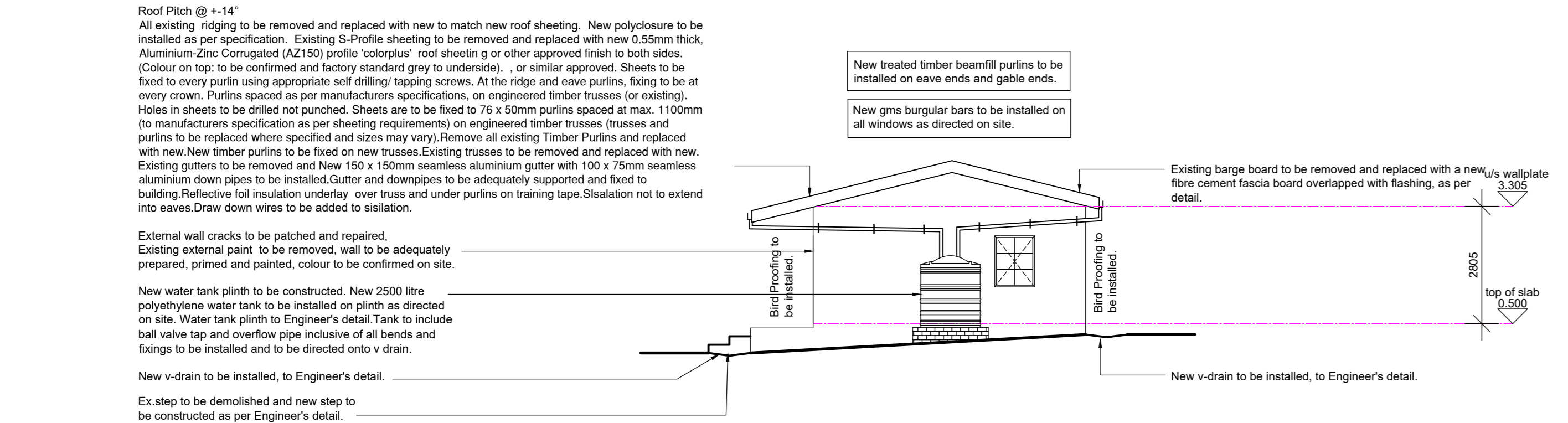




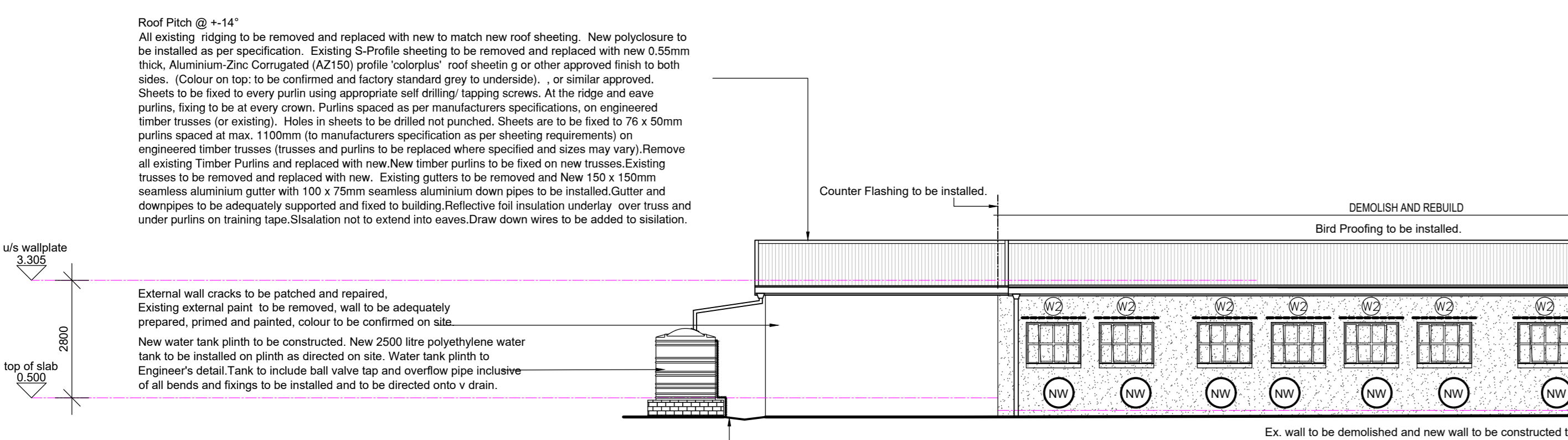
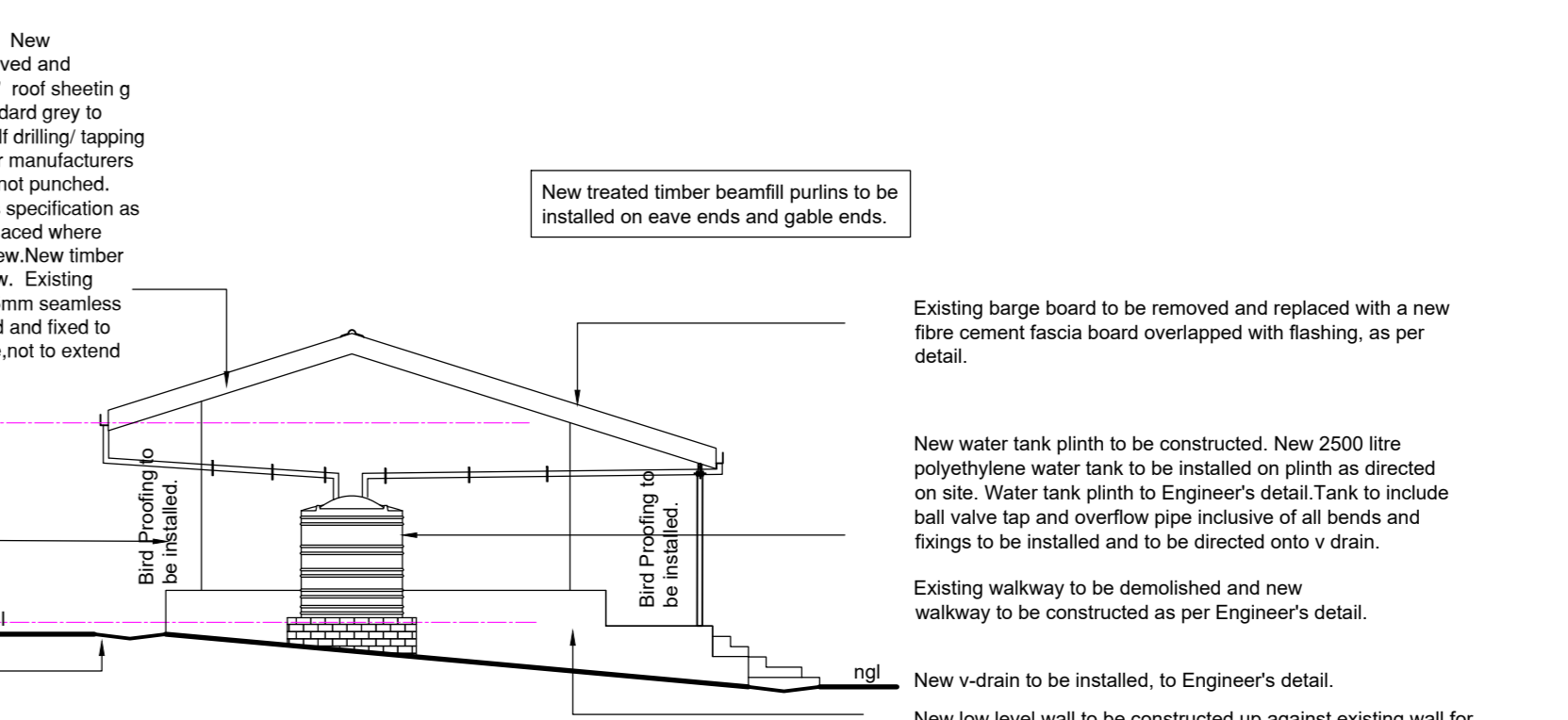
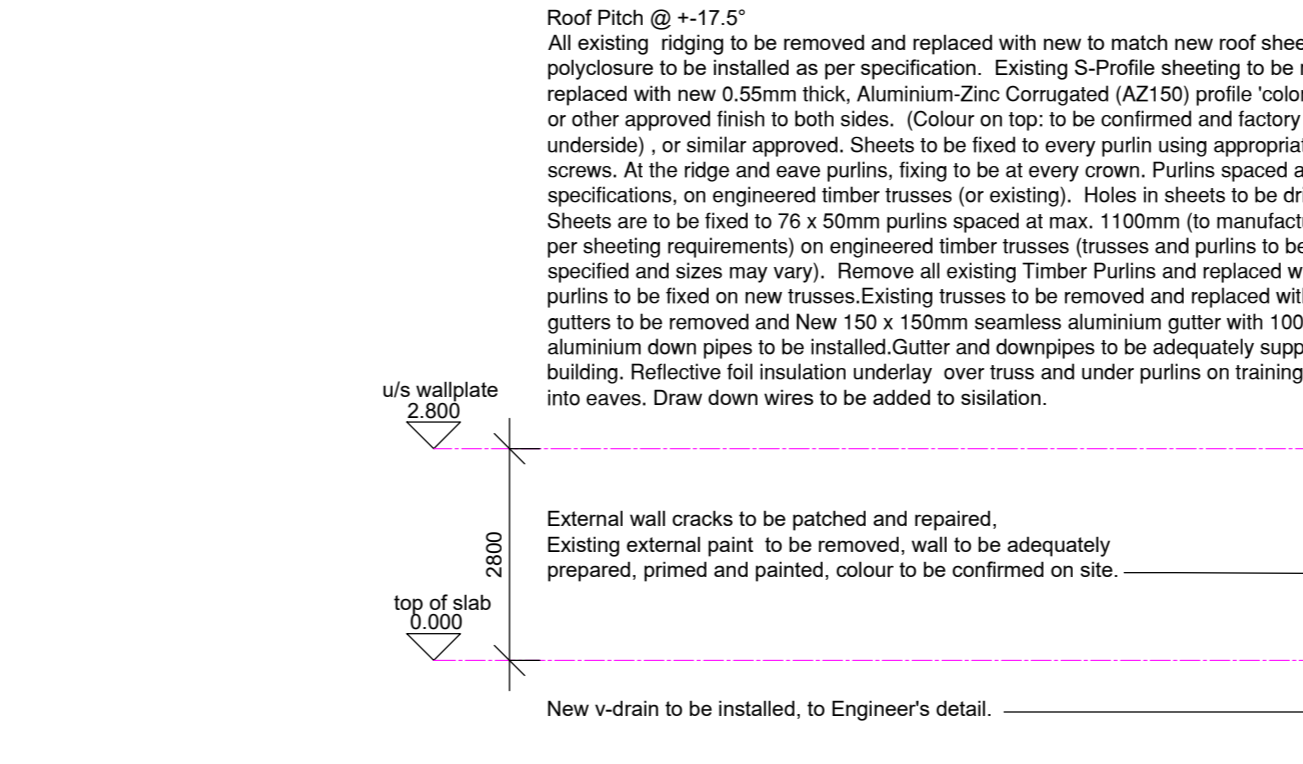
- GENERAL NOTES:**
- All dimensions to be checked before work commences. Architect to be notified immediately of any discrepancies, errors, omissions etc.
  - Only signed dimensions to be taken. Drawings are not to be scaled. All dimensions in metric unless otherwise stated.
  - All levels to be checked on site before any work commences.
  - All reinforced concrete work to be strictly in accordance with structural engineers detail and specification.
  - Damp proof course to comply with S.A.N.S. 10-400 requirements.
  - All walls to be reinforced with two courses brick/cell at all end and wall plate ends.
  - The contractor is to locate and identify any all existing services and to protect these from damage whilst on the site throughout the contract period.
  - The contractor is responsible for the correct setting out of all works, particularly boundaries, building lines, services, etc.
  - All work to be executed in strict accordance with S.A.N.S. 10-400 and LOCAL AUTHORITY BY-LAWS.
  - All materials to be used in strict accordance to manufacturers specification.
  - Soil plastering to be used under all new concrete work and new wall work.
  - Soil plastering to be applied as indicated in drawings, and to be confirmed on site.
  - Roof eaves tips and specifications as per drawings and to be confirmed on site (brusses, purlins, rafters, roof sheathing, fascia, barge board boarding, ceilings, trap doors and corners), and to match existing where applicable.
  - Removal of asbestos to be in strict accordance with The Department of Labour and OHS regulations and procedures.
  - Soil Plastering to be applied where specified, for a new work and existing work, in accordance to manufacturers specification and to Engineers detail.
- NOTE:**
- **AI STRUCTURAL, CIVIL AND ELECTRICAL WORK TO PROFESSIONAL ENGINEERS DETAIL.**
  - **AI STRUCTURAL, CIVIL & ELECTRICAL ENGINEERS DETAILS TO TAKE PRECEDENCE over structural, civil & electrical details indicated on this drawing.**

For General specification/construction notes please view Site Plan.



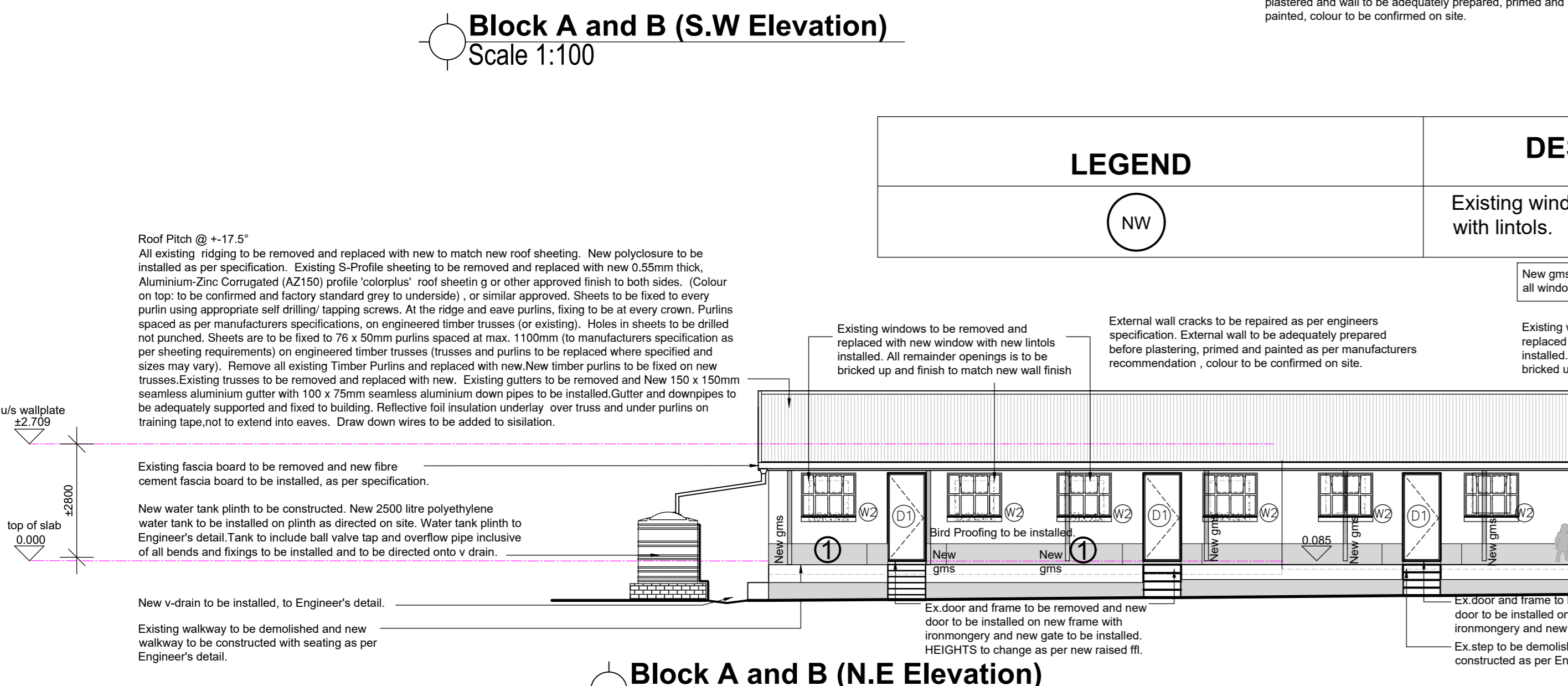
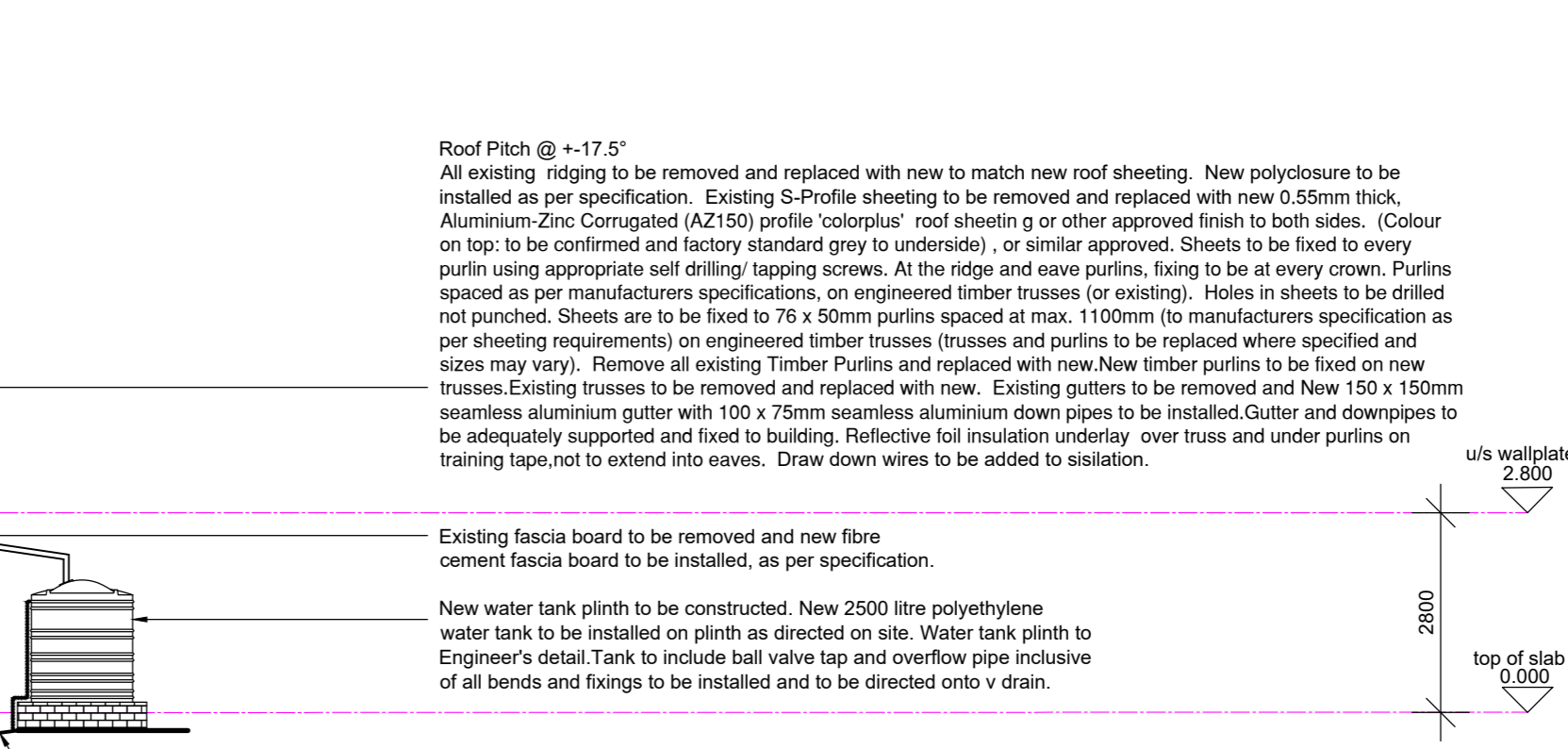
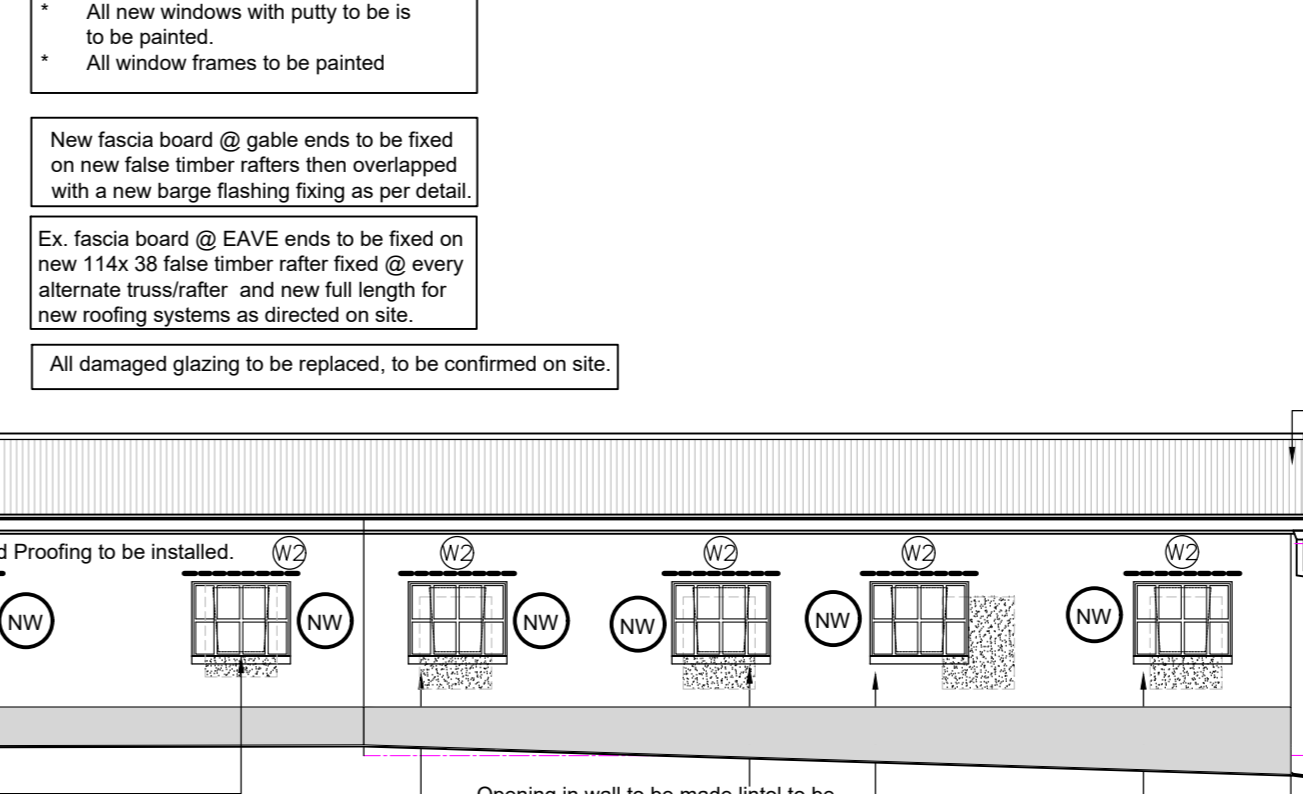
TYPE	NO	1302	1302
TYPE	MD 23	SS41	SS41
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TYPE	NO	813
TYPE	D1	
FRAME	2mm thick pressed double rebated mild steel door frame	
DOOR FINISH	Hot dipped galvanneal. Not painted	
NOTES	2023 x 813 x 40mm heavy duty wood legged, braced & laminated door with 110 x 40mm spigot & lip rail. 100 x 20mm timber handle. 225 x 20mm thick. 110 x 20mm brass & riv. x 20 T.C. & 4 joined battens	
DOOR FINISH	Door. Sand smooth and flat. Seal knots with 'KNIX SEAL (PK 2)'; then prime with 'PLASCOR WOOD PRIMER (105 2)'; then either apply one or more coats of 'Plascor EMERALD LACORS & TRIMERS' to achieve complete adhesion. Colour: Calypso; code: G 127.	
NOTES	Door set (10 Doors)	
NOTES	Contractor to check knots required against drawings and schedules. Any discrepancies to be brought to the Architect attention immediately.	



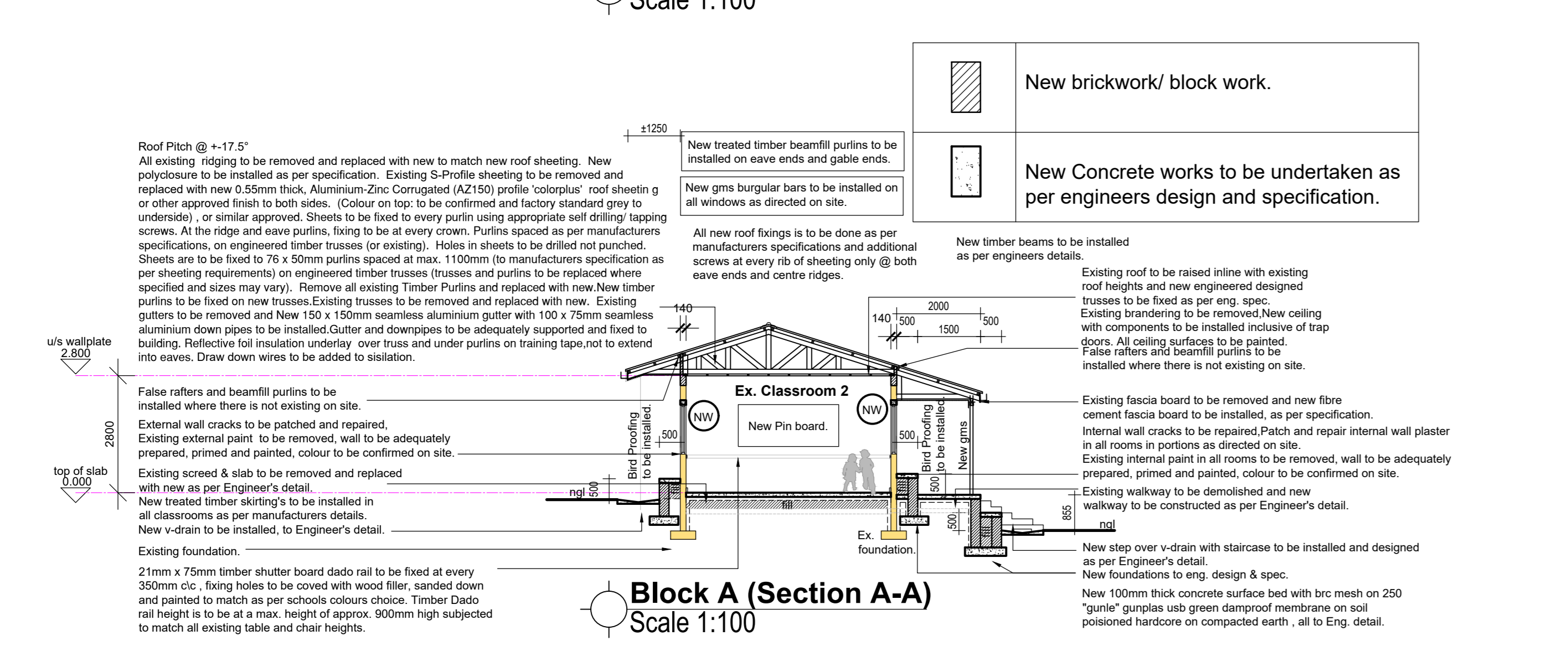
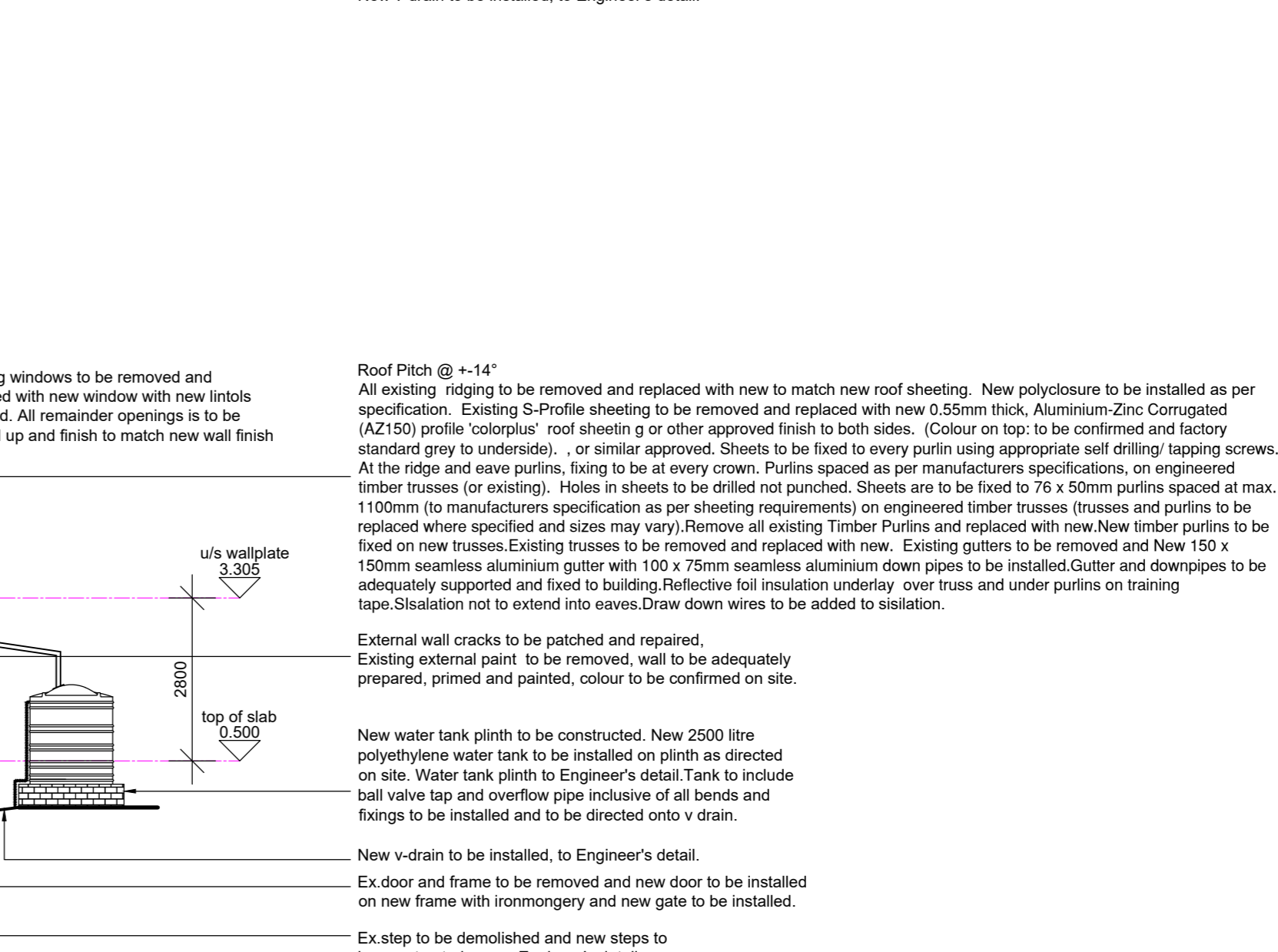
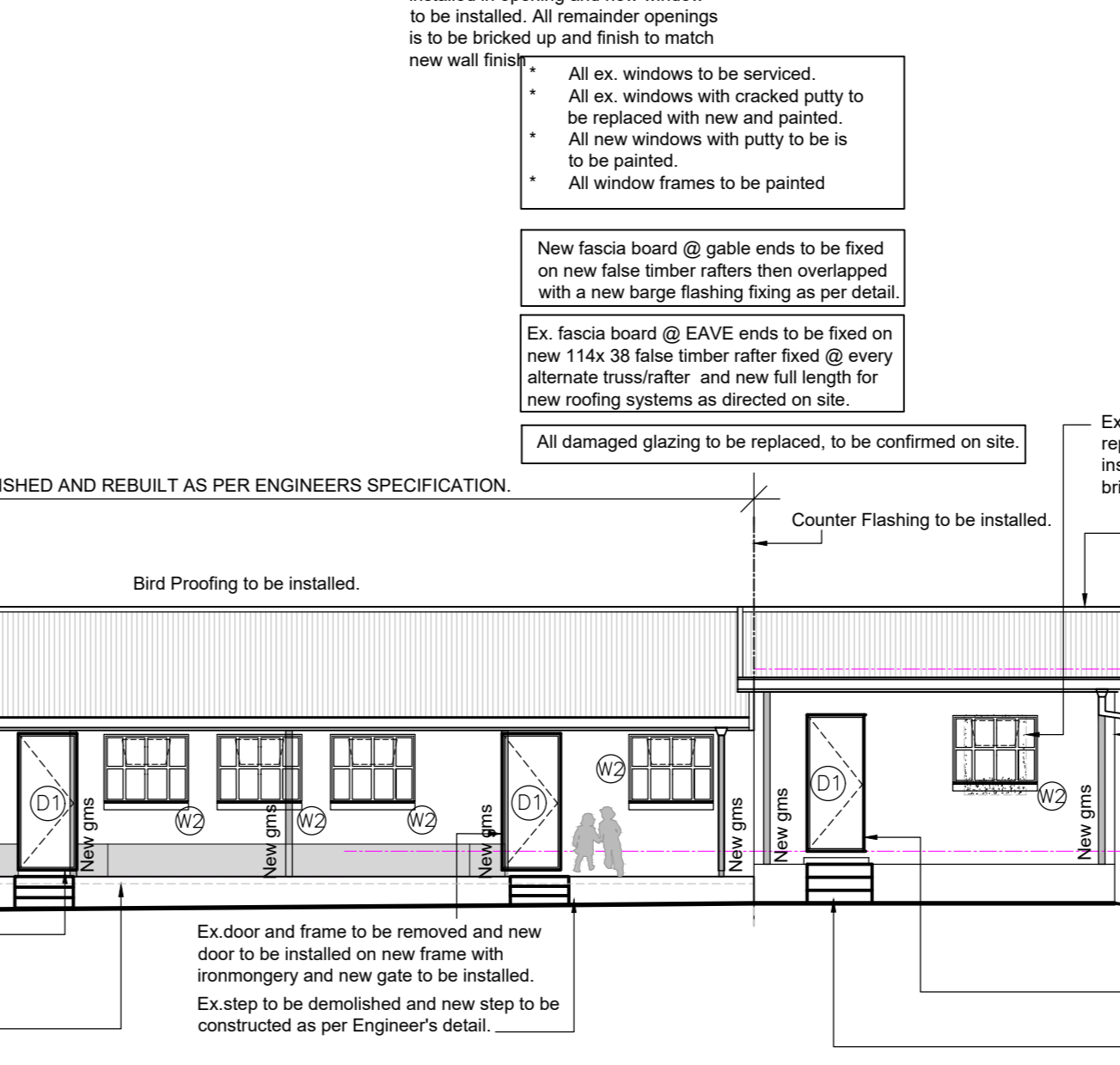
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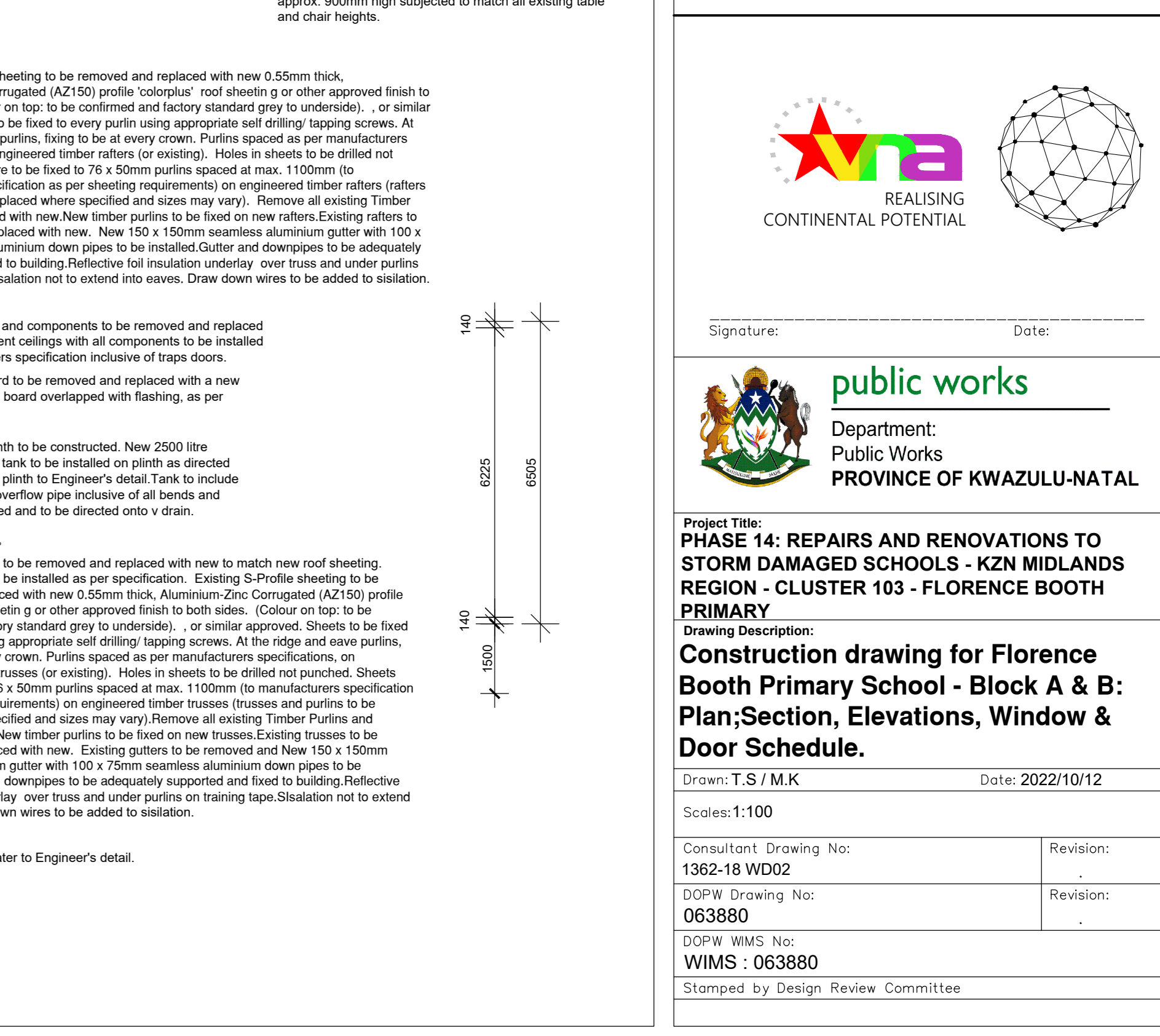
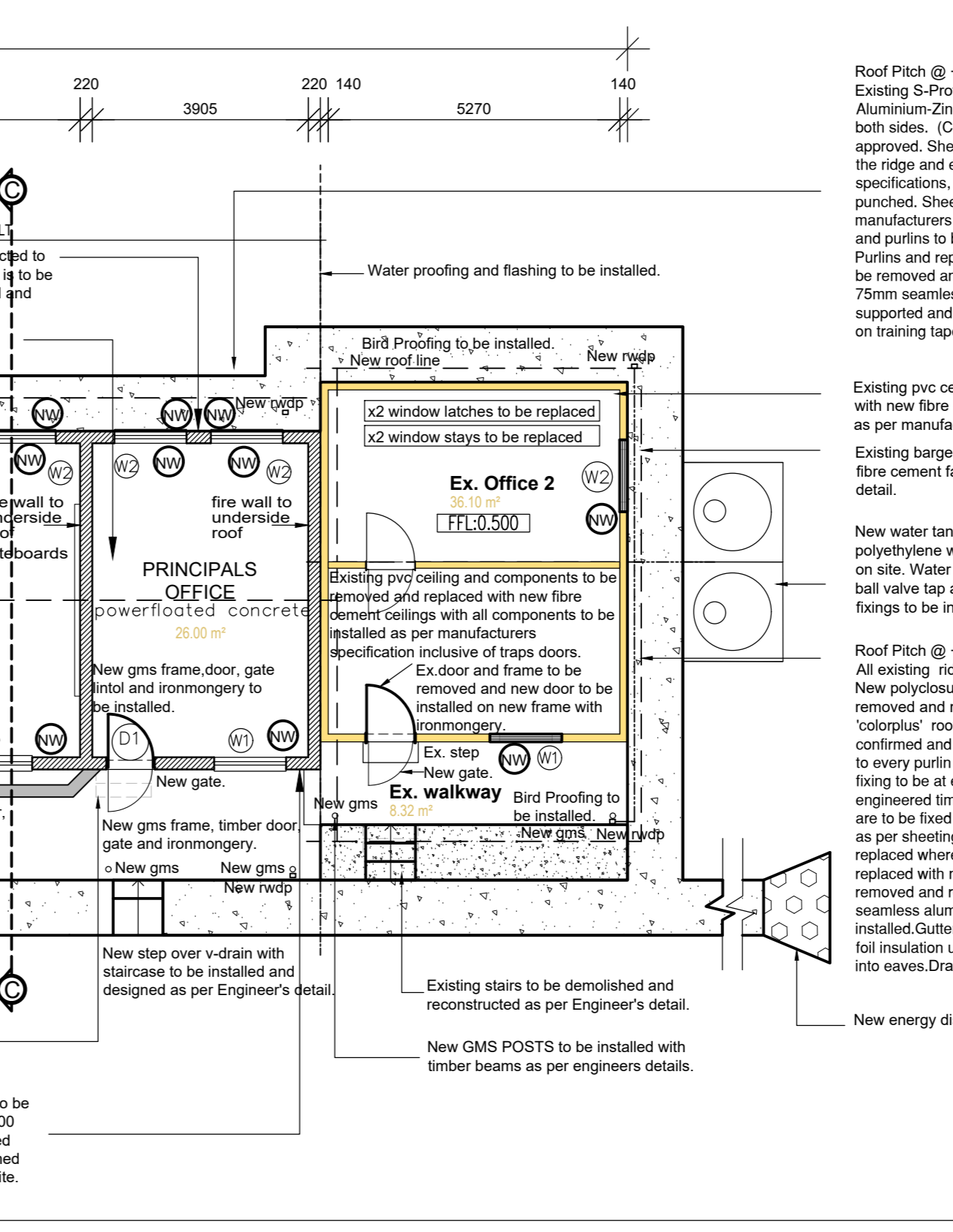
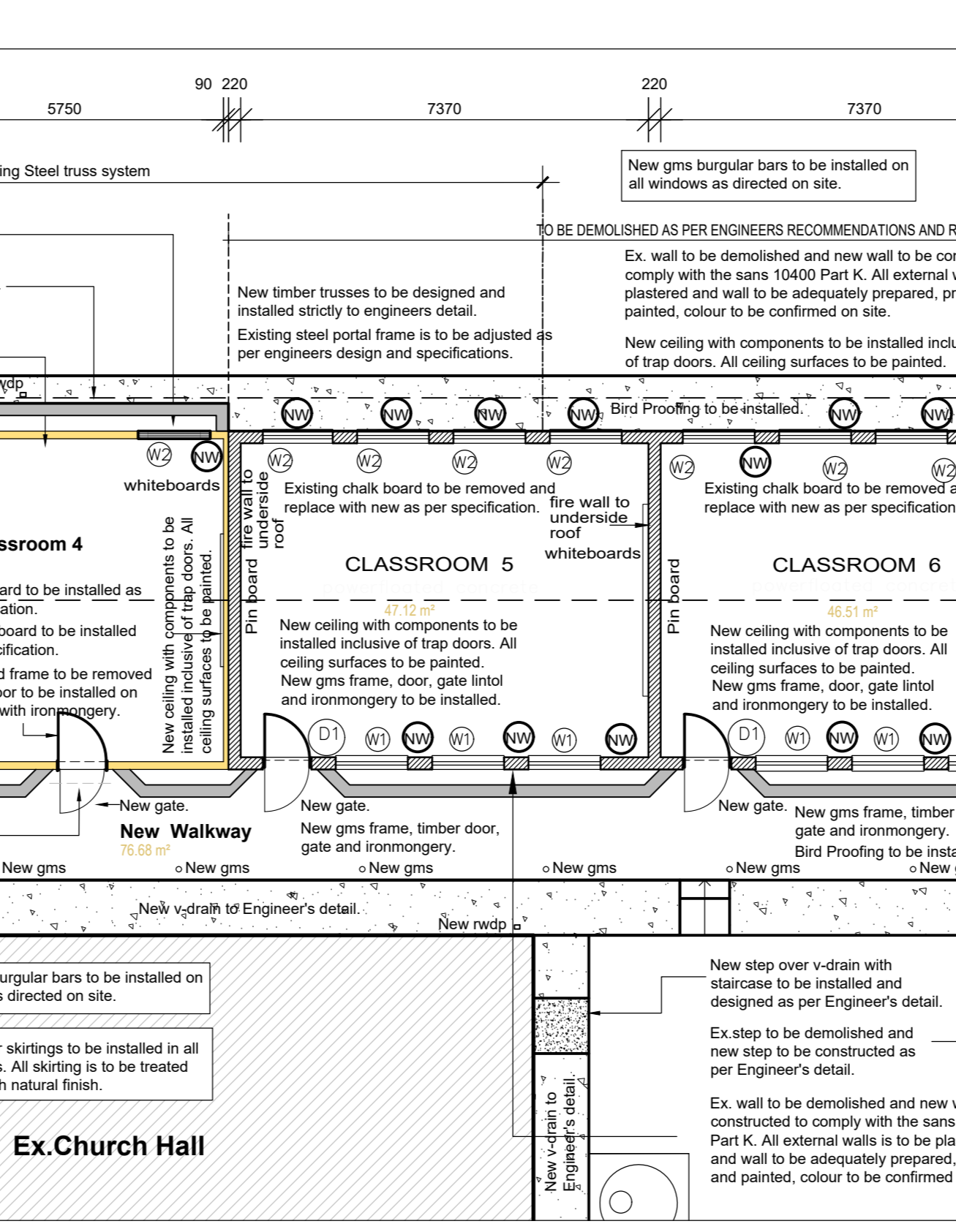
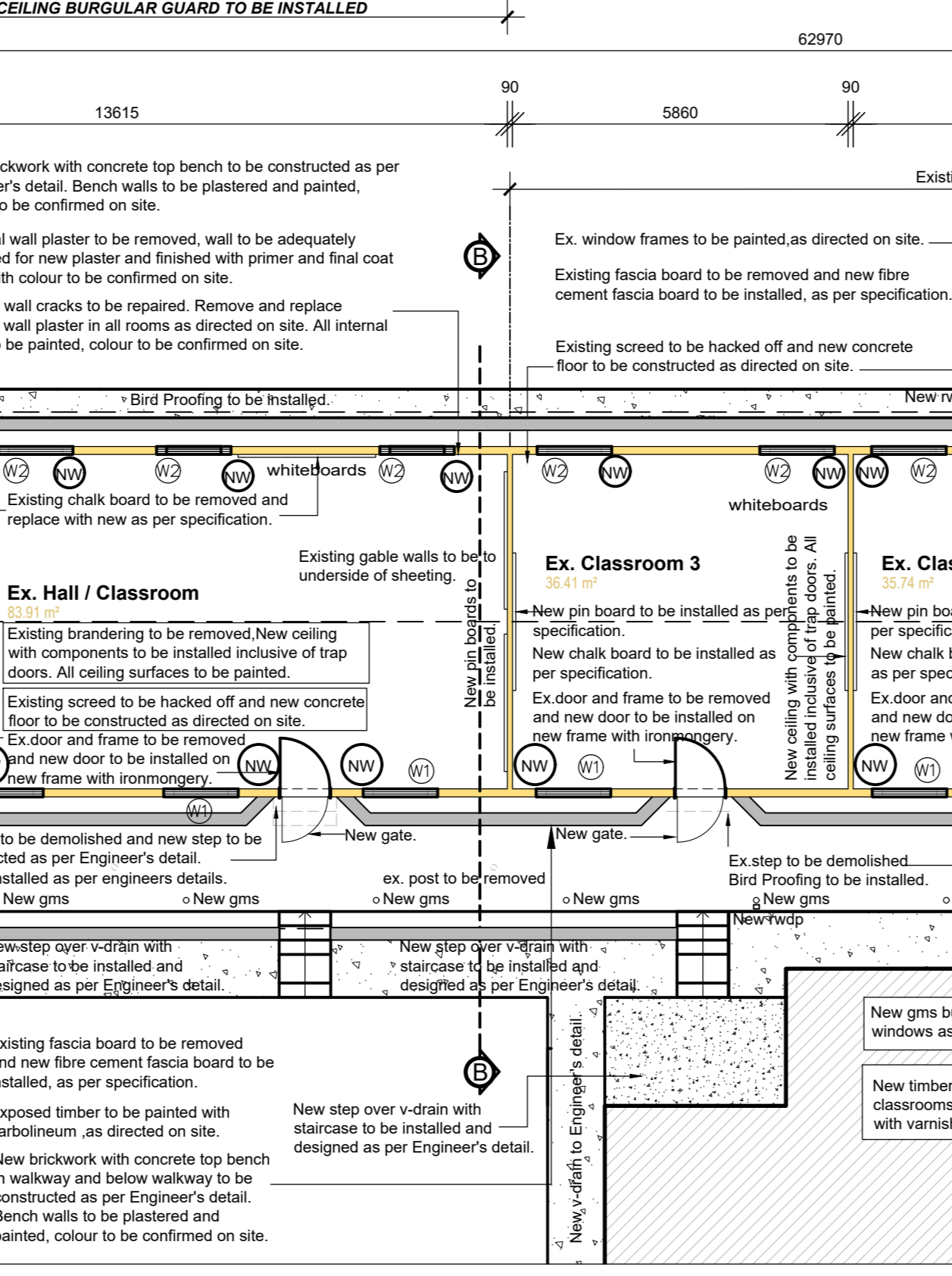
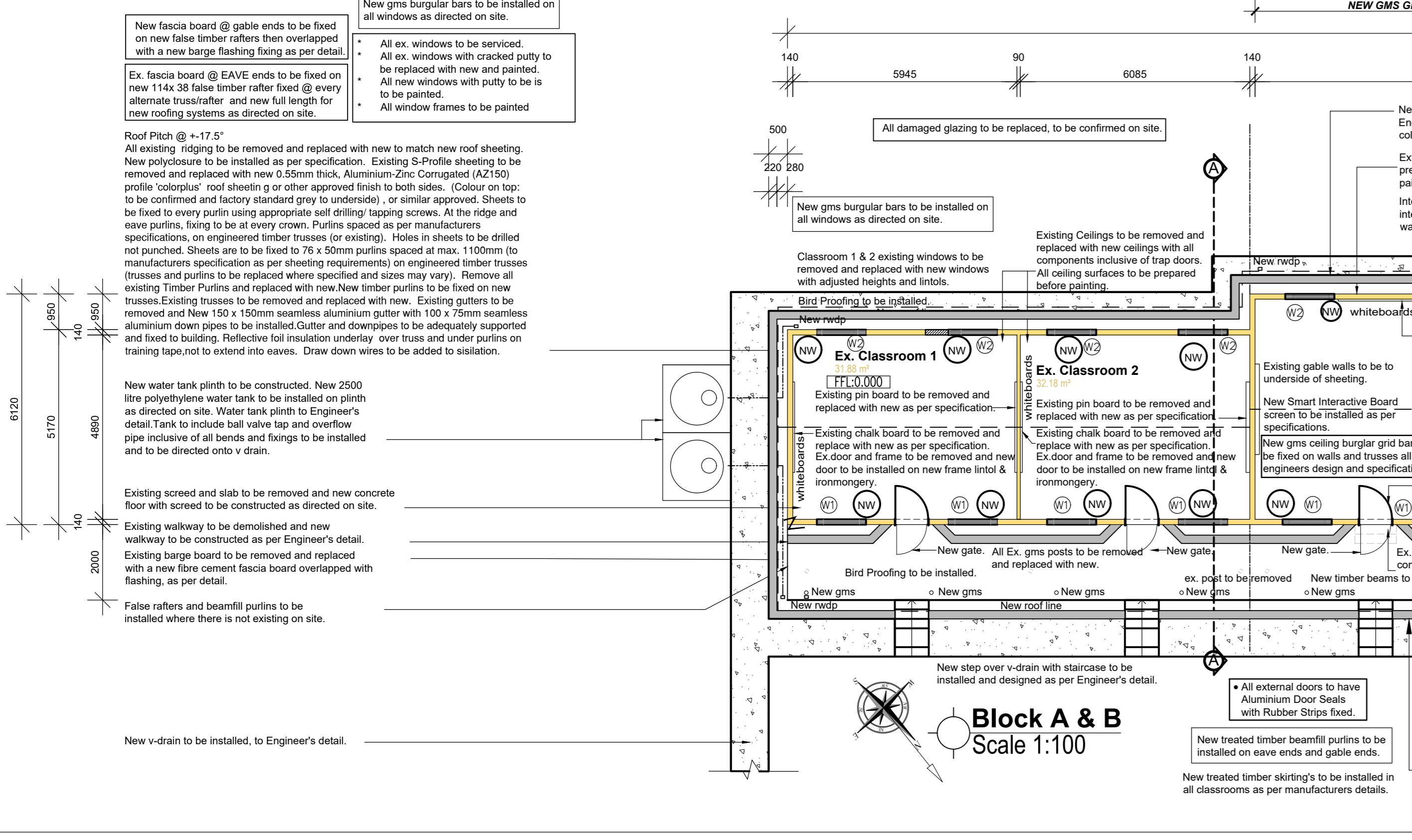
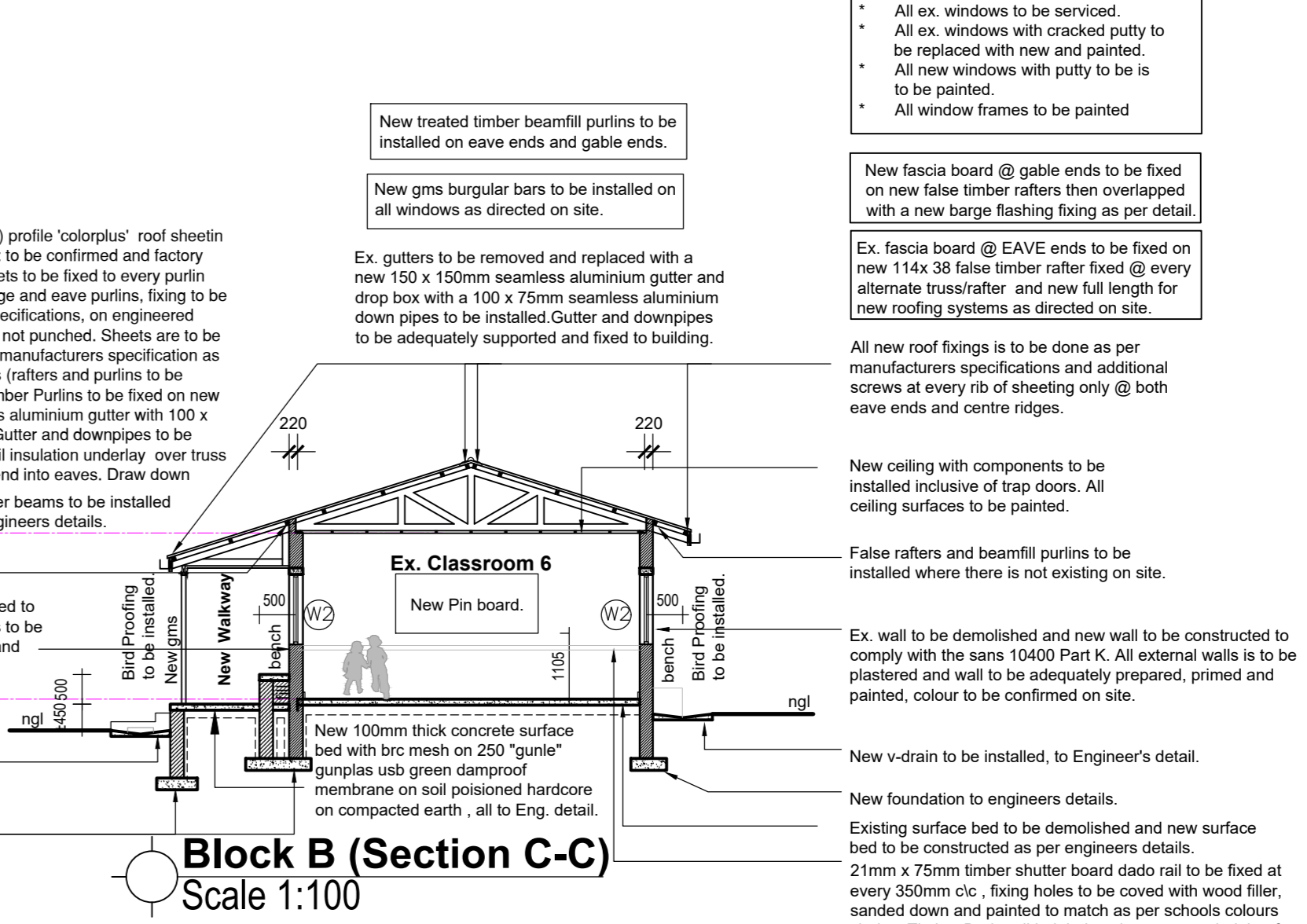
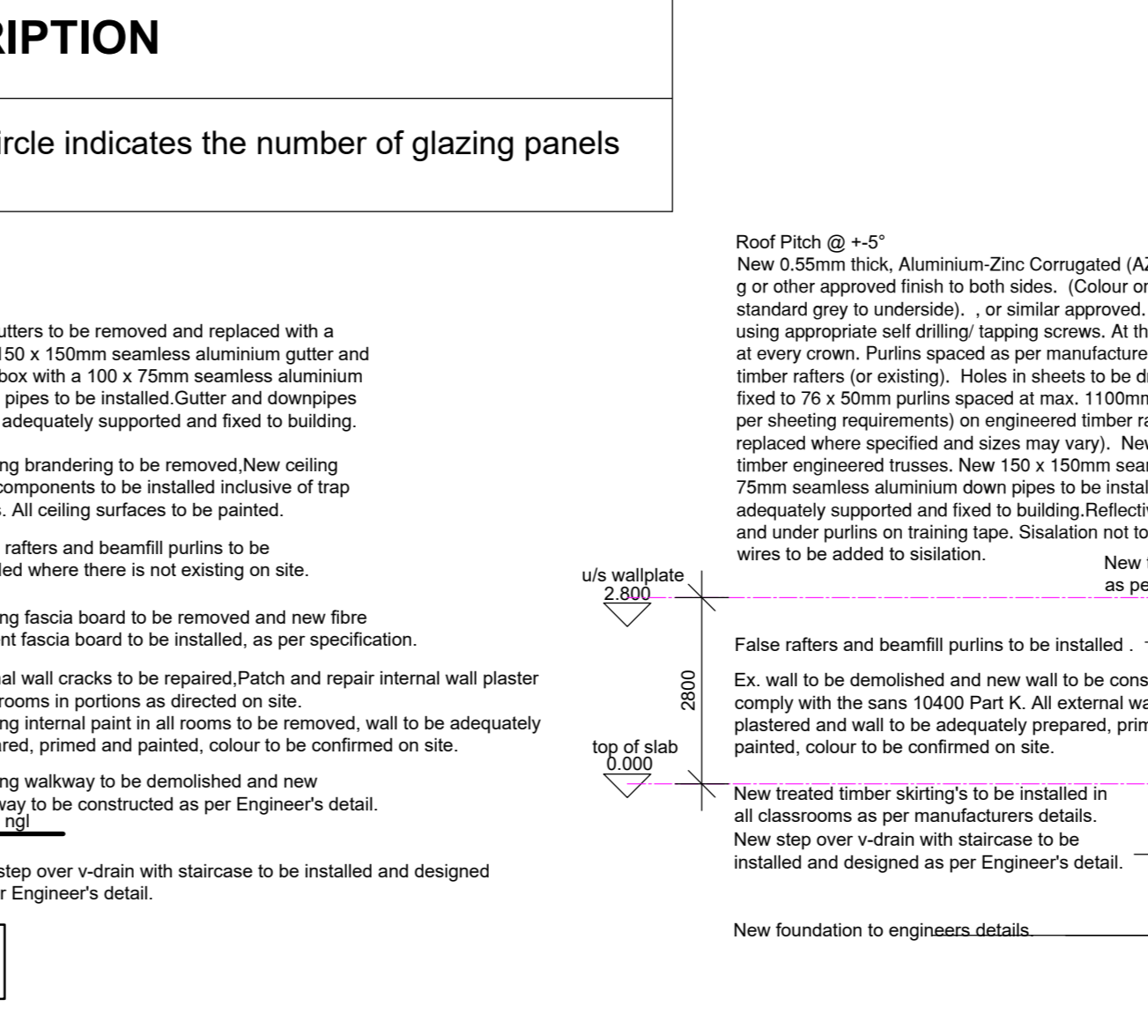
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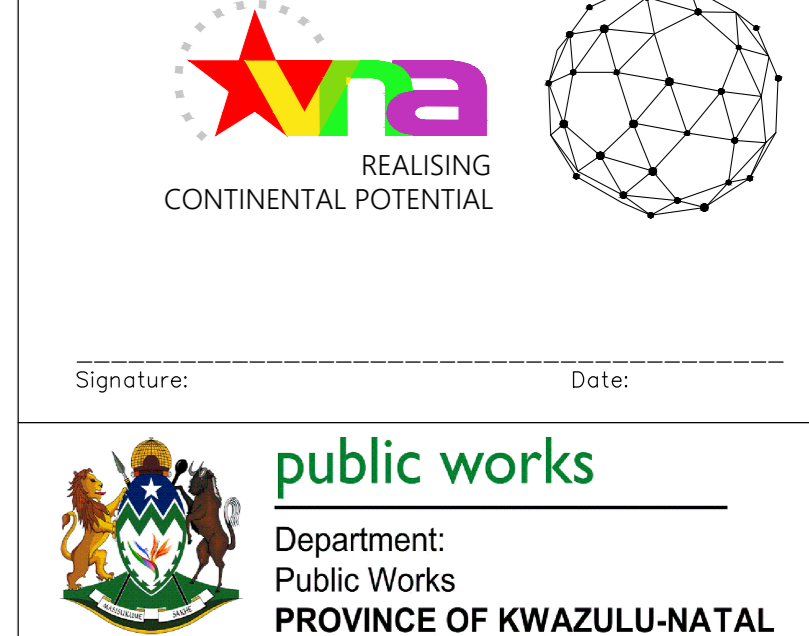
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KZN Department of Public Works Stamp and Signature

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



**Project Title:** PHASE 14: REPAIRS AND RENOVATIONS TO STORM-DAMAGED SCHOOLS - KZN MIDLANDS REGION - CLUSTER 103 - FZENE BOOTH

**PRIMARY**

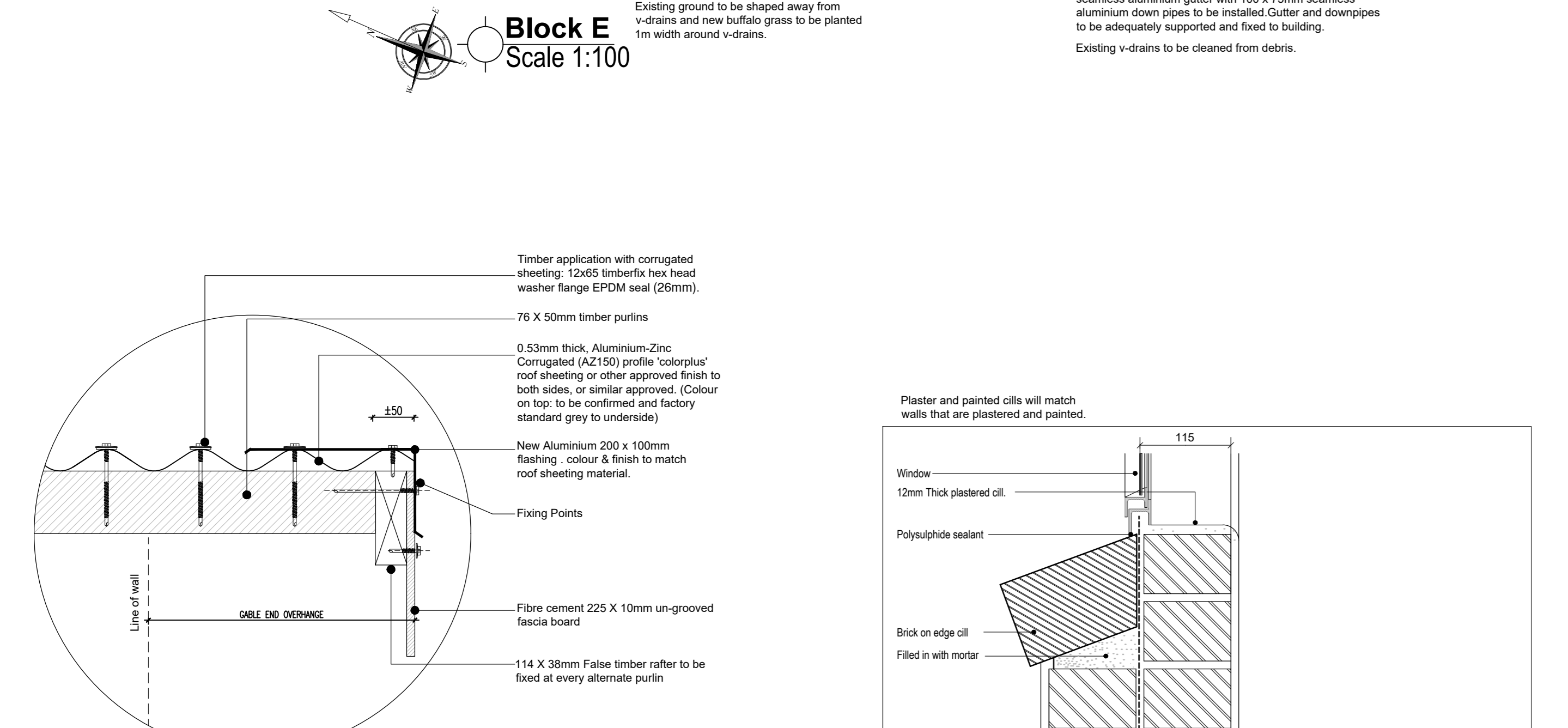
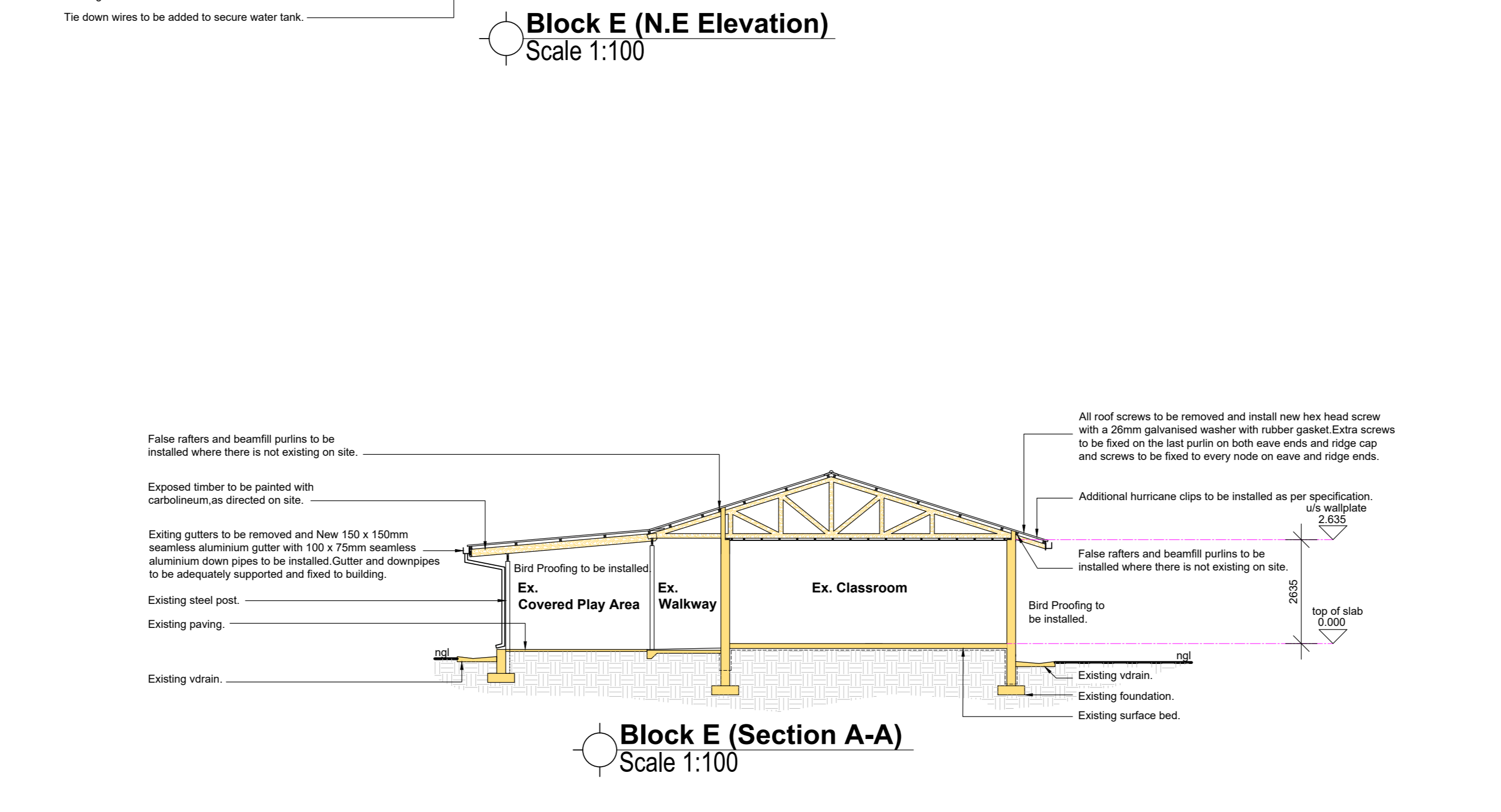
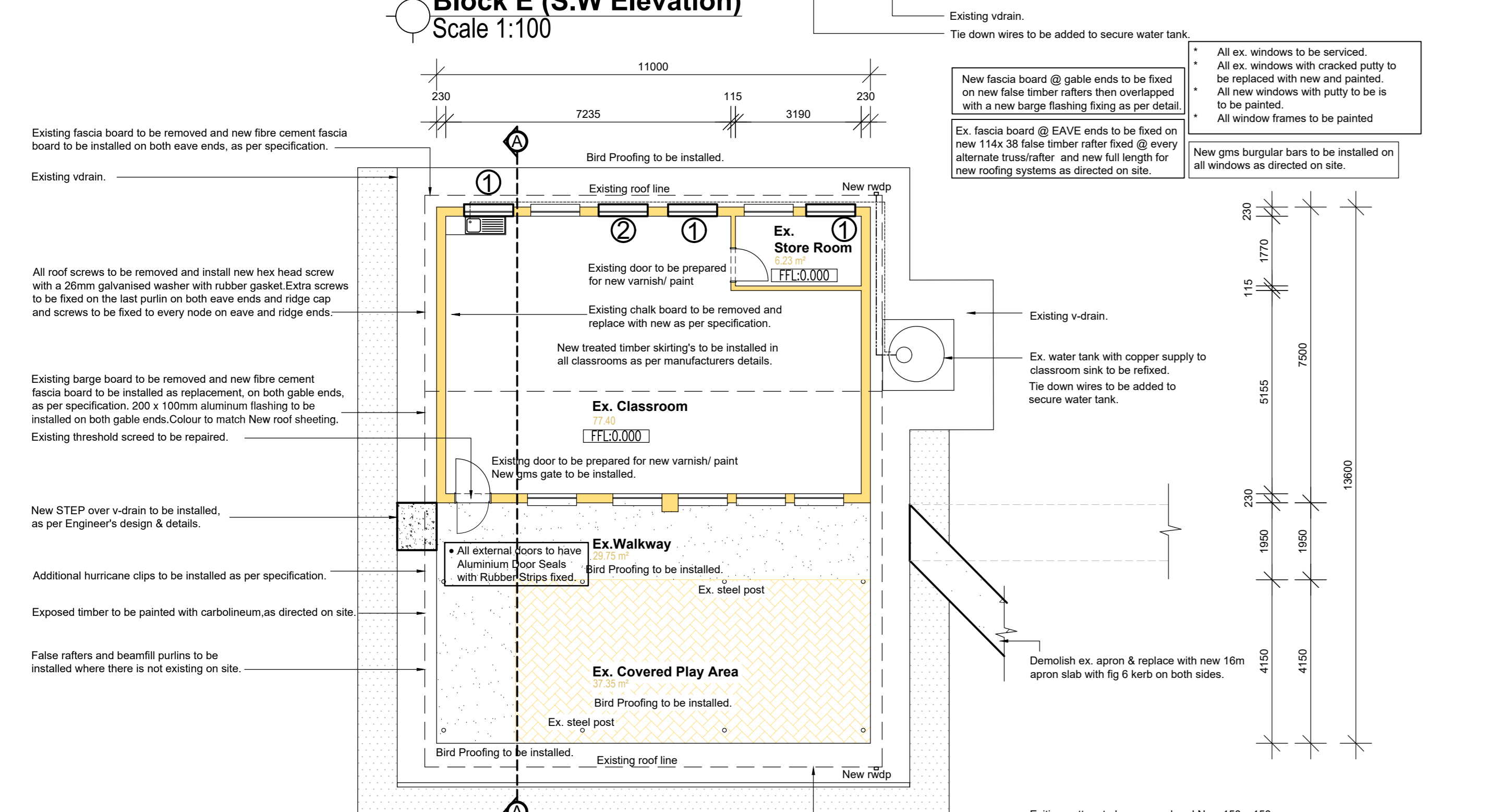
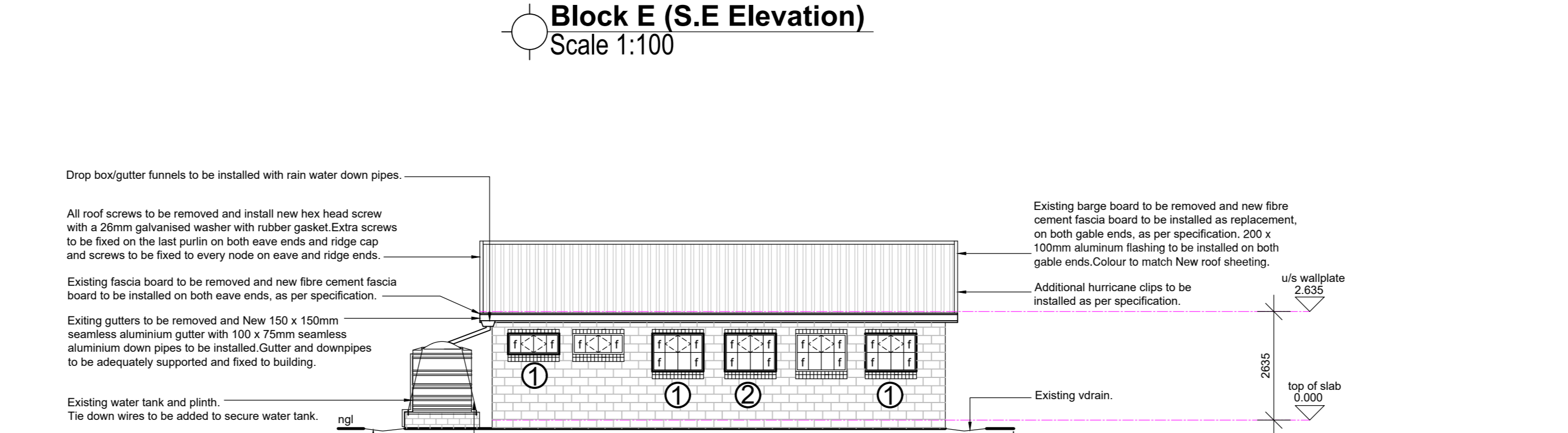
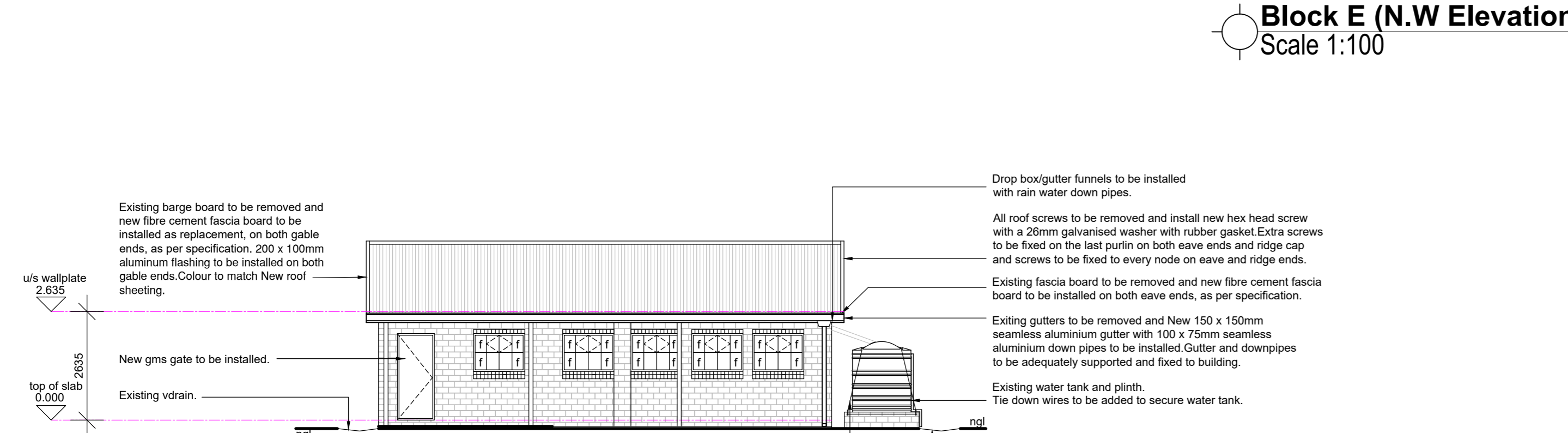
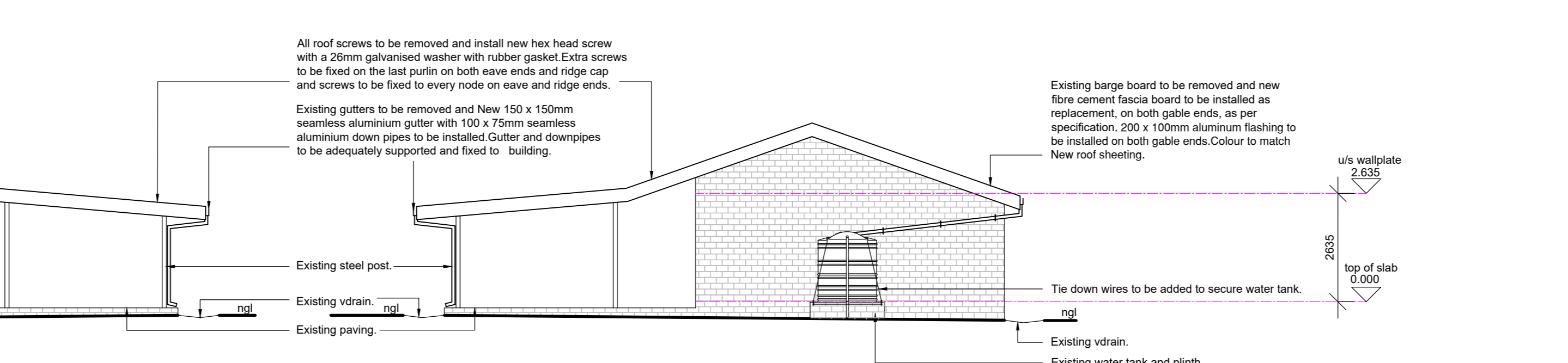
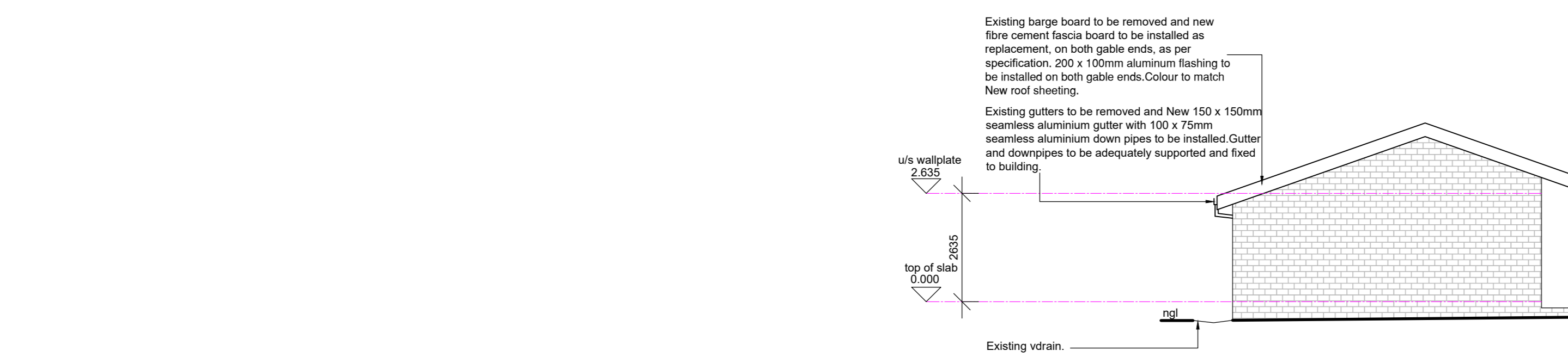
**Construction drawing for Florence Both Primary School - Block A & B: Plan/Section, Elevations, Window & Door Schedule.**

Drawn: T S / M K Date: 2022/10/12

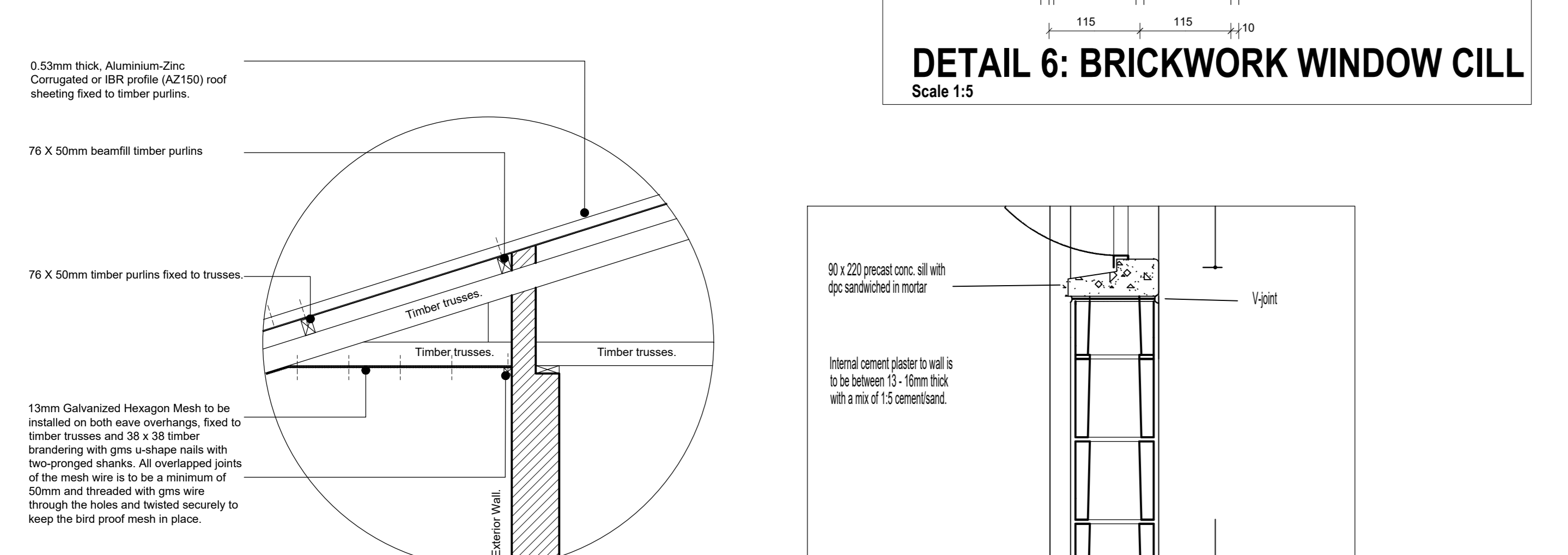
Scale: 1:100

Consultant Drawing No: 1362-18 WDO2  
DWG Drawing: 063880  
DWG WMS No: WMS - 063880  
Stamped by Design Review Committee

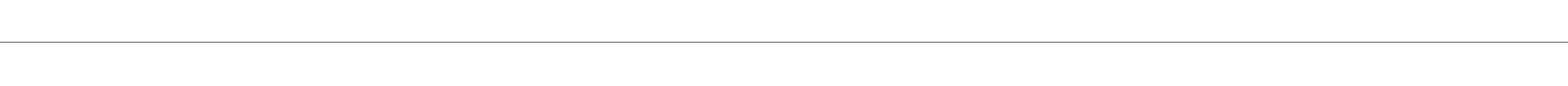




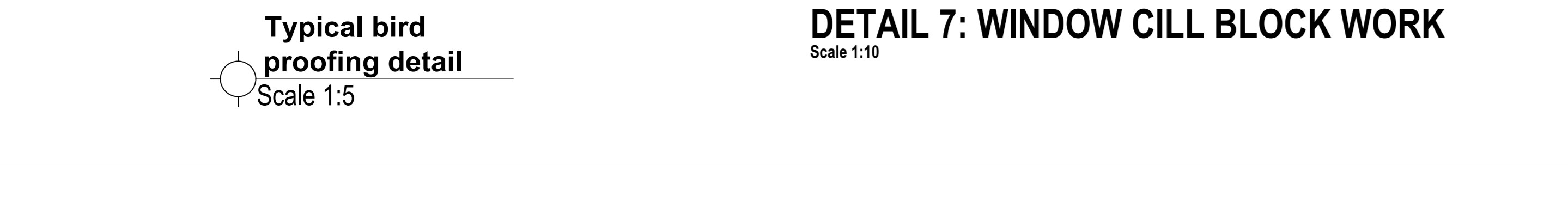
Typical Corrugated Roof Flashing Detail Scale 1:5



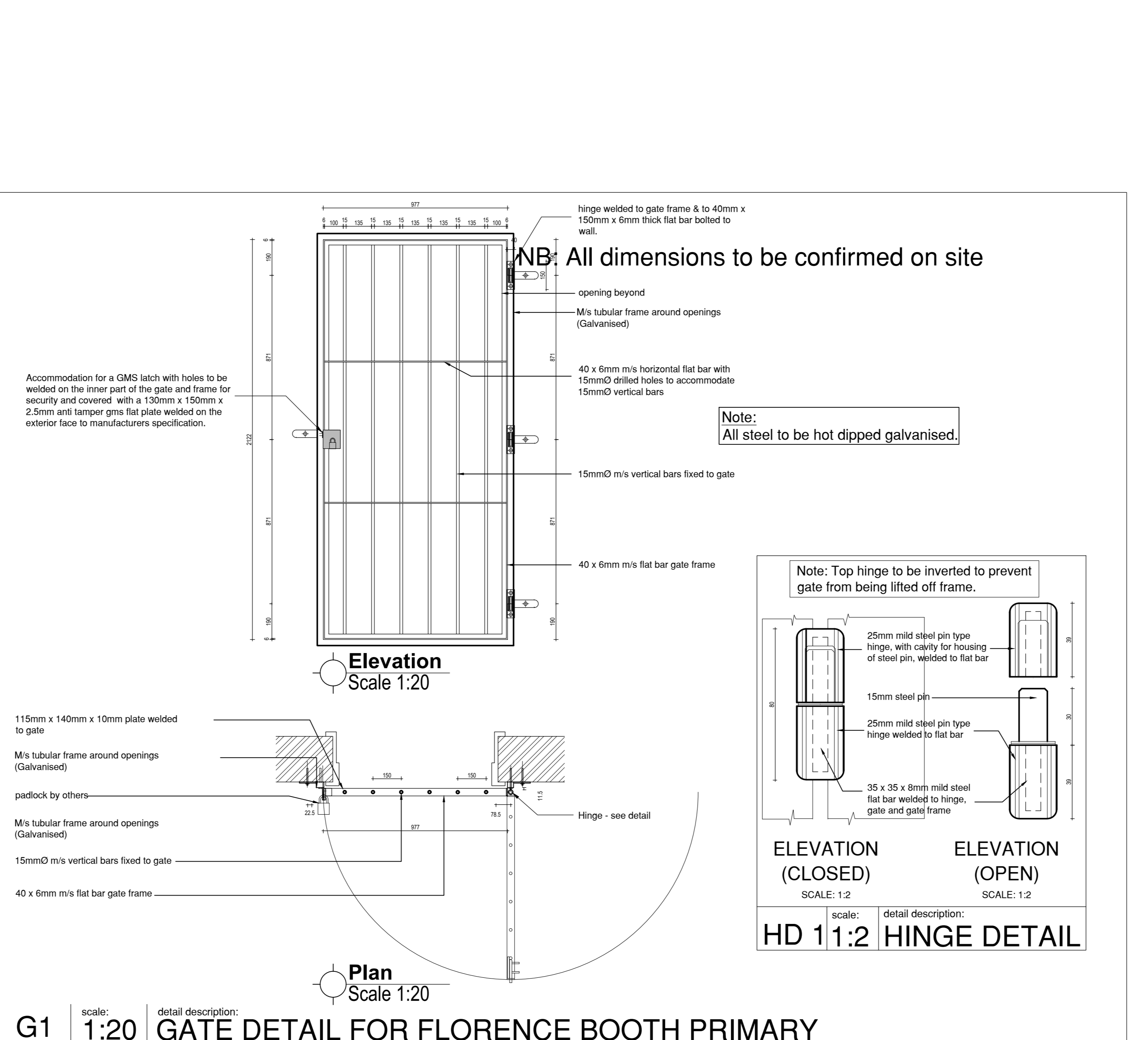
Detail 6: BRICKWORK WINDOW CILL Scale 1:5



Typical bird proofing detail Scale 1:5



Detail 7: WINDOW CILL BLOCK WORK Scale 1:10



G1 1:20 GATE DETAIL FOR FLORENCE BOOTH PRIMARY

**GENERAL NOTES:**

- All dimensions to be checked before work commences. Architect to be notified immediately of any discrepancies, errors, omissions, etc.
- Only figured dimensions to be taken; drawings are not to be scaled. All dimensions in mill's unless otherwise stated.
- All levels to be checked on site before any work commences.
- All reinforced concrete work to be strictly in accordance with structural engineers detail and specification.
- Damp proof course to comply with S.A.N.S. 10-400 requirements.
- All walls to be reinforced with the correct bracing of all and wall plate levels.
- Workmanship to be of the highest standard throughout.
- The contractor is responsible to identify all existing services and to protect these from damage whilst on site throughout the contract period.
- The contractor is responsible for the correct setting out of all works, particularly boundaries, building lines, etc.
- All work to be executed in strict accordance to S.A.N.S. 10-400 and LOCAL AUTHORITY BY-LAWS.
- All materials to be used in strict accordance to manufacturers specification.
- Soil piling to be used under all new concrete work and new water tank stands.
- Screened to be applied as directed, to Engineers detail.
- Polystyrene to be installed as indicated in drawings, and to be confirmed on site.
- Roof element size and specifications as per drawings and to be confirmed on site.
- Purins, rafters, roof sheeting, fascia, barge board, ceiling, trap doors and cornices, and to match existing where applicable.
- Removal of asbestos to be in strict accordance with the Department of Labour and CHS regulations and procedures.
- Soil Paving to be applied where specified, for all new work and existing where applicable, to manufacturer's specification and to Engineers detail.

**DOWN-PIPES:**  
100 x 75mm seamless aluminium down-pipe. Down-pipe to be adequately fixed to wall. Shoes to be provided to bottom of down-pipe. Or otherwise stated on drawings, to match existing.

**CEILING:**  
9mm thick fibre cement plain boards, fixed to 38 x 50 edge timber bracing at max 600mm centres with timber batten strips at 900mm. Crown bracing to be used at 1500mm centres at joints, ends of sheets, corners and light fittings. All nail heads to be staggered and fixed to studs at 1400mm centres. Cornices to be 20mm fibre cement plaster, gull to ceiling board and wall with a good adhesive. Ceiling and cornice to be prepared accordingly and painted with 2 coats Super Acrylic Poly mat WHITE paint. Items as above similar approved.

**CEILING TRAP DOORS:**  
Provide 1 x 600 x 300mm fibre cement trap door. Item indicated on drawings and position to be confirmed on site.

**WALLS:**  
All walls to be in strict accordance to S.A.N.S. 10-400. New walls to be built to match existing brick or block walls to be constructed as per construction standards. To be indicated by responsible individual as required. All framing and retaining walls to be strictly in accordance with Structural Engineers detail. P.C. Bricks to be installed over a new opening where walls to be plastered and painted, as specified on drawings and to be confirmed on site. All the walls to be undercoat of roof sheeting. Walls to be constructed as per existing and where specified. Wall stitching to be strictly in accordance to Engineers detail.

**MASONRY WALL: INTERNAL AND EXTERNAL (PLASTER & PAINT)**  
**NEW PLASTERED WALLS:**  
Two coat steel trowelled rendered plaster with smooth finish. Prepare and paint walls as specified below. Prepare and paint with a water based satin finish paint as described below.

**SURFACE PREPARATION:**  
Ensure that substrates as well as primed and undercoated surfaces are clean, sound and dry.

**NEW WORK:**  
Prime with PLASTER PRIMER or MULTI-SURFACE PRIMER to form an unbroken barrier coat to seal substrate surfaces properly.

**FILLING:**  
Fill defects with a good wall crack filler as appropriate.

**APPLICATION:**  
Water based paint is ready to use and is best applied by brush. Apply generous full coats so that brush marks flow out to a smooth even coat. Apply one or more coats to achieve complete collaboration. Paint colour to match existing and to be confirmed on site.

**FLASHING / WATERPROOFING:**  
Aluminium flashing and paint on waterproofing membrane or similar approved to be installed as specified on drawings, colour to match existing.

**GMS POST:**  
1000 gms steel post to be installed as indicated, fixing to Engineer's detail. Posts to be fixed to concrete and not screwed, using appropriate base plate and to be fixed to truss or beam above using appropriate channel.

**WINDOWS:**  
New windows to be hot dipped galvanized steel window or to match existing as indicated on drawings, to be confirmed on site. All new windows to be installed with firm toughened safety glass. Putty to be painted to match window frame, colour to be confirmed on site.

**GLAZING PANELS:**  
New glazing panels to be firm toughened safety glass. New putty to be installed as per manufacturers specifications, hardware to be applied once putty is smooth and applied correctly. Putty to be painted to match existing window frame, colour to be confirmed on site. All glazing to be measured and confirmed on site prior to installation.

**DOORS:**  
New doors as indicated on schedule, to be confirmed on site. All external doors to be solid meranti hardwood, internal doors to be hollow core.

**SKIRTING:**  
18mm x 75mm Meranti skirting, or similar approved with 10mm timber quadrant sanded smooth and pre-primed in mahogany, then fixed to wall. Item as above or similar approved as per manufacturer's specification.

**FLOOR COVERING:**  
Refer to drawings for location of new floor covering.  
Bakery and 2 Storey: 2000 x 3000mm semi-bulk vinyl tiles, manufactured in accordance with SANS 581, laid in acrylic adhesive, spread with a 'Vidar A24P' trowel at the rate of between 5.5ml and 6.5ml per m<sup>2</sup>, depending on the sub-floor quality, laid on screed to fall, made with waterproof admixture.  
The newly laid floor after 72 hours must be stripped using a good Stripper, mixed using a good primer and then sealed with 2 coats of a good Sealer.  
Tile colour to be confirmed. Item as above or as per approved.

**OR**  
Screed floors to Engineers detail, includes removal of existing screed and application of new. Above as specified on drawings.

**IN-SITU CHANNELS:**  
Concrete aprons and chases laid to fall and in panels, not exceeding 1.8m in length with control joints as specified by engineer on fill compacted to MOD AASHTO 98% or as specified & approved by engineer. Control joints sealed with 12mm x 24mm extruded sealant with backing strip and impregnated softboard. All to Engineers detail.

**Ex. in-situ channels (v-drains and aprons) where action needs to be taken due to vegetation growth, then the following shall apply:**  
Excess soil / vegetation to be removed from all pipe areas to be treated with soil poisoning as per manufacturer's specification. Caps to be sealed with polyethylene sealed with backing strip and impregnated softboard where applicable, to be confirmed on site, to Engineers detail.

**BACKFILL:**  
Filling to be approved clean earth, well watered and rammed in layers not exceeding 150mm. Road pits to match existing and be confirmed on site.

**WATER TANK AND PLINTH:**  
Water tank plinth constructed to Engineers detail, with 2500 litre polyethylene water tank with 20mm ball valve with globe globe lock down with handle galvanized steel fixed to 75mm hooks cast into concrete slab. All to Engineers detail. Tap to be installed as per manufacturer's specification. Item as above or similar approved. Where specified and to be confirmed on site.

**BRICK WORK:**  
Conobrick (Lawley-Gainger) 20-30 MPa Mortara Travertine FSB type clay facbrick, bedded and pointed in Class 1 mortar and pointed with flush vertical and flush horizontal joints and perpendicular, suitable for exposure areas 1:2.  
Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar.

**ELECTRICAL:**  
Electrical as per drawings, to match existing where appropriate and to be confirmed on site.

**SECURITY GATE AND BURGLAR FLAT BARS:**  
Galvanized gates to be installed as directed on site, drawings to be provided.  
Burglar bars - 20mmx20mm gal flat bars to be welded to the existing window frame, all welding joints to be treated with a protective anti rust protection spray or cold galvanneal paint coating as per manufacturer's specifications.

**CHALKBOARD:**  
1140mm (high) x 2400mm (long) wall mounted board, complete with aluminium chalk rail and form boards plugged and screwed to wall as per manufacturer's instructions.

**FASCIA BOARD:**  
Medium density glass fibre cement 225 x 10mm ungrooved fascia board, or similar approved with 16mm plastic fascia pins. Drill for and fit with hot-dipped galvanneal drive screws and washers. Item as above or similar approved. Where specified and to be confirmed on site.

**PREPARE AND PAINT BARGE & FASCIA BOARDS WITH UNIVERSAL ENAMEL AS DESCRIBED BELOW:**  
**SURFACE PREPARATION:**  
Ensure that substrate as well as primed and undercoated surfaces are clean, sound and dry.

**NEW WORK:**  
Prime with PLASTER PRIMER or MULTI-SURFACE PRIMER. Apply liberally in order to obtain an unbroken barrier coat to seal surface properly.

**FILLING:**  
Fill defects with a good wall crack filler.

**UNDERCOAT:**  
To all surfaces prepared and primed as above, apply a coat of UNIVERSAL UNDERCOAT.

**APPLICATION:**  
Apply one or more coats to achieve complete collaboration. Colour to Architects choice.

**GUTTERS:**  
150 x 150mm seamless aluminium gutters with end closures and drop box. Gutters to be adequately supported and fixed to roof and gable ends, as directed on drawings, to match existing.

**NOTE:**  
- All STRUCTURAL, CIVIL AND ELECTRICAL WORKS to professional Engineers details.  
- All STRUCTURAL, CIVIL AND ELECTRICAL ENGINEERS to take preference over structural, civil & electrical details indicated on this drawing.

**GENERAL SPECIFICATION / CONSTRUCTION NOTES:**  
All roofs to comply with "Part L" of the S.A.N.S. 10-400.

**ROOF:**  
0.53mm thick, Aluminium-Zinc IRR (AZ150) profile 'isotrap' roof sheeting or other approved finish to both sides. (Colour on top to be confirmed and factory standard grey to underside). Sheets to be fixed to every purin using appropriate self-drilling tapping screws. At the ridge and eave purins, fixing to be as every crown. Purins spaced as per manufacturers specifications, on engineered timber trusses (trusses and purins to be replaced where specified and sizes may vary).

0.53mm thick, Aluminium-Zinc Compated (AZ150) profile 'isotrap' roof sheeting or other approved finish to both sides, or similar approved. Thickness of sheeting to be confirmed on site where matching existing. (Colour on top to be confirmed and factory standard grey to underside). Sheets shall be fixed to every purin using galvanized steel 'AL707' clips to be fixed to purins using the appropriate self-drilling tapping screws. At the ridge and eave purins, fixing to be at every crown. Purins to be spaced as per manufacturers specifications, on engineered timber trusses (trusses and purins to be replaced where specified and sizes may vary).

0.53mm thick, Aluminium-Zinc Compated (AZ150) profile 'isotrap' roof sheeting or other approved finish to both sides, or similar approved. Thickness of sheeting to be confirmed on site where matching existing. (Colour on top to be confirmed and factory standard grey to underside). Sheets shall be fixed to every purin using galvanized steel 'AL707' clips to be fixed to purins using the appropriate self-drilling tapping screws. At the ridge and eave purins, fixing to be at every crown. Purins to be spaced as per manufacturers specifications, on engineered timber trusses (trusses and purins to be replaced where specified and sizes may vary).

0.53mm thick, Aluminium-Zinc Compated (AZ150) profile 'isotrap' roof sheeting or other approved finish to both sides, or similar approved. Thickness of sheeting to be confirmed on site where matching existing. (Colour on top to be confirmed and factory standard grey to underside). Sheets shall be fixed to every purin using galvanized steel 'AL707' clips to be fixed to purins using the appropriate self-drilling tapping screws. At the ridge and eave purins, fixing to be at every crown. Purins to be spaced as per manufacturers specifications, on engineered timber trusses (trusses and purins to be replaced where specified and sizes may vary).

**General roof notes:**  
Roof to be installed in strict accordance with manufacturers specification. All sheeting to be handled with care, no scuffing or damaged sheeting shall be installed. All scuffed or damaged sheets to be removed of site immediately. Sheeting to be installed by manufacturer approved installer. Manufacturer to inspect sheeting after installation and supply certification.

Reflective foil insulation underlying (economical, durable, double sided reflective foil laminated with advanced fire retardant properties FR400 or similar approved) over trusses and under purins on trussing tape on both ends.

Roof trusses to be fixed down to walls with 30mm x 1.6mm thick and 1.6m long galvanized hoop iron straps built into brickwork as per S.A.N.S. 10-400 requirements prior to erection of trusses. Reflective foil insulation not to extend into eaves. Reflective foil insulation to be installed where specified. Trusses spaced as per engineers specification and resting on 114 x 38mm wall plates.

Humane clips to be used at all purin/truss nodes, and to be installed at eave and ridge purins (if applicable), as directed on site.

Polystyrene polyisocyanurate or similar approved to be installed at the ridge and eaves. Where a portion of sheeting is being installed, polyisocyanurate is to be installed at the ridge and eaves. Where a portion of sheeting is being installed, or the ridge is being re-installed or replaced polyisocyanurate is to be added at the ridge only.

Brastruff closure or similar approved is to be installed for all IRR and Klokak roof sheeting at the ridge, profile, colour and material to match the roof sheeting.

Flexible wax and resin impregnated polyurethane foam to be installed at the ridge when installing ridge cap (Composite roof sheeting and/or brastruff closure and ridge cap (IRR or Klokak roof sheeting)).

Floor plate to match existing and be confirmed on site.

All exposed timber to be painted with carbolineum, painting to be completed prior to installation.

Appropriate ridge to be installed as per sheeting specification. Colour to match roof sheet.

114 x 38mm false rafters to be installed, as every alternative truss to the full length on both sides of the eave (fascia board support) as well as both gable ends (large board support).

Roof fill purins to be installed at ridge and gable ends, as directed on site.

Roof sheeting as specified above or similar approved.

Roof Screws:  
Timber application with conungated sheeting: 12x65 timberhex hex head washer flange EPDM seal.

Timber application with IRR sheeting: 12x65 timberhex hex head washer flange EPDM seal, new roofs to use these screws with the washer (26mm) supplied by the supplier, existing roofs to use the bevelled metal/rubber washer.

Cutler bolts to be added where there are excessive holes, that are not fixing holes, to be directed on site.

\*AG20 re-reinforced aluminium foil tape to be added on the underside and on top of insulation where sheets overlaps on both sides.

**AIR BRICKS:**  
225 x 150mm terra cotta vermin proofed air bricks, or similar approved built into brick beam fill. Install as specified on drawings, or similar approved.

**BARGE BOARD:**  
Fibre cement 225mm x 15mm fascia boards, joined together with 225mm x 15mm Plastic H-Profile Fascia Joiners. Fix 75 x 50mm timber timber batten to underside of purin ends for barge board fixing. Drill for and fix fascia board to timber batten with hot-dipped galvanneal screws and washers. 200 x 100mm aluminium fascia board. Item as above or similar approved. Where specified and to be confirmed on site, item as above or similar approved.

**FASCIA BOARD:**  
Medium density glass fibre cement 225 x 10mm ungrooved fascia board, or similar approved with 16mm plastic fascia pins. Drill for and fit with hot-dipped galvanneal drive screws and washers. Item as above or similar approved. Where specified and to be confirmed on site.

**PREPARE AND PAINT BARGE & FASCIA BOARDS WITH UNIVERSAL ENAMEL AS DESCRIBED BELOW:**  
**SURFACE PREPARATION:**  
Ensure that substrate as well as primed and undercoated surfaces are clean, sound and dry.

**NEW WORK:**  
Prime with PLASTER PRIMER or MULTI-SURFACE PRIMER. Apply liberally in order to obtain an unbroken barrier coat to seal surface properly.

**FILLING:**  
Fill defects with a good wall crack filler.

**UNDERCOAT:**  
To all surfaces prepared and primed as above, apply a coat of UNIVERSAL UNDERCOAT.

**APPLICATION:**  
Apply one or more coats to achieve complete collaboration. Colour to Architects choice.

**GUTTERS:**  
150 x 150mm seamless aluminium gutters with end closures and drop box. Gutters to be adequately supported and fixed to roof and gable ends, as directed on drawings, to match existing.

**CHALKBOARDS REPLACED WITH WHITE BOARDS:**  
Fixed projection white board (NON REFLECTIVE). Aluminium framed, magnetic surface (Centre board) complete with 2 x Swing left Aluminium framed magnetic chalk boards (without any lines or graphics etc) with heavy duty hinges and one complete aluminium pen tray for the full length of the centre board. Centre board size to be 2420 x 1200 with 12mm thick chalk board size to be 2220 x 1200 mm. Aluminium pen tray length 2250mm fitted to Centre board.  
1 Complete full set of magnetic starter pack, consisting of the following for each board supplied:  
4 x White board markers Red, Green, Black, Blue,  
1 x Cleaning Cloth,  
1 x Magnetic Eraser,  
1 x Cleaning Fluid 250 ml  
4 x rounded magnets 4 way.

**DADO RAILS:**  
New 18mm x 120mm timber shutter board Dado rail fixed into walls @ every 400mm o/c, with a 6 x 40mm fixing screw in nylon strip outside for walls and timber purpose. All fixing holes to be covered with a wood filler and sanded down smoothly before painting with approved colour on site. All Dado rail heights to be in mm, height of 600mm high, subjected, to match all table and chair heights on site.

All information is to be confirmed on site and directed by the responsible individual, items as above or similar approved, and to match existing where applicable. Any discrepancies to be brought to the consultants attention prior to the commencement of any work.

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Consultant:** \_\_\_\_\_

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Department:** public works  
**Province:** Public Works  
**PROVINCE OF KWAZULU-NATAL**

**Project Title:** PHASE 14: REPAIRS AND RENOVATIONS TO STORM DAMAGED SCHOOLS - KZM MIDLANDS REGION - CLUSTER 103 - FLORENCE BOOTH PRIMARY

**Drawing Description:** Construction drawing for Florence Booth Primary School - Block E : Plans, Section, Elevations, General Details & Gate Detail

**Drawn:** T/S / M/K **Date:** 2022/10/12

**Scales:** 1:100

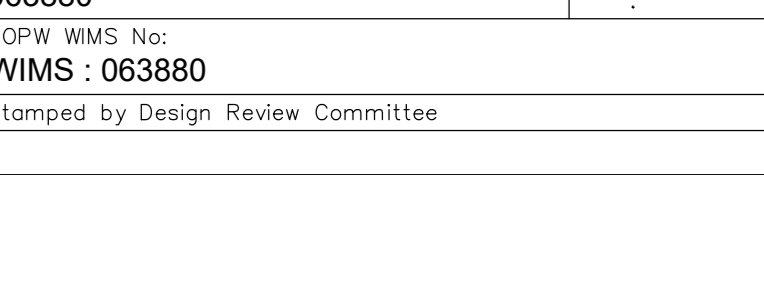
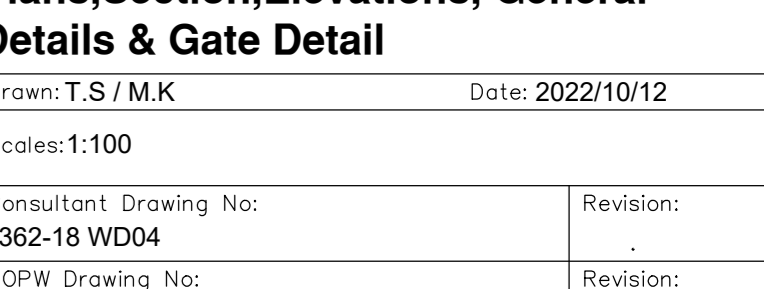
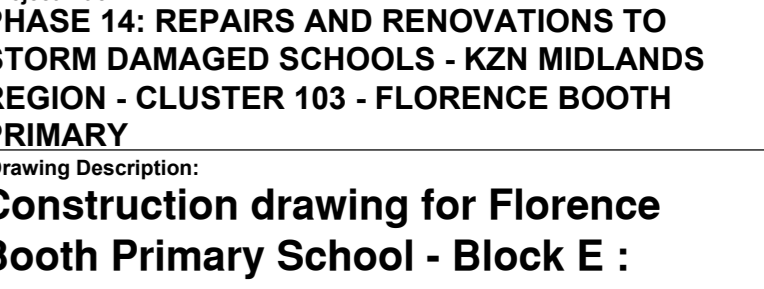
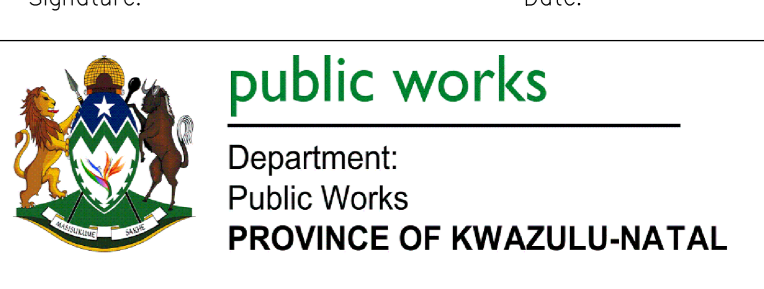
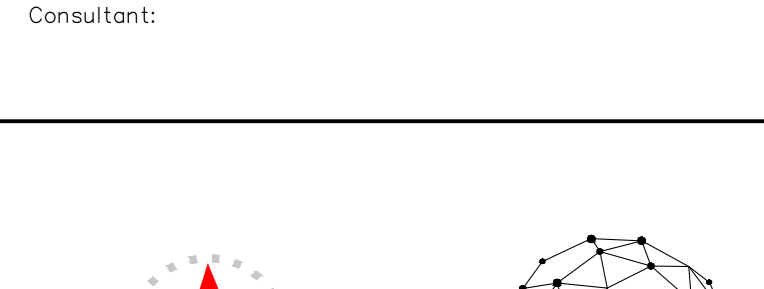
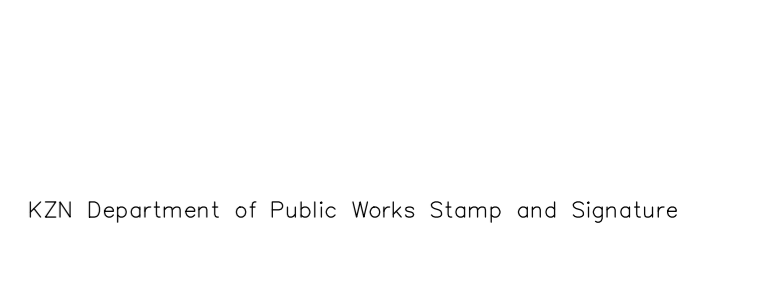
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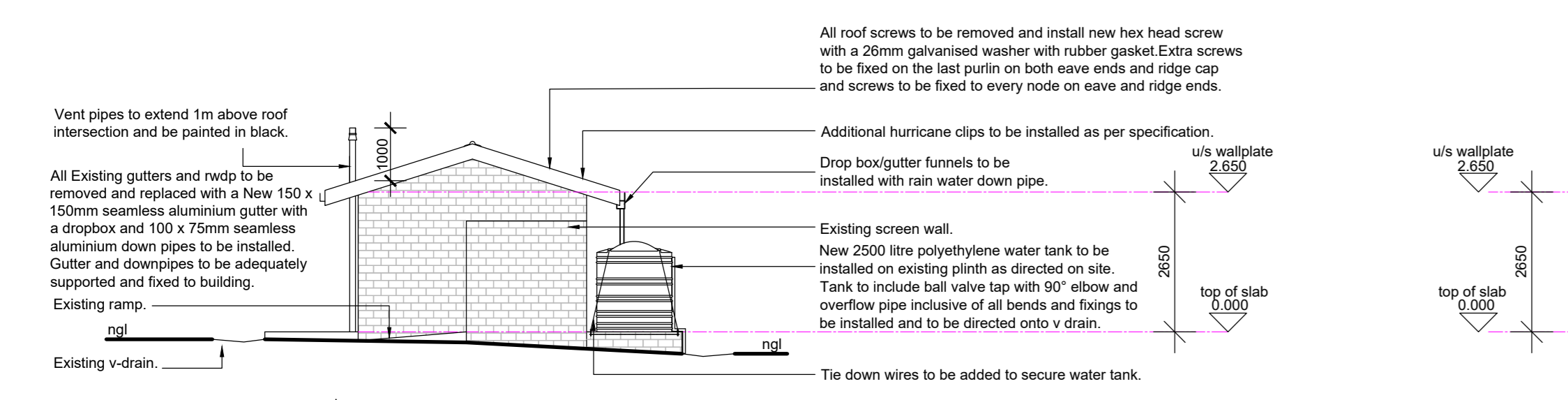
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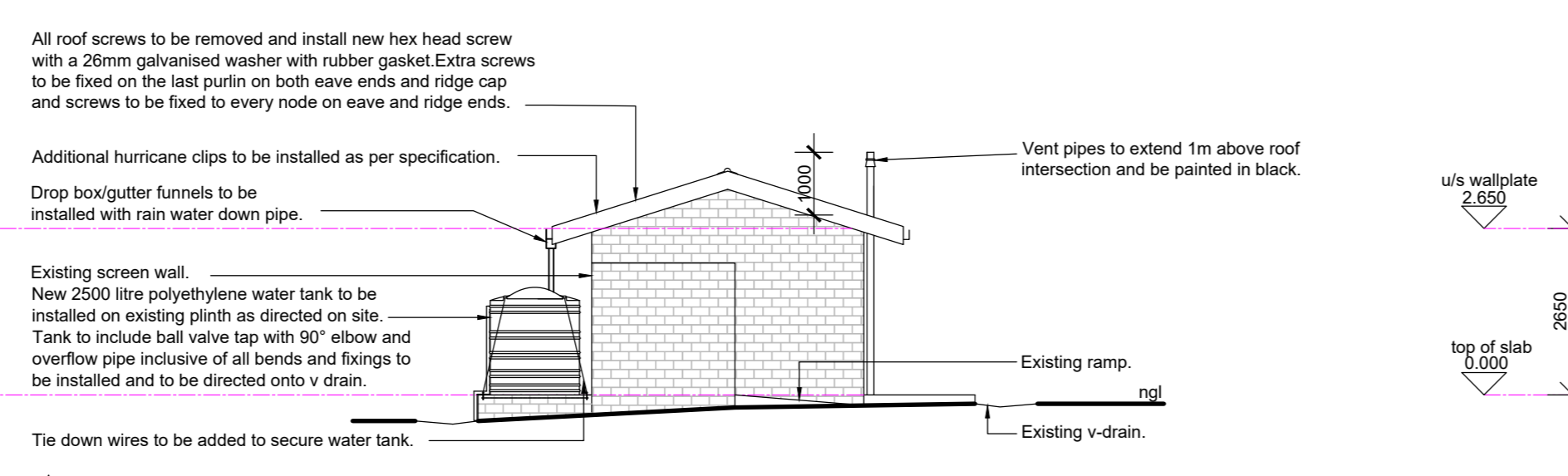
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Stamped by Design Review Committee

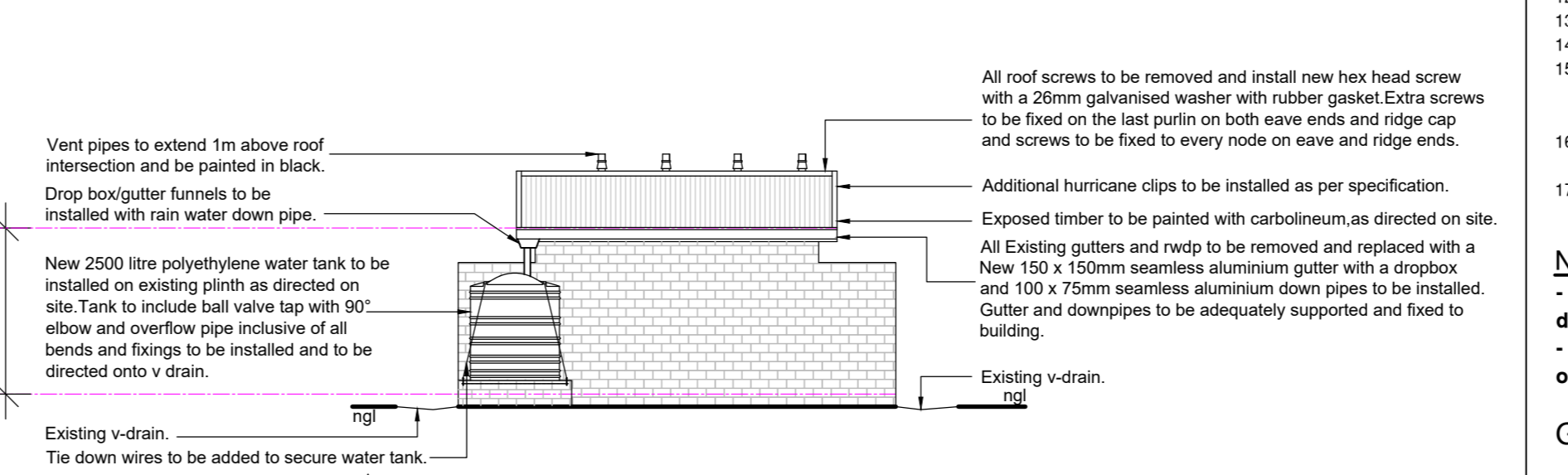




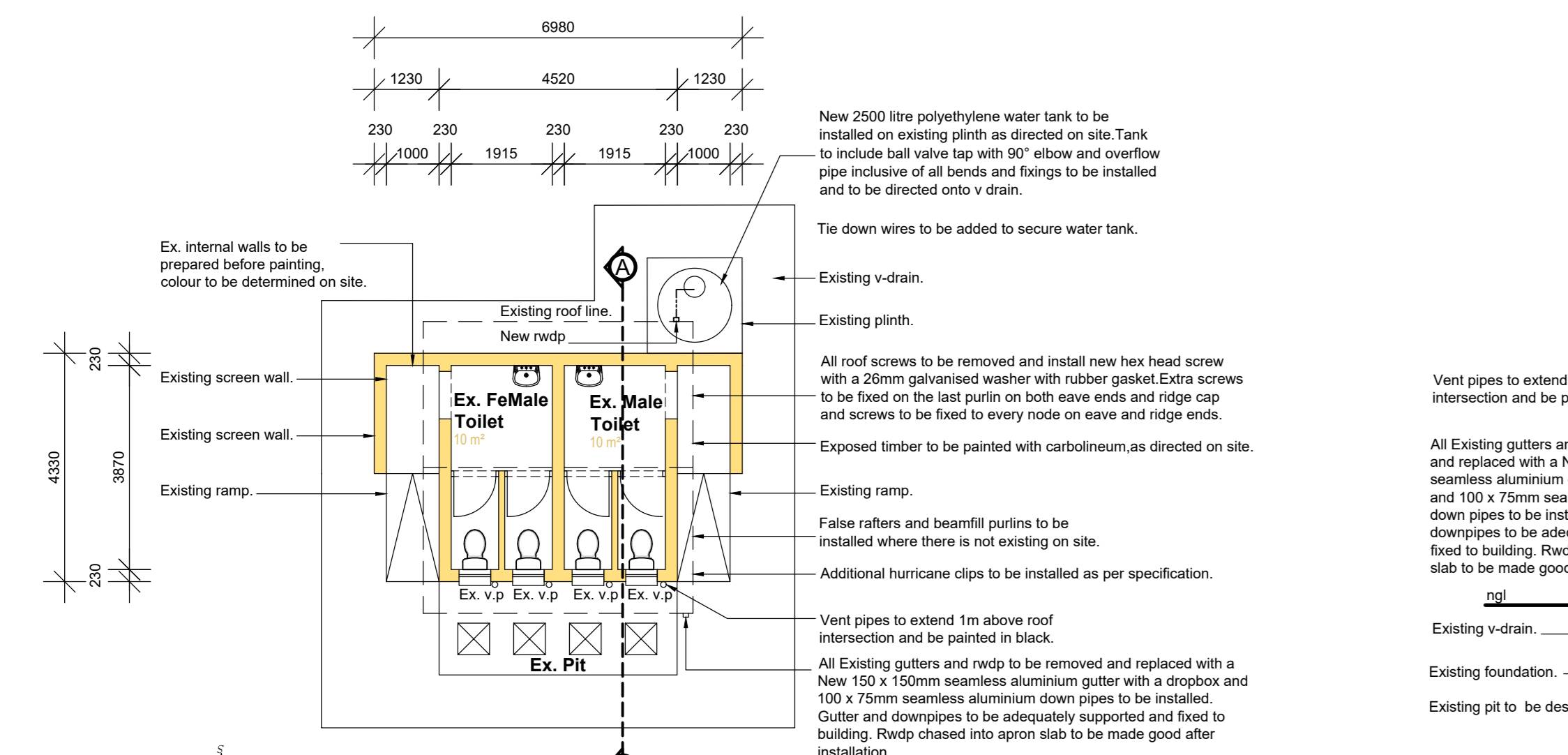
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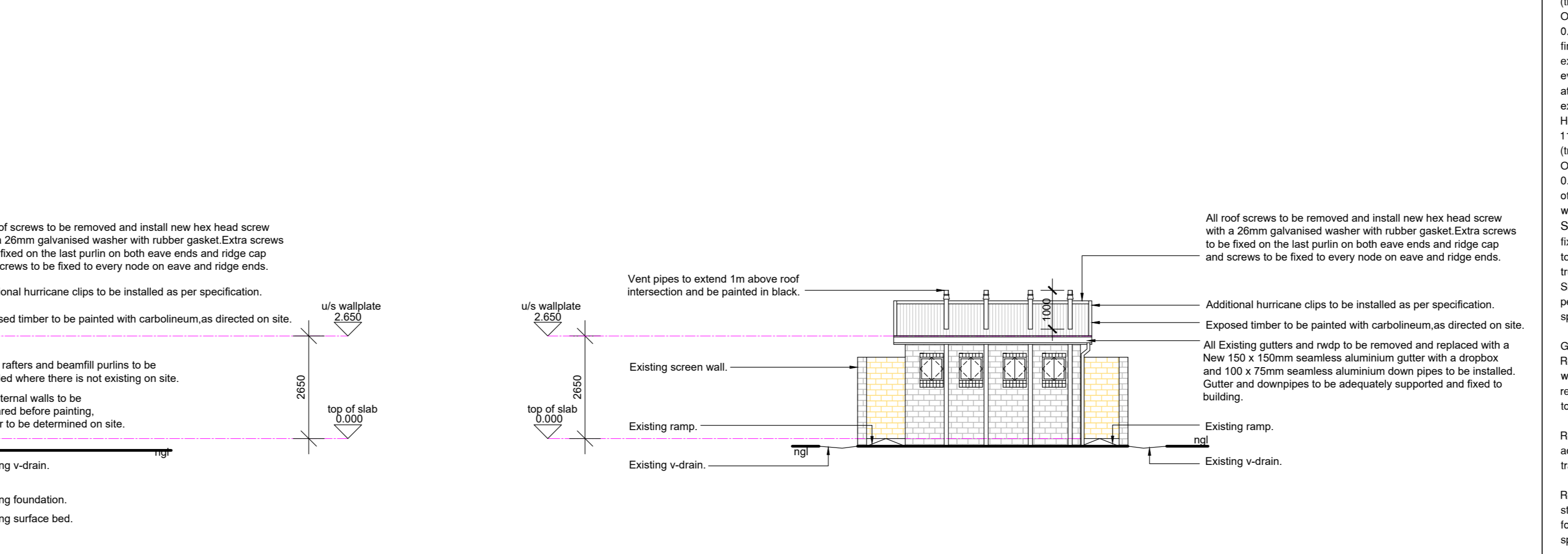
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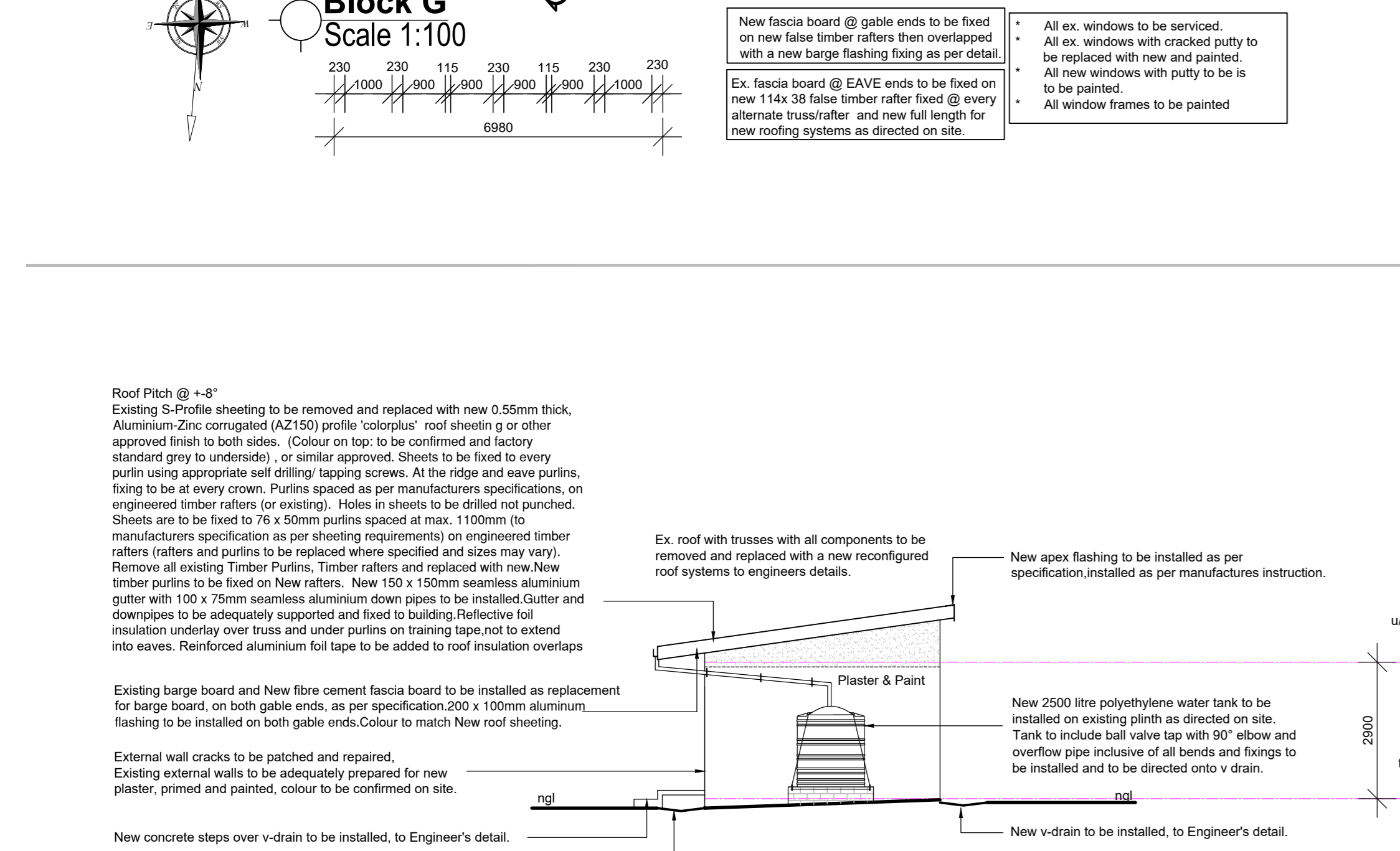
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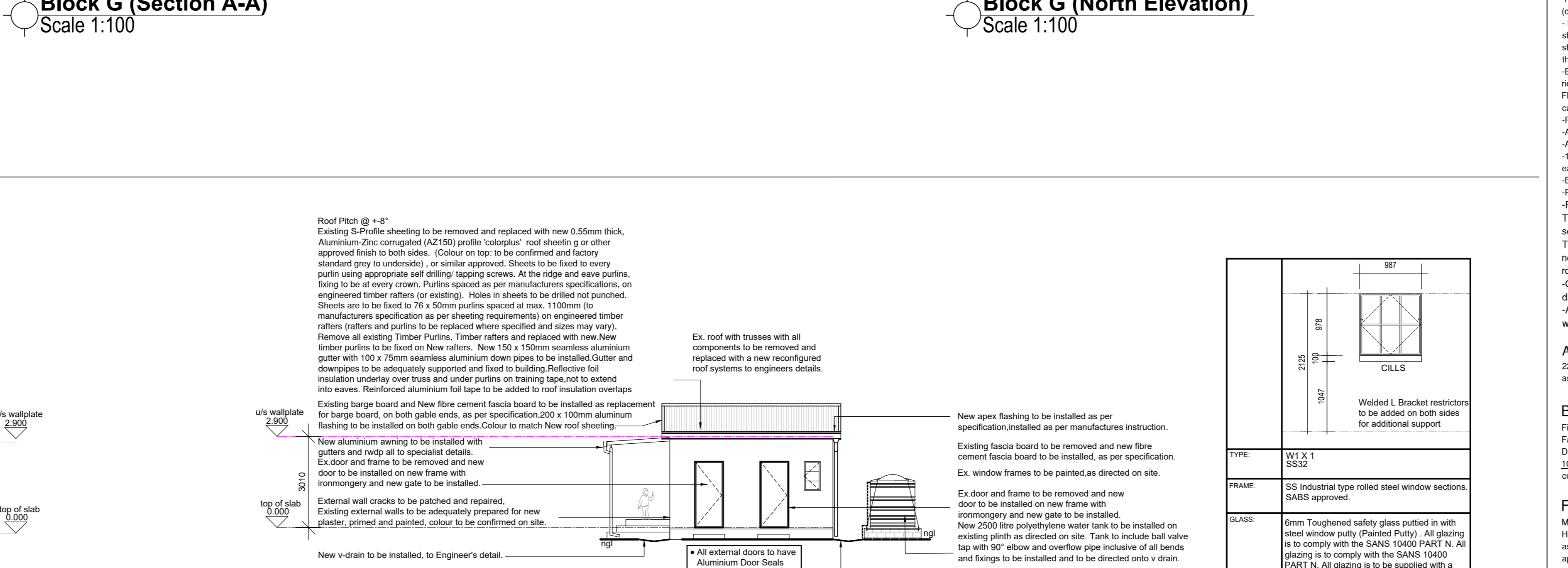
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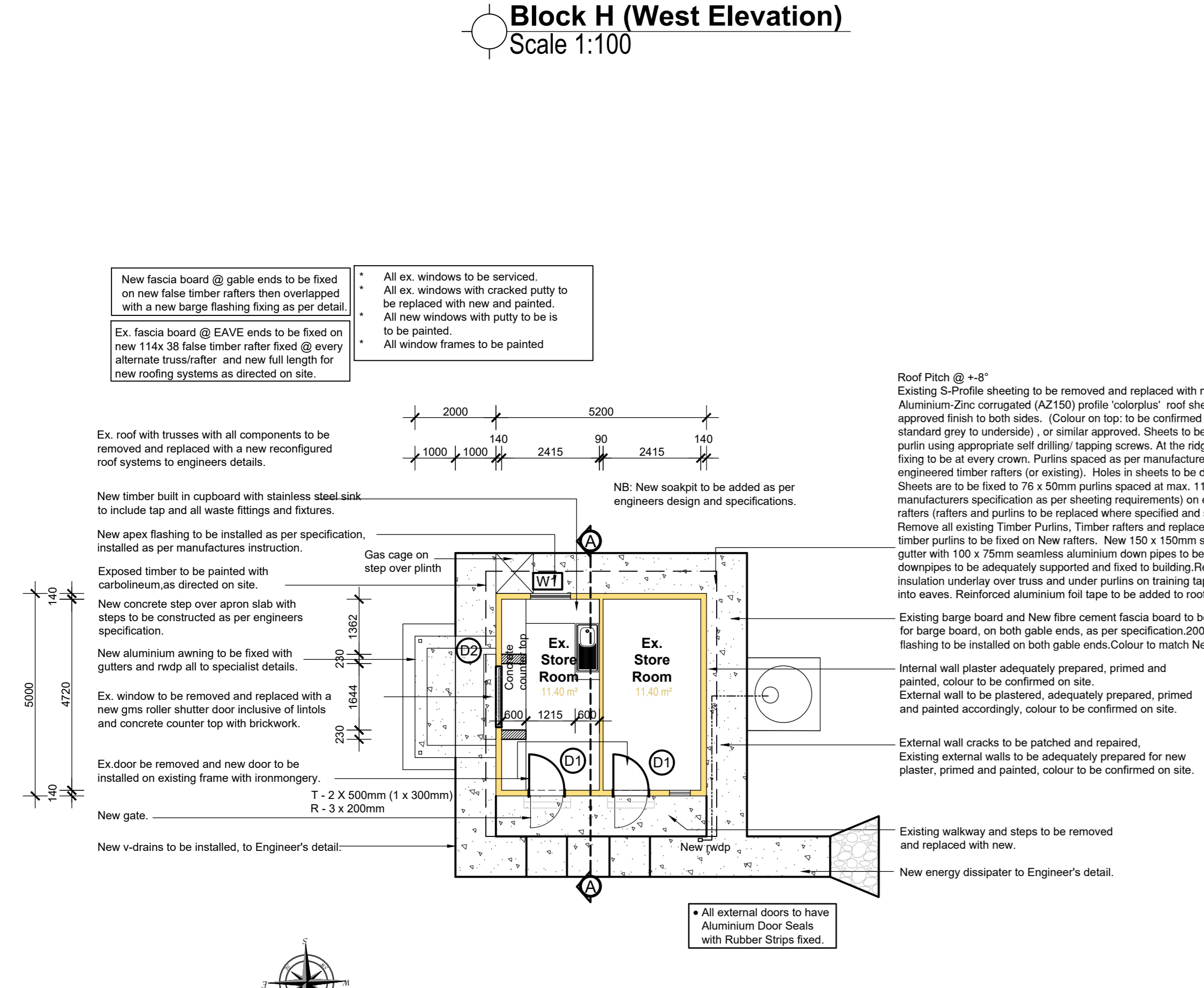
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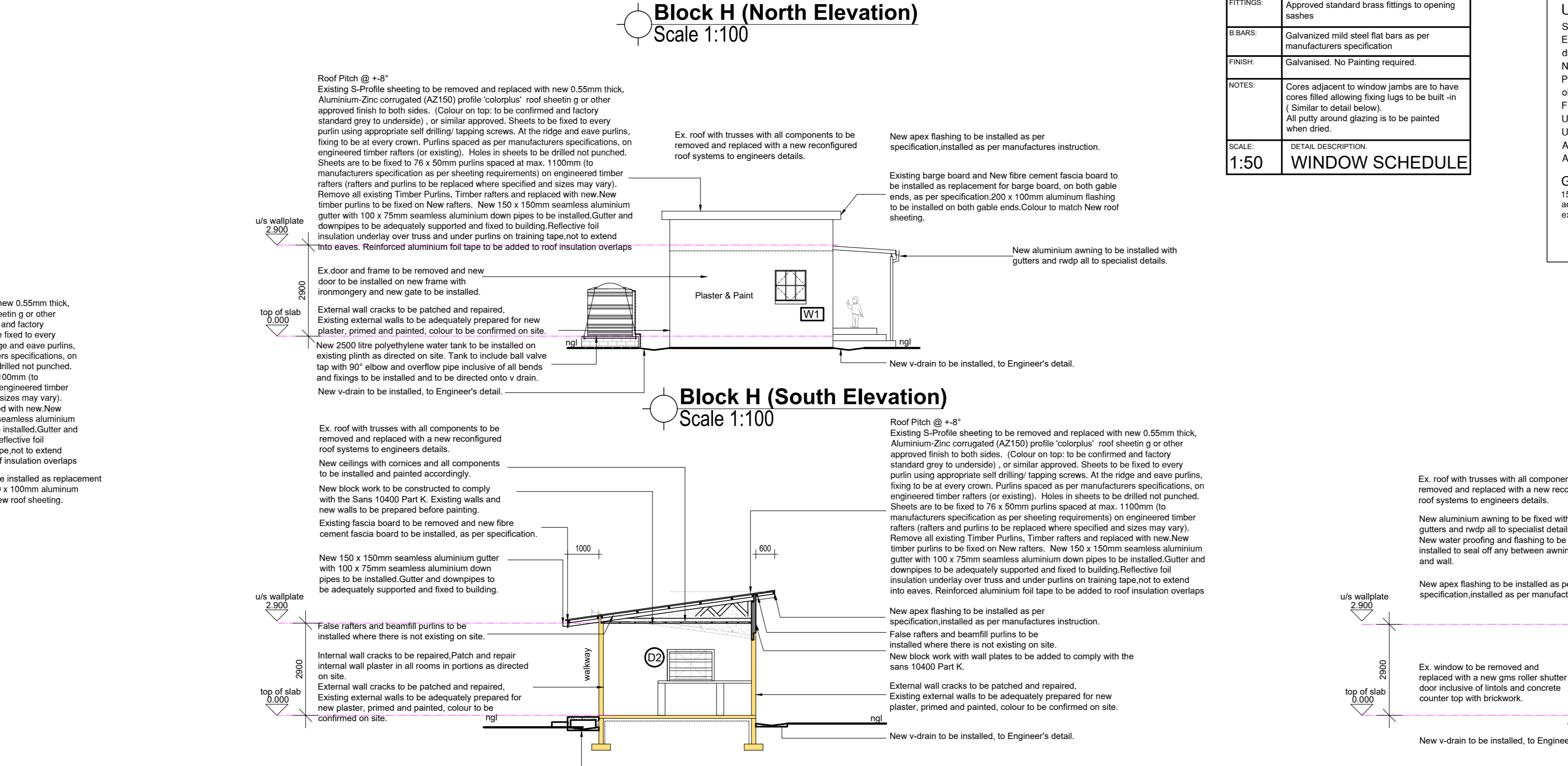
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Block H (North Elevation) Scale 1:100



Block H (Section A-A) Scale 1:100



Block H (South Elevation) Scale 1:100



- GENERAL NOTES: 1. All dimensions to be checked before work commences. 2. Only finished dimensions to be taken. 3. All dimensions in mm unless otherwise stated. 4. All work to be checked on site before any work commences. 5. All reinforced concrete work to be strictly in accordance with structural engineers details and specification. 6. All walls to be reinforced with two courses brickwork in all and wall plate levels. 7. Workmanship to be of the highest standard throughout. 8. The contractor is to locate and identify any existing services and to protect these from damage whilst on site throughout the contract period. 9. The contractor is responsible for the correct setting out of all works, particularly boundaries, building lines and levels, etc. 10. All work to be executed in strict accordance to S.A.N.S. 10:400 and LOCAL AUTHORITY BY-LAWS. 11. All materials to be used in strict accordance to manufacturers specification. 12. Soil piling to be used under all new concrete work and new water tank stands. 13. Screed to be applied as directed, to Engineers detail. 14. Polyurethane to be installed as indicated in drawings, and to be confirmed on site. 15. Roof element size and specifications as per drawings and to be confirmed on site. 16. All walls to be underlaid with roof sheeting. Walls to be constructed as per existing and to match existing wherever applicable. 17. Removal of asbestos to be in strict accordance with the Department of Labour and OHS regulations and procedures. 18. Roof Paving to be in strict accordance to specification, for all new work and existing where applicable, to manufacturer's specification and to Engineers detail. 19. All roofs are to comply with "Part L" of the S.A.N.S. 10:400.

- DOWN-PIPES: 100 x 75mm seamless aluminum down pipe. Down-pipe to be adequately fixed to wall. Shoes to be provided to bottom of down pipe. 2. Only finished dimensions to be taken. 3. All dimensions in mm unless otherwise stated. 4. All work to be checked on site before any work commences. 5. All reinforced concrete work to be strictly in accordance with structural engineers details and specification. 6. All walls to be reinforced with two courses brickwork in all and wall plate levels. 7. Workmanship to be of the highest standard throughout. 8. The contractor is to locate and identify any existing services and to protect these from damage whilst on site throughout the contract period. 9. The contractor is responsible for the correct setting out of all works, particularly boundaries, building lines and levels, etc. 10. All work to be executed in strict accordance to S.A.N.S. 10:400 and LOCAL AUTHORITY BY-LAWS. 11. All materials to be used in strict accordance to manufacturers specification. 12. Soil piling to be used under all new concrete work and new water tank stands. 13. Screed to be applied as directed, to Engineers detail. 14. Polyurethane to be installed as indicated in drawings, and to be confirmed on site. 15. Roof element size and specifications as per drawings and to be confirmed on site. 16. All walls to be underlaid with roof sheeting. Walls to be constructed as per existing and to match existing wherever applicable. 17. Removal of asbestos to be in strict accordance with the Department of Labour and OHS regulations and procedures. 18. Roof Paving to be in strict accordance to specification, for all new work and existing where applicable, to manufacturer's specification and to Engineers detail. 19. All roofs are to comply with "Part L" of the S.A.N.S. 10:400.

- CEILING TRAP DOORS: Provide 1 x 800 x 500mm fibre cement trap door. Item indicated on drawings and position to be confirmed on site. WALLS: All walls to be constructed in accordance to S.A.N.S. 10:400. New walls to be constructed in accordance to S.A.N.S. 10:400. All walls to be underlaid with roof sheeting. Walls to be constructed as per existing and to match existing wherever applicable. 17. Removal of asbestos to be in strict accordance with the Department of Labour and OHS regulations and procedures. 18. Roof Paving to be in strict accordance to specification, for all new work and existing where applicable, to manufacturer's specification and to Engineers detail. 19. All roofs are to comply with "Part L" of the S.A.N.S. 10:400.

- GENERAL SPECIFICATION / CONSTRUCTION NOTES: All roofs are to comply with "Part L" of the S.A.N.S. 10:400. 0.53mm thick, Aluminum-Zinc (AZ150) profile 'colopanel' roof sheeting or other approved finish to both sides. (Colour on top to be confirmed and factory standard grey to underside), or similar approved. Sheets to be fixed to every purlin using appropriate self-drilling tapping screws. At the ridge and eave purlins, fixing to be every crown. Purlins spaced as per manufacturers specifications, on engineered timber trusses (or existing). Holes in sheets to be drilled not punched. Sheets are to be fixed to 76 x 50mm purlins spaced at max. 1100mm (to manufacturers specification or as per sheeting requirements) on engineered timber trusses (trusses and purlins to be replaced where specified and sizes may vary).

- WINDOWS: New windows to be installed as indicated, finished to Engineer's detail. Posts to be fixed to concrete and not screwed, using baring appropriate base plate and to be fixed to form strengthened safety glass. Putty to be painted to match existing work, colour to be confirmed on site. NEW WORK: Prime with PASTER PRIMER or MULTI-SURFACE PRIMER to form an unbroken barrier coat. FILL DEFECTS WITH A GOOD WALL CRACK FILLER AS APPROPRIATE. APPLICATION: Water-based paint is ready for use and is best applied by brush. Apply generous full coats so that brush marks flow out to a smooth even coat. Apply one or more coats to achieve complete collaboration. Paint colour to match existing and to be confirmed on site.

- FLOOR COVERING: Refer to drawings for location of new floor covering. Floor to be covered with 2000 x 3000 x 3000mm semi-flexible vinyl tile, manufactured in accordance with SANS 581, laid in acrylic adhesive, spread with a 'Vidar Z42P' trowel, laid to the new sub-floor. Tiles to be laid in accordance with the sub-floor trowel, laid in accordance to fall, made with waterproof membrane. The newly laid floor after 72 hours must be stripped using a good Stripper, mixed using a good floor and water. Refill and sand with 1 coat of good Sealer. The colour to be confirmed. Item as above or as per Engineer's detail.

- DOORS: New doors as indicated on schedule, to be confirmed on site. All external doors to be solid meranti hardwood (or similar), finished to Engineer's detail. 10mm internal solid meranti pre-primed and undercoated surfaces are clean, sand and oil. SKIRTING: 18mm x 75mm Meranti skirting, or similar approved with 18mm internal solid meranti pre-primed and undercoated surfaces are clean, sand and oil. FLOOR COVERING: Refer to drawings for location of new floor covering. Floor to be covered with 2000 x 3000 x 3000mm semi-flexible vinyl tile, manufactured in accordance with SANS 581, laid in acrylic adhesive, spread with a 'Vidar Z42P' trowel, laid to the new sub-floor. Tiles to be laid in accordance with the sub-floor trowel, laid in accordance to fall, made with waterproof membrane.

- INSITU CHANNELS: Concrete channels to be cast in situ and in panels, not exceeding 3.0m in length with control joints as specified by engineer or in full compacted M20 ASHTRIO 95% as specified & approved by engineer. Control joints sealed with 12mm polyurethane sealant with backing strip and impregnated softboard. All in Engineers detail. Ex. in-situ channels (x-drains and aprons) where action needs to be taken due to vegetation growth, then the following: 1. 2000 x 3000 x 3000mm semi-flexible vinyl tile, manufactured in accordance with SANS 581, laid in acrylic adhesive, spread with a 'Vidar Z42P' trowel, laid to the new sub-floor. Tiles to be laid in accordance with the sub-floor trowel, laid in accordance to fall, made with waterproof membrane.

- BACKFILL: Filling to be approved earth, well watered and rammed in layers not exceeding 150mm in depth and thoroughly compacted to the engineers detail. WATER TANK AND PLINTH: Water tank plinth constructed to Engineers detail, with 2500 litre polyethylene water tank with 20mm ball valve with 90° elbow and 100 x 75mm seamless aluminum gutter with 100 x 75mm seamless aluminum down pipe to be installed. Gutter and downpipe to be adequately supported and fixed to building. Reflective foil insulation underlaid over truss and under purlins on training tape not to extend into eaves. Reinforced aluminum foil tape to be added to roof insulation overlaps.

- BRICK WORK: Corobrik (Lawley-Gastang) 20:20 MPA Mortar Transverse FB8 fibre lacquered, bedded and pointed in Class II mortar and compound with flush vertical and flush horizontal joints and penetrations, suitable for exposure zones 1 & 2. Brickswork of NFX bricks (14 MPa nominal compressive strength) in class II mortar. A202 re-enforced aluminum foil tape to be added on the underside and on top of insulation where sheets overlap on both sides.

- AIR BRICKS: 220 x 100mm Terra cotta vented brick, or similar approved built into brick beam fill. Install as specified on drawings, or similar approved. BARGE BOARD: Five courses 225mm x 125mm fascia boards, joined together with 225mm x 15mm Plastic H-Profile Fascia Joiners. Fix 76 x 50mm timber battens below to undertake of purlins ends for barge board fixing. Drill and fix fascia board to timber batten with high-dipped galvanneal screws and washers, 202 x 100 x 100mm stainless steel bolts. Item as above or similar approved. Where specified and to be confirmed on site, item as above or similar approved.

- FASCIA BOARD: Medium density plastic flow cement 225 x 125mm ungrooved fascia board, or similar approved with H-profile plastic fascia joiners. Drill and fix with high-dipped galvanneal screws and washers. Item as above or similar approved. Where specified and to be confirmed on site, item as above or similar approved. PREPARE AND PAINT BARGE & FASCIA BOARDS WITH UNIVERSAL ENAMEL AS DESCRIBED BELOW: SURFACE PREPARATION: Ensure that substrate is as well as primed and undercoated surfaces are clean, sand and dry. NEW WORK: Prime with PASTER PRIMER or MULTI-SURFACE PRIMER. Apply liberally in order to obtain an unbroken barrier coat to seal surface properly. FILL DEFECTS WITH A GOOD WALL CRACK FILLER AS APPROPRIATE. APPLICATION: Apply one or more coats to achieve complete collaboration. Colour to Architects choice.

- GUZZERS: 150 x 150mm seamless aluminum gutters with end caps and drop box. Gutters to be adequately supported and fixed to building. 2. Only finished dimensions to be taken. 3. All dimensions in mm unless otherwise stated. 4. All work to be checked on site before any work commences. 5. All reinforced concrete work to be strictly in accordance with structural engineers details and specification. 6. All walls to be reinforced with two courses brickwork in all and wall plate levels. 7. Workmanship to be of the highest standard throughout. 8. The contractor is to locate and identify any existing services and to protect these from damage whilst on site throughout the contract period. 9. The contractor is responsible for the correct setting out of all works, particularly boundaries, building lines and levels, etc. 10. All work to be executed in strict accordance to S.A.N.S. 10:400 and LOCAL AUTHORITY BY-LAWS. 11. All materials to be used in strict accordance to manufacturers specification. 12. Soil piling to be used under all new concrete work and new water tank stands. 13. Screed to be applied as directed, to Engineers detail. 14. Polyurethane to be installed as indicated in drawings, and to be confirmed on site. 15. Roof element size and specifications as per drawings and to be confirmed on site. 16. All walls to be underlaid with roof sheeting. Walls to be constructed as per existing and to match existing wherever applicable. 17. Removal of asbestos to be in strict accordance with the Department of Labour and OHS regulations and procedures. 18. Roof Paving to be in strict accordance to specification, for all new work and existing where applicable, to manufacturer's specification and to Engineers detail. 19. All roofs are to comply with "Part L" of the S.A.N.S. 10:400.

- CHALK BOARD: 1140mm (high) x 2400mm (long) wall mounted board, complete with aluminum chalk rail and 1000mm x 1000mm (high) x 2400mm (long) whiteboard. Item as above or similar approved. Where specified and to be confirmed on site, item as above or similar approved.

- DADD RAILED: New 18mm x 120mm timber shutter board Dado rail fixed into walls (every 400mm c/c) with a 6 x 40mm fixing screw in nylon stop suitable for walls and timber purposes. All fixing holes to be covered with a wood filler and sanded down smoothly before painting with approved colour on site. All Dado rail heights to be in mm, height of 800mm high, subjected to match all table and chair heights on site.

- GUZZERS: 150 x 150mm seamless aluminum gutters with end caps and drop box. Gutters to be adequately supported and fixed to building. 2. Only finished dimensions to be taken. 3. All dimensions in mm unless otherwise stated. 4. All work to be checked on site before any work commences. 5. All reinforced concrete work to be strictly in accordance with structural engineers details and specification. 6. All walls to be reinforced with two courses brickwork in all and wall plate levels. 7. Workmanship to be of the highest standard throughout. 8. The contractor is to locate and identify any existing services and to protect these from damage whilst on site throughout the contract period. 9. The contractor is responsible for the correct setting out of all works, particularly boundaries, building lines and levels, etc. 10. All work to be executed in strict accordance to S.A.N.S. 10:400 and LOCAL AUTHORITY BY-LAWS. 11. All materials to be used in strict accordance to manufacturers specification. 12. Soil piling to be used under all new concrete work and new water tank stands. 13. Screed to be applied as directed, to Engineers detail. 14. Polyurethane to be installed as indicated in drawings, and to be confirmed on site. 15. Roof element size and specifications as per drawings and to be confirmed on site. 16. All walls to be underlaid with roof sheeting. Walls to be constructed as per existing and to match existing wherever applicable. 17. Removal of asbestos to be in strict accordance with the Department of Labour and OHS regulations and procedures. 18. Roof Paving to be in strict accordance to specification, for all new work and existing where applicable, to manufacturer's specification and to Engineers detail. 19. All roofs are to comply with "Part L" of the S.A.N.S. 10:400.

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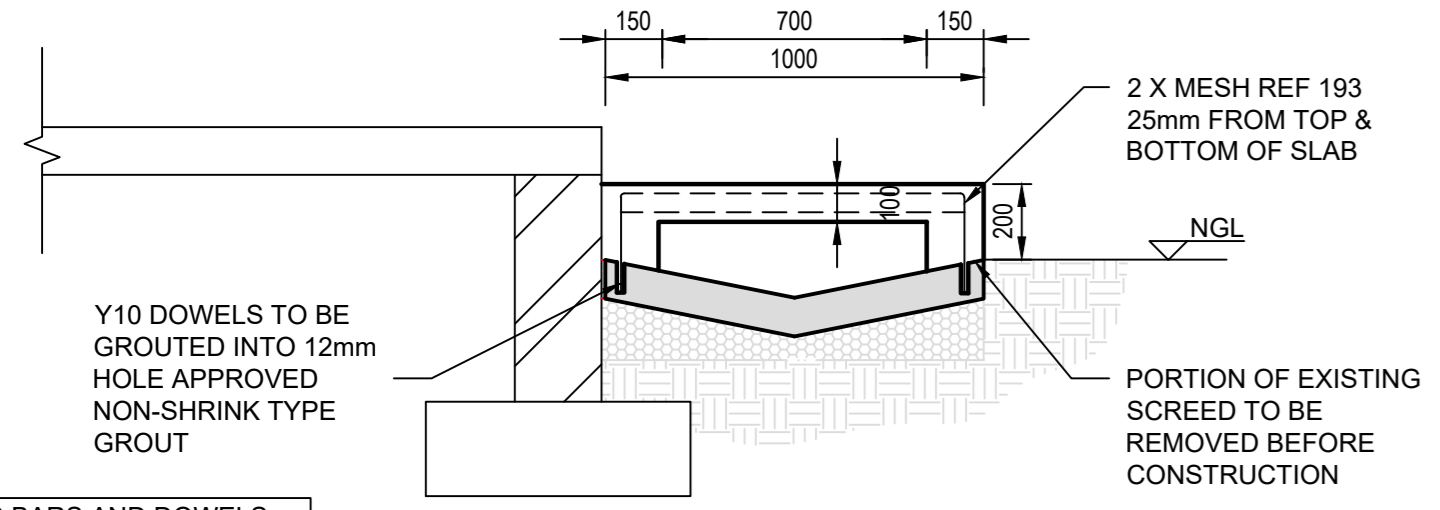
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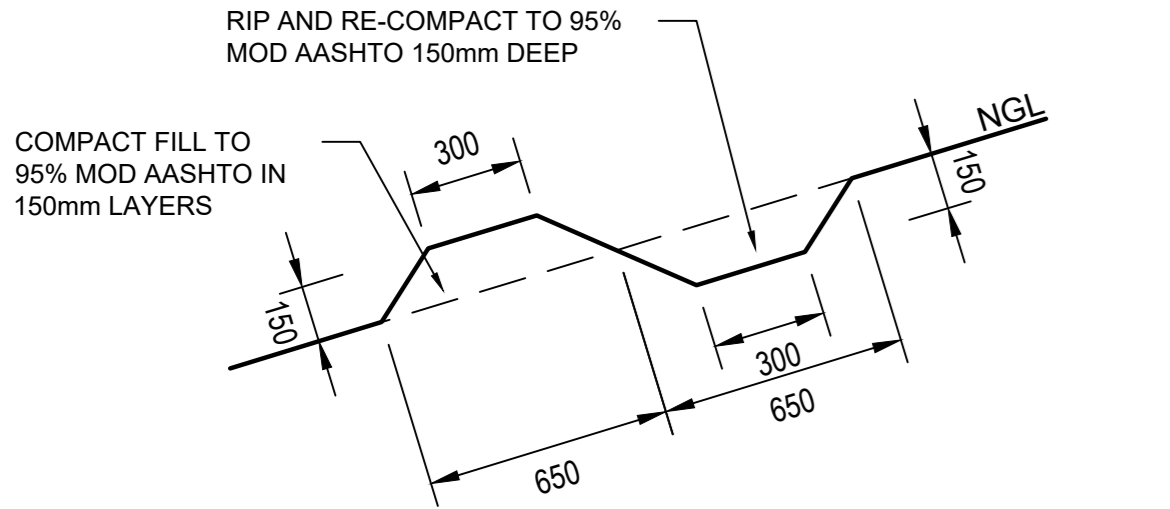
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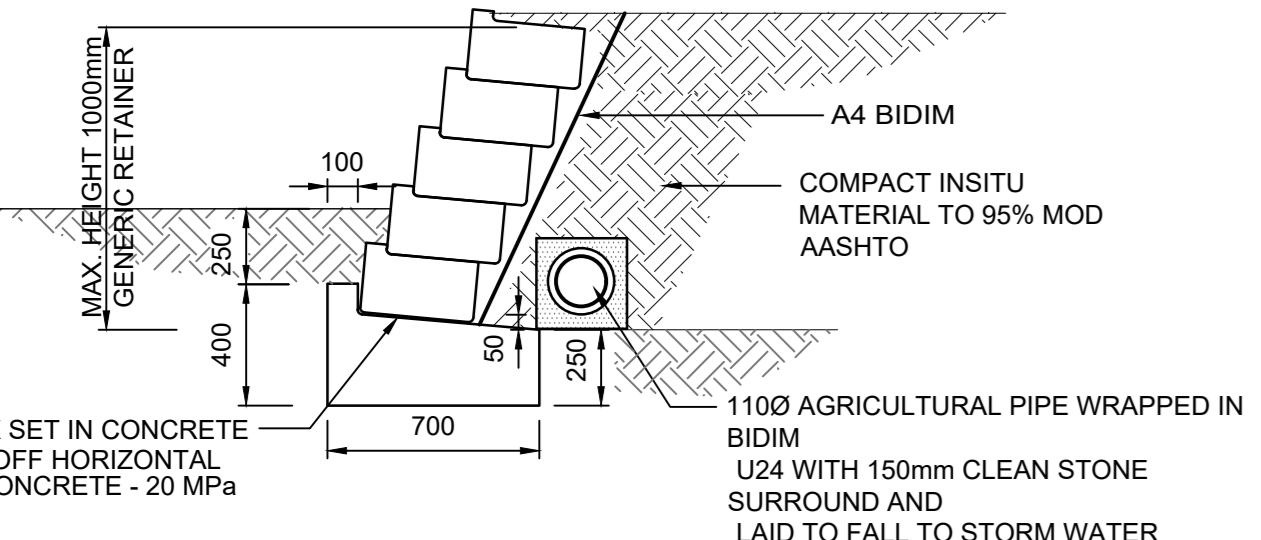
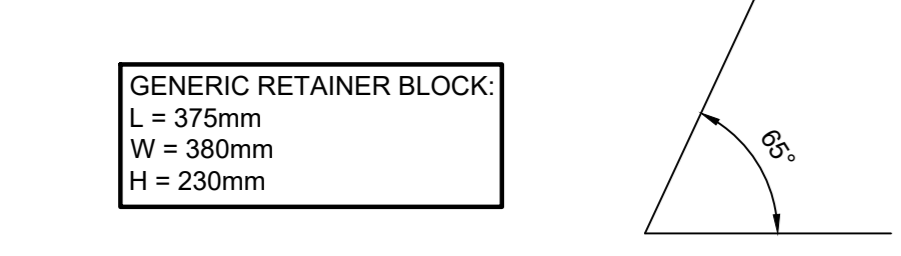
Project Title: PHASE 14: REPAIRS AND RENOVATIONS TO STORM DAMAGED SCHOOLS - KZN MIDLANDS REGION - CLUSTER 103 - FLORENCE BOOTH PRIMARY. Construction drawing for Florence Booth Primary School - Block G & H: Plan, Section and Elevations. Drawn: T.S./M.K. Date: 2022/10/12. Scales: 1:100. Consultant Drawing No: 063880. Revision: 1. DOPW Drawing No: 063880. Revision: 1. DOPW WMS No: WMS - 063880. Stamped by Design Review Committee.



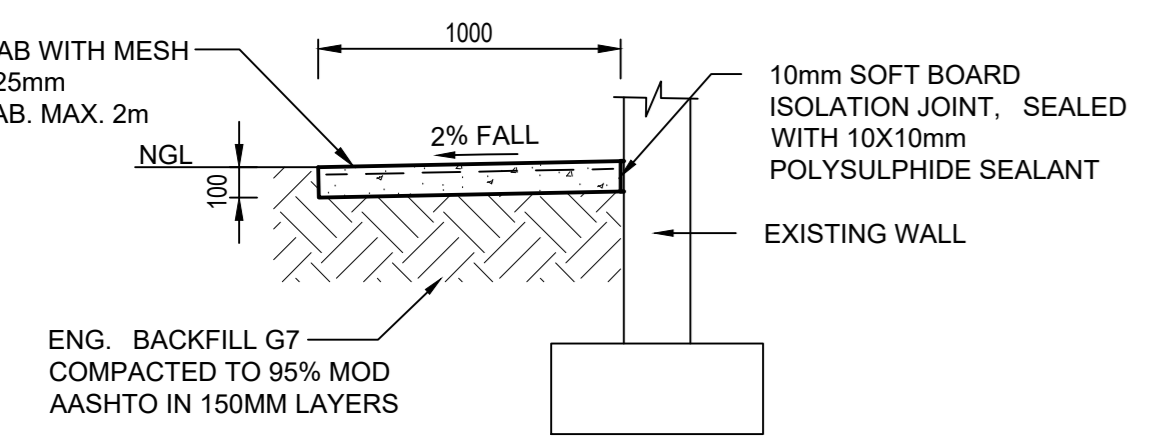
**DETAIL OF STEP OVER V DRAIN**  
SCALE 1:20



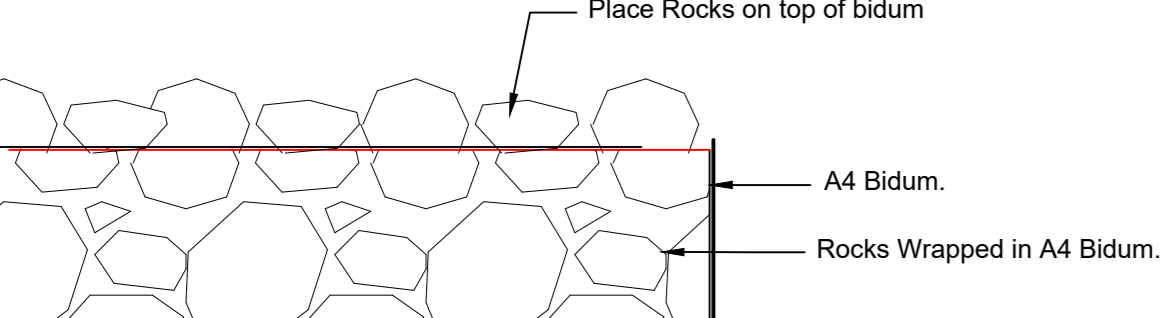
**TYPICAL DETAIL OF CUT OFF EARTH BERM**  
SCALE 1:20



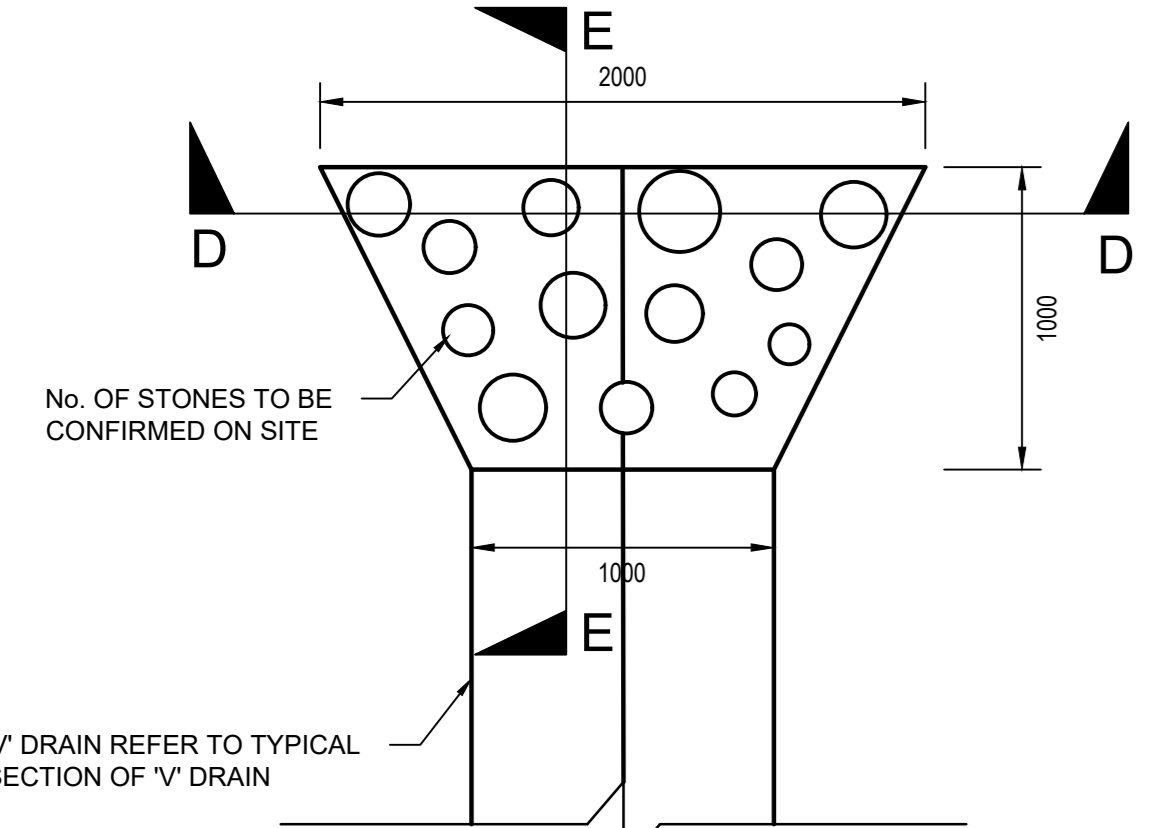
**Wall height 1m**  
SCALE 1:25



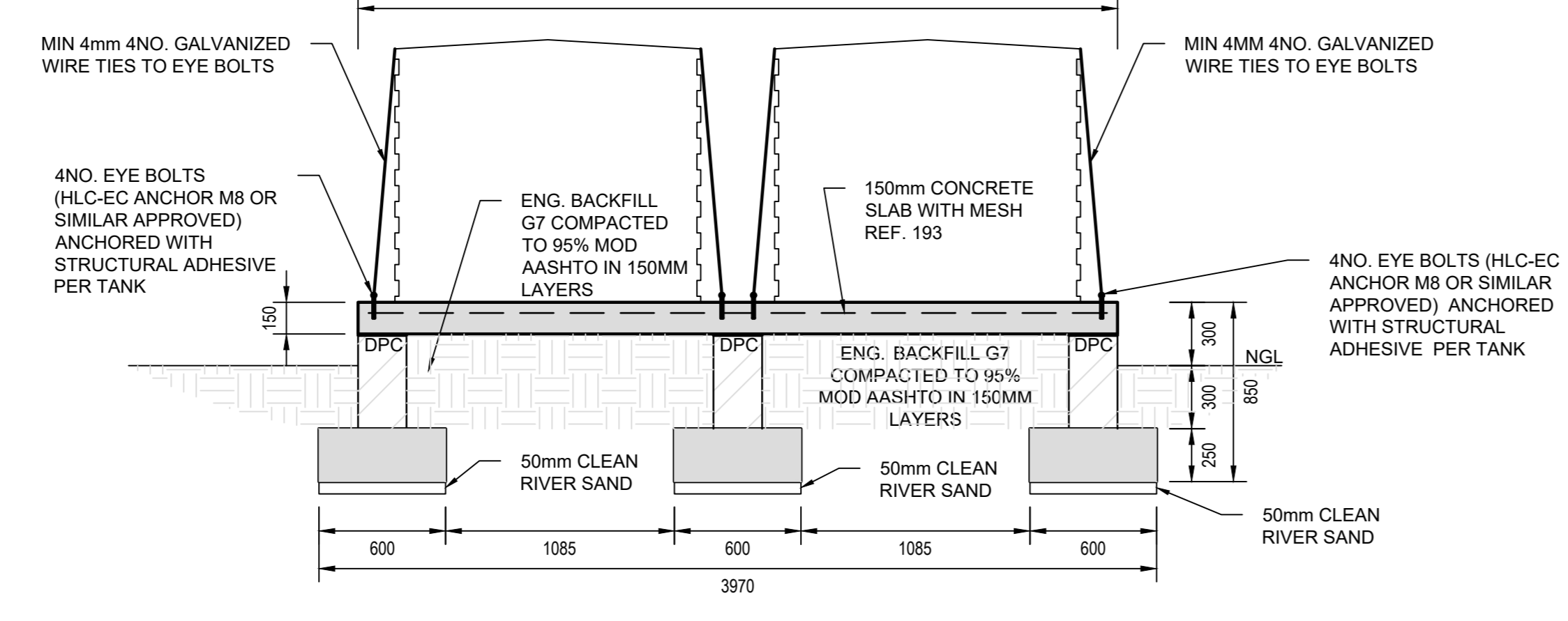
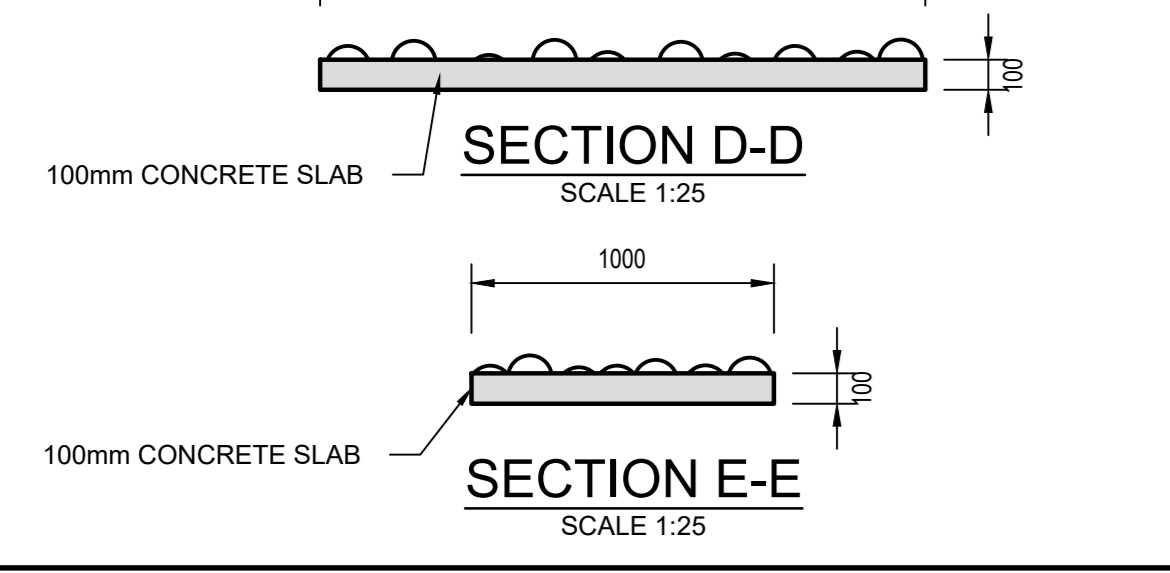
**APRON SLAB DETAIL**  
SCALE 1:25



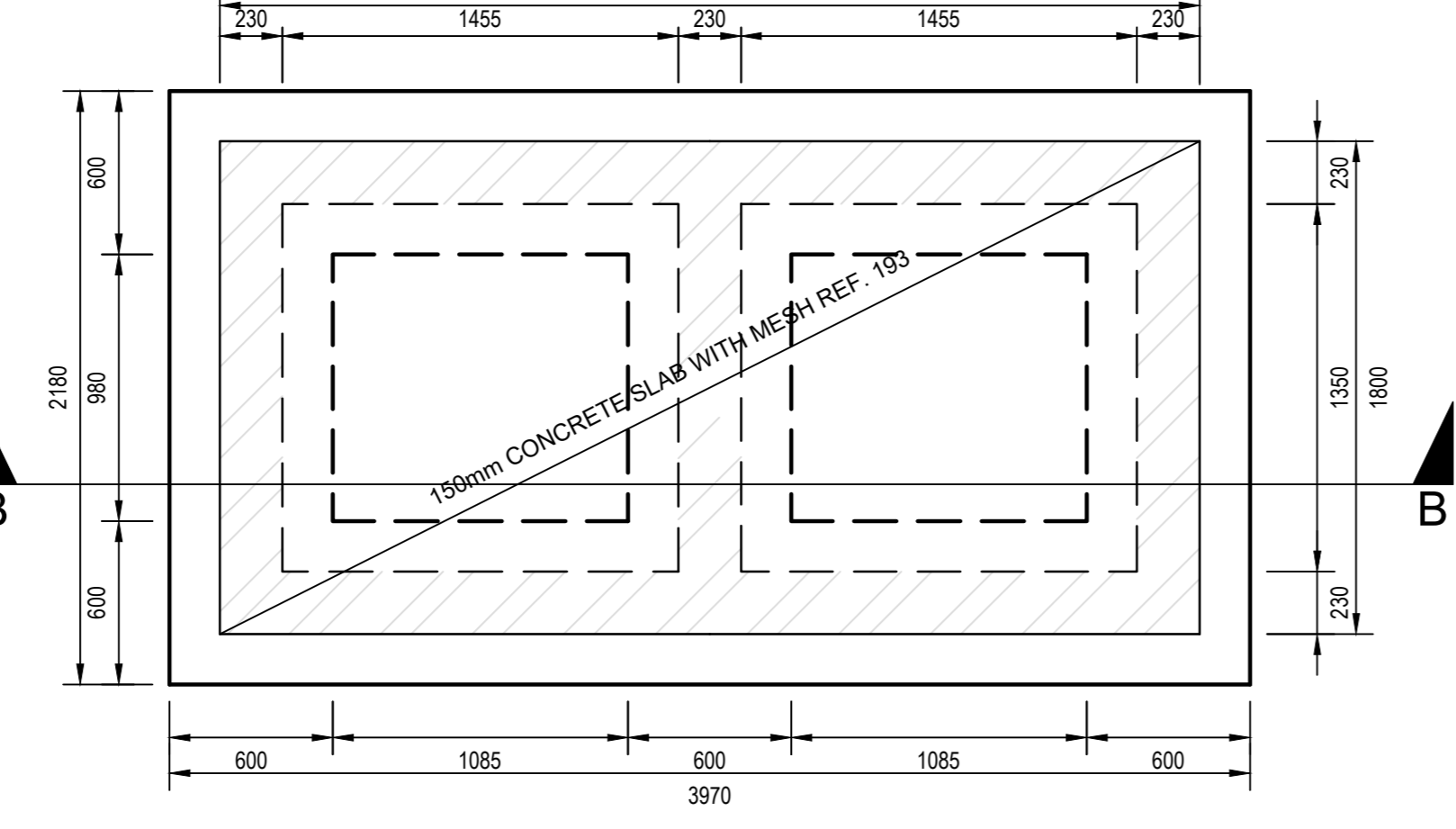
**TYPICAL ELEVATION OF SOAK PIT DETAIL**  
SCALE 1:20



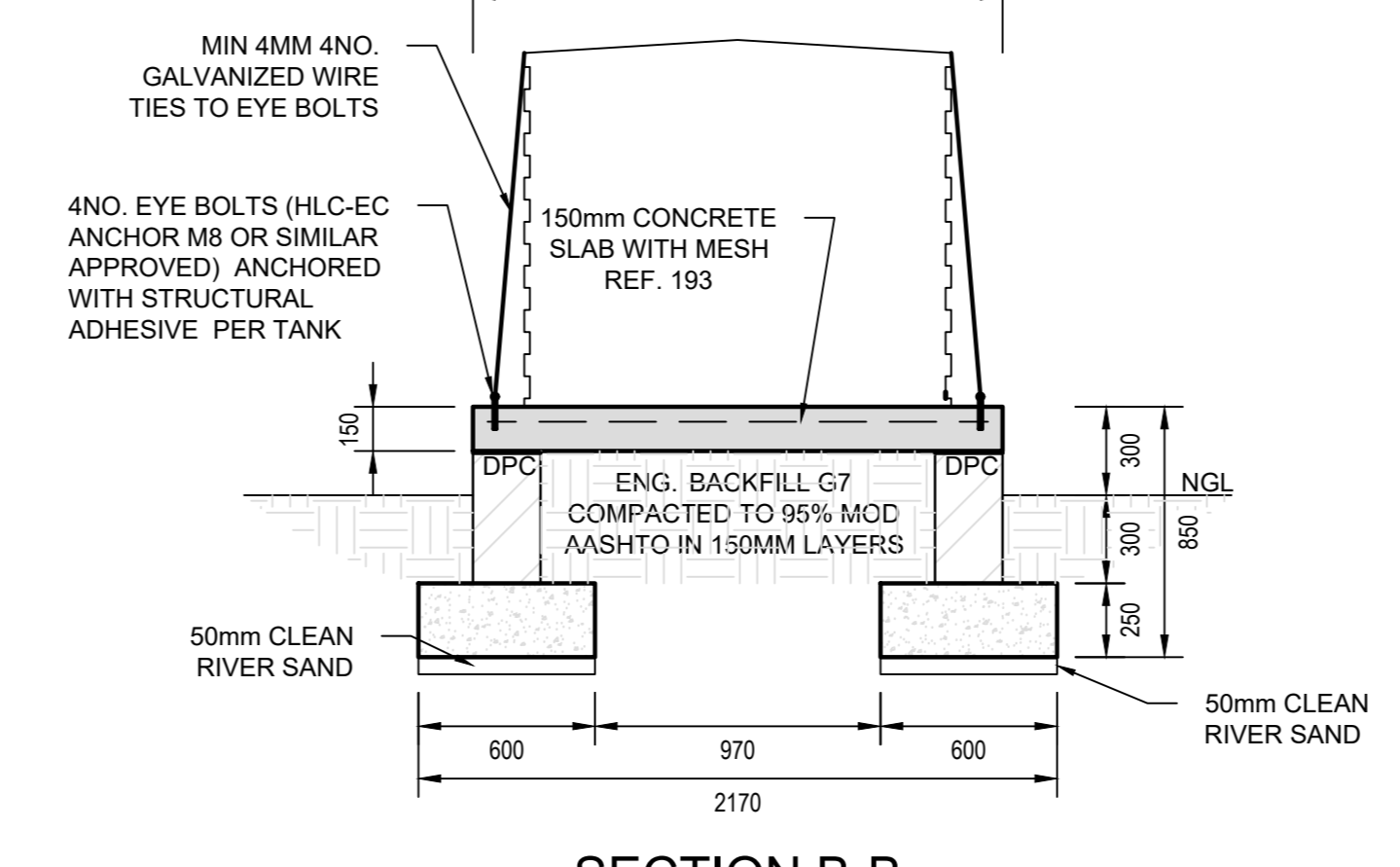
**ENERGY DISSIPATOR DETAIL**  
SCALE 1:25



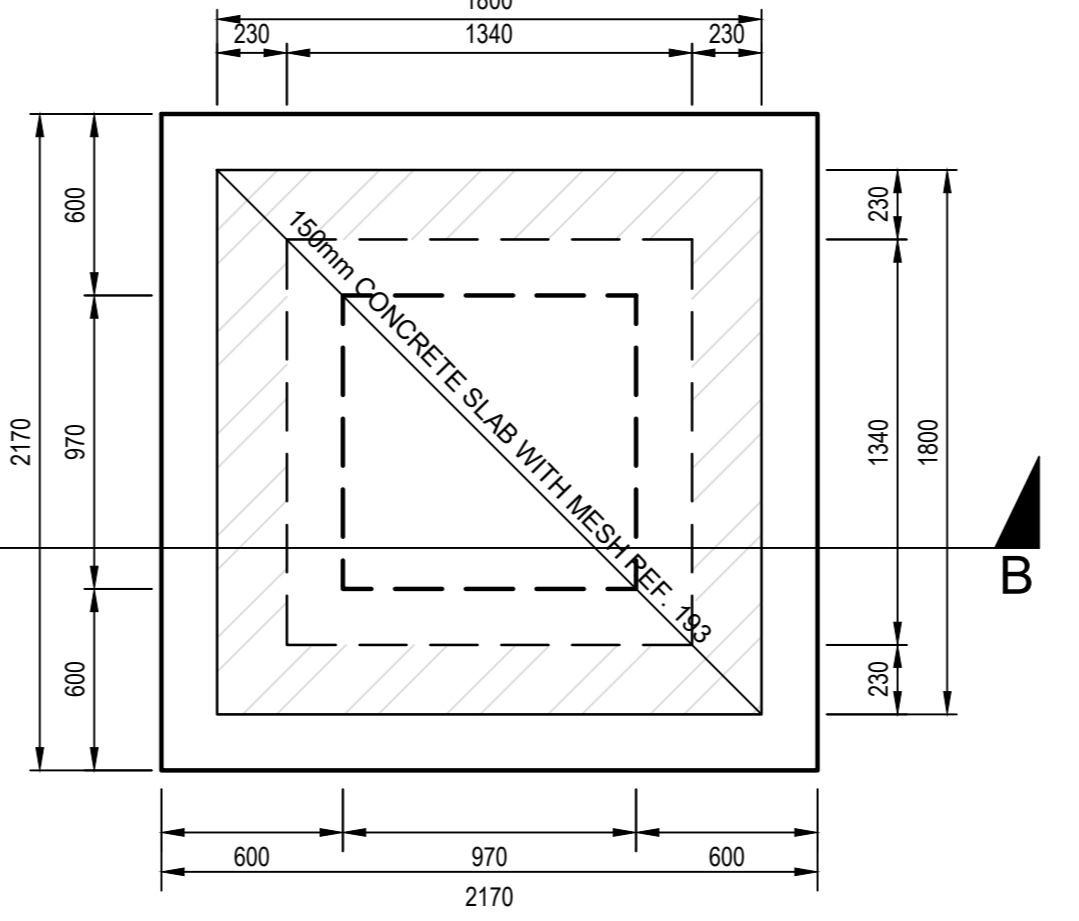
**SECTION B-B**  
SCALE 1:25



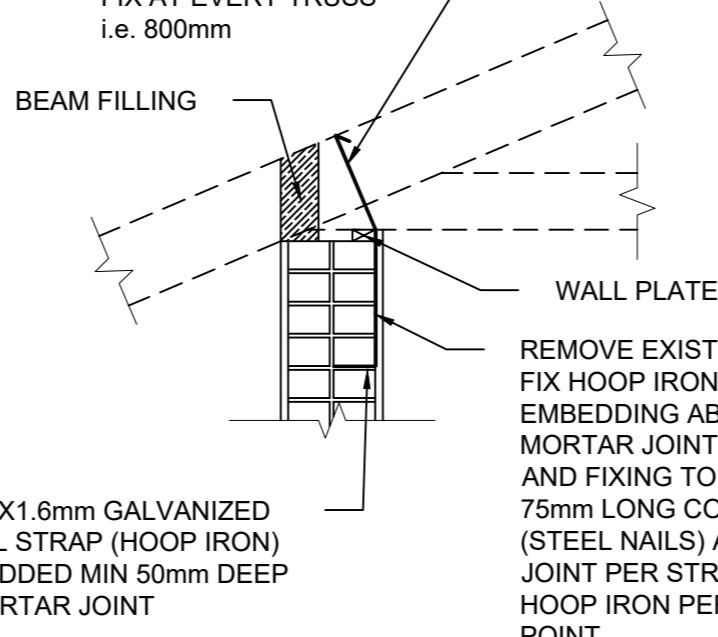
**WATER TANK SLAB DETAIL (DOUBLE)**  
SCALE 1:25



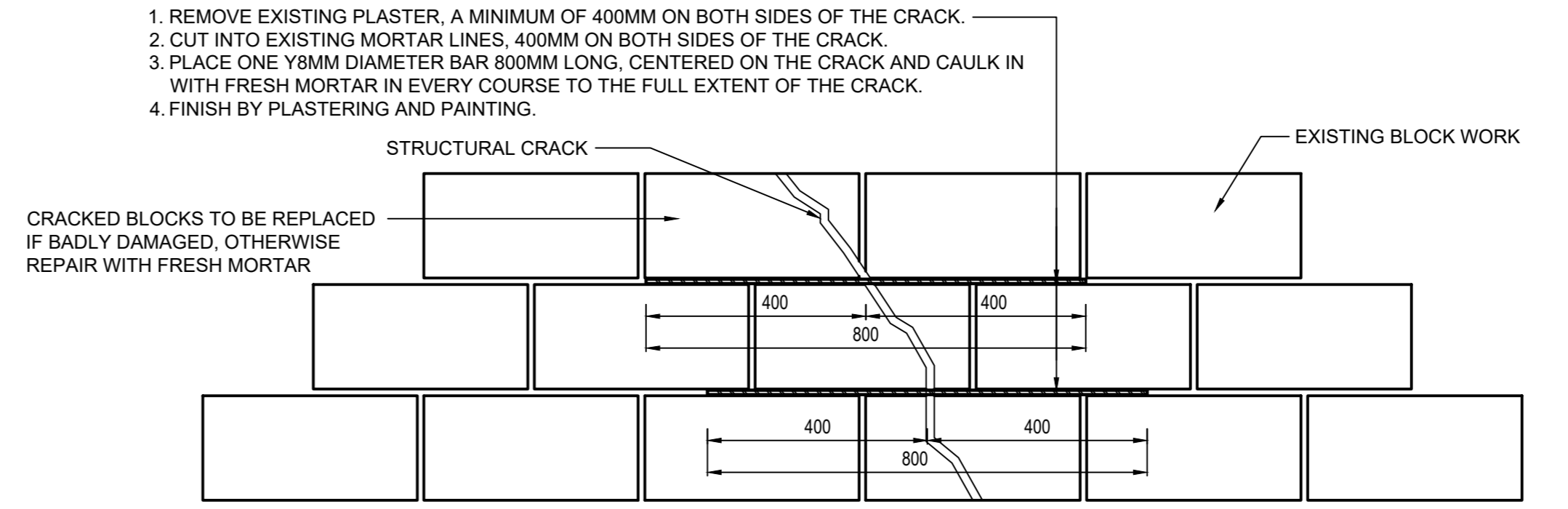
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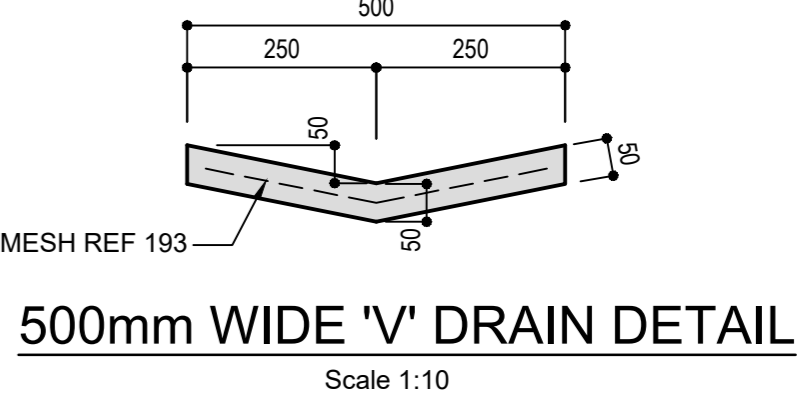
**WATER TANK SLAB DETAIL (SINGLE)**  
SCALE 1:25



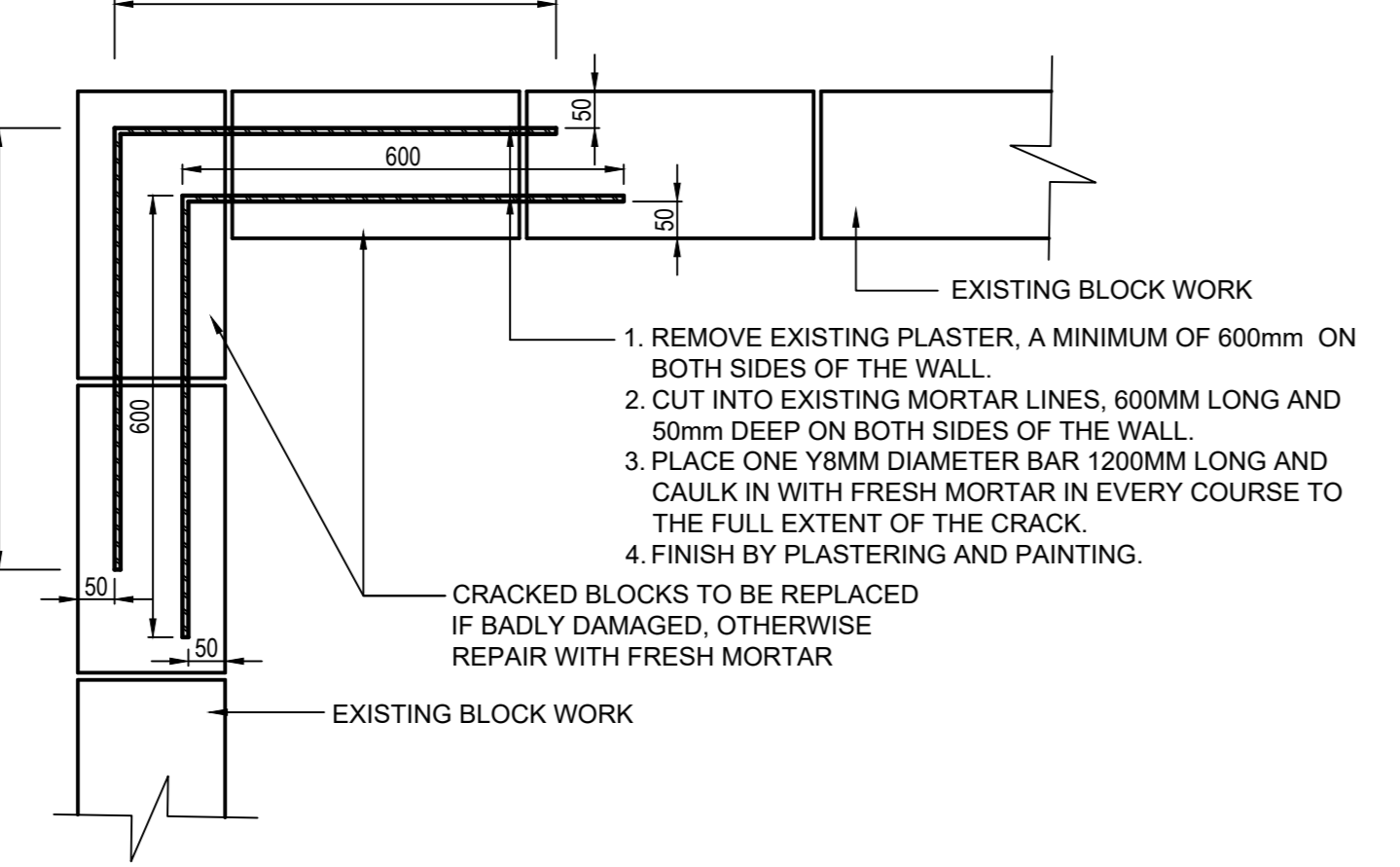
**TYPICAL DETAIL OF ROOF CONNECTION TO EXISTING BUILDING - STRAP TYPE**  
SCALE 1:20



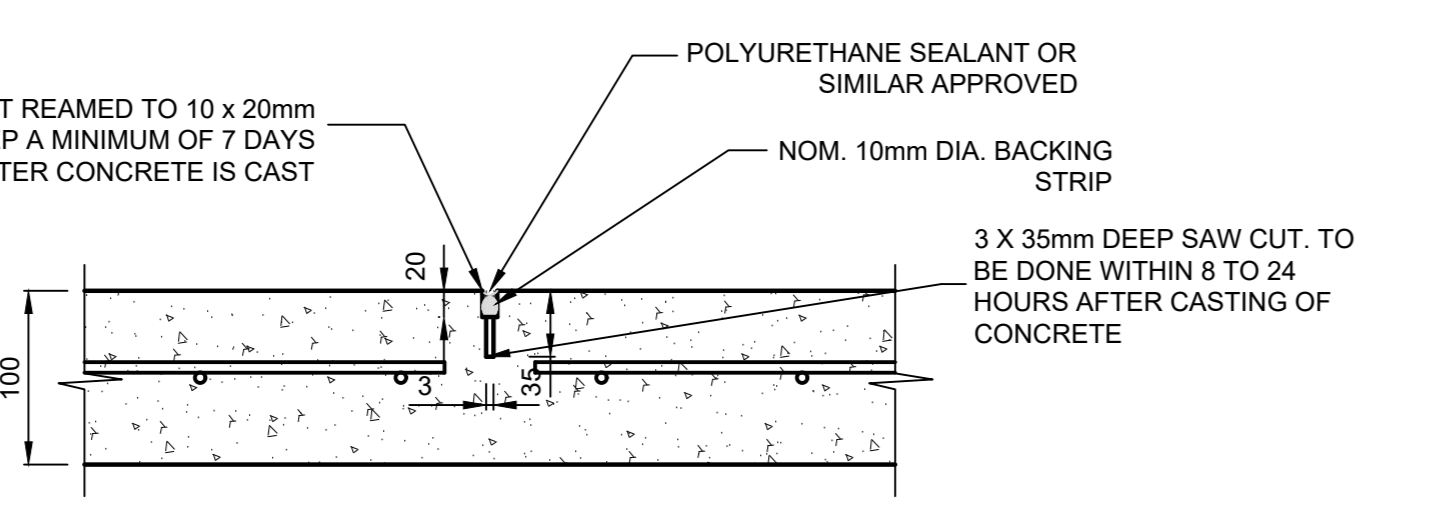
**WALL CRACK STITCHING DETAIL**  
SCALE 1:10



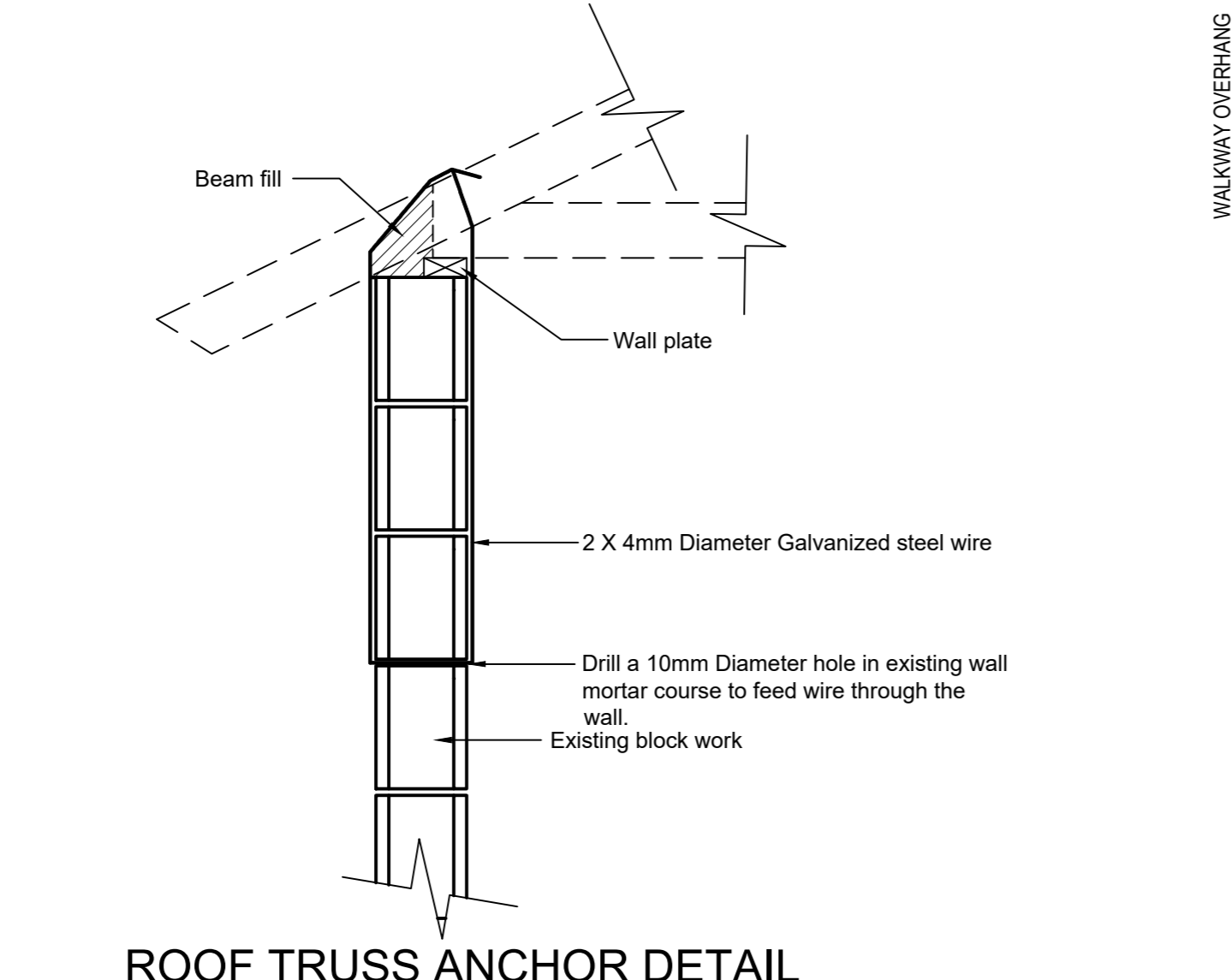
**500mm WIDE 'V' DRAIN DETAIL**  
SCALE 1:10



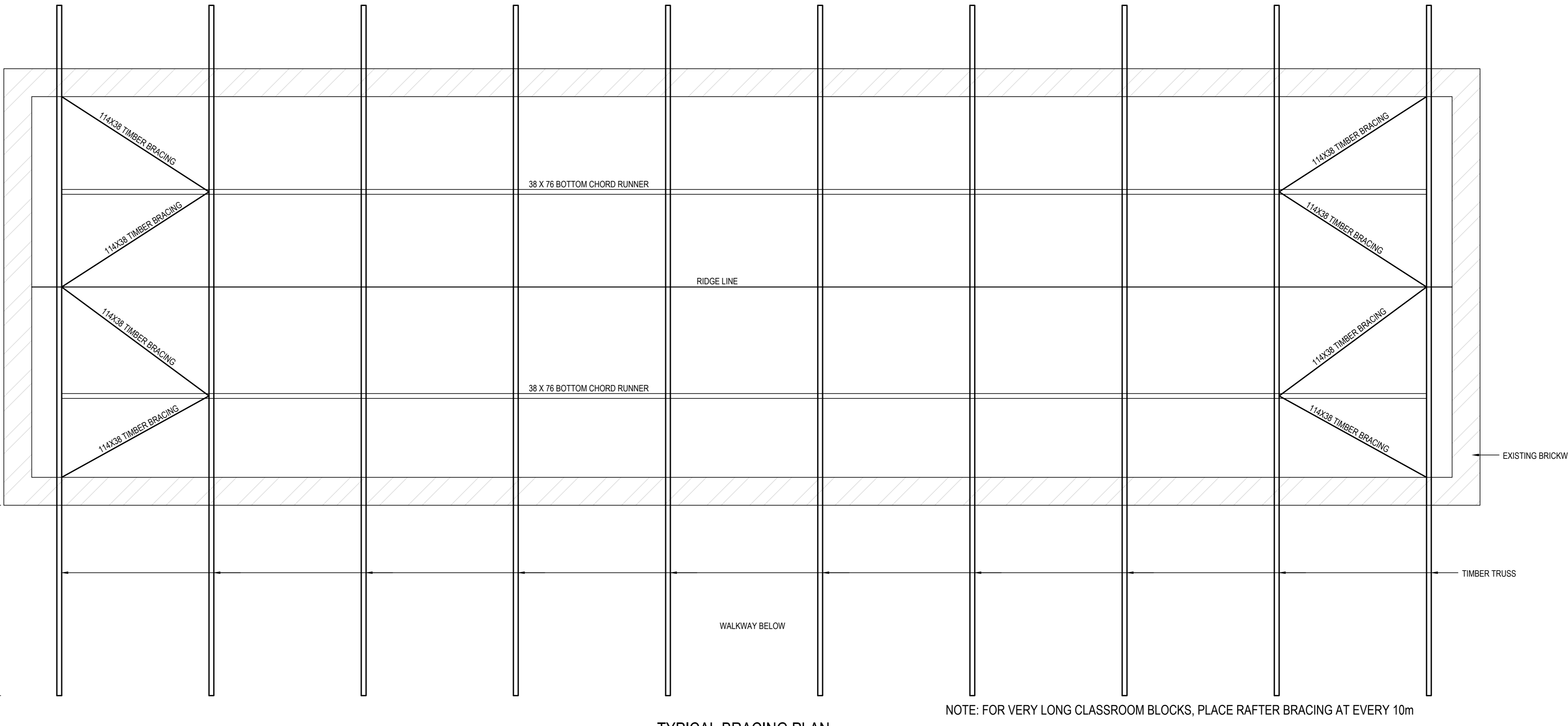
**WALL CORNER CRACK STITCHING DETAIL**  
SCALE 1:10



**TYPICAL SAW-CUT JOINT (S.J.)**  
SCALE 1:10

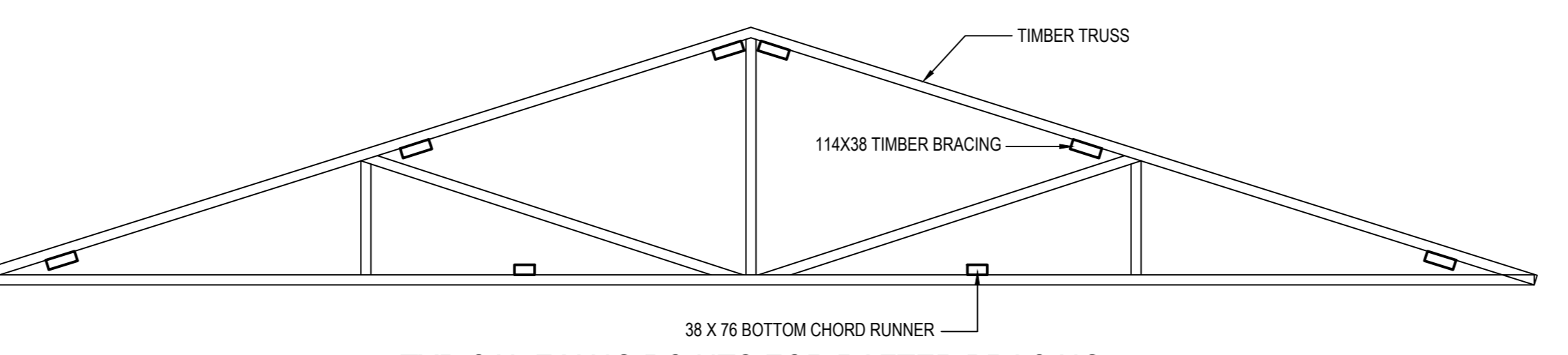


**ROOF TRUSS ANCHOR DETAIL WIRE DETAIL**  
SCALE 1:10

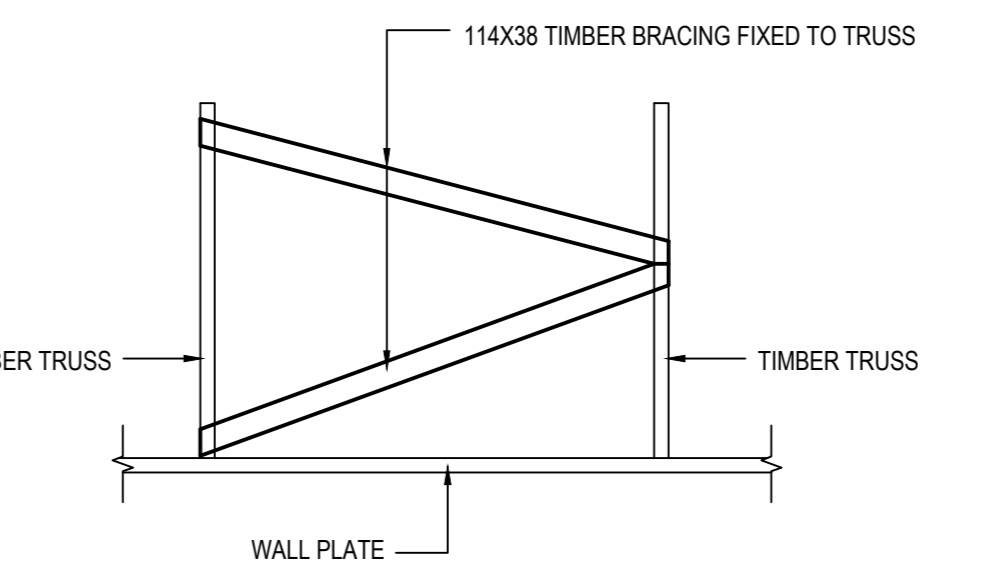


**TYPICAL BRACING PLAN**  
SCALE 1:20

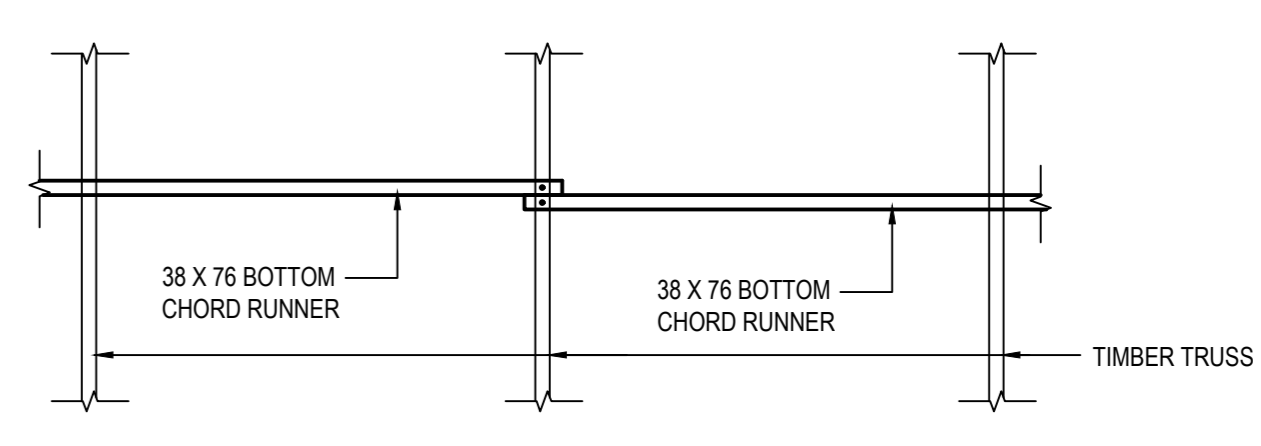
NOTE: FOR VERY LONG CLASSROOM BLOCKS, PLACE RAFTER BRACING AT EVERY 10m



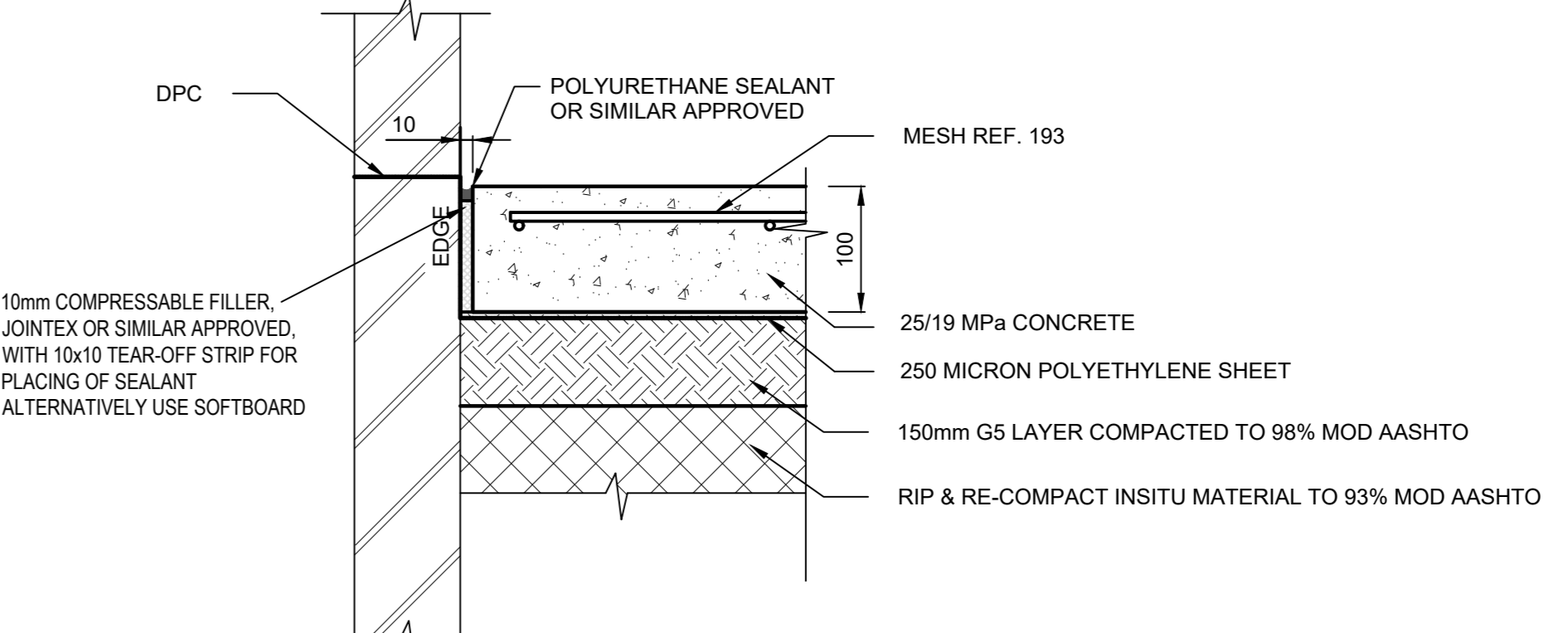
**TYPICAL FIXING POINTS FOR RAFTER BRACING AND LONGITUDINAL TIES DETAIL**  
SCALE 1:20



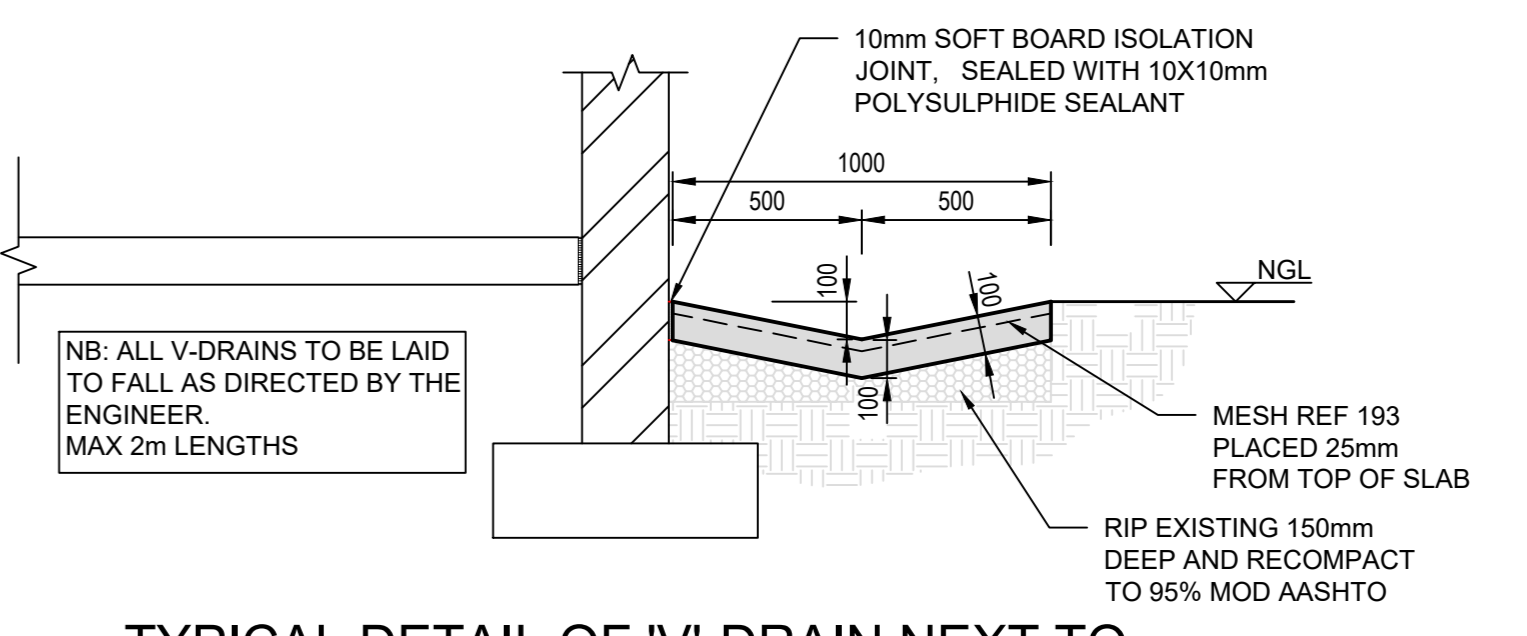
**RAFTER BRACING DETAIL**  
SCALE 1:20



**LONGITUDINAL TIE DETAIL**  
SCALE 1:20



**SURFACE BED SLAB AND ISOLATION JOINT (I.J) DETAILS**  
SCALE 1:10



**TYPICAL DETAIL OF 'V'-DRAIN NEXT TO EXISTING BUILDING**  
SCALE 1:20

REV	DATE	DESCRIPTION

**GENERAL**

- ALL WORK SHALL BE EXECUTED IN STRICT ACCORDANCE WITH SANS 200-CCV AND THE PROJECT SPECIFICATIONS IN THE CONTRACT DOCUMENTATION.
- THE CONTRACTOR SHALL ENSURE THAT WATERPROOFING MATERIALS ARE NOT DAMAGED DURING BACKFILLING OPERATIONS AND FINISH OF STEEL.
- REPLACING OF MATERIAL DUE TO DAMAGE FOR CONTRACTOR'S COST.

**FOUNDATIONS AND EARTHWORKS**

- ALL EARTHWORKS SHALL BE IN ACCORDANCE WITH SANS 1220 INCLUDING THE LATEST REVISIONS.
- ALL EXCAVATIONS MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE PLACING OF ANY CONCRETE FOUNDATION, BLINDING, WATERPROOFING OR GEOTEXTILE MEMBRANE.
- NO FOUNDATION SHALL BE CAST ON NON-ENGINEERED FILL OR BACKFILL MATERIAL PORTIONS THAT ARE OVER-EXCAVATED BEYOND THE DEPTH REQUIRED BY THE GEOTECHNICAL / RESIDENT ENGINEER. TO BE FILLED WITH MASS CONCRETE (GOMPA 15mm) AT THE CONTRACTOR'S EXPENSE.
- LOAD BEARING BRICKWORK SHALL BE REINFORCED WITH AN APPROVED BRICKWORK EVERY FOURTH LAYER UNLESS OTHERWISE SPECIFIED ON DRAWINGS.
- IN ADDITION, BRICKWORK IS REQUIRED IN EVERY FOURTH LAYER FOR THE FIRST FOUR LAYERS ON TOP OF THE FOUNDATIONS / SLABS AS WELL AS OVER DOOR AND WINDOW OPENINGS (MIN. LAPS = 300mm).
- ALL BRICK ANCHORS, WALL TIES AND STRAPS SHALL BE HOT DIP GALVANIZED.
- V-JOINTS ARE TO BE MADE THROUGH PLASTERWORK WHERE BRICKWORK / BLOCKWORK AND CONCRETE JOIN.

**BRICKWORK & BLOCKWORK:**

- ALL BRICKWORK, BLOCKWORK, ANCHORS, WALL TIES AND STRAPS SHALL BE IN ACCORDANCE WITH SANS 0400 - 1990 AND SANS 0164 - 1980 INCLUDING THE LATEST REVISIONS.
- THE MINIMUM CRUSHING STRENGTH OF ALL LOAD BEARING BRICKWORK SHALL BE 14 MPa.
- THE MINIMUM CRUSHING STRENGTH OF MORTAR SHALL BE AS FOR CLASS 1 MORTAR IN ACCORDANCE WITH TABLE 1 SANS 0164 PART 1 - 1980.
- LOAD BEARING BRICKWORK SHALL BE REINFORCED WITH AN APPROVED BRICKWORK EVERY FOURTH LAYER UNLESS OTHERWISE SPECIFIED ON DRAWINGS.
- IN ADDITION, BRICKWORK IS REQUIRED IN EVERY FOURTH LAYER FOR THE FIRST FOUR LAYERS ON TOP OF THE FOUNDATIONS / SLABS AS WELL AS OVER DOOR AND WINDOW OPENINGS (MIN. LAPS = 300mm).
- ALL BRICK ANCHORS, WALL TIES AND STRAPS SHALL BE HOT DIP GALVANIZED.
- V-JOINTS ARE TO BE MADE THROUGH PLASTERWORK WHERE BRICKWORK / BLOCKWORK AND CONCRETE JOIN.

**CONCRETE:**

- CONCRETE GRADES:
  - REINFORCED CONCRETE = 30 MPa/19mm
  - MASS CONCRETE = 20 MPa/19mm
  - BLINDING = 10 MPa/19mm
  - SURFACE BEDS = 30 MPa/19mm
- EDGES
- COVER TO REINFORCEMENT:
  - ROOF & FLOOR SLABS = 25mm
  - FOUNDATION BASES = 50mm
- ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF SANS 200-CC1.
- CONCRETE TOLERANCE IN GENERAL SHALL BE OF DEGREE OF ACCURACY NO. II AS SPECIFIED IN SANS 200-CC1.
- ALL CASTING PROCEDURES, CONSTRUCTION METHODS AND POSITIONS OF CONSTRUCTION JOINTS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF THE PROJECT.
- THE CONTRACTOR MUST OBTAIN PERMISSION FROM THE ENGINEER BEFORE ANY OPENINGS OR SERVICES LARGER THAN 150 mm DIA OR 150 x 150 mm WHICH ARE NOT INDICATED ON THE DRAWINGS ARE INTRODUCED THROUGH ANY STRUCTURAL ELEMENT.
- COURSING OF CONCRETE SHALL BE CARRIED OUT STRICTLY IN ACCORDANCE WITH SANS 200-CC1.
- THE STRENGTH OF CONCRETE COVER BLOCKS SHALL AT LEAST BE EQUAL TO THE CONCRETE STRENGTH OF THE STRUCTURAL ELEMENT IN WHICH THEY ARE USED. THE SIZE AND FIXING METHOD OF COVER BLOCKS SHALL BE DISCUSSED IN ADVANCE WITH THE ENGINEER.
- STRIPPING TIMES OF SHUTTERING AND PROPPING SHALL BE IN ACCORDANCE WITH SANS 200-CC1.
- CONCRETE MIX DESIGNS FOR ALL GRADES OF CONCRETE INCLUDING SCREED MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACING OF ANY CONCRETE.
- COLD CASTING JOINTS, MAIN AGGREGATE MUST BE EXPOSED, CLEARED AND THOROUGHLY WETTED BEFORE CASTING OF NEW CONCRETE. NO CEMENT GROUT SHALL BE USED. LOCATION OF JOINTS TO BE APPROVED BY THE ENGINEER IF DEVIATED FROM THE DRAWINGS.

**SURFACE BEDS:**

- PROVIDE 10mm ISOLATION JOINTS (I.J) AROUND ALL CONCRETE COLUMNS AND AGAINST BRICK WALLS. AFTER CONCRETE IS SET, JOINTS TO BE RAKED OUT 10mm DEEP AND SEALED WITH APPROVED JOINT SEALANT - REFER TO STANDARD DETAILS.
- SAW-CUT JOINTS TO BE DONE AS SOON AS CONCRETE IS FIRM ENOUGH TO NOT DAMAGE THE EDGES. USUALLY BETWEEN 6 TO 16 HOURS.
- ALL BACKFILL TO BE COMPACTED IN LAYERS NOT EXCEEDING 150mm. COMPACTION EFFORT AS INDICATED.
- FLOOR SLABS ARE WOOD FLOAT FINISHED AND SCREED TOPPING TO HAVE A STEEL TROWEL FINISH.

**REINFORCEMENT:**

- ALL REINFORCEMENT SHALL COMPLY WITH THE REQUIREMENTS OF SANS 200-2011.
- THE CONTRACTOR SHALL INSPECT AND APPROVE THE FIXED REINFORCEMENT BEFORE THE ENGINEER IS NOTIFIED. ALL REINFORCEMENT SHALL BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE CASTING OF CONCRETE MAY COMMENCE.
- THE CONTRACTOR SHALL GIVE AT LEAST 24 HOURS (2 WORKING DAYS) NOTICE TO THE ENGINEER FOR REBAR INSPECTIONS THAT ARE REQUIRED.
- BEND-OUT BARS AT CONSTRUCTION JOINTS SHALL BE BENT OUT WITH A SUITABLE PIPE SO THAT NO KINK IS FORMED IN THE BARS.
- NO HEAT TREATMENT, FLAME CUTTING OR WELDING OF REBAR WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER SHALL BE ALLOWED.

KZN Department of Education Stamp and Signature

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Consultant: Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**public works**  
Department: Public Works  
PROVINCE OF KWAZULU-NATAL

Project Title: PHASE 14: REPAIRS AND RENOVATIONS TO STORM DAMAGED SCHOOLS - KZN MIDLANDS REGION - CLUSTER 103 - FLORENCE BOOTH PRIMARY

Drawing Description: TYPICAL ENGINEERING DETAILS

Drawn: K. Chetty Date: 2020/01/13

Scale: As Shown

Consultant Drawing No: V16-0538-034 Revision: 0

DDPW CONTRACT No: ZNTL04771W

Copy wire No: WIMS - 063880

Stamped by Design Review Committee











## **SCHEDULE NO. 01**

- 1 **NAME** : DISTRIBUTION BOARD
- 2 **LOCATION** : GROUND FLOOR AS INDICATED ON DRAWINGS
- 3 **FED FROM** : MAIN DB
- 4 **FEEDER** : 10mm<sup>2</sup> /2 CORE CONCENTRIC CABLE WITH EARTH
- 5 **MAIN SWITCH** : 63A DOUBLE POLE ISOLATOR
- 6 **FAULT LEVEL** : 5kA
- 7 **MOUNTING** : FLUSH MOUNT/ @1800mm AFFL TO TOP OD DB
- 8 **TYPE** : LOCKABLE DOORS WITH ACCESSIBLE MAIN SWITCH
- 9 **COLOUR** : WHITE
- 10 **SINGLE POLE CIRCUIT BREAKERS**

Circuits 1 - 2	2 x 15A	- External Lighting
Circuits 3 - 5	3 x 15A	- Internal Lighting
Circuits 6 - 9	4 x 20A	- Switched Socket Outlets
Circuit 10	1 x 20A	- Dedicated Socket Outlets
Circuit 11	1 x 20A	- Hydroboil Isolator
Circuit 12	1 x 5A	- Bypass Switch
Circuit 13	1 x 45A	- Feed to Next Block
- 11 **OTHER EQUIPMENT**
  - 1 x set 63A Single phase and neutral busbars
  - 1 x 30mA, 60A double pole earth leakage units without overload protection
  - Earth bars
  - Typed legend cards
  - Engraved trofolyte main labels reflecting items 1, 3, 4, 5 & 6 above
- 12 **SPECIAL INSTRUCTIONS**
  - Distribution board to have a minimum 30% spare capacity in all sections