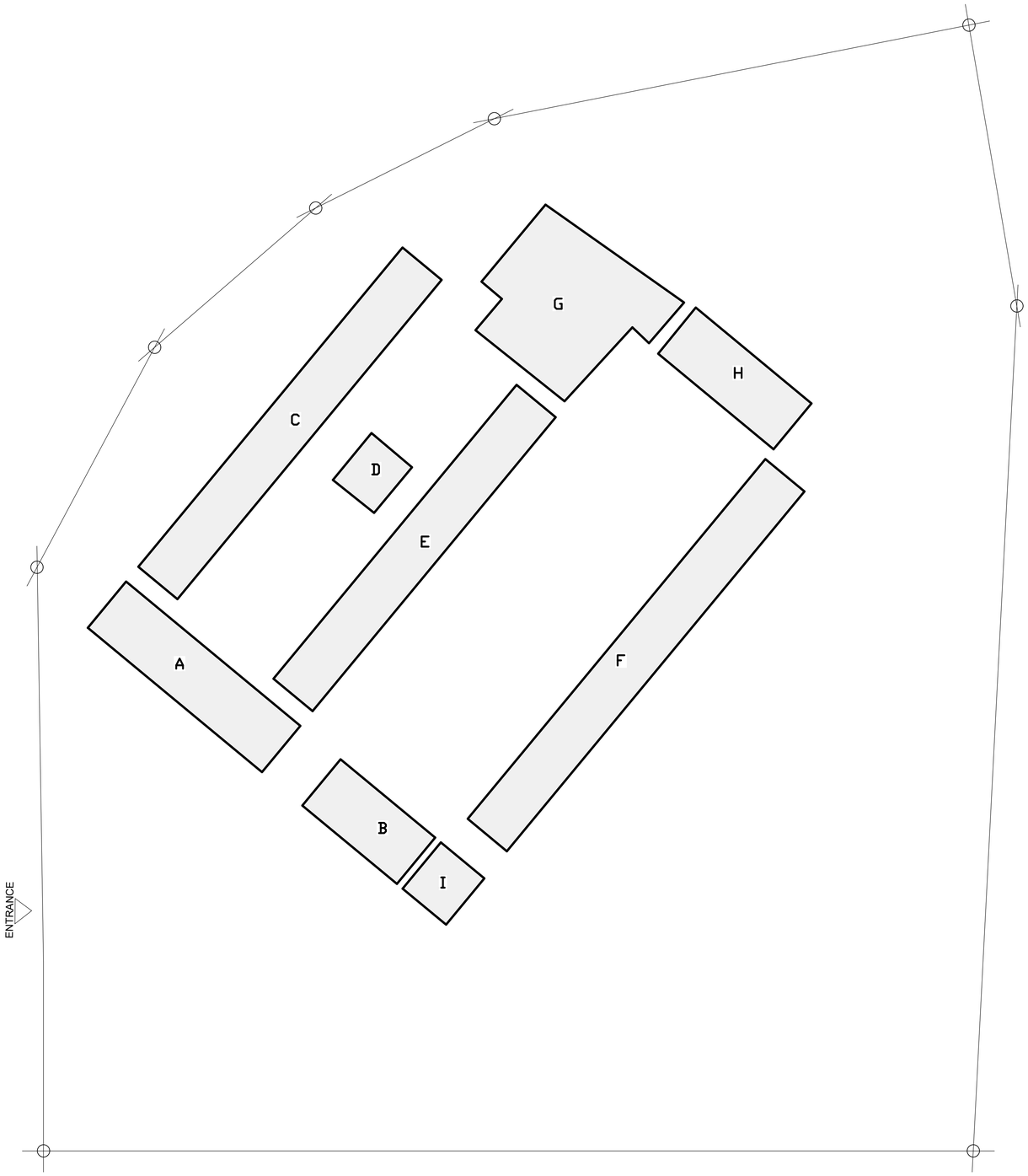
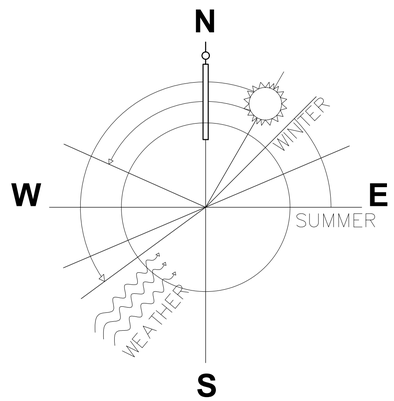


1 SITE PLAN
NTS

AERIAL VIEW

LEGEND:

A - ADMIN + 1 CLASSROOM BLOCK
B - HOD OFFICE + OFFICE
C - 8 CLASSROOM BLOCK (GRADE8 +12)
D - PARK HOME
E - 6 CLASSROOM BLOCK (GRADE 8+9)
+ ABLUTION (4 CUBICLE)
F - 10 CLASSROOM BLOCK (GRADE 10+11)
G - 2 CLASSROOM (GRADE 12)
H - 3 CLASSROOM BLOCK (GRADE10)
I - FEMALE ABLUTION (6 CUBICLE)
+ MALE ABLUTION BLOCK (4 CUBICLE)



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project managers
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phone : +27(31) 201 3933
fax : +27(31) 201 3930
e-mail : ravj@architronic.co.za
SACAP NO. : 6012

drawing title

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

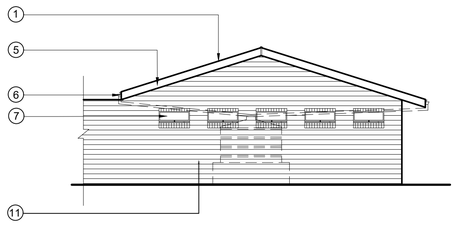
MZUVELE PRIMARY SCHOOL

SITE PLAN

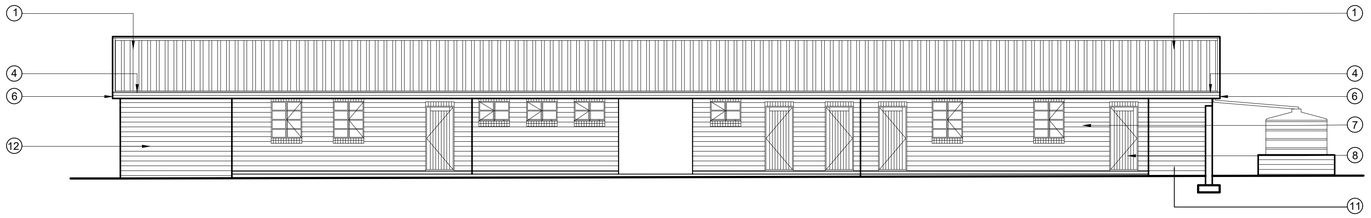
ref.no.	000000	designed	000000
scale	AS INDICATED	drawn	KB
date	MAY 2019	checked	VG

drawing number REV

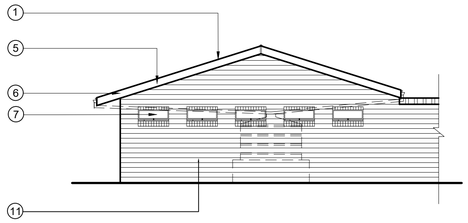
1120.19-MZU-GA-2001



4 NORTH WEST ELEVATION
SCALE 1:100



5 NORTH EAST ELEVATION
SCALE 1:100



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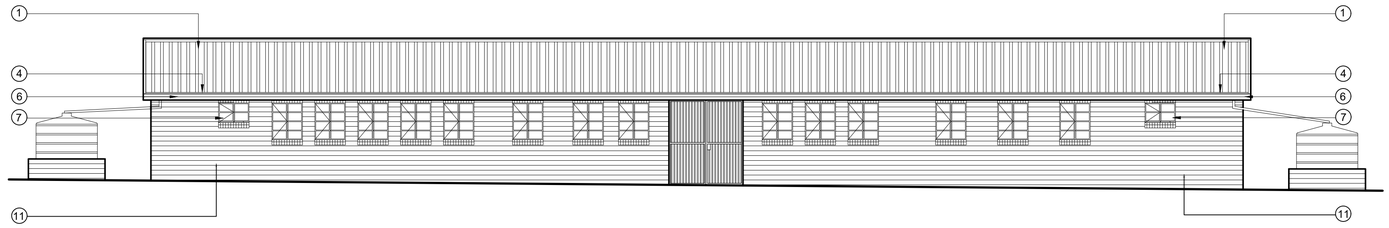
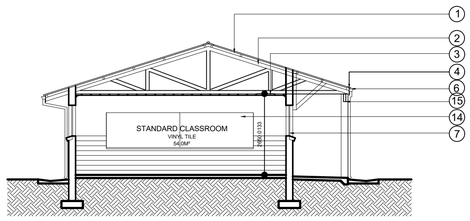
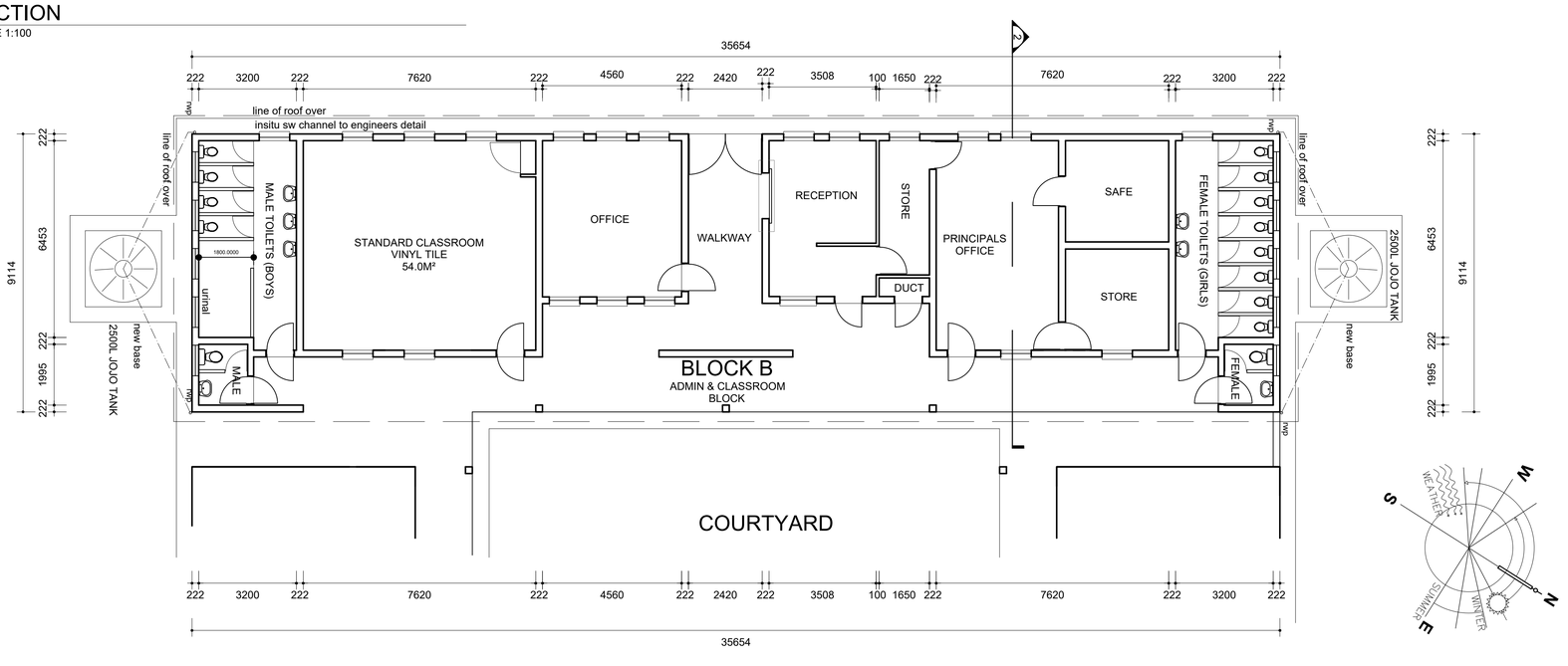
SCALE 1:100



6 SOUTH WEST ELEVATION
SCALE 1:100



2 SECTION
SCALE 1:100



1 GROUND FLOOR PLAN
SCALE 1:100

LEGEND

1. Existing asbestos roof sheeting to be removed and replaced with new 0.50mm - 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.
2. Existing timber rafters to be removed and new trusses to be provided to engineers details.
3. New rhinoboard ceiling to be provided including supports, brandering and cornices
4. Existing fascias to be removed and replaced with new fibre cement fascia.
5. New nutek fibre cement barge boards to be provided at gable ends.
6. Replace gutters and downpipes with new aluminium gutters and downpipes
7. Refurbish windows and provide new glazing to windows as shown with all mechanisms as supplied by specialist supplier.
8. Remove doors and provide new external solid timber doors with ironmongery by specialist supplier.
9. Internal walls to be re-plastered and primed and painted. Facebrick at dado level to acid cleaned with high pressure washer.
10. Rain water harvesting tank on concrete plinth to engineer's detail and specifications
11. All external walls with facebrick finish to be acid cleaned with high pressure washer.
12. All external walls with plaster and paint finish to be prepared for 1 coat primer and 2 coats finishing coat.
13. New columns to engineers details and design.
14. Existing chalkboard and pin boards to be removed and new provided.
15. New timber beam over columns to walkways - to engineers details

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SACAP NO. : 6012

drawing title

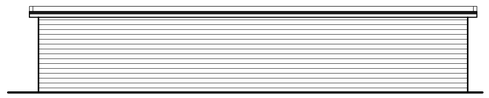
KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME

MZUVELE HIGH SCHOOL

EXISTING BLOCK A
PLAN, SECTION, ELEVATION

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

1120.19-MZU-GA-2003



2 SOUTH WEST ELEVATION
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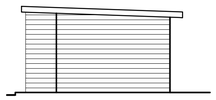

2 NORTH EAST ELEVATION
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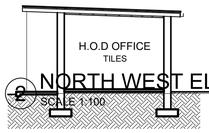


2 NORTH WEST ELEVATION
SCALE 1:100

2 SOUTH EAST ELEVATION
SCALE 1:100

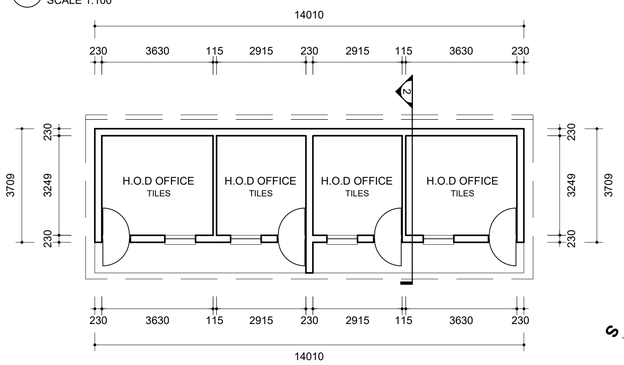
LEGEND

1. Existing asbestos roof sheeting to be removed and replaced with new 0.50mm - 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.
2. Existing timber rafters to be removed and new trusses to be provided to engineers details.
3. New rhinoboard ceiling to be provided including supports, brandering and cornices
4. Existing fascias to be removed and replaced with new fibre cement fascia.
5. New nutek fibre cement barge boards to be provided at gable ends.
6. Replace gutters and downpipes with new aluminium gutters and downpipes
7. Refurbish windows and provide new glazing to windows as shown with all mechanisms as supplied by specialist supplier.
8. Remove doors and provide new external solid timber doors with ironmongery by specialist supplier.
9. Internal walls to be re-plastered and primed and painted. Facebrick at dado level to acid cleaned with high pressure washer.
10. Rain water harvesting tank on concrete plinth to engineer's detail and specifications
11. All external walls with facebrick finish to be acid cleaned with high pressure washer.
12. All external walls with plaster and paint finish to be prepared for 1 coat primer and 2 coats finishing coat.
13. New columns to engineers details and design.
14. Existing chalkboard and pin boards to be removed and new provided.
15. New timber beam over columns to walkways - to engineers details

2 NORTH WEST ELEVATION
SCALE 1:100

2 SOUTH EAST ELEVATION
SCALE 1:100

2 SECTION
SCALE 1:100



1 FLOOR PLAN
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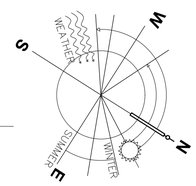

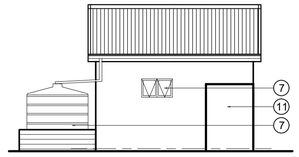

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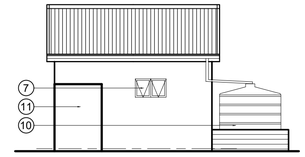
SCALE 1:100



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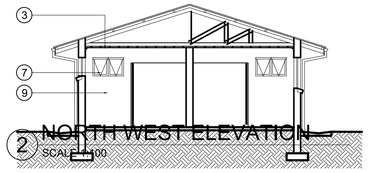

2 NORTH WEST ELEVATION
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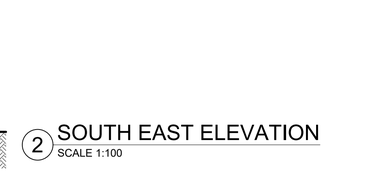
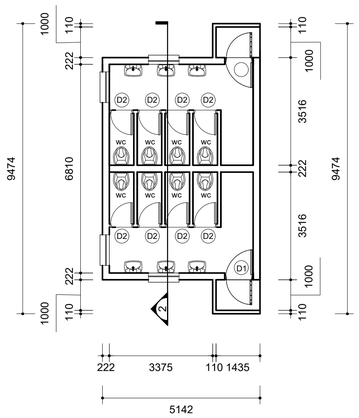
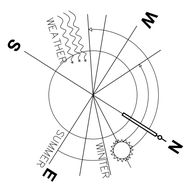


2 SOUTH EAST ELEVATION
SCALE 1:100

2 SECTION
SCALE 1:100



1 FLOOR PLAN
SCALE 1:100



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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

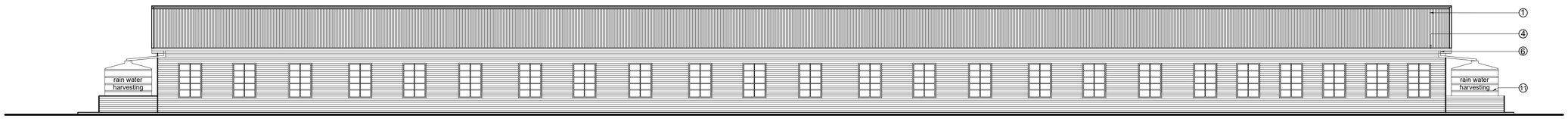
MZUVELE HIGH SCHOOL

EXISTING BLOCK B AND I
PLAN, SECTION, ELEVATION

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

drawing number REV

1120.19-MZU-GA-2002



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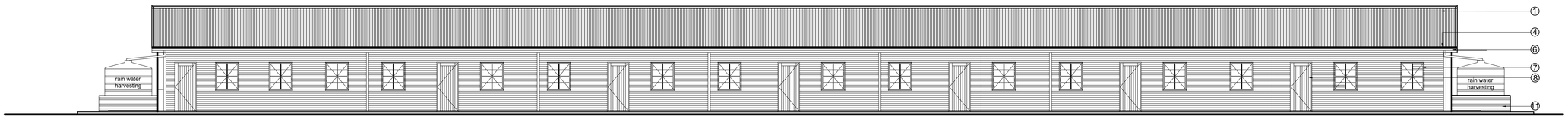
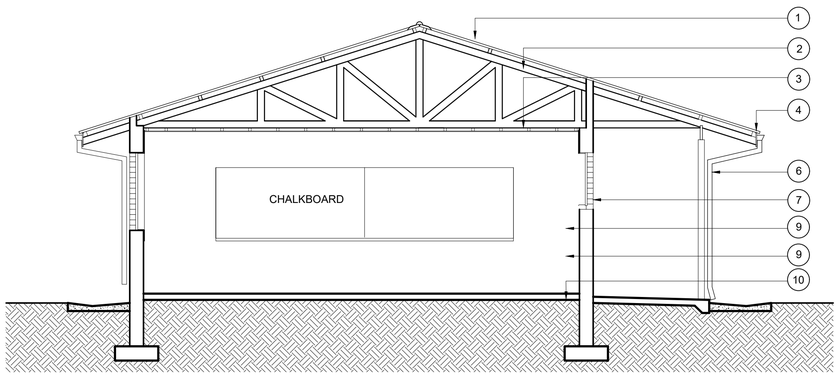
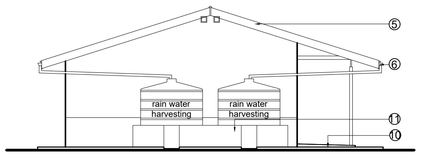


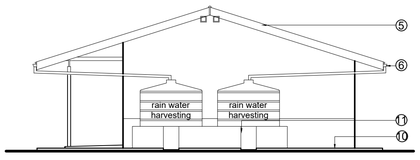
3 FRONT ELEVATION
SCALE 1:100



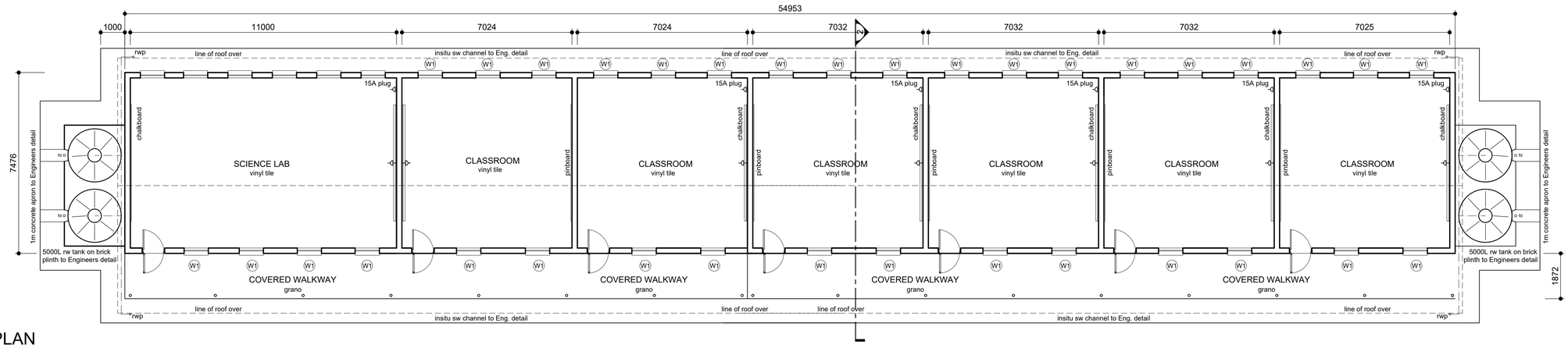
2 SECTION
SCALE 1:50



5 SIDE ELEVATION
SCALE 1:100



6 SIDE ELEVATION
SCALE 1:100



1 PLAN
SCALE 1:100

LEGEND

1. Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting on timber purlins to engineers details.
2. 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.
3. Existing ceiling to be removed and replaced with Rhinoboard ceilings including brandering and cornices
4. Existing fascias to be removed and replaced with new fibre cement fascias.
5. New nutek fibre cement barge boards to be provided at gable ends
6. Replace damaged gutters and downpipes with new aluminium gutters and downpipes
7. Rub, prime and paint all steel windows allow for replacement of window panes(40%)
8. Remove doors and provide new external solid timber door with new galvanized security gates with ironmongery by specialist supplier.
9. Internal walls to be re-plastered and primed and painted.Facebrick at dado level to be acid cleaned with high pressure washer.
10. Remove existing floor finish, inspect floor and allow 15 % screed to floor area ,and install new floor finish.
11. Rain water harvesting tank on concrete plinth to engineer's detail and specifications
12. Dilapidated sanitary-ware to be replaced with new fittings to match existing
13. All external walls with facebrick finish to be acid cleaned with high pressure washer.
14. GMS support posts with beam over to support roof above to Engineers detail.

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SACAP NO. : 6012

drawing title

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

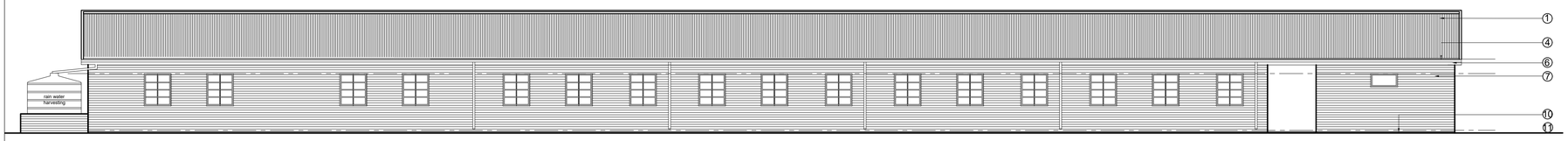
MZUVELE HIGH SCHOOL

BLOCK C
TYPICAL 8 CLASSROOM BLOCK
PLAN,SECTION,ELEVATION

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

drawing number REV

1120.19-MZU-GA-2004



4 REAR ELEVATION
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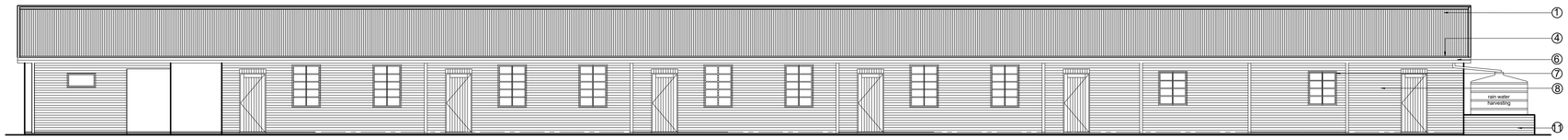

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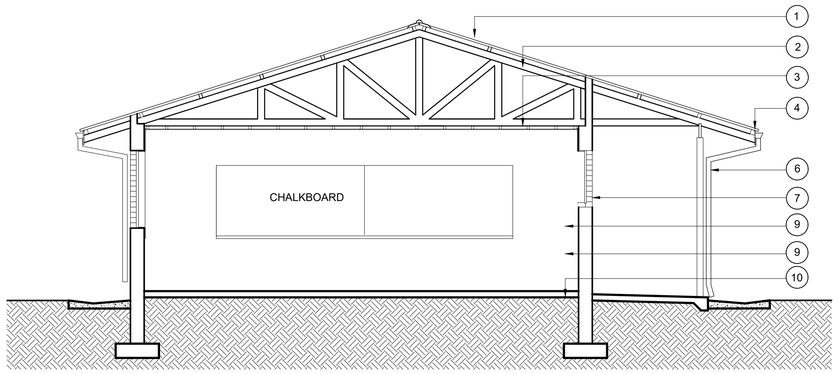

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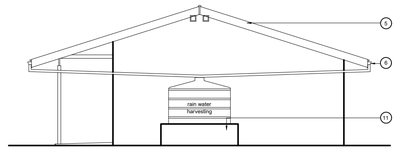
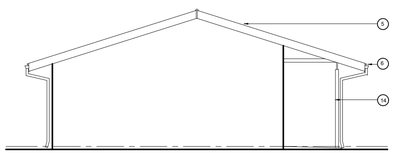
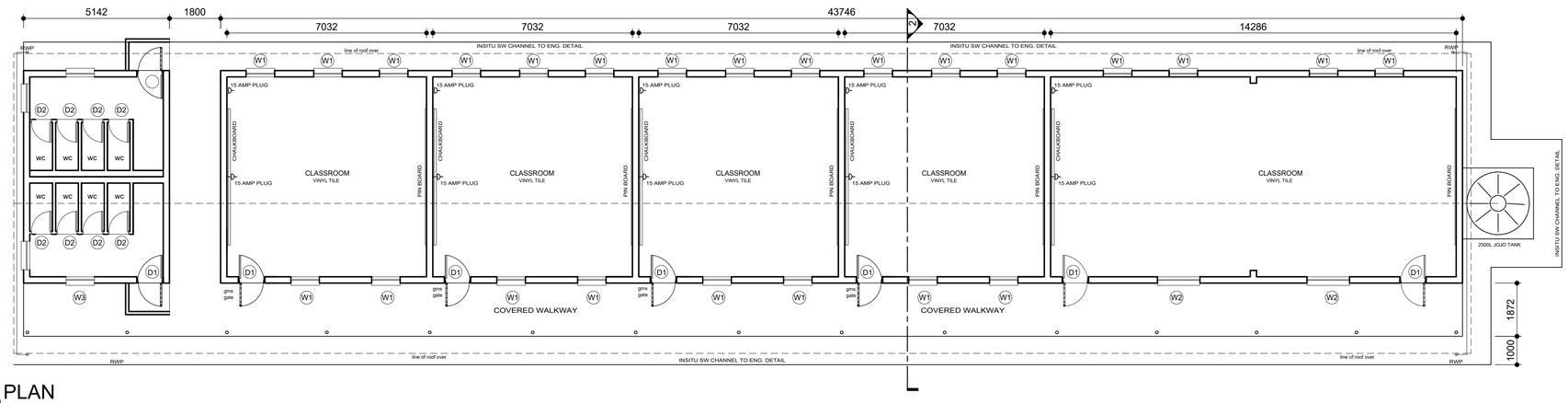
SCALE 1:50



5 SIDE ELEVATION
SCALE 1:100



6 SIDE ELEVATION
SCALE 1:100



1 PLAN
SCALE 1:100

LEGEND

1. Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting on timber purlins to engineers details.
2. 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.
3. Existing ceiling to be removed and replaced with Rhinoboard ceilings including brandering and cornices
4. Existing fascias to be removed and replaced with new fibre cement fascias.
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10. Remove existing floor finish, inspect floor and allow 15 % screed to floor area ,and install new floor finish.
11. Rain water harvesting tank on concrete plinth to engineer's detail and specifications
12. Dilapidated sanitary-ware to be replaced with new fittings to match existing
13. All external walls with facebrick finish to be acid cleaned with high pressure washer.
14. GMS support posts with beam over to support roof above to Engineers detail.

No.	DATE	AMENDMENT	D.P.W.

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e-mail : ravij@architronic.co.za

SACAP NO. : 6012

drawing title

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

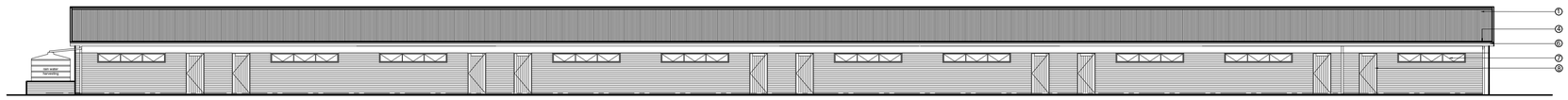
MZUVELE HIGH SCHOOL

BLOCK E
TYPICAL 6 CLASSROOM BLOCK
PLAN,SECTION,ELEVATION

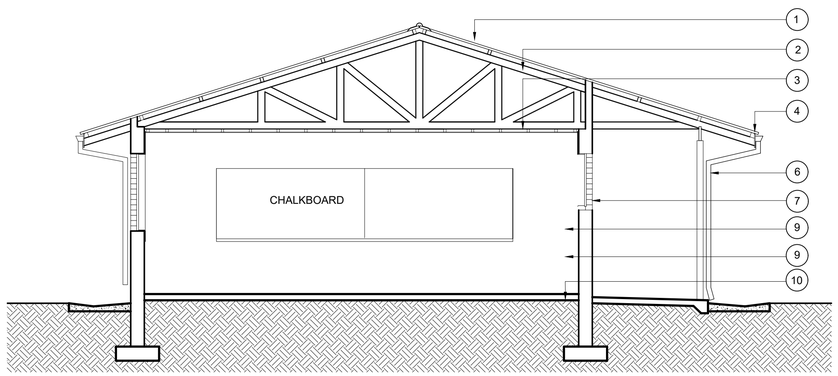
ref.no.	000000	designed	000000
scale	AS INDICATED	drawn	KB
date	MAY 2019	checked	LC
drawing number			REV

1120.19-MZU-GA-2005

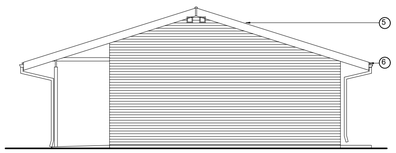
4 REAR ELEVATION
SCALE 1:150



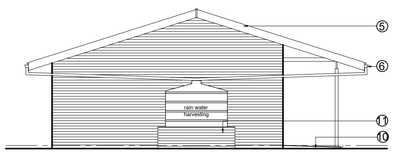
3 FRONT ELEVATION
SCALE 1:150



2 SECTION
SCALE 1:50



5 SIDE ELEVATION
SCALE 1:100



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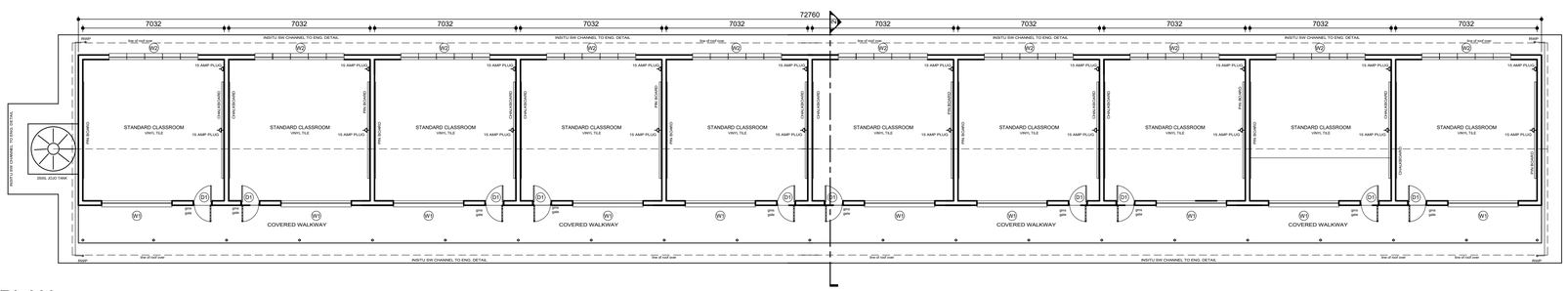
SCALE 1:100



1 PLAN
SCALE 1:150

LEGEND

1. Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting on timber purlins to engineers details.
2. 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.
3. Existing ceiling to be removed and replaced with Rhinoboard ceilings including brandering and cornices
4. Existing fascias to be removed and replaced with new fibre cement fascias.
5. New nutek fibre cement barge boards to be provided at gable ends
6. Replace damaged gutters and downpipes with new aluminium gutters and downpipes
7. Rub, prime and paint all steel windows allow for replacement of window panes(40%)
8. Remove doors and provide new external solid timber door with new galvanized security gates with ironmongery by specialist supplier.
9. Internal walls to be re-plastered and primed and painted.Facebrick at dado level to be acid cleaned with high pressure washer.
10. Remove existing floor finish, inspect floor and allow 15 % screed to floor area ,and install new floor finish.
11. Rain water harvesting tank on concrete plinth to engineer's detail and specifications
12. Dilapidated sanitary-ware to be replaced with new fittings to match existing
13. All external walls with facebrick finish to be acid cleaned with high pressure washer.
14. GMS support posts with beam over to support roof above to Engineers detail.

No.	DATE	AMENDMENT	D.P.W.

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e-mail : ravi@architronic.co.za
SACAP NO. : 6012

drawing title

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

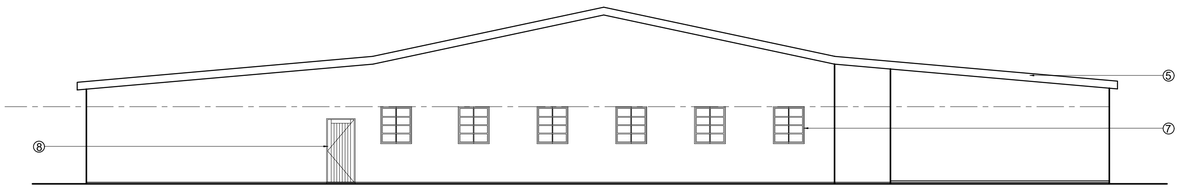
MZUVELE HIGH SCHOOL

BLOCK F
TYPICAL 10 CLASSROOM BLOCK
PLAN,SECTION,ELEVATION

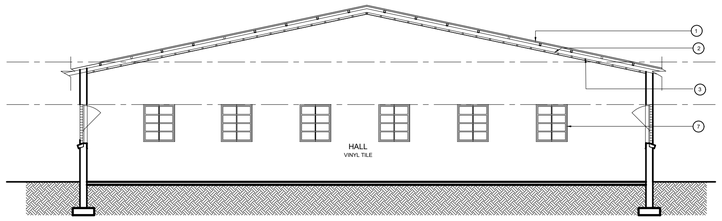
ref.no.	000000	designed	000000
scale	AS INDICATED	drawn	KB
date	MAY 2019	checked	LC

drawing number REV

1120.19-MZU-GA-2006



3 FRONT ELEVATION
SCALE 1:100



2 SECTION
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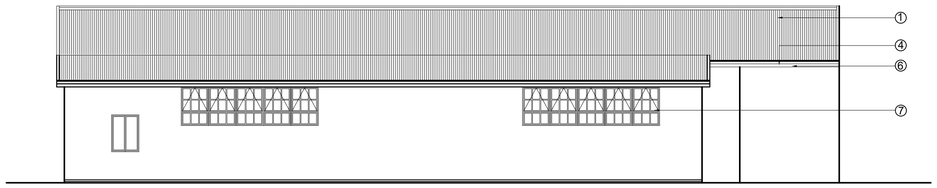
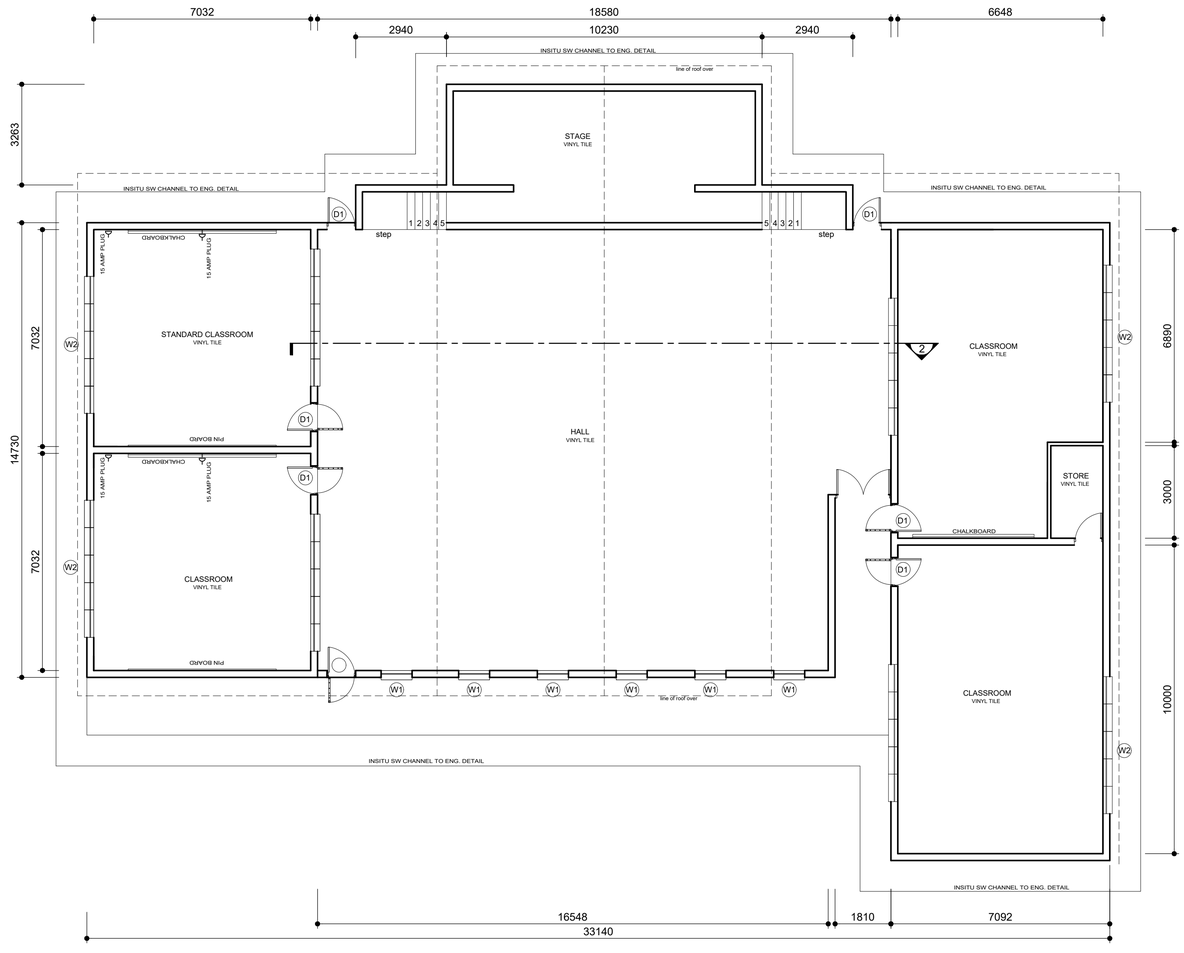


4 SIDE ELEVATION
SCALE 1:100



1 PLAN
SCALE 1:50

LEGEND

1. Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting on timber purlins to engineers details.
2. 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.
3. Existing ceiling to be removed and replaced with Rhinoboard ceilings including brandering and cornices
4. Existing fascias to be removed and replaced with new fibre cement fascias.
5. New nutek fibre cement barge boards to be provided at gable ends
6. Replace damaged gutters and downpipes with new aluminium gutters and downpipes
7. Rub, prime and paint all steel windows allow for replacement of window panes(40%)
8. Remove doors and provide new external solid timber door with new galvanized security gates with ironmongery by specialist supplier.
9. Internal walls to be re-plastered and primed and painted.Facebrick at dado level to be acid cleaned with high pressure washer.
10. Remove existing floor finish, inspect floor and allow 15 % screed to floor area ,and install new floor finish.
11. Rain water harvesting tank on concrete plinth to engineer's detail and specifications
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13. All external walls with facebrick finish to be acid cleaned with high pressure washer.
14. GMS support posts with beam over to support roof above to Engineers detail.

No.	DATE	AMENDMENT	D.P.W.

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e-mail : ravij@architronic.co.za
SACAP NO. : 6012

drawing title

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

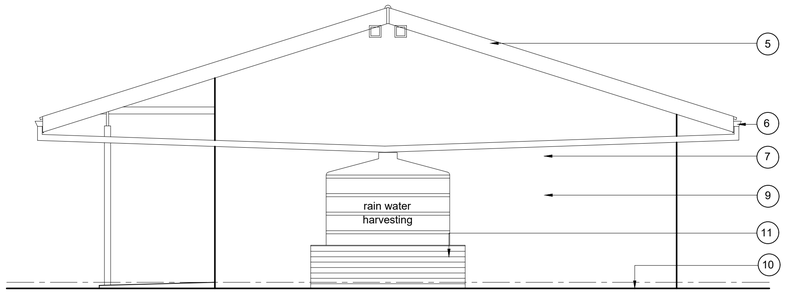
MZUVELE HIGH SCHOOL

BLOCK G HALL WITH EXAM CLASSROOM
PLAN,SECTION,ELEVATION

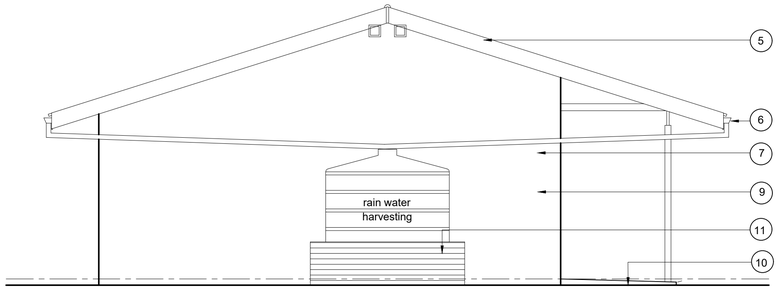
ref.no.	000000	designed	000000
scale	AS INDICATED	drawn	KB
date	MAY 2019	checked	LC

drawing number REV

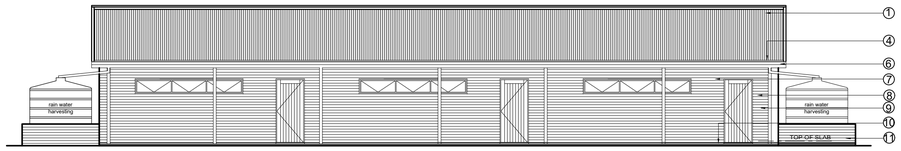
1120.19-MZU-GA-2007



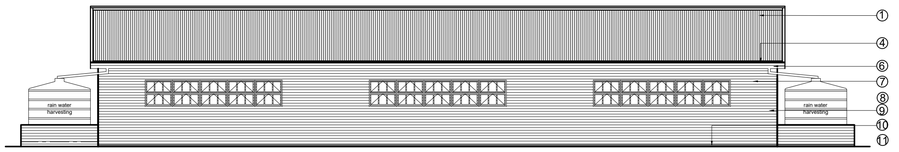
3 SIDE ELEVATION
SCALE 1:50



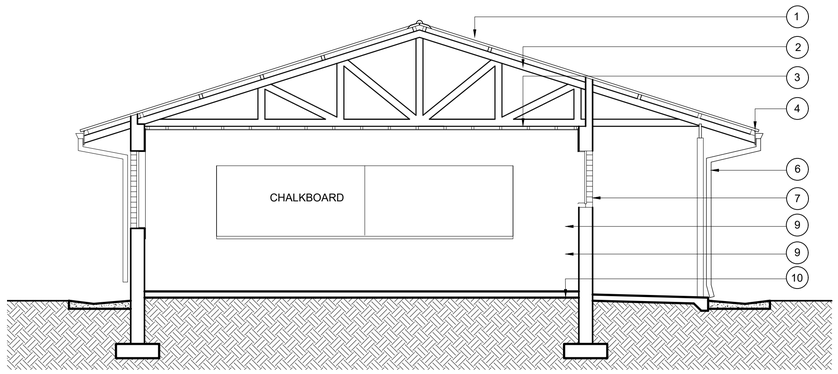
4 SIDE ELEVATION
SCALE 1:50



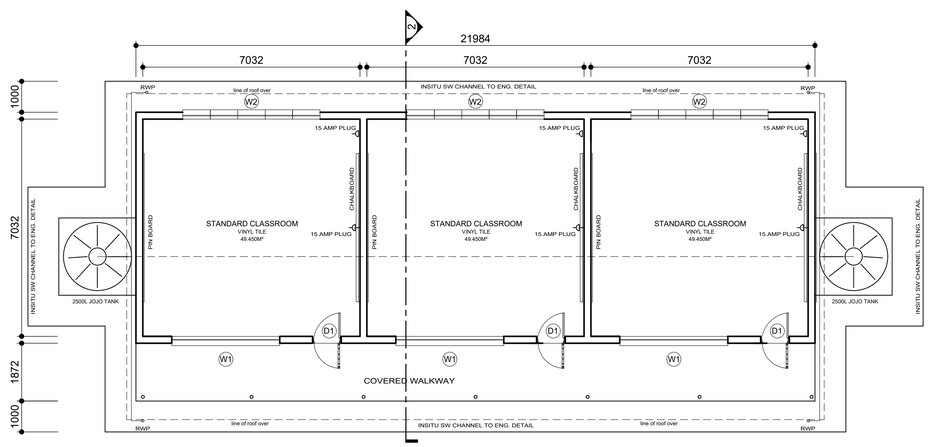
5 FRONT ELEVATION
SCALE 1:100



6 REAR ELEVATION
SCALE 1:100



2 SECTION
SCALE 1:50



1 PLAN
SCALE 1:100

LEGEND

1. Existing asbestos roof sheeting to be removed and replaced with IBR roof sheeting on timber purlins to engineers details.
2. 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.
3. Existing ceiling to be removed and replaced with Rhinoboard ceilings including brandering and cornices
4. Existing fascias to be removed and replaced with new fibre cement fascias.
5. New nutek fibre cement barge boards to be provided at gable ends
6. Replace damaged gutters and downpipes with new aluminium gutters and downpipes
7. Rub, prime and paint all steel windows allow for replacement of window panes(40%)
8. Remove doors and provide new external solid timber door with new galvanized security gates with ironmongery by specialist supplier.
9. Internal walls to be re-plastered and primed and painted.Facebrick at dado level to be acid cleaned with high pressure washer.
10. Remove existing floor finish, inspect floor and allow 15 % screed to floor area ,and install new floor finish.
11. Rain water harvesting tank on concrete plinth to engineer's detail and specifications
12. Dilapidated sanitary-ware to be replaced with new fittings to match existing
13. All external walls with facebrick finish to be acid cleaned with high pressure washer.
14. GMS support posts with beam over to support roof above to Engineers detail.

No.	DATE	AMENDMENT	D.P.W.

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

drawing title

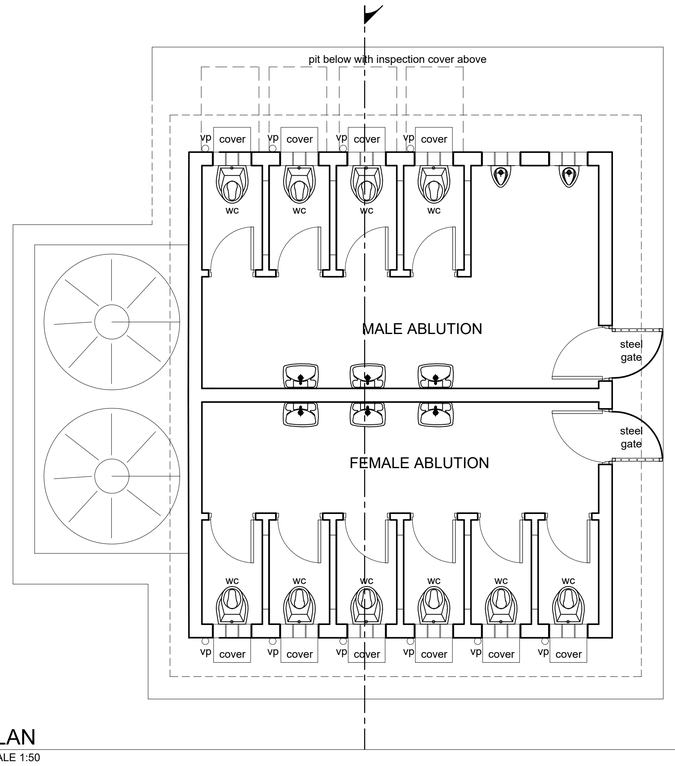
KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME

MZUVELE HIGH SCHOOL

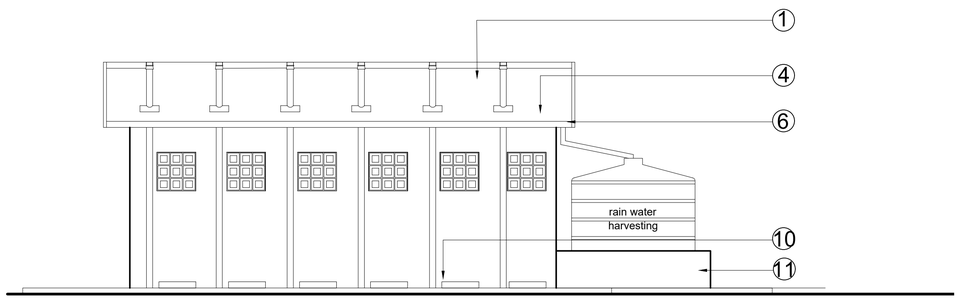
BLOCK H
TYPICAL 3 CLASSROOM BLOCK
PLAN,SECTION,ELEVATION

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

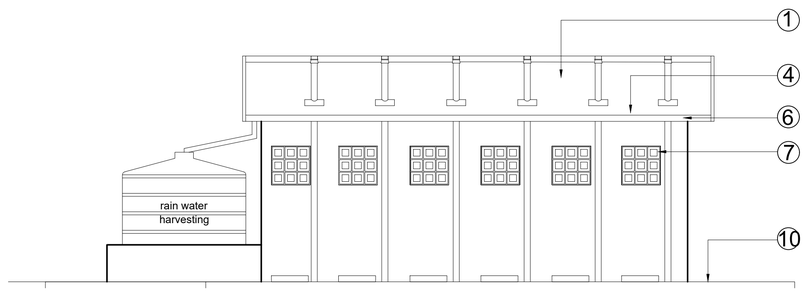
1120.19-MZU-GA-2008



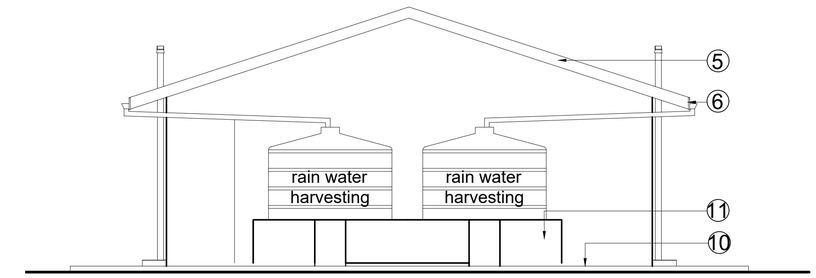
1 PLAN
SCALE 1:50



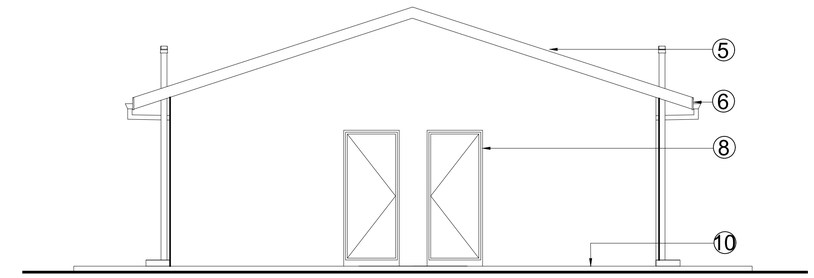
2 REAR ELEVATION
SCALE 1:50



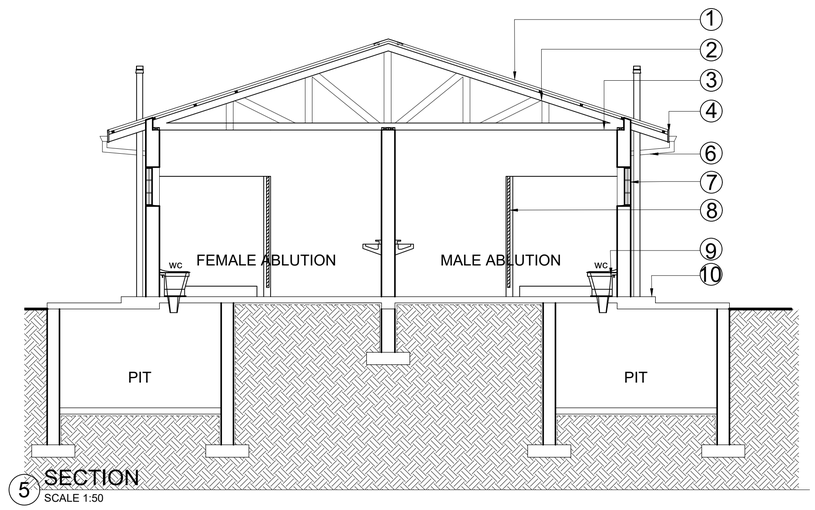
3 FRONT ELEVATION
SCALE 1:50



4 SIDE ELEVATION
SCALE 1:50



4 SIDE ELEVATION
SCALE 1:50



5 SECTION
SCALE 1:50

LEGEND

1. Existing roof sheeting
2. Existing timber trusses
3. Existing ceiling
4. Existing fascias
5. Existing barge
6. Existing gutters and downpipes
7. Replace damaged glazing and window mechanisms where necessary
8. Replace damaged doors, frames and ironmongery where necessary
9. Dilapidated sanitary-ware to be replaced with new fittings to match existing
10. Existing floor slabs
11. Rain water harvesting tank on concrete plinth to engineer's detail and specifications

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SACAP NO. : 6012

drawing title

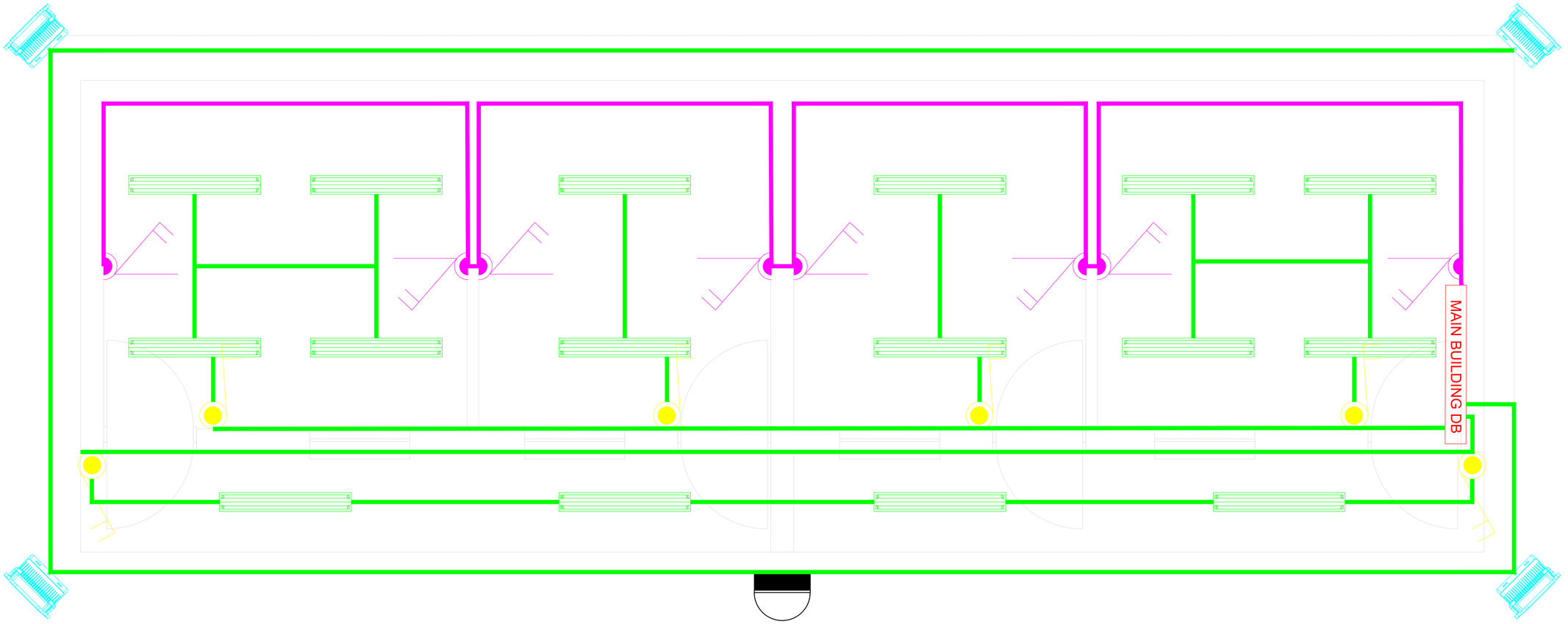
KZN D.O.E. INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME

MZUVELE HIGH SCHOOL

BLOCK F
TYPICAL ABLUTION BLOCK
PLAN,SECTION,ELEVATION

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

1120.19-MZU-GA-2009



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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	16
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	8
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

LEGEND

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

STATUS: FOR APPROVAL

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

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Engineering Joint Venture
Musgrave Centre
8th Floor, Musgrave Road,
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Tel: (031) 000 0449
Fax: (086) 673 3964
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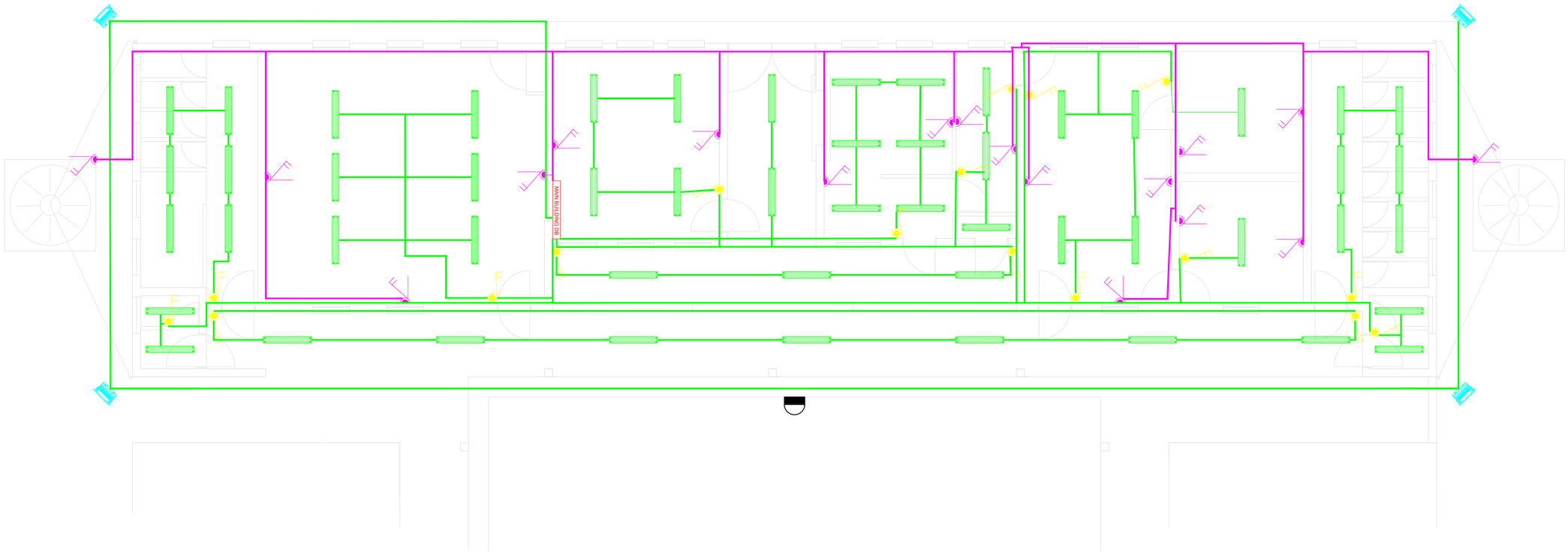
REV	DESCRIPTION	DATE

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

TITLE: MZUVELE PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT

SCALE AT A1:	DATE:	DRAWN:	CHECKED:
AS SHOWN	30/10/22	M.B	N.V

PROJECT NO:	DRAWING NO:	REVISION:
J21003	500-MZU-01	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	53
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	17
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	18
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

LEGEND

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

STATUS: FOR APPROVAL

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

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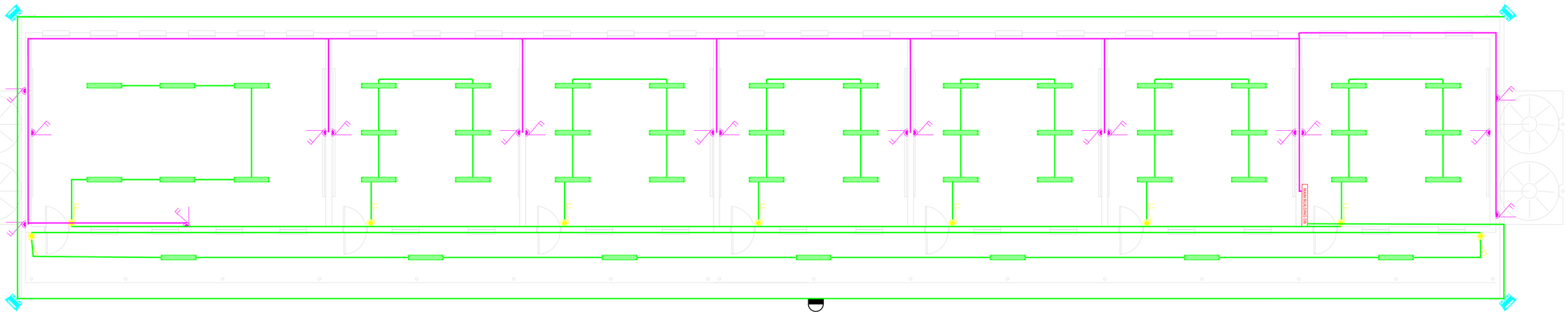
REV	DESCRIPTION	DATE

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

TITLE: MZUVELE PRIMARY SCHOOL ELECTRICAL EQUIPMENT LAYOUT

SCALE AT A1:	DATE:	DRAWN:	CHECKED:
AS SHOWN	30/10/22	M.B	N.V

PROJECT NO:	DRAWING NO:	REVISION:
J21003	500-MZU-02	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	49
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	9
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	19
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

LEGEND

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

STATUS: FOR APPROVAL

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

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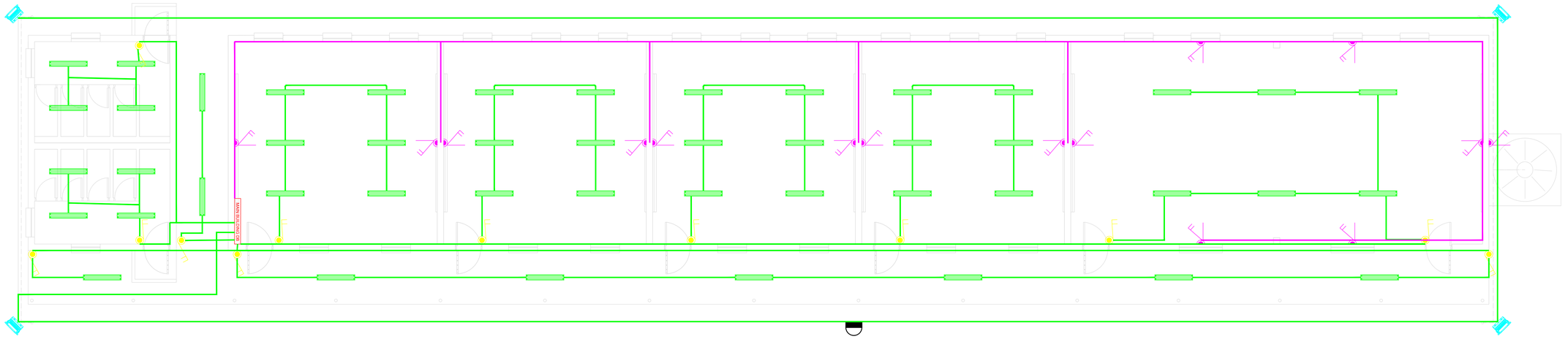

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ITEM	DISCRIPTION	QTY
1	FLUORESCENT LIGHTS	51
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	12
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	15
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

LEGEND

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

STATUS: FOR APPROVAL

	NAME	SIGNATURE	ECSA REG. No.	DATE
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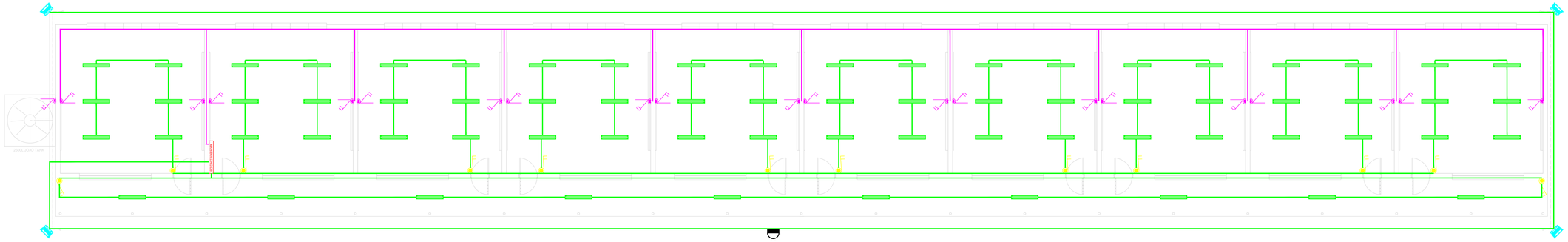
J21003	500-MZU-04	A



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ITEM	DISCRIPTION	QTY
1	FLUORESCENT LIGHTS	70
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	12
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	21
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

LEGEND

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

STATUS: FOR APPROVAL

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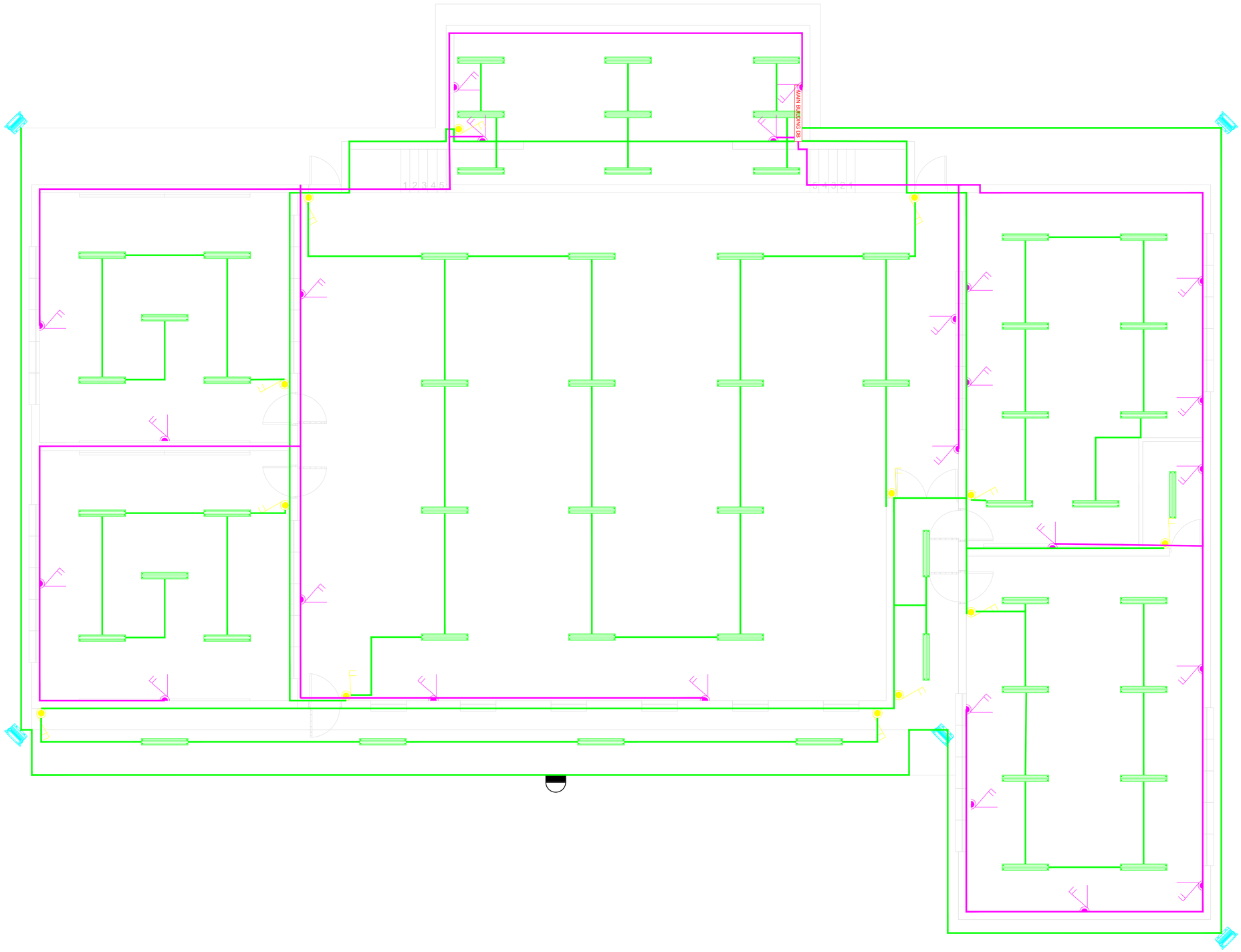

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1	FLUORESCENT LIGHTS	61
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	5
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	13
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	25
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

LEGEND

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

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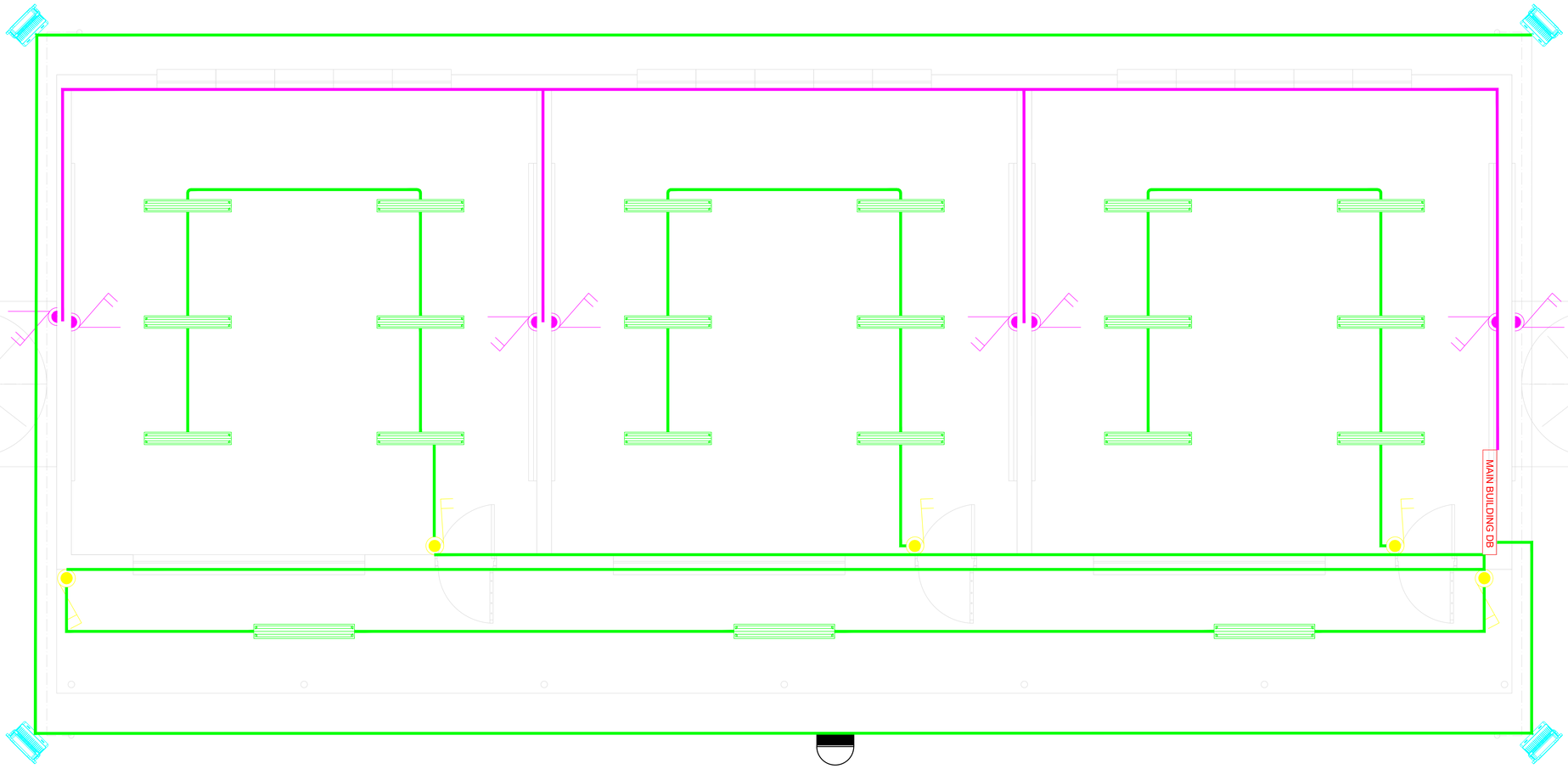

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ITEM	DISCRIPTION	QTY
1	FLUORESCENT LIGHTS	21
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	5
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	8
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

LEGEND

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

STATUS: FOR APPROVAL

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

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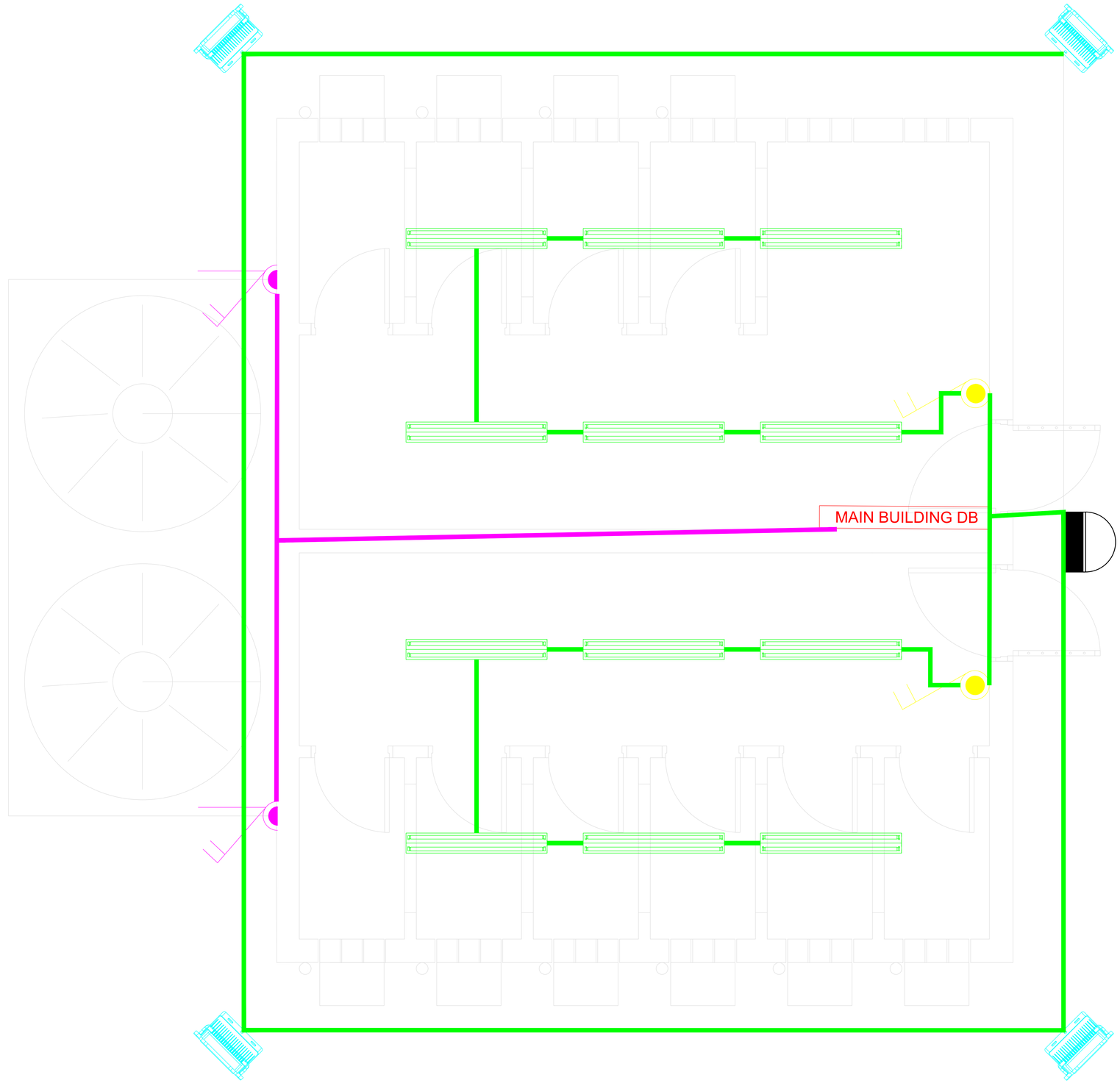

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ITEM	DISCRIPTION	QTY
1	FLUORESCENT LIGHTS	12
2	ROOM SUPPLY DB'S	0
3	MAIN SUPPLY DB	1
4	PERIMETER SPOTLIGHTS	4
5	SINGLE LIGHT SWITCH	0
6	DOUBLE LIGHT SWITCH	2
7	DAY NIGHT SWITCH	1
8	DOUBLE PLUG	2
9	LIGHT CONDUIT	-
10	PLUG CONDUIT	-

LEGEND

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

STATUS: FOR APPROVAL

	NAME	SIGNATURE	ECSA REG. No.	DATE
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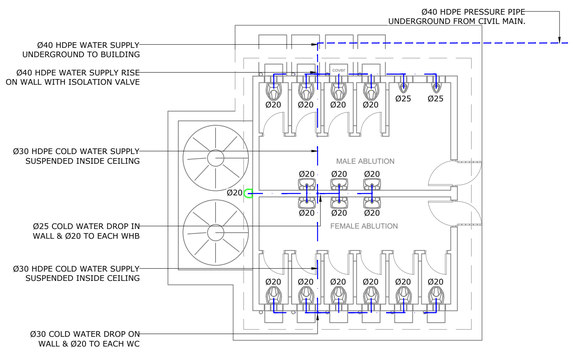
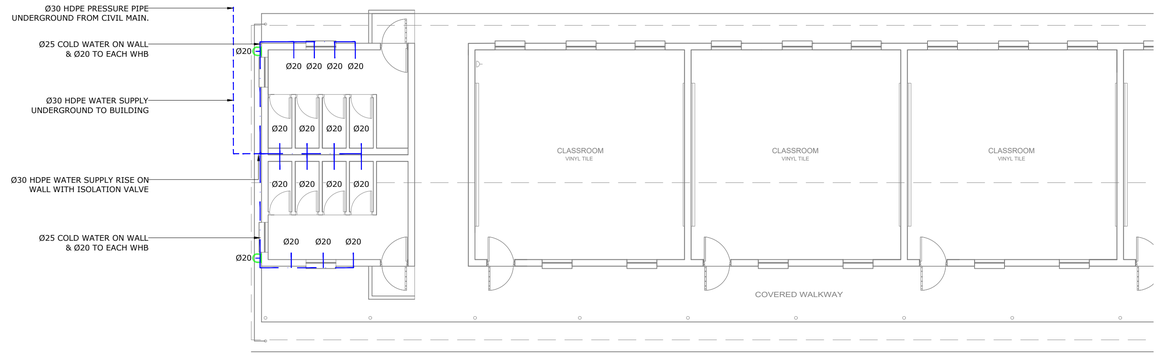
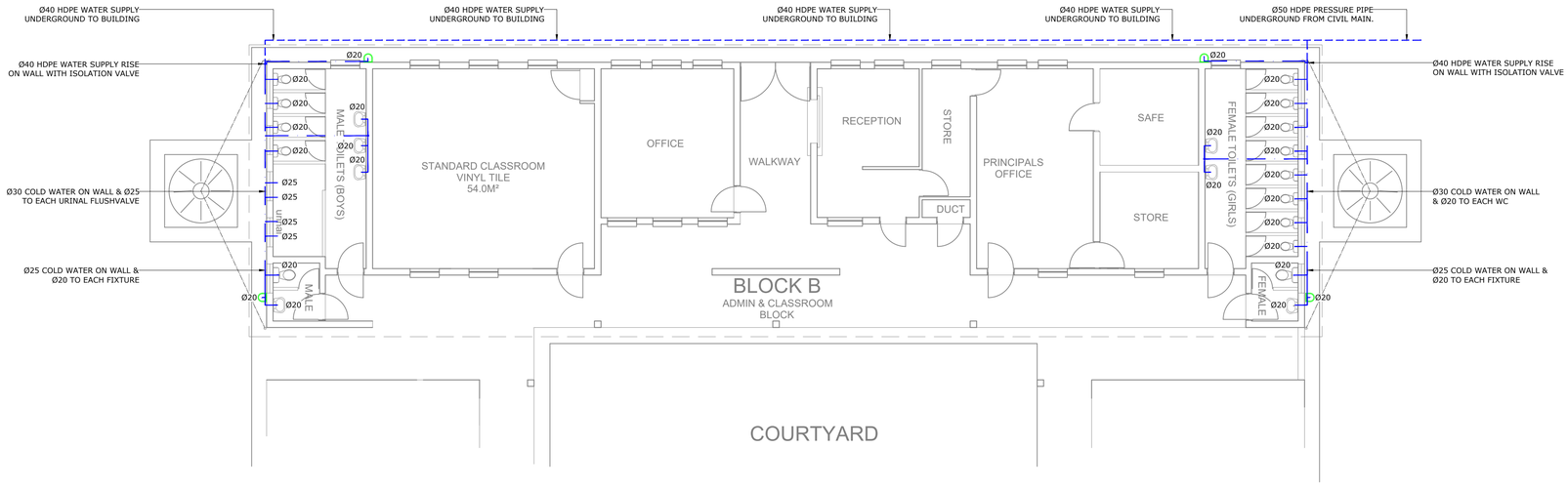


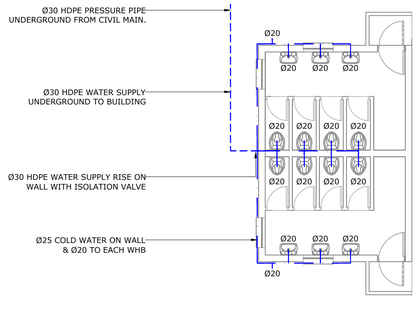
01 - Existing Block F - Typical Ablution Plan: Water Reticulation Layout
Scale 1:100



02 - Existing Block E - Typical Classroom Block Plan: Water Reticulation Layout
Scale 1:100



03 - Existing Block B Plan: Water Reticulation Layout
Scale 1:100



04 - Existing Block I: Water Reticulation Layout
Scale 1:100

PLUMBER TO NOTE:
- FINAL PIPE ROUTING TO BE CONFIRMED ON SITE.

General Notes:
1. This drawing is to be read in conjunction with drawings issued by the consultants of various disciplines, in particular; structural, electrical, mechanical and wet services engineers.
2. Any discrepancies between drawings layouts are to be brought to the attention of the architects prior to any work being put in hand.
3. Figured dimensions are to be taken in preference to scaled measurements and large scale details drawings will supersede small scale general layout drawings.
4. Contractors and subcontractors to check all dimensions and levels on site prior to any work being put in hand.
5. All work on site is to conform to good building practice and all relevant national codes and standards.
6. The master held at Civpro bears the original signature of approval.

Revisions:

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

Reference Drawings:

Dwg No.	Description
1120.19-MZU-GA-2002	Existing Block B & I Plan
1120.19-MZU-GA-2003	Existing Block A Plan
1120.19-MZU-GA-2005	Existing Block E Typical Classroom Block Plan
1120.19-MZU-GA-2009	Existing Block F Typical Ablution Plan

HOT WATER RETURN
COLD WATER SUPPLY
HOT WATER SUPPLY

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

Project Service:
Mechanical: Wet Services

Client:

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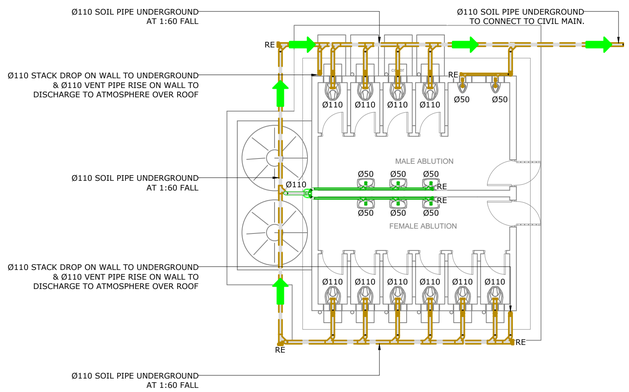
Consultants:

Drawing Issued:
For Information

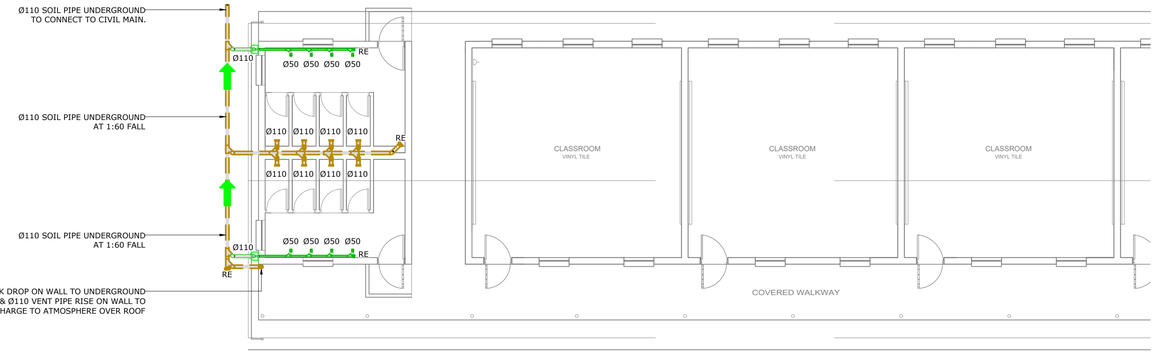
Consultant Approval:

Drawing Details:
Existing Block B, E, F & I
Water Reticulation Layout

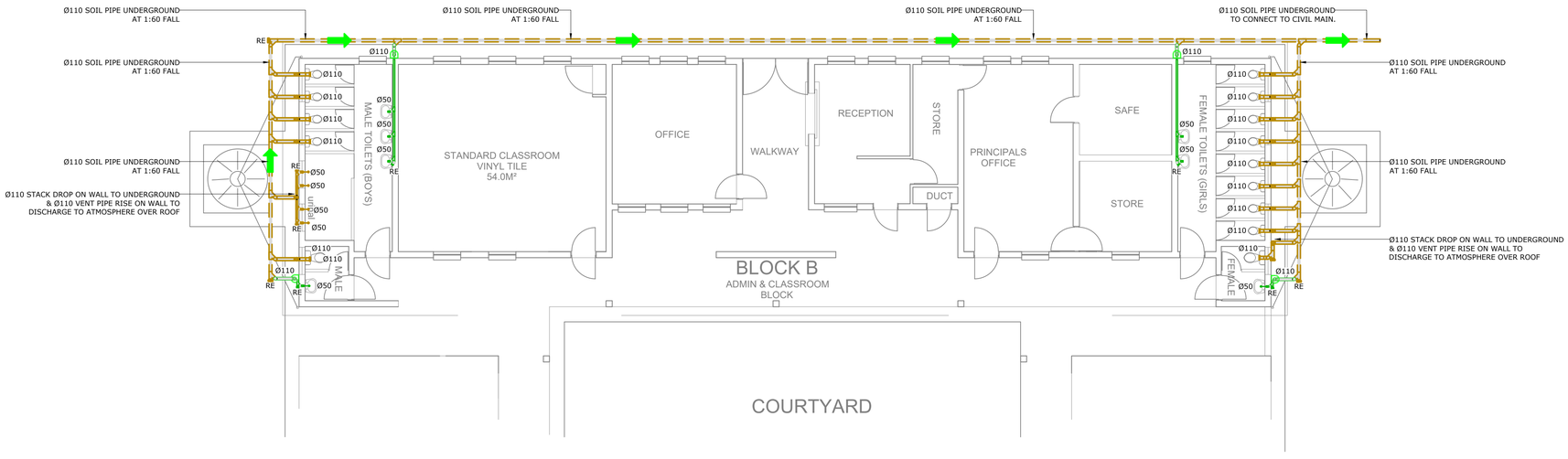
Drawing Number: 2259-WETS-LYT-09-01-RA			
Date: 2022/10/14			Rev No.: A
Scale: 1:100	Paper Size: A1	Drawn: M.R	Checked: Z.D
Client :		Date:	
COUNCIL APPROVAL SIGNOFF :			



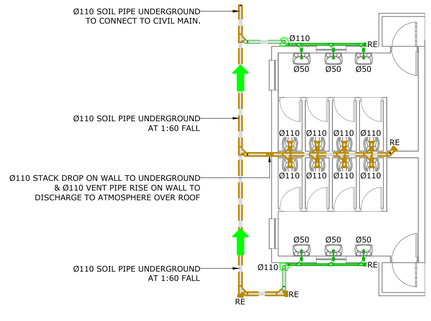
01 - Existing Block F - Typical Ablution Plan: Drainage Reticulation Layout
Scale 1:100



02 - Existing Block E - Typical Classroom Block Plan: Drainage Reticulation Layout
Scale 1:100



03 - Existing Block B Plan: Drainage Reticulation Layout
Scale 1:100



04 - Existing Block I: Drainage Reticulation Layout
Scale 1:100

PLUMBER TO NOTE:
- FINAL PIPE ROUTING TO BE CONFIRMED ON SITE.

General Notes:

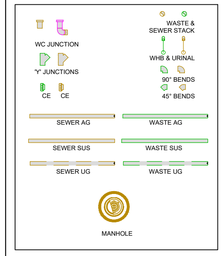
1. This drawing is to be read in conjunction with drawings issued by the consultants of various disciplines, in particular; structural, electrical, mechanical and wet services engineers.
2. Any discrepancies between drawings layouts are to be brought to the attention of the architects prior to any work being put in hand.
3. Figured dimensions are to be taken in preference to scaled measurements and large scale details drawings will supersede small scale general layout drawings.
4. Contractors and subcontractors to check all dimensions and levels on site prior to any work being put in hand.
5. All work on site is to conform to good building practice and all relevant national codes and standards.
6. The master held at Civpro bears the original signature of approval.

Revisions:

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

Reference Drawings:

Dwg No.	Description
1120.19-MZU-GA-2002	Existing Block B & I Plan
1120.19-MZU-GA-2003	Existing Block A Plan
1120.19-MZU-GA-2005	Existing Block E Typical Classroom Block Plan
1120.19-MZU-GA-2009	Existing Block F Typical Ablution Plan



Project Name:
DBSA Schools - Mzuvele High School

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

Project Service:
Mechanical: Wet Services

Client:

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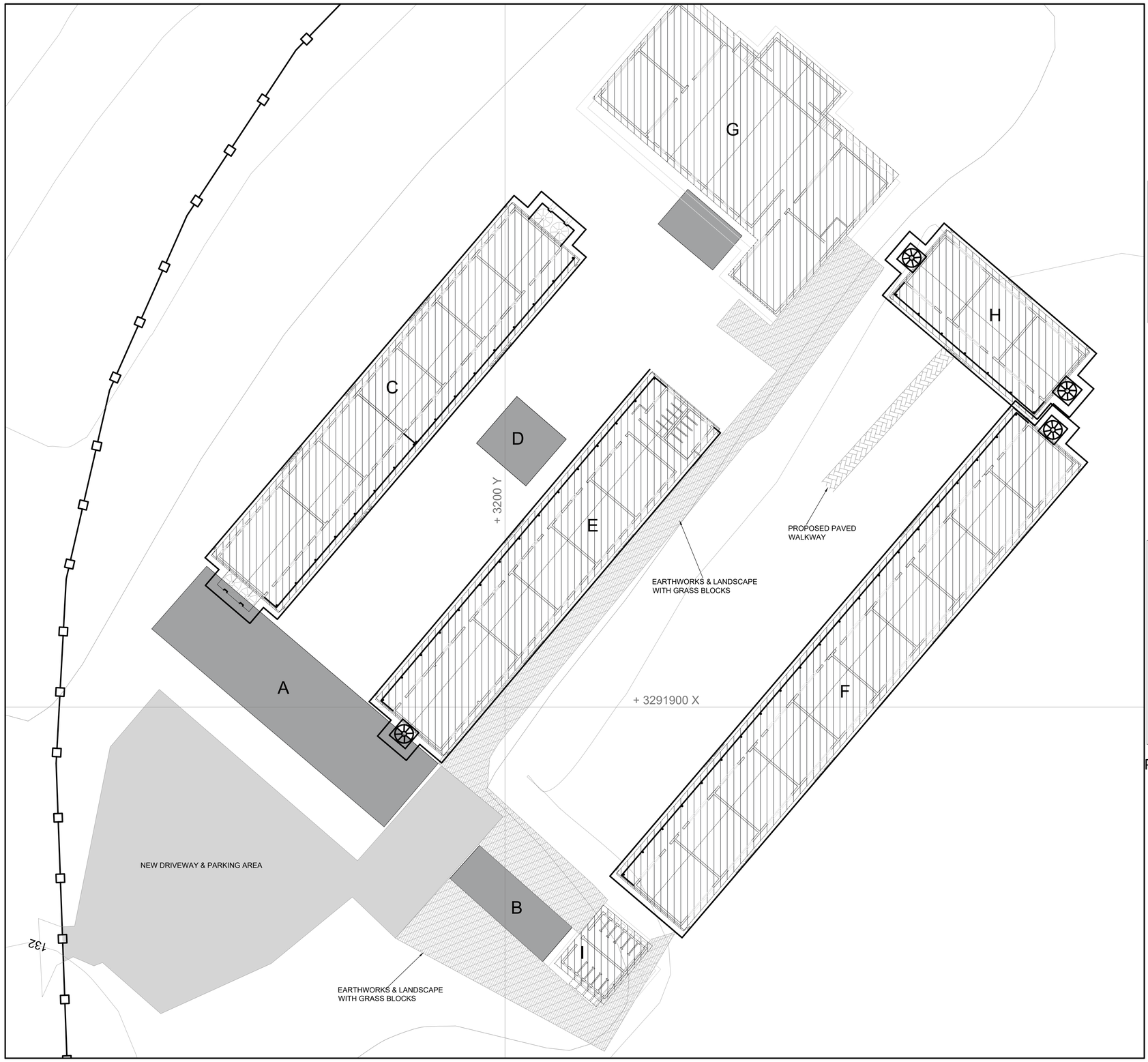
Consultants:

Drawing Issued:
For Information

Consultant Approval:

Drawing Details:
Existing Block B, E, F & I
Drainage Reticulation Layout

Drawing Number: 2259-WETS-LYT-09-02-RA			
Date: 2022/10/14			Rev No.: A
Scale: 1:100	Paper Size: A1	Drawn: M.R	Checked: Z.D
Client :		Date:	
COUNCIL APPROVAL SIGNOFF :			

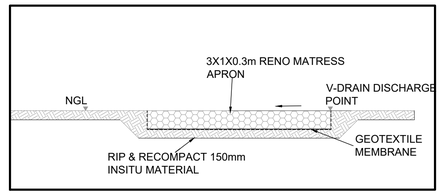


CIVIL SERVICES LAYOUT PLAN
SCALE 1:250

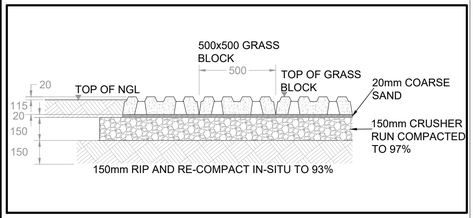
N

LEGEND

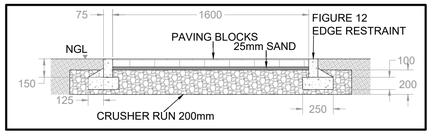
- EXISTING DRIVEWAY AND PARKING AREA
- EXISTING SCHOOL BLOCKS - REPLACEMENT OF ASBESTOS ROOFS
- EXISTING SCHOOL BLOCKS - NO ROOF REPLACEMENT
- PROPOSED LANDSCAPING WITH GRASS BLOCKS



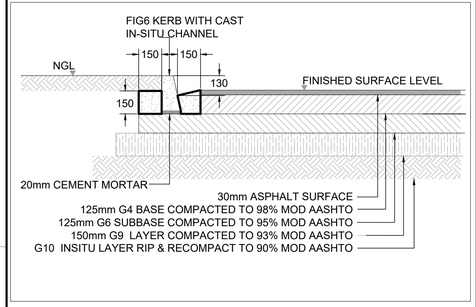
RENO MATRESS
SCALE 1:50



TYPICAL GRASS BLOCK DETAIL
SCALE 1:20



PAVED WALKWAY
SCALE 1:25



PROPOSED DRIVEWAY & PARKING AREA DETAIL
SCALE 1:20

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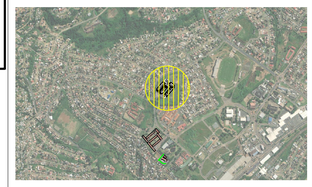
9. ALL QUANTITIES ARE TO BE MEASURED IN ACCORDANCE WITH SANS 1200.
10. ALL WET SERVICES ARE TO HAVE FLEXIBLE JOINTS AGAINST THE BUILDING.
11. STORMWATER IS TO BE ADEQUATELY ROUTED AWAY FROM THE STRUCTURE.
12. PONDING OF WATER DURING AND AFTER CONSTRUCTION IS NOT BE PERMITTED.
13. ALL STORMWATER CATCHPITS TO BE CLEANED AND JETTED/
14. ALL CRACKS ON STORMWATER CHANNELS TO BE REPAIRED.
15. ALL DEBRI AND VEGATATION TO BE REMOVED FROM THE STORMWATER SYSTEMS (DRAINS AND CHANNELS).



LOCALITY PLAN
SCALE 1:20000

REFERENCE DRAWINGS	
-	-

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

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

Civpro Engineering Joint Venture

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Durban
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www.civproeng.co.za

CLIENT:

education
Department: Education
PROVINCE OF KWAZULU-NATAL

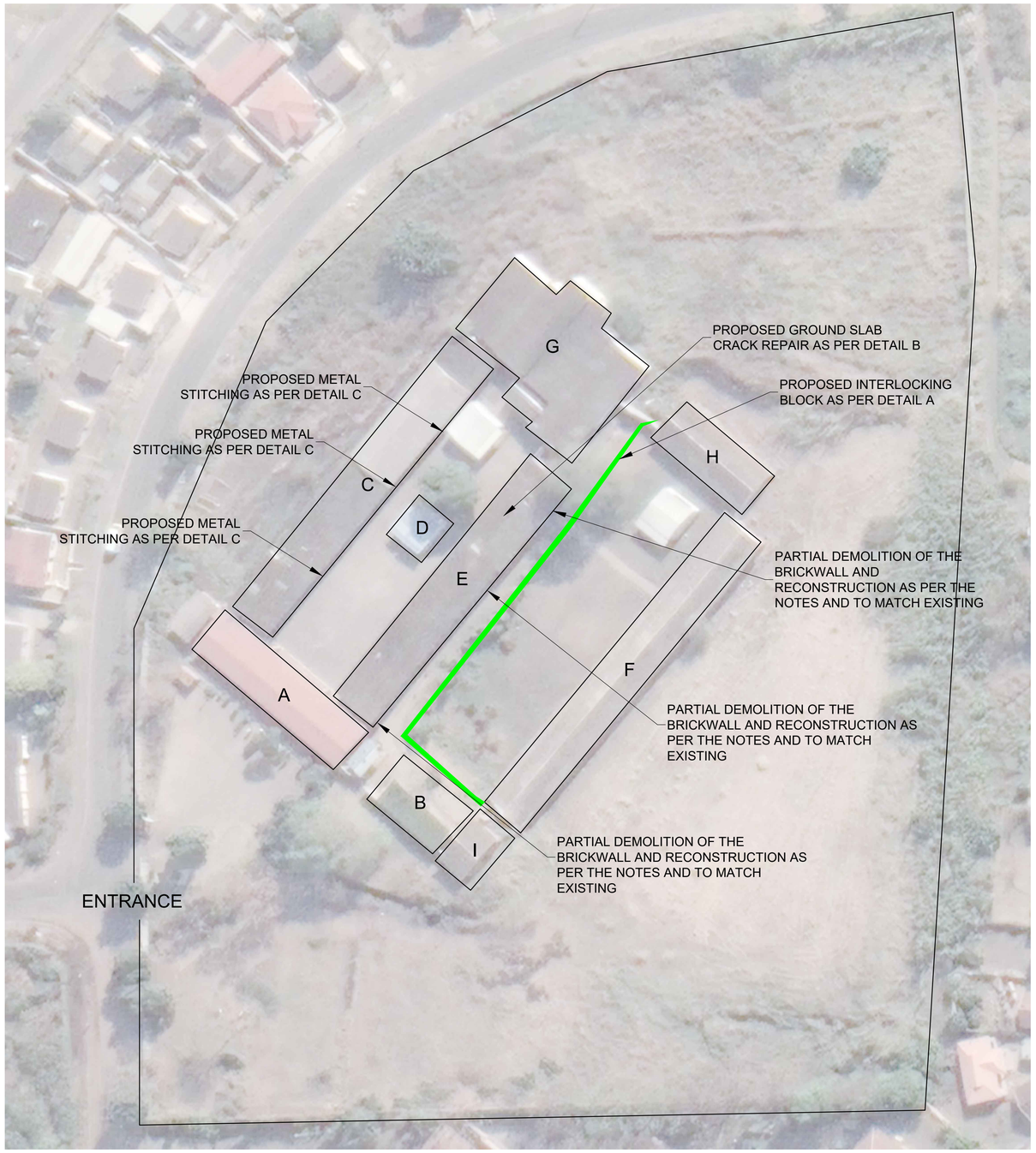
DBSA

PROJECT: KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME

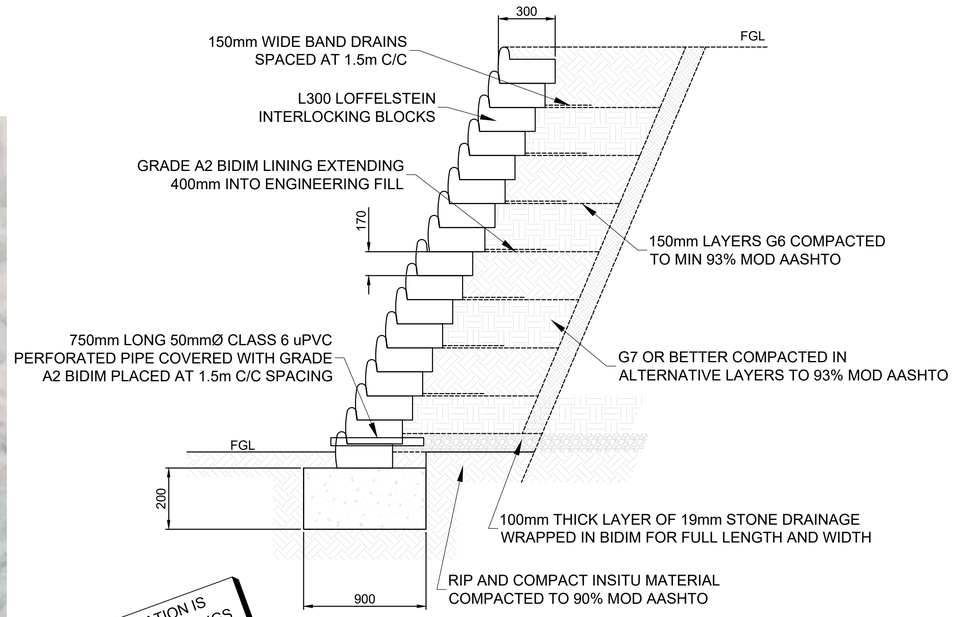
TITLE: MZUVELE SECONDARY SCHOOL
CIVIL SERVICES LAYOUT PLAN

SCALE AT A1:	DATE:	DRAWN:	CHECKED:
AS SHOWN	20/09/22	RV	NZ

PROJECT NO:	DRAWING NO:	REVISION:
D19001	300-MZU-01	A

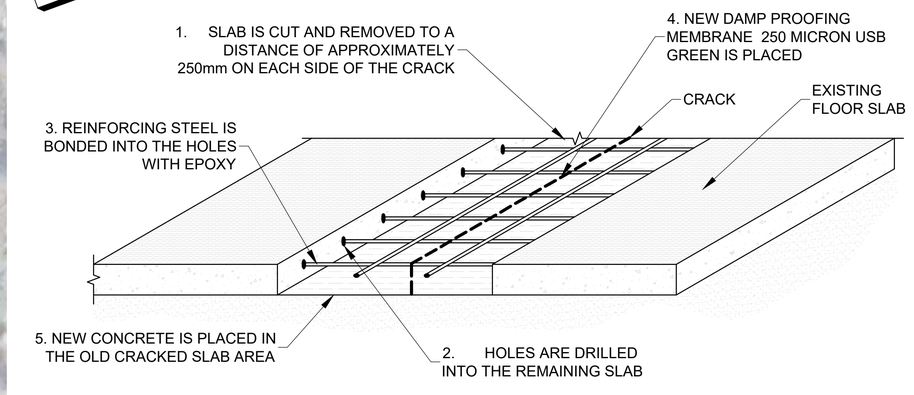


SITE LAYOUT PLAN
SCALE 1:500

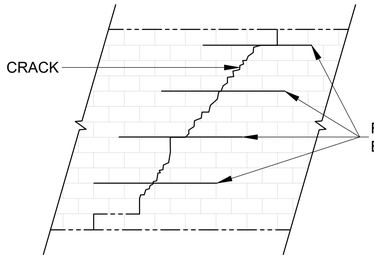


IF ANY INFORMATION IS UNCLEAR ON THE DRAWINGS CONTACT CIVPRO

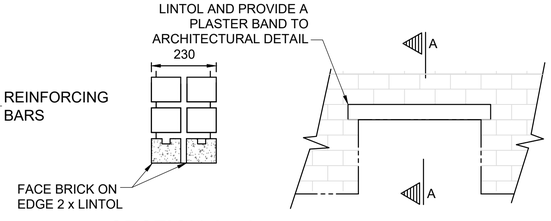
TYPICAL INTERLOCKING BLOCK
DETAIL A



PROPOSED GROUND FLOOR SLAB CRACK REPAIR
DETAIL B



PROPOSED METAL STITCHING
DETAIL C



SECTION A - A

ELEVATION

PROPOSED LINTOL
DETAIL D

REFERENCE DRAWINGS	
-	-

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

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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 BE PERMITTED.

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:

1. GRIND OUT MORTAR BED JOINT TO A DEPTH OF 40mm x 500mm LONG EITHER SIDE OF THE CRACK.
2. CLEAR DEBRIS FROM THE SLOT AND THOROUGHLY FLUSH OUT WITH WATER OR BLAST WITH COMPRESSED AIR.
3. APPLY A BED OF 30MPa GROUT TO THE BACK OF THE SLOT TO APPROXIMATELY 10mm FROM THE SURFACE.
4. PUSH THE THORHELICAL BAR BACK INTO THE GROUT FILLED SLOT, TROWEL BACK THE DISPLACED GROUT.
5. FINISH FACE BRICK GROUT JOINT INLINE WITH EXISTING.

BRICKWALL (RECONSTRUCTION) METHODOLOGY

1. PARTIALLY DEMOLITION BRICKWORK WITH DESTABILISED OR DISLODGED BRICKS UP TO UNDISTURBED SECTIONS OF THE WALL.
2. BLAST CLEAN TO REMOVE ALL DEBRIS AND LOOSE MATERIAL.
3. RECONSTRUCT WALL USING SIMILAR BRICKS AND APPROPRIATE BRICKFORCE.

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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CLIENT:
education
Department:
Education
PROVINCE OF KWAZULU-NATAL
DBSA

PROJECT:
REPLACEMENT OF ASBESTOS

TITLE:
MZUVELE HIGH SCHOOL
STRUCTURAL REPAIRS

SCALE AT A1:	DATE:	DRAWN:	CHECKED:
AS SHOWN	20/09/2022	KW	NZ
PROJECT NO:	DRAWING NO:		REVISION:
D19001	400-MZU-01		0.1