

# CHANEL COLLEGE ADMINISTRATION ALTERATIONS, RE-ROOFING & SEISMIC STRENGTHENING.

26 Herbert Street  
Masterton

for  
Archdiocese of Wellington

## DRAWINGS

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Page 31	31	Office 5 Interior Elevations	1:50



I R Group Ltd

Design - Project Management - Planning

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**NOTES:**  
Drawings to be read in  
conjunction with the  
attached Vishnu Fire Safety  
Design Report.

Initial Issue Date  
06-03-2017

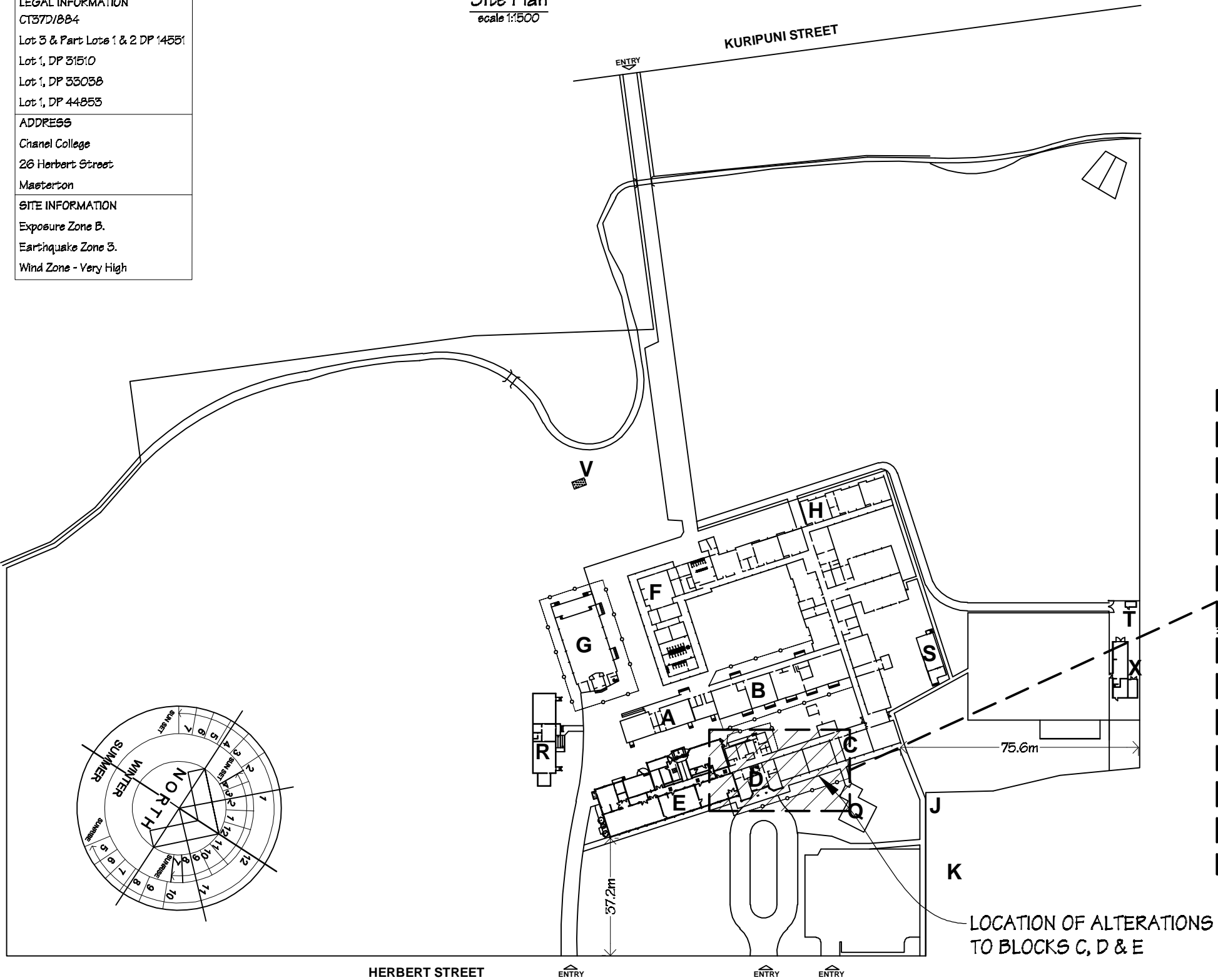
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23-05-2017  
06-06-2017

Pricing/Building  
Consent  
Drawings

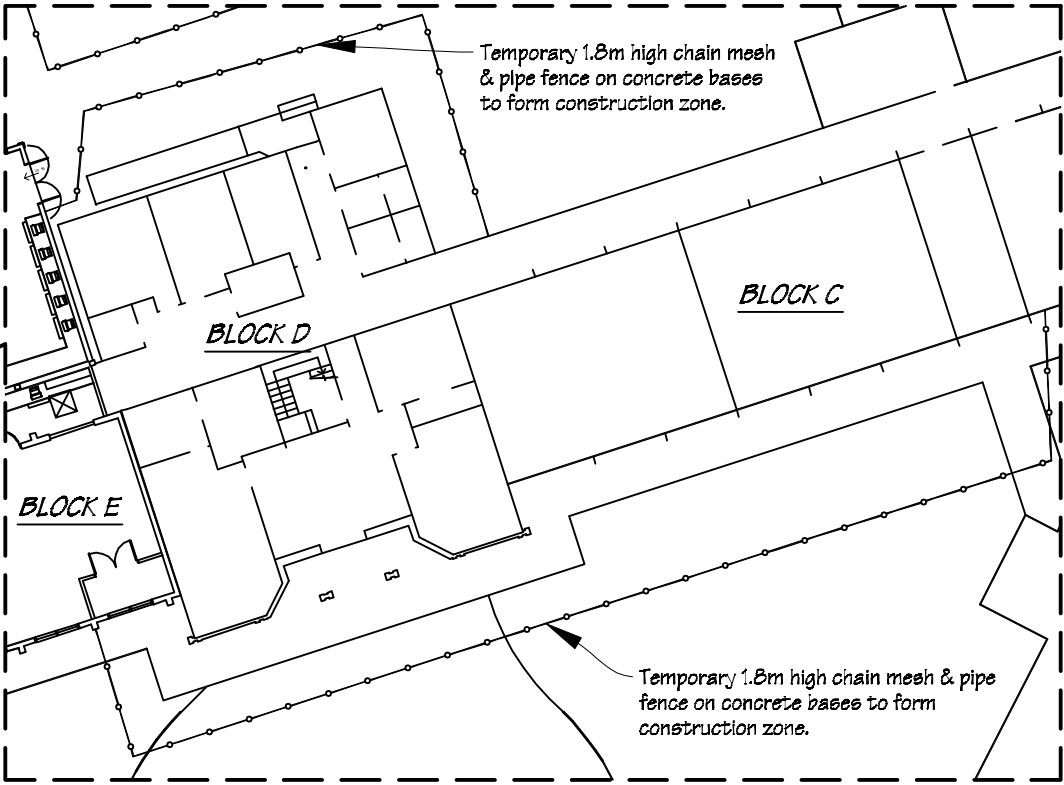
ADMINISTRATION ALTERATIONS


LEGAL INFORMATION
CT37D/884
Lot 3 & Part Lots 1 & 2 DP 14551
Lot 1, DP 31510
Lot 1, DP 33038
Lot 1, DP 44853
ADDRESS
Chanel College
26 Herbert Street
Masterton
SITE INFORMATION
Exposure Zone B.
Earthquake Zone 3.
Wind Zone - Very High

Site Plan  
scale 1:1500



Blocks C, D & E;  
Part Block Plan  
scale 1:300



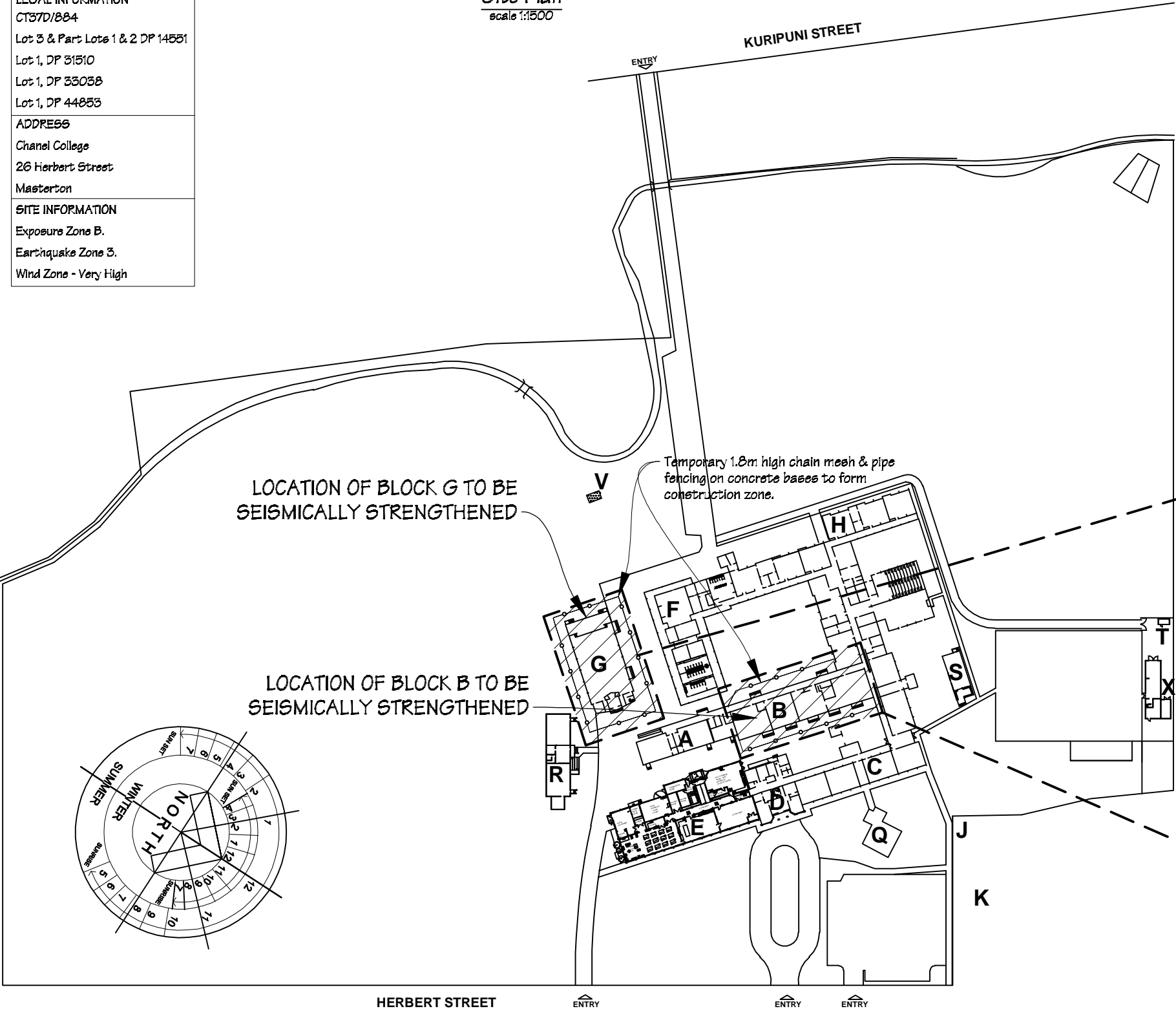
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	Mobile- Ian 021-427.347				<u>No</u> <u>Date</u> <u>Description</u>	as shown	
	Mobile- Stephen 027-3355889					Date 06/05/17	
	Email- <a href="mailto:ian@irgroup.co.nz">ian@irgroup.co.nz</a>					Original sheet size A3	
						Drawn S.T.	
	Web- <a href="http://www.irgroup.co.nz">www.irgroup.co.nz</a>					Sheet No 1 of 3	Do not scale from drawings. Check all dimensions on site.
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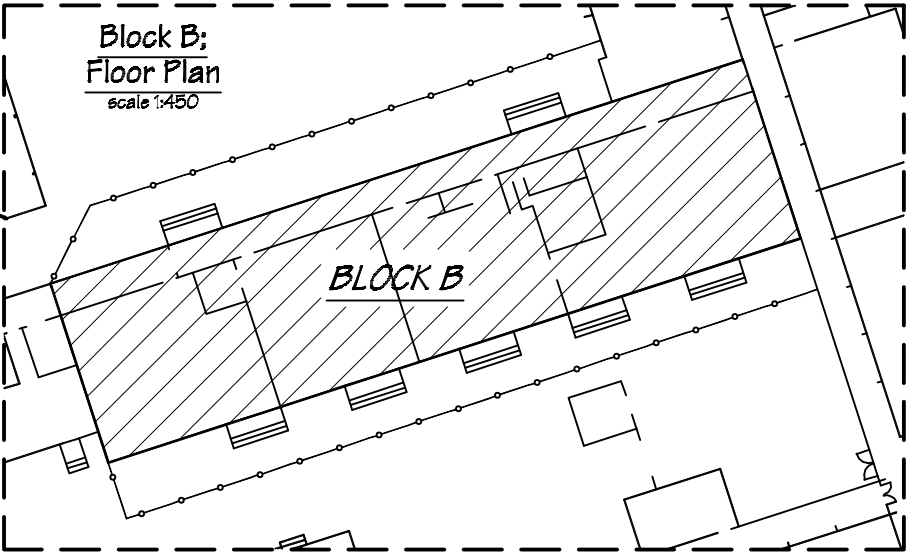
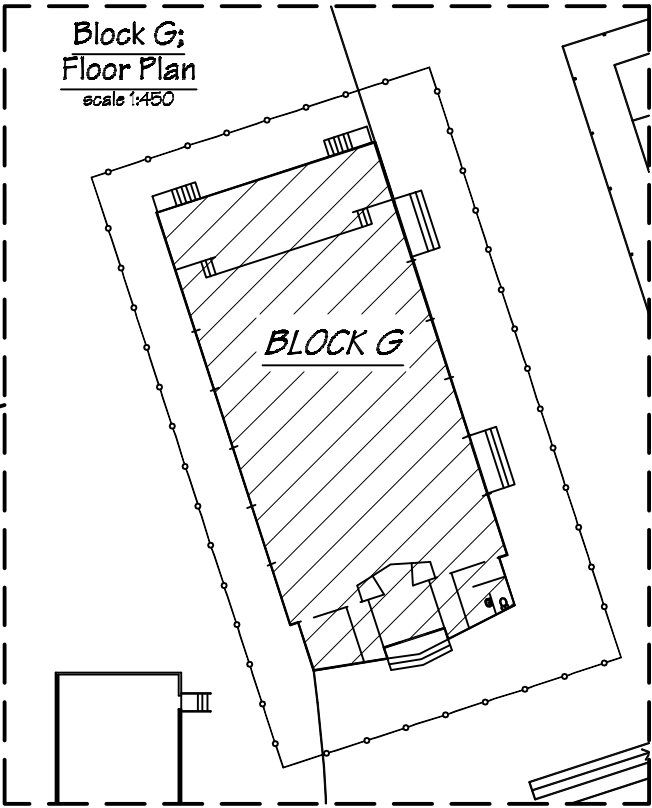
SEISMIC STRENGTHENING


LEGAL INFORMATION
CT37D/884
Lot 3 & Part Lots 1 & 2 DP 14551
Lot 1, DP 31510
Lot 1, DP 33038
Lot 1, DP 44853
ADDRESS
Chanel College
26 Herbert Street
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SITE INFORMATION
Exposure Zone B.
Earthquake Zone 3.
Wind Zone - Very High

Site Plan  
scale 1:1500

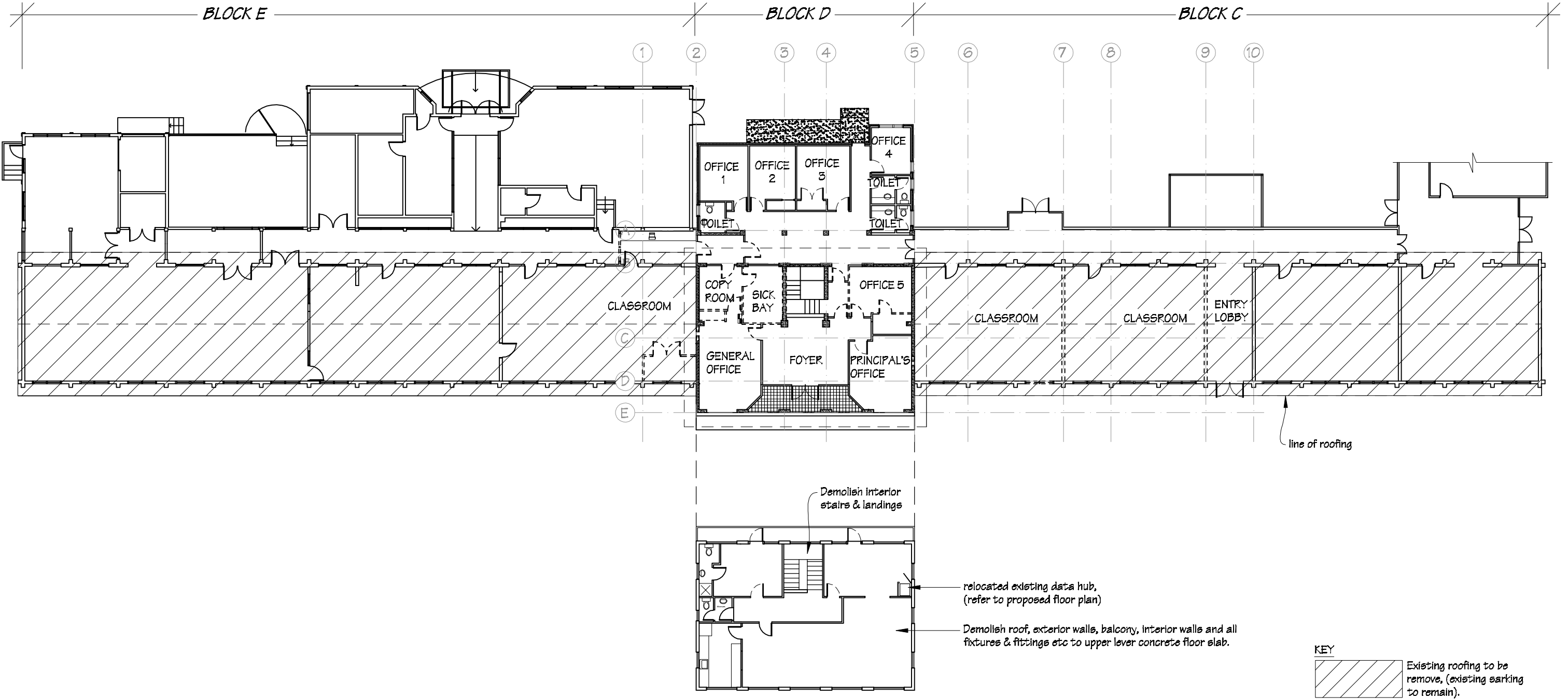


NOTE  
Refer to the attached Certa Engineering report and details for the seismic strengthening work to be undertaken in Blocks B & G.




 IR Group Ltd Design - Project Management - Planning	Phone- Office 04 526-7711 Mobile- Ian 021-427.347 Mobile- Stephen 027-3355889 Email- <a href="mailto:ian@irgroup.co.nz">ian@irgroup.co.nz</a> <a href="mailto:steve@irgroup.co.nz">steve@irgroup.co.nz</a> Web- <a href="http://www.irgroup.co.nz">www.irgroup.co.nz</a>	Chanel College 26 Herbert Street Masterton	PROJECT  Seismic Strengthening	DRAWING TITLE  Site Plan; Seismic Strengthening	REVISIONS No Date Description	Scale	as shown	Pricing/Building Consent Drawings  Do not scale from drawings. Check all dimensions on site.
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						Dwg Ref	2	

GROUND FLOOR PLAN

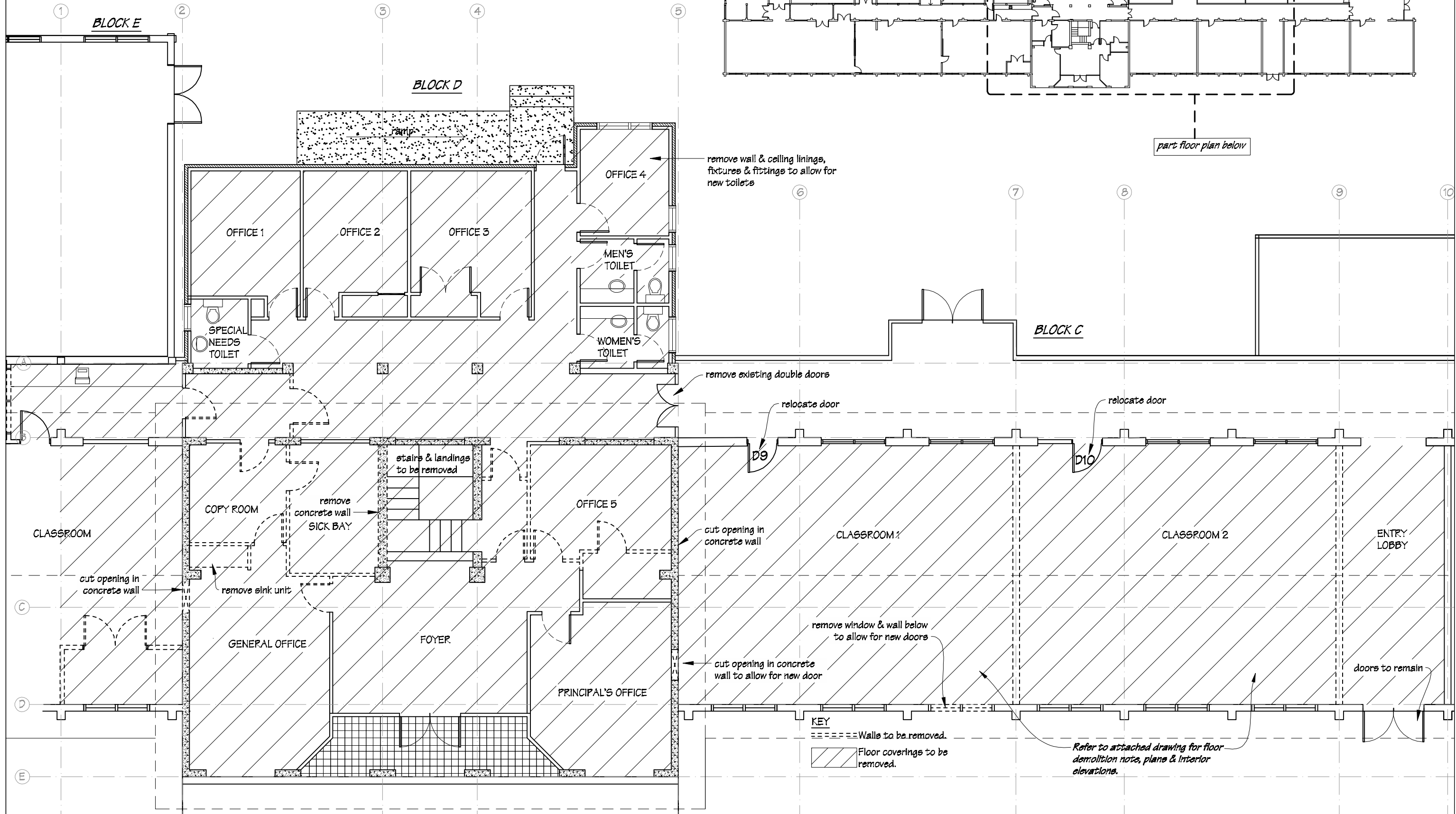


LEVEL 1 FLOOR PLAN

 IR Group Ltd <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	Chanel College 26 Herbert Street Masterton	PROJECT Administration Alterations, Re-roofing & Seismic Strengthening	DRAWING TITLE Existing Overall Floor Plan	REVISIONS	Scale 1:250	Pricing/Building Consent Drawings
	Mobile- Ian 021-427.347				<i>No Date Description</i>	Date 06/03/17	
	Mobile- Stephen 027-3355889					Original sheet size A3	
	Email- ian@irgroup.co.nz					Drawn S.T.	
	steve@irgroup.co.nz					Sheet No 3 of 3	
Web- www.irgroup.co.nz					Dwg Ref 3	Do not scale from drawings. Check all dimensions on site.	

part floor plan below

Part Block Plan  
scale 1:100



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Web-	<a href="http://www.irgroup.co.nz">www.irgroup.co.nz</a>	

Chanel College  
26 Herbert Street  
Masterton

PROJECT	Administration Alterations, Re-roofing & Seismic Strengthening
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DRAWING TITLE	Existing Floor Plan
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REVISIONS		
No	Date	Description

Scale	1:100
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Original sheet size	A3
Drawn	S. T.
Sheet No	4 of 31
Dwg Ref	4

**Pricing/Building Consent  
Drawings**

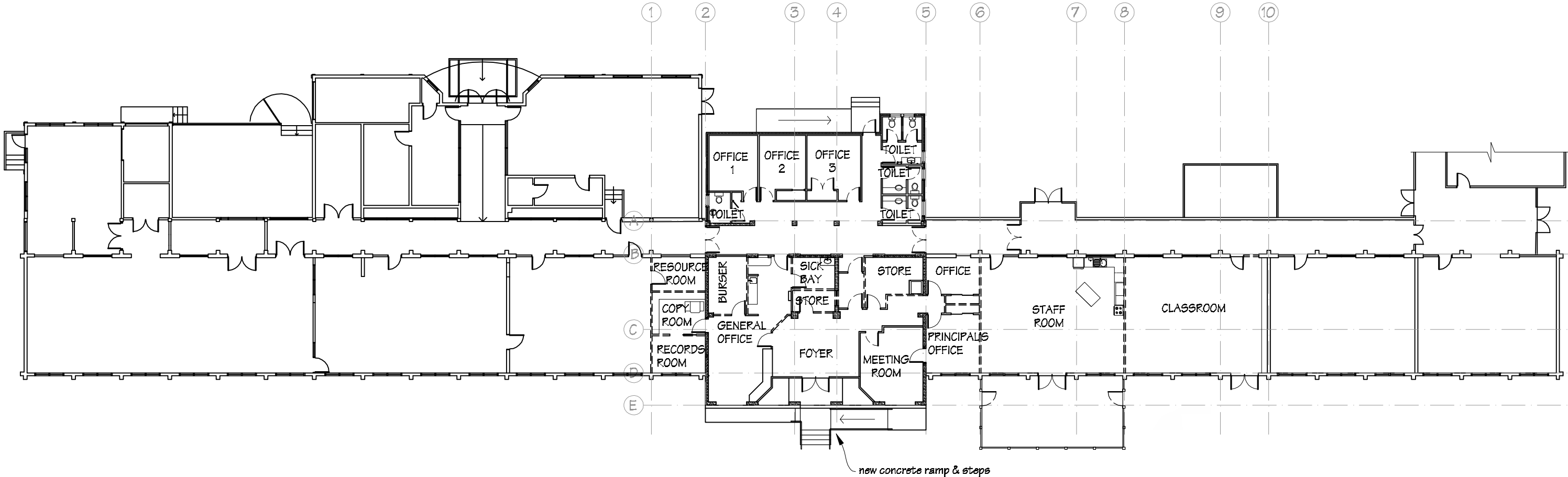
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Check all dimensions on site.*


GROUND FLOOR PLAN

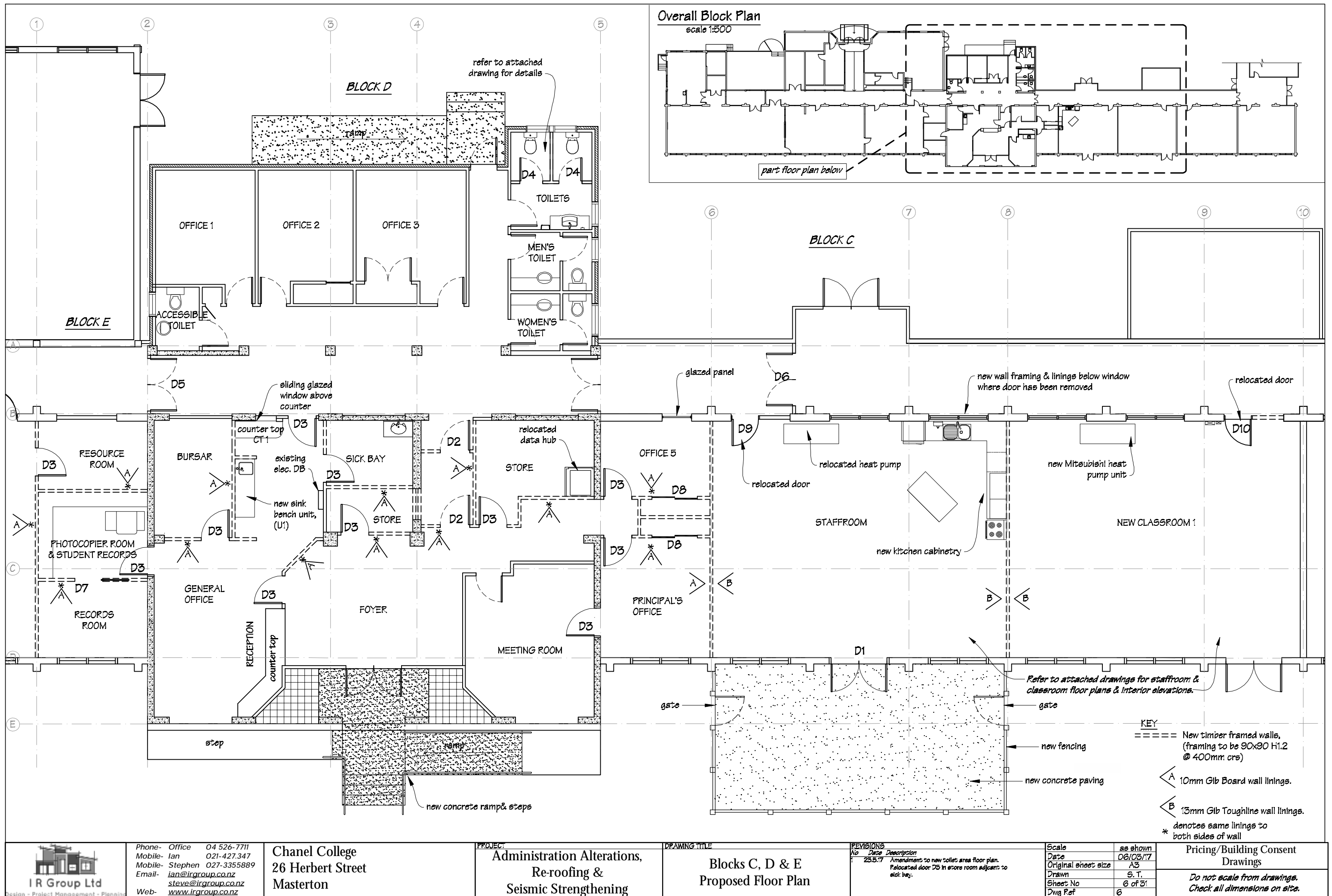
BLOCK E

BLOCK D

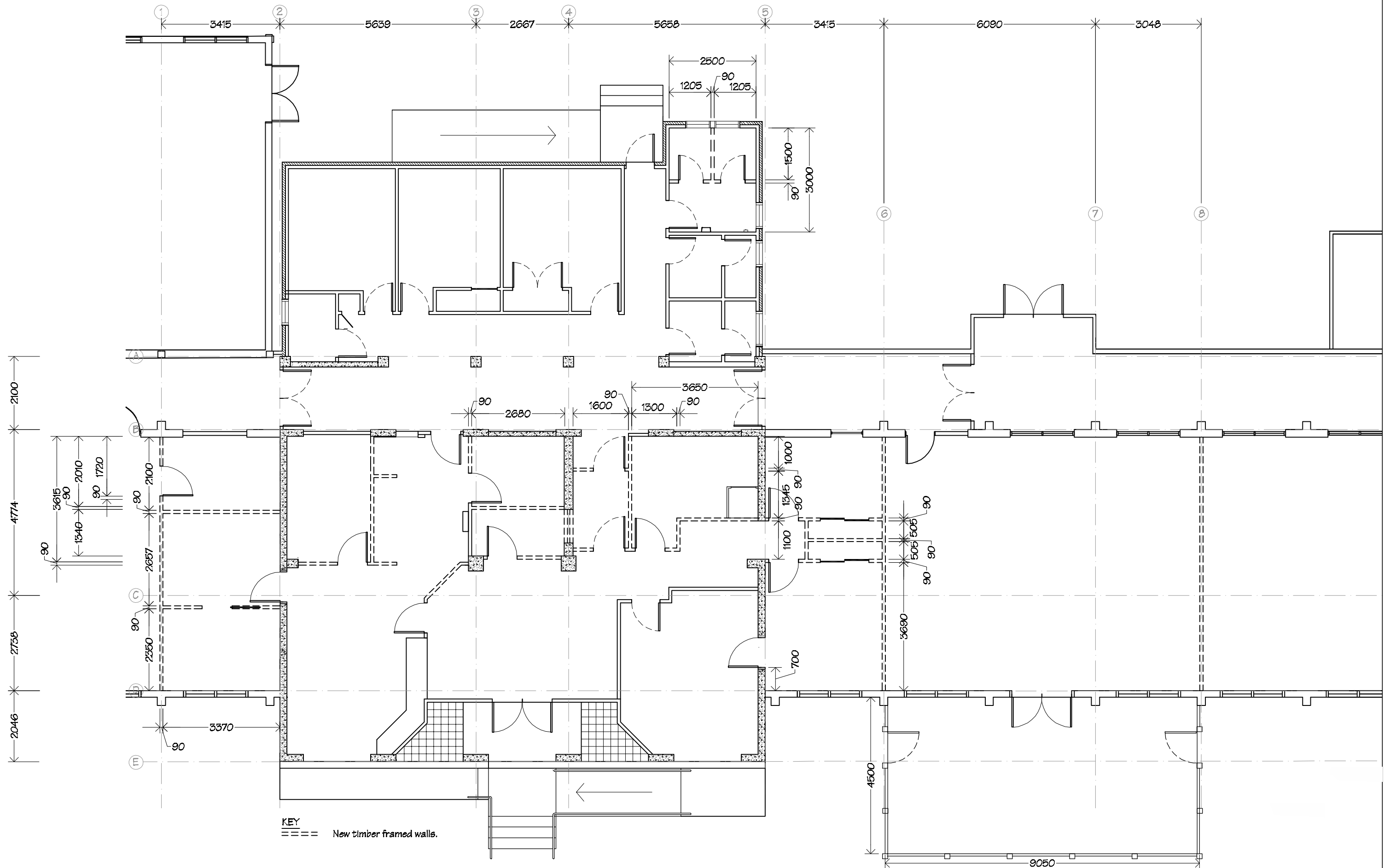
BLOCK C




 IR Group Ltd <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	Chanel College 26 Herbert Street Masterton	PROJECT Administration Alterations, Re-roofing & Seismic Strengthening	DRAWING TITLE Proposed Overall Floor Plan	REVISIONS <table><tr><th>No</th><th>Date</th><th>Description</th></tr><tr><td>1</td><td>25.5.17</td><td>Amendment to new toilet area floor plan.</td></tr></table>	No	Date	Description	1	25.5.17	Amendment to new toilet area floor plan.	Scale	1:250	Pricing/Building Consent Drawings
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	Mobile- Ian 021-427.347					Date	06/05/17							
	Mobile- Stephen 027-3355889					Original sheet size	A3	<i>Do not scale from drawings. Check all dimensions on site.</i>						
	Email- ian@irgroup.co.nz					Drawn	S. T.							
	steve@irgroup.co.nz					Sheet No	5 of 31							
www.irgroup.co.nz	Dwg Ref	5												
Web-														

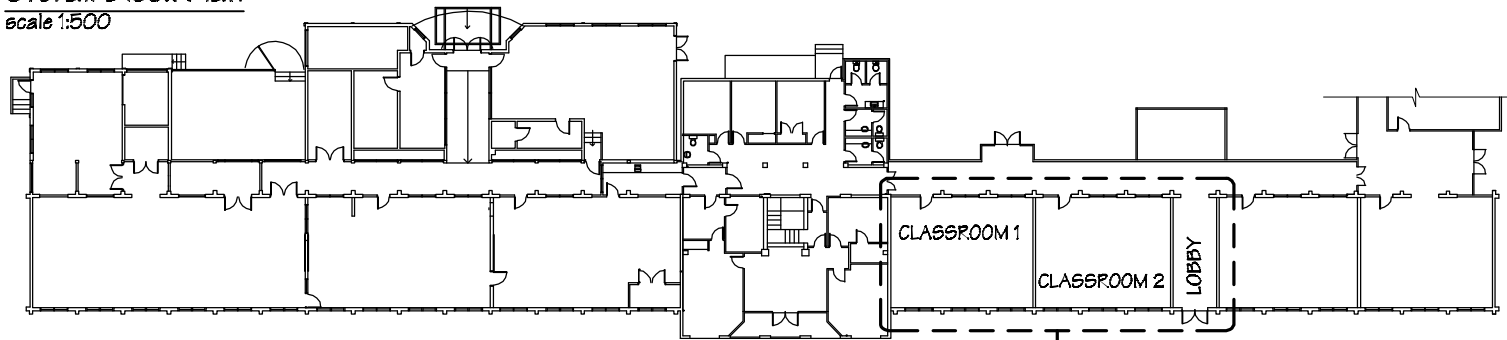






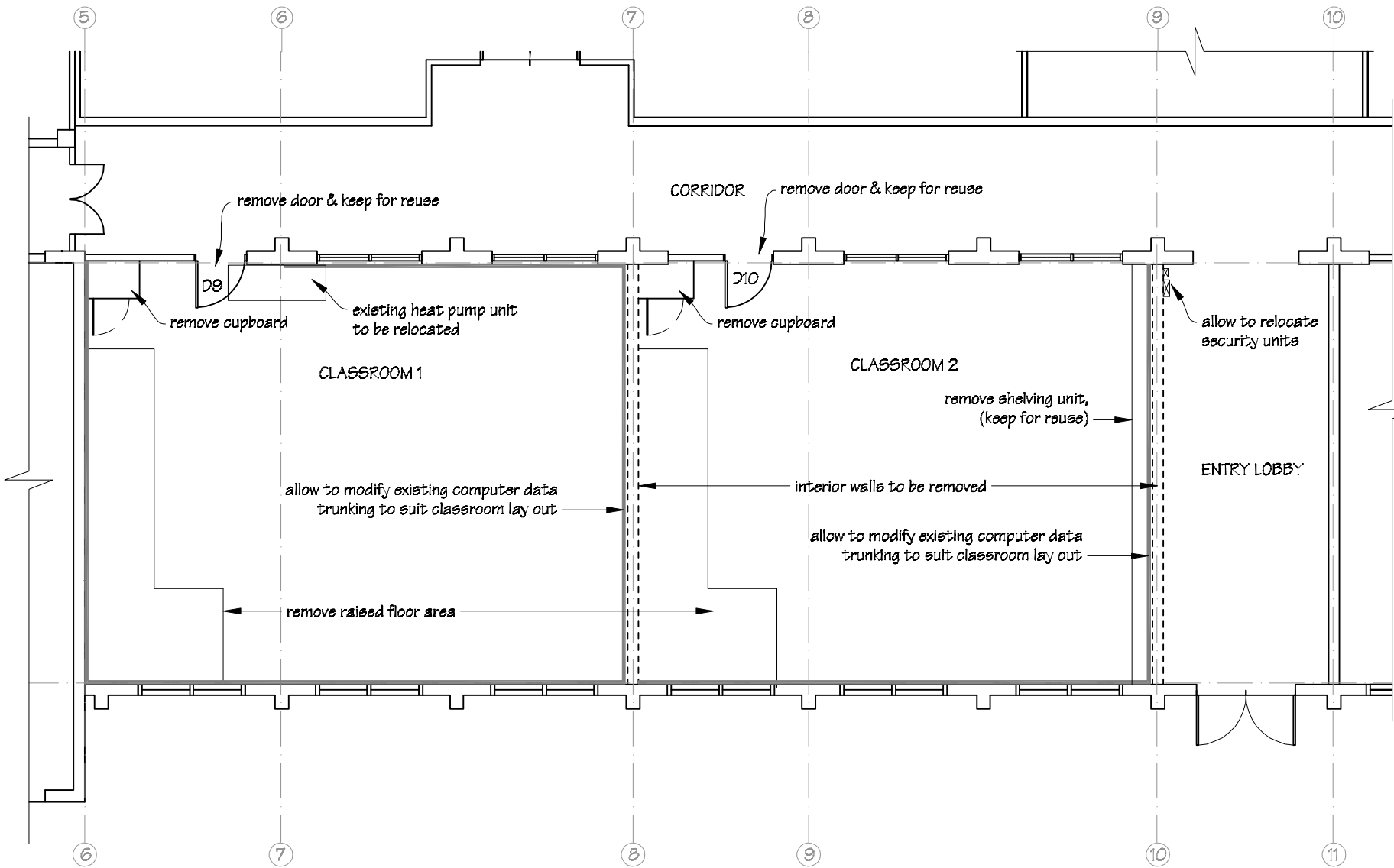
 <b>IR Group Ltd</b> <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	<b>Chanel College</b> 26 Herbert Street Masterton	<b>PROJECT</b> Administration Alterations, Re-roofing & Seismic Strengthening	<b>DRAWING TITLE</b> Dimension Plan	<table><tr><th colspan="3">REVISIONS</th></tr><tr><th>No.</th><th>Date</th><th>Description</th></tr><tr><td>1</td><td>25.5.17</td><td>Amendment to new toilet area floor plan.</td></tr></table>	REVISIONS			No.	Date	Description	1	25.5.17	Amendment to new toilet area floor plan.	Scale 1:100	<b>Pricing/Building Consent Drawings</b>
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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 7 of 31															
Web- www.irgroup.co.nz	Dwg Ref 7	<i>Do not scale from drawings. Check all dimensions on site.</i>														

Overall Block Plan  
scale 1:500




Block C part floor plan below

Block C Classrooms  
Existing Floor Plans  
scale 1:100

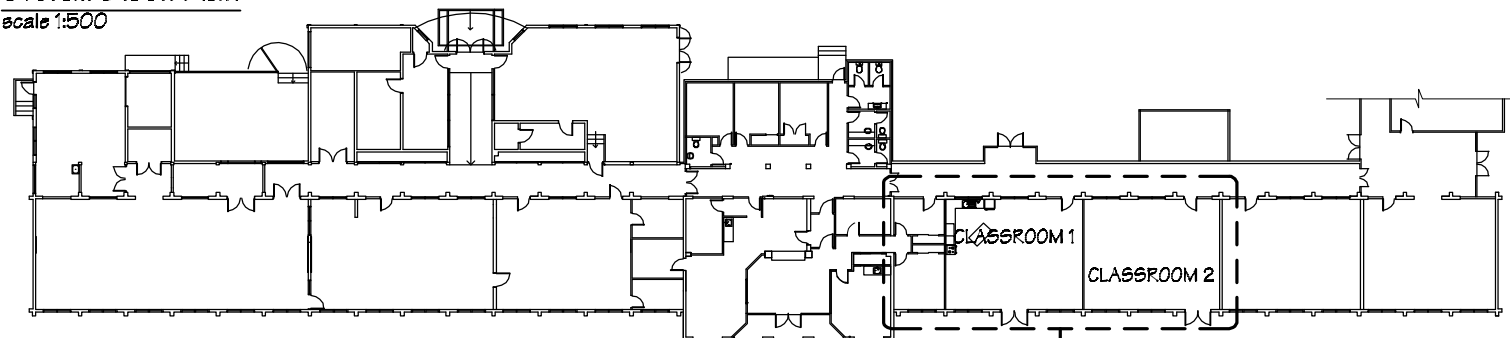


**Classroom 1 & 2 and Entry Lobby  
Demolition notes:**

- Allow to remove the following:-
- Uplift carpets.
  - Heaters, (keep for reuse).
  - Pin boards.
  - All Skirting boards.
  - Timber trim around pin boards.
  - Whiteboards, (keep for reuse).
  - Built in shelving units, (keep for reuse).
  - Data projectors, (keep for reuse).
  - Light fittings in entry lobby.

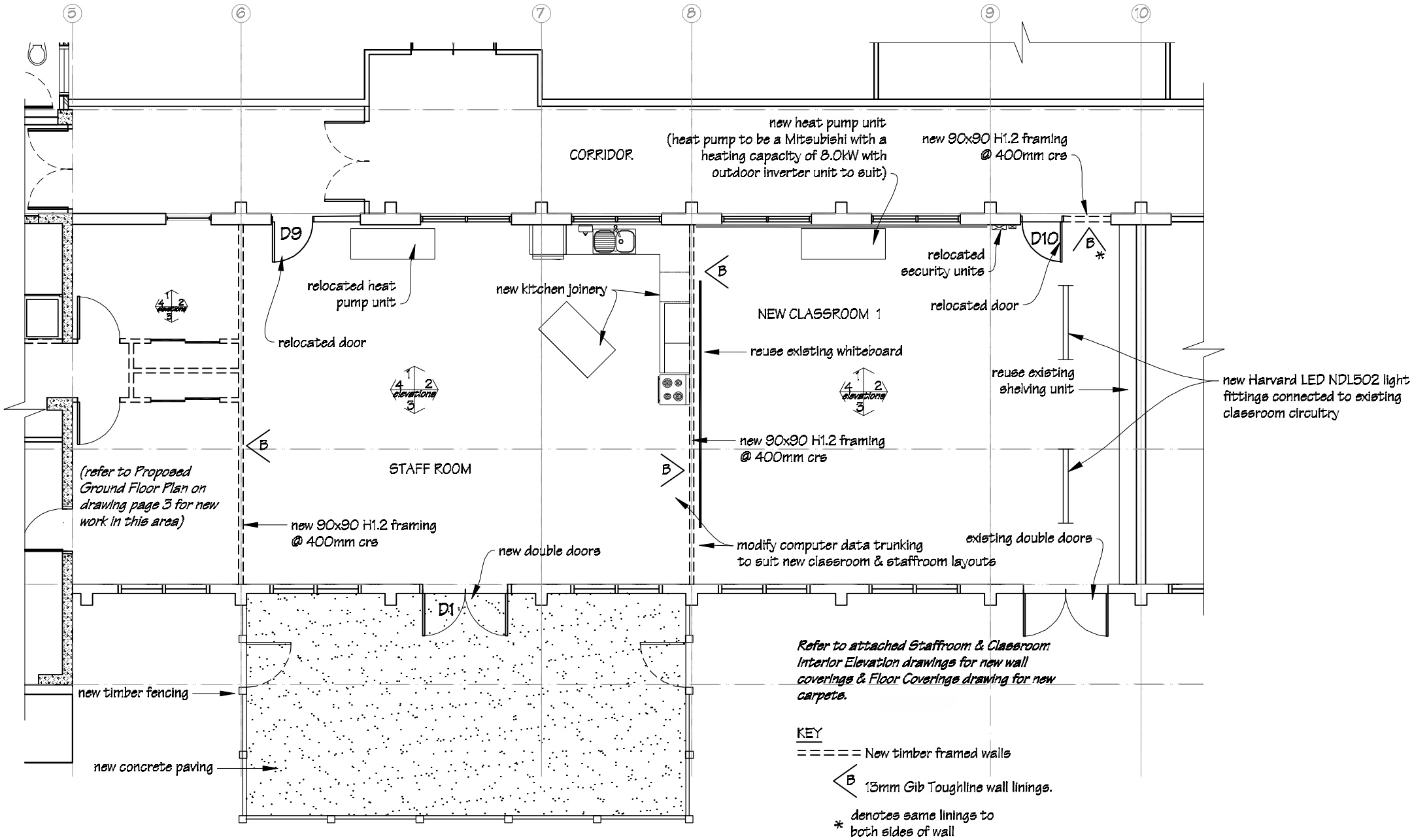
 IR Group Ltd <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711 Mobile- Ian 021-427.347 Mobile- Stephen 027-3355889 Email- <a href="mailto:ian@irgroup.co.nz">ian@irgroup.co.nz</a> <a href="mailto:steve@irgroup.co.nz">steve@irgroup.co.nz</a> Web- <a href="http://www.irgroup.co.nz">www.irgroup.co.nz</a>	Chanel College 26 Herbert Street Masterton	PROJECT Administration Alterations, Re-roofing & Seismic Strengthening	DRAWING TITLE Block C Classrooms Existing Floor Plan	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 as shown Date 06/05/17 Original sheet size A3 Drawn S. T. Sheet No B of 31 Dwg Ref 8	Pricing/Building Consent Drawings  Do not scale from drawings. Check all dimensions on site.
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Overall Block Plan  
scale 1:500

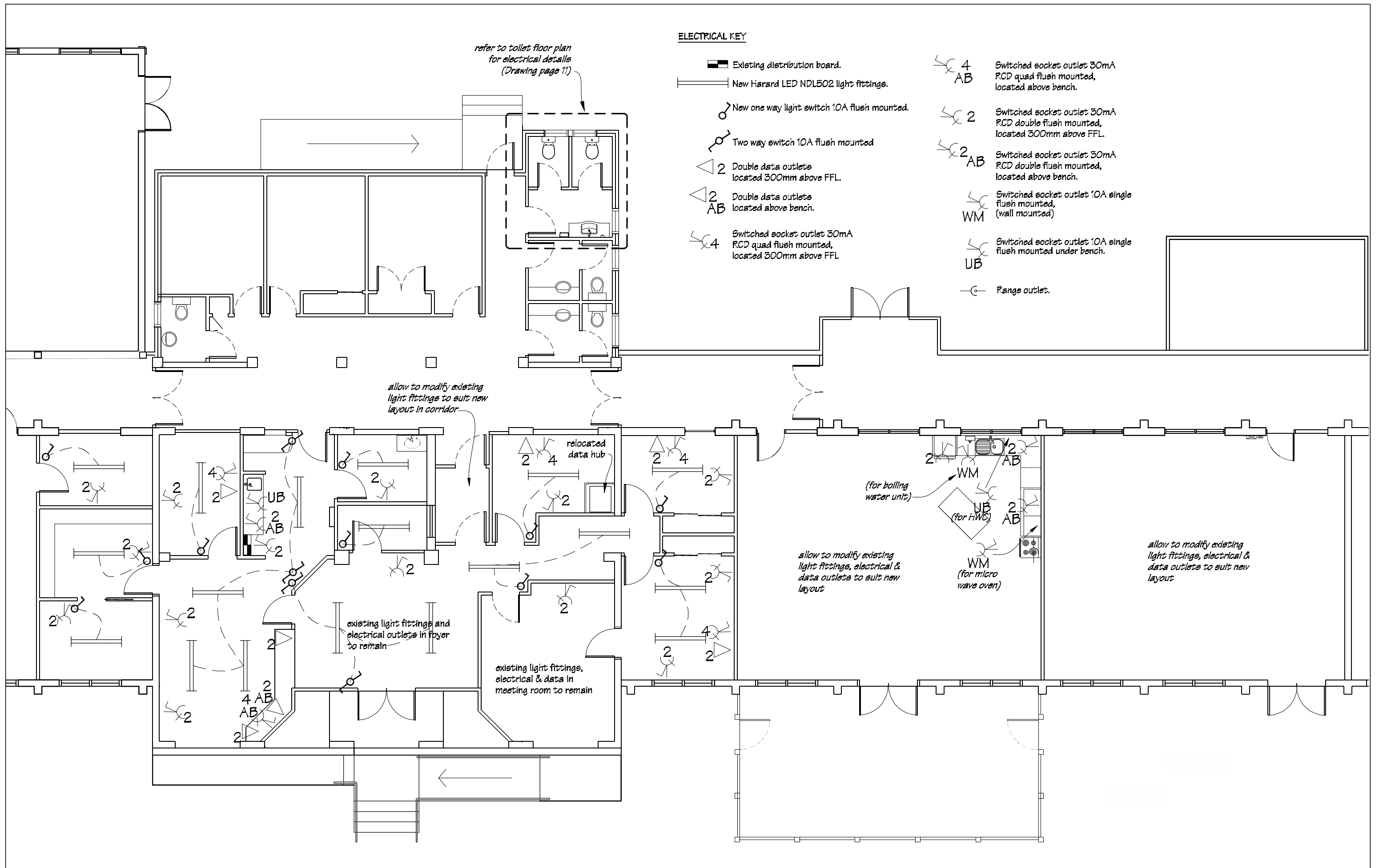


Block C part floor plan below

Block C Classrooms  
Proposed Floor Plans  
scale 1:100




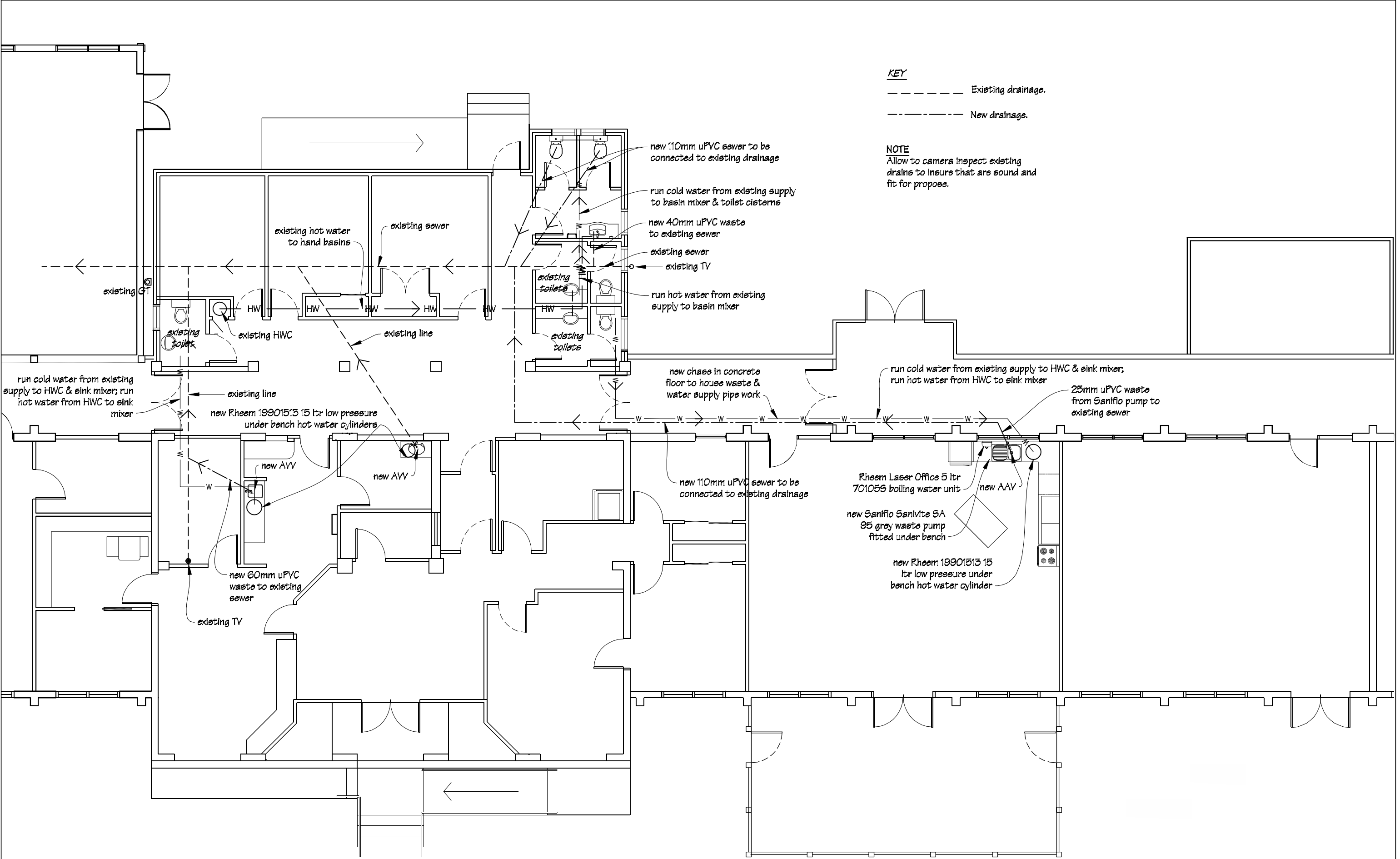
 IR Group Ltd Design - Project Management - Planning	Phone- Office 04 526-7711 Mobile- Ian 021-427.347 Mobile- Stephen 027-3355889 Email- <a href="mailto:ian@irgroup.co.nz">ian@irgroup.co.nz</a> <a href="mailto:steve@irgroup.co.nz">steve@irgroup.co.nz</a> Web- <a href="http://www.irgroup.co.nz">www.irgroup.co.nz</a>	Chanel College 26 Herbert Street Masterton	PROJECT Administration Alterations, Re-roofing & Seismic Strengthening	DRAWING TITLE Block C Staffroom & Classroom Proposed Floor Plan	REVISIONS No Description	Scale	as shown	Pricing/Building Consent Drawings  Do not scale from drawings. Check all dimensions on site.
						Date	06/03/17	
						Original sheet size	A3	
						Drawn	S.T.	
						Sheet No	9 of 31	
						Dwg Ref	9	




ELECTRICAL KEY

- Existing distribution board.
- New Harard LED NDL502 light fittings.
- New one way light switch 10A flush mounted.
- Two way switch 10A flush mounted
- 2 Double data outlets located 300mm above FFL.
- 2 AB Double data outlets located above bench.
- 4 Switched socket outlet 30mA RCD quad flush mounted, located 300mm above FFL.
- 4 AB Switched socket outlet 30mA RCD quad flush mounted, located above bench.
- 2 Switched socket outlet 30mA RCD double flush mounted, located 300mm above FFL.
- 2 AB Switched socket outlet 30mA RCD double flush mounted, located above bench.
- WM Switched socket outlet 10A single flush mounted, (wall mounted)
- UB Switched socket outlet 10A single flush mounted under bench.
- Range outlet.

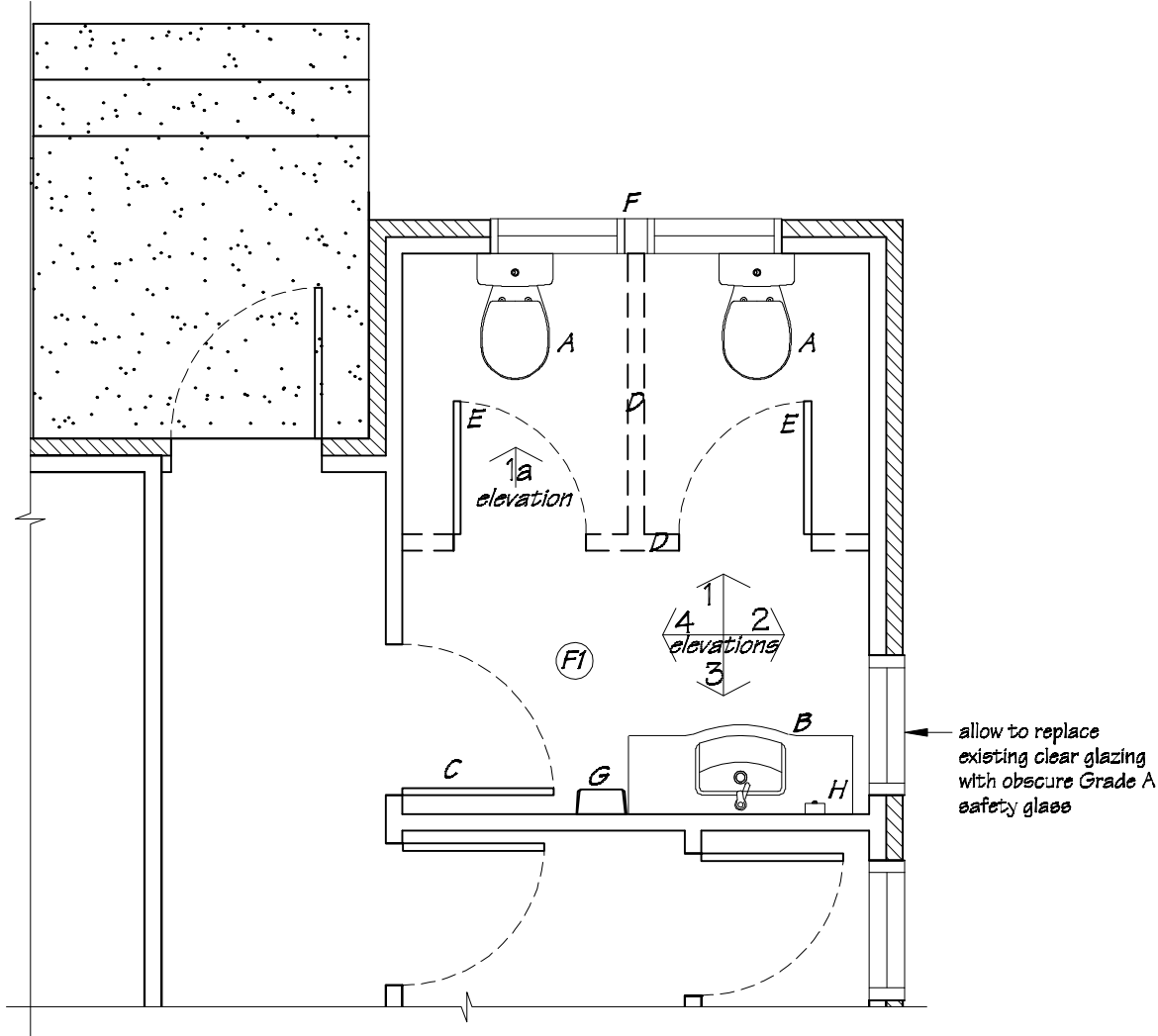
 IR Group Ltd Design - Project Management - Planning	Phone- Office 04 526-7711	Chanel College 26 Herbert Street Masterton	PROJECT Administration Alterations, Re-roofing & Seismic Strengthening	DRAWING TITLE Electrical Plan	REVISIONS <i>No Date Description</i>	Scale	1:100	Pricing/Building Consent Drawings
	Mobile- Ian 021-427.347					Date	06/03/17	
	Mobile- Stephen 027-3355889					Original sheet size	A3	<i>Do not scale from drawings. Check all dimensions on site.</i>
	Email- <a href="mailto:ian@irgroup.co.nz">ian@irgroup.co.nz</a>					Drawn	S. T.	
	<a href="mailto:steve@irgroup.co.nz">steve@irgroup.co.nz</a>					Sheet No	10 of 31	
	<a href="http://www.irgroup.co.nz">www.irgroup.co.nz</a>					Dwg Ref	10	
Web-								



 IR Group Ltd <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	Chanel College 26 Herbert Street Masterton	PROJECT Administration Alterations, Re-roofing & Seismic Strengthening	DRAWING TITLE  Services Plan	REVISIONS <table><tr><th>No</th><th>Date</th><th>Description</th></tr><tr><td>1</td><td>23.5.17</td><td>Revised plumbing lay-out.</td></tr></table>	No	Date	Description	1	23.5.17	Revised plumbing lay-out.	Scale 1:100	Pricing/Building Consent Drawings
	No					Date	Description						
	1					23.5.17	Revised plumbing lay-out.						
	Mobile- Ian 021-427.347					Date 06/05/17							
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Email- ian@irgroup.co.nz	Drawn S.T.												
steve@irgroup.co.nz	Sheet No 11 of 31												
Web- www.irgroup.co.nz	Dwg Ref 11												



Proposed Floor Plan  
scale 1:40



NOTES  
Allow to run cold water from existing supply to hand basins & toilet cisterns  
Allow to run hot water from existing supply to hand basin mixers.  
Connect toilet, hand basin & shower wastes to existing drainage, (refer to attached Services Plan).

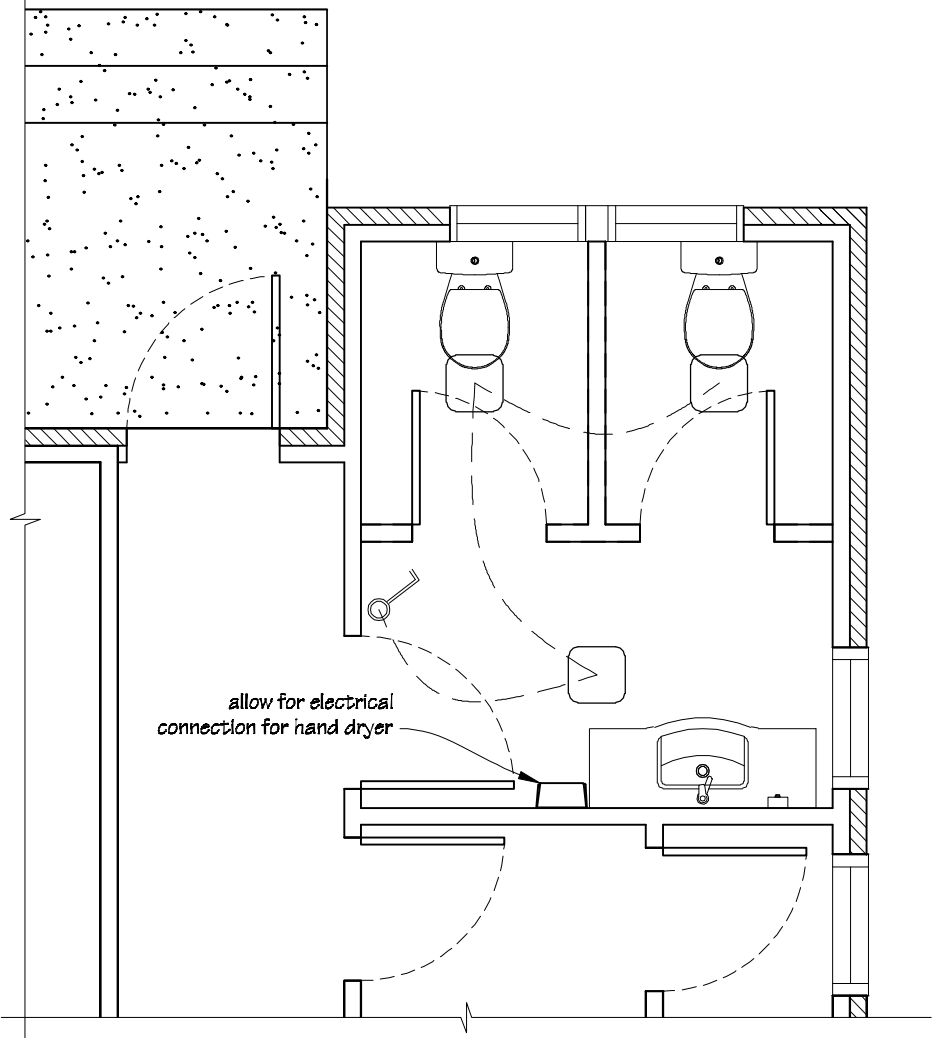
- LEGEND
- A Caroma Venecia wall faced toilet suite.
  - B Clearite Sumner 1200mm vanity with Methven Futura basin mixer.
  - C Existing door, (allow to replace glass panel with ply wood to suit).
  - D New 90x45 H1.2 timber framed full height walls.
  - E New doors D4, (refer to attached Door Schedule drawing).
  - F New aluminium insert windows to replace existing, (refer Toilet Elevation drawing for details).
  - G Supreme Master Air BA404 electric hand dryer.
  - H Supreme soap dispenser HAF82B.

FLOOR FINISHES  
F1 Tarkett Granit vinyl flooring, coved to 150mm.

INTERIOR LININGS  
Ceiling linings to be 13mm Gib Board.  
Wall linings to be 10mm Gib Board.  
All new Gib Board to be stopped to F4 finish.

PAINTING  
Paint ceiling, walls, timber door & frame, timber window frames, architraves & scotias.

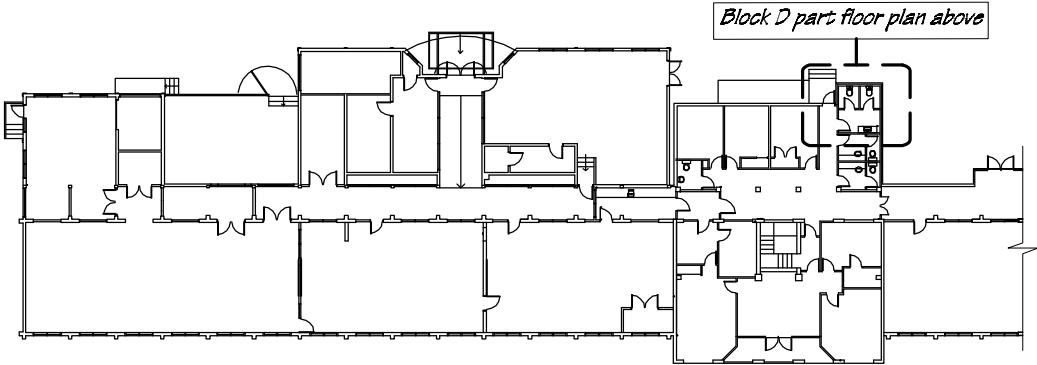
Electrical Plan  
scale 1:40



ELECTRICAL LEGEND

- Thorn 2D light fitting.
- One way switch 10A flush mounted.

Overall Block Plan  
scale 1:500



scale 1:100

ACCESSIBLE  
TOILET

Scale 1:5



+CLASSROOM 1+



IR Group Ltd

Chanel College  
26 Herbert Street  
Masterton

PROJECT	Administration Alterations, Re-roofing & Seismic Strengthening
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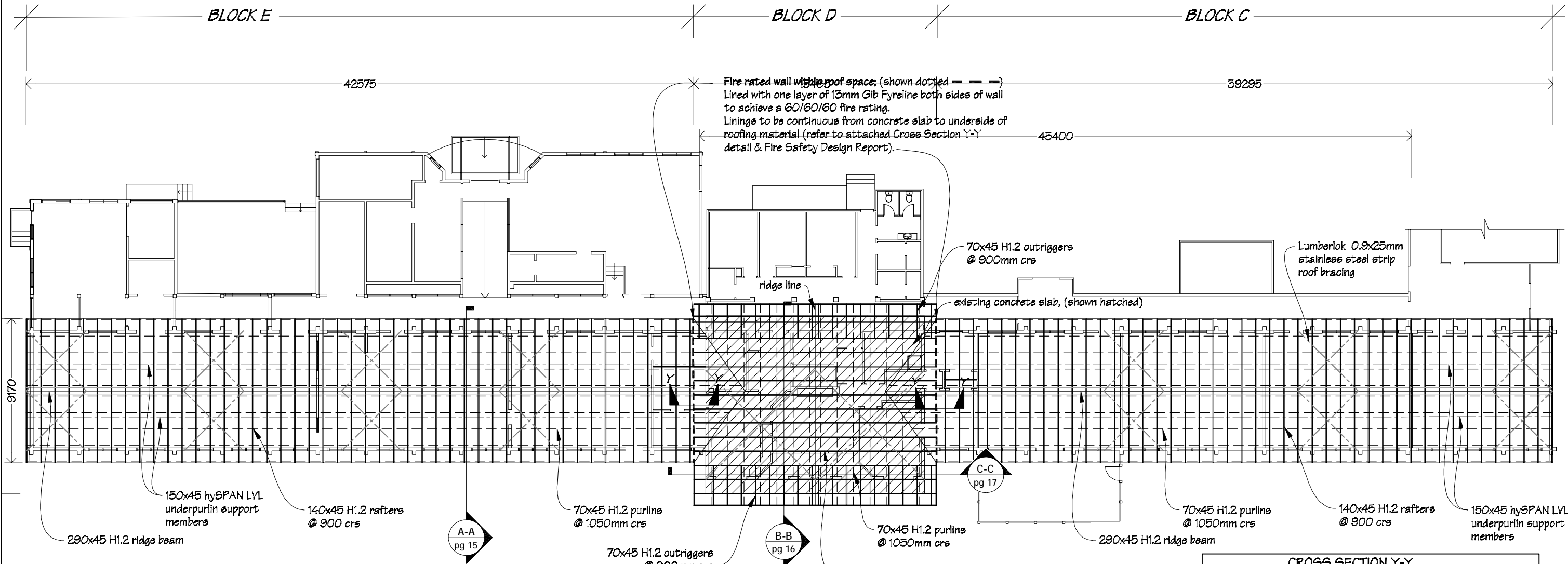
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REVISIONS		
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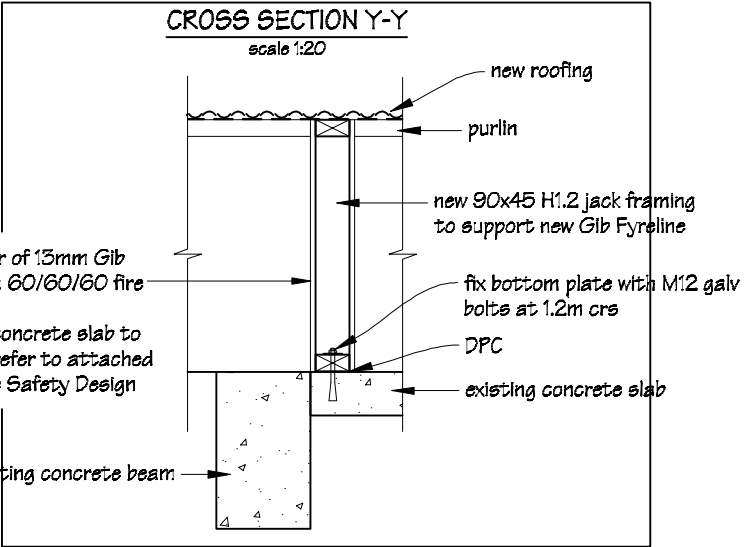
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Sheet No	13 of 31
Dwg Ref	13


Pricing/Building Consent  
Drawings  
*Do not scale from drawings.  
Check all dimensions on site.*

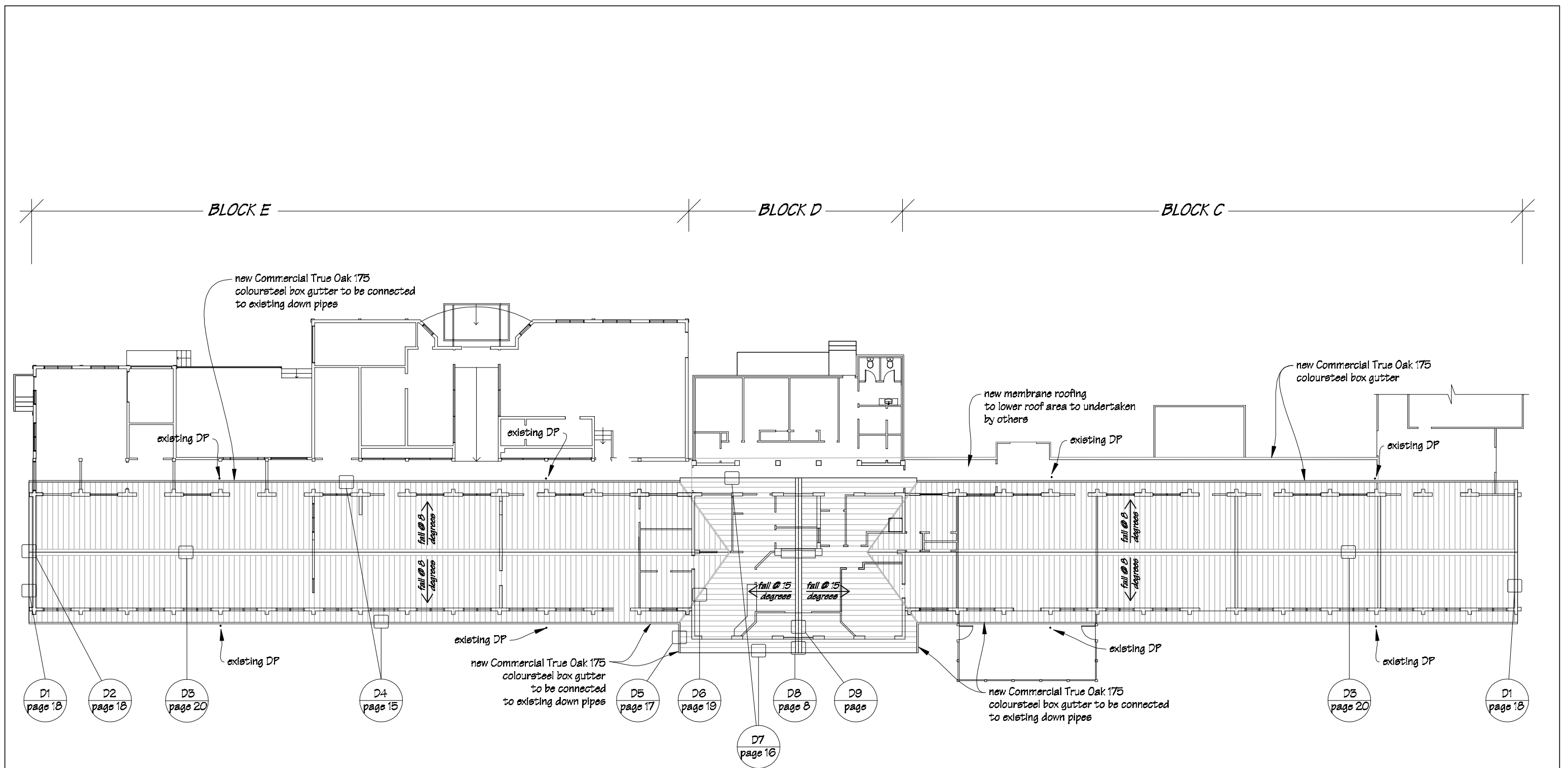
NOTE:  
Drawing to be read in conjunction with  
attached Vishnu Fire Safety Design  
Report.



NOTE:  
Purlin fixings to be 1/14g self-drilling type 17 screw, 100mm long.




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						Date 06/05/17 Original sheet size A3 Drawn S.T. Sheet No 14 of 31 Dwg Ref 14	

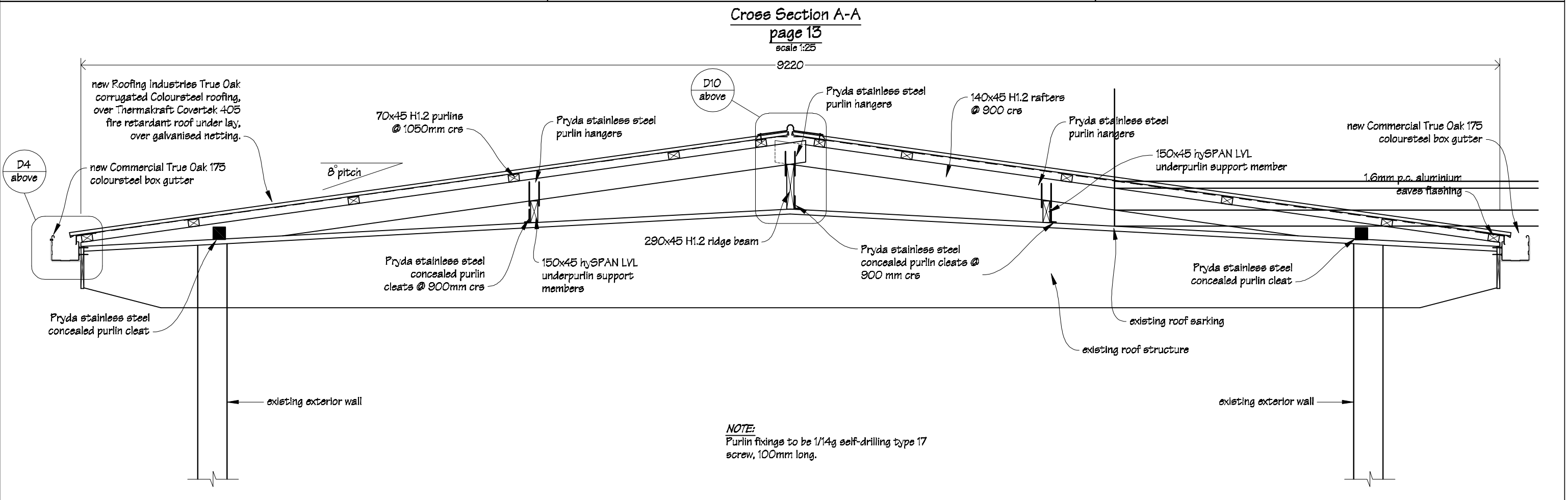
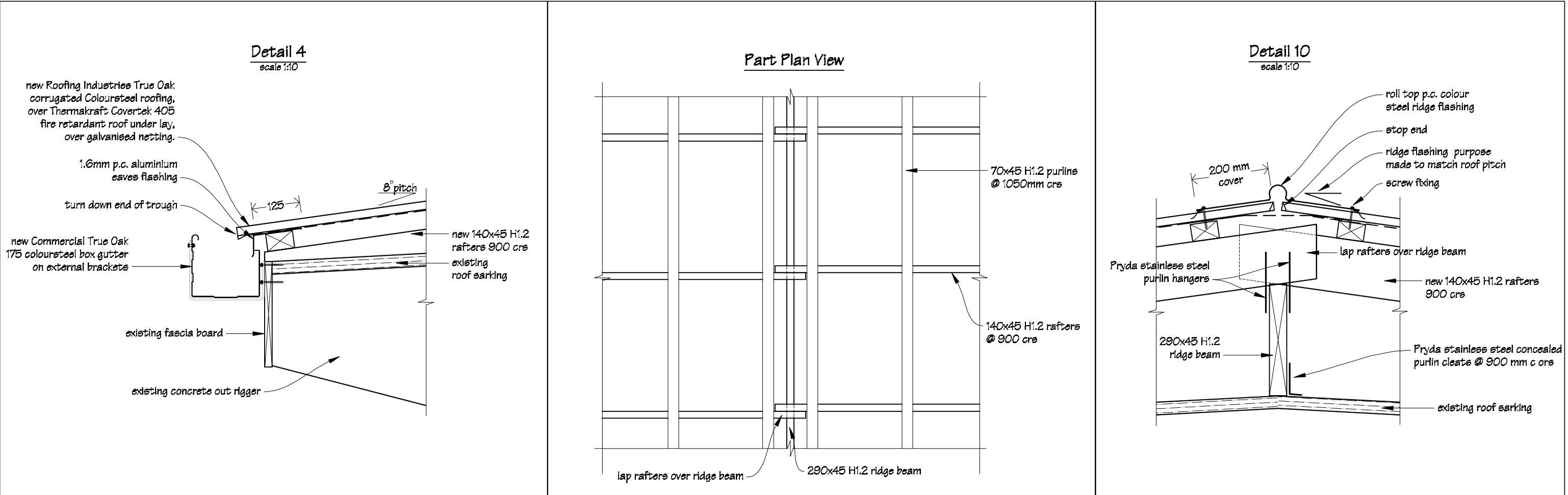



KEY



New Roofing Industries True Oak corrugated Coloursteel roofing, over Thermakraft Covertex 405 fire retardant roof under lay, over galvanised netting.

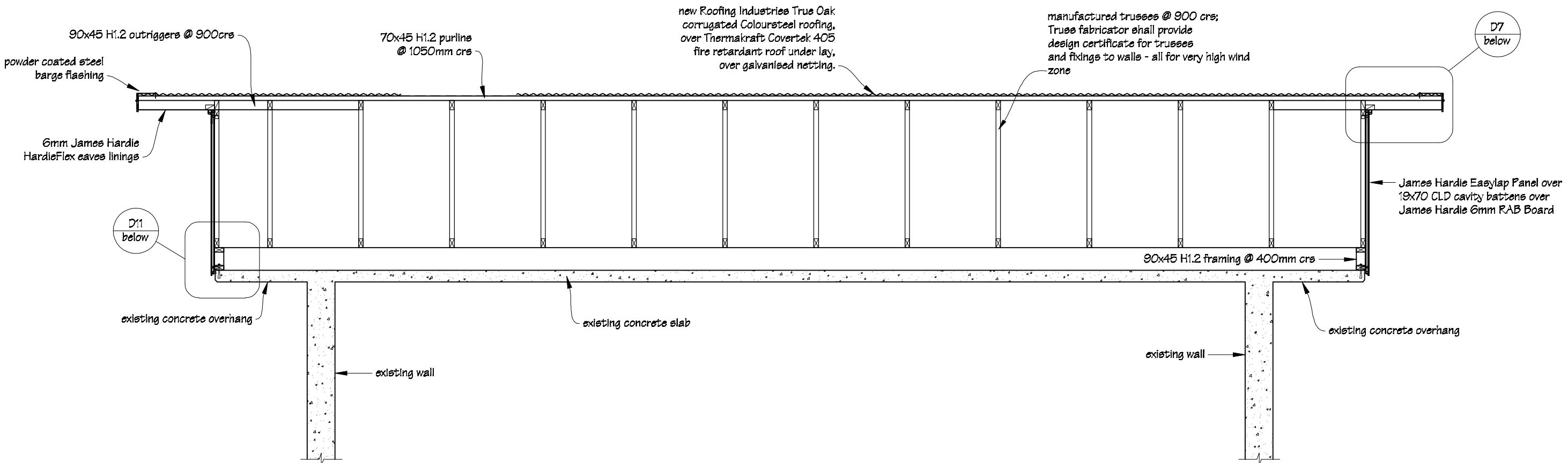
 <p>IR Group Ltd</p>	<p>Phone- Office 04 526-7711 Mobile- Ian 021-427.347 Mobile- Stephen 027-3355889 Email- <a href="mailto:ian@irgroup.co.nz">ian@irgroup.co.nz</a> <a href="mailto:steve@irgroup.co.nz">steve@irgroup.co.nz</a> Web- <a href="http://www.irgroup.co.nz">www.irgroup.co.nz</a></p>	<p><b>Chancel College</b> 26 Herbert Street Masterton</p>	<p>PROJECT <b>Administration Alterations, Re-roofing &amp; Seismic Strengthening</b></p>	<p>DRAWING TITLE <b>Proposed Roofing Plan</b></p>	<p>REVISIONS No Date Description</p>	<p>Scale 1:250 Date 06/03/17 Original sheet size A3 Drawn S.T. Sheet No 15 of 31 Dwg Ref 15</p>	<p>Pricing/Building Consent Drawings <i>Do not scale from drawings. Check all dimensions on site.</i></p>
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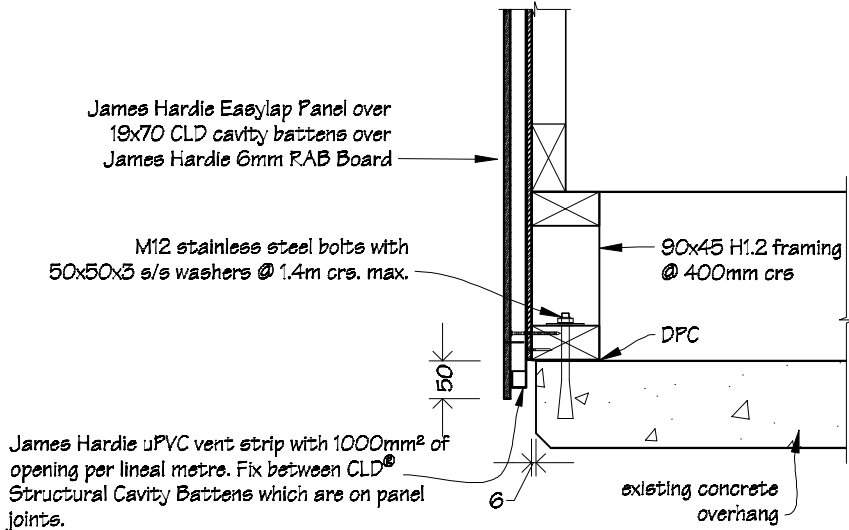


Cross Section B-B  
page 13  
scale 1:40

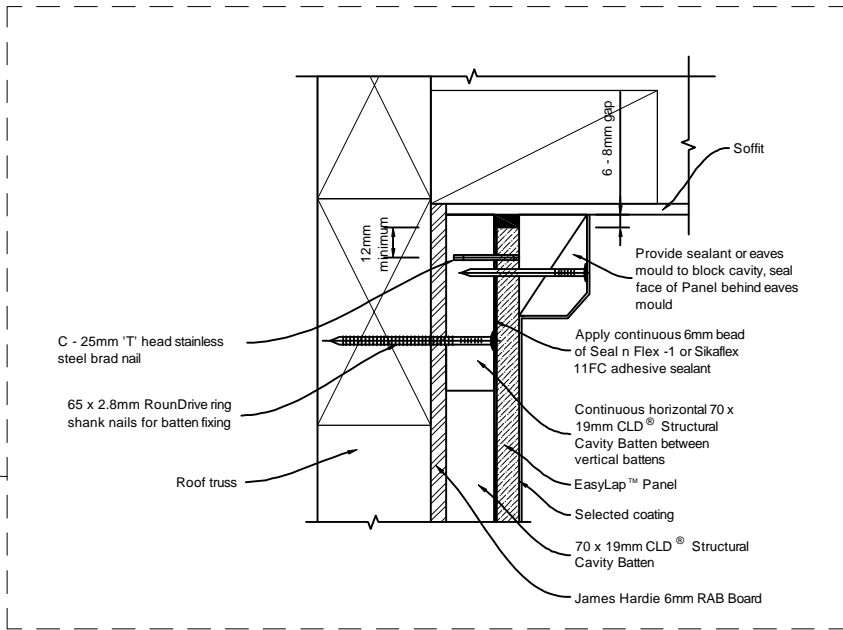
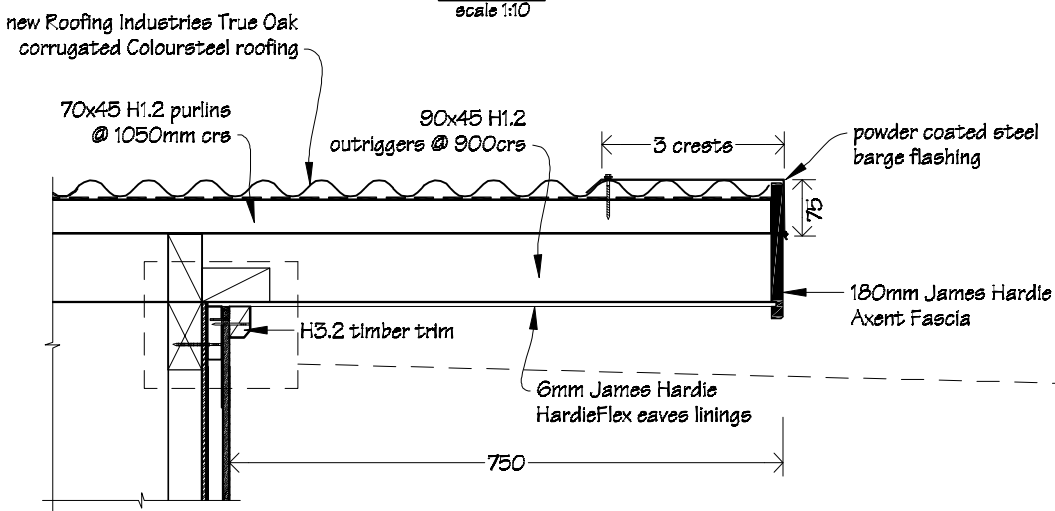



Cross Section B-B Details

Detail 11  
scale 1:10

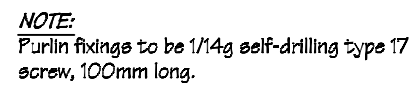


Detail 7  
scale 1:10

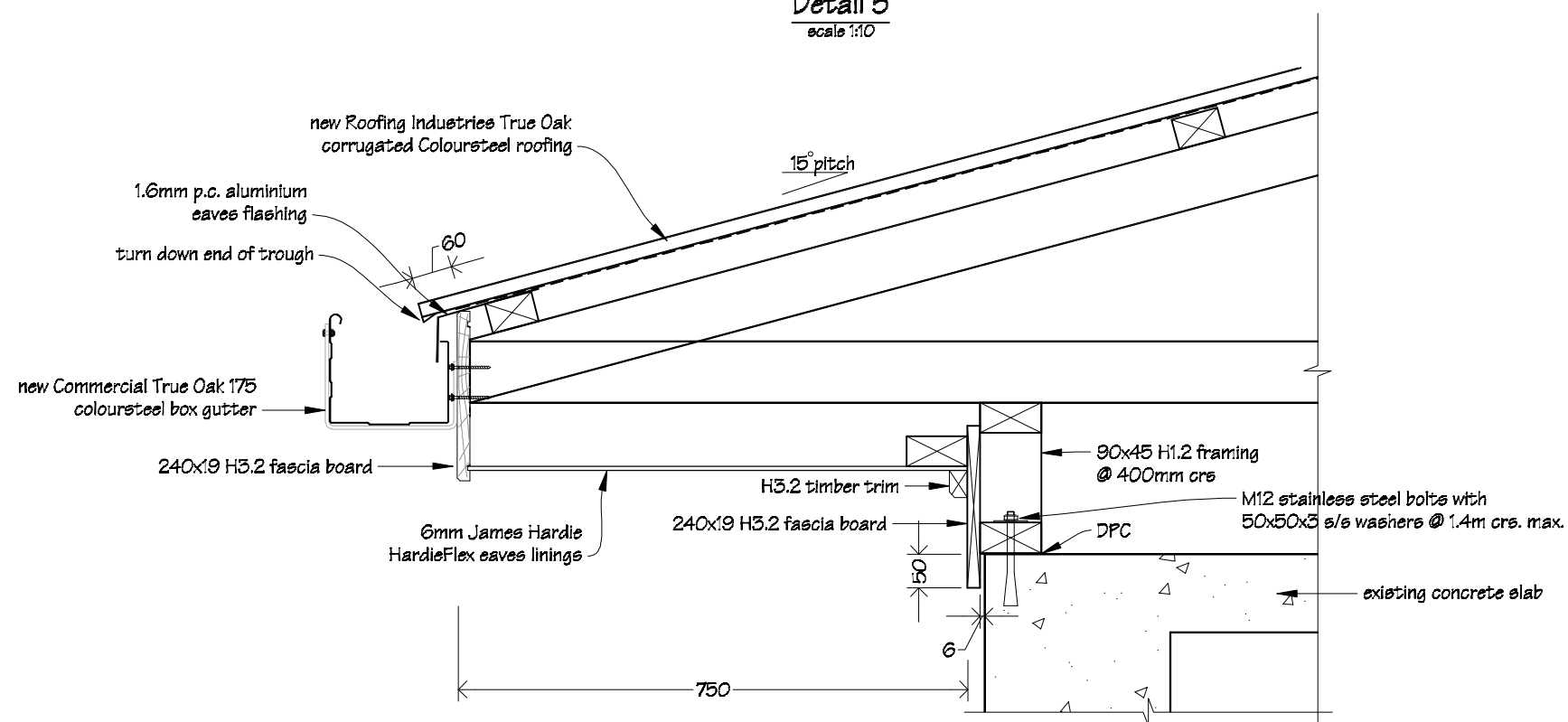


 IR Group Ltd Design - Project Management - Planning	Phone- Office 04 526-7711 Mobile- Ian 021-427.347 Mobile- Stephen 027-3355889 Email- ian@irgroup.co.nz steve@irgroup.co.nz Web- www.irgroup.co.nz	PROJECT Administration Alterations, Re-roofing & Seismic Strengthening	DRAWING TITLE Roof Cross Section B-B & Details	REVISIONS No Description	Scale	as shown	Pricing/Building Consent Drawings  Do not scale from drawings. Check all dimensions on site.
					Date	06/05/17	
					Original sheet size	A3	
					Drawn	S.T.	
					Sheet No	17 of 31	
					Dwg Ref	17	

page 13  
scale 1:40



scale 1:10



Chanel College  
26 Herbert Street  
Masterton

PROJECT  
Administration Alterations,  
Re-roofing &  
Seismic Strengthening

DRAWING TITLE
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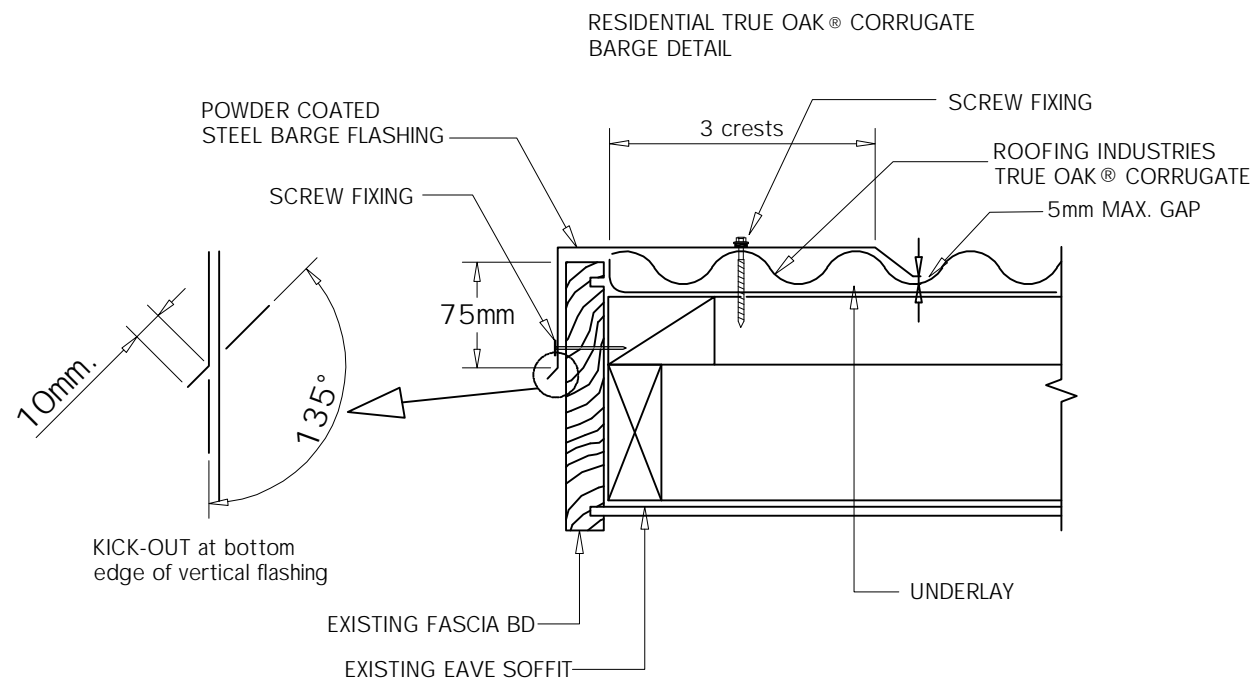
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No	Date	Description

Scale	as shown
Date	06/03/17
Original sheet size	A3
Drawn	S. T.
Sheet No	18 of 31
Dwg Ref	18

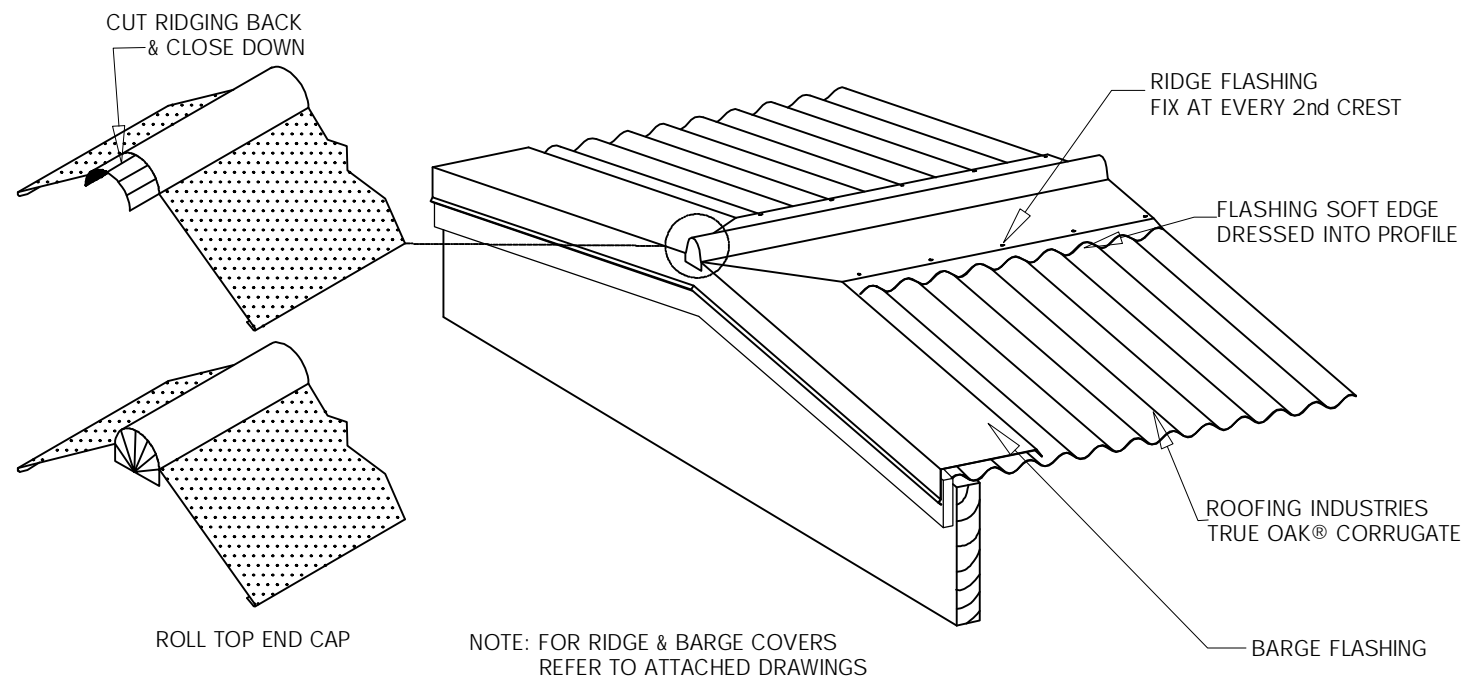
## Pricing/Building Consent Drawings


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

Detail 1  
scale 1:10



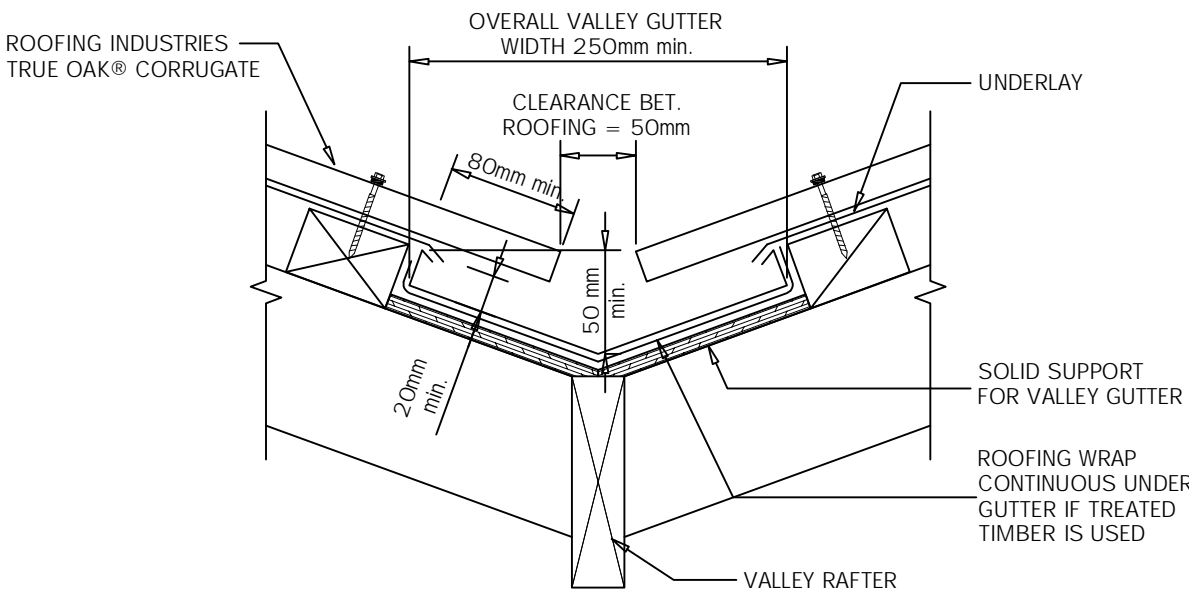
Detail 2  
scale 1:10



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	Mobile- Stephen 027-3355889					Original sheet size	A3	<i>Do not scale from drawings. Check all dimensions on site.</i>						
	Email- ian@irgroup.co.nz					Drawn	S. T.							
	steve@irgroup.co.nz					Sheet No	19 of 31							
www.irgroup.co.nz	Dwg Ref	19												
Web-														

Detail 6  
scale 1:10

RESIDENTIAL TRUE OAK® CORRUGATE  
VALLEY DETAIL (E2/AS1 Compliance)



VALLEY GUTTER TRUE OAK® CORRUGATED PROFILE  
1:5

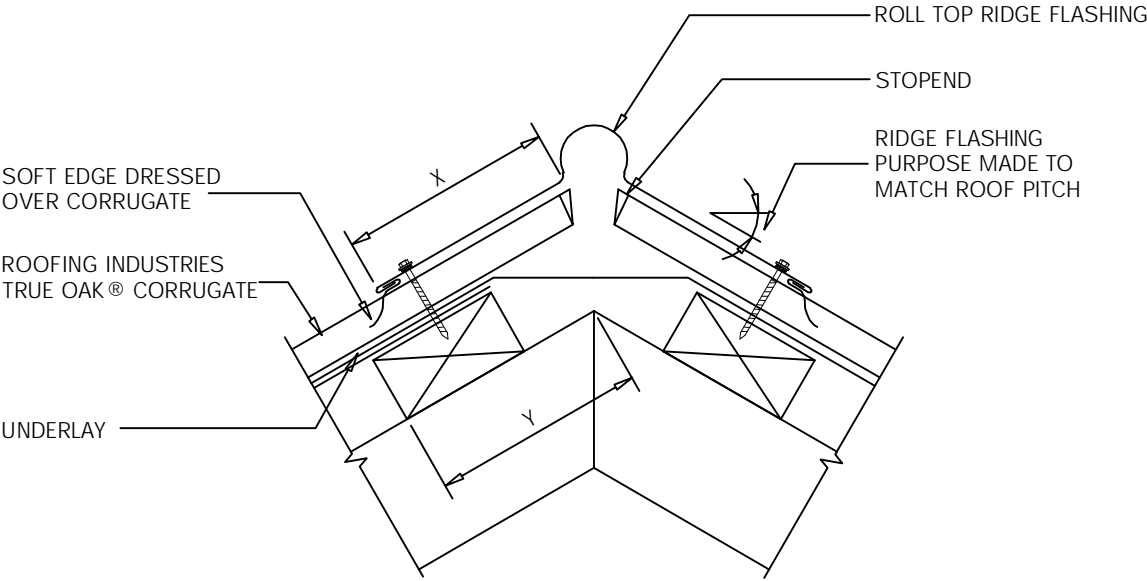
- NOTES:
- These details are generally in compliance with E2/AS1 and/or the NZ Metal Roof & Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'.
  - The building designer is ultimately responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
  - Details of the supporting structure including cavity battens are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity battens may be required.
  - Underlay selection and building wrap types are the responsibility of the designer. Netting or other support is generally required at roof pitches less than 8 degrees combined with a self supporting paper. At roof pitches of 8° and above where non self supporting paper is used or purlin spacing is in excess of self supporting criteria, netting or other support should be used. Alternative support to netting should be used in severe coastal environments including when aluminium is used.
  - These details are for Roofing Industries profile/s as nominated and may not be applicable to other profiles.
  - This drawing is the copyright of 'Roofing Industries' and can only be copied or reproduced with their permission.
  - Further information can be obtained from the NZ Metal Roof & Wall Cladding Code of Practice [www.metalroofer.org.nz](http://www.metalroofer.org.nz) or E2/AS1

DETAIL NO. RTCR006A  
DATE DRAWN 20/01/14  
FILE REFERENCE RTCR006A.DWG

GUTTER WIDTH	MAXIMUM CATCHMENT AREA	MIN ROOF PITCH (4)
250mm	25m2	8°
160-249mm	16m2	12.5°

- NOTES:
- (1) GUTTERS IN ACCORDANCE WITH NEW ZEALAND BUILDING CODE
  - (2) RAINFALL INTENSITY WITH AVERAGE RECURRENCE INTERVAL (ARI) NO GREATER THAN 200 mm PER HOUR
  - (3) MINIMUM WIDTH OF VALLEY GUTTER MAY REDUCE TO 160mm, PROVIDING ROOF CATCHMENT AREA IS IN ACCORDANCE WITH THE TABLE ABOVE. IN THIS CASE, COVER OF ROOF CLADDING OVER GUTTER SHALL BE REDUCED TO 60 mm TO PROVIDE A CLEARANCE GAP OF 40mm.
  - (4) FOR ROOF PITCHES 8° OR GREATER. FOR LESSOR PITCHES USE INTERNAL GUTTER.

RESIDENTIAL TRUE OAK® CORRUGATE  
RIDGE AND HIP FLASHING  
(Roll Top)



ROLL TOP VERSION TRUE OAK® CORRUGATED PROFILE  
1:5

NOTES:

- These details are generally in compliance with E2/AS1 and/or the NZ Metal Roof & Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'.
- The building designer is ultimately responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
- Details of the supporting structure including cavity battens are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity battens may be required.
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- These details are for Roofing Industries profile/s as nominated and may not be applicable to other profiles.
- This drawing is the copyright of 'Roofing Industries' and can only be copied or reproduced with their permission.
- Further information can be obtained from the NZ Metal Roof & Wall Cladding Code of Practice [www.metalroofer.org.nz](http://www.metalroofer.org.nz) or E2/AS1

ROOF PITCH	DISTANCE Y mm	
	SITUATION 1	SITUATION 2
8°	N/A	218
10°	167	217
15°	162	212
20°	156	206
25°	150	200
30°	143	193
35°	134	184
40°	125	175
45°	115	165

FOR STANDARD 50mm PURLINS ON FLAT

DETAIL NO. RTCR005A  
DATE DRAWN 20/01/14  
FILE REFERENCE RI-RTCR005A.DWG

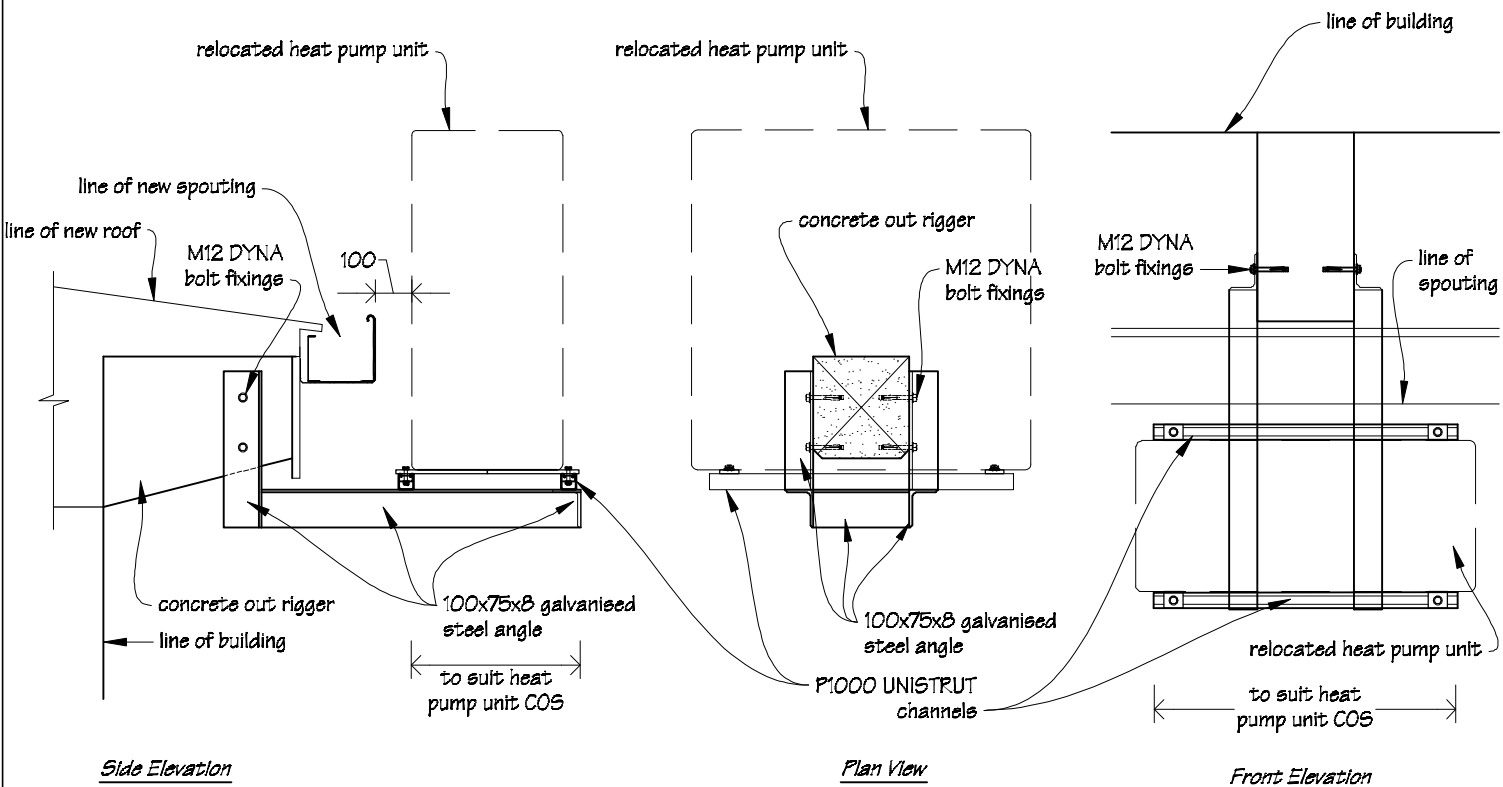
SITE WIND ZONE (As per NZS3604)	MINIMUM mm (X)
	TRANSVERSE FLASHING OVER ROOFING
SITUATION 1 <sup>(1)</sup>	130 <sup>(3)</sup>
SITUATION 2 <sup>(2)</sup>	200 <sup>(3)</sup>

NOTES:

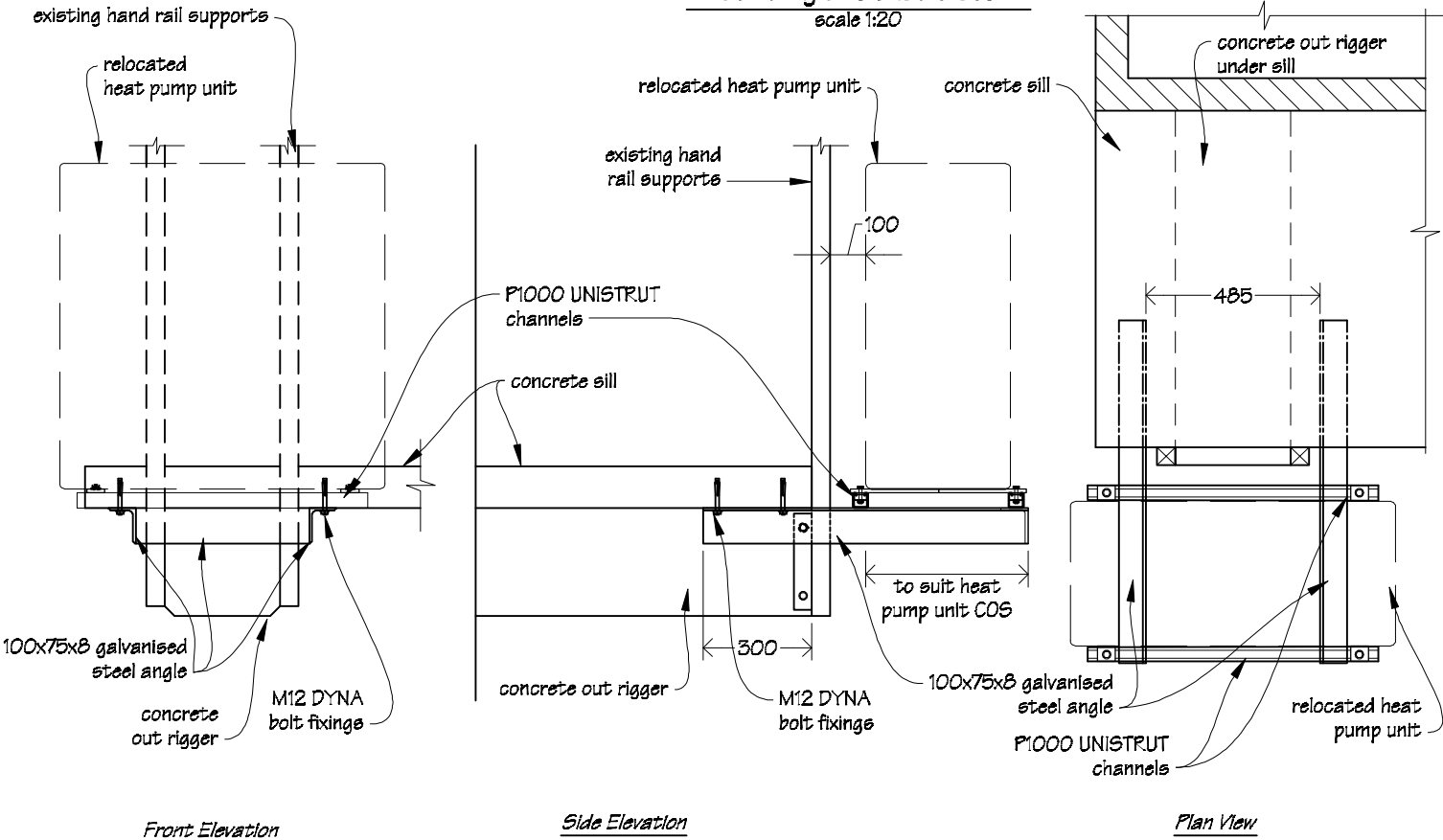
- (1) SITUATION 1: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS 10° OR GREATER.  
(2) SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH AND EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES WHERE ROOF PITCH LESS THAN 10°.  
(3) EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING.



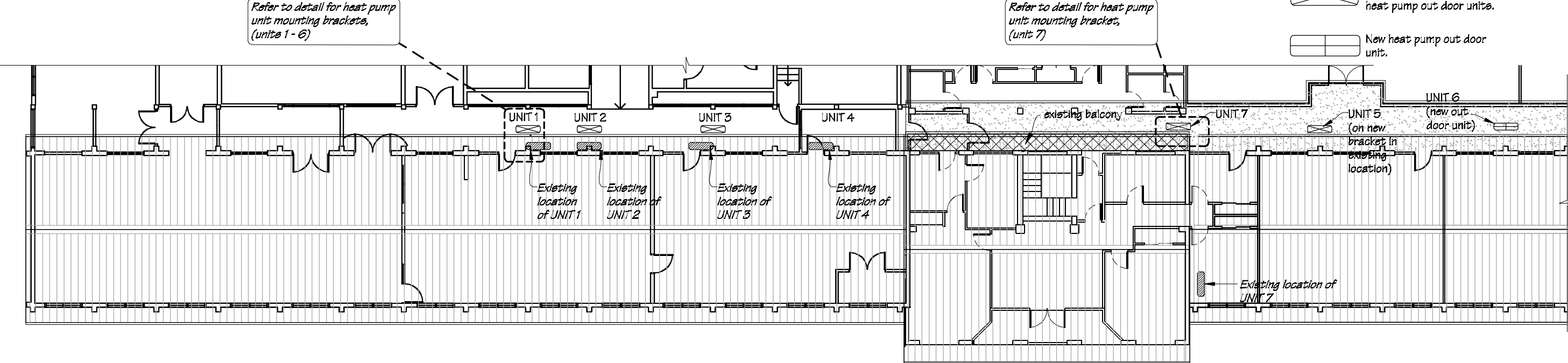
Heat Pump Out Door Units 1-4  
Mounting Bracket Details  
scale 1:20




Heat Pump Out Door Unit 7  
Mounting Bracket Details  
scale 1:20

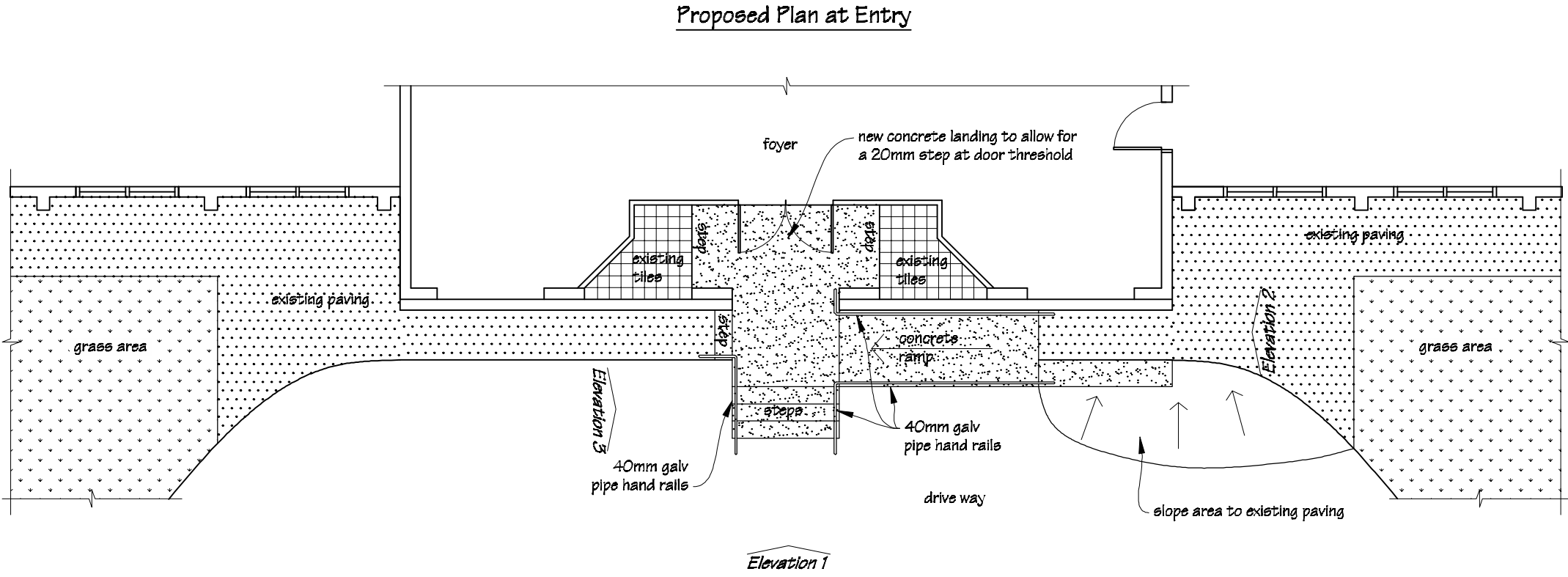
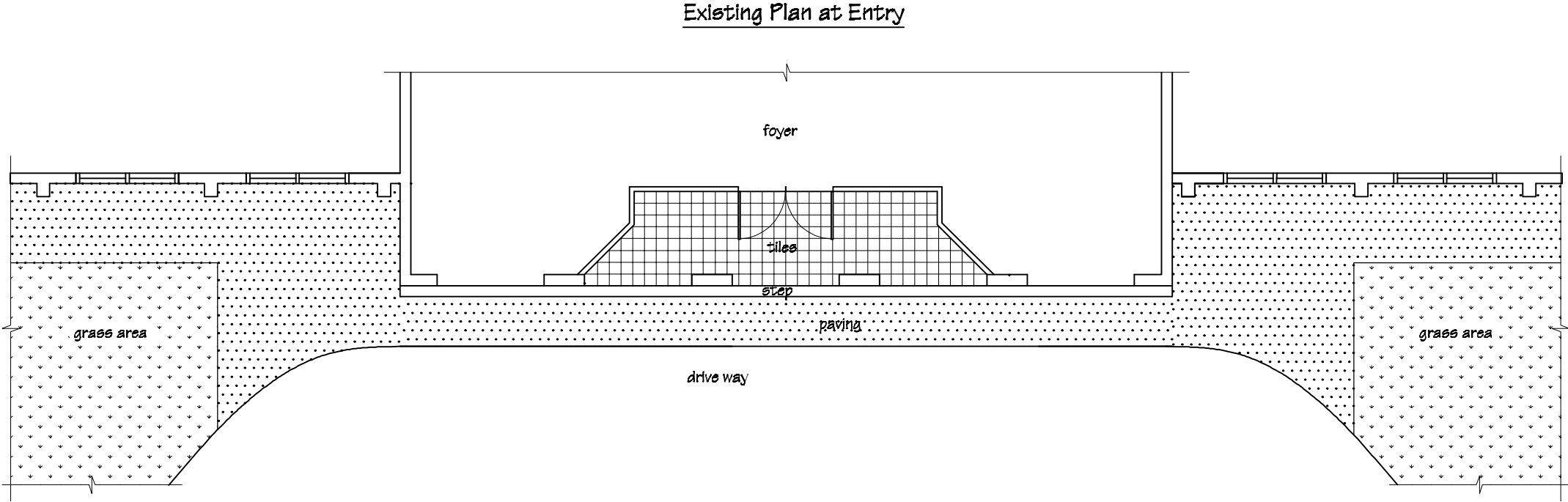



Blocks C, D & E  
Heat Pump Out Door Unit Location Plan  
scale 1:200

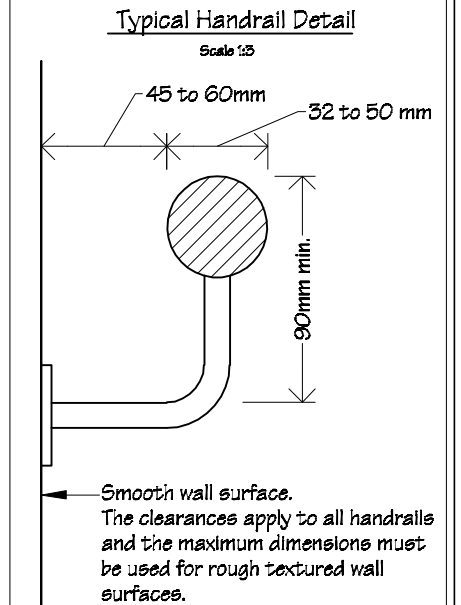
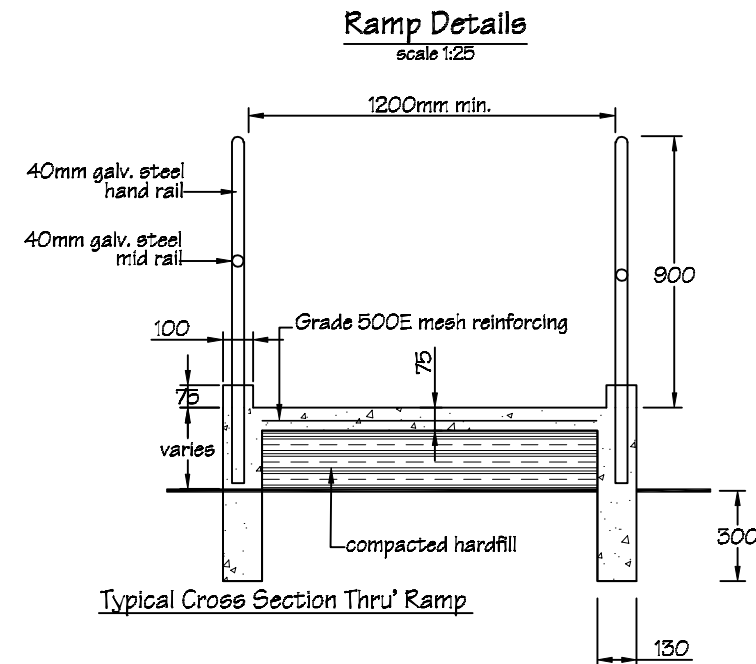
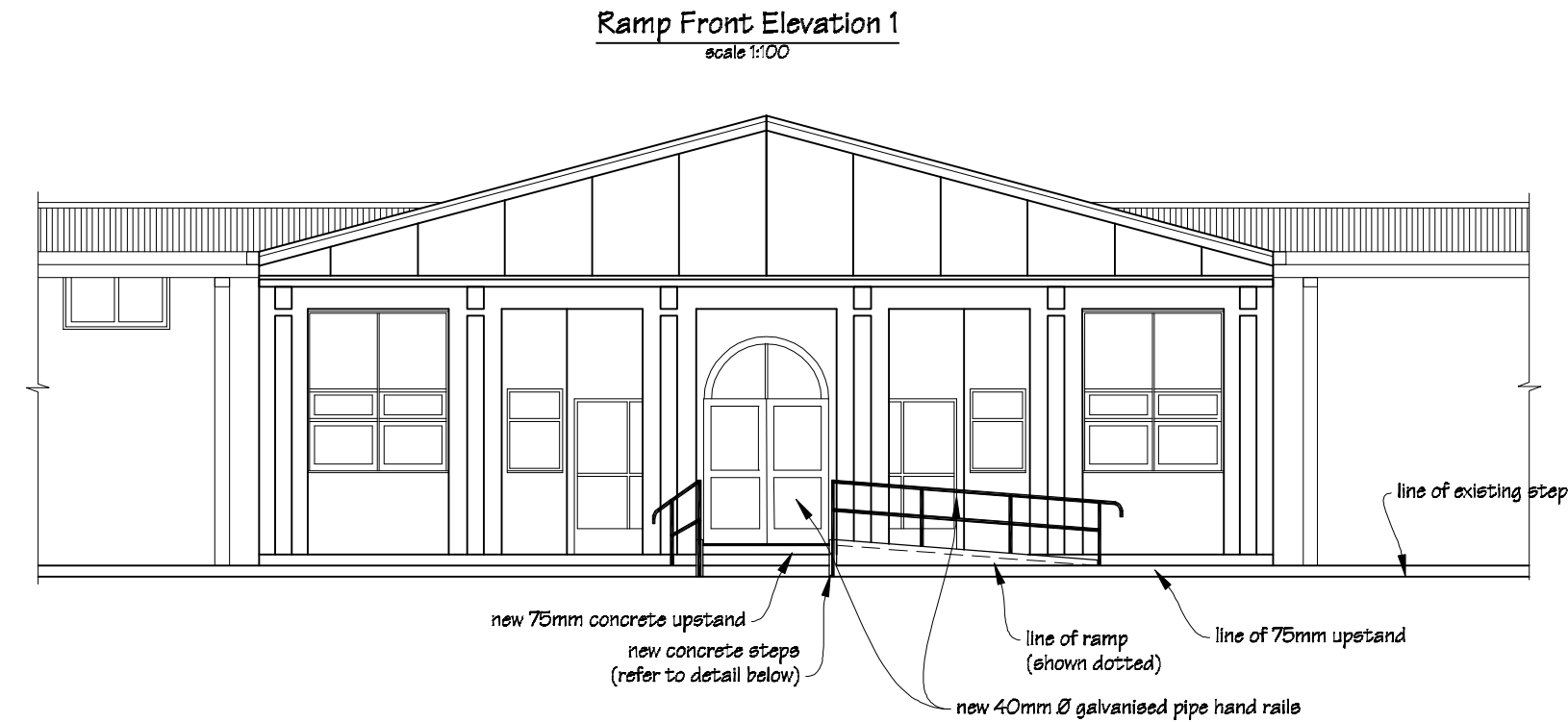


- KEY
- Existing locations of roof mounted heat pump out door units.
  - New locations of existing heat pump out door units.
  - New heat pump out door unit.

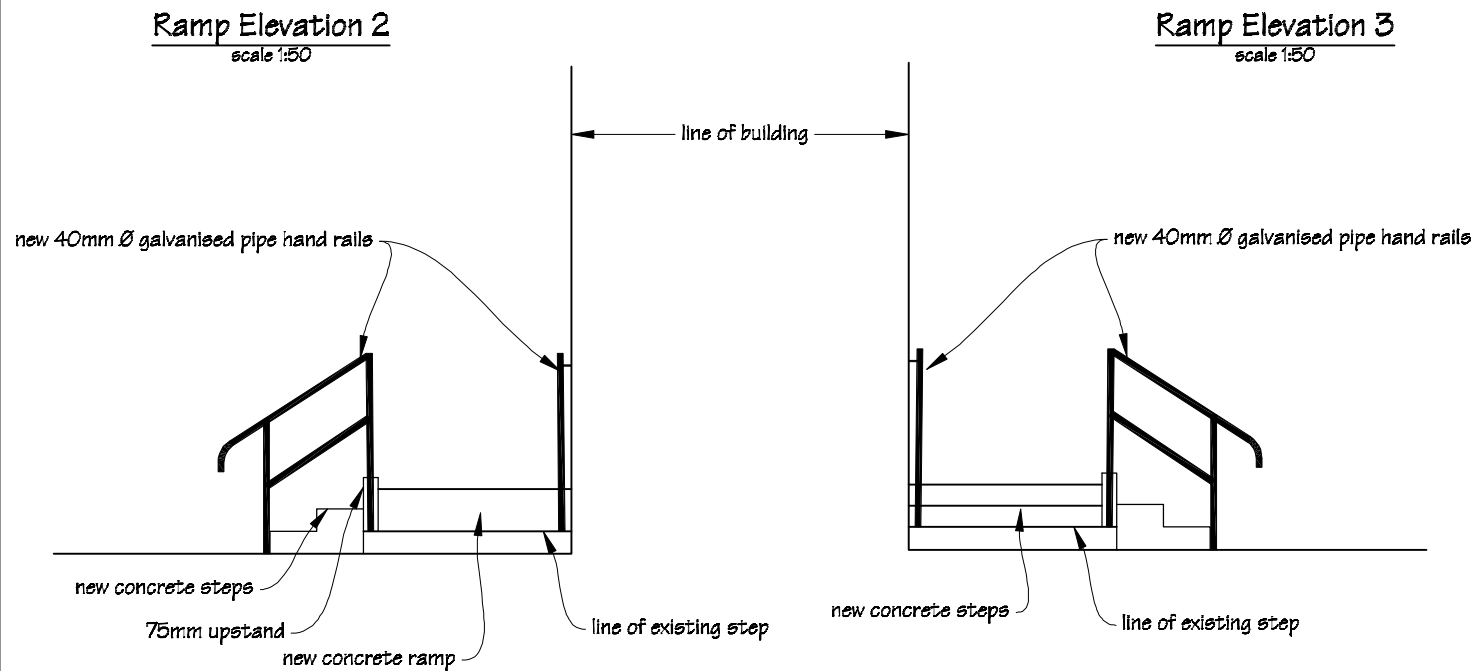
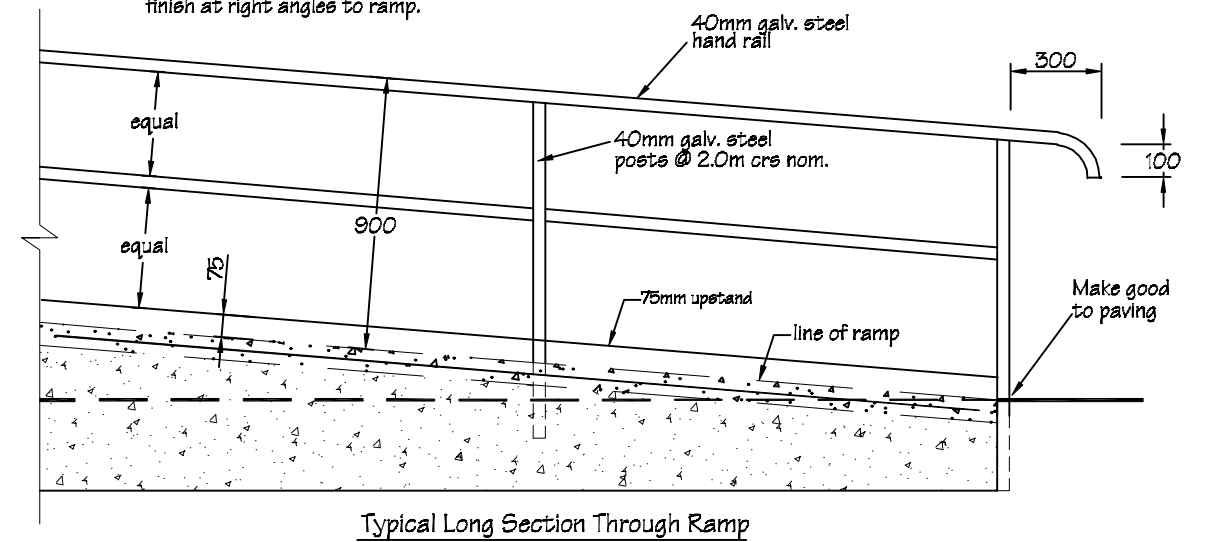
 IR Group Ltd Design - Project Management - Planning	Phone- Office 04 526-7711 Mobile- Ian 021-427-347 Mobile- Stephen 027-3355889 Email- <a href="mailto:ian@irgroup.co.nz">ian@irgroup.co.nz</a> <a href="mailto:steve@irgroup.co.nz">steve@irgroup.co.nz</a> Web- <a href="http://www.irgroup.co.nz">www.irgroup.co.nz</a>	Chanel College 26 Herbert Street Masterton	PROJECT Administration Alterations, Re-roofing & Seismic Strengthening	DRAWING TITLE Blocks C, D & E Heat Pump Location Plan	REVISIONS No Description	Scale 1:200	Pricing/Building Consent Drawings  Do not scale from drawings. Check all dimensions on site.
						Date 06/03/17 Original sheet size A3 Drawn S.T. Sheet No 22 of 31 Dwg Ref 22	



 IR Group Ltd <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	Chanel College 26 Herbert Street Masterton	PROJECT: Administration Alterations, Re-roofing & Seismic Strengthening	DRAWING TITLE  Accessible Ramp Plan	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 1:100	Pricing/Building Consent Drawings  <i>Do not scale from drawings. Check all dimensions on site.</i>
	No					Date	Description						
	Mobile- Ian 021-427.347					Date 06/05/17							
	Mobile- Stephen 027-3355889					Original sheet size A3							
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<a href="mailto:steve@irgroup.co.nz">steve@irgroup.co.nz</a>	Sheet No 23 of 31												
Web- <a href="http://www.irgroup.co.nz">www.irgroup.co.nz</a>	Dwg Ref 23												

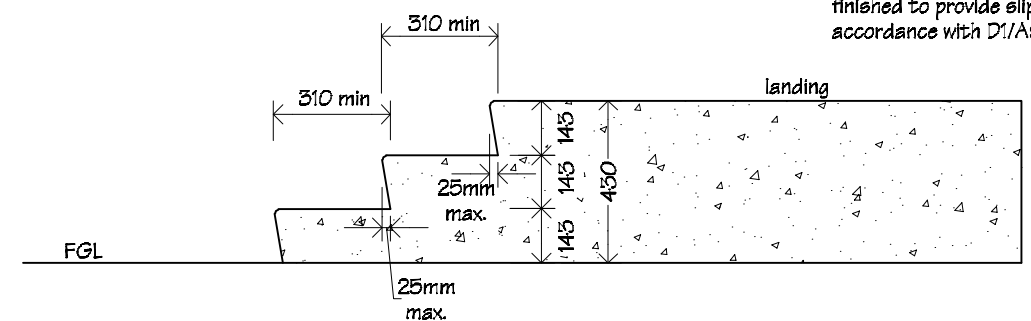


**NOTES:**  
Ramp to have a maximum gradient of 1:12.  
Finish concrete ramp & landings with broom  
finish at right angles to ramp.



**Accessible Entry Stair Detail**  
scale 1:20

**NOTE**  
Treads & risers in accordance with  
D1/AS1: Tread & Riser Height (Section  
4).  
Concrete steps & land to be broom  
finished to provide slip resistance in  
accordance with D1/AS1: section 2.1



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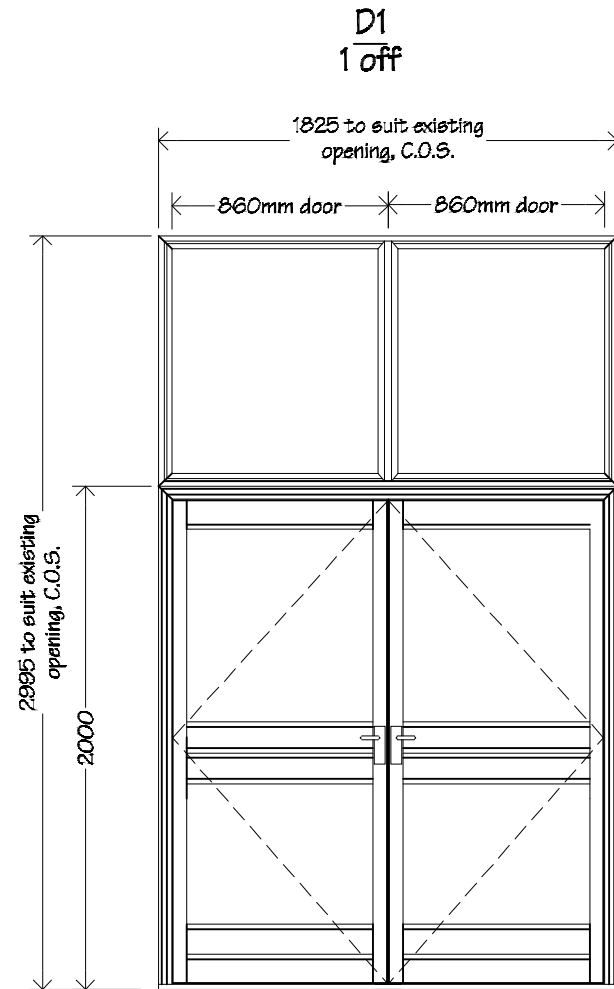
**PROJECT**  
Administration Alterations,  
Re-roofing &  
Seismic Strengthening

**DRAWING TITLE**  
Accessible Ramp  
Elevations & Details

**REVISIONS**  
No Date Description  
1 16.5.17 Accessible stair detail included.

Scale as shown  
Date 06/05/17  
Original sheet size A3  
Drawn S.T.  
Sheet No 24 of 31  
Dwg Ref 24

**Pricing/Building Consent  
Drawings**  
Do not scale from drawings.  
Check all dimensions on site.

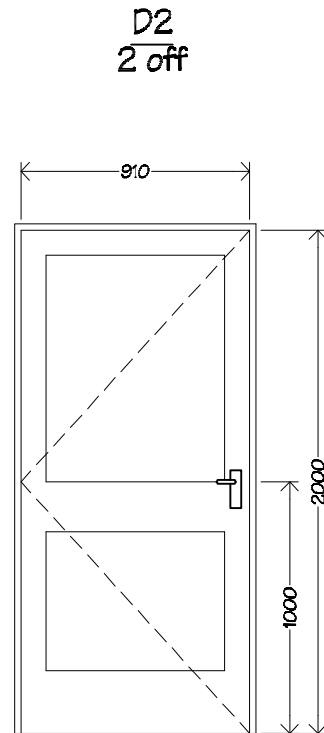


Doors D1 to be double glazed powder coated aluminium double Magnum doors, with over lights, as shown, in aluminium frames.

Glazing to be double glazed clear Grade A safety glass.

Refer to drawings for handing.

Refer to spec for hardware.

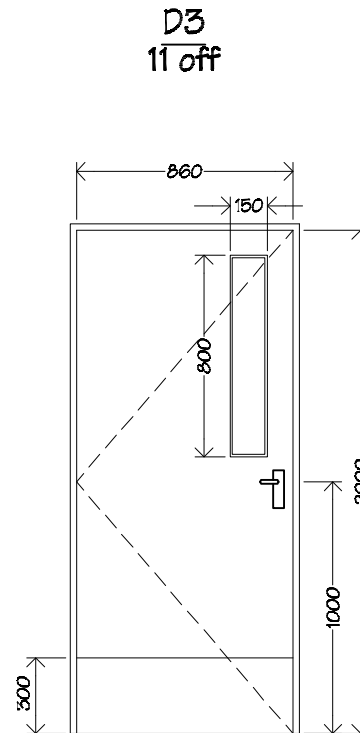


Doors D2 to be solid core, p.q. interior door in timber frame.

Glazing to be clear Grade A safety glass.

For furniture, hook & lock see spec.

Refer to floor plan for handing.



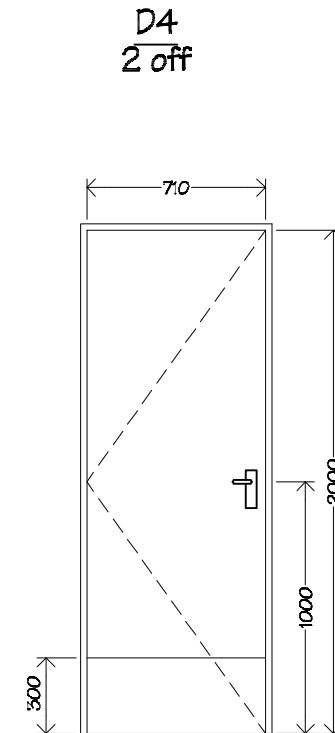
Doors D3 to be solid core, p.q. interior door in timber frame.

Glazing to be clear Grade A safety glass.

Kick plates to be satin finished stainless steel. Kick plates to be fitted to both sides of door.

For furniture, hook & lock see spec.

Refer to floor plan for handing.

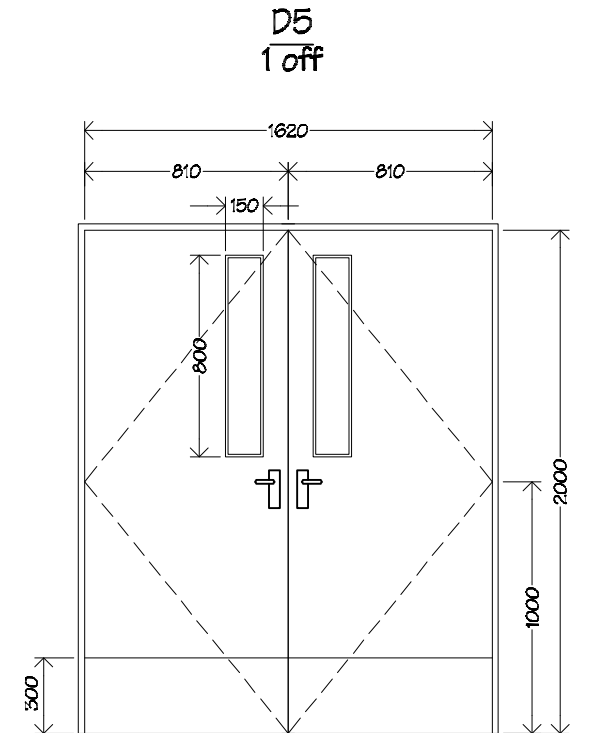


Doors D4 to be solid core, p.q. interior door in timber frame.

Kick plates to be satin finished stainless steel. Kick plates to be fitted to both sides of door.

For furniture, hook & lock see spec.

Refer to floor plan for handing.



Doors D5 to be fire rated solid core, p.q. interior double doors in timber frame.

Glazing to be clear Grade A safety glass.

Kick plates to be satin finished stainless steel. Kick plates to be fitted to both sides of door.

For furniture, hook & lock see spec.

Refer to floor plan for handing.

#### NOTES

Doors D8 to be propriety interior sliding cupboard doors to suit.

Doors D9 & D10 to be reused from demolition.

All aluminium joinery to comply with NZS 4211.

All glazing to comply with NZS 4225.



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PROJECT  
Administration Alterations,  
Re-roofing &  
Seismic Strengthening

DRAWING TITLE  
Door Schedule 1

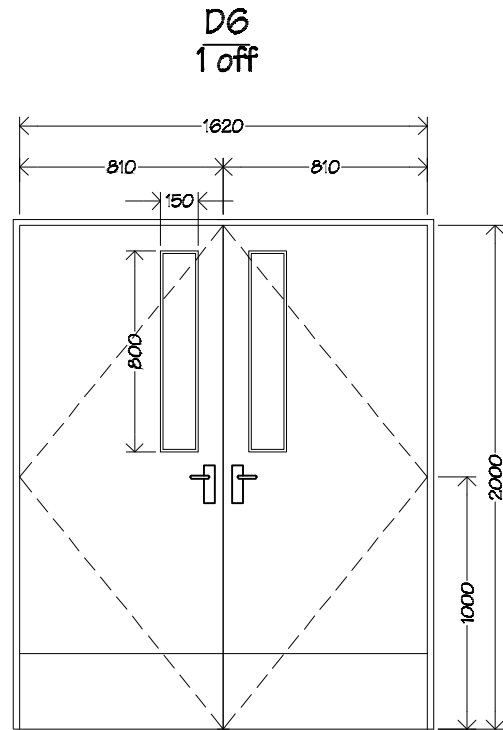
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No Date Description

Scale 1:50  
Date 06/03/17  
Original sheet size A3  
Drawn S.T.  
Sheet No 25 of 51  
Dwg Ref 25

Pricing/Building Consent  
Drawings

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

Door Schedule  
scale 1:30



Doors D6 to be solid core, p.q. interior double doors in timber frame.

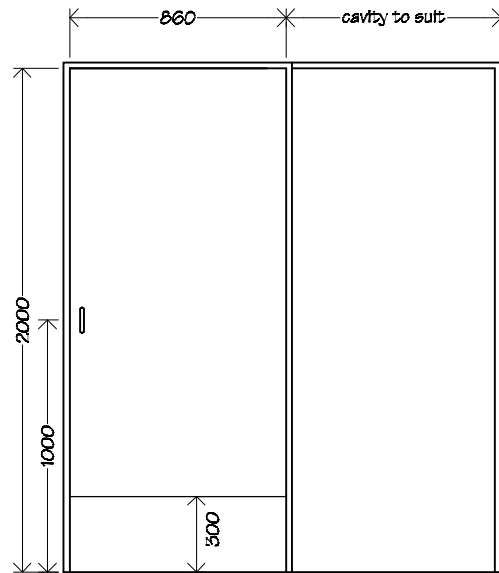
Glazing to be clear Grade A safety glass.

Kick plates to be satin finished stainless steel. Kick plates to be fitted to both sides of door.

For furniture, hook & lock see spec.

Refer to floor plan for handing.

Door Schedule  
scale 1:30



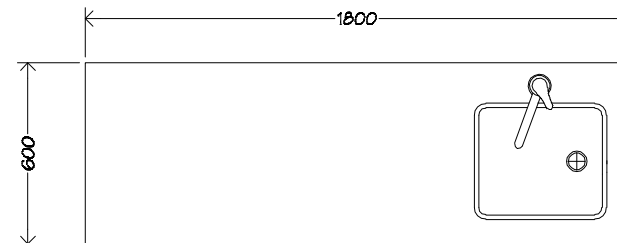
Door D7 to be p.q. solid core timber cavity sliding door.

Kick plate to be satin finished stainless steel. Fit kick plates to both sides of door.

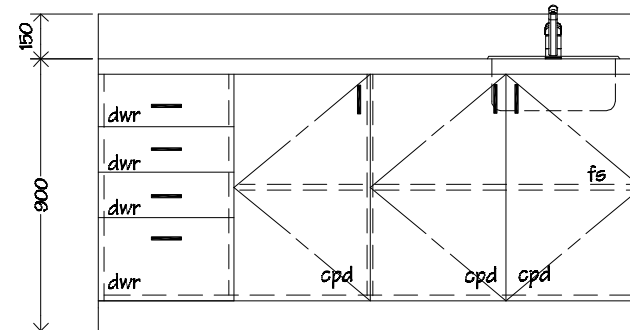
Refer to floor plan for handing.

Sink Bench Unit

U1  
1 off  
scale 1:25



Plan



Front View

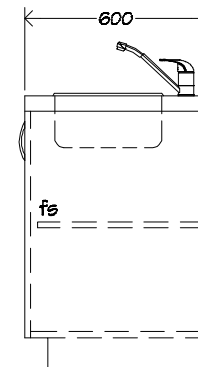
NOTES:

Sink bench unit, (U1), carcass, shelving & doors to be 18mm double sided Melteca with 3mm PVC edging, back to be 12mm single sided Melteca.

Bench top to be Formica with 150mm upstand and Mercer EC107 Bella stainless steel sink, complete with Methven Celeste, or similar, single lever sink mixer.

Doors to be fitted with one pair of concealed "Grass", or similar, self closing hinges.

Provide new satin finish bow handles to all doors.

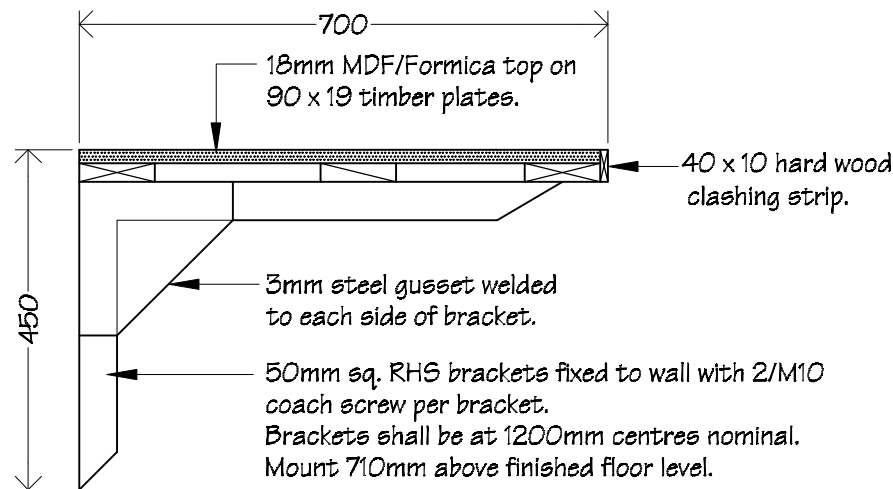


Side View

KEY

dwr drawer  
cpd cupboard  
fs fixed shelf

Counter Top  
CT1  
1 off  
scale 1:10



## HOT WATER CYLINDER RESTRAINTS

The recent earthquakes in Canterbury have highlighted the need to secure items that may be critical to occupants' survival after an earthquake. One such item is the hot water cylinder.

By Graeme Beattie, BEM2, Principal Engineer

Hot water cylinders are a very valuable source of freshwater when the town supply is cut off, as happened after the earthquake. In some parts of Christchurch for several weeks.

The hot water cylinder represents a large inertial mass – a 135 litre cylinder weighs approximately 170 kg when full. Without restraint, these can be flung around by the force of the earthquake and damage other items, or the pipe connections can be fractured (see Figure 1).

### Block base and restrain top

Timber blocking may be installed to prevent sliding of the base of the cylinder on its supporting structure (see Figure 2). A minimum of three blocks should be used, spaced as evenly as possible around the perimeter. Each block needs to be fixed down with two Type 17 screws 75 mm long and not less than 12 g or two 100 mm long nails. However, this is only half of the answer.

The hot water cylinder is also liable to topple if it is not restrained at or near the top. Very often, there is only a single wall to which the restraint can be attached. The simplest solution is to install a metal strap commonly available from a builders' merchant (see Figures 2 and 3).

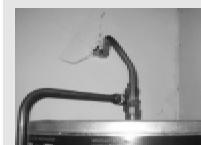


Figure 1: Example of well known free unsecured hot water cylinder.

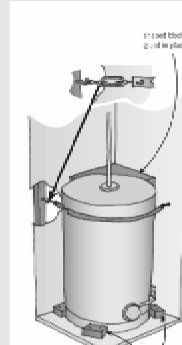


Figure 2: Recommended restraints for hot water cylinder in corner.

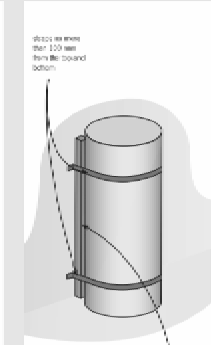


Figure 3: Hot water cylinder restraints using 100 mm vertical blocking full height of cylinder and fixed to wall framing.

18 BUILDING 2014/2015

It is important to have a solid substrate to which the restraint strap is attached, and studs or noggins should be located before fixing the strap.

### Blocking needed at top as well

Wrapping the strap around the cylinder and fixing it to the wall on each side is not an adequate solution because the cylinder can still rock parallel to the wall during an earthquake.

It is important to fill timber blocking in conjunction with the metal strap (see Figures 2 and 3). This will allow the cylinder to be snugly restrained. As with the base restraint, adequate fixing strength is important to ensure satisfactory performance in an earthquake.

Type 17 screws at least 50 mm long are recommended with a 30 x 2 mm square washer to sandwich the strap. Alternatively, a heavy duty brace may be fixed to the stud or nog and a

timber block included in the strap for tensioning. A similar system may be installed near the base of the cylinder if there is no opportunity to fill the timber blocks on the supporting structure beneath.

### Similar system for cylinders in corners

Where the cylinder can be restrained in a corner between two walls, a similar restraint system may be used. Again, it is important to pack the space between the cylinder and the walls to ensure that it is firmly sandwiched between the strap and the walls.

### Retrofit possible

The restraint systems described can be installed on existing hot water cylinders, but it is simpler to have the restraint fitted during installation.

This allows good access to the back of the hot water cylinder to fit packing.

Curved timber packing blocks ensure an even bearing on the cylinder outer casing for restraint beneath.

Heat pump water heaters  
Heat pump water heaters are soon becoming more common. These usually stand outside the house against the wall with rigid plumbing to the house.

Appropriate packing and blocking can be fitted in place before heat pumps are installed. This will ensure a satisfactory seismic restraint from the outset.

The method is essentially the same as for hot water cylinders, with the aim of preventing movement away from the wall or along the wall, so that the plumbing connections do not leak or break during an earthquake. 4

18 BUILDING 2014/2015



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Chanel College  
26 Herbert Street  
Masterton

PROJECT  
Administration Alterations,  
Re-roofing &  
Seismic Strengthening

DRAWING TITLE  
Door Schedule 2  
&  
Sink Bench Unit Details

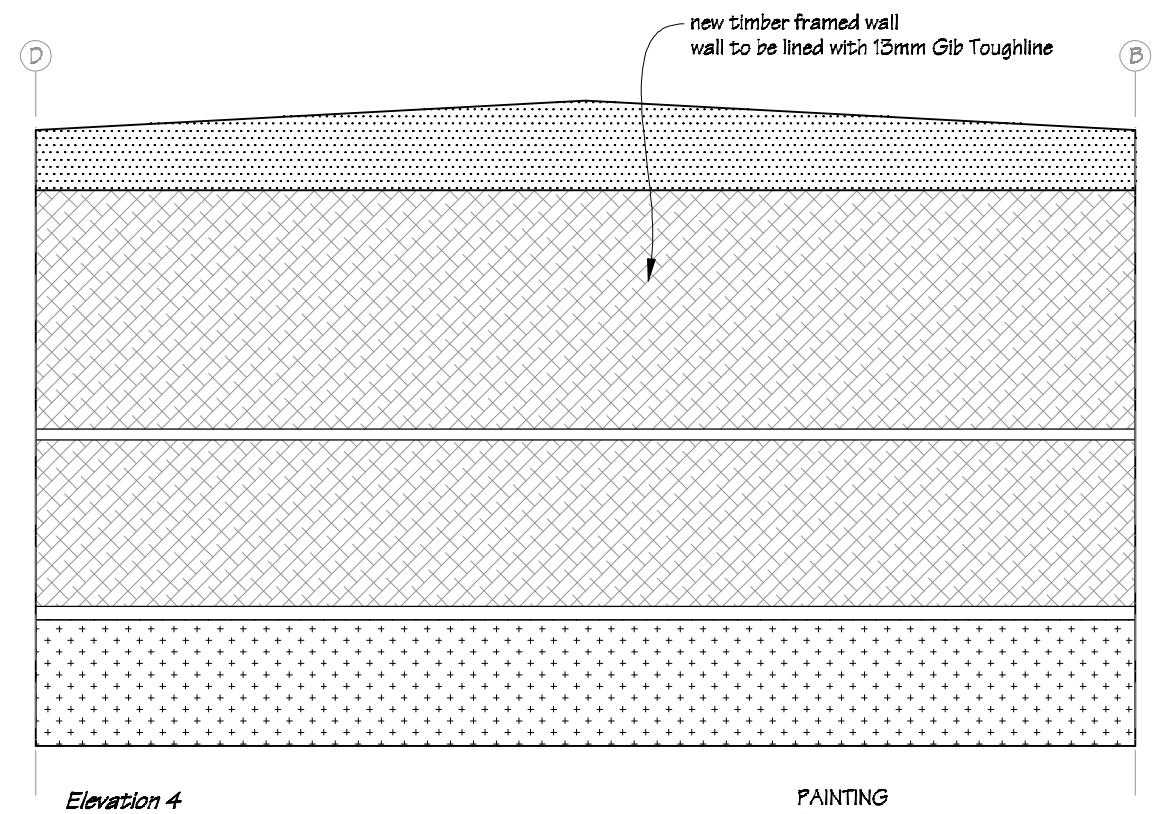
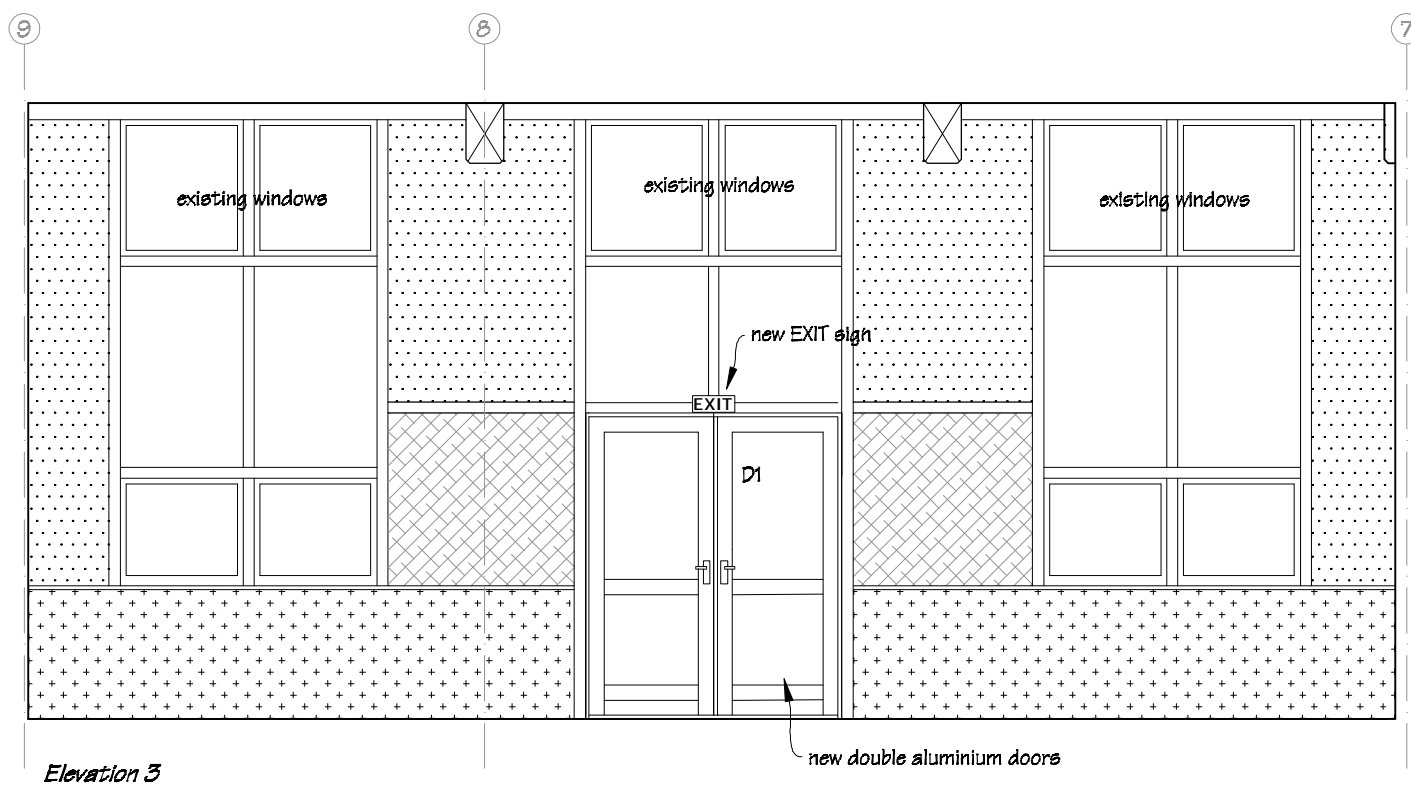
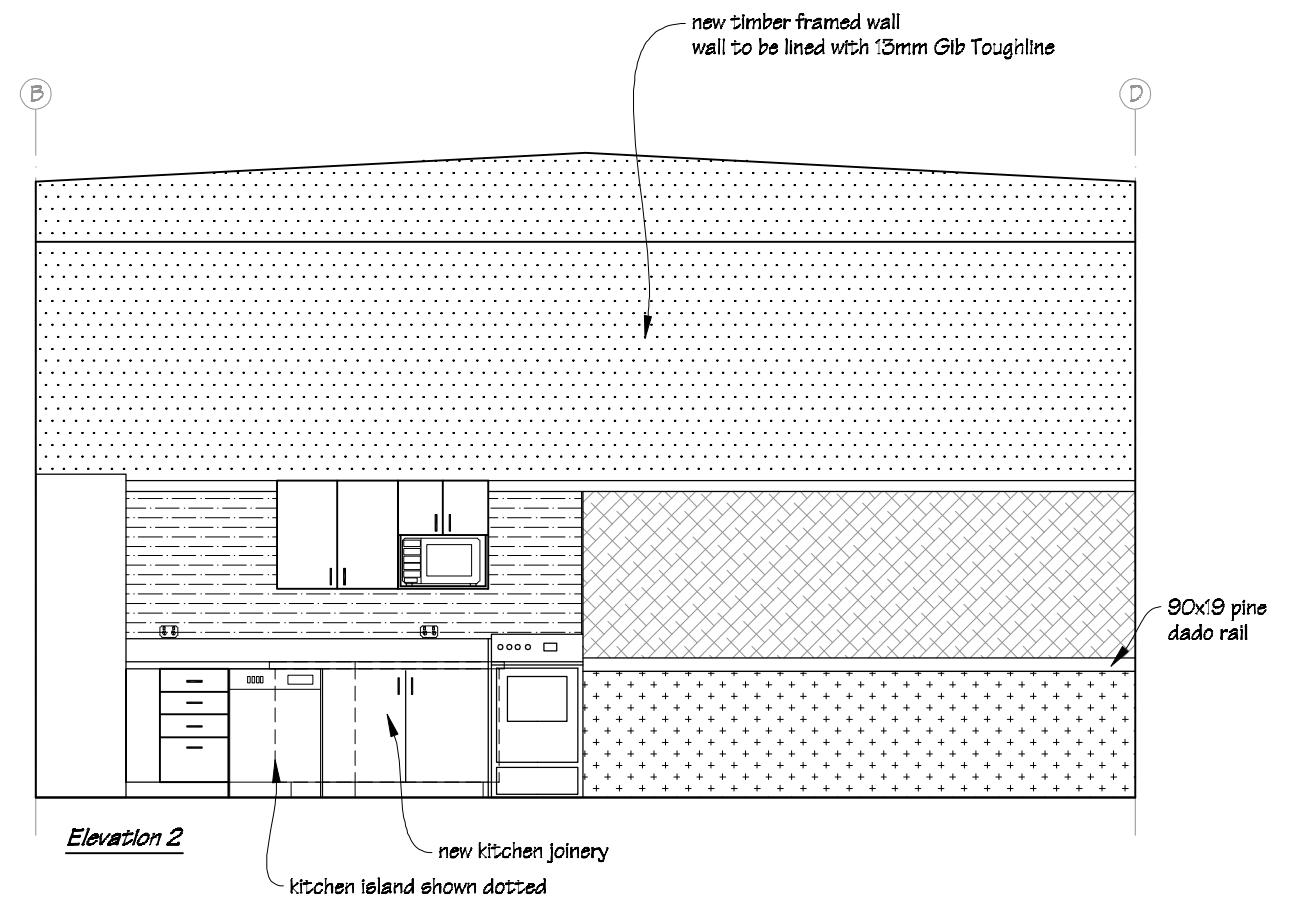
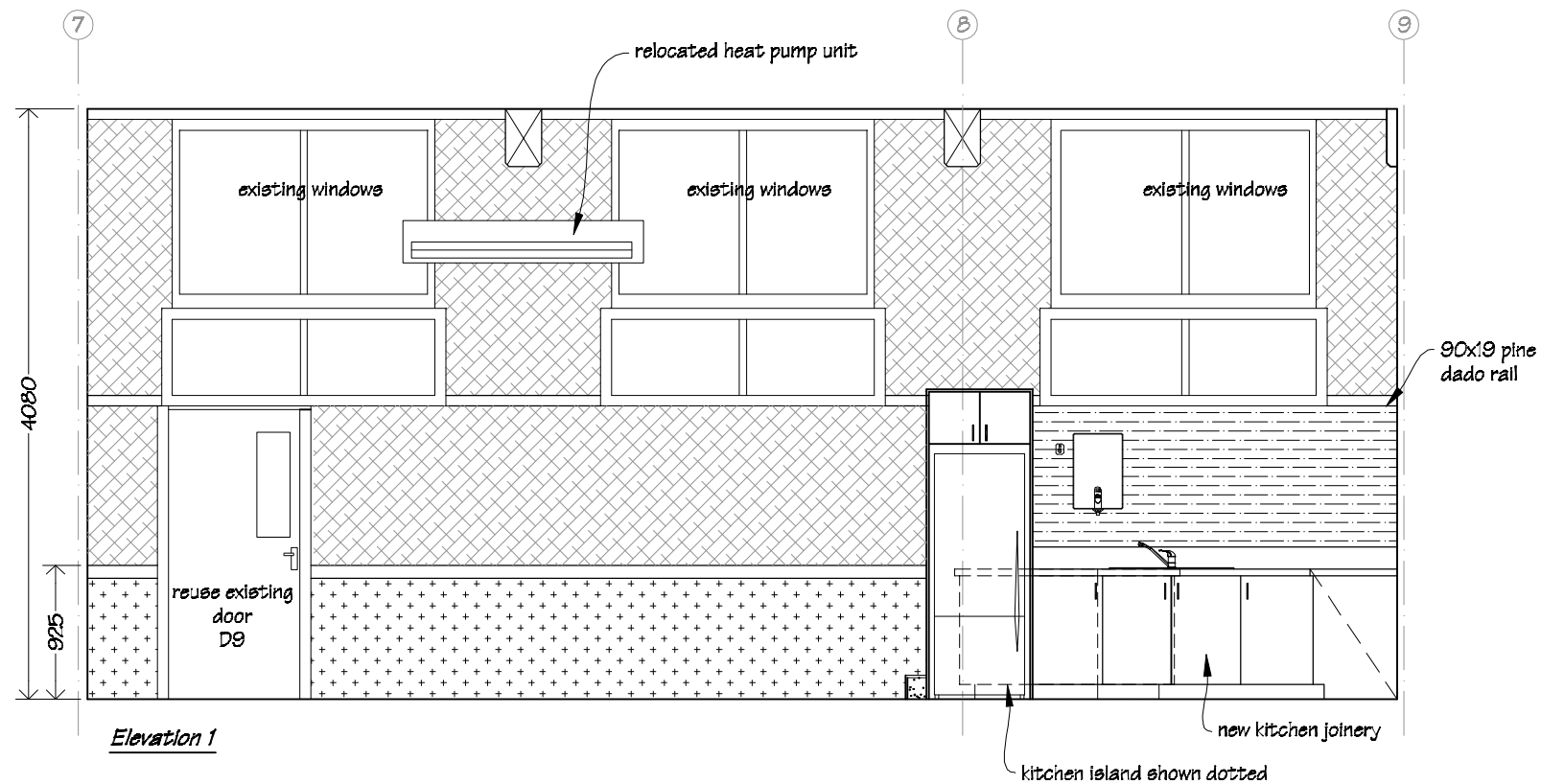
REVISIONS  
No Date Description  
1 25.5.17 Sink bench units altered to 1 off.

Scale	as shown
Date	06/05/17
Original sheet size	A3
Drawn	S. T.
Sheet No	26 of 31
Dwg Ref	26

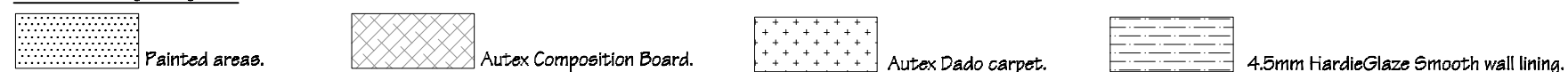
Pricing/Building Consent  
Drawings

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






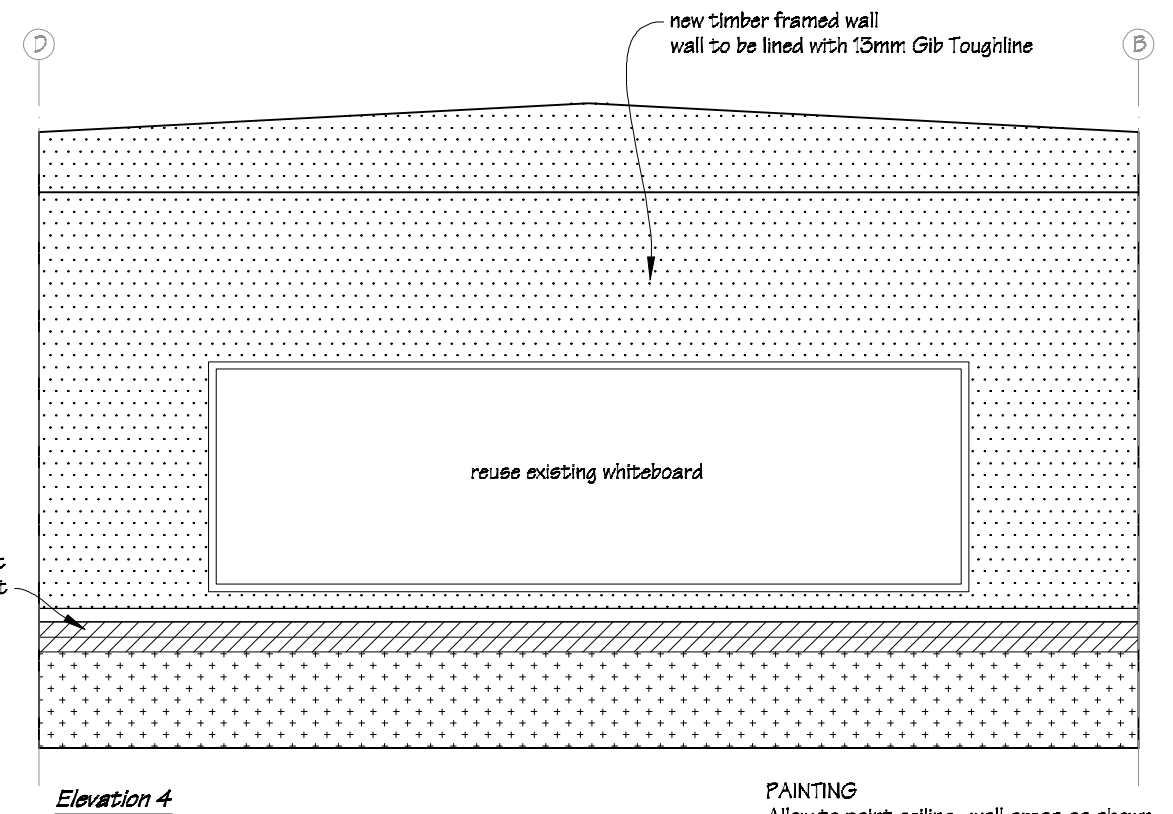
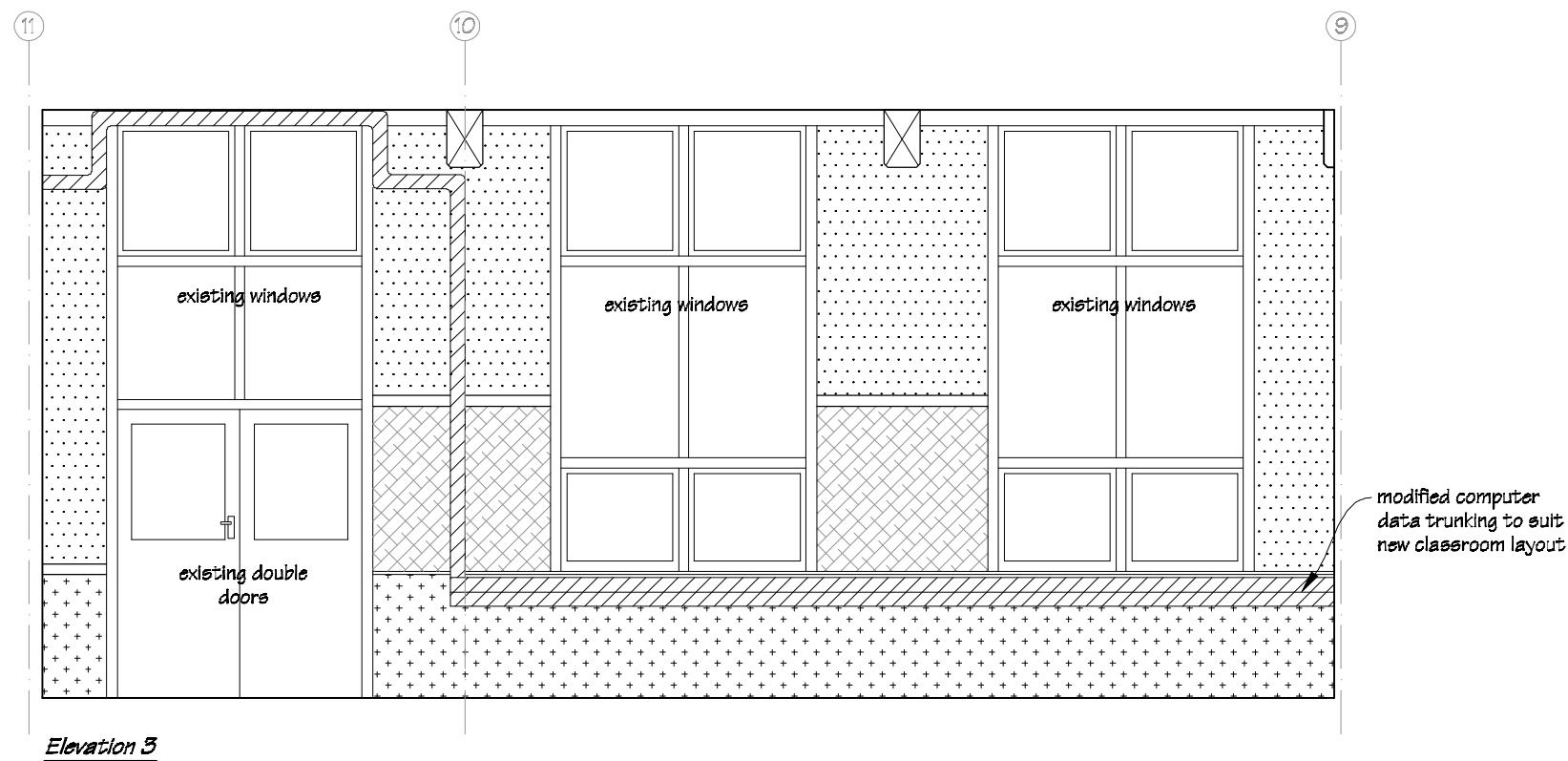
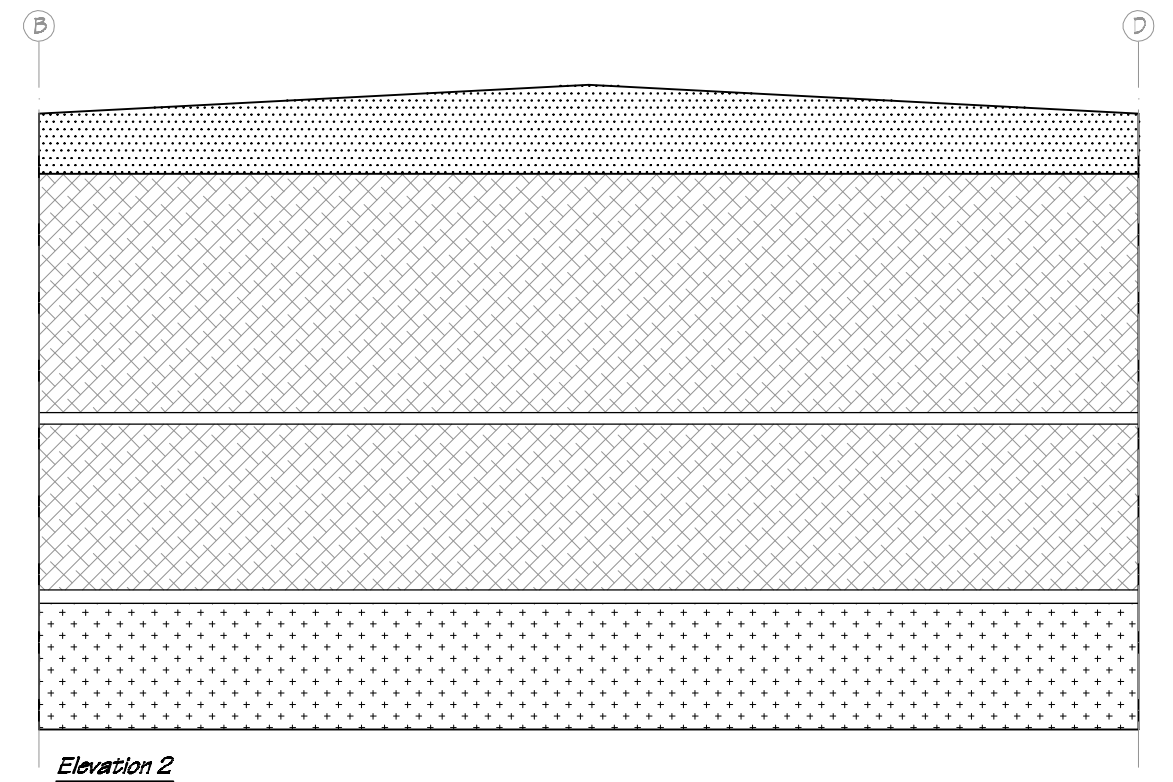
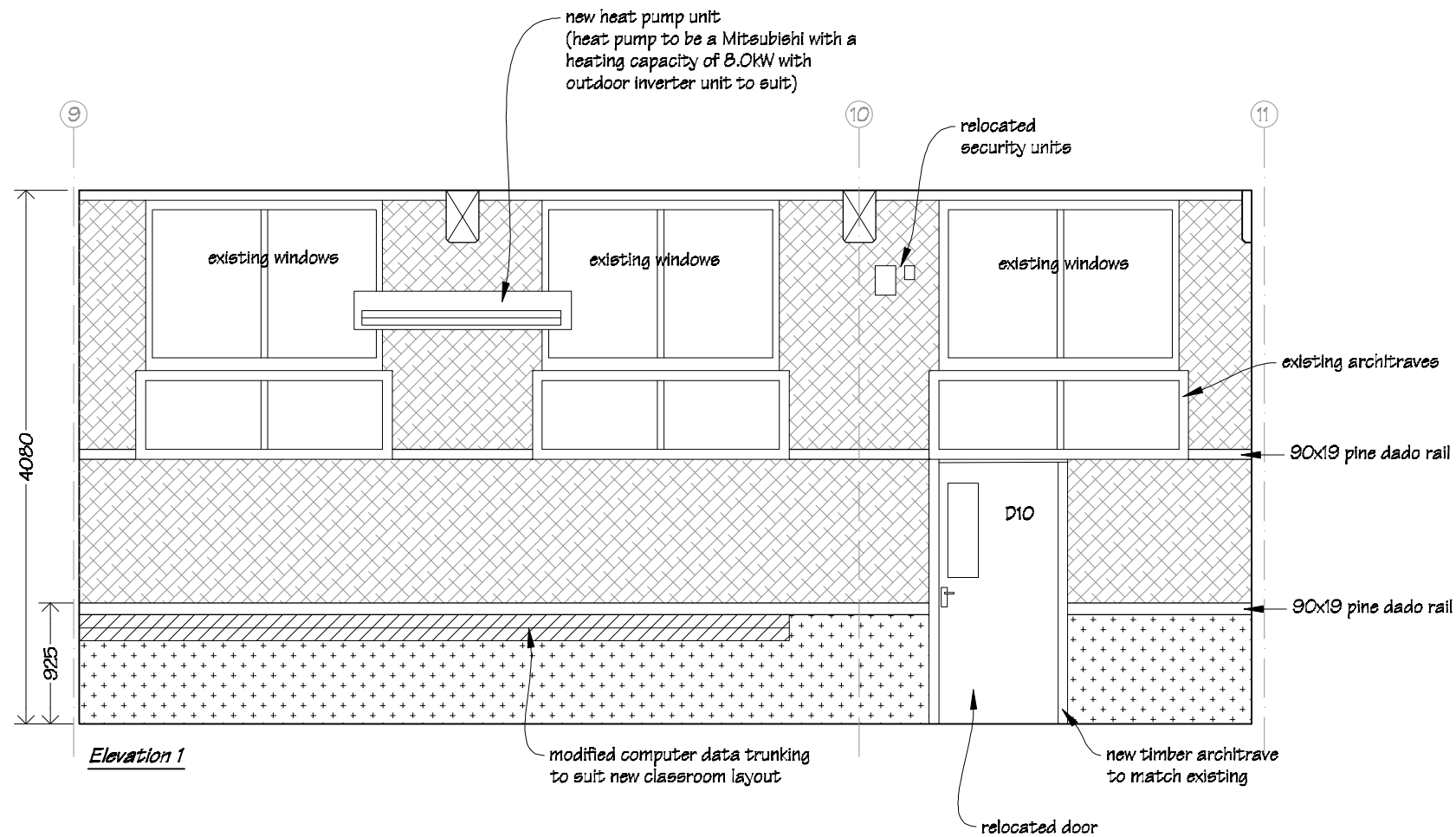
#### Wall Coverings Legend



#### PAINTING

Allow to paint ceiling, wall areas as shown, timber dado rails, timber architraves, scotias, timber door and window frames & all miscellaneous timber trim.


 <b>IR Group Ltd</b> <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711 Mobile- Ian 021-427.347 Mobile- Stephen 027-3355889 Email- <a href="mailto:ian@irgroup.co.nz">ian@irgroup.co.nz</a> <a href="mailto:steve@irgroup.co.nz">steve@irgroup.co.nz</a> Web- <a href="http://www.irgroup.co.nz">www.irgroup.co.nz</a>	Chanel College 26 Herbert Street Masterton	PROJECT Administration Alterations, Re-roofing & Seismic Strengthening	DRAWING TITLE Block C Staffroom Proposed Interior Elevations	REVISIONS <table><thead><tr><th>No</th><th>Date</th><th>Description</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr></tbody></table>	No	Date	Description				<table><tr><td>Scale</td><td>1:50</td></tr><tr><td>Date</td><td>06/03/17</td></tr><tr><td>Original sheet size</td><td>A3</td></tr><tr><td>Drawn</td><td>S.T.</td></tr><tr><td>Sheet No</td><td>27 of 51</td></tr><tr><td>Dwg Ref</td><td>27</td></tr></table>	Scale	1:50	Date	06/03/17	Original sheet size	A3	Drawn	S.T.	Sheet No	27 of 51	Dwg Ref	27	Pricing/Building Consent Drawings  <i>Do not scale from drawings. Check all dimensions on site.</i>
	No	Date	Description																						
Scale	1:50																								
Date	06/03/17																								
Original sheet size	A3																								
Drawn	S.T.																								
Sheet No	27 of 51																								
Dwg Ref	27																								



#### Wall Coverings Legend



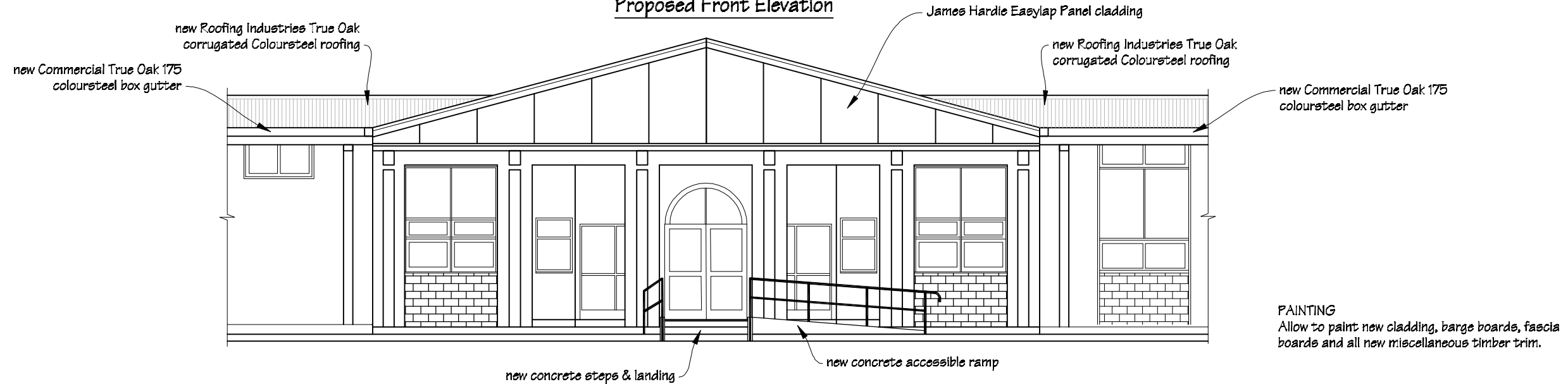
**PAINTING**  
Allow to paint ceiling, wall areas as shown, timber dado rails, new & existing timber architraves, scotias, timber door and window frames & all miscellaneous timber trim.


 <b>IR Group Ltd</b> <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	Chanel College 26 Herbert Street Masterton	<b>PROJECT</b> Administration Alterations, Re-roofing & Seismic Strengthening	<b>DRAWING TITLE</b> Block C Classroom Proposed Interior Elevations	<table><tr><th colspan="3">REVISIONS</th></tr><tr><th>No</th><th>Date</th><th>Description</th></tr><tr><td> </td><td> </td><td> </td></tr></table>	REVISIONS			No	Date	Description				Scale 1:50	Pricing/Building Consent Drawings
	REVISIONS															
	No					Date	Description									
	Mobile- Ian 021-427.347					Date 06/03/17										
	Mobile- Stephen 027-3355889					Original sheet size A3										
Email- ian@irgroup.co.nz	Drawn S.T.															
steve@irgroup.co.nz	Sheet No 28 of 31															
Web- www.irgroup.co.nz	Dwg Ref 28															

Administration Area  
Existing Front Elevation

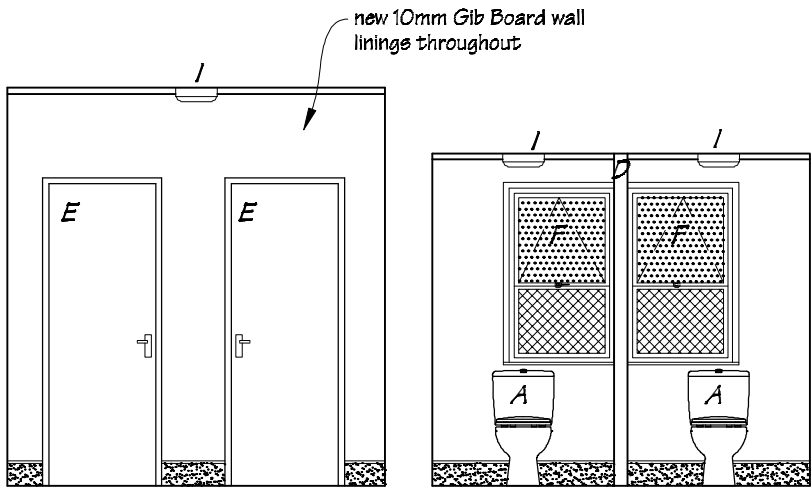


Administration Area  
Proposed Front Elevation



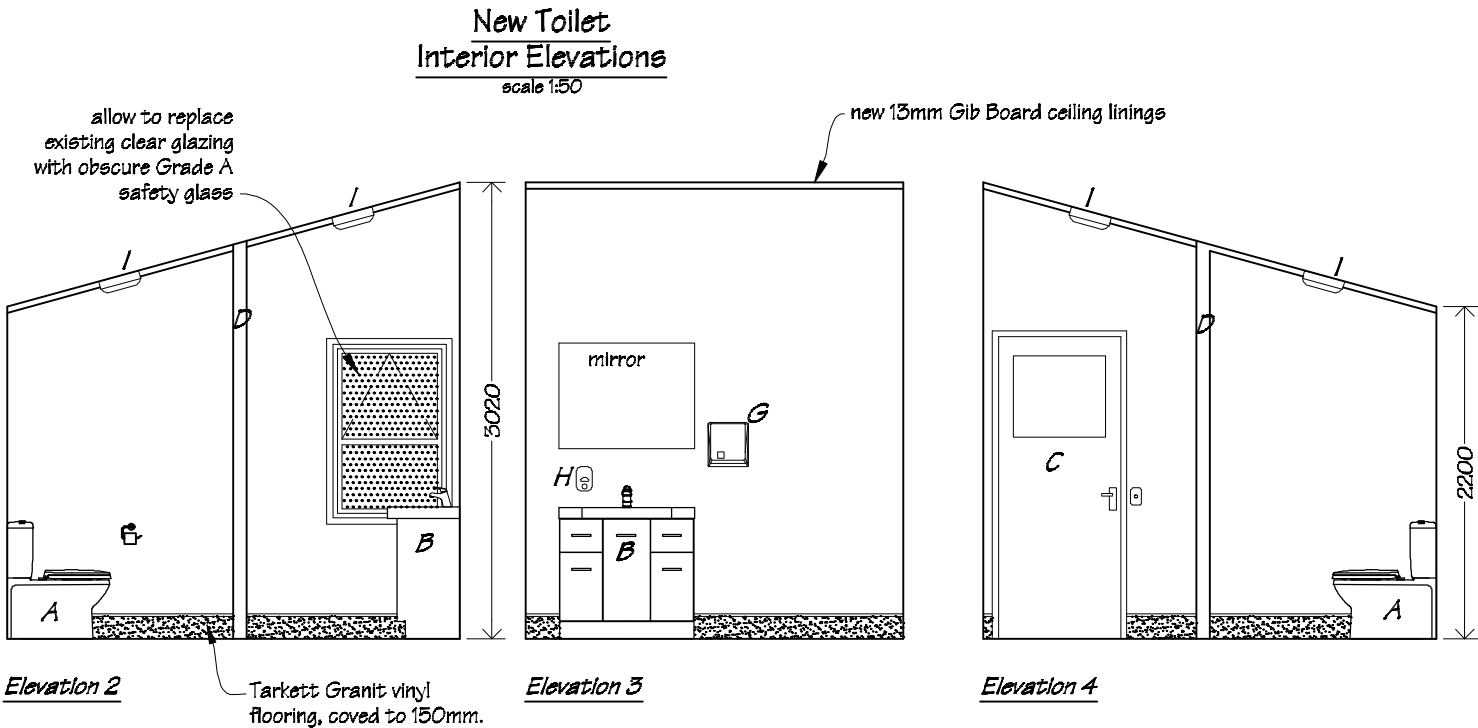
 IR Group Ltd Design - Project Management - Planning	Phone- Office 04 526-7711	Chanel College 26 Herbert Street Masterton	PROJECT Administration Alterations, Re-roofing & Seismic Strengthening	DRAWING TITLE Administration Front Elevations	REVISIONS	Scale 1:100	Pricing/Building Consent Drawings
	Mobile- Ian 021-427.347				No Date Description	Date 06/03/17	
	Mobile- Stephen 027-3355889					Original sheet size A3	
	Email- <a href="mailto:ian@irgroup.co.nz">ian@irgroup.co.nz</a>					Drawn S.T.	
	Web- <a href="http://www.irgroup.co.nz">www.irgroup.co.nz</a>					Sheet No 29 of 31	
					Dwg Ref 29	Do not scale from drawings. Check all dimensions on site.	

PAINTING  
Allow to paint ceiling, walls, timber dado rails, timber architraves, scotias, timber door and window frames & all miscellaneous timber trim.



Elevation 1

Elevation 1a



Elevation 2

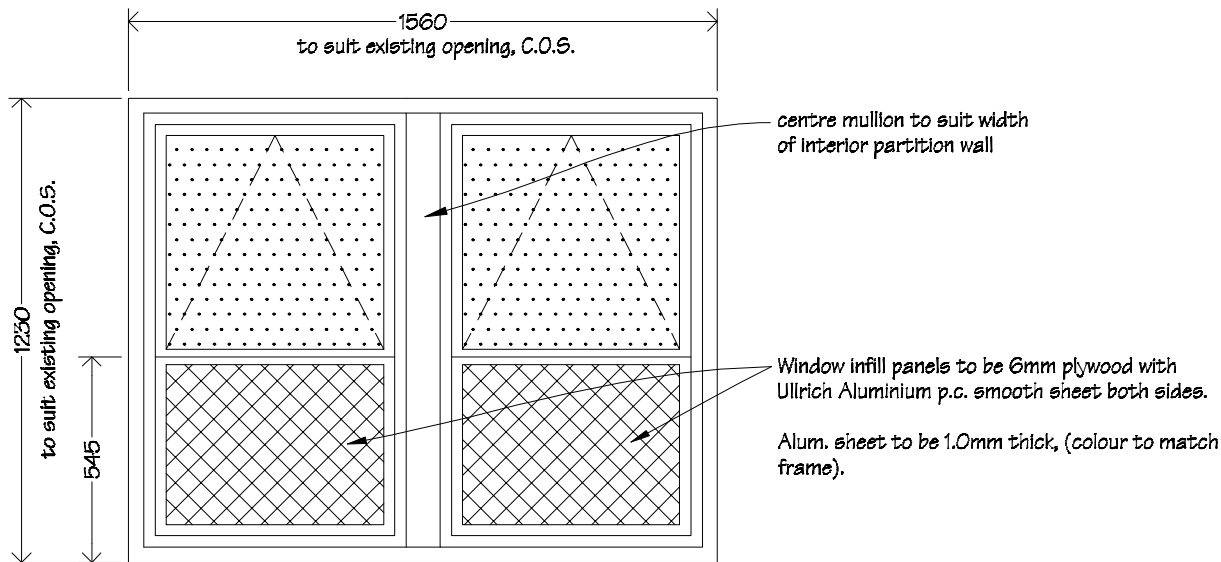
Elevation 3

Elevation 4

- LEGEND
- A Caroma Venecia wall faced toilet suite.
  - B Clearlite Sumner 1200mm vanity with Methven Futura basin mixer.
  - C Existing door, (allow to replace glass panel with ply wood to suit).
  - D New 90x45 H1.2 timber framed full height walls.
  - E New doors D4, (refer to attached Door Schedule drawing).
  - F New aluminium insert window, (W1), to replace existing.
  - G Supreme Master Air BA404 electric hand dryer.
  - H Supreme soap dispenser HAF82B.
  - I New 2D light fittings

New Insert Aluminium Window

W1  
scale 1:20




Window W1 to be p.c. 40mm Commercial suite aluminium insert windows to suit existing timber frame.

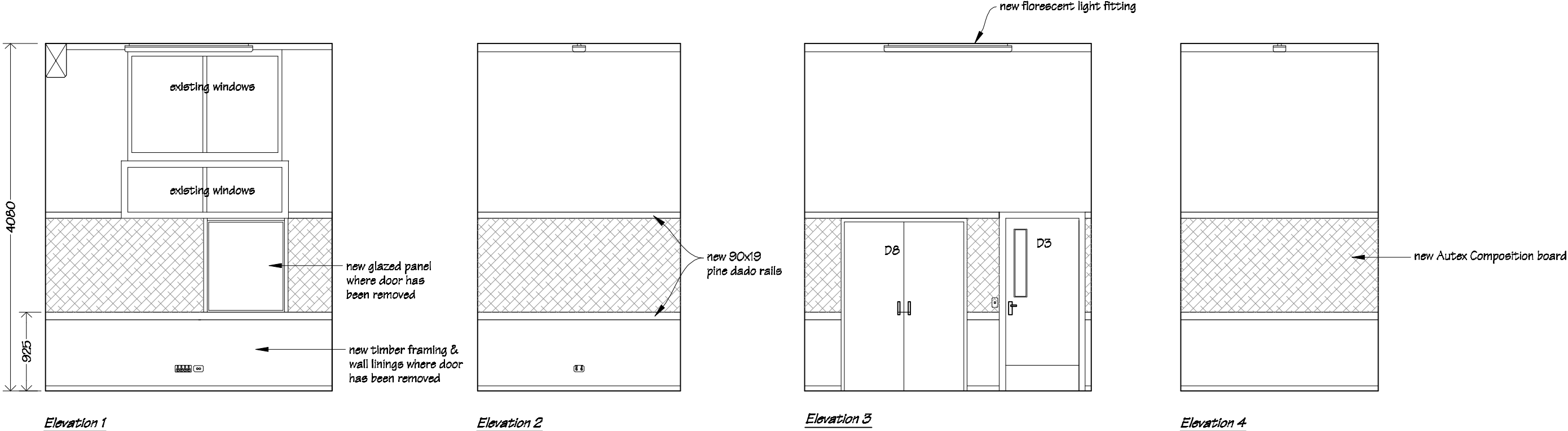
Glazing to be double glazed obscure Grade A safety glass.

Hang sashes on suitably sized friction stays.

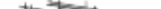
Awning sashes to be fixed with:  
2 Interlok 'restrictor' stays and  
2 interlok avon non-locking fasteners per sash

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						Date	06/03/17	
						Original sheet size	A3	
						Drawn	S. T.	
						Sheet No	30 of 31	
						Dwg Ref	30	

Office 5  
Interior Elevations  
scale 1:50



PAINTING  
Allow to paint ceiling, wall areas not lined with Autex Composition Board, timber dado rails, new & existing timber architraves, scotias, timber door and window frames & all miscellaneous timber trim.

 IR Group Ltd <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	Chanel College 26 Herbert Street Masterton	PROJECT Administration Alterations, Re-roofing & Seismic Strengthening	DRAWING TITLE Office 5 Interior Elevaions	REVISIONS	Scale 1:50	Pricing/Building Consent Drawings
	Mobile- Ian 021-427.347				No Date Description	Date 06/03/17	
	Mobile- Stephen 027-3355889					Original sheet size A3	
	Email- <a href="mailto:ian@irgroup.co.nz">ian@irgroup.co.nz</a>					Drawn S.T.	
	Web- <a href="http://www.irgroup.co.nz">www.irgroup.co.nz</a>					Sheet No 31 of 31	
		Dwg Ref 31					