

CONSTRUCTION SPECIFICATION

ALL SETOUT AND CONSTRUCTION DIMENSIONS ARE TO BE CHECKED ON SITE PRIOR TO STARTING ANY WORKS BY THE CONTRACTOR OR SUB-CONTRACTORS.

REFER ANY DISCREPENCIES TO ARCHITECT FOR RESOLUTION.

ROOF PLUMBING

GUTTERS

ZINCALUME FINISH STEEL EAVES GUTTERING. LYSAGHT 125 QUAD OR APPROVED EQUIVALENT. FIX GUTTER TO TIMBER FASCIA WITH MATCHING GUTTER BRACKETS.
FALL GUTTER TO DOWNPIPES AT A MINIMUM GRADIENT OF 1 IN 400. TEST FALL OF GUTTER BY FILLING WITH WATER AND ENSURING WATER FULLY DRAINS TO DOWNPIPES.

INSTALL GUTTERS PRIOR TO FIXING ROOF SHEETING.

DO NOT USE PVC PIPE INSTEAD OF STEEL GUTTERING.

DOWNPIPES

100 DIA. UPVC - PAINT FINISH.

ROOFING

STANDARD CORRUGATED STEEL ROOFING - COLORBOND

FIX STEEL ROOFING TO TIMBER ROOFING BATTENS WITH GALVANISED ROOFING SCREWS

RIDGE AND BARGE CAPPINGS

FOLDED STEEL SHEET - COLORBOND

FIX CAPPINGS THROUGH STEEL ROOFING TO TIMBER ROOFING BATTENS WITH GALVANISED ROOFING SCREWS

ROOF FRAMING

ALL TIMBER FRAMING SHOULD BE TERMITE TREATED AND COMPLY WITH AS 1684.

TIMBER TRUSSES AND RAFTERS

REFER TO SECTIONS AND DETAILS FOR TRUSSES/RAFTER DESIGN.

BE SURE TO INSTALL ALL BOTTOM CHORD TIES, ROOF BRACING AND TIES TO TOP PLATES.

CEILING BATTENS/NOGGINGS

NAIL FIX 50x50 CEILING BATTENS/NOGGINGS TO UNDERSIDE OF TIMBER TRUSSES AT 600 CENTRES MAX IN BOTH DIRECTIONS.

BLOCKWORK & CONCRETING

CONCRETE BLOCKS

390x150X150 CONCRETE BLOCKS LAID IN STRETCHER BOND.
10mm FLUSH JOINTED MORTAR TO SPECIFICATION.
RUN STRING LINE FOR ALL BLOCKWORK COURSES.
DO NOT TOOL JOINTS.

CHECK DETAILS FOR INSTALLATION OF REINFORCING.
BACKFILL HOLLOW BLOCKS WITH GROUT.

BLOCKWORK FINISH

FLUSH JOINTED MORTAR (DO NOT TOOL JOINTS).

MORTAR MIX

1:3
CEMENT:SAND RATIO

GROUT MIX

DESIGN MIX TO CONFIRM TO A MINIMUM OF 20 MPa
AGGREGATE(10MM)
USE AT LEAST 300KG OF CEMENT PER CUBIC METRE OF CONCRETE

USE AT LEAST 300KG OF CEMENT PER CUBIC METRE OF CONCRETE.

CONCRETE MIX

DESIGN MIX TO CONFIRM TO A MINIMUM OF 20 MPa
AGGREGATE(20MM)
LAY CONCRETE SLAP OVER BLACK PLASTIC SHEETING, 50MM SAND
BLINDING AND 150MM COMPACTED HARDCORE
0.75:1:2:4
WATER:CEMENT:SAND:AGGREGATE (20mm) RATIO

LAY CONCRETE SLAB OVER BLACK PLASTIC SHEETING, 50mm SAND
BLINDING AND 150mm COMPACTED HARDCORE

REINFORCING

ALL STEEL REINFORCING TO BE MINIMUM GRADE 300MPa

LININGS AND TRIM

CEILING LINING

1200X2400x6mm HARDBOARD SHEETS NAILED TO CEILING BATTENS AT 300 CENTRES IN CENTRE OF SHEET AND AT 150 CENTRES AT SHEET EDGES.

ARCHITRAVES, SKIRTINGS AND CORNICE TRIMS

42x12mm DRESSED PINE. PAINT FINISH.

EXTERNAL MATERIALS

BLWK
BAGGED AND PAINTED CONCRETE BLOCKS

INTERNAL FINISHES

CONC
CONCRETE FLOOR. BROOM FINISH.

FT
SELECTED FLOOR TILE

WT
SELECTED WALL TILE (UP TO 1200mm AT TOILET WET AREAS)

CT
SELECTED FLOOR NON SLIP TILES AT TOILET WET AREAS

EXTERNAL PAINTING

WINDOW FRAMES AND FASCIA
1 COAT 1 STEP OIL BASED PRIMER SEALER UNDERCOAT
2 COATS OF SEMI-GLOSS ENAMEL
COLOUR: TO BE SELECTED

INTERNAL PAINTING

INTERNAL WALLS AND CEILINGS
1 COAT SEALER
2 COATS WASH AND WEAR LOW SHEEN
COLOUR: SELECTED WHITE

TRIMS (SKIRTINGS, ARCHITRAVES, INTERNAL DOORS & FRAMES)
1 COAT 1 STEP OIL BASED PRIMER SEALER UNDERCOAT
2 COATS OF SEMI-GLOSS ENAMEL
COLOUR: SELECTED WHITE

WINDOW FRAMES
1 COAT 1 STEP OIL BASED PRIMER SEALER UNDERCOAT
2 COATS OF SEMI-GLOSS ENAMEL
COLOUR: TO BE SELECTED

ONLY PREMIUM QUALITY PAINTS
TO BE USED

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EMAIL: design@mise.gov.ki

MFED TOILET RENOV

CLIENT: MFED
PROJECT NO: 112203

DWG TITLE:
CONSTRUCTION
SPECIFICATION

DRAWN BY: JT/ttekeiaki
REVIEWED BY: JT
DATE: 06/01/23
SCALE: 1 : 20

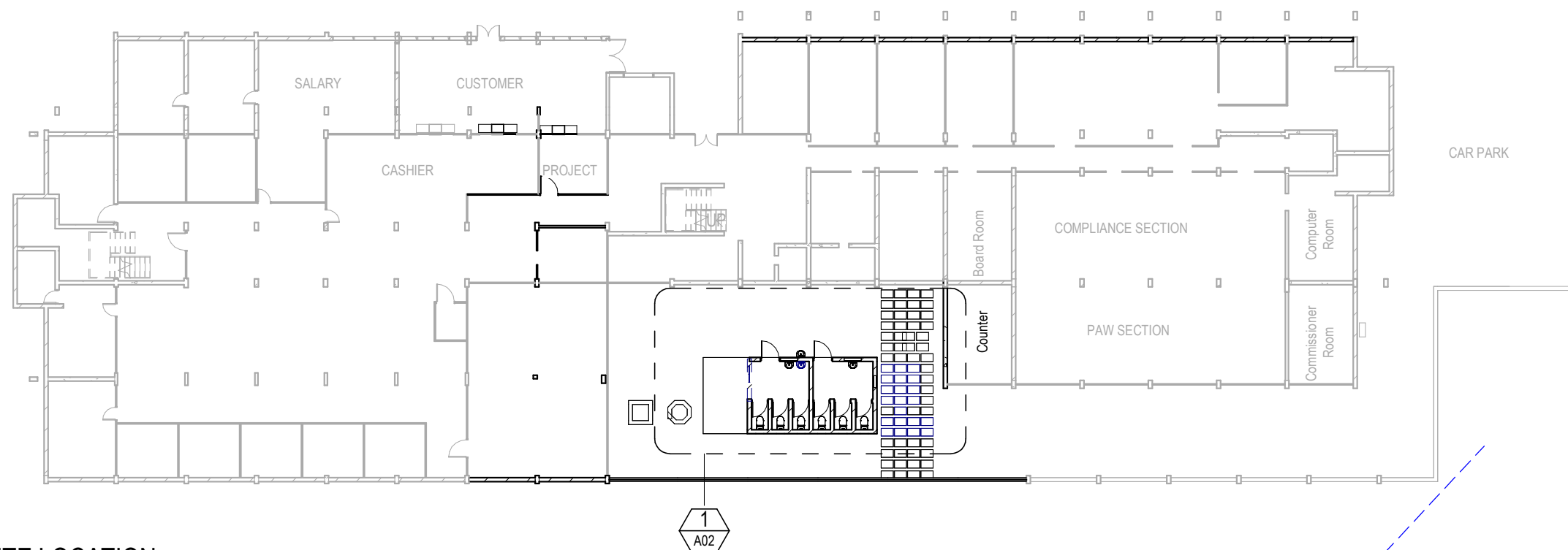
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A00 CONSTRUCTION

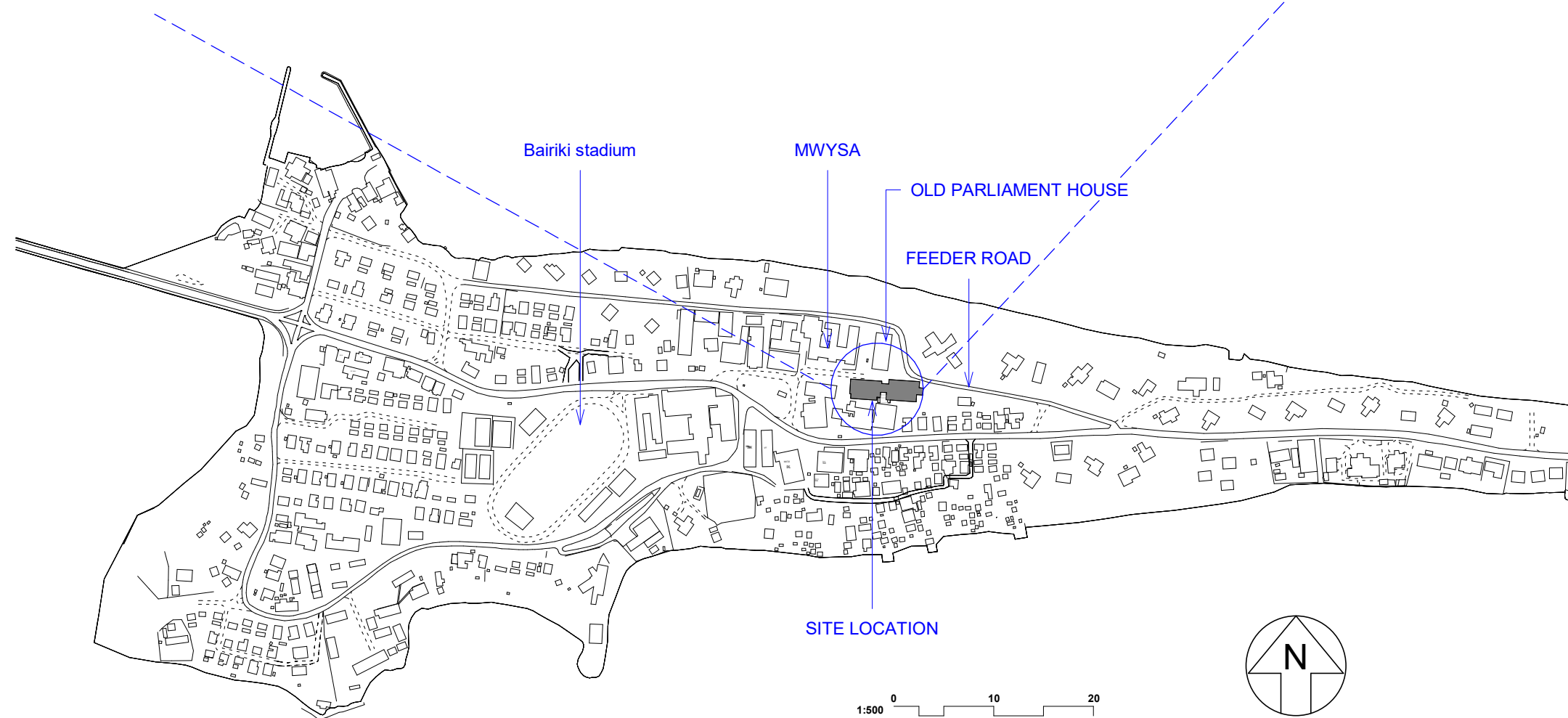


Construction Specification

S 1 : 20



1 SITE LOCATION
S 1:250



2 BAIRIKI VILLAGE
A04 S 1:5000

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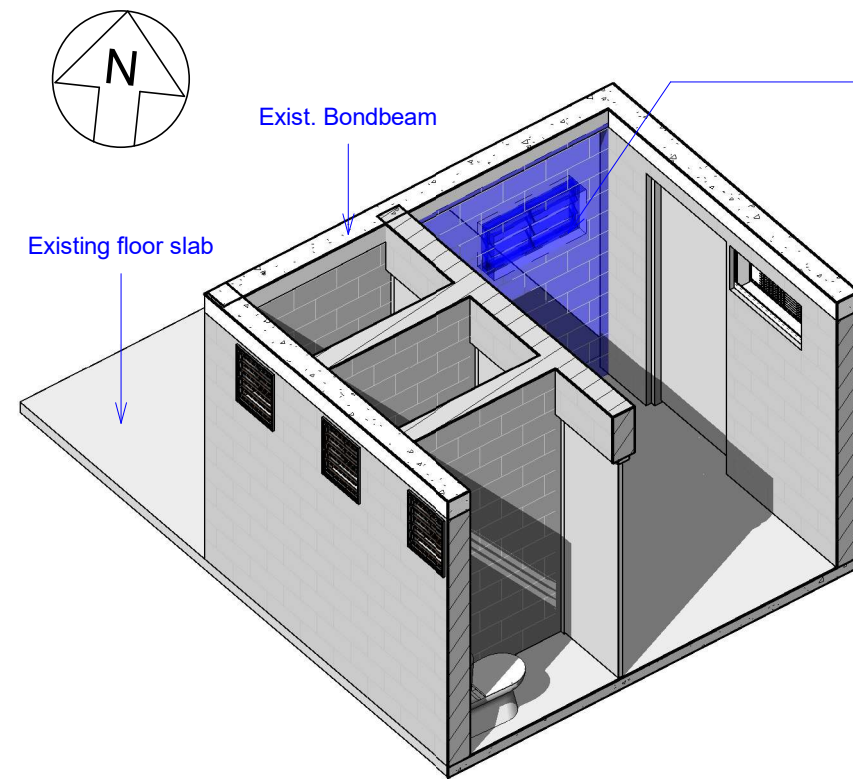
DWG TITLE:
SITE PLAN

DRAWN BY: JT/ttekeiaki
REVIEWED BY: BR
DATE: 06/01/23
SCALE: As indicated

DRAWING NUMBER: ISSUE:

A01 CONSTRUCTION

6/01/2023 4:48:05 PM
H:\SUB\N12 Current Projects\112203 MFED Toilet Renovation and Kitchen\112203 MFED Toilet Renovation\112203 MFED Toilet Renovation\A01 Construction\A01 Construction.dwg



3 3D VIEW EXIST/DEMO PLAN
Scale:

DEMOLISH HIGHLIGHTED BLOCKWALL UNDERNEATH BOND BEAM

Raise existing floor slab with sand cement mix to match toilet floor level.

Retain floor finish to existing

Remove all highlighted pavement.

Demolish highlighted edge of exist. slab to allow new footing to be poured.

1 EXISTING/DEMOLITION PLAN
Scale: 1 : 100

LEGEND

hb handbasin
wc water closet assembly

WALL LEGEND

400 X 150 X 150mm New Blockwork- Concrete core-filled

150mm EXIST. Blockwork

SCOPE OF WORK

WALL & WINDOW

- Demolished existing wall to create opening and extend to a given measurement to be used as an access for the new proposed female toilets. Refer Page A03.

PLUMBING

- Relocation of an existing sink for females toilet - Refer to proposed plan
- Replace all toilet seats.

FLOOR

- Demolish highlighted edge of exist. slab to allow new footing to be poured.
- Raise the floor in female restroom extension with sand cement mix to level with existing floor.

PAINTING WORKS

- Repaint all existing internal walls. Refer Page A00

External works

- Remove all highlighted pavements - Refer to Exist./Demo plan

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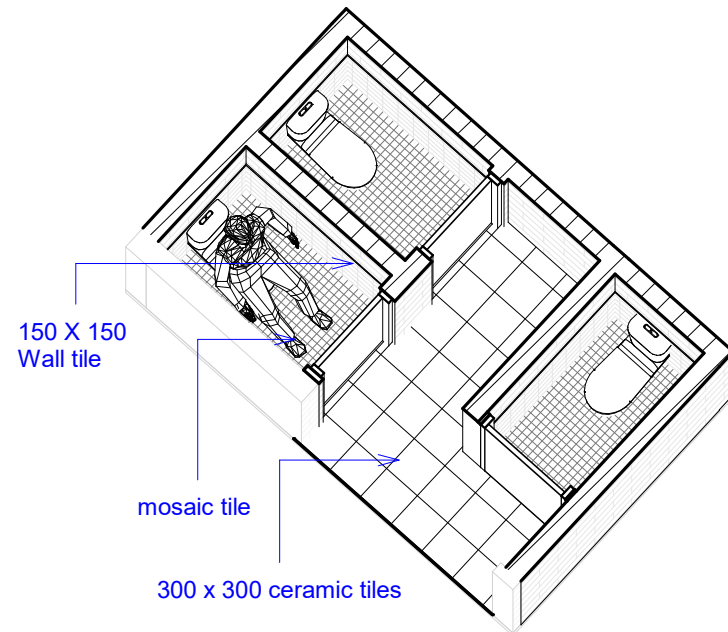
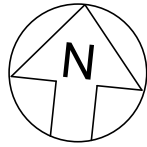
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EXISTING AND
DEMOLITION PLAN

DRAWN BY: JT/ttekeiaki
REVIEWED BY: JT
DATE: 06/01/23
SCALE: As indicated

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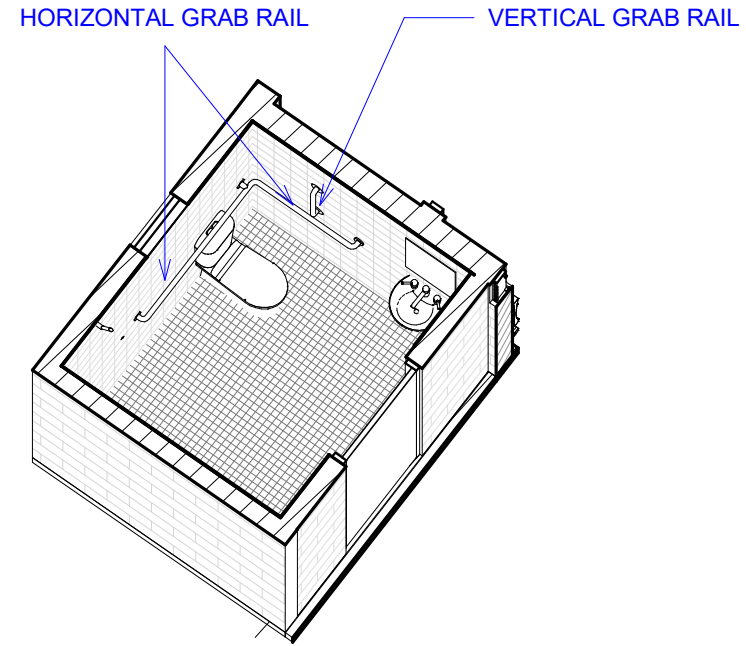
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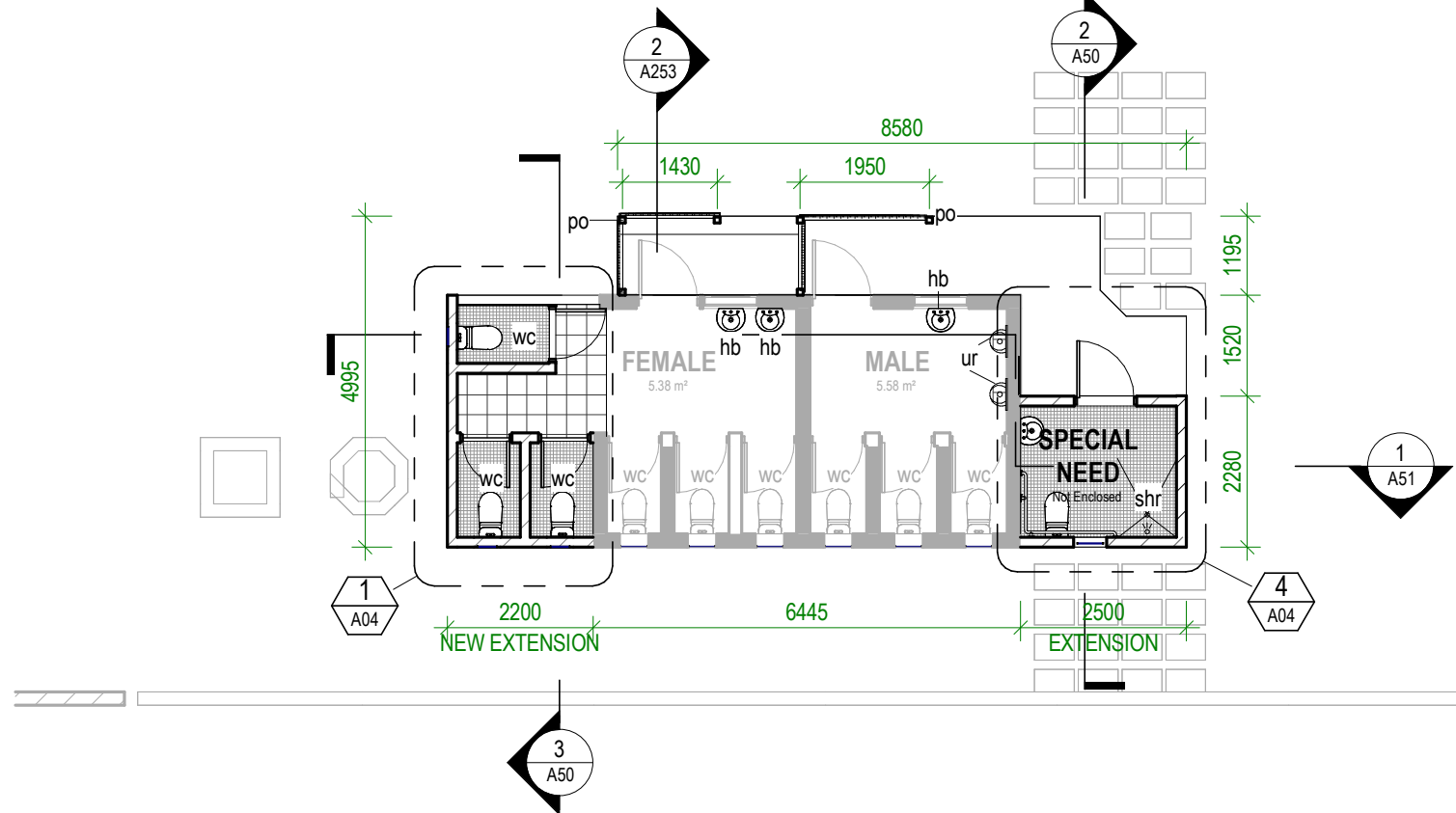
**FEMALE TOILET 3D VIEW
PLAN- EXTENSION**

3
S



**PROPOSED DISABILITY 3D
LAYOUT PLAN**

1
S



2 PROPOSED PLAN
Scale: 1 : 100

LEGEND

hb	handbasin
po	100mm x 100mm treated wooden post.
shr	shower
ur	urinal assembly
wc	water closet assembly

WALL LEGEND

400 X 150 X 150mm New Blockwork- Concrete core-filled	
150mm EXIST. Blockwork	

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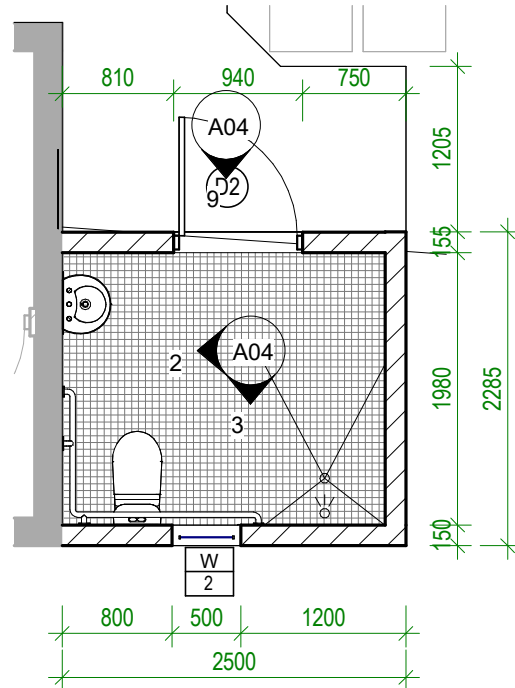
CLIENT: MFED
PROJECT NO: 112203

DWG TITLE:
PROPOSED PLAN

DRAWN BY: JT/ttekeiaki
REVIEWED BY: JT
DATE: 06/01/23
SCALE: As indicated

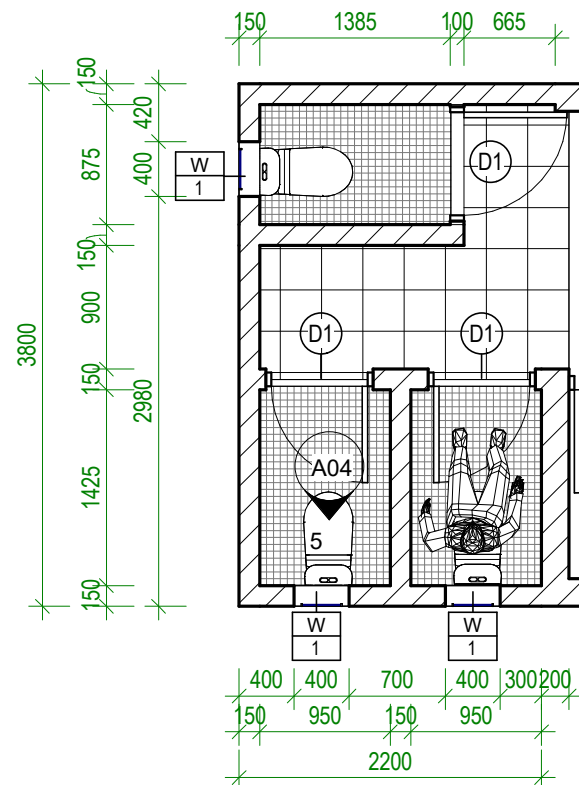
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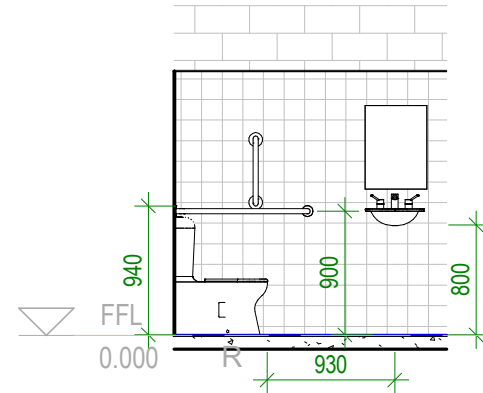
PROPOSED SPECIAL NEED PLAN LAYOUT

4 S 1:50



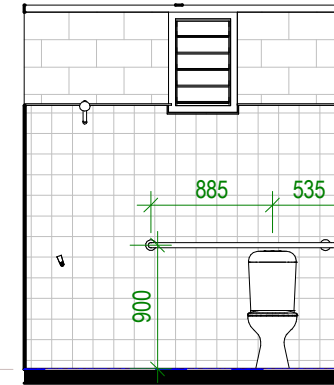
PROPOSED FEMALE TOILET EXTENSION - PLAN LAYOUT

1 S 1:50



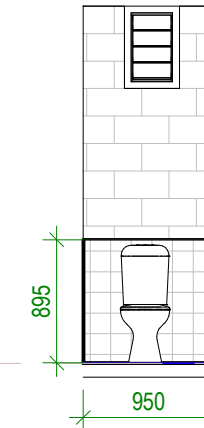
Elevation 1 - a

2 S 1:50



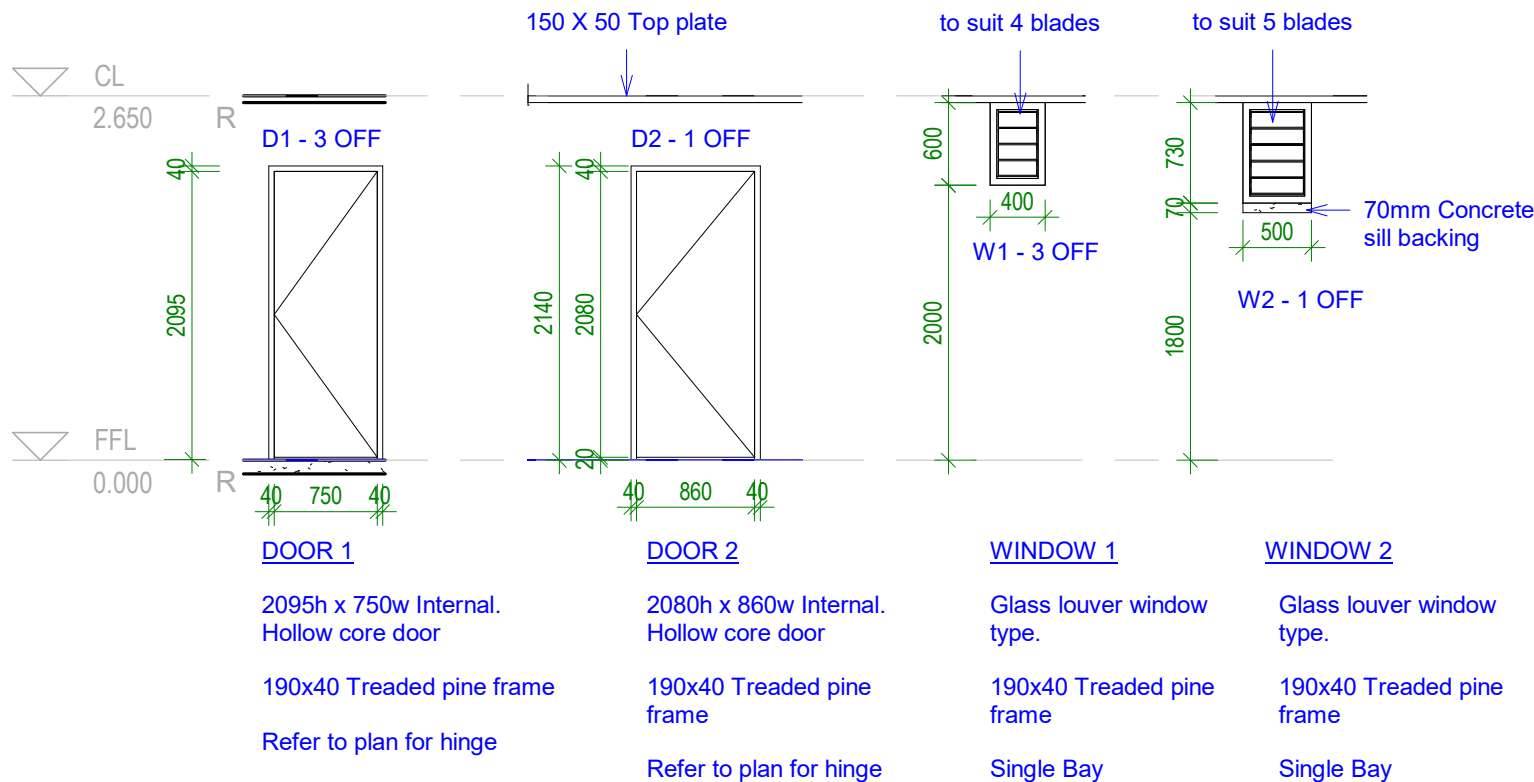
Elevation 1 - d

3 S 1:50



Elevation 2 - a

5 S 1:50



OPENING SCHEDULE

6 S 1:50

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CLIENT: MFED
PROJECT NO: 112203

DWG TITLE:
PROPOSED
EXTENSION- PLAN
LAYOUT

DRAWN BY: ttekeiaki
REVIEWED BY: 06/01/23
DATE: 12/30/22
SCALE: 1:50

DRAWING NUMBER: ISSUE:

A04 CONSTRUCTION

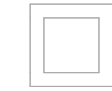
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H:\BIS\G112 Current Projects\112203 MFED Toilet Renovation and Kitchenette\08 Drawings\0802 Building\112203 MFED TOILET RENOV_230105.rvt

NOTE : CONNECT NEW INLET AND
OUTLET PIPE TO EXISTING
INLET AND OUTLET.

WATER FLOW DIRECTION TO BE
CONFIRMED ONSITE

Pipe sizing - refer to
Plumbing item notes



Inlet and outler waterflow
direction

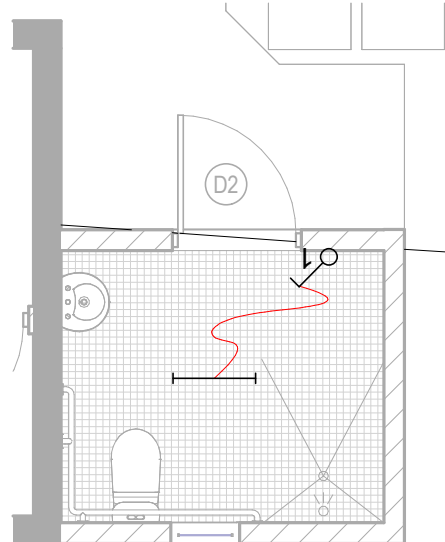
Existing Vent pipe

Existing plumbing works

PROPOSED PLUMBING LAYOUT PLAN

1

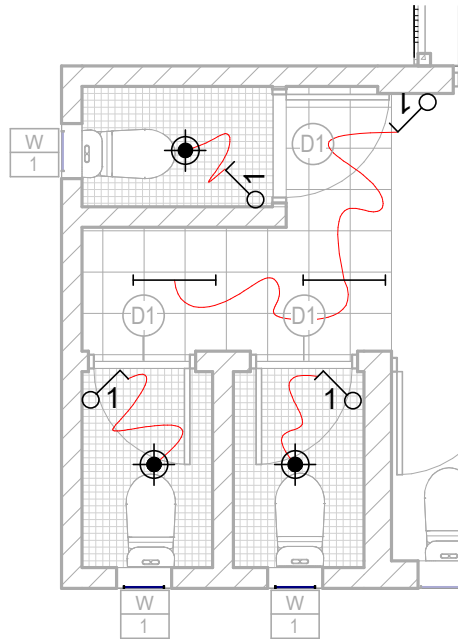
S 1 : 100



PROPOSED SPECIAL NEED - ELECTRICAL LAYOUT

3

S 1 : 50



PROPOSED FEMALE TOILET - ELECTRICAL PLAN

4

S 1 : 50

NOTE:

- GREY AND BLACK WATER DRAINAGE PIPES BOTH CONNECTED TO PUB SEWER LINE.
- DIRECTION OF INLET AND OUTLET PIPES DEPENDS ON LOCATION OF P.U.B. SERVICES IN RELATION TO THE BUILDING ORIENTATION ON SITE.
- STORAGE TANKS CAN BE INCORPORATED TO INLET PIPES (TO KITCHEN SINKS)
- OR TANKS SIMPLY HAVE DIRECT TAP OUTLETS
- TANKS CONCRETE BASE STAND SHOULD BE IN LEVEL WITH THE BUILDING FLOOR LEVEL
- WC CONNECTED TO P.U.B. SALT WATER LINE OR WELL WATER FROM ONSITE HEADER TANK
- SINKS, SHOWERS AND LAUNDRY TAPS CONNECTED TO P.U.B. CLEAN WATER LINE OR WELL WATER FROM ONSITE HEADER TANK

PLUMBING NOTES AND SPECIFICATIONS:

USE UPVC FOR ALL DRAINAGE PIPES, ABOVE AND BELOW GROUND.

PLUMBING LEGEND

- INLET MIN. 65mm NOMINAL DIAMETER (DN)
- OUTLET (SIZES REFER NOTES BELOW)

MIN. SIZE OF TRAP OUTLET AND FIXTURE DISCHARGE PIPE (NOMINAL DIAMETER (DN) IN MM):

- 65 DN MIN. FOR ALL BRANCH DRAINS AT 1 IN 40 MIN. GRADE
- 40 - BASIN
- 40 - SHOWER
- 80 - WATER CLOSET PAN
- 80 DN MIN. FOR MAIN DRAIN AT 1 IN 60 MIN. GRADE
- 40 - LAUNDRY DRAIN
- 50 - KITCHEN SINK

NOTES ARE IN ACCORDANCE TO AS/NZS 3500.5

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	Single light switch
	Candown light
	4 Feet single fluorescent lighting
	Cable wire

NOTES :

- WHERE APPLICABLE, USE ENERGY EFFICIENT APPLIANCES
- CABLE WIRE SIZES SHOULD BE:

- 4 OR 6 sqmm FOR UNDERGROUND CABLES FROM PUB BOX TO HOUSEHOLD SWITCHBOARD

- 2.5 sqmm CABLES CONNECTING SWITCH-BOARD TO GPOS - 2.5 sqmm CABLES CONNECTING SWITCH-BOARD TO SWITCH POINTS.

- 1.5 sqmm CABLES CONNECTING SWITCH-POINTS TO LIGHTS AND OTHER CEILING/WALL MOUNTED APPLIANCES

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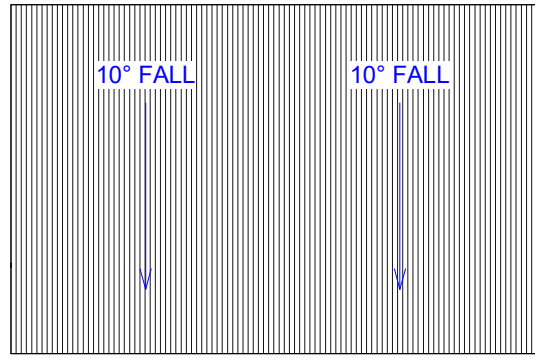
CLIENT: MFED
PROJECT NO: 112203

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PLUMBING PLAN
LAYOUT

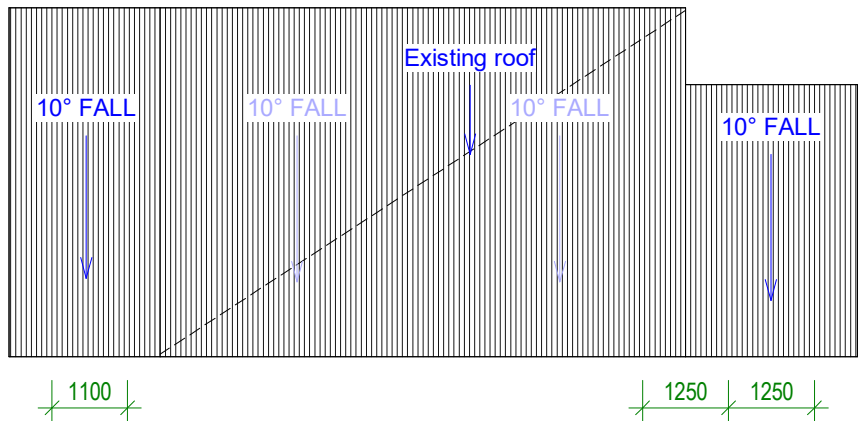
DRAWN BY: JT/ttekeiki
REVIEWED BY: Checker
DATE: 06/01/23
SCALE: As indicated

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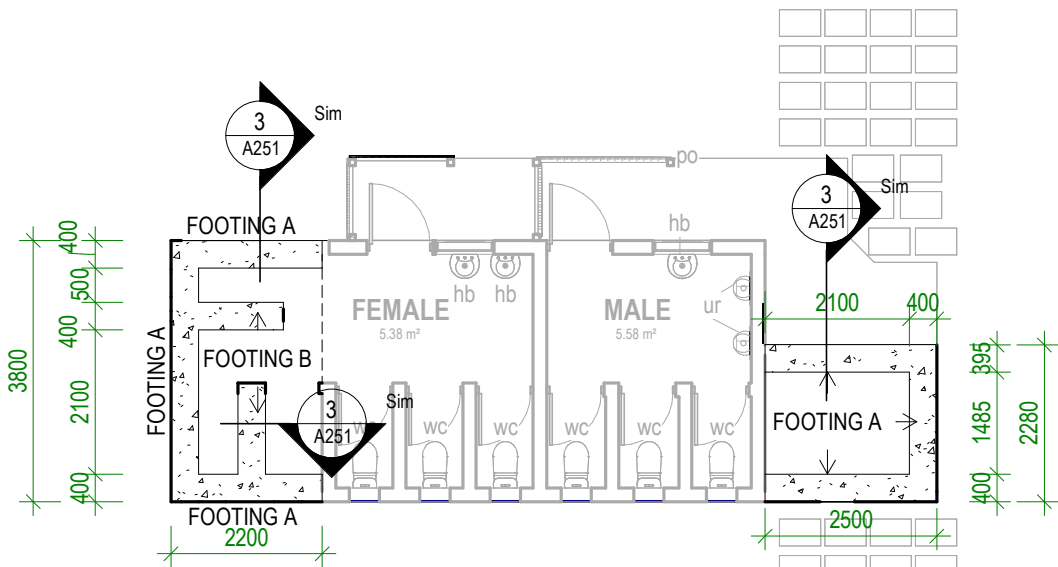
A05 CONSTRUCTION



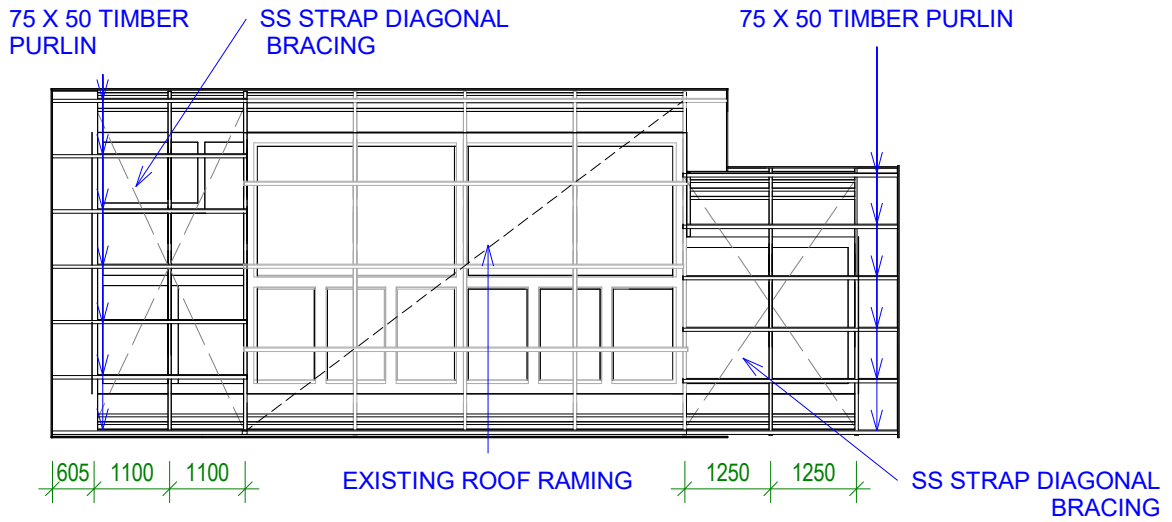
3 EXIST. ROOF
S 1 : 100



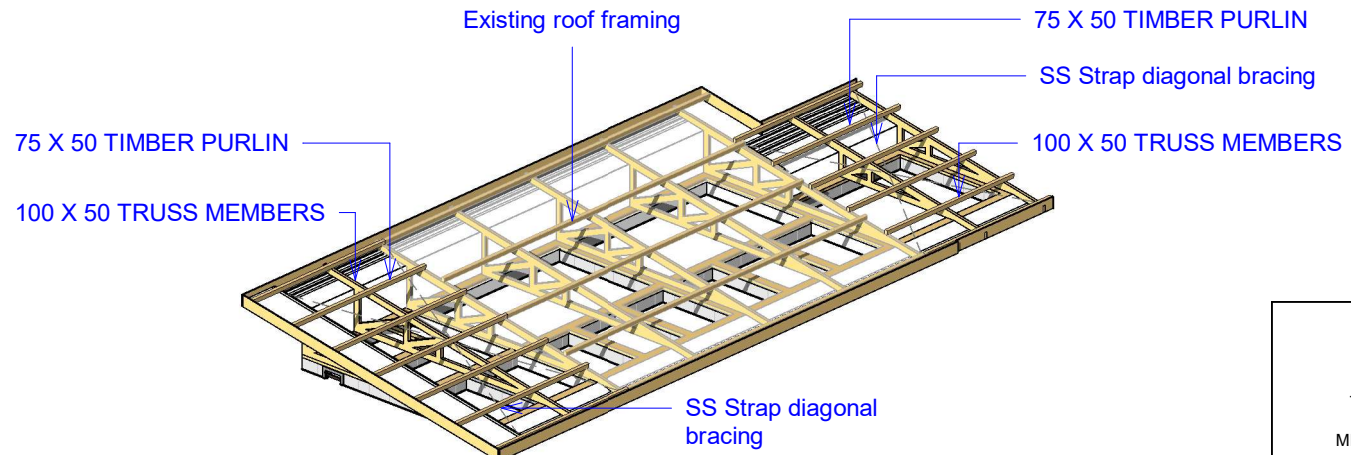
1 ROOF
S 1 : 100



4 FOOTING PLAN
S 1 : 100



2 PROPOSED ROOF FRAMING
S 1 : 100



5 3D ROOF FRAMING
S

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PROJECT NO: 112203

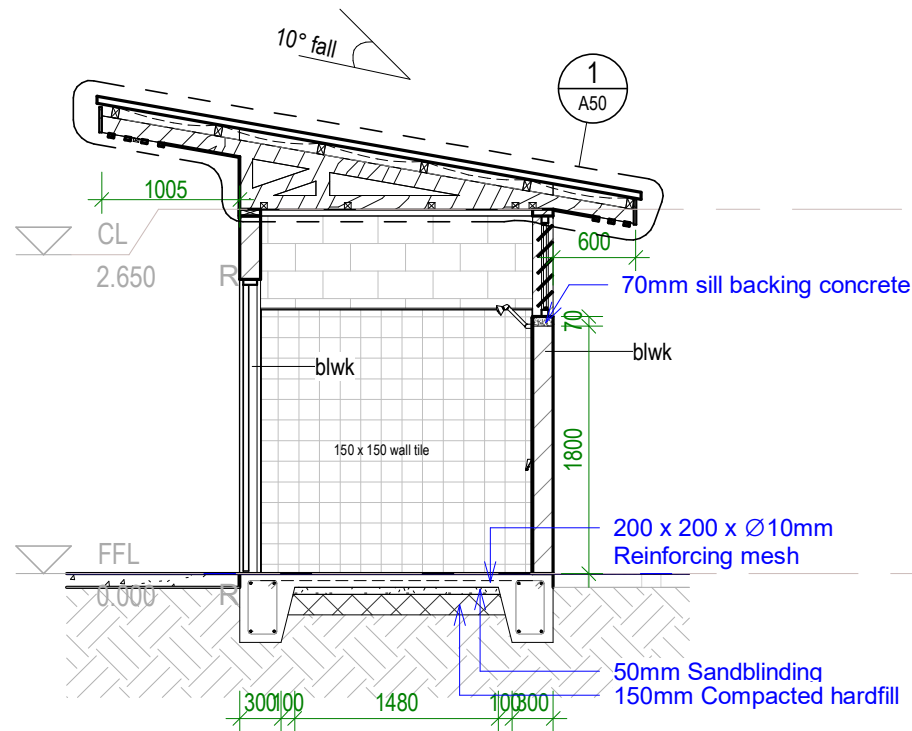
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ROOF/FOOTING PLAN

DRAWN BY: Author
REVIEWED BY: Checker
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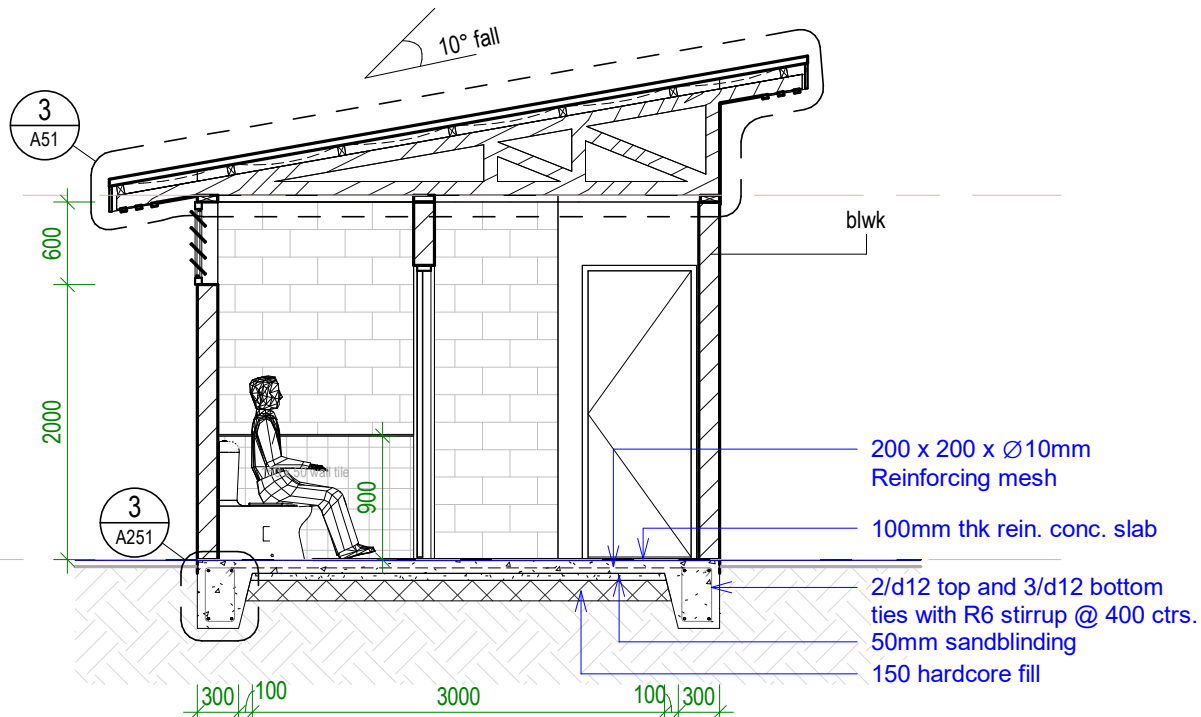
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A06 CONSTRUCTION

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2 SECTION B
Scale: 1 : 50



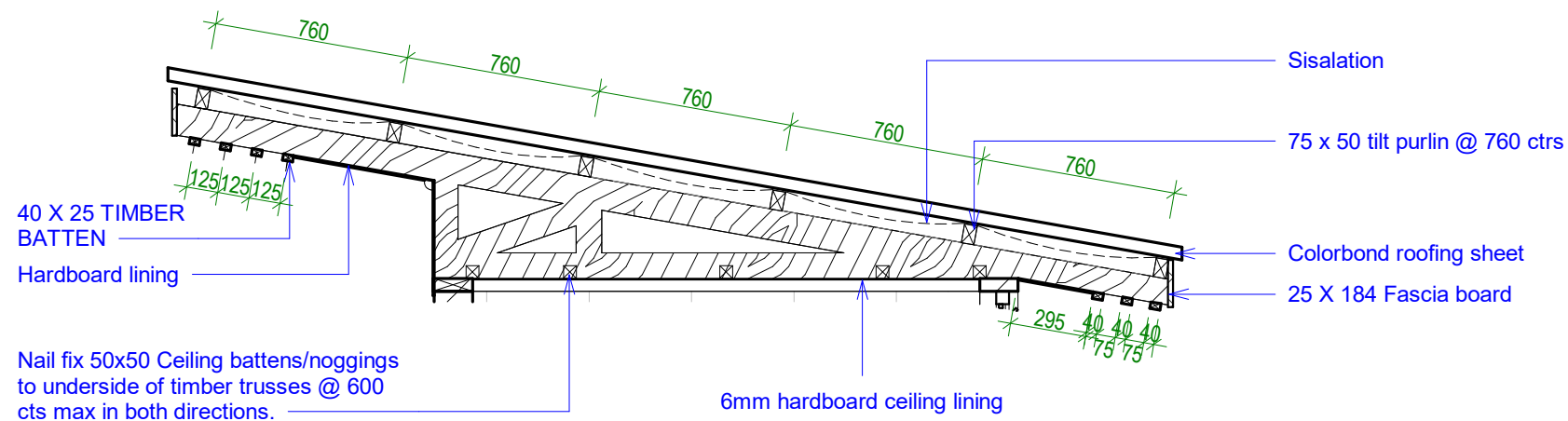
3 Section A
S 1 : 50

WALL LEGEND

400 X 150 X 150mm New Blockwork- Concrete core-filled	
150mm EXIST. Blockwork	

LEGEND

blwk	150mm blockwork (Internal finishing wall tile up to 2m. External finishing fair face)
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1 SECTION B - Callout 1
S 1 : 25

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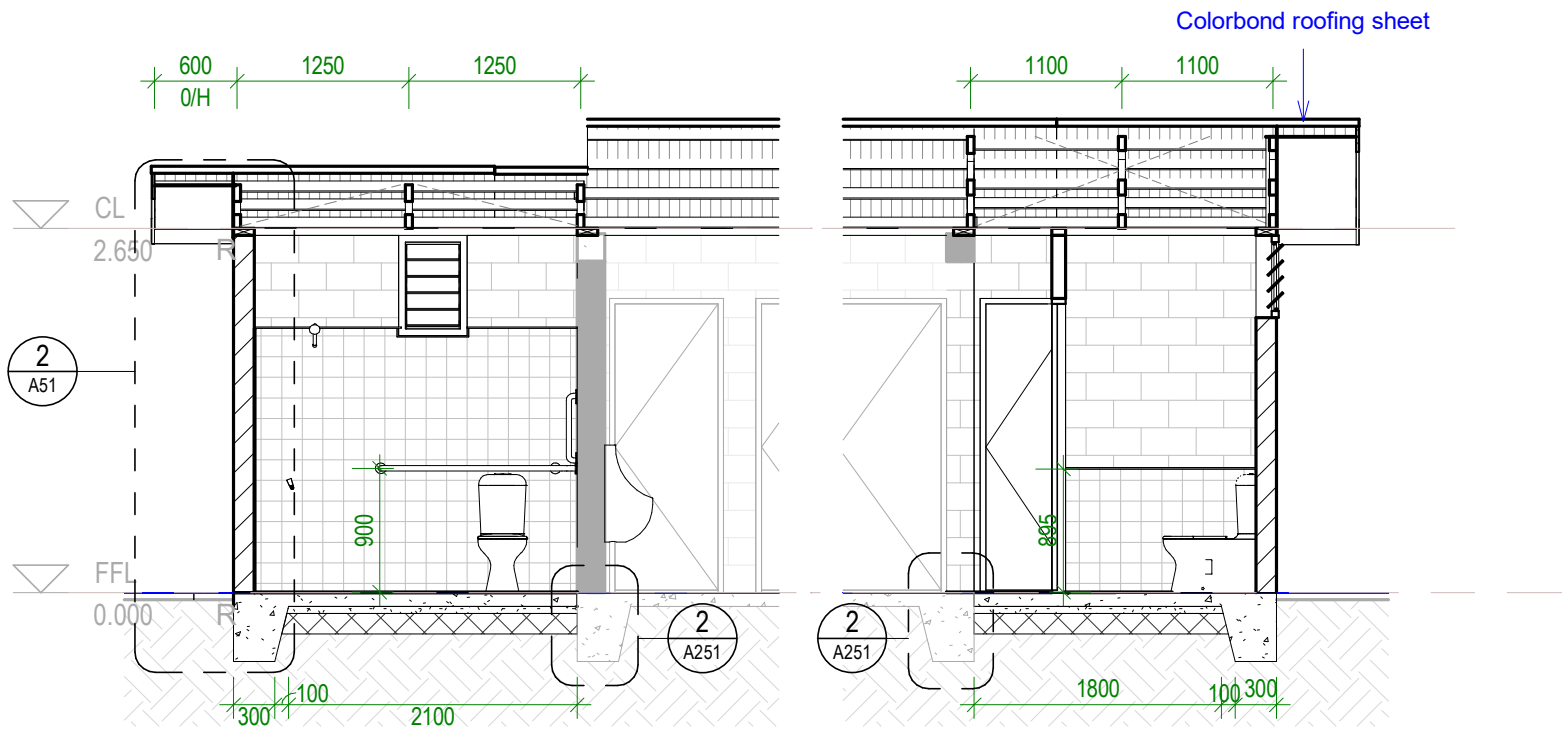
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PROJECT NO: 112203

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SECTION A & B

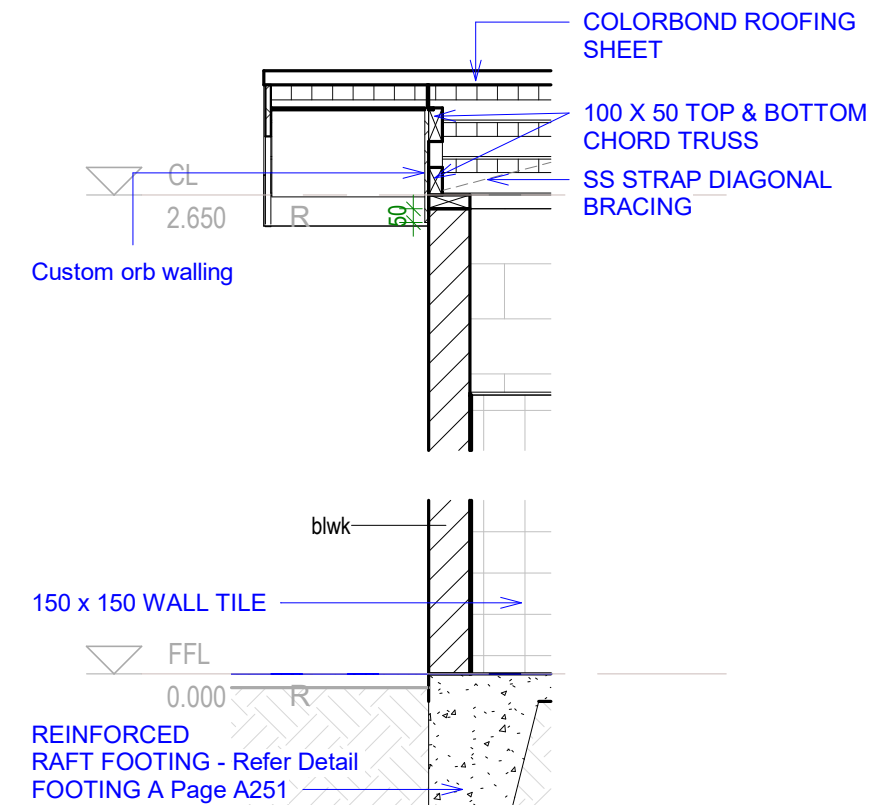
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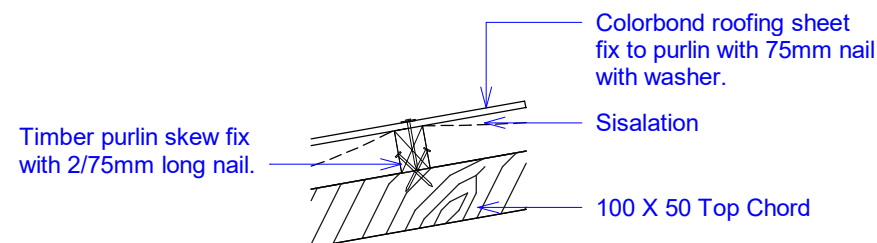
A50 CONSTRUCTION



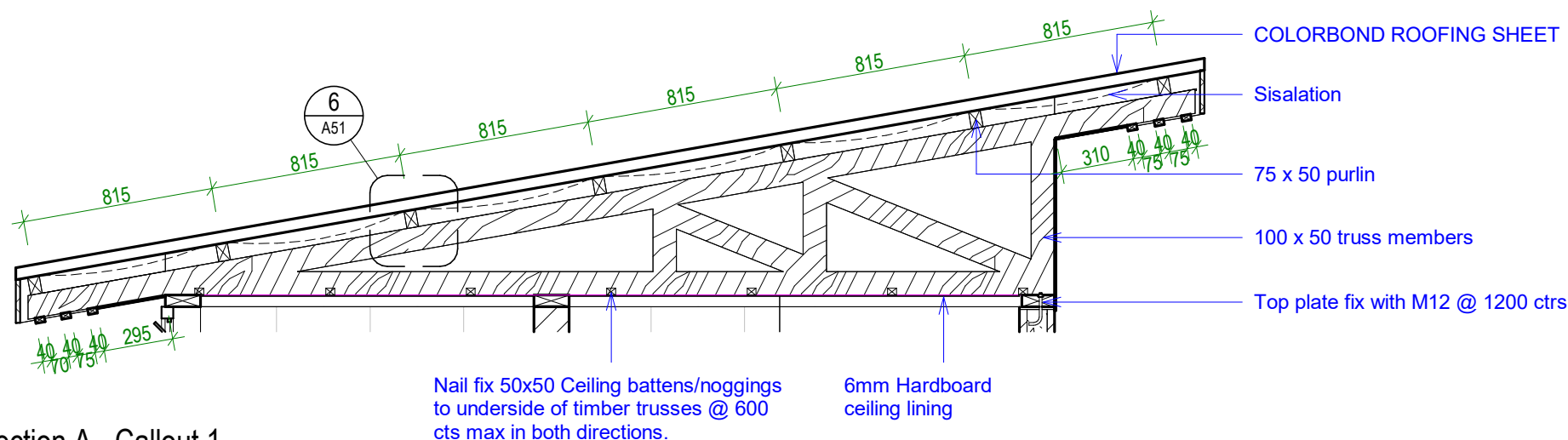
1 SECTION C
S 1:50



2 SECTION C - Callout 1
S 1:25



6 Section A - Callout 1 - Callout 1
S 1:12



3 Section A - Callout 1
S 1:25

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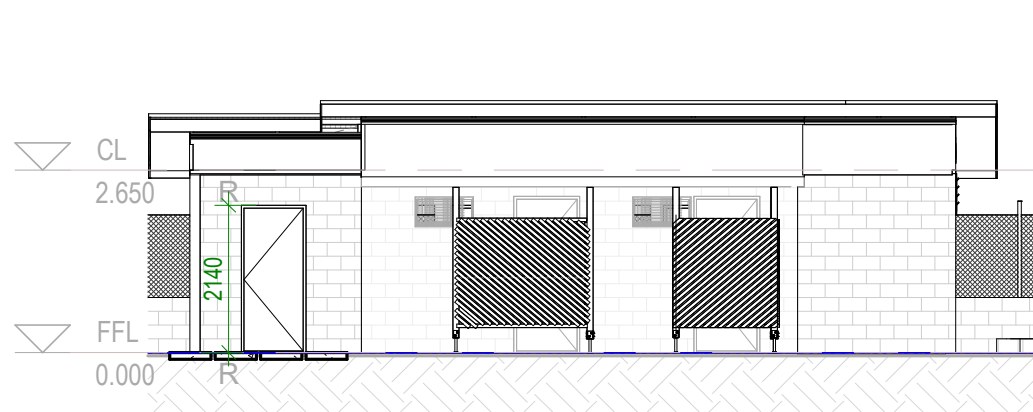
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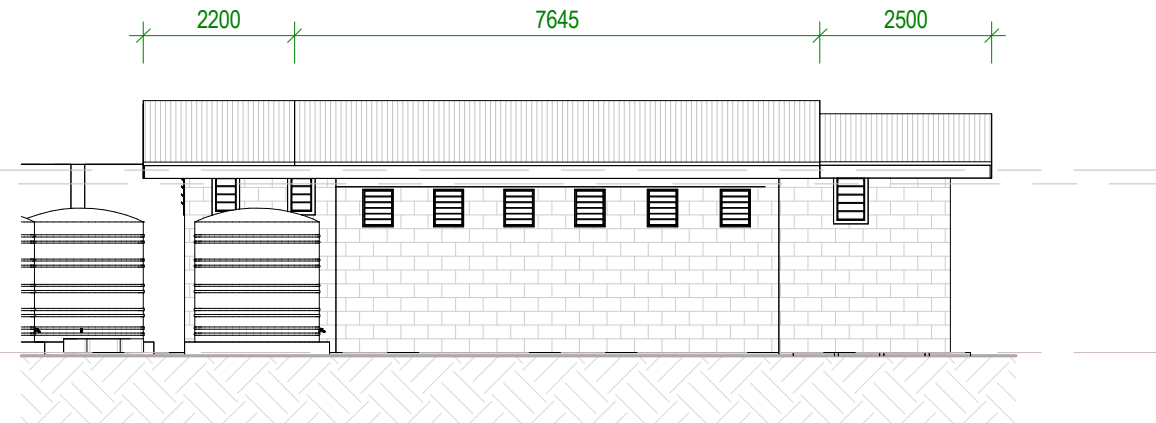
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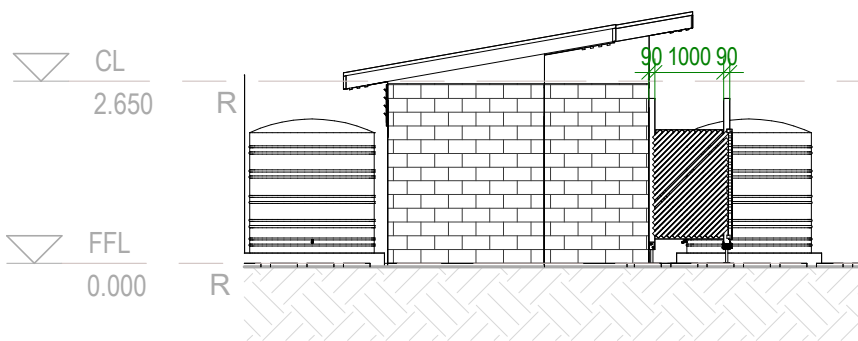
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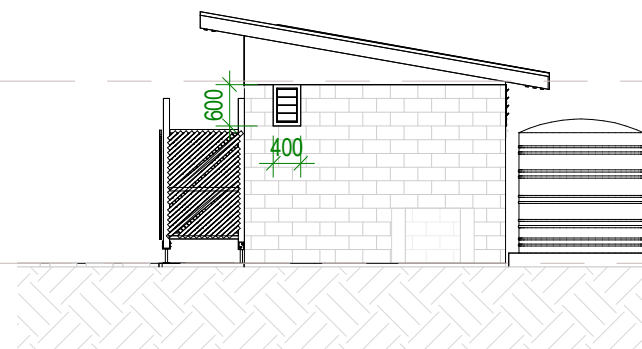
1 NORTH.
Scale: 1 : 100



2 NORTH
Scale: 1 : 100



3 EAST
Scale: 1 : 100



4 WEST
Scale: 1 : 100

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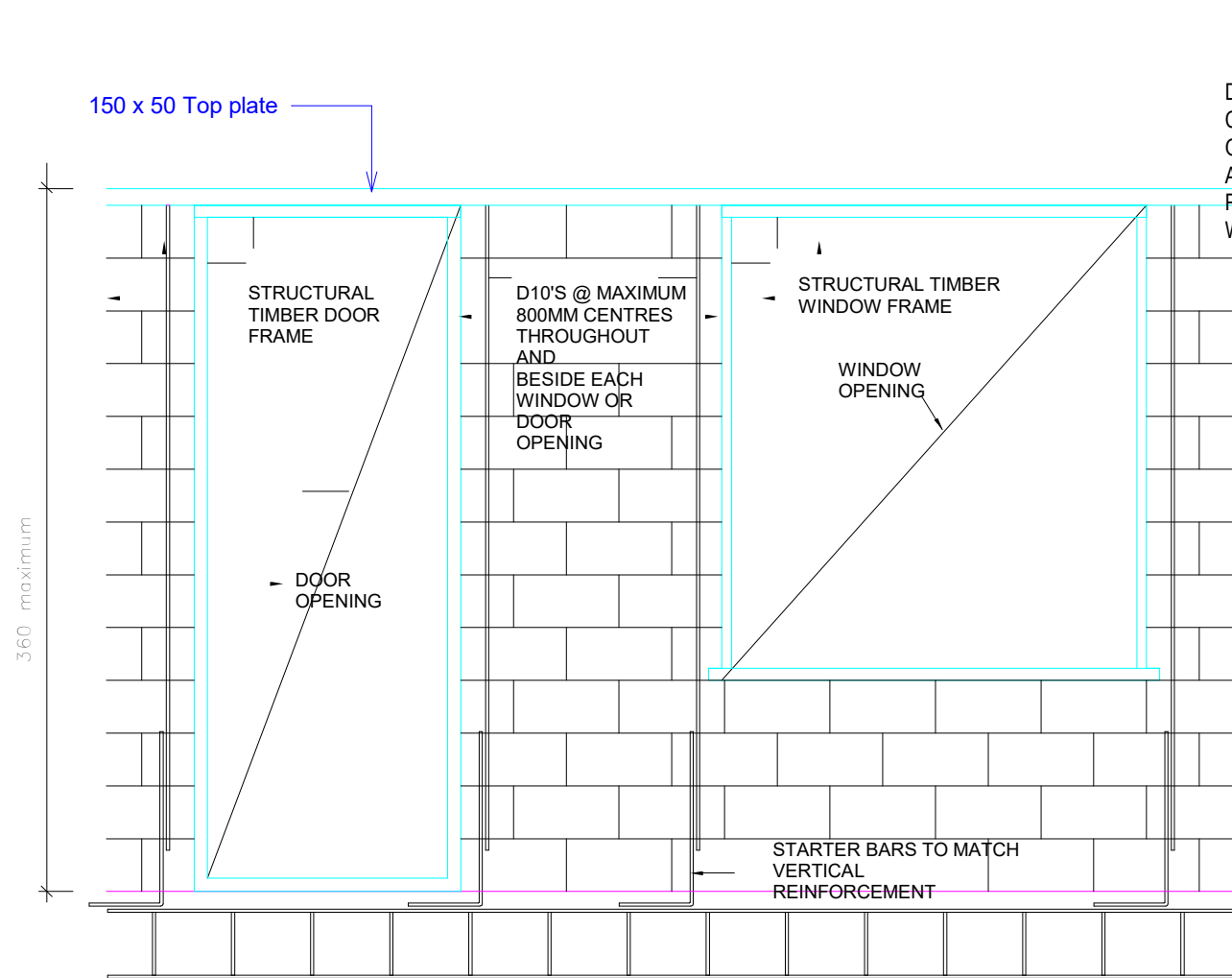
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ELEVATIONS

DRAWN BY: Author
REVIEWED BY: Checker
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SCALE: 1 : 100

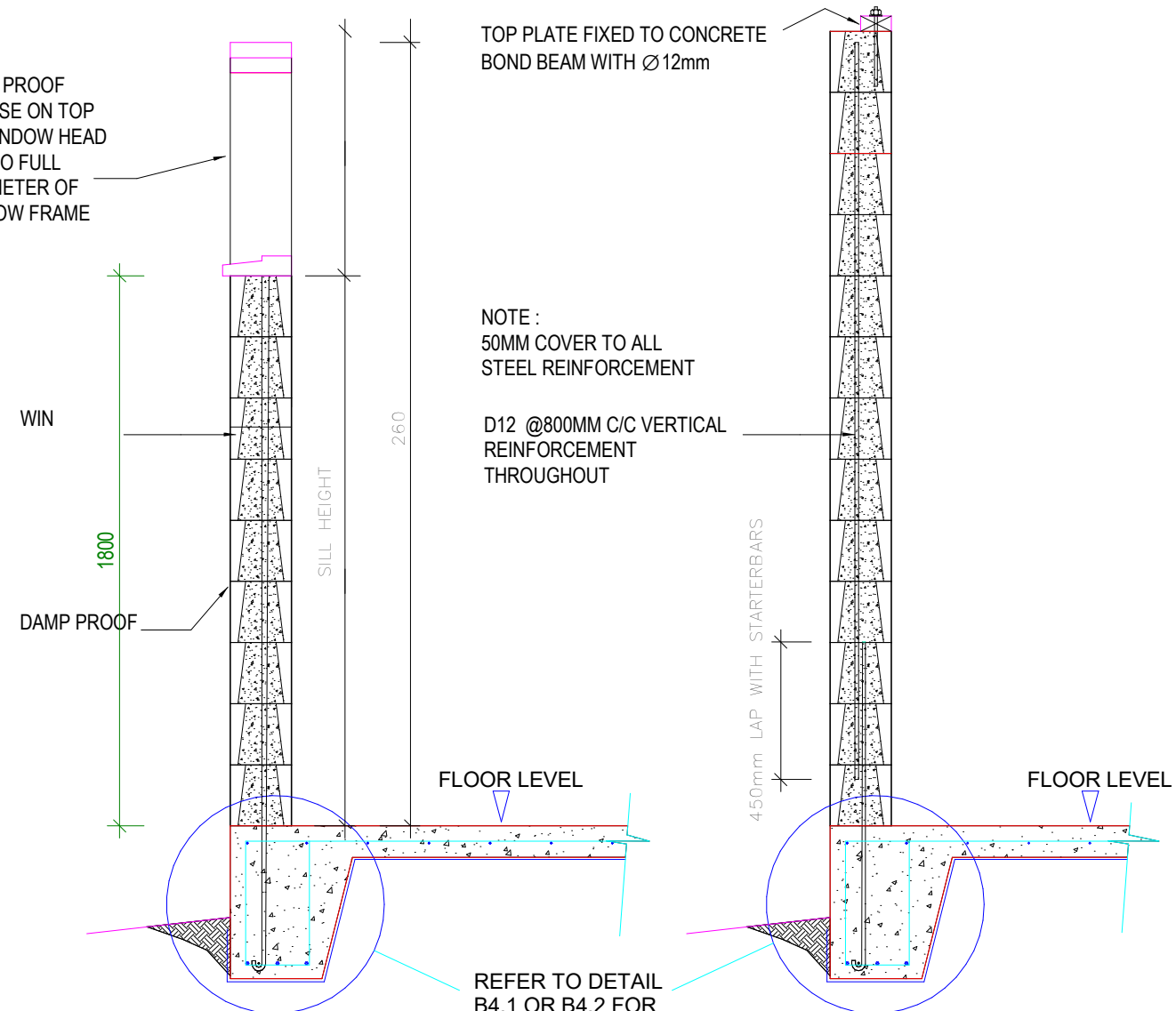
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A100 CONSTRUCTION

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TYPICAL BLOCKWORK WALL ELEVATION SHOWING



TYPICAL SECTION WINDOW / BLOCK WALL SCALE-1:20

TYPICAL SECTION BLOCKWORK WALL SCALE-1:20

REINFORCED BLOCKWORK WALL NOTES

1. THESE DETAILS SHALL ONLY BE USED FOR SINGLE STOREY BUILDINGS
2. ALL REINFORCING SHALL HAVE 50mm CONCRETE COVER.
3. BACKFILL BLOCKWORK COMPLETELY WITH GROUT.
4. ALL STEEL REINFORCING TO BE MINIMUM GRADE 300MPa

CONCRETE BLOCKS 390x190x190 CONCRETE BLOCKS LAID IN STRETCHER BOND. 10mm FLUSH JOINTED MORTAR TO SPECIFICATION. RUN STRING LINE FOR ALL BLOCKWORK COURSES.

BACKFILL HOLLOW BLOCKS WITH GROUT TO SPECIFICATION.

MORTAR MIX 1 : 3
CEMENT:SAND

GROUT MIX 1 : 1 : 2 : 4
WATER:CEMENT:SAND:10mm AGGREGATE

1

Detail - Wall reinforcement

S 1:20

ADD

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CLIENT: MFED
PROJECT NO: 112203

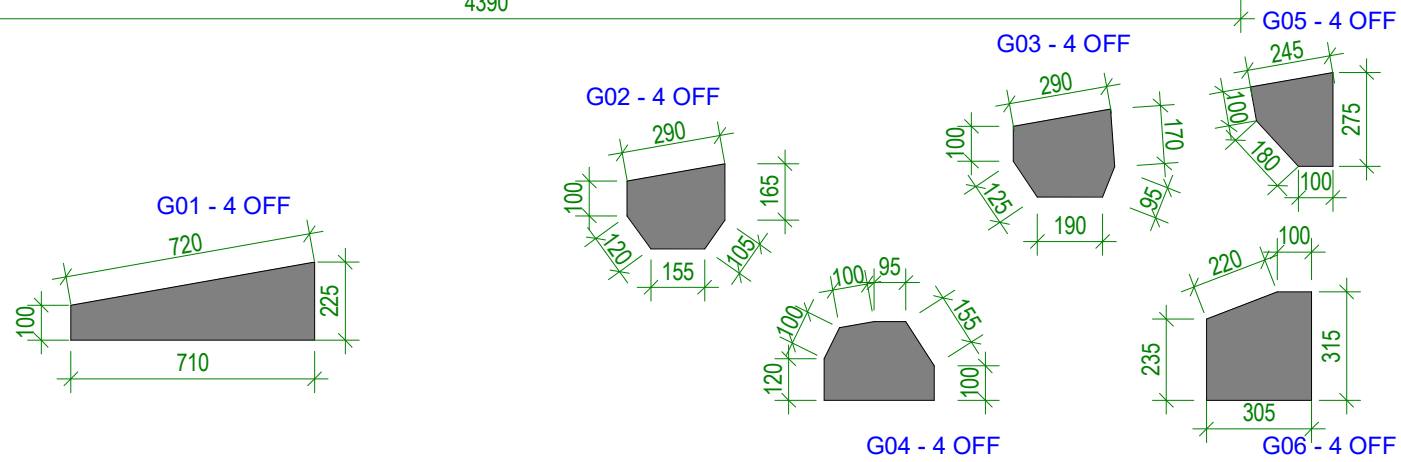
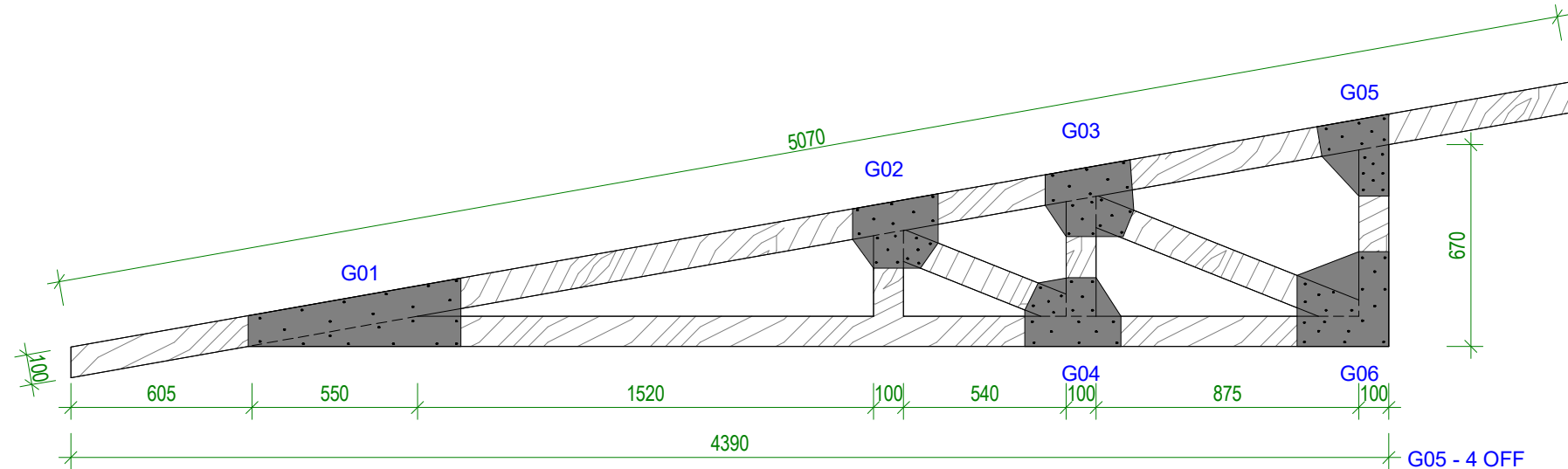
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**DETAILS - WALL
REINFORCEMENT**

DRAWN BY: Author
REVIEWED BY: Checker
DATE: 06/01/23
SCALE: 1:20

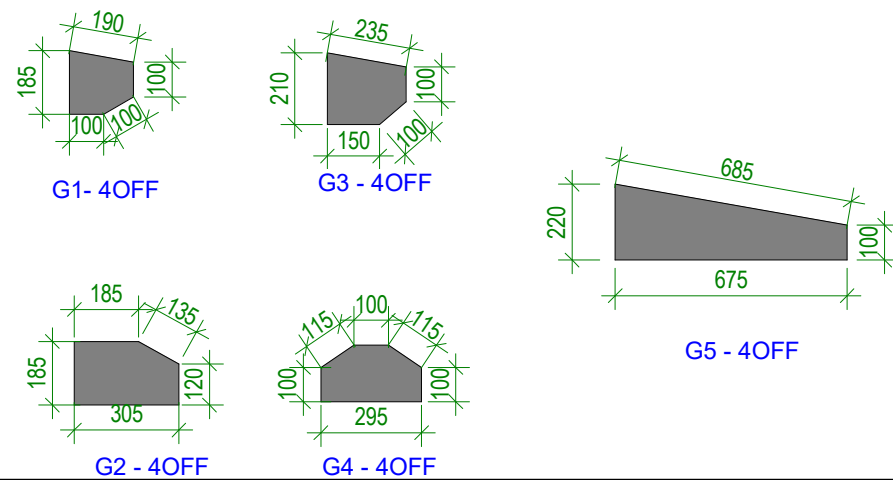
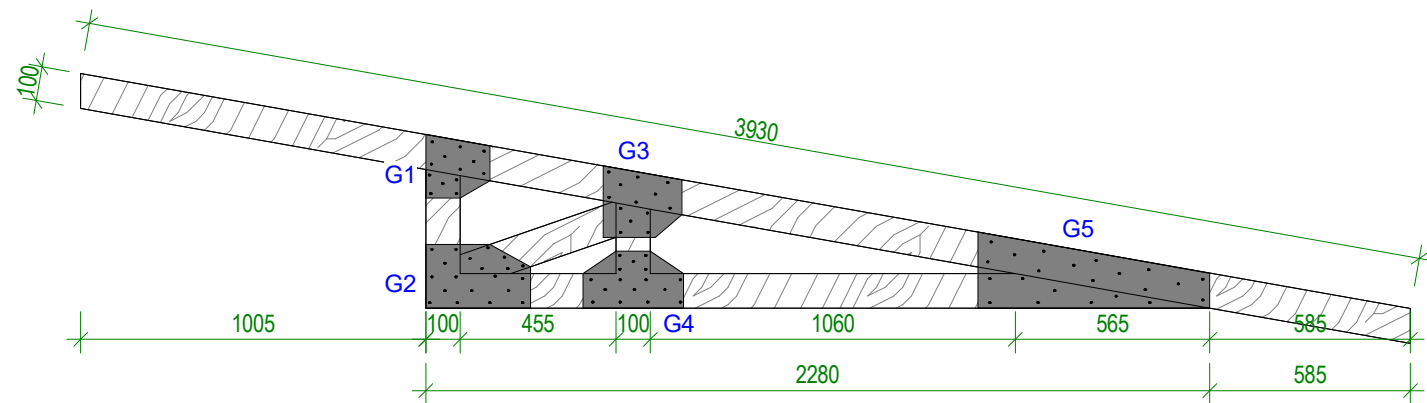
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A250 CONSTRUCTION

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2 TRUSS 1
S 1:20



1 TRUSS 2
S 1:20

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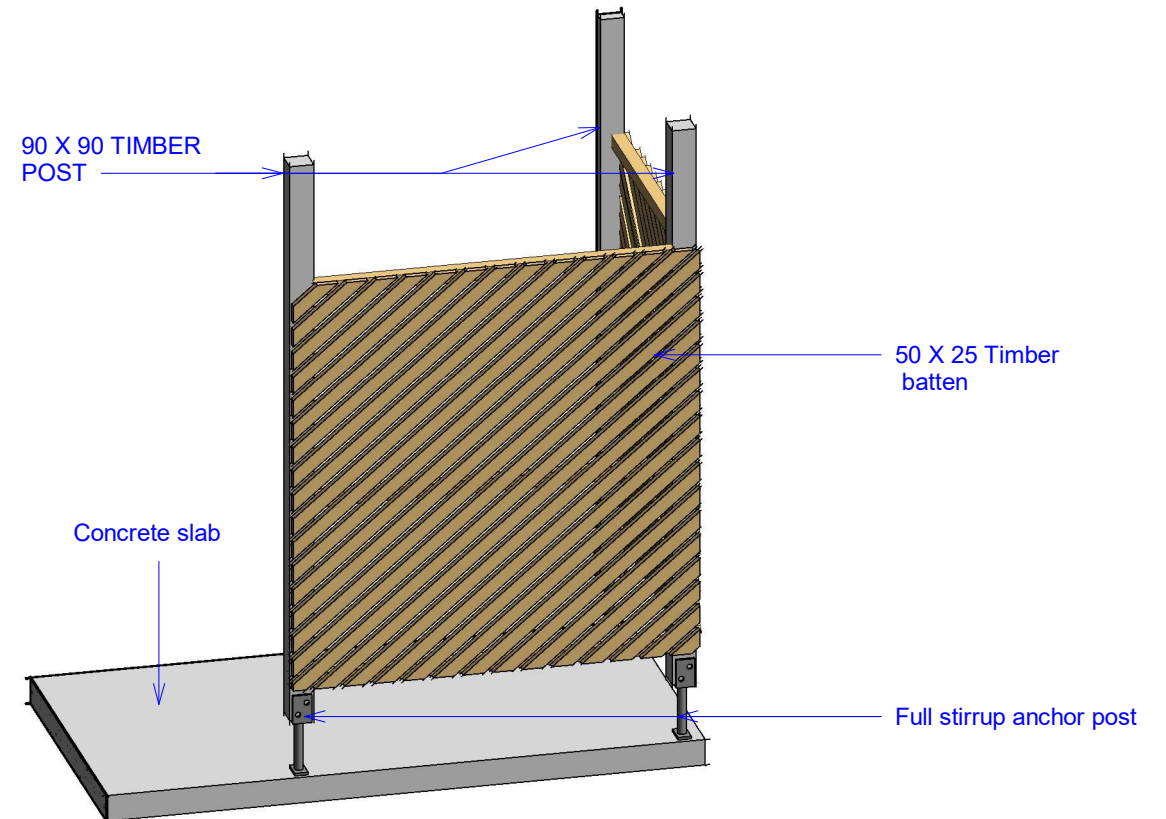
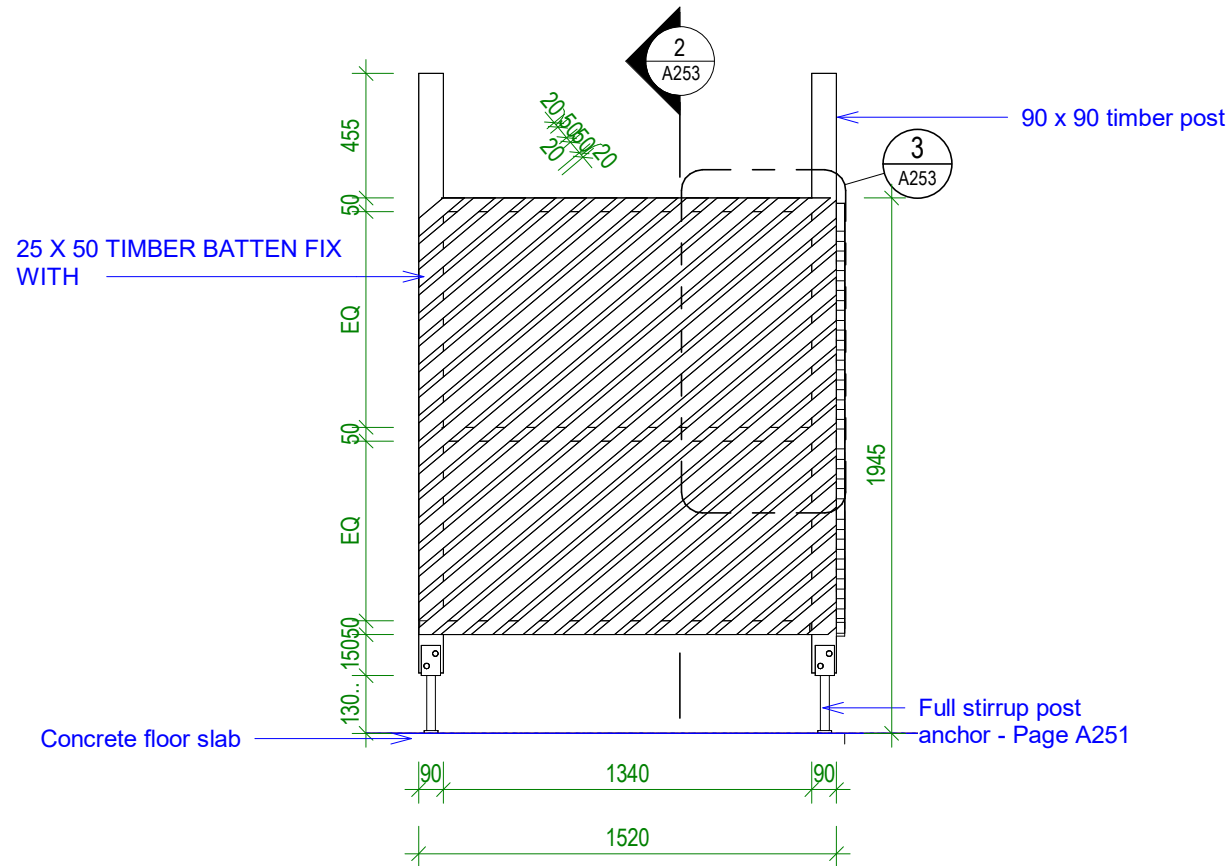
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TRUSS SCHEDULE

DRAWN BY: Author
REVIEWED BY: Checker
DATE: 06/01/23
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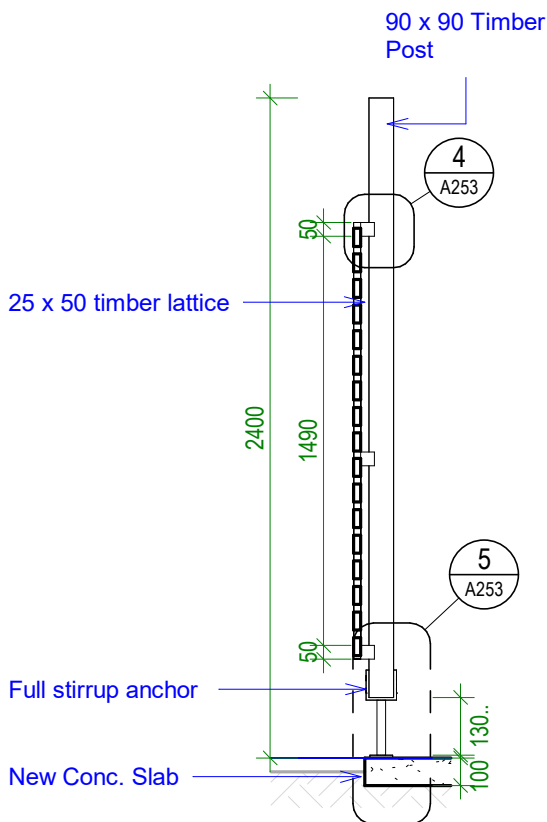
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A252 CONSTRUCTION

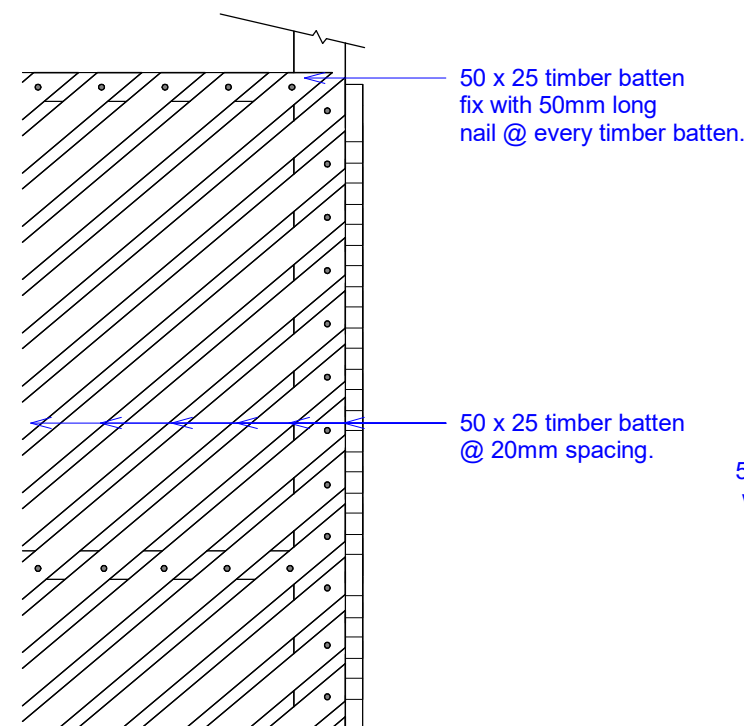
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1 TIMBER LATTICE - SCREEN
S 1:25

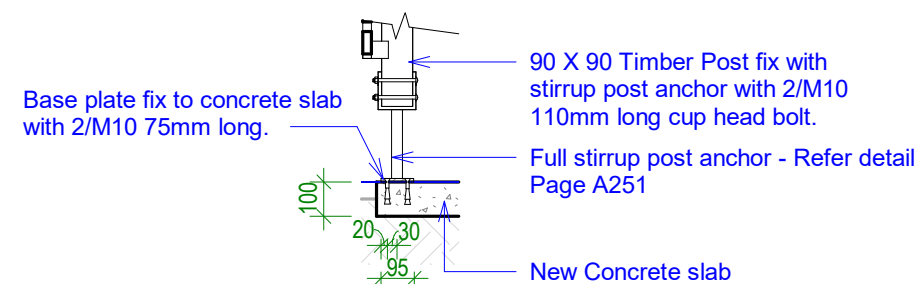


2 TIMBER SCREEN SECTION
S 1:25

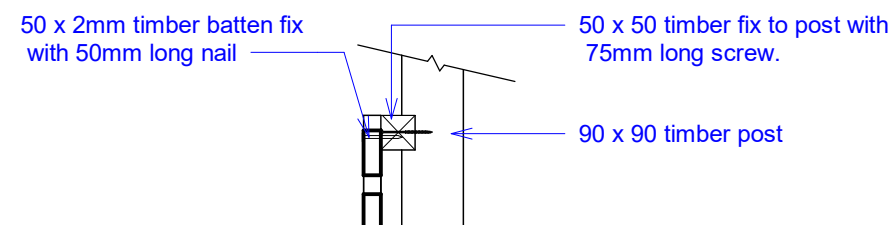


3 TIMBER LATTICE - SCREEN - Callout 1
S 1:12

6 3D LATTICE SCREEN VIEW
S



5 POST CONNECTION DETAIL
S 1:20



4 TIMBER SCREEN SECTION - Callout 1
S 1:10

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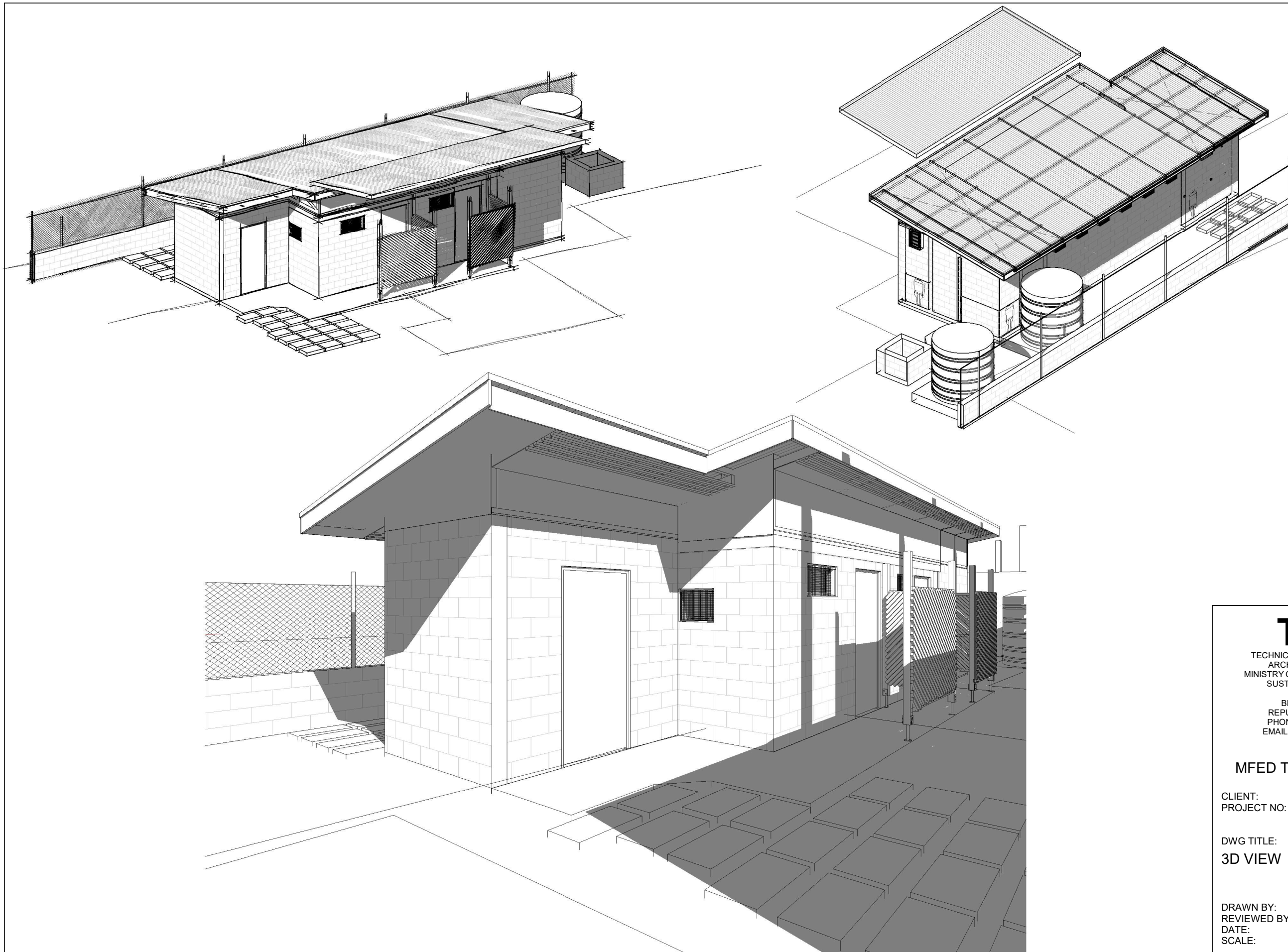
CLIENT: MFED
PROJECT NO: 112203

DWG TITLE:
**TIMBER LATTICE
SCREEN - DETAIL**

DRAWN BY: ttekeiaki
REVIEWED BY: JT
DATE: 06/01/23
SCALE: As indicated

DRAWING NUMBER: ISSUE:

A253 CONSTRUCTION



TDS

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MFED TOILET RENOV

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PROJECT NO: 112203

DWG TITLE:
3D VIEW

DRAWN BY: JT/ttekeiaki
REVIEWED BY: Checker
DATE: 06/01/23
SCALE:

DRAWING NUMBER: ISSUE:

A500 CONSTRUCTION