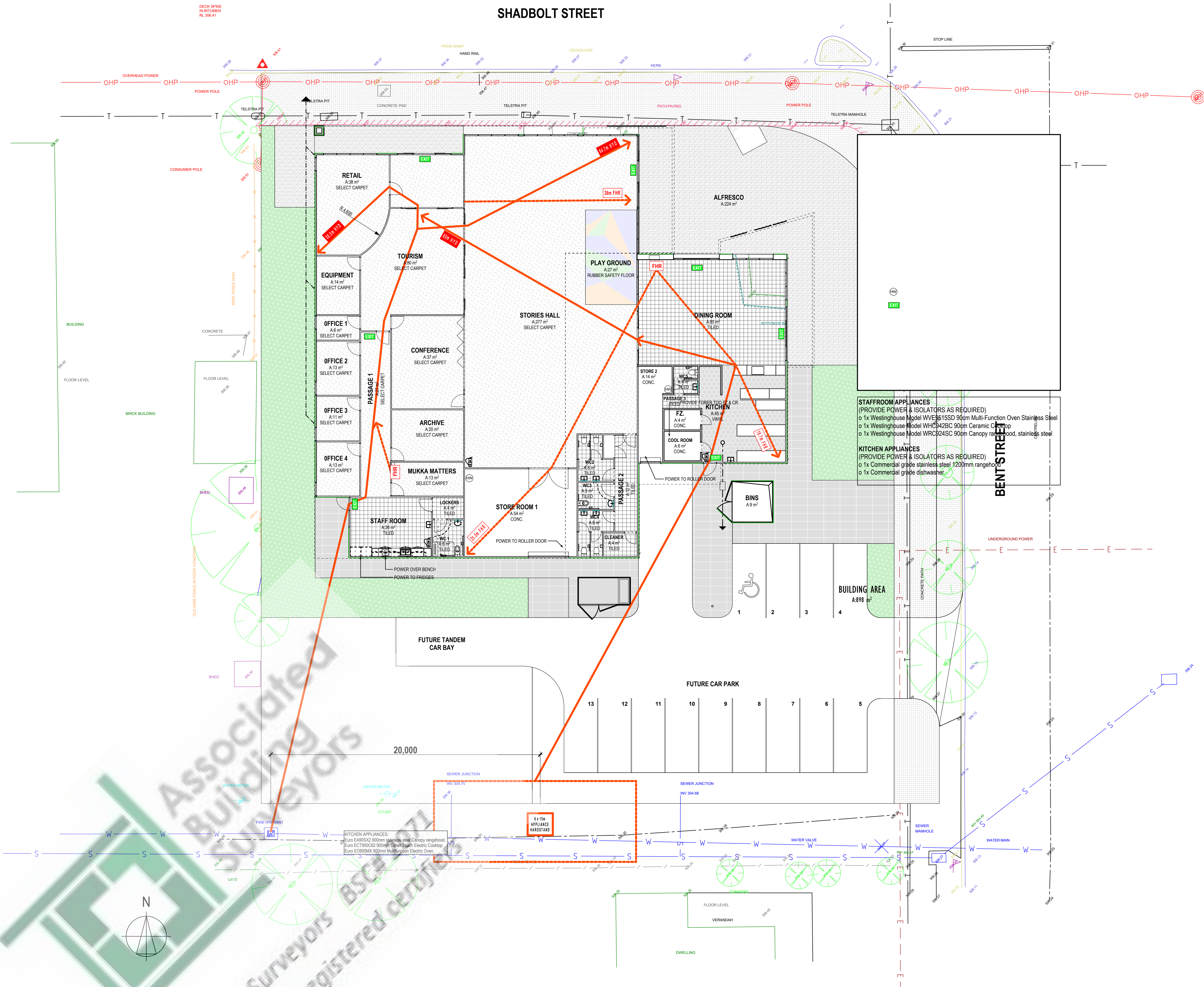
NOTE: ALL FULL GLAZED DOORS
TO HAVE MANIFESTATIONS NOT LESS THAN 20mm HIGH
IN ACC. WITH NOC & AUSTRALIAN STANDARDS

DOOR SCHEDULE
#LayerID Scale 1:50



GENERAL NOTES	REV	ITEM	DATE	REV	ITEM	DATE
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NOTES:
CONSTRUCTION: TYPE C
BUILDING CLASS: 6 & 9b
FLOOR AREA: 898m²
VOLUME: 4,041m³

LEGEND:

- HYDRANT HOSE PATH
- XXm FHD CUMULATIVE DISTANCE FROM FIRE HYDRANT
- STREET HYDRANT
- FIRE HOSE REEL PATH
- XXm FHR CUMULATIVE DISTANCE FROM FIRE HOSE REEL
- FHR FIRE HOSE REEL
- EXIT ILLUMINATED EXIT SIGN

NOTE: HOSE PATHS LENGTHS ROUNDED TO NEXT 100m

0. FIRE PROTECTION COVERAGE PLAN
Scale 1:150

Energy efficiency assessment provided by Ecorate WA
www.ecoratewa.com
0450 370 512
Assessor: Don Fleming
Assessment Date: 14/05/26
Assessment Number: 2463326



DENNEY BUILDING



www.denneydesign.com shane@denney.com.au (+61) 0422 228 775

PROPOSED COMMUNITY CULTURAL HUB

5-7 SHADBOLT STREET
MUKINBUDIN, WESTERN AUSTRALIA

SHIRE OF MUKINBUDIN

AKRON

FIRE PROTECTION COVERAGE PLAN

S.D.
S.D.

- DRAFTING**
- ALL LEVELS, DIMENSIONS, POSITIONS & HEIGHTS TO BE CHECKED & VERIFIED ON SITE BEFORE COMMENCEMENT OF BUILDING WORKS.
 - FIGURED DIMENSIONS ARE TO BE TAKEN, DO NOT SCALE OFF DRAWINGS.
 - ALL ARCHITECTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH SPECIFICATIONS & ALL OTHER RELEVANT ENGINEERING DRAWINGS FROM STRUCTURAL, ELECTRICAL, HYDRAULIC & MECHANICAL.
 - ANY DISCREPANCIES TO BE REPORTED TO THE AUTHOR BEFORE ACTION IS TAKEN.
 - REFER TO STRUCTURAL ENGINEERS DRAWINGS FOR ALL STRUCTURAL WORKS.
 - LARGE SCALE DRAWINGS TO SUPERCEDE SMALL SCALE DRAWINGS.

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CDC

21/04/2026

1:150

582

A 900

3

REV No.

ENERGY EFFICIENCY REPORT

SECTION J DEEMED TO SATISFY COMPLIANCE ASSESSMENT



Ecorate WA

SITE ADDRESS

5-7 Shadbolt Street, Mukinbudin, WA 6479

OWNER

Akron

BUILDER

TBC

JOB NUMBER

2463326

BUILDING CLASS

Class 9b

DESCRIPTION

Community Centre

COMPLIANCE STATUS

NCC 2022 Amendment 1 Compliance Achieved

CERTIFICATION DATE

14/05/2026



ENERGY EFFICIENCY REPORT

SECTION J DEEMED TO SATISFY COMPLIANCE ASSESSMENT



Ecorate WA

Australia - Volume One

LIMITATIONS

This report does not include nor imply any detailed assessment for design, compliance or upgrading for the following

- i. Sections B, C, D, E, F, G and I of the 2022 NCC;
- ii. The structural adequacy or design of the building;
- iii. The inherent derived fire-resistance ratings of any proposed structural elements of the building (unless specifically referred to)
- iv. The design basis and/or operating capabilities of any proposed electrical, mechanical or hydraulic fire protection services.
- v. This report does not include, or imply compliance with:

The National Construction Code - Plumbing Code of Australia Volume 3

The Disability Discrimination Act;

The Premises Standard;

Demolition Standards not referred to by the NCC;

Occupational Health and Safety Act;

STATEMENT OF COMPLIANCE

I / We certify that we are specialists in the relevant discipline and the following design documents comply with the relevant requirements of the National Construction Code (NCC Volume One 2022 as applicable) in relation to thermal performance and the relevant Australian Standards specified in this report.

Assessor Name: Don Fleming

Signature: 

RELEVANT QUALIFICATIONS

Certificate IV in NatHERS Assessment (Certificate Number: 15W390962)

Thermal Performance Assessment (91318 NSW)

Assessor Accrediting Organisation (AAO) Accreditation Number: **VIC/BDAV/13/1639**

info@ecoratewa.com

Ecorate WA Pty Ltd (ABN: 90238414619)

0450 370 512



J1F1 – Energy Efficiency

A building must

1. reduce the energy consumption and energy peak demand of key energy using equipment; and
2. reduce the greenhouse gas emissions that occur as a result of a building's energy consumption and energy source; and
3. for a sole-occupancy unit of a Class 2 building or a Class 4 part of a building, improve occupant health and amenity by mitigating the impact of extreme hot and cold weather events and energy blackouts; and
4. for other than in a sole-occupancy unit of a Class 2 building or a Class 4 part of a building, protect occupant health and amenity by ensuring the building envelope assists in the maintenance of acceptable internal conditions while the building is occupied; and
5. be able to accommodate the future installation of distributed energy resources.

J1P1 – Energy Use

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 the function and use of the building; and the level of human comfort required for the building use; and solar radiation being utilised for heating; and controlled to minimise energy for cooling; and the energy source of the services; and the sealing of the building envelope against air leakage; and for a conditioned space, achieving an hourly regulated energy consumption, averaged over the annual hours of operation, of not more than for a Class 6 building, 80 kJ/m².hr; and for a Class 5, 7b, 8 or 9a building other than a ward area, or a Class 9b school, 43 kJ/m².hr; and for all other building classifications, 15 kJ/m².hr.

J2D1 – Deemed To Satisfy Provisions

Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements J1P1 to J1P4 are satisfied by complying with

1. J2D2; and
2. J3D2 to J3D15; and
3. J4D2 to J4D7; and
4. J5D2 to J5D8; and
5. J6D2 to J6D13; and
6. J7D2 to J7D9; and
7. J8D2 to J8D4; and
8. J9D2 to J9D5.

J2D2 – Application of Section J

For a Class 2 to 9 building, other than a sole-occupancy unit of a Class 2 building or a Class 4 part of a building, Performance Requirement J1P1 is satisfied by complying with Part J4, for the building fabric; and Part J5, for building sealing; and Part J6, for air-conditioning and ventilation; and Part J7, for artificial lighting and power; and Part J8, for heated water supply and swimming pool and spa pool plant; and J9D3, for facilities for energy monitoring. (4) For a Class 2 to 9 building, Performance Requirement J1P4 is satisfied by complying with J9D4 and J9D5.

PART J4D3: THERMAL CONSTRUCTION (GENERAL)

(1) Where required, insulation must comply with AS/NZS 4859.1 and be installed so that it abuts or overlaps adjoining insulation other than at supporting members such as studs, noggings, joists, furring channels and the like where the insulation must be against the member; and forms a continuous barrier with ceilings, walls, bulkheads, floors or the like that inherently contribute to the thermal barrier; and does not affect the safe or effective operation of a service or fitting.

(2) Where required, reflective insulation must be installed with the necessary airspace to achieve the required R-Value between a reflective side of the reflective insulation and a building lining or cladding; and the reflective insulation closely fitted against any penetration, door or window opening; and the reflective insulation adequately supported by framing members; and each adjoining sheet of roll membrane being overlapped not less than 50 mm; or taped together.

(3) Where required, bulk insulation must be installed so that it maintains its position and thickness, other than where it is compressed between cladding and supporting members, water pipes, electrical cabling or the like; and in a ceiling, where there is no bulk insulation or reflective insulation in the wall beneath, it overlaps the wall by not less than 50 mm.

(4) Roof, ceiling, wall and floor materials, and associated surfaces are deemed to have the thermal properties listed in Specification 36.

(5) The required Total R-Value and Total System U-Value, including allowance for thermal bridging, must be calculated in accordance with AS/NZS 4859.2 for a roof or floor; or determined in accordance with Specification 37 for wall-glazing construction; or determined in accordance with Specification 39 or Section 3.5 of CIBSE Guide A for soil or sub-floor spaces.

ENERGY EFFICIENCY REPORT

SECTION J DEEMED TO SATISFY COMPLIANCE ASSESSMENT



Ecorate WA

J4D4: ROOF AND CEILING

A roof or ceiling must achieve a Total R-Value greater than or equal to in climate zones 1, 2, 3, 4 and 5, R3.7 for a downward direction of heat flow; and in climate zone 6, R3.2 for a downward direction of heat flow; and in climate zone 7, R3.7 for an upward direction of heat flow; and in climate zone 8, R4.8 for an upward direction of heat flow. (2) In climate zones 1, 2, 3, 4, 5, 6 and 7, the solar absorptance of the upper surface of a roof must be not more than 0.45.

Construction Type	R Value of construction	Required	Proposed	Complies
Framed Roof	R0.54	R3.16	R3.5	YES

J4D5: ROOF LIGHTS

Roof lights must have a total area of not more than 5% of the floor area of the room or space served; and transparent and translucent elements, including any imperforate ceiling diffuser, with a combined performance of for Total system SHGC, in accordance with Table J4D5; and for Total system U-Value, not more than U3.9. (1) A roof light must be sealed, or capable of being sealed, when serving a conditioned space; or a habitable room in climate zones 4, 5, 6, 7 or 8.

GLASS TYPE	FRAME	U VALUE	SHGC
N/A			

J4D6: WALLS & GLAZING

(1) The Total System U-Value of wall-glazing construction, including wall-glazing construction which wholly or partly forms the envelope internally, must not be greater than for a Class 2 common area, a Class 5, 6, 7, 8 or 9b building or a Class 9a building other than a ward area, U2.0; and for a Class 3 or 9c building or a Class 9a ward area in climate zones 1, 3, 4, 6 or 7, U1.1; or in climate zones 2 or 5, U2.0; or in climate zone 8, U0.9.

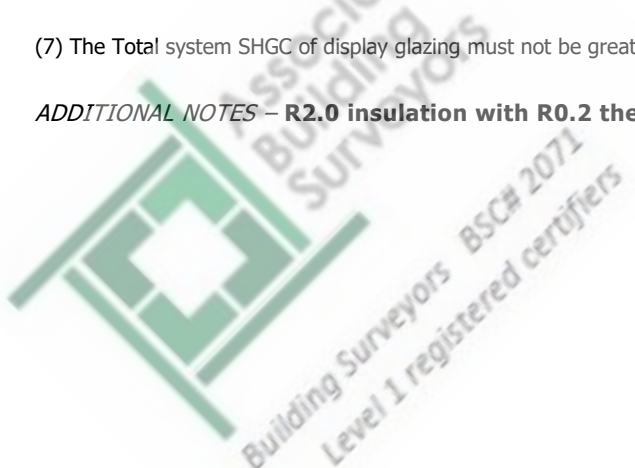
(2) The Total System U-Value of display glazing must not be greater than U5.8. (3) The Total System U-Value of wall-glazing construction must be calculated in accordance with Specification 37. (4) Wall components of a wall-glazing construction must achieve a minimum Total R-Value of where the wall is less than 80% of the area of the wall-glazing construction, R1.0; or where the wall is 80% or more of the area of the wall-glazing construction, the value specified in Table J4D6a.

(5) The solar admittance of externally facing wall-glazing construction, excluding wall-glazing construction which is wholly internal, must not be greater than for a Class 2 common area, a Class 5, 6, 7, 8 or 9b building or a Class 9a building other than a ward area, the values specified in Table J4D6b; and for a Class 3 or 9c building or a Class 9a ward area, the values specified in Table J4D6c.

(6) The solar admittance of a wall-glazing construction must be calculated in accordance with Specification 37.

(7) The Total system SHGC of display glazing must not be greater than 0.81 divided by the applicable shading factor specified in S37C7.

ADDITIONAL NOTES – R2.0 insulation with R0.2 thermal break between the external cladding & steel wall frames.



ENERGY EFFICIENCY REPORT

SECTION J DEEMED TO SATISFY COMPLIANCE ASSESSMENT



Ecorate WA

ABCB		Façade Report		National Construction Code Calculator																																																																																						
Project Summary																																																																																										
Date 14/05/2026		The summary below provides an overview of where compliance has been achieved for Specification S37 - Calculation of U-Value and solar admittance - Method 1 (Single Aspect) and Method 2 (Multiple Aspects).																																																																																								
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Company Ecorate WA																																																																																										
Position Energy Assessor																																																																																										
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Climate Zone Climate Zone 4 - Hot dry summer, cool winter																																																																																										
Building Classification Class 9b - public halls, function rooms or the like																																																																																										
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ENERGY EFFICIENCY REPORT

SECTION J DEEMED TO SATISFY COMPLIANCE ASSESSMENT



Ecorate WA

J4D7: FLOORS

(1) A floor must achieve the Total R-Value specified in Table J4D7. (2) For the purposes of (1), a slab-on-ground that does not have an in-slab heating or cooling system is considered to achieve a Total R-Value of R2.0, except in climate zone 8; or a Class 3, Class 9a ward area or Class 9b building in climate zone 7 that has a floor area to floor perimeter ratio of less than or equal to 2. (3) A floor must be insulated around the vertical edge of its perimeter with insulation having an R-Value greater than or equal to 1.0 when the floor is a concrete slab-on-ground in climate zone 8; or has an in-slab or in-screed heating or cooling system, except where used solely in a bathroom, the Total R-Value of a floor, the sub-floor and soil

Construction Type	R Value of construction	Required	Proposed	Complies
Concrete Slab	R2.0	Nil	Nil	YES

PART J5: BUILDING SEALING

A door, openable window or the like must be sealed when forming part of the envelope; or in climate zones 4, 5, 6, 7 or 8. The requirements of (1) do not apply to a window complying with AS 2047; or a fire door or smoke door; or a roller shutter door, roller shutter grille or other security door or device installed only for out-of-hours security. A loading dock entrance, if leading to a conditioned space, must be fitted with a rapid roller door or the like. Does not apply to ventilation openings for gas appliances, buildings where the only means of air-conditioning is by an evaporative cooler or unconditioned atriums or solariums that are separated from the remainder of the building. If the only means of air-conditioning is by an evaporative cooling system, this building will not be required to be sealed. All chimneys, flues and exhaust fans (where applicable) are fitted with dampers & all windows and doors are fitted with air infiltration seals. If the main entrance to the building opens into a conditioned space more than 50m², it will be fitted with a self-closing door or will be provided with an airlock. All roofs, walls and floors will be constructed to minimise air leakage in accordance with J5D2

PART J6: AIR-CONDITIONING AND VENTILATION SYSTEMS

All air-conditioning and ventilating systems and components will be designed in accordance with the DTS requirements of Part J6 and a declaration check sheet or a report will be submitted by the mechanical services designer verifying compliance. This part does not apply to Class 8 electricity network substations.

PART J7 ARTIFICIAL LIGHTING AND POWER

All artificial lighting for the whole building must not exceed the aggregated maximum Illumination Power Density (IPD) specified in Table J7D3a. The NCC total illumination power load allowance is **7854 Watts** and the proposed lighting design is **7539 Watts**. Therefore compliance is achieved (see Appendix)

ENERGY EFFICIENCY REPORT

SECTION J DEEMED TO SATISFY COMPLIANCE ASSESSMENT



Ecorate WA

Non-residential Lighting

Calculator

Building name/description
5-7 Shadbolt Street, Mukinbudin, WA 6479

Classification
Class 9b

Number of rows preferred in table below
28

(as currently displayed)

ID	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 turnaround	Adjustment factor 2	Dimming % area	Illuminance turnaround	Light colour adjustment factor 1	Light colour adjustment factor 2
1	Retail	37.4 m ²	22 m	2.7 m	720 W	Retail space including a museum and gallery whose purpose is the sale of objects									737 W	10% of 96%
2	Entrance	21.2 m ²	19 m	2.7 m	288 W	Entry lobby from outside the building									297 W	4% of 96%
3	Equipment	13.7 m ²	15 m	2.7 m	30 W	Storage									34 W	0% of 96%
4	Tourism	57.4 m ²	29 m	2.7 m	1040 W	Retail space including a museum and gallery whose purpose is the sale of objects									1085 W	14% of 96%
5	Office 1	5.7 m ²	10 m	2.7 m	36 W	Office - artificially lit to an ambient level of 200 lx or more									46 W	0% of 96%
6	Office 2	12.5 m ²	14 m	2.7 m	72 W	Office - artificially lit to an ambient level of 200 lx or more									92 W	1% of 96%
7	Office 3	18.5 m ²	13 m	2.7 m	72 W	Office - artificially lit to an ambient level of 200 lx or more									79 W	1% of 96%
8	Office 4	12.7 m ²	14 m	2.7 m	72 W	Office - artificially lit to an ambient level of 200 lx or more									93 W	1% of 96%
9	Conference	38.5 m ²	34 m	2.7 m	252 W	Board room and conference room									265 W	3% of 96%
10	Archive	20.9 m ²	18 m	2.7 m	36 W	Storage									47 W	0% of 96%
11	Mukka Matters	13.2 m ²	16 m	2.7 m	36 W	An illuminance more than 150 lx to 240 lx									67 W	0% of 96%
12	Staff Rooms	26.6 m ²	21 m	2.7 m	108 W	Toilet, locker room, staff room, rest room and the like									121 W	1% of 96%
13	Lockers	3.6 m ²	8 m	2.7 m	20 W	Toilet, locker room, staff room, rest room and the like									20 W	0% of 96%
14	WC 1	6.2 m ²	10 m	2.7 m	30 W	Toilet, locker room, staff room, rest room and the like									33 W	0% of 96%
15	Store Room 1	53.8 m ²	29 m	2.7 m	108 W	Storage									111 W	1% of 96%
16	Cleaner	4.3 m ²	8 m	2.7 m	10 W	Service area, cleaner's room and the like									11 W	0% of 96%
17	WC 4	7.4 m ²	12 m	2.7 m	36 W	Toilet, locker room, staff room, rest room and the like									38 W	0% of 96%
18	WC 3	5.3 m ²	9 m	2.7 m	25 W	Toilet, locker room, staff room, rest room and the like									28 W	0% of 96%
19	WC 2	7.6 m ²	12 m	2.7 m	36 W	Toilet, locker room, staff room, rest room and the like									40 W	0% of 96%
20	Storage	1.3 m ²	6 m	2.7 m	4 W	Storage									4 W	0% of 96%
21	Store 2	14.0 m ²	22 m	2.7 m	36 W	Toilet, locker room, staff room, rest room and the like									38 W	0% of 96%
22	WC 5	3.5 m ²	8 m	2.7 m	20 W	Toilet, locker room, staff room, rest room and the like									20 W	0% of 96%
23	Kitchen	44.1 m ²	27 m	2.7 m	216 W	Kitchen and food preparation area									251 W	3% of 96%
24	Dining	85.2 m ²	37 m	2.7 m	1612 W	Restaurant, cafe, bar, roller lounge and a space for the serving and consumption of food or drink									1529 W	20% of 96%
25	Passage 3	2.8 m ²	7 m	2.7 m	20 W	Corridors									24 W	0% of 96%
26	Passage 2	11.8 m ²	16 m	2.7 m	72 W	Corridors									103 W	1% of 96%
27	Passage 1	26.5 m ²	28 m	2.7 m	160 W	Corridors									215 W	2% of 96%
28	Stores Hall	354.0 m ²	74 m	2.7 m	2412 W	Auditorium, church and public hall									2432 W	32% of 96%
Total							7539 W								7854 W	

If inputs are valid

IMPORTANT NOTICE AND DISCLAIMER IN RESPECT OF THIS LIGHTING CALCULATOR

By accessing or using this calculator, you agree to the following: Whilst care has been taken in the preparation of this calculator, it may not be complete or up-to-date. You can ensure that you are using a complete and up-to-date version by checking the Australian Building Codes Board website <https://www.abcb.gov.au>. The Australian Building Codes Board, the Commonwealth of Australia and States and Territories of Australia do not accept any liability, including liability for negligence, for any loss (howsoever caused), damage, injury, expense or cost incurred by any person due to the use of this calculator, arising out of the use of the calculator. In the maximum extent permitted by law, the calculator is provided as is, without warranty, express, implied, or otherwise, in relation to the accuracy, reliability, merchantability, fitness for any purpose or completeness of the publication or any information appearing in any linked website, or in other third-party sources, and all such representations and warranties are excluded to the extent permitted by law. This calculator is not legal or professional advice. You are only using this calculator at your own risk and must take responsibility for ensuring the relevance and accuracy of the information in order to their particular circumstances.

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0450 370 512



J7D4: INTERIOR ARTIFICIAL LIGHTING AND POWER CONTROL

The artificial lighting must be operated by a switch or other control device. A switch must be in a visible position in the room or space being switched or in an adjacent room or space from where the lighting being switched is visible. The above do not apply to emergency lighting in accordance with Part E4.

J7D5: INTERIOR DECORATIVE AND DISPLAY LIGHTING

Any new interior decorative and display lighting must be controlled separately from other artificial lighting and by a manual switch for each area other than when the operating times of the displays are the same in a number of areas in which case they may be combined. Where the display lighting exceeds 1kW a time switch in accordance with Specification 40 is required.

J7D6: EXTERIOR ARTIFICIAL LIGHTING

Any new artificial lighting around the perimeter of the building must be controlled by a daylight sensor or a programmable time switch. When the perimeter lighting load exceeds 100W, the light source efficacy must not be less than 60 Lumens/W. The perimeter lighting used for decorative purposes such as facade and signage lighting must have a separate time switch in accordance with Specification 40. Such a time switch must be capable of switching on and off electric power at variable pre-programmed times and on variable pre-programmed days. It must also be capable of limiting the period the system is switched on to between 30 minutes before sunset and 30 minutes after sunrise is determined or detected including any pre-programmed period between these times; and being overridden by a manual switch or a security access system for a period of up to 30 minutes, after which the time switch must resume control.

J7D7: BOILING WATER AND CHILLED WATER STORAGE UNITS

Power supply to a boiling water or chilled water storage unit must be controlled by a time switch in accordance with Specification 40.

J7D8: LIFTS

Lifts must be configured to ensure artificial lighting and ventilation in the car are turned off when it is unused for 15 minutes and achieve the idle and standby energy performance level in Table J7D8a and achieve the energy efficiency class in Table J7D8a or if a dedicated goods lift, energy efficiency class D in accordance with ISO 25745-2.

PART J7D9: ESCALATORS AND MOVING WALKWAYS

Escalators and moving walkways must have the ability to slow to between 0.2 m/s and 0.05 m/s when unused for more than 15 minutes.