

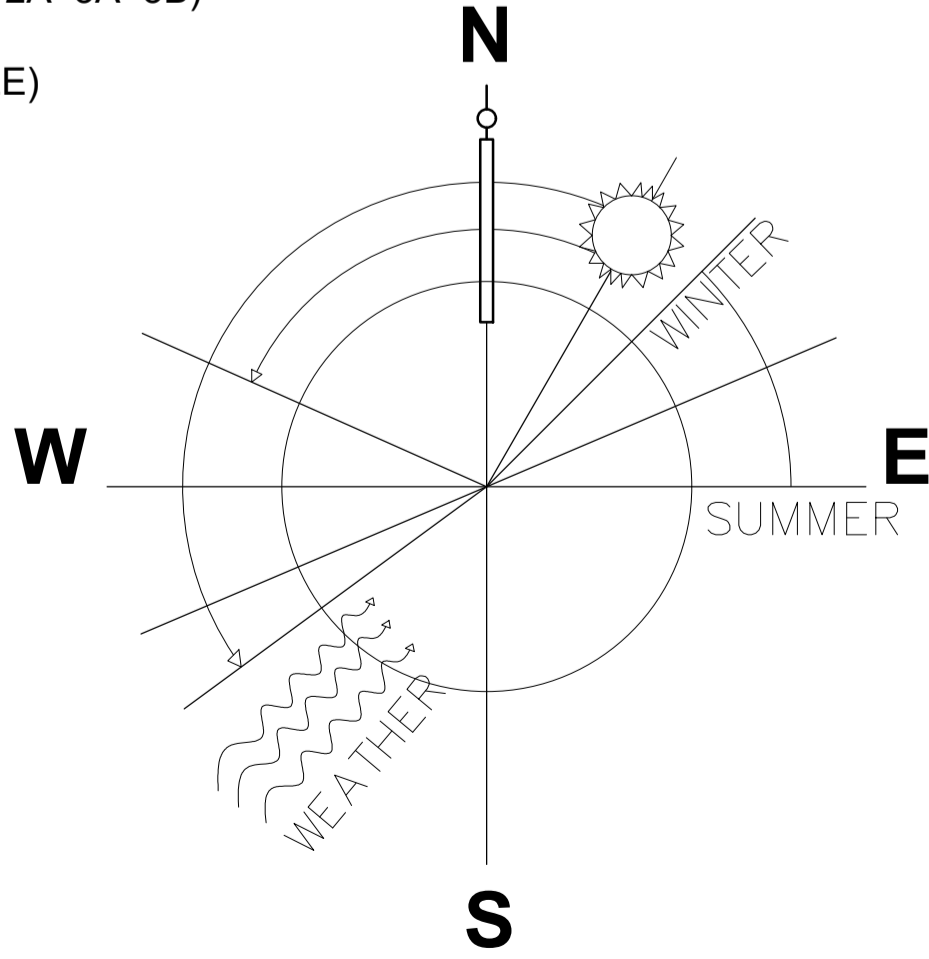
1 SITE PLAN
NTS



AERIAL VIEW

LEGEND:

- A - 3 CLASSROOM BLOCK (GRADE R) + ADMIN
- B - KITCHEN
- C - PARKHOME USED AS CLASSROOM
- D - MALE ABLUTION BLOCK (10 CUBICLE)
- E - FEMALE ABLUTION (10 CUBICLE)
- F - 3 CLASSROOM BLOCK (GRADE 1A-1C)
- G - PARK HOME
- H - 1 CLASSROOM BLOCK (GRADE 2F)
- I - 2 CLASSROOM BLOCK (GRADE 1D+1E)
- J - 2 CLASSROOM BLOCK (GRADE 2C+2D)
- K - 4 CLASSROOM BLOCK (GRADE 6A-6D)
- L - TEACHER ABLUTION BLOCK (2 CUBICLE)
- M - 4 CLASSROOM BLOCK (GRADE 7A-7D)
- N - 4 CLASSROOM BLOCK (GRADE 4A-4D)
- O - ADMIN
- P - 2 CLASSROOM BLOCK (GRADE 4E+5E)
- Q - 4 CLASSROOM BLOCK (GRADE 5A-5D)
- R - 2 CLASSROOM BLOCK (GRADE 1+2)
- S - 2 CLASSROOM BLOCK (GRADE 1+3)
- T - 4 CLASSROOM BLOCK (GRADE 2B+3C-3E)
- U - 3 CLASSROOM BLOCK (GRADE 2A+3A+3B)
- V - GUARD HOUSE
- W - FEMALE ABLUTION (10 CUBICLE)



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Education
PROVINCE OF KWAZULU-NATAL

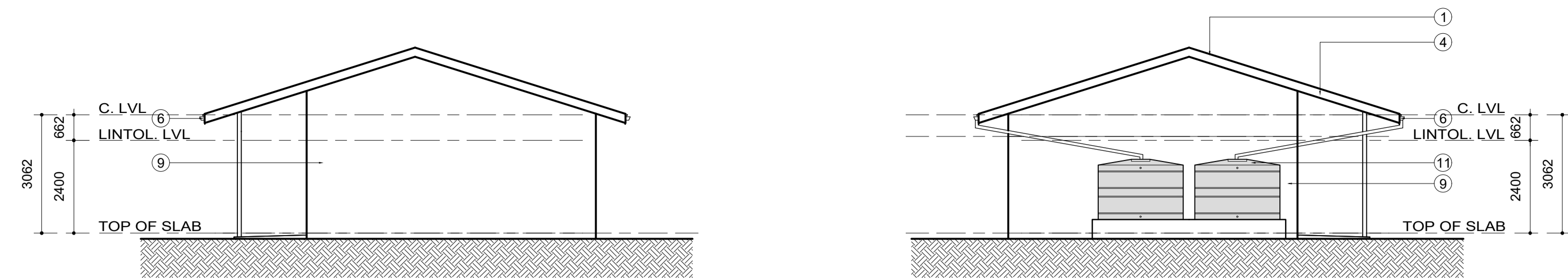
Engineering Joint Venture

discipline	ARCHITECTURAL
service	

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SACAP NO. : 6012

drawing title			
KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
MBASELA PRIMARY SCHOOL			
EMIS NO. : 500203870			
SITE PLAN			
ref.no.	000000	designed	000000
scale	AS INDICATED	drawn	KB
date	MAY 2019	checked	VG
drawing number	REV		

1120.19-MBA-GA-2001

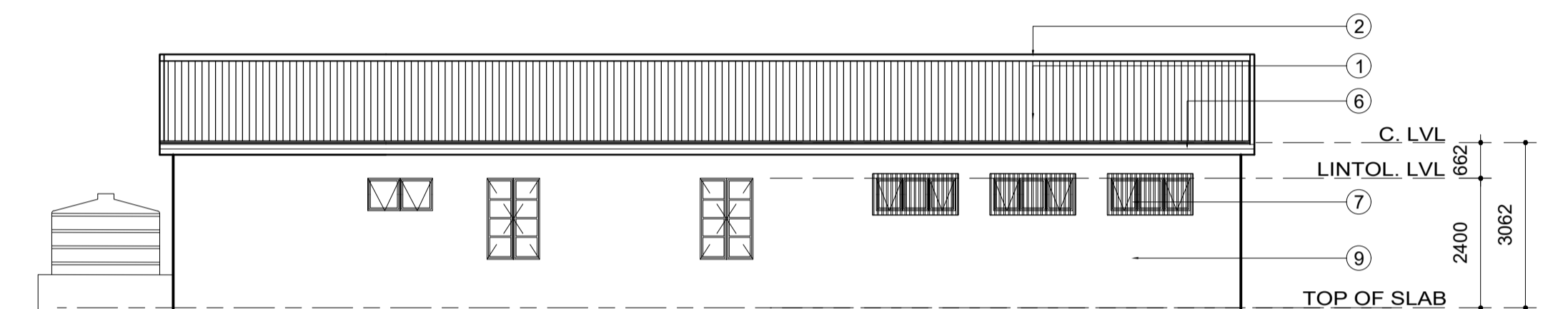


4 EAST ELEVATION
SCALE 1:100

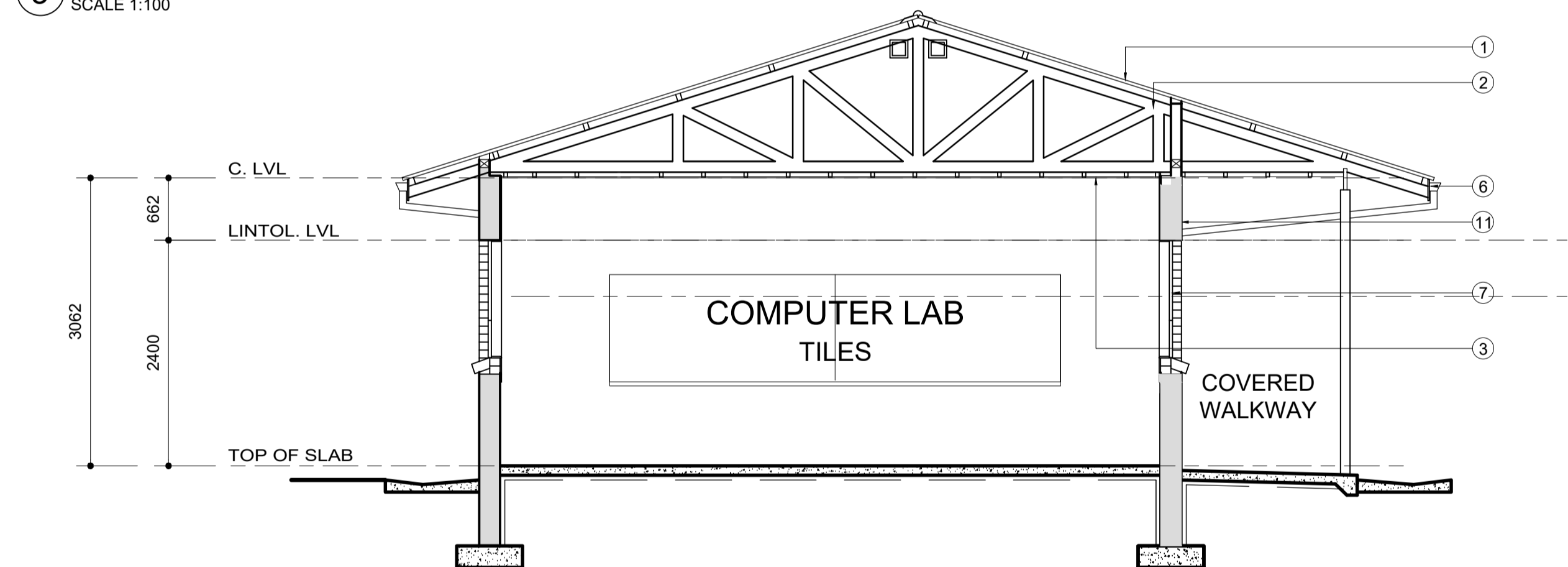
5 WEST ELEVATION
SCALE 1:100



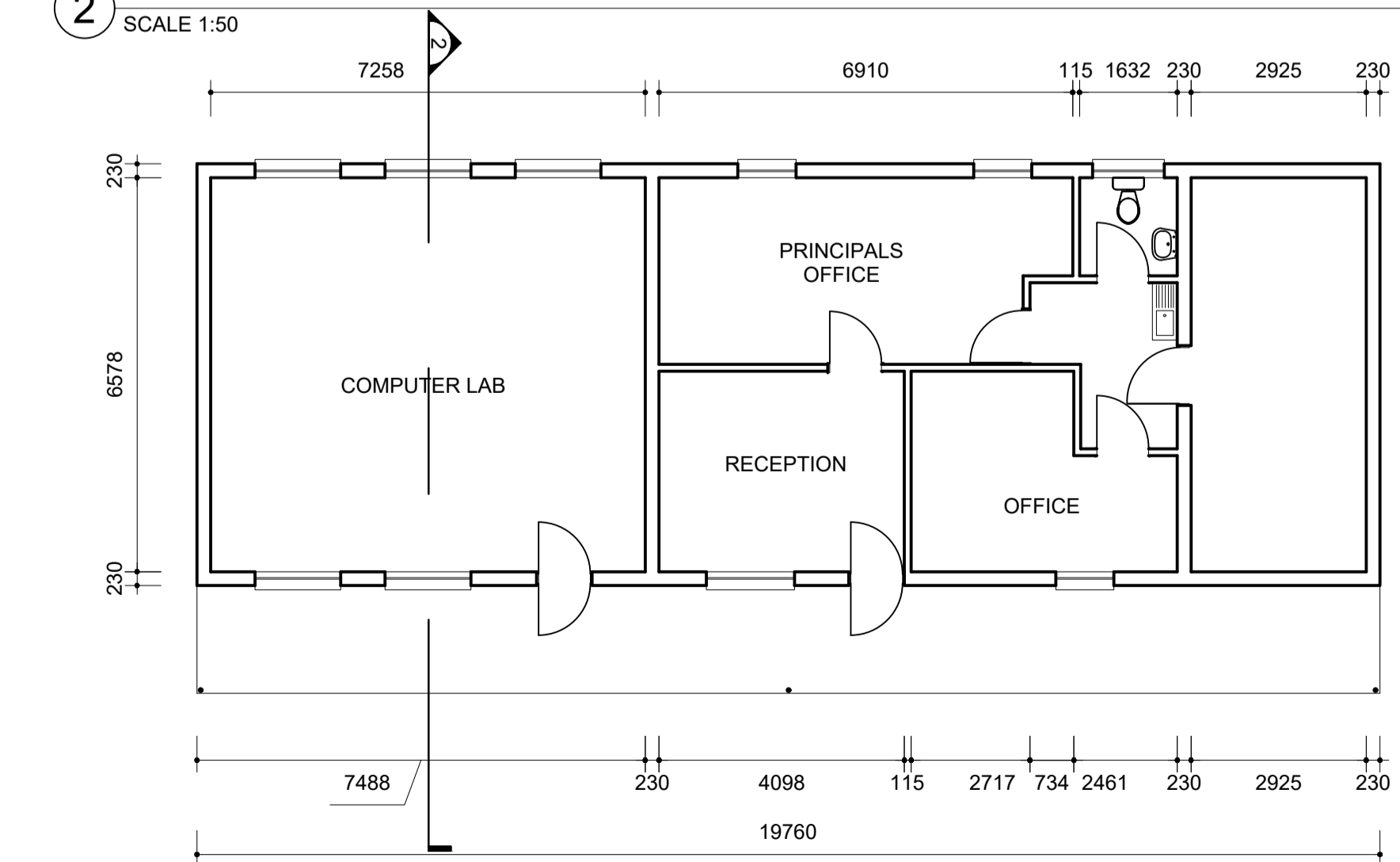
6 NORTH ELEVATION
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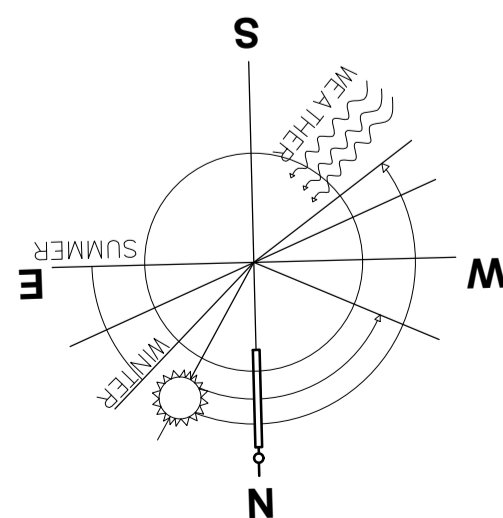
3 SOUTH ELEVATION
SCALE 1:100



2 SECTION
SCALE 1:50

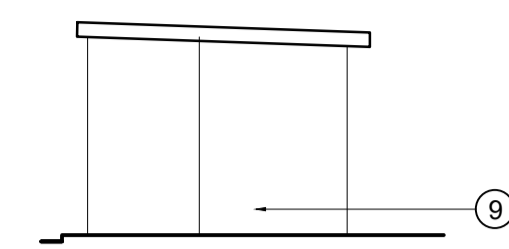


1 GROUND FLOOR PLAN
SCALE 1:100

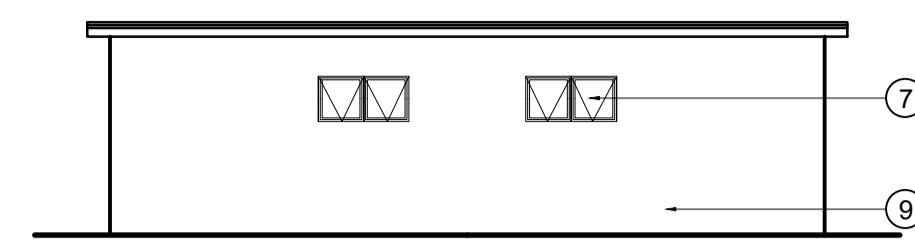


LEGEND

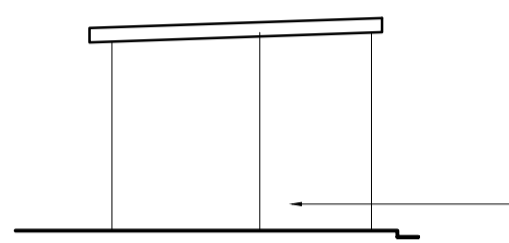
- Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting on timber purlins to engineers details.
- Existing timber trusses to remain with new 0.50 mm - G550 AZ150, ColorPlus® Steel IBR with integral stiffening rib steel roof sheeting and accessories with ColorPlus® and ZincAL® 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 branding 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
- REFURBISH windows and provide new GLAZING 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/External walls to be re-plastered and primed and painted..
- 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.
- New 100Ø GMS balustrade match existing All to Engineers detail



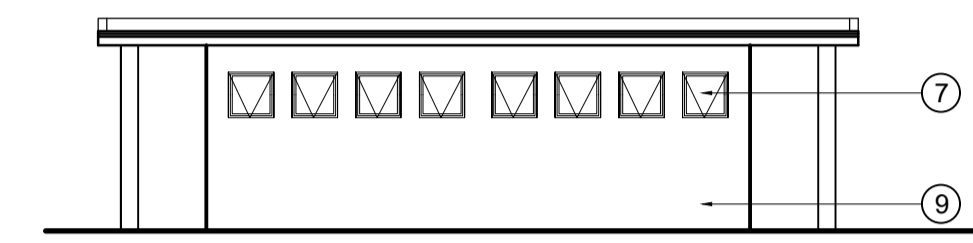
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SCALE 1:100



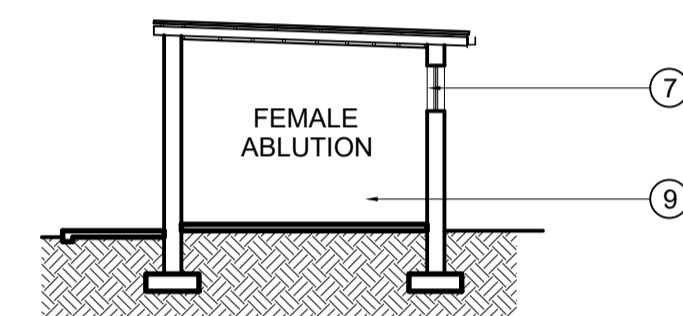
5 EAST ELEVATION
SCALE 1:100



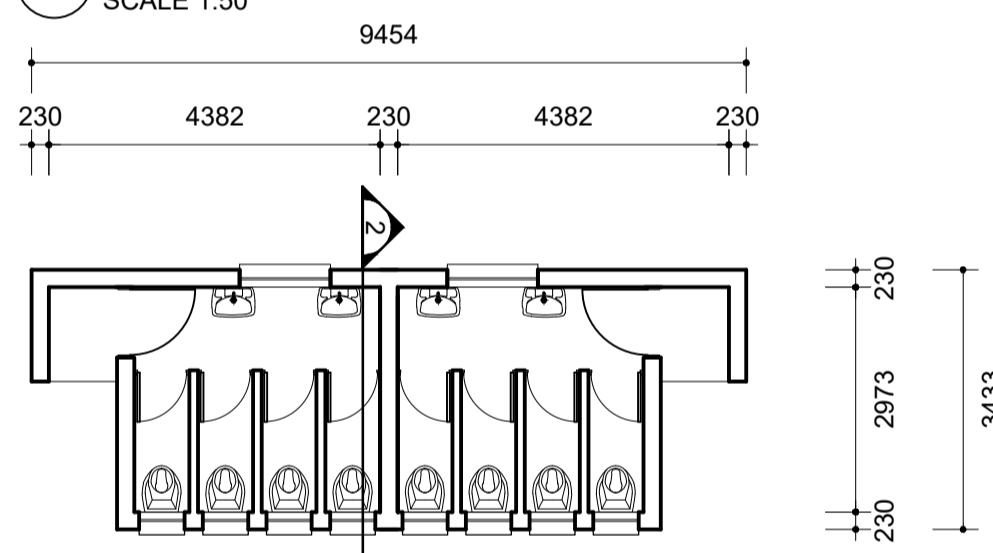
3 SOUTH ELEVATION
SCALE 1:100



6 WEST ELEVATION
SCALE 1:100



2 SECTION
SCALE 1:50



1 GROUND FLOOR PLAN
SCALE 1:100

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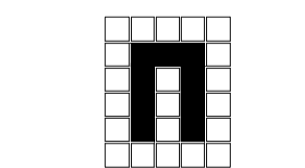
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Givpro
Engineering Joint Venture

education
Department:
Education
PROVINCE OF KWAZULU-NATAL

discipline ARCHITECTURAL

service



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SACAP No. : 6012

drawing title

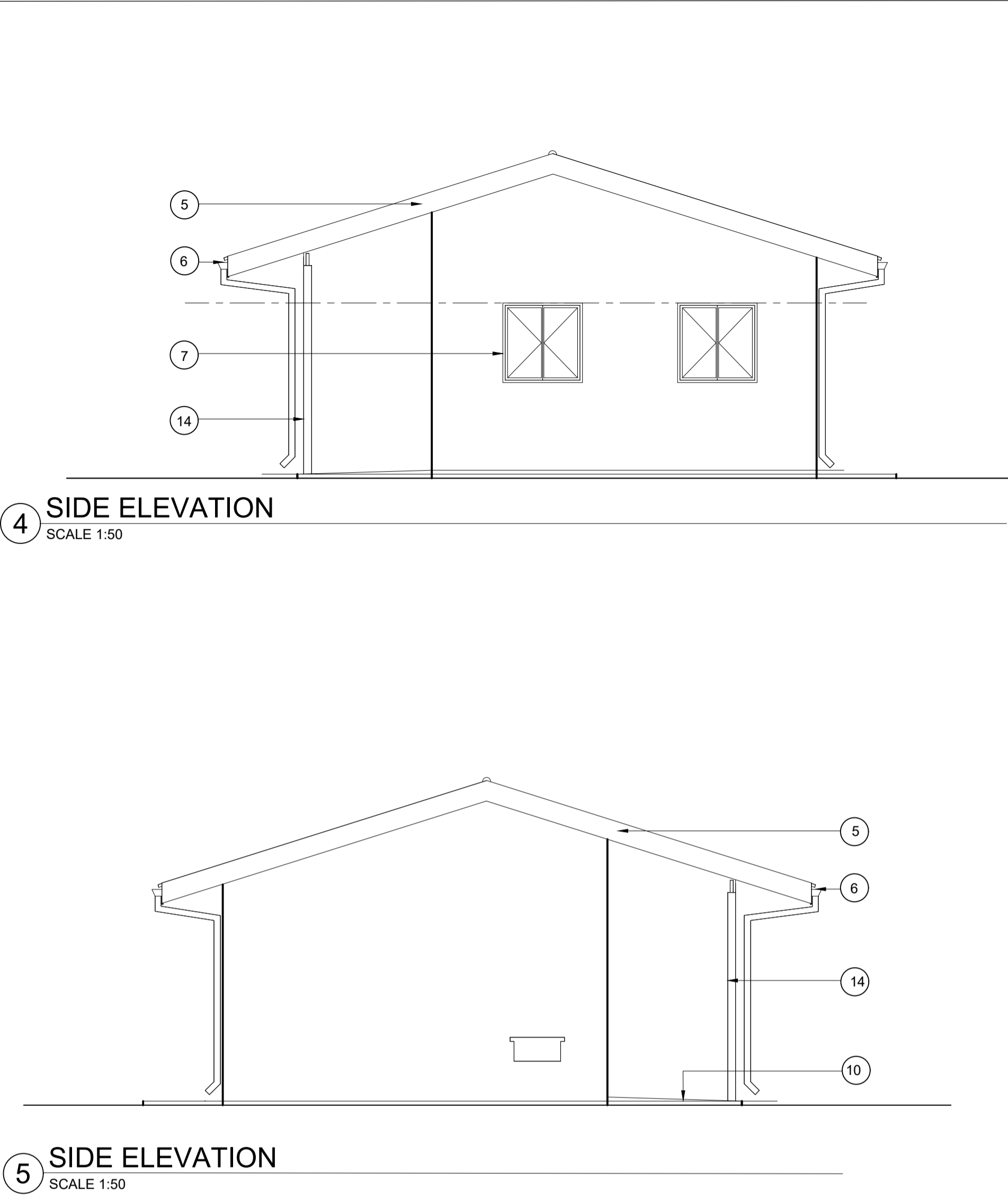
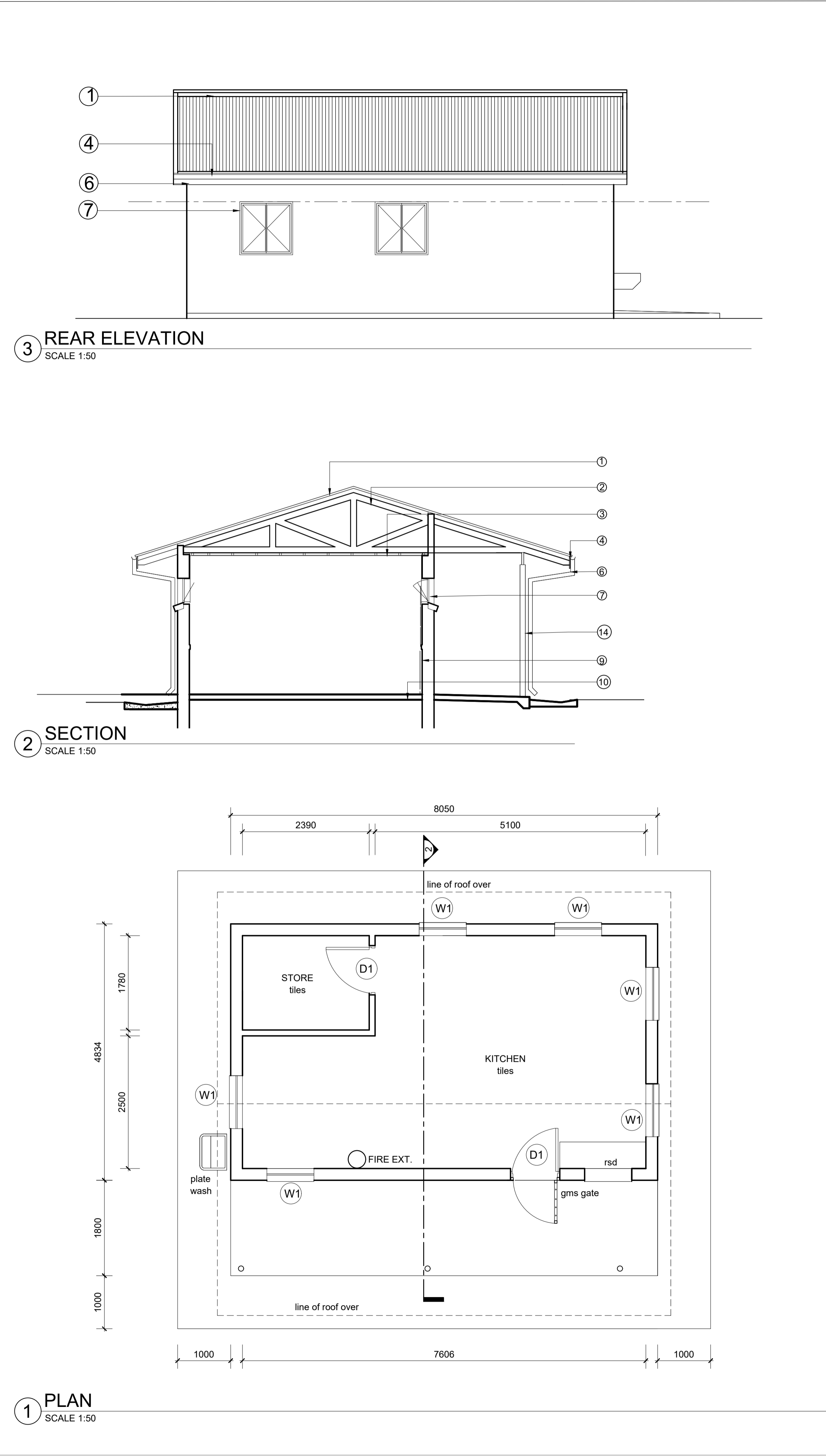
KZN D.O.E. INFRASTRUCTURE
DEVELOPMENT AND MAINTENANCE
PROGRAMME

MBASELA PRIMARY SCHOOL

EXISTING ADMIN BLOCK Q/ MALE AND FEMALE ABLUTIONS BLOCK W
PLAN, SECTION, ELEVATION

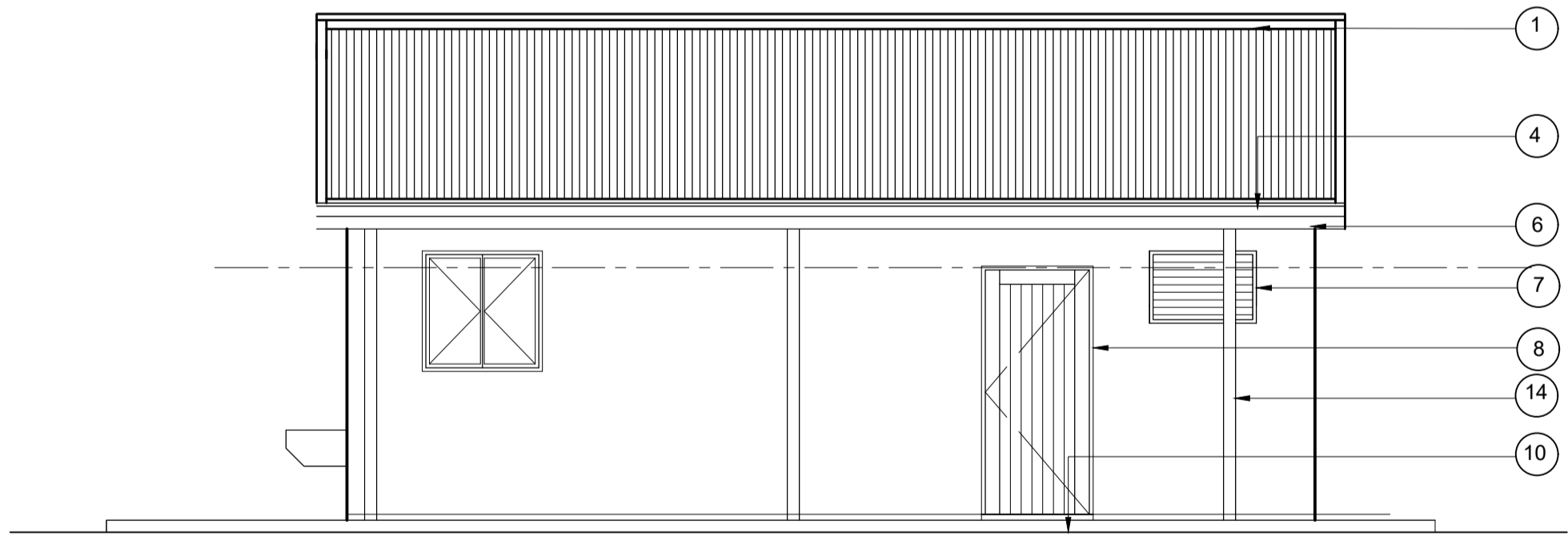
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scale	AS INDICATED	drawn	KB
date	MAY 2019	checked	LC
drawing number			REV

1120.19-MBA-GA-2014



LEGEND

- Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting on timber purlins to engineers details.
- Existing timber trusses to be replaced with prefabricated timber roof trusses at 17.5° roof pitch to take 0.55mm ibr colourplus - az 150 roof sheeting and sisalation with ridge flashing.
- 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 damaged gutters and downpipes with new aluminium gutters and downpipes
- Rub, prime and paint all steel windows allow for replacement of window panes(40%)
- 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.
- GMS support posts with beam over to support roof above to Engineers detail.



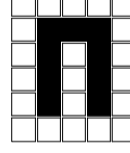
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discipline

ARCHITECTURAL

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SACAP NO. : 6012

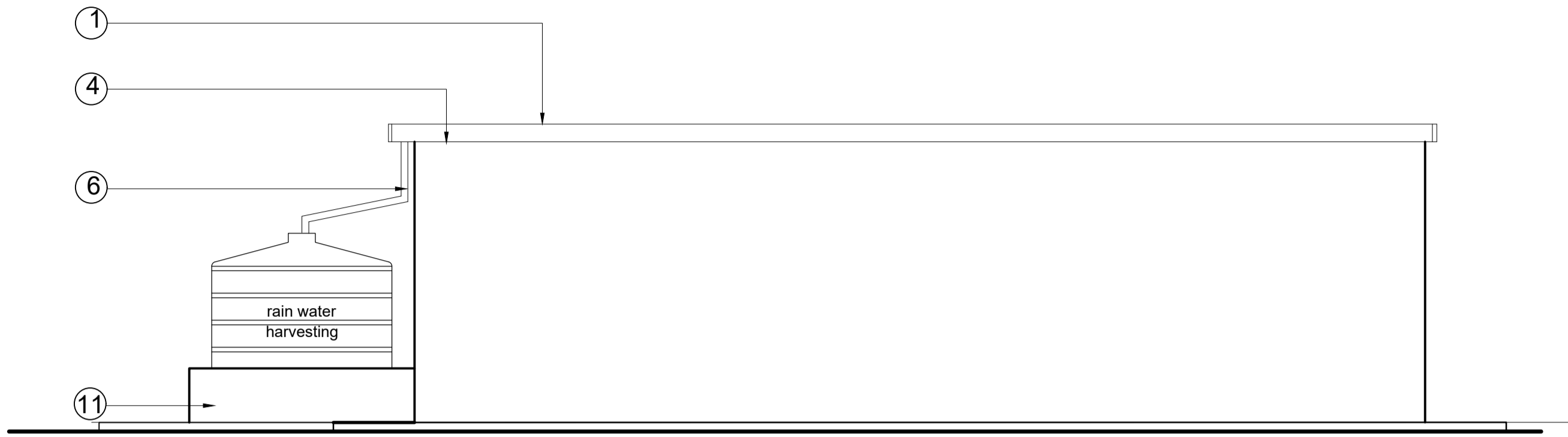
drawing title

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

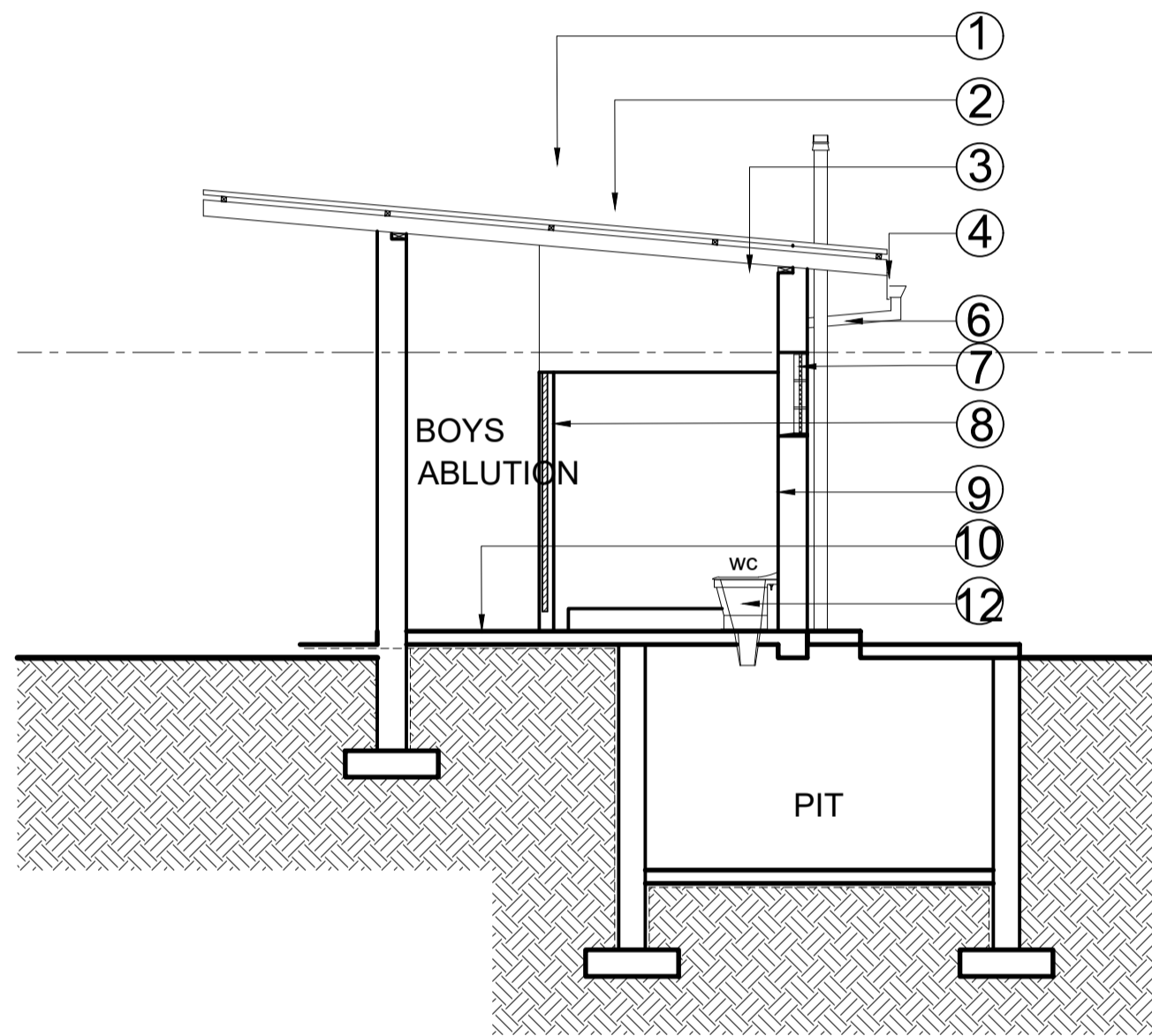
MBASELA PRIMARY SCHOOL
EXISTING BLOCK B
TYPICAL KITCHEN
PLAN,SECTION,ELEVATION

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date	MAY 2019	checked	LC
drawing number			REV

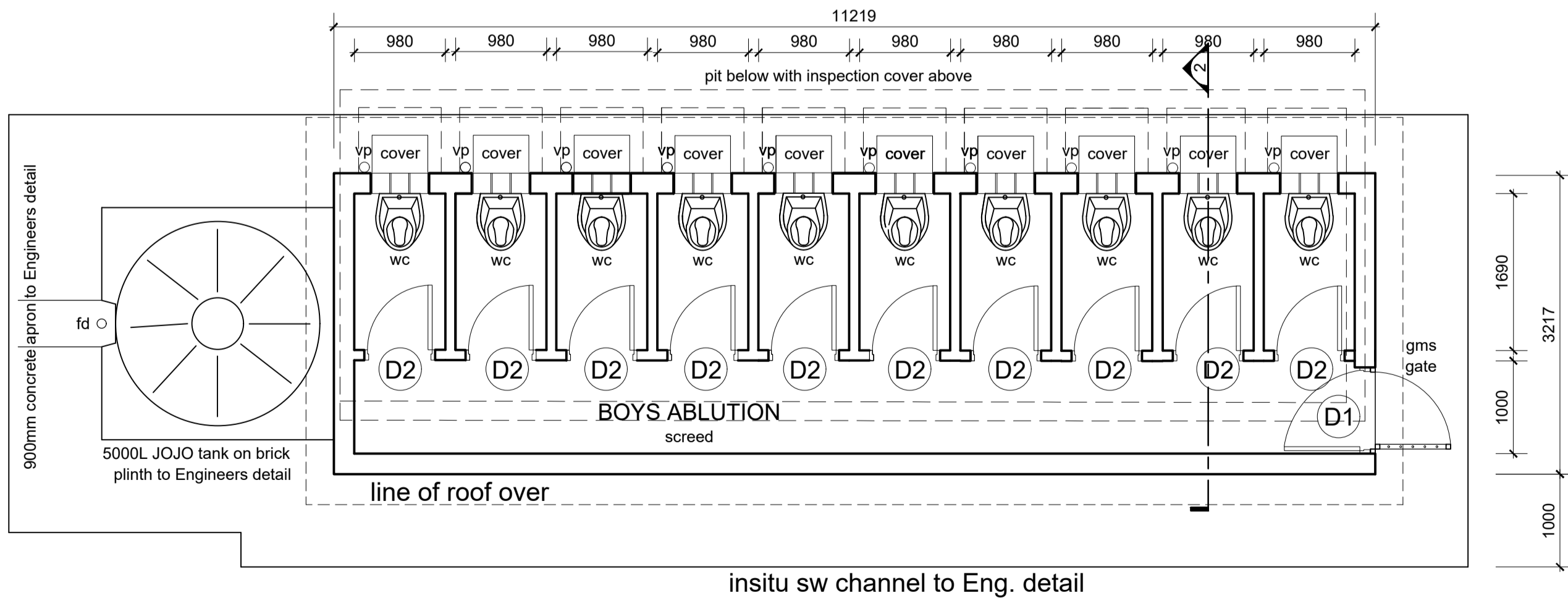
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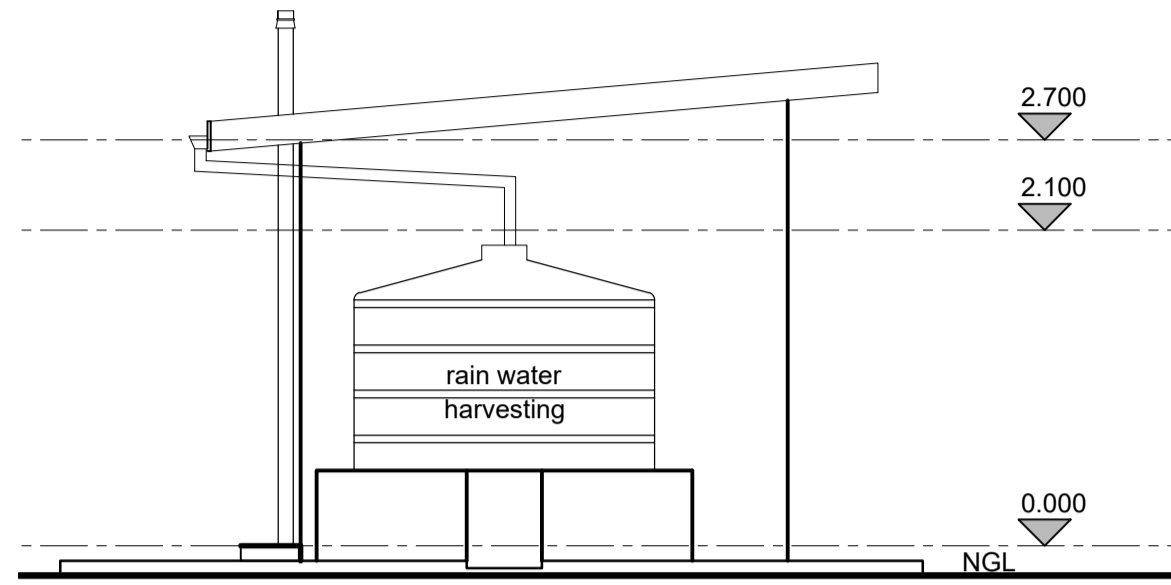
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SCALE 1:50



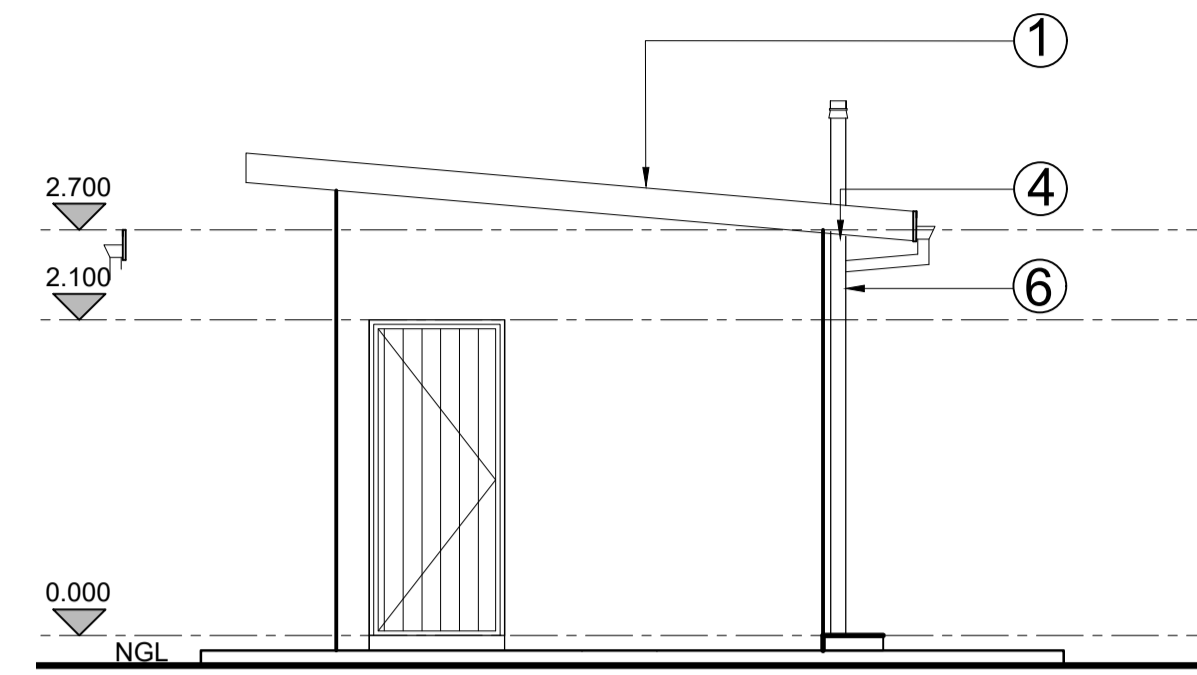
2 SECTION
SCALE 1:50



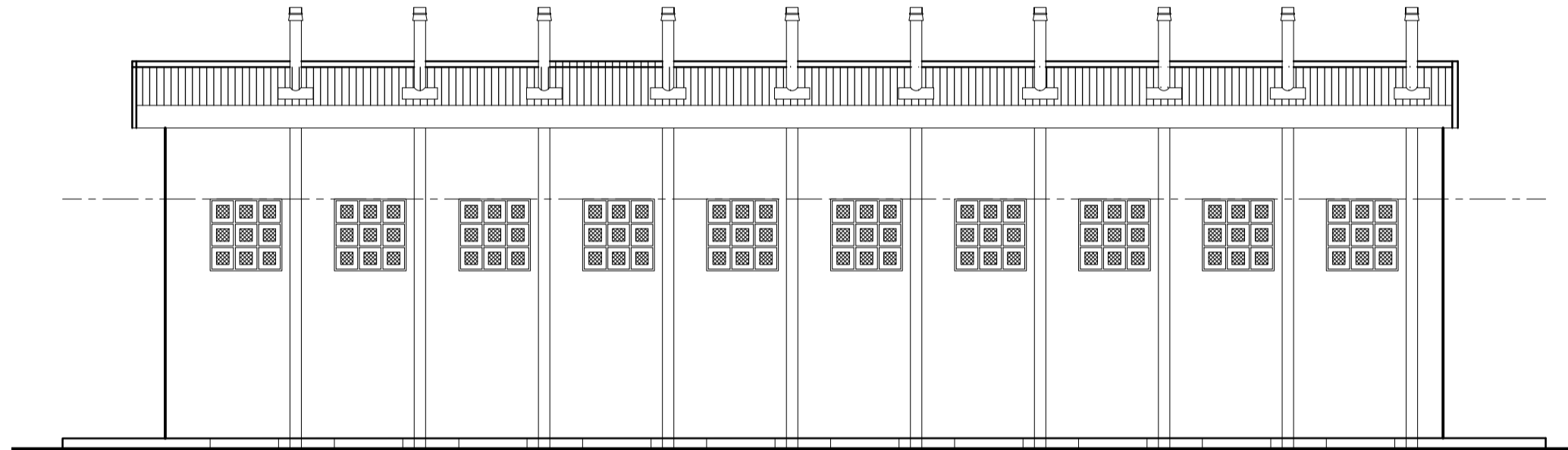
1 PLAN
SCALE 1:50



4 SIDE ELEVATION
SCALE 1:50



5 SIDE ELEVATION
SCALE 1:50



6 SIDE ELEVATION
SCALE 1:50

LEGEND

- Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting on timber purlins to engineers details.
- Existing timber trusses to be replaced with prefabricated timber roof trusses at 17,5° roof pitch to take 0.55mm ibr colourplus - az 150 roof sheeting and sisalation with ridge flashing.
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SACAP NO. : 6012

drawing title

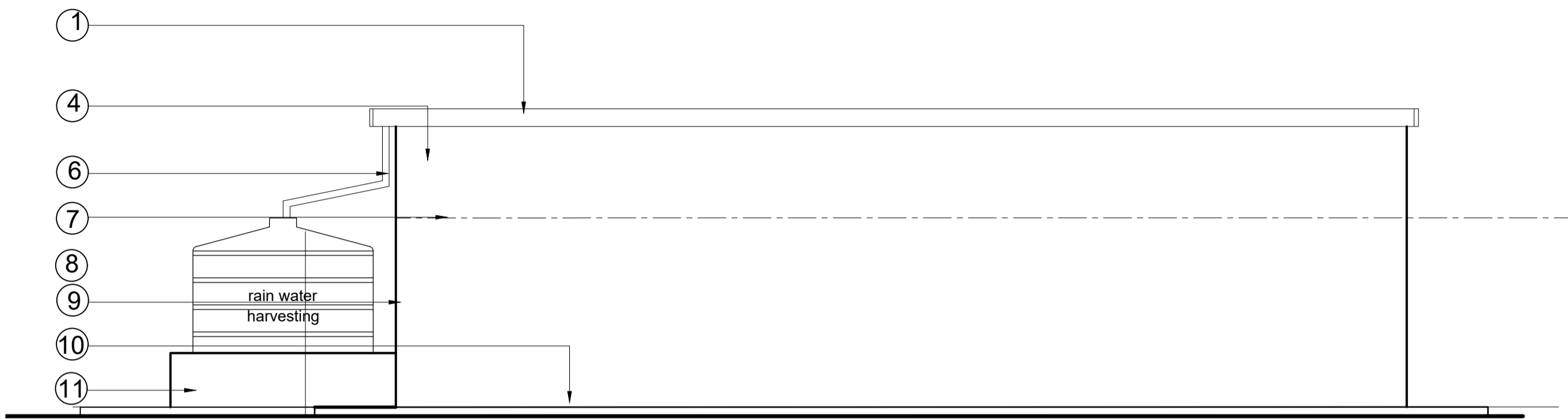
KZN D.O.E. INFRASTRUCTURE
DEVELOPMENT AND MAINTENANCE
PROGRAMME

MBASELA PRIAMARY SCHOOL

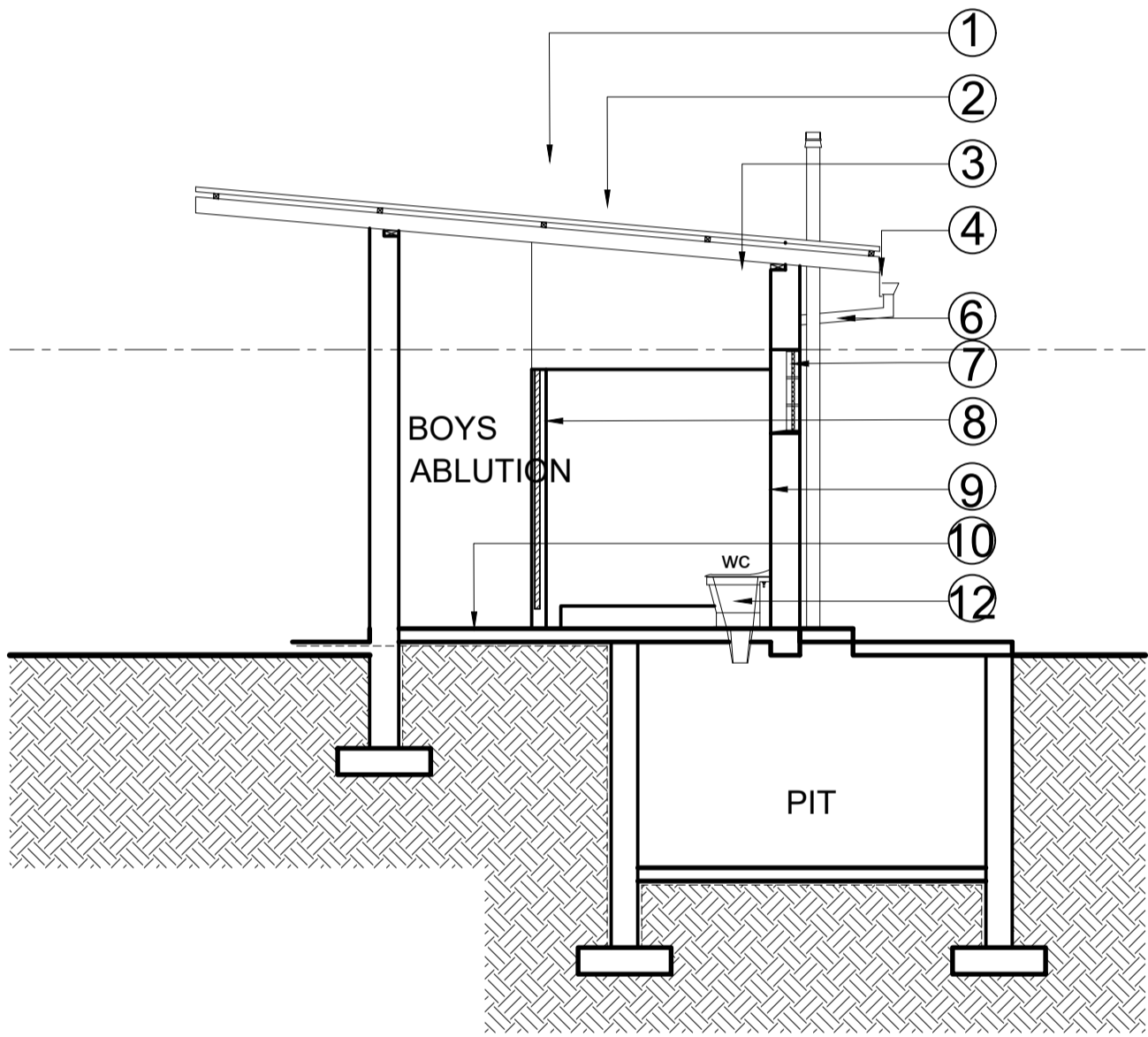
EXISTING BLOCK D
TYPICAL MALE ABLUTION (10 CUBICLE)
PLAN,SECTION,ELEVATION

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scale	AS INDICATED	drawn	KB
date	MAY 2019	checked	LC
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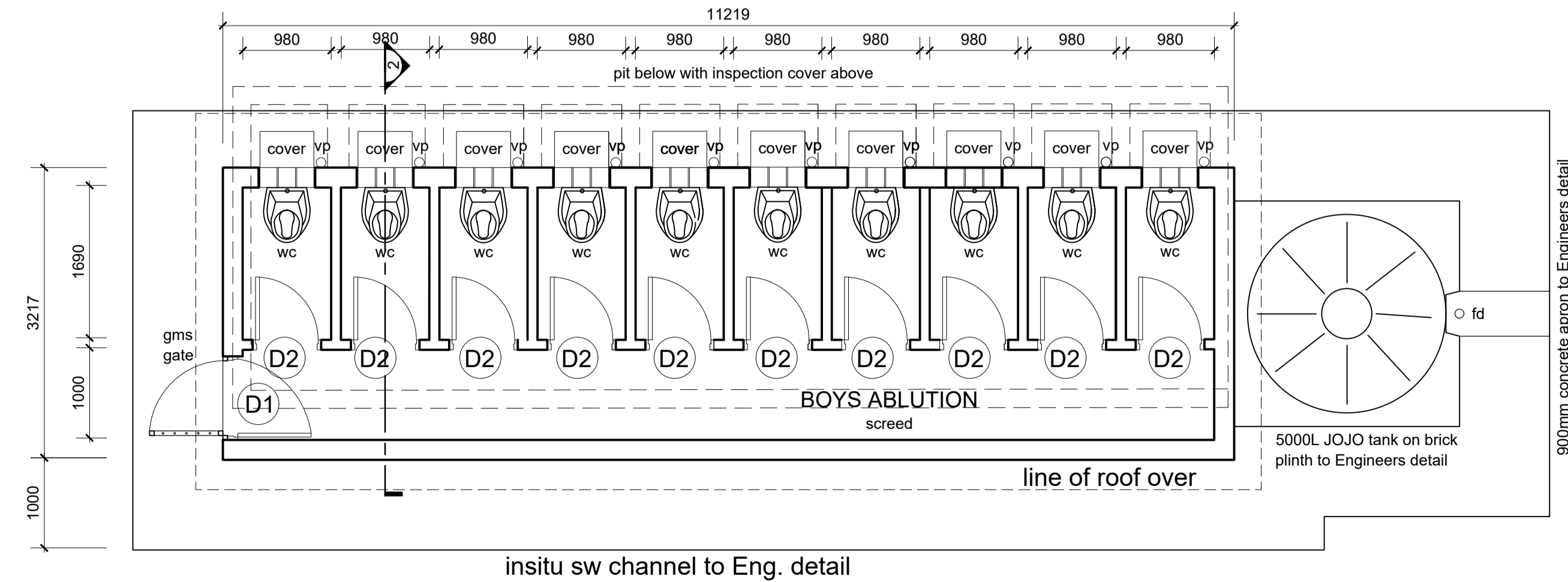
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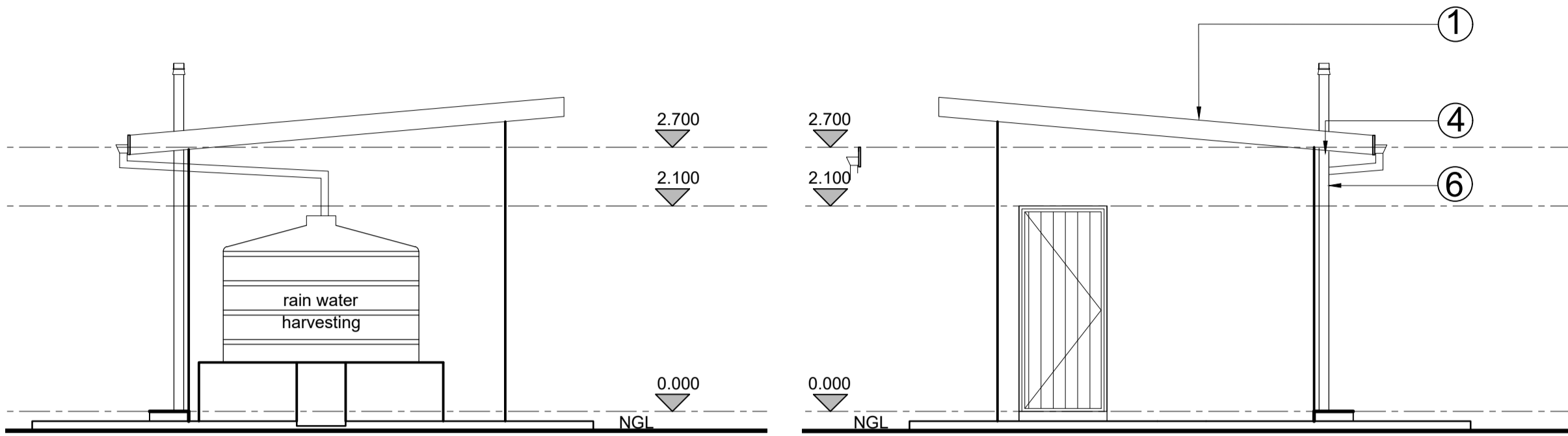
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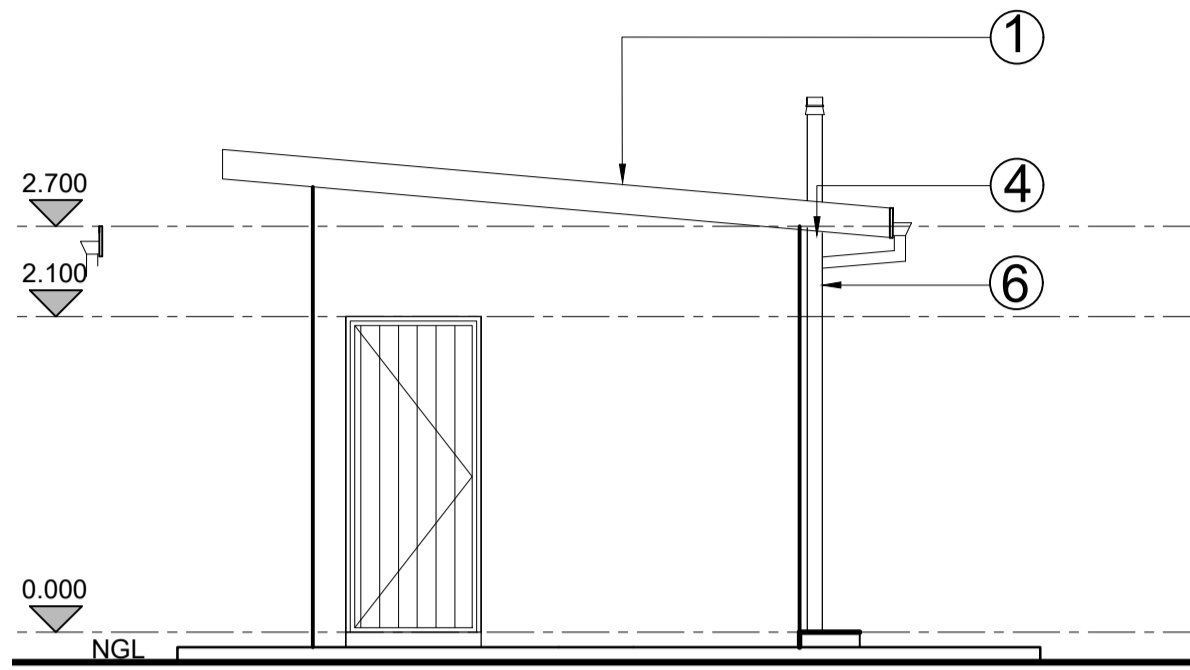
2 SECTION
SCALE 1:50



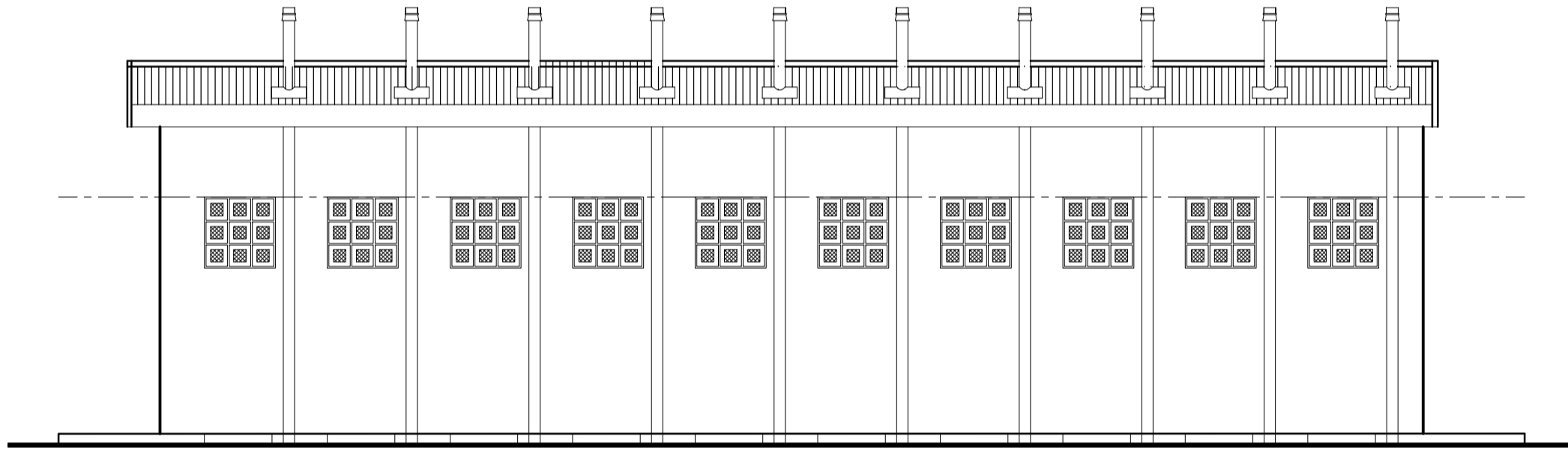
1 PLAN
SCALE 1:50



4 SIDE ELEVATION
SCALE 1:50



5 SIDE ELEVATION
SCALE 1:50



6 SIDE ELEVATION
SCALE 1:50

LEGEND

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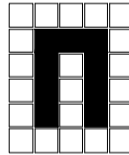
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KZN D.O.E. INFRASTRUCTURE
DEVELOPMENT AND MAINTENANCE
PROGRAMME

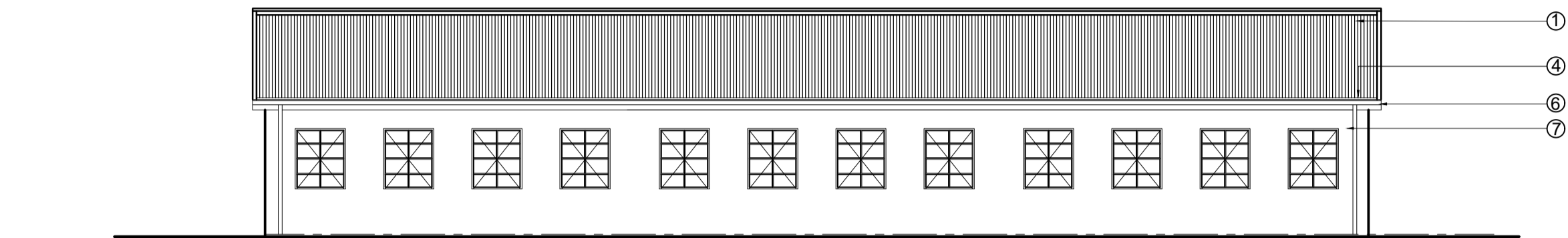
MBASELA PRIMARY SCHOOL
EXISTING BLOCK E
TYPICAL FEMALE ABLUTION (10 CUBICLE)
PLAN,SECTION,ELEVATION

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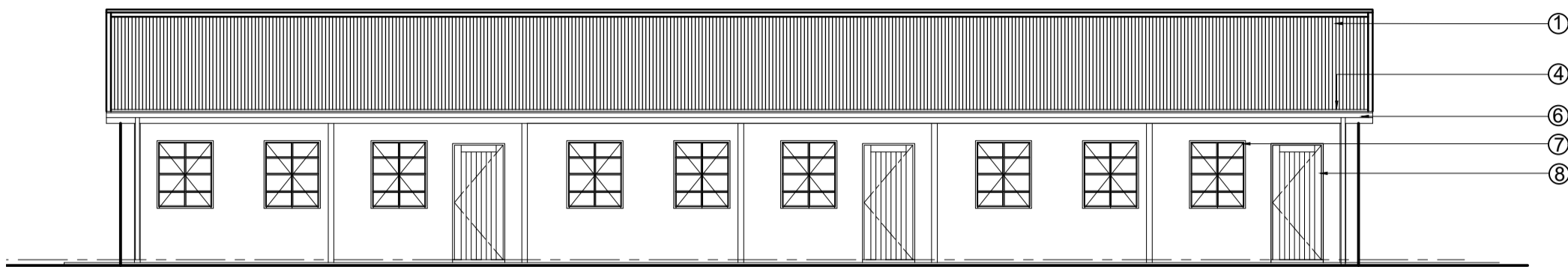
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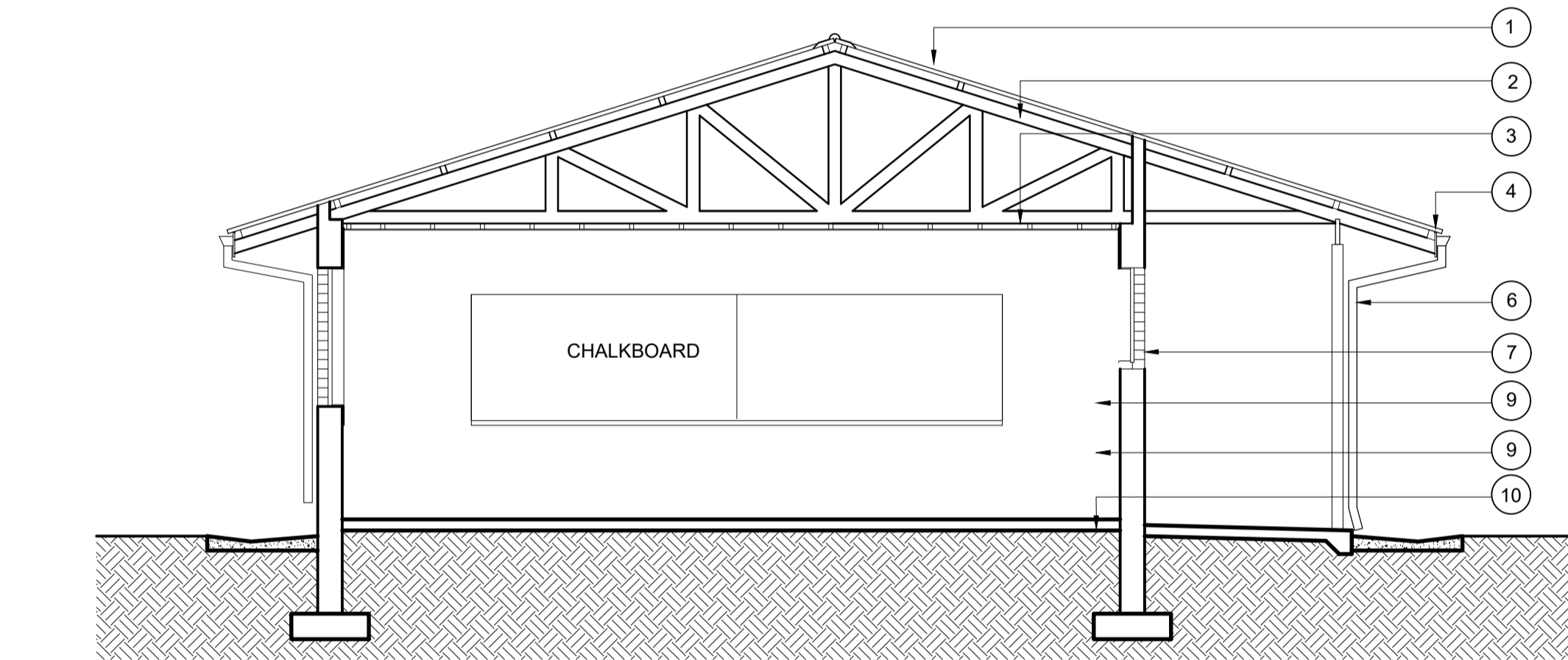
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3 SOUTH ELEVATION
SCALE 1:100



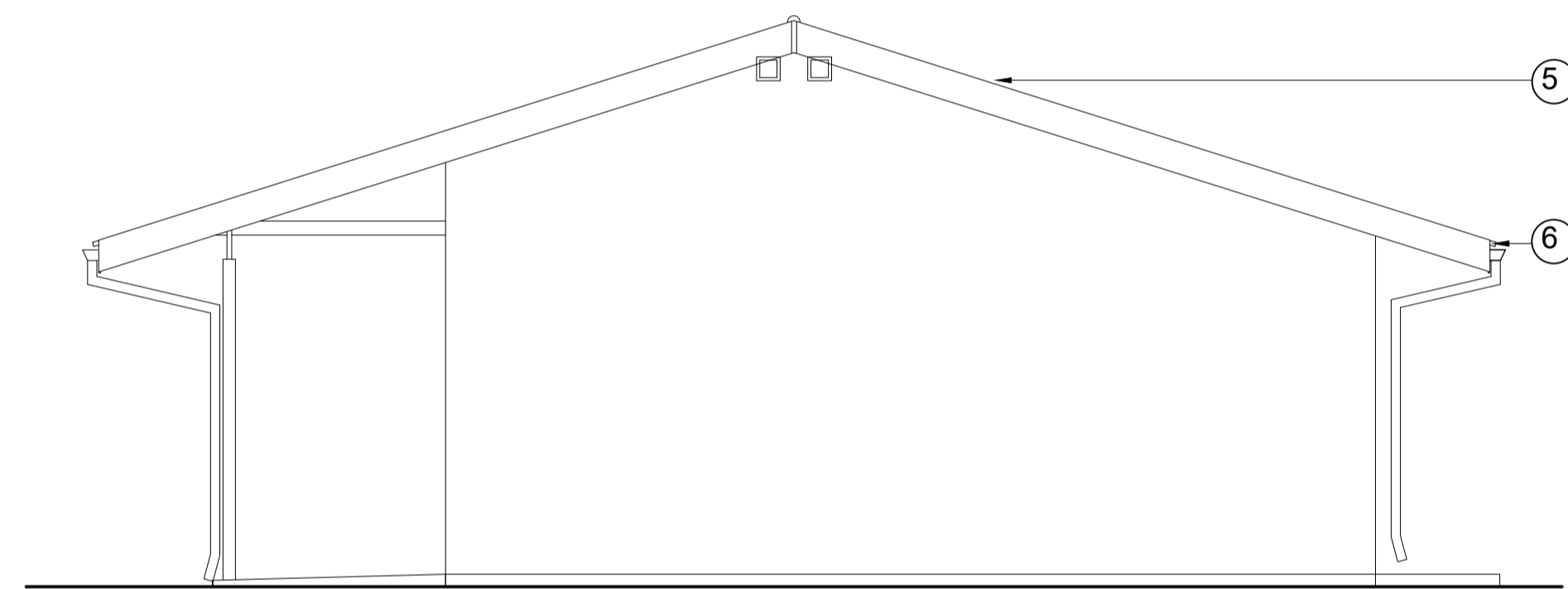
3 NORTH ELEVATION
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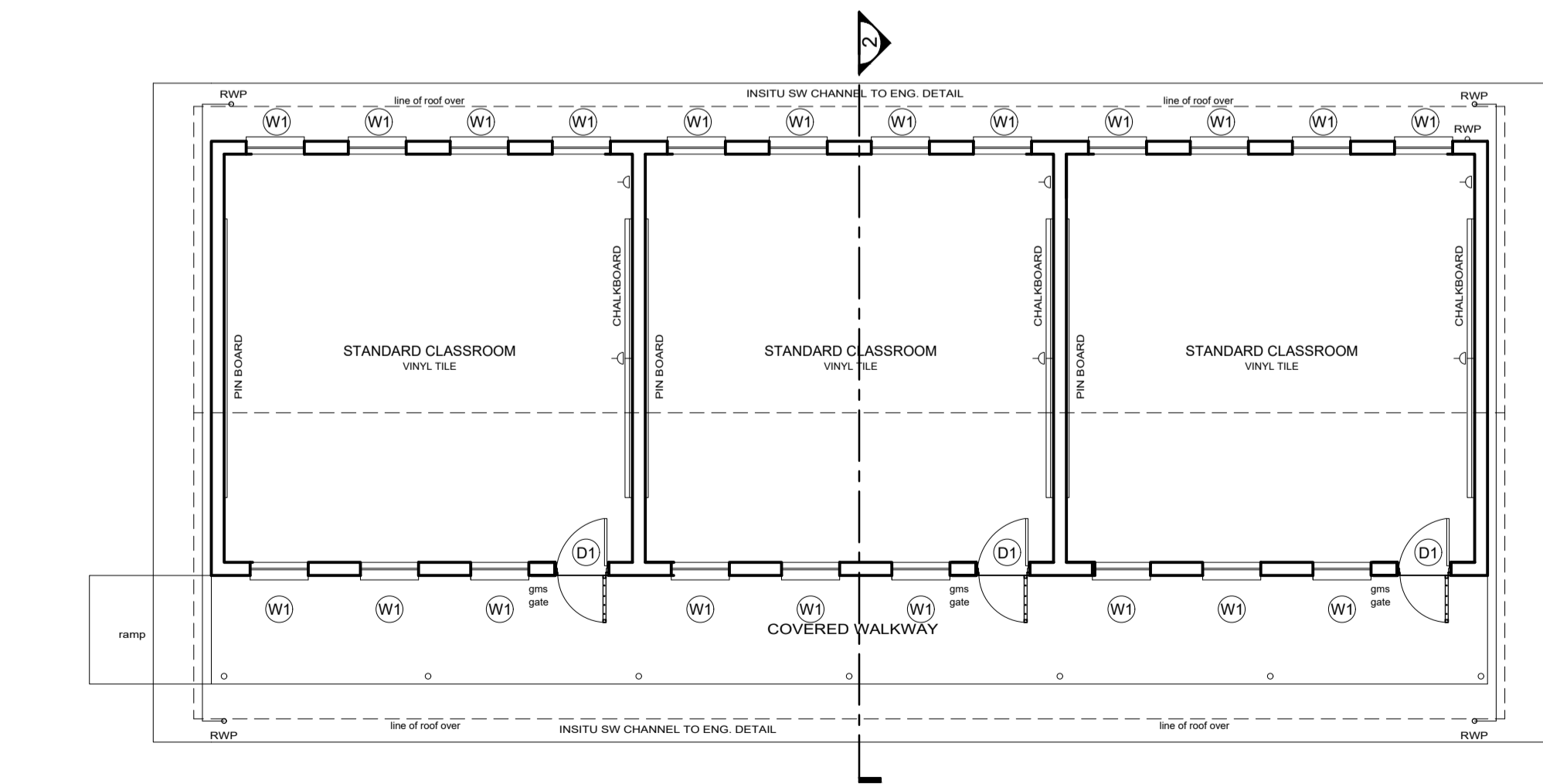
2 SECTION
SCALE 1:50

LEGEND

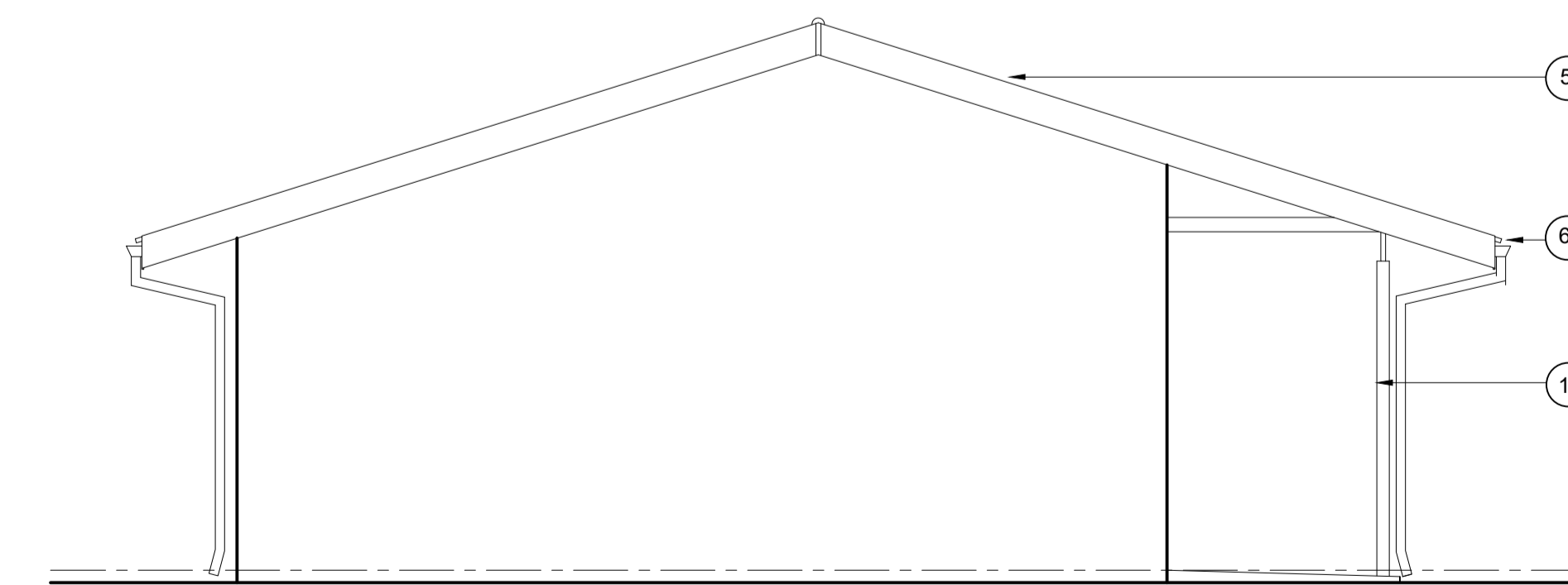
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4 WEST ELEVATION
SCALE 1:100

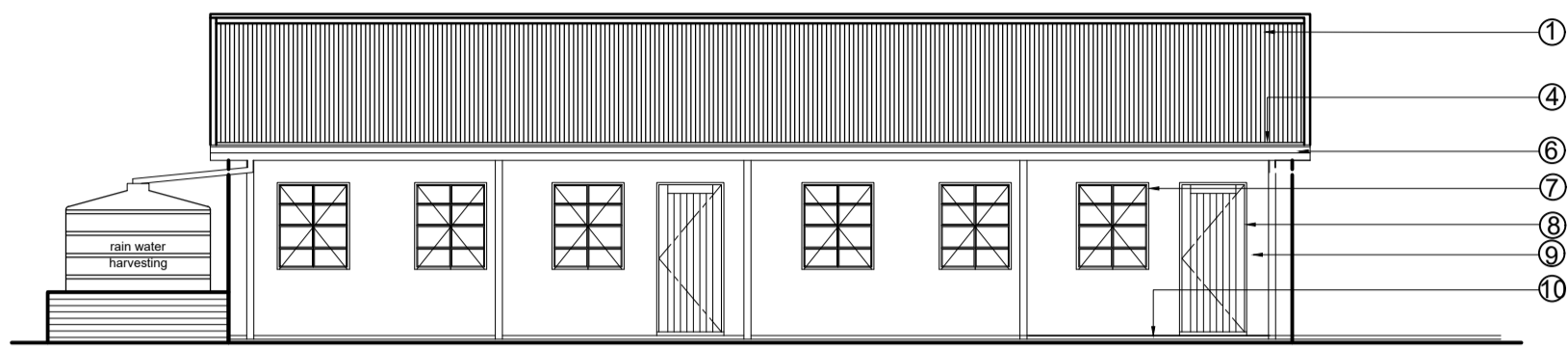


1 PLAN
SCALE 1:100

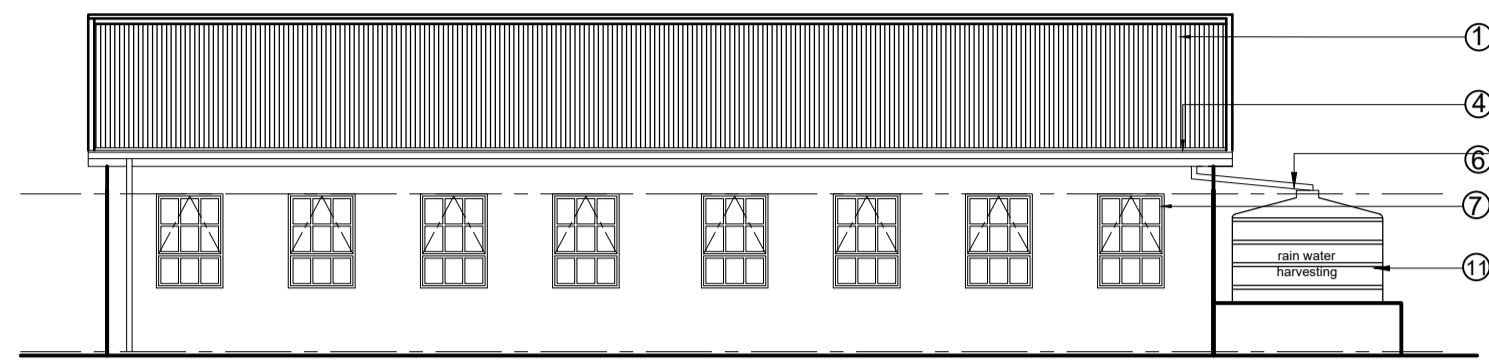


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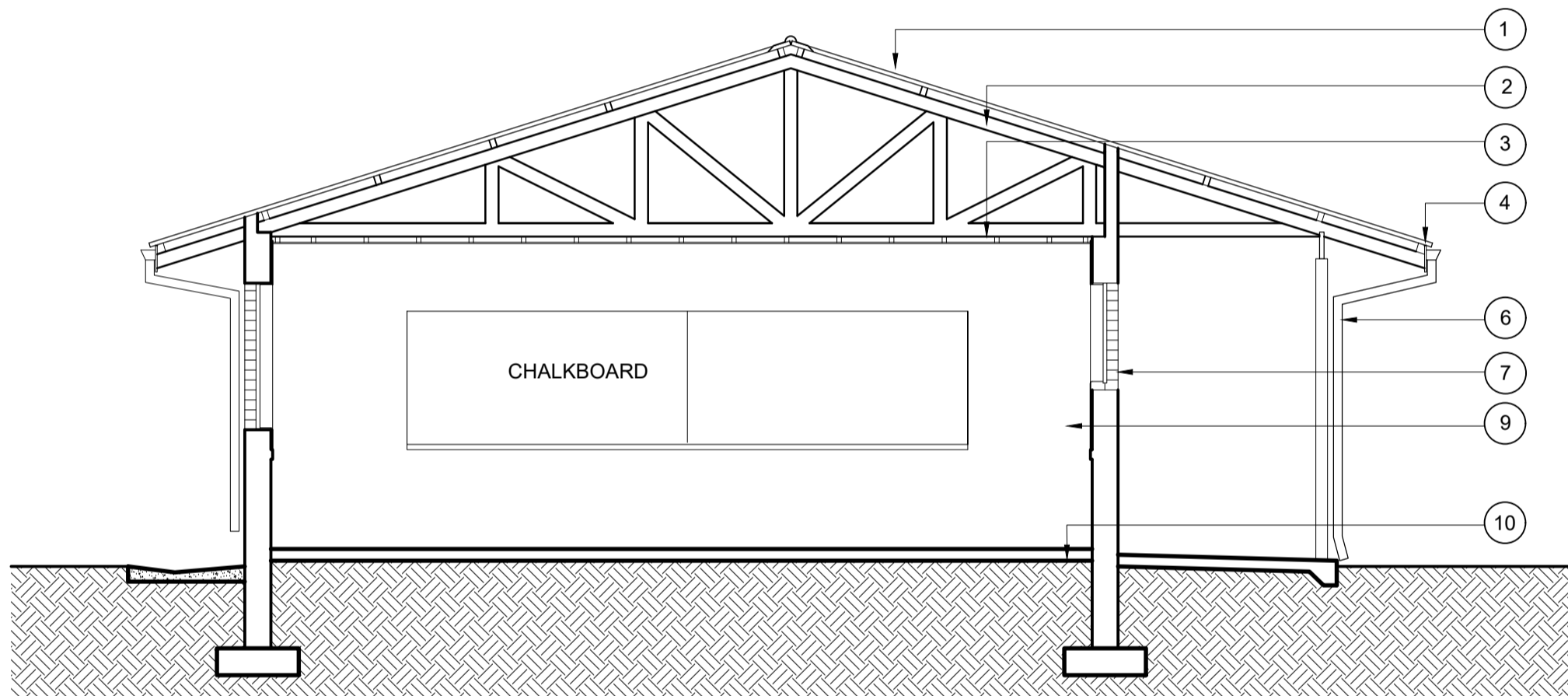
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Civpro Engineering Joint Venture			
education Department: Education PROVINCE OF KWAZULU-NATAL			
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service			
archiTRONIC architect, interior & urban designer project manager p.o.box 19383 dormenton 4015 phone : +27(31) 201 3533 fax : +27(31) 201 3550 e-mail : ravi@architronic.co.za SACAP NO. : 6012			
drawing title KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME MBASELA PRIMARY SCHOOL EXISTING BLOCK F TYPICAL 3 CLASSROOM BLOCK PLAN,SECTION,ELEVATION			
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scale	AS INDICATED	drawn	KB
date	MAY 2019	checked	LC
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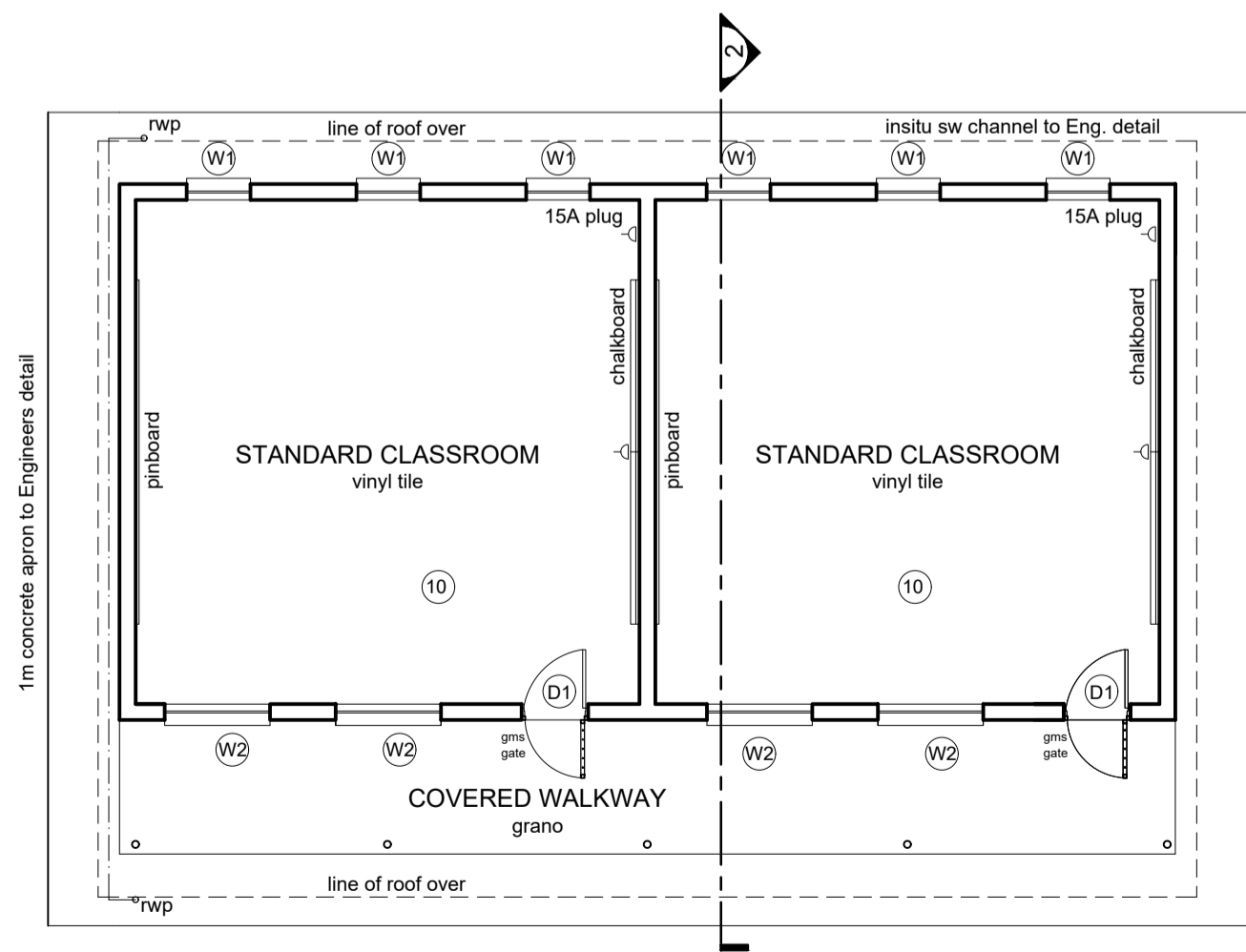
3 FRONT ELEVATION
SCALE 1:100



4 REAR ELEVATION
SCALE 1:100



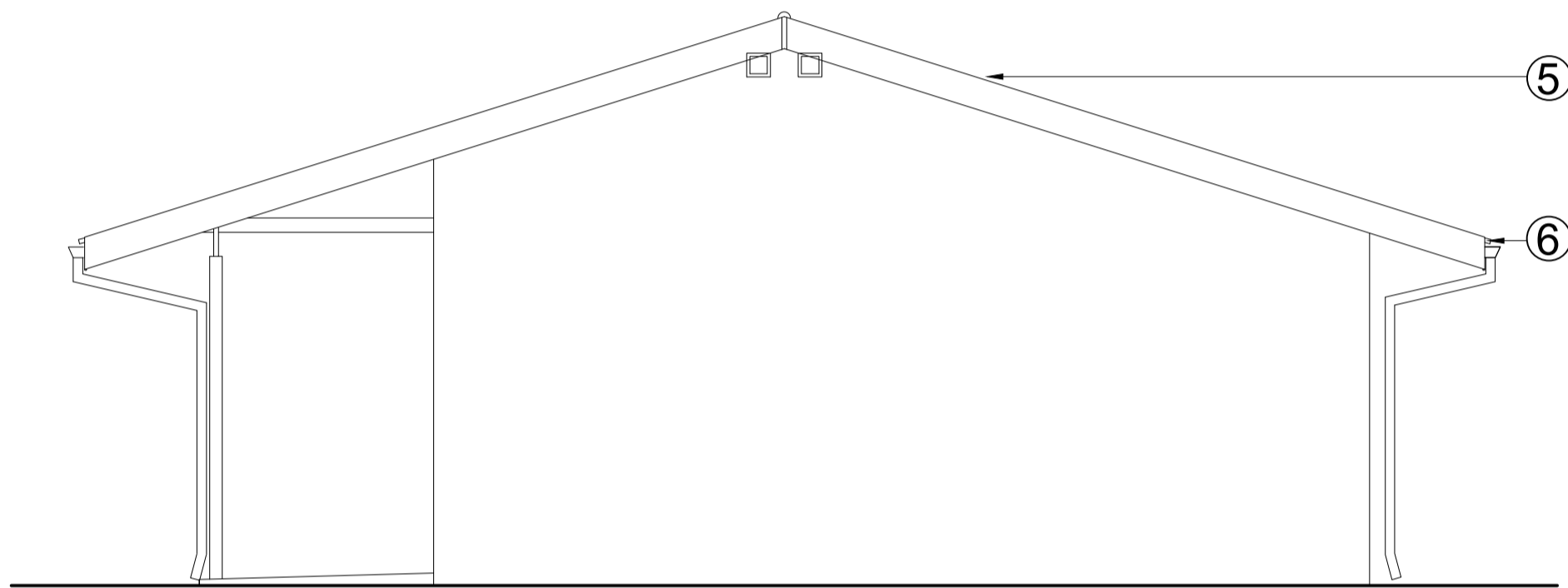
2 SECTION
SCALE 1:50



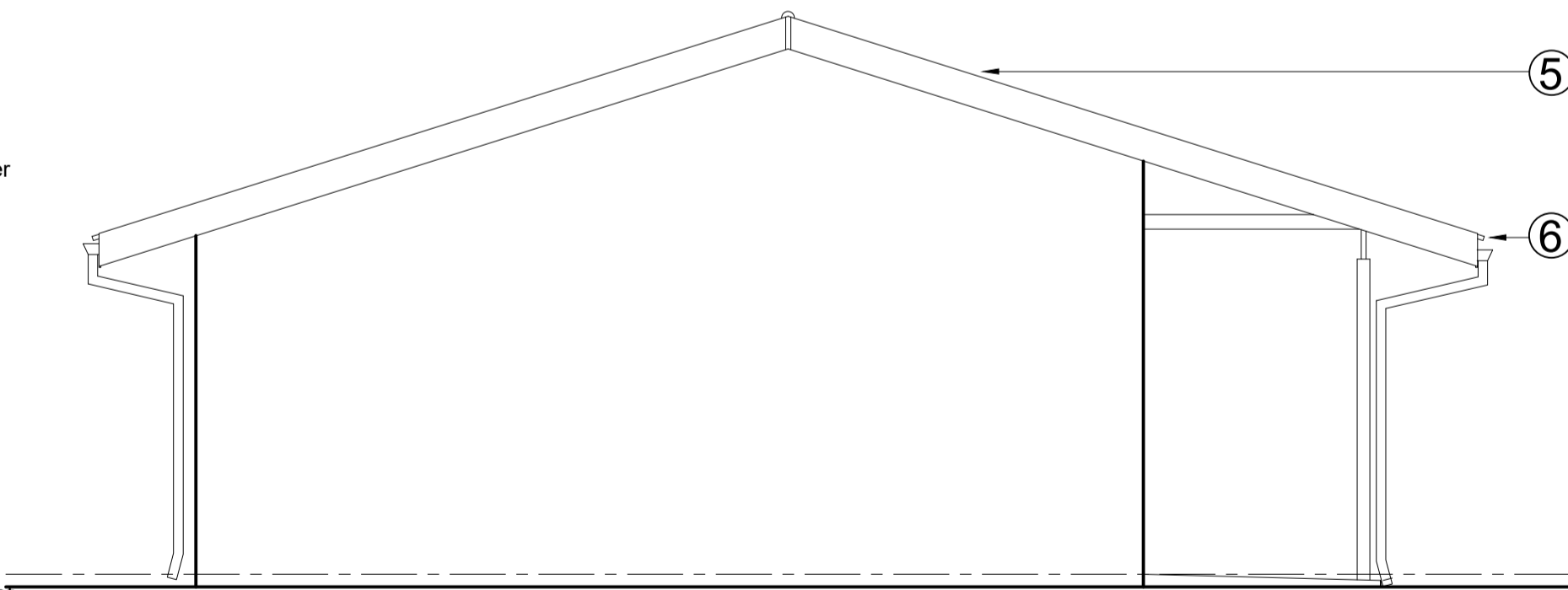
1 PLAN
SCALE 1:100

LEGEND

- Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting on timber purlins to engineers details.
- Existing timber trusses to be replaced with prefabricated timber roof trusses at 17,5° roof pitch to take 0.55mm ibr colourplus - az 150 roof sheeting and sisalation with ridge flashing.
- Existing ceiling to be removed and replaced with Rhinoboard ceilings including brandering 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 damaged gutters and downpipes with new aluminium gutters and downpipes
- Rub, prime and paint all steel windows allow for replacement of window panes(40%)
- 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.
- GMS support posts with beam over to support roof above to Engineers detail.



5 SIDE ELEVATION
SCALE 1:100

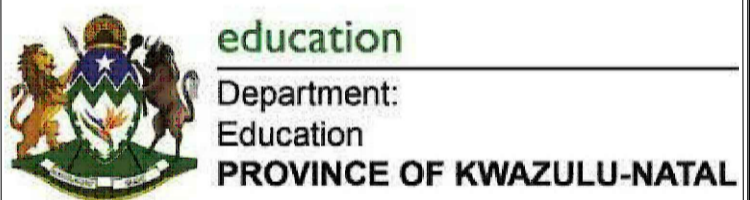


6 SIDE ELEVATION
SCALE 1:100

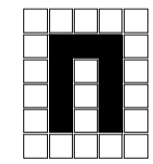
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discipline ARCHITECTURAL
service

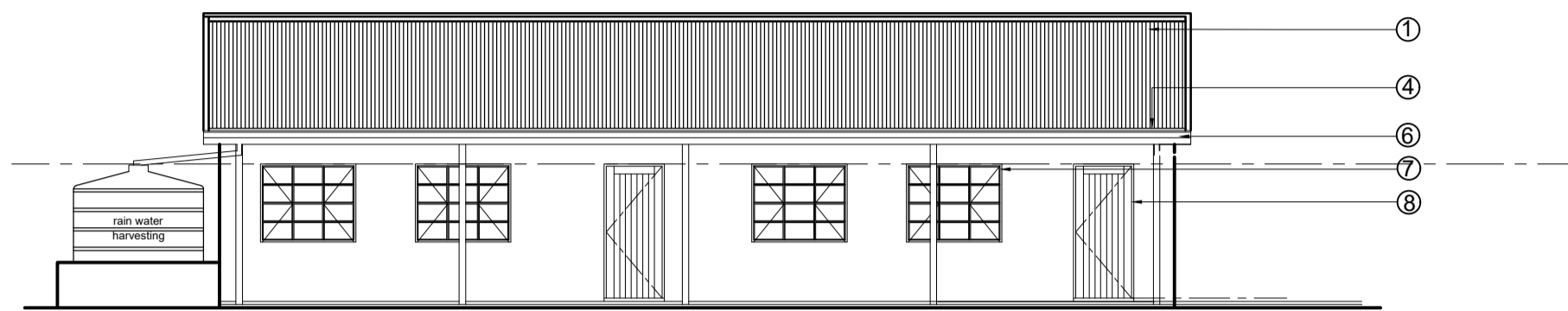


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SACAP NO. : 6012

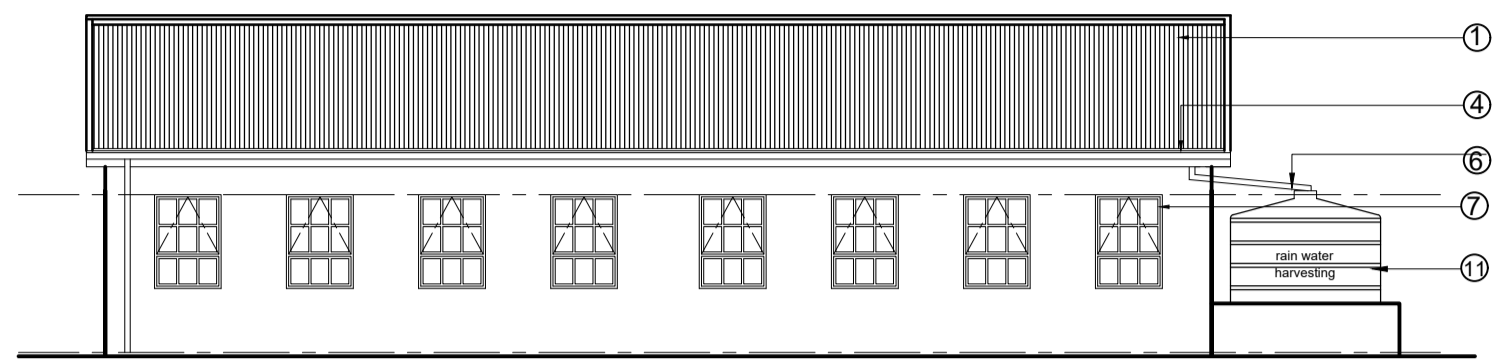
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KZN D.O.E. INFRASTRUCTURE
DEVELOPMENT AND MAINTENANCE
PROGRAMME
MBASELA PRIMARY SCHOOL
EXISTING BLOCK 1
TYPICAL 2 CLASSROOM BLOCK
PLAN,SECTION,ELEVATION

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drawing number			REV

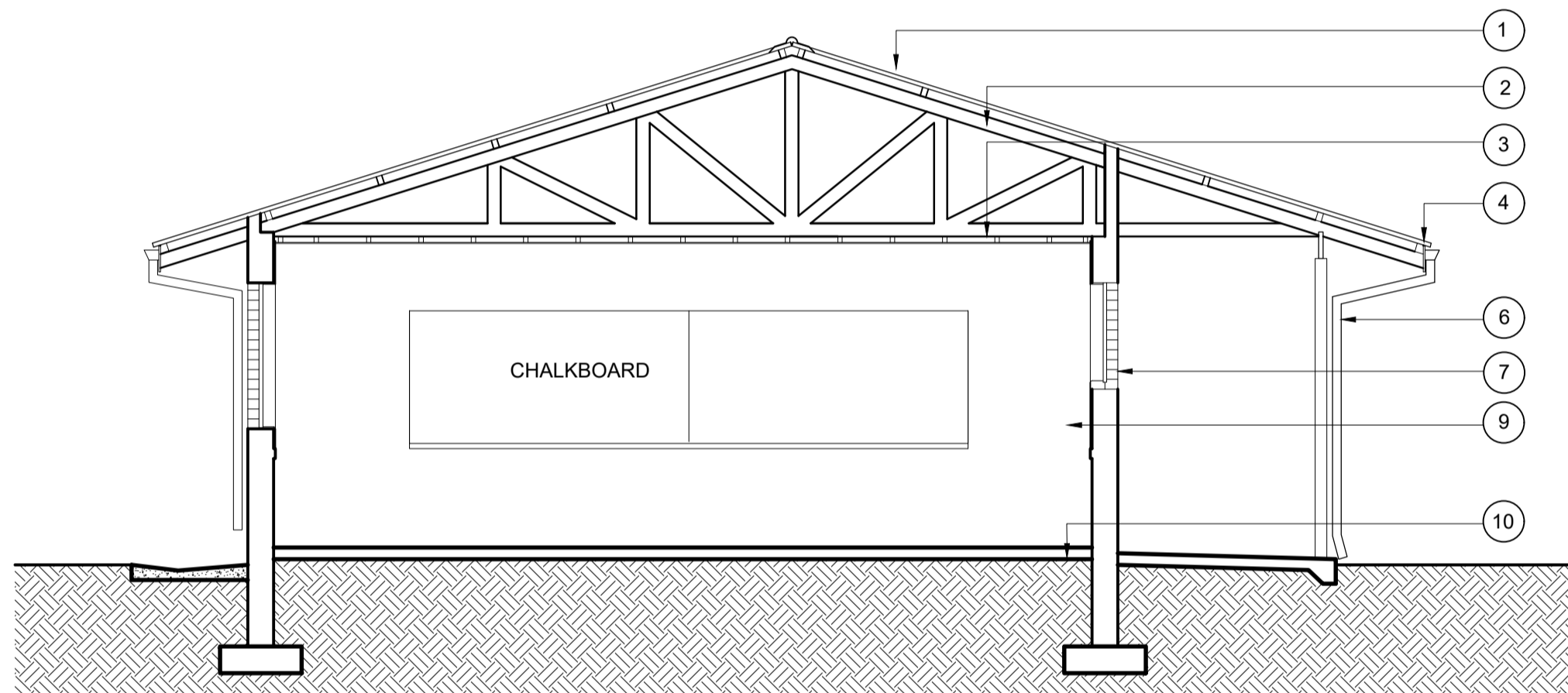
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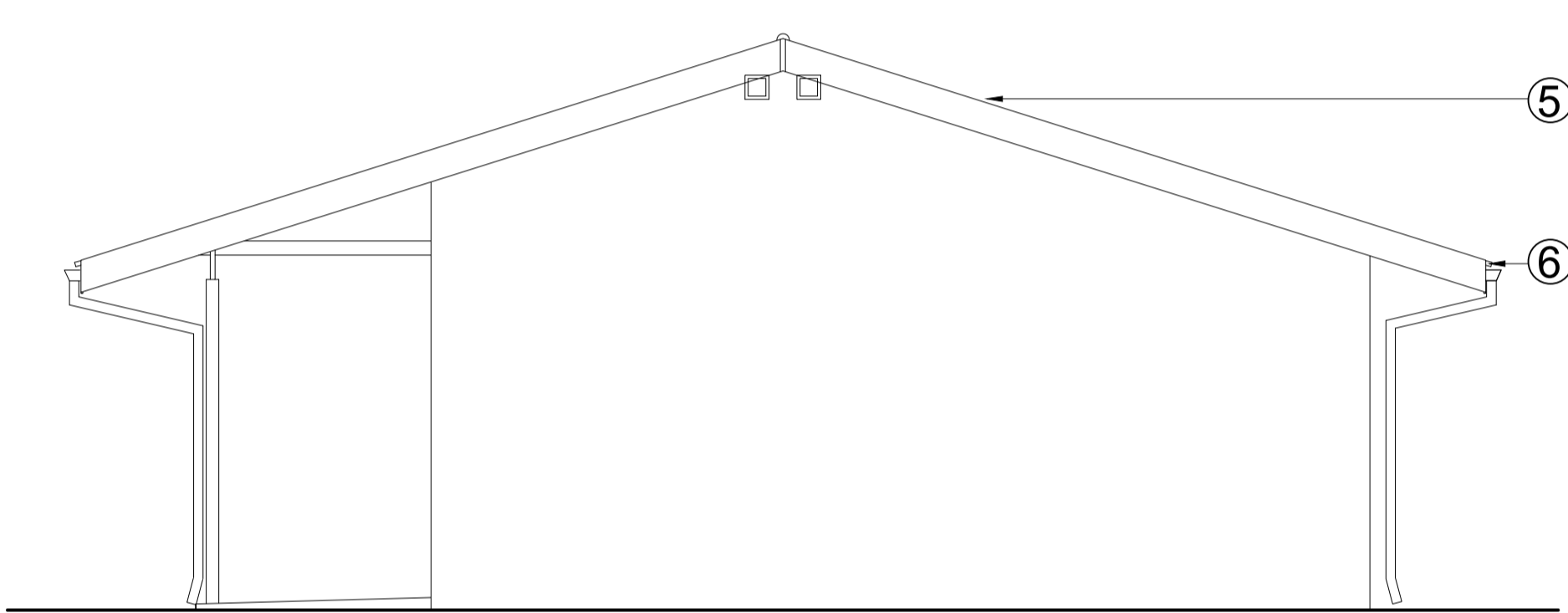
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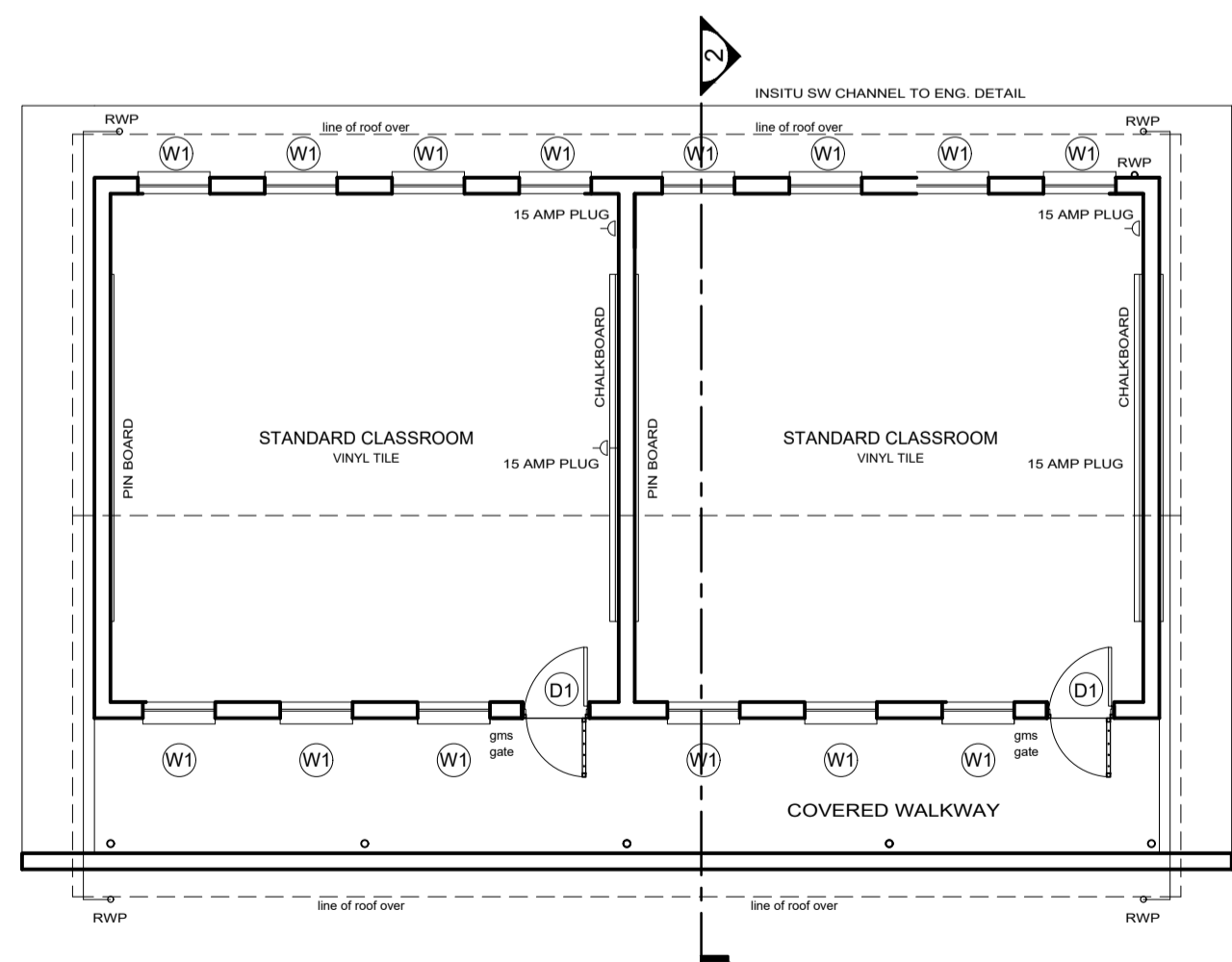
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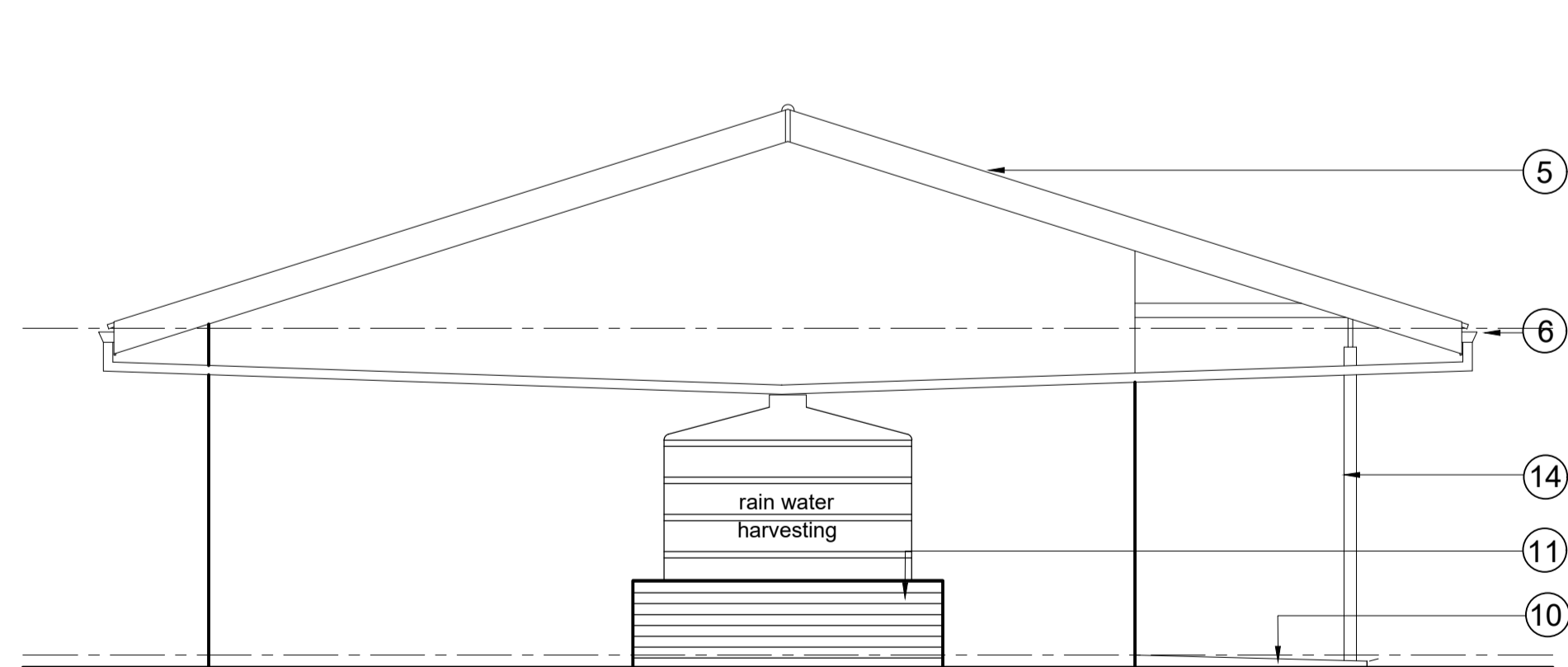
2 SECTION
SCALE 1:50



5 WEST ELEVATION
SCALE 1:100



1 PLAN
SCALE 1:100

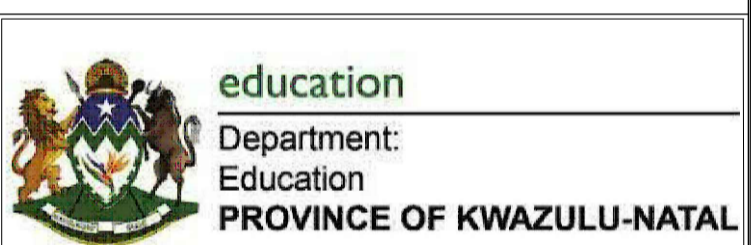


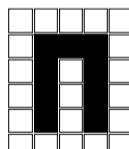
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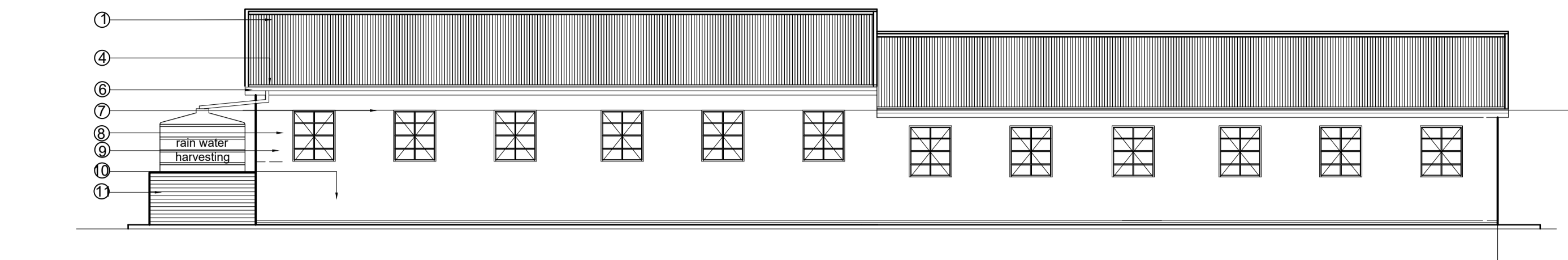
LEGEND

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- Dilapidated sanitary-ware to be replaced with new fittings to match existing
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- GMS support posts with beam over to support roof above to Engineers detail.

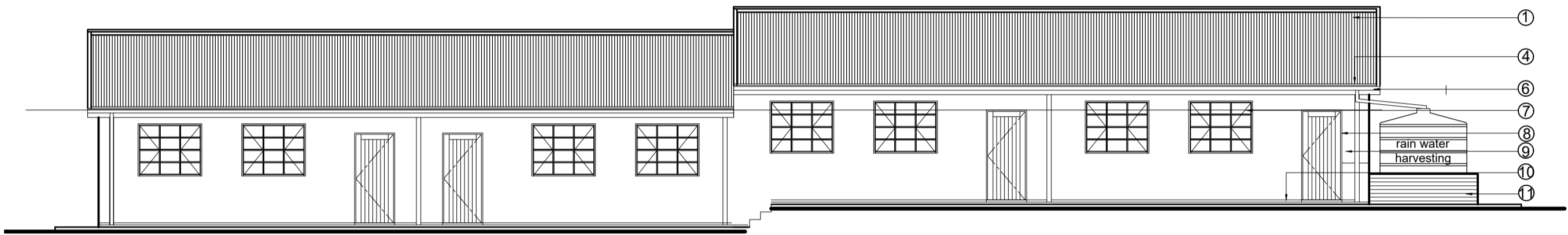
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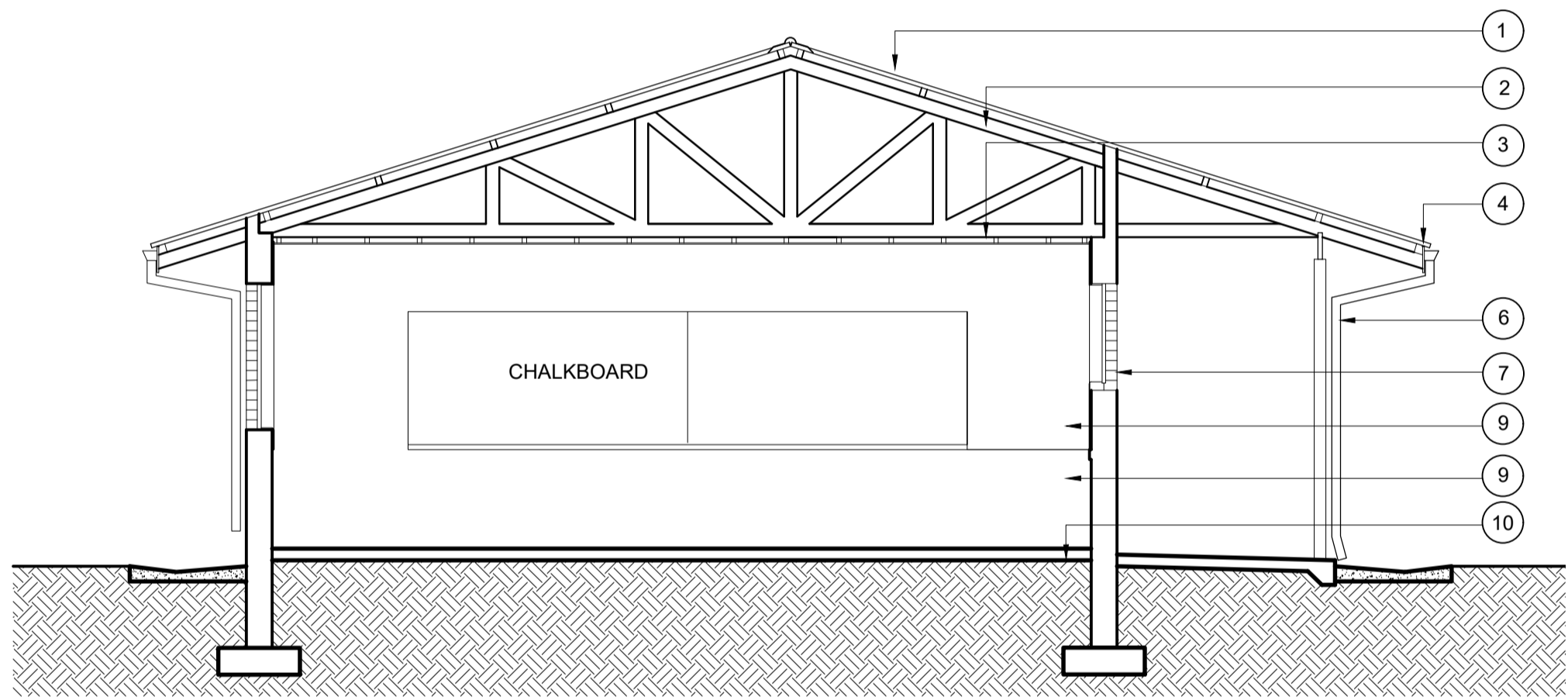
discipline	ARCHITECTURAL		
service			
<div> archiTRONIC <small>architect, interior & urban designer engineer, planner</small> p.o. box 19383 dormenton 4015 phone : +27(31) 201 3533 fax : +27(31) 201 3530 e-mail : ravi@architronic.co.za SACAP NO. : 6012</div>			
drawing title			
KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
MBASELA PRIMARY SCHOOL			
EXISTING BLOCK J TYPICAL 2 CLASSROOM BLOCK PLAN,SECTION,ELEVATION			
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drawing number			REV
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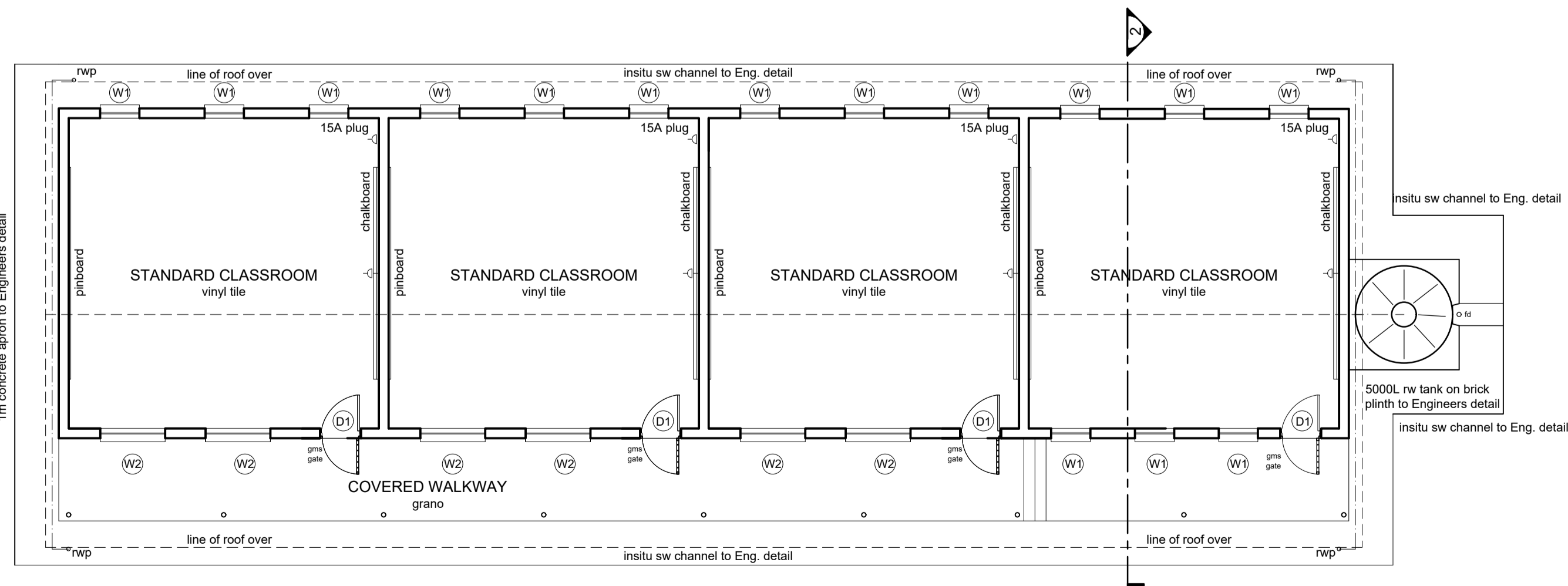
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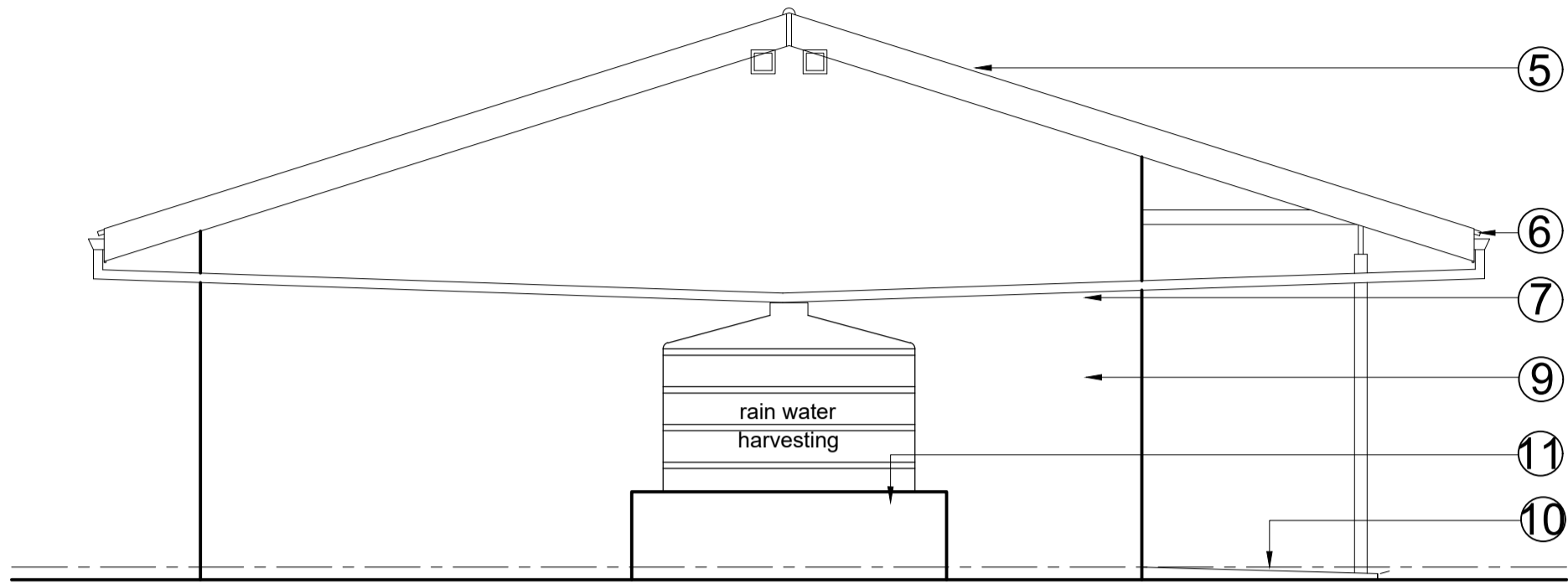
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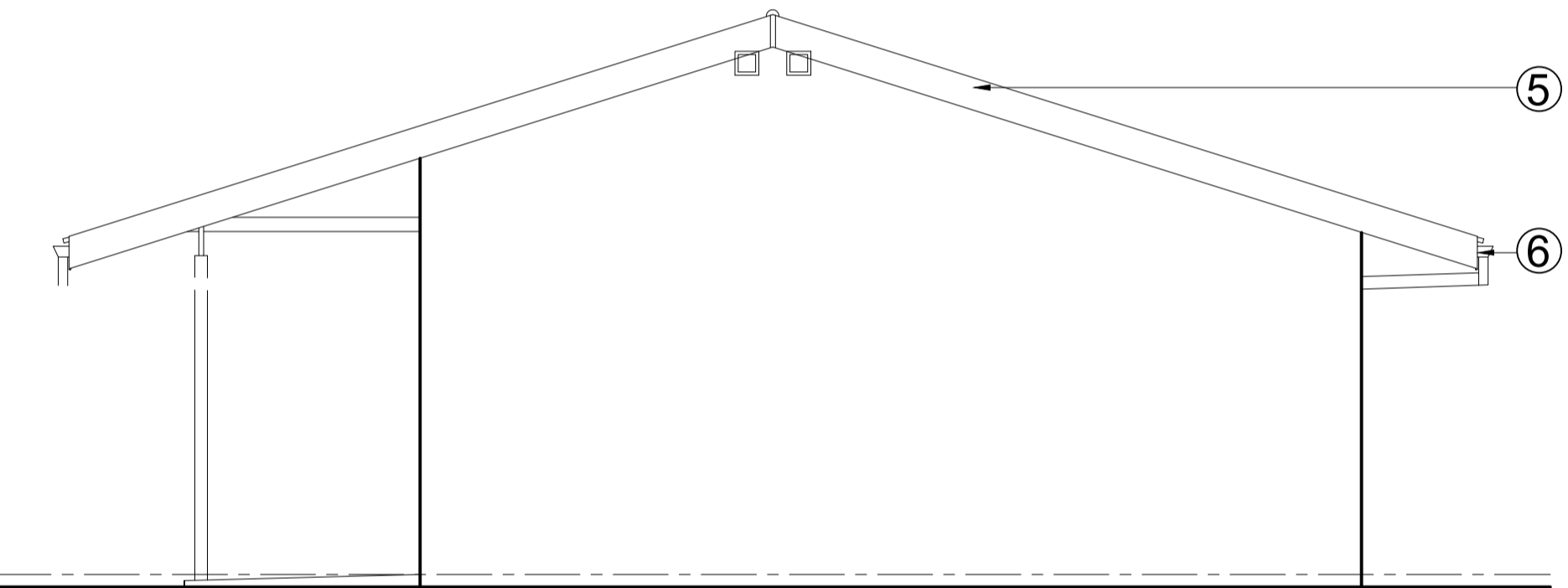
2 SECTION
SCALE 1:50



1 PLAN
SCALE 1:100



5 EAST ELEVATION
SCALE 1:100



LEGEND

- Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting on timber purlins to engineers details.
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discipline ARCHITECTURAL
service

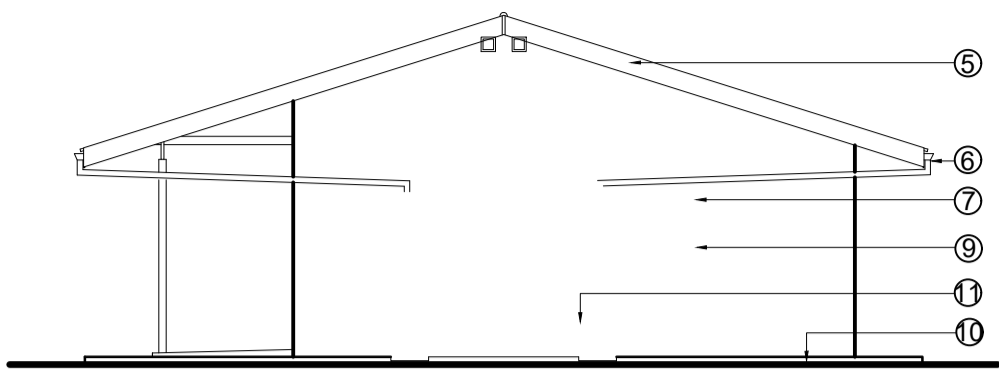
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SACAP NO. : 6012

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

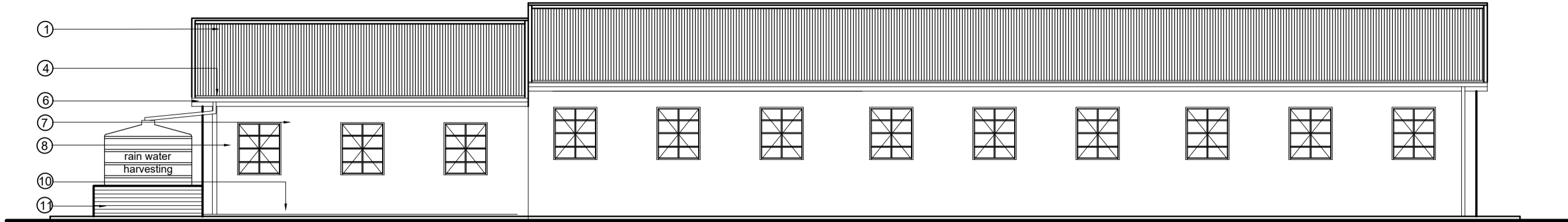
MBASELA PRIMARY SCHOOL
EXISTING BLOCK K
TYPICAL 4 CLASSROOM BLOCK
PLAN,SECTION,ELEVATION

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date	MAY 2019	checked	LC
drawing number			REV

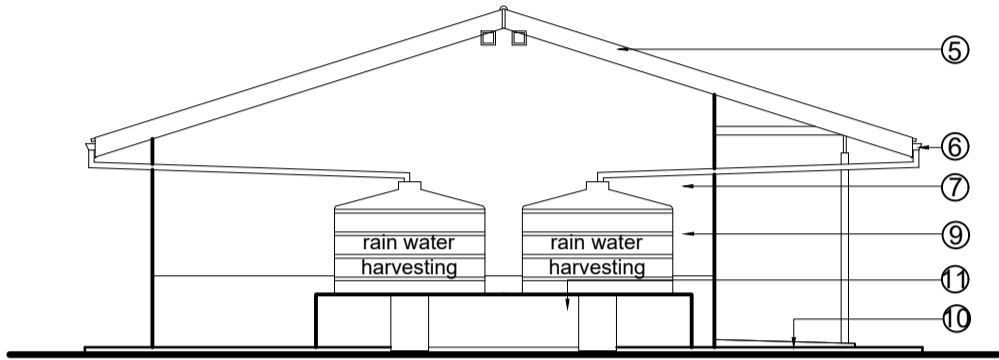
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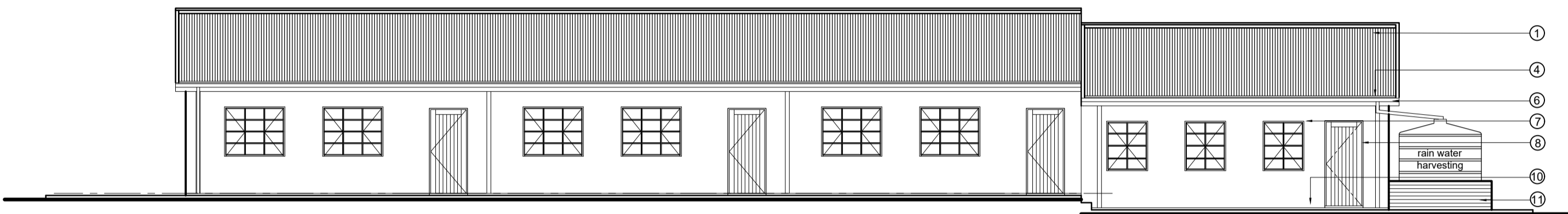
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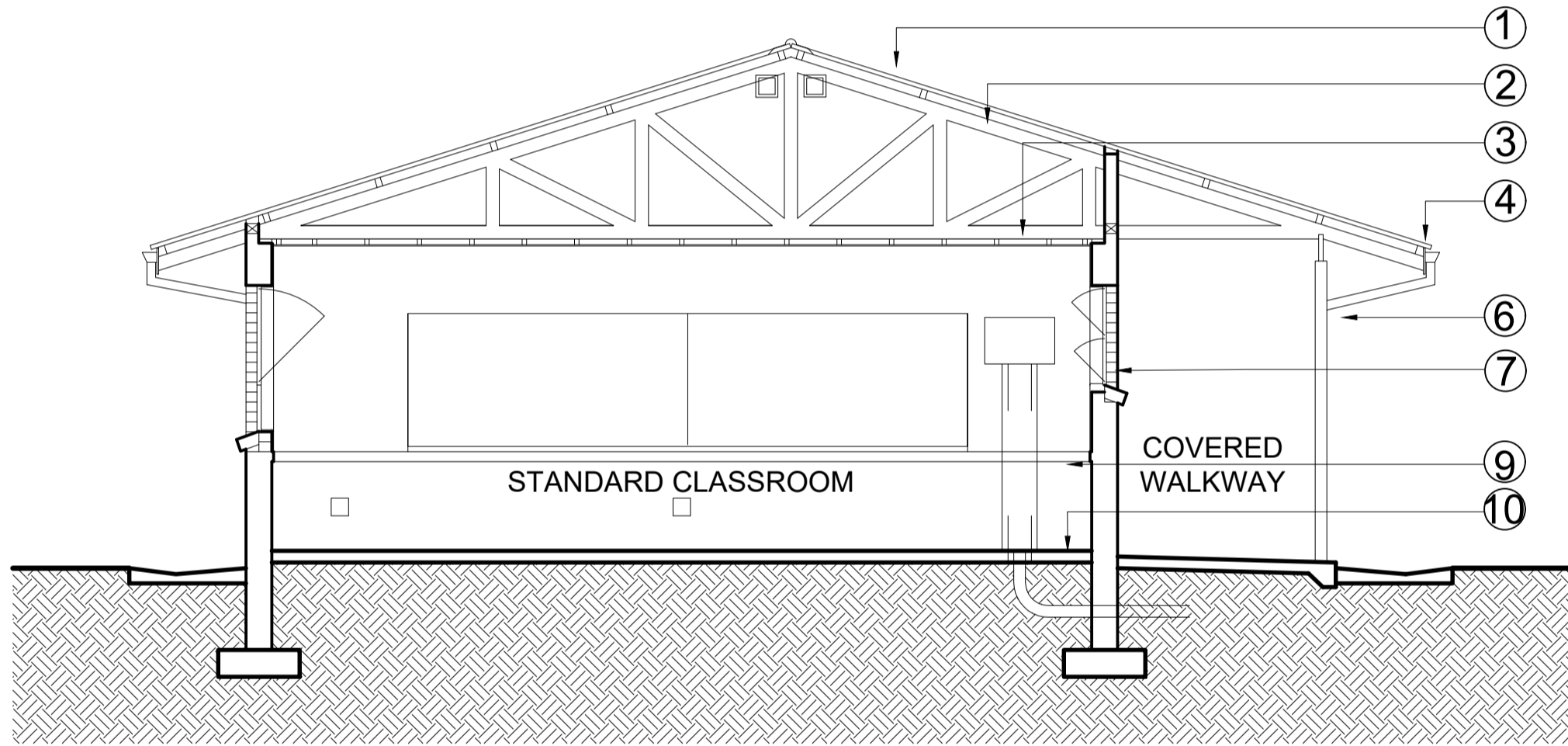
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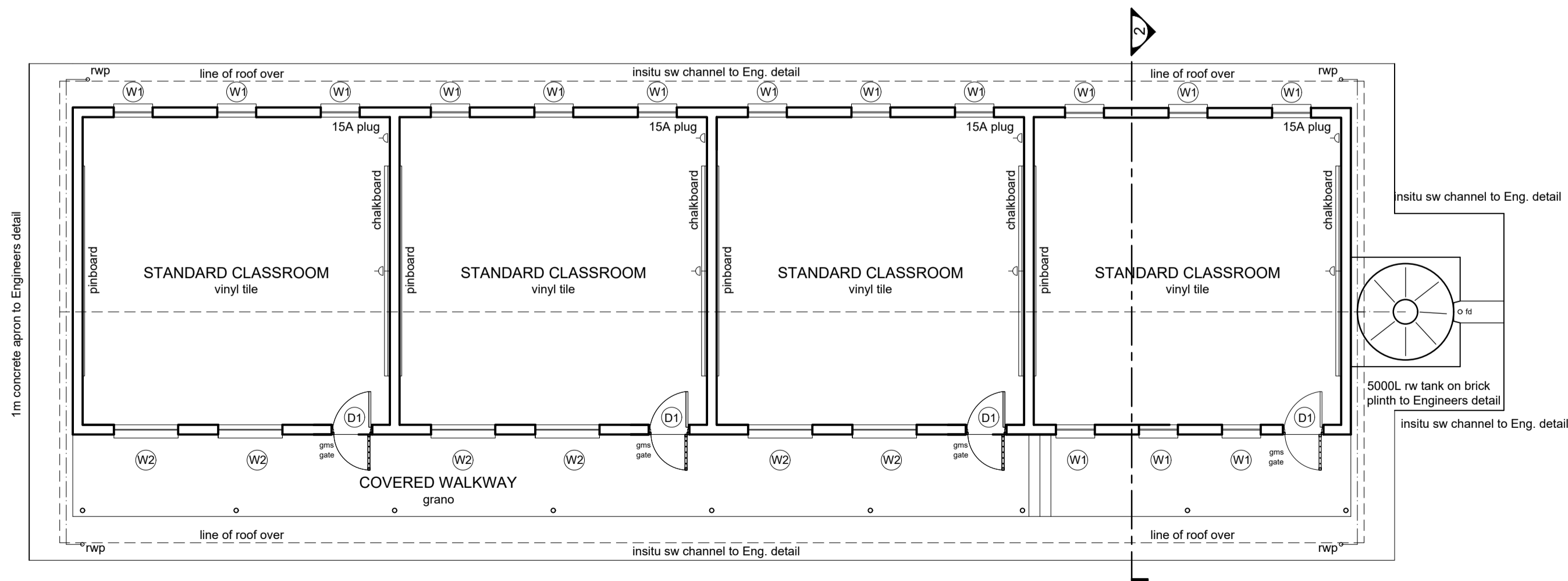
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SCALE 1:100



6 FRONT ELEVATION
SCALE 1:100



2 SECTION
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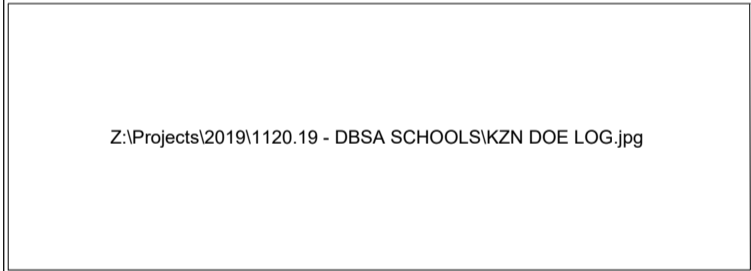


1 PLAN
SCALE 1:100

LEGEND

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- GMS support posts with beam over to support roof above to Engineers detail.

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service	



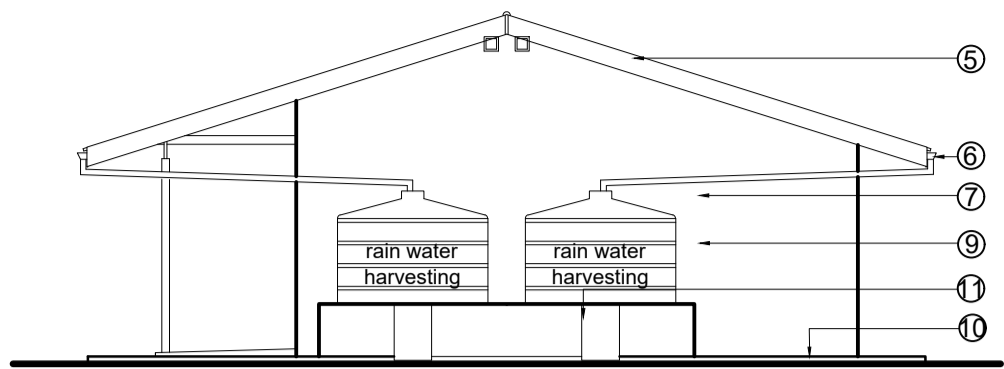
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DEVELOPMENT AND MAINTENANCE
PROGRAMME

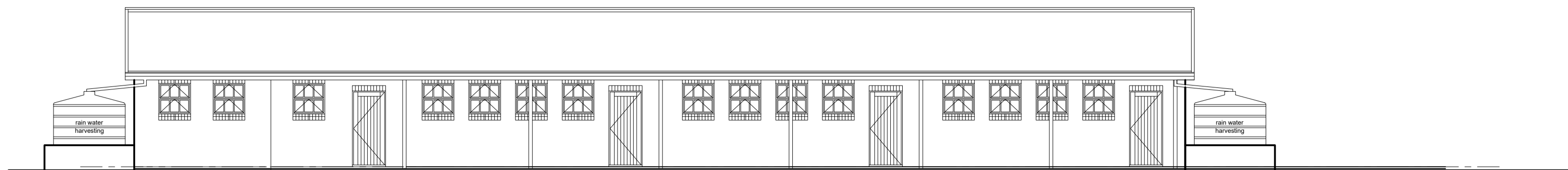
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TYPICAL 4 CLASSROOM BLOCK
PLAN,SECTION,ELEVATION

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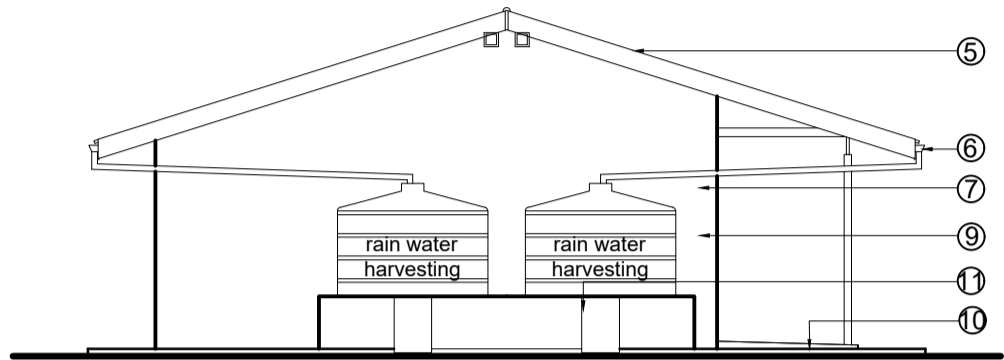
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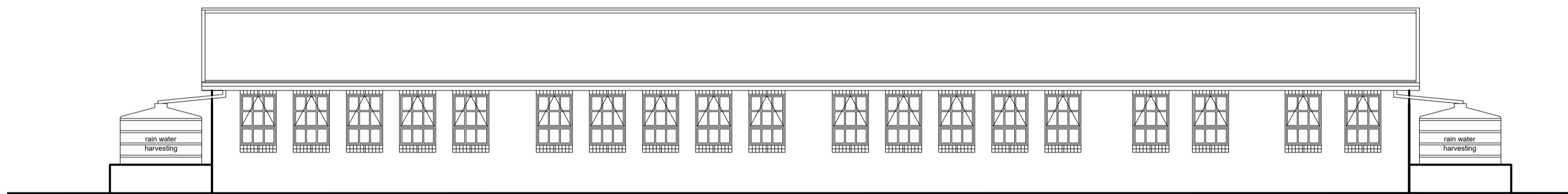
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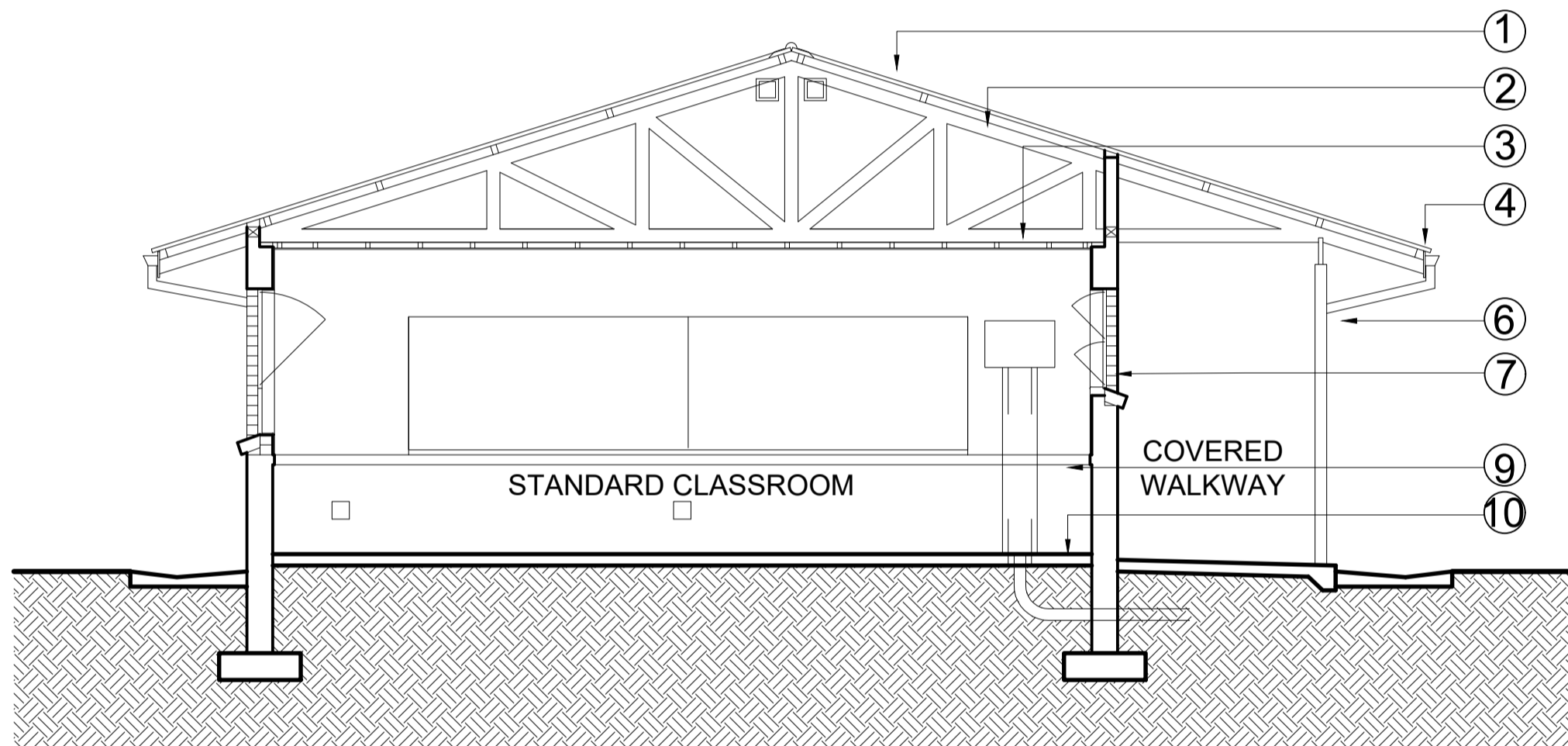
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3 SIDE ELEVATION
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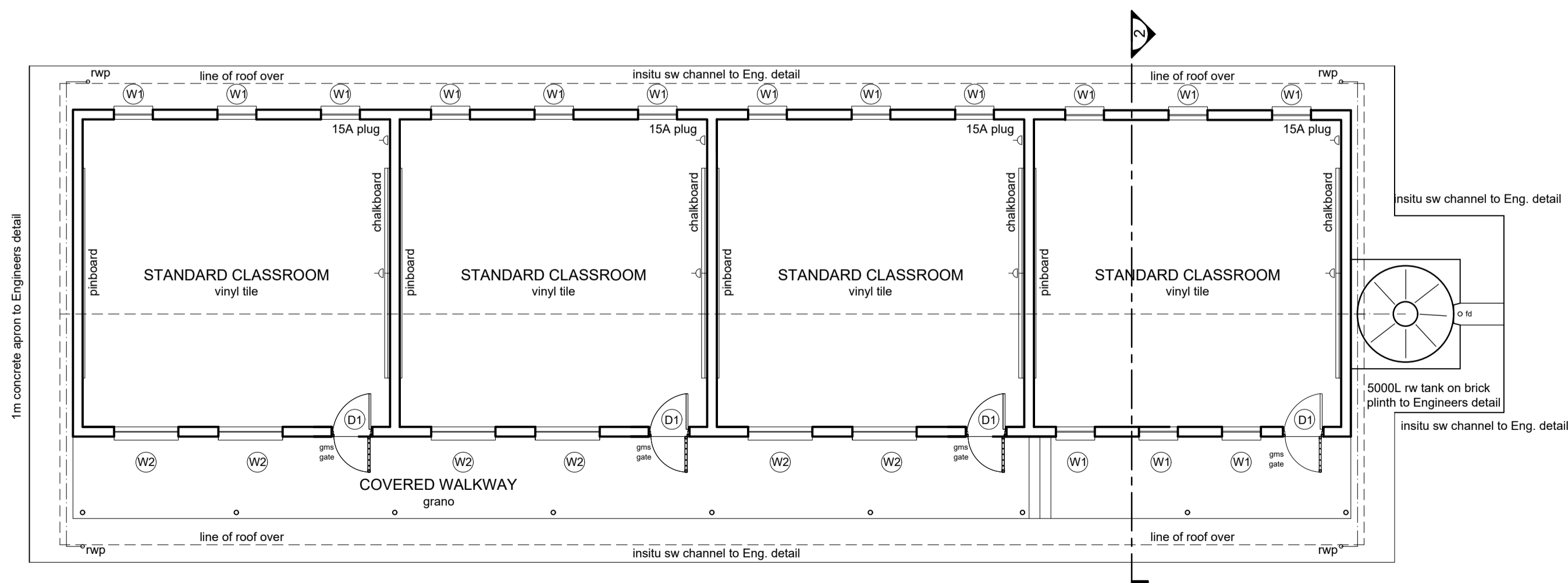
6 FRONT ELEVATION
SCALE 1:100



2 SECTION
SCALE 1:50

LEGEND

- Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting
- Install new purlin to interior and exterior of beam filling
- Existing ceiling to be removed and replaced with Rhinoboard ceilings including brandering and cornices
- Existing fascias to be removed and replaced with new
- Existing barge boards to be removed and replace with new
- Replace damaged gutters and downpipes with new aluminium gutters and downpipes
- Replace damaged glazing and window mechanisms where necessary
- Replace damaged doors, frames and ironmongery where necessary and add galvanized security gate
- Internal and external walls to be re-plastered where necessary and all internal and external walls to be primed and painted
- Dilapidated floors to be replaced with new floor tiles in affected areas
- Rain water harvesting tank on concrete plinth to engineer's detail and specifications
- Dilapidated chalkboard to be replaced with new in affected areas



1 PLAN
SCALE 1:100

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Department:
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discipline ARCHITECTURAL
service

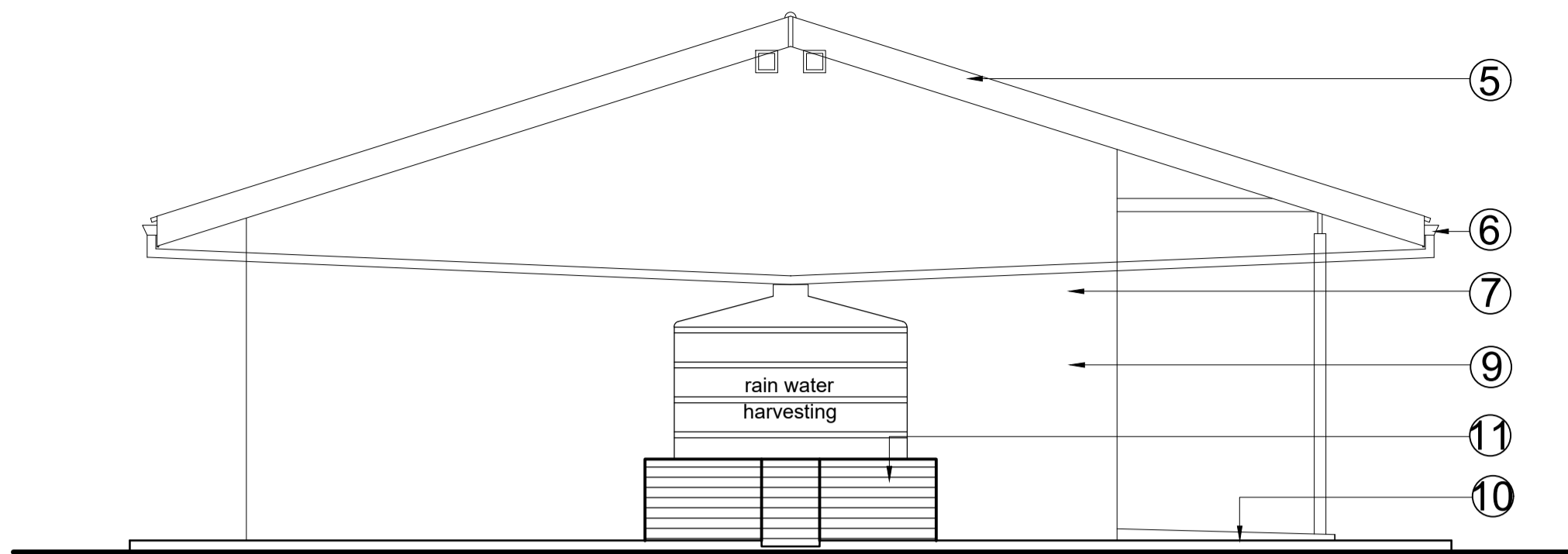
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fax : +27(31) 201 3930
e-mail : ravi@architronic.co.za
SACAP NO. : 6012

drawing title
KZN D.O.E. INFRASTRUCTURE
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PROGRAMME

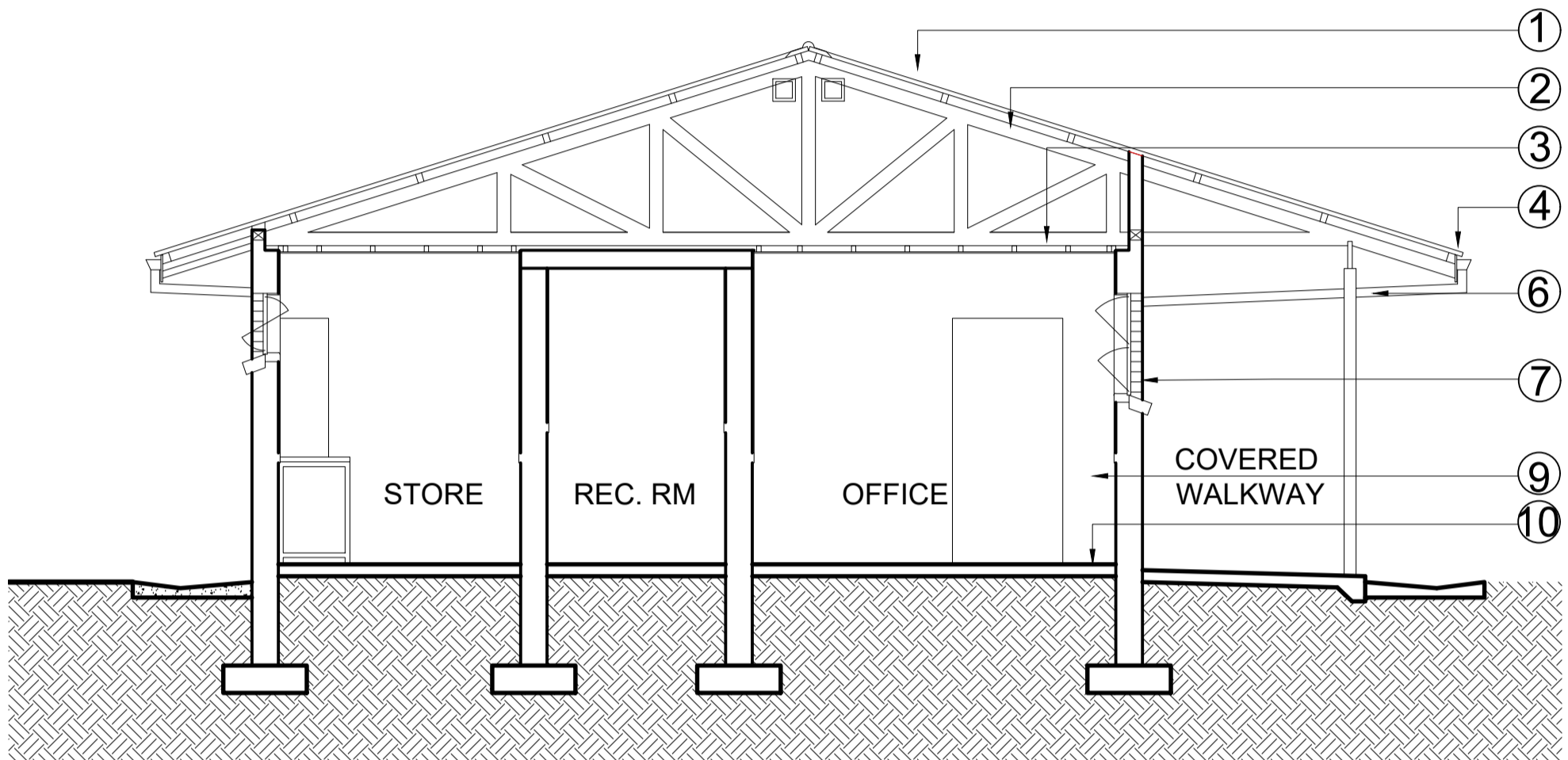
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TYPICAL 4 CLASSROOM BLOCK
PLAN,SECTION,ELEVATION

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date	MAY 2019	checked	LC
drawing number			REV

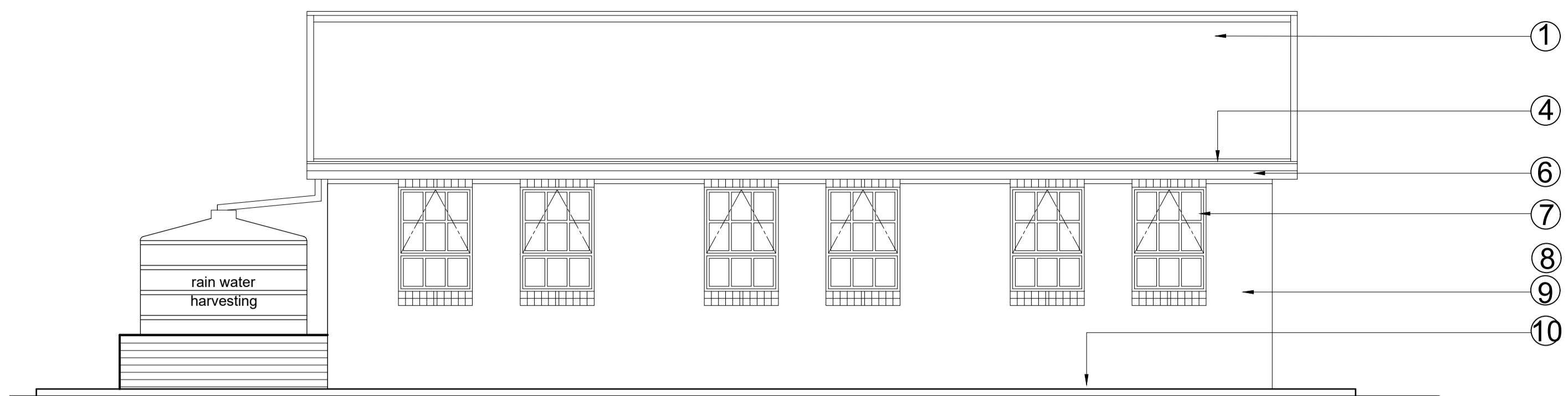
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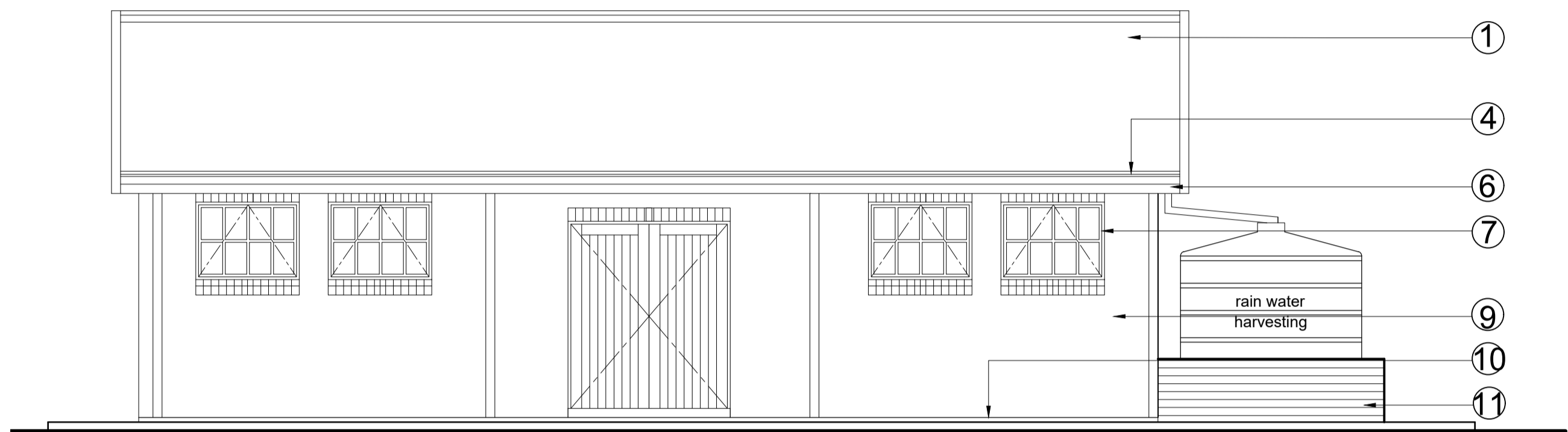
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SCALE 1:50



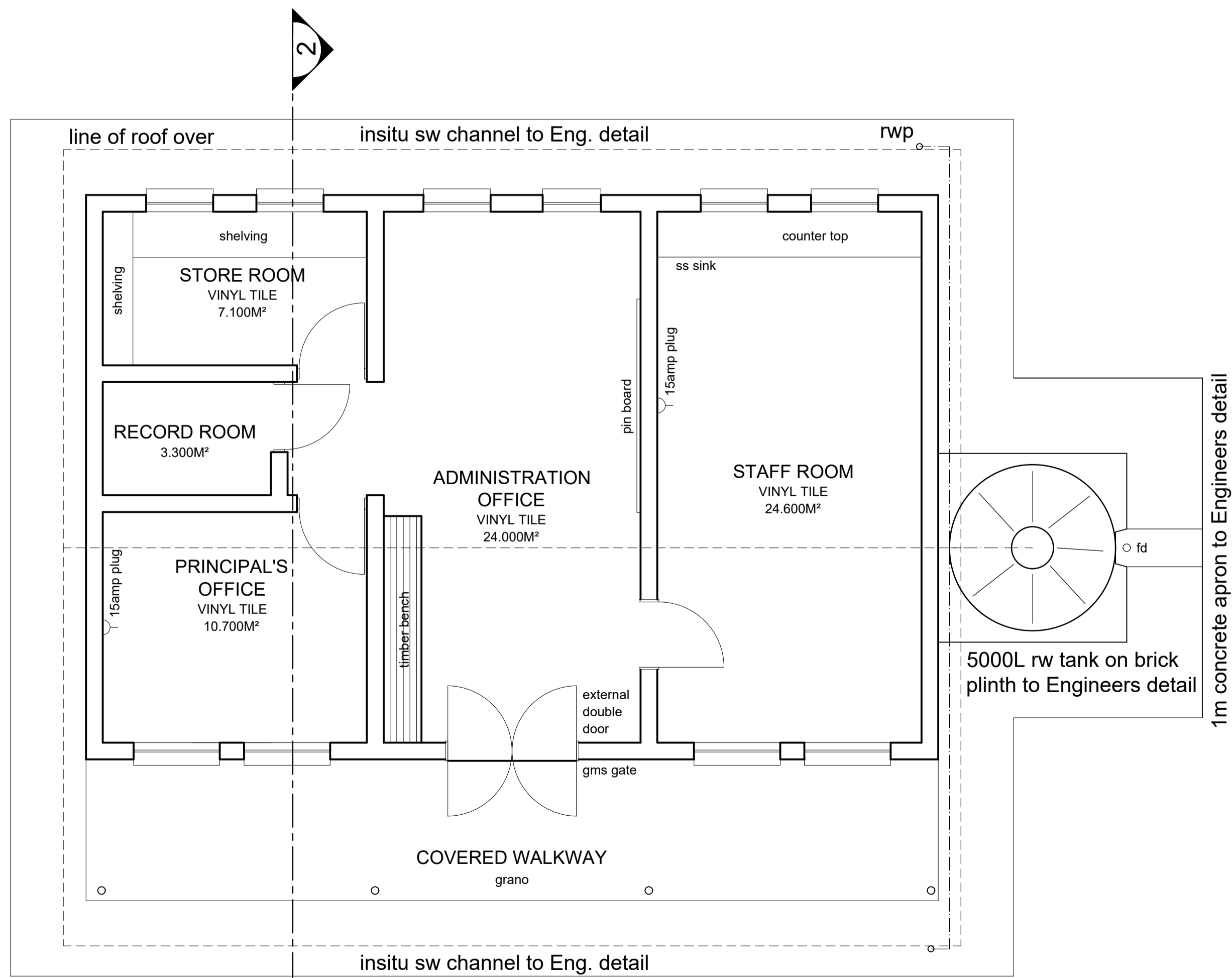
2 SECTION
SCALE 1:50



4 BACK ELEVATION
SCALE 1:50



5 FRONT ELEVATION
SCALE 1:50



1 PLAN
SCALE 1:50

LEGEND

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SACAP NO. : 6012

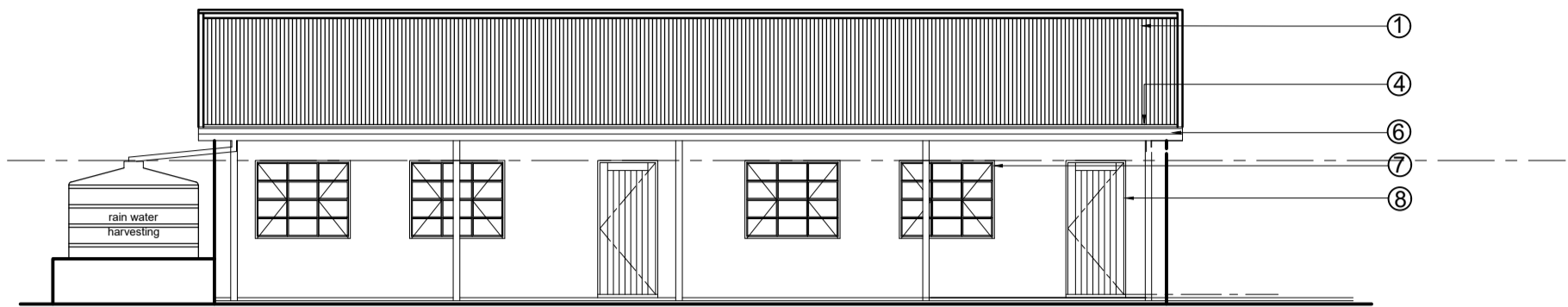
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KZN D.O.E. INFRASTRUCTURE
DEVELOPMENT AND MAINTENANCE
PROGRAMME

MBASELA PRIMARY SCHOOL
NEW BLOCK O
TYPICAL ADMIN
PLAN,SECTION,ELEVATION

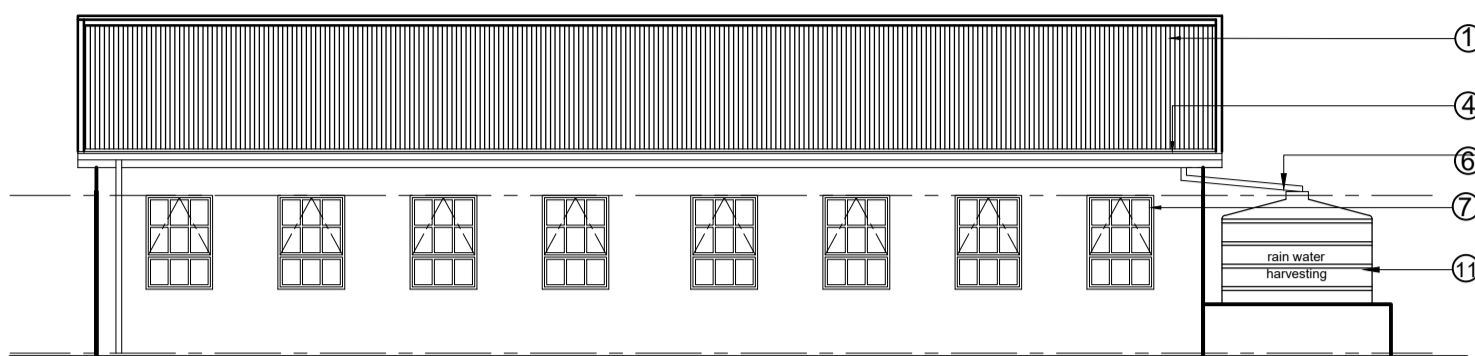
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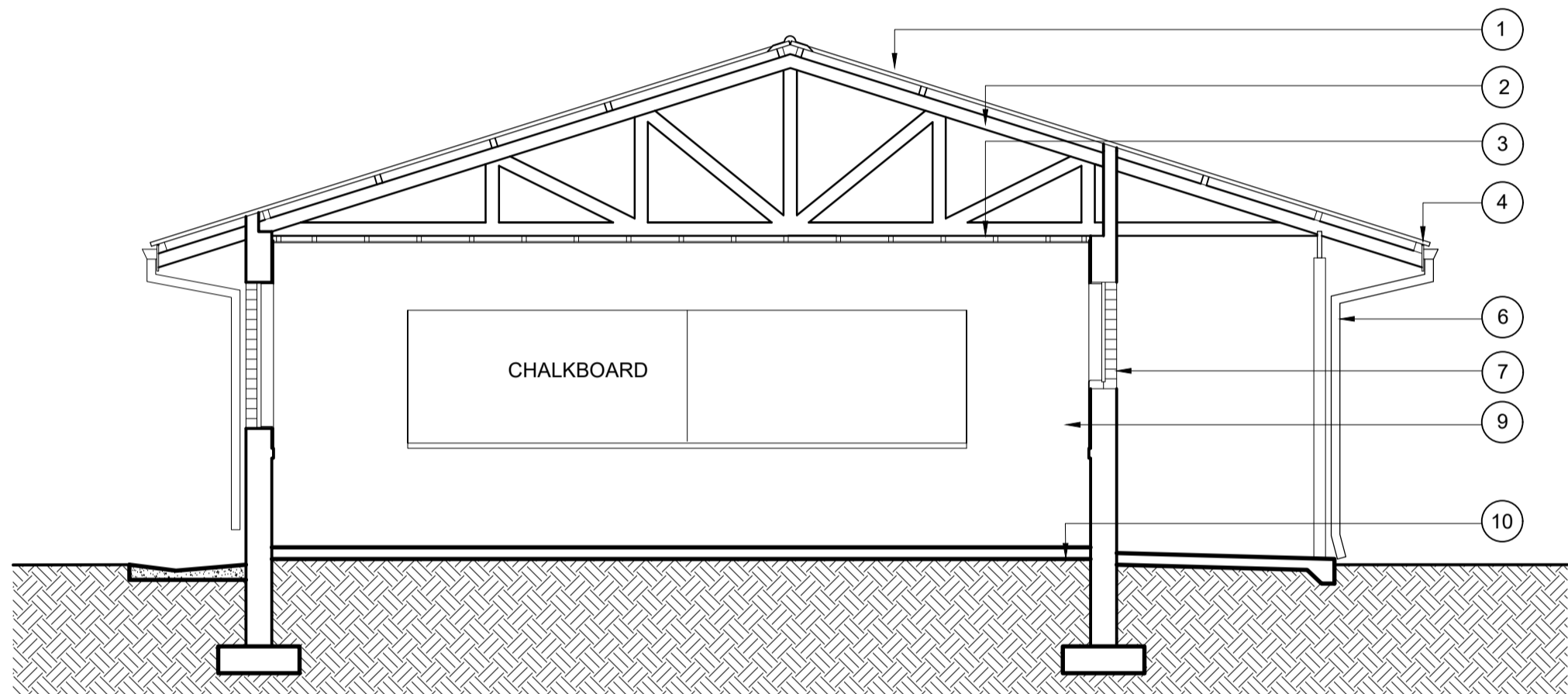
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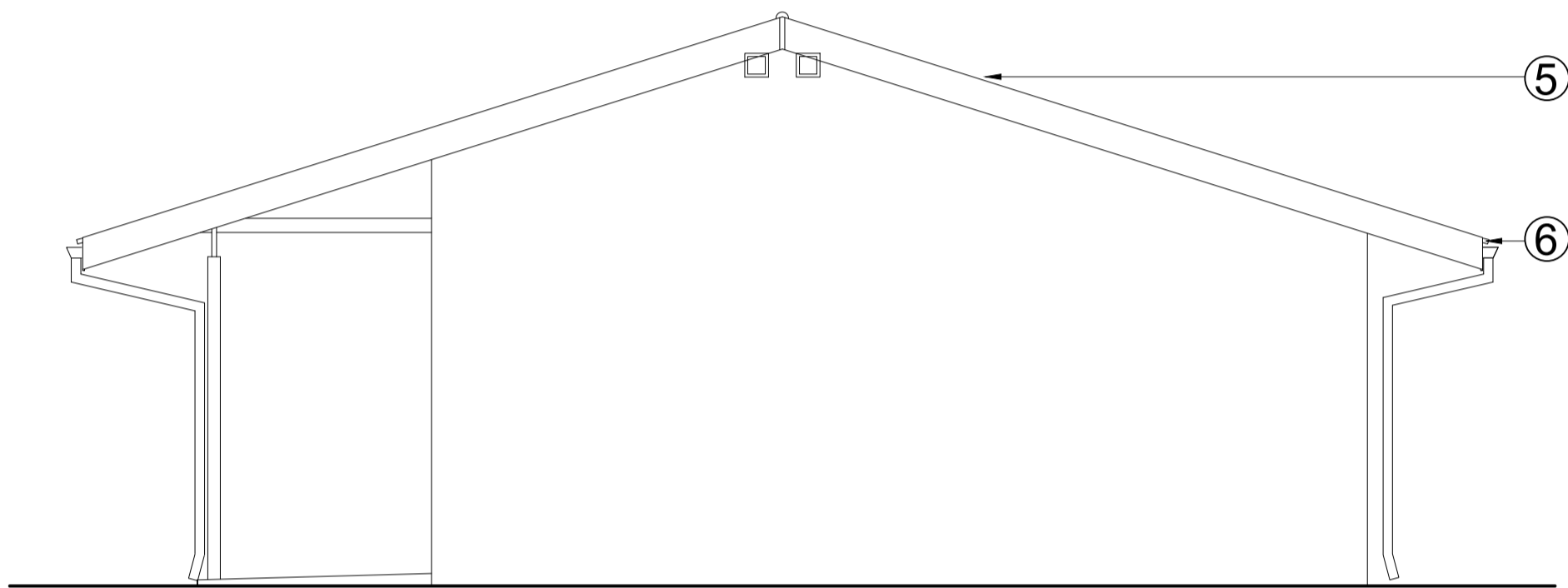
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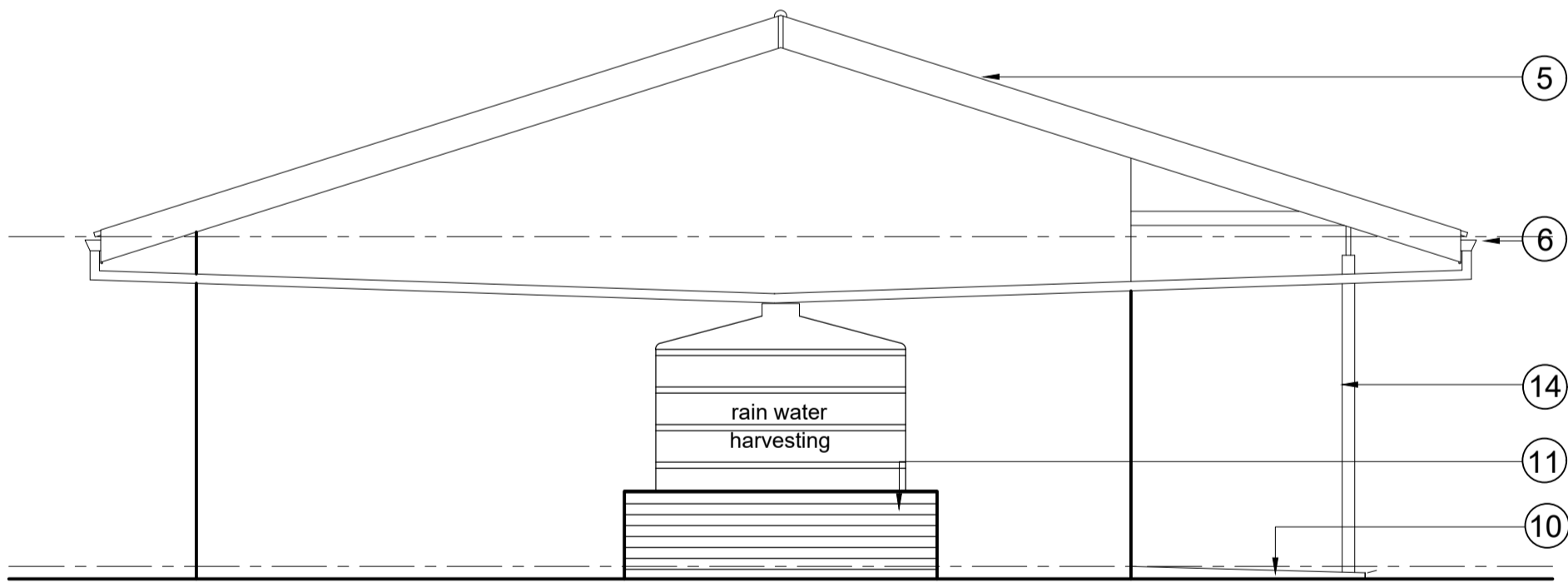
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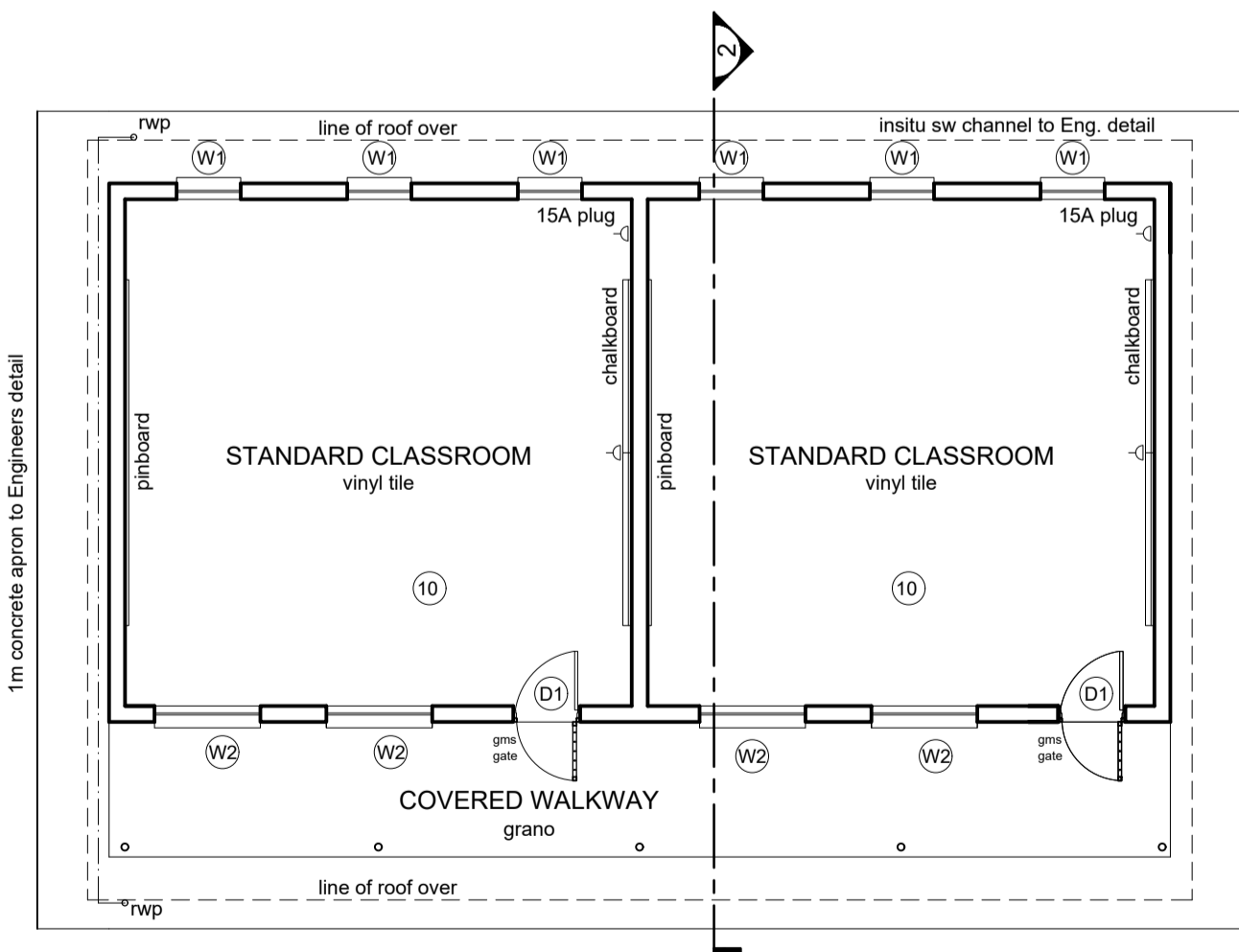
5 SIDE ELEVATION
SCALE 1:50



6 SIDE ELEVATION
SCALE 1:50



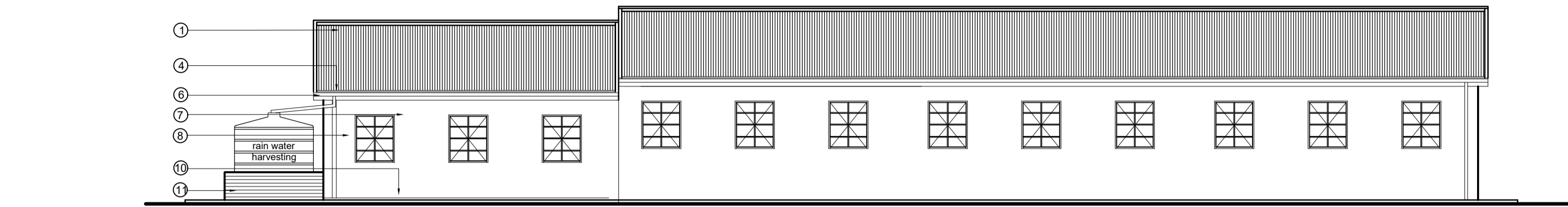
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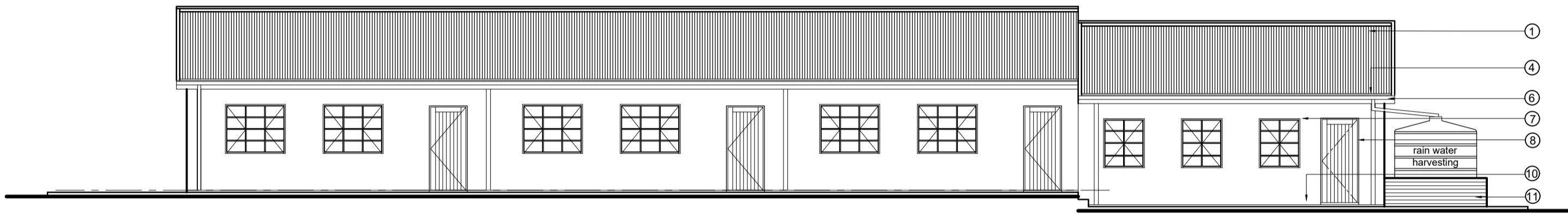
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- Replace damaged gutters and downpipes with new aluminium gutters and downpipes
- Rub, prime and paint all steel windows allow for replacement of window panes(40%)
- Remove doors and provide new external solid timber door with new galvanized security 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.
- GMS support posts with beam over to support roof above to Engineers detail.

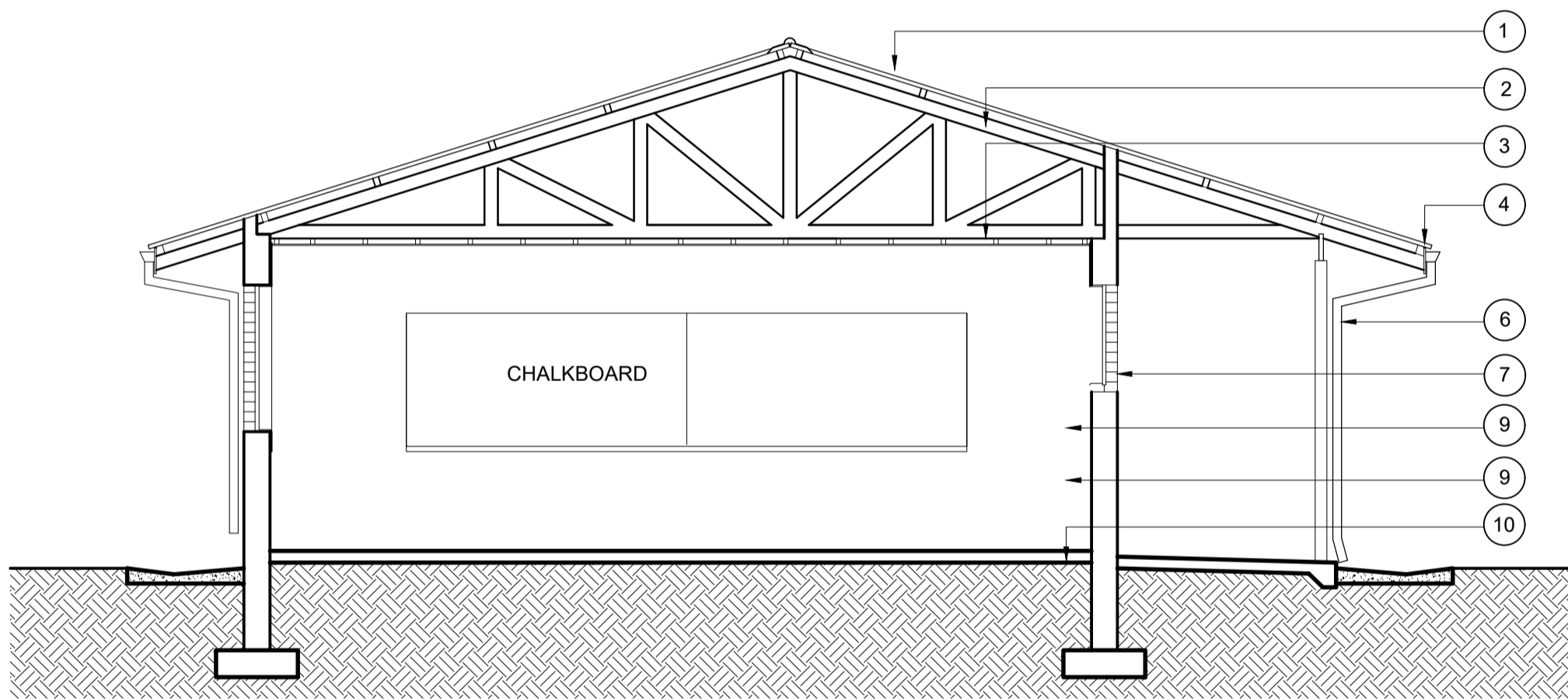
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Civpro Engineering Joint Venture			
education Department: Education PROVINCE OF KWAZULU-NATAL			
discipline ARCHITECTURAL			
service			
archiTRONIC architects, interior & urban designers p.o.box 19383 dormenton 4015 phone : +27(0)1 201 3533 fax : +27(0)1 201 3530 e-mail : ravi@architronic.co.za SACAP NO. : 6012			
drawing title			
KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
MBASELA PRIMARY SCHOOL EXISTING BLOCK P TYPICAL 2 CLASSROOM BLOCK PLAN,SECTION,ELEVATION			
ref.no.	000000	designed	000000
scale	AS INDICATED	drawn	RP
date	MAY 2019	checked	LC
drawing number			REV
1120.19-MBA-GA-2015			



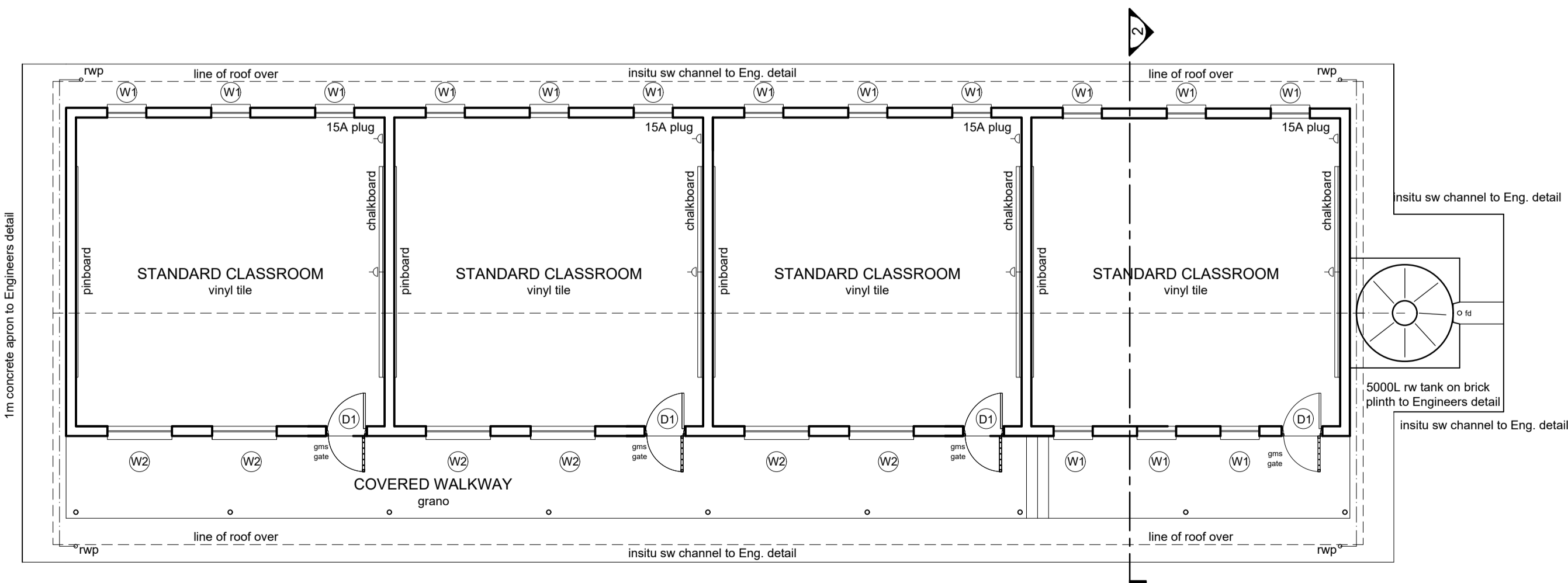
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SCALE 1:100



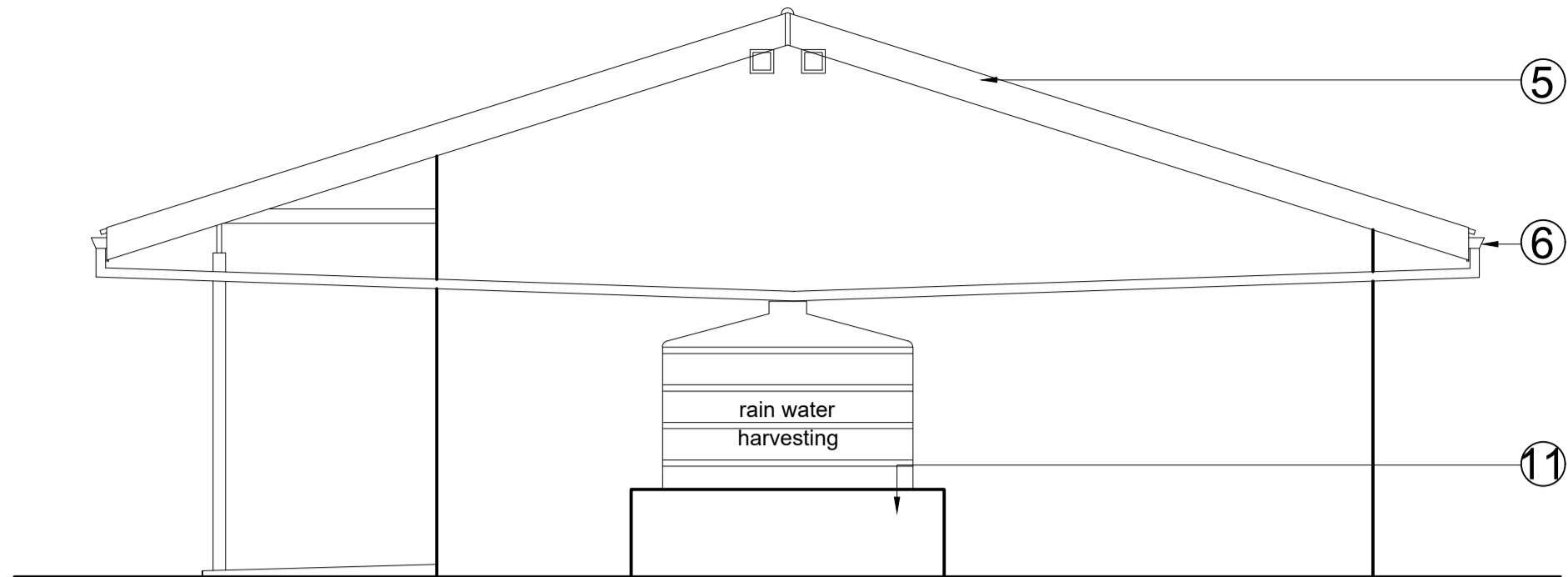
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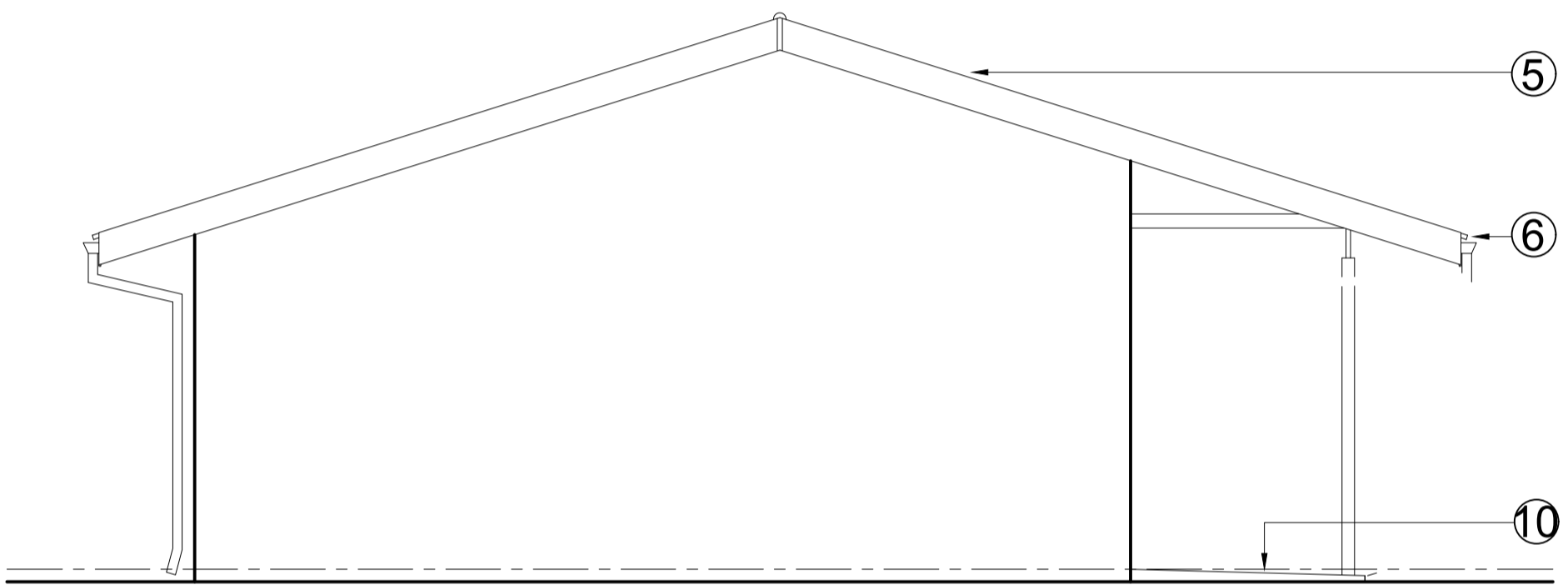
2 SECTION
SCALE 1:100



1 PLAN
SCALE 1:100



5 SIDE ELEVATION
SCALE 1:100



5 SIDE 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 be replaced with prefabricated timber roof trusses at 17,5° roof pitch to take 0.55mm lbr colourplus - az 150 roof sheeting and sisalation with ridge flashing.
- Existing ceiling to be removed and replaced with Rhinoboard ceilings including brandering 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 damaged gutters and downpipes with new aluminium gutters and downpipes
- Rub, prime and paint all steel windows allow for replacement of window panes(40%)
- 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.
- GMS support posts with beam over to support roof above to Engineers detail.

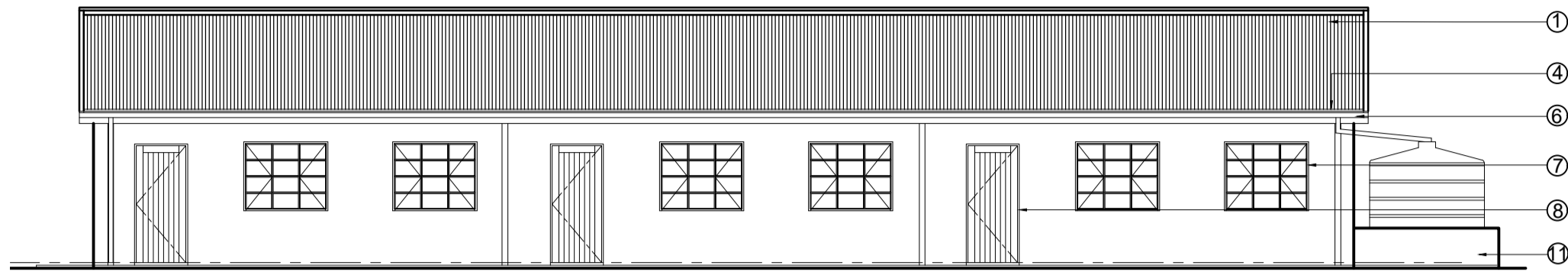
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discipline	ARCHITECTURAL
service	

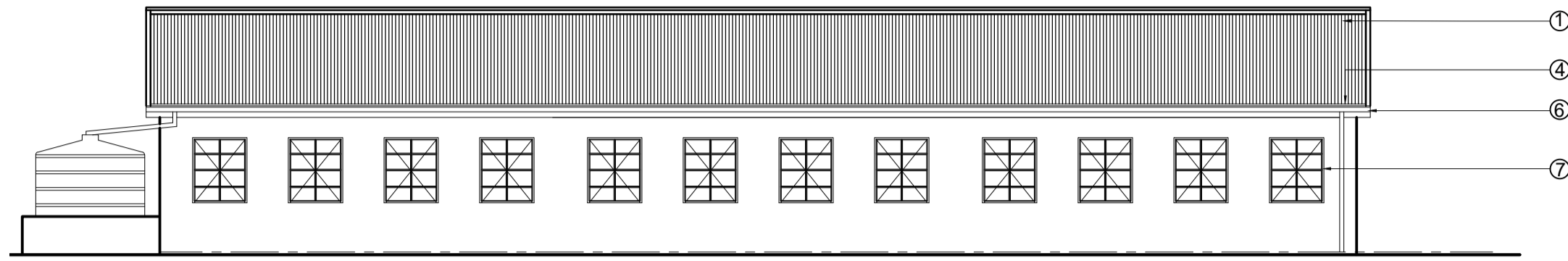
p.o.box 19383 dormenton 4015
phone : +27(0)1 201 3533
fax : +27(0)1 201 3530
e-mail : ravi@architrone.co.za
SACAP NO. : 6012

drawing title			
KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
MBASELA PRIMARY SCHOOL			
EXISTING BLOCK Q TYPICAL 4 CLASSROOM BLOCK PLAN,SECTION,ELEVATION			
ref.no.	000000	designed	000000
scale	AS INDICATED	drawn	KB
date	MAY 2019	checked	LC
drawing number			REV

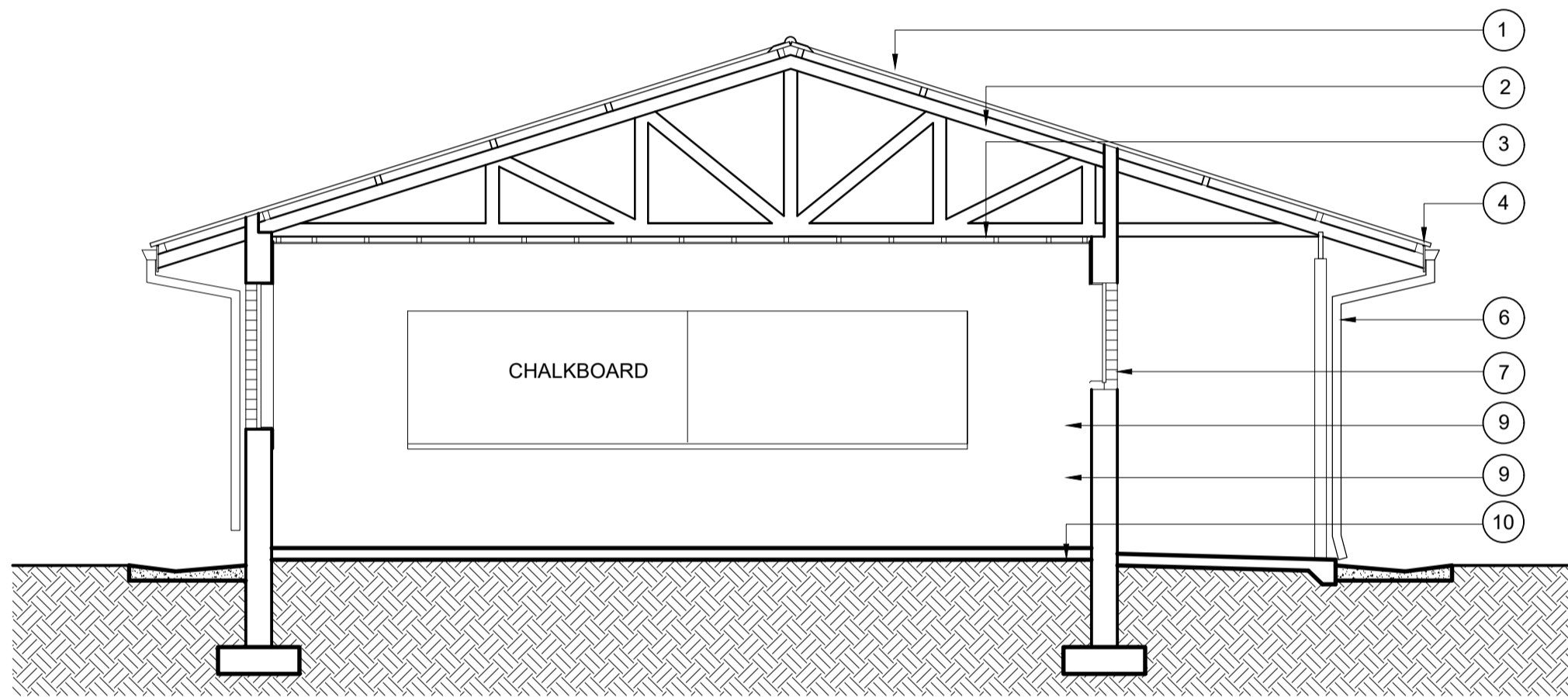
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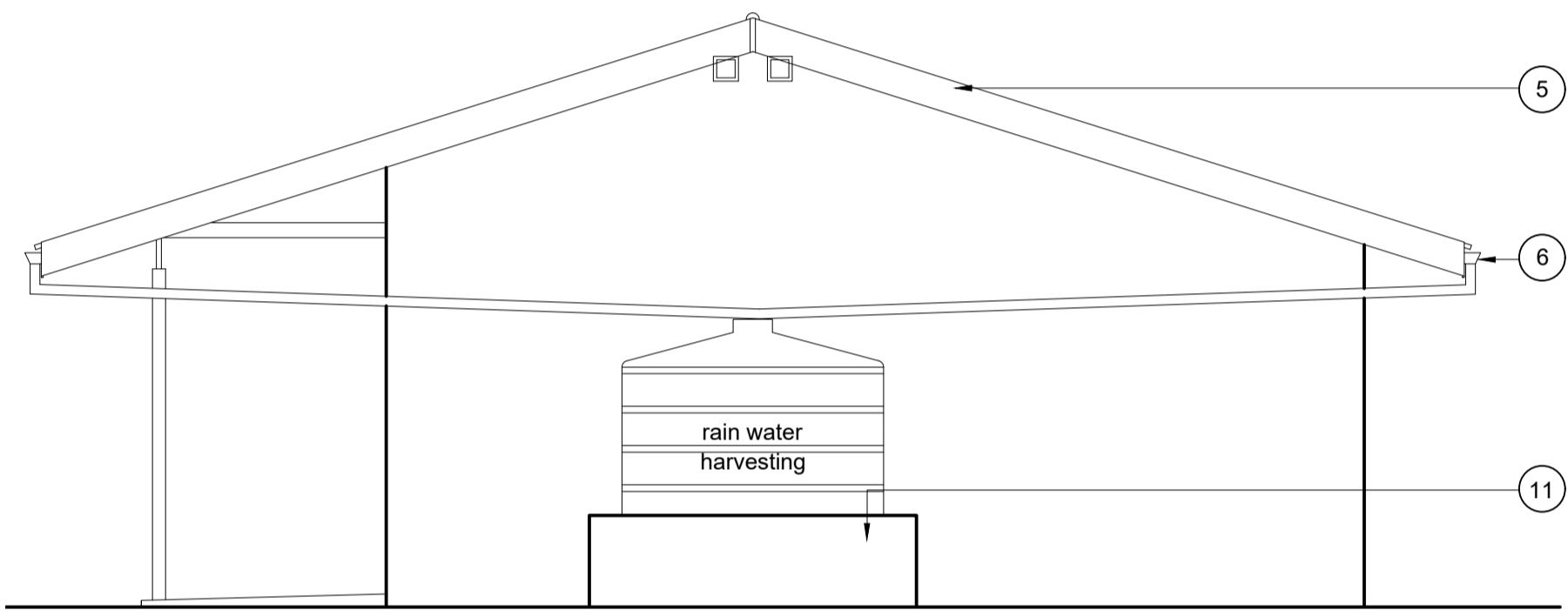
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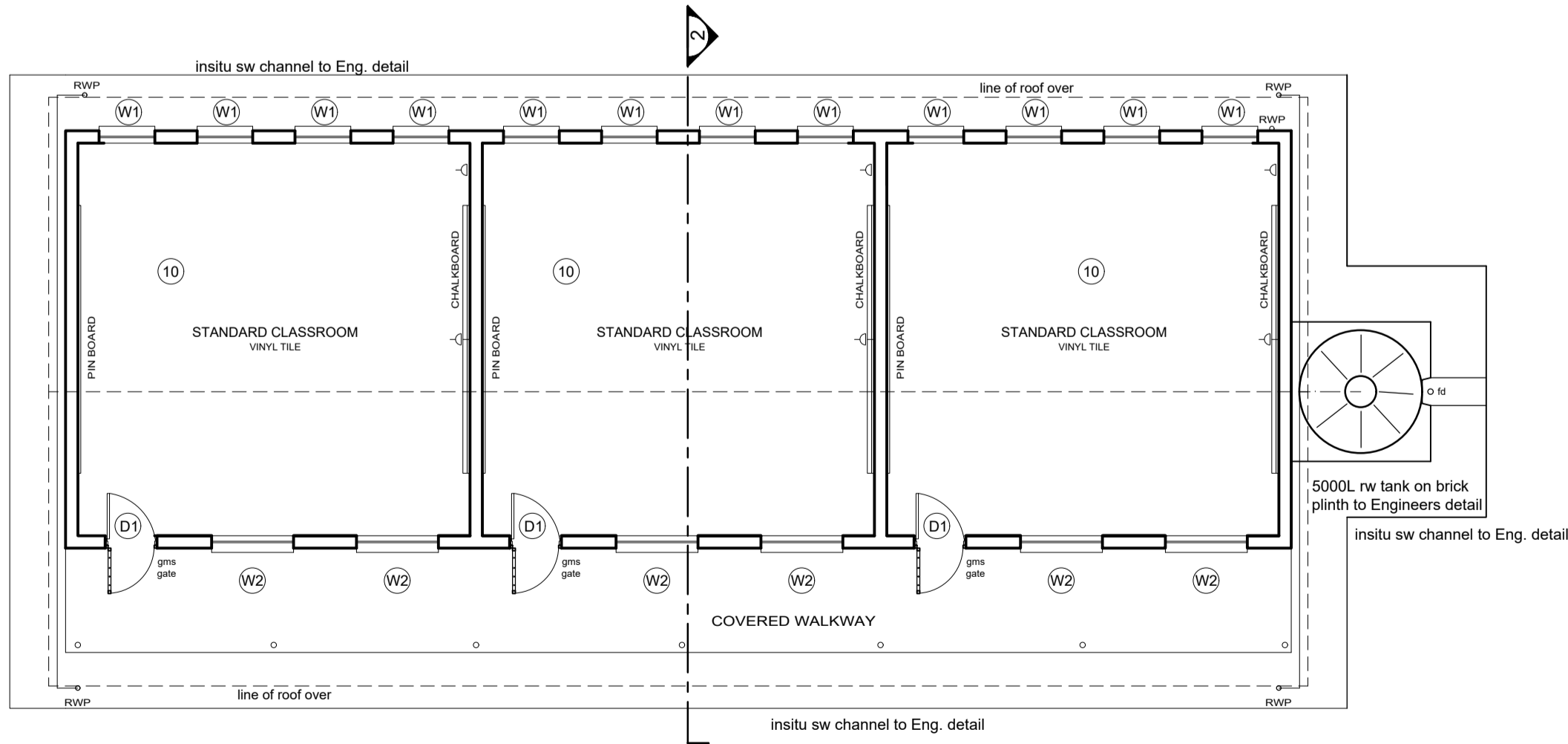
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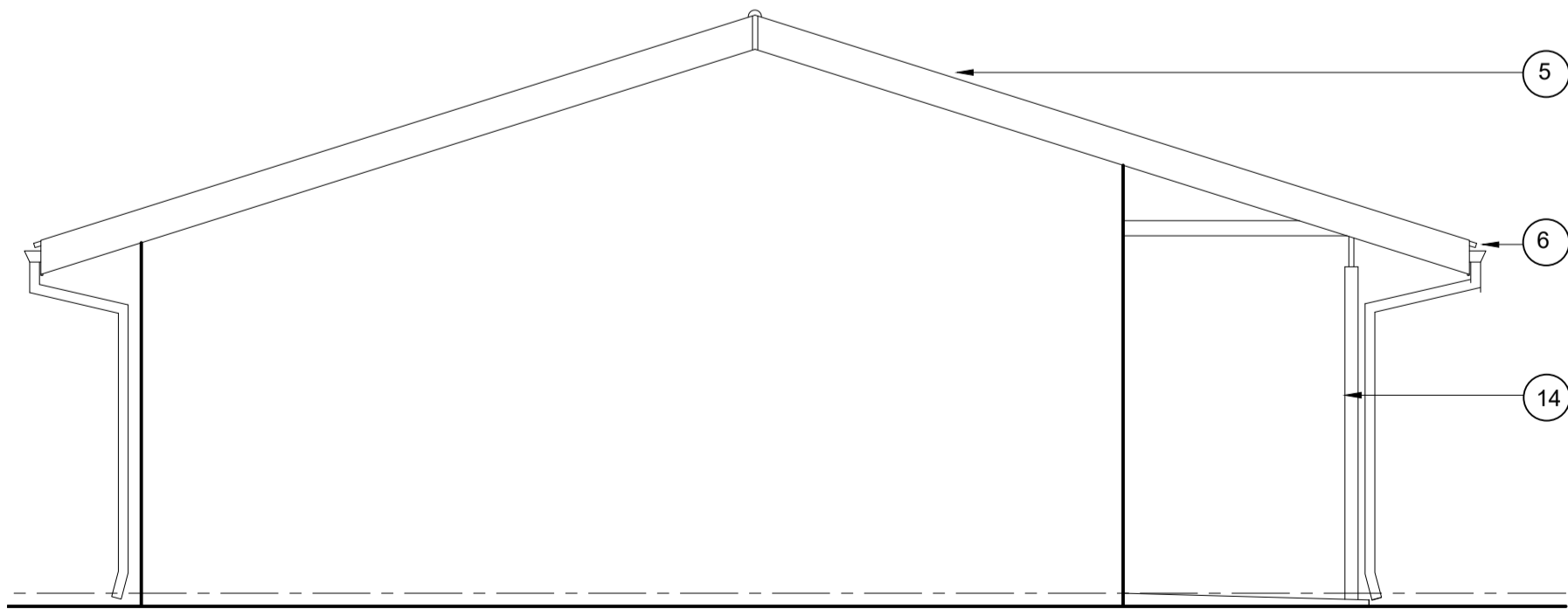
2 SECTION
SCALE 1:50



5 SIDE ELEVATION
SCALE 1:100



1 PLAN
SCALE 1:100



6 SIDE 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 be replaced with prefabricated timber roof trusses at 17,5° roof pitch to take 0.55mm ibr colourplus - az 150 roof sheeting and sisalation with ridge flashing.
- Existing ceiling to be removed and replaced with Rhinoboard ceilings including brandering 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 damaged gutters and downpipes with new aluminium gutters and downpipes
- Rub, prime and paint all steel windows allow for replacement of window panes(40%)
- 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.
- GMS support posts with beam over to support roof above to Engineers detail.

No.	DATE	AMENDMENT	D.P.W.

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SACAP NO. : 6012

drawing title

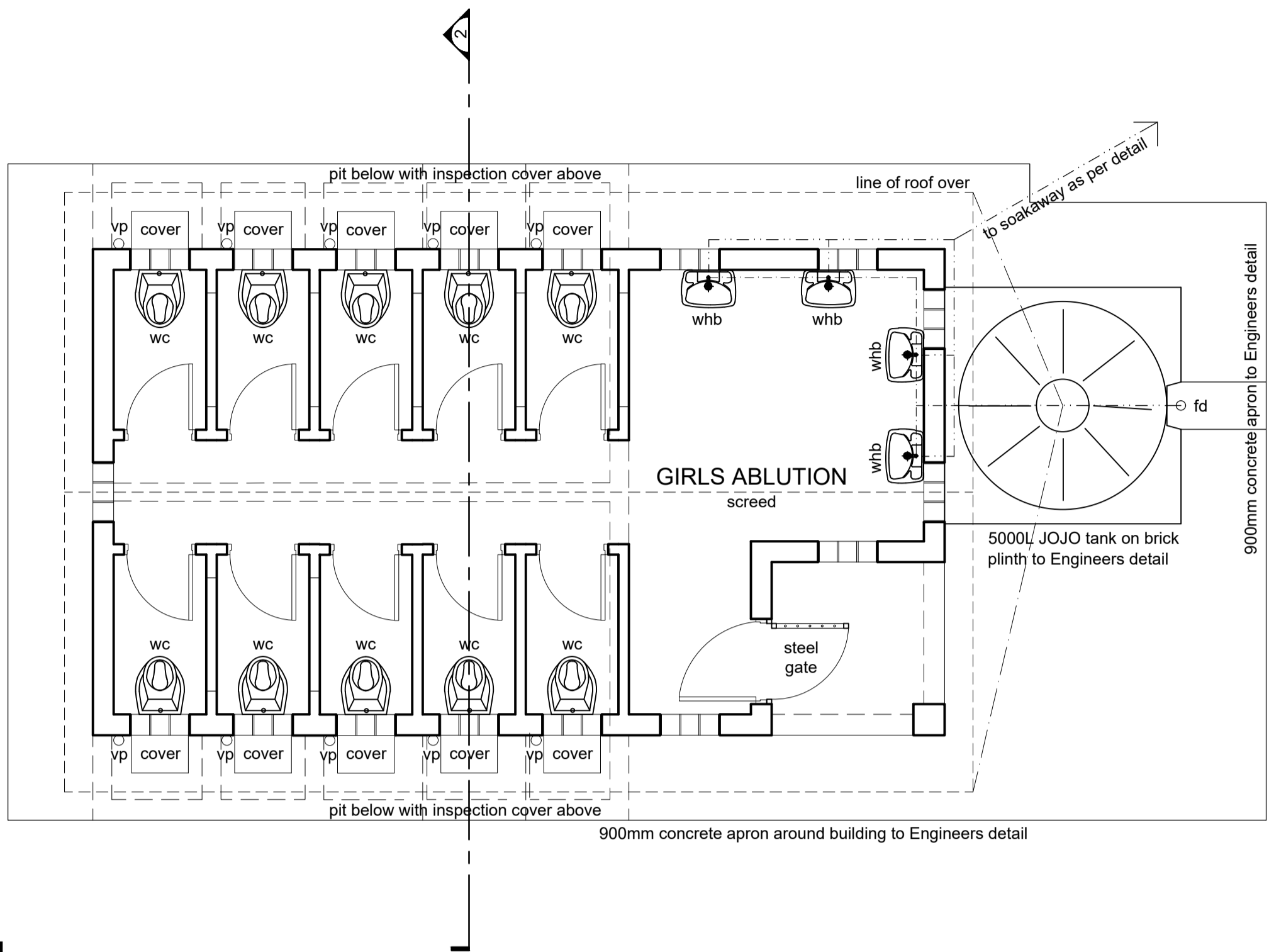
**KZN D.O.E. INFRASTRUCTURE
DEVELOPMENT AND MAINTENANCE
PROGRAMME**

MBASELA PRIMARY SCHOOL
EXISTING BLOCK U
TYPICAL 3 CLASSROOM BLOCK
PLAN,SECTION,ELEVATION

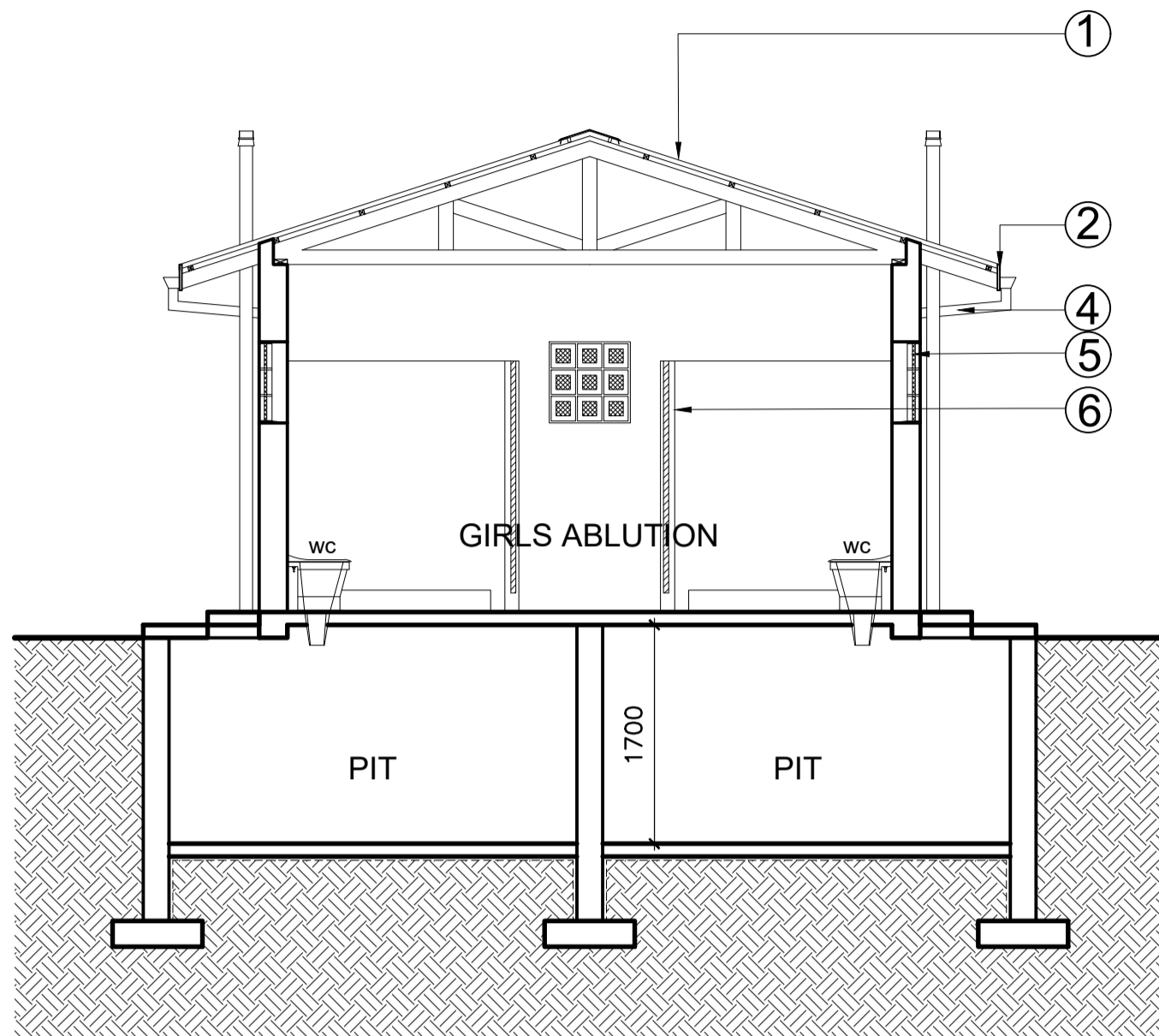
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date	MAY 2019	checked	LC
drawing number			REV

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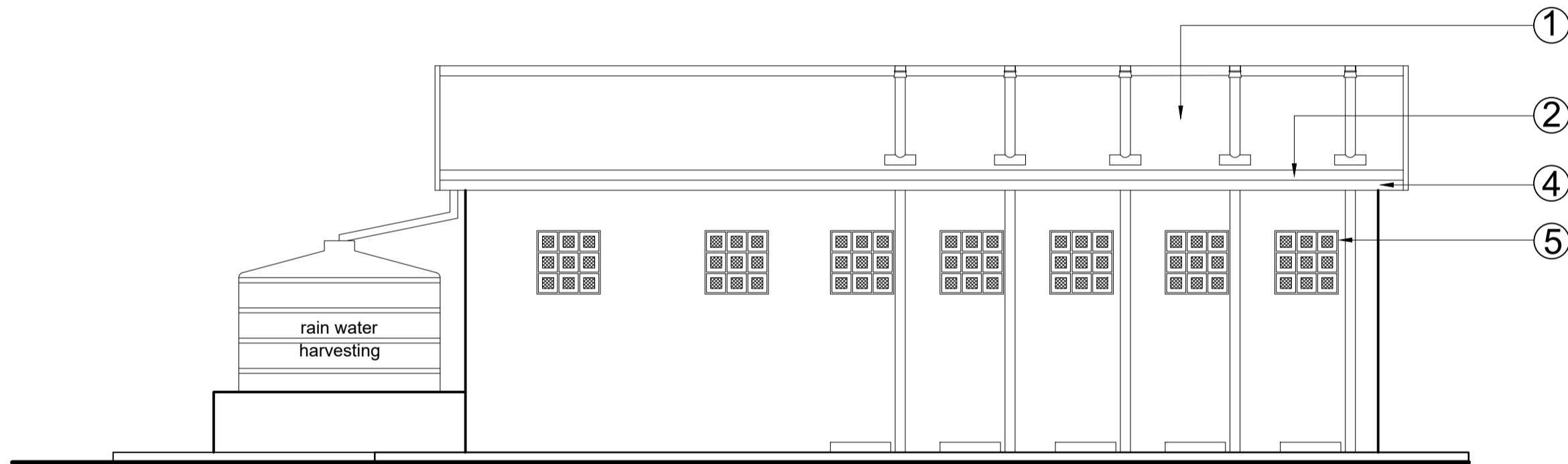
1 PLAN
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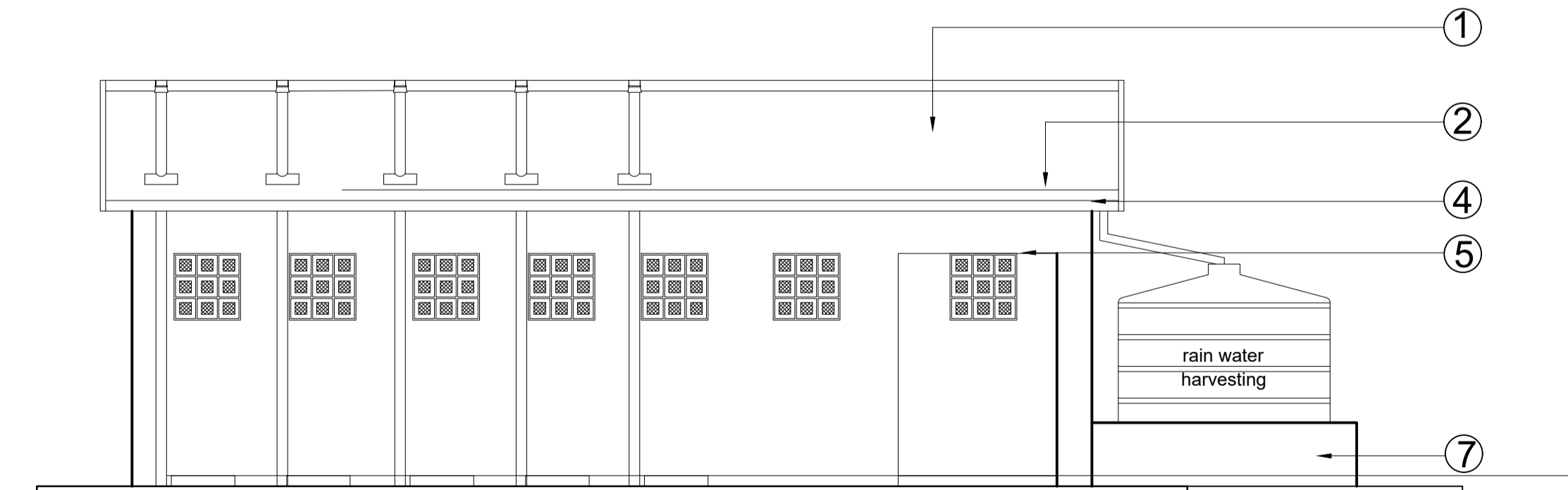
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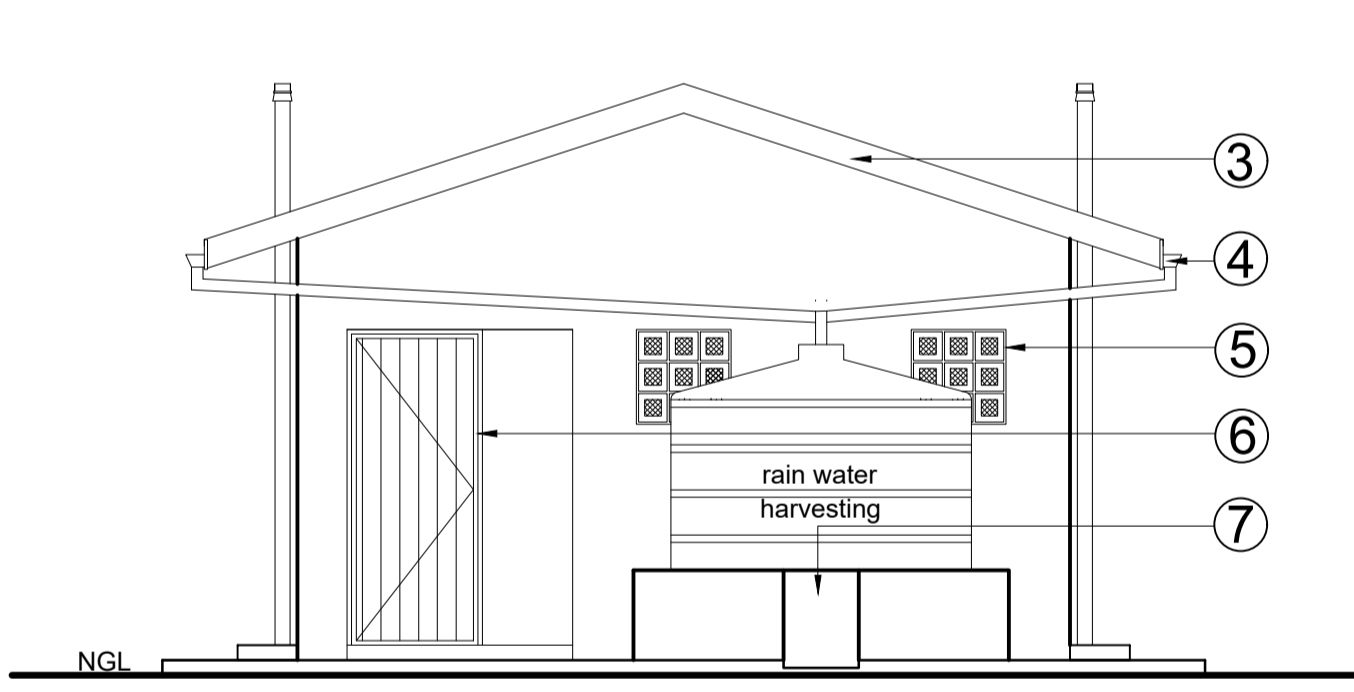
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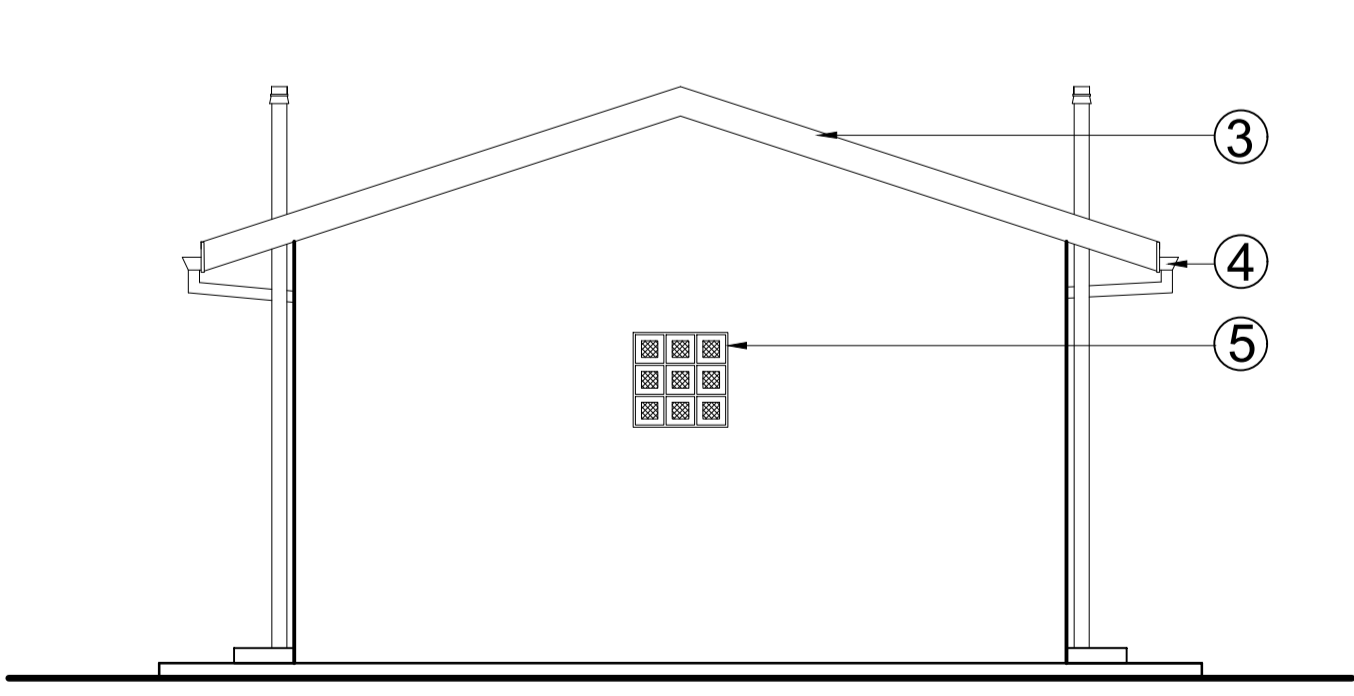
3 FRONT ELEVATION
SCALE 1:50



4 SIDE ELEVATION
SCALE 1:50



4 SIDE ELEVATION
SCALE 1:50



LEGEND

- Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting
- Existing fascias to be removed and replaced with new
- Existing barge boards to be removed and replace with new
- Replace damaged gutters and downpipes with new aluminium gutters and downpipes
- Replace damaged glazing and window mechanisms where necessary
- Replace damaged doors, frames and ironmongery where necessary and add galvanized security gate
- Rain water harvesting tank on concrete plinth to engineer's detail and specifications

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date: _____			
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PROVINCE OF KWAZULU-NATAL

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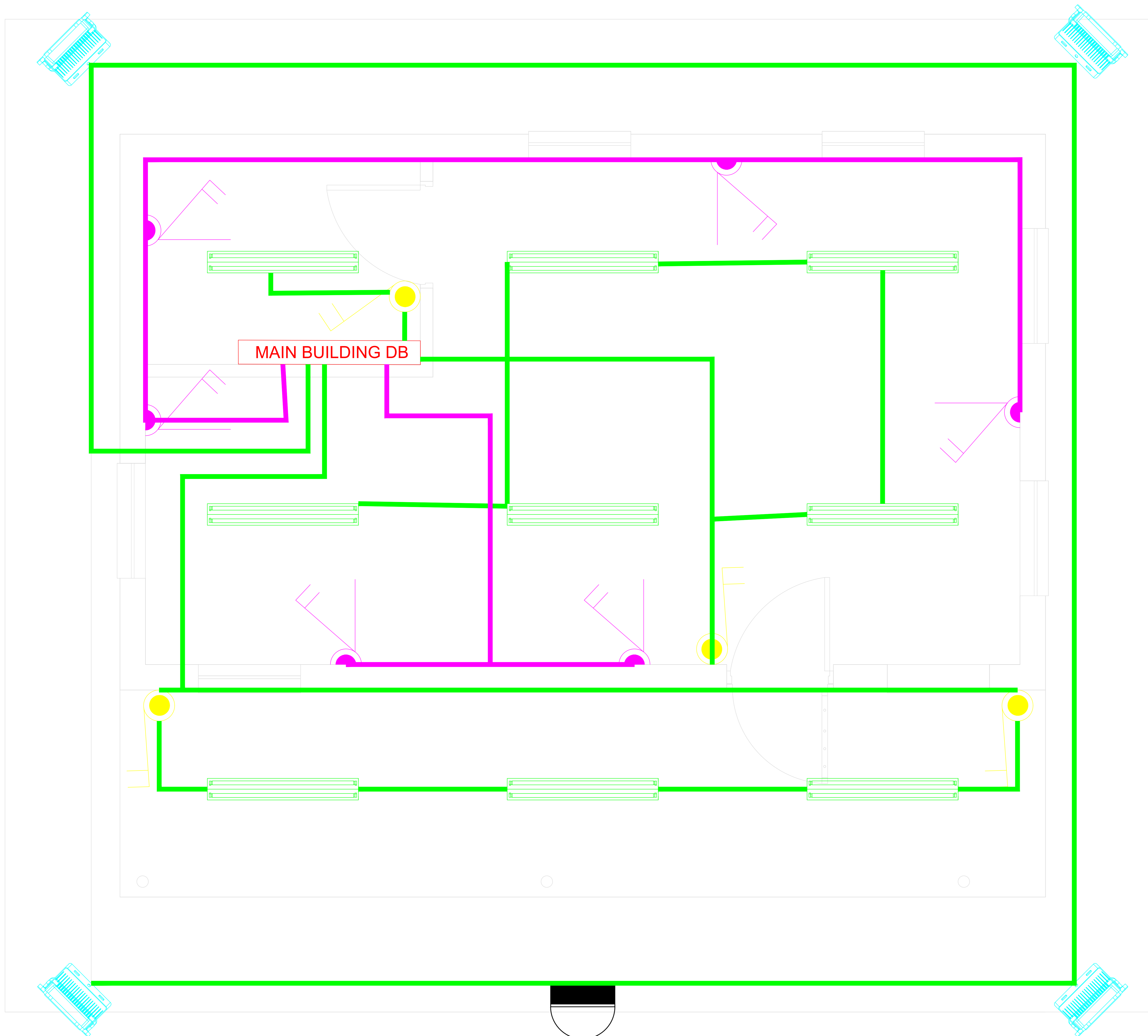
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architects, interior & urban designers
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fax : +27(31) 201 3930
e-mail : ravi@architrone.co.za
SACAP NO. : 6012

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

MBASELA PRIMARY SCHOOL
EXISTING BLOCK W
TYPICAL FEMALE ABLUTION (10 CUBICLE)
PLAN, SECTION, ELEVATION

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scale	AS INDICATED	drawn	KB
date	MAY 2019	checked	LC
drawing number			REV

1120.19-MBA-GA-2022

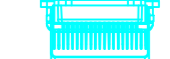



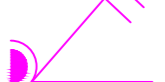







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10. ALL WET SERVICES ARE TO HAVE FLEXIBLE JOINTS AGAINST THE BUILDING.
11. STORMWATER IS TO BE ADEQUATELY ROUTED AWAY FROM THE STRUCTURE.
12. PONDING OF WATER DURING AND AFTER CONSTRUCTION IS NOT PERMITTED.

ITEM	DISCRIPTION	QTY
1	FLUORESCENT LIGHTS	9
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
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

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



CLIENT:

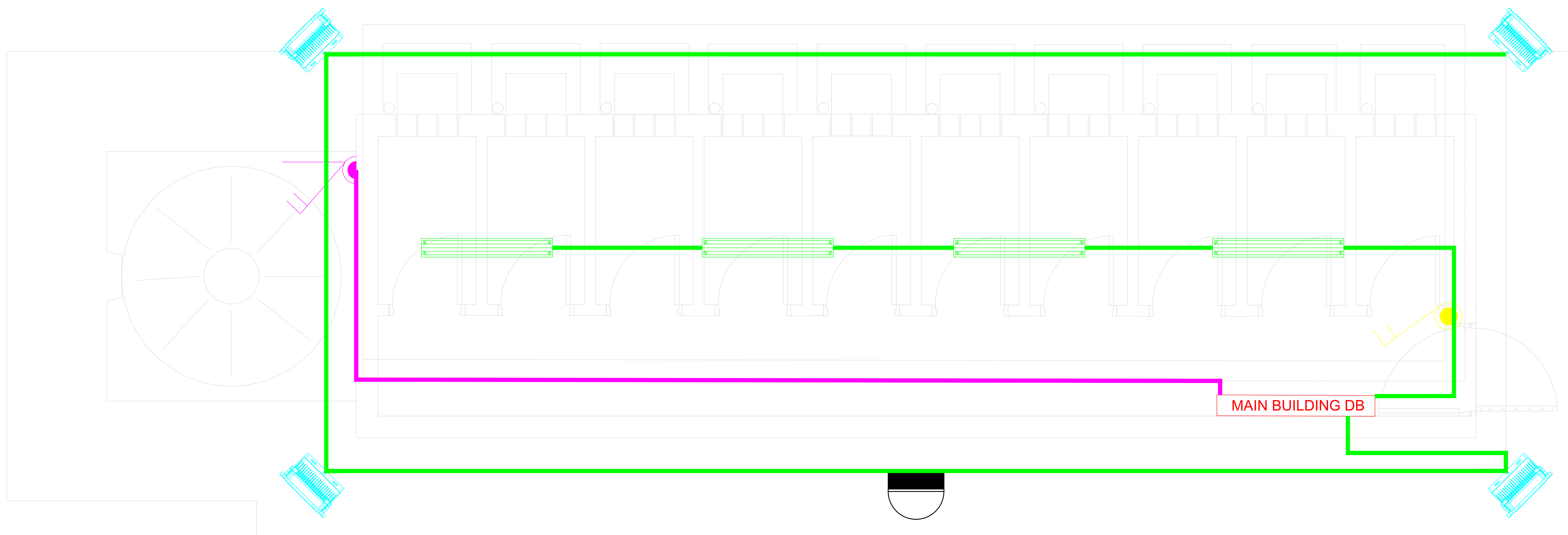


PROJECT:
KZN D.O.E. INFRASTRUCTURE DEVELOPMENT
AND MAINTENANCE PROGRAMME

TITLE:	MBASELA PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT
--------	---

SCALE AT A1: AS SHOWN	DATE: 18/10/22	DRAWN: M.B	CHECKED: N.V
PROJECT NO: J21003	DRAWING NO: 500-MBA-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 BE PERMITTED.

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

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:	---			---

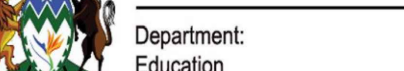
Civpro Engineering Joint Venture

The logo features a stylized 'C' in blue and green, followed by the word 'Civpro' in blue, and 'Engineering Joint Venture' in green below it.

Musgrave Centre
8th Floor, Musgrave Road,
Durban
Tel: (031) 000 0449
Fax: (086) 673 3964
www.civproeng.co.za

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Department:
Education
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PROJECT: KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: MBASELA PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
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PROJECT NO: J21003	DRAWING NO: 500-MBA-02		REVISION: A








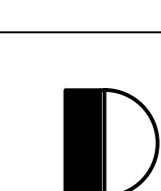


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ITEM	DISCRIPTION	QTY
1	FLUORESCENT LIGHTS	4
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	1
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	1
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

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

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DESIGNED BY:	M.B.			---
REVIEWED BY:	N.V.			---
APPROVED BY:	---			---

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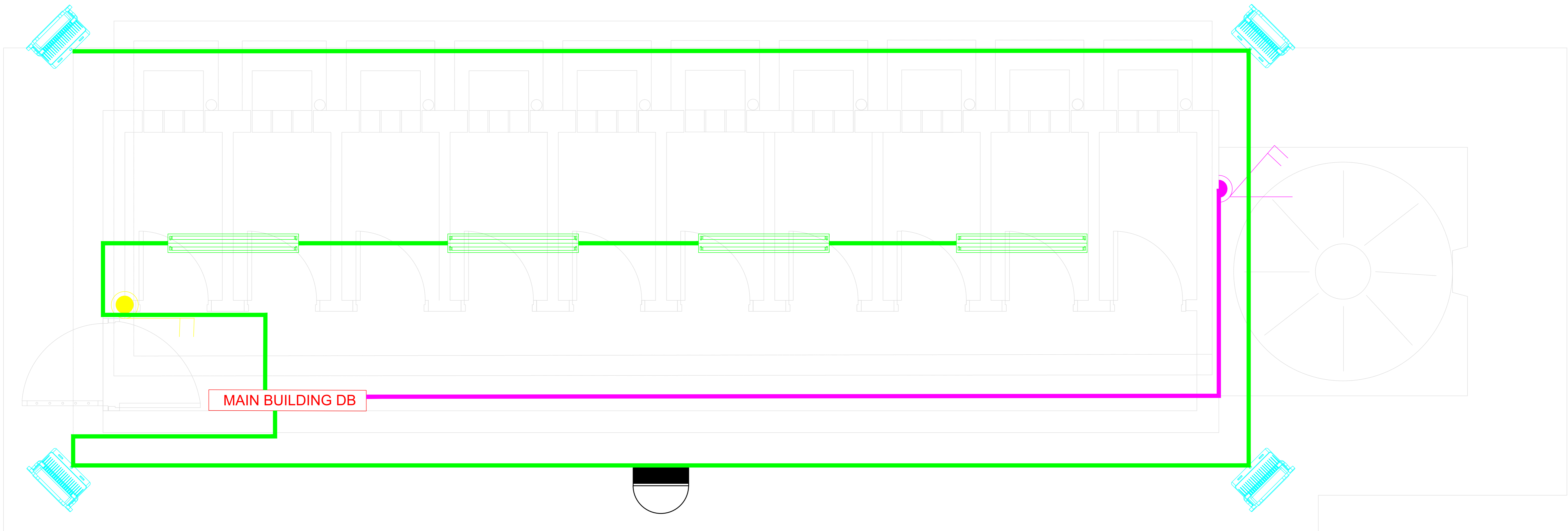


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TITLE: MBASELA PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1: AS SHOWN	DATE: 18/10/22	DRAWN: M.B	CHECKED: N.V
PROJECT NO: J21003		DRAWING NO: 500-MBA-03	REVISION: A





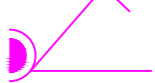


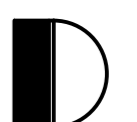


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7. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND THE CONSTRUCTION REGULATIONS.
8. SUBCONTRACTING OF ANY PORTION OF THE WORKS DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES 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	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	6
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

LEGEND

	FLUORESCENT LIGHTS
	PERIMETER SPOTLIGHTS
	ROOM SUPPLY DB'S
	MAIN BUILDING 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:	M.B.			---
REVIEWED BY:	N.V.			---
APPROVED BY:	---			---

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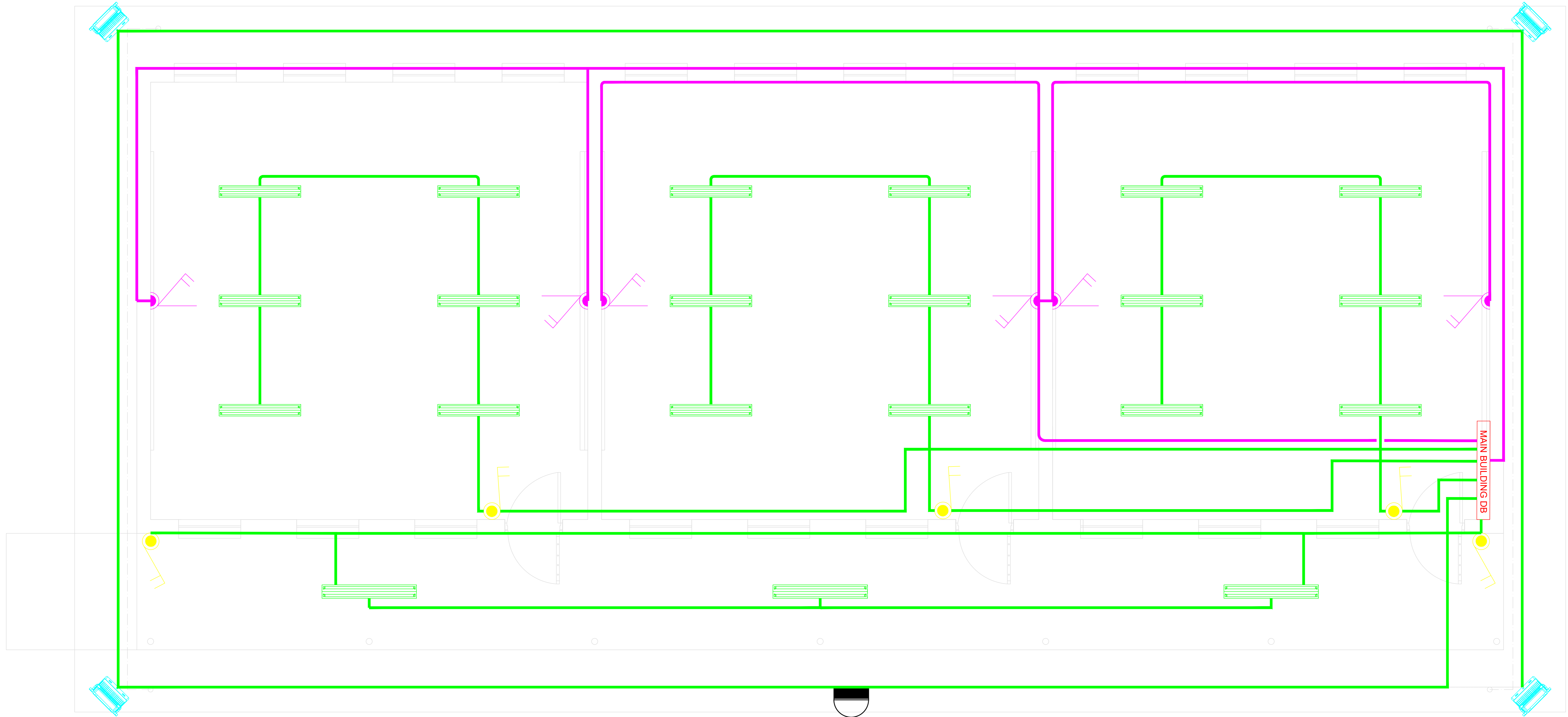


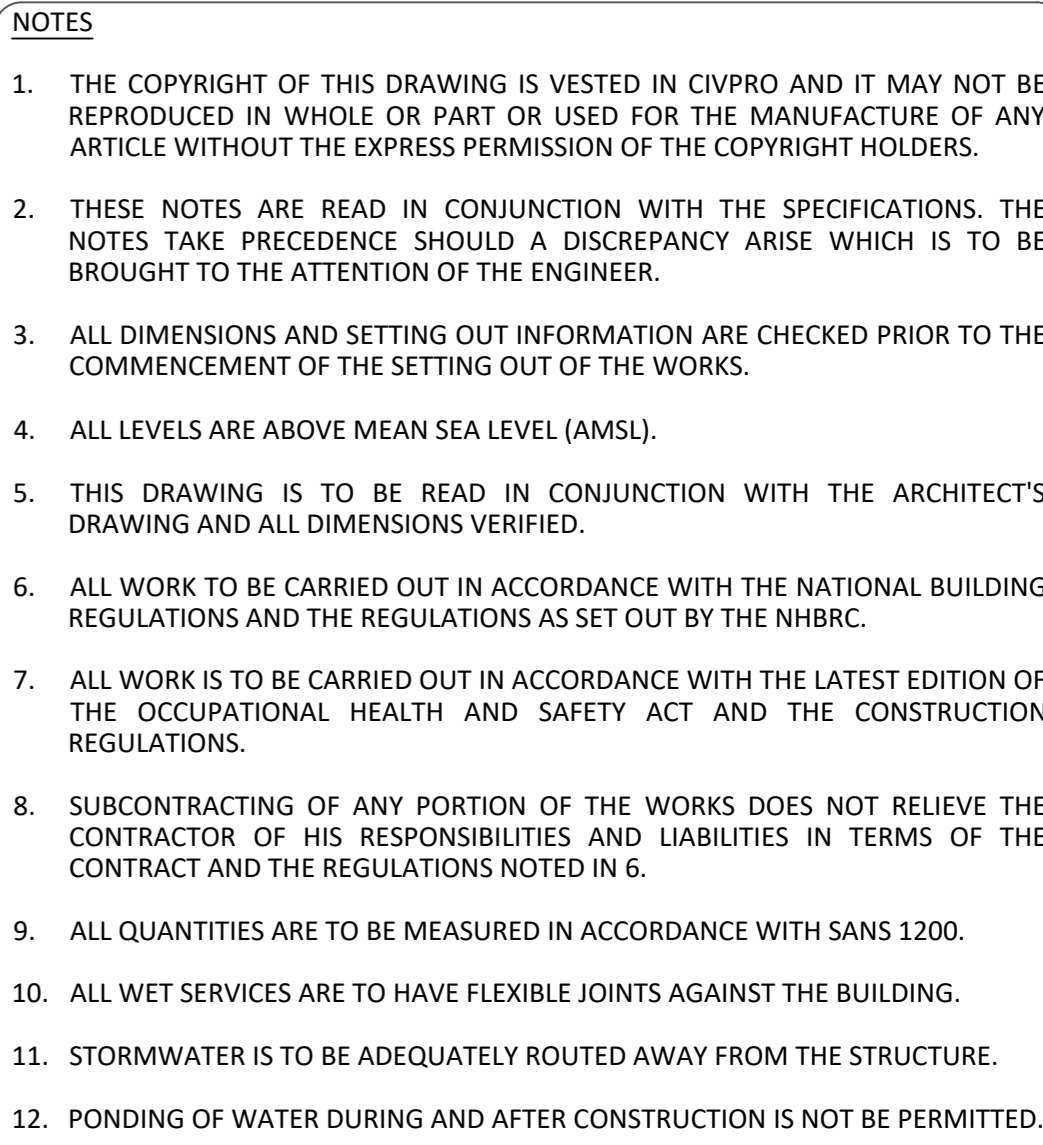
education
Department:
Education
PROVINCE OF KWAZULU-NATAL






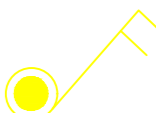






DBSA

PROJECT: KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: MBASELA PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1: AS SHOWN	DATE: 18/10/22	DRAWN: M.B	CHECKED: N.V
PROJECT NO: J21003	DRAWING NO: 500-MBA-04	REVISION: A	

[illegible][illegible]



<u>LEGEND</u>	
	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

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

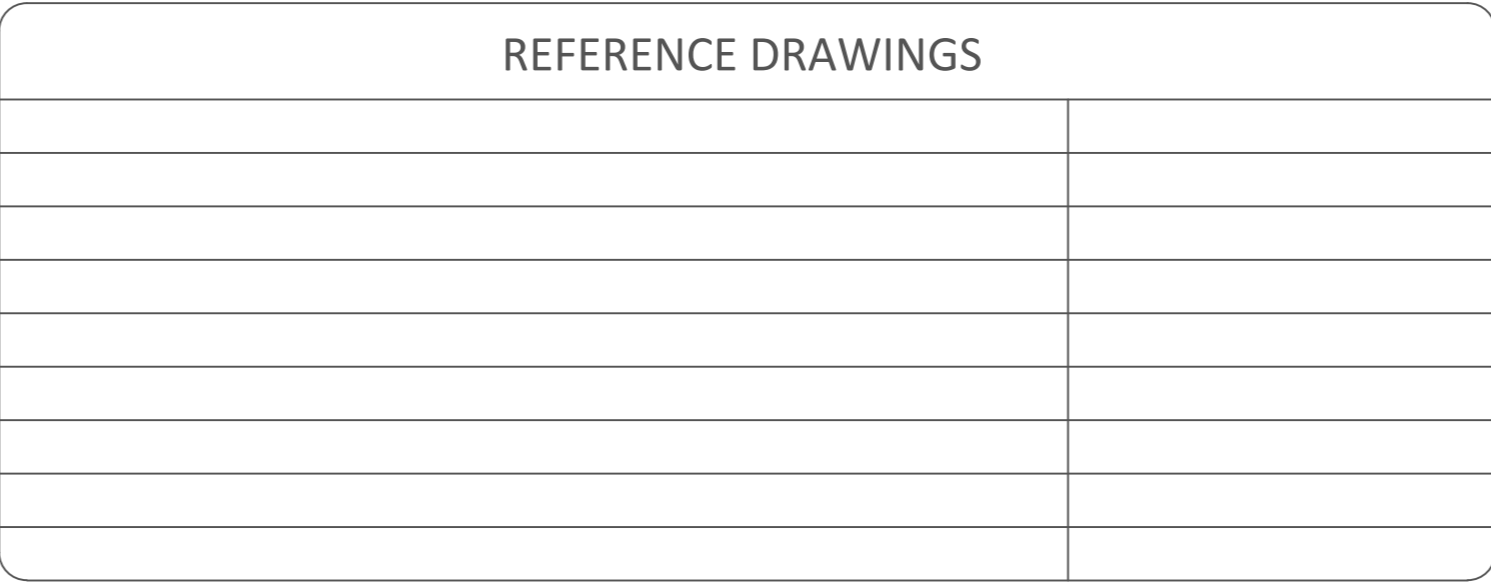
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Department:
Education
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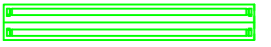



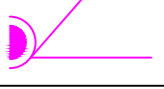
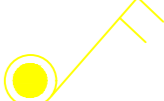




 **DBSA**

PROJECT:			
KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: MBASELA PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1:	DATE:	DRAWN:	CHECKED:
AS SHOWN	18/10/22	M.B.	N.V
PROJECT NO:		DRAWING NO:	REVISION:
J21003		500-MBA-05	A

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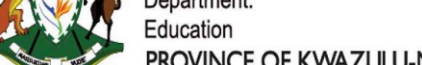
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7. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL FIRE PROTECTION ASSOCIATION HEALTH AND SAFETY ACT AND THE CONSTRUCTION REGULATIONS.
8. SUBCONTRACTING OF ANY PORTION OF THE WORKS DOES NOT RELIEVE THE CONTRACTOR 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.

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

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

CLIENT:

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

 **DBSA**


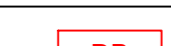







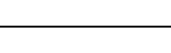
PROJECT: KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: MBASELA PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1: AS SHOWN	DATE: 18/10/22	DRAWN: M.B	CHECKED: N.V
PROJECT NO: J21003	DRAWING NO: 500-MBA-06		REVISION: A

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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	DISCRPTION	QTY
1	FLUORESCENT LIGHTS	27
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	6
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	9
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

LEGEND

	FLUORESCENT LIGHTS
	PERIMETER SPOTLIGHTS
	ROOM SUPPLY DB'S
	MAIN BUILDING 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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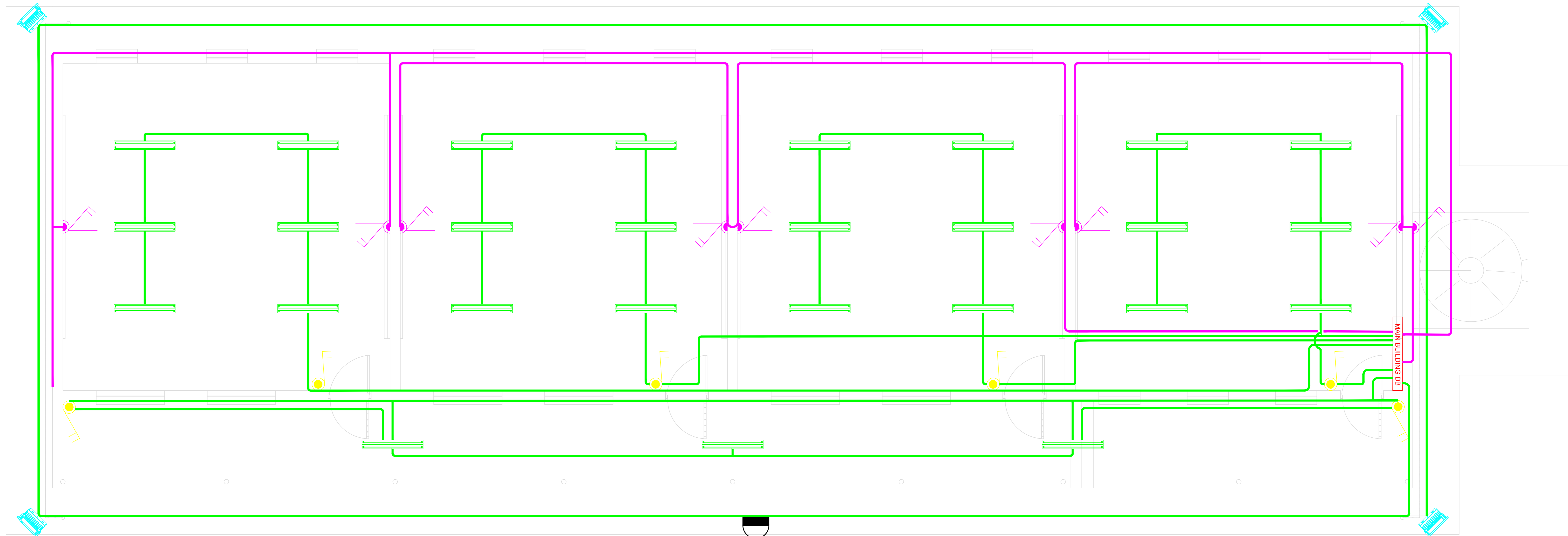
CLIENT:

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

TITLE:	MBASELA PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT
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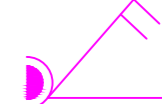
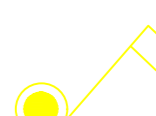




SCALE AT A1: AS SHOWN	DATE: 18/10/22	DRAWN: M.B	CHECKED: N.V
PROJECT NO: J21003	DRAWING NO: 500-MBA-07		REVISION: A

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ITEM	DISCRIPTION	QTY
1	FLUORESCENT LIGHTS	27
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	6
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	9
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

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**

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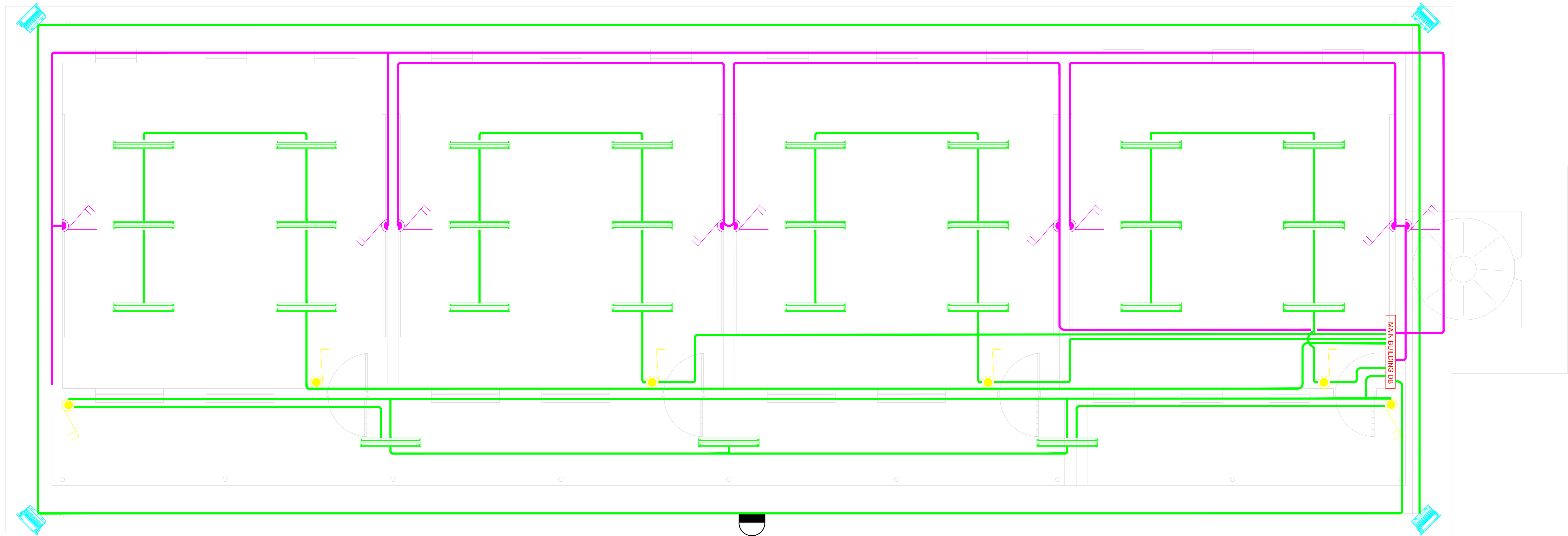
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Department:
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PROVINCE OF KWAZULU-NATAL



PROJECT: KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: MBASELA PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1: AS SHOWN	DATE: 18/10/22	DRAWN: M.B	CHECKED: N.V
PROJECT NO: J21003		DRAWING NO: 500-MBA-08	REVISION: A

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ITEM	DISCRIPTION	QTY
1	FLUORESCENT LIGHTS	27
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	6
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	9
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

	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

FOR INFORMATION


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

Civpro Engineering Joint Venture

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

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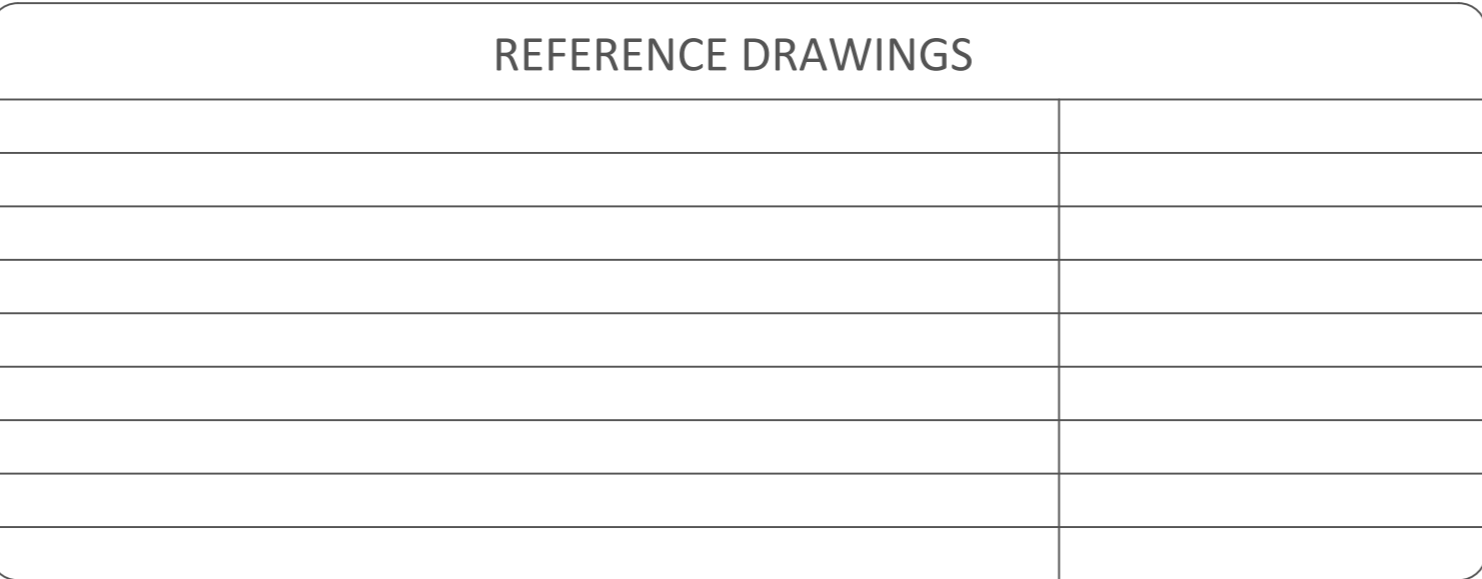
 **education**

Department:
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PROVINCE OF KWAZULU-NATAL



PROJECT: KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: MBASELA PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1: AS SHOWN	DATE: 18/10/22	DRAWN: M.B	CHECKED: N.V
PROJECT NO: J21003		DRAWING NO: 500-MBA-09	REVISION: A

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ITEM	DISCRPTION	QTY
1	FLUORESCENT LIGHTS	15
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	4
6	DOUBLE LIGHT SWITCH	2
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	18
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

	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

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

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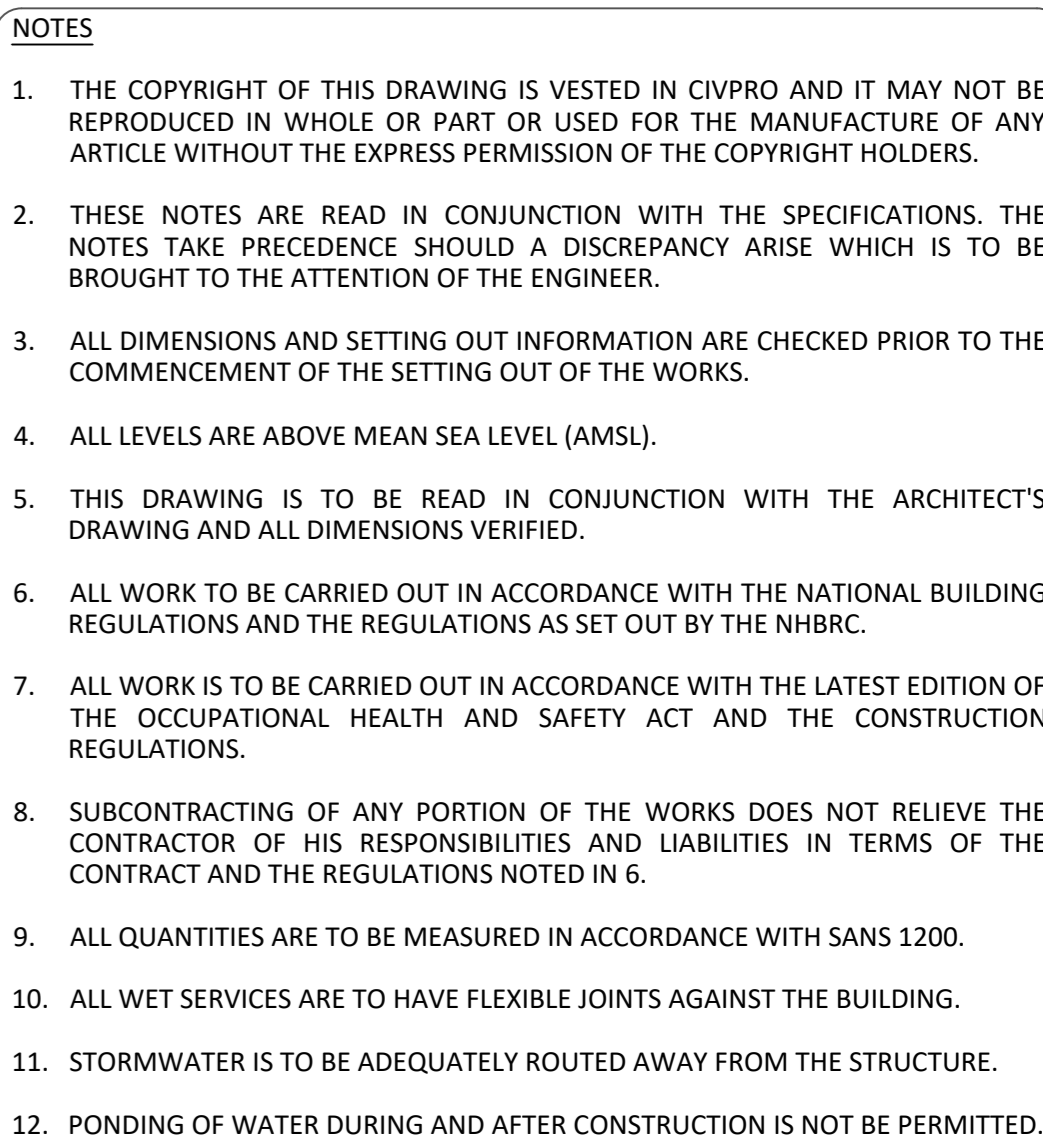
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PROJECT: KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: MBASELA PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT AS: AS SHOWN	DATE: 18/10/22	DRAWN: M.B.	CHECKED: N.V
PROJECT NO: J21003		DRAWING NO: 500-MBA-10	REVISION: A



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	4
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

	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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PROJECT:			
KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE:			
MBASELA PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1:	DATE:	DRAWN:	CHECKED:
AS SHOWN	18/10/22	M.B	N.V
PROJECT NO:	DRAWING NO:	REVISION:	
J21003	500-MBA-11	A	




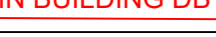






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7. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND THE CONSTRUCTION REGULATIONS.
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9. ALL QUANTITIES ARE TO BE MEASURED IN ACCORDANCE 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	27
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	6
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	9
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

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

 Musgrave Centre
8th Floor, Musgrave Road,
Durban
Tel: (031) 000 0449
Fax: (086) 673 3964
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CLIENT:

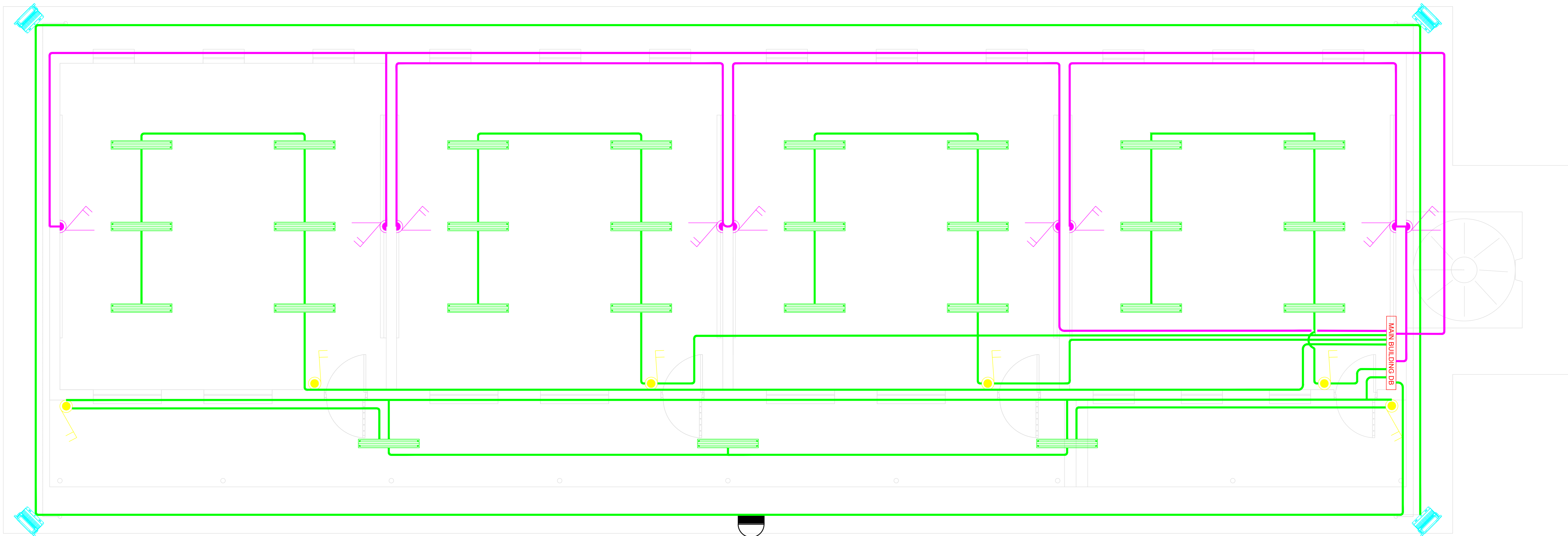


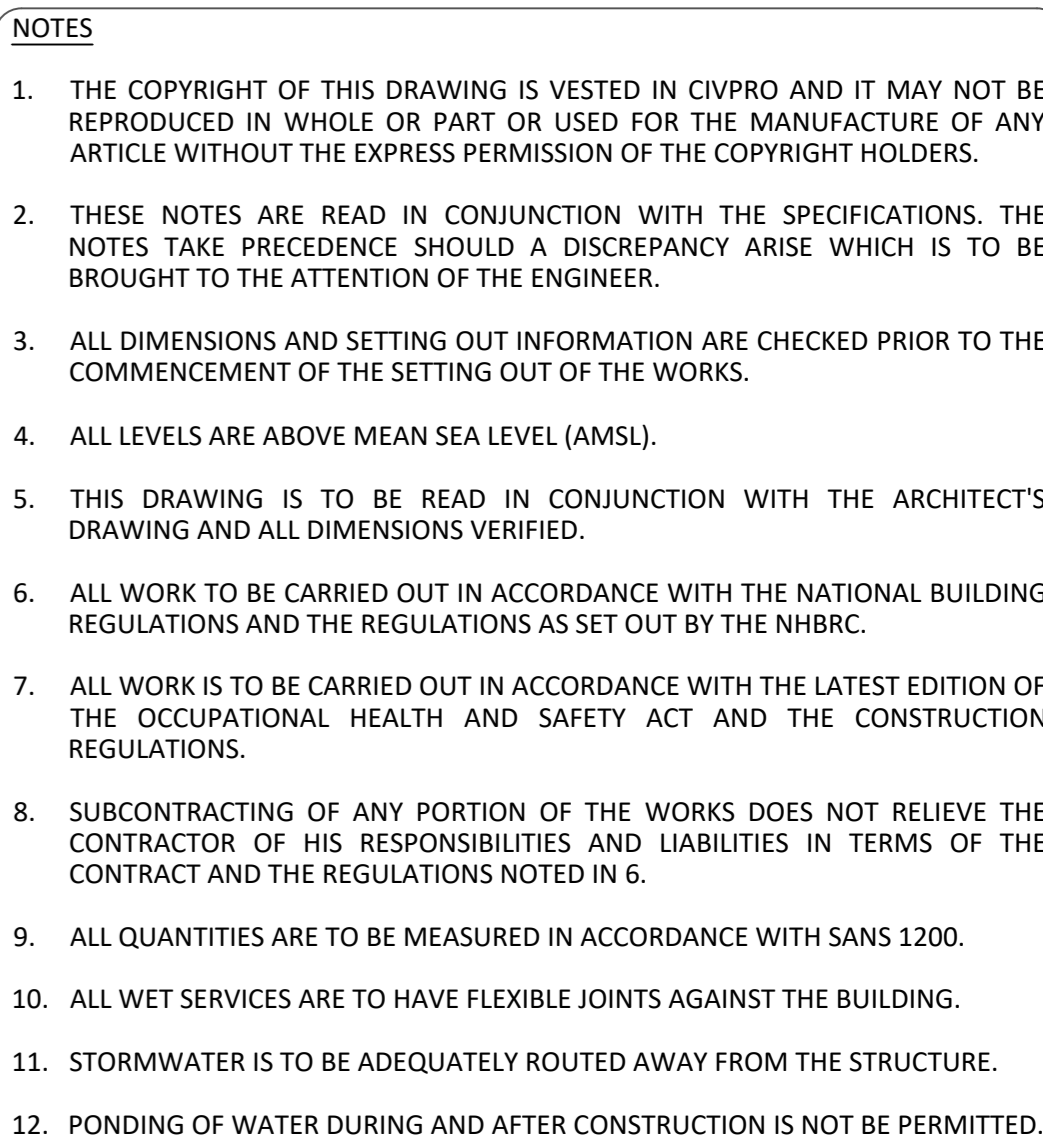
education
Department:
Education
PROVINCE OF KWAZULU-NATAL

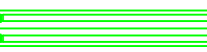



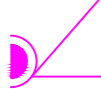
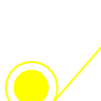






DBSA

PROJECT: KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: MBASELA PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1: AS SHOWN	DATE: 18/10/22	DRAWN: M.B	CHECKED: N.V
PROJECT NO: J21003	DRAWING NO: 500-MBA-12	REVISION: A	

[illegible][illegible]



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

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

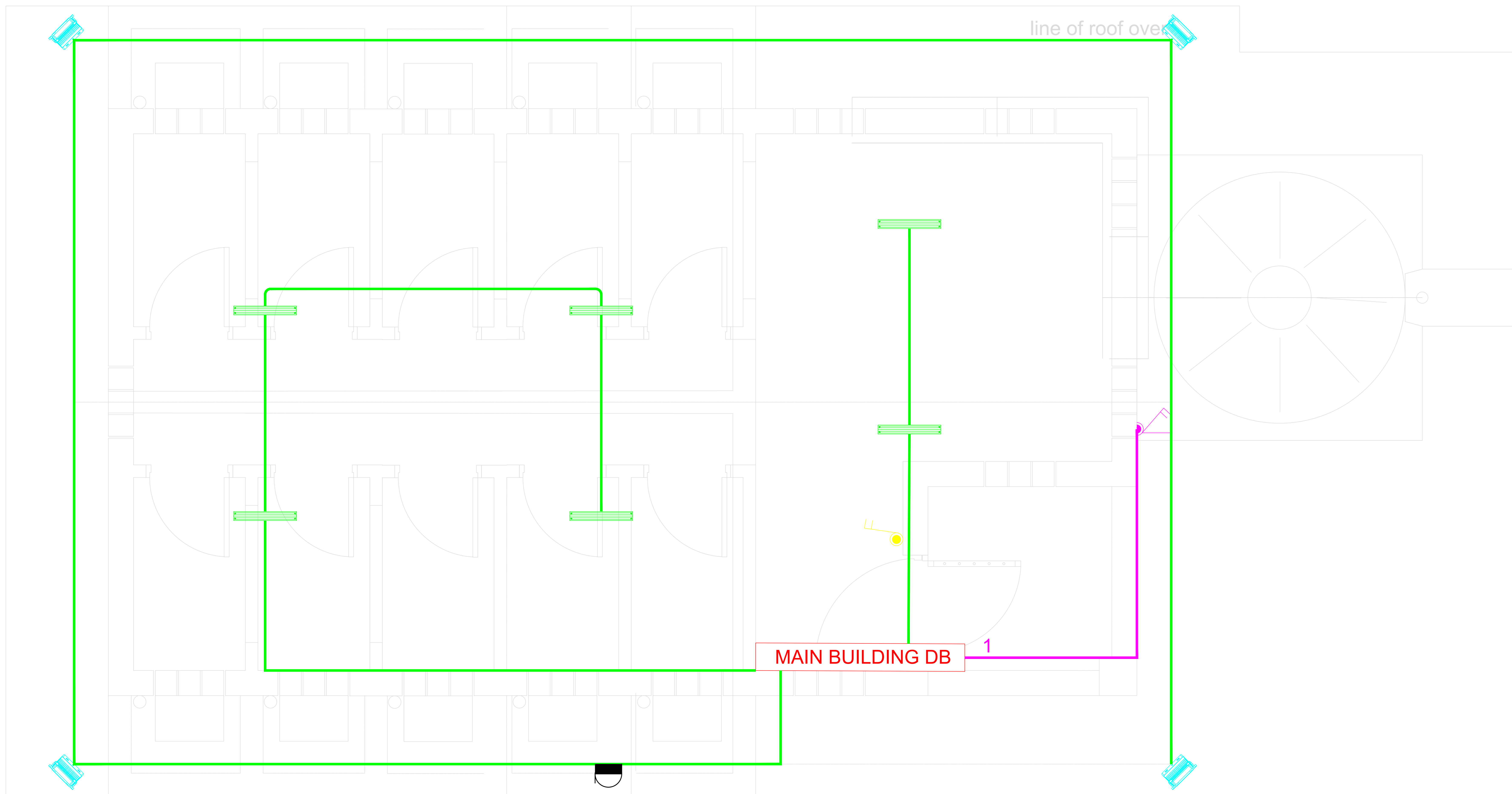
CLIENT:

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

 **DBSA**

PROJECT: KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: MBASELA PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1: AS SHOWN	DATE: 18/10/22	DRAWN: M.B	CHECKED: N.V
PROJECT NO: J21003	DRAWING NO: 500-MBA-13		REVISION: A

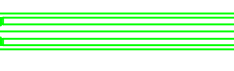




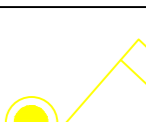
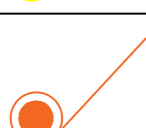



[illegible][illegible]



- | NOTES | |
|-------|---|
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| 12. | PONDING OF WATER DURING AND AFTER CONSTRUCTION IS NOT PERMITTED. |

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

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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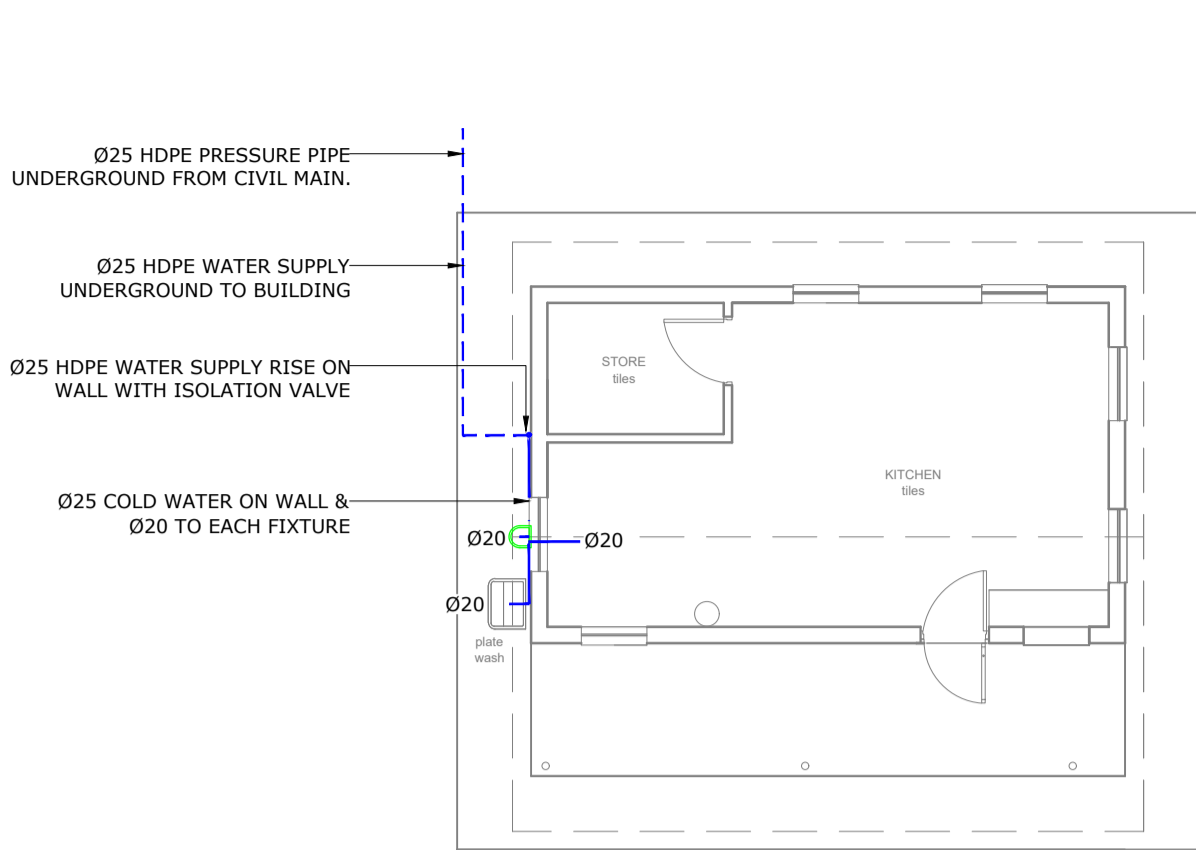
education
Department:
Education
PROVINCE OF KWAZULU-NATAL



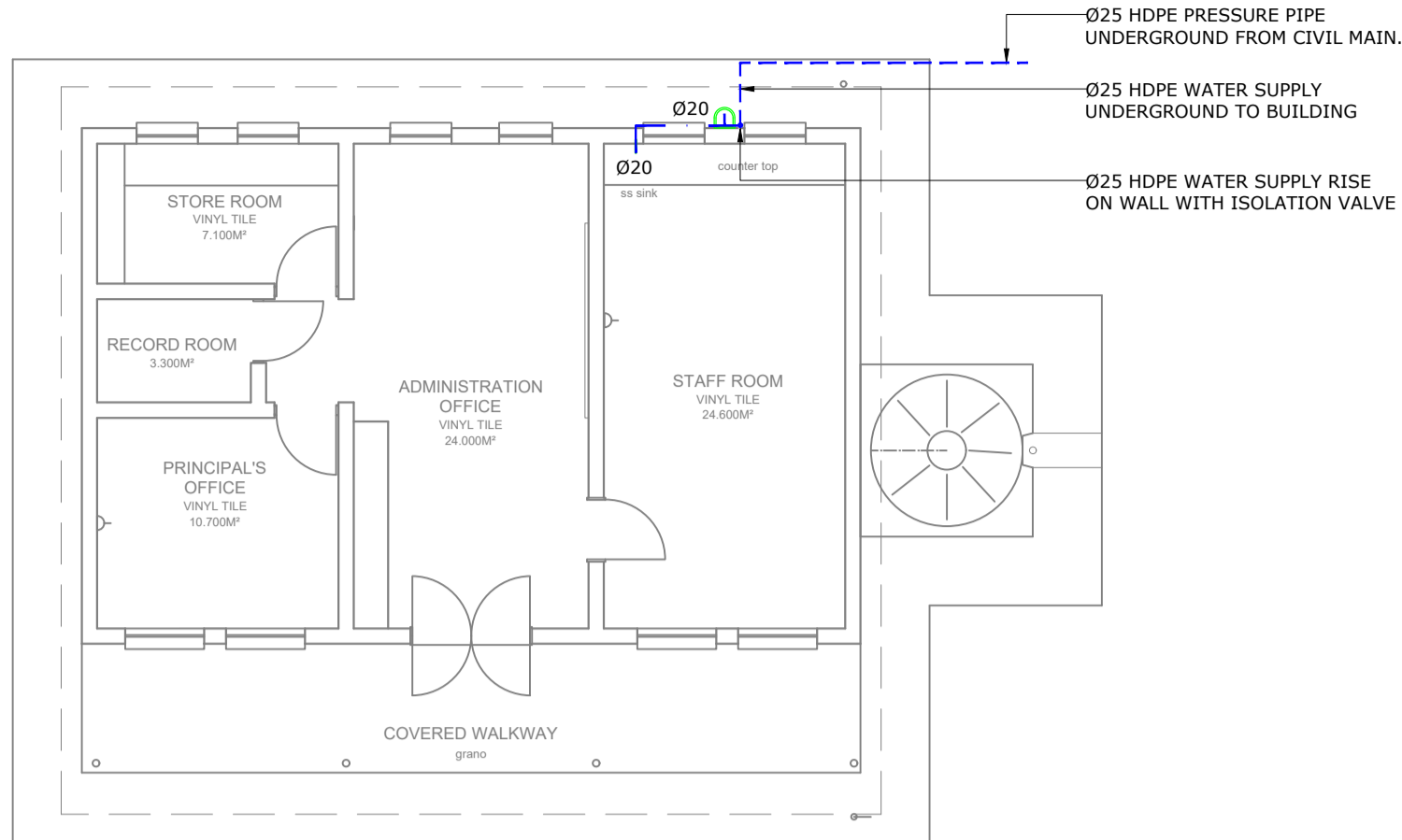
DBSA

PROJECT: KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: MBASELA PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT			
SCALE AT A1: AS SHOWN	DATE: 18/10/22	DRAWN: M.B	CHECKED: N.V
PROJECT NO: J21003	DRAWING NO: 500-MBA-14		REVISION: A

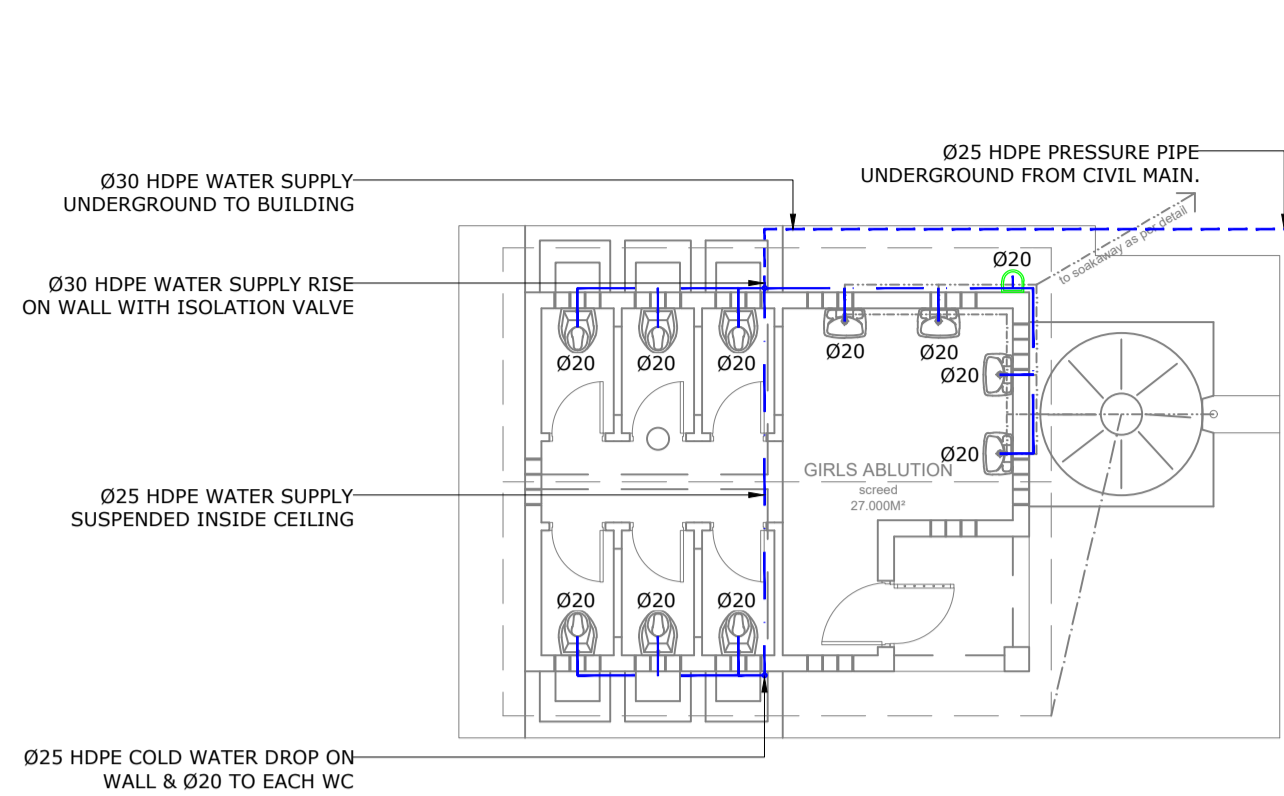
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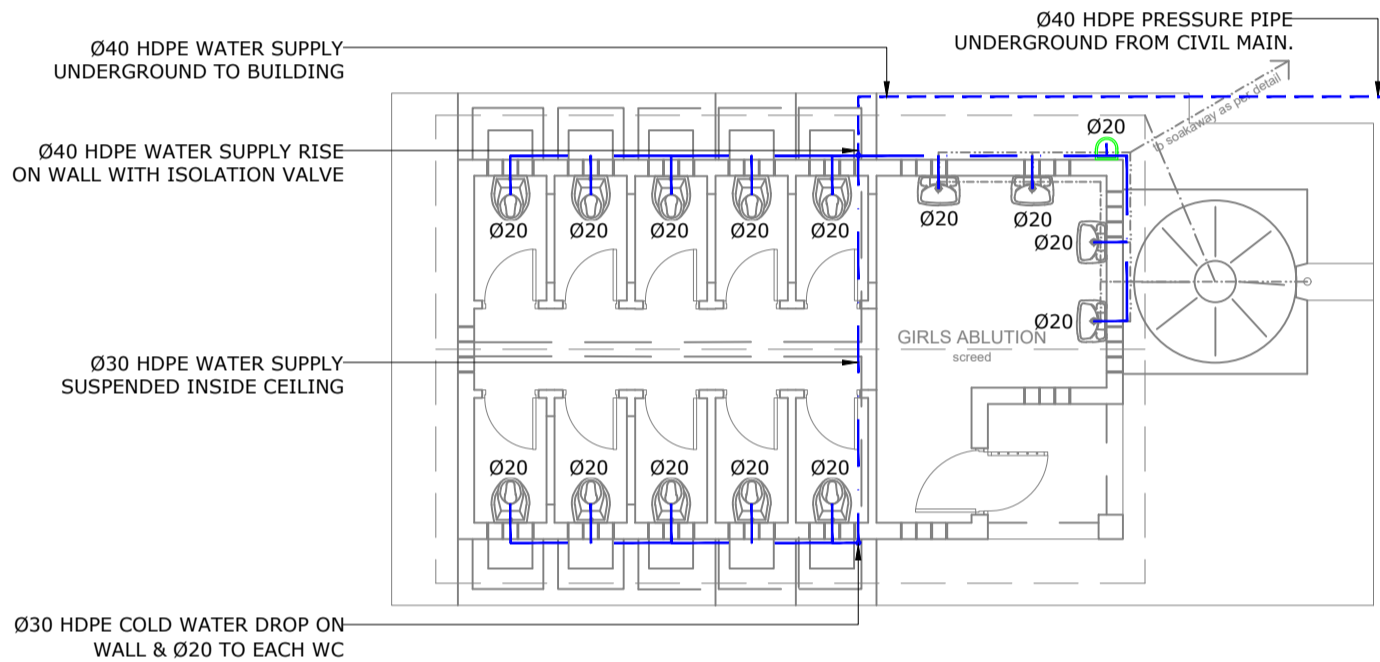
**01 - Existing Block B - Typical Kitchen Plan:
Water Reticulation Layout
Scale 1:100**



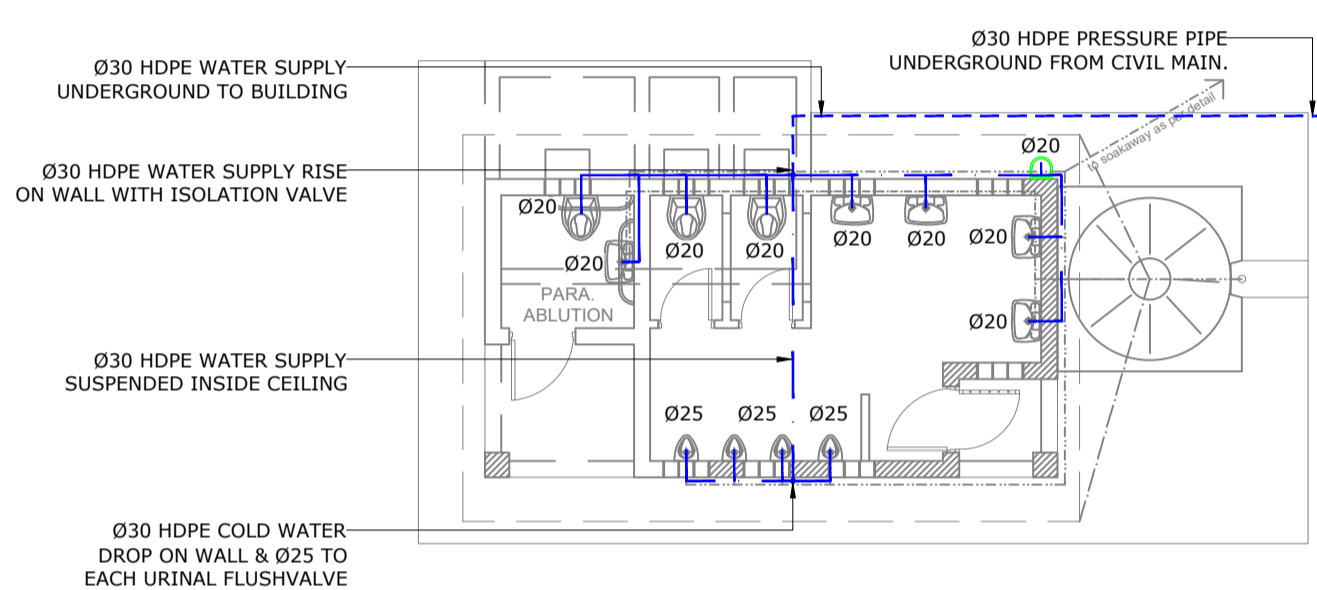
**02 - Existing Block O - Typical Admin Plan:
Water Reticulation Layout
Scale 1:100**



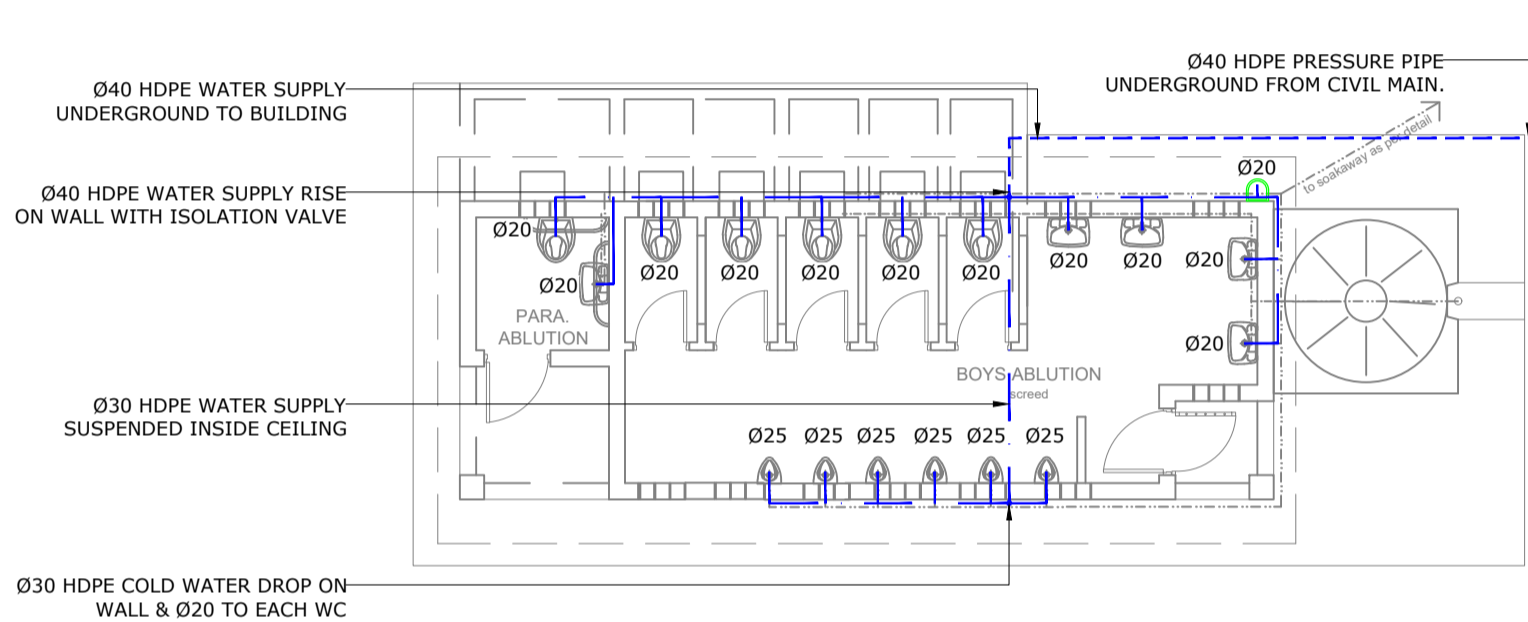
**03 - Existing Block - Typical Girls Ablution Plan:
Water Reticulation Layout
Scale 1:100**



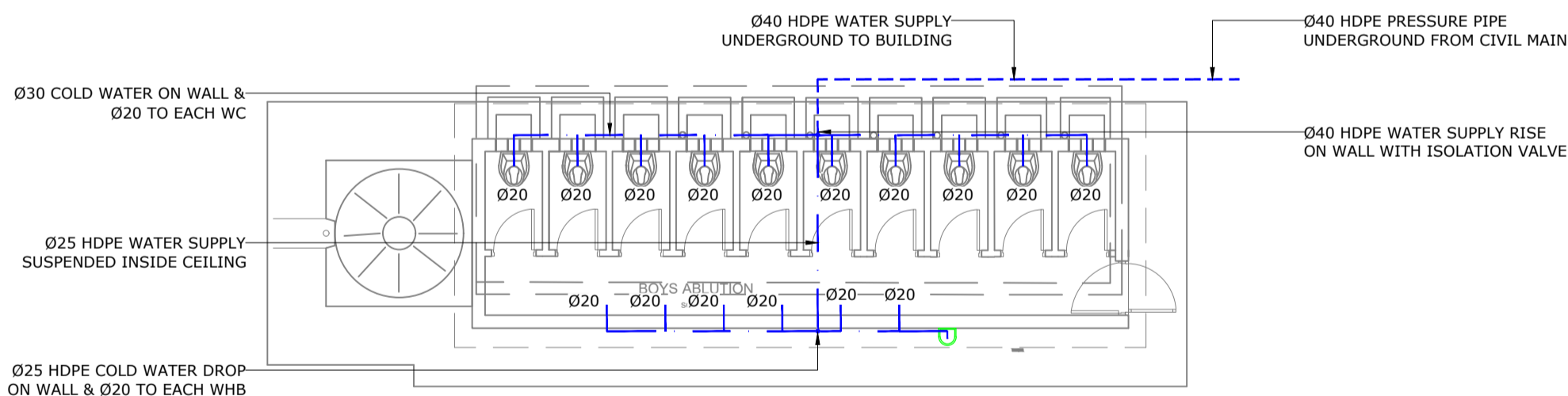
**04 - Existing Block W - Typical Female Ablution Plan (10):
Water Reticulation Layout
Scale 1:100**



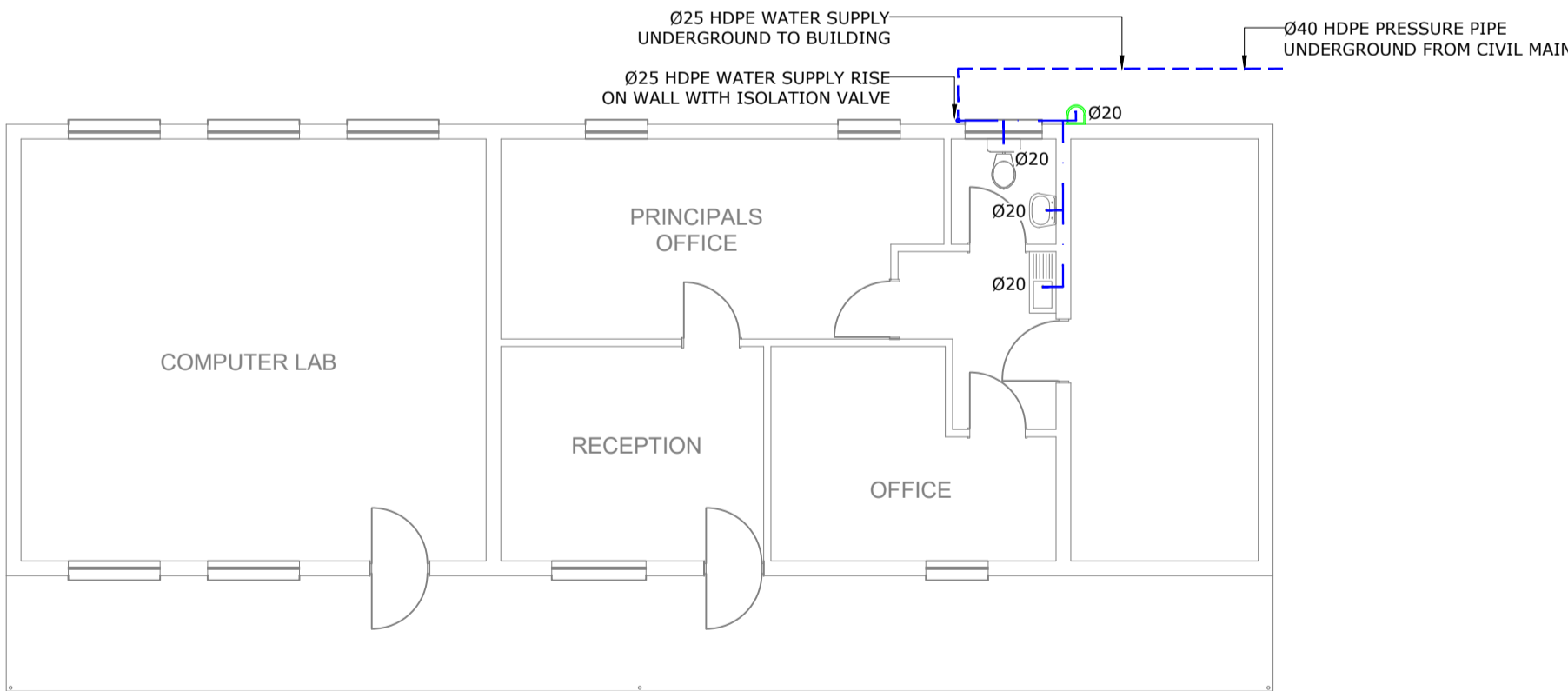
**05 - Existing Block - Typical Ablution Plan:
Water Reticulation Layout
Scale 1:100**



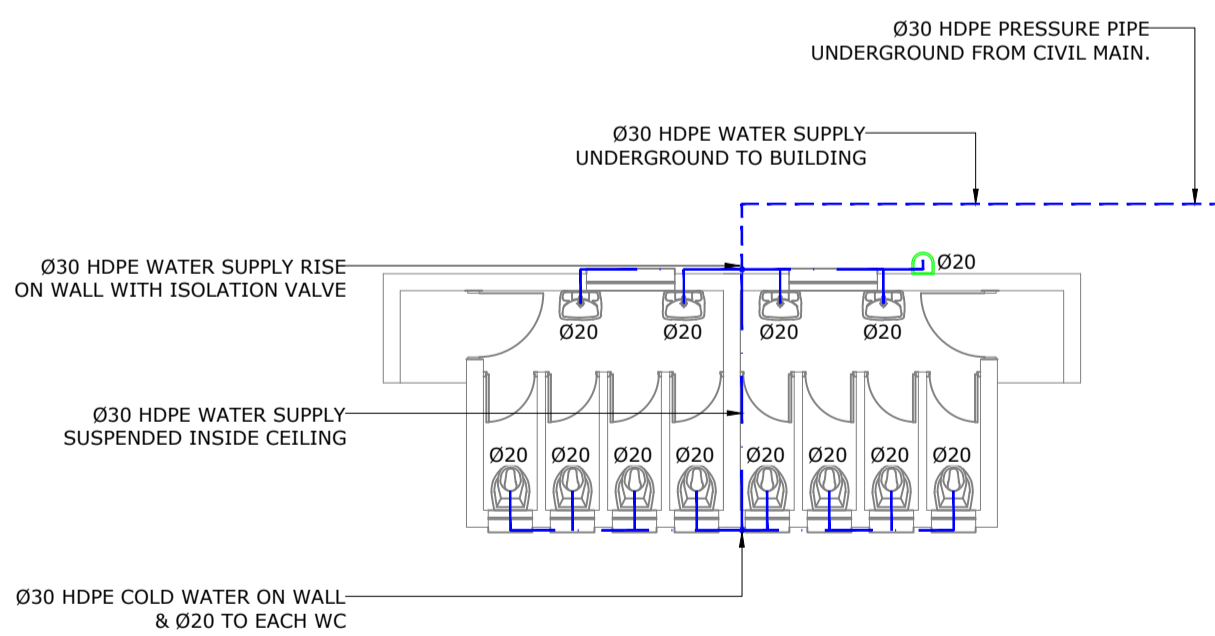
**06 - Existing Block - Typical Boys Ablution Plan:
Water Reticulation Layout
Scale 1:100**



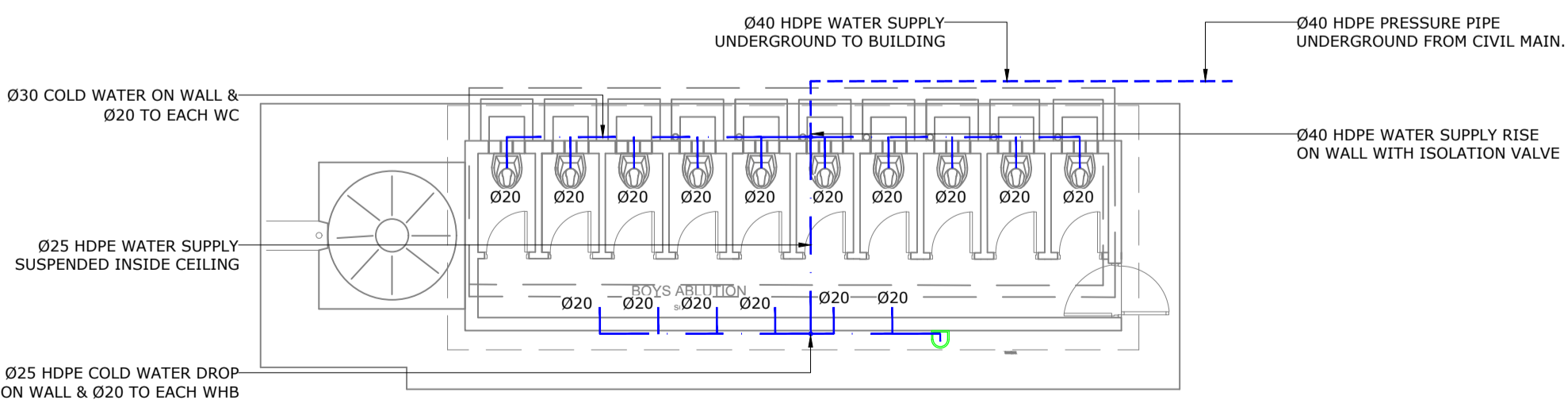
**07 - Existing Block E Typical Female Ablutions (10 Cubicle) Plan:
Drainage Reticulation Layout
Scale 1:100**



**09 - Existing Admin Block: Water Reticulation Layout
Scale 1:100**



**10 - Existing Admin, O/Male & Female:
Water Reticulation Layout
Scale 1:100**



**08 - Existing Block D Typical Male Ablutions (10 Cubicle) Plan:
Water Reticulation Layout
Scale 1:100**

PLUMBER TO NOTE:
• FINAL PIPE ROUTING TO BE
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General Notes:
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6. The master held at Givpro bears the original signature of approval.

No.	Date	Revisions	Drawn
A	2022/10/14	Issued For Information	M.R

Dwg No.	Description
1120-19-MBA-GA-2014	Existing Admin, O/Male & Female & Block W
1120-19-MBA-GA-2003	Existing Block B Typical Kitchen Plan
1120-19-MBA-GA-2005	Existing Block O Typical Male Ablution (10)
1120-19-MBA-GA-2005	Existing Block E Typical Female Ablution (10)
1120-19-MBA-GA-2014	Existing Block O Typical Admin
1120-19-MBA-GA-2023	Existing Block W Typical Female Ablution (10)

— HOT WATER RETURN
 — COLD WATER SUPPLY
 — HOT WATER SUPPLY

Project Name:
DBSA Schools - Mbasela Primary School

Project Description:
KZN D.O.E Infrastructure Development & Maintenance Programme

Project Service:
Mechanical: Wet Services

Client:



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Consultants:

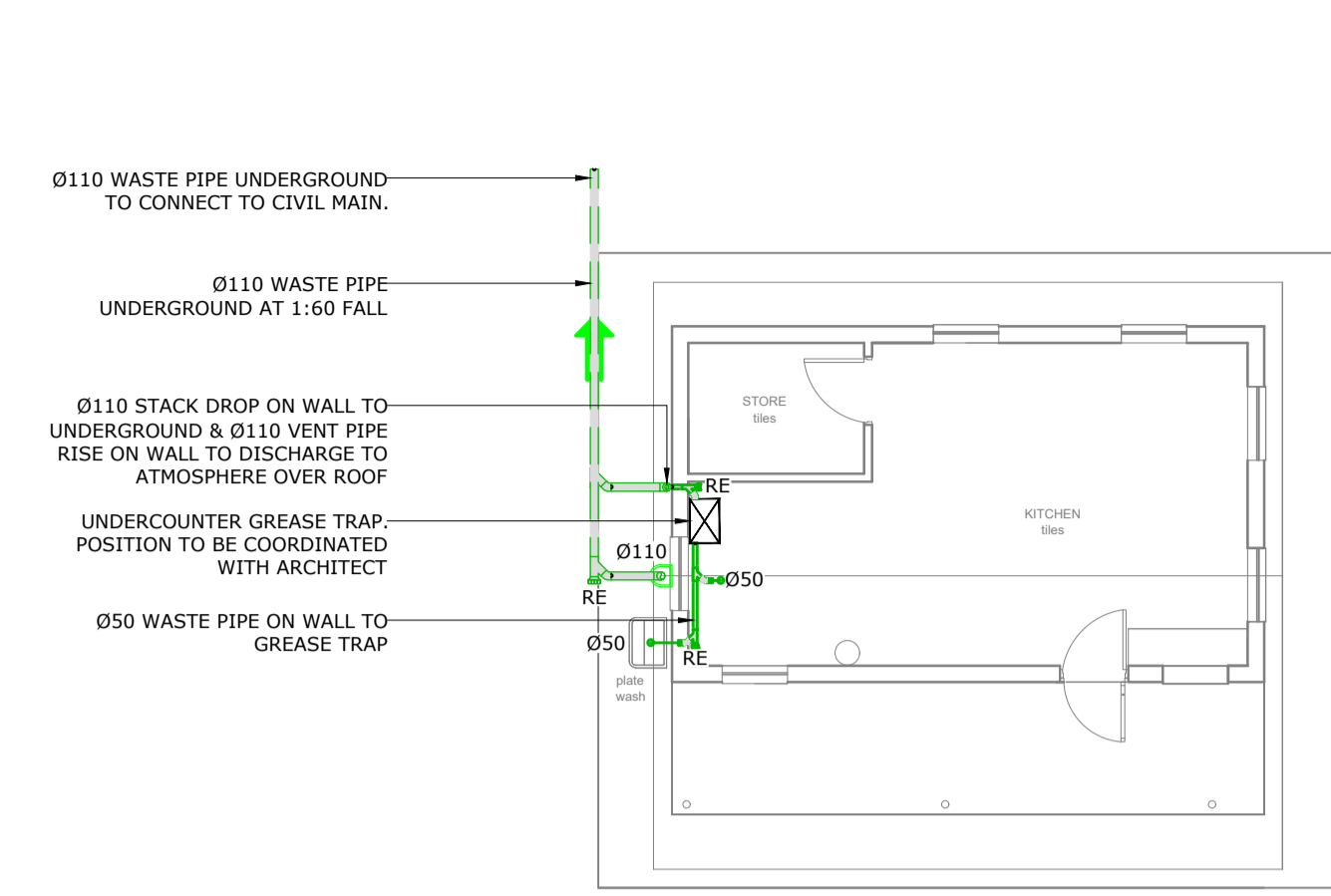


Drawing Issued:
For Information

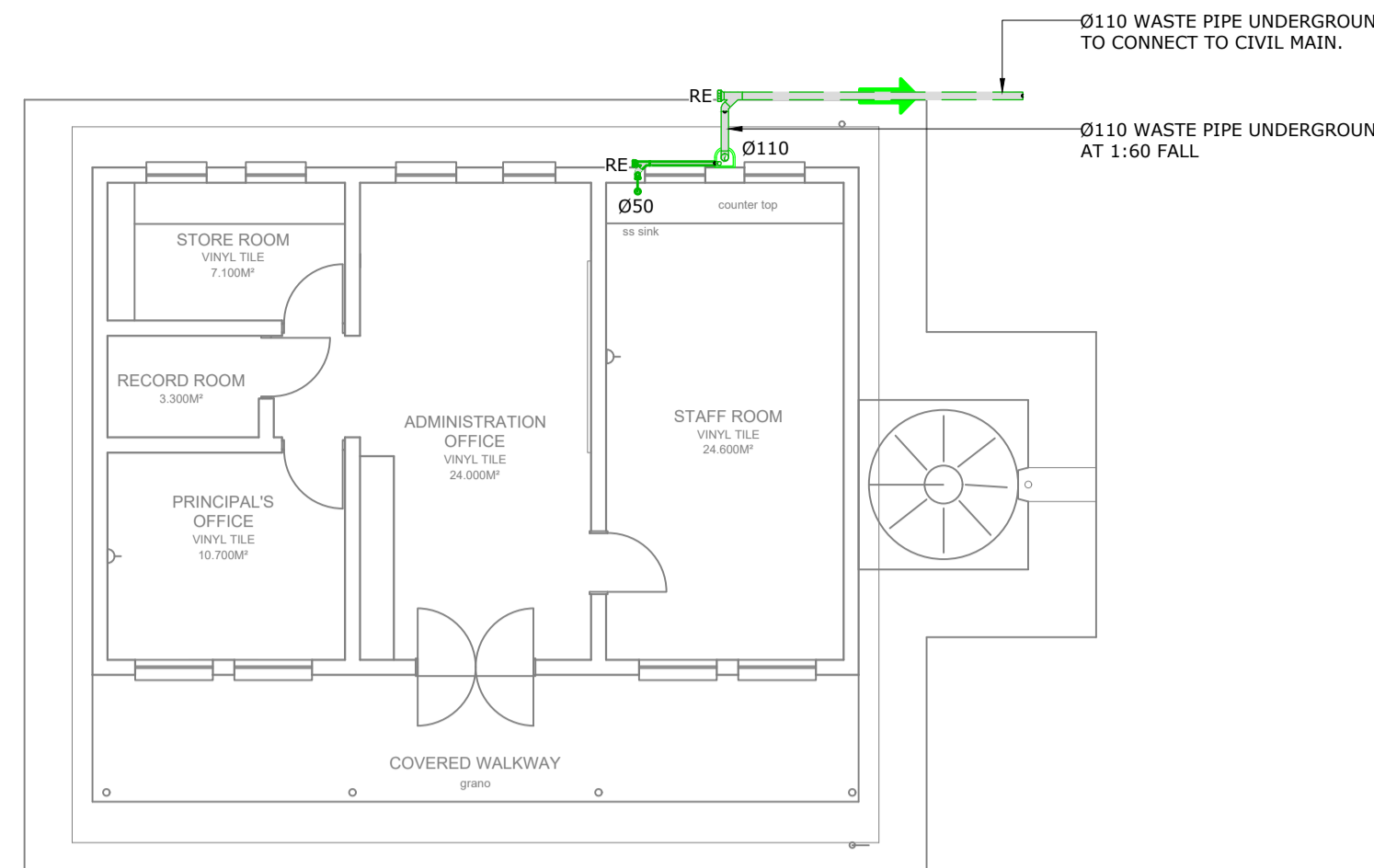
Consultant Approval:

Drawing Details:
**Existing Block B, O, W, E, D & Admin
Water Reticulation Layout**

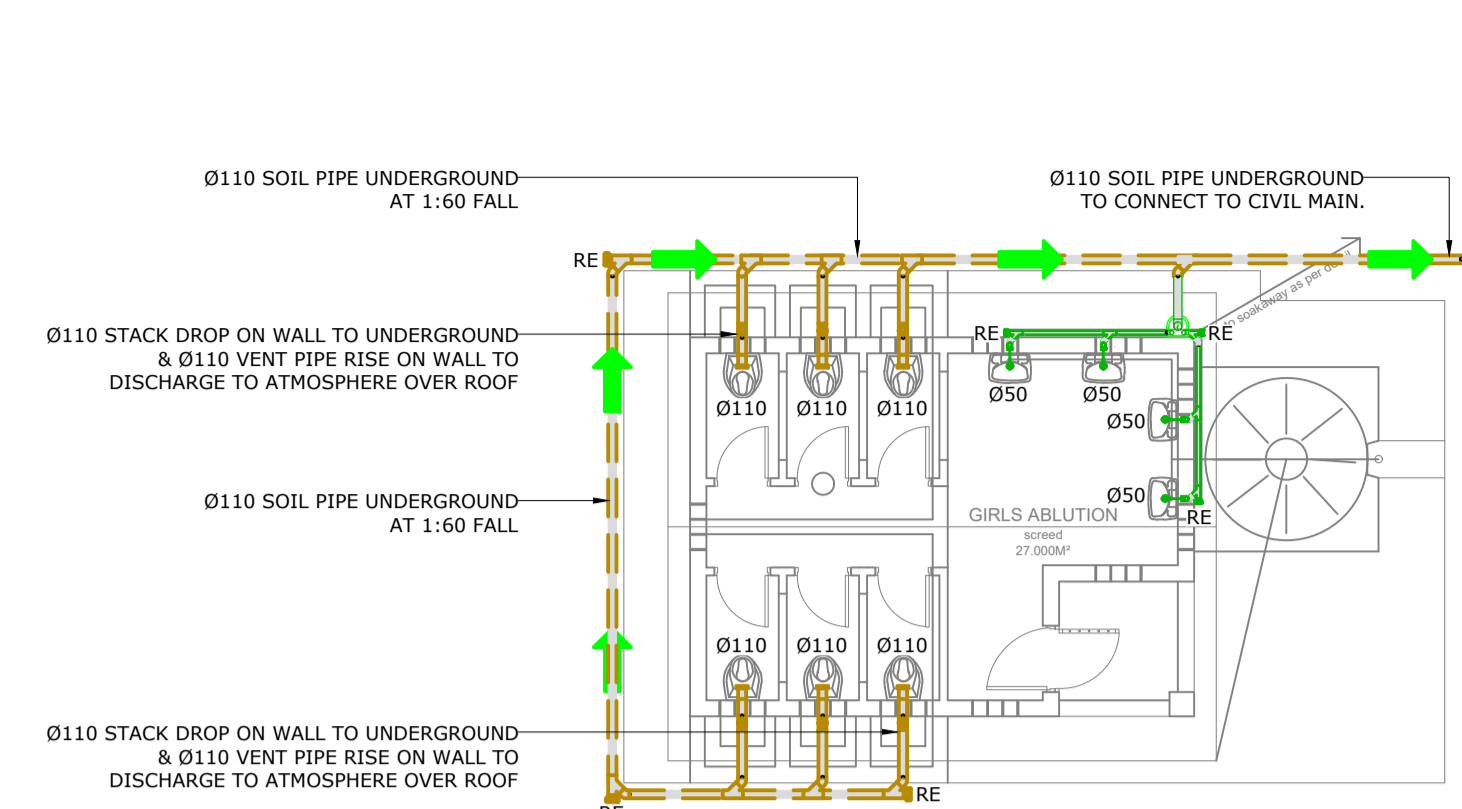
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Date: 2022/10/14	Drawn: M.R
Scale: 1:100	Checked: Z.D
Client:	Date:
COUNCIL APPROVAL SIGNOFF:	



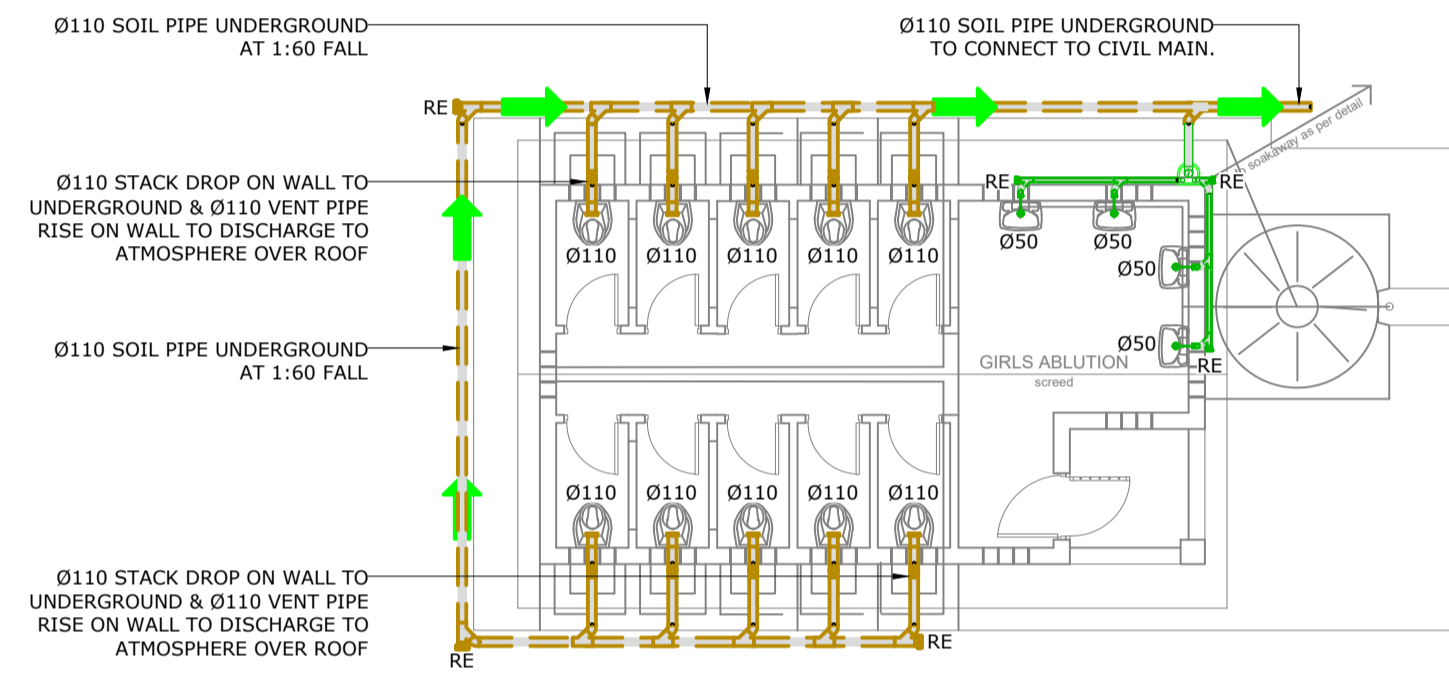
01 - Existing Block B - Typical Kitchen Plan:
Drainage Reticulation Layout
Scale 1:100



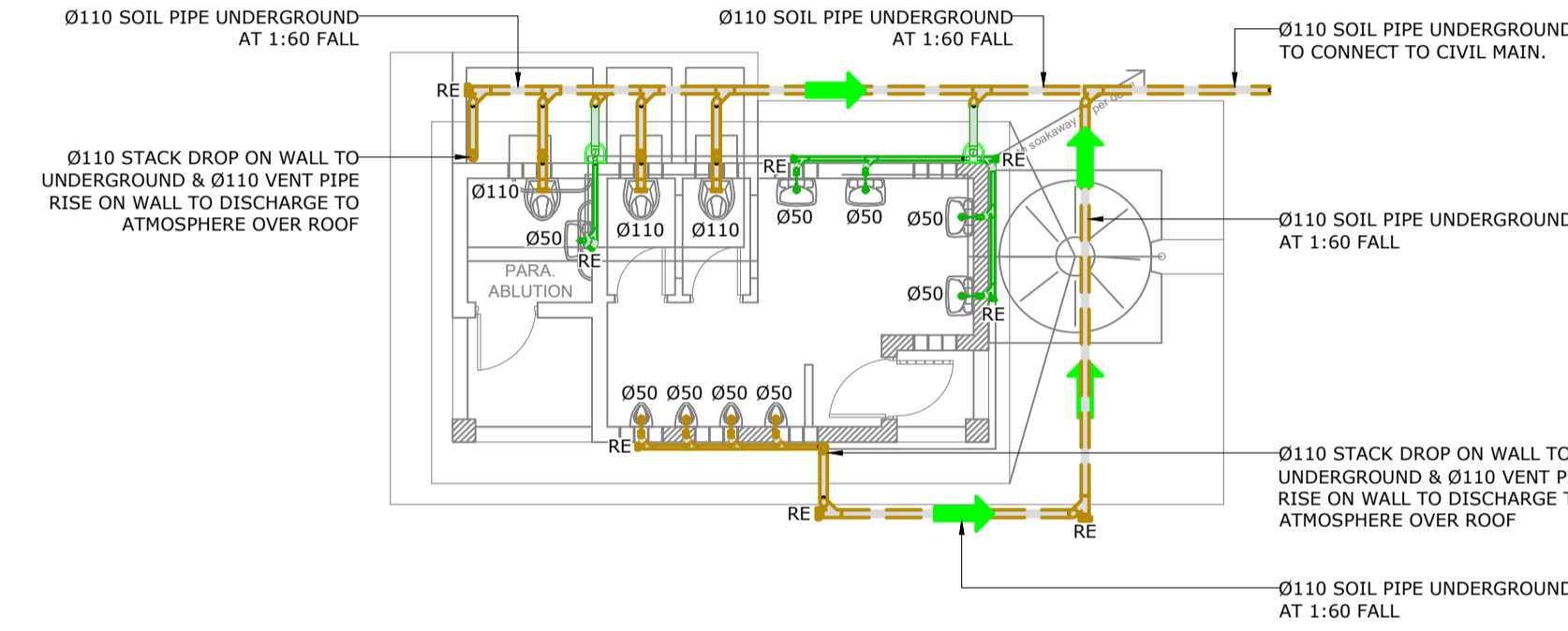
02 - Existing Block O - Typical Admin Plan:
Drainage Reticulation Layout
Scale 1:100



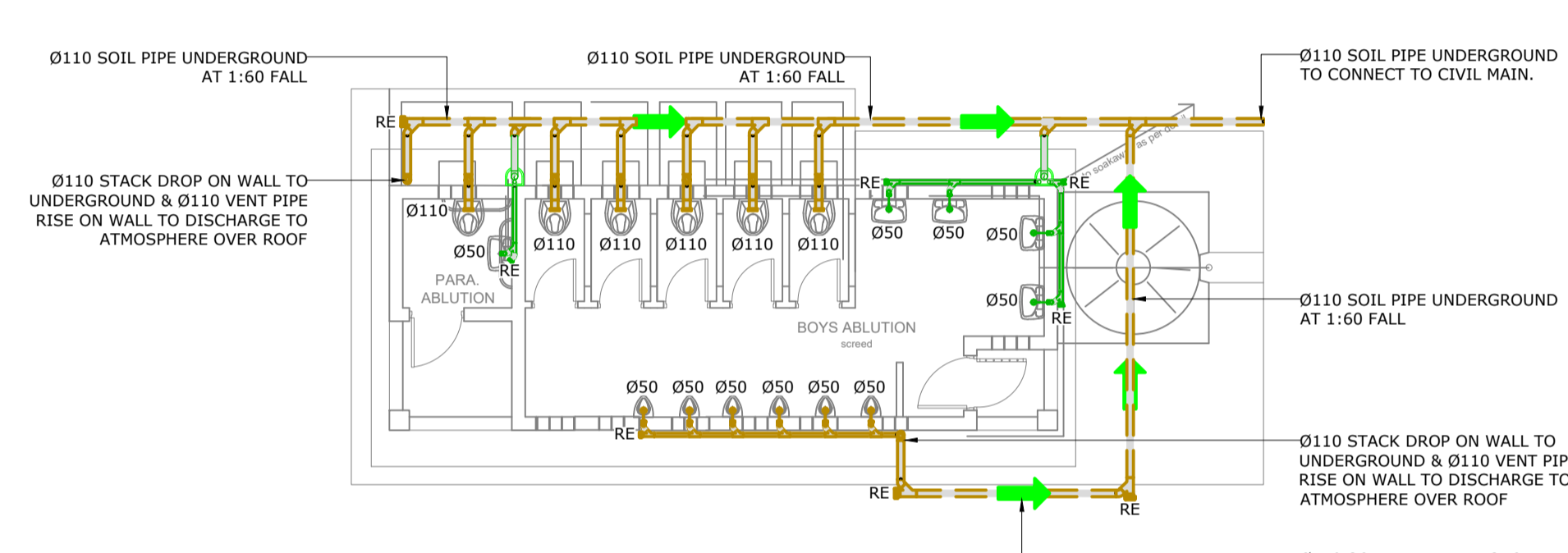
03 - Existing Block - Typical Girls Ablution Plan:
Drainage Reticulation Layout
Scale 1:100



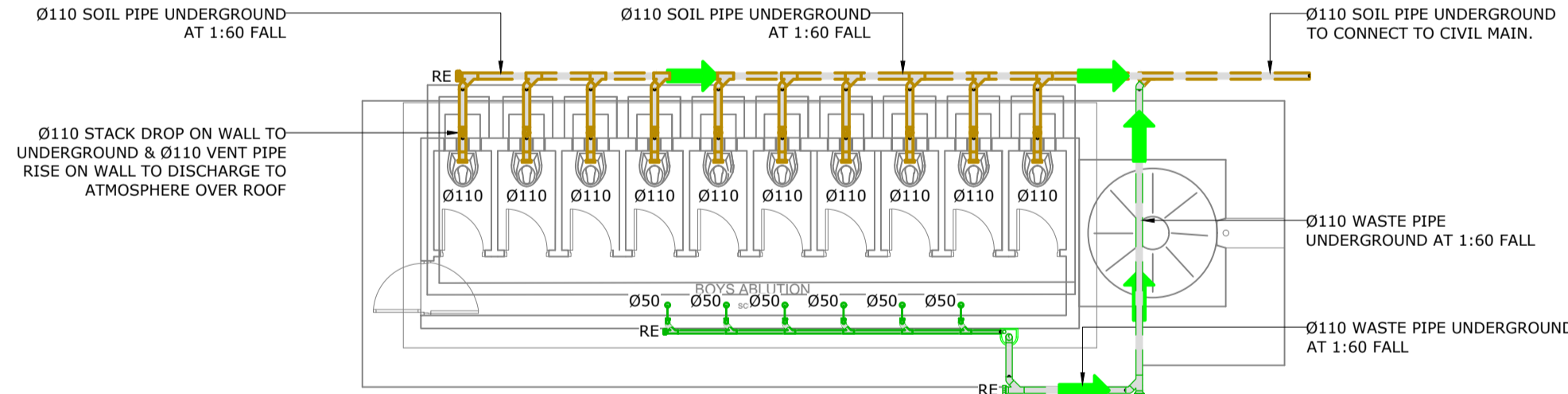
04 - Existing Block W - Typical Female Ablution Plan (10):
Drainage Reticulation Layout
Scale 1:100



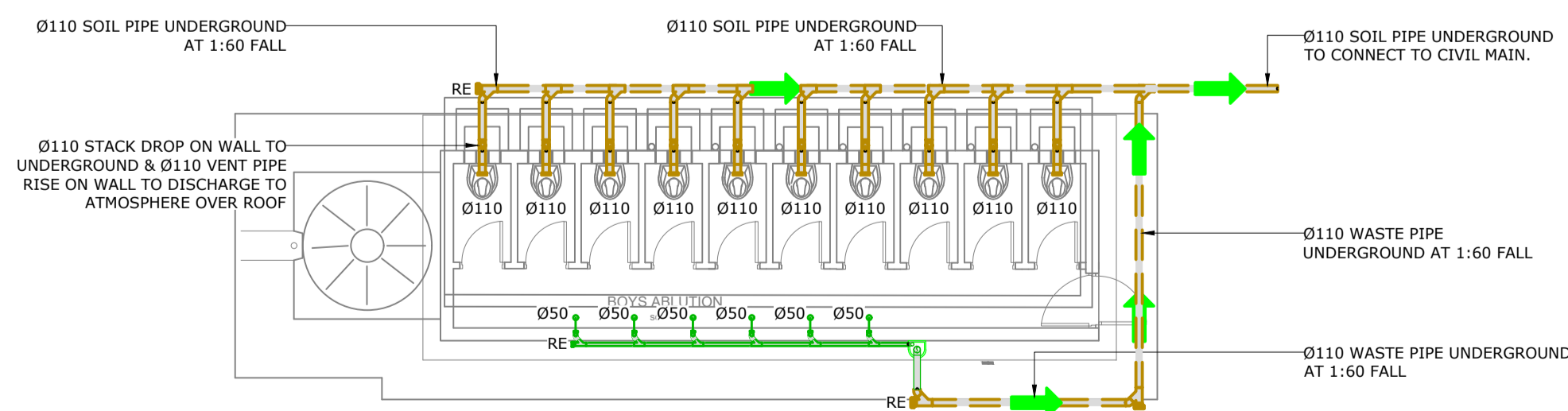
05 - Existing Block - Typical Ablution Plan:
Drainage Reticulation Layout
Scale 1:100



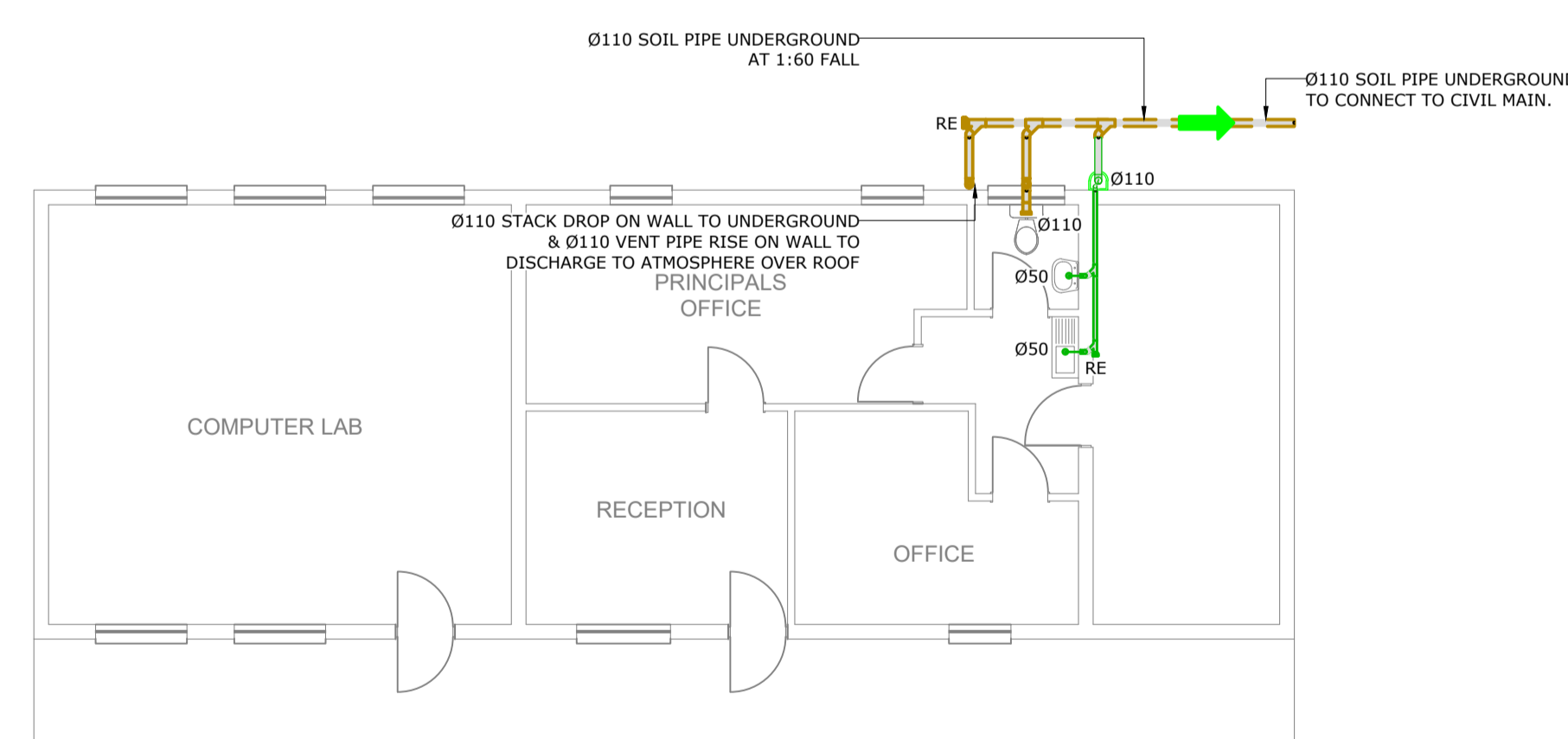
06 - Existing Block - Typical Boys Ablution Plan:
Drainage Reticulation Layout
Scale 1:100



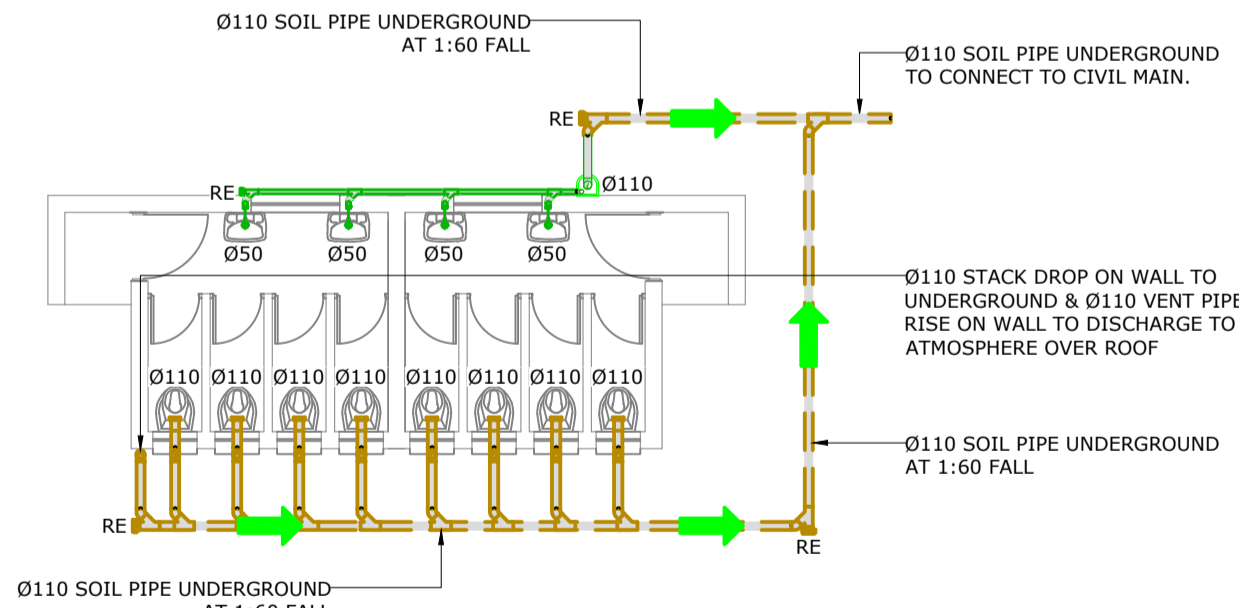
07 - Existing Block E Typical Female Ablutions (10 Cubicle) Plan:
Drainage Reticulation Layout
Scale 1:100



08 - Existing Block D Typical Male Ablutions (10 Cubicle) Plan:
Drainage Reticulation Layout
Scale 1:100



09 - Existing Admin Block: Drainage Reticulation Layout
Scale 1:100



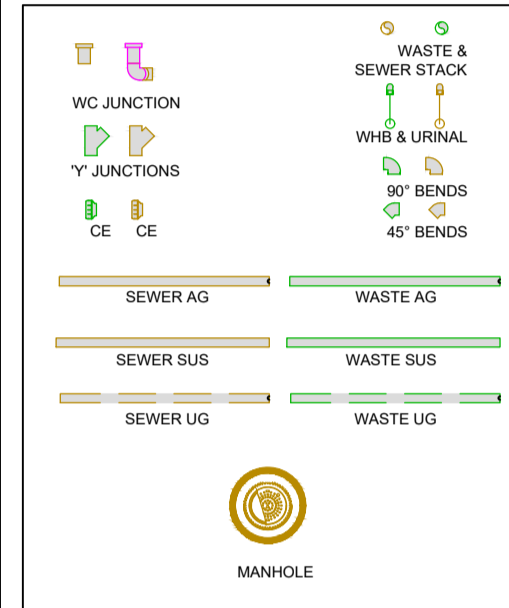
10 - Existing Admin, O/Male & Female:
Drainage Reticulation Layout
Scale 1:150

PLUMBER TO NOTE:
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6. The master held at Givpro bears the original signature of approval.

Revisions:		Revisions		Drawn
No.	Date			
A	2022/10/14	Issued For Information		M.R

Reference Drawings:	
Dwg No.	Description
1120-19-MBA-GA-2014	Existing Admin, O/Male & Female & Block W
1120-19-MBA-GA-2003	Existing Block B Typical Kitchen Plan
1120-19-MBA-GA-2004	Existing Block O Typical Male Ablution (10)
1120-19-MBA-GA-2005	Existing Block E Typical Female Ablution (10)
1120-19-MBA-GA-2014	Existing Block O Typical Admin
1120-19-MBA-GA-2022	Existing Block W Typical Female Ablution (10)



Project Name:
DBSA Schools - Mbasela Primary School

Project Description:
KZN D.O.E Infrastructure Development & Maintenance Programme

Project Service:
Mechanical: Wet Services

Client:



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Consultants:



Drawing Issued:
For Information

Consultant Approval:

Drawing Details:
Existing Block B, O, W, E, D & Admin
Drainage Reticulation Layout


Drawing Number: 2259-WETS-LYT-08-02-RA			
Date: 2022/10/14	Paper Size: A1	Drawn: M.R	Checked: Z.D
Scale: 1:100	Date:		
COUNCIL APPROVAL SIGNOFF:			




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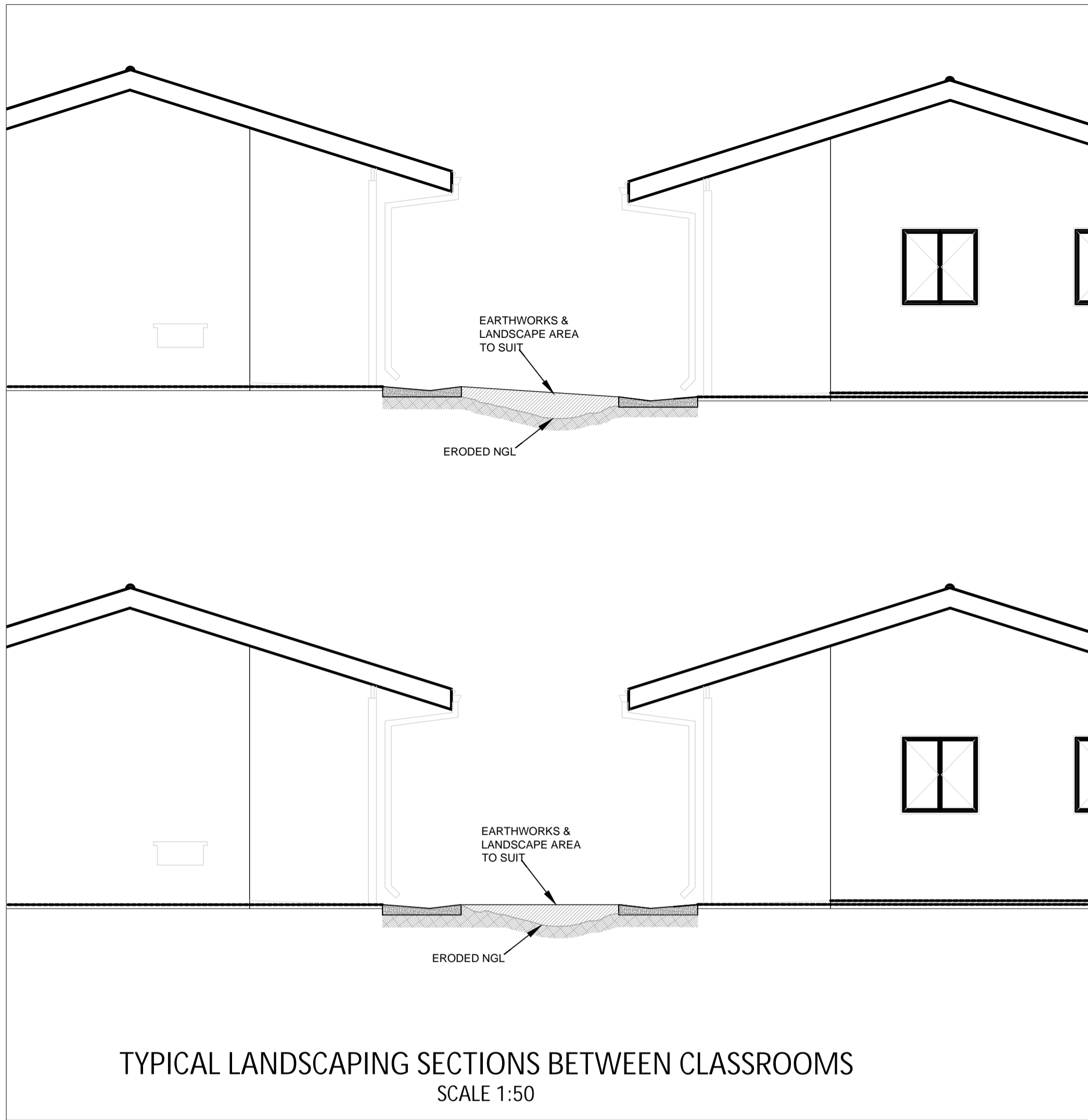
	NAME	SIGNATURE	ECSA REG. No.	DATE
DESIGNED BY:	R.V.			20-09-2022
REVIEWED BY:	N.Z.			21-09-2022
APPROVED BY:	N.Z.			22-09-2022

CLIENT:

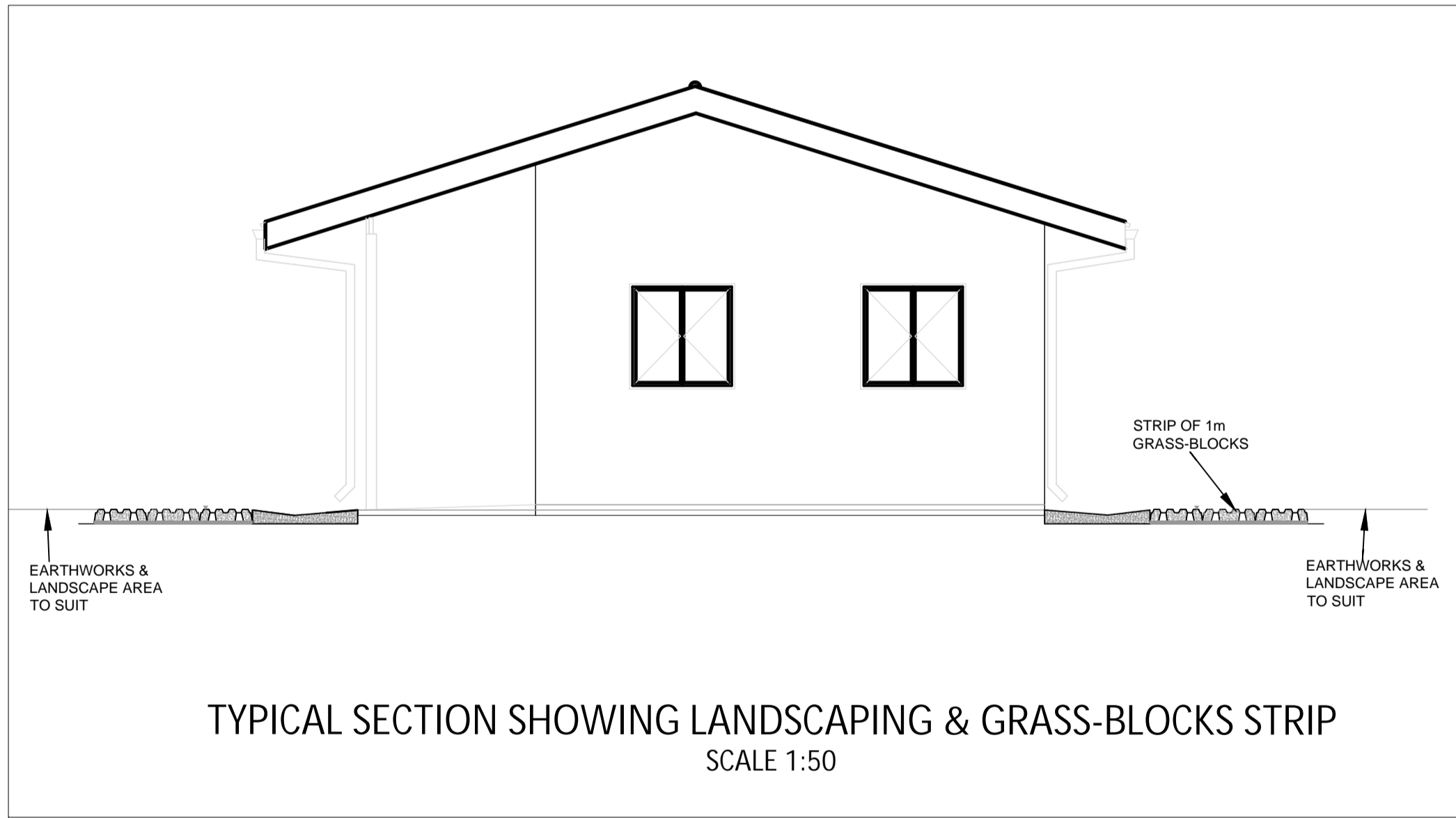
 **education** _____
Department:
Education
PROVINCE OF KWAZULU-NATAL



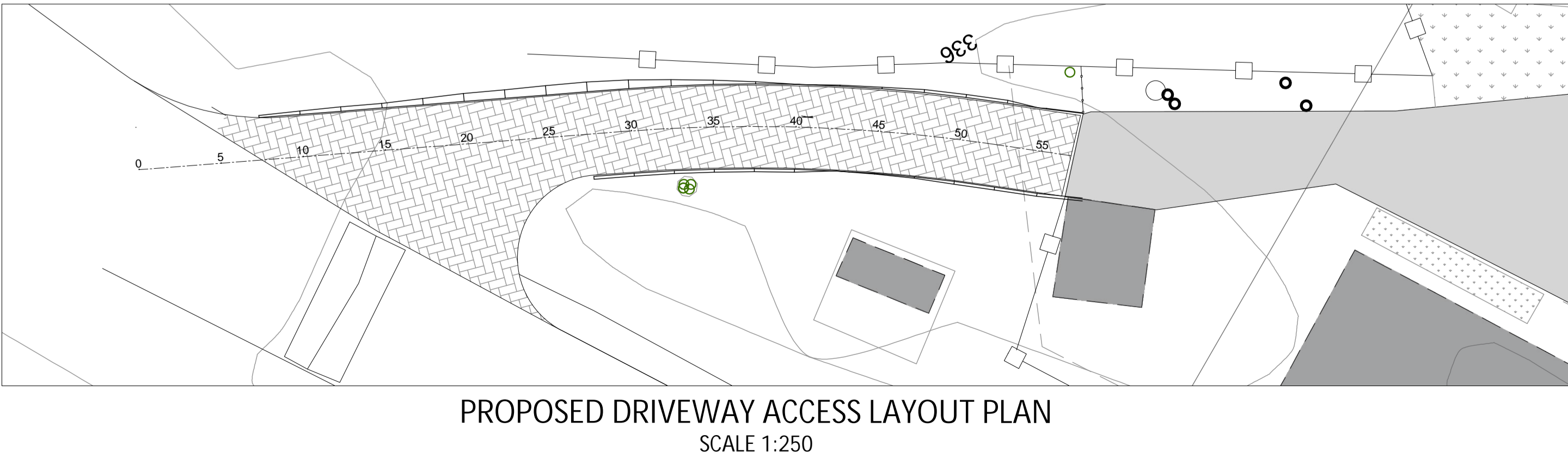
PROJECT: KZN DOE INFRASTRUCTURE DEVELOPMENT- MAINTENANCE AND MAINTENANCE PROGRAMM			
TITLE: MBASELA PRIMARY SCHOOL CIVIL SERVICES LAYOUT PLAN			
SCALE AT A1: AS SHOWN	DATE: 20/09/22	DRAWN: RV	CHECKED: NZ
PROJECT NO: D19001	DRAWING NO: 300-MBA-01		REVISION: A



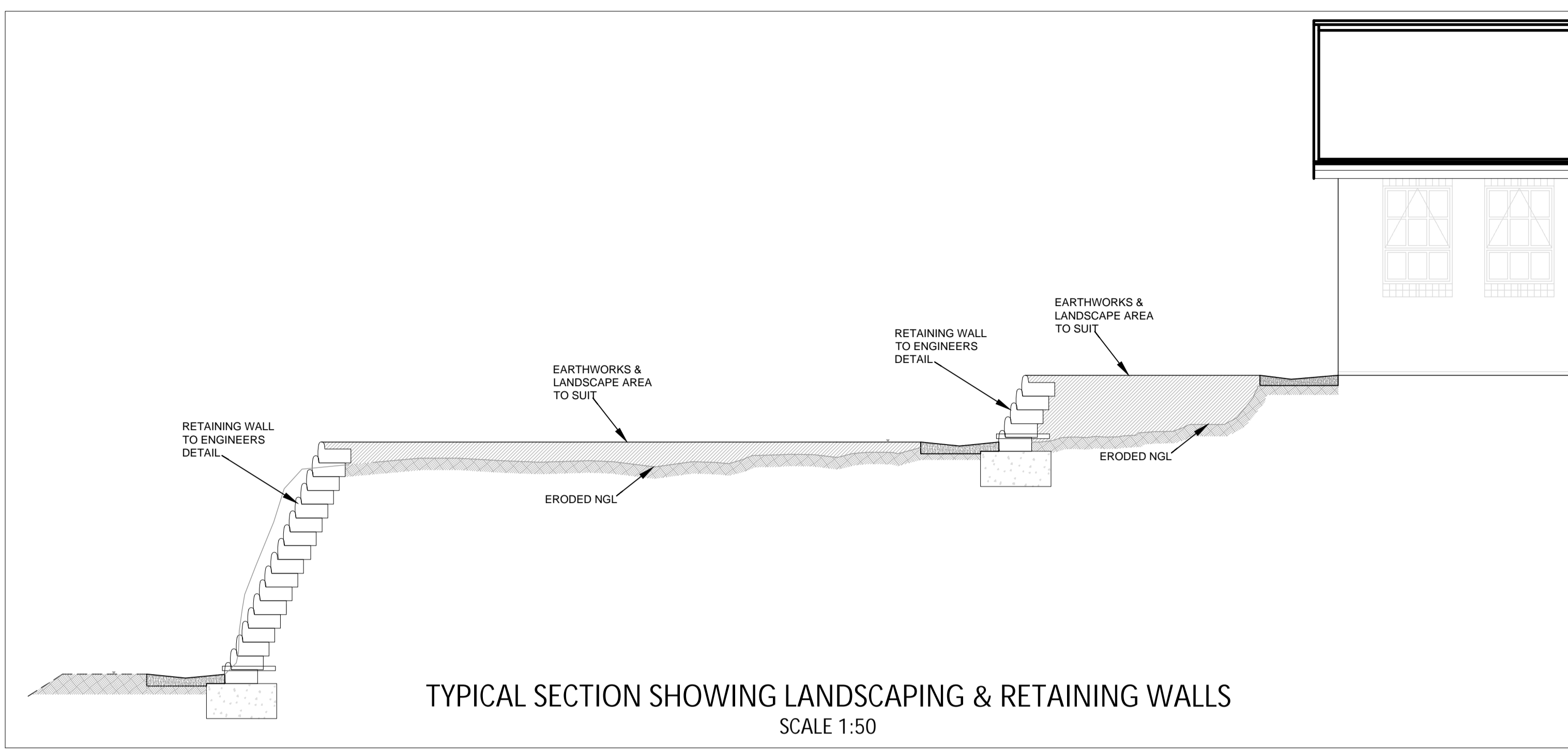
TYPICAL LANDSCAPING SECTIONS BETWEEN CLASSROOMS
SCALE 1:50



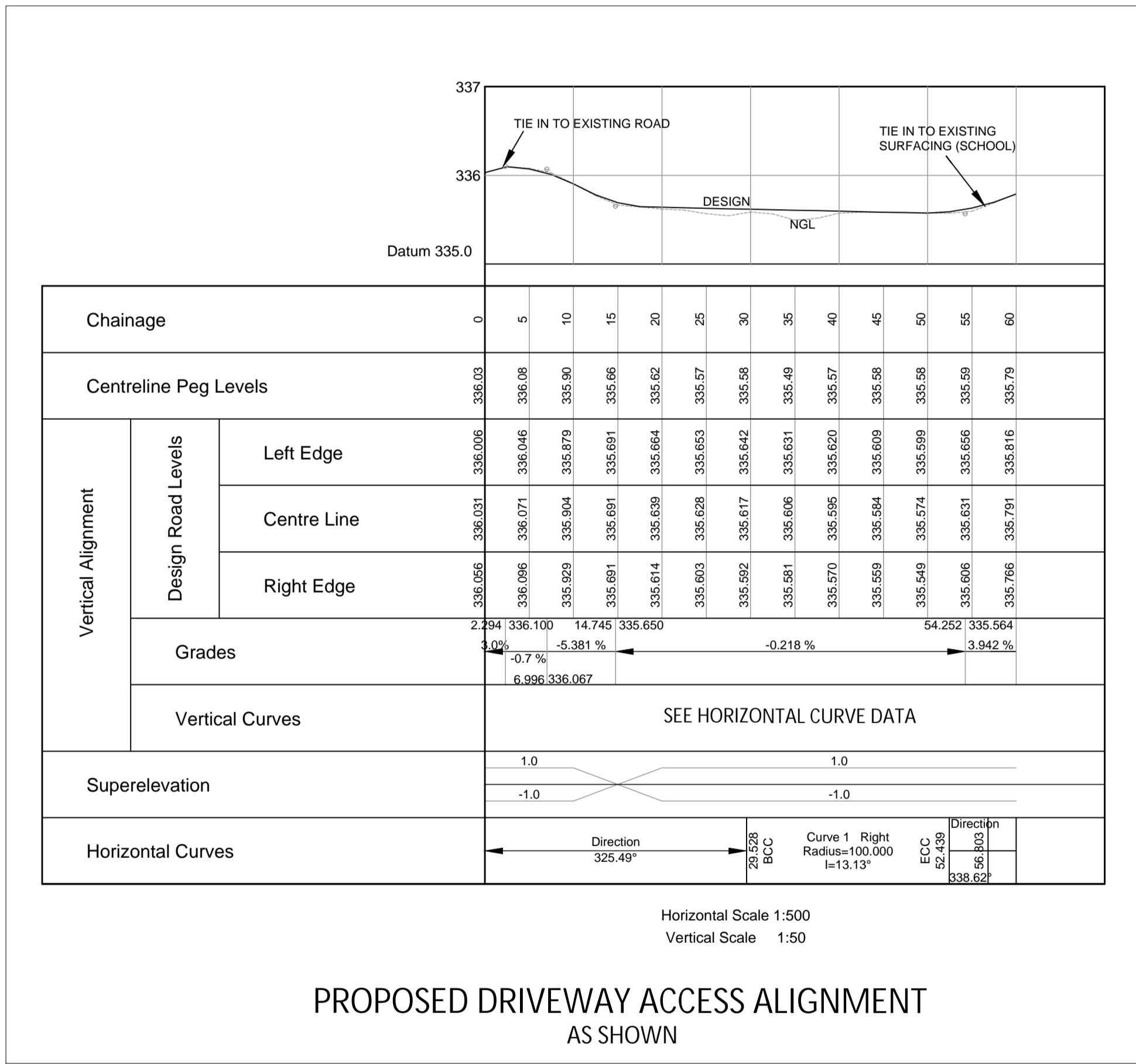
TYPICAL SECTION SHOWING LANDSCAPING & GRASS-BLOCKS STRIP
SCALE 1:50



PROPOSED DRIVEWAY ACCESS LAYOUT PLAN
SCALE 1:250



TYPICAL SECTION SHOWING LANDSCAPING & RETAINING WALLS
SCALE 1:50



PROPOSED DRIVEWAY ACCESS ALIGNMENT
AS SHOWN

Horizontal Curve Data			
=====			
Start	0.000	8078.314	3290538.058
Elements of curve No. 1 (PI1)			
=====			
	In	Out	Radius 100.000
Back straight	325.29.18	Transitions	0.000 0.000
Front straight	338.36.56	Tangents	11.506 11.506
Intersect angle	13.07.37	Trans. Shift	0.000 0.000
Curve direction	RIGHT	Arc length	22.911
Chainage			
=====			
PI1	8055.066	3290571.870	
CC1	8143.986	3290619.046	
BC1	29.528	8061.585	3290562.389
EC1	52.439	8050.871	3290582.584
End			
8049.279 3290586.647			

Vertical Curve Data			
=====			
Start	0.000	336.031	
Elements of curve no. 1 (Parabola)			
=====			
Back Grade	3.0078466	Length In	0.000
Front Grade	-0.7018290	Length Out	0.000
K Value	0.0000000		
Chainage Elevation			
=====			
VP11	2.294	336.100	Curve Length 0.000
BVC1	2.294	336.100	
EVC1	2.294	336.100	

Elements of curve no. 2 (Parabola)			
=====			
Back Grade	-0.7018290	Length In	3.750
Front Grade	-5.3813395	Length Out	3.750
K Value	1.6027317		

Chainage Elevation			
=====			
VP12	6.996	336.067	Curve Length 7.500
BVC2	3.246	336.093	
EVC2	10.746	335.865	

Elements of curve no. 3 (Parabola)			
=====			
Back Grade	-5.3813395	Length In	3.750
Front Grade	-0.2176829	Length Out	3.750
K Value	1.4524591		

Chainage Elevation			
=====			
VP13	14.745	335.650	Curve Length 7.500
BVC3	10.995	335.852	
EVC3	18.495	335.642	

Elements of curve no. 4 (Parabola)			
=====			
Back Grade	-0.2176829	Length In	5.000
Front Grade	3.9416745	Length Out	5.000
K Value	2.4042175		

Chainage Elevation			
=====			
VP14	54.252	335.564	Curve Length 10.000
BVC4	49.252	335.575	
SAG4	49.775	335.574	
EVC4	59.252	335.761	
End	75.512	336.402	

Edge Control Data							
=====							
Chainage	% Left	% Right	Round	W. Left	W. Right	Temp.	
=====							
0.000	-1.000	1.000	0.000	2.500	2.500	1	
Constant	-10.000	-1.000	1.000	0.000	2.500	2.500	1
Varies	20.000	1.000	-1.000	0.000	2.500	2.500	1
Constant	75.512	1.000	-1.000	0.000	2.500	2.500	1

REFERENCE DRAWINGS	
-CIVIL SERVICES LAYOUT PLAN	-300-MBA-01

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

- NOTES
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 4. ALL LEVELS ARE ABOVE MEAN SEA LEVEL (AMSL).
 5. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ARCHITECT'S DRAWING AND ALL DIMENSIONS VERIFIED.
 6. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS AND THE REGULATIONS AS SET OUT BY THE NHBC.
 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 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).

LEGEND

- NGL/ERODED NGL
- EARTHWORKS \ LANDSCAPE
- PROPOSED DRIVEWAY ACCESS

STATUS: FOR APPROVAL

	NAME	SIGNATURE	ECSA REG. No.	DATE
DESIGNED BY:	R.V.			20-09-2022
REVIEWED BY:	N.Z.			21-09-2022
APPROVED BY:	N.Z.			22-09-2022

Civpro Engineering Joint Venture

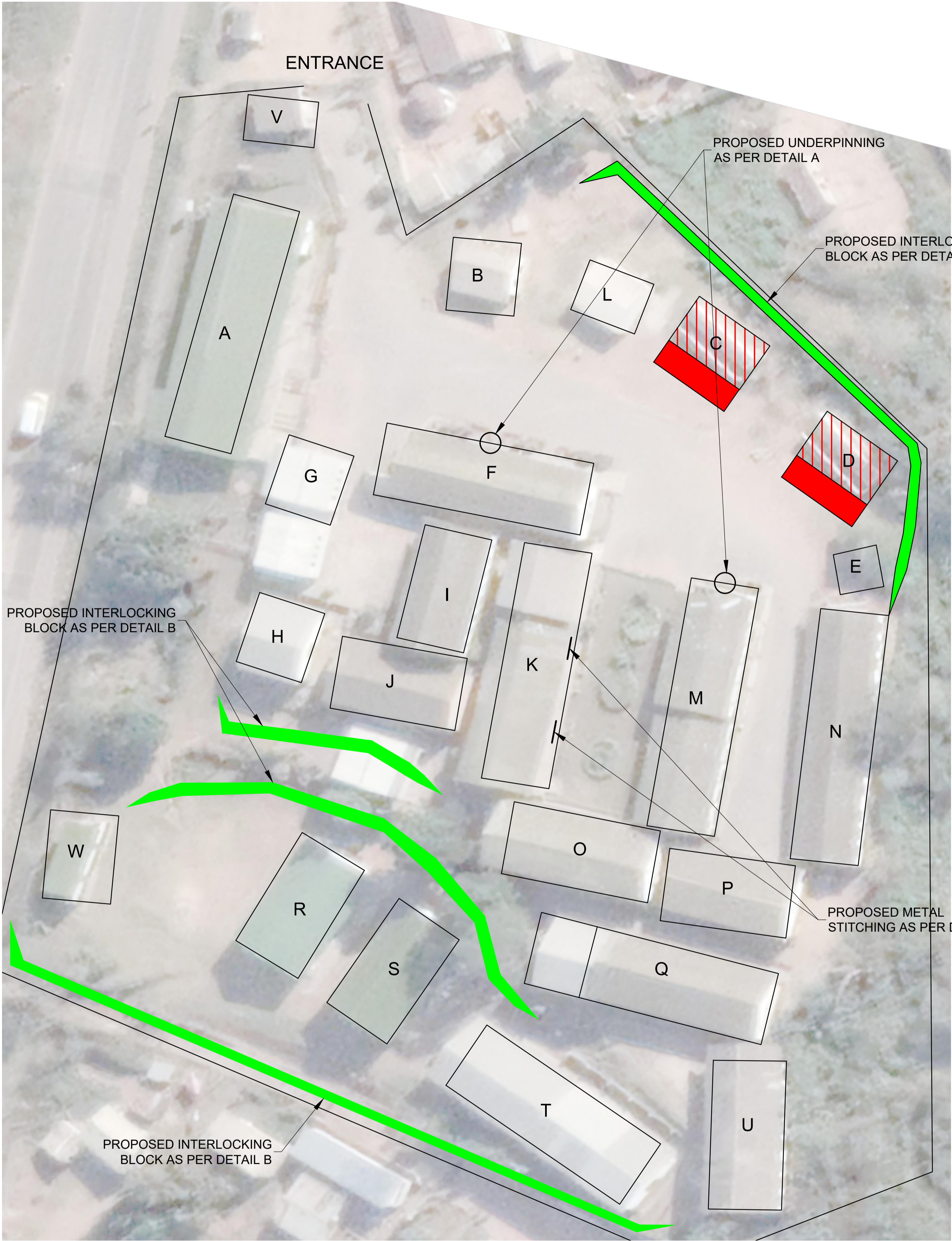
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CLIENT:

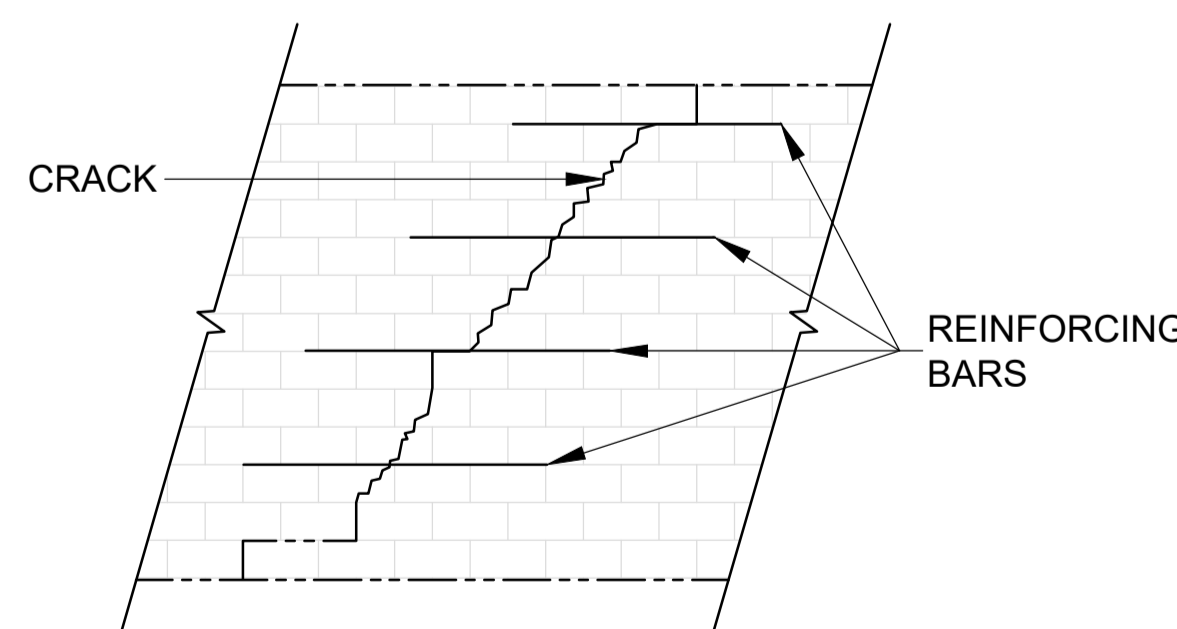
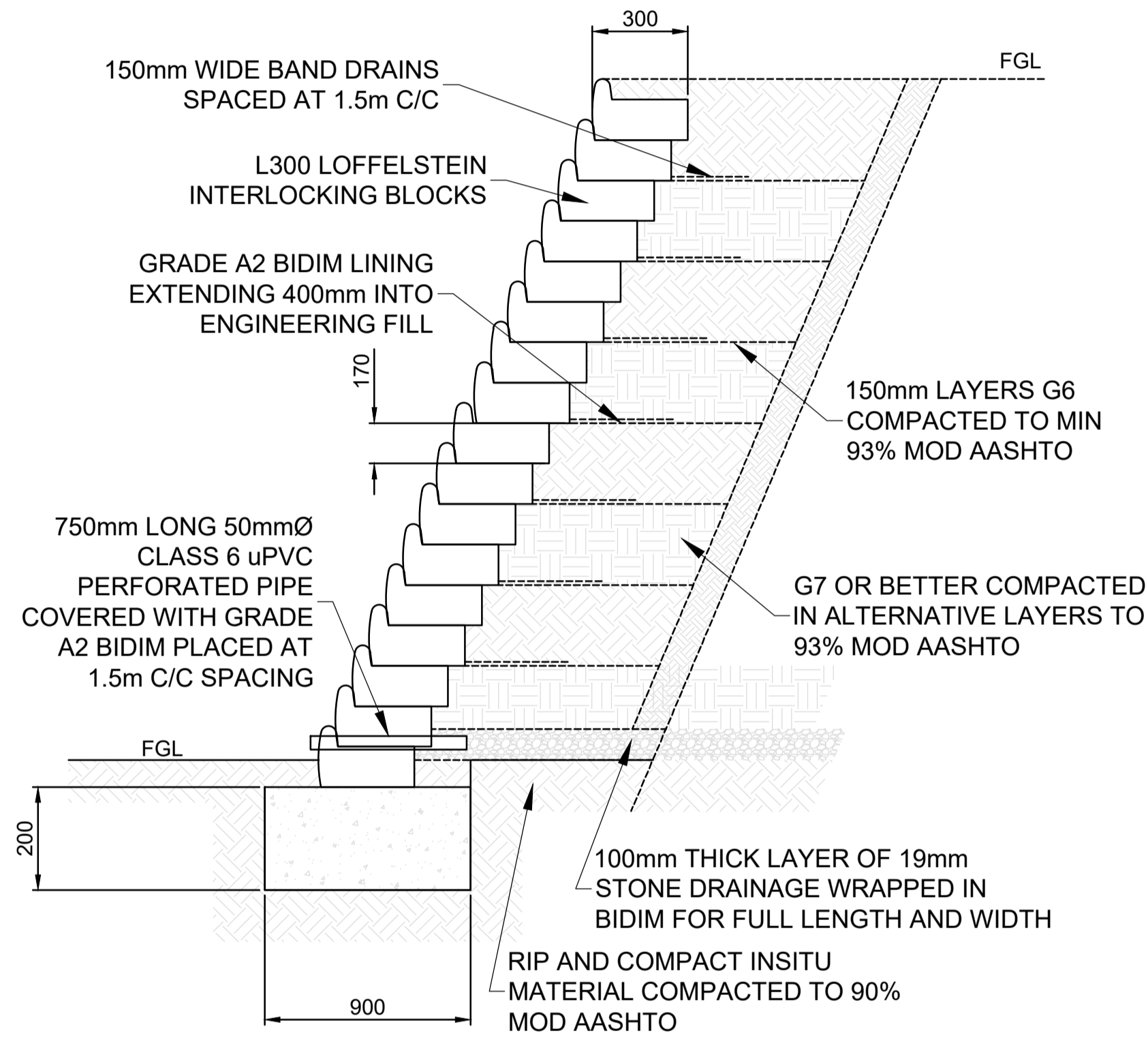
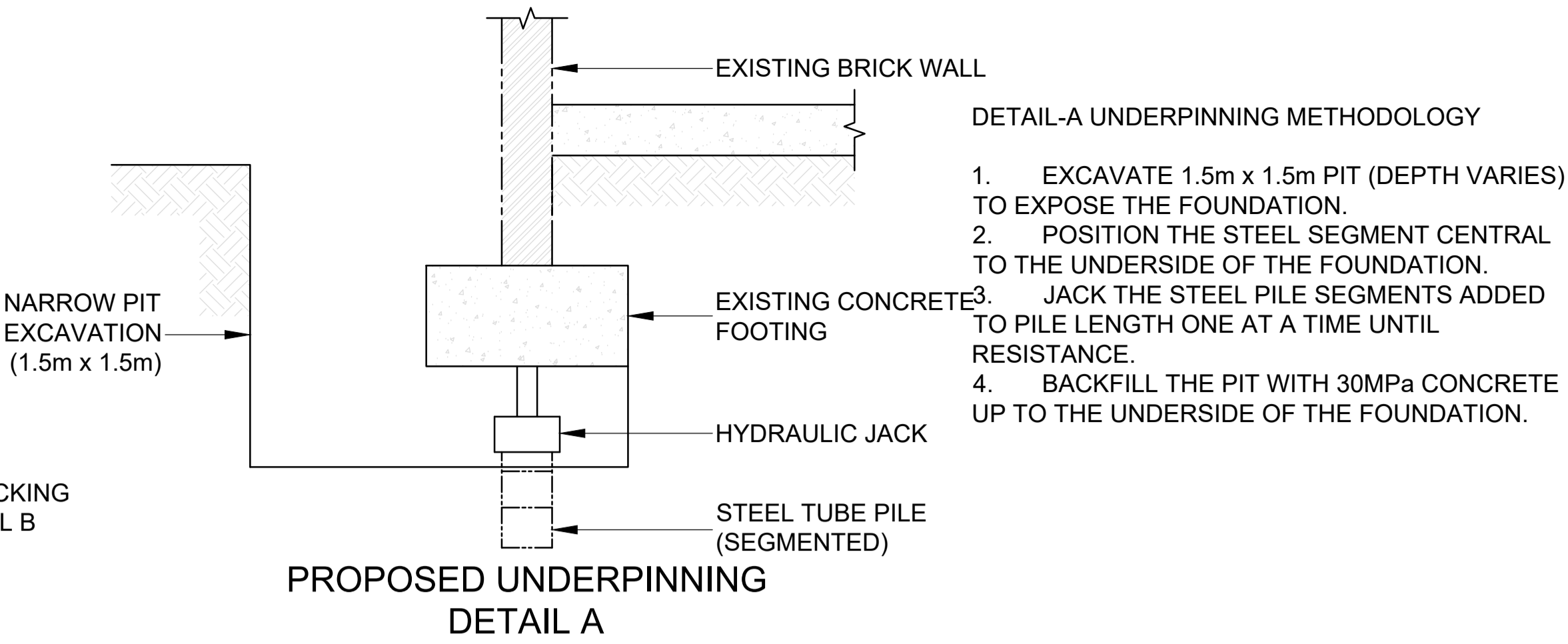
education
Department: Education
PROVINCE OF KWAZULU-NATAL

DBSA

PROJECT: KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME			
TITLE: MBASELA PRIMARY SCHOOL TYPICAL SECTIONS & ALIGNMENTS			
SCALE AT A1:	DATE:	DRAWN:	CHECKED:
AS SHOWN	20/09/22	RV	NZ
PROJECT NO:	DRAWING NO:	REVISION:	
D19001	300-MBA-02	A	



SITE LAYOUT PLAN
SCALE 1:500



PROPOSED METAL STITCHING
DETAIL C

- METAL STITCHING METHODOLOGY
- THE STRUCTURAL CRACKS ARE TO BE METAL STITCHED USING 1000MM LONG THORHELICAL OR SIMILAR APPROVED 9MM DIAMETER HELICAL BARS WHICH ARE TO BE INSTALLED AT EVERY 4TH COURSE FOR THE LENGTH OF THE CRACK BEING REPAIRED AS INDICATED THE DETAIL AND IN THE FOLLOWING STEPS:
- GRIND OUT MORTAR BED JOINT TO A DEPTH OF 40mm x 500mm LONG EITHER SIDE OF THE CRACK.
 - CLEAR DEBRIS FROM THE SLOT AND THOROUGHLY FLUSH OUT WITH WATER OR BLAST WITH COMPRESSED AIR.
 - APPLY A BED OF 30MPa GROUT TO THE BACK OF THE SLOT TO APPROXIMATELY 10mm FROM THE SURFACE.
 - PUSH THE THORHELICAL BAR BACK INTO THE GROUT FILLED SLOT, TROWEL BACK THE DISPLACED GROUT.
 - FINISH FACE BRICK GROUT JOINT INLINE WITH EXISTING.

- NOTES
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 - ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND THE CONSTRUCTION REGULATIONS.
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 - ALL QUANTITIES ARE TO BE MEASURED IN ACCORDANCE WITH SANS 1200.
 - ALL WET SERVICES ARE TO HAVE FLEXIBLE JOINTS AGAINST THE BUILDING.
 - STORMWATER IS TO BE ADEQUATELY ROUTED AWAY FROM THE STRUCTURE.
 - PONDING OF WATER DURING AND AFTER CONSTRUCTION IS NOT BE PERMITTED.

IF ANY INFORMATION IS
UNCLEAR ON THE DRAWINGS
CONTACT CIVPRO

STATUS: FOR APPROVAL

	NAME	SIGNATURE	ECSA REG. No.	DATE
DESIGNED BY:	T.N.			20/09/2022
REVIEWED BY:	M.W.			20/09/2022
APPROVED BY:	T.N.			20/09/2022

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education
Department:
Education
PROVINCE OF KWAZULU-NATAL

DBSA

PROJECT: REPLACEMENT OF ASBESTOS

TITLE: MBASELA PRIMARY SCHOOL
STRUCTURAL REPAIRS

SCALE AT A1: AS SHOWN DATE: 20/09/2022 DRAWN: KW CHECKED: NZ

PROJECT NO: D19001 DRAWING NO: 400-MBA-01 REVISION: 0.1

REFERENCE DRAWINGS	
-	-

REV	DESCRIPTION	DATE
0.1	DRAWING ISSUED FOR APPROVAL	20/09/2022