

# SOUTH END SCHOOL BOILER ROOM ALTERATIONS

275 High Street South  
Carterton

for  
South End School Board of Trustees

## DRAWINGS

<u>Page No</u>	<u>Description</u>	<u>Scale</u>
Page 1	Site Plan	as shown
Page 2	Boiler Room Floor Plans	1:50
Page 3	Boiler Room Electrical & Floor Coverings Plan	1:50
Page 4	Boiler Room Cross Sections A-A	1:50
Page 5	Boiler Room Cross Sections B-B	1:50
Page 6	Boiler Room Cross Sections Details	1:8
Page 7	Boiler Room/Resource Room Interior Elevations	1:50
Page 8	Boiler Room/Resource Room Window & Door Schedule	1:50
Page 9	Boiler Room/Resource Room Exterior Elevations & Interior Linings Plan	as shown
Page 10	Cylinder Shed Floor Plan & Exterior Elevations	1:50
Page 11	Cylinder Shed Cross Sections	1:50
Page 12	Cylinder Shed Cross Section Details	as shown

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

Issue Date  
07-06-2017

Pricing/Building  
Consent  
Drawings

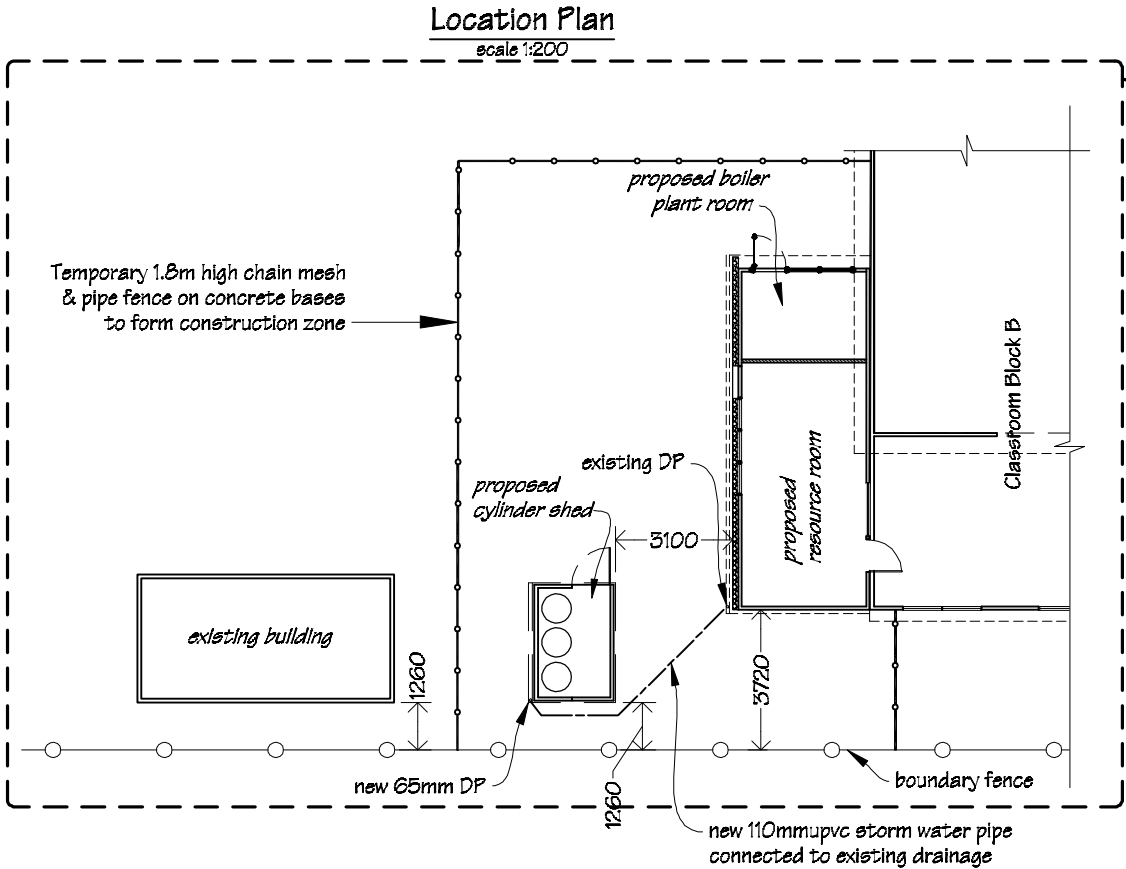
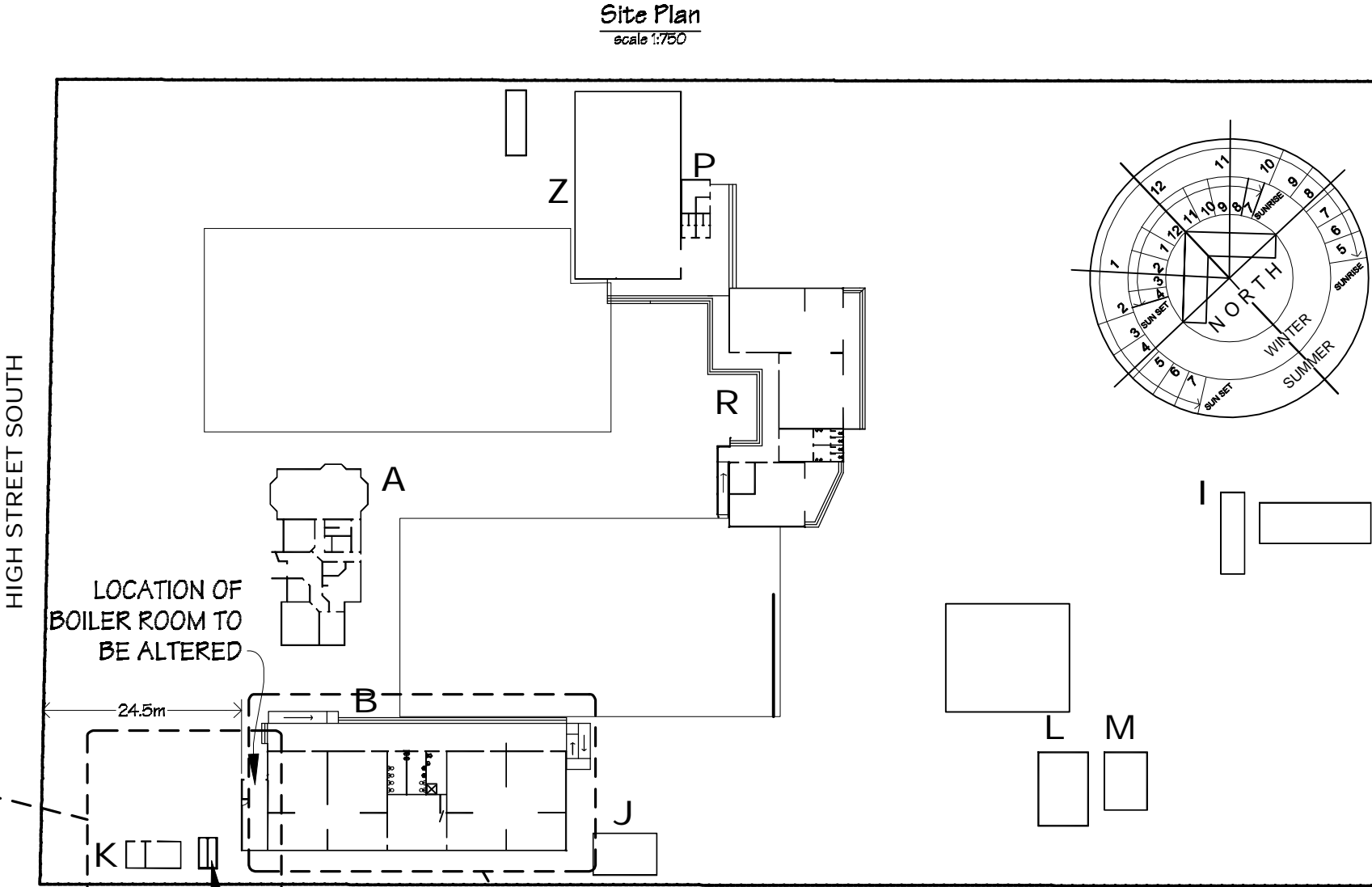


I R Group Ltd

Design - Project Management - Planning

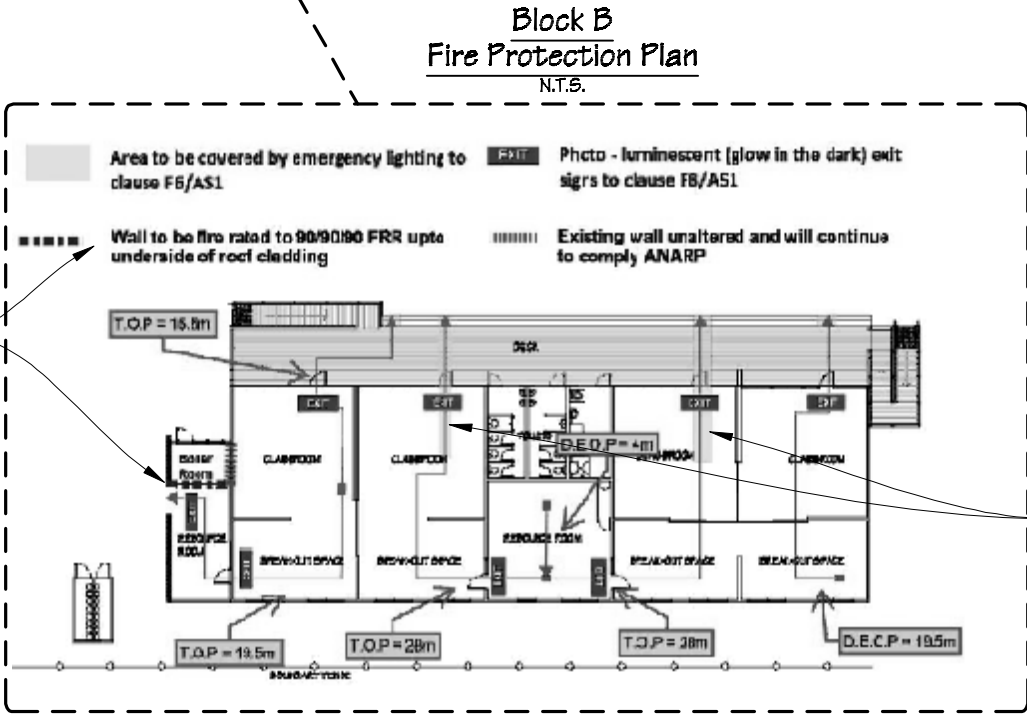
Phone- Office 04 526-7711  
Mobile- Ian 021-427.347  
Mobile- Stephen 027-3355889  
Email- [ian@irgroup.co.nz](mailto:ian@irgroup.co.nz)  
[steve@irgroup.co.nz](mailto:steve@irgroup.co.nz)  
Web- [www.irgroup.co.nz](http://www.irgroup.co.nz)

LEGAL INFORMATION Part Section 15 town of Carterton
ADDRESS South End School 275 High Street South Carterton
SITE INFORMATION Exposure Zone B. Earthquake Zone 3. Wind Zone - Very High



LOCATION OF NEW LPG CYLINDER ENCLOSURE

Refer to Floor Plan & Cross Section drawings for fire rated wall details



**Fire Safety Requirements:**  
New EXIT signs to be photo-luminescent (glow in the dark) type.  
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).

 <b>IR Group Ltd</b> <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	South End School 275 High Street South Carterton	PROJECT	DRAWING TITLE	REVISIONS	Scale	as shown	Pricing/Building Consent Drawings
	Mobile- Ian 021-427.347					Date	07/06/17	
	Mobile- Stephen 027-3355889					Original sheet size	A3	Do not scale from drawings. Check all dimensions on site.
	Email- ian@irgroup.co.nz		Boiler Room Alterations	Site Plan		Drawn	S.T.	
	steve@irgroup.co.nz					Sheet No	1 of 12	
	Web- www.irgroup.co.nz					Dwg Ref	1	

**EXISTING COAL BUNKER**

**NOTE**  
Existing Gip Fyreline wall & ceiling linings to remain in coal bunker area.

remove roller door

remove fire call point

remove existing wing walls (shown hatched)

**EXISTING BOILER PLANT ROOM**

remove steps

remove light fitting

**NOTE**  
Allow to remove all wall & ceiling linings throughout existing boiler plant room.

remove existing chimney

allow to remove boiler equipment and all associated pipe work & fittings. Cap all services as required.

existing elec. DB to be removed

remove door & window above, timber frames to remain

remove windows, timber frames to remain

**B-B 1**  
pg 5

**A-A 1**  
pg 4

[illegible]

PROJECT
Boiler Room Alterations

REVISIONS		
No	Date	Description

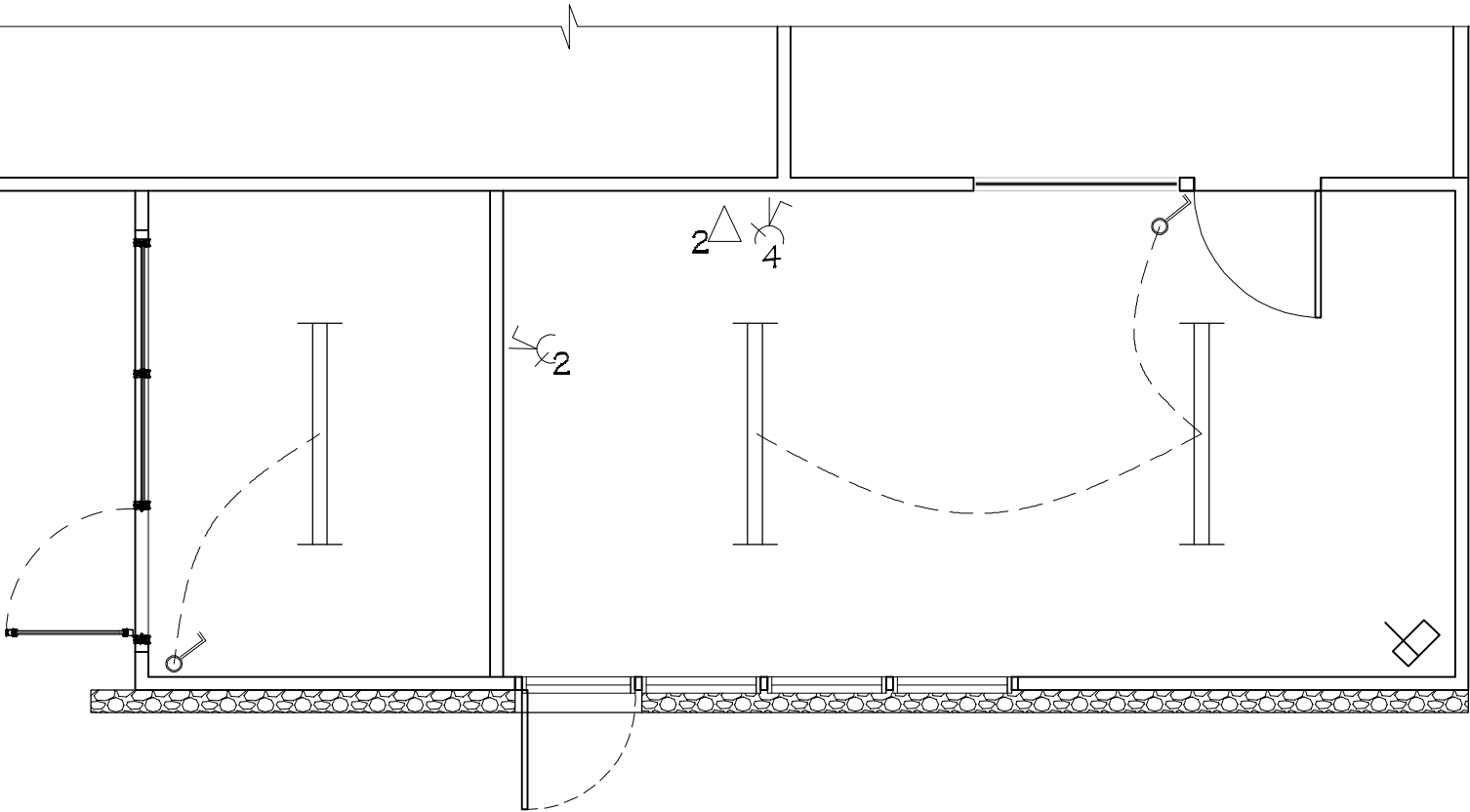
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Dwg Ref	2

Pricing/Building Consent  
Drawings

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

Electrical Plan

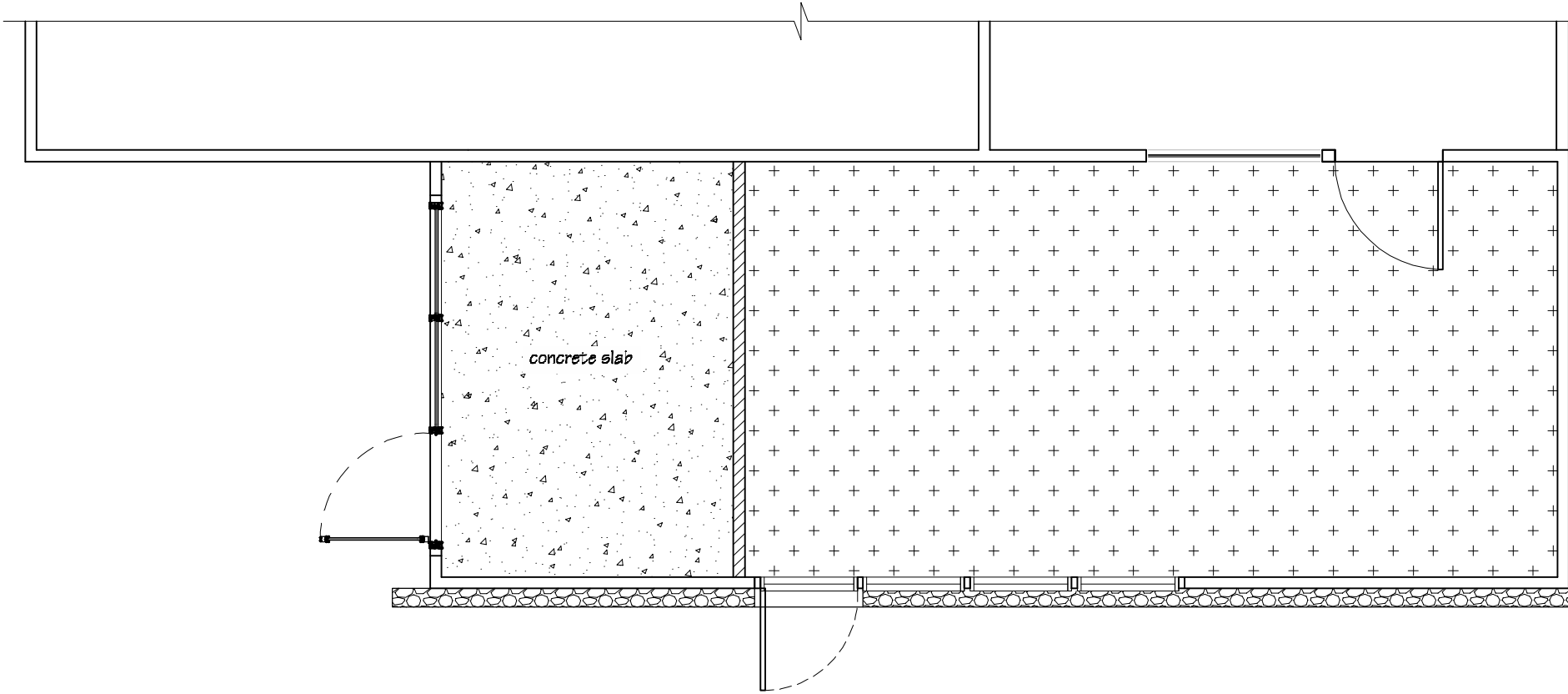
NOTE:  
For all new light circuits, a 30mA RCD must be used for protection.  
Ensure that all electrical work is undertaken in accordance with Ministry of Education Electrical Installation: Standard for Schools document; version 1.6 - October 2015.



LEGEND


- New LED light fittings; Light fittings to be Harvard LED NDL502 ceiling mounted.
- P.I.R. Sensor
- One way switch 10A flush mounted.
- Switched socket outlet 30mA RCD double, flush mounted, located 300mm above FFL.
- Switched socket outlet 30mA RCD quad, flush mounted, located 300mm above FFL.
- Double data outlets located 300mm above FFL.

Floor Coverings Plan



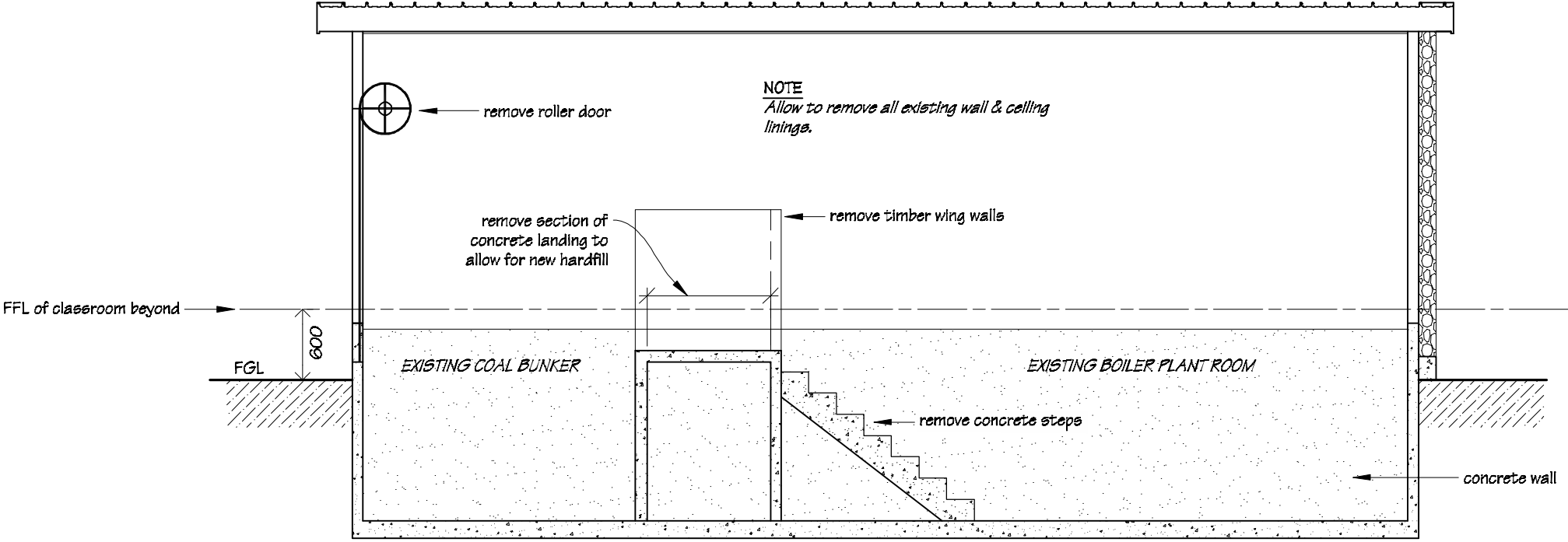
Floor Coverings Key

- Shaw Range carpet tiles.

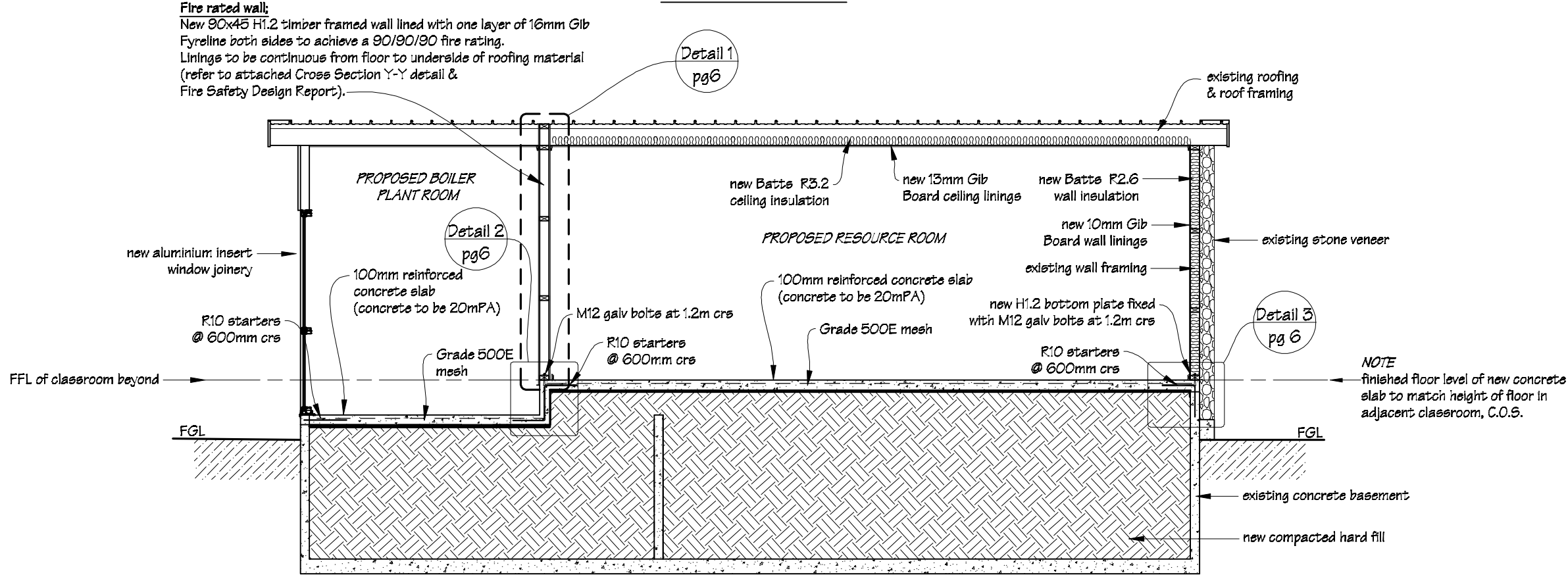
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	Mobile- Stephen 027-3355889					Original sheet size A3	
	Email- ian@irgroup.co.nz					Drawn S.T.	
	steve@irgroup.co.nz					Sheet No 3 of 12	
Web- www.irgroup.co.nz					Dwg Ref 3	Do not scale from drawings. Check all dimensions on site.	




Cross Section A-A 1

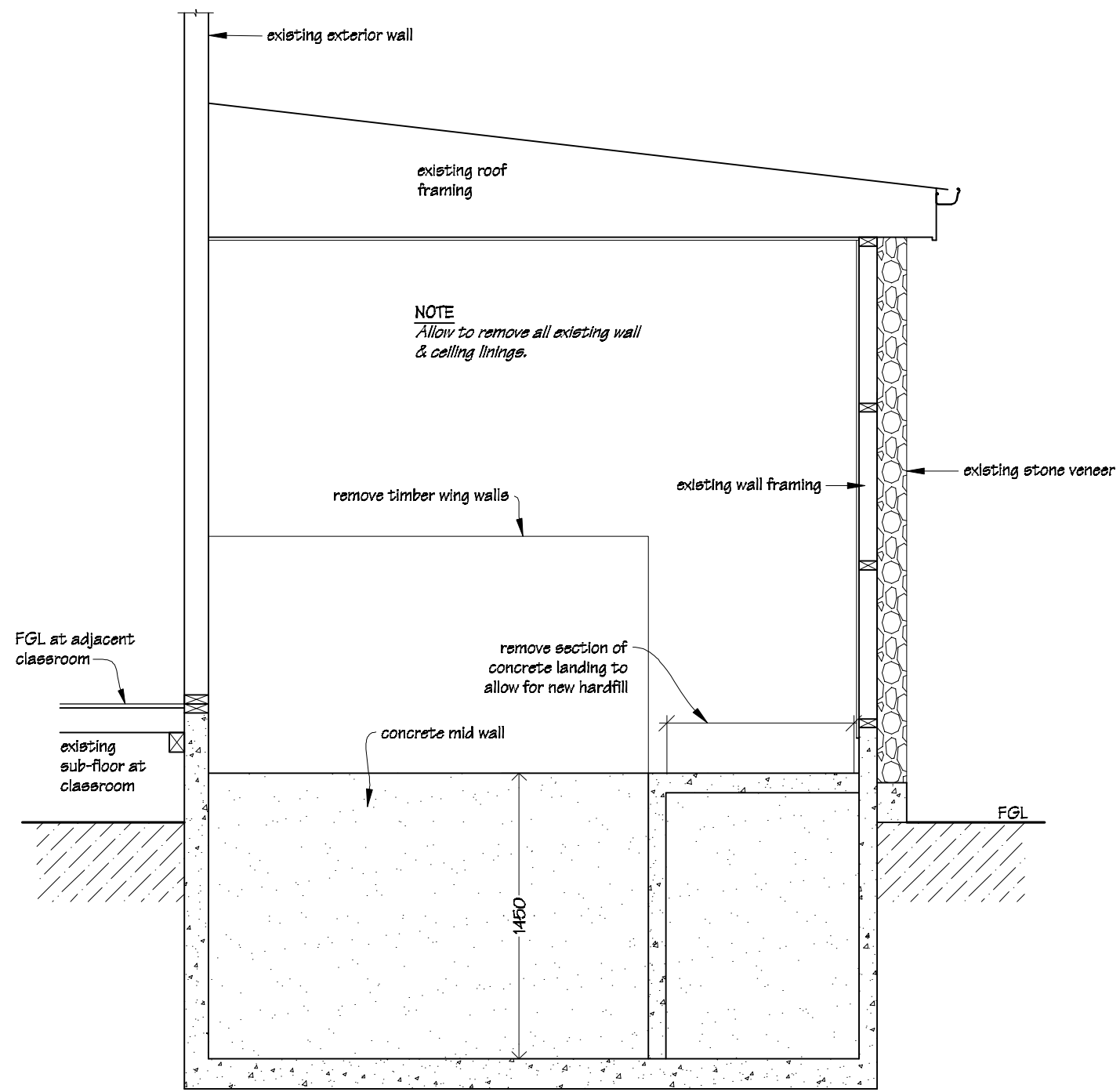


Cross Section A-A 2

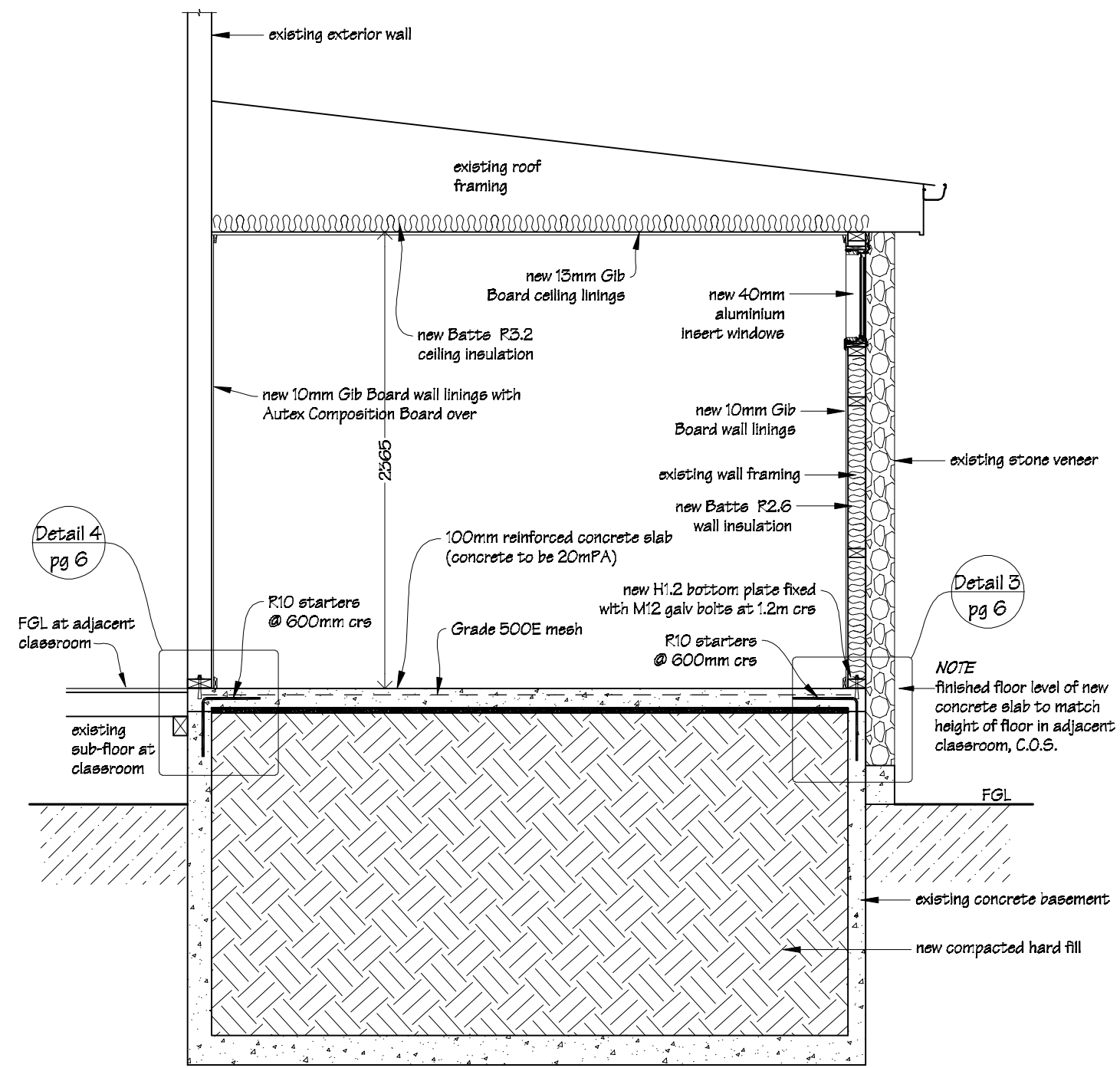



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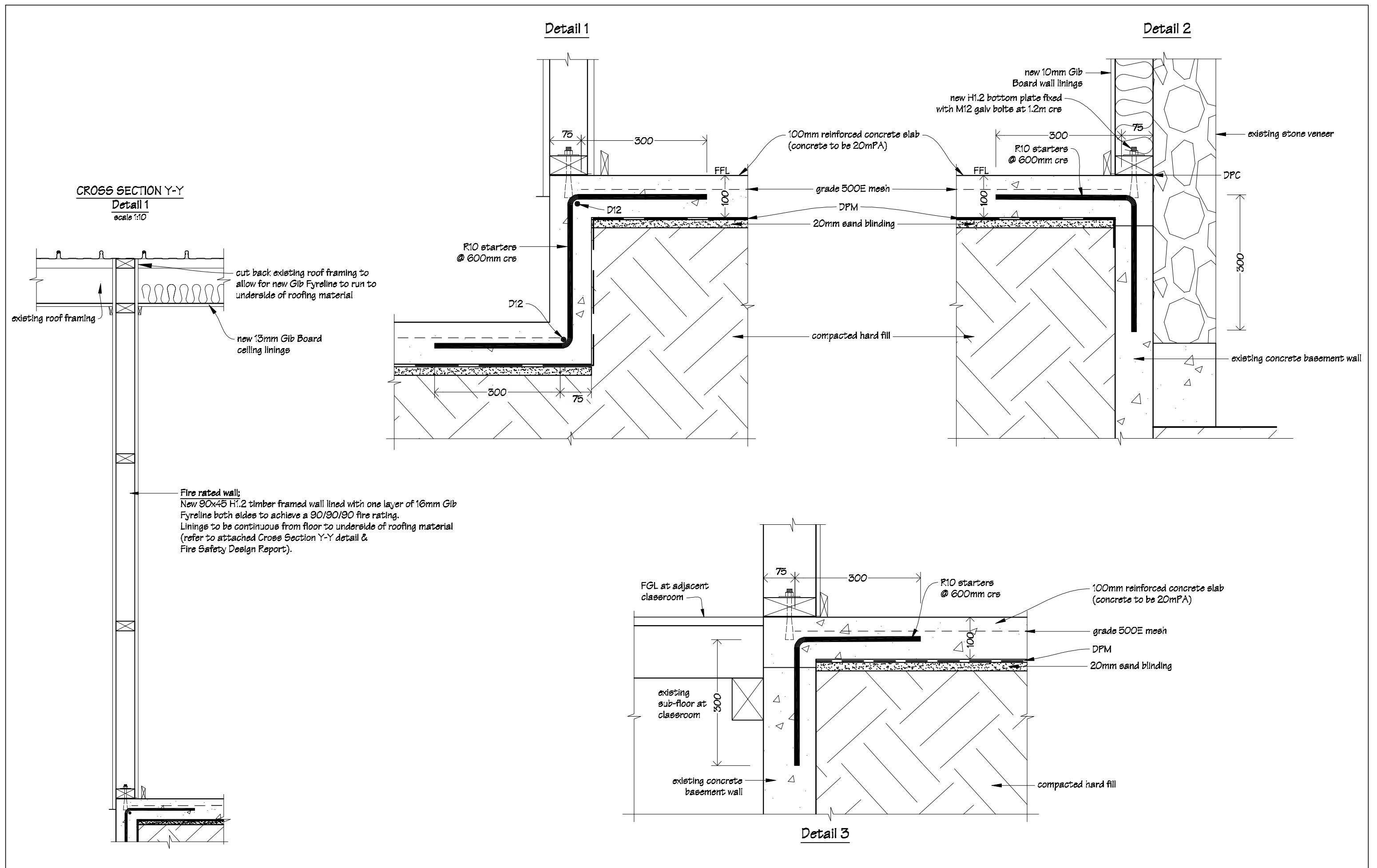
Cross Section B-B 1




Cross Section B-B 2



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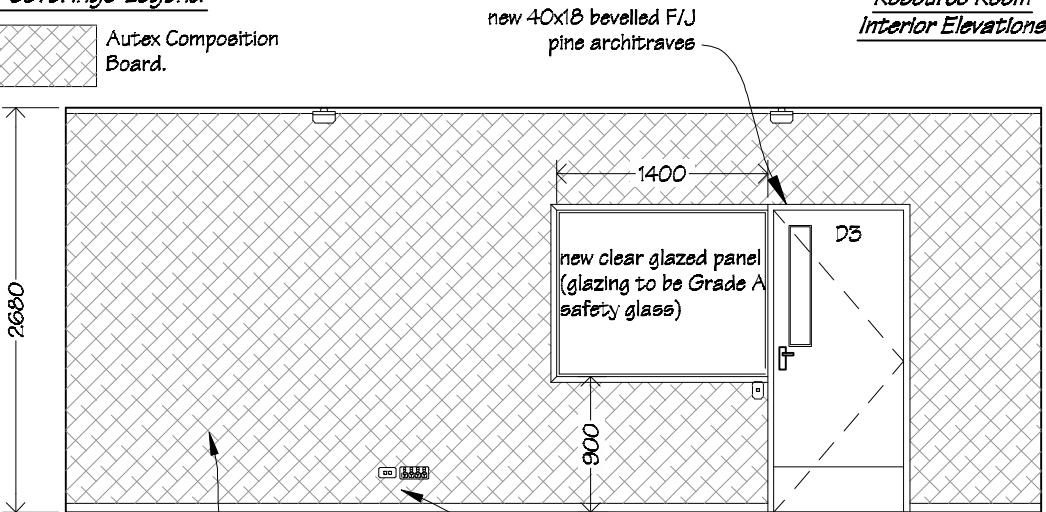


 <b>IR Group Ltd</b> <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	<b>South End School</b> 275 High Street South Carterton	<b>PROJECT</b>  Boiler Room Alterations	<b>DRAWING TITLE</b>  Plant Room/Resource Room Cross Section Details	<b>REVISIONS</b> <table><tr><th>No</th><th>Date</th><th>Description</th></tr><tr><td> </td><td> </td><td> </td></tr></table>	No	Date	Description				Scale 1:8	<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 6 of 12												
Web- www.irgroup.co.nz	Dwg Ref 6												

Wall Coverings Legend

Autex Composition Board.

Resource Room  
Interior Elevations

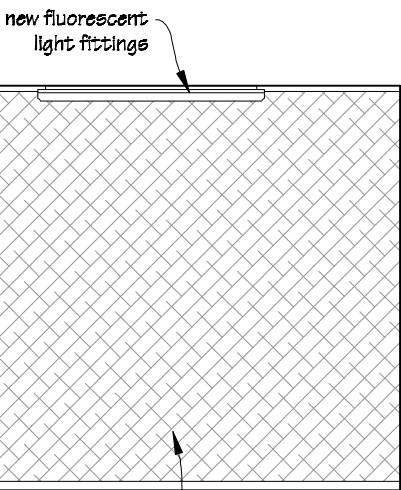


Elevation 1

new 10mm Gib Board wall linings with new Autex Composition Board over

data & power outlets

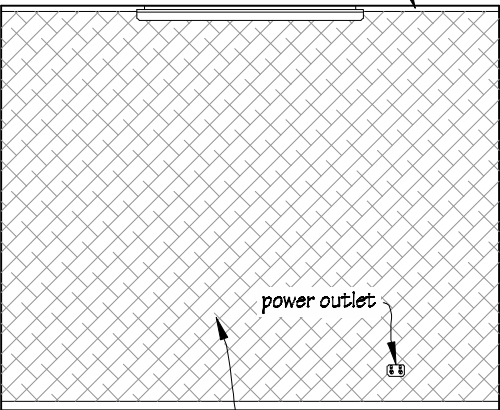
Painting:  
Allow to paint ceiling, timber door (D2), timber window & door frames, new and existing miscellaneous trim throughout.



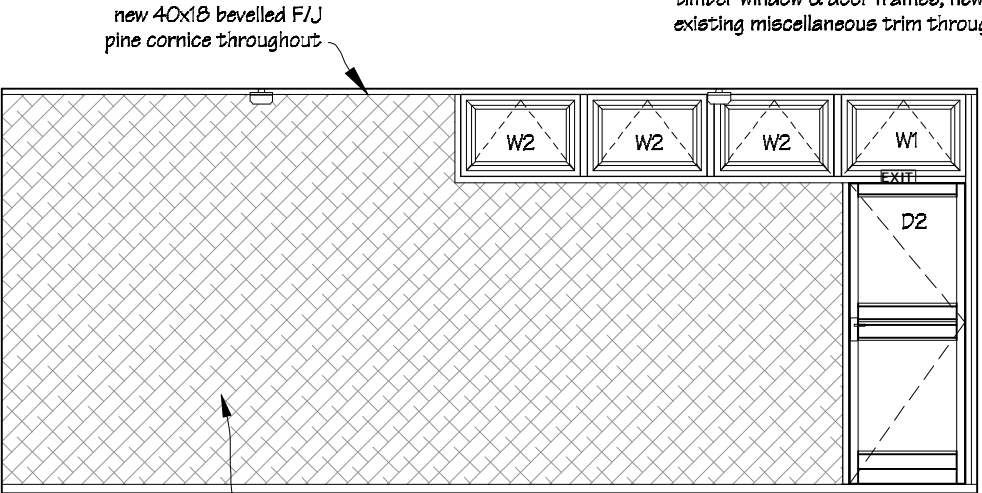
Elevation 2

new 10mm Gib Board wall linings with new Autex Composition Board over

13mm Gib Board ceiling linings



Elevation 4

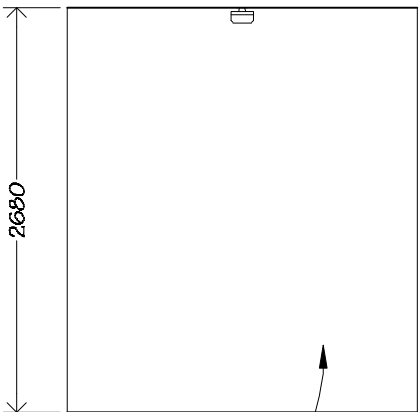


Elevation 3

new 10mm Gib Board wall linings with new Autex Composition Board over

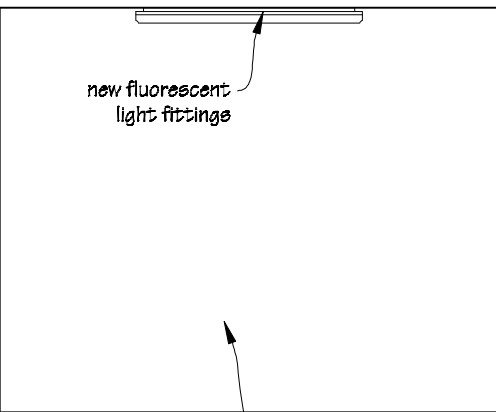
new 60x18 splayed F/J pine skirtings throughout

Plant Room  
Interior Elevations



Elevation 1

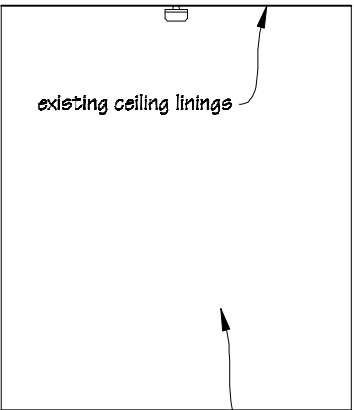
existing Gib Fyrelime wall linings



Elevation 2

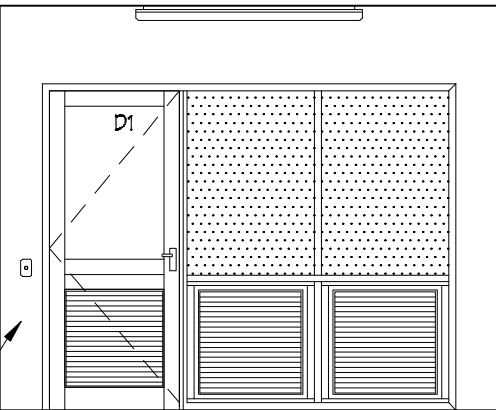
new 16mm Gib Fyrelime wall linings

Painting:  
Allow to paint interior walls & ceiling.



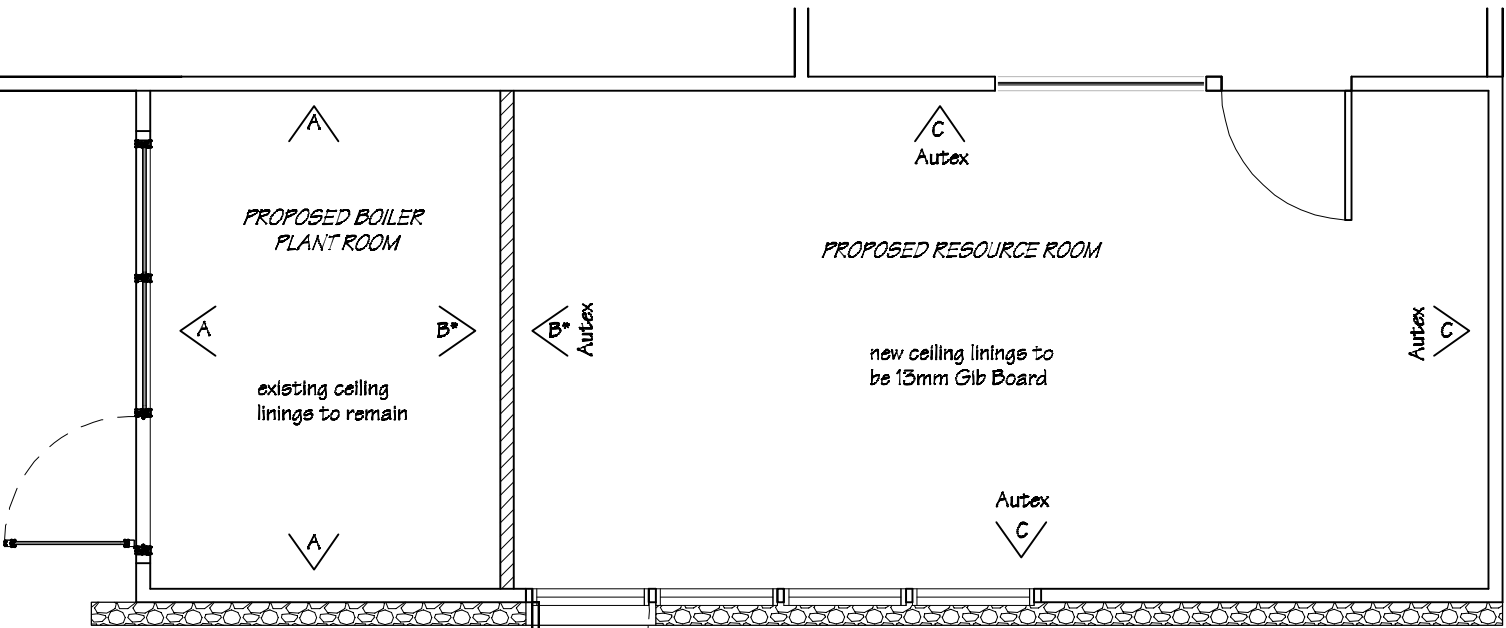
Elevation 3

existing Gib Fyrelime wall linings



Elevation 4

Plant Room & Resource Room  
Interior Linings Plan



- A Existing wall linings.
- B 1 x layer of 16mm Gib Fyrelime \*.
- C 10mm Gib Board wall linings.

Autex - Indicates Autex Composition Board over Gib.

\* 1 x layer of 16mm Gib Fyrelime both sides of new timber framed wall to give a 90/90/90 fire rating. Refer to cross section Y-Y details. (also refer to the attached electrical plan and the Viehnu Fire Safety report).



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

South End School  
275 High Street South  
Carterton

PROJECT  
Boiler Room Alterations

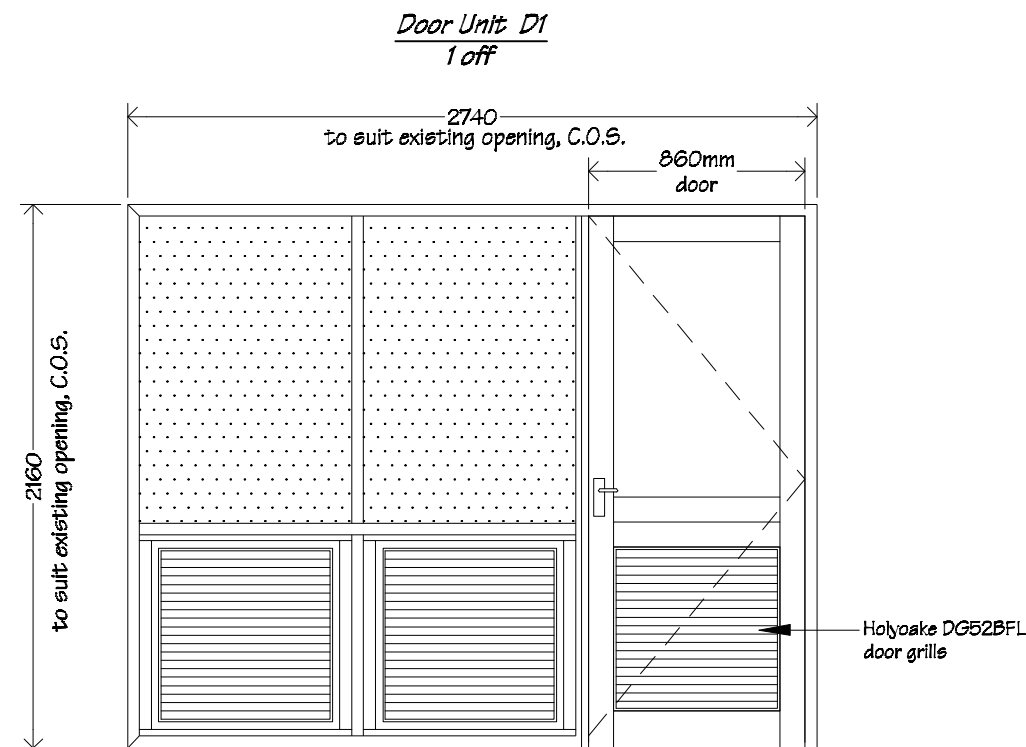
DRAWING TITLE  
Resource Room & Plant Room  
Interior Elevations & Interior  
Linings Plan

REVISIONS  
No Description

Scale as shown  
Date 07/06/17  
Original sheet size A3  
Drawn S.T.  
Sheet No 7 of 12  
Dwg Ref 7

Pricing/Building Consent  
Drawings  
Do not scale from drawings.  
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*Door Unit D1 to be Nulook 100mm Frontline aluminium window joinery with Magnum door and Holoake DG52BFL door grilles to lower section of unit.*

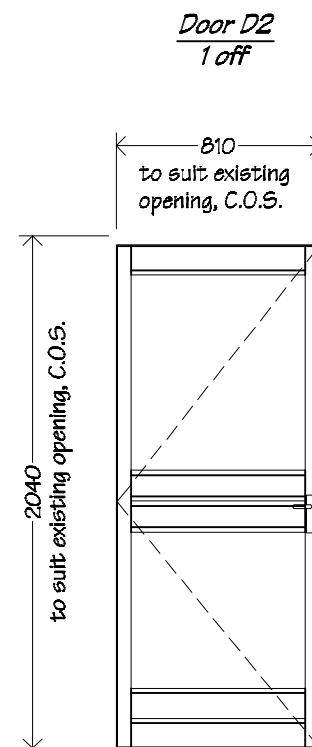
*Door & frame to be pc aluminium.*

*Door unit to be fitted with the existing timber door frame to front of boiler room. Check dimensions on site.*

*Glazing to be single glazed Grade A safety obscure glass.*

*Refer to drawings for handing.*

*Refer to spec for hardware.*

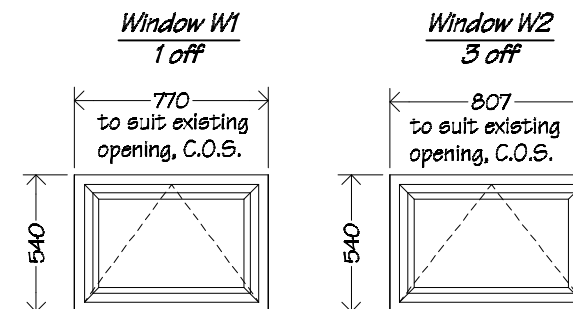


*Door D2 to be double glazed powder coated aluminium 810mm Magnum door to suit existing opening.*

*Glazing to be double glazed Grade A safety glass.*

*Refer to drawings for handing.*

*Refer to spec for hardware.*



*Windows W1 & W2 to be p.c. 40mm Commercial suite aluminium insert windows with opening sashes to suit existing timber frames.*

*Windows to suit existing timber frames where louver windows have been removed. Check dimensions on site.*

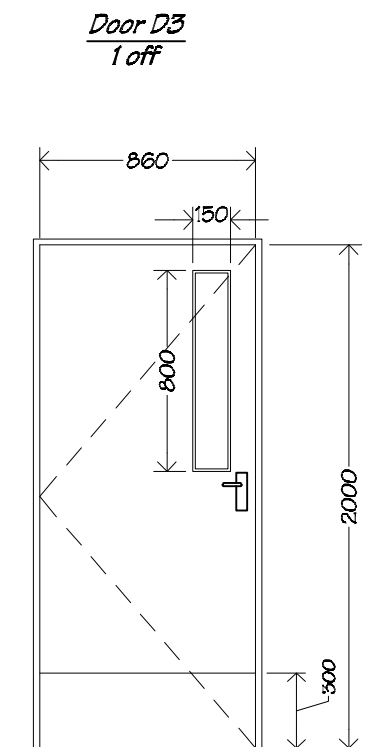
*Glazing to be double glazed Grade A safety clear glass.*

*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*

*Refer to drawings for handing.*

*Refer to spec for hardware.*




*Door D3 to be a paint quality, solid core interior timber door in timber frame.*

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

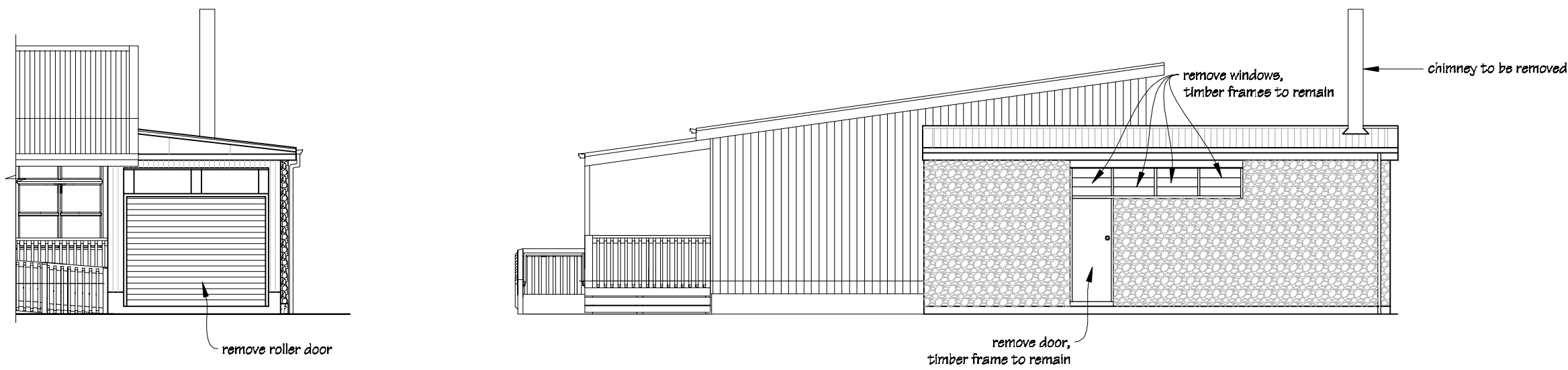
*Glazing to be single glazed Grade A safety clear glass.*

*For furniture, hook & lock see spec.*

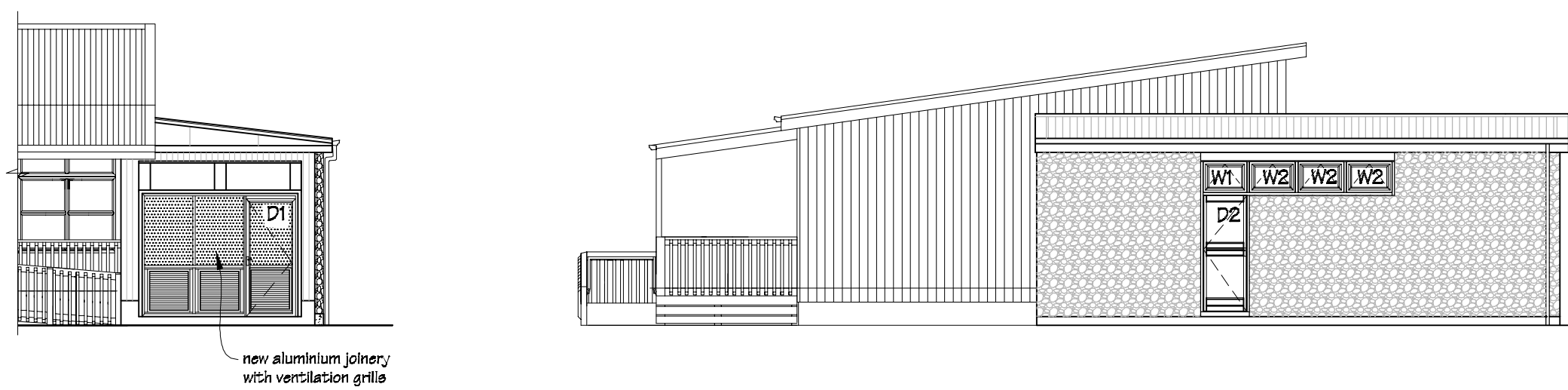
*Refer to floor plan for handing.*


 <b>IR Group Ltd</b> <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	<b>South End School</b> <b>275 High Street South</b> <b>Carterton</b>	<b>PROJECT</b>  <b>Boiler Room Alterations</b>	<b>DRAWING TITLE</b>  <b>Plant Room/Resource Room</b> <b>Door &amp; Window Schedule</b>	<b>REVISIONS</b> <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 1:50	<b>Pricing/Building Consent Drawings</b>
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	steve@irgroup.co.nz					Sheet No 8 of 12							
www.irgroup.co.nz	Dwg Ref 8												
Web-													

Existing Exterior Elevations

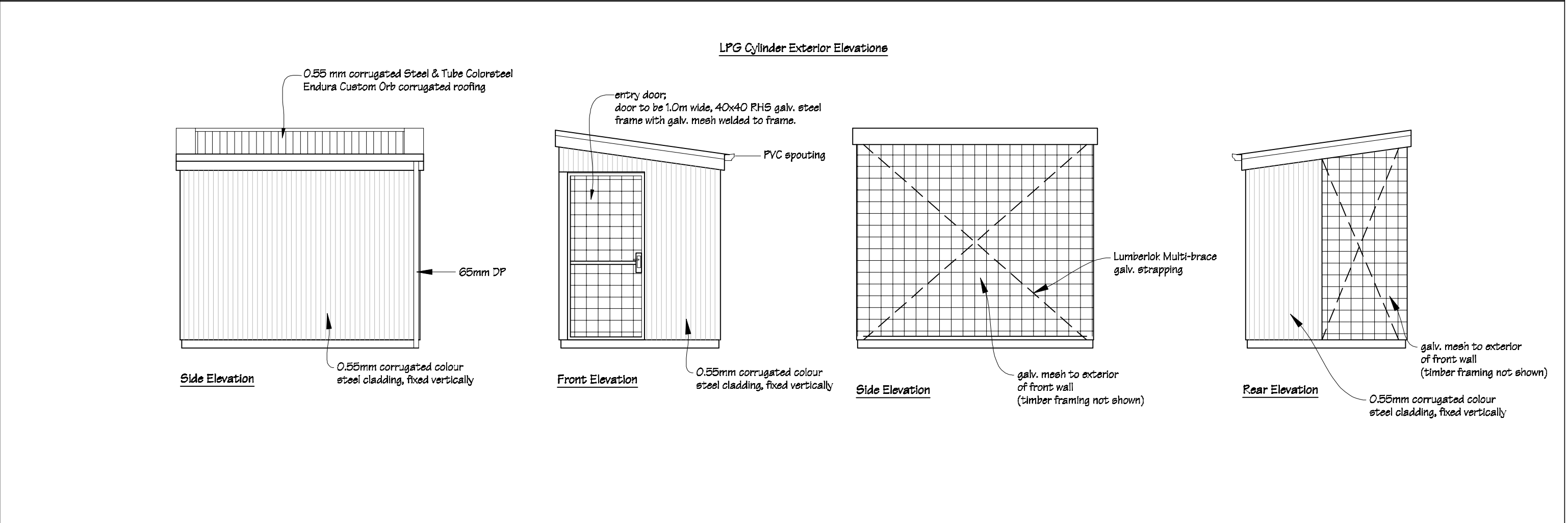
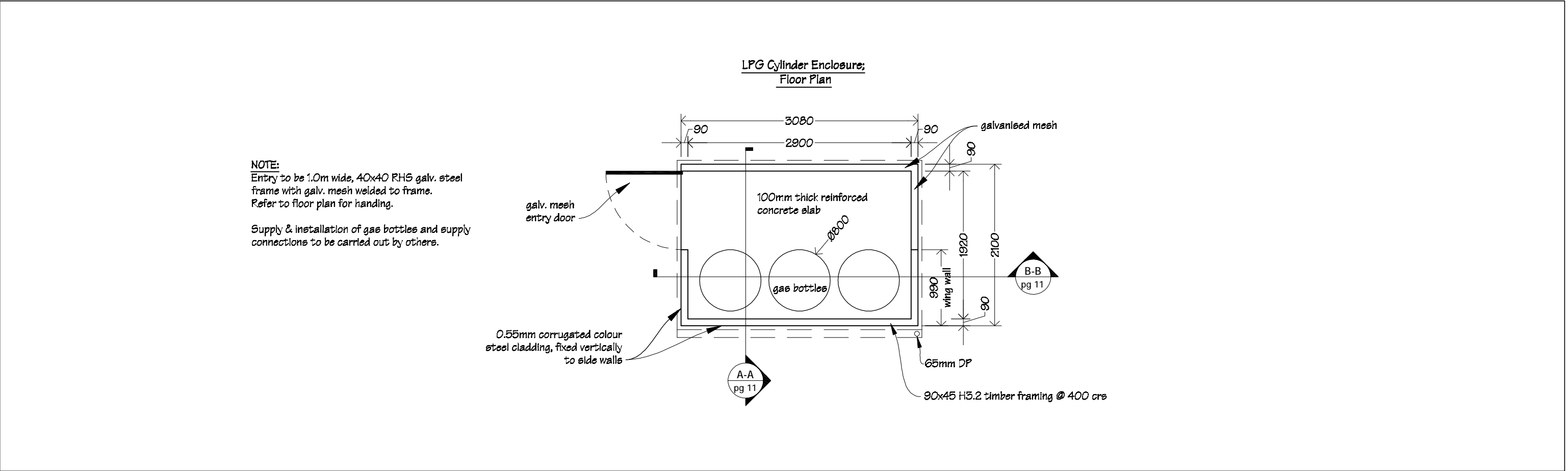



Proposed Exterior Elevations



 IR Group Ltd <small>Design - Project Management - Planning</small>	Phone- Office 04 526-7711	South End School 275 High Street South Carterton	PROJECT  Boiler Room Alterations	DRAWING TITLE  Plant Room/Resource Room 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 07/06/17	
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	<a href="mailto:steve@irgroup.co.nz">steve@irgroup.co.nz</a>					Sheet No 9 of 12	
	Web- <a href="http://www.irgroup.co.nz">www.irgroup.co.nz</a>					Dwg Ref 9	





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					Date	07/06/17	
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					Sheet No	10 of 12	
					Dwg Ref	10	

Purlin fixings to be 2/90x3.15 skew nails + 2 wire dogs  
All timber sections to be H3.2, SG8.



PROJECT
Boiler Room Alterations

REVISIONS		
No	Date	Description

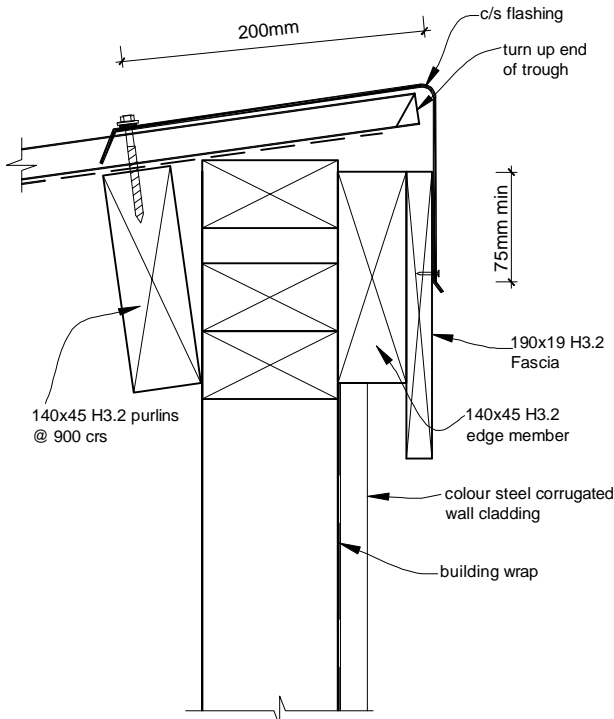
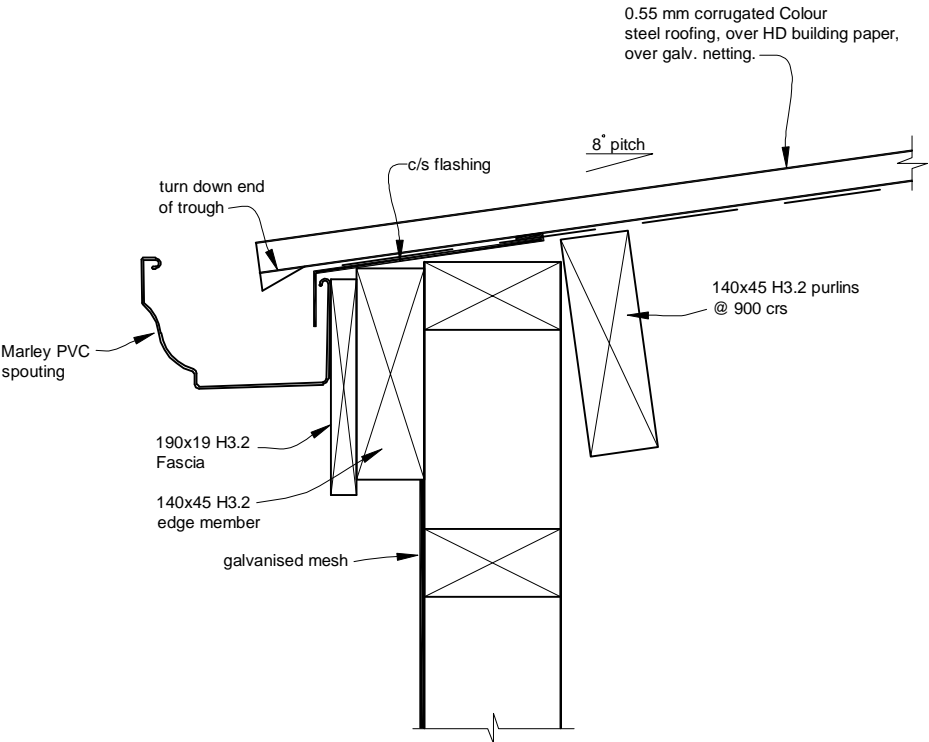
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Pricing/Building Consent  
Drawings

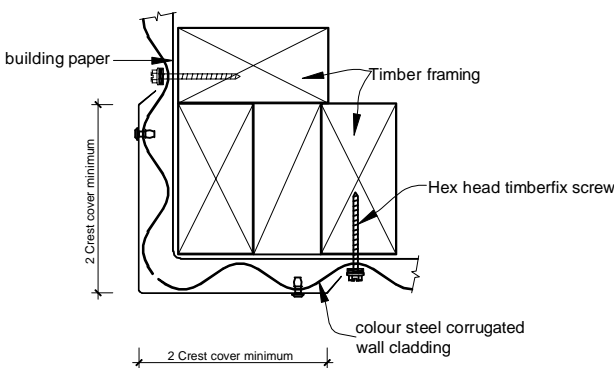
*Do not scale from drawings.  
Check all dimensions on site.*

NOTES:  
Purlin fixings to be 2/90x3.15 skew nails + 2 wire dogs

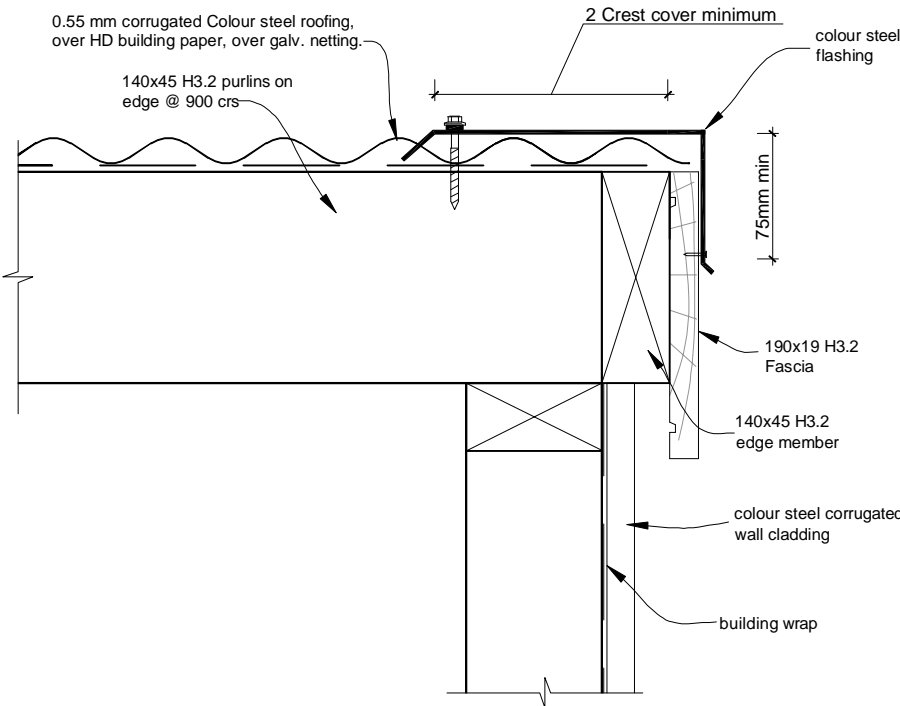
**Detail 1**  
scale 1:5



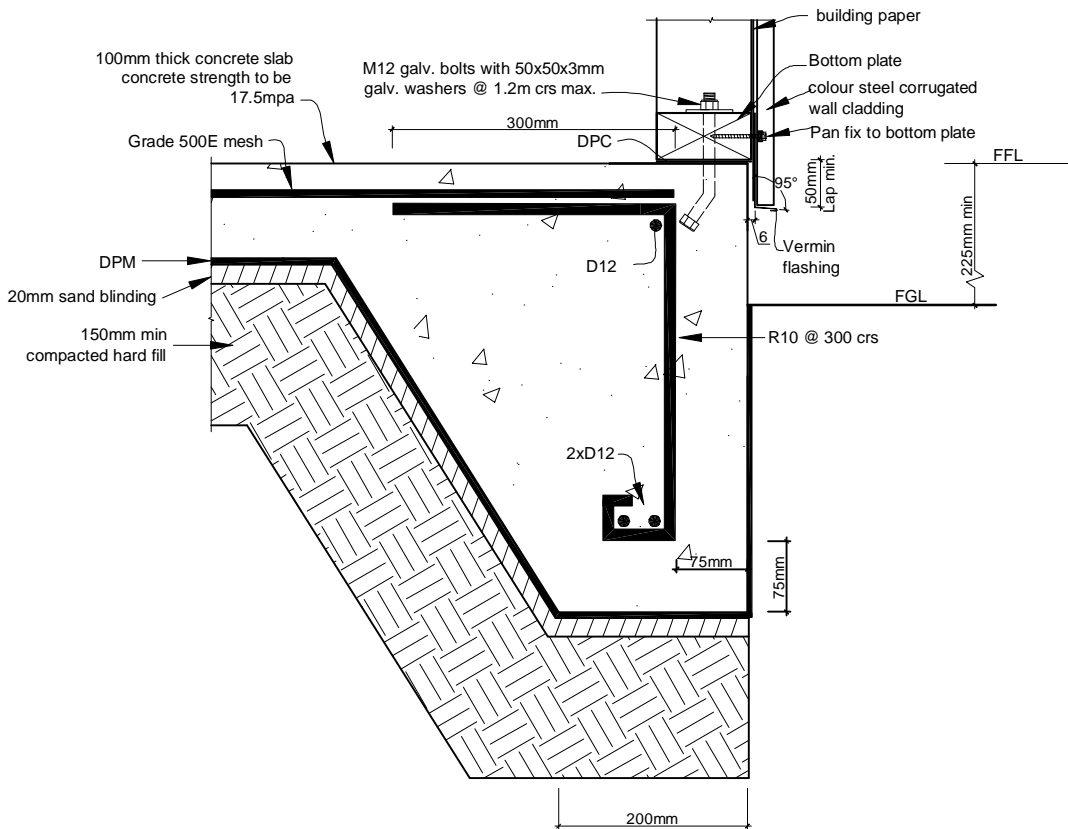
**External Corner Detail**  
scale 1:8




**Typical Barge Detail 3**  
scale 1:5



**Bottom of Cladding & Footing**  
**Detail 4**  
scale 1:8



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	steve@irgroup.co.nz					Sheet No	12 of 12	
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