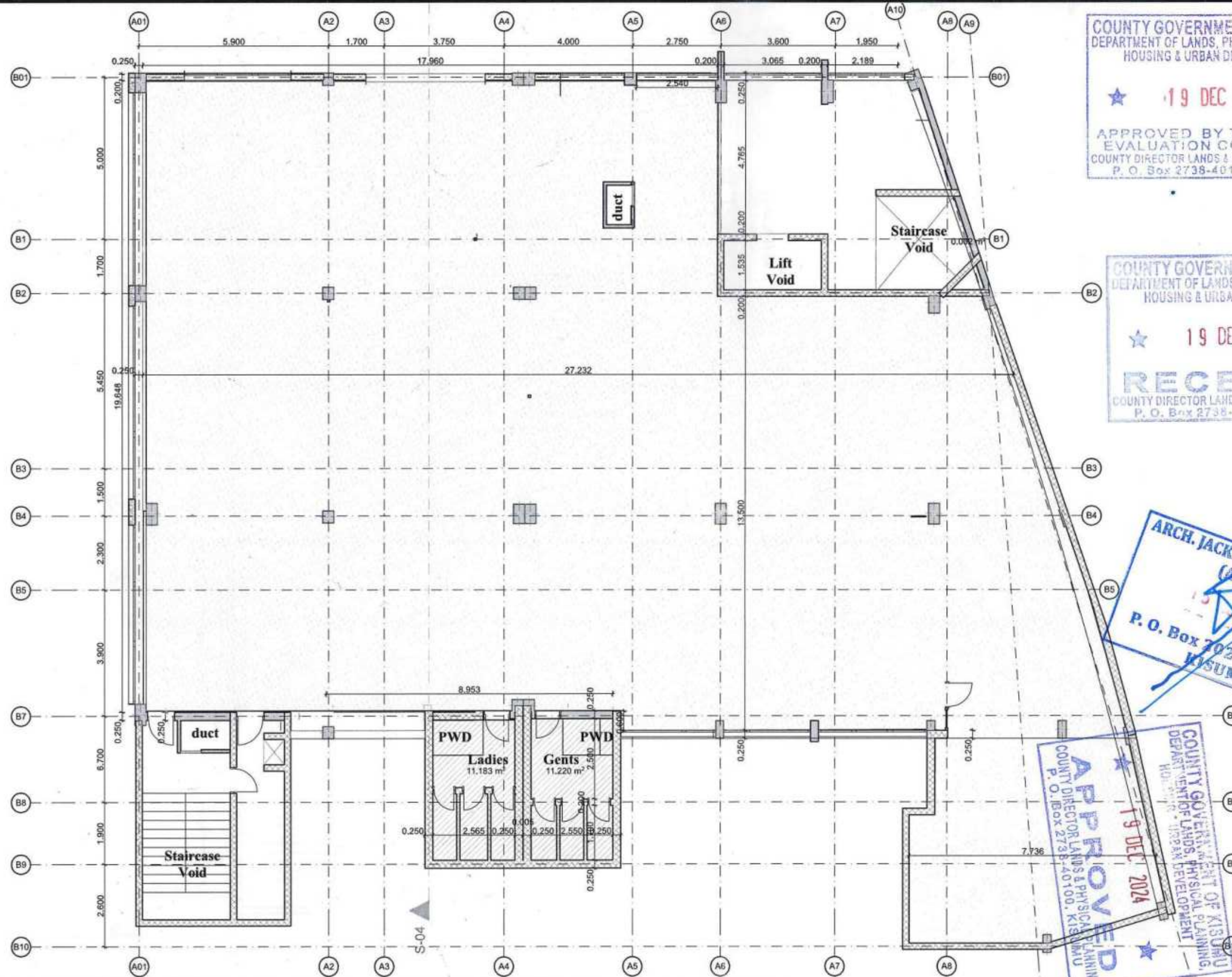


95.12



COUNTY GOVERNMENT OF KISUMU
DEPARTMENT OF LANDS, PHYSICAL PLANNING,
HOUSING & URBAN DEVELOPMENT

★ 19 DEC 2024 ★

APPROVED BY TECHNICAL
EVALUATION COMMITTEE
COUNTY DIRECTOR LANDS & PHYSICAL PLANNING
P. O. Box 2738-40100, KISUMU

COUNTY GOVERNMENT OF KISUMU
DEPARTMENT OF LANDS, PHYSICAL PLANNING,
HOUSING & URBAN DEVELOPMENT

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RECEIVED
COUNTY DIRECTOR LANDS & PHYSICAL PLANNING
P. O. Box 2738-40100, KISUMU

ARCH. JACK OMONDI ABONG
(1815)
P. O. Box 2021-40100
KISUMU

APPROVED
COUNTY GOVERNMENT OF KISUMU
DEPARTMENT OF LANDS, PHYSICAL PLANNING,
HOUSING & URBAN DEVELOPMENT
P. O. Box 2738-40100, KISUMU
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Existing walls
Total Floor Area: 641.455m²

Notes:

- All dimensions in mm.
- p.v. denotes permanent vent.
- Any discrepancies to be referred to the architect before commencement of works.
- All walls under 200mm thick to be reinforced every alternate course with hoop iron.
- All soil and waste pipes under paved areas, floors, drives and walls to be encased in 100mm concrete, surfaced.
- All R.C. work to Structural Engineer's details.

- PVC gutters & down pipe to suite.
- All windows & doors to schedule.
- All internal fittings to Arch approval.
- Foundation depth to be determined on site by Arch. & S.E.
- 11 p.v.'s to be provided to all doors and windows except W.C. doors.
- Damp proof course shall be 3 ply bitumastic felt or equally approved.
- Plumbing and drainage to M.E.'s details.

Project:

PROPOSED ALTERATION AND REFURBISHMENT OF MASENO UNIVERSITY RETIREMENT BENEFIT SCHEME (MURBS BUILDING) - FOURTH FLOOR

Client:

MASENO UNIVERSITY
RETIREMENT
BENEFIT SCHEME (MURBS)

ARCHITECT

STATE DEPARTMENT OF
PUBLIC WORKS
P.O. BOX 121-40100
KISUMU

STRUCTURAL ENGINEER:

M.A.E. ENGINEER

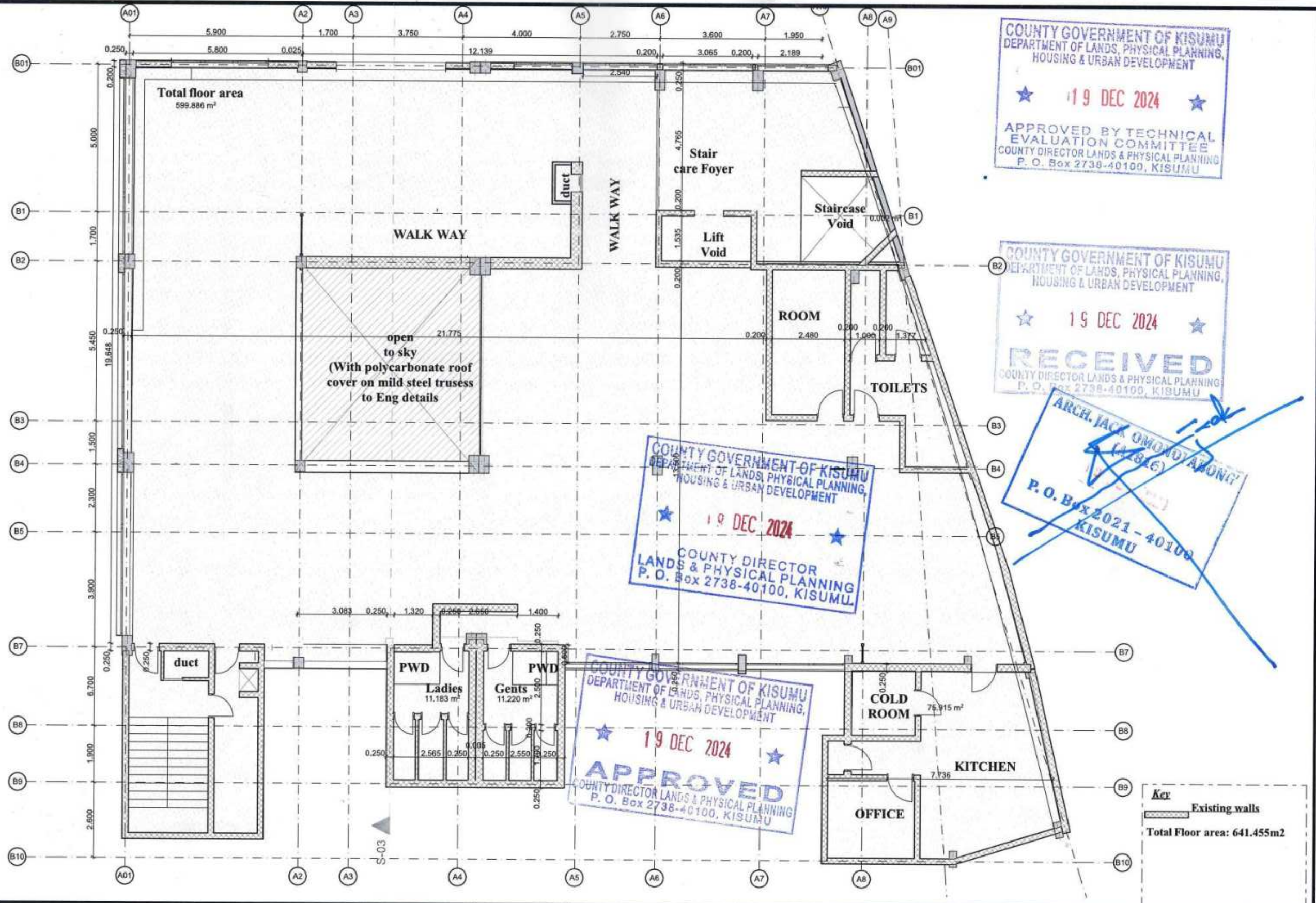
QUANTITY SURVEYORS

M.A.E. ENGINEER

Revision	Date	Description of Revision	Affected drawings

Drawn by: PAUL O.	Scale: 1:100	Date: 2024/01
Checked by: M. OOUTU	Scale: 1:100	Date: 001
Approved by: [Signature]	Scale: 1:100	Date: AS SHOWN
		Date: 20/03/2024

95.12



Notes

1. All dimensions in mm.
2. p.v. denotes permanent vent.
3. Any discrepancies to be referred to the architect before commencement of work.
4. All walls under 200mm thick to be reinforced every alternate course with hoop iron.
5. All soil and waste pipes under paved areas, floors, drives and walls to be encased in 100mm conc. surround.
6. All R.C. work to Structural Engineer's details.

7. PVC gutters & down pipe to suit.
8. All windows & doors to schedule.
9. All internal fittings to Arch approval.
10. Foundation depth to be determined on site by Arch. & E.E.
11. p.v.'s to be provided to all doors and windows except W.C. doors.
12. Damp proof course shall be 3 ply bituminous felt or equally approved.
13. Plumbing and drainage to M.E.'s details.

Project

PROPOSED ALTERATION AND REFURBISHMENT OF MASENO UNIVERSITY RETIREMENT BENEFIT SCHEME (MURBS BUILDING) - FOURTH FLOOR

Project title

Drawing Type:
WORKING DRAWINGS

Client

MASENO UNIVERSITY
RETIREMENT
BENEFIT SCHEME (MURBS)

Signature

ARCHITECT

STATE DEPARTMENT OF
PUBLIC WORKS
P.O. BOX 821-40100
KISUMU

STRUCTURAL ENGINEER

M&E ENGINEER

QUANTITY SURVEYORS

M&E ENGINEER

Revision Date
Description of Revision
Affected drawings

Drawn by: PAUL O.
Signature: _____
Checked by: M. OUDU
Signature: _____

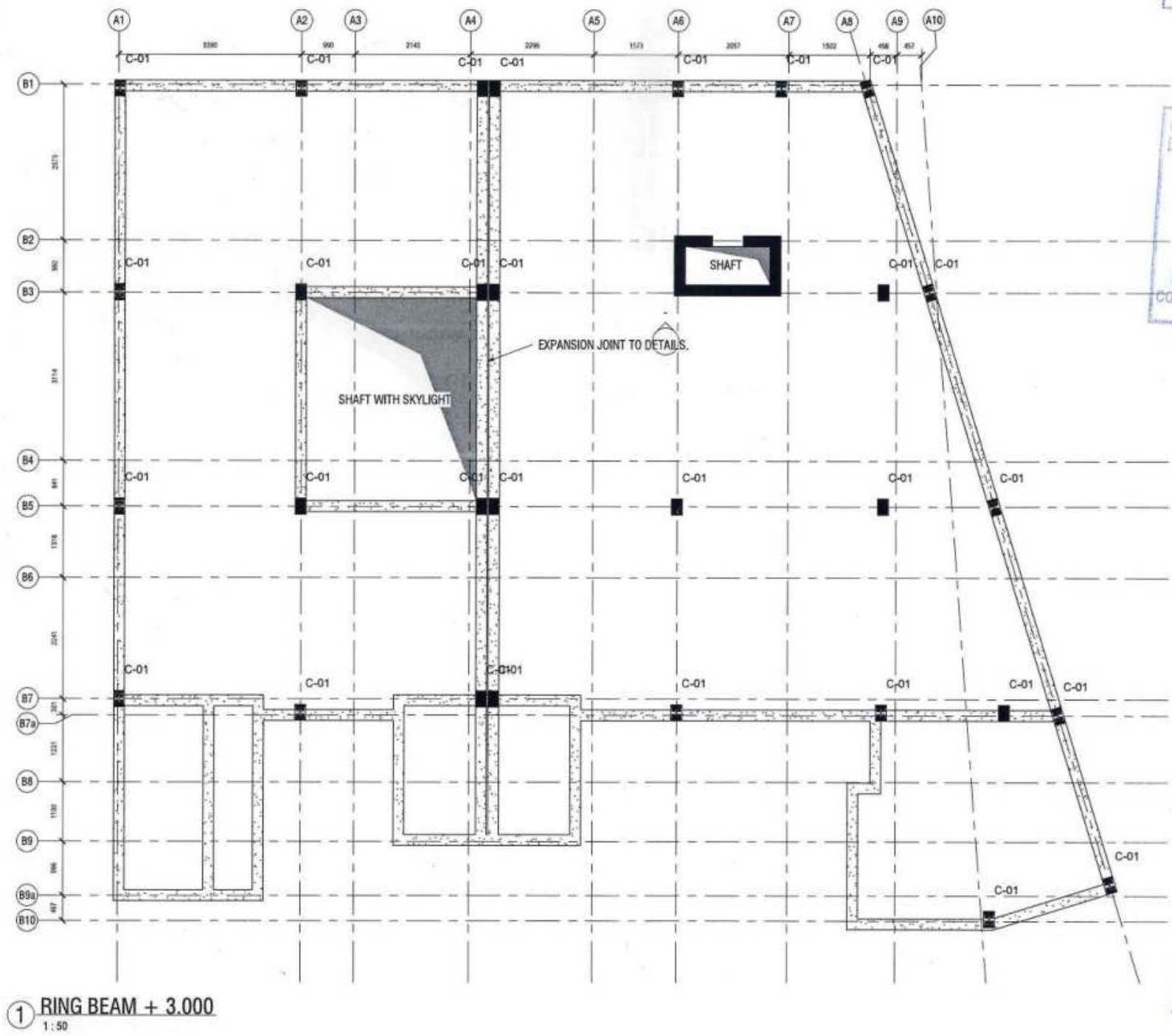
Rev. No. 2024/01
Rev. No. 001
Scale: AS SHOWN
Date: 20/03/2024

COUNTY GOVERNMENT OF KISUMU
DEPARTMENT OF LANDS, PHYSICAL PLANNING,
HOUSING & URBAN DEVELOPMENT
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EVALUATION COMMITTEE
COUNTY DIRECTOR LANDS & PHYSICAL PLANNING
P. O. Box 2738-40100, KISUMU

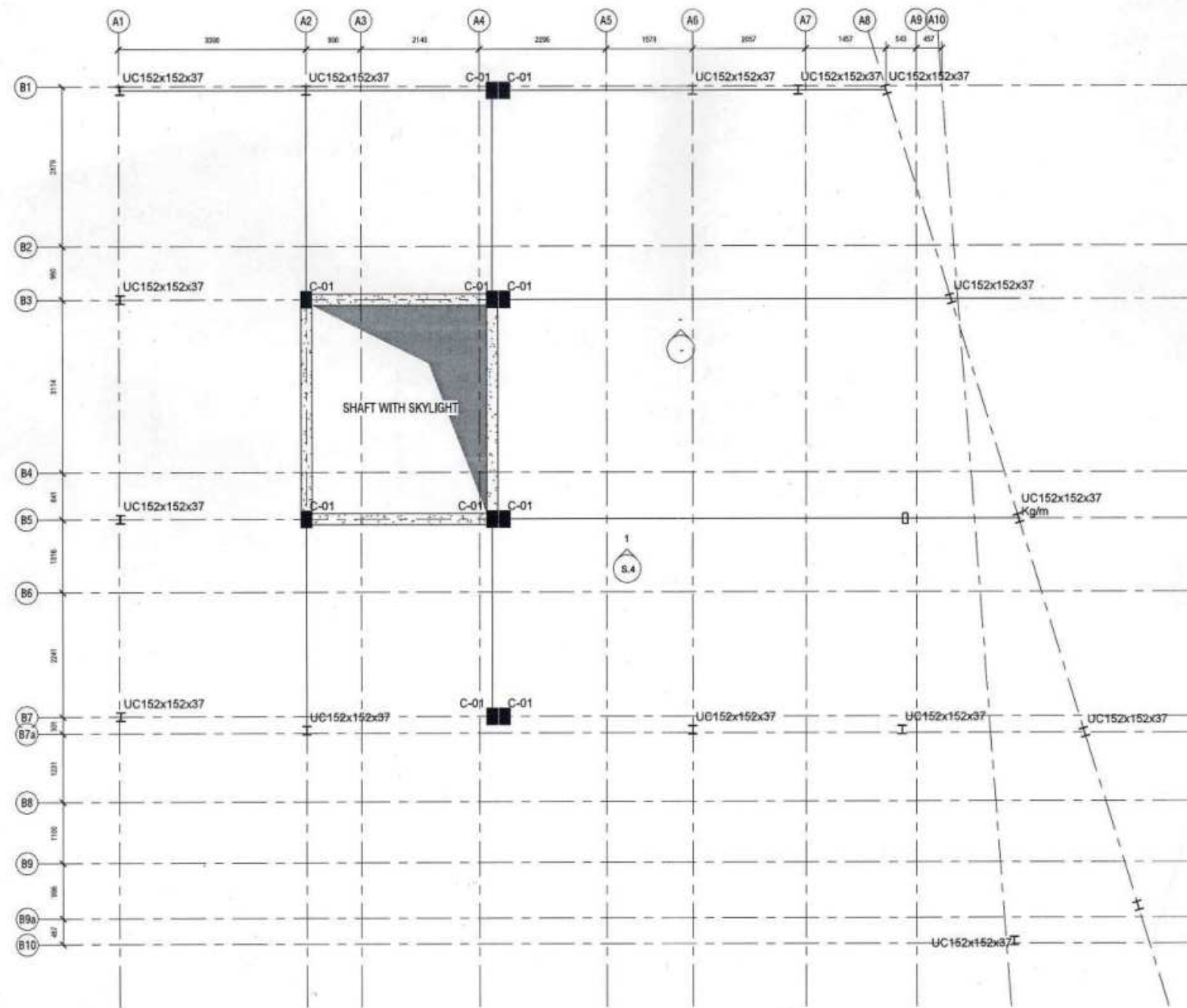
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P. O. Box 2738-40100, KISUMU



GENERAL NOTES 1) This drawing must be read in conjunction with relevant engineer's and architectural drawings. 2) The contractor shall check all dimensions on site, any error, after verification shall be reported to the engineer before work is commenced. 3) The level of ground or existing shall be indicated on all other drawings which shall be approved. CONCRETE 1) Slab and beam reinforcement to be 12mm. 2) All reinforced concrete to be grade 30 mpa giving a minimum tensile strength of 25N/mm ² at 28 days. 3) Concrete shall be poured and compacted to comply with BS 12. 4) Maximum aggregate size shall be 20mm unless otherwise stated. STEELWORK 1) If mild steel rolled into steel to BS4449. 2) If mild steel rolled into high tensile steel to BS5958. 3) Fabric reinforcement shall be to BS5958. 4) All reinforcement shall be presented to the engineer for inspection prior to casting. COLOUR 1) 50mm to all steel below ground level. 2) 40mm to columns above ground level. 3) 25mm to steel in beams. 4) 20mm to steel in slabs and staircases.		Project: PROPOSED ALTERATION AND REFURBISHMENT OF MASENO UNIVERSITY RETIREMENT BENEFIT SCHEME (MURBS BUILDING) - FOURTH FLOOR. Project Title: Drawing Title: GENERAL DETAIL DRAWINGS.		Client: MASENO UNIVERSITY RETIREMENT BENEFIT SCHEME (MURBS)	ARCHITECT:  STATE DEPARTMENT OF PUBLIC WORKS P.O BOX 821-40100, KISUMU, KENYA.	STRUCTURAL ENGINEER:	MEP ENGINEER:	QUANTITY SURVEYOR:	MEP ENGINEER: <table><thead><tr><th>Revision</th><th>Date</th><th>Description</th><th>Affected Drawings</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>		Revision	Date	Description	Affected Drawings					<table><thead><tr><th>Drawn by</th><th>Checked by</th><th>Approved by</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr></tbody></table>	Drawn by	Checked by	Approved by				<table><thead><tr><th>Date</th><th>Date</th><th>Date</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr></tbody></table>	Date	Date	Date				<table><thead><tr><th>Scale</th><th>Date</th></tr></thead><tbody><tr><td>1:20</td><td>20th SEP 2024</td></tr></tbody></table>	Scale	Date	1:20	20 th SEP 2024
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Drawn by	Checked by	Approved by																																			
Date	Date	Date																																			
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1:20	20 th SEP 2024																																				



1 RING BEAM & COLUMN LAYOUT +6.000
1:50

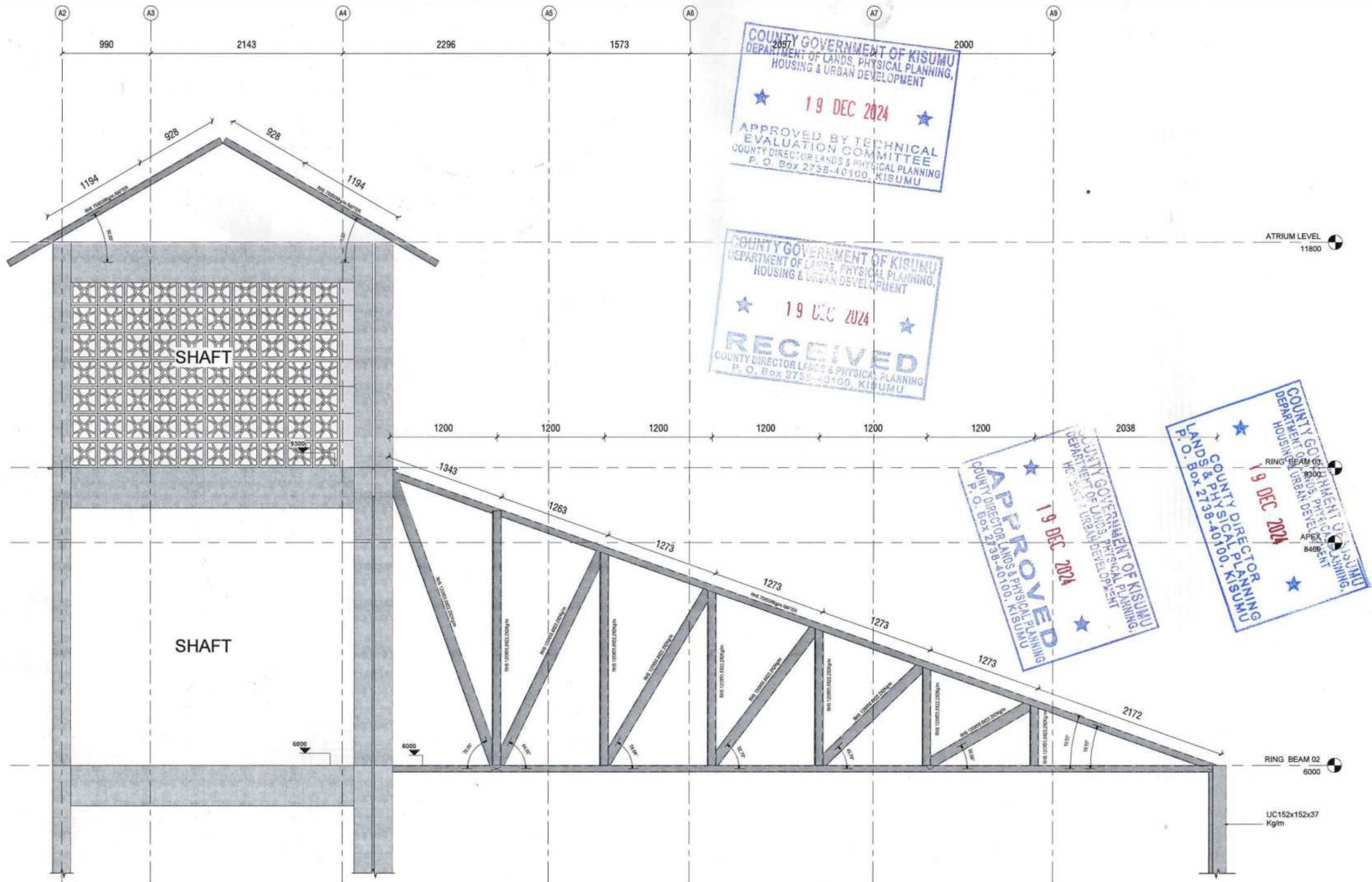
COUNTY GOVERNMENT OF KISUMU
DEPARTMENT OF LANDS, PHYSICAL PLANNING,
HOUSING & URBAN DEVELOPMENT
★ 19 DEC 2024 ★
APPROVED BY TECHNICAL
EVALUATION COMMITTEE
COUNTY DIRECTOR LANDS & PHYSICAL PLANNING
P. O. Box 2738-40100, KISUMU

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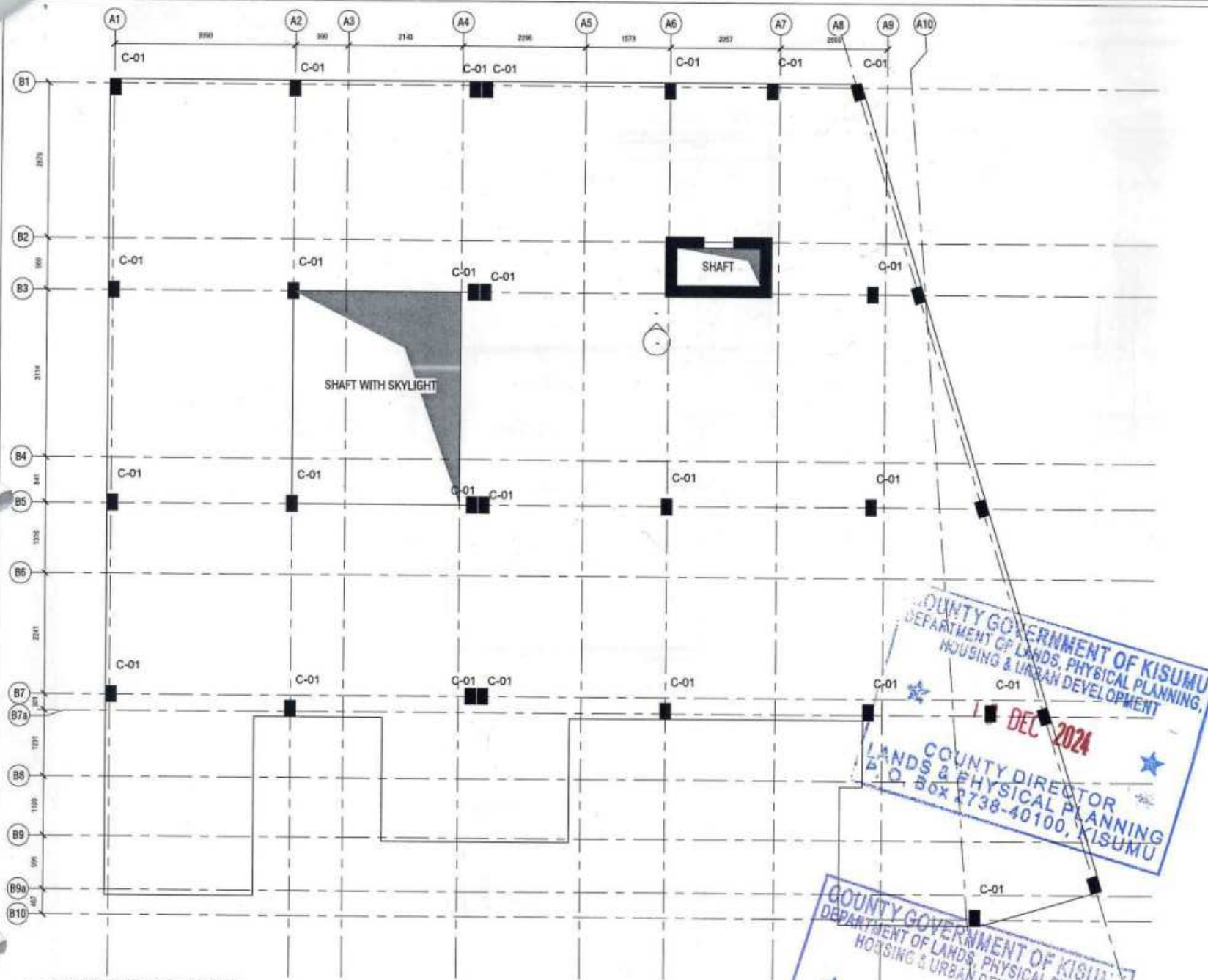
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DEPARTMENT OF LANDS, PHYSICAL PLANNING,
HOUSING & URBAN DEVELOPMENT
★ 19 DEC 2024 ★
APPROVED
COUNTY DIRECTOR LANDS & PHYSICAL PLANNING
P. O. Box 2738-40100, KISUMU

GENERAL NOTES		Project:	Client:	ARCHITECT	STRUCTURAL ENGINEER	MEP ENGINEER	QUANTITY SURVEYOR	M&E ENGINEER		Revision	Date	Description	Affected Drawings	Signature:	Date	Scale:	Page No.
1) This drawing must be used in conjunction with relevant engineer's and architectural drawings. 2) The contractor shall check all dimensions on site, any error, for variations shall be reported to the engineer before work is commenced. 3) The latest amendments or revision shall supersede all other issues which shall be declared.		PROPOSED ALTERATION AND REFURBISHMENT OF MASENO UNIVERSITY RETIREMENT BENEFIT SCHEME (MURBS BUILDING) - FOURTH FLOOR.	MASENO UNIVERSITY RETIREMENT BENEFIT SCHEME (MURBS)											Signature:	Date:	1:20	20th SEP 2024
CONCRETE 1) Binding grade: full foundation to be 1:4:8 mix. 2) All reinforced concrete to be grade 30 mix giving a minimum crushing strength of 25N/mm ² at 28 days.														Signature:	Date:		
REINFORCEMENT 1) 16mm to all steel below ground level. 2) 16mm to all steel above ground level. 3) 16mm to all steel in beams. 4) 20mm to all steel in slabs and columns.		Drawing Title:		GENERAL DETAIL DRAWINGS.													

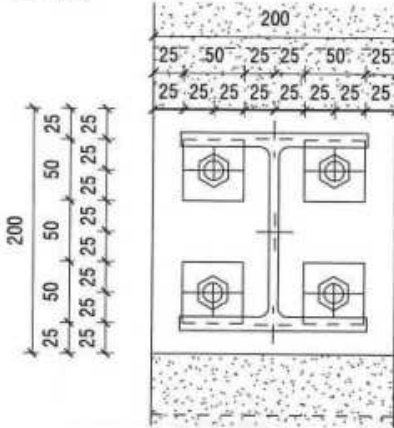


1 TRUSS SECTION DETAILS.
1:20

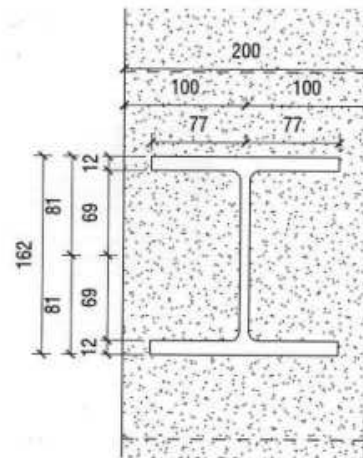
GENERAL NOTES 1) This drawing must be read in conjunction with relevant engineering and architectural drawings. 2) The contractor shall check all dimensions on site, any error, due to misinterpretation shall be reported to the engineer before work is commenced. 3) The latest amendment or revision shall supersede all other drawings which shall be destroyed. CONCRETE 1) Slab and column concrete to be 1:1:6 mix. 2) All reinforced concrete to be grade 30 (or giving a minimum crushing strength of 20N/mm²) at 28 days.	3) Concrete shall be placed and compacted to comply with BS 12. 4) Maximum aggregate size shall be 20mm unless otherwise stated. REINFORCEMENT 1) 12mm reinforcement bars shall be used to BS4449. 2) 4mm reinforcement shall be used to BS4449. 3) 12mm reinforcement shall be used to BS4449. 4) All reinforcement shall be provided to the engineer for inspection prior to casting. STEEL 1) 25mm to all steel below ground level. 2) 20mm to all steel above ground level. 3) 25mm to steel in beams. 4) 25mm to steel in slabs and staircases.	Project PROPOSED ALTERATION AND REPAIR/REPAIRMENT OF MASENO UNIVERSITY RETIREMENT BENEFIT SCHEME (MURBS BUILDING) - FOURTH FLOOR. Project Title GENERAL DETAIL DRAWINGS.	Client MASENO UNIVERSITY RETIREMENT BENEFIT SCHEME (MURBS)	ARCHITECT STATE DEPARTMENT OF PUBLIC WORKS P.O. BOX 821-40100 KISUMU, KENYA.	STRUCTURAL ENGINEER	M/E ENGINEER	QUANTITY SURVEYOR	M/E ENGINEER	Design by Signature: _____ Date: _____ Checked by Signature: _____ Date: _____ Approved by Signature: _____ Date: _____ Scale 1:20 Date 20th SEP 2024
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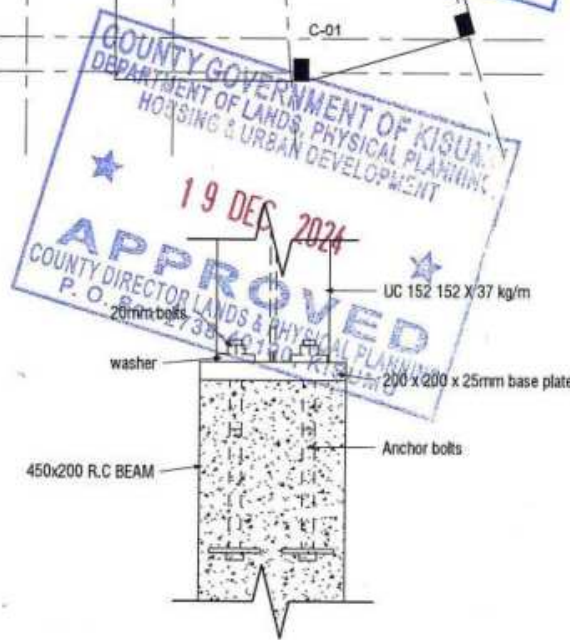
1 LAYOUT OF COLUMNS
1:50



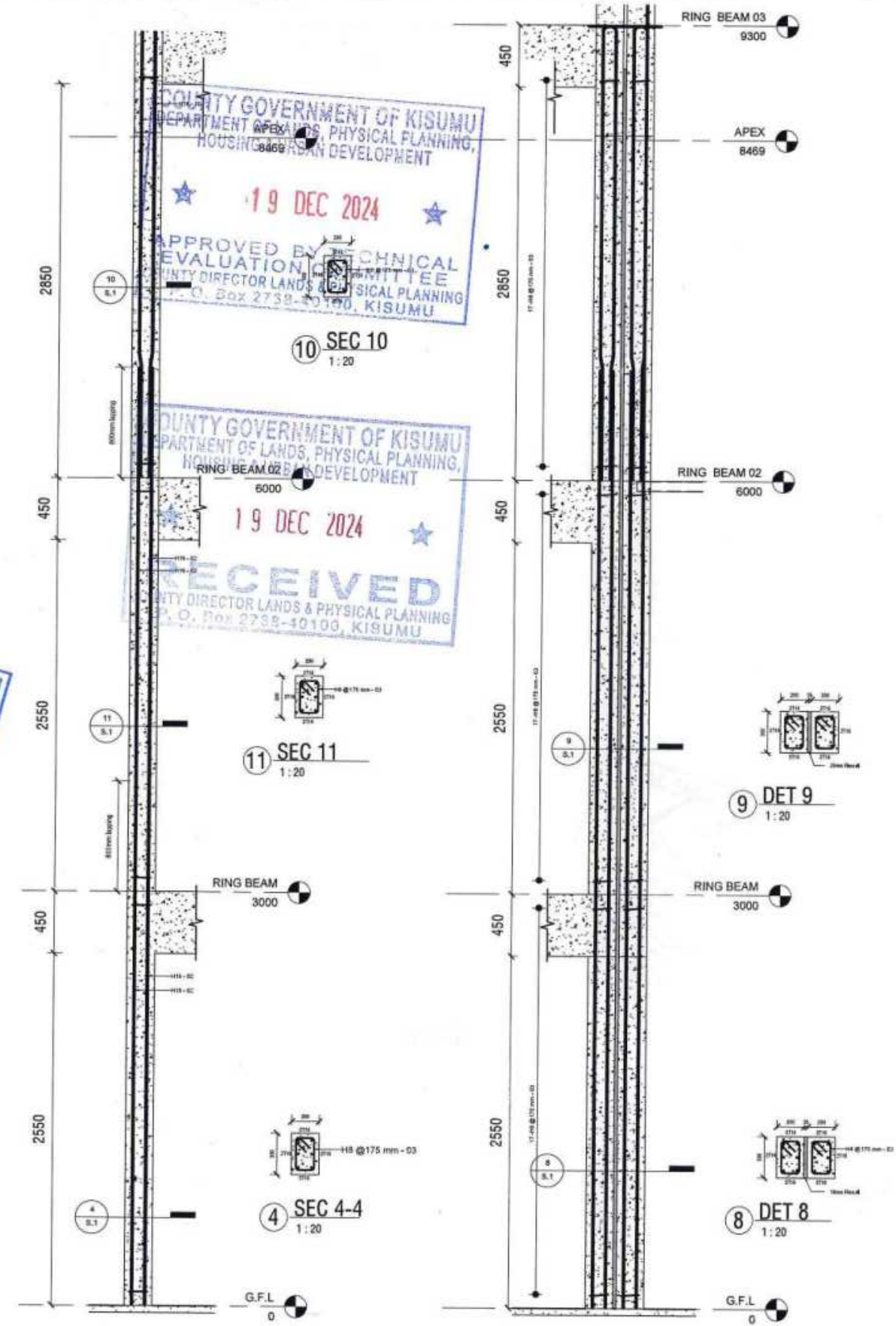
5 PLAN OF COLUMN BASE PLATE WITH BOLTS.
1:3



6 PLAN OF COLUMN.
1:3



7 SECTION A-A
1:5



3 C-01
1:20

2 COLUMNS AT EXPANSION JOINT
1:20

GENERAL NOTES 1) This drawing must be read in conjunction with relevant engineer's and architectural drawings. 2) The contractor shall check all dimensions on site, any error, due to omission shall be reported to the engineer before work is commenced. 3) The latest amendments or revision shall supersede all other issues which shall be destroyed. REVISIONS 1) Drawing under preparation for 1:1 scale 2) All reinforced concrete to be cast in place 28 day curing a minimum curing strength of 20 MPa at 28 days.	3) Cement shall be portland cement to comply with BS 12. 4) Maximum aggregate size shall be 20mm unless otherwise stated. REINFORCEMENT 1) R indicate hot rolled mild steel to BS4449. 2) In indicate cold rolled high tensile steel to BS4449. 3) Fabric reinforcement shall be to BS4449. 4) All reinforcement shall be provided to the engineer for inspection prior to casting. COVERS 1) 50mm to all steel below ground level. 2) 25mm to columns above ground level. 3) 25mm to steel in beams. 4) 25mm to steel in slabs and staircase.	Project: PROPOSED ALTERATION AND REFURBISHMENT OF MASENO UNIVERSITY RETIREMENT BENEFIT SCHEME (MURBS BUILDING) - FOURTH FLOOR. Project Title: GENERAL DETAIL DRAWINGS.	Client: MASENO UNIVERSITY RETIREMENT BENEFIT SCHEME (MURBS)	ARCHITECT: STATE DEPARTMENT OF PUBLIC WORKS P.O. BOX 821-40100, KISUMU, KENYA.	STRUCTURAL ENGINEER:	MEP ENGINEER:	QUANTITY SURVEYOR:	DATE ENGINEER:	Designed by: _____ Date: _____ Drawn by: _____ Date: _____ Checked by: _____ Date: _____ Approved by: _____ Date: _____ Scale: 1:20 Date: 20th SEP 2024
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