



TRADEMARK AFRICA

**DRAWINGS FOR THE PROPOSED ALTERATIONS AND UPGRADES AT AGRICULTURE & FOOD
AUTHORITY - HORTICULTURAL CROPS DIRECTORATE (HCD) PACK HOUSE, KIBWEZI, MAKUENI
COUNTY**

[TENDER No.: PRQ.....]

BOOK OF DRAWINGS

[JANUARY 2025]



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ARCHITECTURAL DRAWINGS

Client:



TRADEMARK AFRICA

P.O BOX313-00606

NAIROBI, KENYA.

Consultant:



APEX SYSTEMS CONSULTING GROUP LTD,

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PROPOSED KIBWEZI WAREHOUSE

ARCHITECTURAL DRAWING LIST		
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2	L(01)01	SITE PLAN
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6	L(01)04 - L(01)07	WAREHOUSE ELEVATIONS
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7	L(01)08	WASHROOM GROUND FLOOR PLAN
8	L(01)09	WASHROOM SECTION
9	L(01)10 - L(01)13	WASHROOM ELEVATIONS
	GATEHOUSE	
10	L(01)14	GATEHOUSE GROUND FLOOR PLAN
11	L(01)15 - L(01)16	GATEHOUSE ELEVATIONS

Rev.

By

Description

Sign

Date

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DEVELOPMENT

PROPOSED REHABILITATION OF KIBWEZI

PACKHOUSE.

DRAWING TITLE

ARCHITECTURAL DRAWING LIST

SCALES

DATE

DRAWN

CHECKED

17/01/25

FSZ

AMM

PROJECT NO.

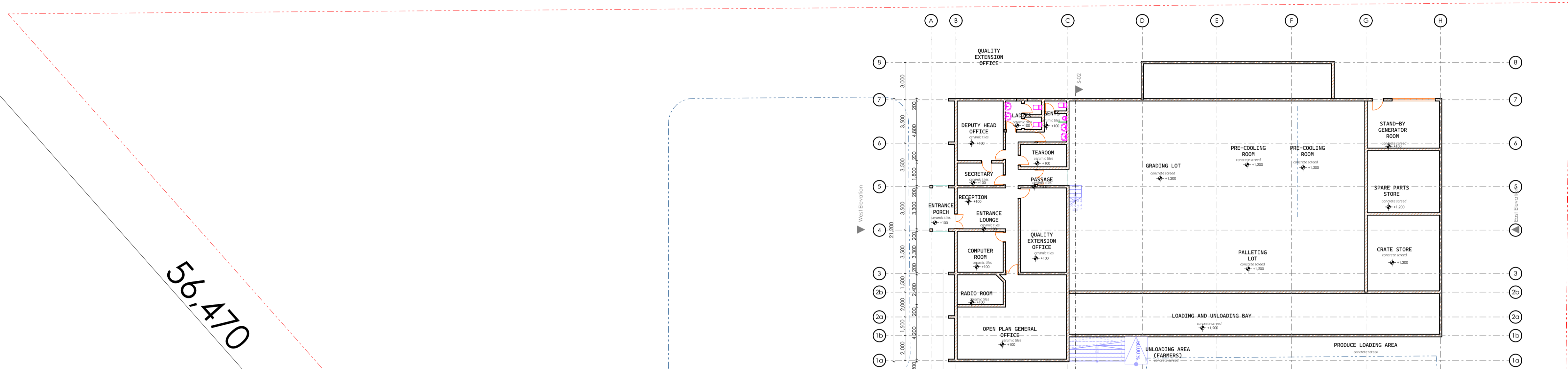
DRAWING NO.

REVISION

SE/002/2025

SE/002/2025/002

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L(01)01

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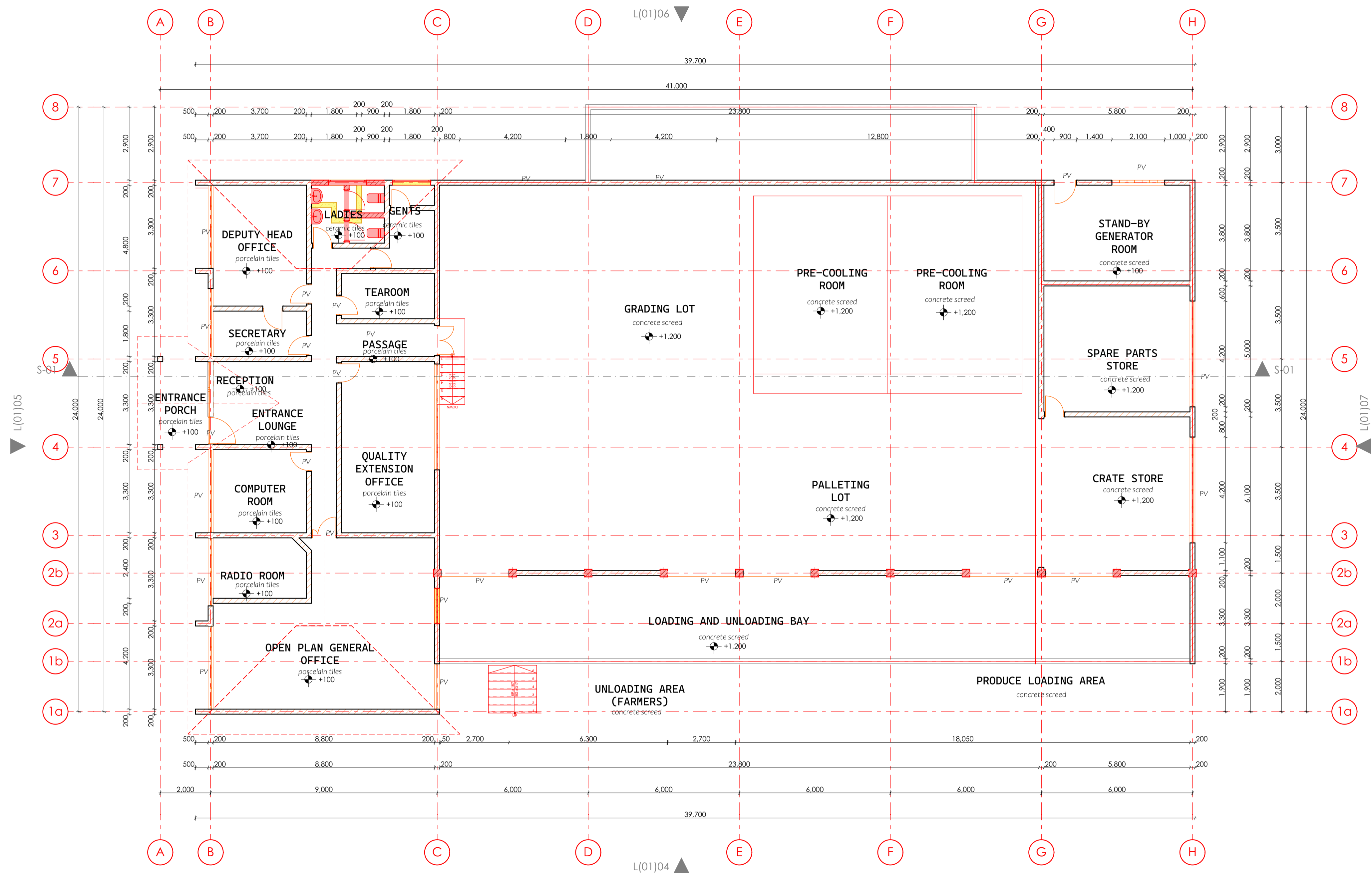
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DEVELOPMENT
PROPOSED REHABILITATION OF KIBWEZI
PACKHOUSE.

DRAWING TITLE
PROPOSED SITE PLAN

<u>SCALES</u>	<u>DATE</u>	<u>DRAWN</u>	<u>CHECKED</u>
1:200	17/01/25	FSZ	AMM
<u>PROJECT NO.</u>	<u>DRAWING NO.</u>	<u>REVISION</u>	
SE/002/2025	SE/002/2025/002	01	



L(01)02 WAREHOUSE GROUND FLOOR PLAN

Rev.	By	Description	Sign	Date

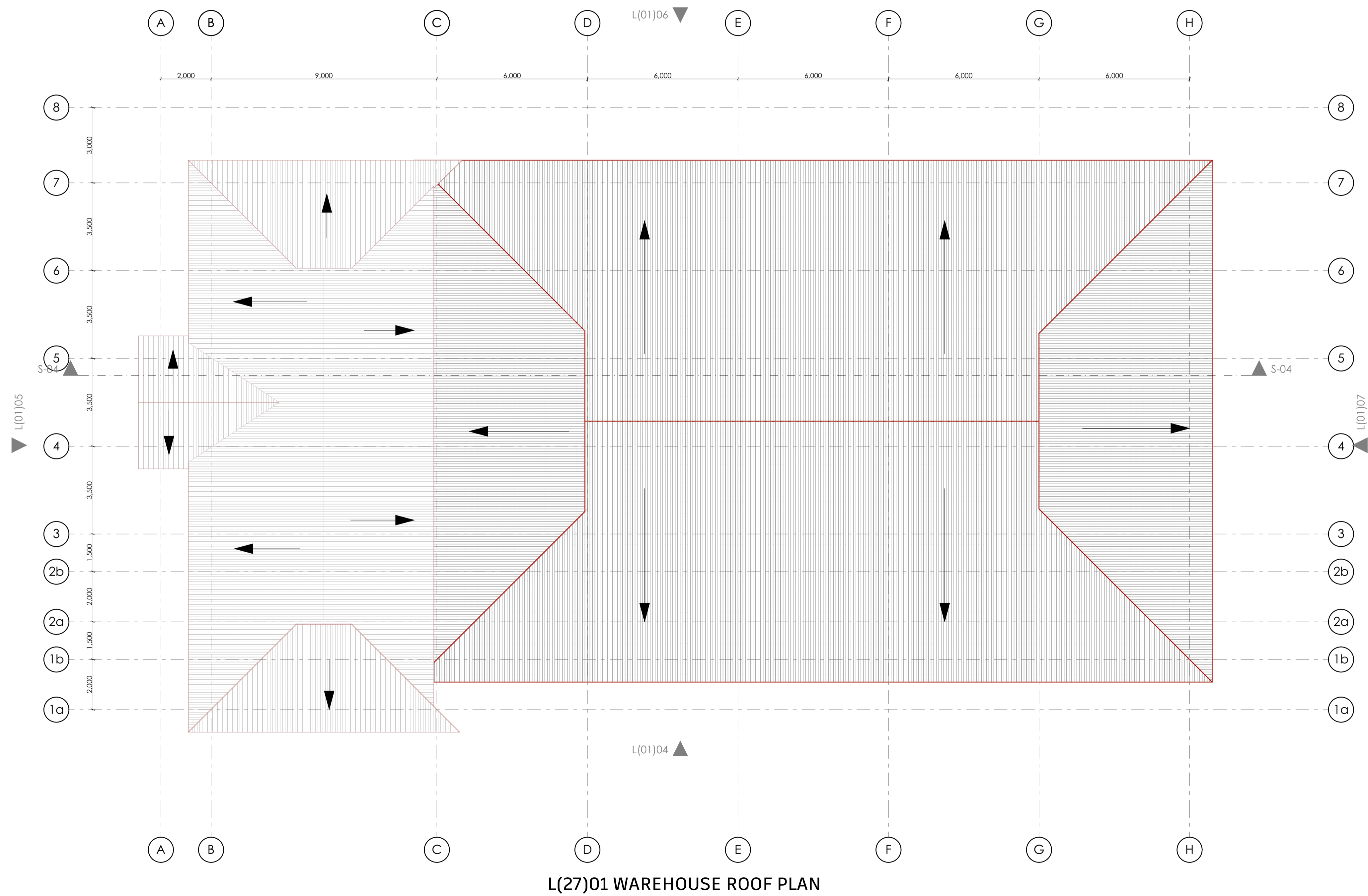
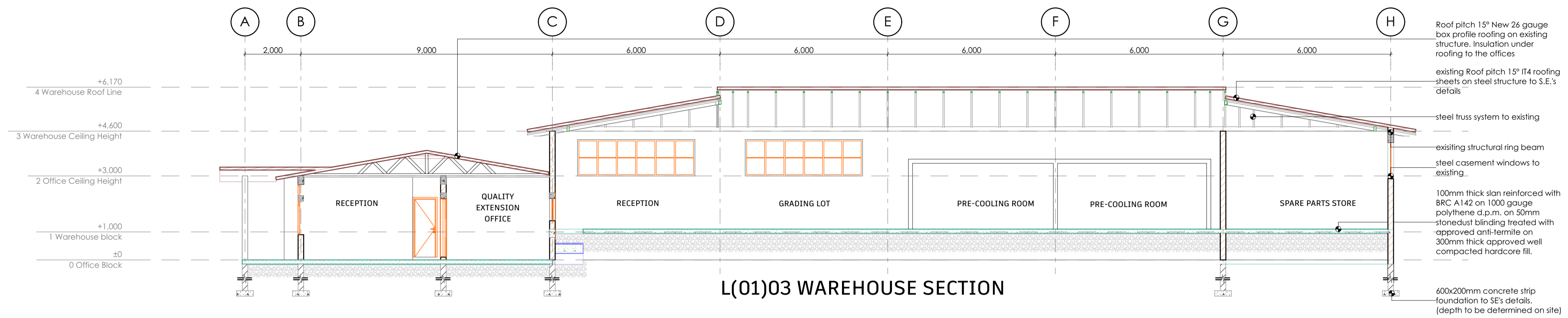
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DEVELOPMENT
PROPOSED REHABILITATION OF KIBWEZI
PACKHOUSE.

DRAWING TITLE
WAREHOUSE CHANGE PLANS

SCALES 1:100	DATE 17/01/25	DRAWN FSZ	CHECKED AMM
PROJECT NO. SE/002/2025	DRAWING NO. SE/002/2025/002	REVISION	REVISION 01



Rev.	By	Description	Sign	Date

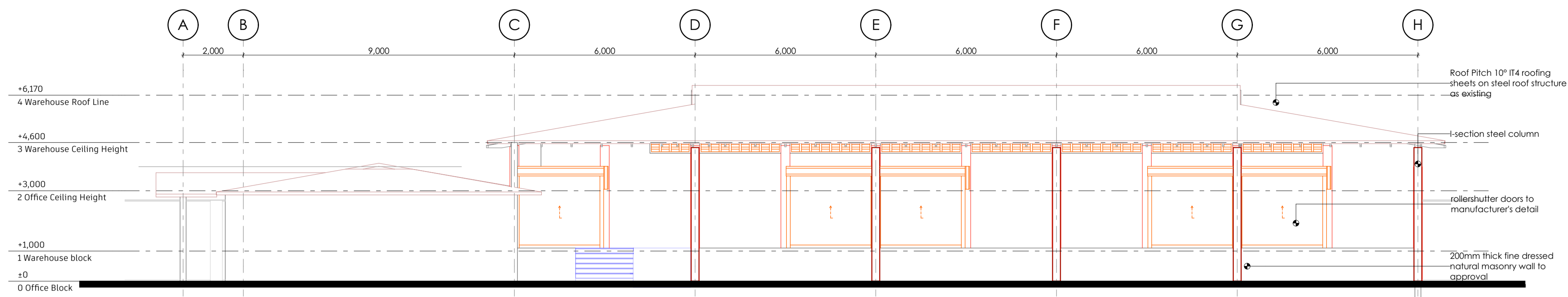
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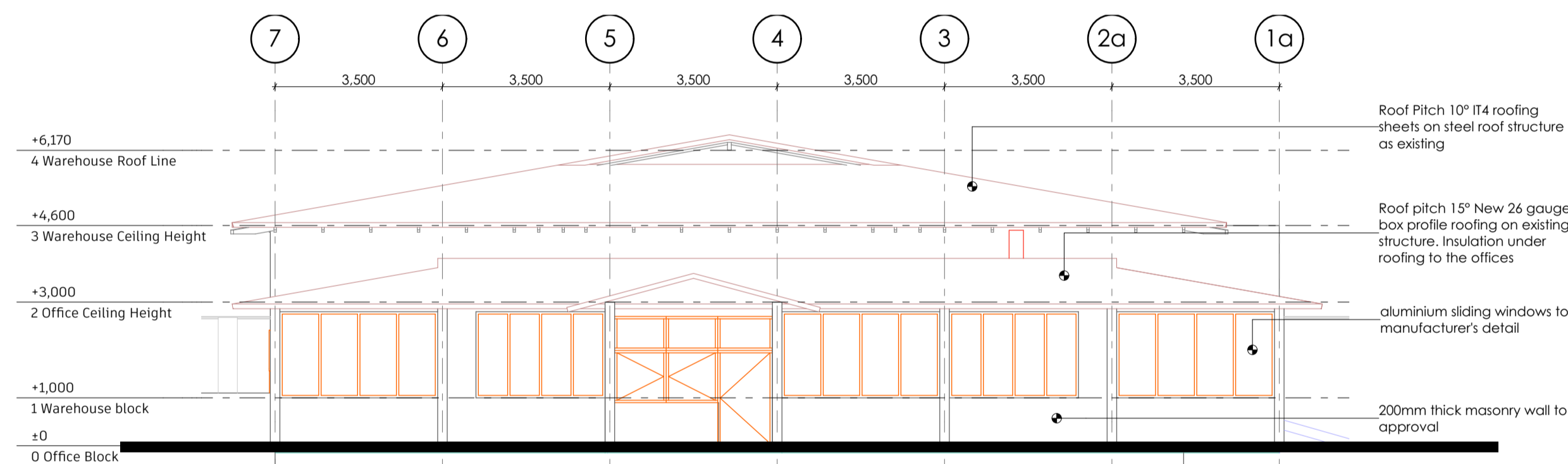
DEVELOPMENT	PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.
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DRAWING TITLE	WAREHOUSE ROOF PLAN AND SECTION DRAWINGS
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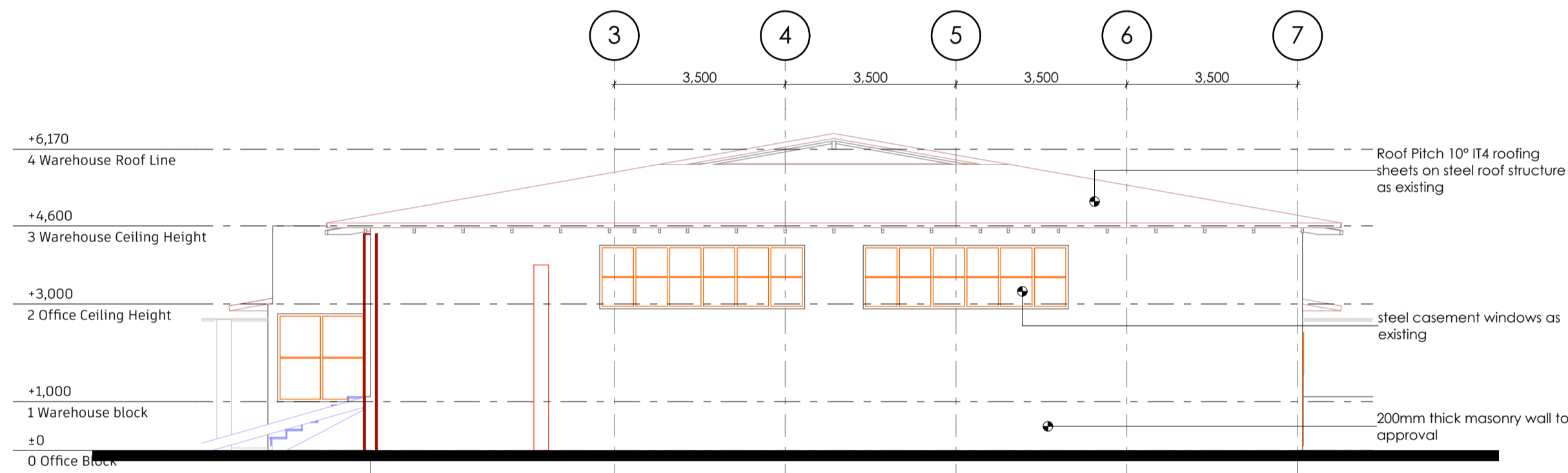
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PROJECT NO.	DRAWING NO.	REVISION	
SE/002/2025	SE/002/2025/002		01



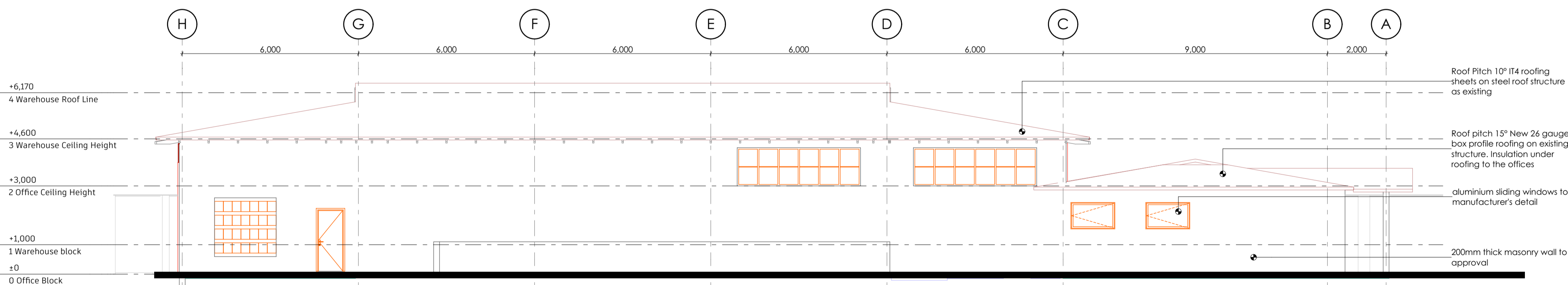
L(01)04 WAREHOUSE ELEVATION



L(01)05 WAREHOUSE ELEVATION



L(01)07 WAREHOUSE ELEVATION



L(01)06 WAREHOUSE ELEVATION

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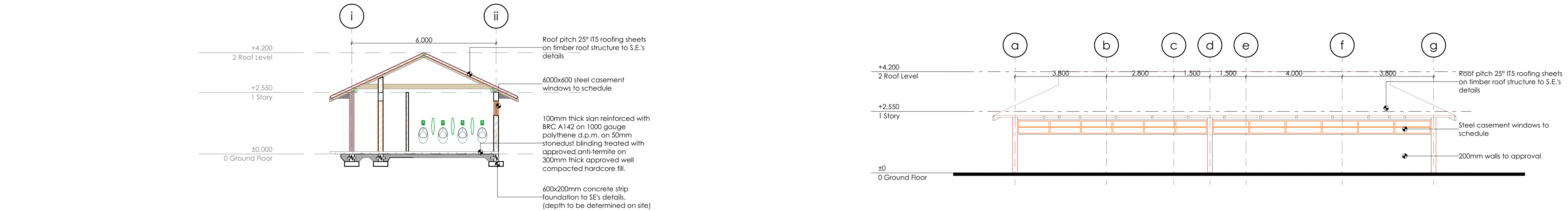
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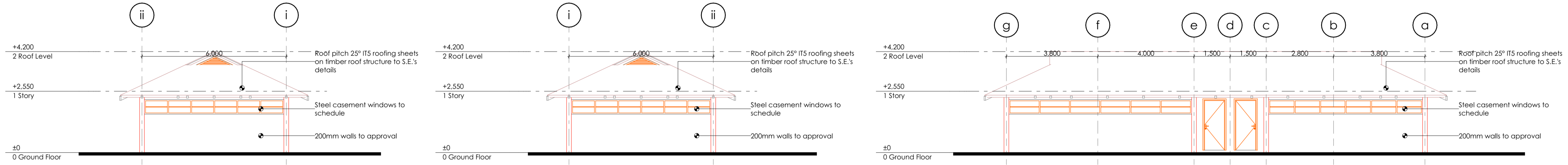
DEVELOPMENT
PROPOSED REHABILITATION OF KIBWEZI
PACKHOUSE.

DRAWING TITLE
WAREHOUSE ELEVATION DRAWINGS

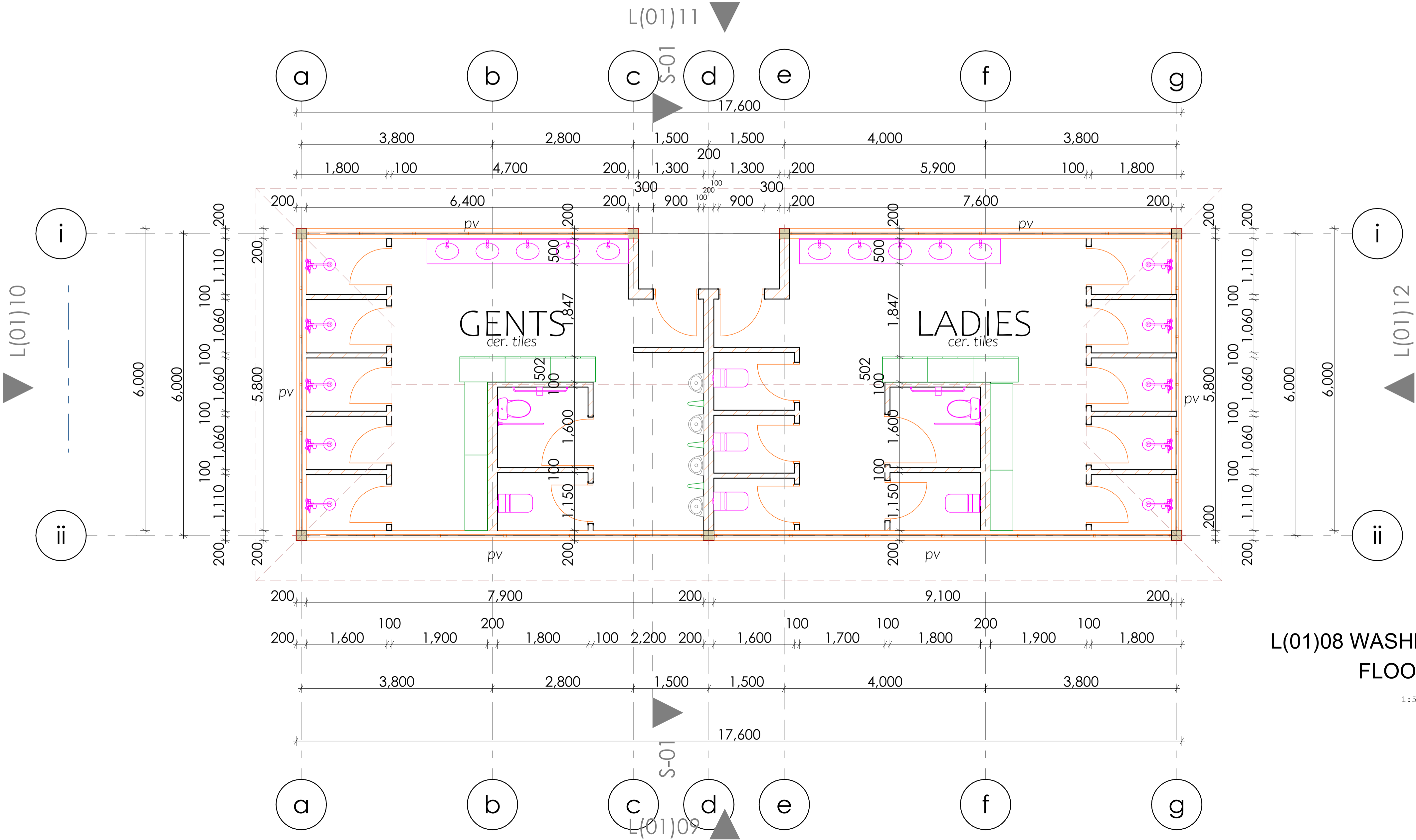
SCALES	DATE	DRAWN	CHECKED
1: 100	17/01/25	FSZ	AMM
PROJECT NO.	DRAWING NO.	REVISION	
SE/002/2025	SE/002/2025/002	01	



S-01 1:100 WC South L(01)09 1:100



WC East 1:100 WC West 1:100 WC North 1:100



L(01)08 WASHROOM GROUND FLOOR PLAN

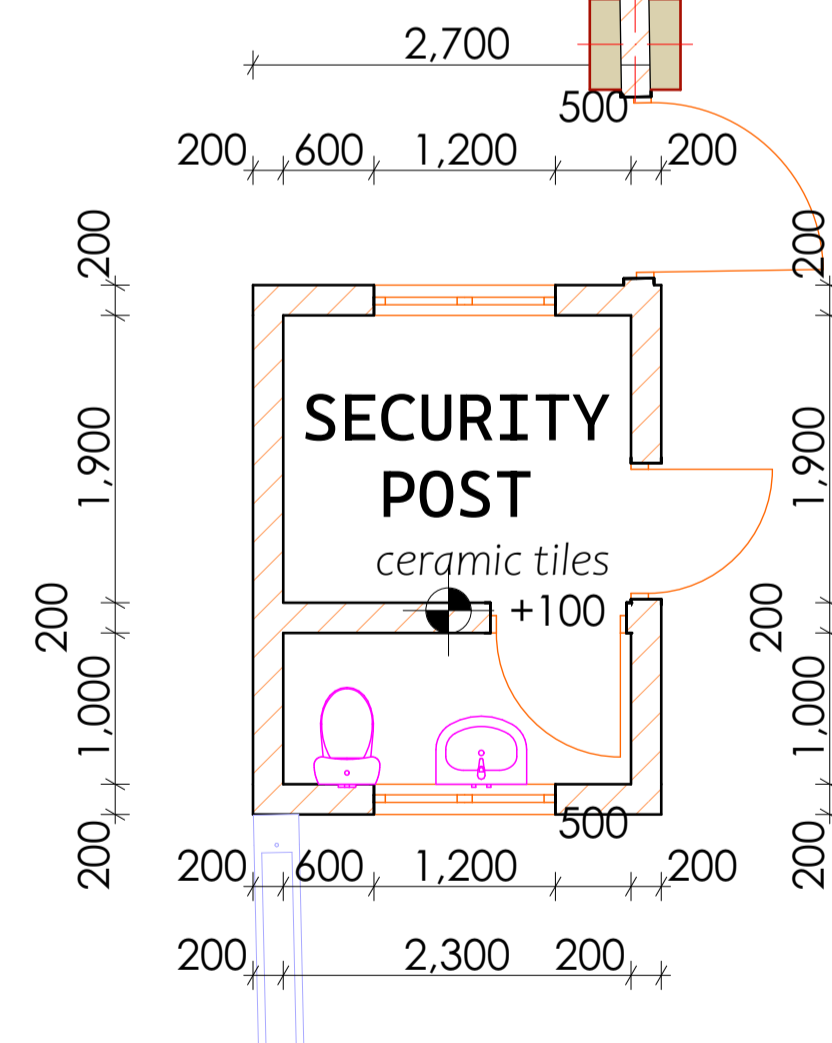
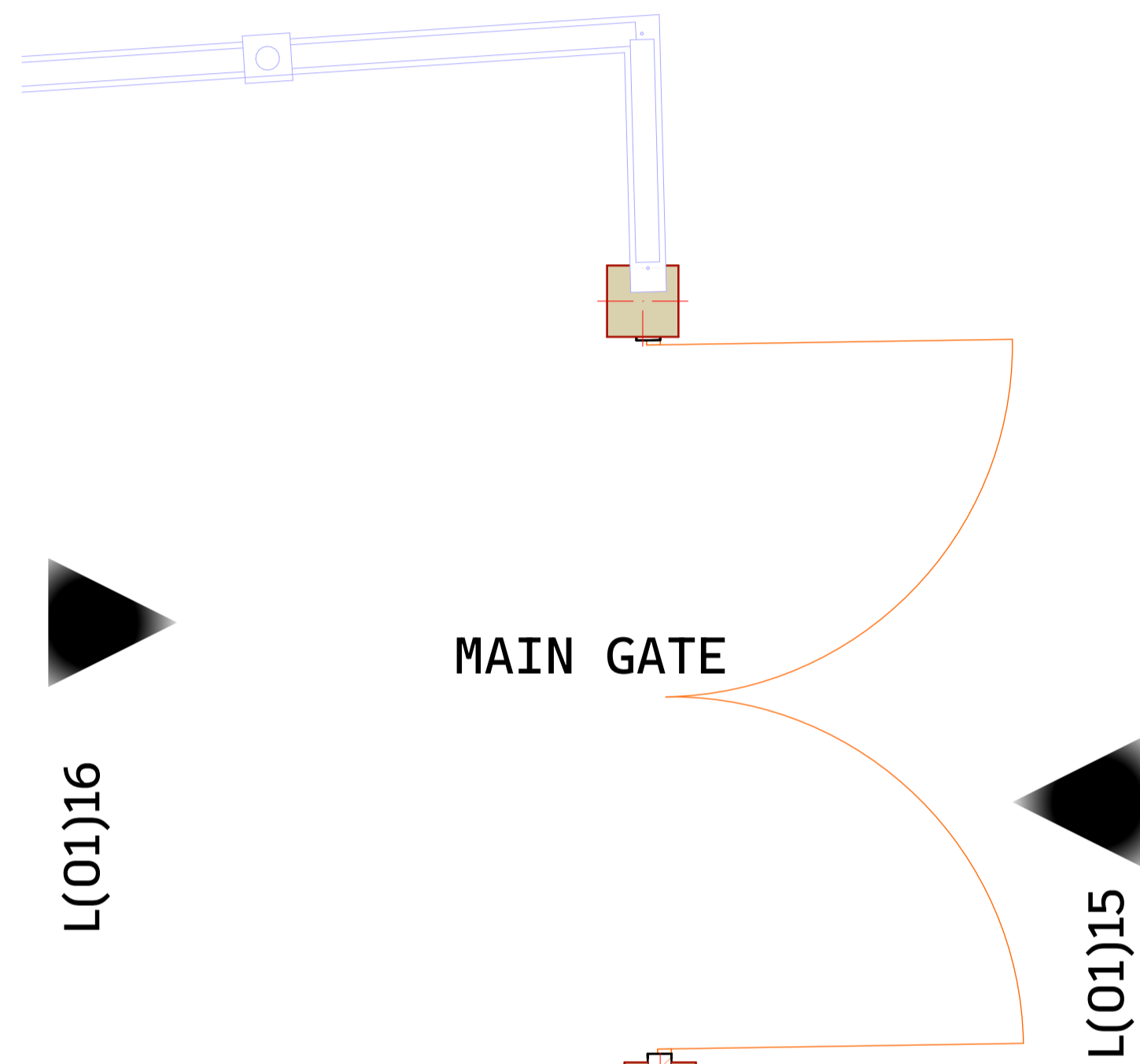
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Rev.	By	Description	Sign	Date

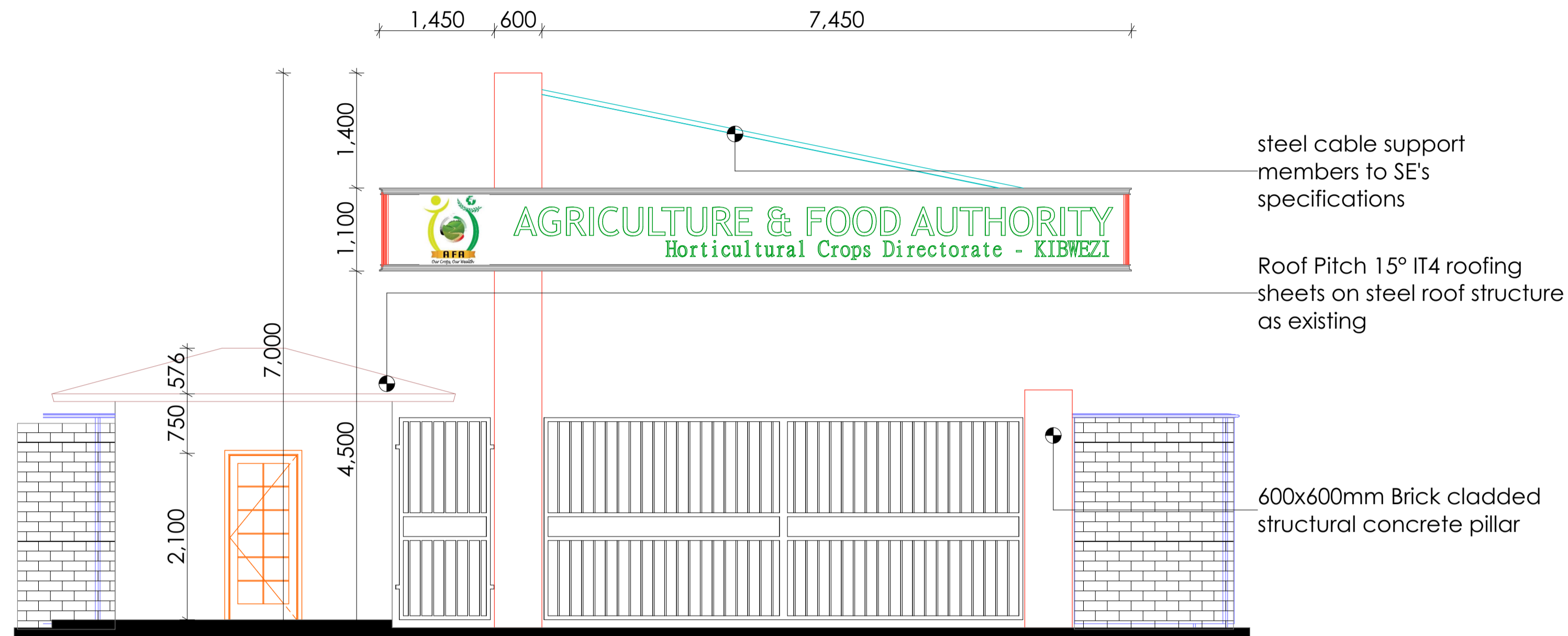
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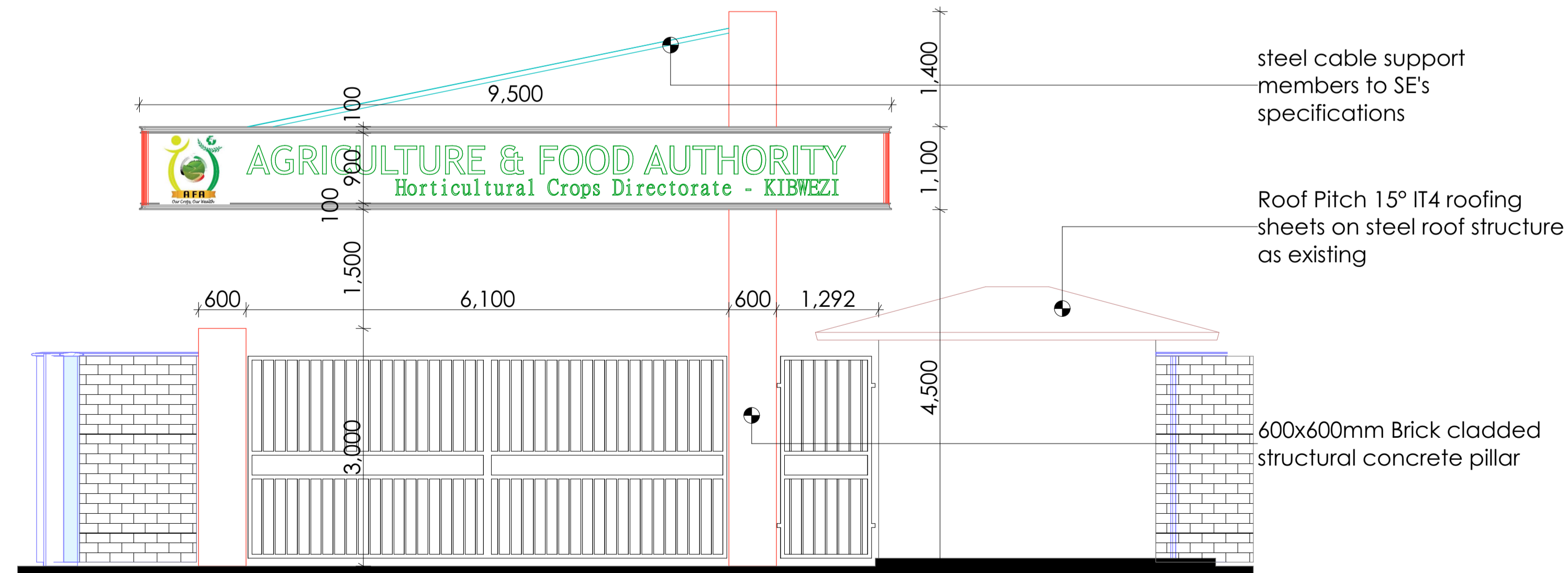
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DEVELOPMENT: PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.			
DRAWING TITLE: PROPOSED WASHROOM BLOCK PLAN, SECTION AND ELEVATION DRAWINGS			
SCALES AS SHOWN	DATE 17/01/25	DRAWN FSZ	CHECKED AMM
PROJECT NO. SE/002/2025	DRAWING NO. SE/002/2025/002	REVISION 01	



L(01)14 GATE HOUSE FLOOR PLAN



L(01)15 GATE HOUSE ELEVATION



L(01)16 GATE HOUSE ELEVATION

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DEVELOPMENT
PROPOSED REHABILITATION OF KIBWEZI
PACKHOUSE.

DRAWING TITLE
GATE HOUSE PLAN AND ELEVATION DRAWINGS

SCALES	DATE	DRAWN	CHECKED
1:50	17/01/25	FSZ	AMM
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SE/002/2025	SE/002/2025/002	01	

FINISHES SCHEDULE

SECTION	SPACE	NUMBER	AREA	FLOOR FINISH	WALL FINISH	CEILING FINISH
OFFICE BLOCK	OPEN PLAN GENERAL OFFICE	01	50m ²	Porcelain Tiles	Paint and Plaster	Acoustic Ceiling Panels
	ENTRANCE LOUNGE & SECRETARY	01	13m ²	Porcelain Tiles	Paint and Plaster	Acoustic Ceiling Panels
	RADIO ROOM	01	8.7m ²	Porcelain Tiles	Paint and Plaster	Acoustic Ceiling Panels
	COMPUTER ROOM	01	12.2m ²	Porcelain Tiles	Paint and Plaster	Acoustic Ceiling Panels
	QUALITY EXTENSION OFFICE	01	25m ²	Porcelain Tiles	Paint and Plaster	Acoustic Ceiling Panels
	TEAROOM & KITCHENETTE	01	6.7m ²	Porcelain Tiles	Paint and Plaster	Acoustic Ceiling Panels
	DEPUTY HEAD OFFICE	01	17.8m ²	Porcelain Tiles	Paint and Plaster	Acoustic Ceiling Panels
	SECRETARY	01	6.7m ²	Porcelain Tiles	Paint and Plaster	Acoustic Ceiling Panels
	WASHROOMS	01	16m ²	Ceramic Tiles	Paint and Plaster	Acoustic Ceiling Panels
WAREHOUSE BLOCK	GRADING AND PACKAGING	01	284m ²	Concrete Screed	Paint and Plaster	-
	COOLING ROOMS	02	40m ²	Concrete Screed	Paint and Plaster	-
	STANDBY GENERATOR ROOM	01	22m ²	Concrete Screed	Paint and Plaster	-
	SPARE PARTS STORE	01	29m ²	Concrete Screed	Paint and Plaster	-
	CRATE STORE	01	35.3m ²	Concrete Screed	Paint and Plaster	-
	LOADING AND OFFLOADING BAY	01	104.3m ²	Concrete Screed	Paint and Plaster	-
ABLUTION BLOCK	GENTS & LADIES	01	99.8m ²	Terazzo Floor	30x30 white tiles	-
GATE HOUSE	WATCH ROOM	01	4.4m ²	Terazzo Floor	Paint and Plaster	-
	WASHROOMS	01	2.3m ²	Terazzo Floor	30x30 white tiles	-

Rev.


By

Description

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NAIROBI, KENYA

DEVELOPMENT

PROPOSED REHABILITATION OF KIBWEZI

PACKHOUSE.

DRAWING TITLE

FINISHES SCHEDULE

SCALES

N/A

DATE

17/01/25

DRAWN

FSZ

CHECKED

AMM

PROJECT NO.

SE/002/2025

DRAWING NO.

SE/002/2025/002

REVISION

01

STRUCTURAL DRAWINGS

Client:



TRADEMARK AFRICA

P.O BOX313-00606

NAIROBI, KENYA.

Consultant:



APEX SYSTEMS CONSULTING GROUP LTD,

P.O BOX 38900-00100,

NAIROBO, KENYA.

GENERAL NOTES

- 1. DIMENSIONS IN mm, LEVELS IN METRES.
- 2. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THE DRAWING.
- 3. ALL STRUCTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH THESE NOTES UNLESS OTHERWISE SPECIFIED.

CONCRETE:

- 1. REINFORCED CONCRETE TO BE GRADE 40 TO BS 8110.
- 2. BLINDING CONCRETE TO BE GRADE 15 TO B.S 8110.
- 3. MAXIMUM AGGREGATE SIZE IS 20MM.
- 4. MAXIMUM FREE WATER/CEMENT RATIO IS 0.5.
- 5. FOUNDATIONS TO BE APPROVED BY THE ENGINEER BEFORE BLINDING.
- 6. MASONRY SHALL EITHER BE PRECAST MASONRY TO B.S 6073 PART 1 OR NATURAL STONE.
- 7. FOUNDATIONS DEPTH TO BE DETERMINED ON SITE.
- 8. COVER TO MAIN REINFORCEMENT SHALL BE :
FOUNDATIONS-----50mm ALL FACES
COLUMNS----- 40mm ALL FACES
SLABS----- 20mm TOP AND BOTTOM
GROUND FL. BMS.- 50mm ALL FACES
COLS. BELOW FDN.- 50mm ALL FACES
OTHER BEAMS (FB/RB)-20mm ALL FACES
- 9. HOOP IRON TO BE PLACED ON EVERY OTHER COURSE AND BONDED TO THE REINFORCED CONCRETE COLUMNS.
- 10. ALL STRUCTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH THESE NOTES UNLESS OTHERWISE SPECIFIED.
- 11. DAMP PROOF COURSES TO BS 743, SEALANTS MASTICS & OTHER MATERIALS FOR EXPANSION JOINTS TO BS 3712 & 4254
- 12. REINFORCEMENT LAP LENGTHS ARE TO BE:
TENSION REINFORCEMENT- 50 TIMES DIAMETER OF SMALLER LAPPED BAR
COMPRESSION REINFORCEMENT- 50 TIMES DIAMETER OF SMALLER LAPPED BAR
- 13. MORTAR IS TO BE 1:4 CEMENT:SAND.

ABBREVIATIONS:

- EF.....BARS IN EACH FACE OF THE WALL.
- FF.....BARS IN FAR FACE OF THE WALL.
- NF.....BARS IN NEAR FACE OF THE WALL.
- UB.....U - SHAPED BARS.
- T1.....TOP BARS 1ST LAYER
- T2.....TOP BARS 2ND LAYER
- B1.....BOTTOM BARS 1ST LAYER
- B2.....BOTTOM BARS 2ND LAYER
- DRIBBED TWISTED HIGH TENSILE BARS
- RROUND MILD BARS
- RCREINFORCED CONCRETE

STEEL WORKS

- 1. STRUCTURAL STEELWORKS TO BE IN ACCORDANCE WITH B.S 5950.
- 2. WELDING TO BE IN ACCORDANCE WITH B.S 5135
- 3. STEEL QUALITY SHALL BE GRADE43C TO B.S 4360
- 4. BOLTS QUALITY SHALL BE GRADE 46 TO B.S 4360
- 5. STEEL PIPES TO B.S 534 ; R.H.S TO B.S 4360
- 6. ALL STEELWORKS TO BE PRIMED WITH RED OXIDE BEFORE FIXING.
- 7. REINFORCEMENT BARS TO COMPLY WITH B.S 4461

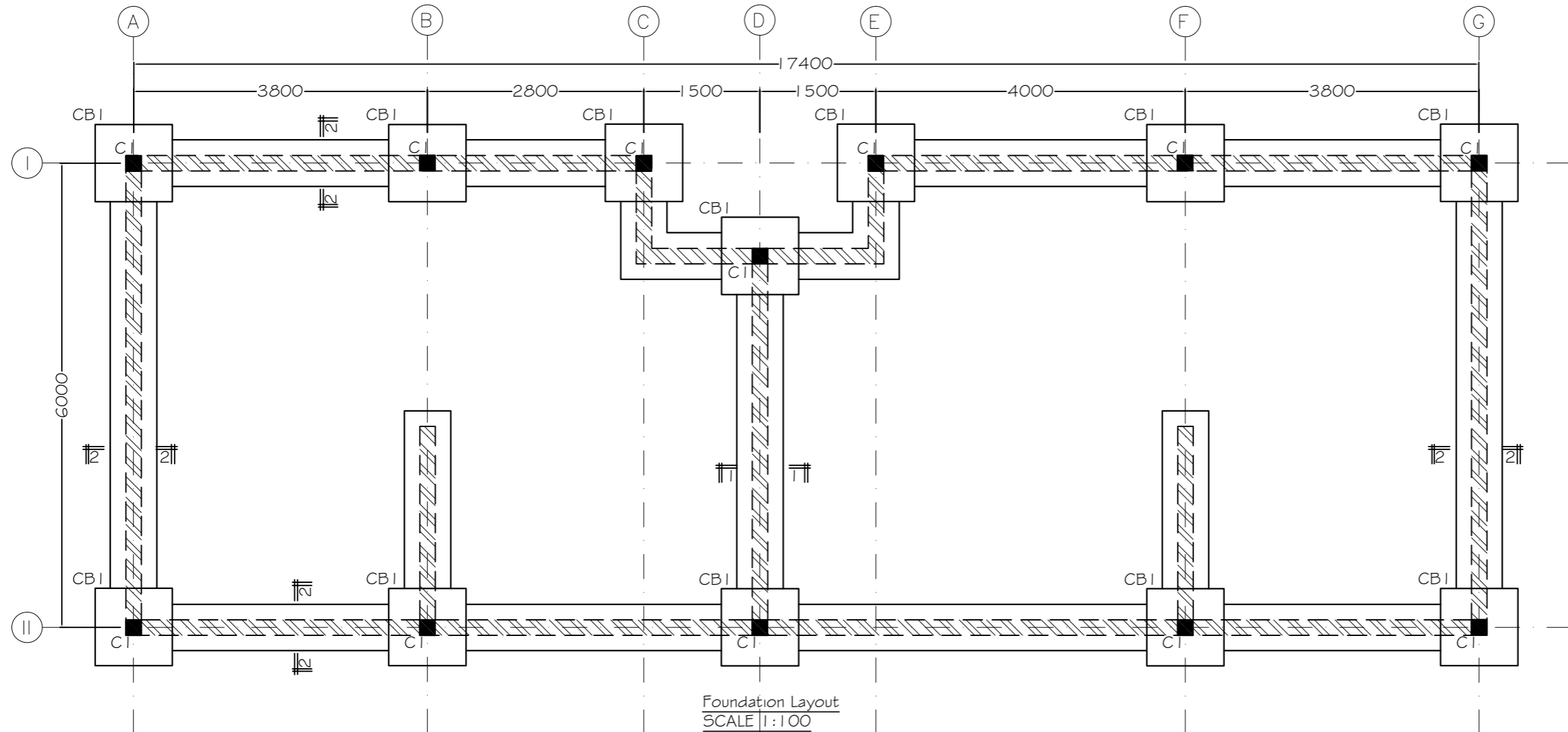
CIVIL WORKS:

- 1. THIS DRAWING IS TO BE READ WITH THE MAIN LAYOUT DRAWINGS & ARCHITECTURAL DRAWINGS
- 2. ALL DIMENSIONS AND SETTING-OUT DATA SHALL BE IN ACCORDANCE WITH THE SITE PLAN ; AND ARE TO BE READ NOT SCALED.
- 3. COMPACTION PLANT TO BE APPROVED BY THE ENGINEER.
- 4. ALL PRECAST CONCRETE PIPES AND FITTINGS TO BE JOINTED AND TESTED ACCORDING TO BS 5911.
- 5. KERBS AND CHANNELS TO BE NATURALLY COLOURED PRECAST CONCRETE.
- 7. RAIN WATER PIPES FROM THE GULLY TRAPS TO THE INSPECTION CHAMBERS AND INSPECTION CHAMBERS TO THE TRUNK STORM WATER DRAIN SHALL OF SIZE 100 & 150 mm uPVC PIPES IN CONCRETE SURROUND RESPECTIVELY.
- 8. GULLY TRAPS AND INSPECTION CHAMBERS SHALL BE OF SIZE 150x150 & 450x600mm INTERNALLY RESPECTIVELY.

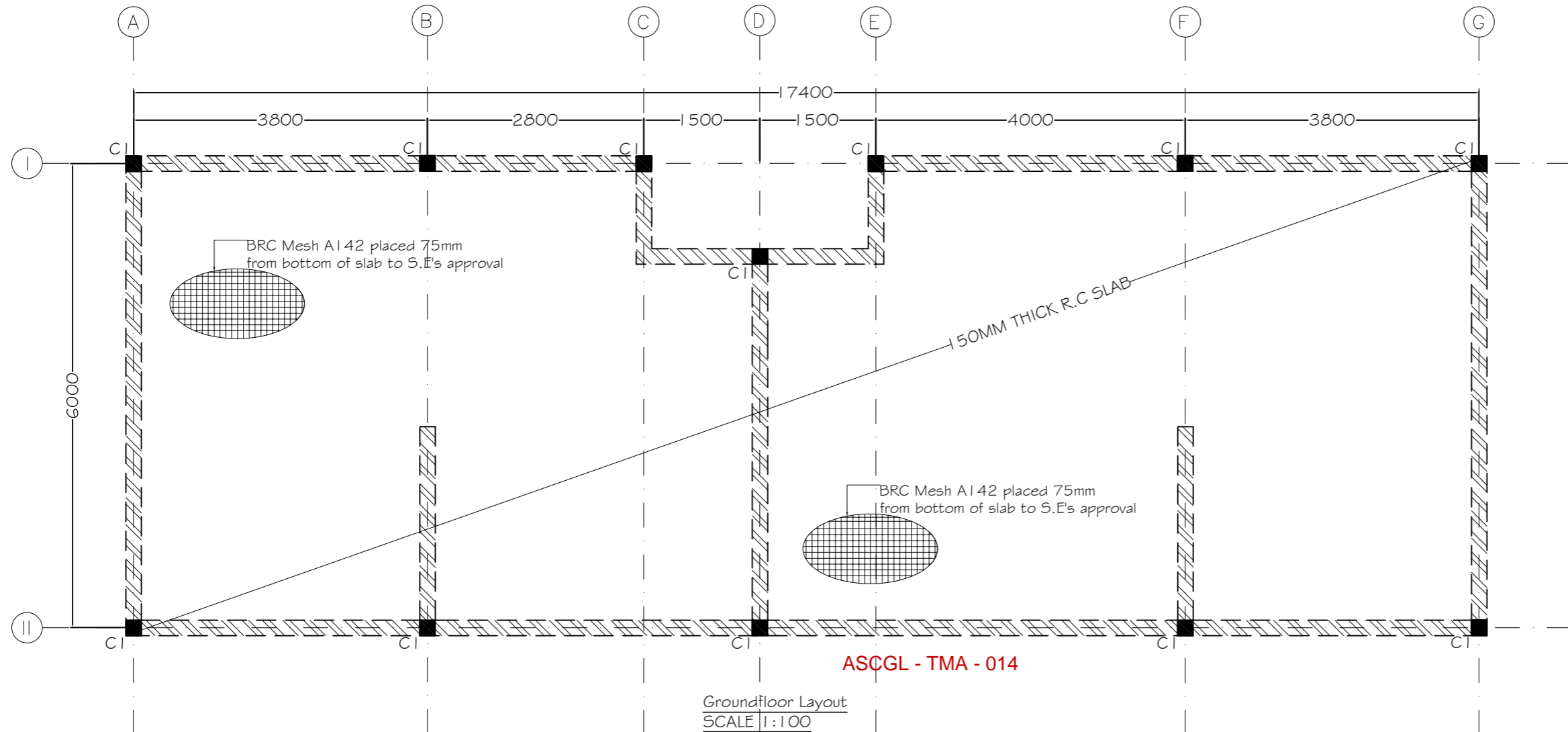
TIMBER WORKS:

- 1. ALL TIMBER TO BE SAWN CYPRESS OF 2ND STRENGTH. GRADE (KENYA EXPORT OF TIMBER RULES) SEASONED TO AN EQUILIBRIUM CONTENT OF BETWEEN 9 & 15%
- 2. ALL TIMBER TO BE PRESERVATIVE TREATED IN ACCORDANCE WITH THE M.O.P.W GENERAL SPECIFICATION FOR BUILDING WORKS (1976)
- 3. ALL NAILS TO BE ORDINARY ROUND WIRE NAILS 65mm LONG x 3.4mm DIAMETER.

Rev.	By	Description	Sign	Date
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CLIENT				
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DEVELOPMENT				
PROPOSED WASHROOM BLOCK FOR KIBWEZI PACKHOUSE				
DRAWING TITLE				
NOTES				
SCALES		DATE	DRAWN	CHECKED
AS SHOWN		17/01/25	F52	AMM
PROJECT NO.		DRAWING NO.		REVISION
SE/002/2025		SE/002/2025/001		01



Foundation Layout
SCALE 1:100



Groundfloor Layout
SCALE 1:100

ASCGI - TMA - 014

FOUNDATION NOTES:

- Excavations for foundations shall be carried out by mechanical means, except for the last 200mm of excavation, which is to be carried out by manual methods.
- Assumed safe bearing pressure below pad and strip foundation is 500 kN/m² at the depth shown on the drawings, should a suitable bearing layer not be found at the depth shown the excavation shall be continued down to a depth deemed suitable by the engineer.
- Back filling of the excavations shall be with approved granular material, shown on the drawings.
- Formation levels of foundations shall be determined by the engineer based upon existing road levels, water table level, Services requirements, and shall be subject to a minimum depth as shown on this drawing. Should the formation levels of two or more foundations adjacent to each other be different, the difference in level is to be made up by concrete grade 20 (i.e. the area shall be excavated to the formation level of the lower foundation and a thicker blinding used for the foundation having the higher formation level.)
- Floor finish on cement screed on 150mm thick r.c. slab
On 1000-gauge polythene Sheeting on murrum blinding on 300mm well compacted hardcore strip foundation depth to be determined on site.
- 600X200mm strip foundation, depth to be determined on site

NOTES

- Reinforced concrete to be grade 25(1:1.5:3)
- Blinding concrete to be grade 15(1:3:6) to B.S 8110.
- Maximum aggregate size is 20mm.
- Maximum free water/cement ratio is 0.5.
- Reinforcement to be approved by the Engineer before concreting.
- Masonry shall either be pre-cast masonry to B.S 6073 part 1 or natural stone.
- Cover to main reinforcement shall be:
Columns----- 30 mm all faces
Slabs----- 25 mm top and bottom
Ground fl. Beams. - 50 mm all faces
Other beams (fb/rb)-25 mm all faces
- Hoop iron to be placed on every other course and bonded to the reinforced concrete
- All structural drawings to be read in conjunction with these notes unless otherwise specified.
- Damp proof courses to BS 743, sealant mastics & other materials for expansion joints to BS 3712 & 4254
- Reinforcement lap lengths are to be:
tension reinforcement-50 times
diameter of smaller lapped bar,
compression reinforcement-50 times
diameter of smaller
- Mortar is to be 1:4 cement: sand.

Rev.	By	Description	Sign	Date
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Gate 1, Makanda Drive Along Langata South Road,
Karen
P.O. Box 38900-00100, Nairobi GPO
Tel:020-2738032/34. Fax:020-2730072.
E-MAIL: info@apexsystemsco.com

CLIENT

TRADEMARK AFRICA,
2ND FLR, FIDELITY INSURANCE CENTRE, WESTLANDS,
P.O. BOX 313-00606,
NAIROBI, KENYA

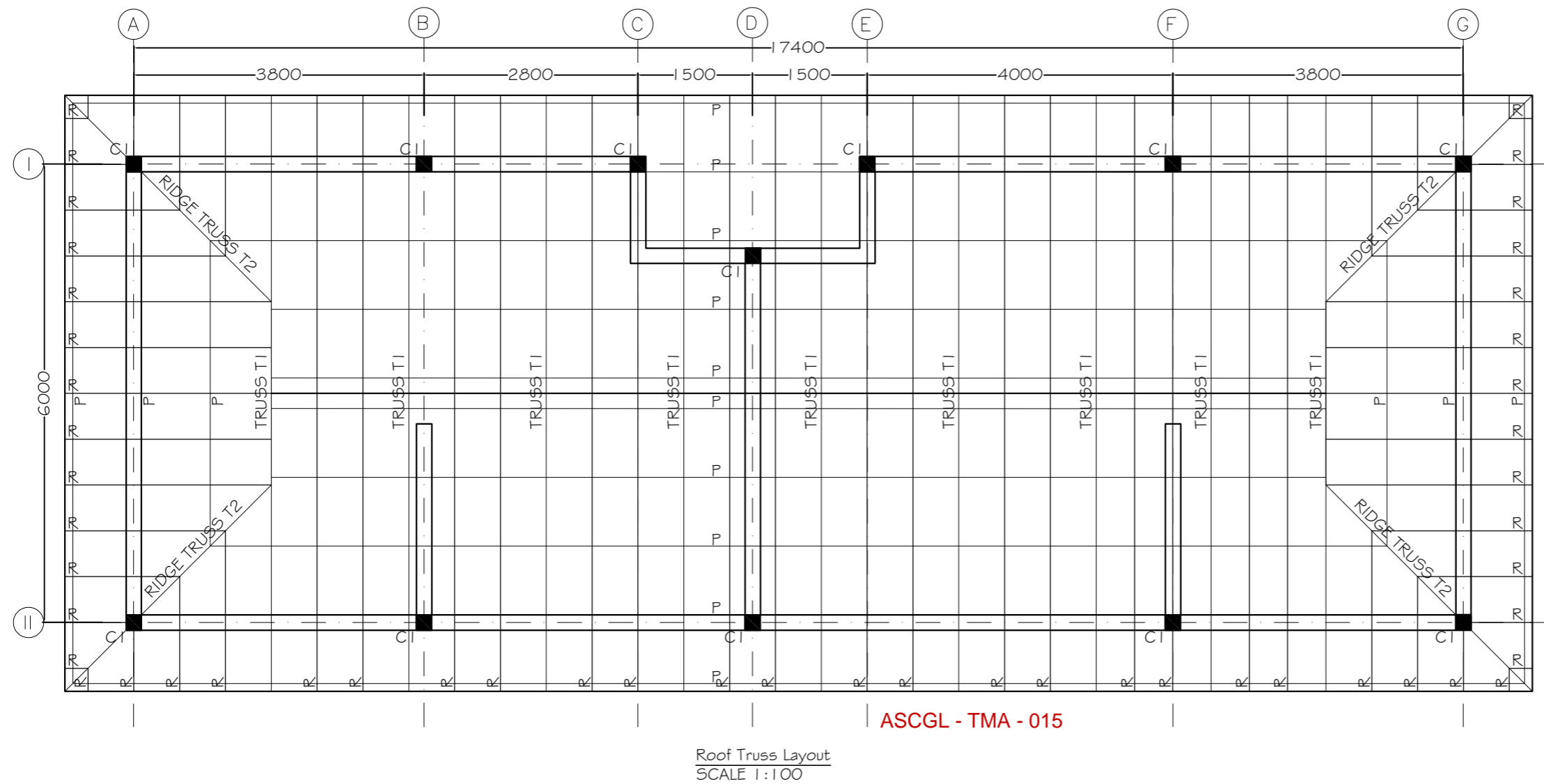
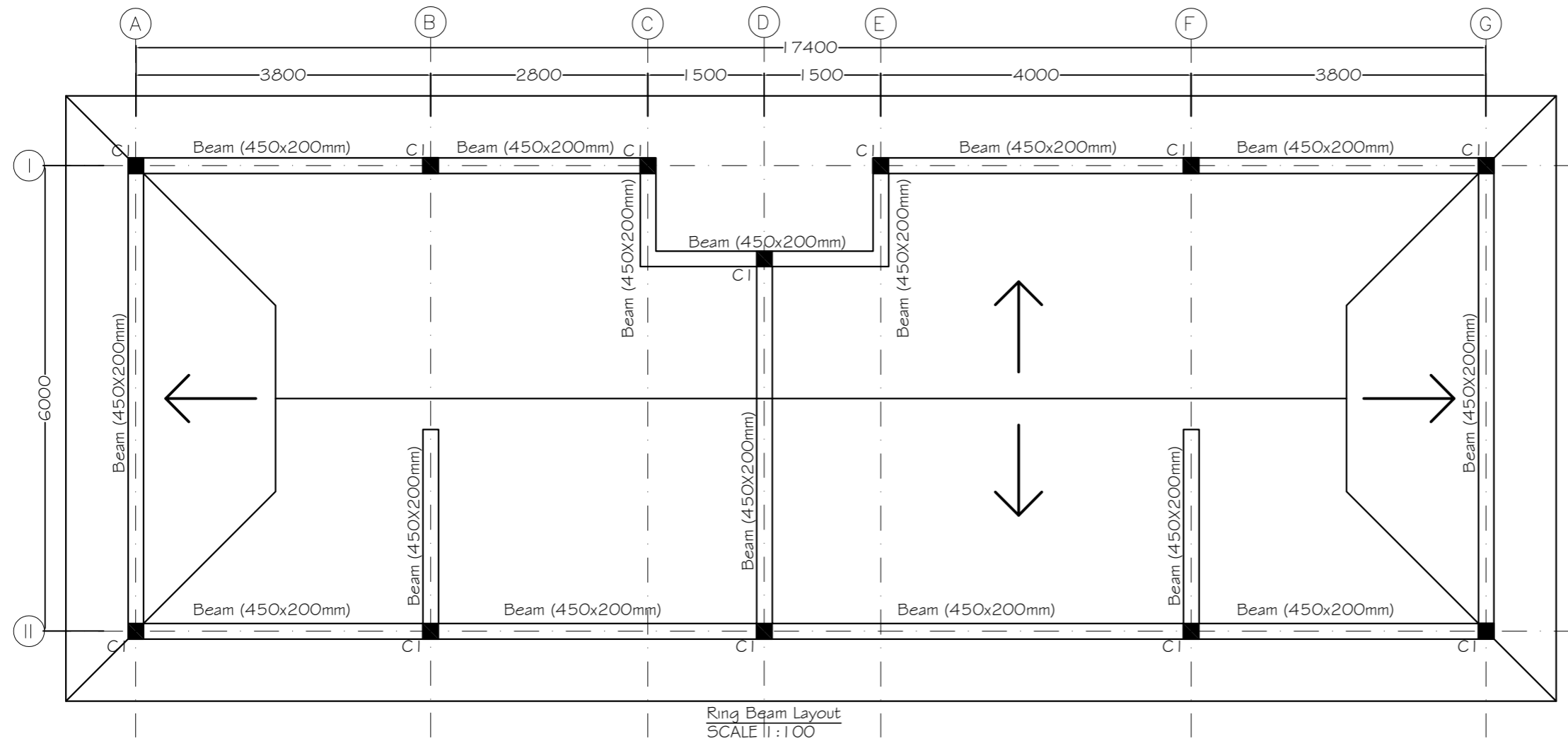
DEVELOPMENT

PROPOSED WASHROOM BLOCK FOR KIBWEZI
PACKHOUSE

DRAWING TITLE

FOUNDATION AND GROUND FLOOR LAYOUTS

SCALES	DATE	DRAWN	CHECKED
AS SHOWN	17/01/25	FS2	AMM
PROJECT NO.	DRAWING NO.	REVISION	
SE/002/2025	SE/002/2025/002	01	




ASGL - TMA - 015

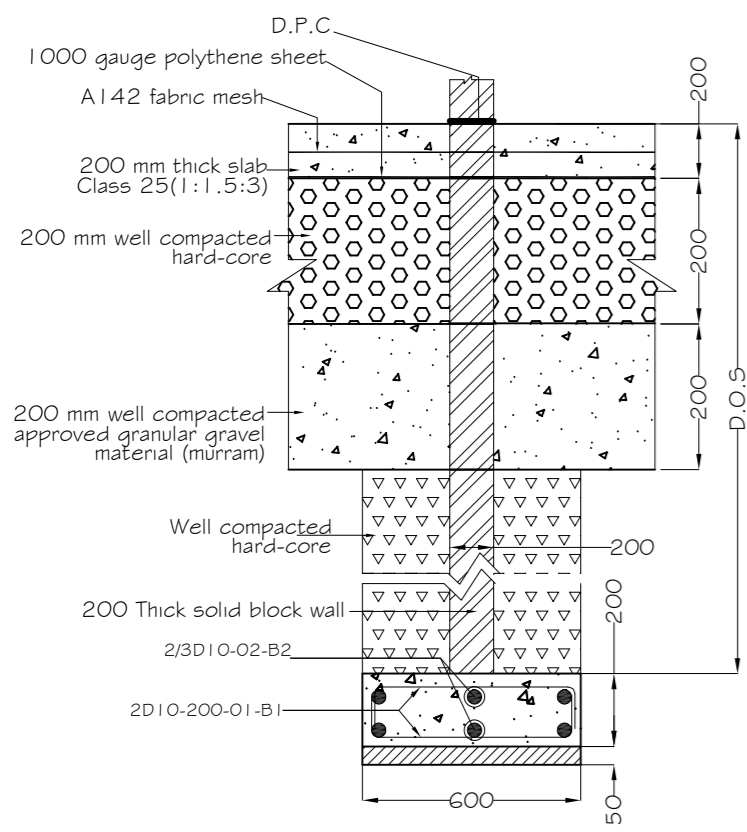
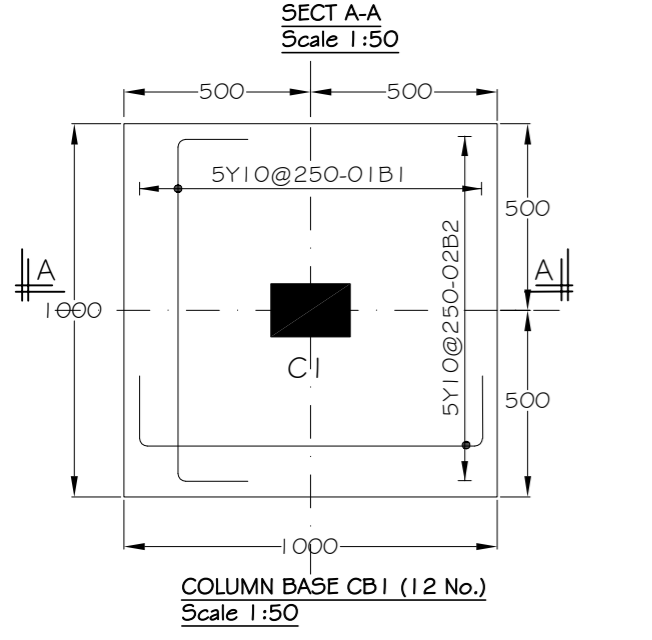
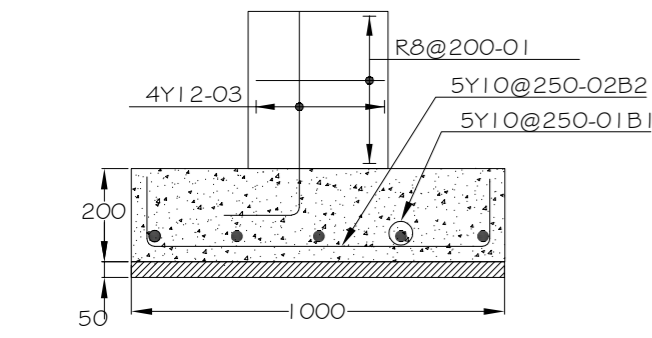
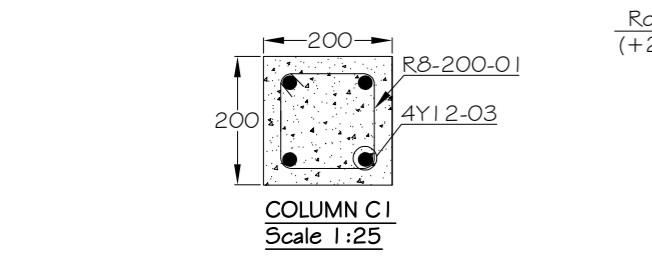
- NOTES
1. Reinforced concrete to be grade 25(1:1.5:3)
 2. Blinding concrete to be grade 15(1:3:6) to B.S 8110.
 3. Maximum aggregate size is 20mm.
 4. Maximum free water/cement ratio is 0.5.
 5. Reinforcement to be approved by the Engineer before concreting.
 6. Masonry shall either be pre-cast masonry to B.S 6073 part 1 or natural stone.
 7. Cover to main reinforcement shall be:
Columns----- 30 mm all faces
Slabs----- 25 mm top and bottom
Ground fl. Beams. - 50 mm all faces
Other beams (fb/rb)-25 mm all faces
 8. Hoop iron to be placed on every other course and bonded to the reinforced concrete
 9. All structural drawings to be read in conjunction with these notes unless otherwise specified.
 10. Damp proof courses to BS 743, sealant mastics & other materials for expansion joints to BS 3712 & 4254
 11. Reinforcement lap lengths are to be:
tension reinforcement-50 times diameter of smaller lapped bar,
compression reinforcement-50 times diameter of smaller
 12. Mortar is to be 1:4 cement: sand.

- ROOF NOTES.
1. Timber rafters spaced @max 600mm c/c.
 2. Timber Trusses spaced @max 1800mm C/C
 3. Timber purlins size 150x50mm
 4. Timber rafters size 150x50mm
 5. Timber Trusses top & bottom chord size 150x50mm
 6. Timber Struts & ties size 150 x 50 mm
 7. Timber Wall Plate size 150 x 50mm
 8. Roof Pitch 25°
 9. King Post Size 150 x 50 mm

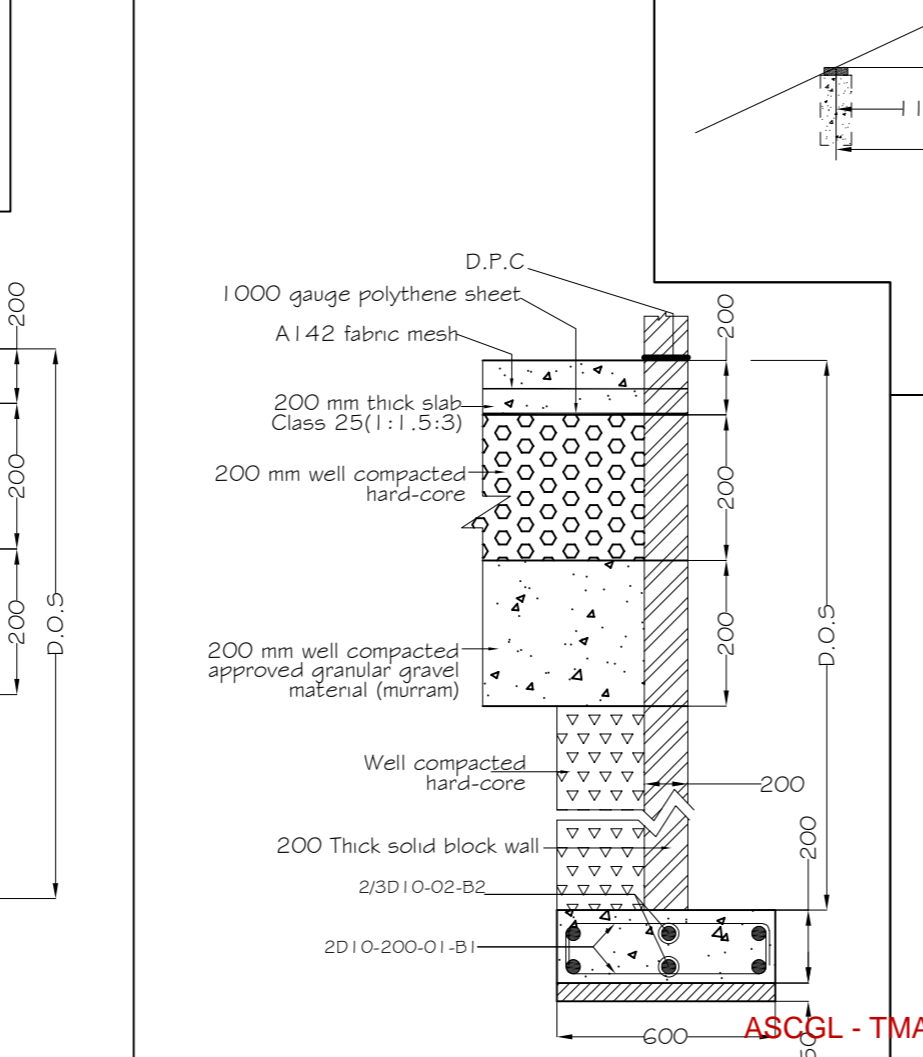
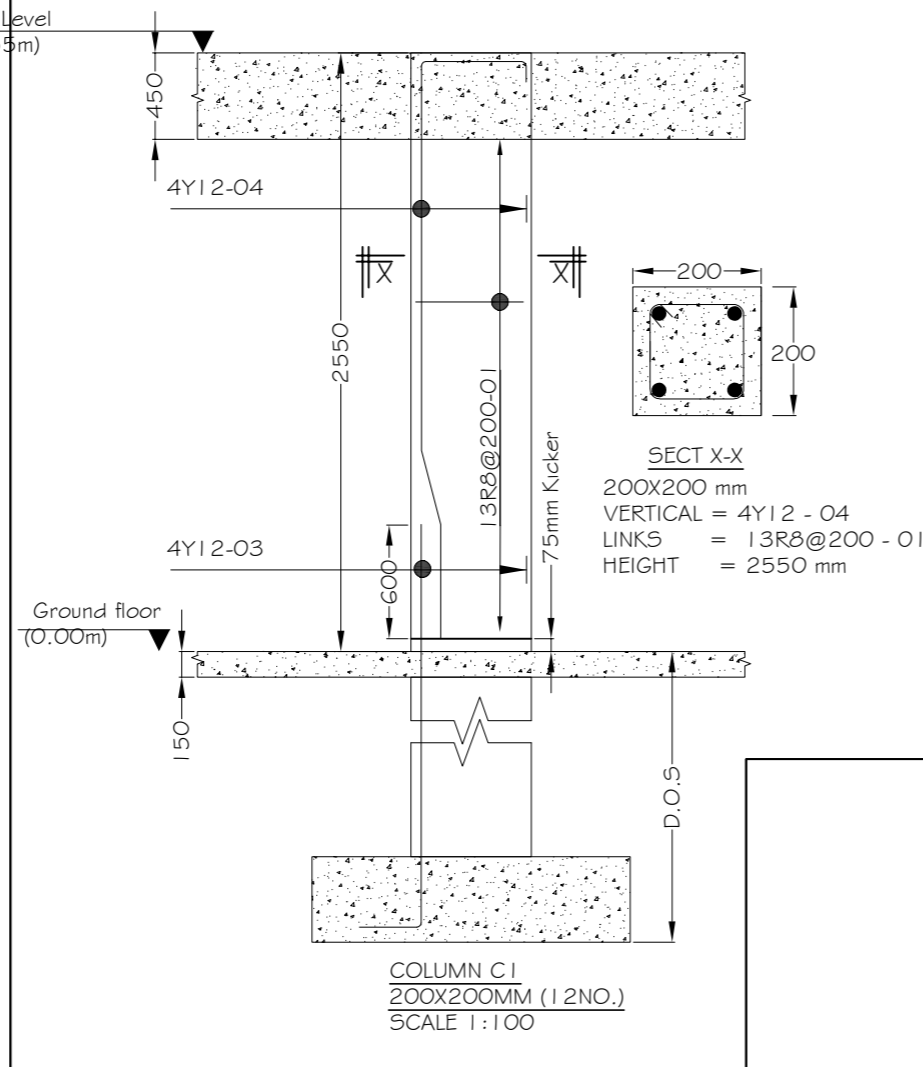
LEGEND

- P-Purlin
R-Rafter
TR-Truss

Rev.	By	Description	Sign	Date	
CONSULTANT					
<div><div>APEX SYSTEMS Consulting Group Ltd. Gate 1, Makanda Drive Along Langata South Road, Karen P.O. Box 38900-00100, Nairobi GPO Tel:020-2738032/34. Fax:020-2730072. E-MAIL: info@apexsystemscg.com</div></div>					
CLIENT					
TRADEMARK AFRICA, 2 ND FLR, FIDELITY INSURANCE CENTRE, WESTLANDS, P.O. BOX 313-00606, NAIROBI, KENYA					
DEVELOPMENT					
PROPOSED WASHROOM BLOCK FOR KIBWEZI PACKHOUSE					
DRAWING TITLE					
RING BEAM AND ROOF TRUSS LAYOUT					
SCALES		DATE	DRAWN	CHECKED	
AS SHOWN		17/01/25	FSZ	AMM	
PROJECT NO.		DRAWING NO.		REVISION	
SE/002/2025		SE/002/2025/003		01	



STRIP FOUNDATION SECTION 1-1 DETAILS
SCALE 1:25



STRIP FOUNDATION SECTION 2-2 DETAILS
SCALE 1:25

SCHEDULE OF COLUMNS

Column Type	Column Size	No.of Columns
C 1	200 X 200 mm	12

SCHEDULE OF COLUMN BASES

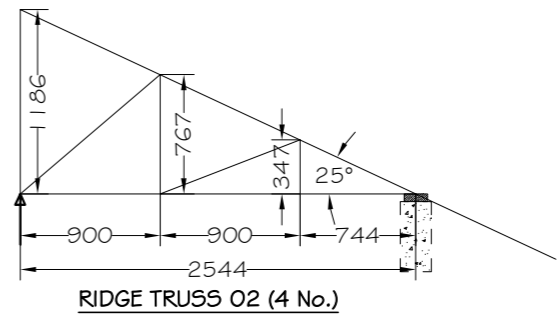
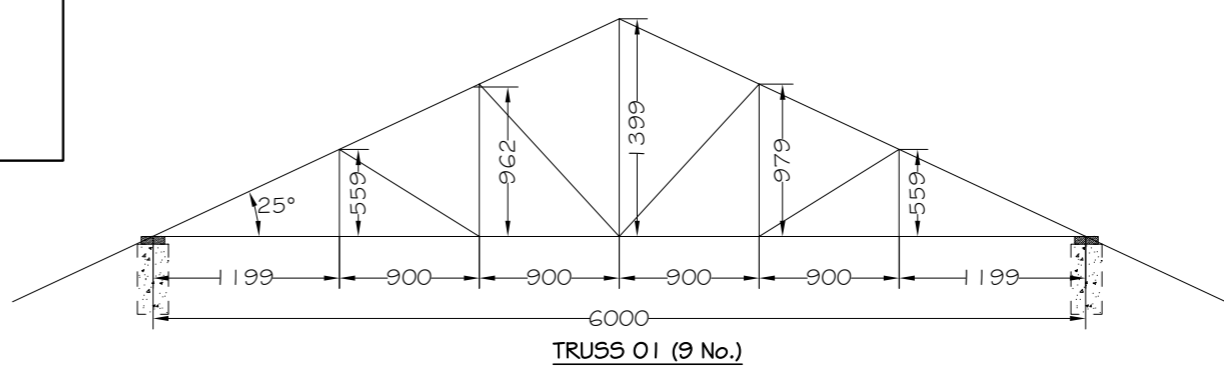
Column Type	Column Base Size	No.of Column Bases
CB 1	1000 X 1000 X 200mm	12

- NOTES
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 - Blinding concrete to be grade 15(1:3:6) to B.S 8110.
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 - Timber Wall Plate size 150 x 50mm
 - Roof Pitch 25°
 - King Post Size 150 x 50 mm

LEGEND

- P-Purlin
R-Rafter
TR-Truss



Rev.	By	Description	Sign	Date

CONSULTANT

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CLIENT

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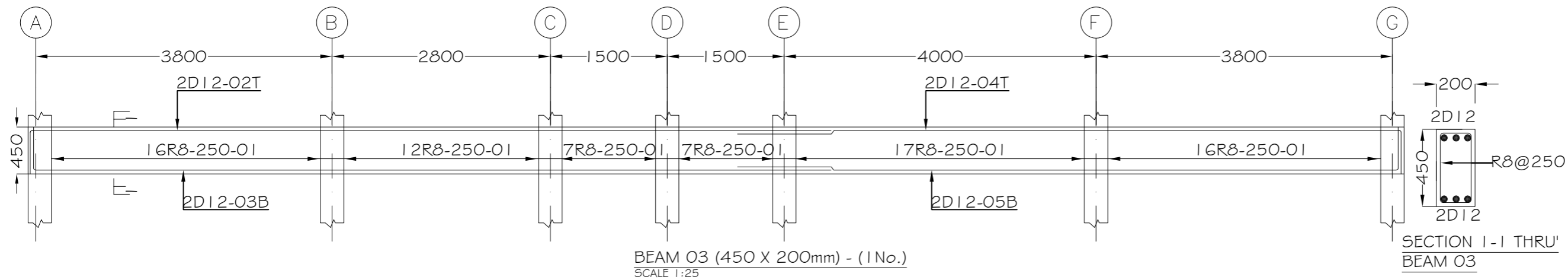
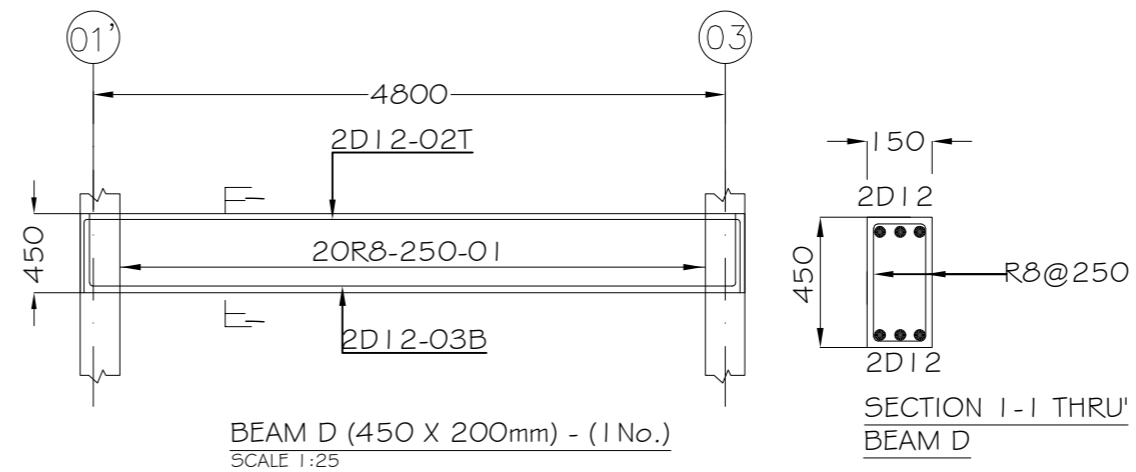
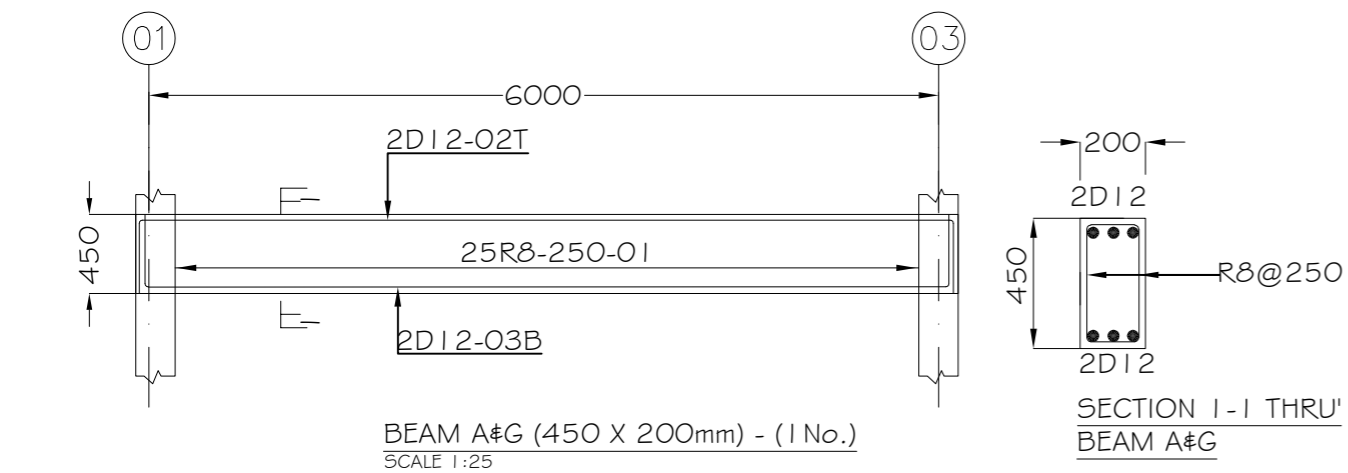
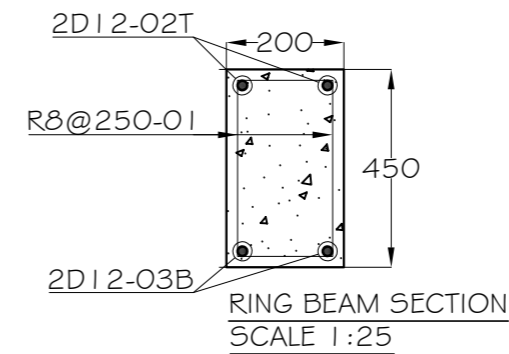
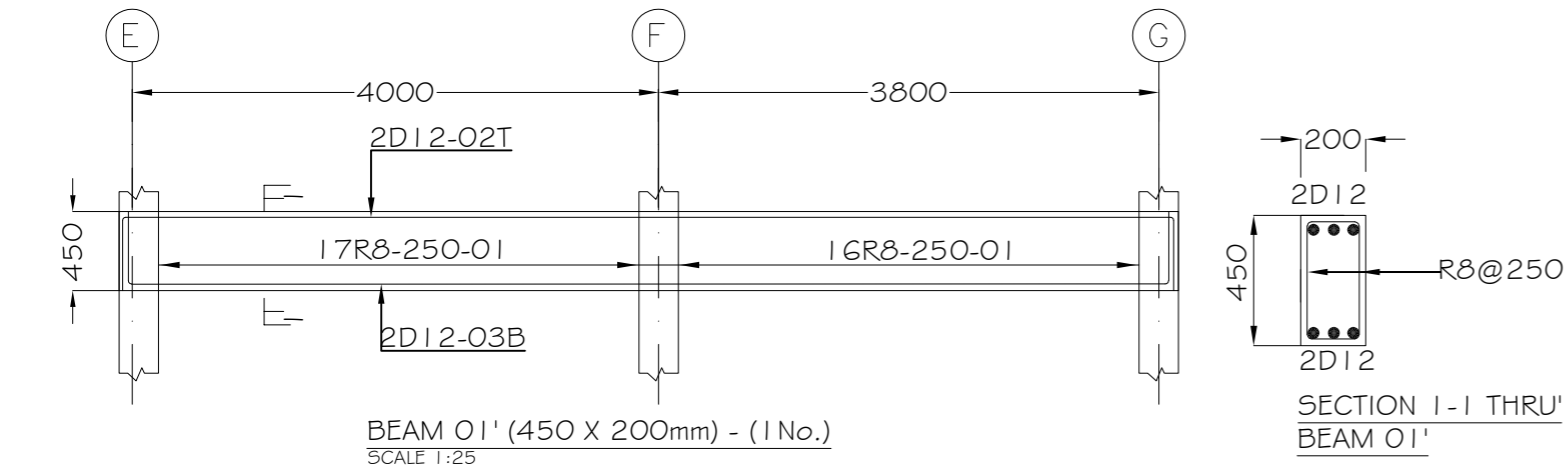
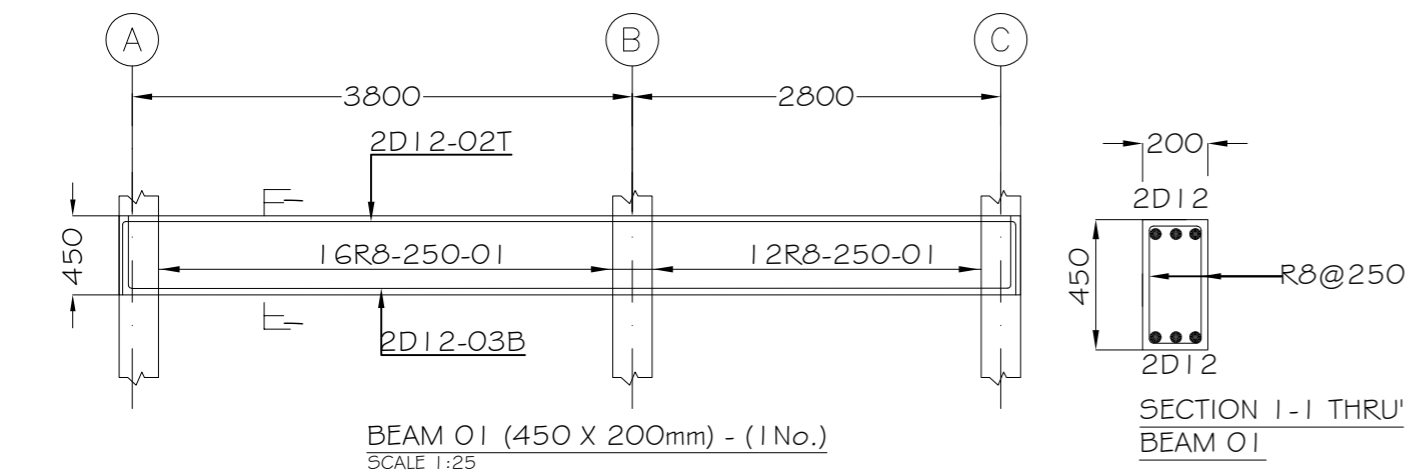
DEVELOPMENT

PROPOSED WASHROOM BLOCK FOR KIBWEZI
PACKHOUSE

DRAWING TITLE

COLUMN, COLUMN BASE, STRIP FOOTING AND TRUSS
DETAILS

SCALES	DATE	DRAWN	CHECKED
AS SHOWN	17/01/25	F52	AMM
PROJECT NO.	DRAWING NO.	REVISION	
SE/002/2025	SE/002/2025/004	01	



ASCG - TMA - 017

NOTES

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Rev.	By	Description	Sign	Date

CONSULTANT



CLIENT

TRADEMARK AFRICA,
2ND FLR, FIDELITY INSURANCE CENTRE, WESTLANDS,
P.O. BOX 313-00606,
NAIROBI, KENYA

DEVELOPMENT
PROPOSED WASHROOM BLOCK FOR KIBWEZI
PACKHOUSE

DRAWING TITLE
RING BEAM DETAILS

SCALES	DATE	DRAWN	CHECKED
AS SHOWN	17/01/25	F52	AMM
PROJECT NO.	DRAWING NO.	REVISION	
SE/002/2025	SE/002/2025/005	01	

MECHANICAL DRAWINGS

Client:



TRADEMARK AFRICA

P.O BOX313-00606

NAIROBI, KENYA.

Consultant:



APEX SYSTEMS CONSULTING GROUP LTD.

P.O BOX 38900-00100,

NAIROBO, KENYA.

PROPOSED KIBWEZI WAREHOUSE

DRAWING LIST		
	DRG No.	DESCRIPTION
1	M-0001	DRAWING LIST
2	M-0002	MECHANICAL SCHEDULE OF SYMBOLS
	M-PL-000	<u>PLUMBING AND FIRE FIGHTING</u>
3	M-PL-01	SITE PLAN EXTERNAL WATER RETICULATION LAYOUT
4	M-PL-02	WAREHOUSE BLOCK -GROUND FLOOR PLUMBING AND FIRE FIGHTING LAYOUT
5	M-PL-03	WASHROOM BLOCK - PLUMBING LAYOUT
	M-DR-000	<u>FOUL DRAINAGE</u>
6	M-DR-01	SITE PLAN EXTERNAL FOUL DRAINAGE LAYOUT
7	M-DR-02	WAREHOUSE BLOCK-GROUND FLOOR FOUL AND STORM DRAINAGE LAYOUT
8	M-DR-03	WASHROOM BLOCK- FOUL AND STORM DRAINAGE LAYOUT
	M-MV-000	<u>MECHANICAL VENTILATION</u>
9	M-MV-01	WAREHOUSE BLOCK-MECHANICAL VENTILATION LAYOUT
10	M-MV-02	WASHROOM BLOCK-WASHROOM EXTRACT LAYOUT
	M-GH-000	<u>GATE HOUSE BLOCK</u>
11	M-GHS-01	MECHANICAL SERVICES LAYOUT
	M-PL-300	<u>PLUMBING SCHEMATICS</u>
12	M-PL-SCH	PLUMBING SCHEMATIC LAYOUT
	M-ID-000	<u>MECHANICAL INSTALATION DETAILS</u>
13	M-IDL-00	MECHANICAL INSTALLATION DETAILS LAYOUT

NOTES

1. All dimensions are in millimeters unless otherwise stated

2. The diameters of the pipes indicated refers to the internal diameters only

3. All Water pipes to be PPRC PN 20 Conforming the current European Standards for PPRC installations.

4. PPRC pipe joints to be by polyfusion or electrical coupling.

5. All valves to be of brass/bronze heavy duty pattern construction as 'peglar'

6. Water Pipes under floor slab, drive ways, walkways, car parks, to be sleeved in heavy duty C or GMS as instructed

7. Exposed hot water pipes to be lagged with minimum 50mm thick fibre glass

8. All drainage pipes above ground to be uPVC 'grey' while those below to be uPVC golden brown

9. All drainage pipes below floor slab, driveways, walkways, car parks to be encased in 150mm concrete surround well cured

10. All pipe-work to run in wall chase,under floor slab,under work tops in ceiling etc. Exposed pipes shall not be acceptable

11. Overflow pipes to discharge at 150mm beyond the wall

12. Stack pipes to rise 600mm above the roof.

01.		
NoRevision/Issue		Date

PROJECT

PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.

CONSULTANT



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PROJECT MANAGERS

TITLE






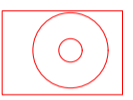
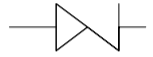


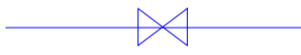
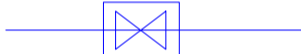





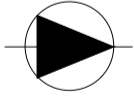

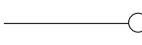
DRAWING LIST

CLIENT

TRADEMARK AFRICA, 2nd FLR, FIDELITY INSURANCE CENTRE,WESTLANDS, P.O.BOX 313-00606, NAIROBI, KENYA

Drg. No. M-0001

Date:	JAN 2025	Drawn by: W.N.F
		Checked by: K.O
Scale:	1:100 A1	Approved by: K.O

PROPOSED KIBWEZI WAREHOUSE			
SCHEDULE OF SYMBOLS		SYMBOLS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
 Co ₂	FIRE EXTINGUISHER - 5 KG/CO ₂	OFP	OVERFLOW PIPE
 W	FIRE EXTINGUISHER - 9 LITRE W/CO ₂	MWS	MAINS WATER SUPPLY
 F	FIRE EXTINGUISHER - 9 LITRE AFF FOAM (AFFF)	HWC	HOT WATER CYLINDER
 DP	FIRE EXTINGUISHER - 9 KG DRY CHEMICAL POWDER (DP)		BALL VALVE
 FB	FIRE BLANKET		NON-RETURN VALVE (CHECK VALVE)
 MB	MANUAL BELL	G.M.S	GALVANIZED MILD STEEL
 FHR	FIRE HOSE REEL	S.W.G	STANDARD WIRE GAUGE
	ISOLATING VALVE (GATE VALVE)	HWS	HOT WATER SUPPLY
	VALVE CHAMBER	PWM	PRESSURIZED WATER MAIN
	FIRE HOSEREEL SERVICE	AV	AUTOMATIC AIR VALVE
	FIRE HYDRANT SERVICE	AZV	AUTOMATIC ZONING VALVE
	PLUMBING COLD WATER	F/A	FROM ABOVE
 	PLUMBING HOT WATER HOT WATER RETURN LINE	F/B	FROM BELOW
	WATER BOOSTER PUMP	T/A	TO ABOVE
FAB	FIRE ALARM BELL	T/B	TO BELOW
PPR	POLYPROPYLENE RANDOM PIPES	H/L	HIGH LEVEL
 FH	FIRE HYDRANT	FE	FIRE EXTINGUISHER
 T/B	VERTICAL DROP TO BELOW		

NOTES

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2. The diameters of the pipes indicated refers to the internal diameters only

3. All Water pipes to be PPRC PN 20 Conforming the current European Standards for PPRC installations.

4. PPRC pipe joints to be by polyfusion or electrical coupling.

5. All valves to be of brass/bronze heavy duty pattern construction as 'peglar'

6. Water Pipes under floor slab, drive ways, walkways, car parks, to be sleeved in heavy duty C or GMS as instructed

7. Exposed hot water pipes to be lagged with minimum 50mm thick fibre glass

8. All drainage pipes above ground to be uPVC 'grey' while those below to be uPVC golden brown

9. All drainage pipes below floor slab, driveways, walkways, car parks to be encased in 150mm concrete surround well cured

10. All pipe-work to run in wall chase, under floor slab, under work tops in ceiling etc. Exposed pipes shall not be acceptable

11. Overflow pipes to discharge at 150mm beyond the wall

12. Stack pipes to rise 600mm above the roof.

01.


NoRevision/Issue

Date

PROJECT

PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.

CONSULTANT



APEX SYSTEMS

Consulting Group Ltd.

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PROJECT MANAGERS

TITLE

MECHANICAL SCHEDULE OF SYMBOLS

CLIENT

TRADEMARK AFRICA, 2nd FLR, FIDELITY INSURANCE CENTRE, WESTLANDS, P.O.BOX 313-00606, NAIROBI, KENYA

Drg. No. M-0002

Date: JAN 2025

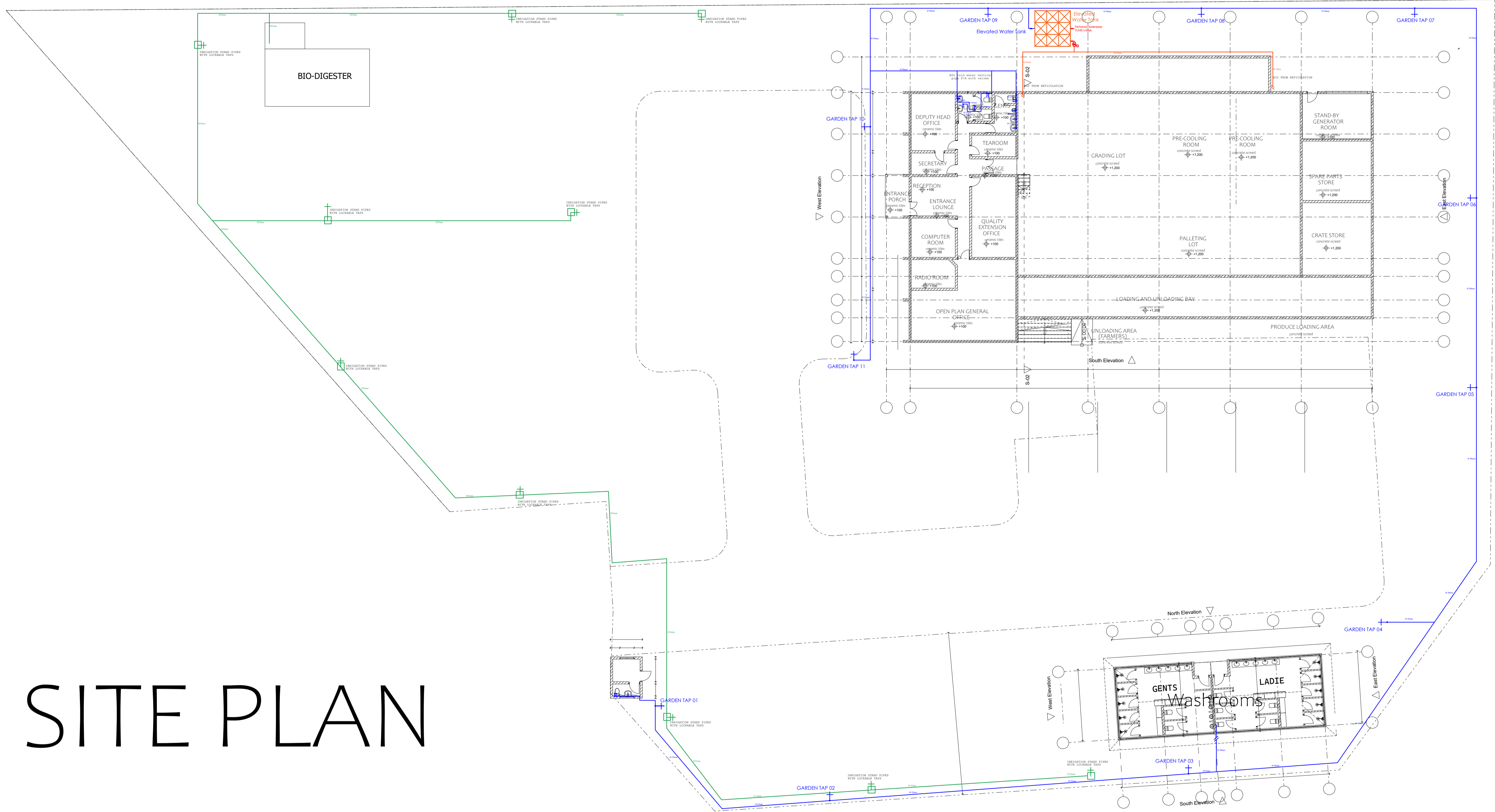
Drawn by: W.N.F

Checked by: K.O

Scale: 1:100 A1

Approved by: K.O

SITE PLAN



NOTES

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01.		
NoRevision/Issue		Date

PROJECT

PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.

CONSULTANT

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P.O.Box 38900-00100, Nairobi GPO
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PROJECT MANAGERS

TITLE

SITE PLAN
EXTERNAL RETICULATION LAYOUT

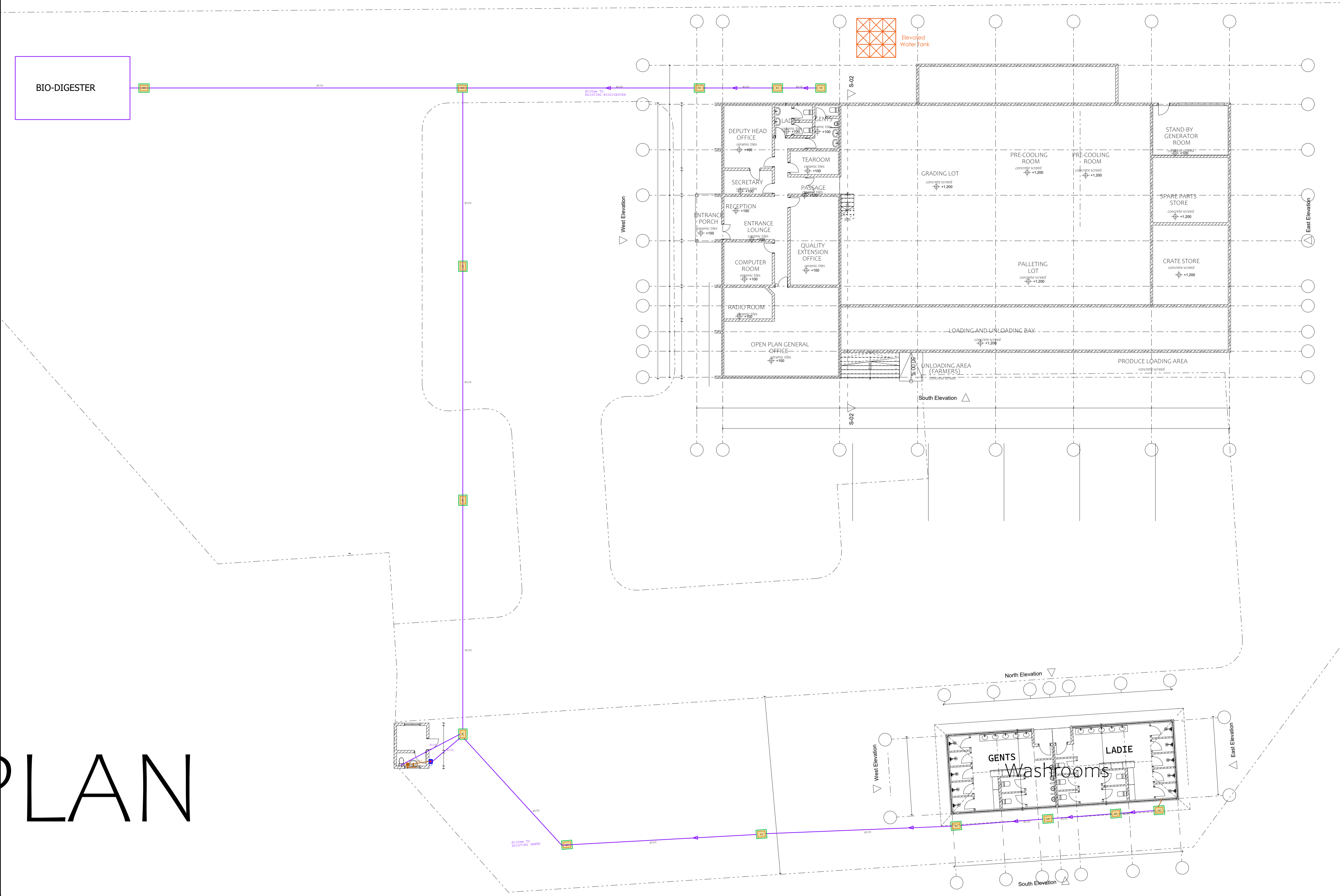
CLIENT

TRADEMARK AFRICA, 2nd FLR, FIDELITY INSURANCE CENTRE, WESTLANDS, P.O.BOX 313-00606, NAIROBI, KENYA

Drg. No. M-PL-01

Date:	JAN 2025	Drawn by: W.N.F
		Checked by: K.O
Scale:	1:100 A1	Approved by: K.O

PLAN



NOTES

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01.		
No	Revision/Issue	Date

PROJECT
PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.

CONSULTANT
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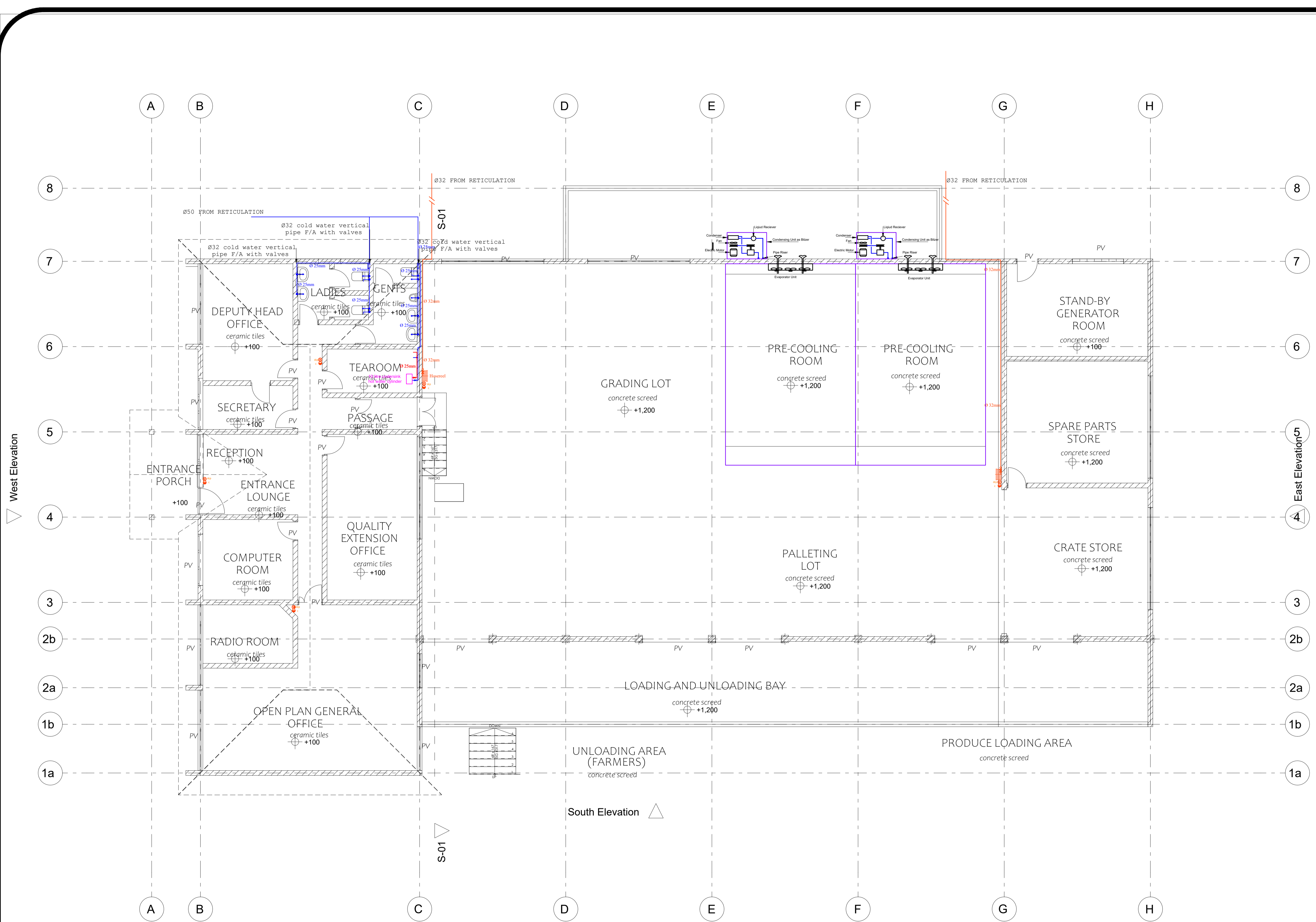
PROJECT MANAGERS

TITLE
SITE PLAN
EXTERNAL FOUL DRAINAGE LAYOUT

CLIENT
TRADEMARK AFRICA, 2nd FLR, FIDELITY INSURANCE CENTRE, WESTLANDS, P.O.BOX 313-00606, NAIROBI, KENYA

Drg. No. M-DR-01

Date:	JAN 2025	Drawn by:	W.N.F
		Checked by:	K.O
Scale:	1:100 A1	Approved by:	K.O



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01.		
No	Revision/Issue	Date

PROJECT

PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.

CONSULTANT

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Tel:020-2738032/34.
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PROJECT MANAGERS

TITLE

WAREHOUSE BLOCK
GROUND FLOOR PLUMBING AND
FIRE FIGHTING LAYOUT

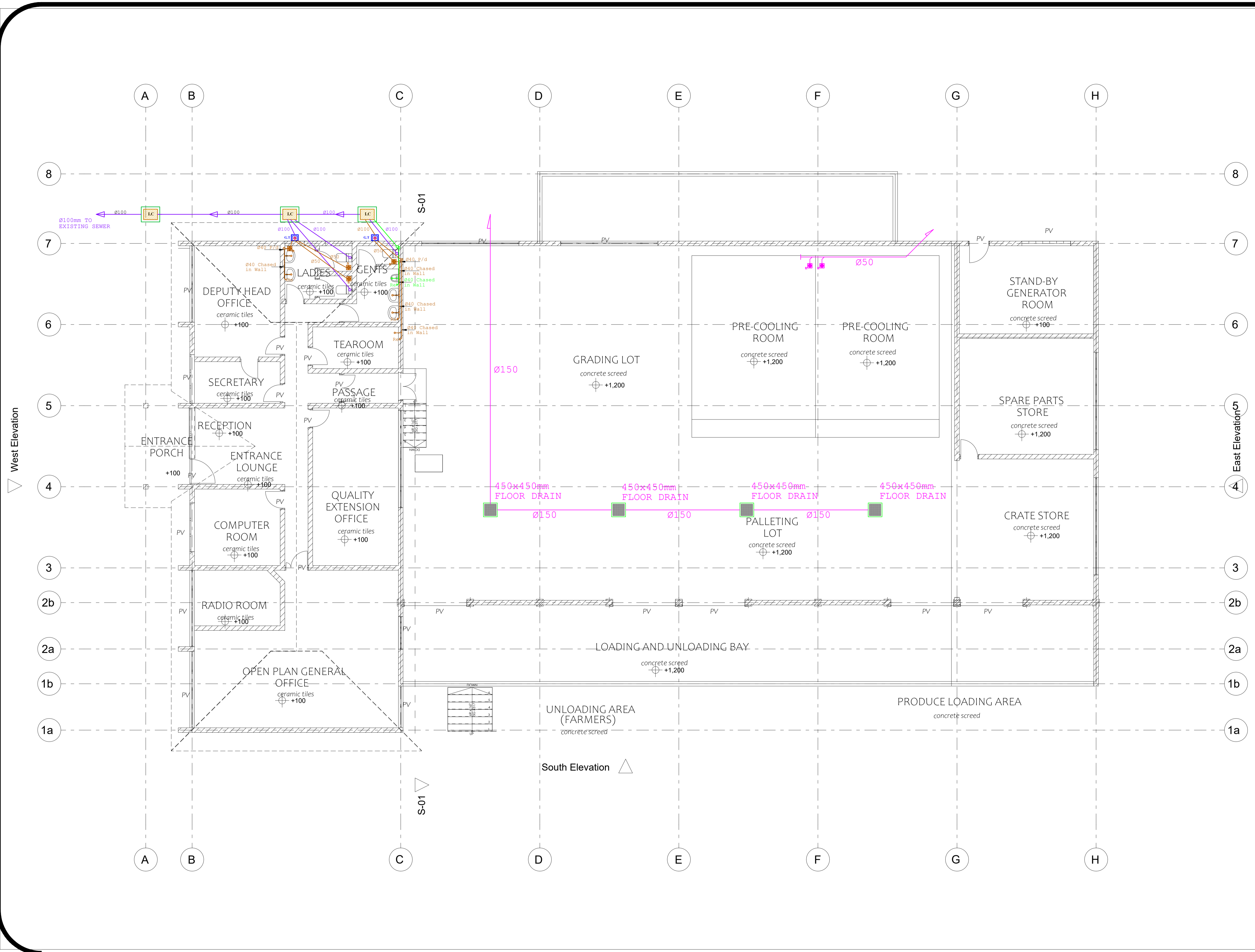
CLIENT

TRADEMARK AFRICA, 2nd FLR, FIDELITY
INSURANCE CENTRE, WESTLANDS,
P.O.BOX 313-00606, NAIROBI, KENYA

Drg. No. M-PL-02

Date:	JAN 2025	Drawn by:	W.N.F
		Checked by:	K.O
Scale:	1:100 A1	Approved by:	K.O

ASCGL - TMA - 023



NOTES

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3. All Water pipes to be PPRC PN 20 Conforming the current European Standards for PPRC installations.
4. PPRC pipe joints to be by polyfusion or electrical coupling.
5. All valves to be of brass/bronze heavy duty pattern construction as 'peglar'
6. Water Pipes under floor slab, drive ways, walkways, car parks, to be sleeved in heavy duty C or GMS as instructed
7. Exposed hot water pipes to be lagged with minimum 50mm thick fibre glass
8. All drainage pipes above ground to be uPVC 'grey' while those below to be uPVC golden brown
9. All drainage pipes below floor slab, driveways, walkways, car parks to be encased in 150mm concrete surround well cured
10. All pipe-work to run in wall chase, under floor slab, under work tops in ceiling etc. Exposed pipes shall not be acceptable
11. Overflow pipes to discharge at 150mm beyond the wall
12. Stack pipes to rise 600mm above the roof.

No	Revision/Issue	Date
01.		

PROJECT

PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.

CONSULTANT

APEX SYSTEMS
Consulting Group Ltd.
Gate 1, Makanda Drive Along Lang'ata South Road, Karen P.O.Box 38900-00100, Nairobi GPO
Tel: 020-2738032/34.
Fax: 020-2730072
E-MAIL: info@apexsystemsco.com

PROJECT MANAGERS

TITLE

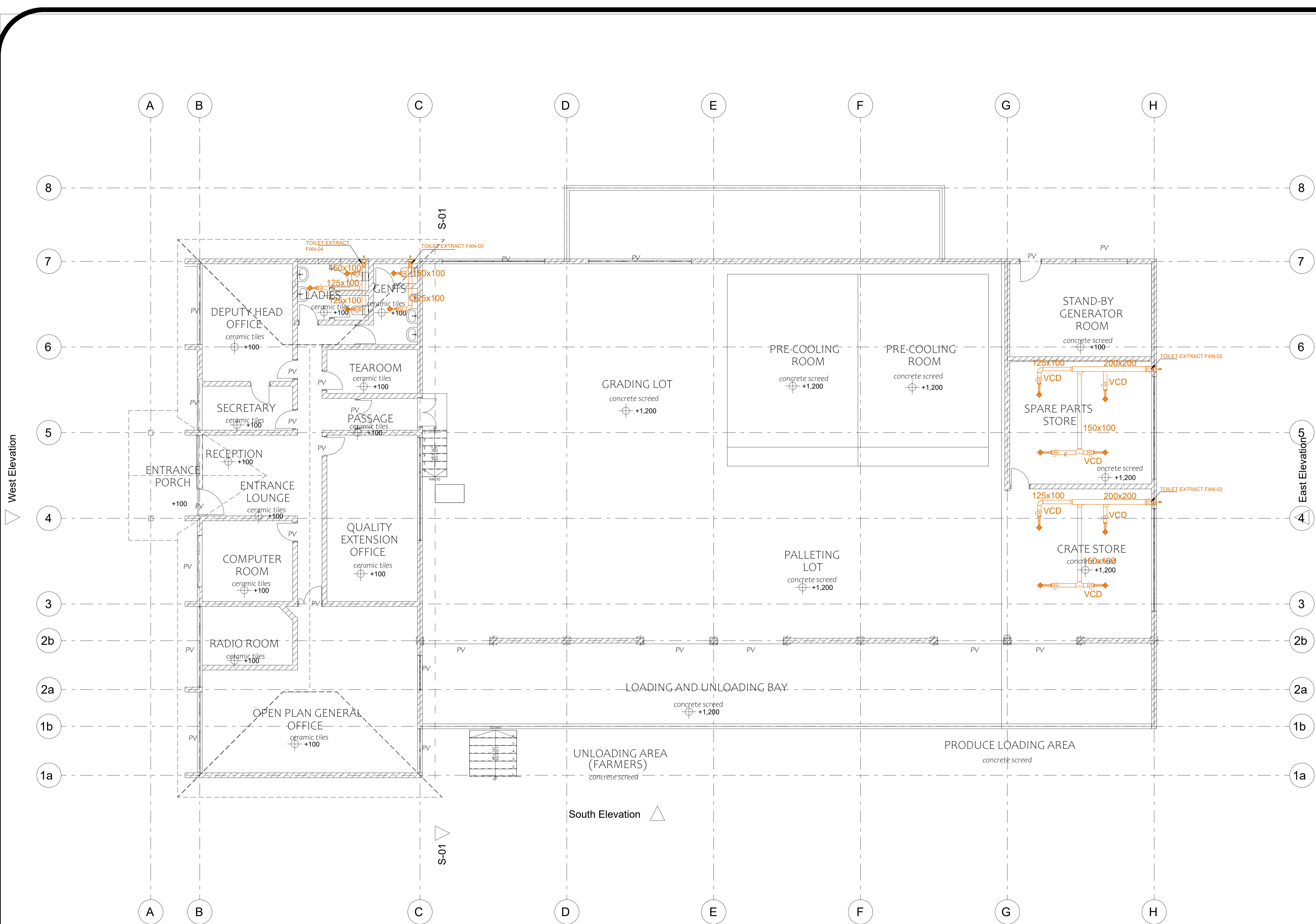
WAREHOUSE BLOCK
GROUND FLOOR FOUL AND STORM
DRAINAGE LAYOUT

CLIENT

TRADEMARK AFRICA, 2nd FLR, FIDELITY
INSURANCE CENTRE, WESTLANDS,
P.O.BOX 313-00606, NAIROBI, KENYA

Drg. No. M-DR-02

Date:	JAN 2025	Drawn by:	W.N.F
		Checked by:	K.O
Scale:	1:100 All	Approved by:	K.O



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01.		
NoRevision/Issue		Date

PROJECT
PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.

CONSULTANT
APEX SYSTEMS
Consulting Group Ltd.
 Gate 1, Makanda Drive Along Lang'ata South Road, Karen P.O.Box 38900-00100, Nairobi GPO Tel:020-2738032/34. Fax:020-2730072. E-MAIL: info@apexsystemsco.com

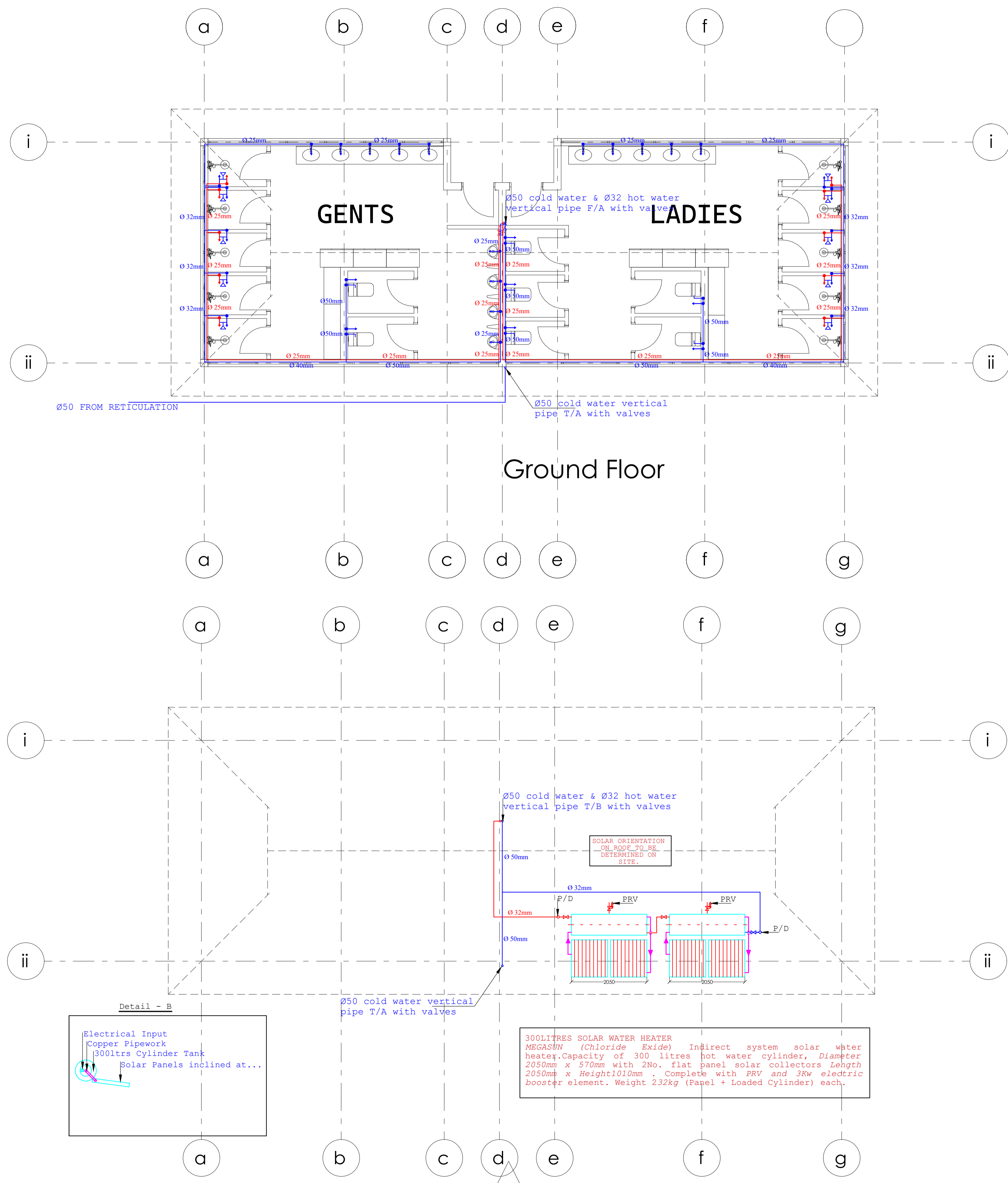
PROJECT MANAGERS

TITLE
WAREHOUSE BLOCK
GROUND FLOOR MECHANICAL VENTILATION LAYOUT

CLIENT
TRADEMARK AFRICA, 2nd FLR, FIDELITY INSURANCE CENTRE, WESTLANDS, P.O.BOX 313-00606, NAIROBI, KENYA

Drg. No. M-MV-01

Date:	JAN 2025	Drawn by:	W.N.F
		Checked by:	K.O
Scale:	1:100 A1	Approved by:	K.O



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01.		
NoRevision/Issue	Date	

PROJECT

PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.

CONSULTANT

APEX SYSTEMS
Consulting Group Ltd.
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Lang'ata South Road, Karen
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E-MAIL: info@apexsystemsco.com

PROJECT MANAGERS

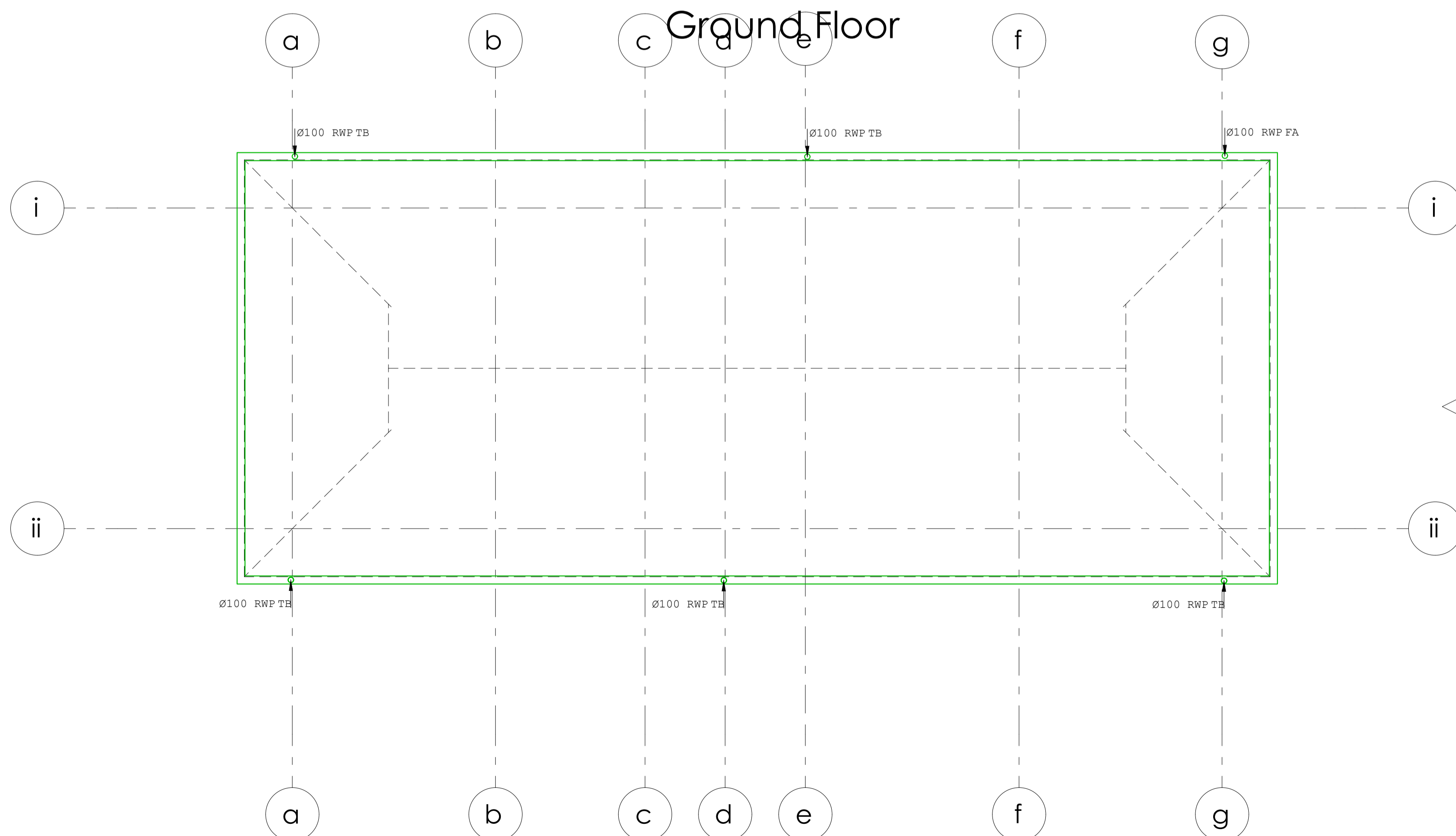
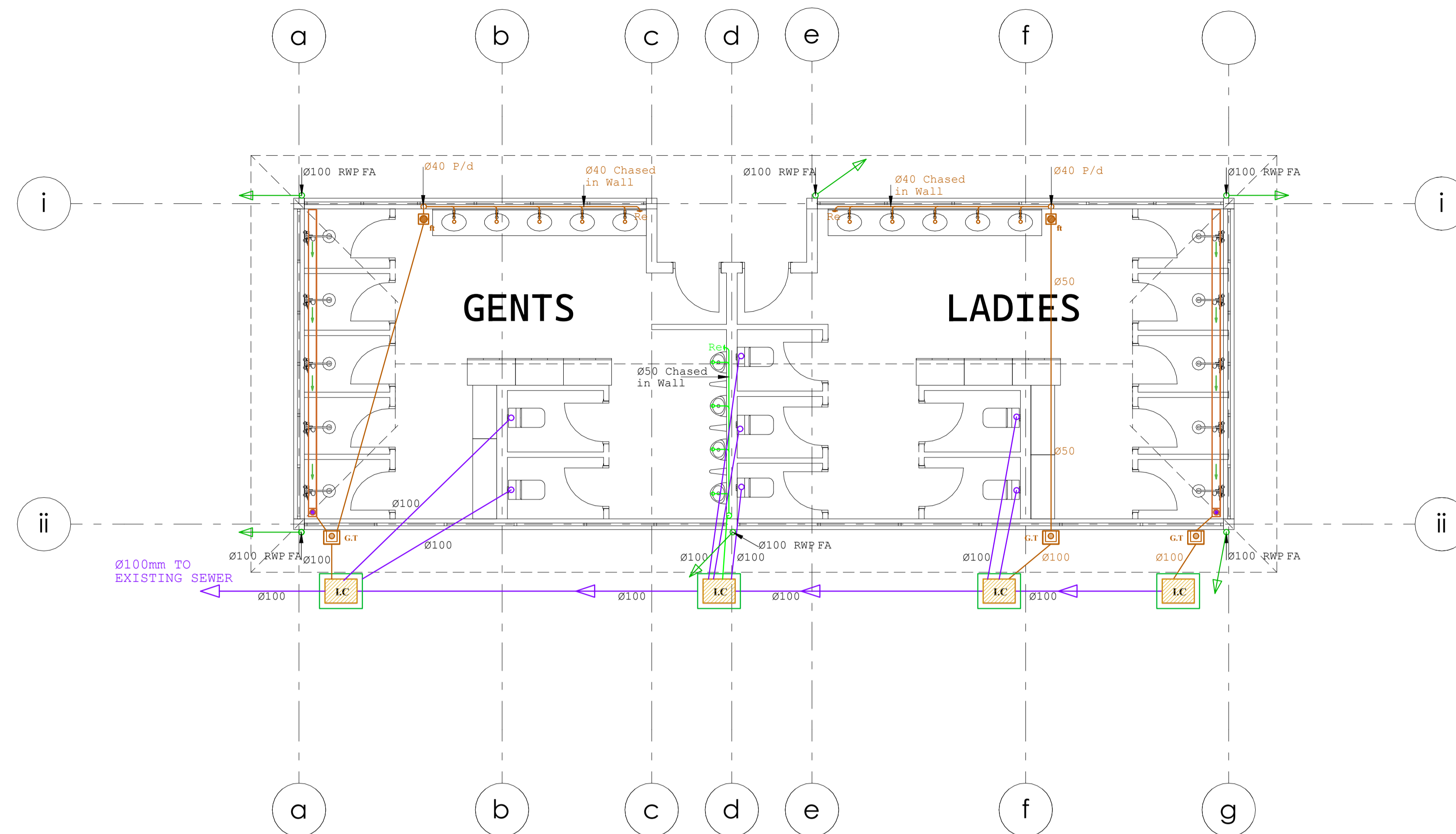
TITLE
WASHROOM BLOCK
PLUMBING LAYOUT

CLIENT

TRADEMARK AFRICA, 2nd FLR, FIDELITY
INSURANCE CENTRE, WESTLANDS,
P.O.BOX 313-00606, NAIROBI, KENYA

Drg. No. M-PL-03

Date:	JAN 2025	Drawn by:	W.N.F
		Checked by:	K.O
Scale:	1:100 A1	Approved by:	K.O



NOTES

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01.		
No	Revision/Issue	Date

PROJECT
PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.

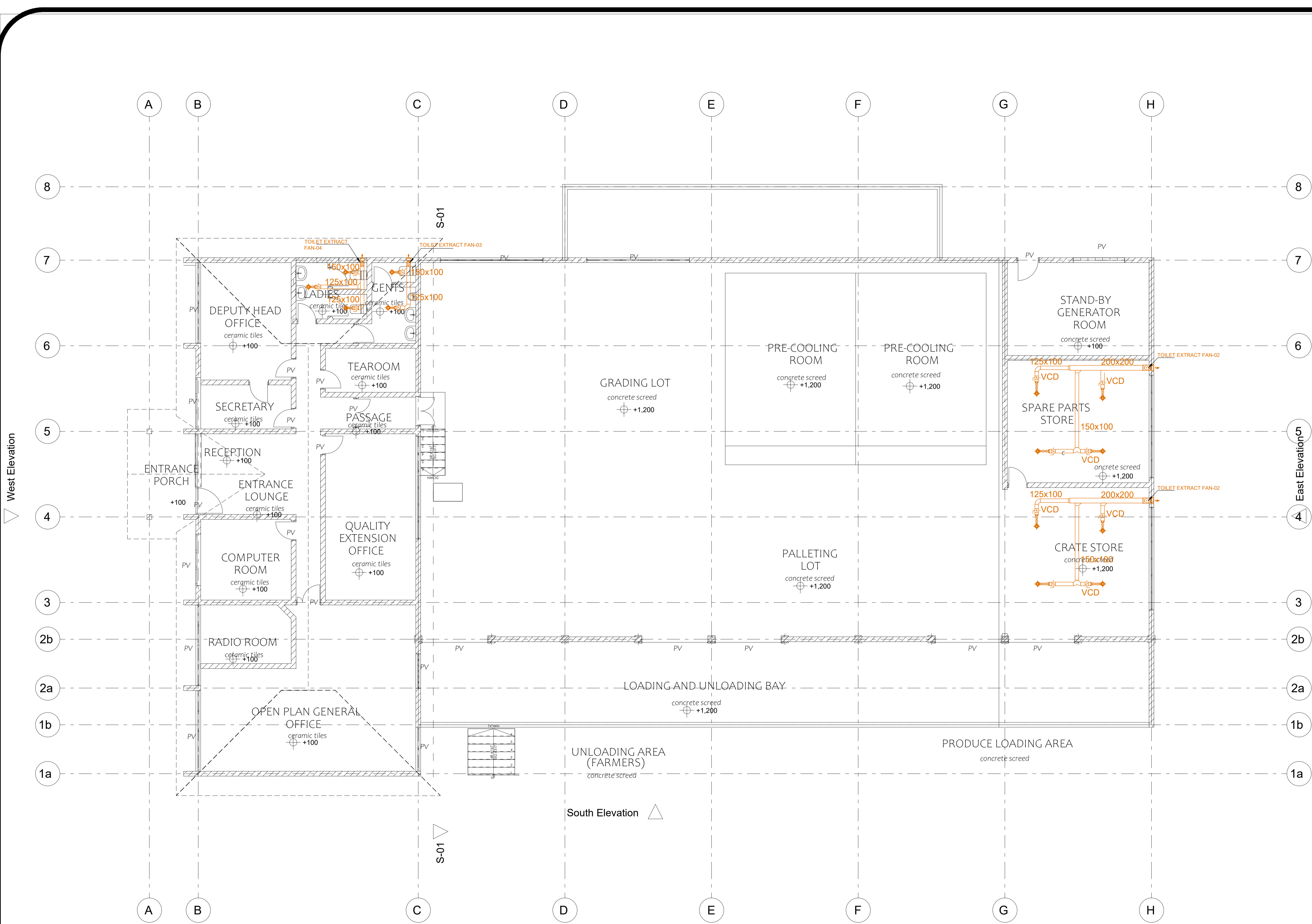
CONSULTANT
APEX SYSTEMS
Consulting Group Ltd.
Gate 1, Makanda Drive Along
Lang'ata South Road, Karen
P.O.Box 38900-00100, Nairobi GPO
Tel: 020-2738032/34.
Fax: 020-2730072.
E-MAIL: info@apexsystemscg.com

PROJECT MANAGERS

TITLE
WASHROOM BLOCK
FOUL AND STORM DRAINAGE
LAYOUT

CLIENT
TRADEMARK AFRICA, 2nd FLR, FIDELITY
INSURANCE CENTRE, WESTLANDS,
P.O.BOX 313-00606, NAIROBI, KENYA

Drg. No. M-DR-03
Date: JAN 2025 Drawn by: W.N.F
Checked by: K.O
Scale: 1:100 A1 Approved by: K.O



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01.		
No	Revision/Issue	Date

PROJECT

PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.

CONSULTANT

APEX SYSTEMS
Consulting Group Ltd.
Gate 1, Makanda Drive Along
Lang'ata South Road, Karen
P.O.Box 38900-00100, Nairobi GPO
Tel: 020-2738032/34.
Fax: 020-2730072.
E-MAIL: info@apexsystemsco.com

PROJECT MANAGERS

TITLE

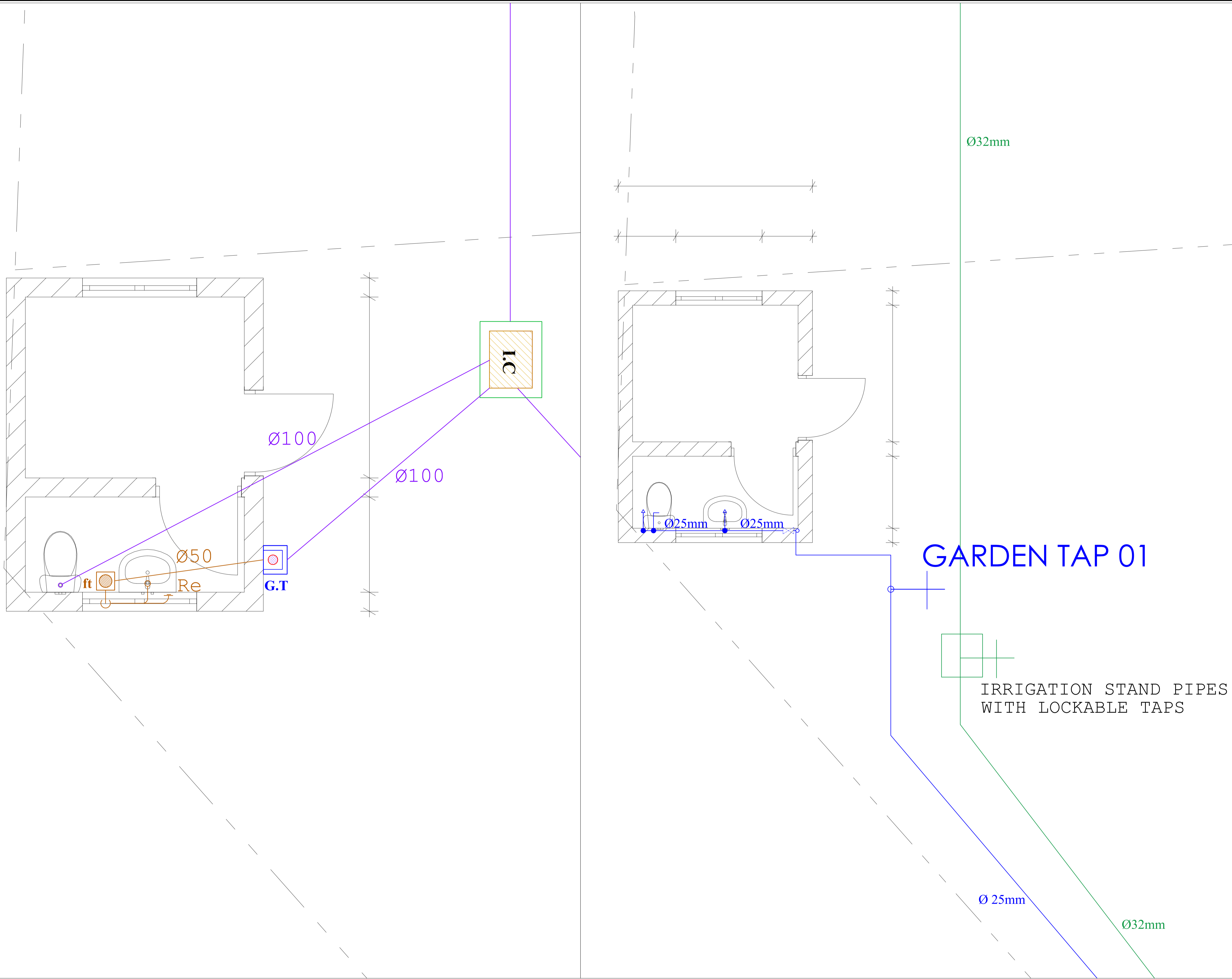
WAREHOUSE BLOCK
EXTRACT LAYOUT

CLIENT

TRADEMARK AFRICA, 2nd FLR, FIDELITY
INSURANCE CENTRE, WESTLANDS,
P.O.BOX 313-00606, NAIROBI, KENYA

Drg. No. M-MV-01

Date:	JAN 2025	Drawn by:	W.N.F
		Checked by:	K.O
Scale:	1:100 A1	Approved by:	K.O



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01.		
NoRevision/Issue		Date

PROJECT

PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.

CONSULTANT

APEX SYSTEMS
Consulting Group Ltd.
Gate 1, Makanda Drive Along Lang'ata South Road, Karen P.O.Box 38900-00100, Nairobi GPO
Tel:020-2738032/34.
Fax:020-2730072.
E-MAIL: info@apexsystemscg.com

PROJECT MANAGERS

TITLE

GATE HOUSE MECHANICAL SERVICES LAYOUT

CLIENT

TRADEMARK AFRICA, 2nd FLR, FIDELITY INSURANCE CENTRE, WESTLANDS, P.O.BOX 313-00606, NAIROBI, KENYA

Drg. No. M-GHS-01

Date: JAN 2025	Drawn by: W.N.F
	Checked by: K.O
Scale: 1:100 A1	Approved by: K.O

PLUMBING SCHEMATIC

ABBREVIATIONS	
OVP	OVER FLOW PIPE
IV	ISOLATION VALVE
NRV	NON-RETURN VALVE
DV	DRAIN VALVE
SDR	STANDARD DIMENSIONAL RATIO
<div></div>	WATER TANK AREA

Ø32 INCOMING MUNICIPAL MAINS WATER SUPPLY

Ø32

UNDERGROUND TANK

Domestic Boosting pumps (Duty & Standby)

Elevated cold water storage tank,

Ø40

Ø50

Ø50

Ø50

Ø40

Ø40 WATER TO OVERHEAD TANKS (PRESSURIZED)

Fire Hose Reels
Pressure Boosting pumps
Duty & Standby

Ø40

Ø50 COLD WATER SUPPLY TO WAREHOUSE-ADMIN FLOOR WET AREAS

Ø50 COLD WATER SUPPLY TO WASHROOM-WET AREAS

Ø50

Ø50

NOTES

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01.		
No	Re	Revision/Issue
		Date

PROJECT
PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.

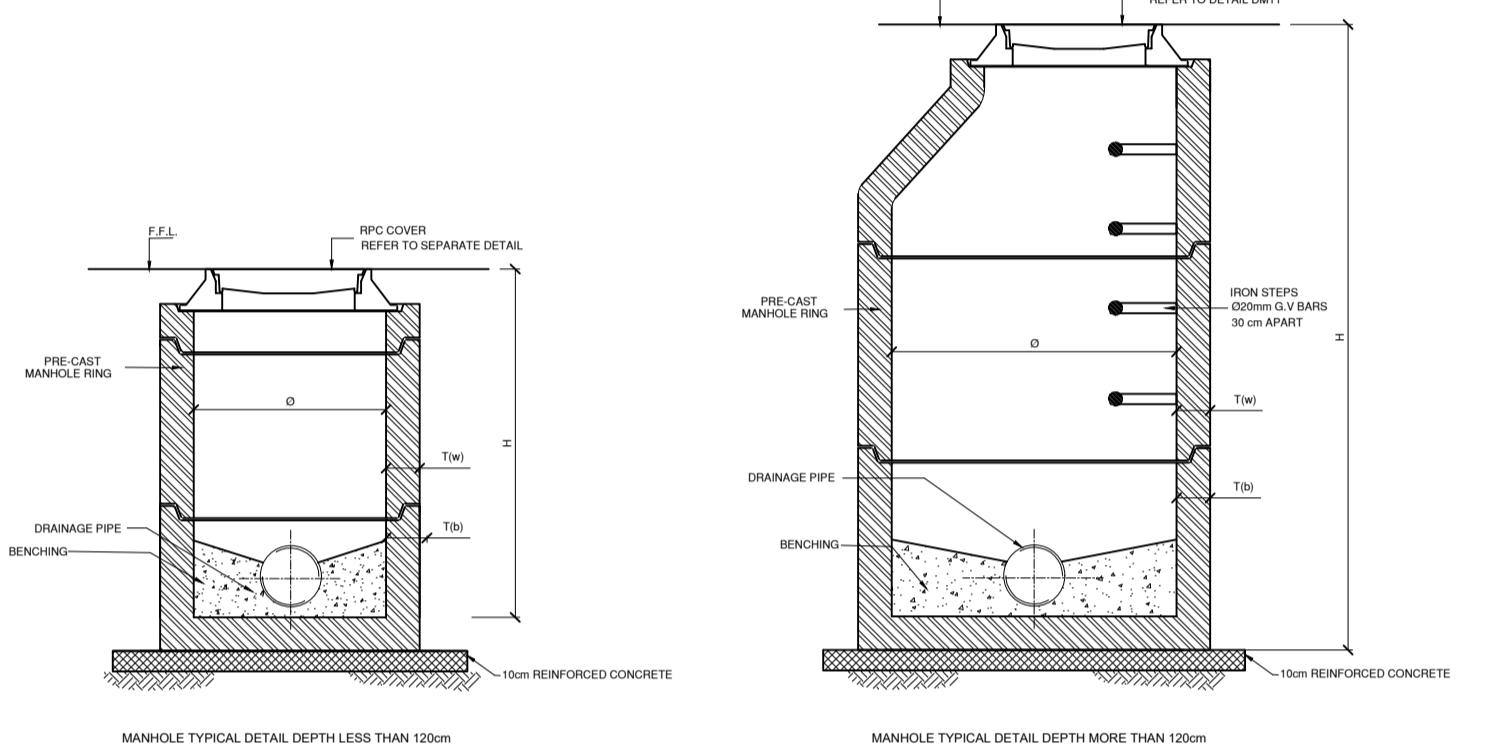
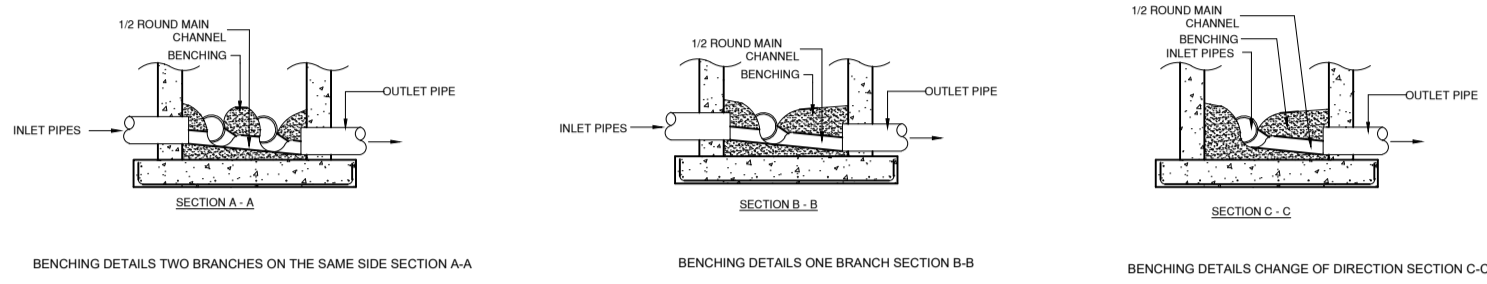
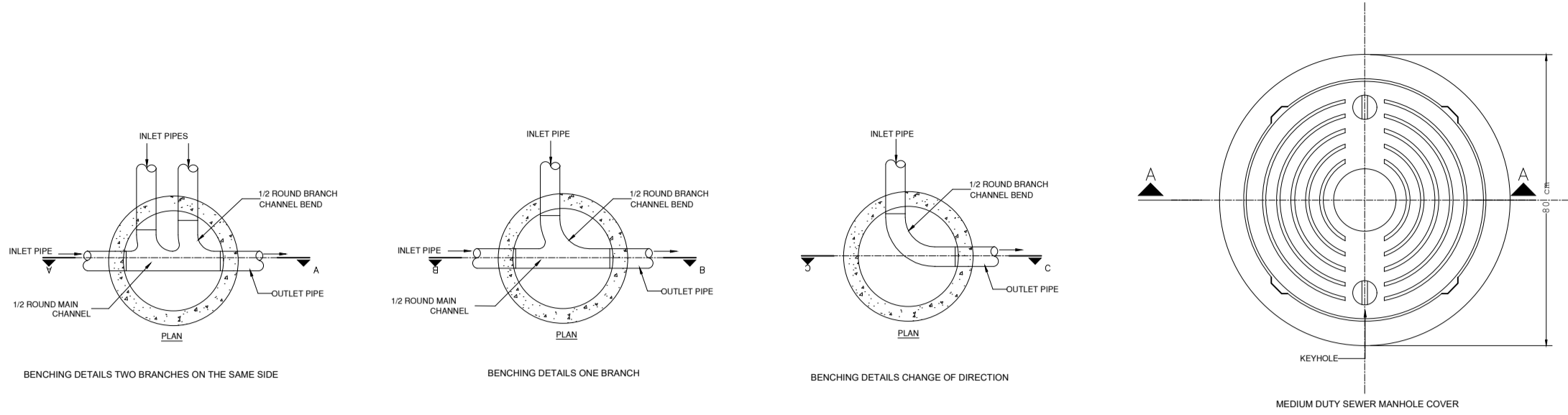
CONSULTANT
APEX SYSTEMS
Consulting Group Ltd.
Gate 1, Makanda Drive Along Lang'ata South Road, Karen P.O.Box 38900-00100, Nairobi GPO
Tel:020-2738032/34.
Fax:020-2730072.
E-MAIL: info@apexsystemscg.com

PROJECT MANAGERS

TITLE
PLUMBING SCHEMATIC LAYOUT

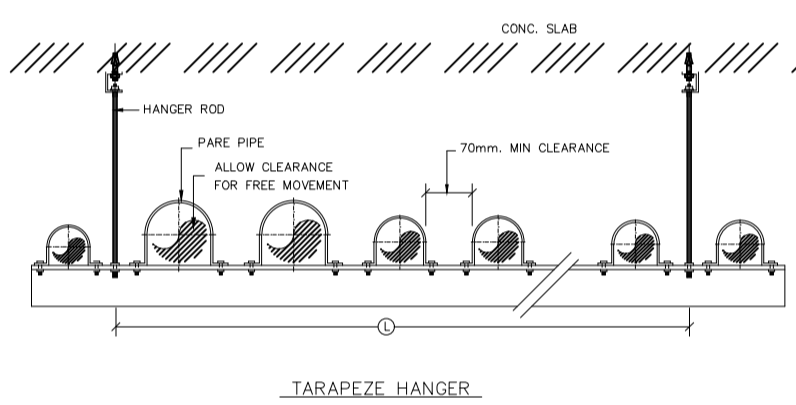
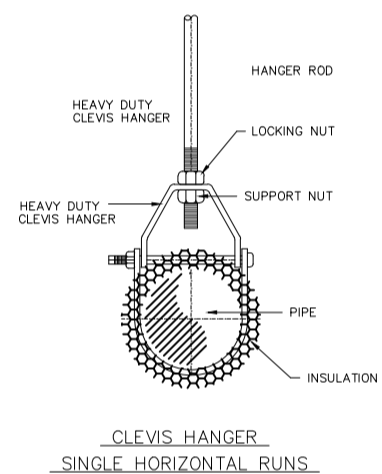
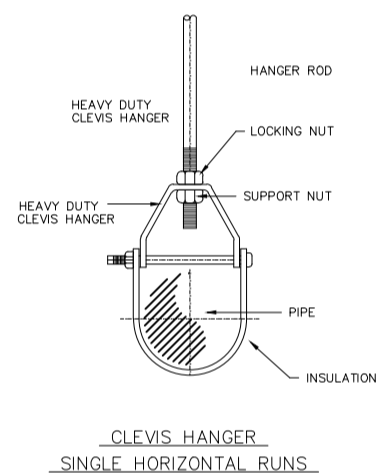
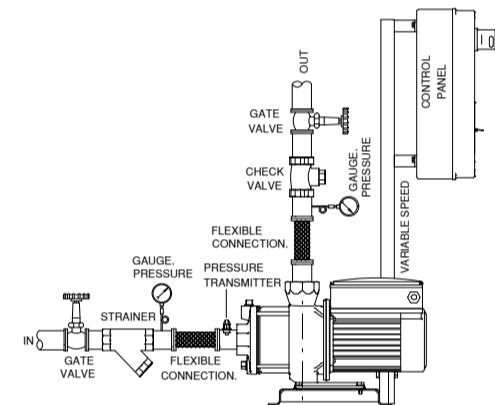
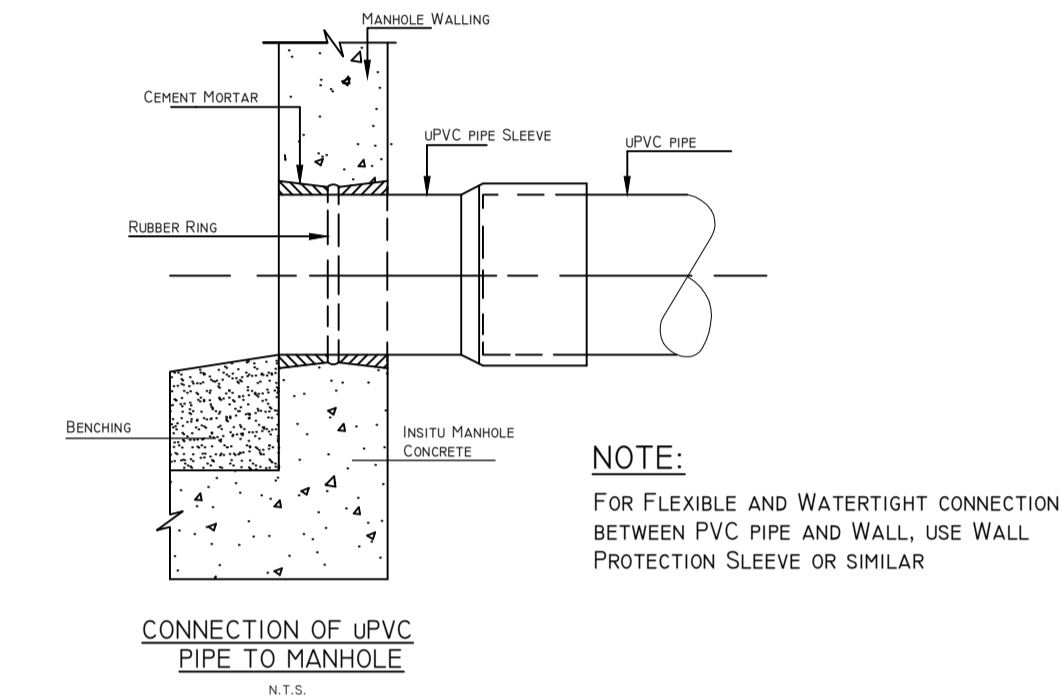
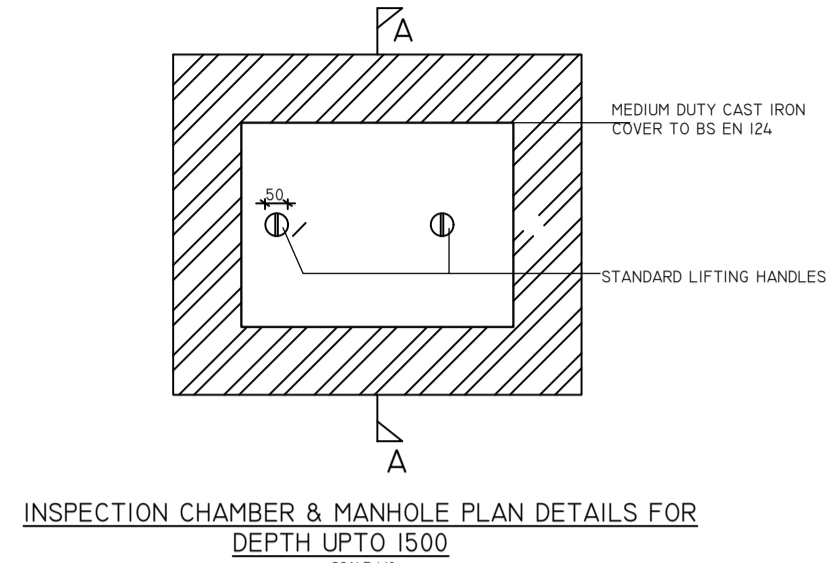
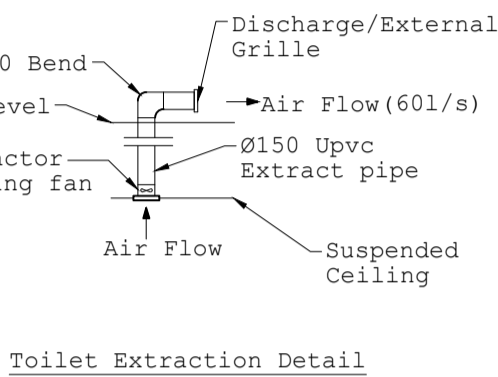
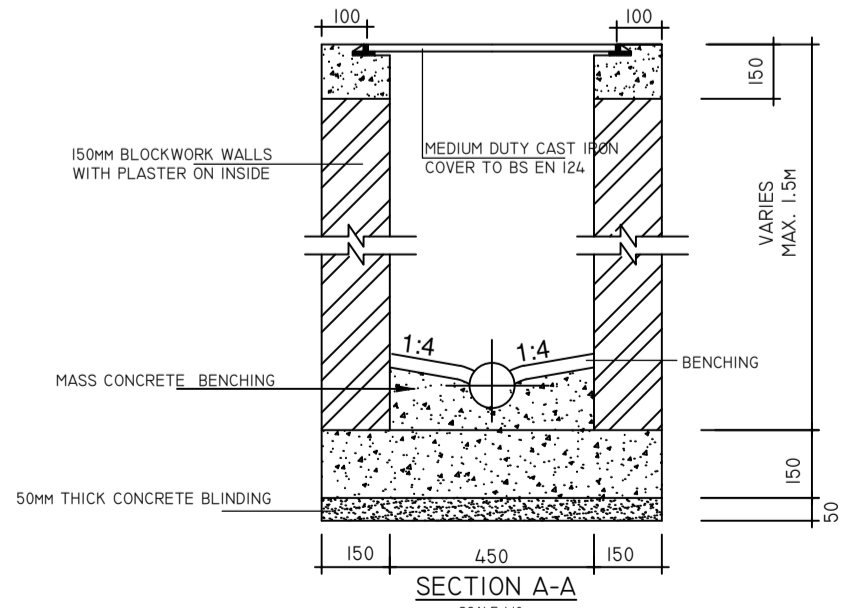
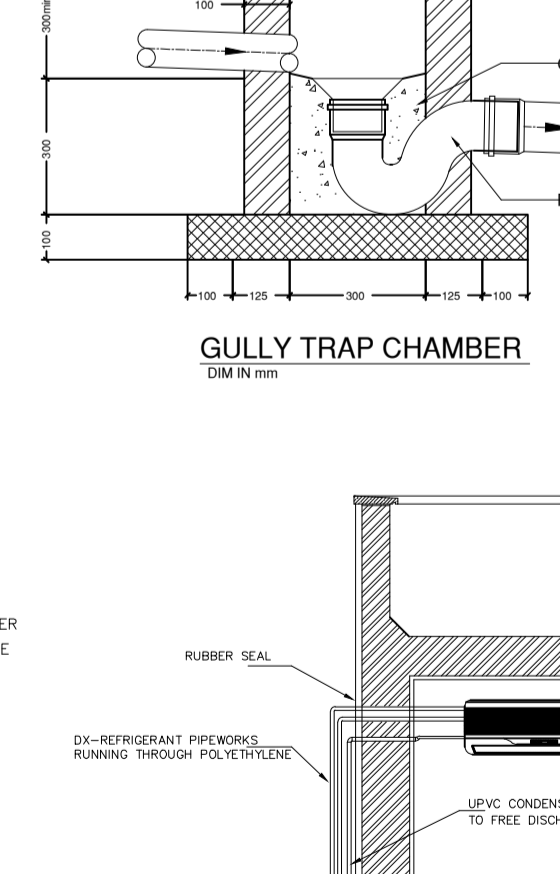
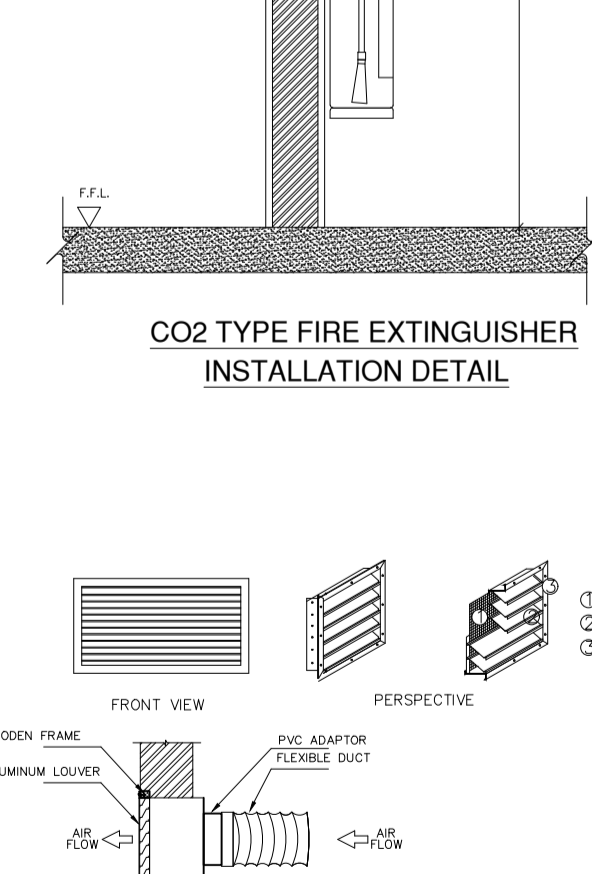
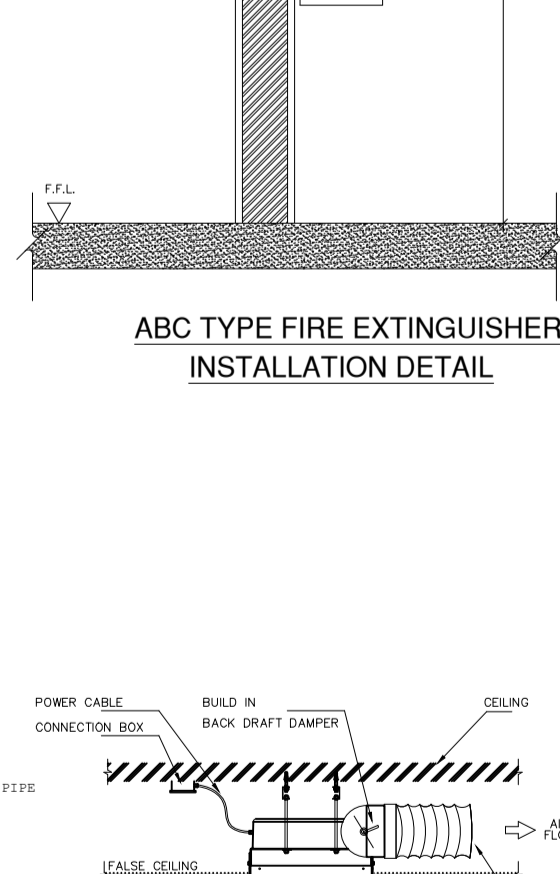
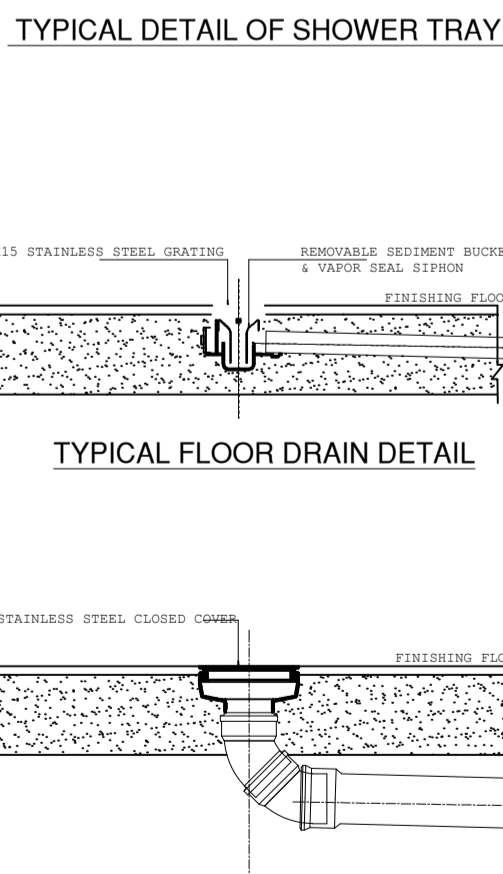
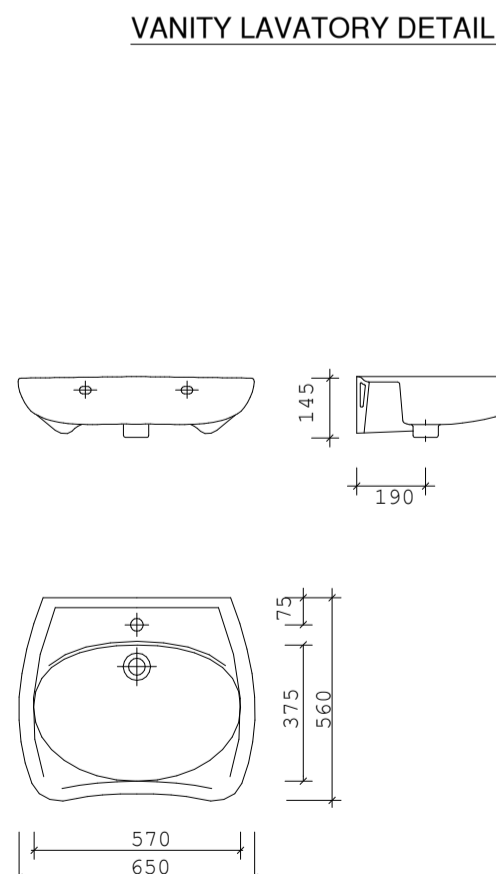
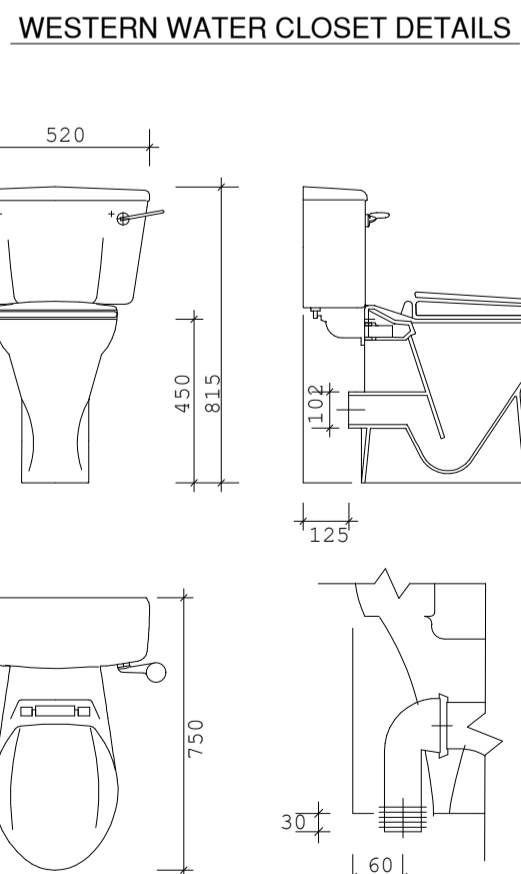
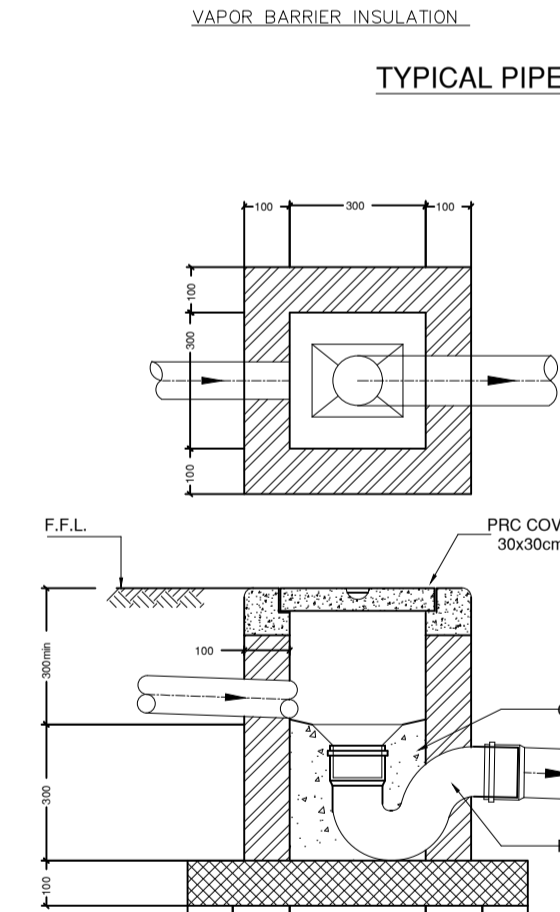
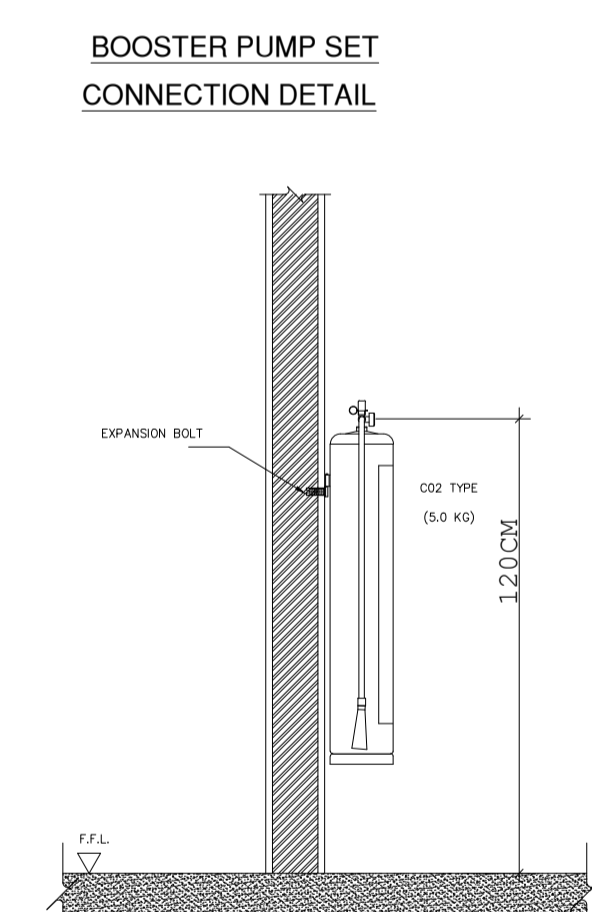
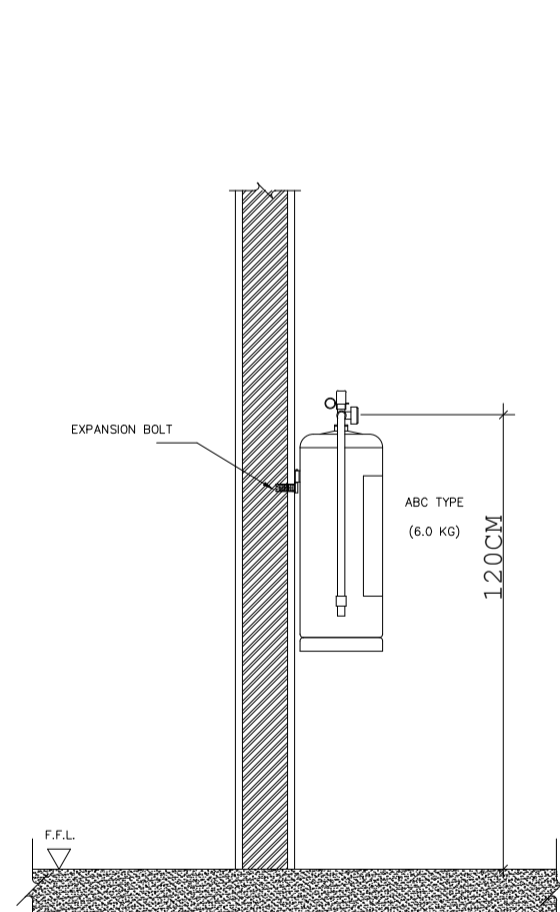
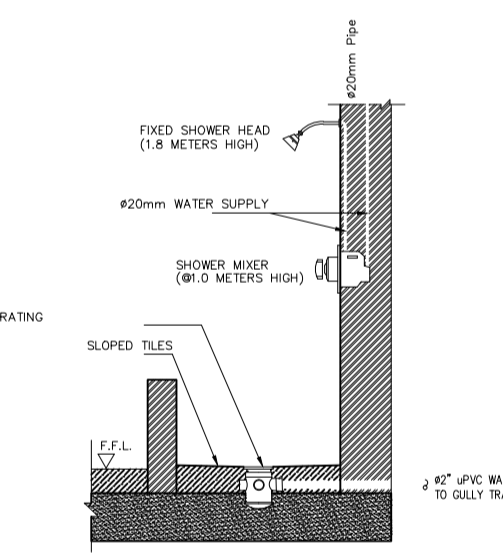
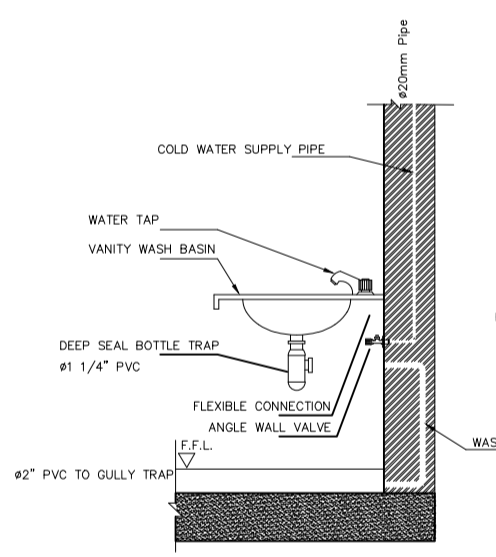
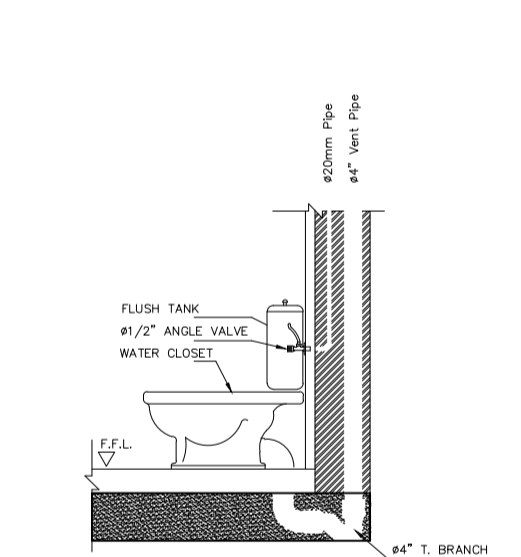
CLIENT
TRADEMARK AFRICA, 2nd FLR, FIDELITY INSURANCE CENTRE, WESTLANDS, P.O.BOX 313-00606, NAIROBI, KENYA

Drg. No. M-PL-SCH		
Date:	JAN 2025	Drawn by: W.N.F
		Checked by: K.O
Scale:	NTS	Approved by: K.O



MANHOLE SIZING

Ø (CM)	H (CM)	T(b) CM	T(w) CM
60	50-100	12	7.5
80	100-150	13	12
100	150-250	13	14.5
125	250-350	15	14



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01.		
NoRevision/Issue		Date

PROJECT
PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.

CONSULTANT
APEX SYSTEMS
Consulting Group Ltd.
Gate 1, Makanda Drive Along Lang'ata South Road, Karen P.O.Box 38900-00100, Nairobi GPO Tel:020-2738032/34. Fax:020-2730072. E-MAIL: info@apexsystemsco.gm

PROJECT MANAGERS

TITLE
MECHANICAL INSTALLATION DETAILS LAYOUT

CLIENT
TRADEMARK AFRICA, 2nd FLR, FIDELITY INSURANCE CENTRE, WESTLANDS, P.O.BOX 313-00606, NAIROBI, KENYA

Drg. No. M-IDL-000

Date: JAN 2025	Drawn by: W.N.F
Scale: NTS	Checked by: K.O
	Approved by: K.O

ELECTRICAL DRAWINGS

Client:



TRADEMARK AFRICA

P.O BOX313-00606

NAIROBI, KENYA.

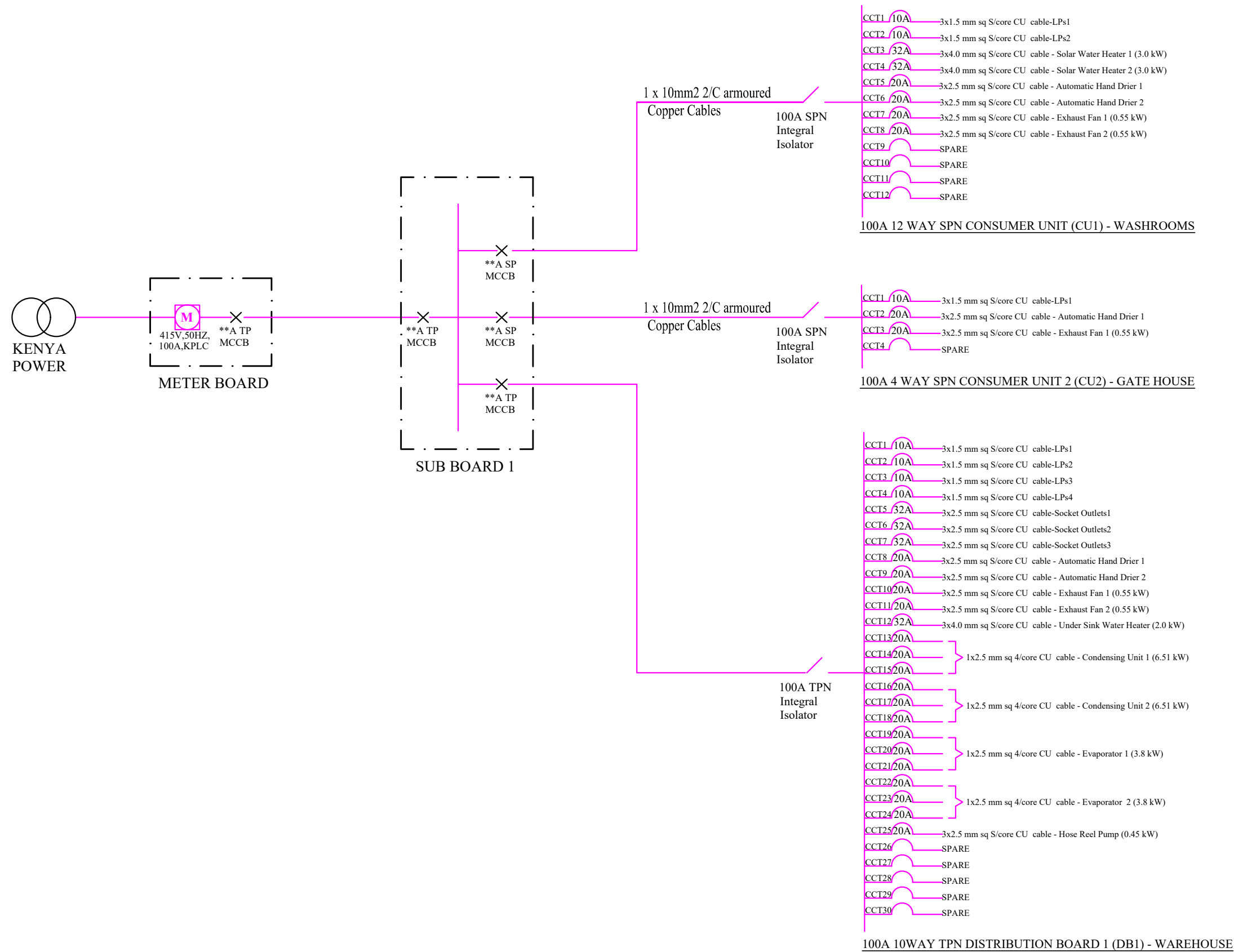
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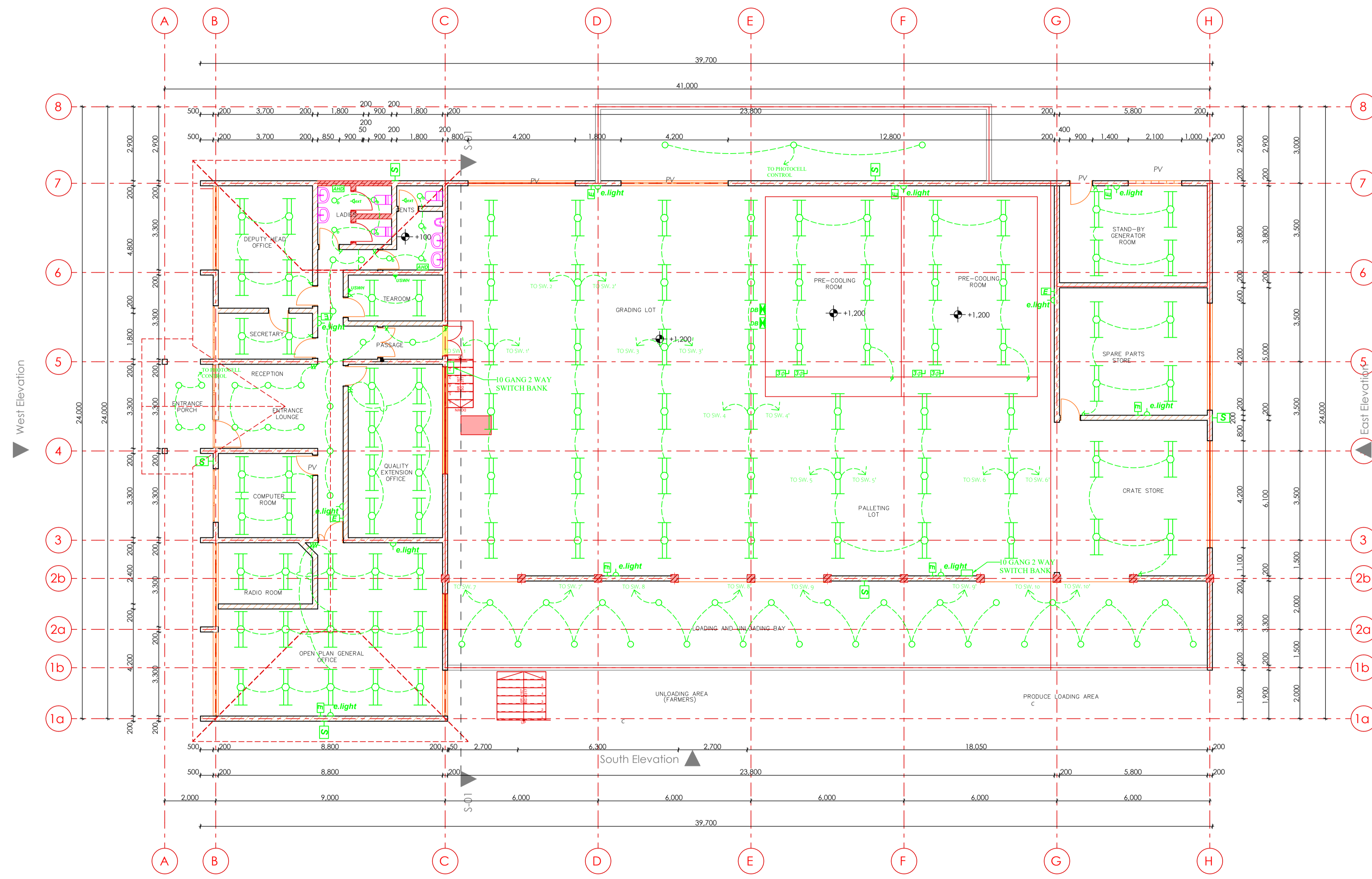
APEX SYSTEMS CONSULTING GROUP LTD,

P.O BOX 38900-00100,

NAIROBO, KENYA.




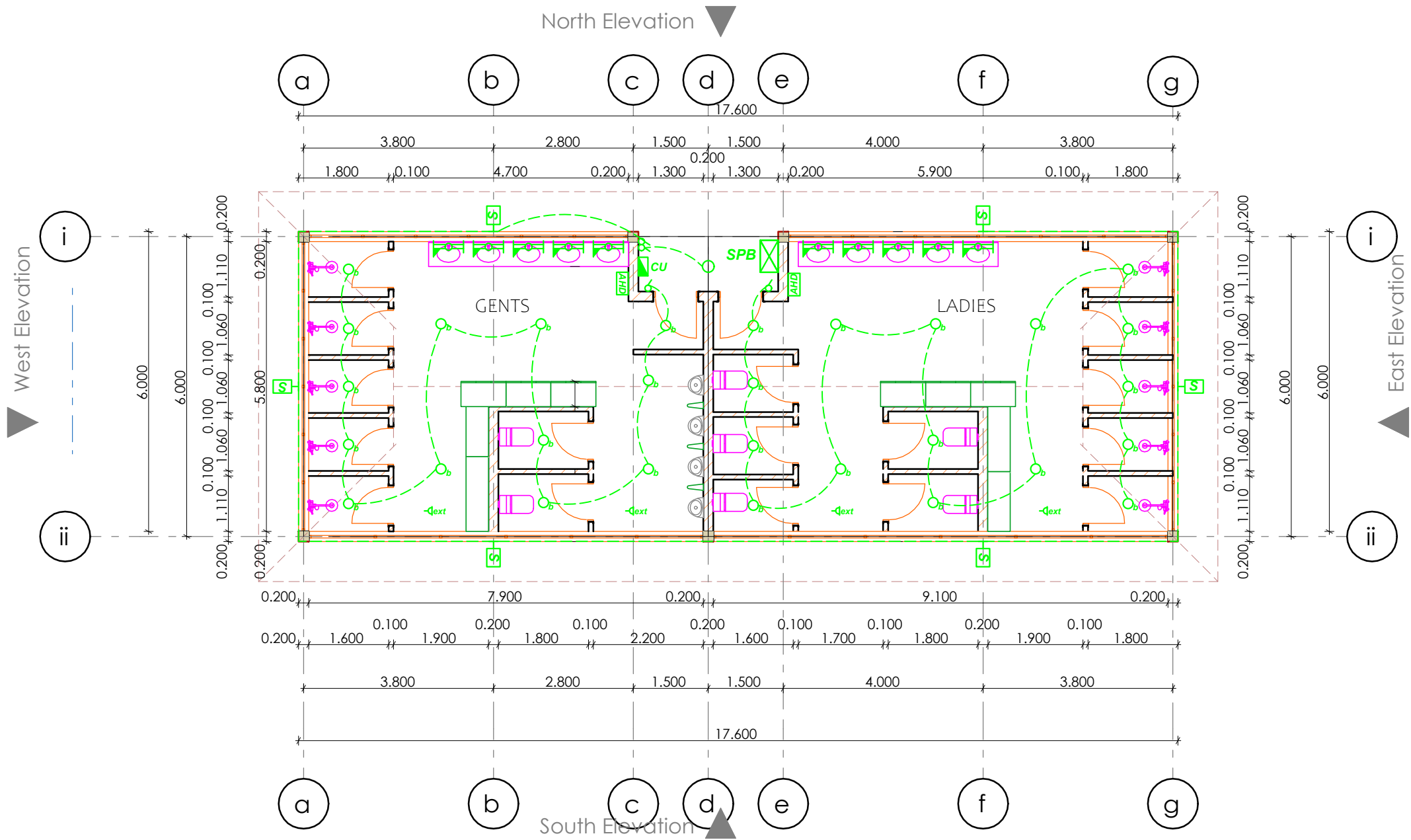
Rev.	By	Description	Sign	Date
CONSULTANT		<div><div></div><div>APEX SYSTEMS Consulting Group Ltd. Gate 1, Makanda Drive Along Lang'ata South Road, Karen P.O. Box 38900-00100, Nairobi GPO Tel:020-2738032/34, Fax:020-2730072. E-MAIL: info@apexsystemseg.com</div></div>		
CLIENT		TRADEMARK AFRICA, 2 ND FLR, FIDELITY INSURANCE CENTRE, WESTLANDS, P.O. BOX 313-00606, NAIROBI, KENYA		
DEVELOPMENT		PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.		
DRAWING TITLE		SCHEMATIC DIAGRAM		
SCALES	DATE	DRAWN	CHECKED	
A3 1:50	17/01/25	FKO	ZAO	
PROJECT NO.	DRAWING NO.	REVISION		
SE/002/2025	ZCE/HCD/203E/25C	00		



Ground Floor - Warehouse

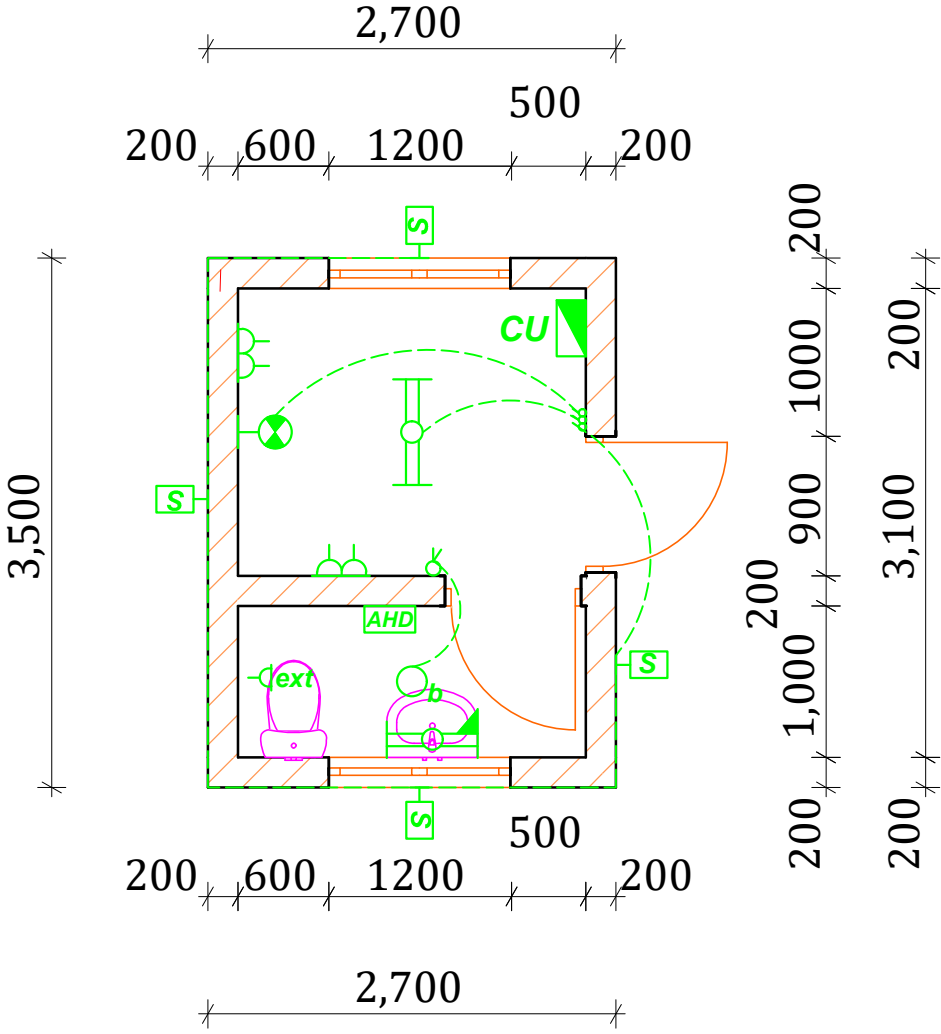
- SYMBOLS**
- ONE GANG ONE WAY SWITCH
 - ONE GANG TWO WAY SWITCH
 - TWO GANG ONE WAY SWITCH
 - TWO GANG TWO WAY SWITCH
 - THREE GANG ONE WAY SWITCH
 - THREE GANG TWO WAY SWITCH
 - CEILING ROSE FITTING
 - BALL FITTINGS
 - SECURITY LIGHTS
 - EMERGENCY LIGHTS
 - 300 mm STRIP LIGHT WITH CORD
 - 1200mm 36W FLOURECENT FITTING
 - WALL FAN
 - TELEPHONE OUTLETS
 - TELEVISION OUTLETS
 - 13A SINGLE SWITCH SOCKET OUTLETS
 - 13A TWIN SWITCH SOCKET OUTLETS
 - WATER PROOF 13A SINGLE SWITCH SOCKET
 - 20A DP SWITCH
 - 15A SINGLE SWITCH SOCKET OUTLETS
 - AHD AUTOMATIC HAND DRIER
 - CONSUMER UNIT
 - TPN DISTRIBUTION BOARD
 - MB METER BOARD
 - 3φ ISOLATOR
 - EMH ELECTRIC MAN HOLE

Rev.	By	Description	Sign	Date
CONSULTANT				
 APEX SYSTEMS Consulting Group Ltd. Gate 1, Makanda Drive Along Lang'ata South Road, Karen P.O. Box 38900-00100, Nairobi GPO Tel:020-2738032/34, Fax:020-2730072. E-MAIL: info@apexsystemscg.com				
CLIENT				
TRADEMARK AFRICA, 2 ND FLR, FIDELITY INSURANCE CENTRE, WESTLANDS, P.O. BOX 313-00606, NAIROBI, KENYA				
DEVELOPMENT				
PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.				
DRAWING TITLE				
ELECTRICAL INSTALLATIONS - WAREHOUSE GROUND FLOOR LAYOUT				
SCALES	DATE	DRAWN	CHECKED	
A3 1:50	17/01/25	FKO	ZAO	
PROJECT NO.	DRAWING NO.	REVISION		
SE/002/2025	ZCE/HCD/203E/25C	00		




SYMBOLS	
	ONE GANG ONE WAY SWITCH
	ONE GANG TWO WAY SWITCH
	TWO GANG ONE WAY SWITCH
	TWO GANG TWO WAY SWITCH
	THREE GANG ONE WAY SWITCH
	THREE GANG TWO WAY SWITCH
	CEILING ROSE FITTING
	BALL FITTINGS
	SECURITY LIGHTS
	EMERGENCY LIGHTS
	300 mm STRIP LIGHT WITH CORD
	1200mm 36W FLOURECENT FITTING
	WALL FAN
	TELEPHONE OUTLETS
	TELEVISION OUTLETS
	13A SINGLE SWITCH SOCKET OUTLETS
	13A TWIN SWITCH SOCKET OUTLETS
	WATER PROOF 13A SINGLE SWITCH SOCKET
	20A DP SWITCH
	15A SINGLE SWITCH SOCKET OUTLETS
	AHD AUTOMATIC HAND DRIER
	CONSUMER UNIT
	TPN DISTRIBUTION BOARD
	METER BOARD
	3 φ ISOLATOR
	EMH ELECTRIC MAN HOLE

Rev.	By	Description	Sign	Date
CONSULTANT				
APEX SYSTEMS Consulting Group Ltd. Gate 1, Makanda Drive Along Lang'ata South Road, Karen P.O. Box 38900-00100, Nairobi GPO Tel:020-2738032/34, Fax:020-2730072. E-MAIL: info@apexsystemsco.com				
CLIENT				
TRADEMARK AFRICA, 2 ND FLR, FIDELITY INSURANCE CENTRE, WESTLANDS, P.O. BOX 313-00606, NAIROBI, KENYA				
DEVELOPMENT				
PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.				
DRAWING TITLE				
ELECTRICAL INSTALLATIONS - WASHROOMS GROUND FLOOR LAYOUT				
SCALES	DATE	DRAWN	CHECKED	
A3 1:100	17/01/25	FKO	ZAO	
PROJECT NO.	DRAWING NO.	REVISION		
SE/002/2025	ZCE/HCD/203E/25C	00		



Ground Floor - Gate House

SYMBOLS	
	ONE GANG ONE WAY SWITCH
	ONE GANG TWO WAY SWITCH
	TWO GANG ONE WAY SWITCH
	TWO GANG TWO WAY SWITCH
	THREE GANG ONE WAY SWITCH
	THREE GANG TWO WAY SWITCH
	CEILING ROSE FITTING
	BALL FITTINGS
	SECURITY LIGHTS
	EMERGENCY LIGHTS
	300 mm STRIP LIGHT WITH CORD
	1200mm 36W FLOURECENT FITTING
	WALL FAN
	TELEPHONE OUTLETS
	TELEVISION OUTLETS
	13A SINGLE SWITCH SOCKET OUTLETS
	13A TWIN SWITCH SOCKET OUTLETS
	WATER PROOF 13A SINGLE SWITCH SOCKET
	20A DP SWITCH
	15A SINGLE SWITCH SOCKET OUTLETS
	AHD AUTOMATIC HAND DRIER
	CONSUMER UNIT
	TPN DISTRIBUTION BOARD
	METER BOARD
	3 ϕ ISOLATOR
	EMH ELECTRIC MAN HOLE

Rev.	By	Description	Sign	Date			
<u>CONSULTANT</u>							
		APEX SYSTEMS Consulting Group Ltd. Gate 1, Makanda Drive Along Lang'ata South Road, Karen P.O. Box 38900-00100, Nairobi GPO Tel:020-2738032/34, Fax:020-2730072. E-MAIL: info@apexsystemscg.com					
<u>CLIENT</u>							
TRADEMARK AFRICA, 2 ND FLR, FIDELITY INSURANCE CENTRE, WESTLANDS, P.O. BOX 313-00606, NAIROBI, KENYA							
<u>DEVELOPMENT</u>							
PROPOSED REHABILITATION OF KIBWEZI PACKHOUSE.							
<u>DRAWING TITLE</u>							
ELECTRICAL INSTALLATIONS - GATE HOUSE GROUND FLOOR LAYOUT							
<u>SCALES</u>	<u>DATE</u>	<u>DRAWN</u>	<u>CHECKED</u>				
A3 1:50	17/01/25	FKO	ZAO				
<u>PROJECT NO.</u>	<u>DRAWING NO.</u>	<u>REVISION</u>					
SE/002/2025	ZCE/HCD/203E/25C	00					