

St. TERESA'S SCHOOL BLOCK A TOILET ALTERATIONS

63 Bell Street
Featherston

for
Archdiocese of Wellington

DRAWINGS

Page No	Description	Scale
Page 1	Existing Site Plan	1:500
Page 2	Existing Floor Plan	as shown
Page 3	Proposed Floor Plan	1:50
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Page 16	Lintel Fixing Details	N.T.S.

NOTES:

Drawings to be read in conjunction with attached Vishnu Fire Safety Design Report.

Initial Issue Date
15-05-2017

Drawing Revision Date
09-06-2017

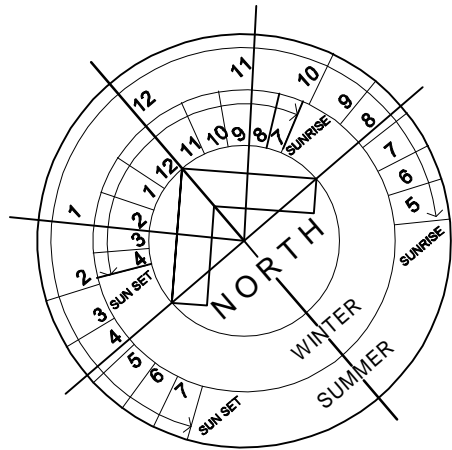
Pricing/Building
Consent
Drawings



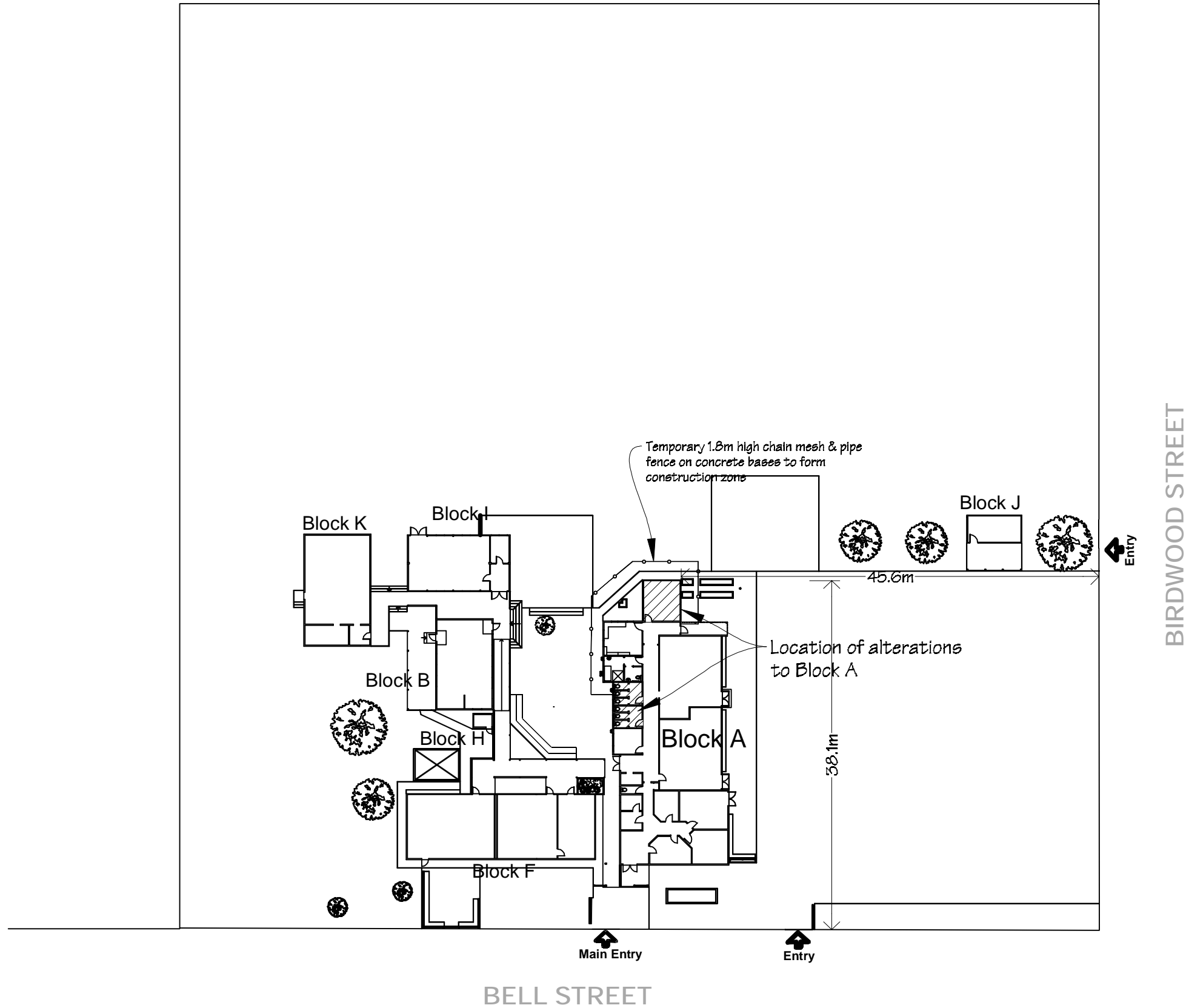
IR Group Ltd

Design - Project Management - Planning

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LEGAL INFORMATION
Lot 1
DP52326
ADDRESS
63 Bell Street
Featherston
SITE INFORMATION
Exposure Zone B.
Earthquake Zone 3.
Wind Zone - Very High



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St. Teresa's School
63 Bell Street
Featherston

Block A
Toilet Alterations

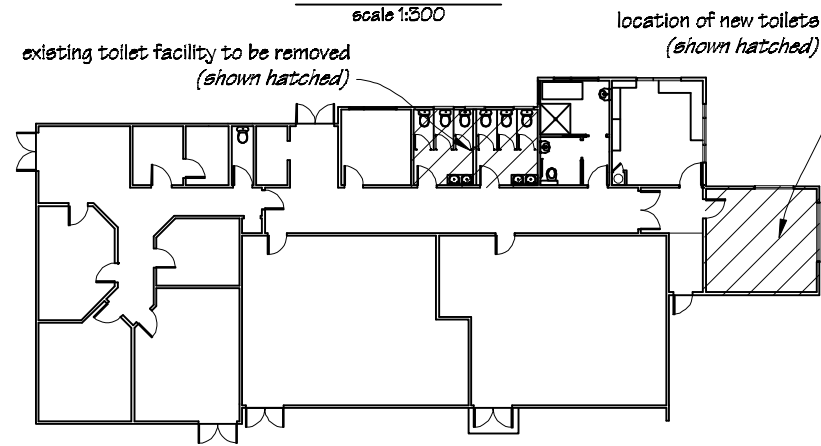
Site Plan

Revisions	No	Date	Description
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Scale	1:500
Date	15/05/17
Original sheet size	A3
Drawn	S.T.
Sheet No	1 of 16
Dwg Ref	1

Pricing/Building Consent
Drawings

*Do not scale from drawings.
Check all dimensions on site.*



Architectural floor plan showing renovation work. The plan includes the following areas and annotations:

- classroom**: A large room at the bottom left.
- corridor**: A central hallway connecting the classroom to the toilet areas.
- toilets**: Two sets of toilet stalls, each with six stalls. Annotations include:
 - Remove toilet pans & cisterns, hand basins, partitions & doors, and floor coverings in toilet areas, (shown hatched).
 - Allow to disconnect services & cap below floor level for demolition.
 - Remove door (indicated by a dashed line).
 - Remove section of wall (shown hatched).
 - Keep hand basin for reuse (indicated by a solid line).
 - Existing door to be relocated (indicated by a dashed line).
- accessible bathroom (no new work)**: A room adjacent to the toilets.
- accessible toilet (no new work)**: A single toilet room adjacent to the accessible bathroom.
- resource room 2**: A room adjacent to the accessible toilet.
- resource room 1**: A room at the bottom right. Annotations include:
 - Allow to remove all fixtures and fittings, floor coverings and wall linings throughout resource room 1. Disconnect services to allow for demolition.
 - Remove door (indicated by a dashed line).
 - Remove window (indicated by a dashed line).
 - Remove existing vertical metal cladding to allow for new timber bevel back weatherboards (shown dotted).
- ramp**: A ramp connecting the classroom to resource room 1.
- existing paving**: Paved area outside resource room 1.
- remove vegetation & seating to allow for new concrete paving**: Area outside resource room 1.

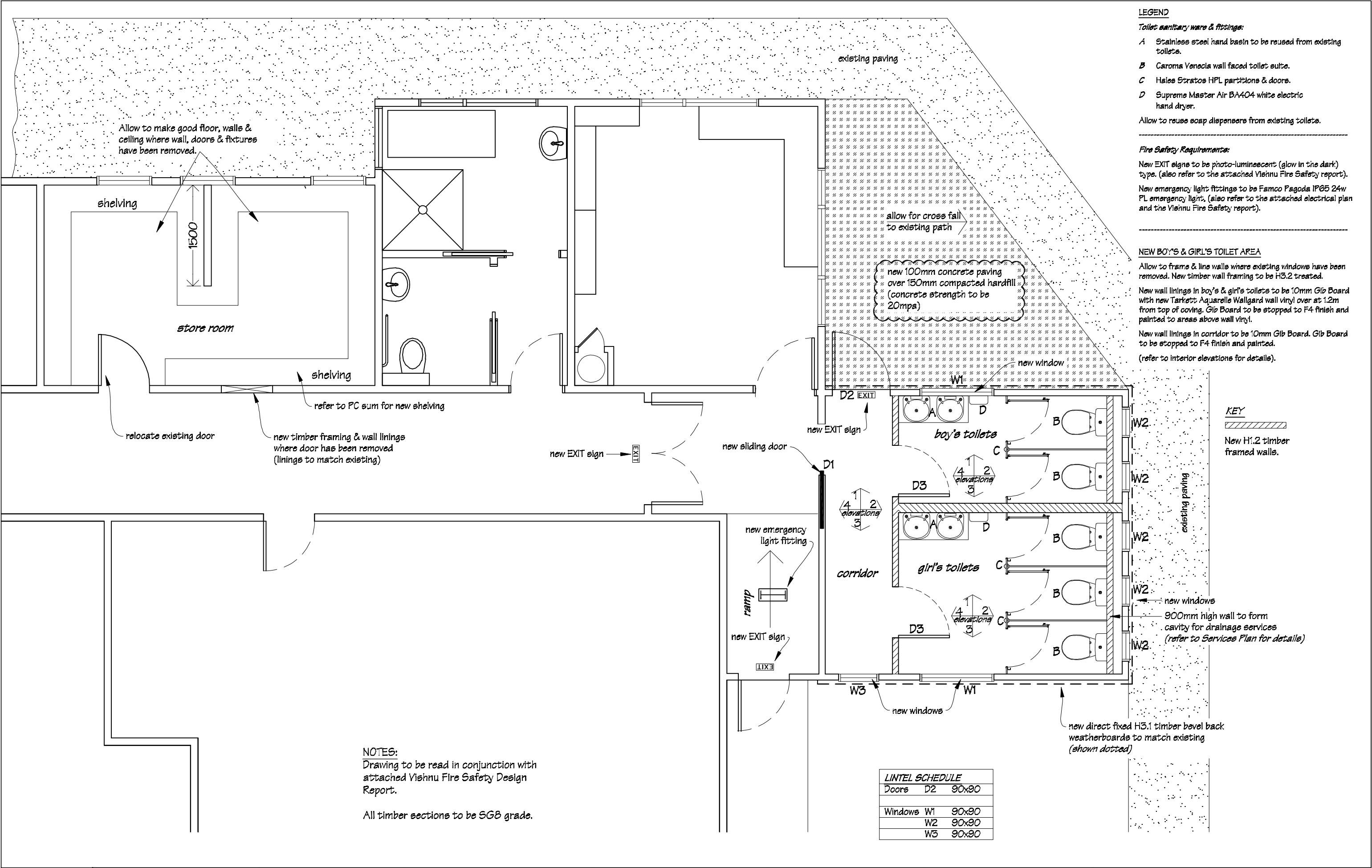


PROJECT	Block A Toilet Alterations
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REVISIONS		
No	Date	Description

Scale	as shown
Date	15/05/17
Original sheet size	A3
Drawn	S. T.
Sheet No	2 of 16
Dwg Ref	2

Pricing/Building Consent Drawings



LEGEND

Toilet sanitary ware & fittings:

- A Stainless steel hand basin to be reused from existing toilets.
- B Caroma Venecia wall faced toilet suite.
- C Hales Stratos HPL partitions & doors.
- D Supreme Master Air BA404 white electric hand dryer.

Allow to reuse soap dispensers from existing toilets.

Fire Safety Requirements:

New EXIT signs to be photo-luminescent (glow in the dark) type. (also refer to the attached Vishnu Fire Safety report).

New emergency light fittings to be Famco Pagoda IP65 24w PL emergency light. (also refer to the attached electrical plan and the Vishnu Fire Safety report).

NEW BOYS & GIRLS TOILET AREA

Allow to frame & line walls where existing windows have been removed. New timber wall framing to be H3.2 treated.

New wall linings in boy's & girl's toilets to be 10mm Gib Board with new Tarkett Aquarelle Wallgard wall vinyl over at 1.2m from top of coving. Gib Board to be stopped to F4 finish and painted to areas above wall vinyl.

New wall linings in corridor to be 10mm Gib Board. Gib Board to be stopped to F4 finish and painted.

(refer to interior elevations for details).

KEY

New H1.2 timber framed walls.

NOTES:
Drawing to be read in conjunction with attached Vishnu Fire Safety Design Report.

All timber sections to be SGB grade.

LINTEL SCHEDULE		
Doors	D2	90x90
Windows	W1	90x90
	W2	90x90
	W3	90x90



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St. Teresa's School
63 Bell Street
Featherston

Block A Toilet Alterations

Proposed Floor Plan

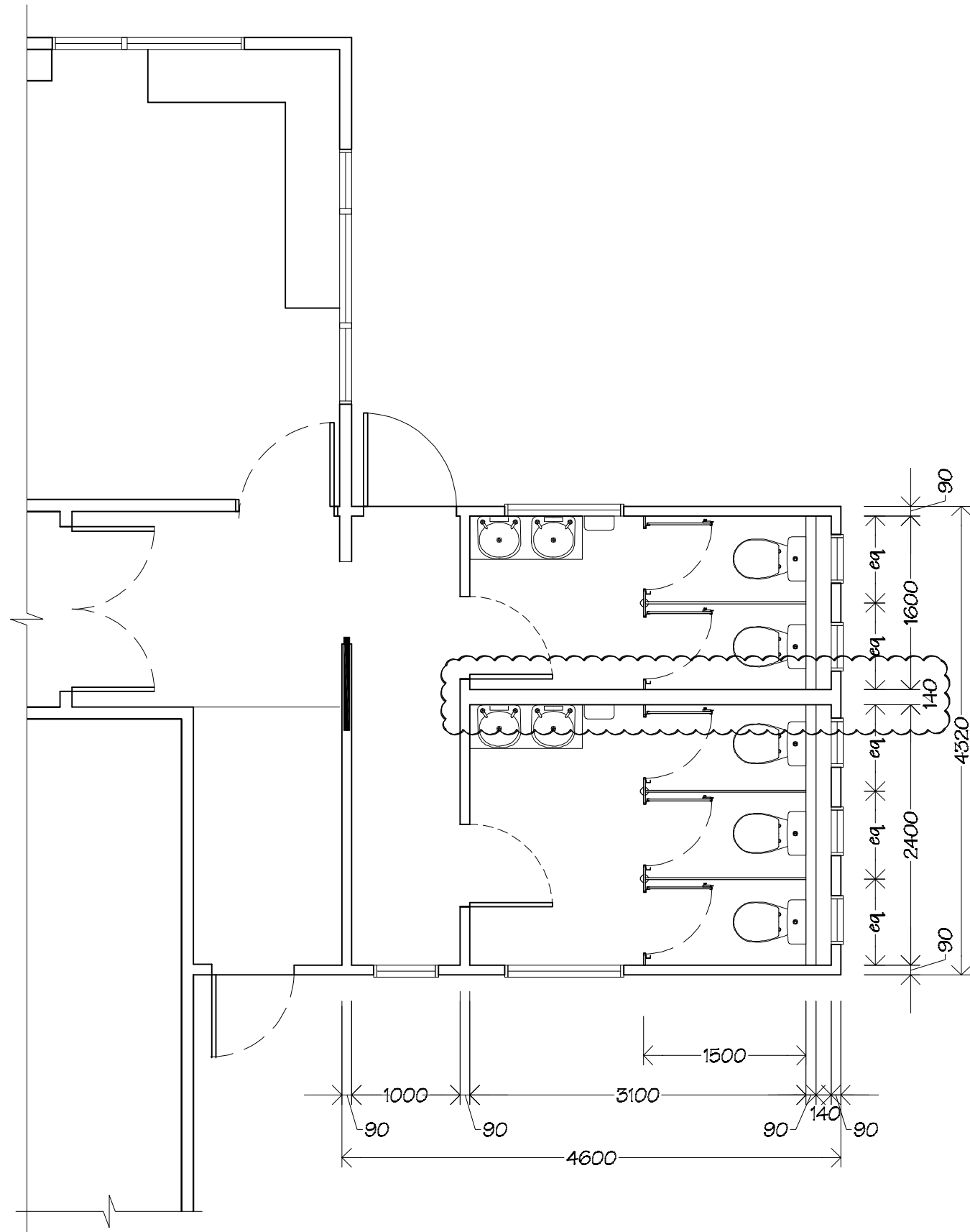
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2-Wall framing between toilet areas increased to 140x45 to allow to run wastes.

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Original sheet size	A3
Drawn	S.T.
Sheet No	3 of 16
Dwg Ref	3

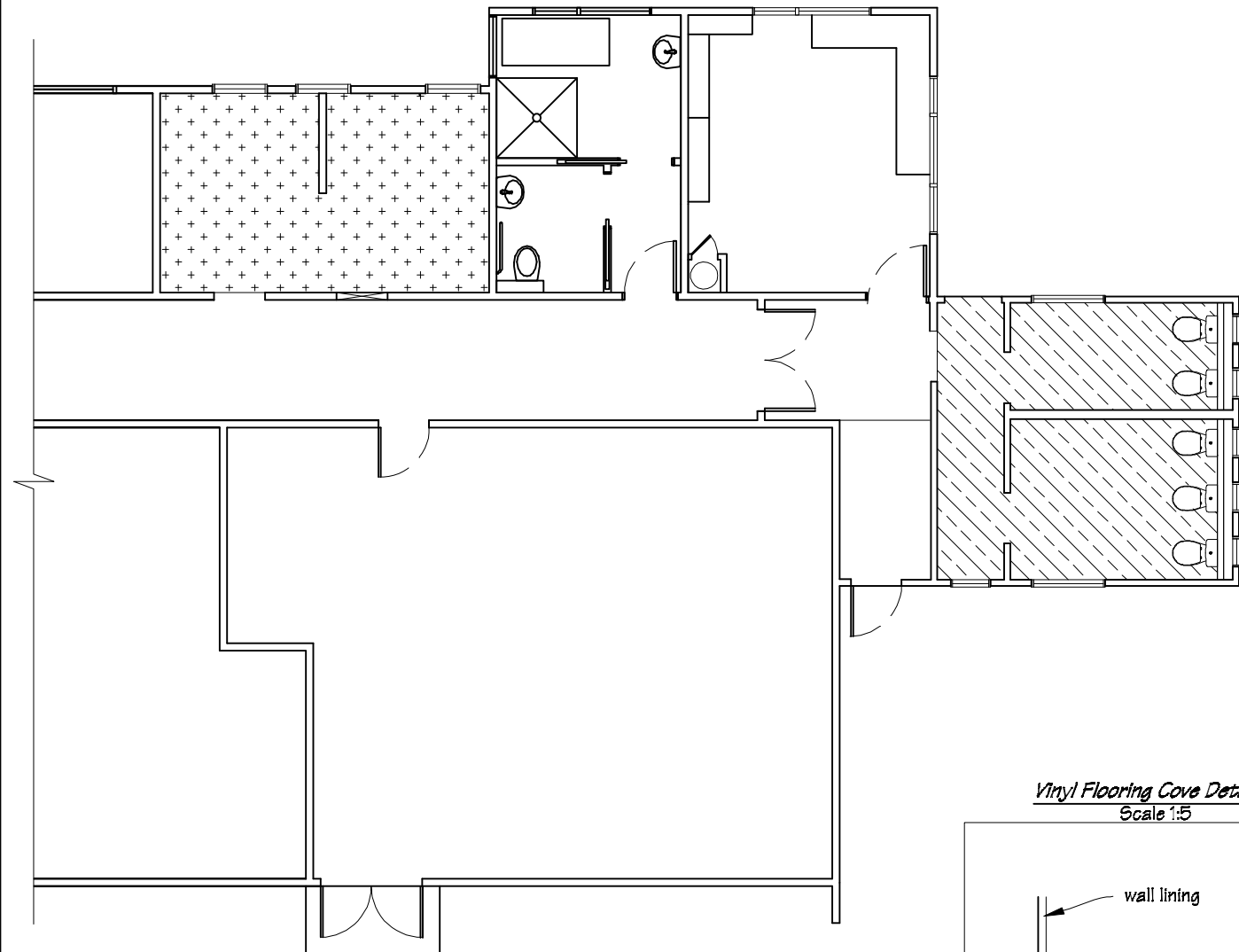
Pricing/Building Consent
Drawings

Do not scale from drawings.
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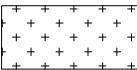
Dimension Plan
scale 1:50



Floor Coverings Plan
scale 1:100

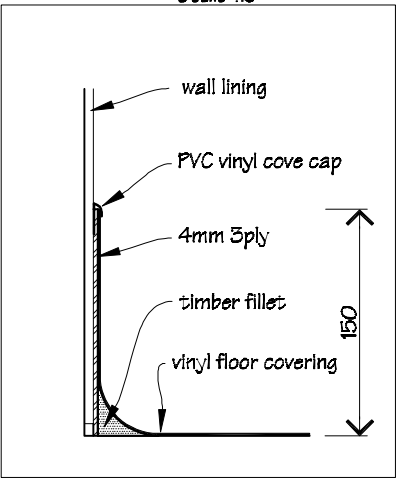



Floor Coverings Key

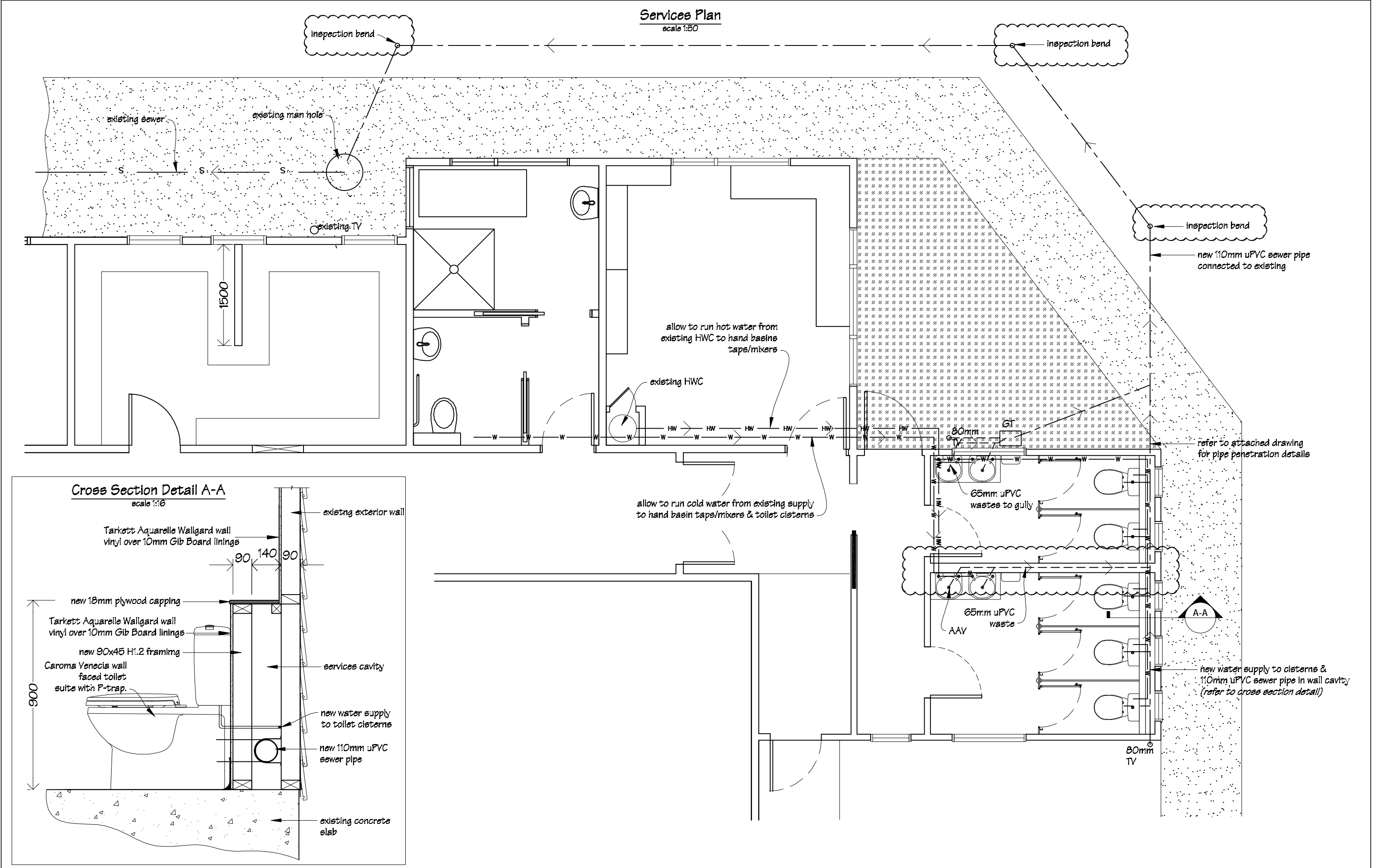
 New Autex Avondale carpet.


 New Tarkett Granit vinyl flooring, coved to 150mm

Vinyl Flooring Cove Detail
Scale 1:5

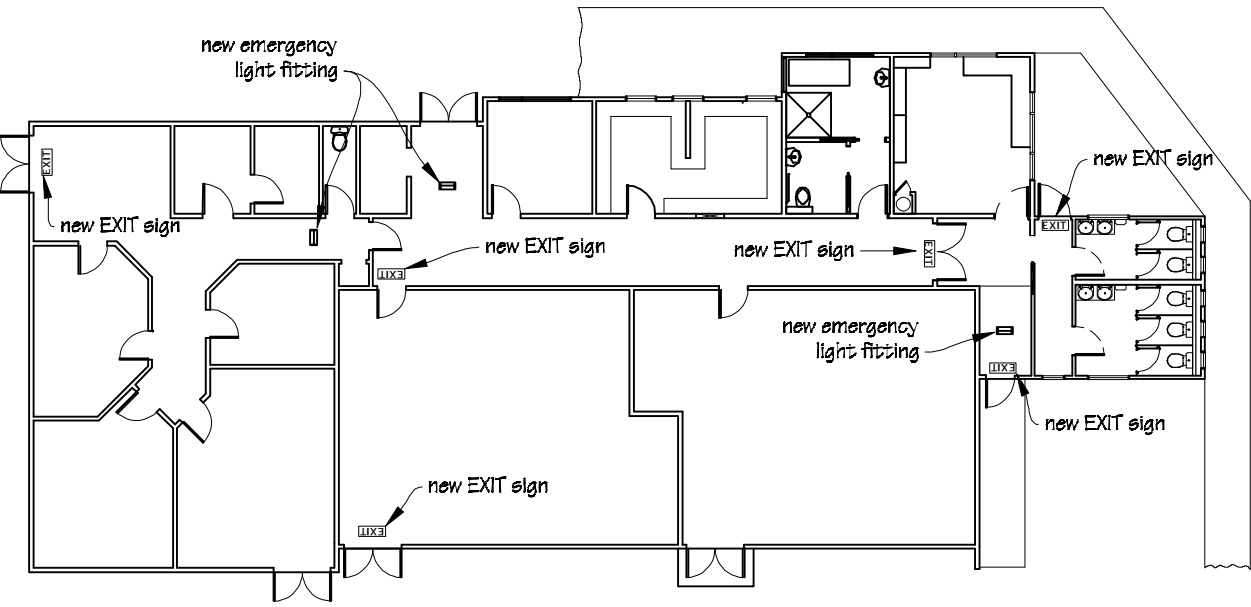


 IR Group Ltd <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711 Mobile- Ian 021-427.347 Mobile- Stephen 027-3355889 Email- ian@irgroup.co.nz steve@irgroup.co.nz Web- www.irgroup.co.nz	St. Teresa's School 63 Bell Street Featherston	PROJECT Block A Toilet Alterations	DRAWING TITLE Dimension & Floor Coverings Plans	REVISIONS <table><tr><th>No</th><th>Date</th><th>Description</th></tr><tr><td>1</td><td>8.8.17</td><td>Wall framing between toilet areas increased to 140x45 to allow to run waster.</td></tr></table>	No	Date	Description	1	8.8.17	Wall framing between toilet areas increased to 140x45 to allow to run waster.	Scale Date Original sheet size Drawn Sheet No Dwg Ref	as shown 15/05/17 A3 S. T. 4 of 16 4	Pricing/Building Consent Drawings <i>Do not scale from drawings. Check all dimensions on site.</i>
	No	Date	Description											
1	8.8.17	Wall framing between toilet areas increased to 140x45 to allow to run waster.												



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	No Date Description				Date 15/05/17		
	1 9.6.17 1-Wall framing between toilet areas increased to 140x45 to allow to run wastes. 2-Inspection bends indicated.				Original sheet size A3		
					Drawn S.T.		
	Sheet No 5 of 16						
	Dwg Ref 5						

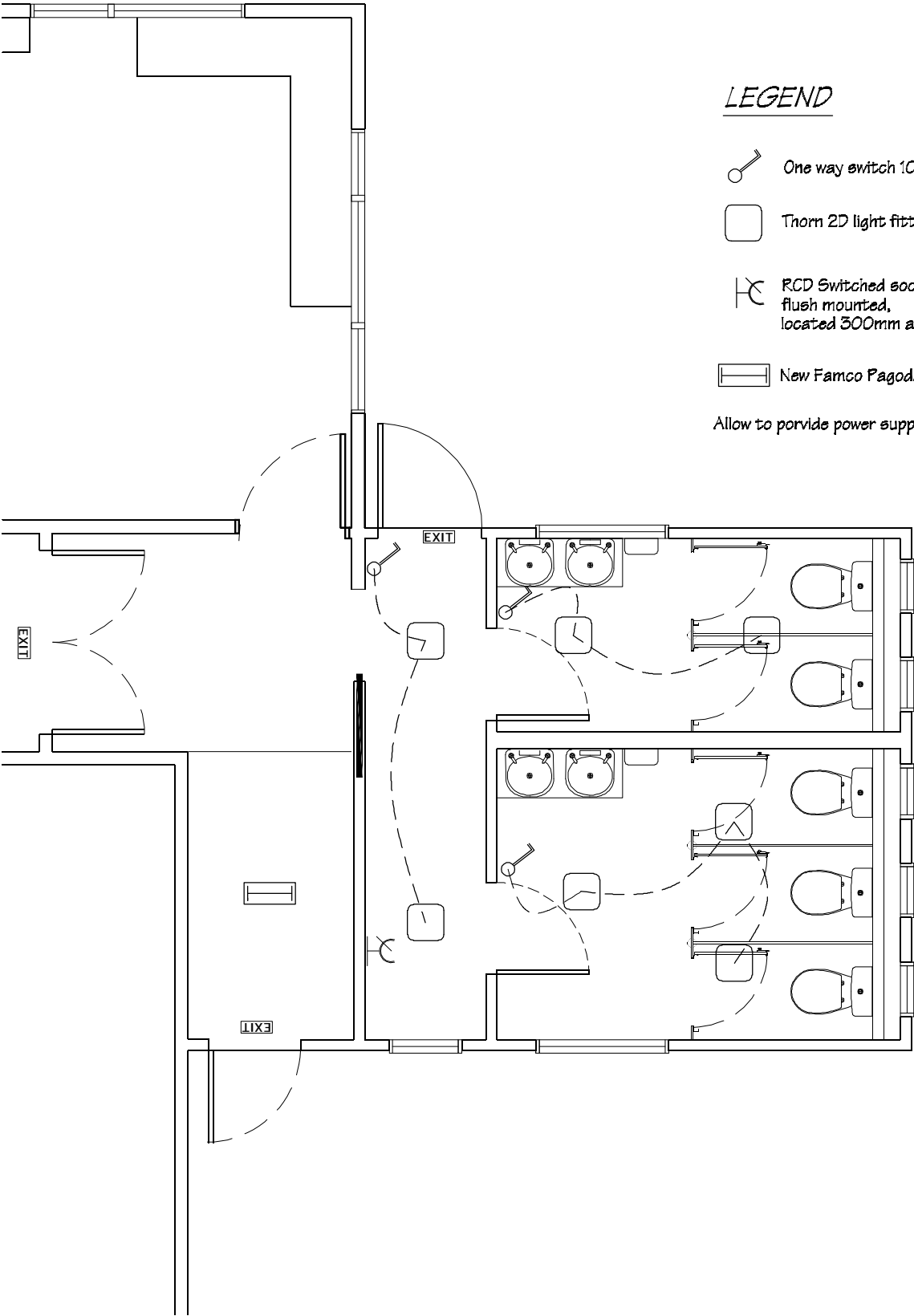
Block A
Overall Exit Sign & Emergency Lighting Plan
scale 1:200



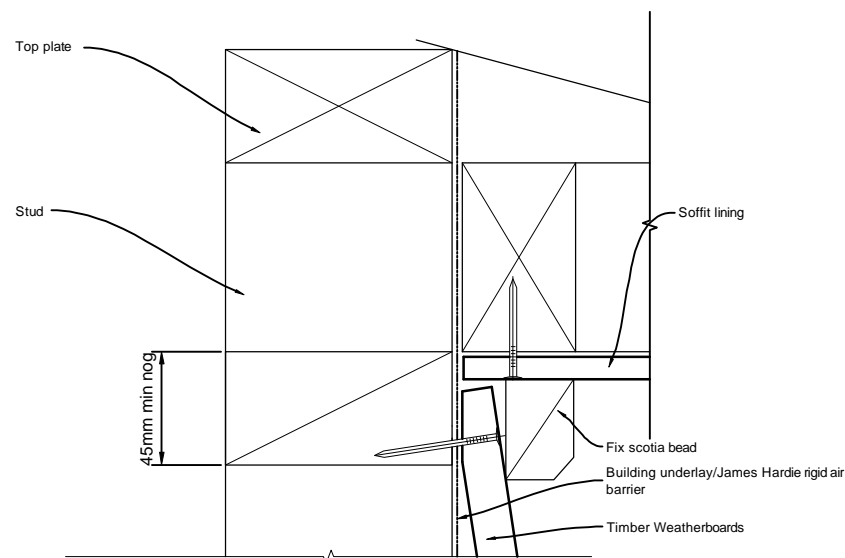
NOTES
New exit signs to be photo-luminescent type.
New emergency lights to be Famco Pagoda IP65 24w PL .

Drawing to be read in conjunction with attached Vishnu
Fire Safety Design Report.

New Toilets
Electrical Plan
scale 1:50



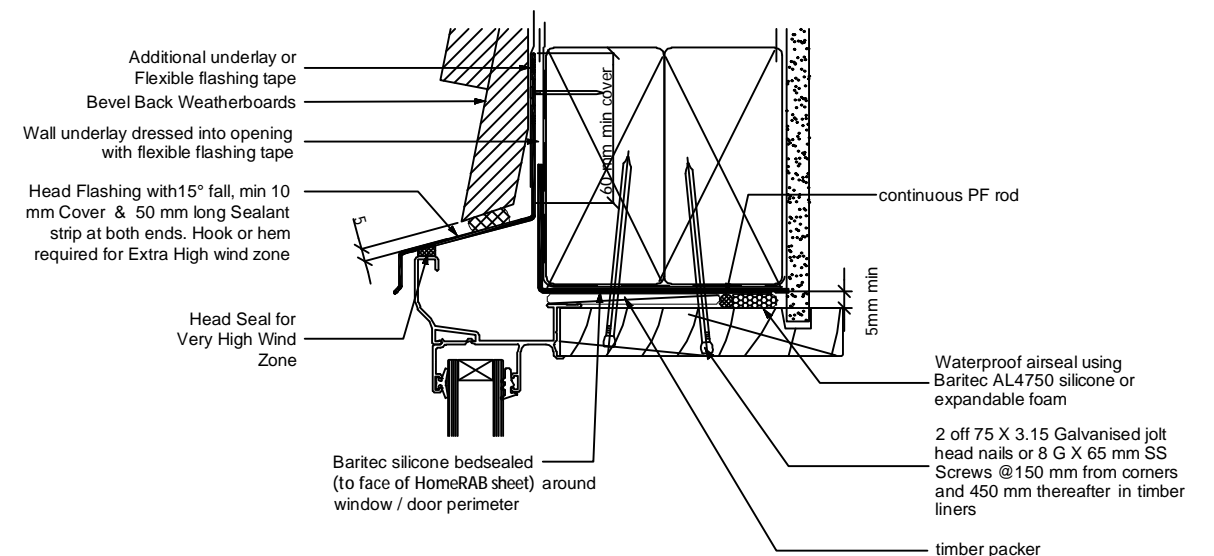
- LEGEND**
- One way switch 10A flush mounted
 - Thorn 2D light fitting
 - RCD Switched socket outlet 10A single flush mounted, located 300mm above FFL.
 - New Famco Pagoda IP65 24w PL emergency light.
- Allow to provide power supply to new hand dryers.



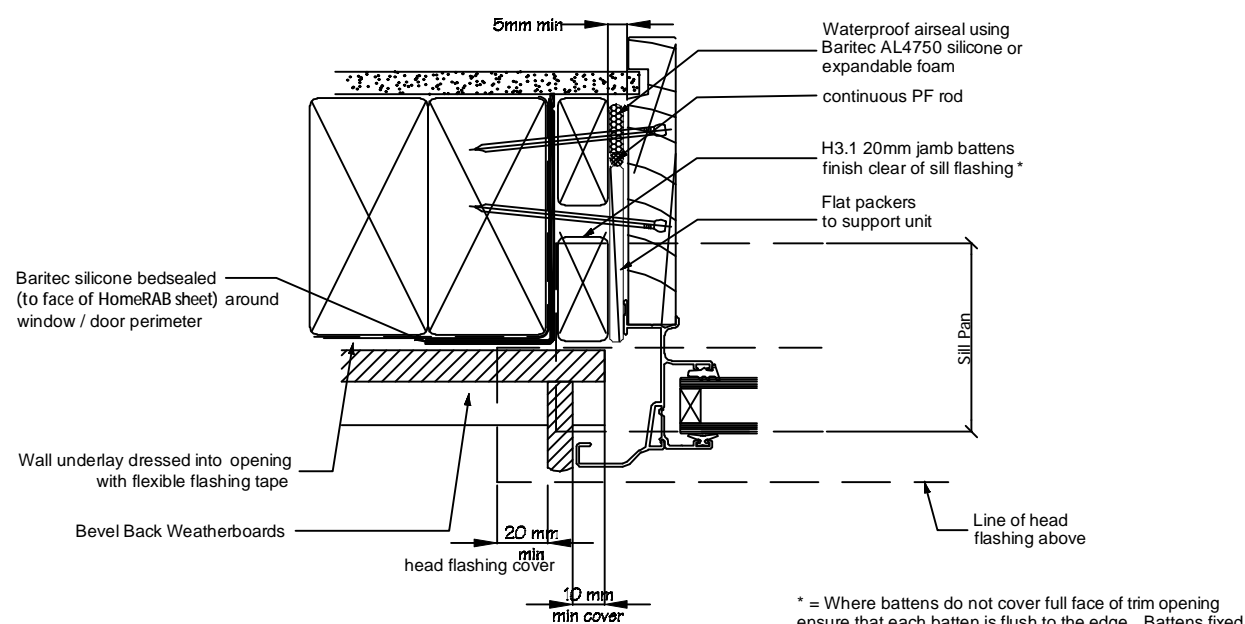
SOFFIT DETAIL

NOTES:

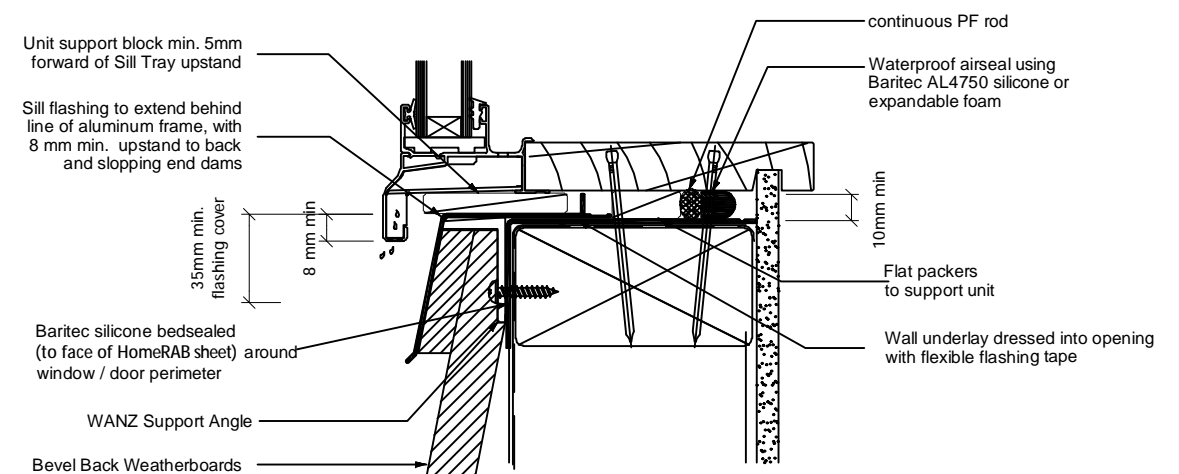
- Allow to lift existing cladding to fit flashing tape & flashings etc.
- BARITEC EX-90R window flashing to be installed in accordance with manufacture's instructions.
- Flashing tape to be Thermakraft Aluband.
- PEF air seal backing rod to be Thermakraft Window-Worm.
- MS sealant to be ADOS MS Adhesive Sealant.
- Measure all openings on site before ordering fabrication of new aluminium joinery. Allow for a minimum of a 10mm gap between new/existing timber framing and liners.
- Air seals to all joinery are to comprise of: Thermakraft Window-Worm PEF air seal backing rod with Baritec AL4750 silicone or expandable foam sealant.
- Flexible flashing tape to be Thermakraft Aluband.




HEAD DETAIL

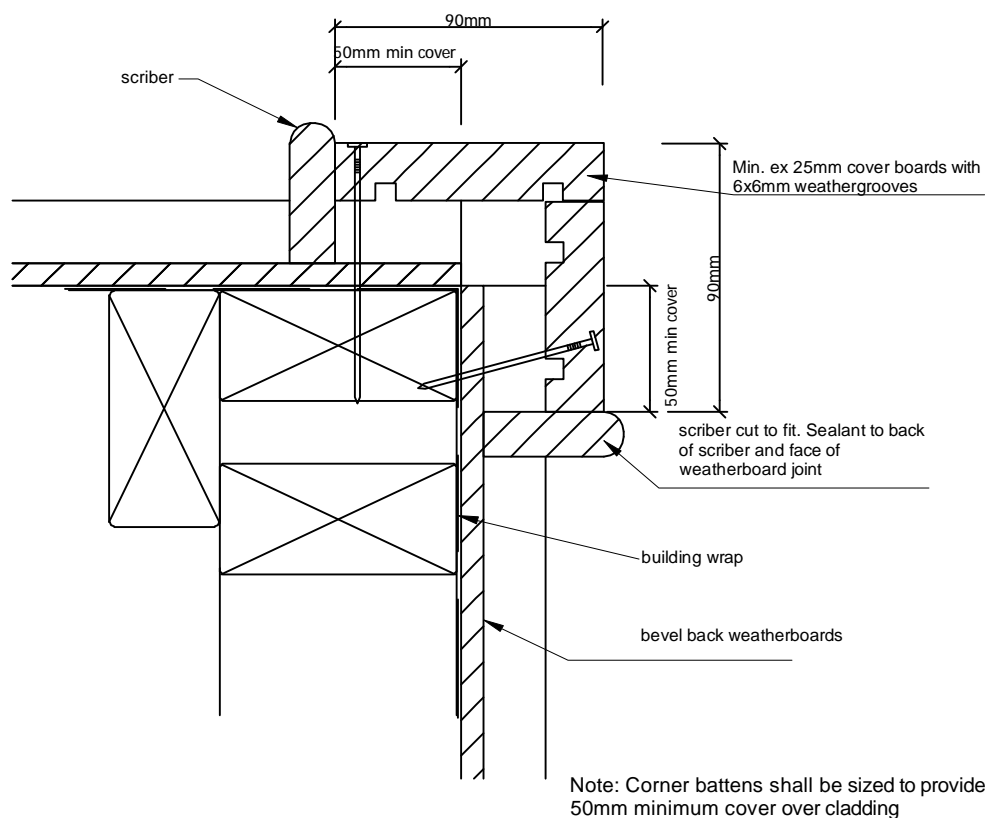


JAMB DETAIL

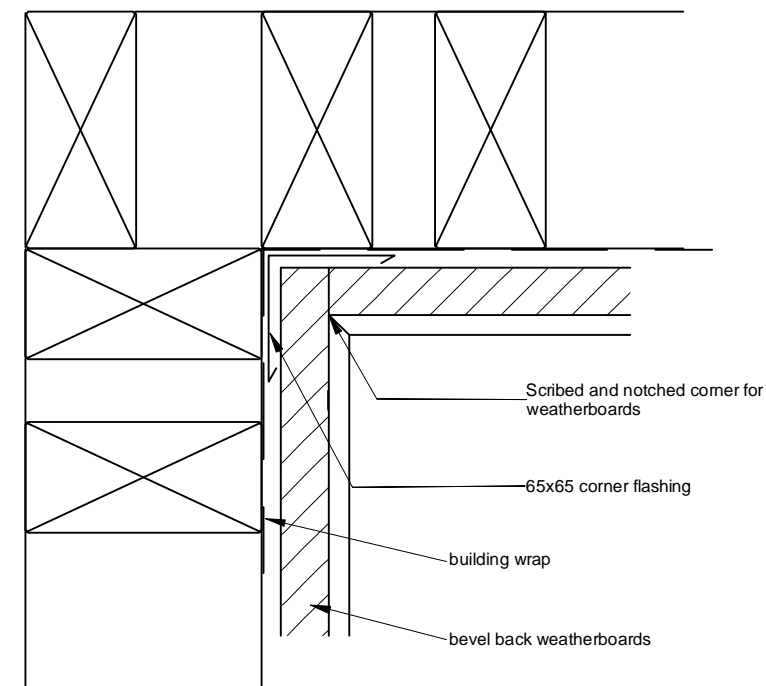


SILL DETAIL

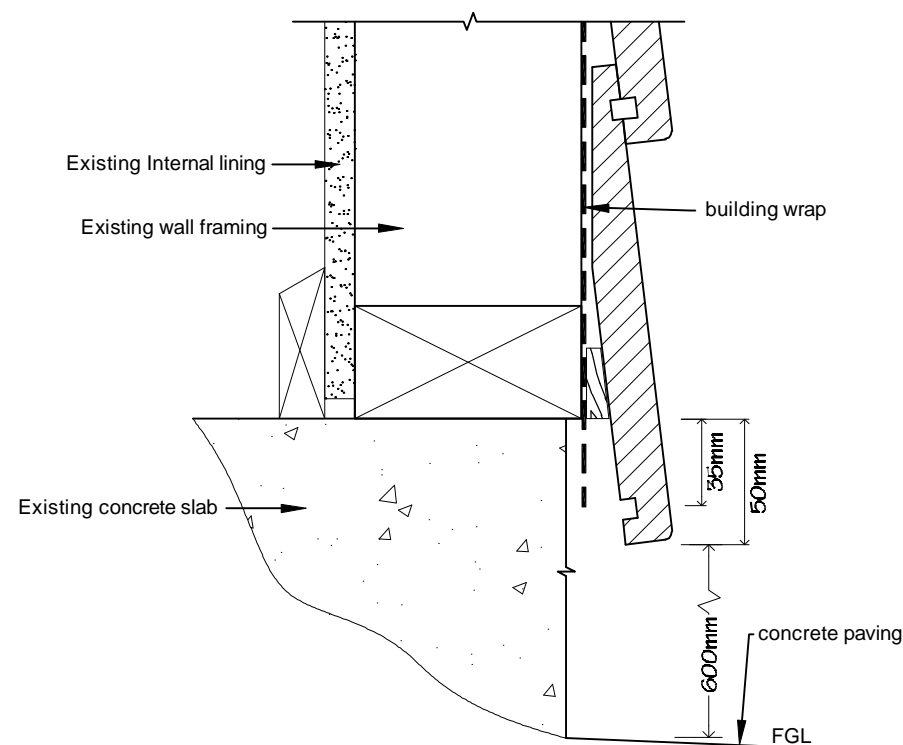
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	Mobile- Stephen 027-3355889					Original sheet size A3	
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	steve@irgroup.co.nz					Sheet No 7 of 16	
	www.irgroup.co.nz					Dwg Ref 7	
	Web-						




External Corner for Horizontal Weatherboards
Direct Fixed



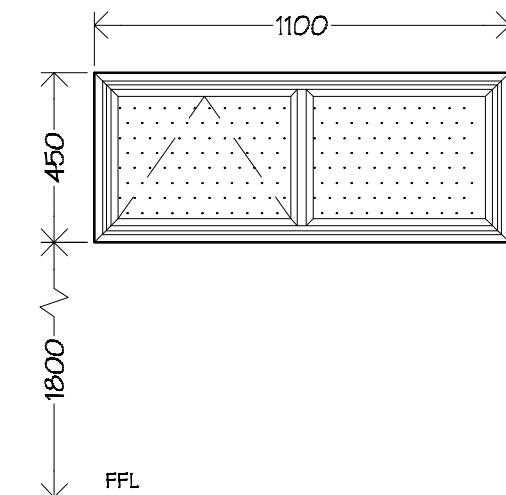
Internal Corners for Horizontal Weatherboards
Direct Fix
Internal Butt Corner



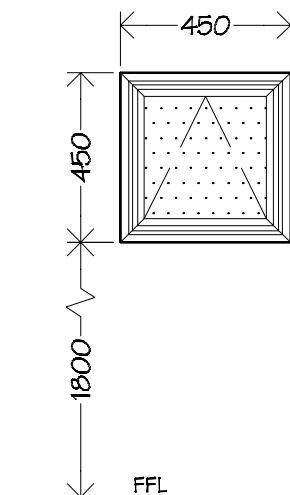
Bottom of Cladding Detail

 IR Group Ltd <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	St. Teresa's School 63 Bell Street Featherston	PROJECT Block A Toilet Alterations	DRAWING TITLE Flashing Details 2	REVISIONS <table><tr><th>No</th><th>Date</th><th>Description</th></tr><tr><td> </td><td> </td><td> </td></tr></table>	No	Date	Description				Scale 1:3	Pricing/Building Consent Drawings <i>Do not scale from drawings. Check all dimensions on site.</i>
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	Mobile- Stephen 027-3355889					Original sheet size A3							
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steve@irgroup.co.nz	Sheet No 8 of 16												
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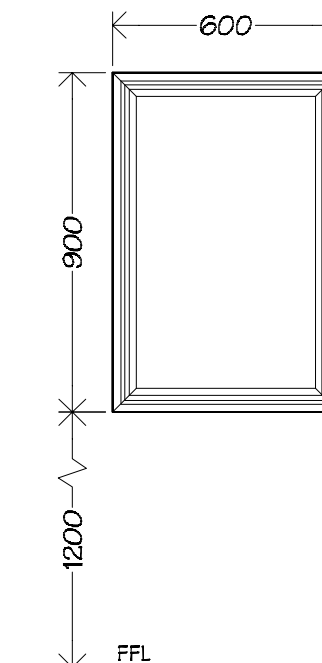
W1
2 off



W2
5 off



W3
1 off



Windows, W1, W2 & W3, to be p.c. 40mm
Commercial suite aluminium.


Glazing to be double glazed Grade A safety glass.
W1 & W2 to have obscure glass; W3 to have clear
glass.

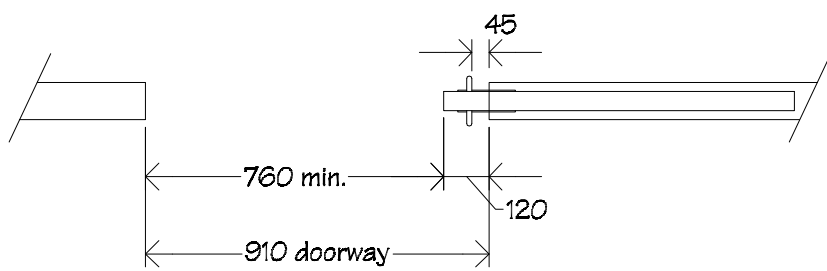
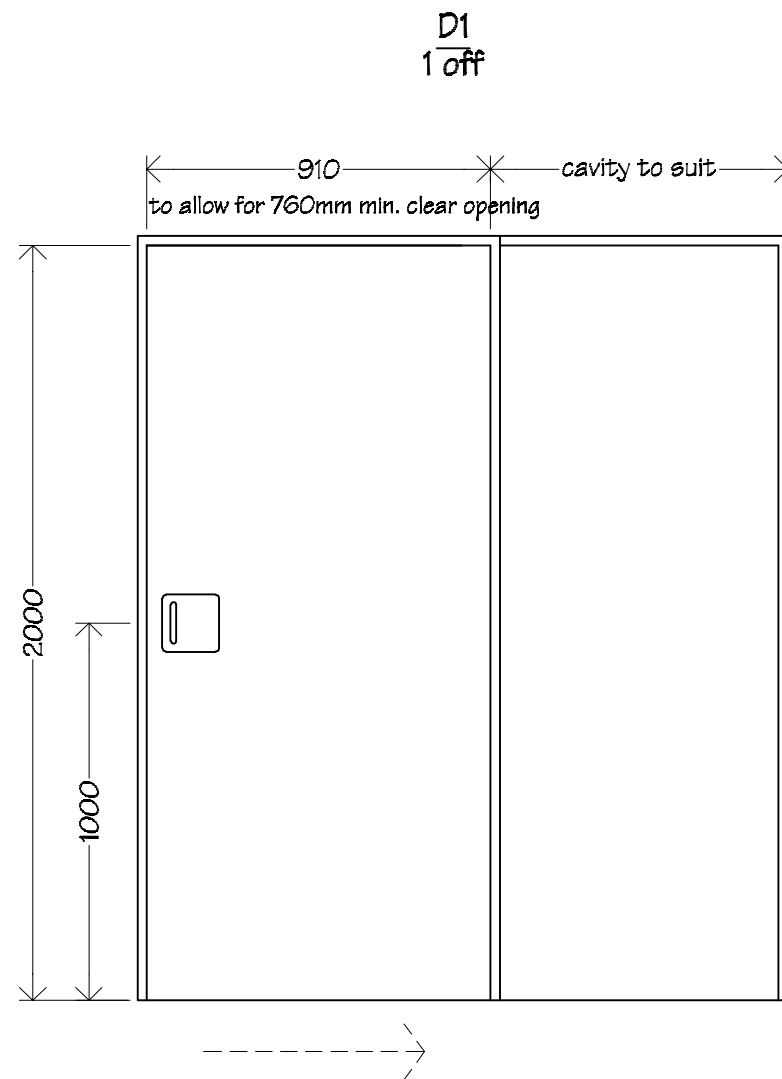
Hang sashes on suitably sized friction stays.

Awning sashes to be fixed with:
2 interlok 'restrictor' stays and
2 interlok avon non-locking fasteners per sash

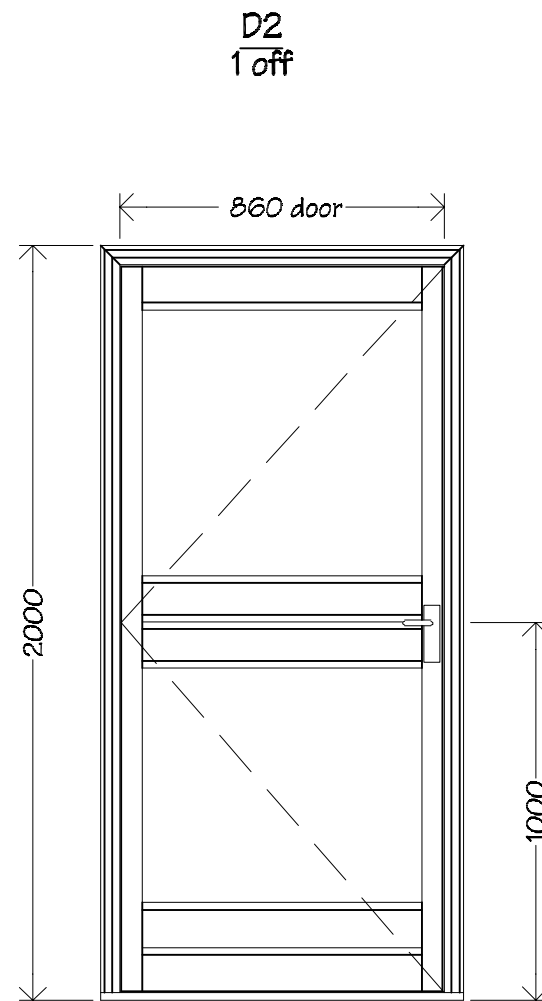
NOTES
All aluminium joinery to comply
with NZS4211.

All glazing to comply with NZS
4223.

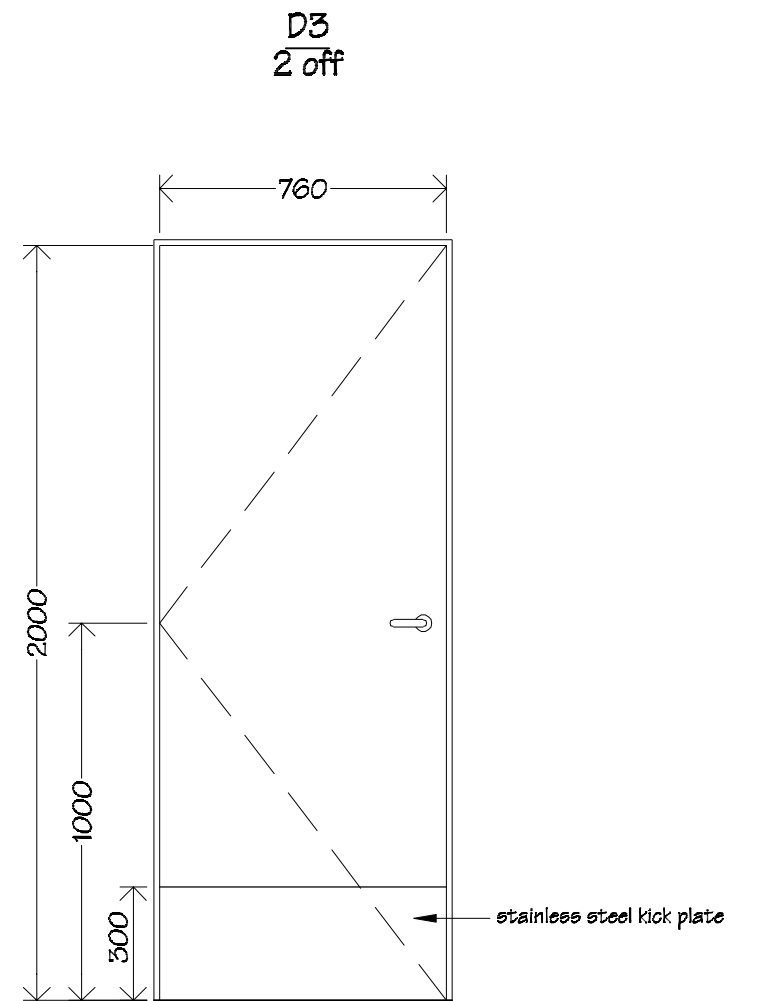
 IR Group Ltd <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	St. Teresa's School 63 Bell Street Featherston	PROJECT Block A Toilet Alterations	DRAWING TITLE Window Schedule	REVISIONS <table><tr><th>No</th><th>Date</th><th>Description</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>	No	Date	Description																Scale 1:20	Pricing/Building Consent Drawings <i>Do not scale from drawings. Check all dimensions on site.</i>
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steve@irgroup.co.nz	Sheet No 9 of 16																								
Web- www.irgroup.co.nz	Dwg Ref 9																								




Door D1 to be p.q. solid core timber cavity sliding door.
Handles to be Legge 800 Series RH820 & LH820.

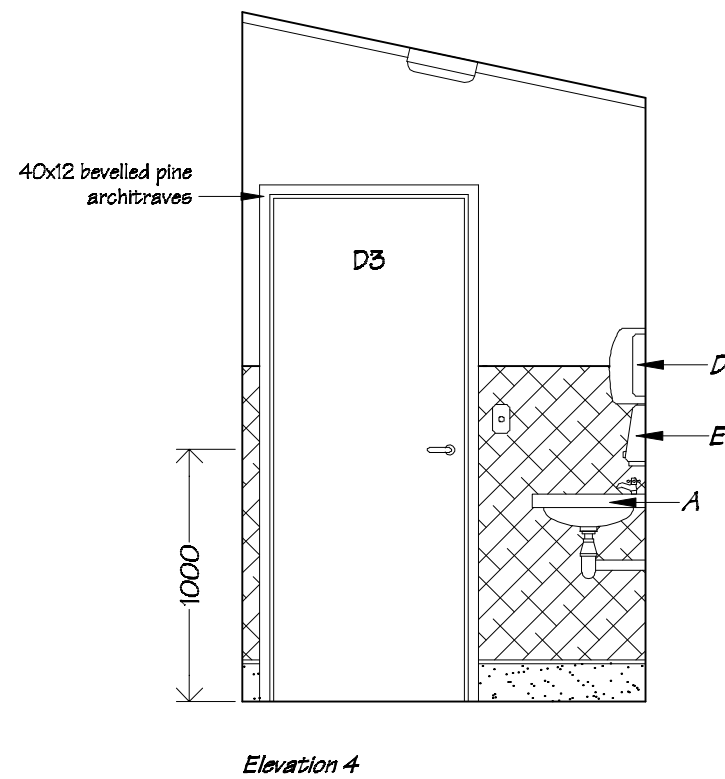
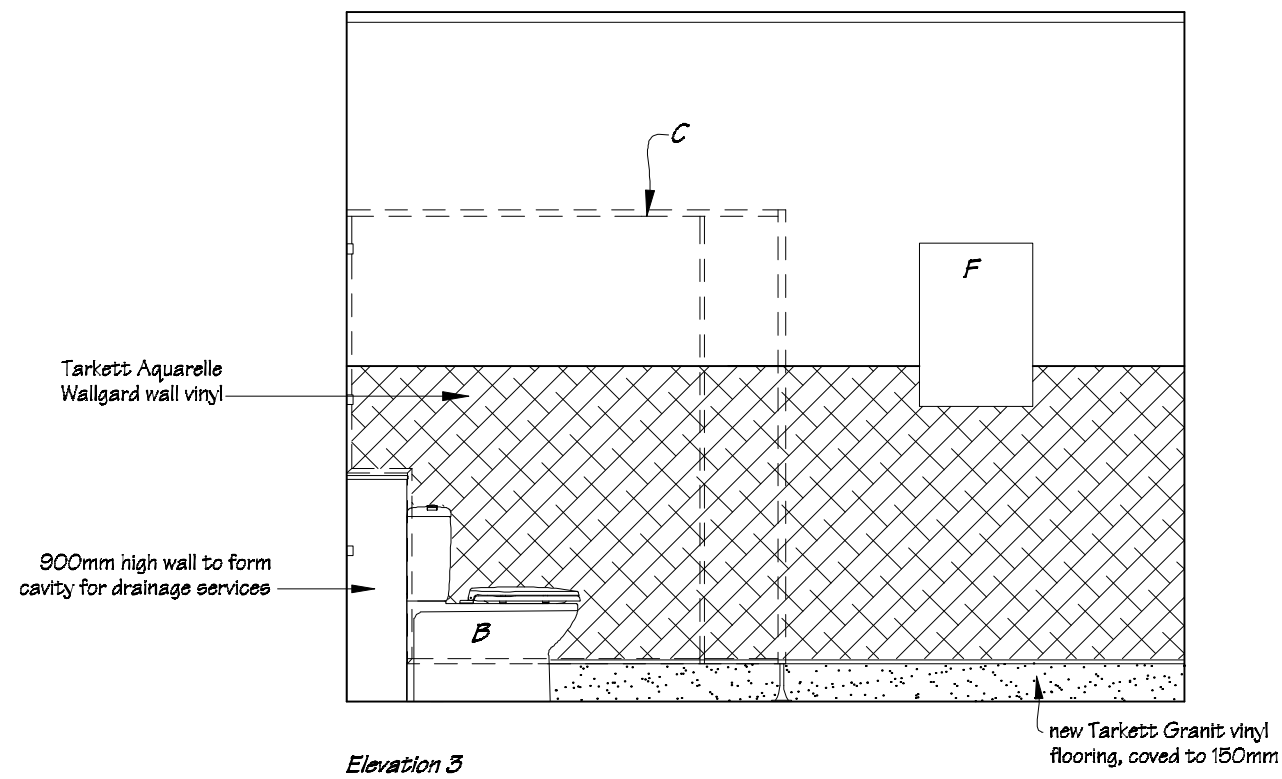
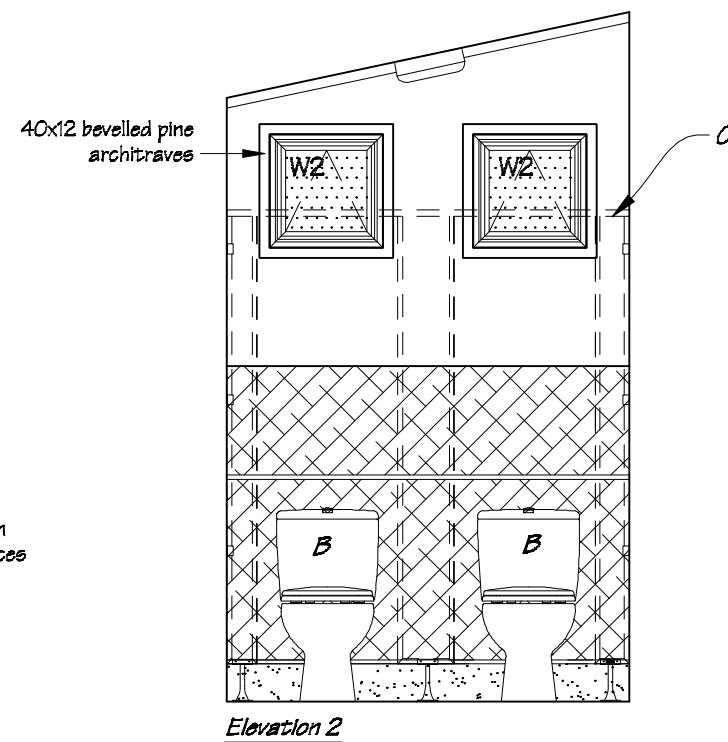
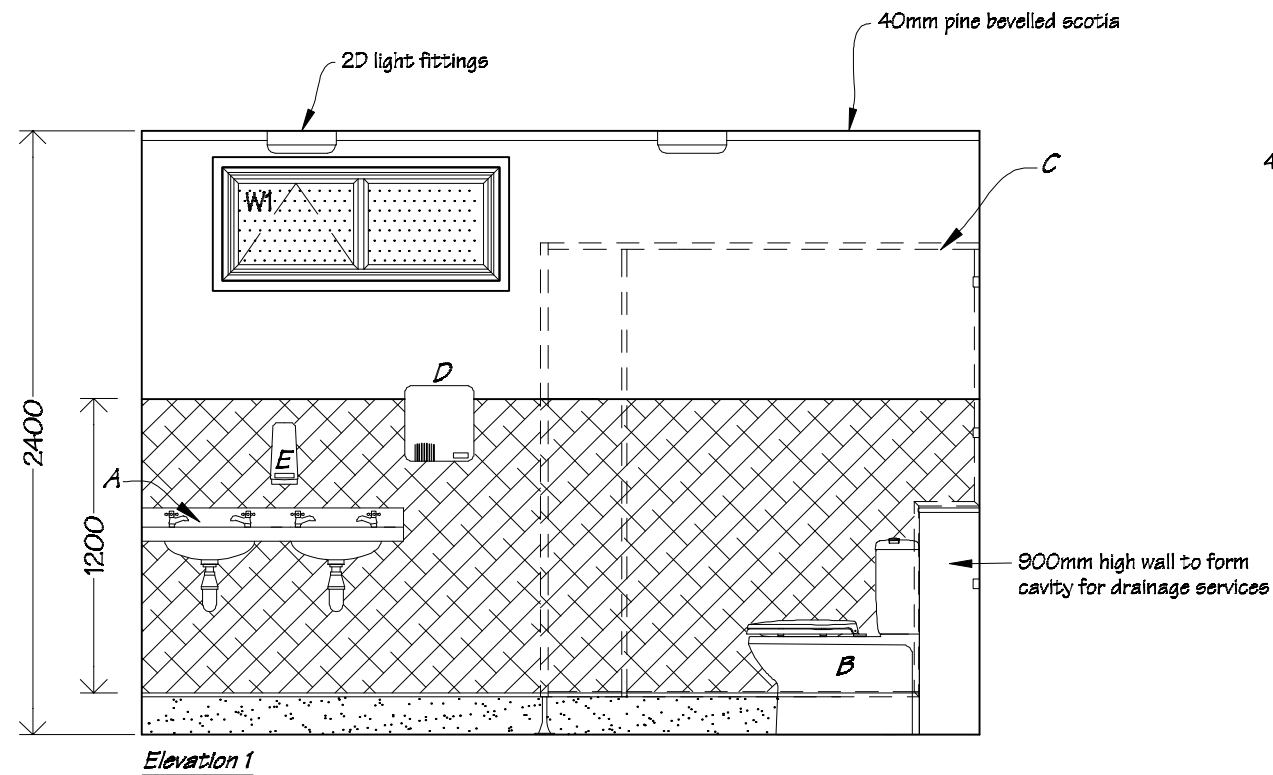


Door D2 to be glazed powder coated aluminium Magnum doors, in aluminium frame.
Glazing to be double glazed Grade A safety clear glass.
Door to be hung on 1.5 pairs of galv. FP 100mm broad butt hinges.
Refer to drawings for handing.
Refer to spec for door closer & hardware.



Doors D3 to be glazed paint quality, solid core timber doors in timber frames.
Doors to be hung on 1.5 pairs of galv. FP 100mm broad butt hinges.
Kick plates to be satin finished stainless steel. Fit kick plates to both sides of door.
Refer to drawings for handing.
Refer to spec for door closer & hardware.

 IR Group Ltd <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	St. Teresa's School 63 Bell Street Featherston	PROJECT Block A Toilet Alterations	DRAWING TITLE Door Schedule	REVISIONS <table><tr><th>No</th><th>Date</th><th>Description</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>	No	Date	Description										Scale 1:20	Pricing/Building Consent Drawings <i>Do not scale from drawings. Check all dimensions on site.</i>
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Mobile- Stephen 027-3355889	Original sheet size A3																		
Email- ian@irgroup.co.nz	Drawn S.T.																		
steve@irgroup.co.nz	Sheet No 10 of 16																		
Web- www.irgroup.co.nz	Dwg Ref 10																		



LEGEND

Toilet sanitary ware & fittings


- A Stainless steel hand basin to be reused from existing toilets.
- B Caroma Venecia wall faced toilet suite.
- C Hales Stratos HPL partitions & doors.
- D Supreme Master Air BA404 white electric hand dryer.
- E Reuse soap dispensers from existing toilets.
- F 450x650 mirror.

PAINTING

Allow to paint entry door & frames, ceiling, walls above Aquarelle Wallgard vinyl, architraves, scotias, & all miscellaneous timber trim throughout.

WALL LININGS

New wall linings to be 10mm Gib Board with new Tarkett Aquarelle Wallgard wall vinyl over at 1.2m from top of coving.

<div><p>IR Group Ltd</p><p>Design - Project Management - Planning</p></div>	Phone- Office 04 526-7711	St. Teresa's School 63 Bell Street Featherston	PROJECT Block A Toilet Alterations	DRAWING TITLE Boy's Toilet Interior Elevations	REVISIONS <div>NoDateDescription</div>	Scale 1:50	Pricing/Building Consent Drawings
	Mobile- Ian 021-427.347					Date 15/05/17	
	Mobile- Stephen 027-3355889					Original sheet size A3	
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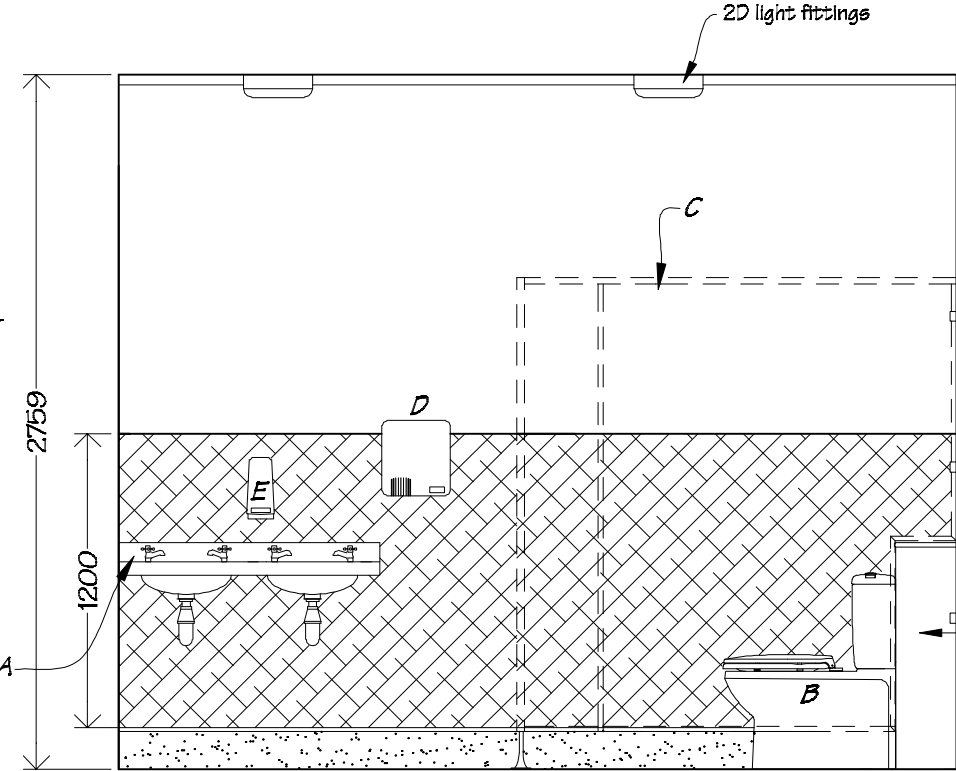
- LEGEND**
- Toilet sanitary ware & fittings*
- A** Stainless steel hand basin to be reused from existing toilets.
 - B** Caroma Venecia wall faced toilet suite.
 - C** Hales Stratos HPL partitions & doors.
 - D** Supreme Master Air BA404 white electric hand dryer.
 - E** Reuse soap dispensers from existing toilets.
 - F** 450x650 mirror.

PAINTING

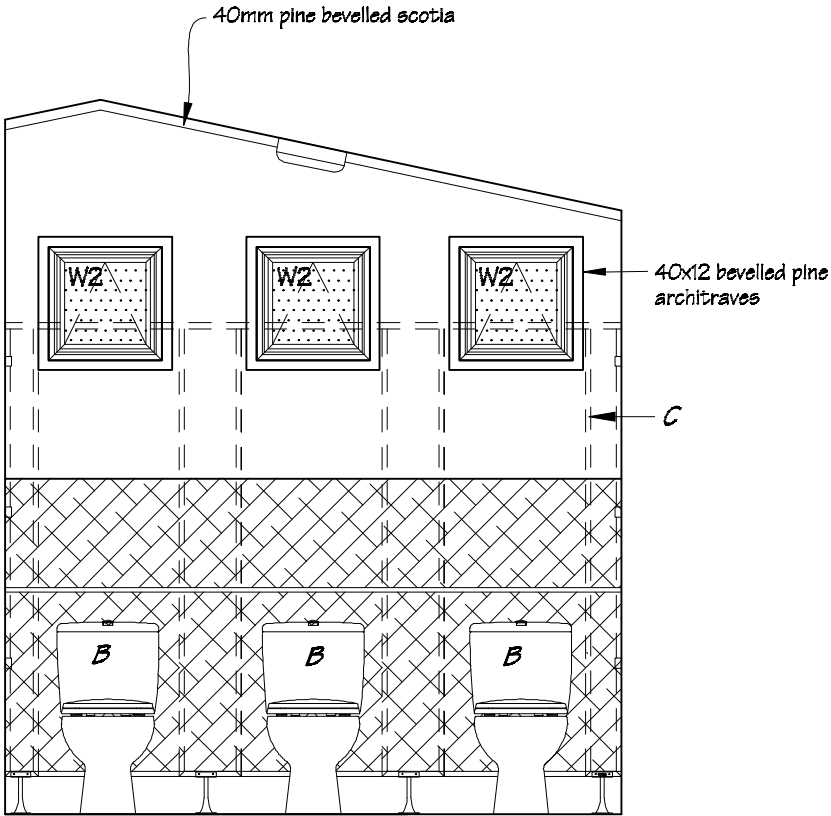
Allow to paint entry door & frames, ceiling, walls above Aquarelle Wallgard vinyl, architraves, scotias, & all miscellaneous timber trim throughout.

WALL LININGS

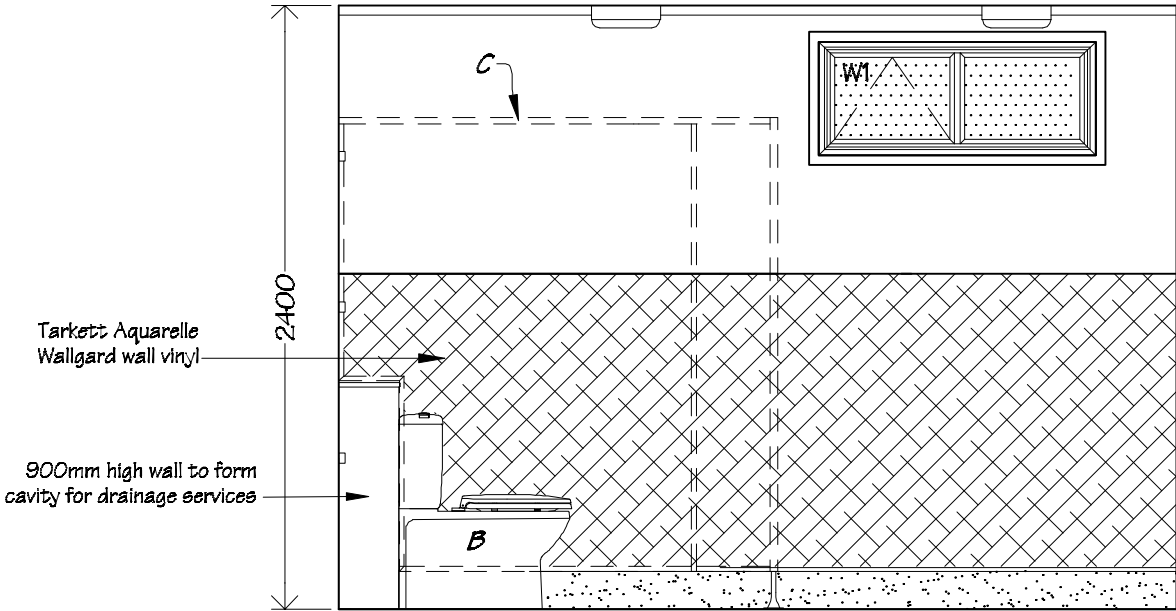
New wall linings to be 10mm Gib Board with new Tarkett Aquarelle Wallgard wall vinyl over at 1.2m from top of coving.



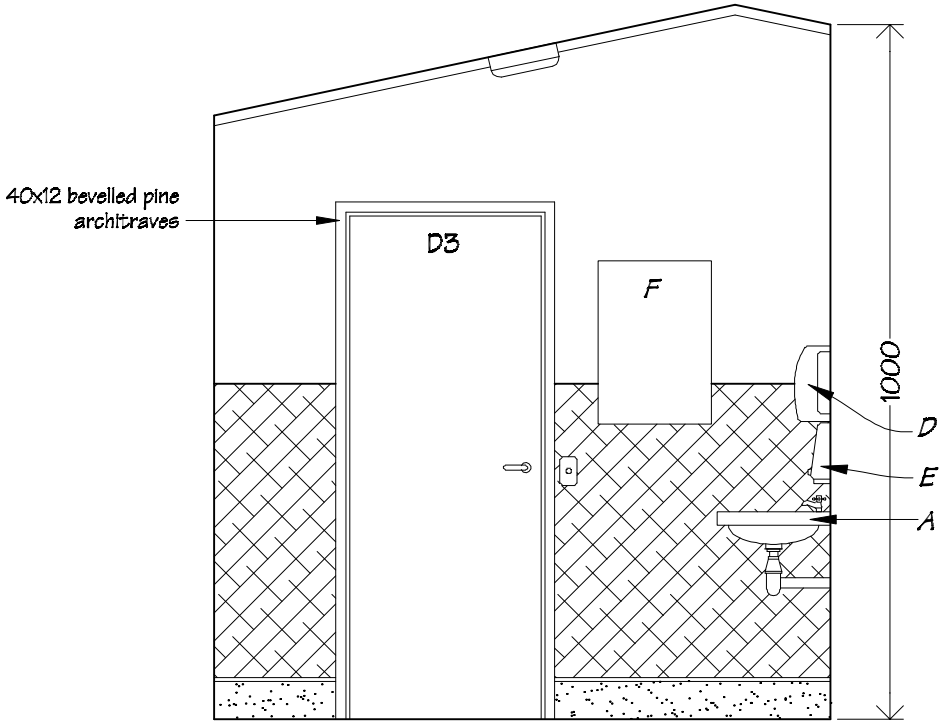
Elevation 1




Elevation 2

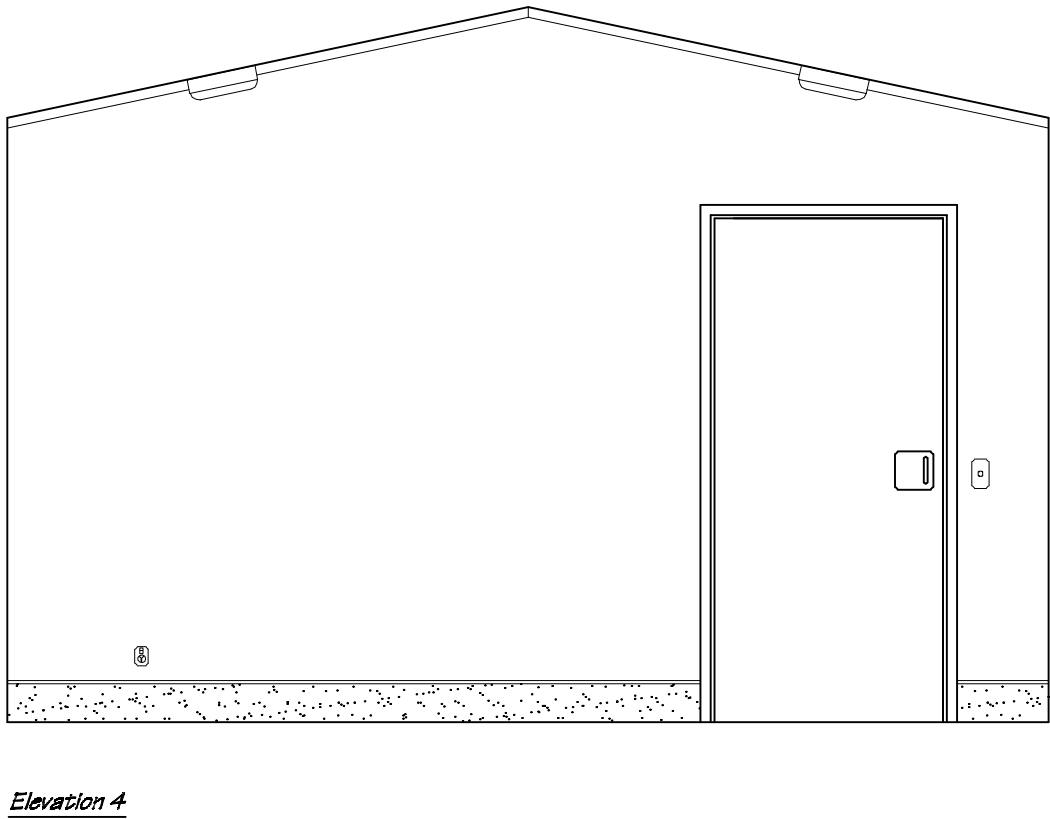
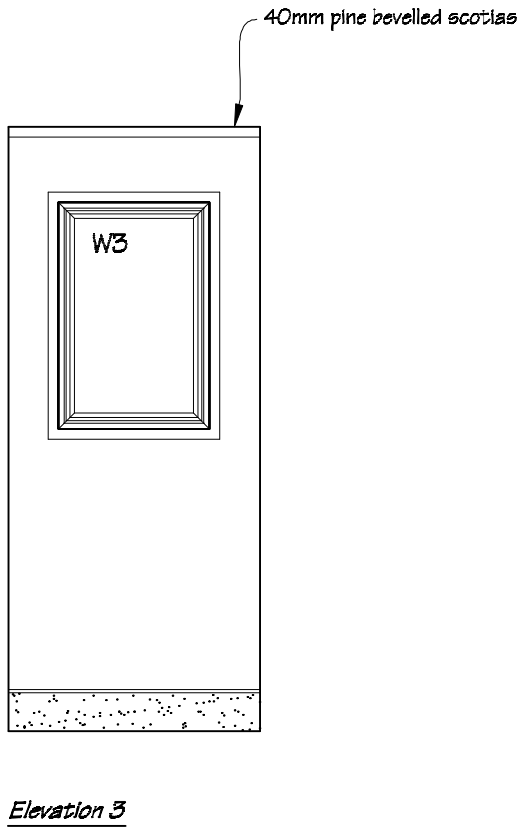
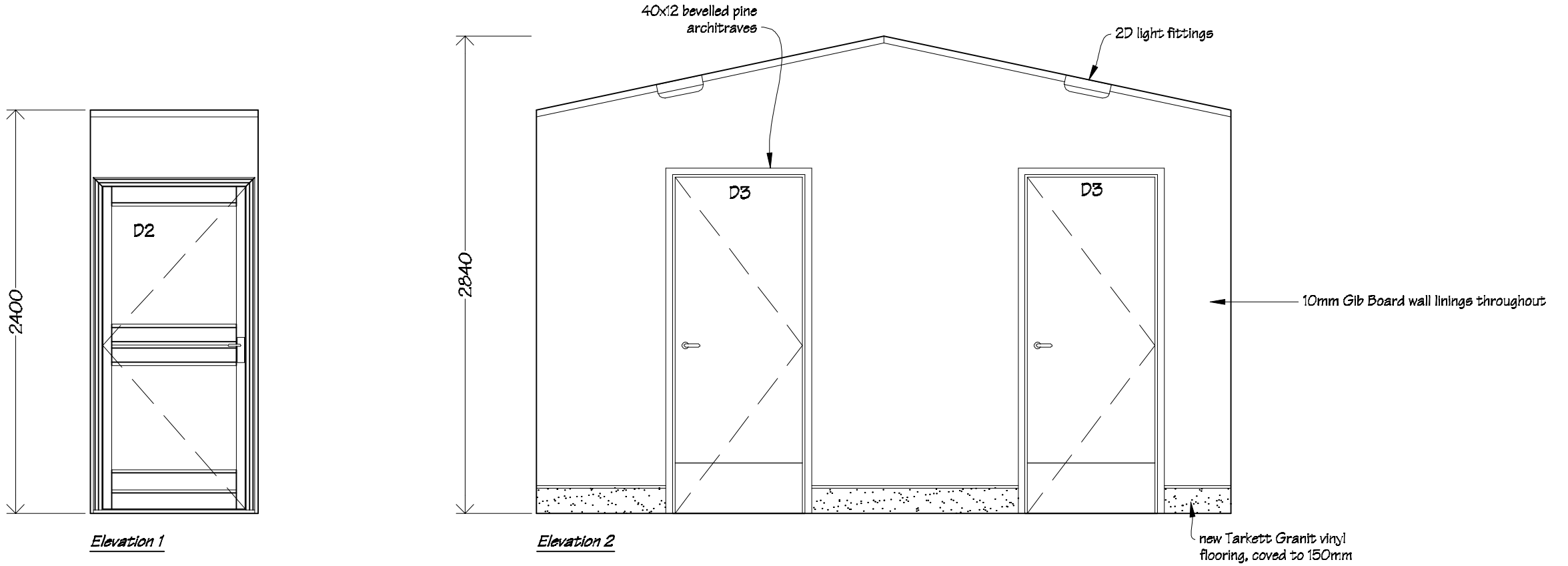


Elevation 3




Elevation 4

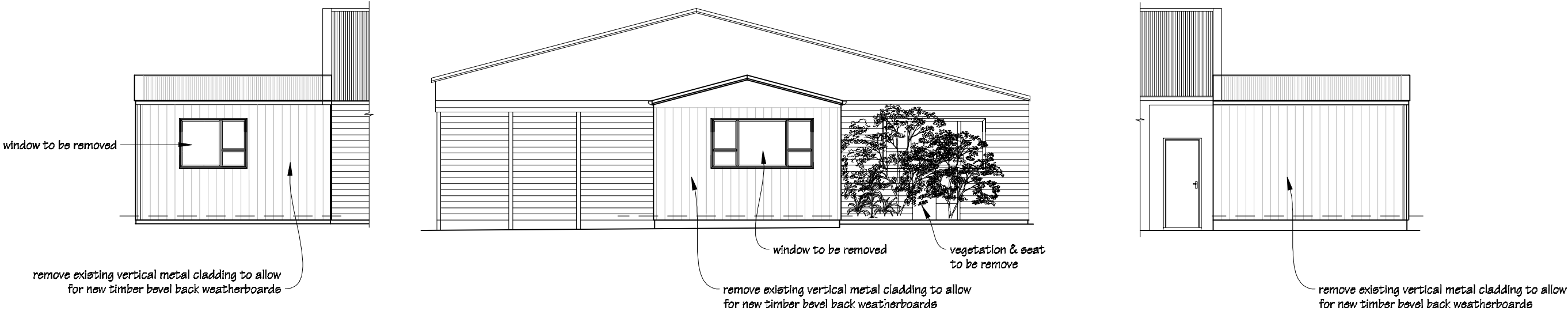
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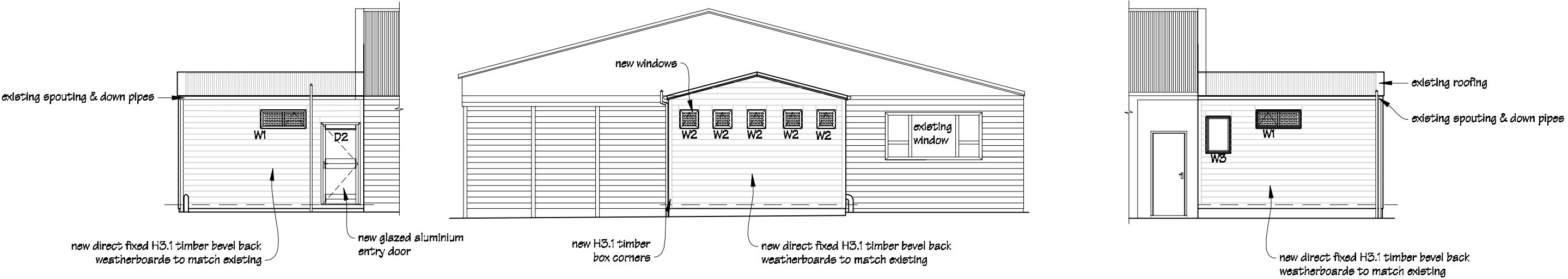
PAINING
Allow to paint timber doors & frames,
walls, ceiling, architraves, scotias, & all
miscellaneous timber trim throughout.

 IR Group Ltd <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	St. Teresa's School 63 Bell Street Featherston	PROJECT Block A Toilet Alterations	DRAWING TITLE Corridor Interior Elevations	REVISIONS	Scale 1:50	Pricing/Building Consent Drawings	
	Mobile- Ian 021-427.347				No Date Description	Date 15/05/17		
	Mobile- Stephen 027-3355889					Original sheet size A3		
	Email- ian@irgroup.co.nz					Drawn S.T.		Do not scale from drawings. Check all dimensions on site.
	Web- steve@irgroup.co.nz www.irgroup.co.nz					Sheet No 13 of 16 Dwg Ref 13		


Existing Exterior Elevations



Proposed Exterior Elevations



PAINTING: (toilet block only).
Allow to paint new timber weatherboards,
new & existing timber trim.
Paint colours to match existing.

 IR Group Ltd <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	St. Teresa's School 63 Bell Street Featherston	PROJECT Block A Toilet Alterations	DRAWING TITLE Exterior Elevations	REVISIONS	Scale 1:100	Pricing/Building Consent Drawings
	Mobile- Ian 021-427.347				<u>No</u> <u>Date</u> <u>Description</u>	Date 15/05/17	
	Mobile- Stephen 027-3355889					Original sheet size A3	
	Email- ian@irgroup.co.nz					Drawn S.T.	
	steve@irgroup.co.nz					Sheet No 14 of 16	
	www.irgroup.co.nz					Dwg Ref 14	
	Web-						

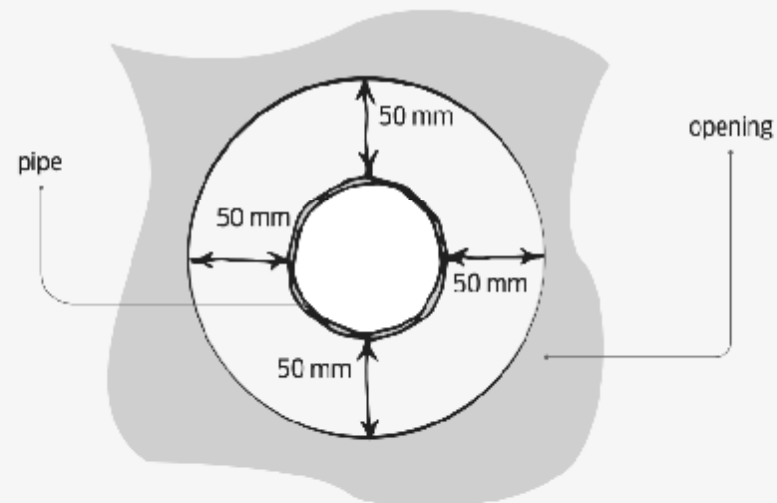


Figure 1 Clearance around service pipe from NZS 4219:2009.

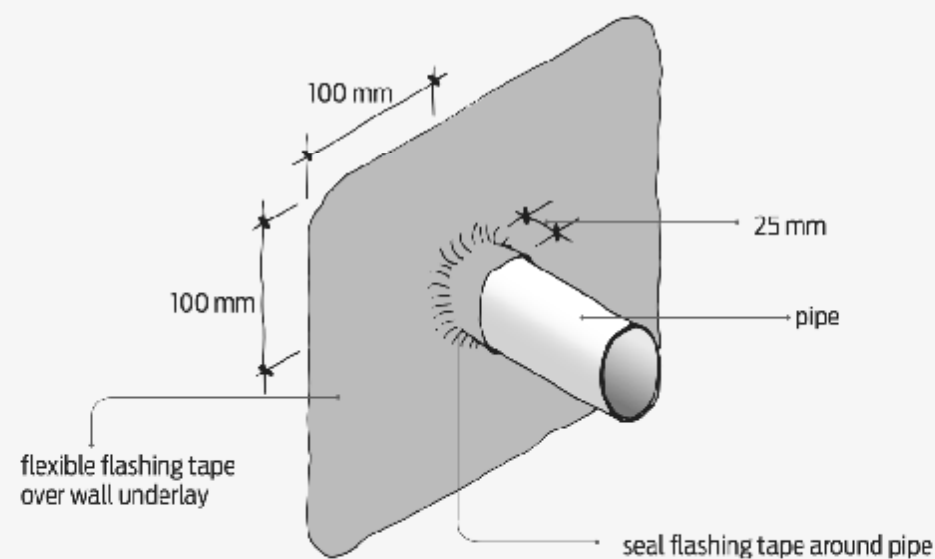


Figure 2 Sealing underlay and pipe with flexible flashing tape from E2/AS1.

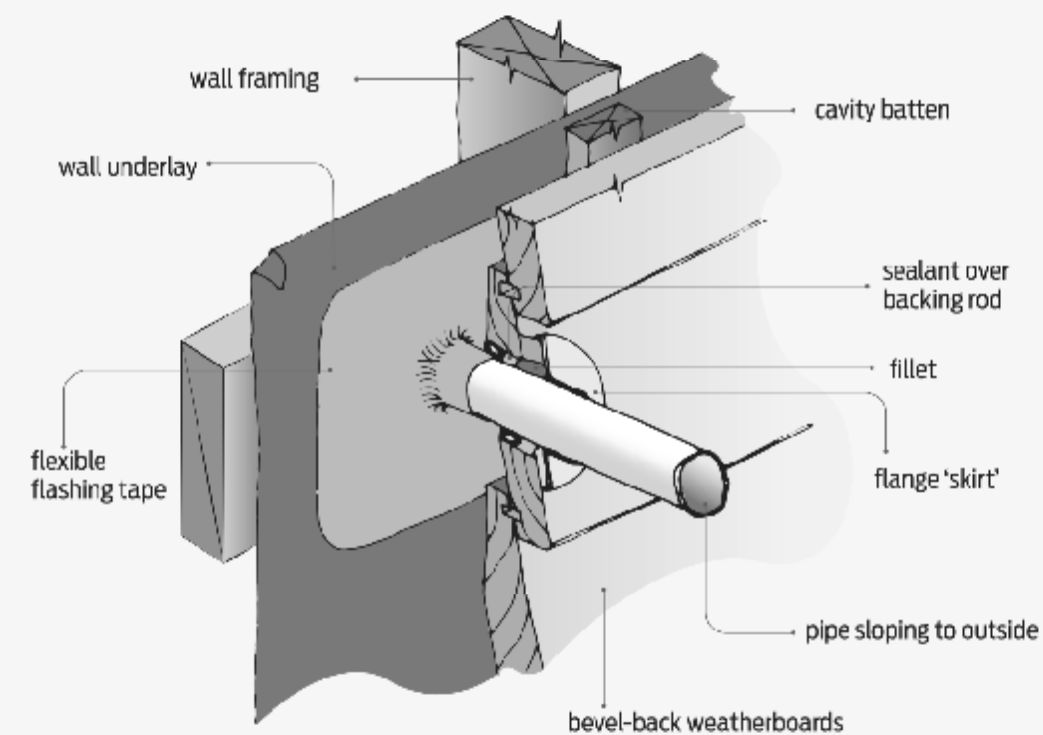


Figure 3 Penetration through weatherboard cladding (E2/AS1).

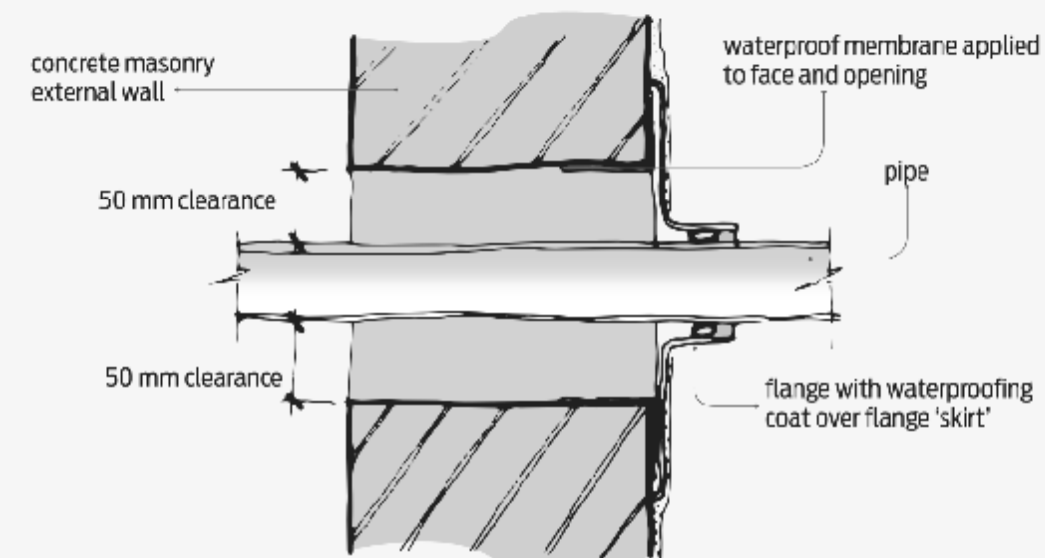



Figure 4 Penetration through concrete masonry external wall (NZS 4219:2009). Note that E2/AS3 (CCANZ CP01) does not require a 50 mm clearance.

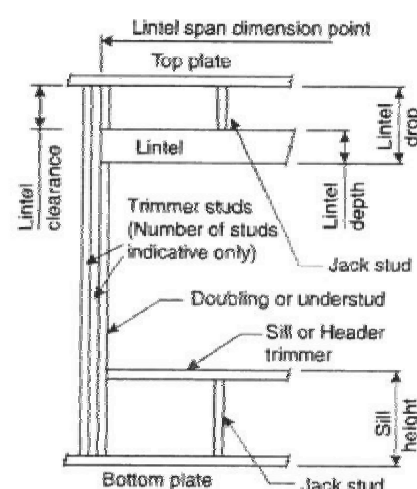
 IR Group Ltd <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	St. Teresa's School 63 Bell Street Featherston	PROJECT Block A Toilet Alterations	DRAWING TITLE Sewer Pipe Penetration Details	<table><tr><th colspan="3">REVISIONS</th></tr><tr><th>No</th><th>Date</th><th>Description</th></tr><tr><td></td><td>15/05/17</td><td>Original sheet size A3</td></tr><tr><td></td><td></td><td>Drawn S.T.</td></tr><tr><td></td><td>15 of 16</td><td>Sheet No</td></tr><tr><td></td><td>15</td><td>Dwg Ref</td></tr></table>	REVISIONS			No	Date	Description		15/05/17	Original sheet size A3			Drawn S.T.		15 of 16	Sheet No		15	Dwg Ref	Scale N.T.S.	Pricing/Building Consent Drawings <i>Do not scale from drawings.</i> <i>Check all dimensions on site.</i>
	REVISIONS																								
	No					Date	Description																		
						15/05/17	Original sheet size A3																		
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						15 of 16	Sheet No																		
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steve@irgroup.co.nz	Sheet No 15 of 16																								
Web- www.irgroup.co.nz	Dwg Ref 15																								

**LINTEL FIXING SCHEDULE
ALTERNATIVE TO TABLE 8.14 & FIGURE 8.12
NZS 3604:2011**

NOTE:

- ★ All fixings are designed for vertical loads only. Dead loads include the roof weight and standard ceiling weight of 0.20 kPa.
- ★ Refer to Table 8.19 NZS 3604:2011 for nailing schedule to resist horizontal loads.
- ★ These fixings assume the correct choice of rafter/truss to top plate connections have been made.
- ★ All fixings assume bottom plate thickness of 45mm maximum. Note: TYLOK options on timber species.
- ★ Wall framing arrangements under girder trusses are not covered in this schedule.
- ★ All timber selections are as per NZS 3604:2011.

DEFINITIONS



Lintel Supporting Girder Trusses:

Roof Tributary Area	Light Roof					Heavy Roof				
	Wind Zone					Wind Zone				
	L	M	H	VH	EH	L	M	H	VH	EH
8.6 m ²	G		G		H	G		G		H
11.6 m ²	G		H		H	G		G		H
12.1 m ²	G		H		H	G		G		H
15.3 m ²	H		H		-	G		H		H
19.1 m ²	H		-		-	G		H		-
20.9 m ²	H		-		-	H		H		-
21.8 m ²	H		-		-	H		-		-
34.3 m ²	-		-		-	H		-		-

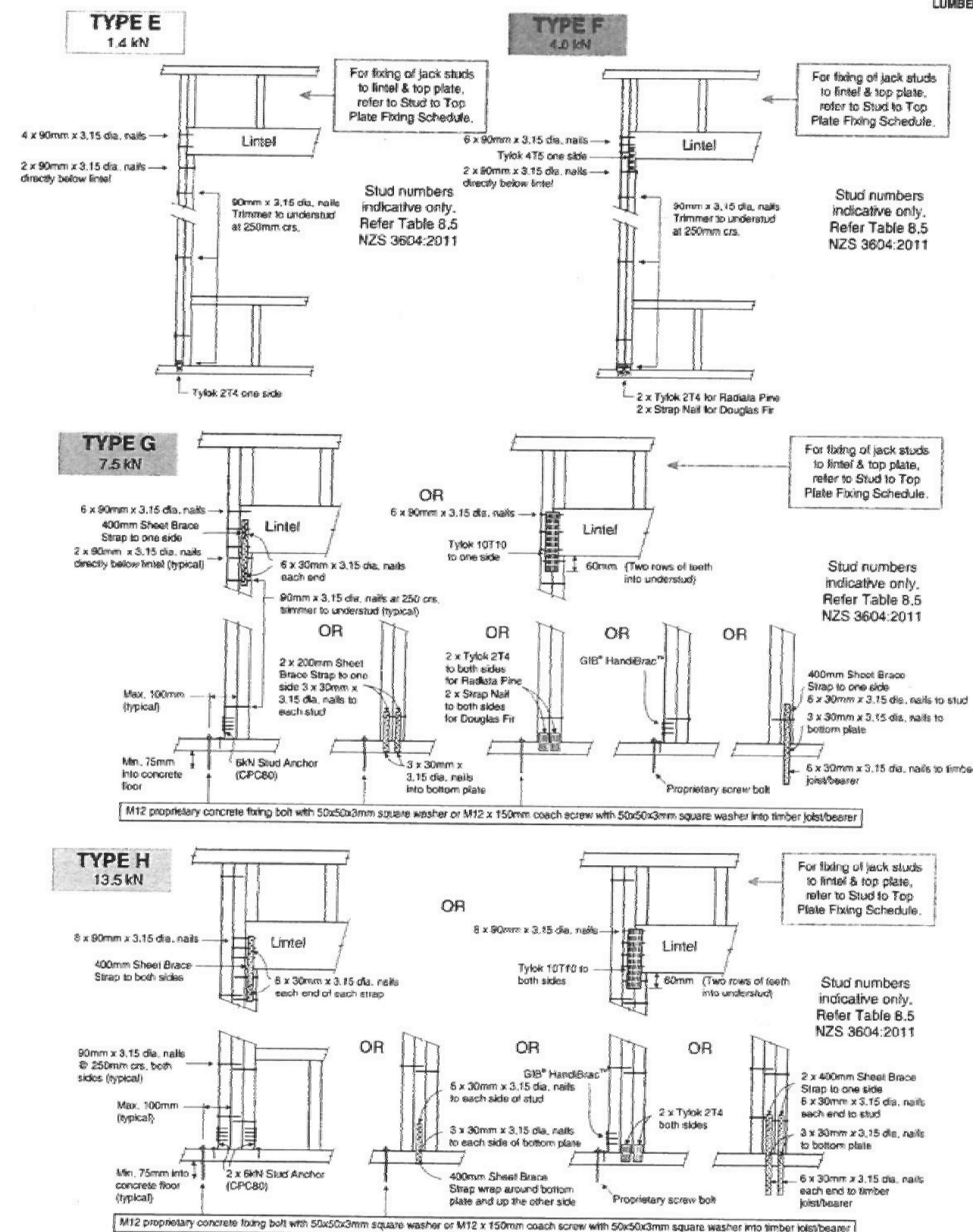
Notes:

- 1) Roof Tributary Area = approx. $\frac{1}{2} \times$ (Total roof area on girder and rafter trusses supported by lintel)
- 2) Assumed girder truss is at mid-span or middle third span of lintel
- 3) Use similar fixings for both ends of lintel
- 4) All other cases require specific engineering design

SELECTION CHART FOR LINTEL FIXING

Lintel Span	Loaded Dimension (See Fig. 1.3 NZS 3604:2011)	Light Roof					Heavy Roof				
		Wind Zone					Wind Zone				
		L	M	H	VH	EH	L	M	H	VH	EH
0.7	2.0	E	E	E	E	F	E	E	E	E	E
	3.0	E	E	E	F	F	E	E	E	E	F
	4.0	E	E	F	F	F	E	E	F	F	F
	5.0	E	F	F	F	G	E	F	F	F	F
	6.0	E	F	F	G	G	E	F	F	F	G
0.9	2.0	E	E	E	F	F	E	E	E	E	E
	3.0	E	E	F	F	F	E	E	F	F	F
	4.0	E	E	F	F	F	E	F	F	F	F
	5.0	E	F	F	F	G	E	F	F	F	F
	6.0	E	F	F	G	G	E	F	F	F	G
1.0	2.0	E	E	E	F	F	E	E	E	E	E
	3.0	E	E	F	F	F	E	E	F	F	F
	4.0	E	F	F	F	G	E	F	F	F	F
	5.0	E	F	F	G	G	E	F	F	F	G
	6.0	E	F	F	G	G	E	F	F	F	G
1.2	2.0	E	E	F	F	F	E	E	E	E	E
	3.0	E	E	F	F	F	E	E	F	F	F
	4.0	E	F	F	G	G	E	F	F	F	F
	5.0	E	F	F	G	G	E	F	F	F	G
	6.0	F	F	G	G	H	E	F	G	F	F
1.5	2.0	E	F	F	F	F	E	E	E	F	F
	3.0	E	F	F	F	G	E	E	F	F	F
	4.0	E	F	F	G	G	E	E	F	F	G
	5.0	F	F	G	G	H	E	E	F	G	G
	6.0	F	F	G	H	H	E	E	F	G	H
2.0	2.0	E	F	F	F	G	E	E	F	F	F
	3.0	E	F	F	G	G	E	E	F	F	G
	4.0	F	F	G	G	H	E	E	F	G	G
	5.0	F	F	G	H	H	E	E	F	G	H
	6.0	F	G	G	H	H	E	F	G	H	H
2.4	2.0	E	F	F	G	G	E	E	F	G	G
	3.0	F	F	G	G	H	E	E	F	G	G
	4.0	F	F	G	H	H	E	E	F	G	H
	5.0	F	G	G	H	H	E	F	G	H	H
	6.0	F	G	H	H	-	E	F	G	H	-
3.0	2.0	E	F	F	G	G	E	E	F	F	G
	3.0	F	F	G	H	H	E	E	F	G	H
	4.0	F	G	G	H	H	E	F	G	H	H
	5.0	F	G	H	H	-	E	F	G	H	-
	6.0	F	G	H	-	-	E	F	G	H	-
3.6	2.0	F	F	G	G	H	E	E	F	G	G
	3.0	F	F	G	H	H	E	F	G	G	H
	4.0	F	G	G	H	-	E	F	G	H	-
	5.0	F	G	H	-	-	E	F	G	H	-
	6.0	G	G	H	-	-	E	F	H	-	-
4.2	2.0	F	F	G	G	H	E	E	F	G	G
	3.0	F	G	G	H	-	E	F	G	H	-
	4.0	F	G	H	-	-	E	F	G	H	-
	5.0	G	H	-	-	-	E	F	H	-	-
	6.0	G	H	-	-	-	E	F	H	-	-
4.5	2.0	F	F	G	H	H	E	E	F	G	H
	3.0	F	G	G	H	-	E	F	G	H	-
	3.6	F	G	H	-	-	E	F	G	H	-
	4.0	F	G	H	-	-	E	F	G	H	-
	5.0	G	H	-	-	-	E	F	H	-	-
4.8	2.0	F	F	G	H	H	E	E	F	G	H
	3.0	F	G	G	H	-	E	F	G	H	-
	3.2	F	G	H	-	-	E	F	G	H	-
	4.0	F	G	H	-	-	E	F	H	-	-
	5.0	G	H	-	-	-	E	F	H	-	-

LINTEL FIXING OPTIONS



MiTek New Zealand Limited

CHRISTCHURCH

REVISIONS		
No	Date	Description

Scale	N.T.S.
Date	15/05/17
Original sheet size	A3
Drawn	S. T.
Sheet No	16 of 16
Dwg Ref	16

Pricing/Building Consent
Drawings

*Do not scale from drawings.
Check all dimensions on site.*