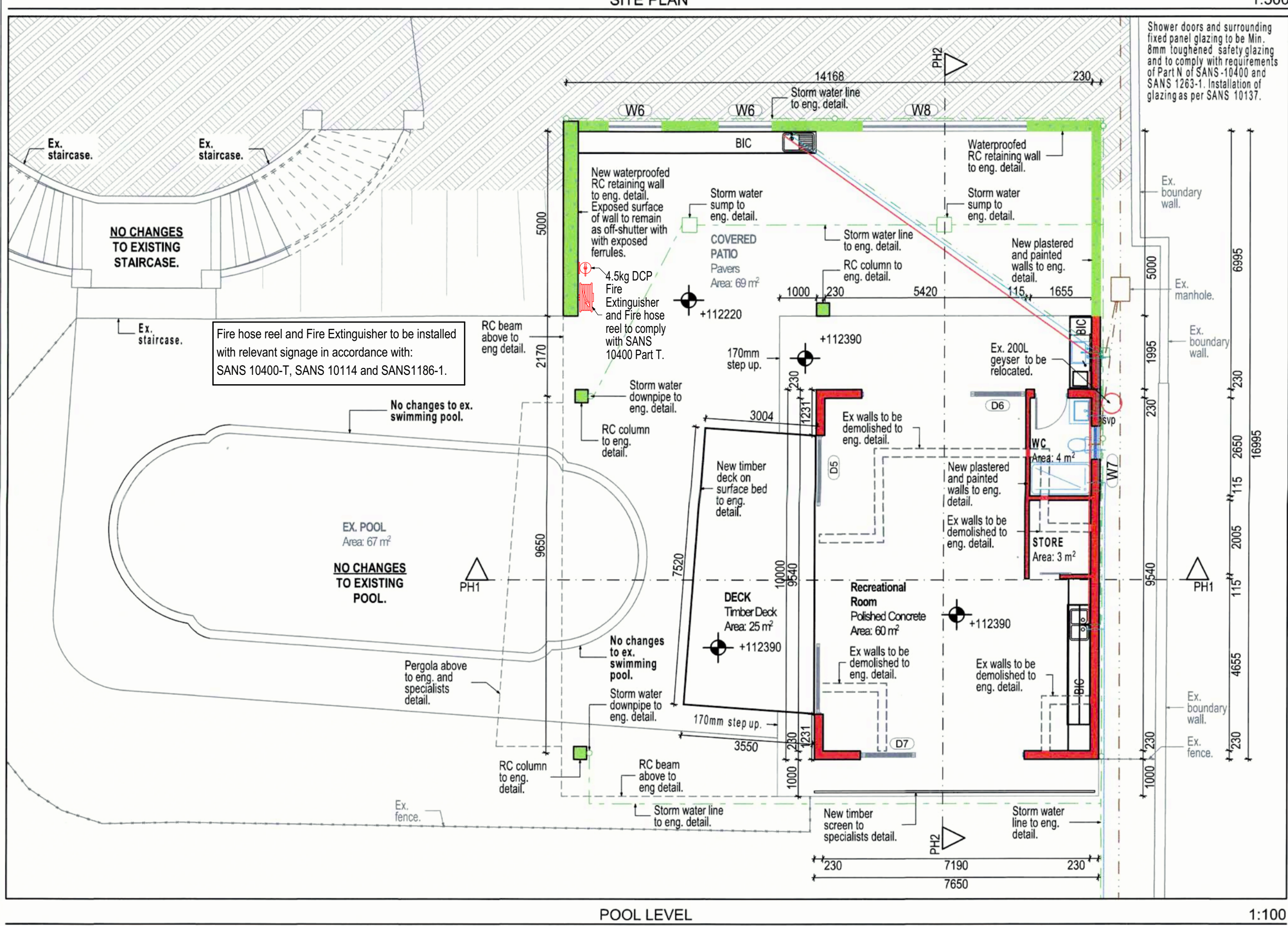
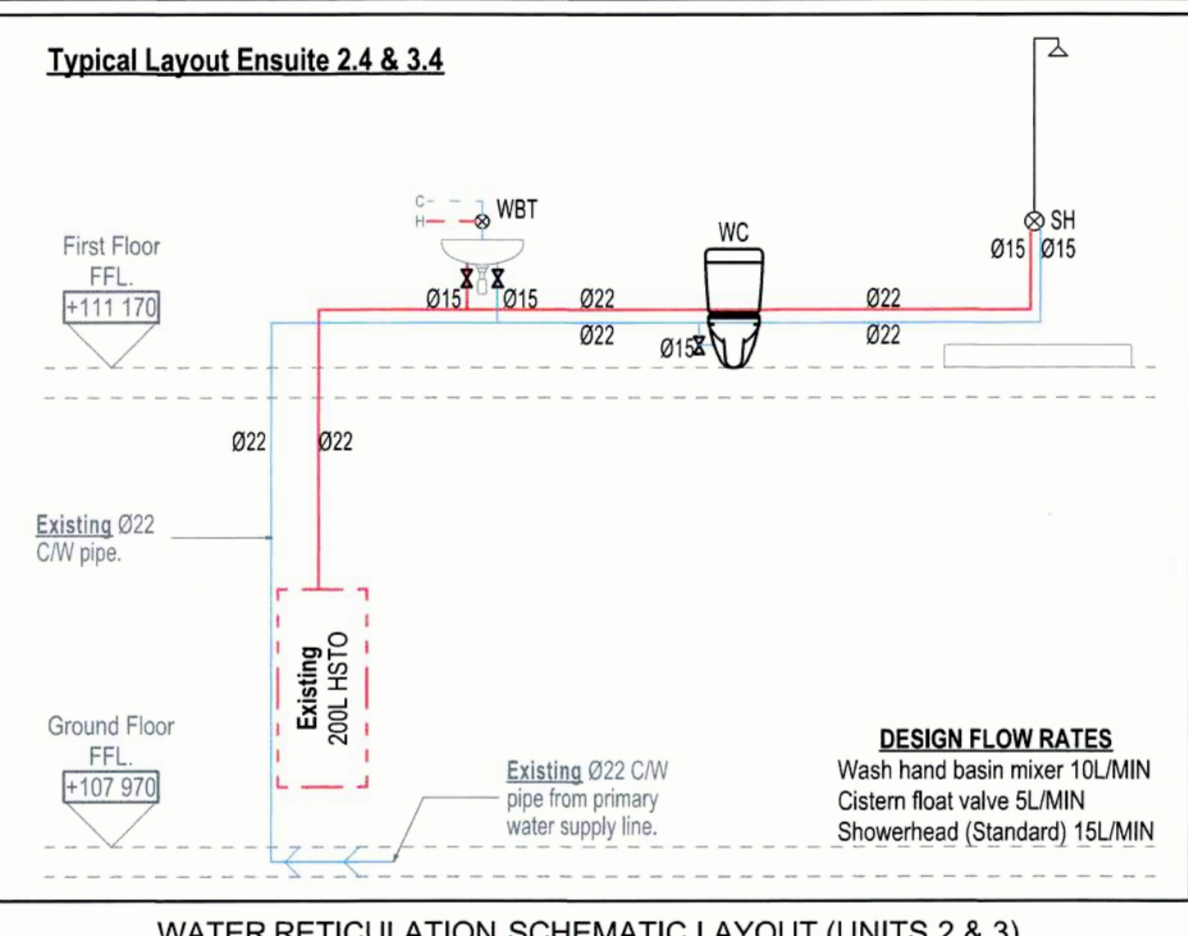
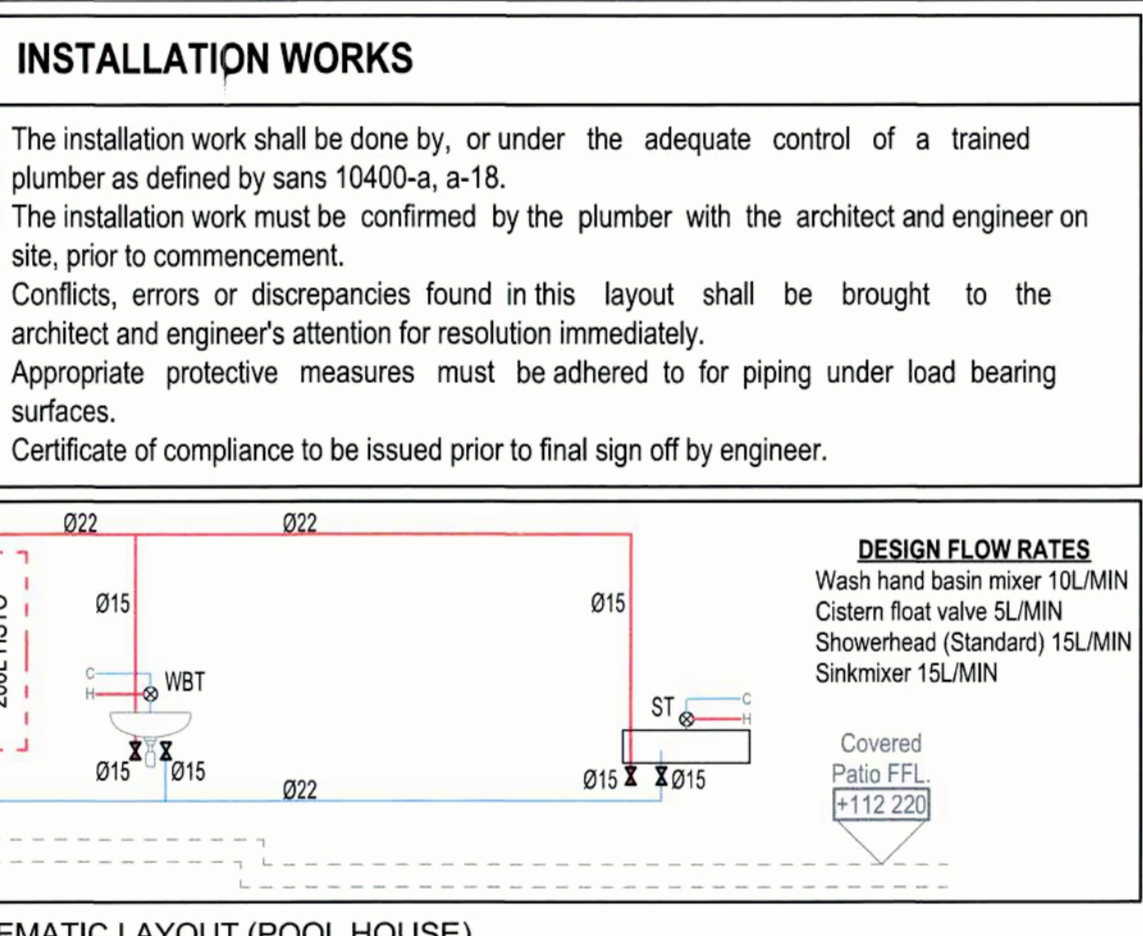
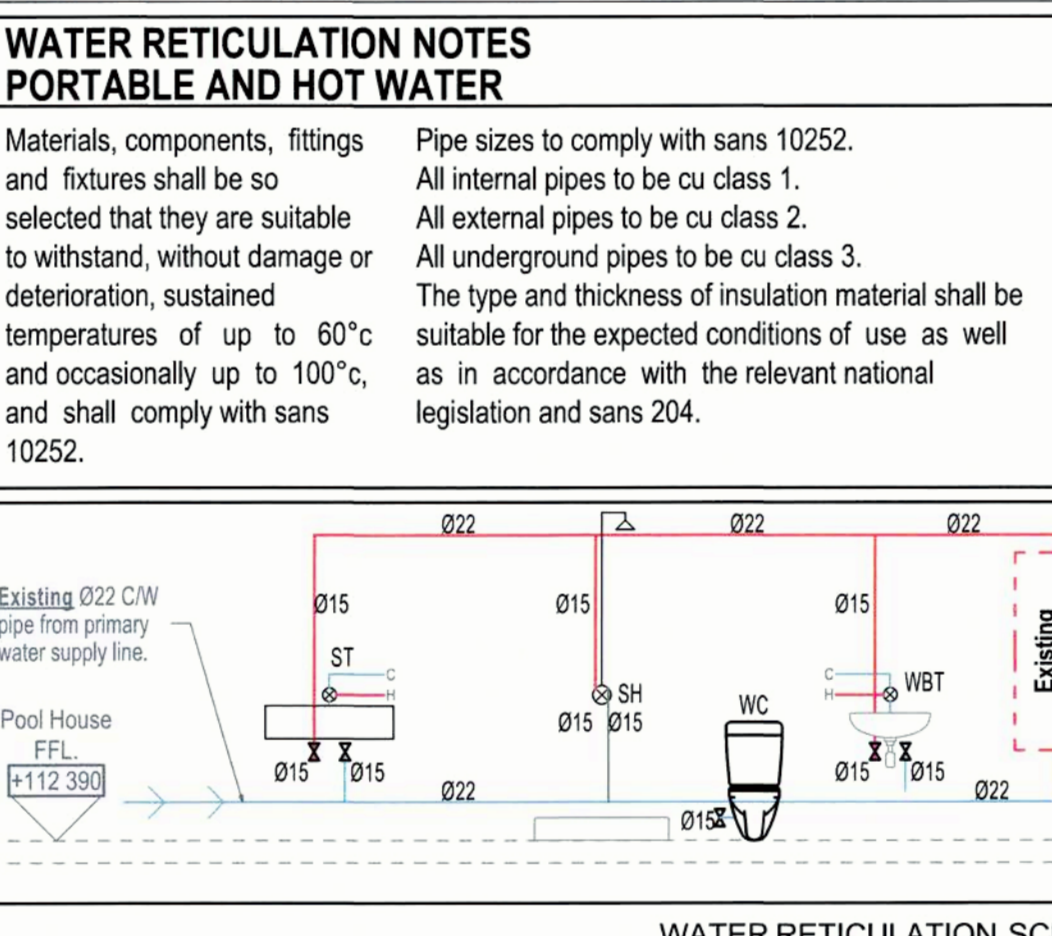
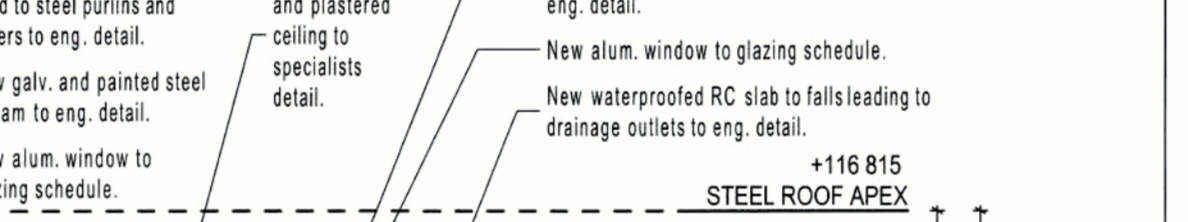
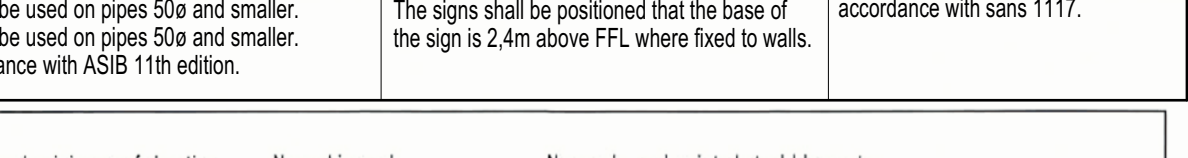
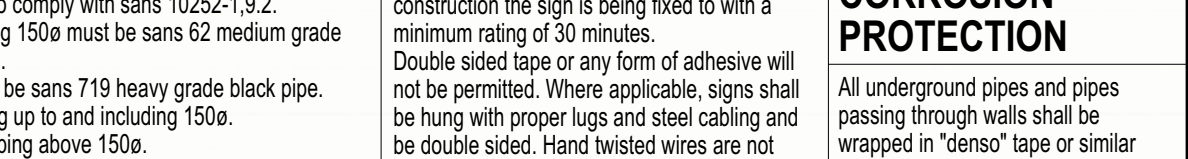
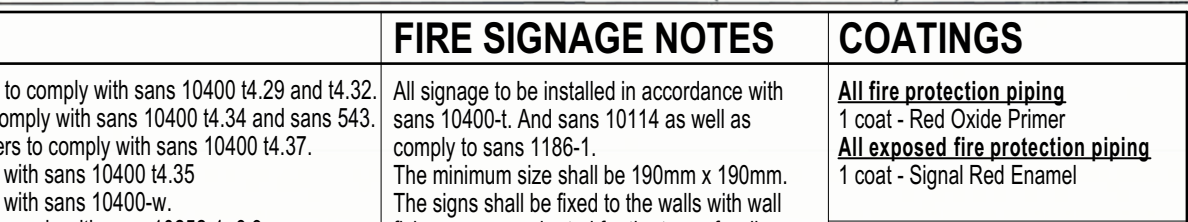
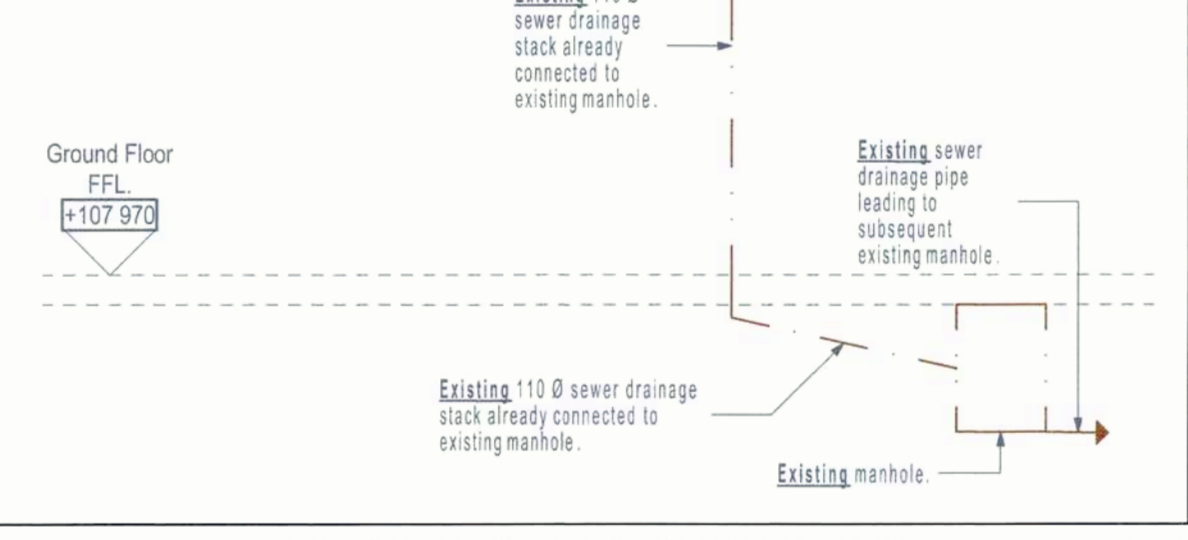
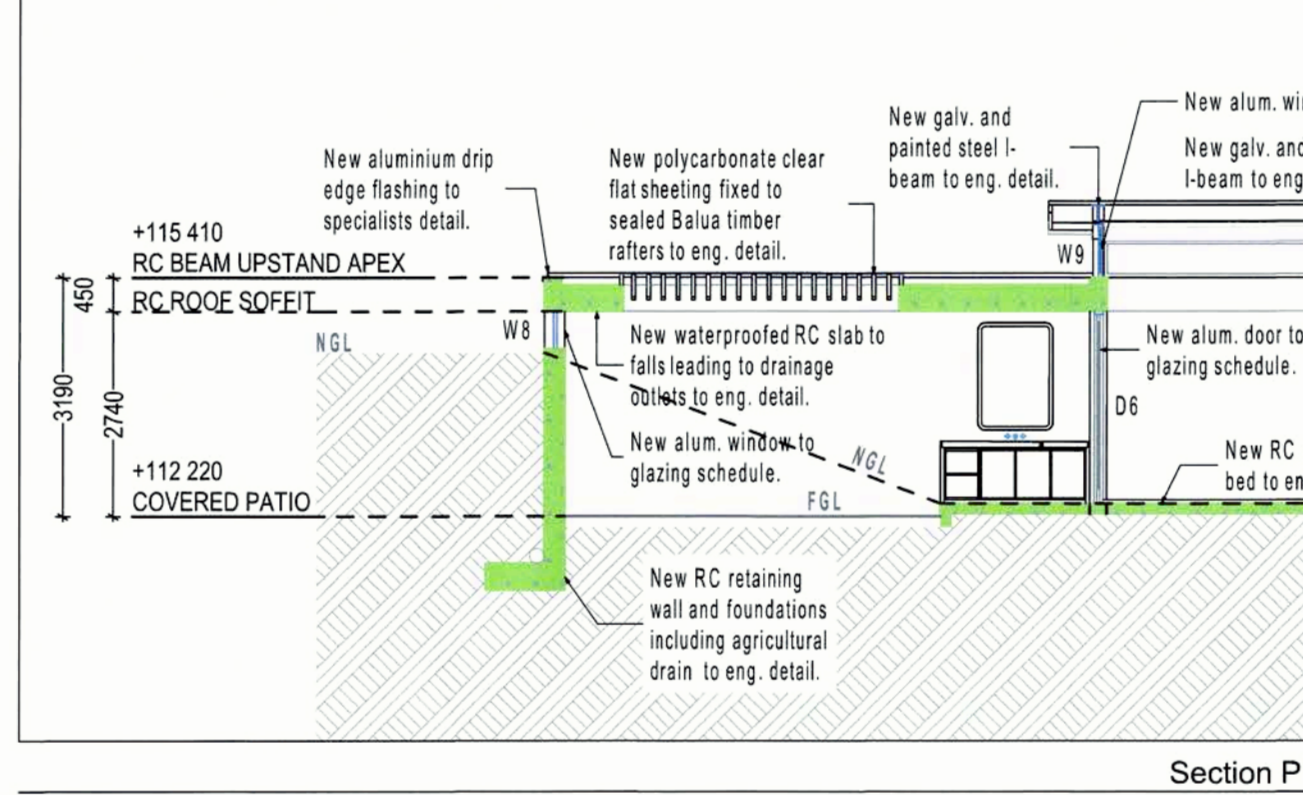
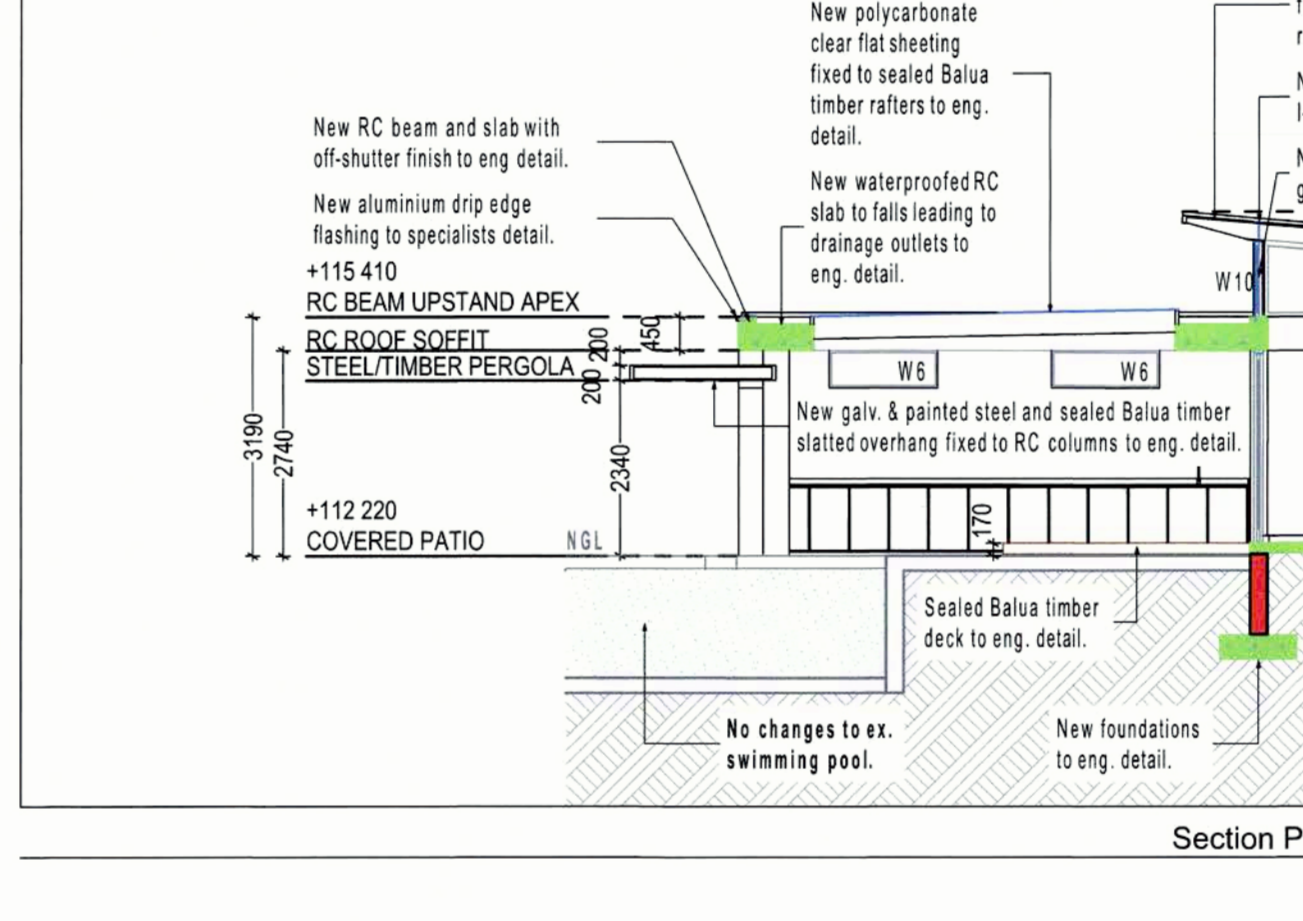
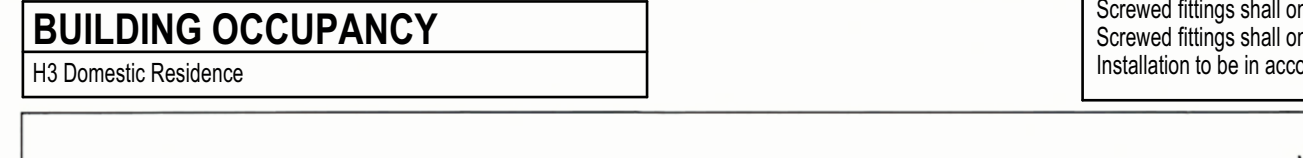
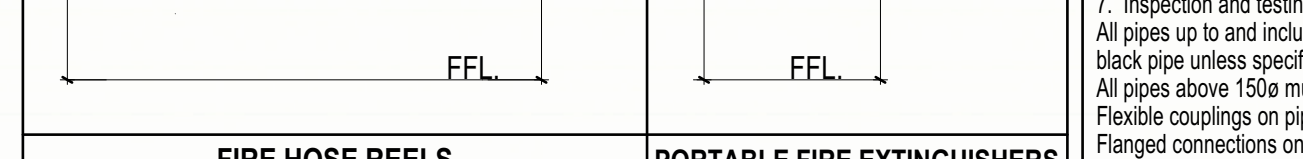
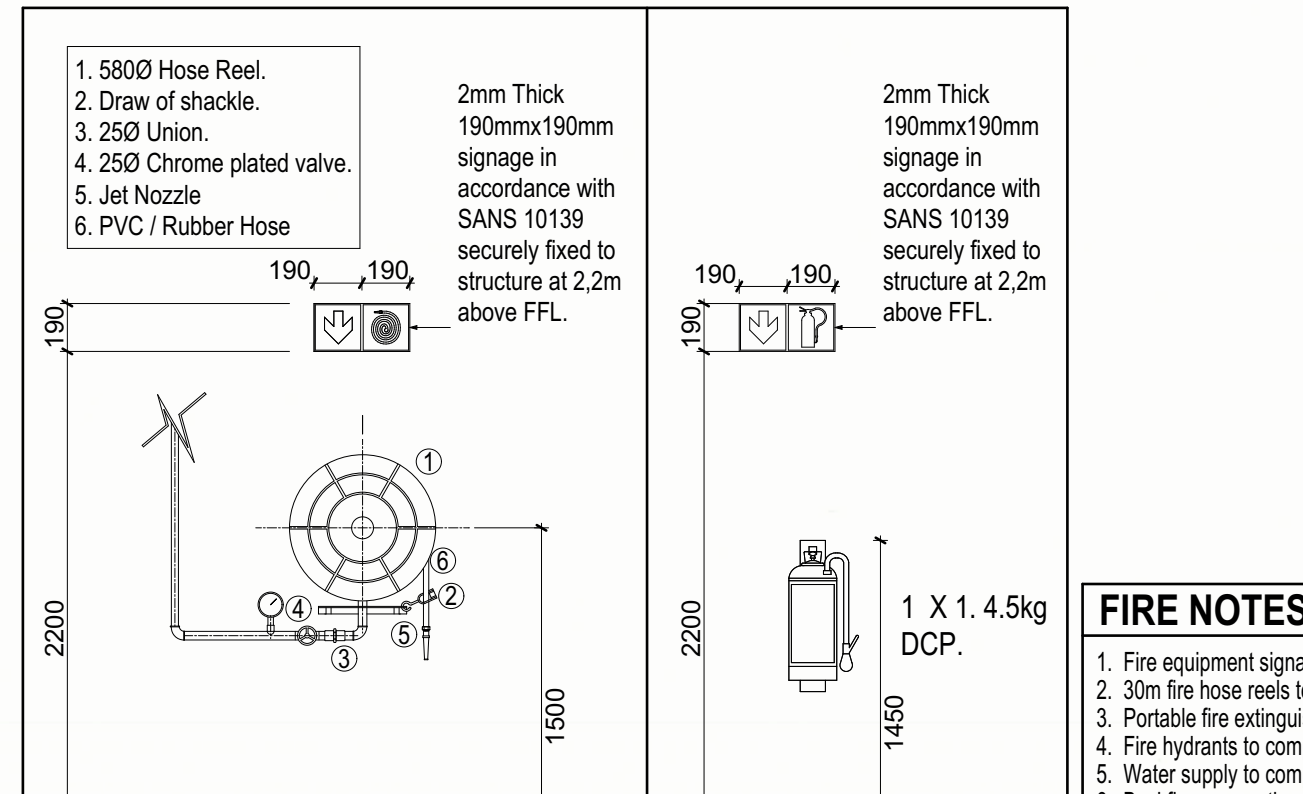
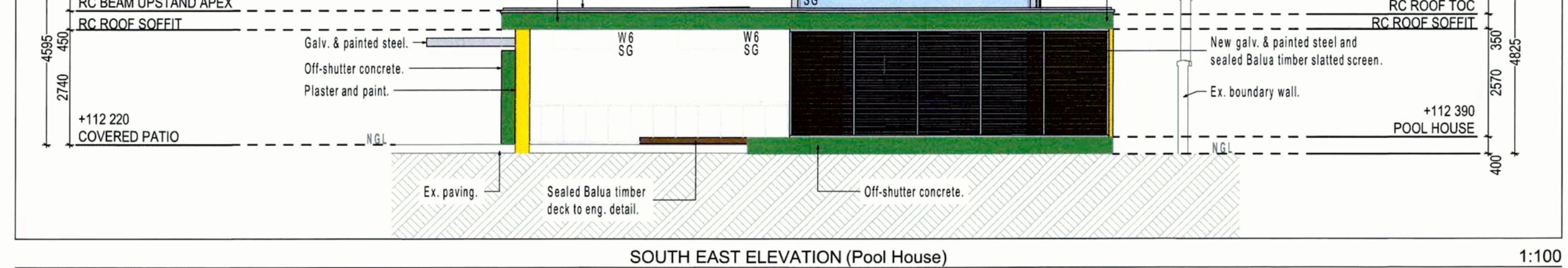
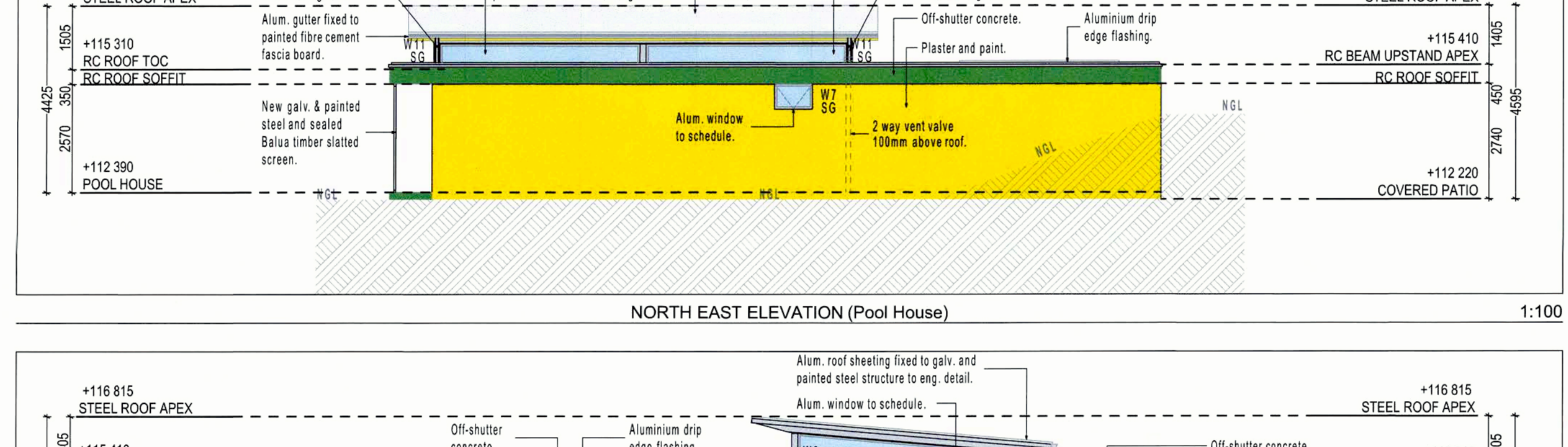
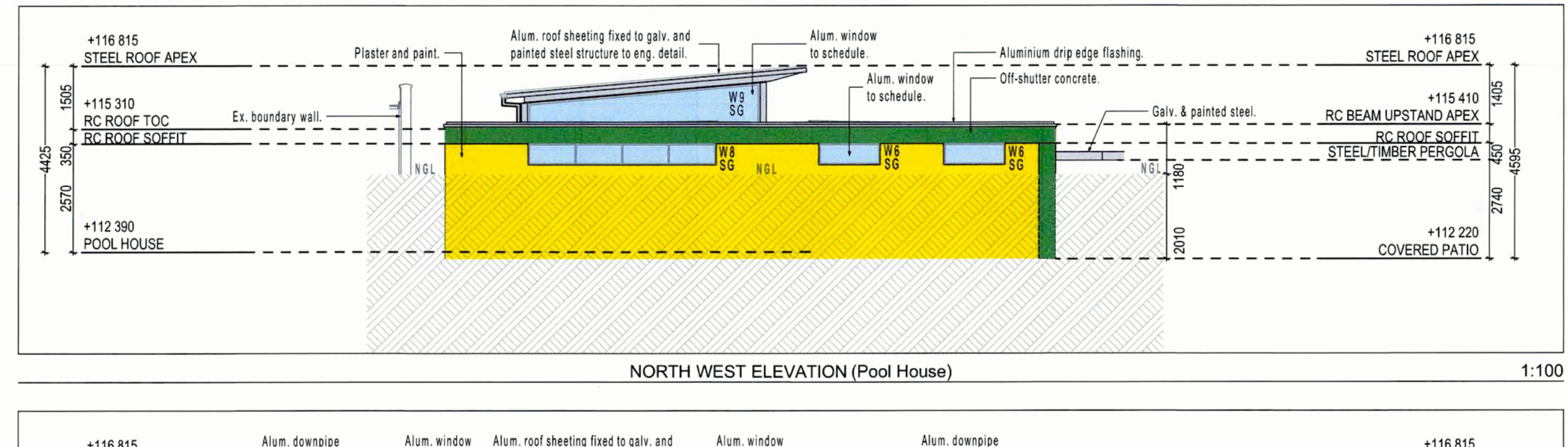
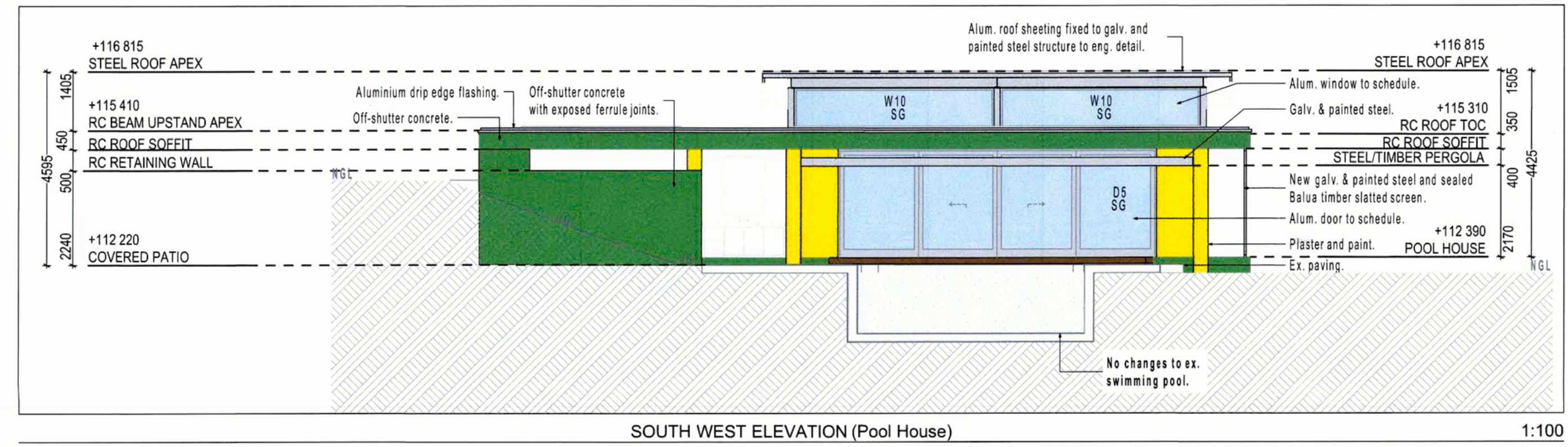
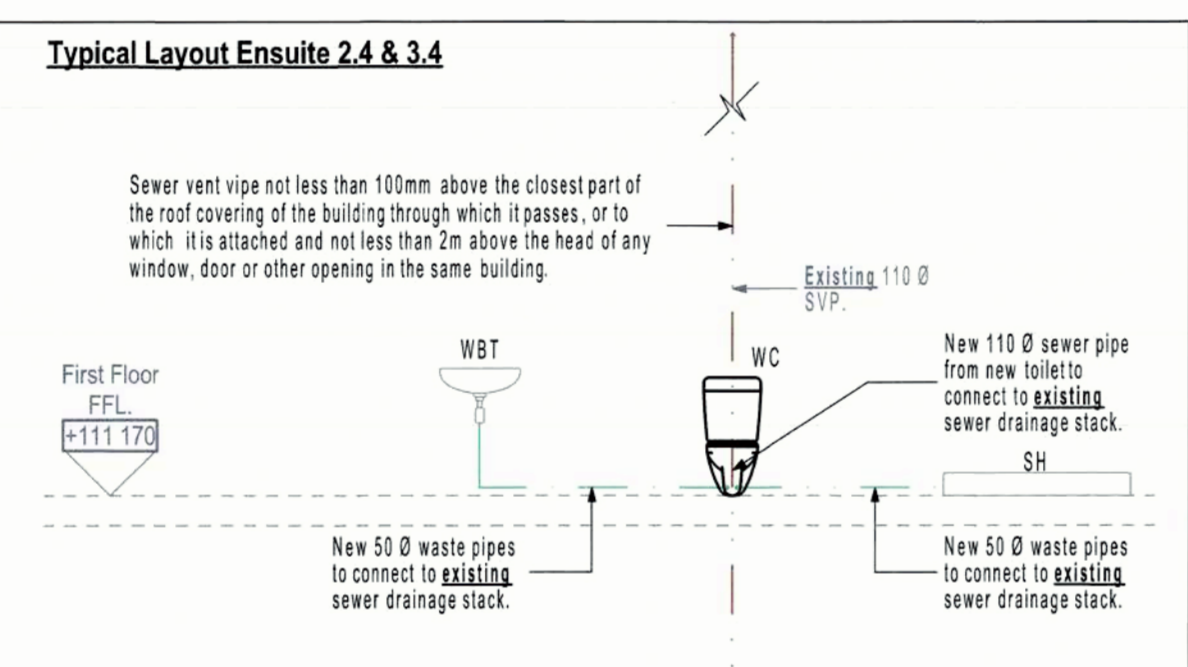
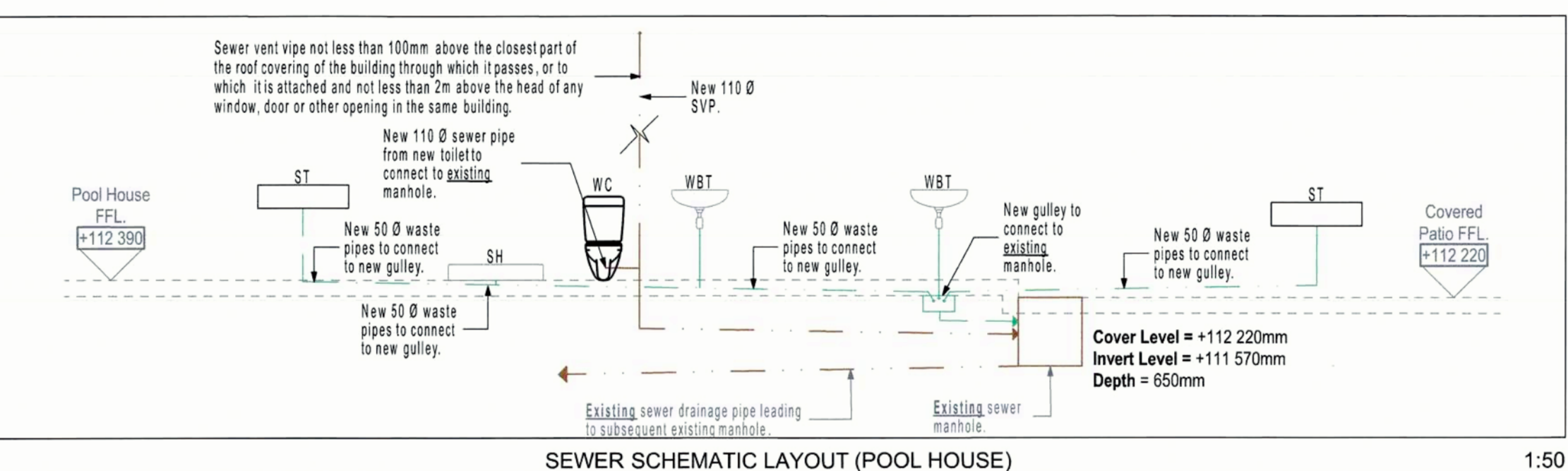


SANS 20252-1 ABBREVIATIONS		SANS 10252-1 WATER LEGEND	
BT	Tap (bath)		Pipe carrying cold water
SH	Shower (taps and showerhead)		Pipe carrying hot water
BTT	Bidet (taps and spouts)		Riser pipe (carrying cold water)
ET	External tap		Riser pipe (carrying hot water)
HSTO	Hot water storage tank		Mixer (single manual controls, single lever)
ST	Tap (sink)		Shower (fixed)
WBT	Tap (wash-hand basin)		Stop cock
WC	Water closet		Water meter
			Including valve (screwed ends) (manual control)



**MODUS OPERANDI FOR POOL HOUSE**  
Structure ancillary to the pool.  
Used for the following purposes:  
General recreation and relaxation.  
Storage of pool and recreational equipment.  
Dressing and showering of pool users.  
WC facility.  
Casual dining.

**DRAINAGE**  
1. All sewer and waste drainage to comply with sANS 10400-p.  
2. All drainage installations shall be in accordance with the municipal by-laws.  
3. This installation work shall be done by, or under the adequate control of a trained plumber as defined by sANS 10400-a, a-18.  
4. The installation work must be confirmed by the plumber with the project engineer, prior to commencement.  
5. Materials, components, fittings and fixtures shall be so selected that they are suitable for the expected conditions of use and shall comply with sANS 10252.  
6. Pipe sizes to comply with sANS 10252.  
7. All information on this drawing to be verified on site prior to installation. Any discrepancies between this drawing and that which exists on site to be brought to the attention of the architect immediately.



GLAZING ID	GLAZING SCHEDULE										GLAZING SCHEDULE									
	D1	D2	D3	D4	D5	D6	D7	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11		
FRAME TYPE	Aluminium - Powder coated silver to match existing	Frameless Sliding Folding (*Aluminium Housing - Powder coated silver to match existing)	Frameless Sliding Folding (*Aluminium Housing - Powder coated silver to match existing)	Frameless Sliding Folding (*Aluminium Housing - Powder coated silver to match existing)	Aluminium - Powder coated matt black	Aluminium - Powder coated matt black	Aluminium - Powder coated matt black	Aluminium - Powder coated silver to match existing	Aluminium - Powder coated silver to match existing	Aluminium - Powder coated silver to match existing	Aluminium - Powder coated silver to match existing	Aluminium - Powder coated silver to match existing	Aluminium - Powder coated matt black	Aluminium - Powder coated matt black	Aluminium - Powder coated matt black	Aluminium - Powder coated matt black	Aluminium - Powder coated matt black	Aluminium - Powder coated matt black		
FRAME BASE HEIGHT FROM FFL	-100	500	500	500	0	0	0	650	650	1300	1050	2070	1970	2070	3020	3020	3020	3020		
GLASS TYPE	Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N	Obscure Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N	Obscure Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N	Safety Glazing in compliance with SANS 10400 Part N		
AREA	13.75	4.40	6.87	6.88	19.38	11.36	1.68	1.68	3.37	2.24	6.40	0.73	0.54	2.22	5.50	4.74	2.37			
ELEVATION																				

**GENERAL NOTES**  
All work to be carried out strictly in accordance with Local Municipal regulations, National Building Regulations & in terms of SANS 10400.  
All structural elements and civil works are to be to the relevant engineer's detail and/or specifications. No elements of structural bearing to be demolished or altered under any circumstances unless authorised by a professional structural engineer.  
All existing structures to be checked and verified by registered Structural Engineer for required structural integrity for the intended purposes.  
All information on this drawing must be verified on site prior to construction.  
The design on this drawing is copyright & remains property of the Studio 1989 PTY LTD and may not be reproduced, in whole or part, or in any manner whatsoever without written permission from Studio 1989 PTY LTD Architects.  
Figured dimensions to be taken in preference to scaling drawings. No information is to be scaled off this drawing.  
Reference to the 'Revision column' of this drawing must be referred to in relation to the latest issued drawing register to ensure that the latest layouts are referred to at all times.  
All relevant details, levels & dimensions to be checked on site prior to commencement of work.  
All drawings are to be checked by the Principal Building Contractor.  
Any discrepancies on this drawing and that which exists on site prior to commencing drawings including relevant Consultant drawings/specifications are to be referred to the architect and client for clarity prior to proceeding with any work.  
This drawing is to be read in conjunction to relevant consultant drawings and other detailed drawing documentation.  
All structural elements and civil works are to be to the relevant engineer's detail and/or specifications.  
All specialist services (Fire, Wet services, Electrical etc.) to relevant Consultant details and specifications.

**AREA SCHEDULE**  
SITE AREA: 5029m<sup>2</sup>  
COVERAGE: 2539m<sup>2</sup>  
PERMITTED COVERAGE (50%): 2539m<sup>2</sup>  
EXISTING COVERAGE: 1386m<sup>2</sup>  
ADDITIONAL COVERAGE: 303m<sup>2</sup>  
TOTAL COVERAGE: 1889m<sup>2</sup>  
FLOOR AREA RATIO: N/A  
PARKING BAYS REQUIRED: 2  
PARKING BAYS PROVIDED: 20

**NOTES IN RELATION TO SANS 10400**  
A. Structural Design  
The following compliant persons are to be appointed:  
Competent person (structures) to design and inspect the structures.  
B. Dimensions  
No dimensions of room of space to be in accordance with the detailed requirements of SANS 10400 Part N.  
C. Public Safety  
A change in level, the design of ramps and driveways, or access to, egress from, pools, and swimming baths, to be in accordance with the detailed requirements of SANS 10400-G.  
D. Excavations  
A geotechnical investigation in accordance with the rules must be carried out and made available for use for the engineer.  
The foundations for the building to be in accordance with the detailed requirements of SANS 10400-G.  
E. Foundations  
A geotechnical investigation in accordance with the rules must be carried out and made available for use for the engineer.  
The foundations for the building to be in accordance with the detailed requirements of SANS 10400-G.  
F. Fire Protection  
The fire protection measures provided are to be in accordance with the detailed requirements of SANS 10400-T.  
G. Energy Efficiency in Buildings  
The building has an orientation, shading, services and building envelope in accordance with SANS 10400-XX.  
H. Glazing  
The type, framing and selection of glazing is to be in accordance with the detailed requirements of SANS 10400-XX.  
I. Lighting and Ventilation  
The lighting in a habitable room, bathroom, shower room and room containing a toilet, are to comply with the requirements of SANS 10400-XX.  
J. Stormwater Disposal  
The means for the control and disposal of stormwater is to be in accordance with the detailed requirements of SANS 10400-R.

**GLAZING NOTES**  
Glazing Contractor  
Glazing contractor to clearly and confirm all glazing dimensions, opening requirements and finish with architect and client prior to manufacturing and installation. Glazing certificate to be provided by contractor after installation.  
Glazing U-Value + 3.85 (or lower)  
Glazing solar heat gain coefficient + 0.53 (or lower)  
All windows and doors to comply with SANS 10400 Part N, SANS 10400 Part B and SANS 613.  
All windows and doors to be completed with glazing beads and wood pile weatherstripping as per manufacturer's details and specifications.  
Ironmongery & sash by specialist supplier's schedule.  
Full detail of glazing to be submitted to architect prior to manufacturing for approval.  
Sewer, Door Glazing  
To be to the requirements of SANS 10400-T and to be in accordance with the requirements of SANS 10400-G.  
Hot Water  
Hot water supply pipes to be lagged with 1.0 m-value insulation (50kPa pipes) OR 1.5 m-value insulation (40kPa pipes). The cold water inlet to the heating cylinder shall be insulated for at least 100mm from point of entry to the cylinder. The hot water cylinder shall be insulated with a minimum 2.0 m-value insulation.

**WATER RETICULATION**  
Materials, components, fittings and fixtures shall be so selected that they are suitable to withstand, without damage or deterioration, sustained temperatures of up to 60°C and occasionally up to 100°C, and shall comply with sANS 10252.  
Pipe sizes to comply with sANS 10252.  
All internal pipes to be cu class 2.  
All external pipes to be cu class 3.  
The type and thickness of insulation material shall be suitable for the expected conditions of use as well as in accordance with the relevant national legislation and sANS 204.  
The installation work shall be done by, or under the adequate control of a trained plumber as defined by sANS 10400-a, a-18.  
The installation work must be confirmed by the plumber with the architect and engineer on site, prior to commencement.  
Conflicts, errors or discrepancies found in this layout shall be brought to the architect and engineer's attention for resolution immediately.  
Appropriate protective measures must be adhered to for piping under load bearing surfaces.  
Certificate of compliance to be issued prior to final sign off by engineer.

**DRAINAGE**  
1. All sewer and waste drainage to comply with sANS 10400-p.  
2. All drainage installations shall be in accordance with the municipal by-laws.  
3. This installation work shall be done by, or under the adequate control of a trained plumber as defined by sANS 10400-a, a-18.  
4. The installation work must be confirmed by the plumber with the project engineer, prior to commencement.  
5. Materials, components, fittings and fixtures shall be so selected that they are suitable for the expected conditions of use and shall comply with sANS 10252.  
6. Pipe sizes to comply with sANS 10252.  
7. All information on this drawing to be verified on site prior to installation. Any discrepancies between this drawing and that which exists on site to be brought to the attention of the architect immediately.

**NEIGHBOURS CONSENT**  
NAME: MANDI KUNENE ROAD INVESTMENT (PTY) LTD  
ADDRESS: 549 Musgrave Road, Essameswood, Durban.  
TEL/CELL NO: 031 211 9063 084  
SIGNATURE: [Signature]

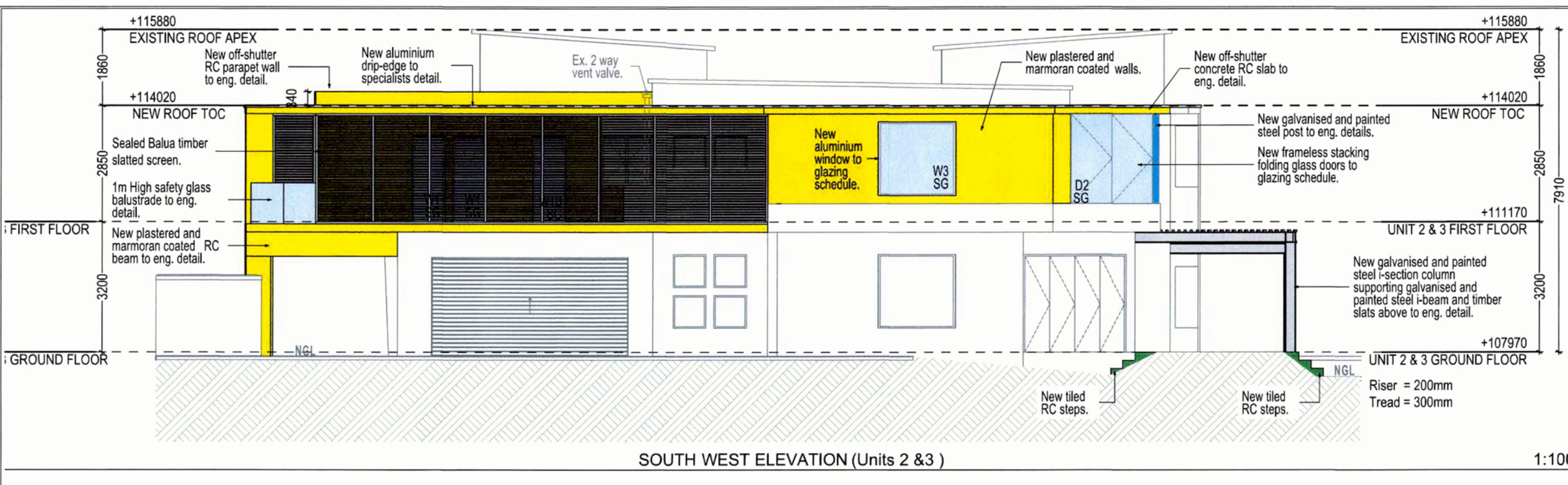
**SUBMISSION DRAWING**

OWNERS: Yusuf Akooob Khamissa, Nizam Akooob Khamissa, Hassan Akooob Khamissa  
AUTHOR: Jameel Omarjee, SACAP No. PrArch27357081  
DRAWING No. 001 | PAGE SIZE A | REVISION A

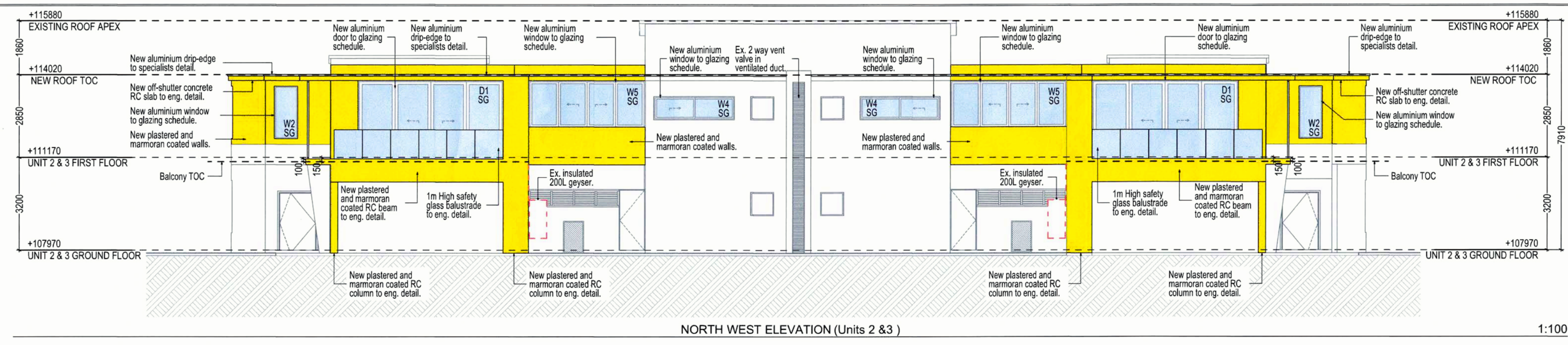
**Site Plan, Floor Plans, Sections, Elevations & Glazing Schedule**

SCALE: As Indicated | DATE: 2021-09-16 | DRAWN BY: Jameel O

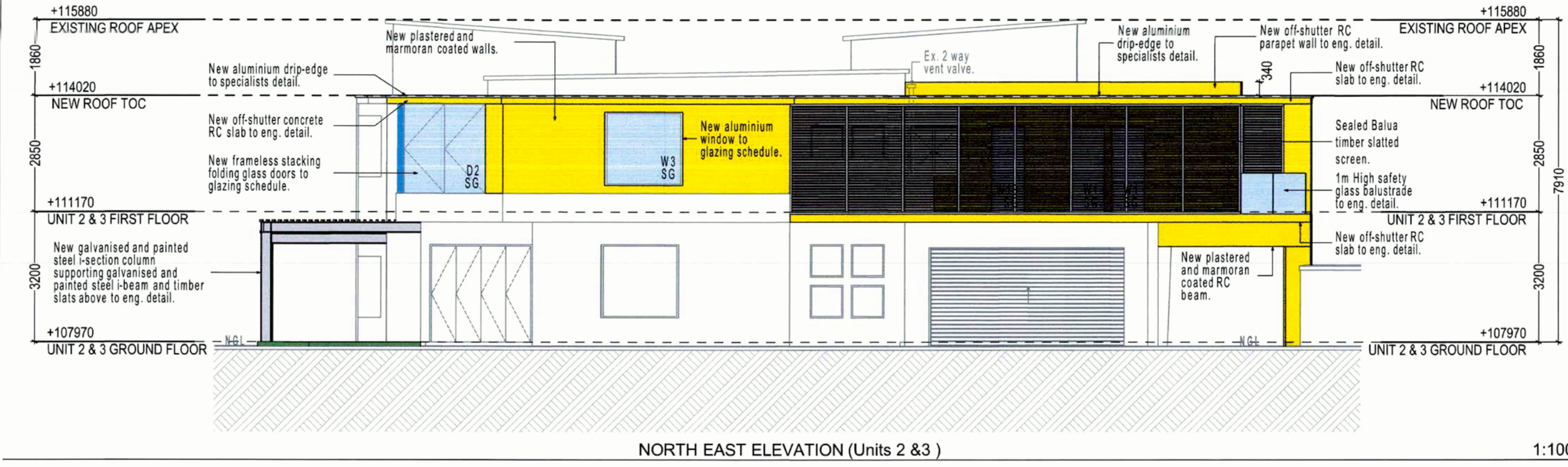
**543 MUSGRAVE ROAD**  
Additions and Alterations to Existing Pool House and Dwelling Units 2, 3 & 4 on Erf 2187 Durban



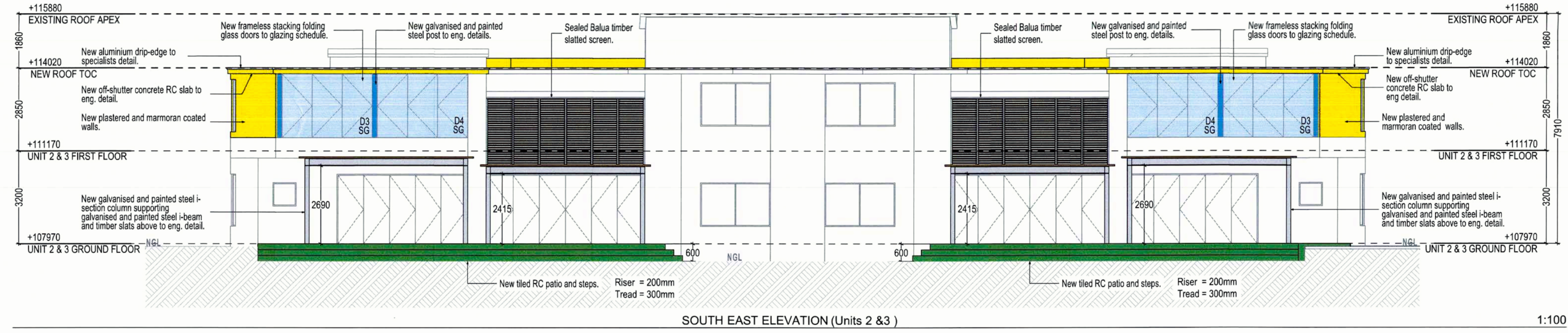
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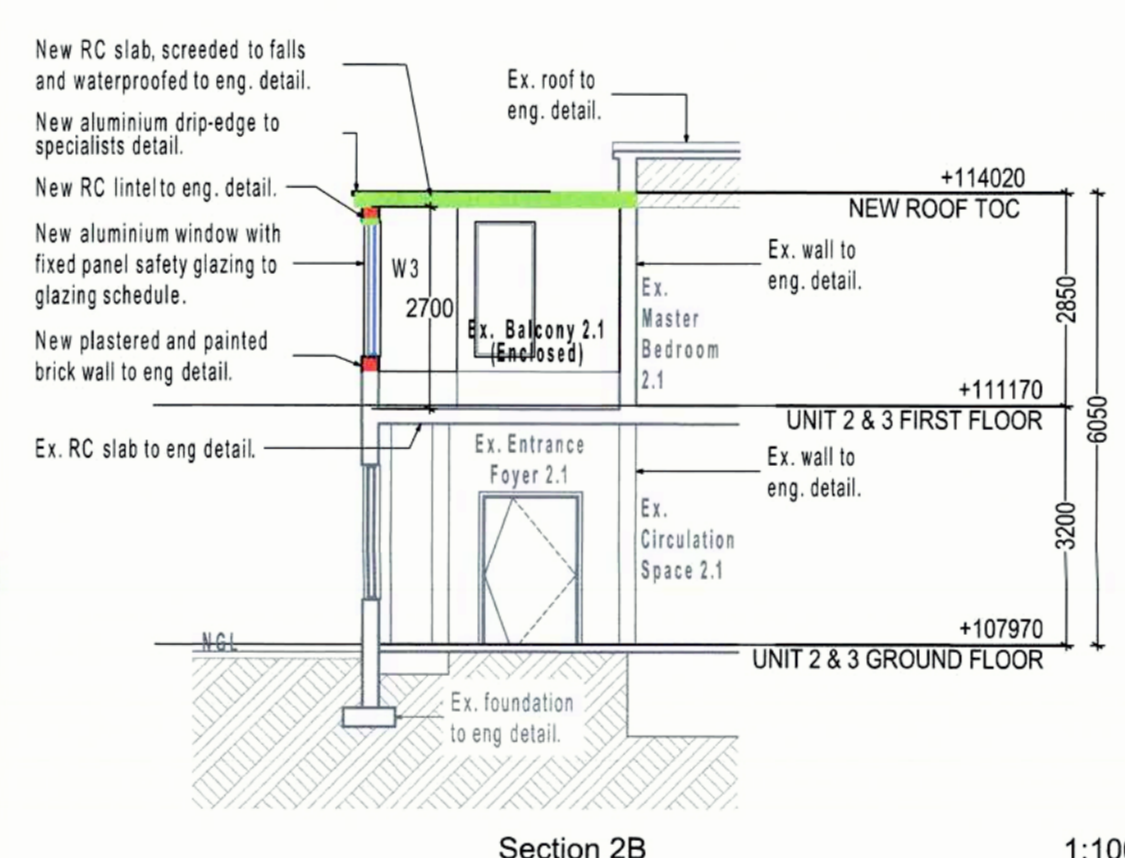
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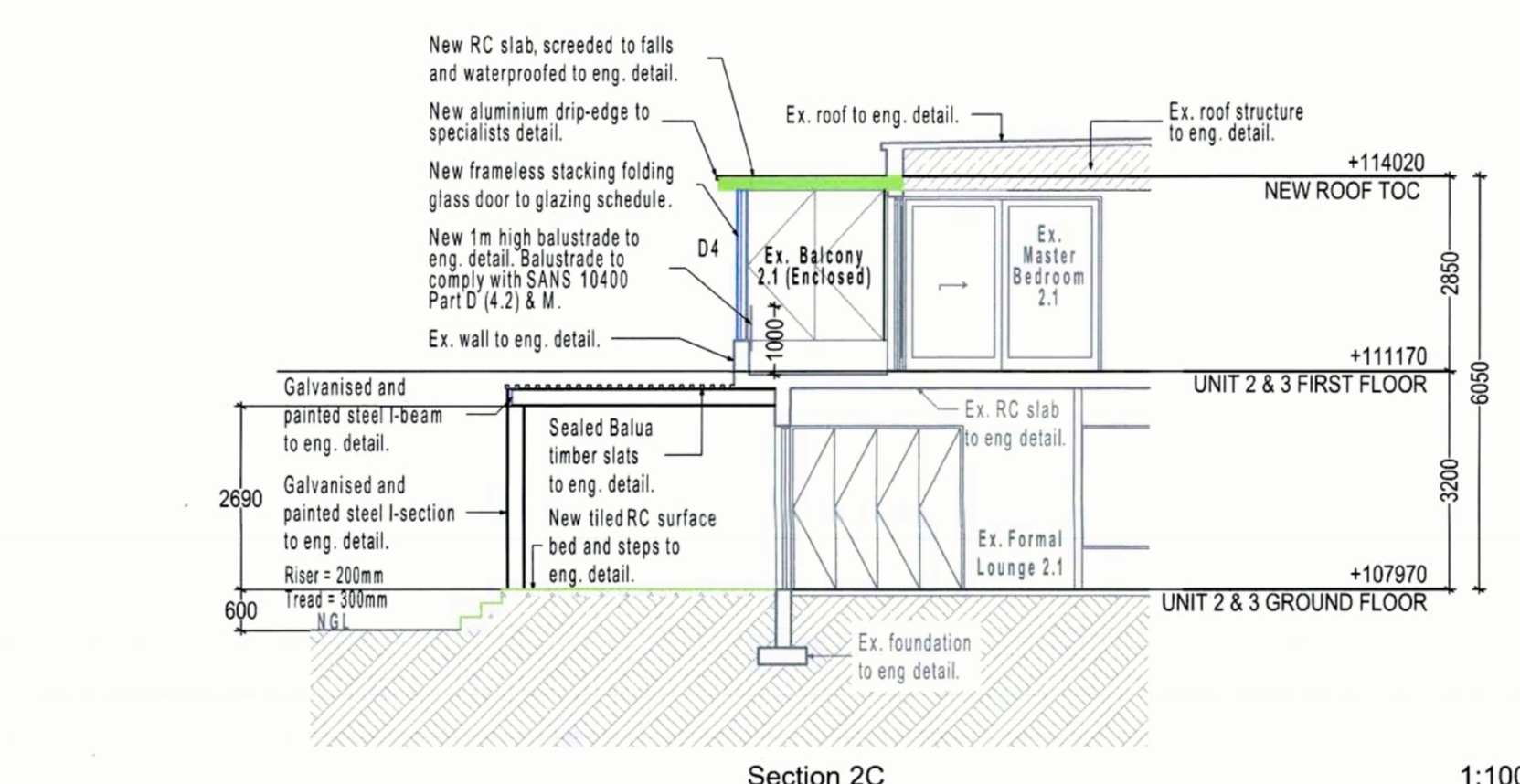
NORTH EAST ELEVATION (Units 2 & 3) 1:100



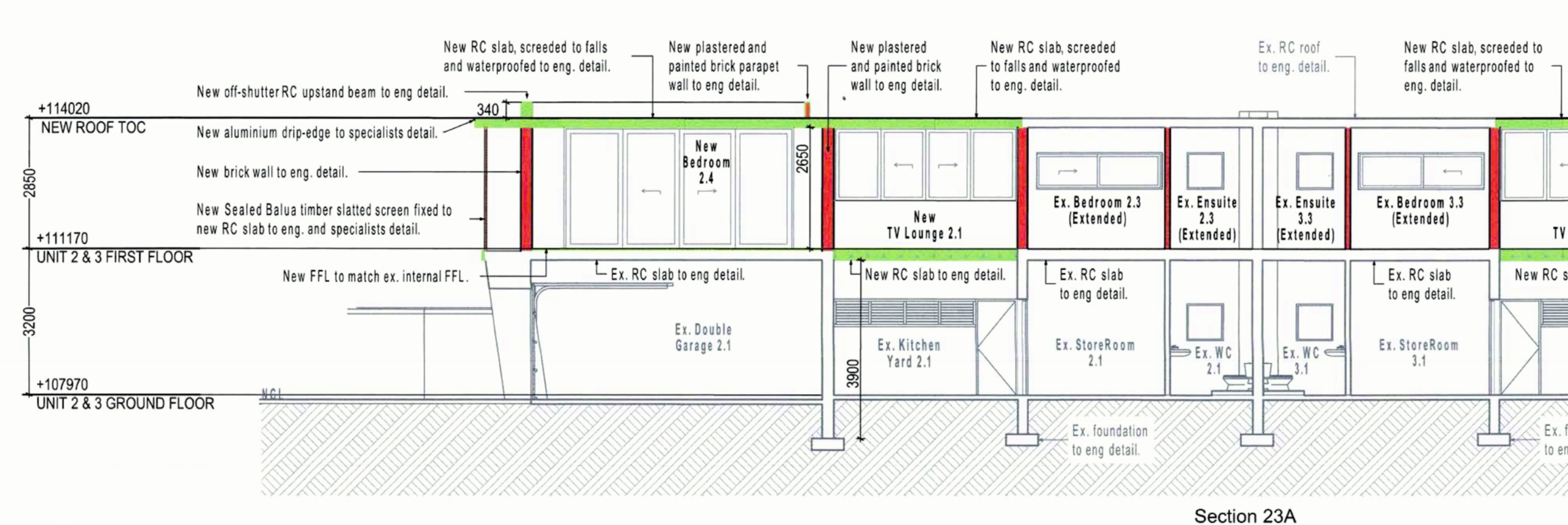
SOUTH EAST ELEVATION (Units 2 & 3) 1:100



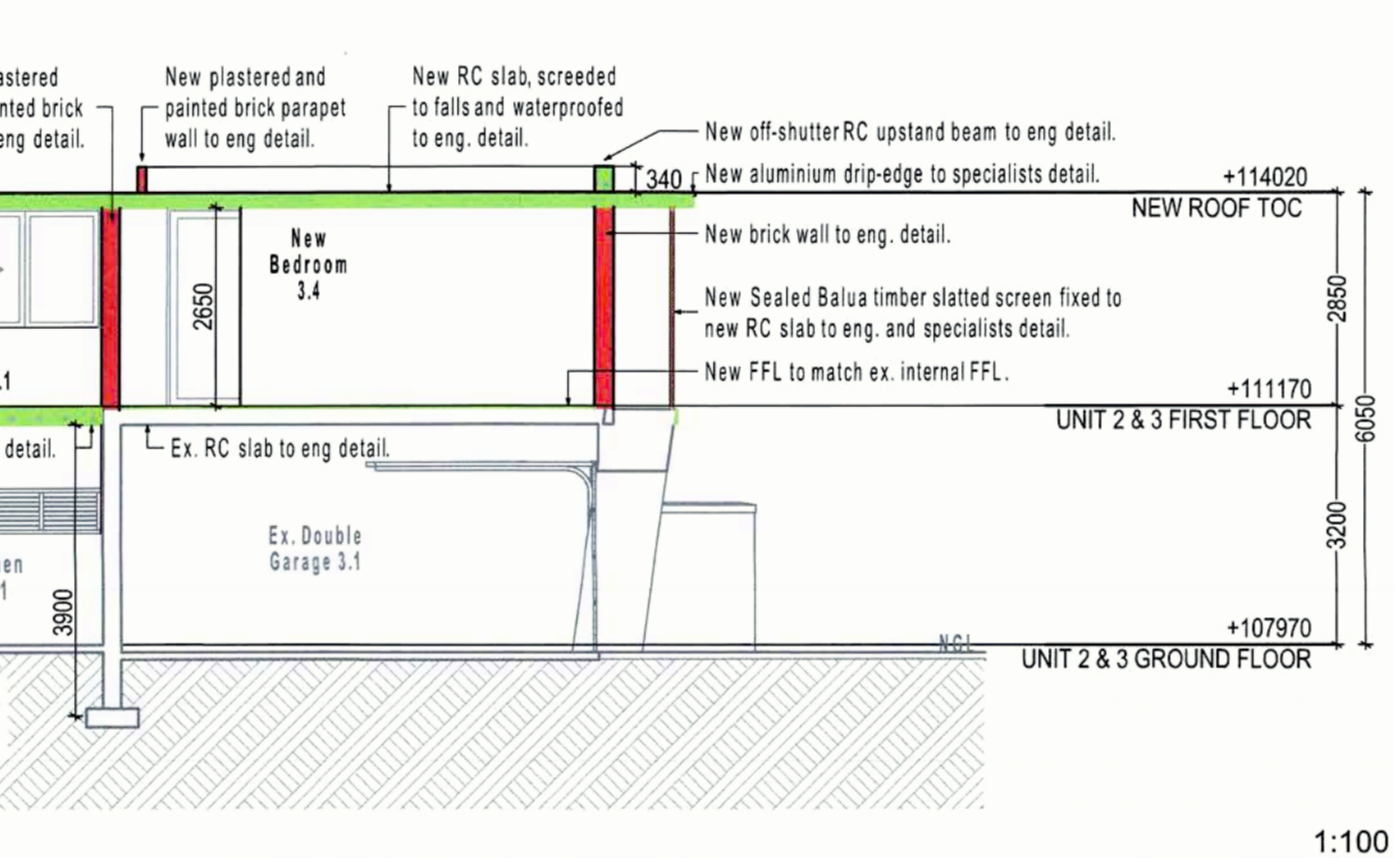
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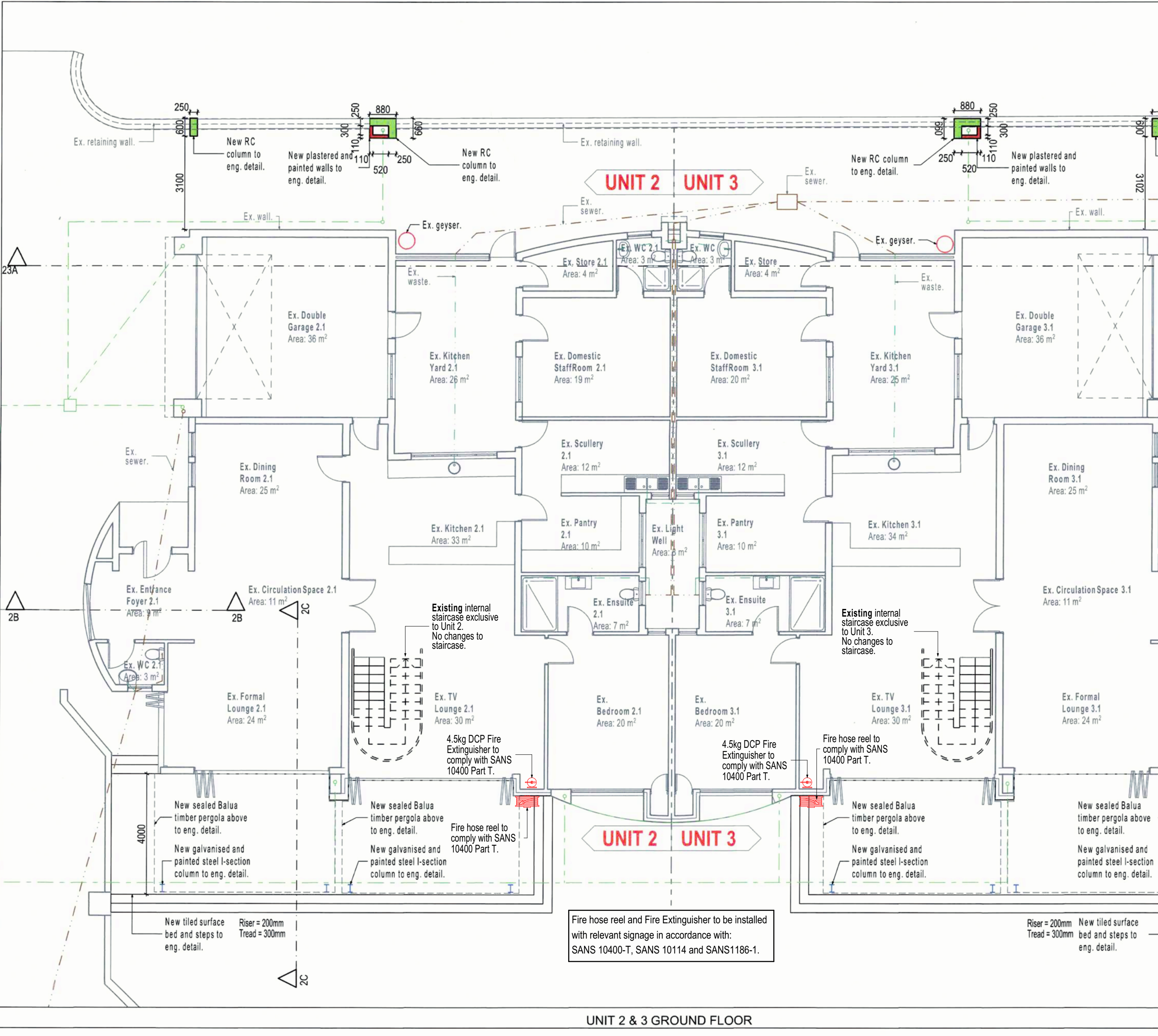
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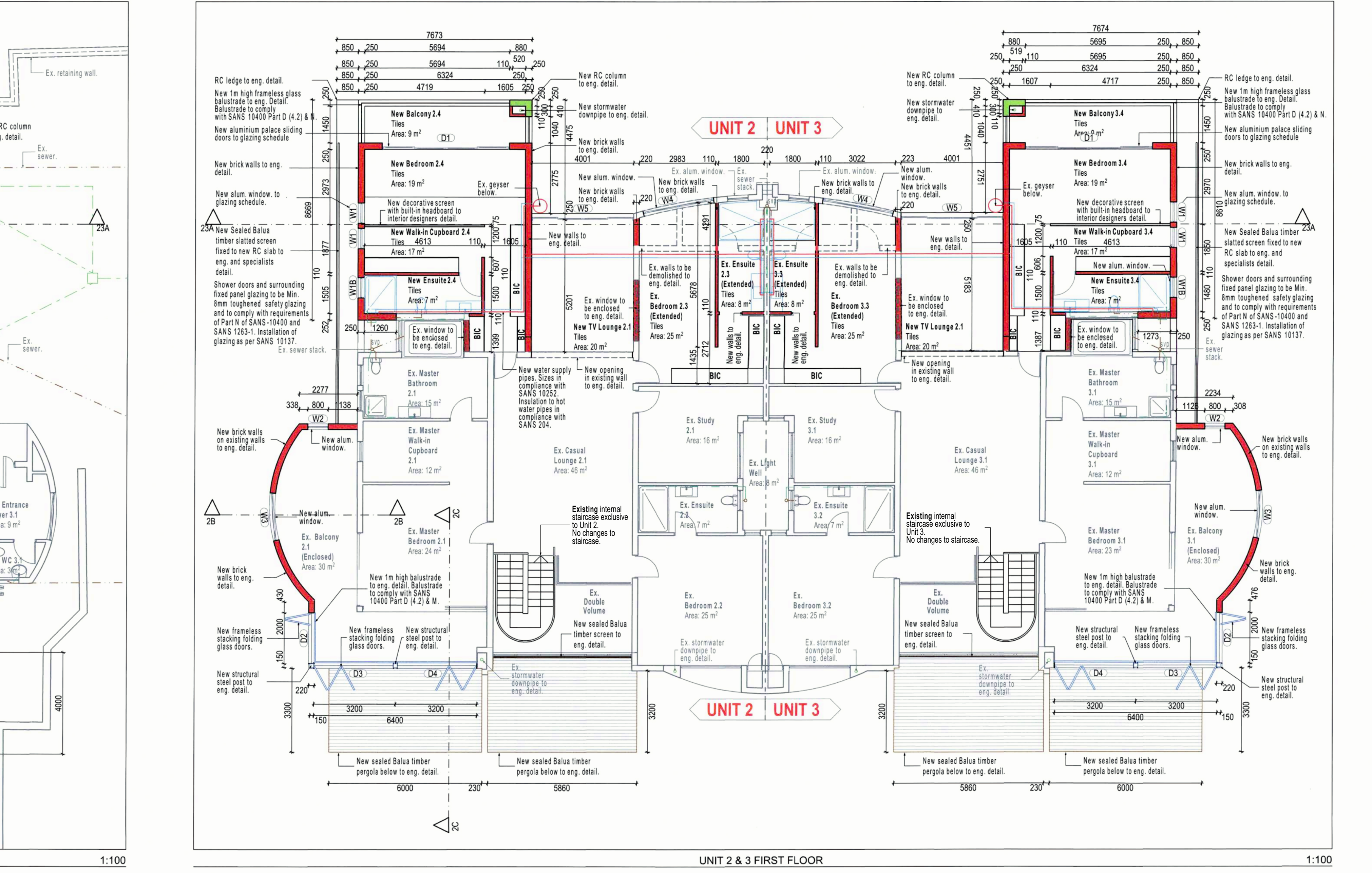
Section 23A 1:100



Section 23B 1:100



UNIT 2 & 3 GROUND FLOOR 1:100



UNIT 2 & 3 FIRST FLOOR 1:100

GENERAL NOTES	
All work to be carried out in accordance with Local Municipal Regulations, National Building Regulations & in terms of SANS 10400.	
All structural elements and civil works are to be to the relevant engineer's detail and/or specifications. No elements of structural bearing to be demolished or altered under any circumstances unless authorised by a professional structural engineer.	
All information indicated on this drawing must be verified on site prior to construction.	
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Figure dimensions to be taken in preference to scaling drawings. No information is to be scaled off this drawing.	
Reference to the 'Relevant column' of this drawing must be reference in relative to the latest issued drawing register to ensure that the latest layouts are referred to at all times.	
All relevant details, levels & dimensions to be checked on site prior commencement of work.	
All drawings are to be checked by the Principle Building Contractor.	
Any discrepancies on this drawing and that which exists on site prior to this drawing and related drawings including relevant Consultant drawings/specifications are to be referred to the architect and client for clarity prior to proceeding with any work.	
This drawing is to be read in conjunction to relevant consultant drawings and other detailed drawing documentation.	
All structural elements and civil works are to be to the relevant engineer's detail and/or specifications.	
All specialist services (Fire, Wet services, Electrical etc.) to relevant Consultant details and/or specifications.	

AREA SCHEDULE	
SITE AREA	509m <sup>2</sup>
PERMITTED COVERAGE (60%)	293m <sup>2</sup>
EXISTING COVERAGE	138m <sup>2</sup>
ADDITIONAL COVERAGE	155m <sup>2</sup>
TOTAL COVERAGE	188m <sup>2</sup>
FLOOR AREA RATIO	NA
PARKING BAYS REQUIRED	7
PARKING BAYS PROVIDED	20

NOTES IN RELATION TO SANS 10400	
<b>A. Floor</b> Floors in New Shower Room to be in accordance with the detailed requirements of SANS 10400-2 and the detailed requirements of SANS 10400-1.	<b>F. Fire Protection</b> The building has an existing fire alarm system and building envelope in accordance with SANS 10400-A1.
<b>B. Structural Design</b> The structural design of this building is to be in accordance with the detailed requirements of SANS 10400-1 and the detailed requirements of SANS 10400-2.	<b>G. Glazing</b> The glazing of this building is to be in accordance with the detailed requirements of SANS 10400-1 and the detailed requirements of SANS 10400-2.
<b>C. Foundations</b> A geotechnical investigation in accordance with the rules must be carried out and made available for use for the engineer.	<b>H. Stormwater Disposal</b> The means for the control and disposal of stormwater is to be in accordance with the detailed requirements of SANS 10400-1 and SANS 10400-2.

BUILDING OCCUPANCY	
H3 Domestic Residence	

FIRE NOTES	
1. Fire equipment garage to comply with sans 10400 H.29 and H.32.	
2. 30m fire hose reels to comply with sans 10400 H.34 and sans 543.	
3. Portable fire extinguishers to comply with sans 10400 H.37.	
4. Fire hydrants to comply with sans 10400 H.35.	
5. Water supply to comply with sans 10400-W.	
6. Backflow prevention to comply with sans 10252-1, 6.3.	
7. Inspection and testing to comply with sans 10252-1.9.2.	
All pipes up to and including 150mm must be sans 62 medium grade black pipe unless specified.	
All pipes above 150mm must be sans 719 heavy grade black pipe.	
Flexible couplings on piping up to and including 150mm. Flanged connections on piping above 150mm.	
All flanges must be sans 1123 1603.	
Screwed fittings shall only be used on pipes 50mm and smaller.	
Screwed fittings shall only be used on pipes 50mm and smaller.	
Installation to be in accordance with ASB 11th edition.	

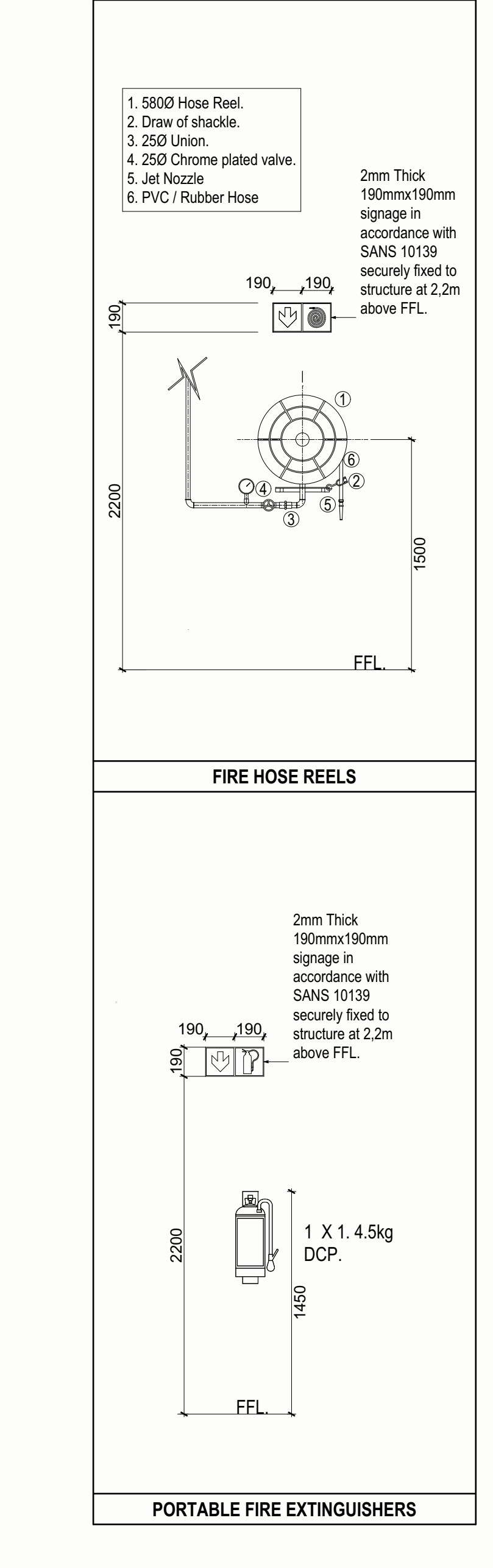
FIRE SIGNAGE NOTES	
All signage to be installed in accordance with sans 10400-1 and sans 10114 as well as comply to sans 1196-1.	
The minimum size shall be 150mm x 100mm.	
The signs shall be fixed to the wall with self-healing screws and rated for the type of wall construction the sign is being fixed to with a minimum rating of 30 minutes.	
Double sided tape or any form of adhesive will not be permitted. Where applicable, signs shall be hung with proper lugs and steel cabling and be double sided. Hand twisted wires are not acceptable.	
The signs shall be positioned that the base of the sign is 2.4m above FFL where fixed to walls.	

COATINGS	
All fire protection piping 1. 100mm fire hose reel. 2. 250mm chrome plated valve. 3. 4. 300mm chrome plated valve. 5. 100mm fire hose reel. 6. 300mm chrome plated valve. 7. 100mm fire hose reel. 8. 300mm chrome plated valve.	

CORROSION PROTECTION	
All underground pipes and pipes passing through walls shall be wrapped in 'terosep' tape or similar approved corrosion protection in accordance with sans 1117.	



PORTABLE FIRE EXTINGUISHERS

SUBMISSION DRAWING		
OWNER	AUTHOR	
Yunus Akooib Khomisa	Jameel Omarjee	
Nizam Akooib Khomisa	SACAP No. Pranch27357081	
Hassan Akooib Khomisa		

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+27 82 413 0210

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002	A4	A

SCALE	DATE	DRAWN BY
As Indicated	2021-09-16	Jameel O

PROJECT TITLE		
543 MUSGRAVE ROAD Additions and Alterations to Existing Pool House & 3 Dwelling Units 2 & 3 on ERF 2187 Durban		