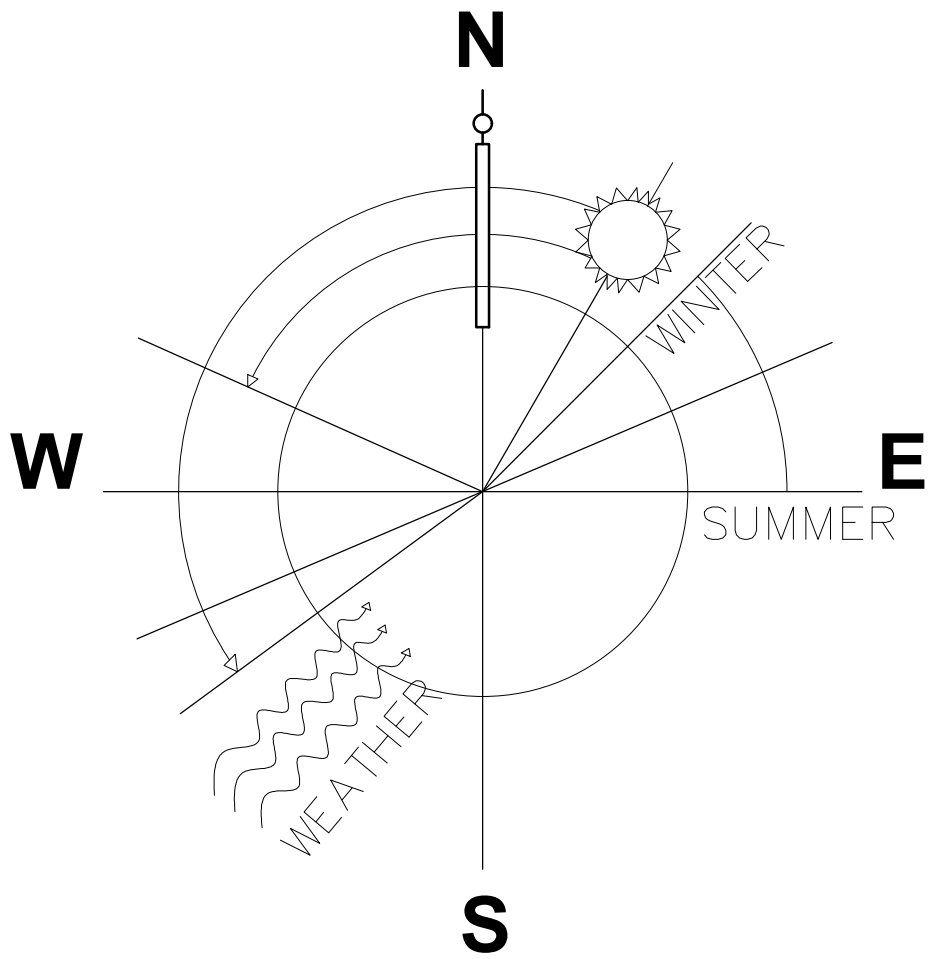


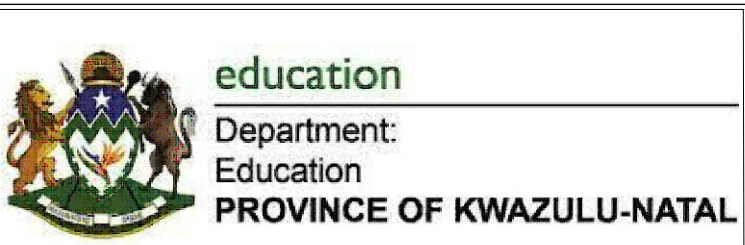
AERIAL VIEW

LEGEND:

- A - MALE ABLUTION (4 CUBICLE)
- B - ADMIN BLOCK
- C - PARK HOME
- D - 2 CLASSROOM BLOCK (GRADE 12)
- E - FEMALE ABLUTION (4 CUBICLE)
- F - 4 CLASSROOM BLOCK (GRADE 8 + 9)
- G - 3 CLASSROOM BLOCK (GRADE 10)
- H - 4 CLASSROOM BLOCK (GRADE 8 + 12)
- I - MALE ABLUTION (4 CUBICLE)
- J - FEMALE ABLUTION (4 CUBICLE)

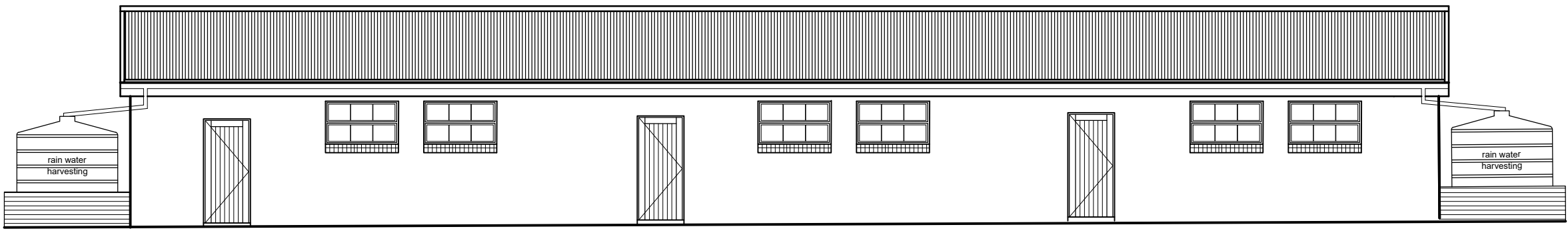


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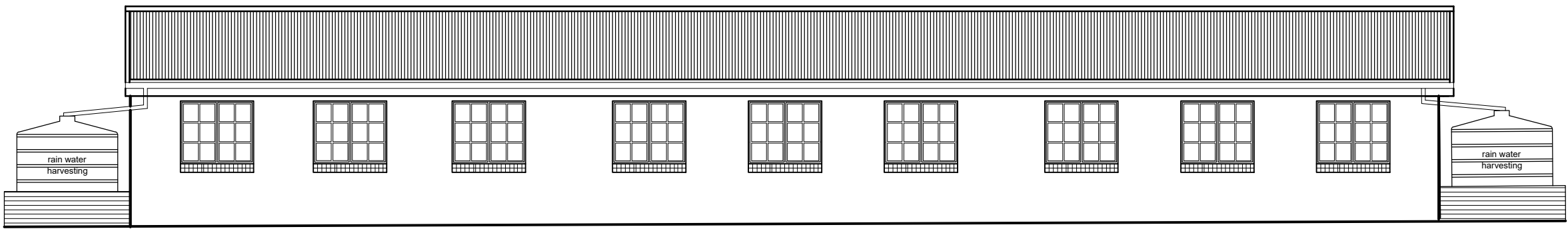


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service			
 p.o. box 19383 dormenton 4015 phone : +27(31) 201 3853 fax : +27(31) 201 3930 e-mail : ravij@architronic.co.za SACAP NO. : 6012			
drawing title			
KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
KHAMANGWA HIGH SCHOOL			
SITE PLAN			
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scale	AS INDICATED	drawn	KB
date	MAY 2019	checked	VG
drawing number			REV
1120.19-KHA-GA-2001			

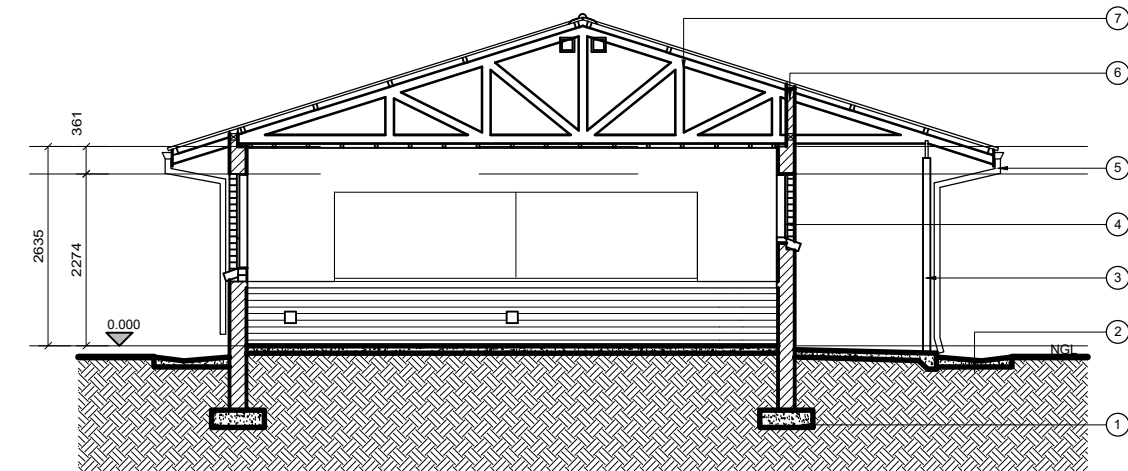
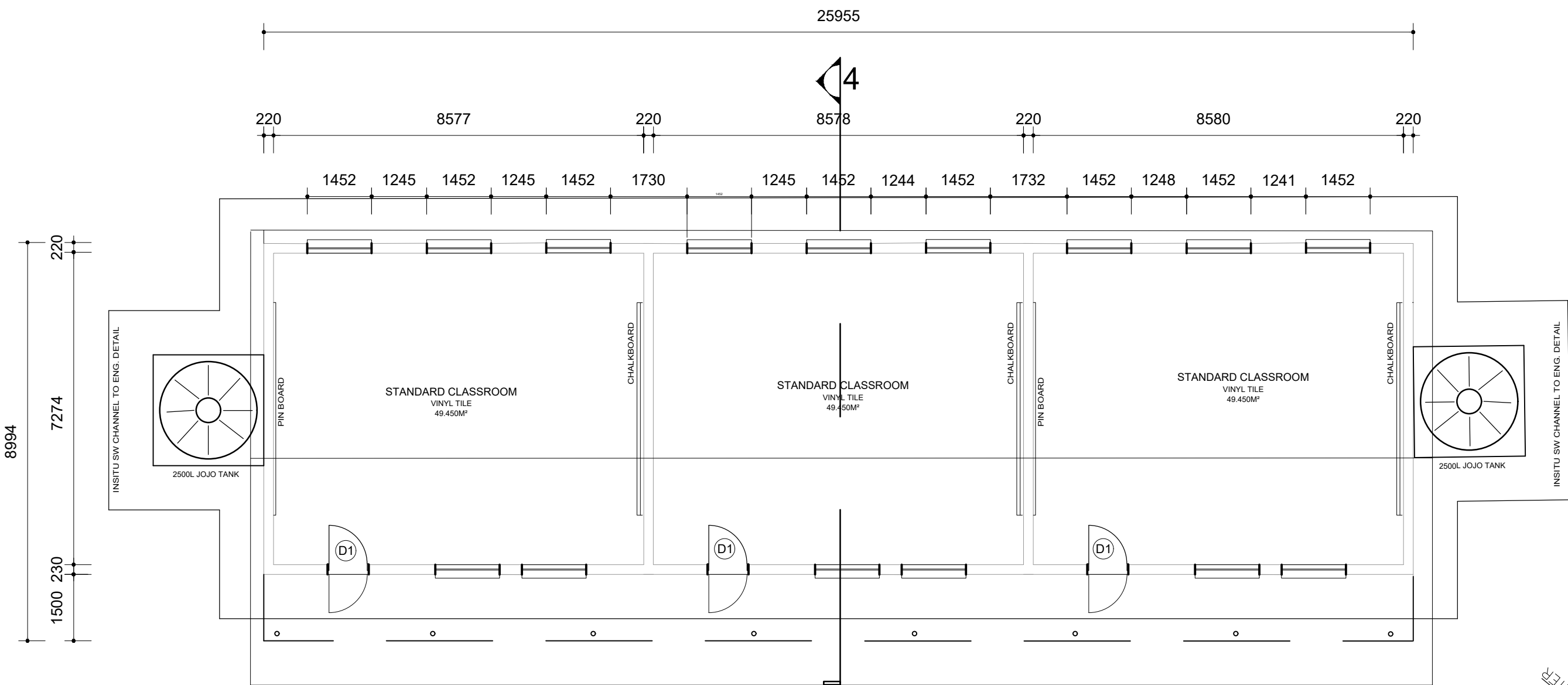
3 WEST ELEVATION  
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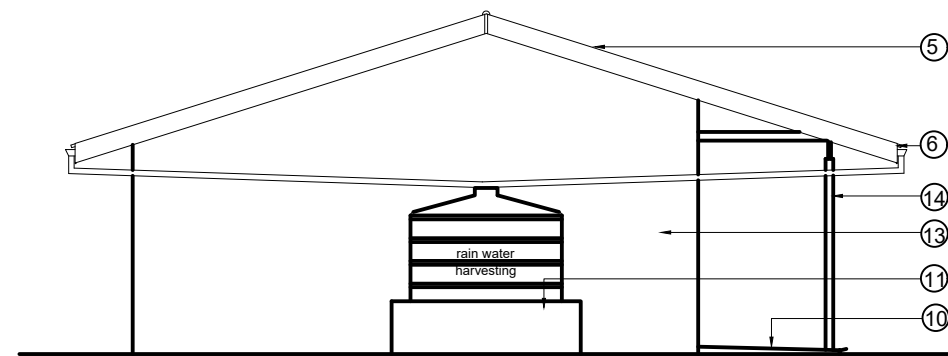
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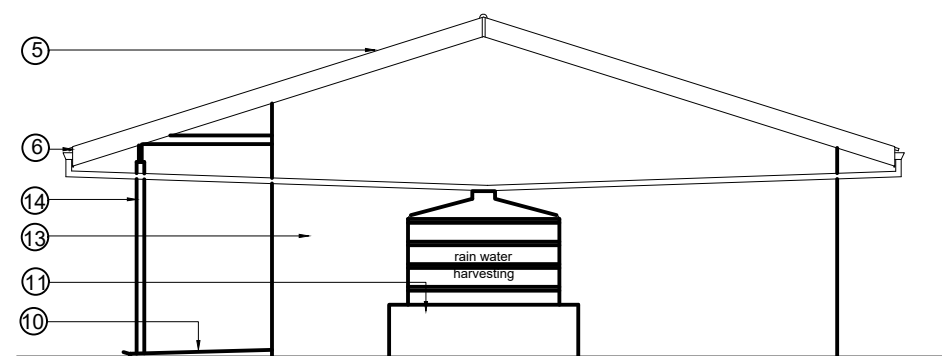
1 GROUND FLOOR PLAN  
SCALE 1:100



4 SECTION  
SCALE 1:100



5 NORTH ELEVATION  
SCALE 1:100



6 SOUTH ELEVATION  
SCALE 1:100

#### LEGEND

- Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting on timber purlins to engineers details.
- Existing timber trusses to remain with new 0.50 mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing. All sheeting is to be clearly marked on the reverse side at one metre intervals indicating thickness, material quality, coating thickness and paint system.
- Existing ceiling to be removed and replaced with Rhinoboard ceilings including brander and cornices
- Existing fascias to be removed and replaced with new fibre cement fascias.
- New nutek fibre cement barge boards to be provided at gable ends
- Replace all gutters and downpipes with new aluminium gutters and downpipes
- Remove windows and provide new windows to match existing as shown with all mechanisms as supplied by specialist supplier.
- Remove doors and provide new external solid timber door with new galvanized security gates with ironmongery by specialist supplier.
- Internal walls to be re-plastered and primed and painted.Facebrick at dado level to be acid cleaned with high pressure washer.
- Remove existing floor finish, inspect floor and allow 15 % screed to floor area ,and install new floor finish.
- Rain water harvesting tank on concrete plinth to engineer's detail and specifications
- Dilapidated sanitary-ware to be replaced with new fittings to match existing
- All external walls with facebrick finish to be acid cleaned with high pressure washer.
- New 1000 GMS support posts with beam over to support roof above to match existing All to Engineers detail.

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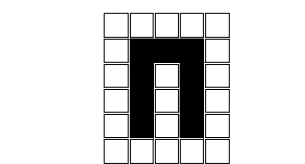
DBSA

Civpro  
Engineering Joint Venture

education  
Department:  
Education  
PROVINCE OF KWAZULU-NATAL

discipline  
ARCHITECTURAL

service



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architects, interior & urban designers  
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SACAP NO. : 6012

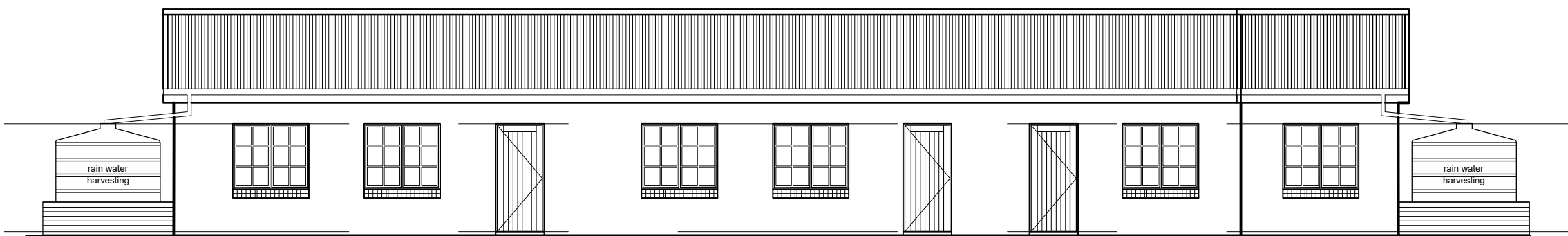
drawing title  
KZN D.O.E. INFRASTRUCTURE  
DEVELOPMENT AND MAINTENANCE  
PROGRAMME

KHAMANGWA HIGH SCHOOL  
EXISTING BLOCK G  
PLAN, SECTION, ELEVATION

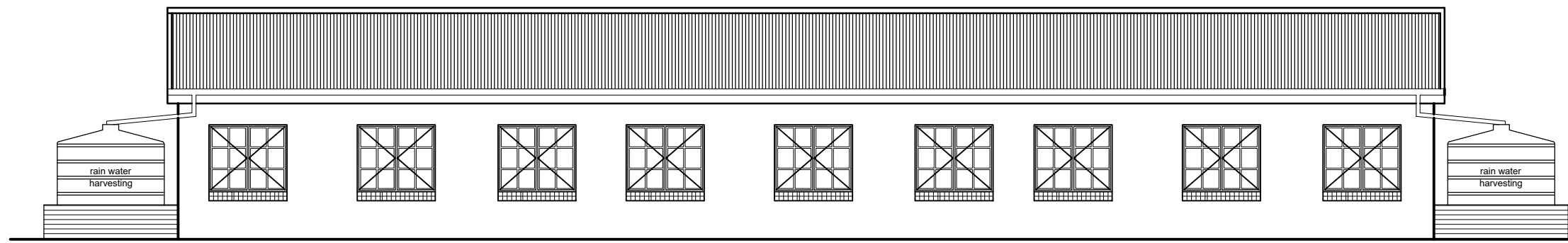
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1120.19-KHA1-GA-2004

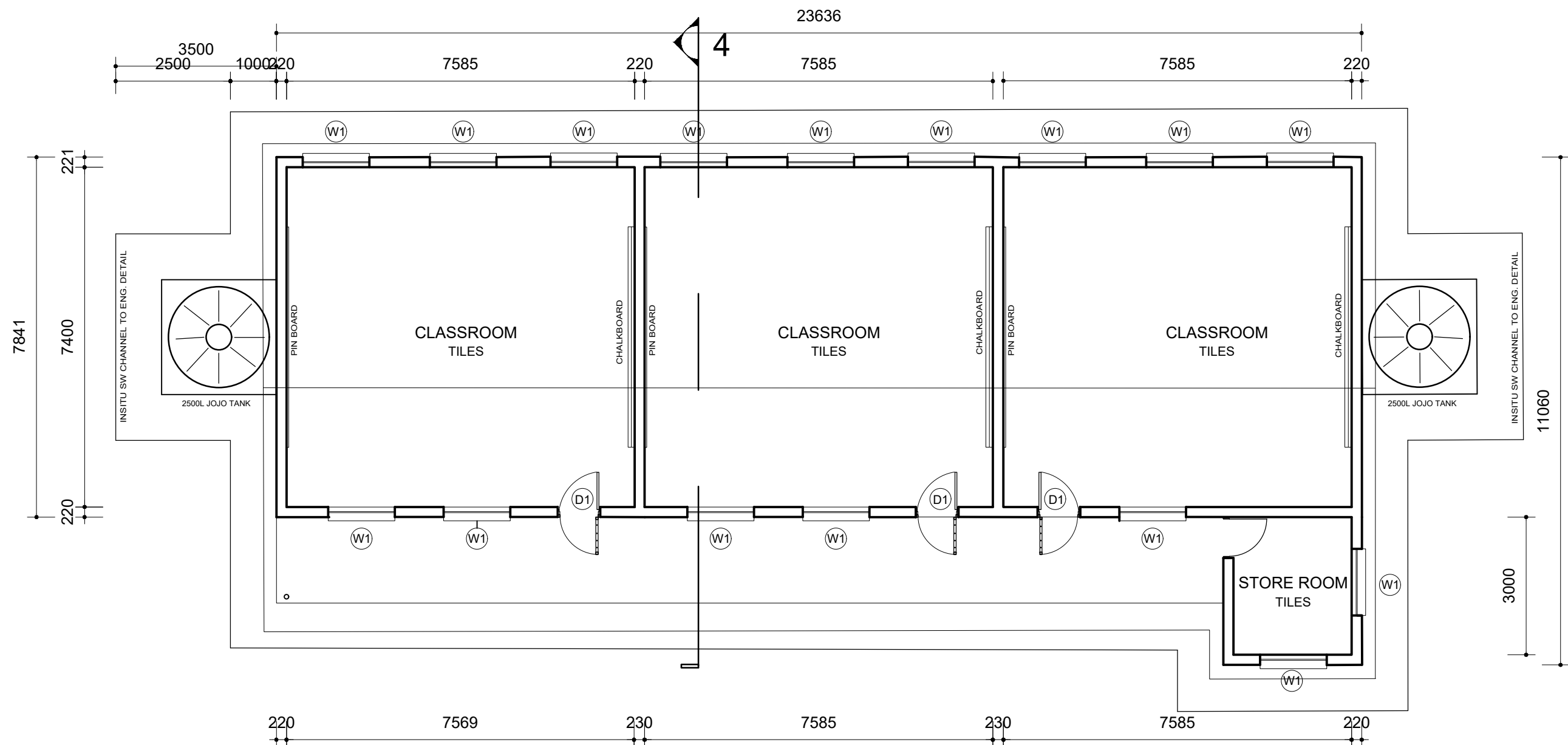




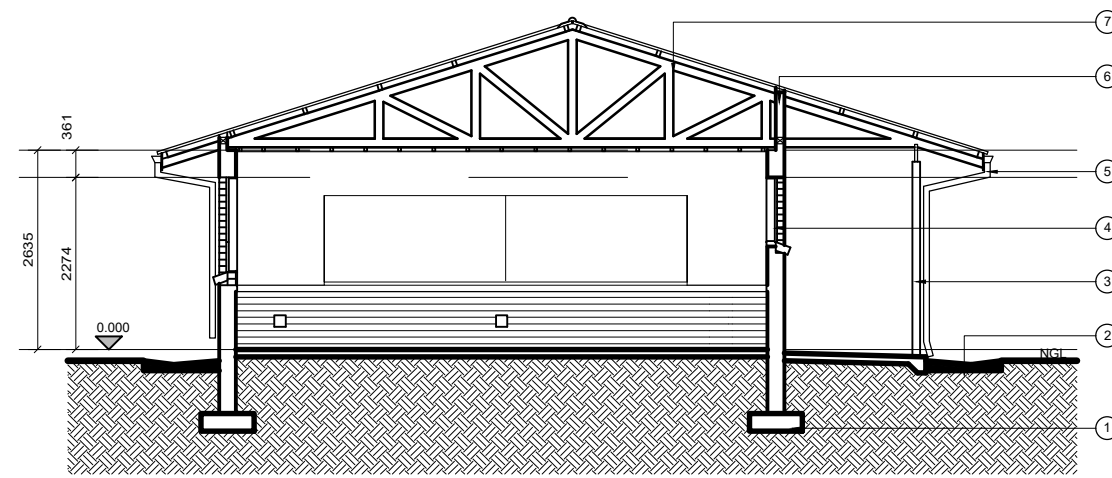
3 EAST ELEVATION  
SCALE 1:100



2 WEST ELEVATION  
SCALE 1:100

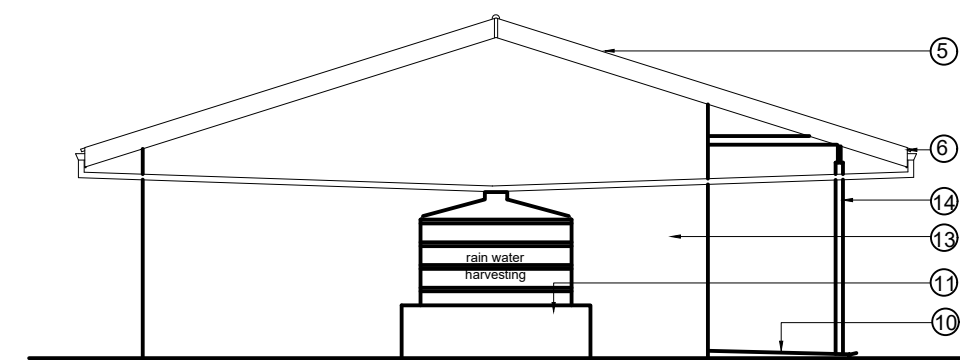
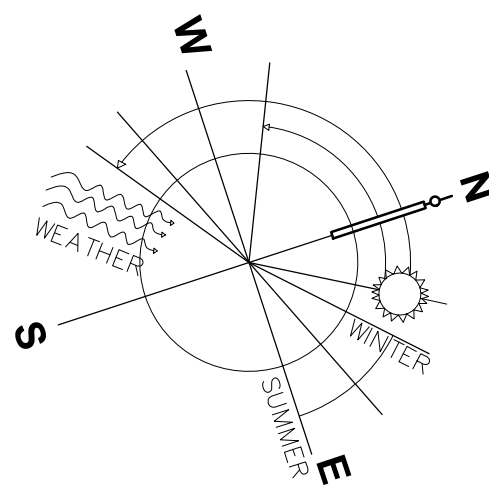


1 GROUND FLOOR PLAN  
SCALE 1:100

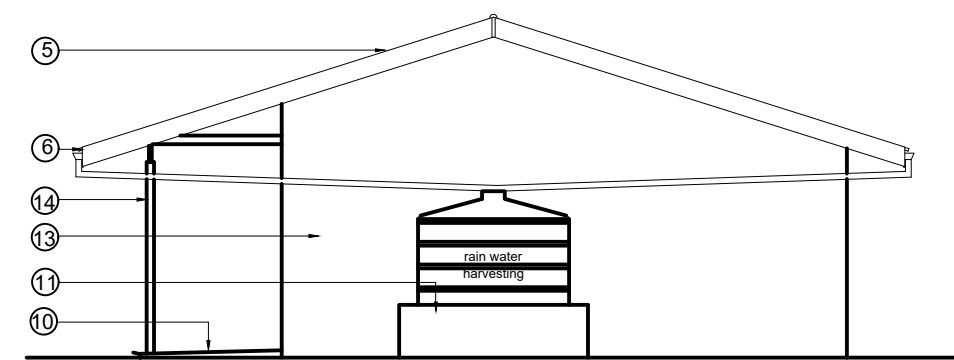


4 SECTION  
SCALE 1:100

 D1 = 5	EXTERNAL DOOR	2032 x 813 x 44mm SOLID CORE MERANTI HARDWOOD PANEL DOOR WITH COMMERCIAL VENEER
	DOOR FINISH	PRIMED, UNDERCOAT AND TWO COATS GLOSS ENAMEL
	FRAME	STANDARD 1.2mm DOUBLE RESATED GALVANISED PRESSED METAL FRAME FOR 115mm WALL COMPLETE WITH STRAPS FOR BUILDING IN 2x100mm GALVANISED AND WELDED LOOSE PIN HINGES, ADJUST, CHROME PLATED STRIKING PLATE
	FRAME FINISH	GALVANISED NO PAINTING REQUIRED
	FURNITURE	SOLID ART 38013 X LEVER MORTICE LOCKSET AND SATIN CHROME PLATED HANDLES, 38mm DIAMETER DOOR STOP PLUGGED AND SCREWED TO FLOOR WITH A 50mm LONG BRASS SCREW



5 SOUTH ELEVATION  
SCALE 1:100



6 NORTH ELEVATION  
SCALE 1:100

#### LEGEND

- Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting on timber purlins to engineers details.
- Existing timber trusses to remain with new 0.50 mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing. All sheeting is to be clearly marked on the reverse side at one metre intervals indicating thickness, material quality, coating thickness and paint system.
- Existing ceiling to be removed and replaced with Rhinoboard ceilings including brander and cornices
- Existing fascias to be removed and replaced with new fibre cement fascias.
- New nutek fibre cement barge boards to be provided at gable ends
- Replace all gutters and downpipes with new aluminium gutters and downpipes
- Remove windows and provide new windows to match existing as shown with all mechanisms as supplied by specialist supplier.
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- Internal walls to be re-plastered and primed and painted.Facebrick at dado level to be acid cleaned with high pressure washer.
- Remove existing floor finish, inspect floor and allow 15 % screed to floor area ,and install new floor finish.
- Rain water harvesting tank on concrete plinth to engineer's detail and specifications
- Dilapidated sanitary-ware to be replaced with new fittings to match existing
- All external walls with facebrick finish to be acid cleaned with high pressure washer.
- New 100Ø GMS support posts with beam over to support roof above to match existing All to Engineers detail.

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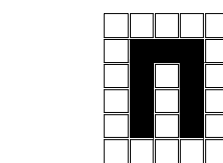
DBSA

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discipline ARCHITECTURAL

service



archiTRONIC  
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phone : +27(31) 201 3533  
fax : +27(31) 201 3930  
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SACAP NO. : 6012

drawing title

KZN D.O.E. INFRASTRUCTURE  
DEVELOPMENT AND MAINTENANCE  
PROGRAMME

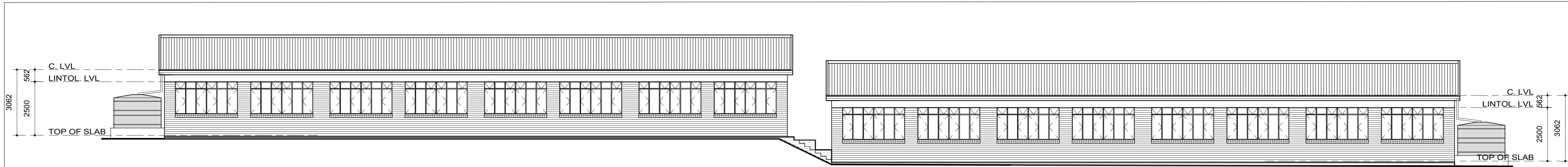
KHAMANGWA HIGH SCHOOL

EXISTING BLOCK B  
PLAN, SECTION, ELEVATION

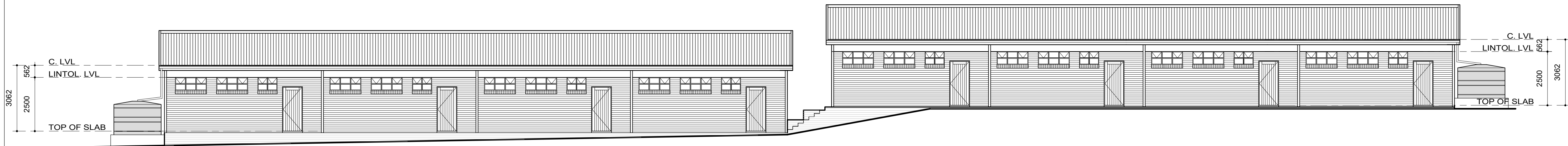
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1120.19-KHA1-GA-2003

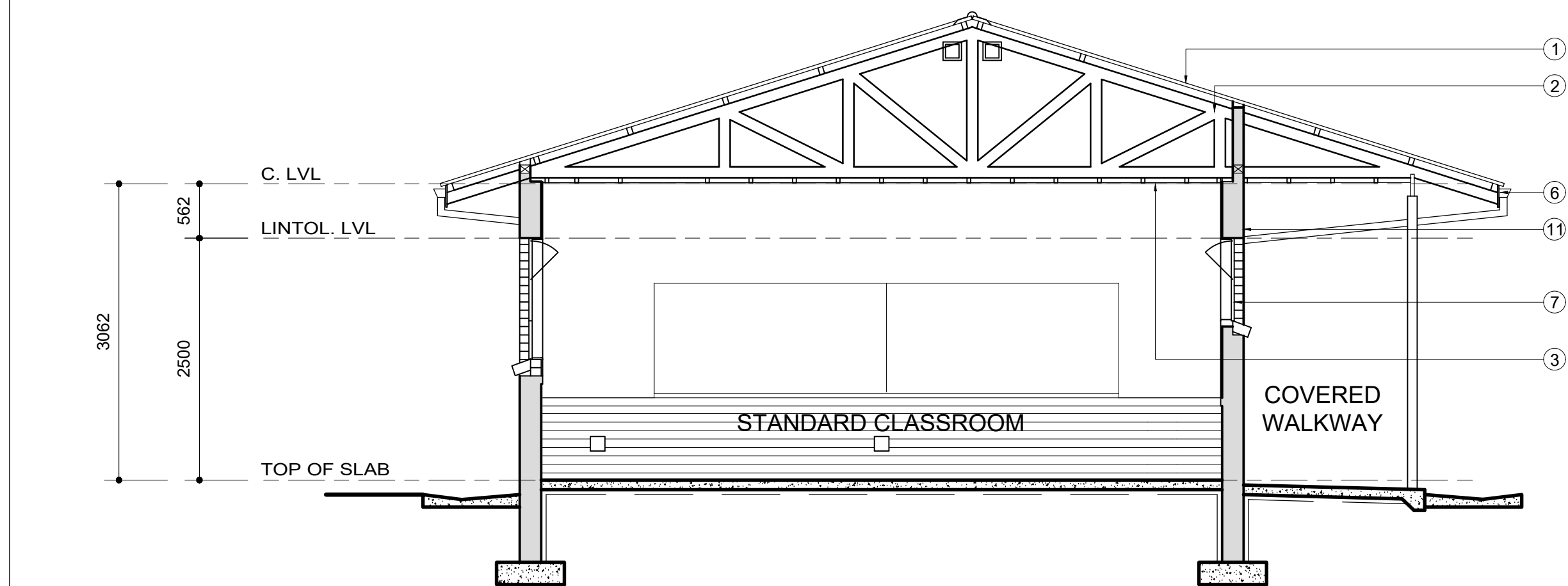




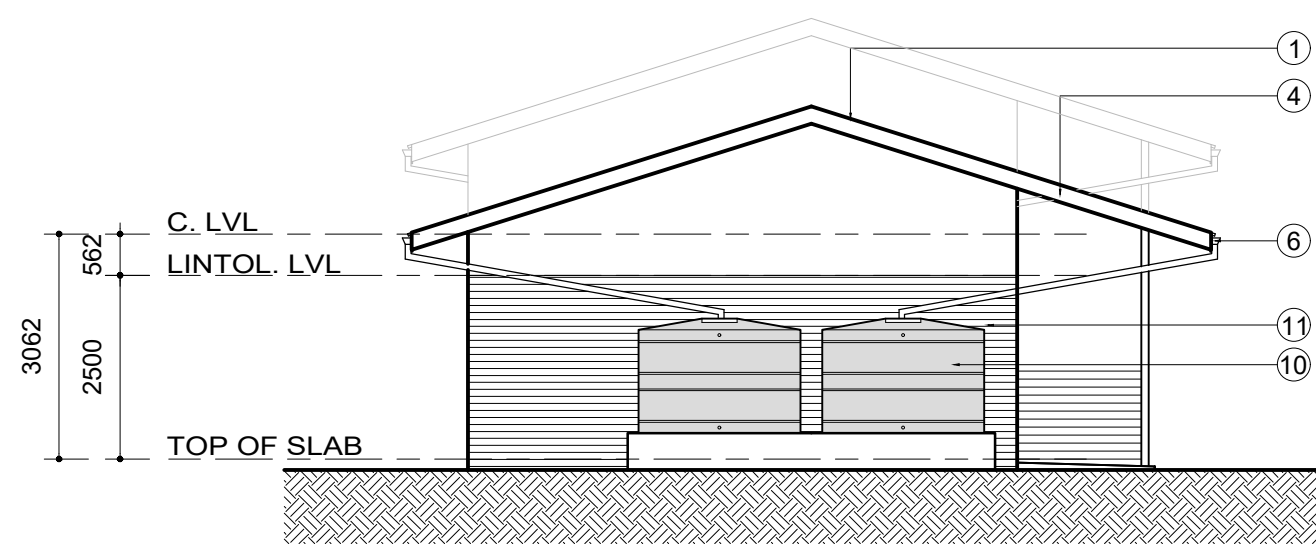
4 WEST ELEVATION  
SCALE 1:100



3 EAST ELEVATION  
SCALE 1:100



2 SECTION  
SCALE 1:50



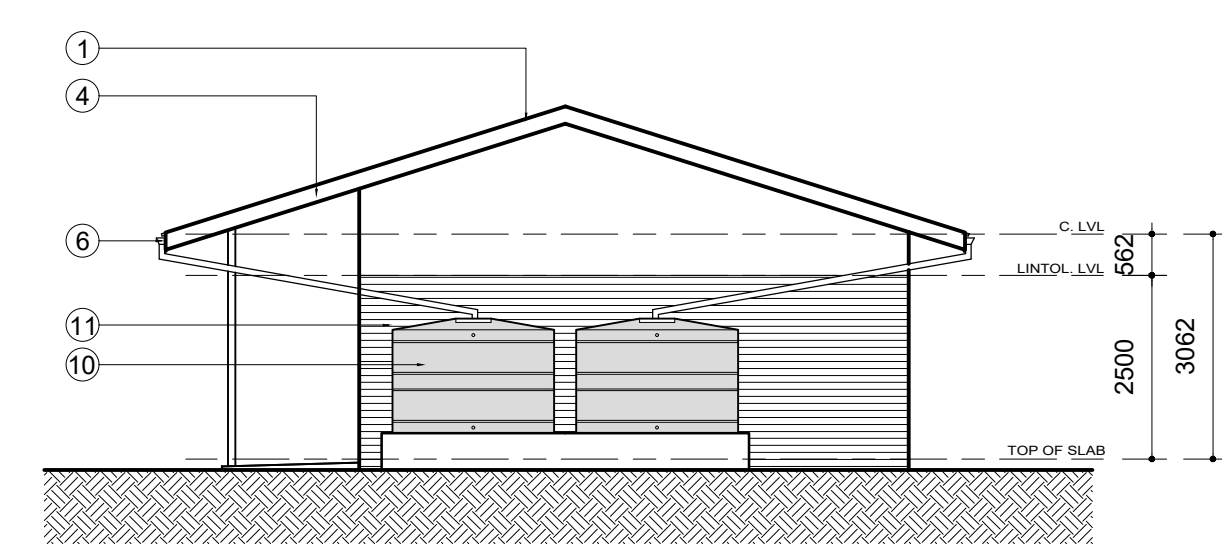
5 SOUTH ELEVATION  
SCALE 1:100

LEGEND

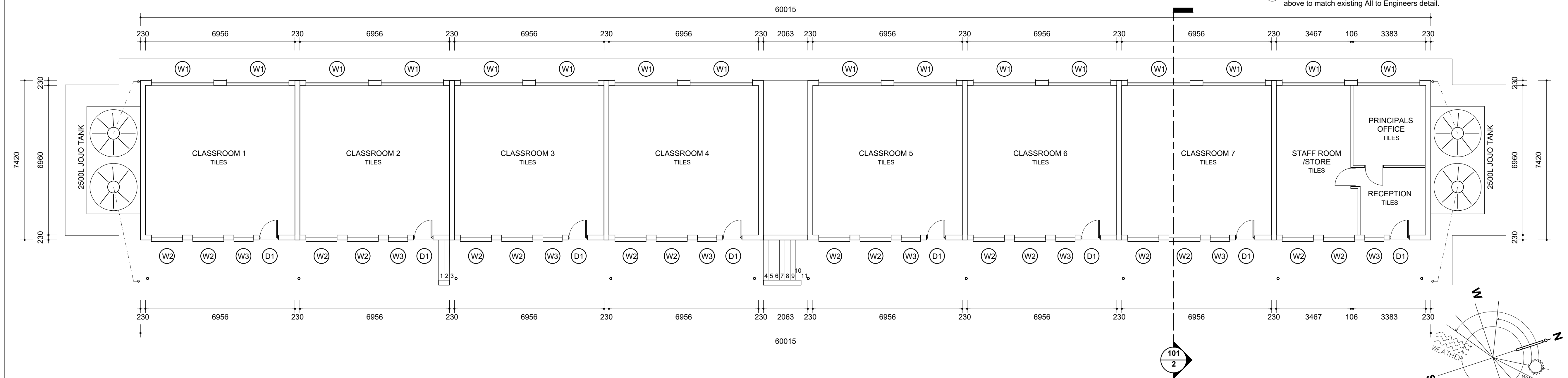
- Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting on timber purlins to engineers details.
- Existing timber trusses to remain with new 0.50 mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing. All sheeting is to be clearly marked on the reverse side at one metre intervals indicating thickness, material quality, coating thickness and paint system.
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- Remove existing floor finish, inspect floor and allow 15 % screed to floor area, and install new floor finish.
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- Dilapidated sanitary-ware to be replaced with new fittings to match existing
- All external walls with facebrick finish to be acid cleaned with high pressure washer.
- New 1000 GMS support posts with beam over to support roof above to match existing All to Engineers detail.



6 NORTH ELEVATION  
SCALE 1:100



1 GROUND FLOOR PLAN  
SCALE 1:100

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DBSA



discipline ARCHITECTURAL  
service



drawing title  
KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME

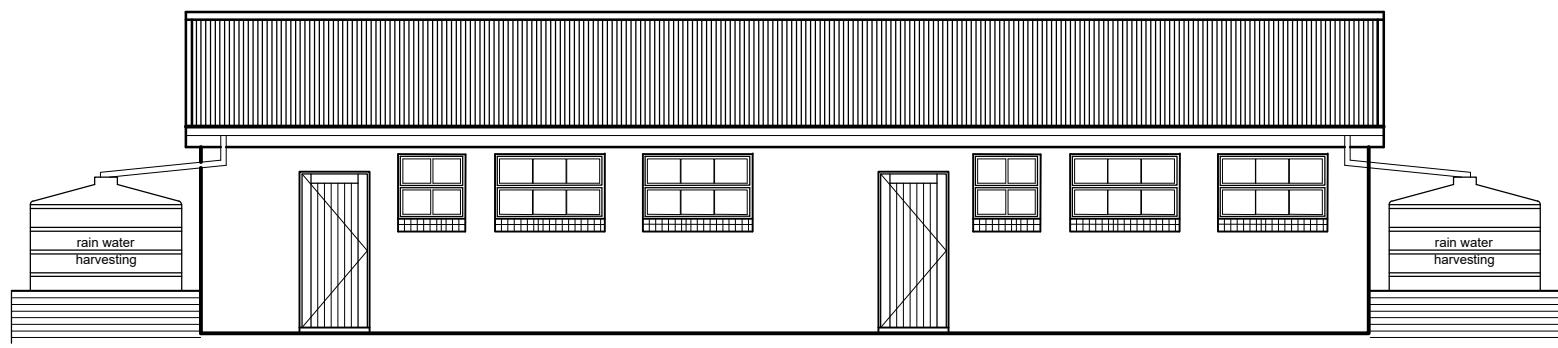
KHAMANGWA HIGH SCHOOL  
EXISTING BLOCK H & F  
PLAN, SECTION, ELEVATION

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1120.19-KHA1-GA-2002

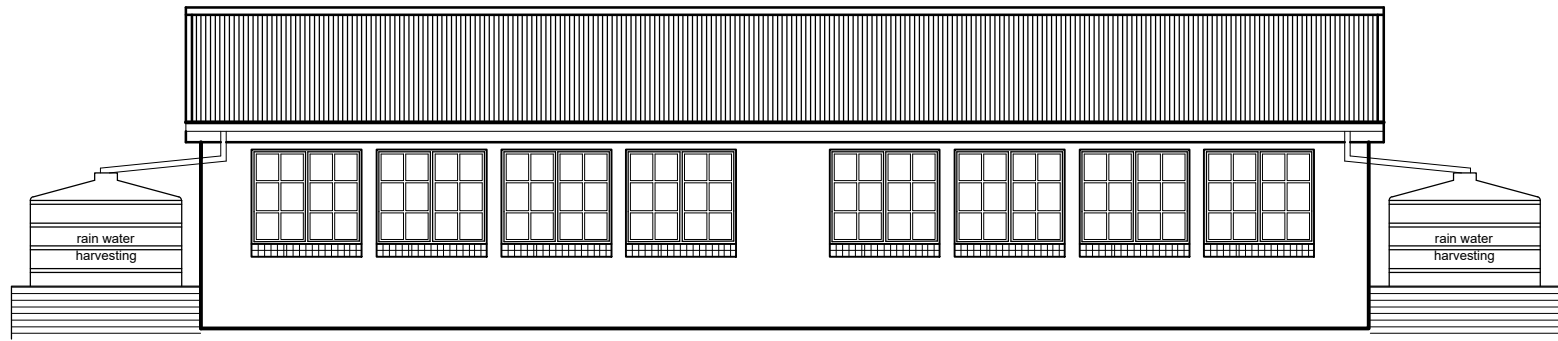
3 WEST ELEVATION

SCALE 1:100



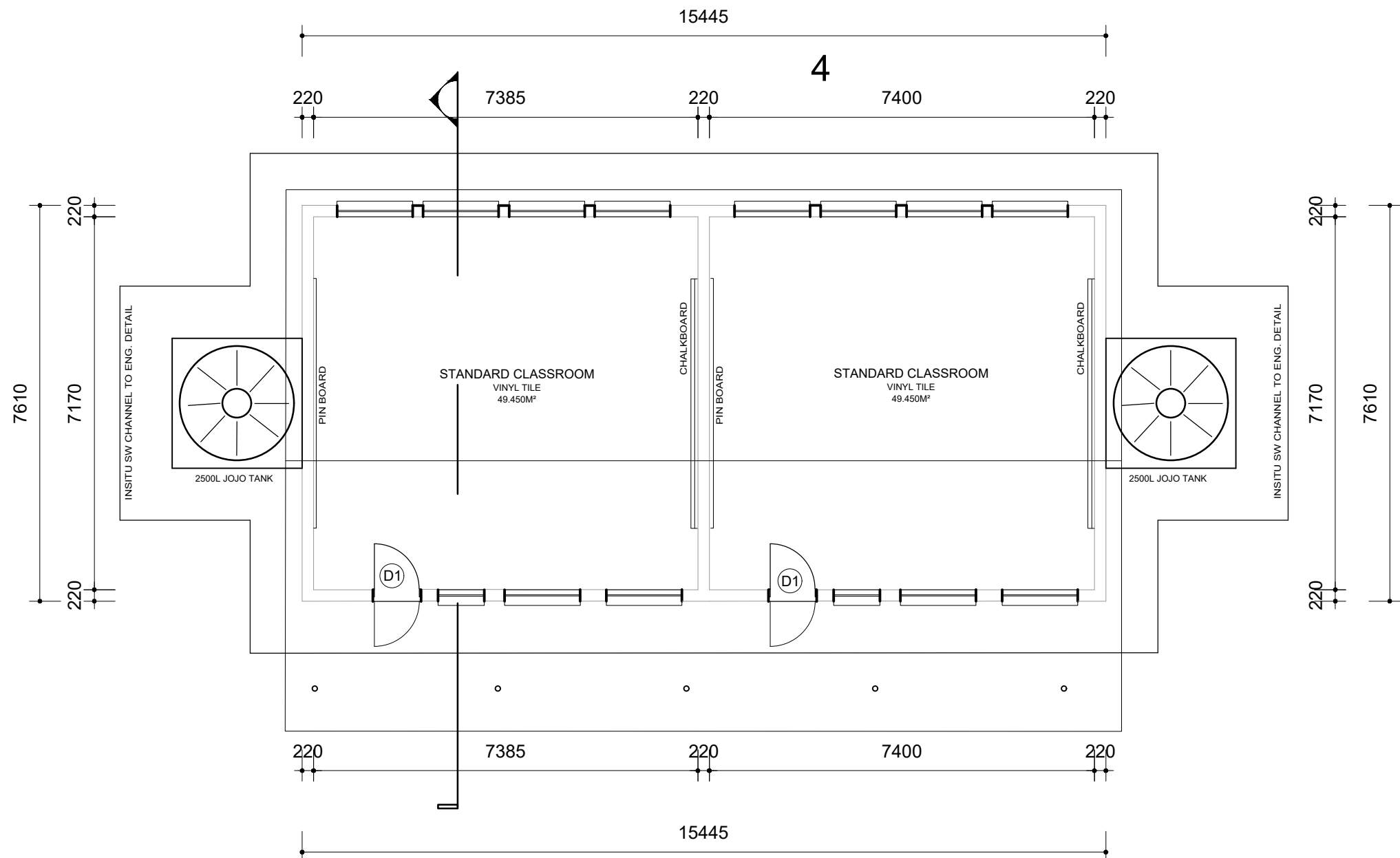
2 EAST ELEVATION

SCALE 1:100



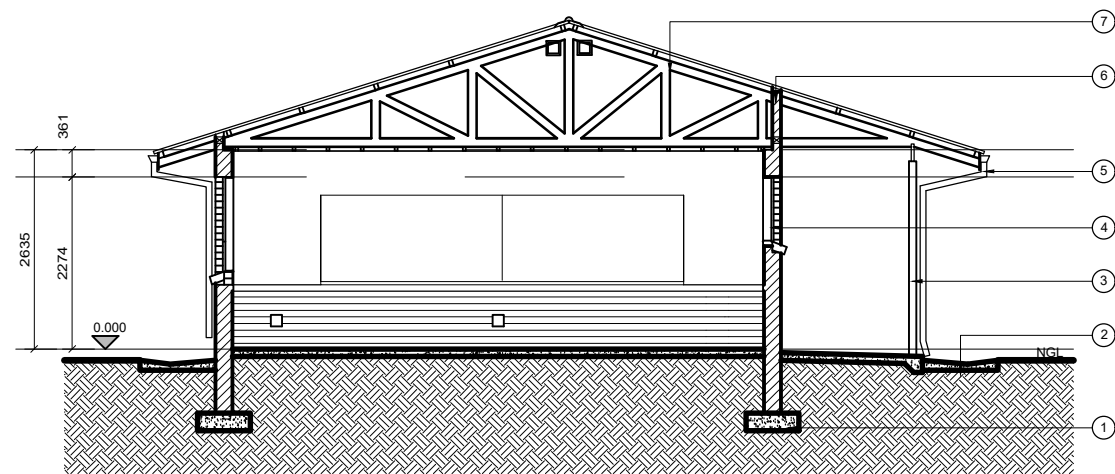
1 GROUND FLOOR PLAN

SCALE 1:100



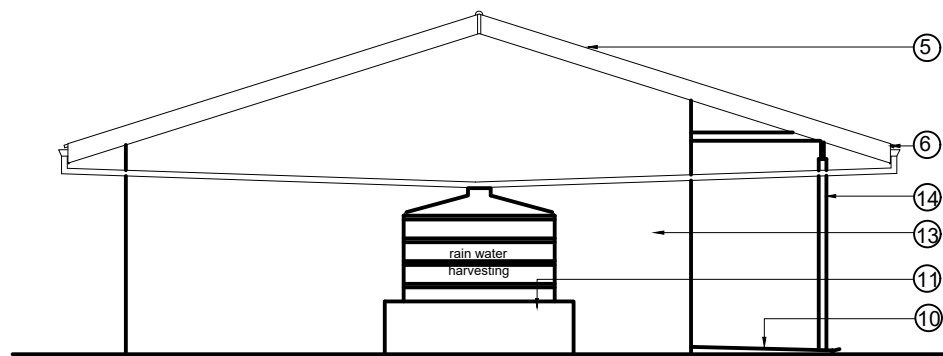
4 SECTION

SCALE 1:100



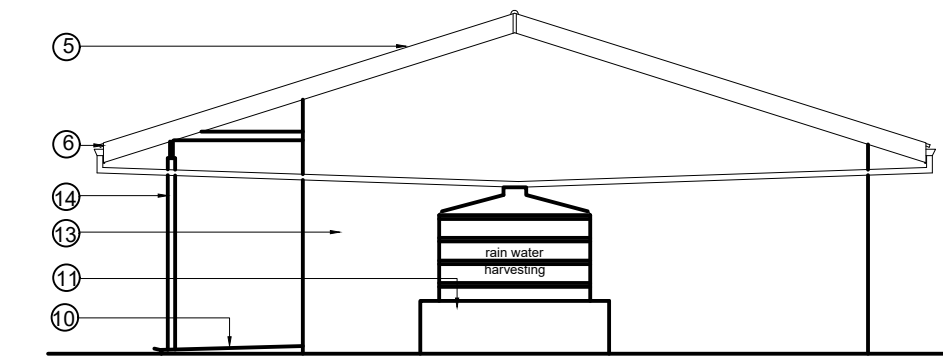
5 NORTH ELEVATION

SCALE 1:100



6 SOUTH ELEVATION

SCALE 1:100



LEGEND

- Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting on timber purlins to engineers details.
- Existing timber trusses to remain with new 0.50 mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® finish on one side and protective primer coating on the reverse side fixed to timber purlins with equal spacing. All sheeting is to be clearly marked on the reverse side at one metre intervals indicating thickness, material quality, coating thickness and paint system.
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- Remove windows and provide new windows to match existing as shown with all mechanisms as supplied by specialist supplier.
- Remove doors and provide new external solid timber door with new galvanized security gates with ironmongery by specialist supplier.
- Internal walls to be re-plastered and primed and painted.Facebrick at dado level to be acid cleaned with high pressure washer.
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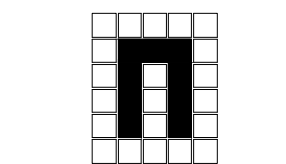
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project manager

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e-mail : ravis@architronic.co.za

SACAP NO. : 6012

drawing title

KZN D.O.E. INFRASTRUCTURE  
DEVELOPMENT AND MAINTENANCE  
PROGRAMME

KHAMANGWA HIGH SCHOOL

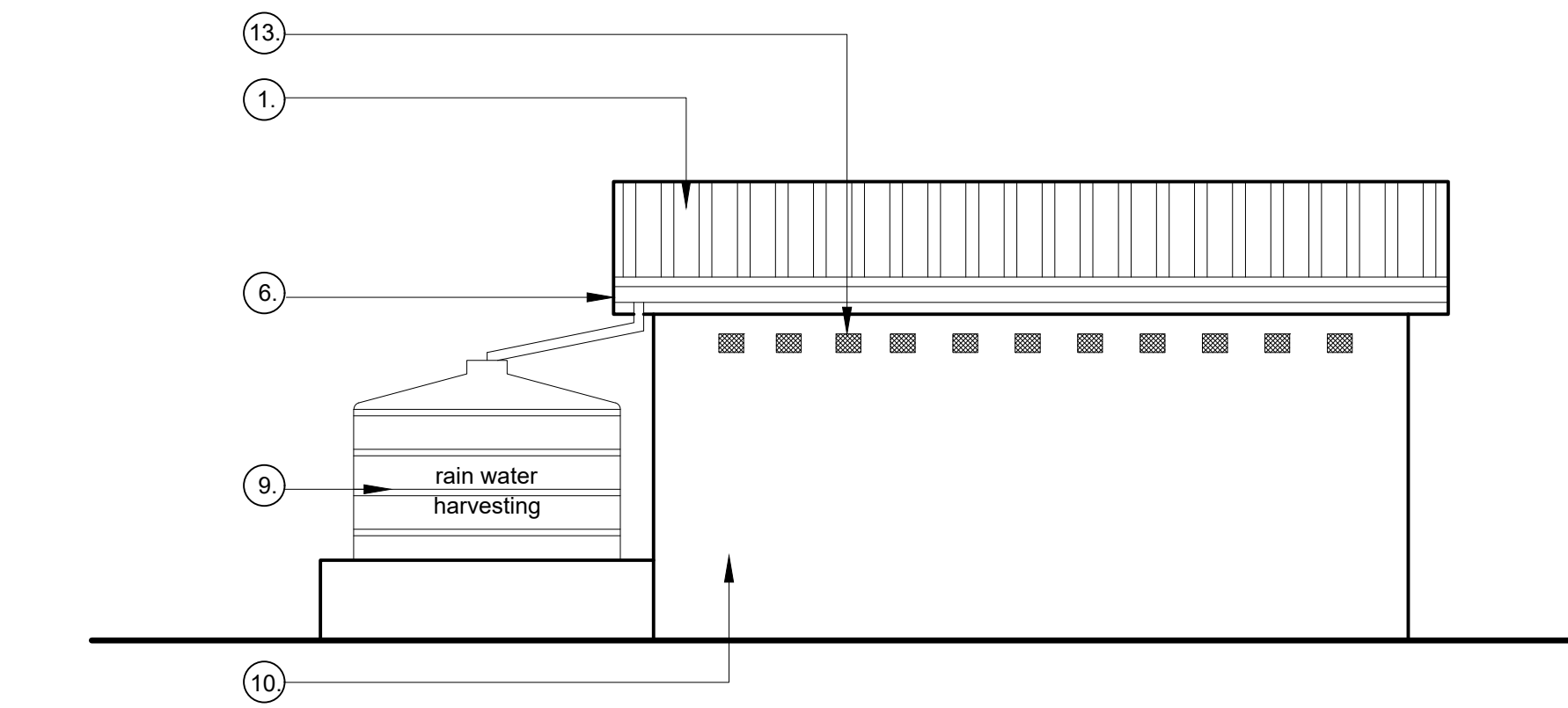
EXISTING BLOCK D

PLAN, SECTION, ELEVATION

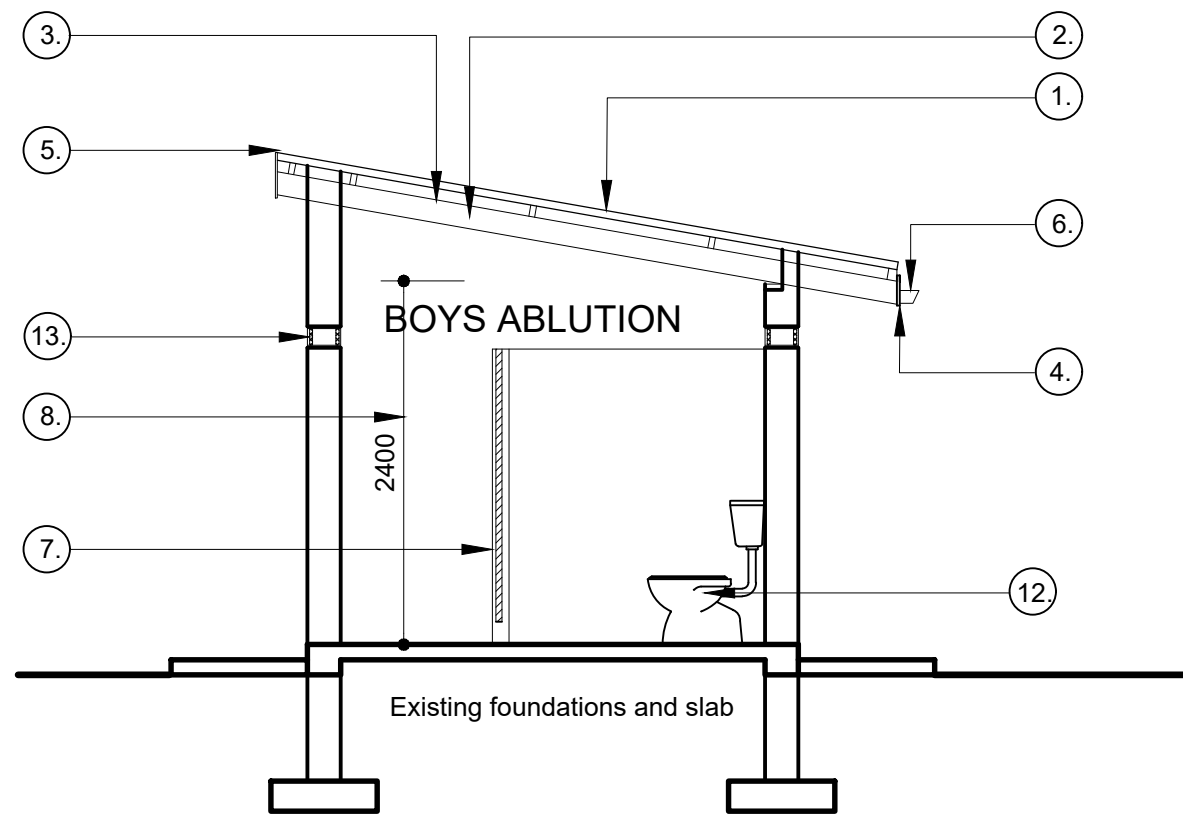
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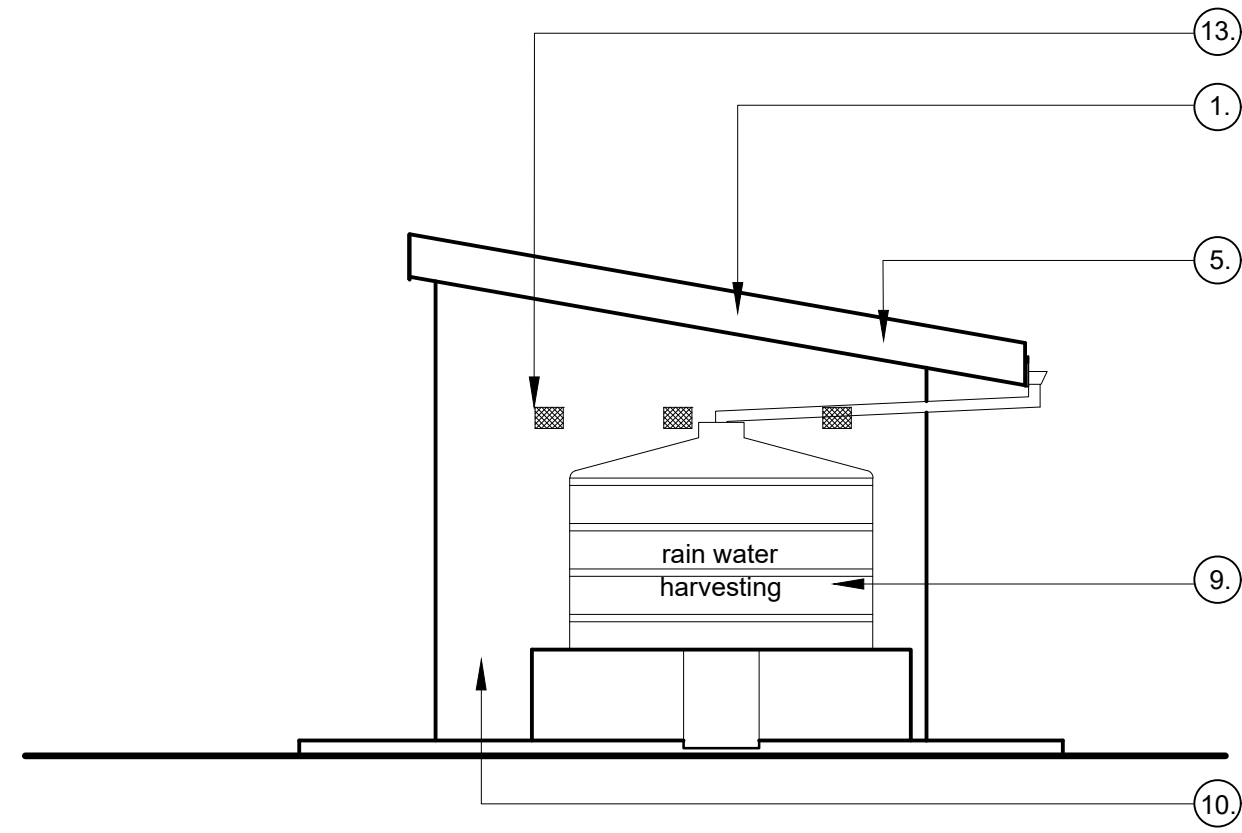




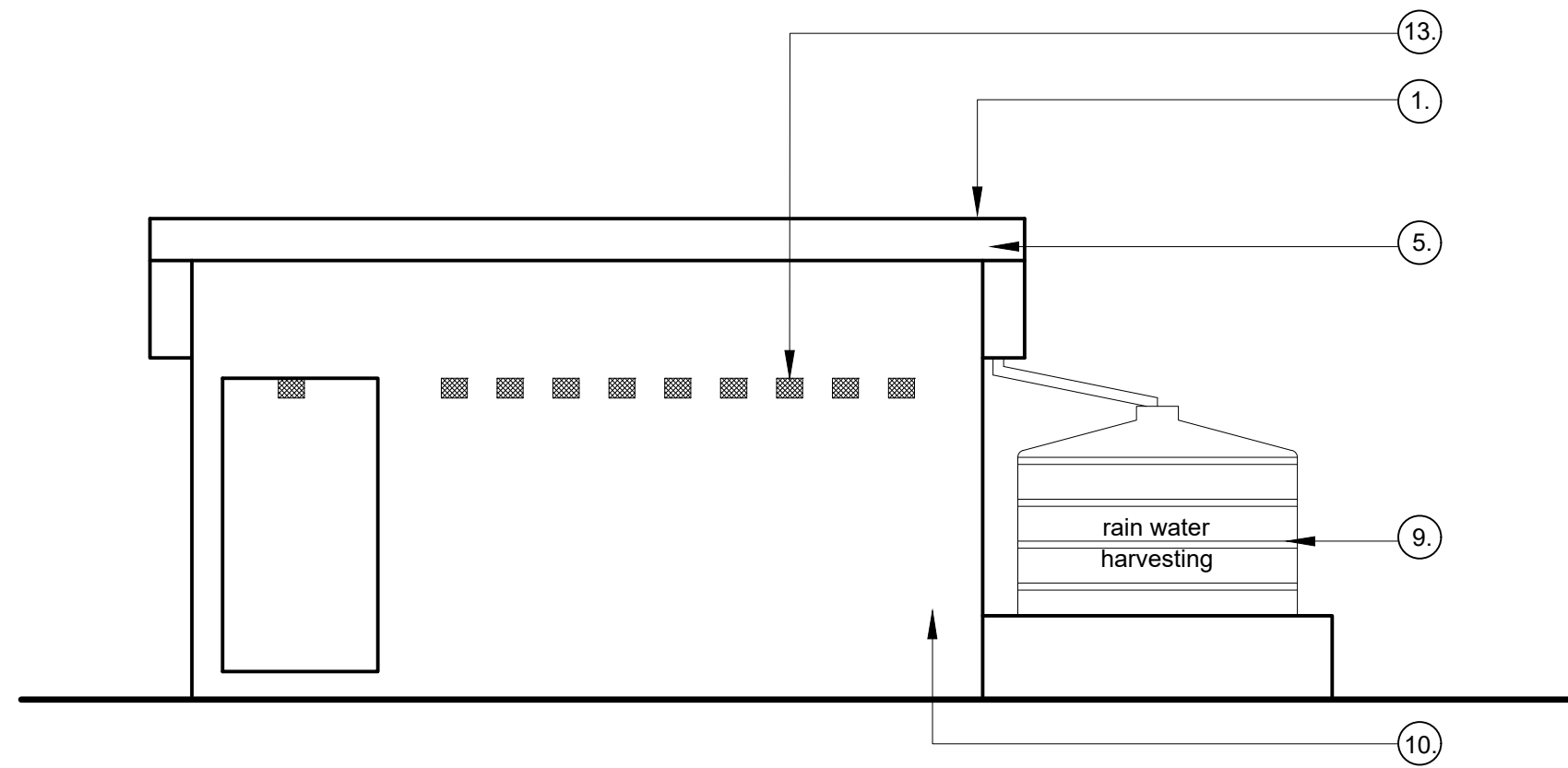
3 REAR ELEVATION  
SCALE 1:50



4 SECTION  
SCALE 1:50



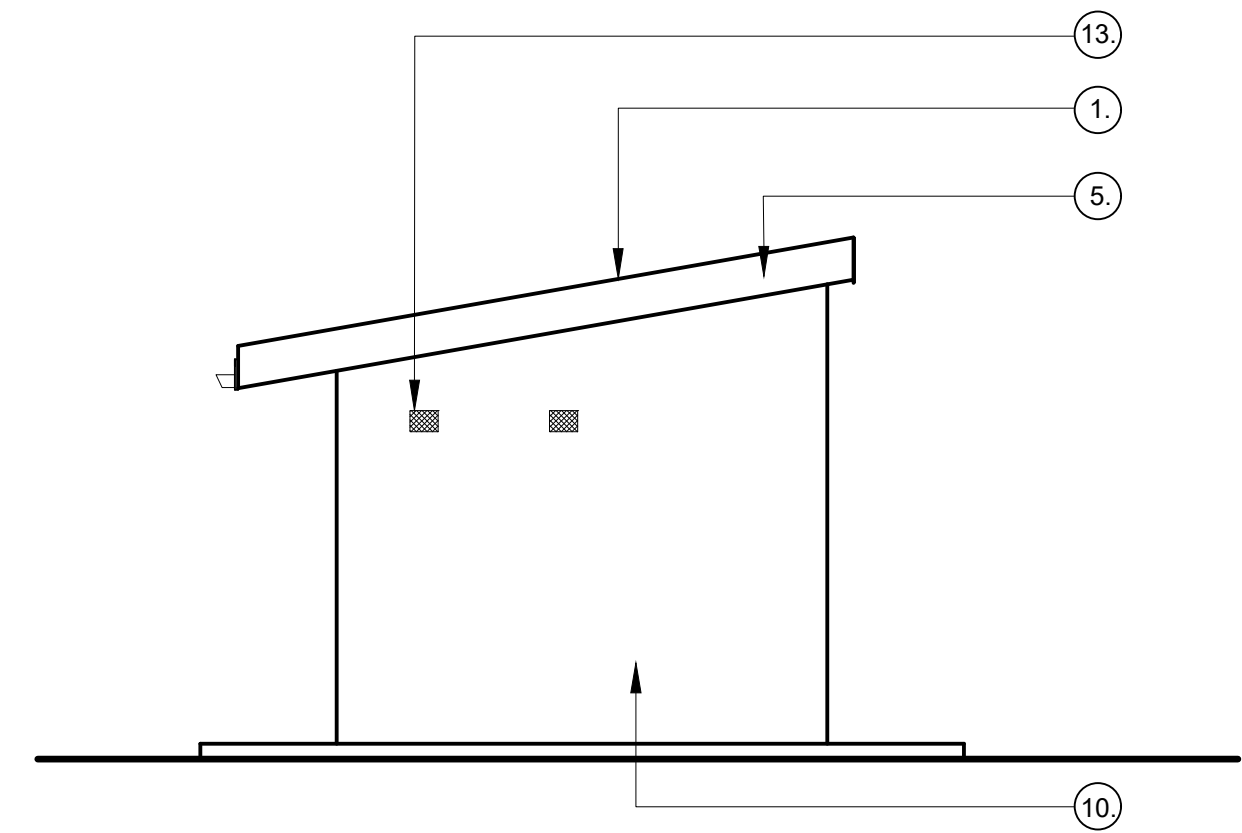
5 SIDE ELEVATION  
SCALE 1:50



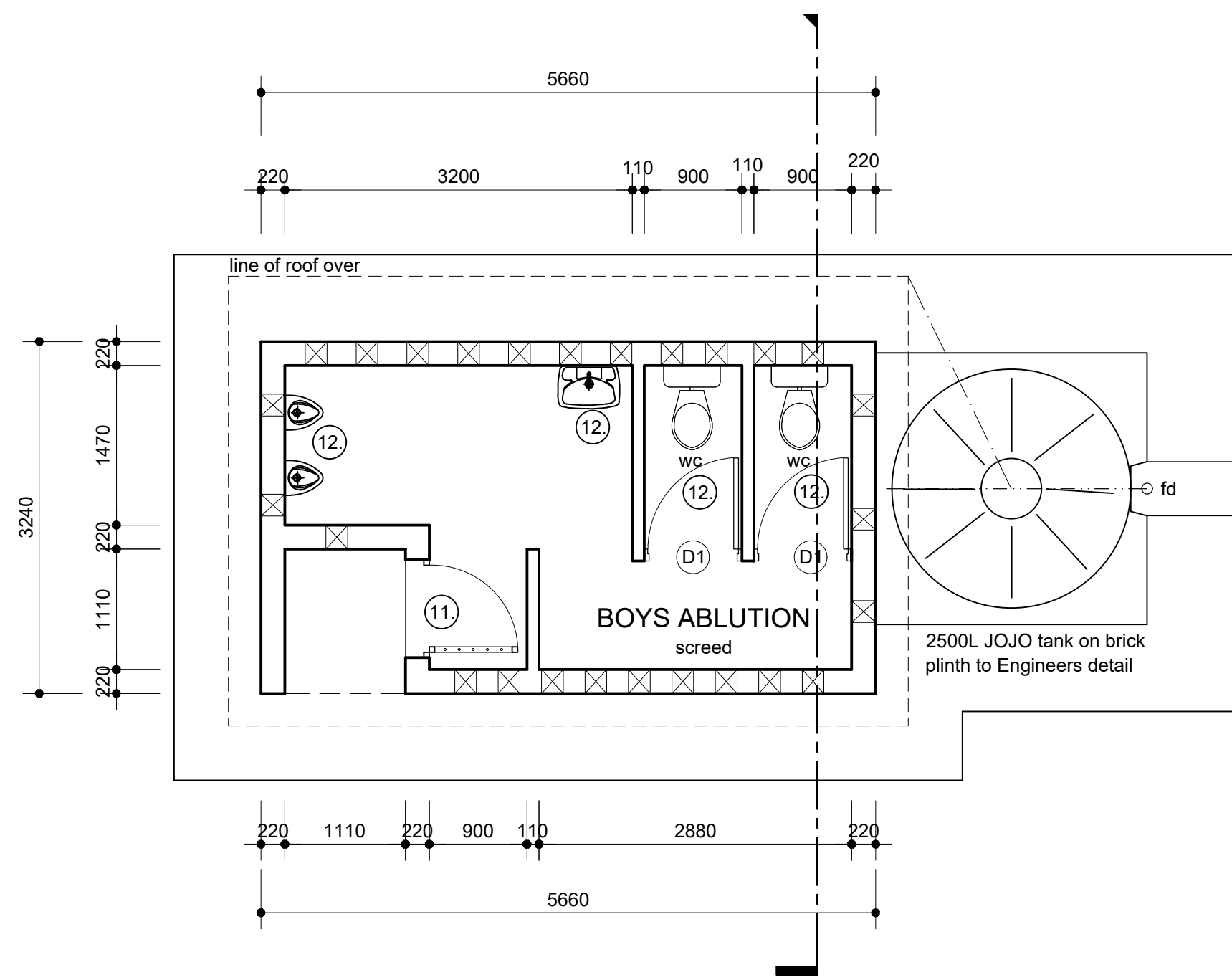
2 FRONT ELEVATION  
SCALE 1:50

#### LEGEND

- Existing sheeted roof to remain. To be high pressure cleaned.
- Existing timber rafters and purlins to remain.
- Existing ceiling to be rubbed down and painted.
- Existing fibre cement fascias to be remain and to be rubbed down and painted.
- Fibre cement barge boards to be remain and to be rubbed down and painted.
- Replace gutters and downpipes with new aluminium gutters and downpipes
- Remove all internal toilet partition doors and provide new timber doors with ironmongery by specialist supplier.
- Internal walls to be rubbed down, cleaned, primed and painted.
- New rain water harvesting tank on concrete plinth to engineer's detail and specifications
- All external walls with to be rubbed down and painted with 1 coat primer and two coats external quality pva paint.
- Refurbish existing gate and provide new ironmongery.
- Remove all sanitary fittings and provide new.
- All airvents to be cleaned of all dust and painted with external quality pva paint.



6 SIDE ELEVATION  
SCALE 1:50

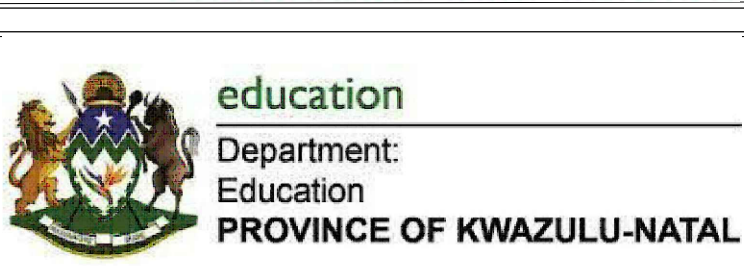


1 PLAN  
SCALE 1:50

#### INTERNAL DOOR SCHEDULE

	INTERNAL CUBICAL DOOR	2032 x 813 x 44mm HOLLOW CORE HARDWOOD PANEL DOOR WITH COMMERCIAL VENEER
	DOOR FINISH	PRIMED, UNDERCOAT AND TWO COATS GLOSS ENAMEL
	FRAME	STANDARD 1.2mm DOUBLE REBATED GALVANISED PRESSED METAL FRAME FOR 115mm WALL COMPLETE WITH STRAPS FOR BUILDING IN, 2x100mm GALVANISED AND WELDED LOOSE PIN HINGES, ADJUST. CHROME PLATED STRIKING PLATE
	FRAME FINISH	GALVANISED NO PAINTING REQUIRED
	FURNITURE	SOLID ART 390/313 4 LEVER MORTICE LOCKSET AND SATIN CHROME PLATED HANDLES. 38mm DIAMETER DOOR STOP PLUGGED AND SCREWED TO FLOOR WITH A 50mm LONG BRASS SCREW

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discipline

ARCHITECTURAL

service



archiTRONIC

architect, interior design, landscape  
project management

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SACAP NO. : 6012

drawing title

KZN D.O.E. INFRASTRUCTURE  
DEVELOPMENT AND MAINTENANCE  
PROGRAMME

KHAMANGWA HIGH SCHOOL

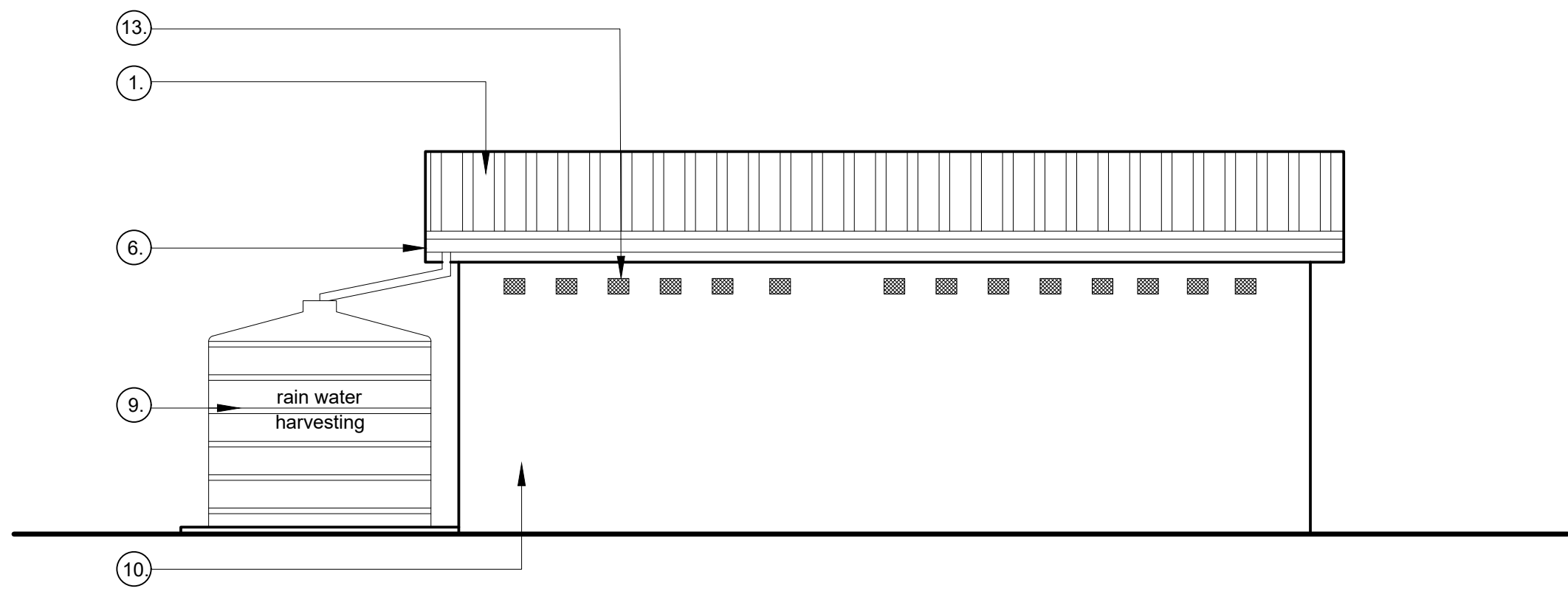
EXISTING BLOCK  
TYPICAL MALE ABLUTION (2 CUBICLE)  
PLAN, SECTION, ELEVATION

ref.no.	000000	designed	000000
scale	AS INDICATED	drawn	KB
date	MAY 2019	checked	LC

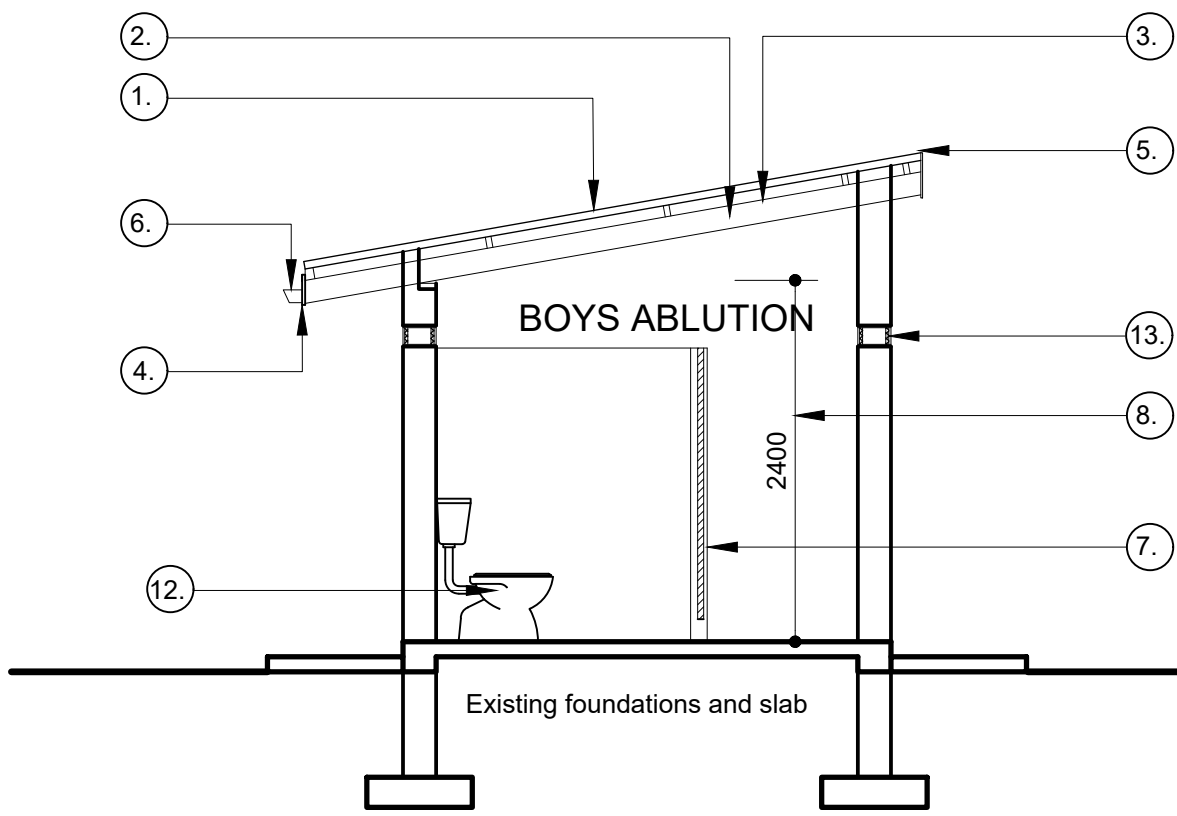
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REV

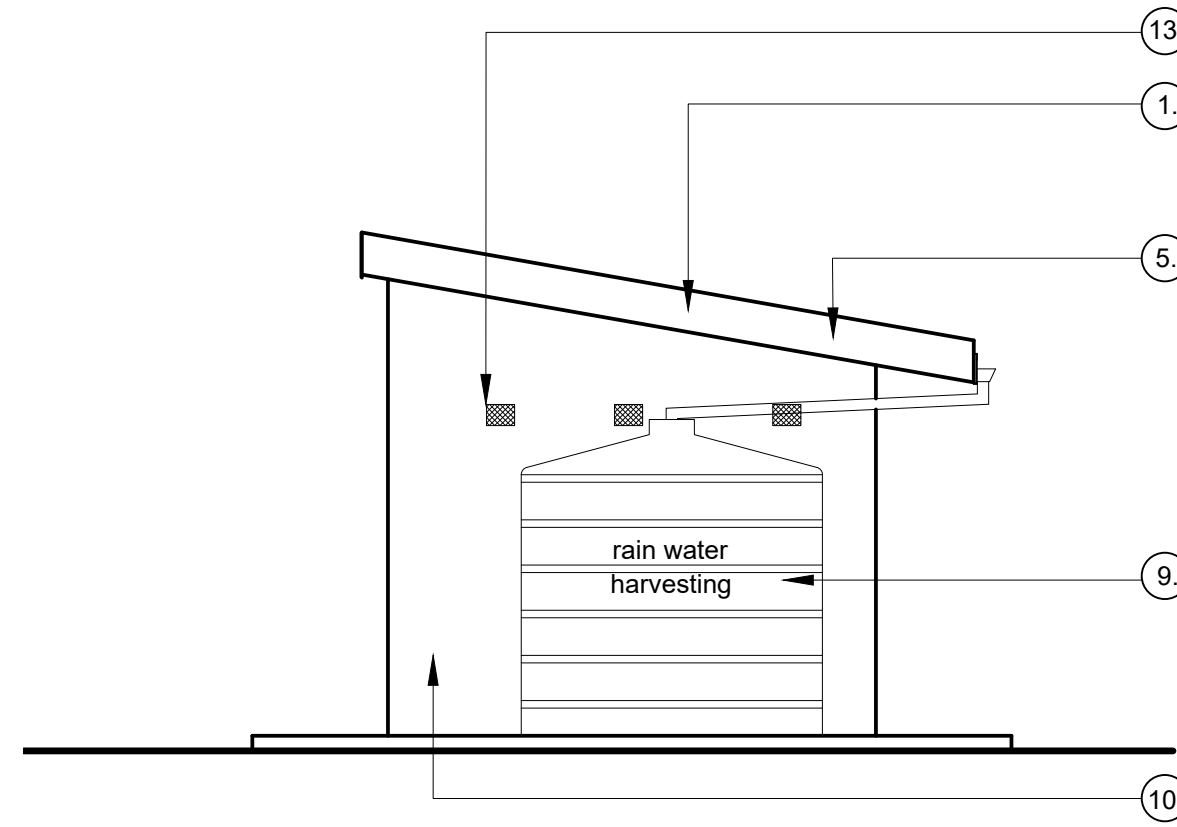
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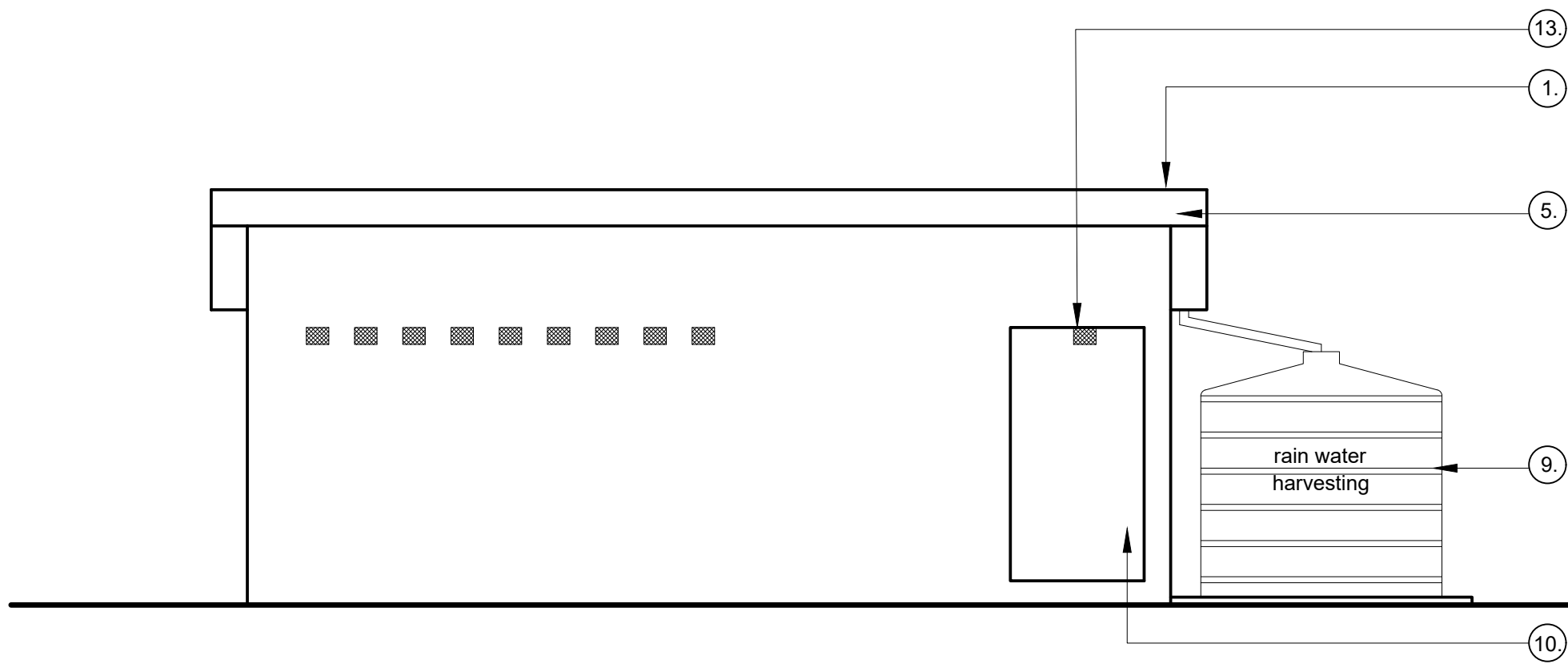
3 REAR ELEVATION.  
SCALE 1:50



4 SECTION.  
SCALE 1:50



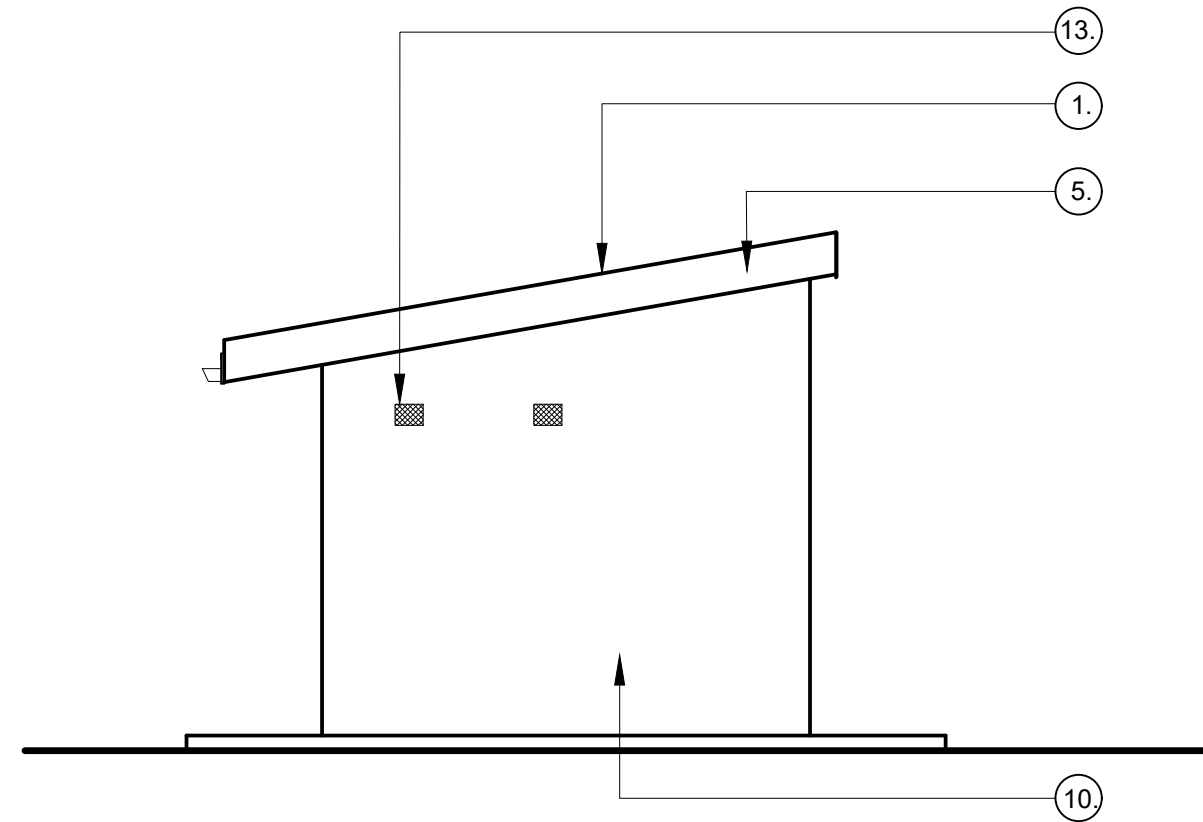
5 SIDE ELEVATION.  
SCALE 1:50



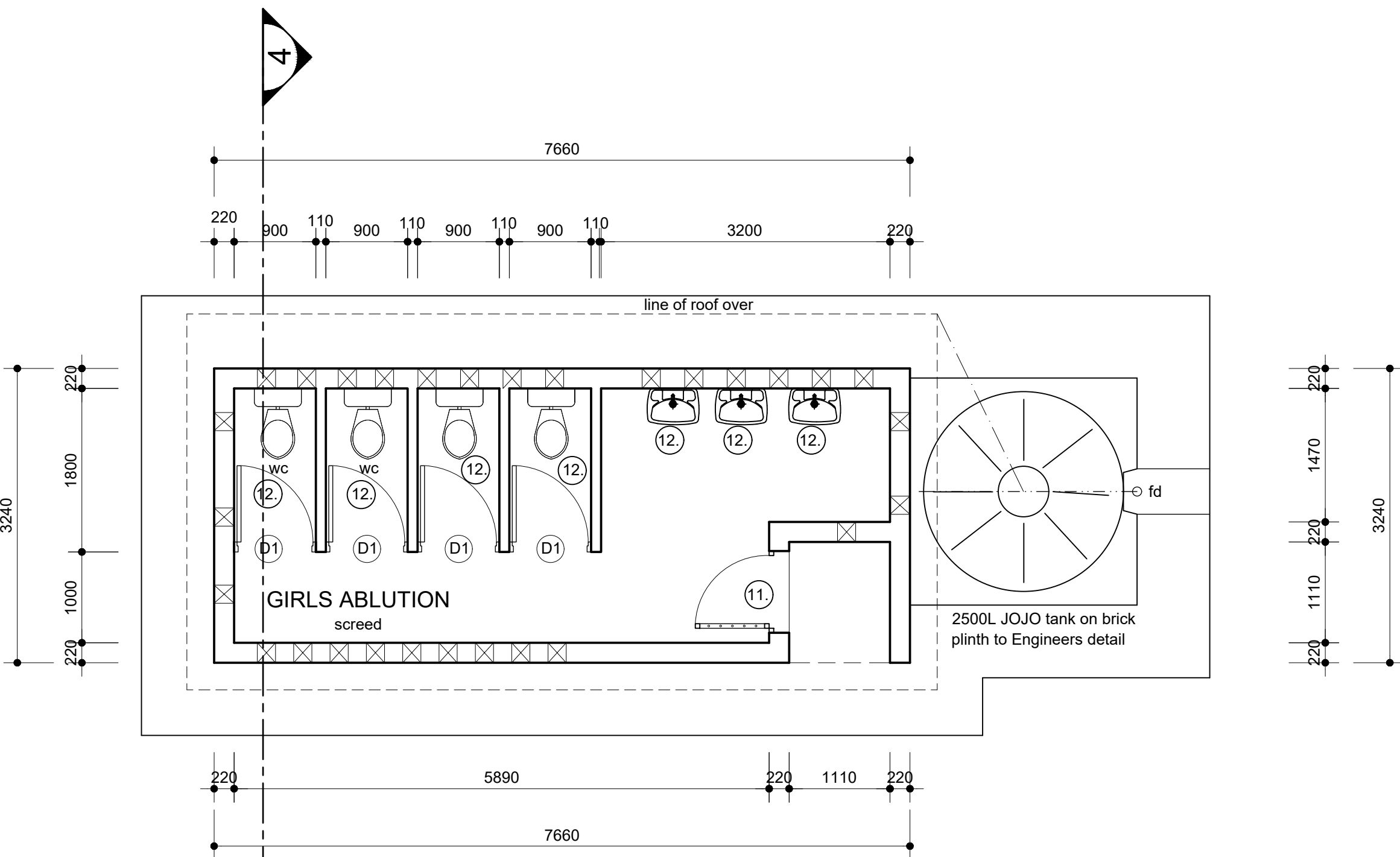
2 FRONT ELEVATION  
SCALE 1:50

#### LEGEND

- Existing sheeted roof to remain. To be high pressure cleaned.
- Existing timber rafters and purlins to remain.
- Existing ceiling to be rubbed down and painted.
- Existing fibre cement fascias to be remain and to be rubbed down and painted.
- Fibre cement barge boards to be remain and to be rubbed down and painted.
- Replace gutters and downpipes with new aluminium gutters and downpipes
- Remove all internal toilet partition doors and provide new timber doors with ironmongery by specialist supplier.
- Internal walls to be rubbed down, cleaned, primed and painted.
- New rain water harvesting tank on existing concrete plinth.
- All external walls with to be rubbed down and painted with 1 coat primer and two coats external quality pva paint.
- Refurbish existing gate and provide new ironmongery.
- Remove all sanitary fittings and provide new.
- All airvents to be cleaned of all dust and painted with external quality pva paint.



6 SIDE ELEVATION.  
SCALE 1:50



1 PLAN  
SCALE 1:50

#### INTERNAL DOOR SCHEDULE

D1= 4	INTERNAL CUBICAL DOOR	2032 x 813 x 44mm HOLLOW CORE HARDWOOD PANEL DOOR WITH COMMERCIAL VENEER
	DOOR FINISH	PRIMED, UNDERCOAT AND TWO COATS GLOSS ENAMEL
	FRAME	STANDARD 1.2mm DOUBLE REBATED GALVANISED PRESSED METAL FRAME FOR 115mm WALL COMPLETE WITH STRAPS FOR BUILDING IN, 2x100mm GALVANISED AND WELDED LOOSE PIN HINGES, ADJUST. CHROME PLATED STRIKING PLATE
	FRAME FINISH	GALVANISED NO PAINTING REQUIRED
	FURNITURE	SOLID ART 390/313 4 LEVER MORTICE LOCKSET AND SATIN CHROME PLATED HANDLES. 38mm DIAMETER DOOR STOP PLUGGED AND SCREWED TO FLOOR WITH A 50mm LONG BRASS SCREW

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Department:  
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service

archiTRONIC  
architect, interior & urban design  
paper engineering  
p.o. box 19383 dormenton 4015  
phone : +27(31) 201 3933  
fax : +27(31) 201 3930  
e-mail : ravi@architronic.co.za  
SACAP NO. : 6012

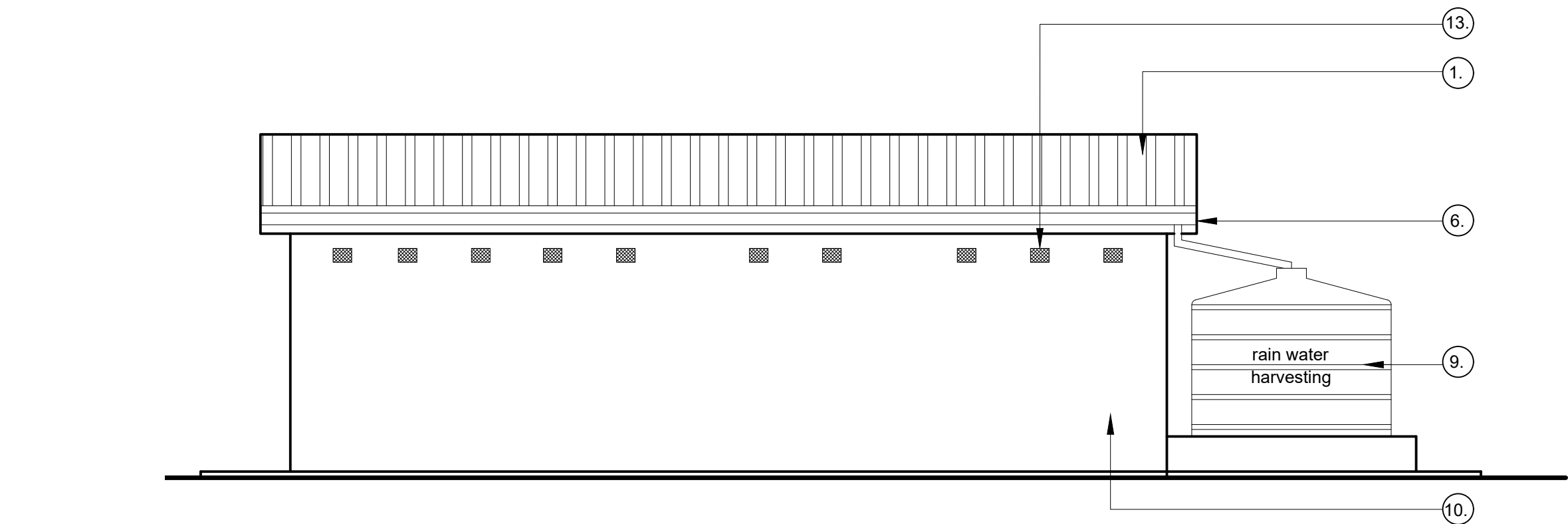
drawing title  
KZN D.O.E. INFRASTRUCTURE  
DEVELOPMENT AND MAINTENANCE  
PROGRAMME

KHAMANGWA HIGH SCHOOL  
EXISTING BLOCK  
FEMALE ABLUTION (4 CUBICLE)  
PLAN, SECTION, ELEVATION

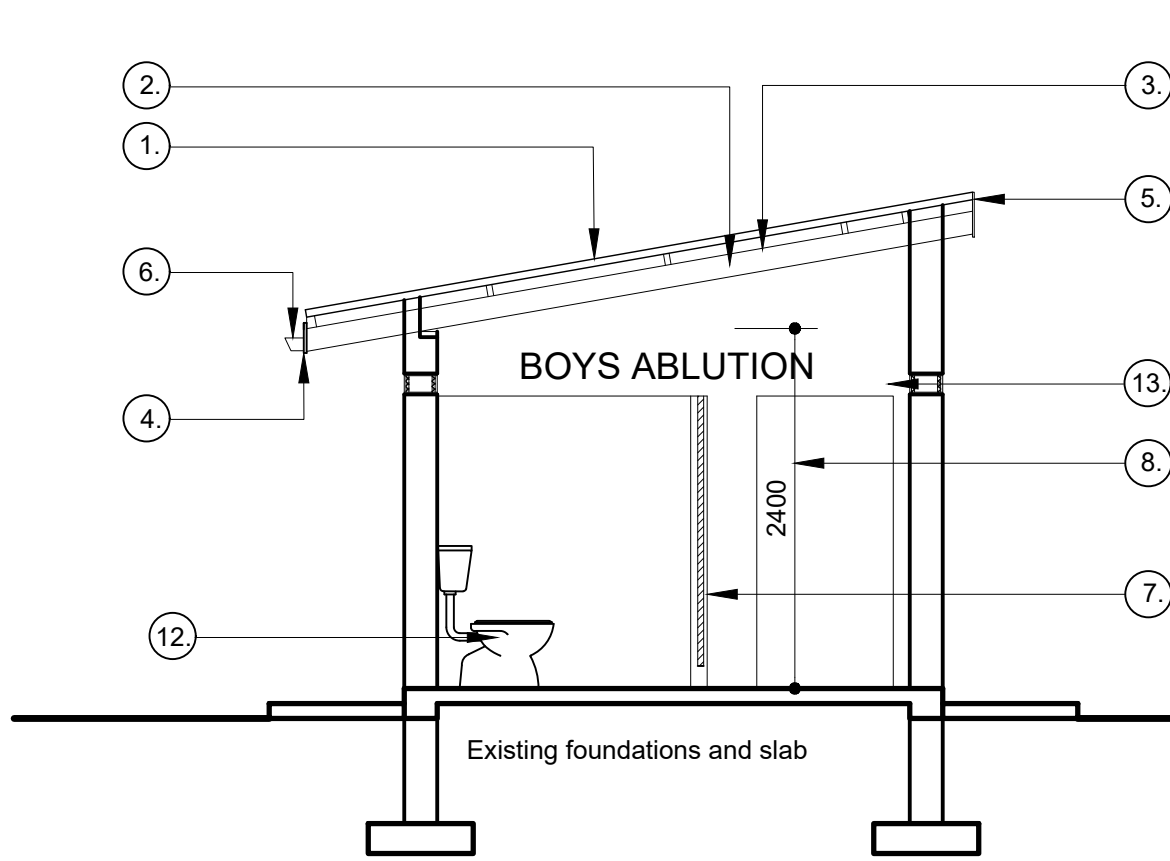
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date	MAY 2019	checked	LC
drawing number			REV

1120.19-KHM-GA-2009

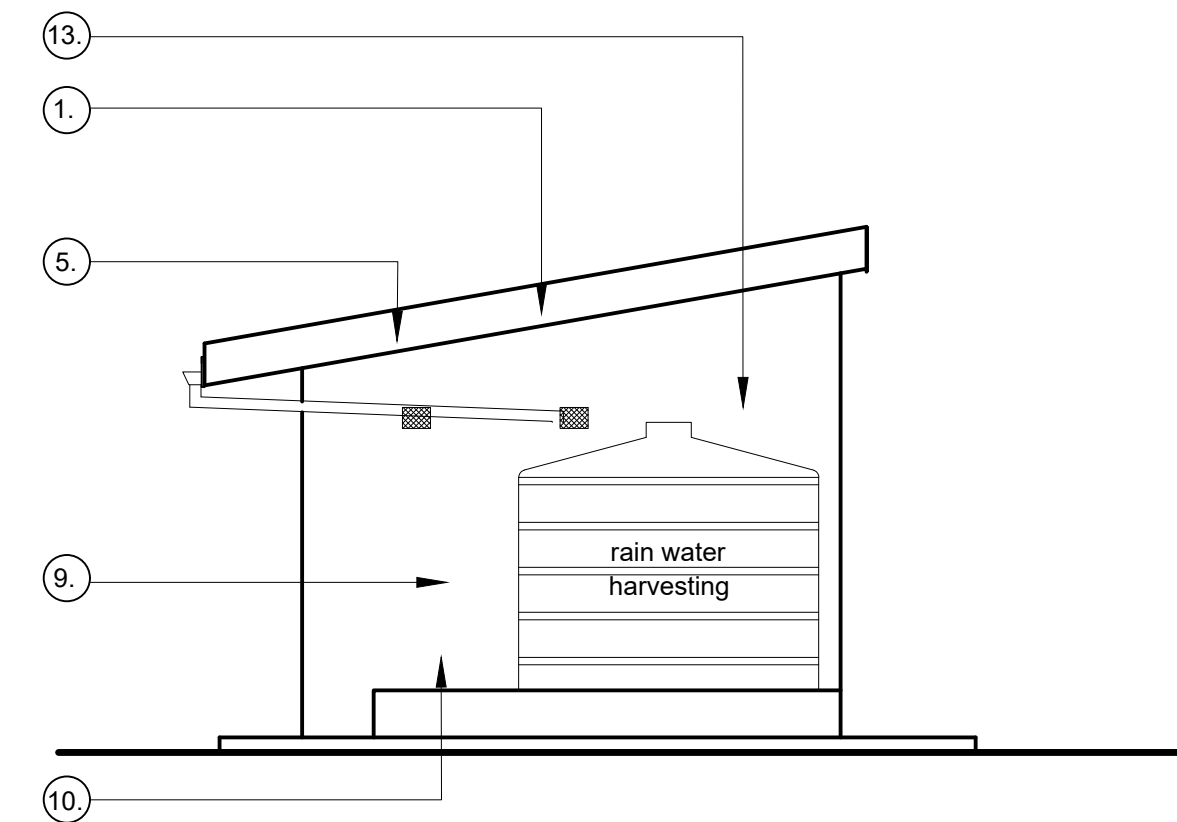




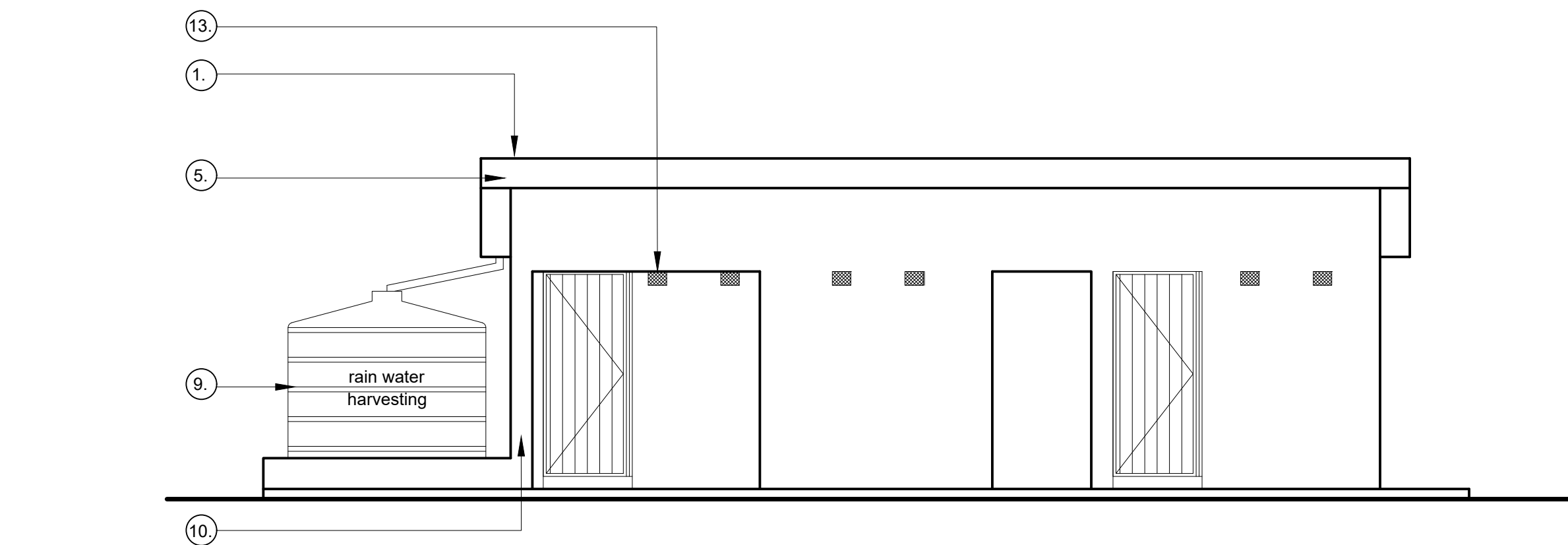
3 REAR ELEVATION  
SCALE 1:50



4 SECTION  
SCALE 1:50



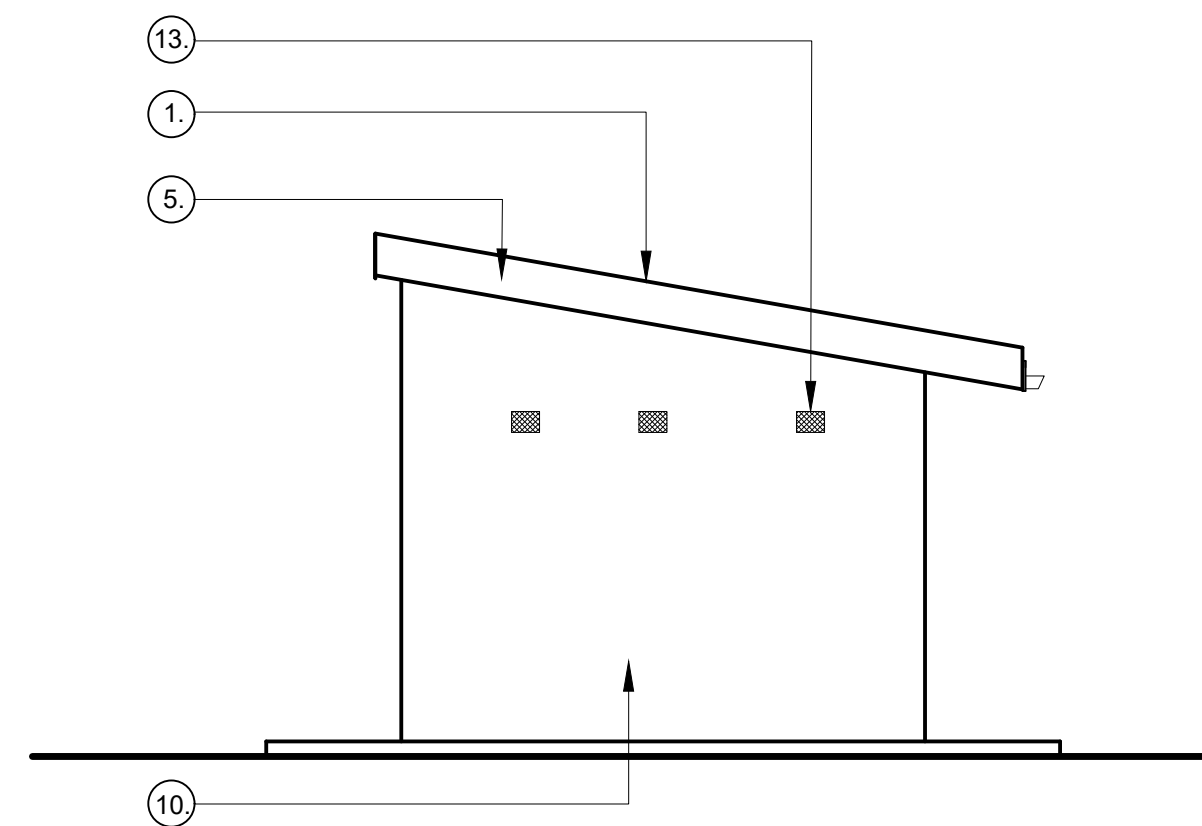
5 SIDE ELEVATION  
SCALE 1:50



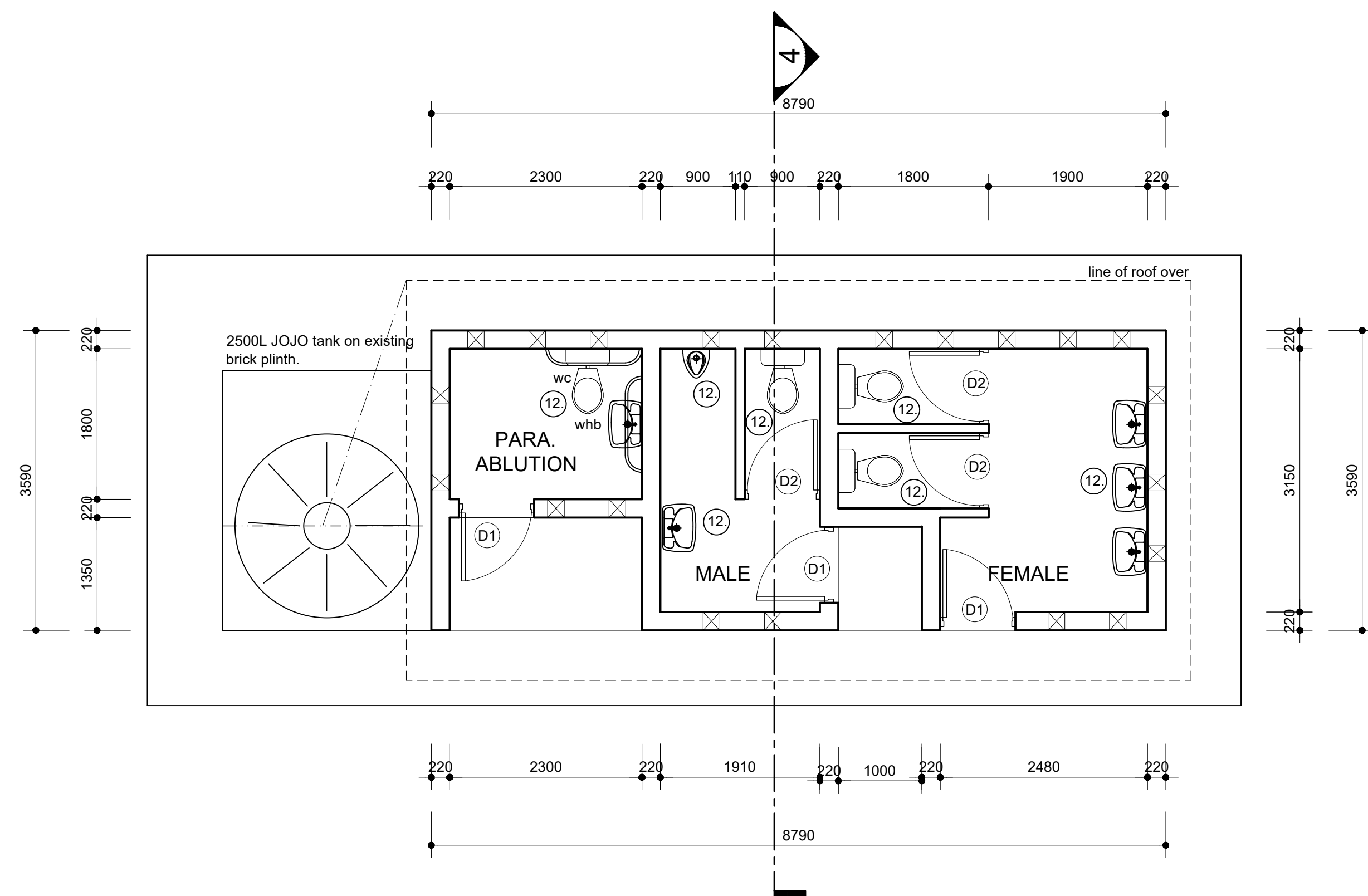
2 FRONT ELEVATION  
SCALE 1:50

#### LEGEND

- Existing sheeted roof to remain. To be high pressure cleaned.
- Existing timber rafters and purlins to remain.
- Existing ceiling to be rubbed down and painted.
- Existing fibre cement fascias to be remain and to be rubbed down and painted.
- Fibre cement barge boards to be remain and to be rubbed down and painted.
- Replace gutters and downpipes with new aluminium gutters and downpipes
- Remove all internal toilet partition doors and provide new timber doors with ironmongery by specialist supplier.
- Internal walls to be rubbed down, cleaned, primed and painted.
- New rain water harvesting tank on existing concrete plinth.
- All external walls with to be rubbed down and painted with 1 coat primer and two coats external quality pva paint.
- Refurbish existing gate and provide new ironmongery.
- Remove all sanitary fittings and provide new.
- All airvents to be cleaned of all dust and painted with external quality pva paint.



6 SIDE ELEVATION  
SCALE 1:50



1 PLAN  
SCALE 1:50

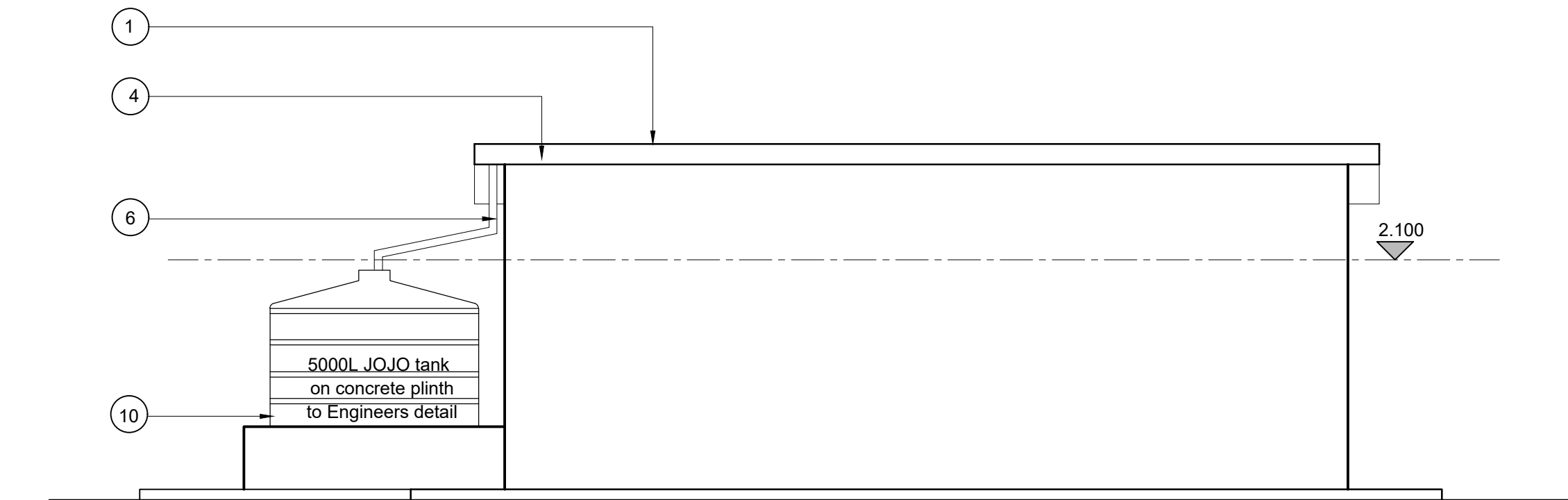
#### DOOR SCHEDULE

<b>D1 = 3</b> 	EXTERNAL DOOR	2032 x 813 x 44mm SOLID CORE MERANTI HARDWOOD PANEL DOOR WITH COMMERCIAL VENEER
	DOOR FINISH	PRIMED, UNDERCOAT AND TWO COATS GLOSS ENAMEL
	FRAME	STANDARD 1.2mm DOUBLE REBATED GALVANISED PRESSED METAL FRAME FOR 115mm WALL COMPLETE WITH STRAPS FOR BUILDING IN, 2x100mm GALVANISED AND WELDED LOOSE PIN HINGES, ADJUST. CHROME PLATED STRIKING PLATE
	FRAME FINISH	GALVANISED NO PAINTING REQUIRED
<b>D2 = 3</b> 	FURNITURE	SOLID ART 390/313 4 LEVER MORTICE LOCKSET AND SATIN CHROME PLATED HANDLES. 38mm DIAMETER DOOR STOP PLUGGED AND SCREWED TO FLOOR WITH A 50mm LONG BRASS SCREW
	INTERNAL CUBICAL DOOR	2032 x 813 x 44mm HOLLOW CORE HARDWOOD PANEL DOOR WITH COMMERCIAL VENEER
	DOOR FINISH	PRIMED, UNDERCOAT AND TWO COATS GLOSS ENAMEL
	FRAME	STANDARD 1.2mm DOUBLE REBATED GALVANISED PRESSED METAL FRAME FOR 115mm WALL COMPLETE WITH STRAPS FOR BUILDING IN, 2x100mm GALVANISED AND WELDED LOOSE PIN HINGES, ADJUST. CHROME PLATED STRIKING PLATE
	FRAME FINISH	GALVANISED NO PAINTING REQUIRED
	FURNITURE	SOLID ART 390/313 4 LEVER MORTICE LOCKSET AND SATIN CHROME PLATED HANDLES. 38mm DIAMETER DOOR STOP PLUGGED AND SCREWED TO FLOOR WITH A 50mm LONG BRASS SCREW

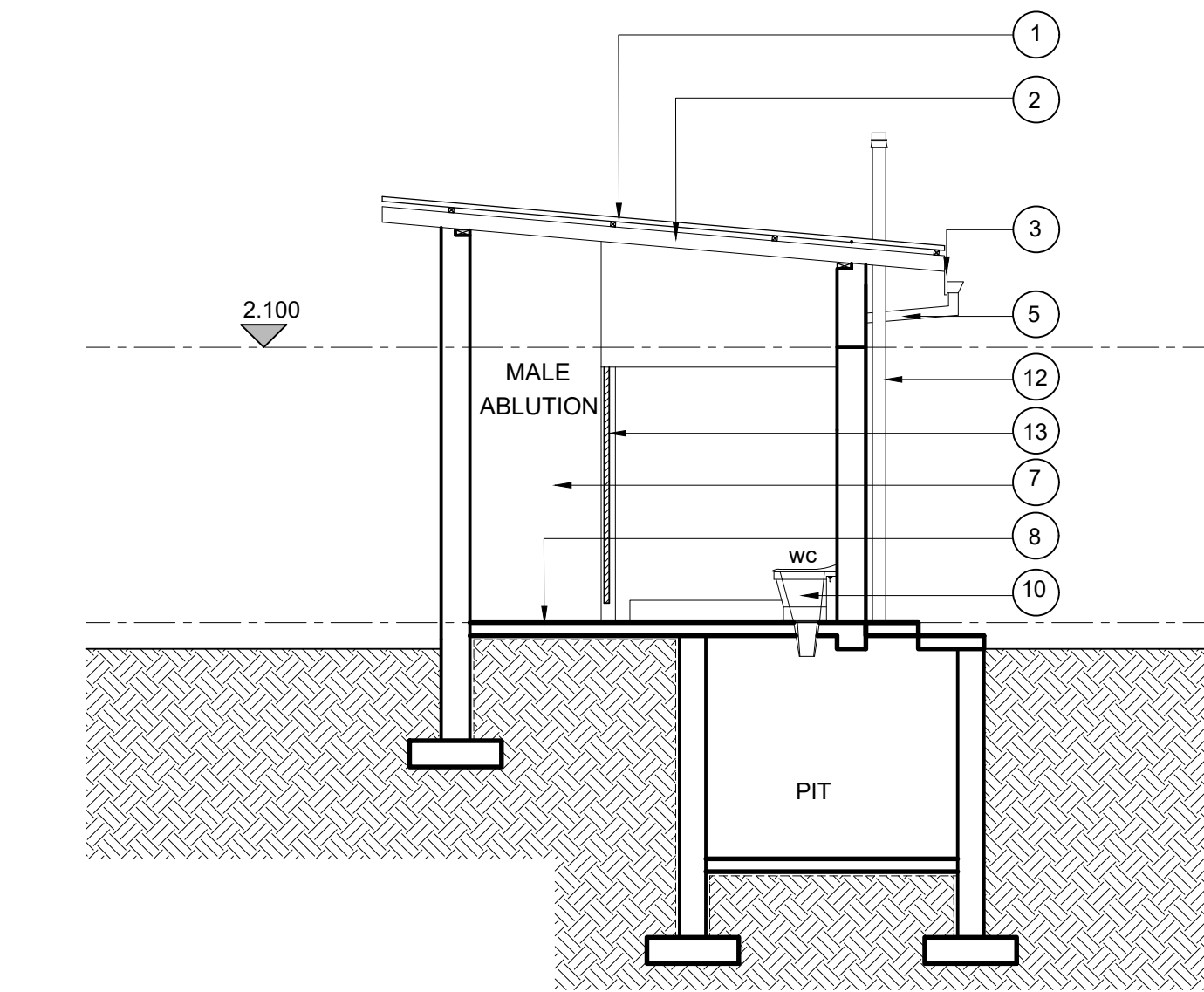
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professional registration no.: _____			

discipline ARCHITECTURAL		
service		
 p.o.box 19383 dormenton 4015 phone : +27(31) 201 3533 fax : +27(31) 201 3530 e-mail : ravi@architronic.co.za SACAP NO. : 6012		
drawing title		
KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME		
KHAMANGWA HIGH SCHOOL		
EXISTING BLOCK MALE, FEMALE & PARAPLEGIC STAFF ABLUTION PLAN,SECTION,ELEVATION		
ref.no.	000000	designed 000000
scale	AS INDICATED	drawn KB
date	MAY 2019	checked LC
drawing number	REV	
1120.19-KHM-GA-2010		

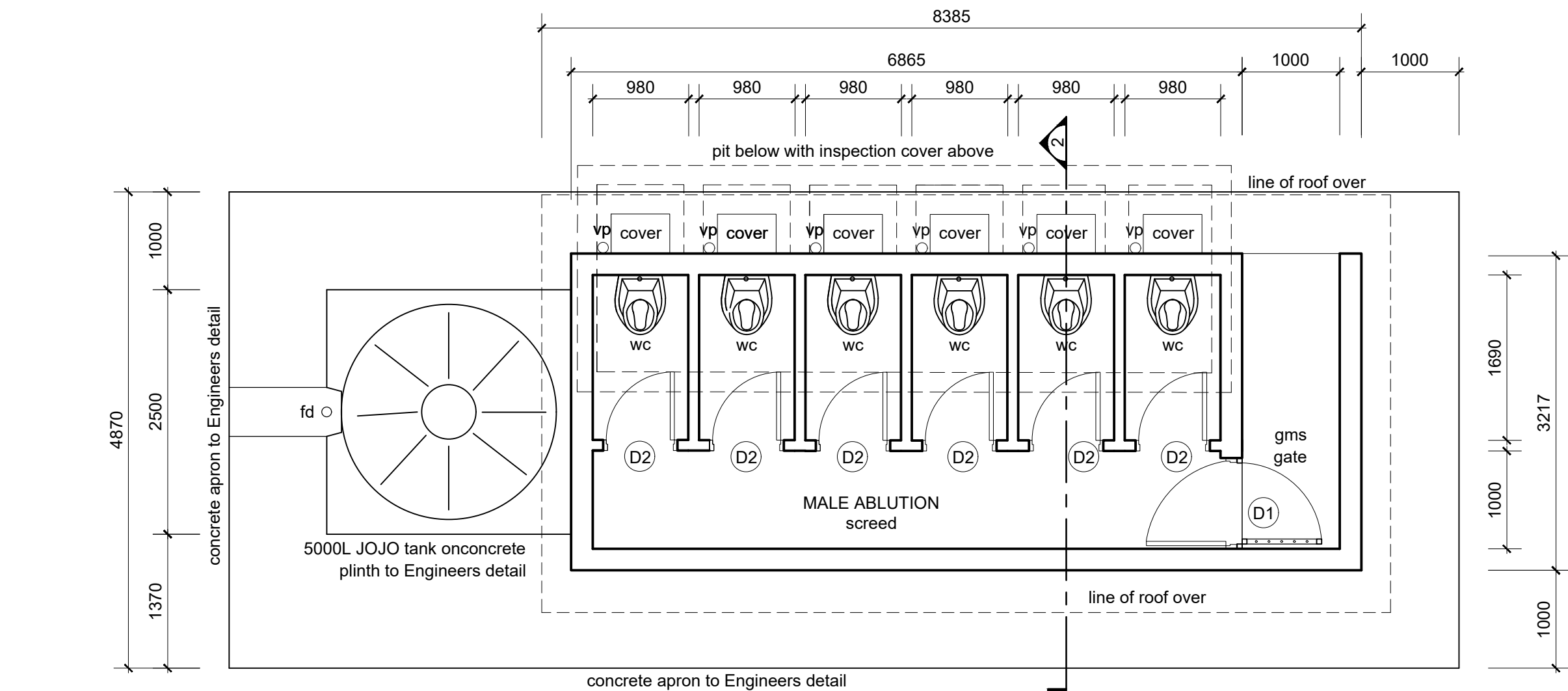




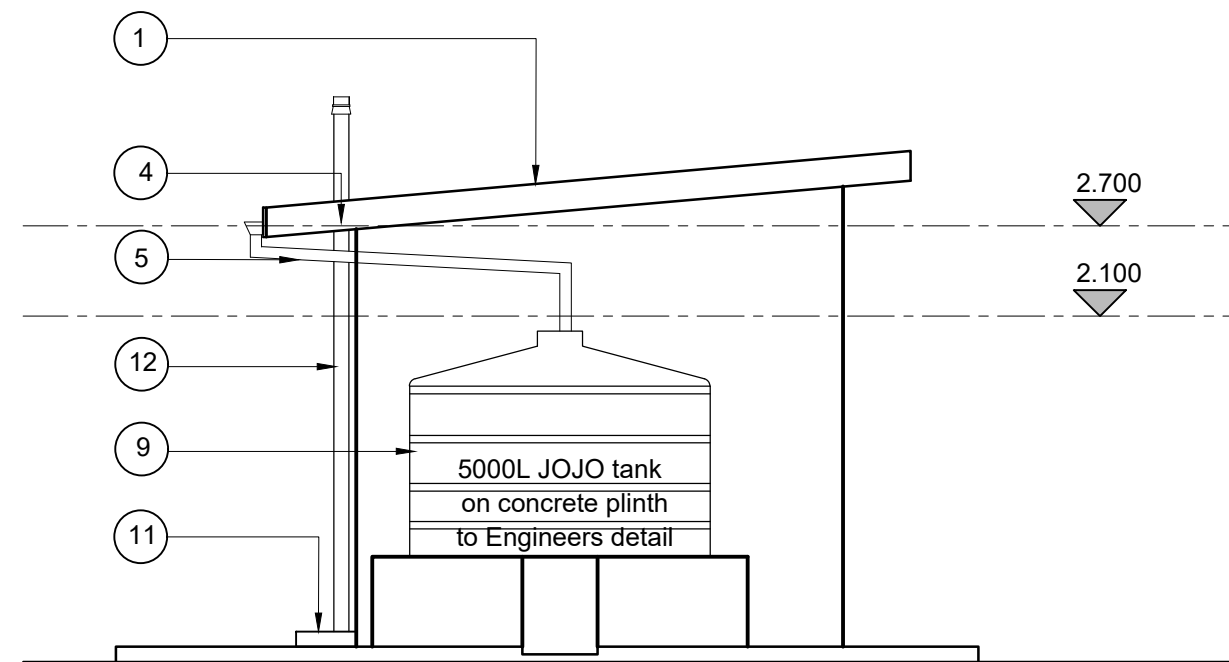
3 FRONT ELEVATION  
SCALE 1:50



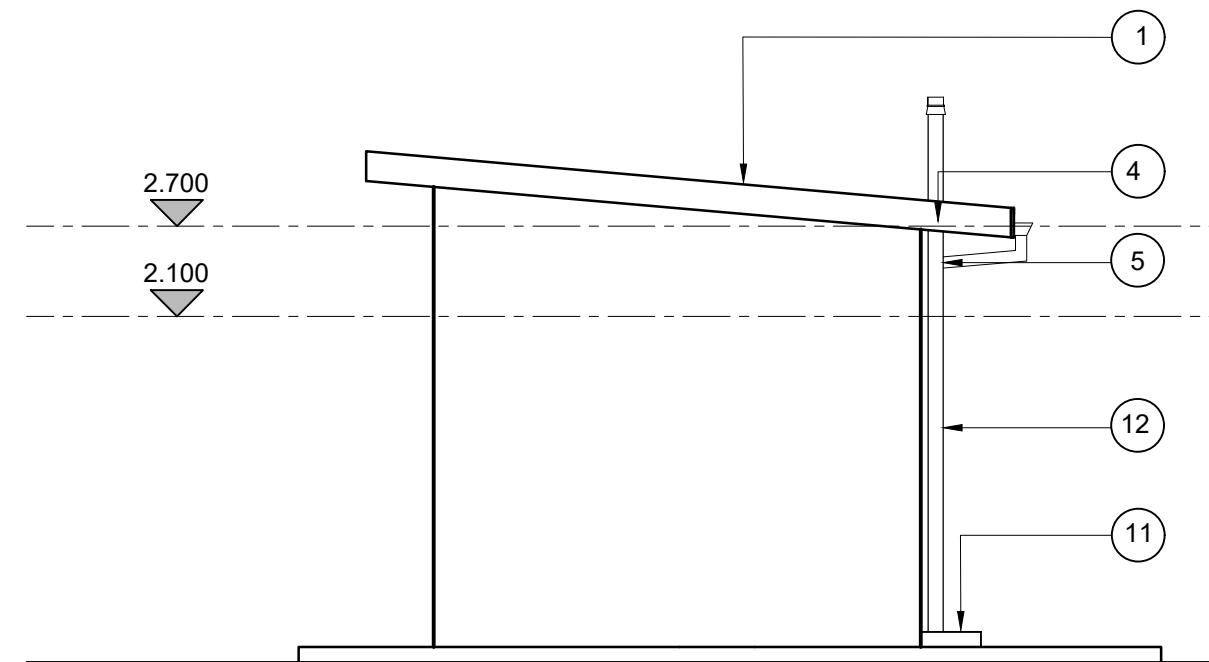
2 SECTION  
SCALE 1:50



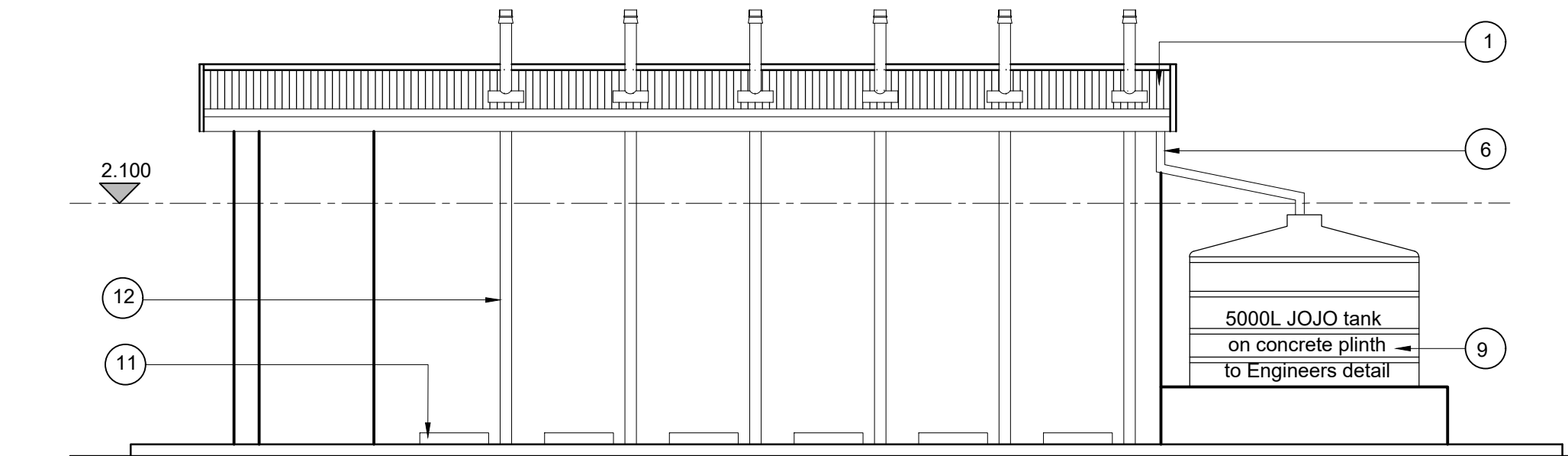
1 PLAN  
SCALE 1:50



4 SIDE ELEVATION  
SCALE 1:50



5 SIDE ELEVATION  
SCALE 1:50



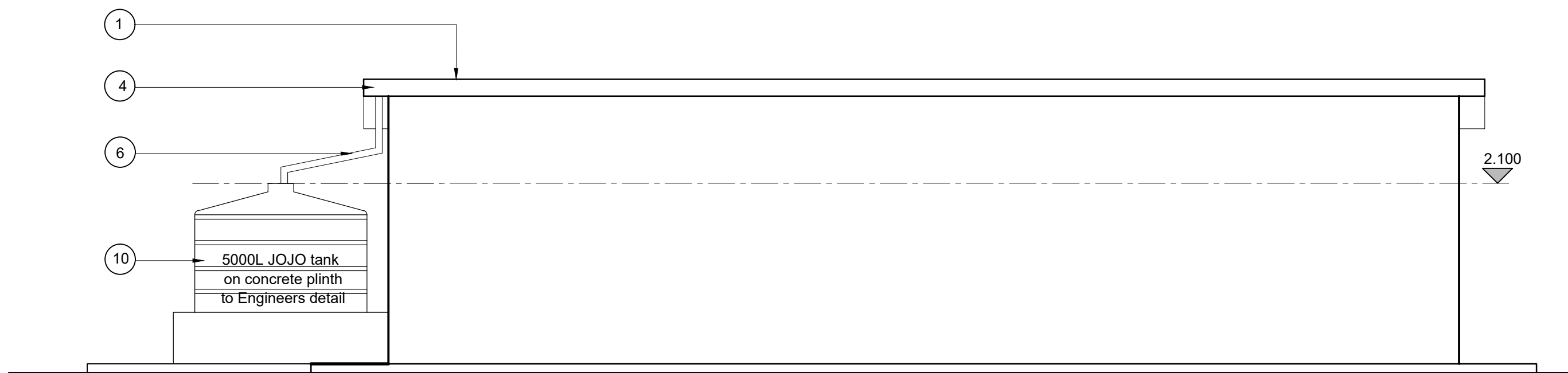
6 REAR ELEVATION  
SCALE 1:50

#### LEGEND

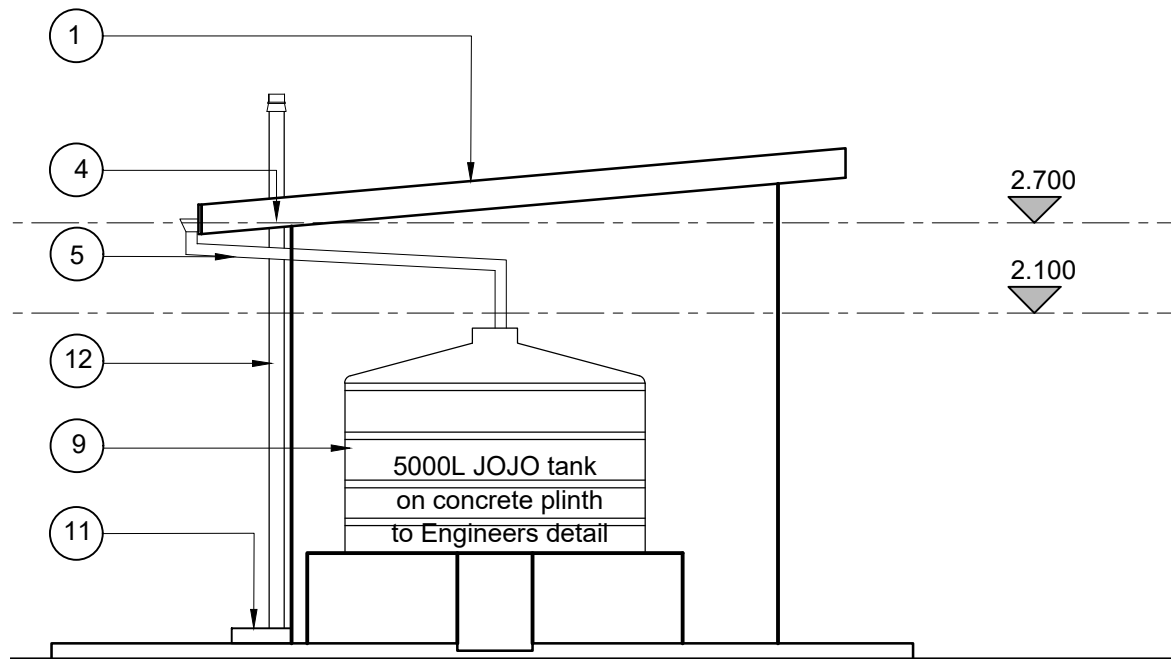
- Existing roof sheeting to be removed and replaced with new IBR roof sheeting.
- Existing timber rafters to be replaced with new rafters .
- Existing fascias to be removed and replaced with new fibre cement fascias.
- New nutek fibre cement barge boards to be provided .
- Replace damaged gutters and downpipes with new aluminium gutters and downpipes
- Remove door and provide new external solid timber door with new galvanized security gate with ironmongery by specialist supplier.
- Internal walls to be rubbed down, cleaned, primed and painted.
- Remove existing floor finish, inspect floor and allow 15 % screed to floor area ,and install new floor finish.
- New Rain water harvesting tank on new concrete plinth to engineer's detail and specifications
- Dilapidated sanitary-ware to be replaced with new fittings to match existing
- New Concrete pit covers with steel handles for inspection purposes.
- New 110mm Ø pvc sewer vent pipe to be painted black to vent externally fixed by 110mm holder bats.
- Remove all internal toilet partition doors and provide new timber doors with ironmongery by specialist supplier.

No.	DATE	AMENDMENT	D.P.W.
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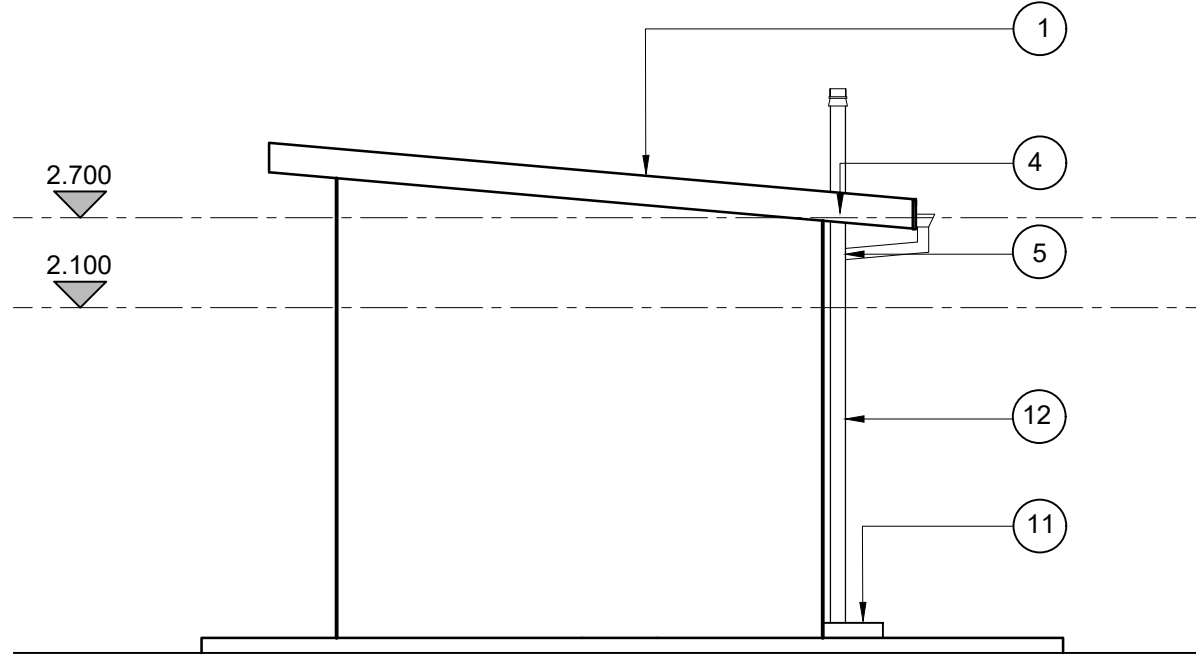
discipline ARCHITECTURAL			
service			
<p>archiTRONIC architects, interior + urban designers project management p.o. box 19383 dormenton 4015 phone : +27(31) 201 3933 fax : +27(31) 201 3930 e-mail : ravi@architronic.co.za SACAP NO. : 6012</p>			
drawing title			
KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
KHAMANGWA SECONDARY SCHOOL			
EXISTING BLOCK E TYPICAL MALE ABLUTION (6 CUBICLE) PLAN,SECTION,ELEVATION			
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scale	AS INDICATED	drawn	KB
date	MAY 2019	checked	LC
drawing number		REV	
120.19-KHM-GA-2011			



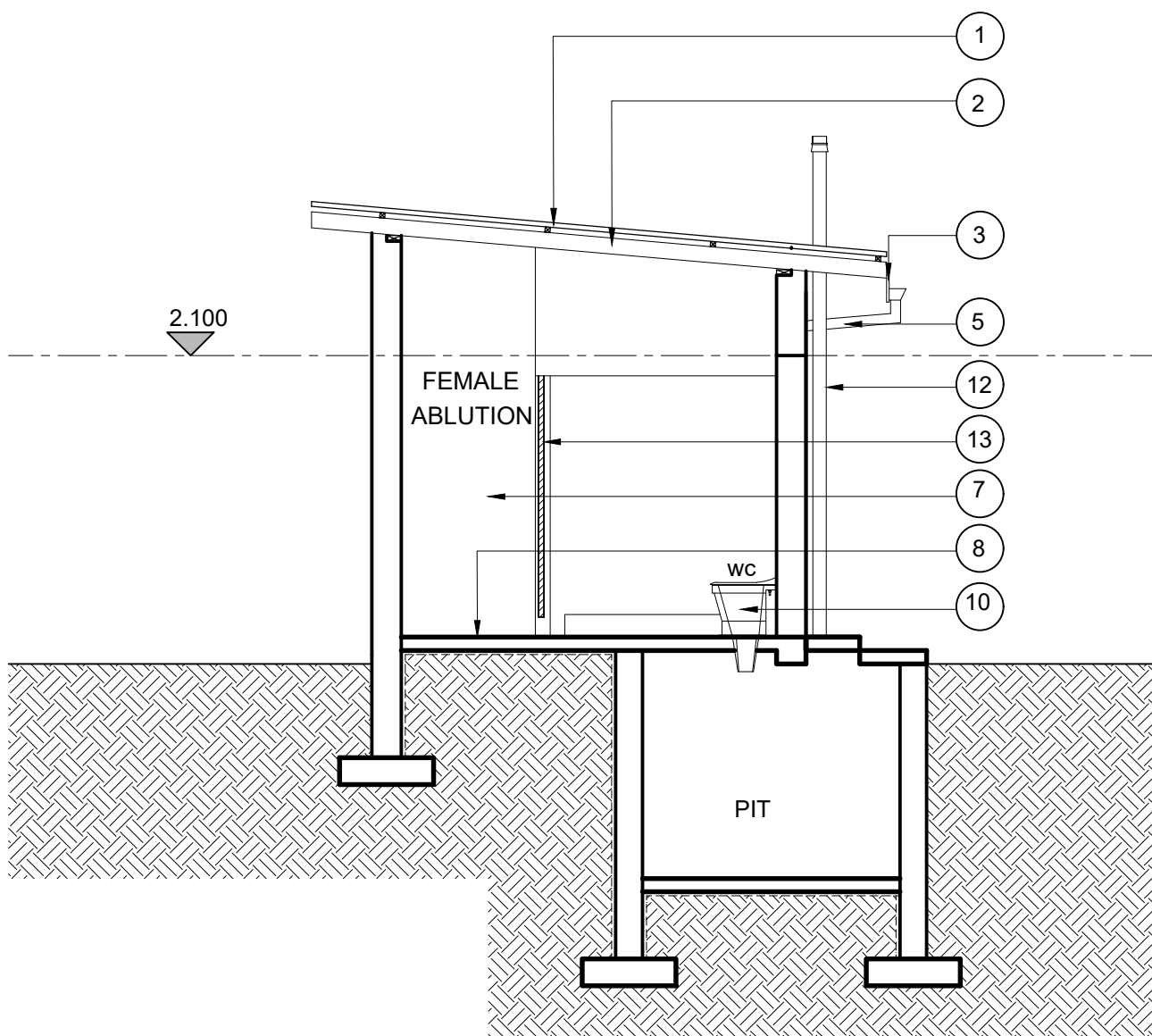
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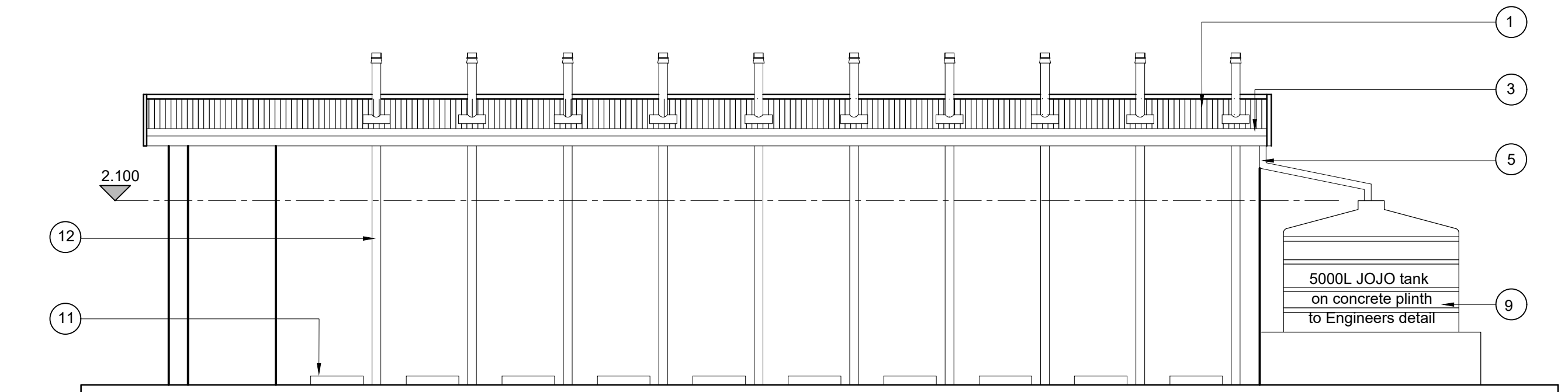
4 SIDE ELEVATION  
SCALE 1:50



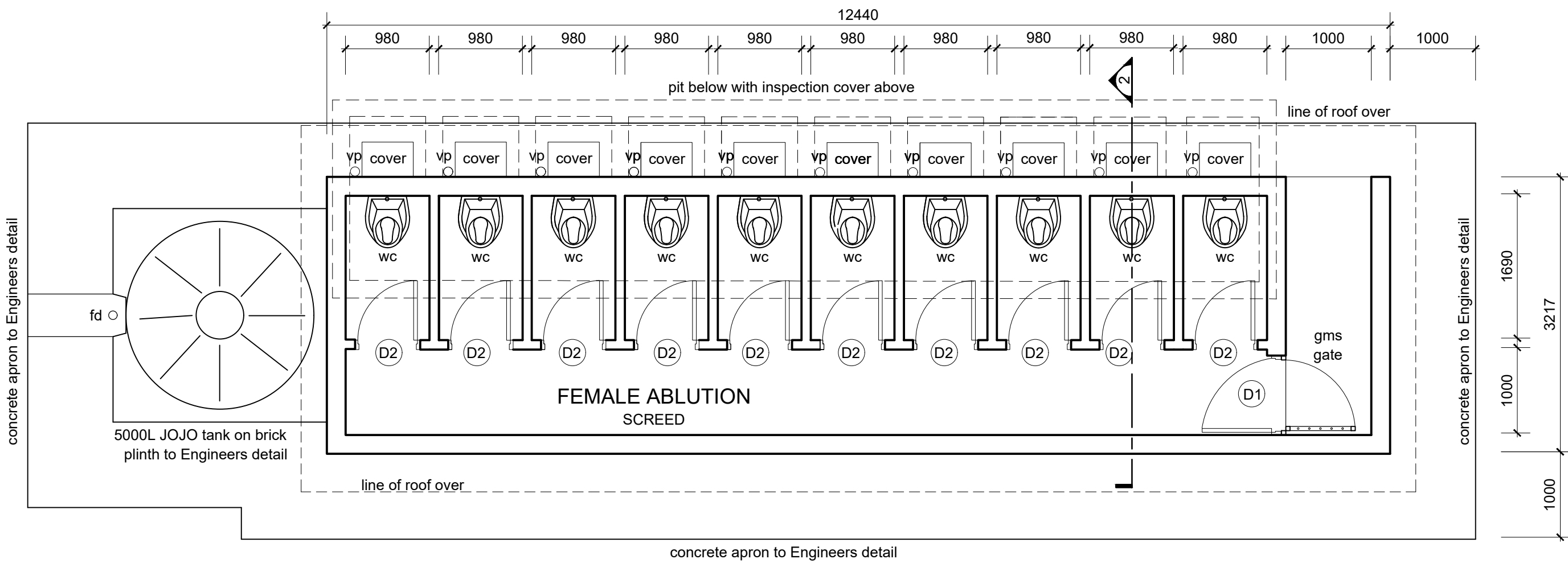
5 SIDE ELEVATION  
SCALE 1:50



2 SECTION  
SCALE 1:50



6 REAR ELEVATION  
SCALE 1:50



1 PLAN  
SCALE 1:50

LEGEND

- Existing roof sheeting to be removed and replaced with new IBR roof sheeting .
- Existing timber rafters to be replaced with new rafters .
- Existing fascias to be removed and replaced with new fibre cement fascias.
- New nutek fibre cement barge boards to be provided .
- Replace damaged gutters and downpipes with new aluminium gutters and downpipes
- Remove door and provide new external solid timber door with new galvanized security gates with ironmongery by specialist supplier .
- Internal walls to be rubbed down, cleaned, primed and painted.
- Remove existing floor finish, inspect floor and allow 15 % screed to floor area ,and install new floor finish.
- New Rain water harvesting tank on new concrete plinth to engineer's detail and specifications
- Dilapidated sanitary-ware to be replaced with new fittings to match existing
- New Concrete pit covers with steel handles for inspection purposes.
- New 110mm Ø pvc sewer vent pipe to be painted black to vent externally fixed by 110mm holder bats.
- Remove all internal toilet partition doors and provide new timber doors with ironmongery by specialist supplier.

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discipline

ARCHITECTURAL

service



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fax : +27(31) 201 3930  
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SACAP NO. : 6012

drawing title

KZN D.O.E. INFRASTRUCTURE  
DEVELOPMENT AND MAINTENANCE  
PROGRAMME

KHAMANGWA SECONDARY SCHOOL  
EXISTING BLOCK K  
TYPICAL FEMALE ABLUTION (10 CUBICLE)  
PLAN,SECTION,ELEVATION

ref.no.	000000	designed	000000
scale	AS INDICATED	drawn	KB
date	MAY 2019	checked	LC
drawing number			REV

1120.19-KHM-GA-2012





REFERENCE DRAWINGS	

REV	DESCRIPTION	DATE

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  11. STORMWATER IS TO BE ADEQUATELY ROUTED AWAY FROM THE STRUCTURE.
  12. PONDING OF WATER DURING AND AFTER CONSTRUCTION IS NOT BE PERMITTED.

ITEM	DISCRIPTION	QTY
1	FLUORESCENT LIGHTS	—
2	ROOM SUPPLY DB'S	—
3	MAIN SUPPLY DB	—
4	PERIMETER SPOTLIGHTS	—
5	SINGLE LIGHT SWITCH	—
6	DOUBLE LIGHT SWITCH	—
7	DAY NIGHT SWITCH	—
8	DOUBLE PLUG	—

LEGEND	
	FLUORESCENT LIGHTS
	PERIMETER SPOTLIGHTS
	ROOM SUPPLY DB'S
	MAIN SUPPLY DB
	DOUBLE PLUG SOCKET
	DOUBLE LIGHT SWITCH
	SINGLE LIGHT SWITCH
	DAY NIGHT SWITCH
	LIGHT CONDUIT
	PLUG CONDUIT

STATUS: FOR INFORMATION


	NAME	SIGNATURE	ECSA REG. No.	DATE
DESIGNED BY:	M.B.			---
REVIEWED BY:	N.V.			---
APPROVED BY:	---			---

Civpro Engineering Joint Venture




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Department:  
Education  
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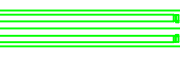







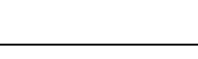

PROJECT: KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: KHAMANGWA HIGH SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1: AS SHOWN	DATE: 18/03/21	DRAWN: TN	CHECKED: NZ
PROJECT NO: J21003	DRAWING NO: 500-KHM-01	REVISION: A	

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9. ALL QUANTITIES ARE TO BE MEASURED IN ACCORDANCE WITH SANS 1200.
10. ALL WET SERVICES ARE TO HAVE FLEXIBLE JOINTS AGAINST THE BUILDING.
11. STORMWATER IS TO BE ADEQUATELY ROUTED AWAY FROM THE STRUCTURE.
12. PONDING OF WATER DURING AND AFTER CONSTRUCTION IS NOT PERMITTED.

ITEM	DISCRIPTION	QTY
1	FLUORESCENT LIGHTS	21
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	5
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	8

### LEGEND

	FLUORESCENT LIGHTS
	PERIMETER SPOTLIGHTS
	ROOM SUPPLY DB'S
	MAIN SUPPLY DB
	DOUBLE PLUG SOCKET
	DOUBLE LIGHT SWITCH
	SINGLE LIGHT SWITCH
	DAY NIGHT SWITCH
	LIGHT CONDUIT
	PLUG CONDUIT

STATUS:

FOR INFORMATION

	NAME	SIGNATURE	ECSCA REG. No.	DATE
DESIGNED BY:	<b>M.B.</b>			---
REVIEWED BY:	<b>N.V.</b>			---
APPROVED BY:	---			---

**Civpro Engineering Joint Venture**

The logo for Civpro Engineering Joint Venture features a stylized 'C' in blue and green, followed by the word 'Civpro' in blue. Below this, the words 'Engineering Joint Venture' are written in a smaller blue font.

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Durban  
Tel: (031) 000 0449  
Fax: (086) 673 3964  
[www.civproeng.co.za](http://www.civproeng.co.za)

CLIENT:

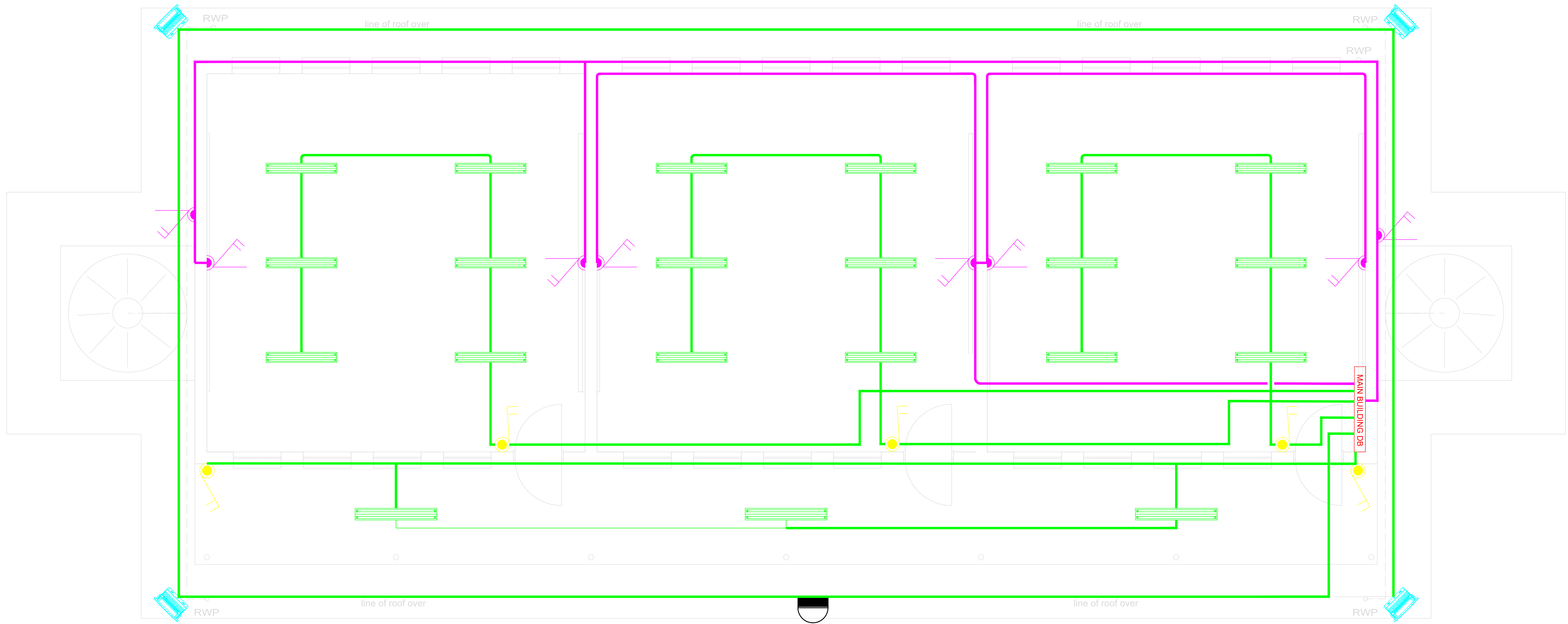


**education**  
Department:  
Education  
PROVINCE OF KWAZULU-NATAL



DBSA

PROJECT: KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: KHAMANGWA HIGH SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1: AS SHOWN	DATE: 18/03/21	DRAWN: TN	CHECKED: NZ
PROJECT NO: J21003		DRAWING NO: 500-KHM-02	REVISION: A

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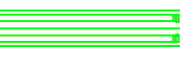











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9. ALL QUANTITIES ARE TO BE MEASURED IN ACCORDANCE WITH SANS 1200.
10. ALL WET SERVICES ARE TO HAVE FLEXIBLE JOINTS AGAINST THE BUILDING.
11. STORMWATER IS TO BE ADEQUATELY ROUTED AWAY FROM THE STRUCTURE.
12. PONDING OF WATER DURING AND AFTER CONSTRUCTION IS NOT PERMITTED.

ITEM	DISCRIPTION	QTY
1	FLUORESCENT LIGHTS	21
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	5
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	8

### LEGEND

	FLUORESCENT LIGHTS
	PERIMETER SPOTLIGHTS
	ROOM SUPPLY DB'S
	MAIN SUPPLY DB
	DOUBLE PLUG SOCKET
	DOUBLE LIGHT SWITCH
	SINGLE LIGHT SWITCH
	DAY NIGHT SWITCH
	LIGHT CONDUIT
	PLUG CONDUIT

STATUS:

## FOR INFORMATION

	NAME	SIGNATURE	ECSA REG. No.	DATE
DESIGNED BY:	<b>M.B.</b>			---
REVIEWED BY:	<b>N.V.</b>			---
APPROVED BY:	---			---

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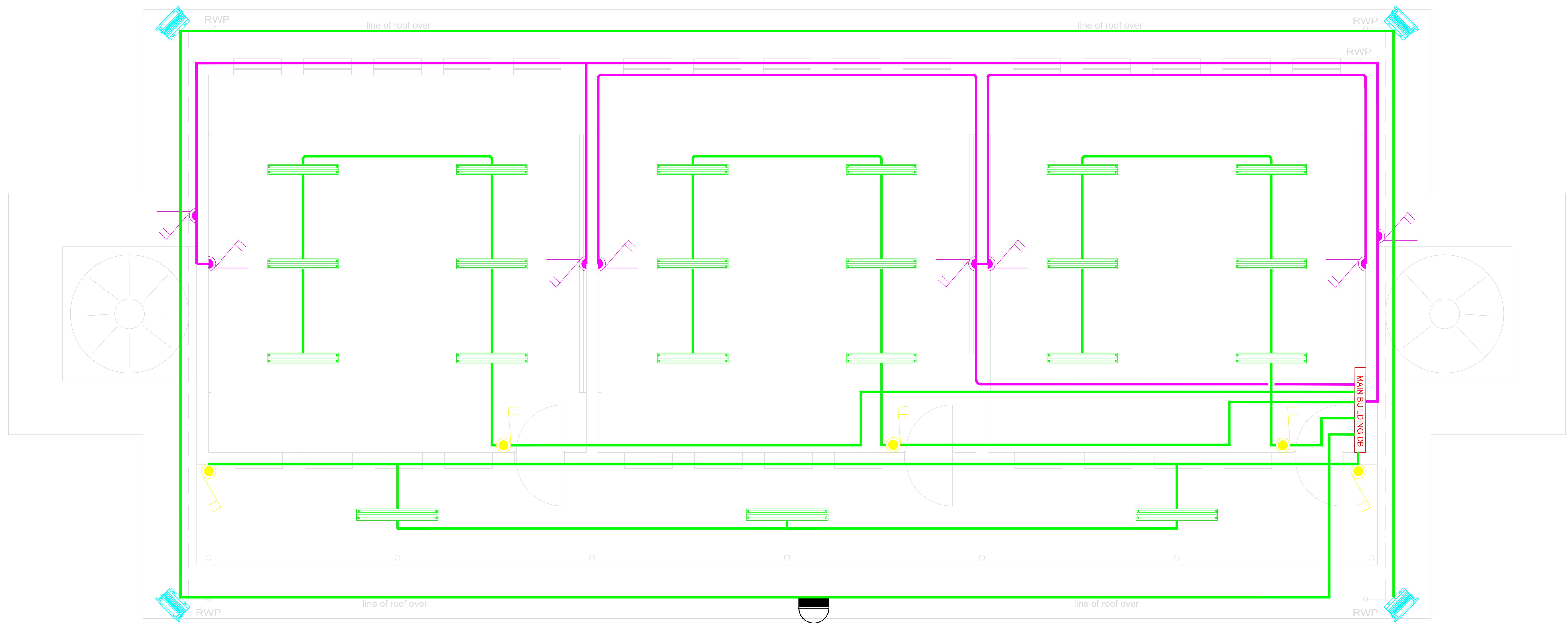


**education**  
Department:  
Education  
PROVINCE OF KWAZULU-NATAL



DBSA

PROJECT: KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: KHAMANGWA HIGH SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1: AS SHOWN	DATE: 18/03/21	DRAWN: TN	CHECKED: NZ
PROJECT NO: J21003	DRAWING NO: 500-KHM-03	REVISION: A	











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5. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ARCHITECT'S DRAWING AND ALL DIMENSIONS VERIFIED.
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7. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND THE CONSTRUCTION REGULATIONS.
8. SUBCONTRACTING OF ANY PORTION OF THE WORKS DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES AND LIABILITIES IN TERMS OF THE CONTRACT AND THE REGULATIONS NOTED IN 6.
9. ALL QUANTITIES ARE TO BE MEASURED IN ACCORDANCE WITH SANS 1200.
10. ALL WET SERVICES ARE TO HAVE FLEXIBLE JOINTS AGAINST THE BUILDING.
11. STORMWATER IS TO BE ADEQUATELY ROUTED AWAY FROM THE STRUCTURE.
12. PONDING OF WATER DURING AND AFTER CONSTRUCTION IS NOT PERMITTED.

ITEM	DISCRIPTION	QTY
1	FLUORESCENT LIGHTS	57
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	2
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	14
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	25

### LEGEND

	FLUORESCENT LIGHTS
	PERIMETER SPOTLIGHTS
	ROOM SUPPLY DB'S
	MAIN SUPPLY DB
	DOUBLE PLUG SOCKET
	DOUBLE LIGHT SWITCH
	SINGLE LIGHT SWITCH
	DAY NIGHT SWITCH
	LIGHT CONDUIT
	PLUG CONDUIT

STATUS:

FOR INFORMATION

	NAME	SIGNATURE	ECSA REG. No.	DATE
DESIGNED BY:	<b>M.B.</b>			---
REVIEWED BY:	<b>N.V.</b>			---
APPROVED BY:	---			---

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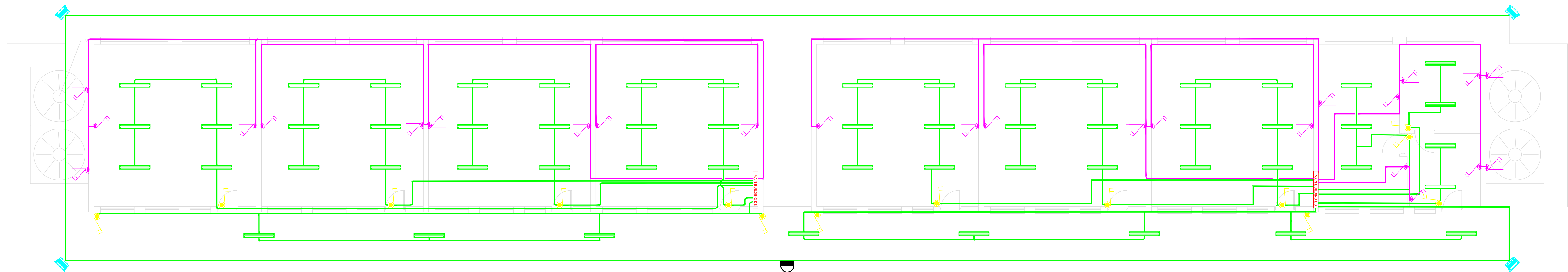
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**education**  
Department:  
Education  
PROVINCE OF KWAZULU-NATAL



PROJECT: KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: KHAMANGWA HIGH SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1: AS SHOWN	DATE: 18/03/21	DRAWN: TN	CHECKED: NZ
PROJECT NO: J21003		DRAWING NO: 500-KHM-04	REVISION: A

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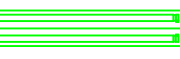



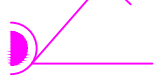


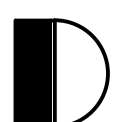




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9. ALL QUANTITIES ARE TO BE MEASURED IN ACCORDANCE WITH SANS 1200.
10. ALL WET SERVICES ARE TO HAVE FLEXIBLE JOINTS AGAINST THE BUILDING.
11. STORMWATER IS TO BE ADEQUATELY ROUTED AWAY FROM THE STRUCTURE.
12. PONDING OF WATER DURING AND AFTER CONSTRUCTION IS NOT PERMITTED.

ITEM	DISCRIPTION	QTY
1	FLUORESCENT LIGHTS	14
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	4
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	6

### LEGEND

	FLUORESCENT LIGHTS
	PERIMETER SPOTLIGHTS
	ROOM SUPPLY DB'S
	MAIN SUPPLY DB
	DOUBLE PLUG SOCKET
	DOUBLE LIGHT SWITCH
	SINGLE LIGHT SWITCH
	DAY NIGHT SWITCH
	LIGHT CONDUIT
	PLUG CONDUIT

STATUS:

FOR INFORMATION

	NAME	SIGNATURE	ECSA REG. No.	DATE
DESIGNED BY:	M.B.			---
REVIEWED BY:	N.V.			---
APPROVED BY:	---			---

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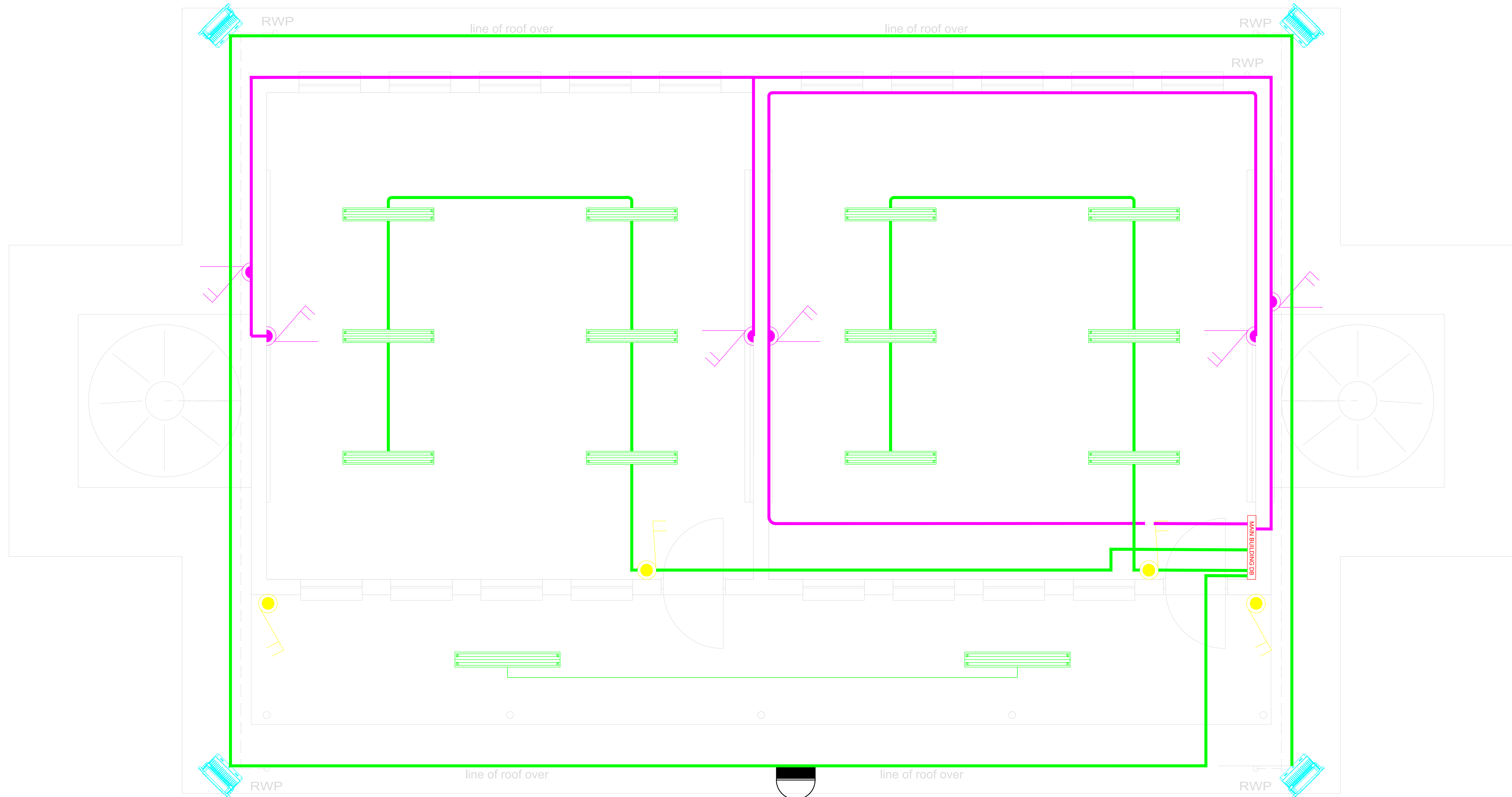


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Department:  
Education  
PROVINCE OF KWAZULU-NATAL

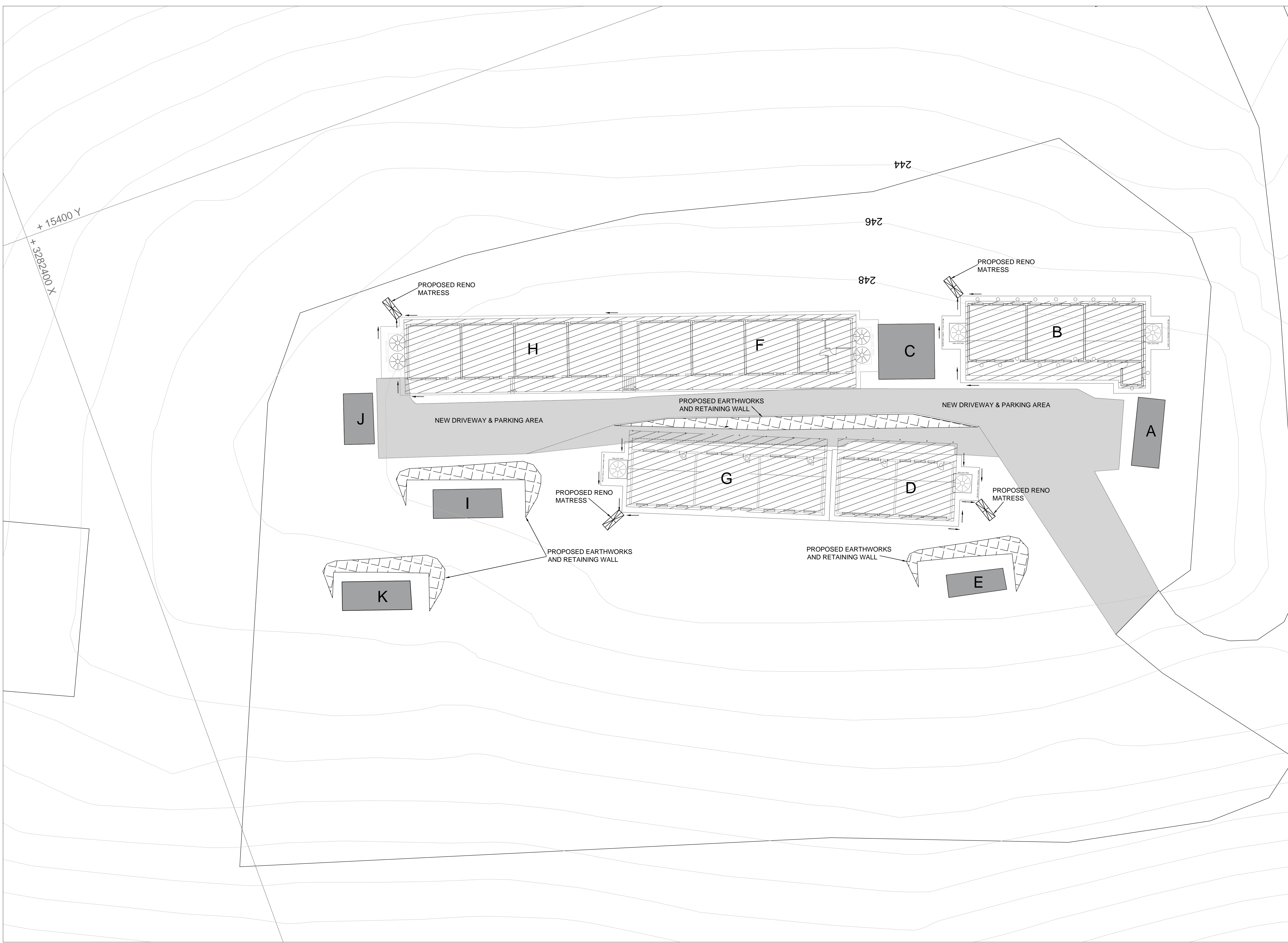


DBSA

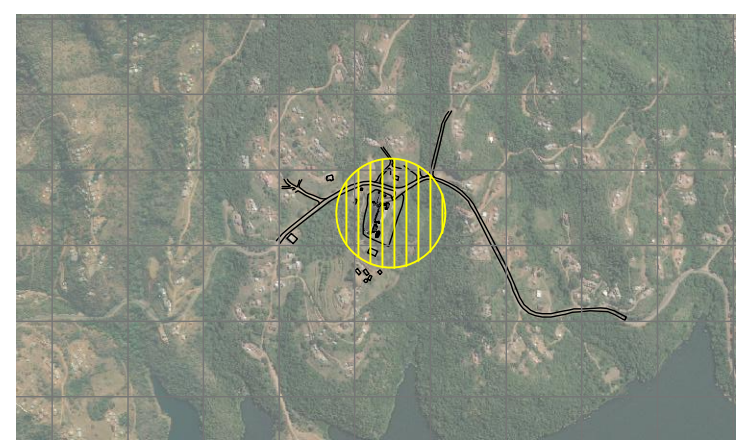
PROJECT: KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: KHAMANGWA HIGH SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1: AS SHOWN	DATE: 18/03/21	DRAWN: TN	CHECKED: NZ
PROJECT NO: J21003		DRAWING NO: 500-KHM-05	REVISION: A

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  11. STORMWATER IS TO BE ADEQUATELY ROUTED AWAY FROM THE STRUCTURE.
  12. PONDING OF WATER DURING AND AFTER CONSTRUCTION IS NOT BE PERMITTED.
  13. ALL STORMWATER CATCHPITS TO BE CLEANED AND JETTED/
  14. ALL CRACKS ON STORMWATER CHANNELS TO BE REPAIRED.
  15. ALL DEBRI AND VEGETATION TO BE REMOVED FROM THE STORMWATER SYSTEMS (DRAINS AND CHANNELS).



LOCALITY PLAN  
SCALE 1:20000

STATUS: **FOR APPROVAL**

DESIGNED BY:	R.V.	SIGNATURE	ECSA REG. No.	DATE
REVIEWED BY:	N.Z.			20-09-2022
APPROVED BY:	N.Z.			21-09-2022

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Department:  
Education  
PROVINCE OF KWAZULU-NATAL

**DBSA**

PROJECT: KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: KHAMANGWA SECONDARY SCHOOL CIVIL SERVICES LAYOUT PLAN			
SCALE AT A1: AS SHOWN	DATE: 20/09/22	DRAWN: RV	CHECKED: NZ
PROJECT NO: D19001	DRAWING NO: 300-BLV-06	REVISION: A	

CIVIL SERVICES LAYOUT PLAN  
SCALE 1:250

- LEGEND
- PROPOSED DRIVEWAY AND PARKING AREA
  - EXISTING SCHOOL BLOCKS - NO ROOF REPLACEMENT
  - EXISTING SCHOOL BLOCKS - REPLACEMENT OF ASBESTOS ROOFS
  - NEW STORMWATER V-DRAIN
  - PROPOSED RETAINING WALL

REFERENCE DRAWINGS	
-	-

REV	DESCRIPTION	DATE
A	ISSUED FOR APPROVAL	20/09/2022

