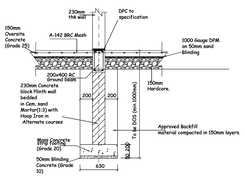
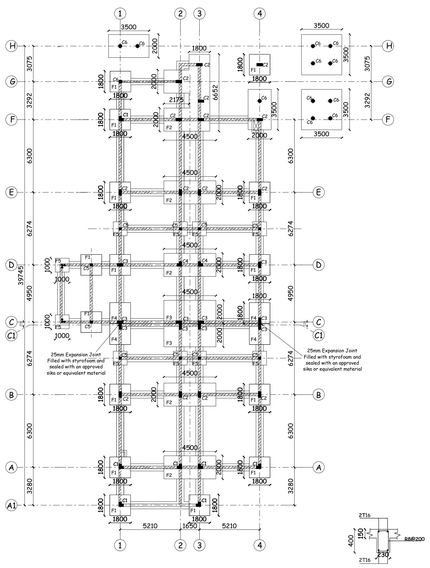


TYPICAL SECTION THROUGH STRIP WALL FOOTING

SECTION thru suspended FLOOR SLAB

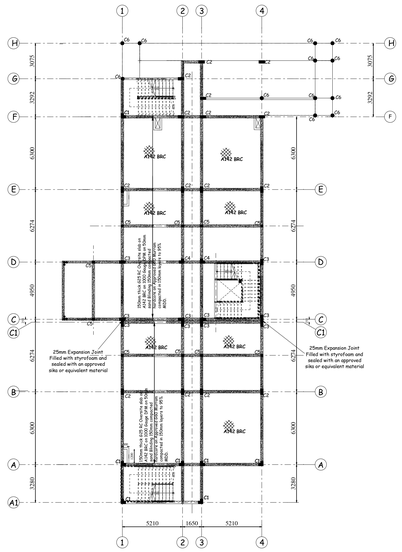
SUSPENDED SLAB CONSTRUCTION NOTES

1. Overall slab thickness is 225mm
2. 75mm thick concrete toping
3. 300x300x150mm thick maxspans
4. A142 BRC mesh in concrete toping

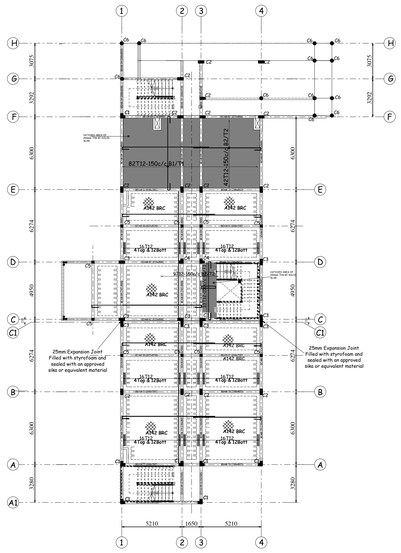


FOUNDATION LAYOUT

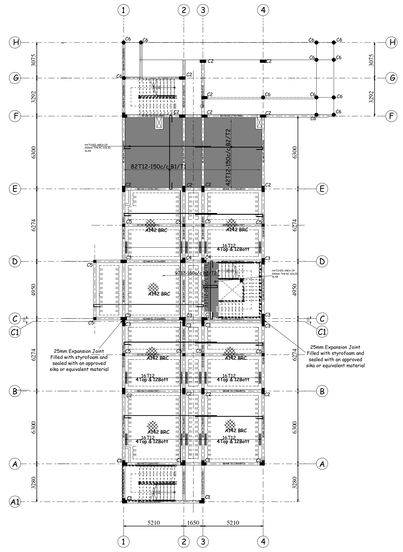
Section thru Ground Beam.



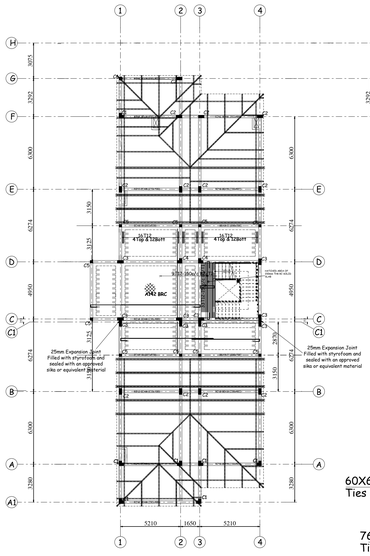
GROUND FLOOR



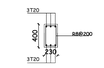
FIRST FLOOR



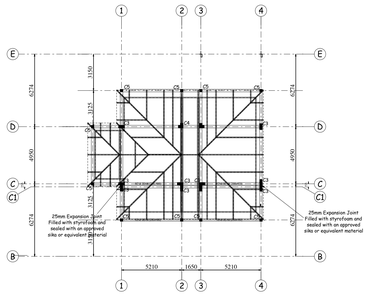
SECOND, THIRD FLOOR



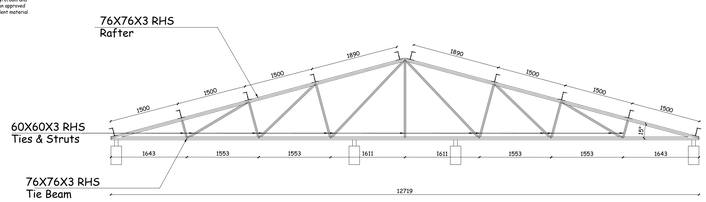
FOURTH FLOOR



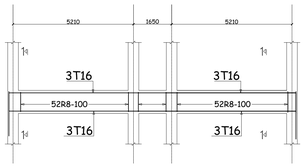
Section thru Ring Beam.



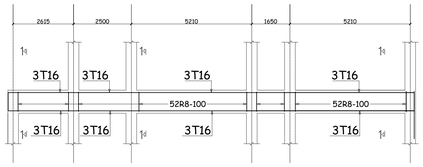
RING BEAM LEVEL



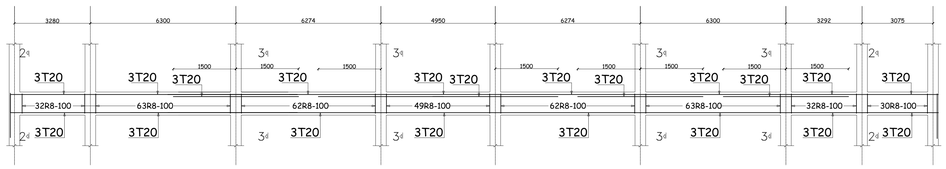
TYPICAL TRUSS DETAILS



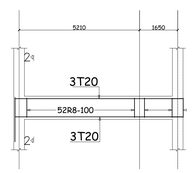
BEAM 1 (230 x 500)



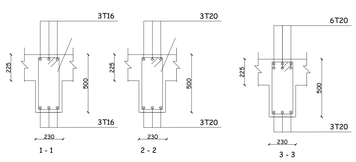
BEAM 2 (230 x 500)

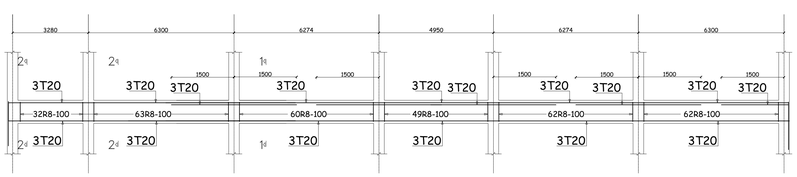


BEAM 4 (230 x 500)



BEAM 3 (230 x 500)

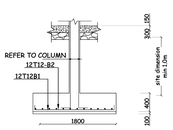




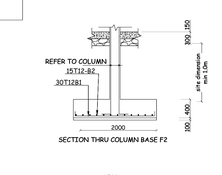
BEAM 5 (230 x 500)

FOUNDATION CONSTRUCTION NOTES

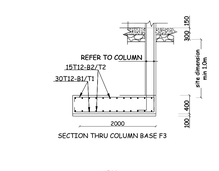
1. ALL CONCRETE TO PADS, COLUMNS AND BEAMS TO BE OF CLASS C25
2. 20mm AGGREGATES SIZE



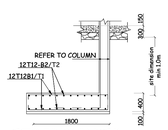
SECTION THRU COLUMN BASE F2



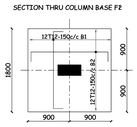
SECTION THRU COLUMN BASE F2



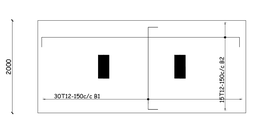
SECTION THRU COLUMN BASE F3



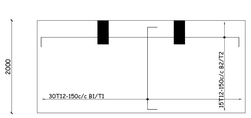
SECTION THRU COLUMN BASE F2



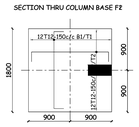
COLUMN BASE F1 (1800X1800X400)



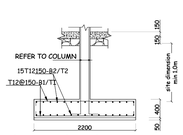
COLUMN BASE F1 (2000X4500X400)



COLUMN BASE F3 (2000X4500X400)



COLUMN BASE F4 (1800X1800X400)



SECTION THRU REINFORCED STRIP FOOTING

General Notes

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FOUNDATIONS HAVE BEEN DESIGNED ON BEARING PRESSURE OF 200 KN/m^2
FOUNDATION DEPTH TO BE DETERMINED BY ENGINEER PRIOR TO PLACING CONCRETE. MINIMUM FOUNDATION DEPTH TO BE 1500mm BELOW FLOOR LEVEL OR 600 mm BELOW SPLASH APRON LEVEL WHICHEVER IS CRITICAL
MAXIMUM ALLOWABLE FILL BELOW GROUND SLAB = 500 mm

4 - BLOCK WORK
ALL LOAD BEARING BLOCK WALLS TO BE CONSTRUCTED FROM SOLID BLOCK OF 5.0 N/mm MIN. CHARACTERISTIC COMPRESSION STRENGTH COMPLYING WITH BS 5628 PART1 1978 STRUCTURAL USE OF UNREINFORCED MASONRY MORTAR TO CONFORM TO MORTAR DESIGNATION (III) OF TABLE 1 BS 5628 PART1

5 - CONCRETE

PROPOSED USE	GRADE	PERMITTED TYPE AGGREGATE		MAX. SIZE AGGREGATE	WORKABILITY
		COARSE	FINE		
REINFORCED CONC. (INCLUDING GROUND BEARING SLAB)	C 25	BS 882	BS 882	20mm	MEDIUM (75)
CONCRETE CONTAINING NO EMBEDDED METAL	C 15	BS 882	BS 882	40mm	MEDIUM (75)
BLINDING CONCRETE	C 15	BS 882	BS 882	20mm	MEDIUM (75)
CONCRETE IN MINOR ELEMENTS e.g LINTELS	C 25	BS 882	BS 882	10mm	MEDIUM (75)

LOCATION	COVER
TO MESH IN GROUND SLAB	30 mm
COLUMNS (COVER TO LINKS)	25 mm
SLAB (COVER TO MAIN BARS)	25 mm
FOUNDATIONS	
TOP AND BOTTOM	50 mm
SIDES	75 mm

6 - JOINTS
MOVEMENT JOINTS TO BE AT A MAXIMUM 9.0M CENTRES. JOINT POSITIONS AS INDICATED ON DRG. JOINT IN SLAB TO BE CARRIED THROUGH WALLS TO UNDERSIDE OF RING BEAM

7 - WALL TIES
PROVIDE MASONRY ANCHORS EVERY 2 COURSES USING GALVANISED . MILD STEEL DEBOND TIES TO BS 1243 . 1978

8 - REINFORCEMENT
REINFORCEMENT TO BE IN ACCORDANCE WITH CONSULTING ENGINEER'S SPECIFICATION.
R - - - - - - - DENOTES ROUND MILD STEEL BARS
T - - - - - - - DENOTES HIGH YIELD BOND STRENGTH BARS.

CLIENT

Muni University
P.O.BOX :725, Arua

CONSULTANT

FENCON Consulting Engineers LTD,
Plot 60, Seguku, Entebbe Road.
P.O BOX 24922, KAMPALA, Tel: +256 414660228
Email: info@fenconconsulting.com;
Web; www.fenconconsulting.com;

PROJECT:

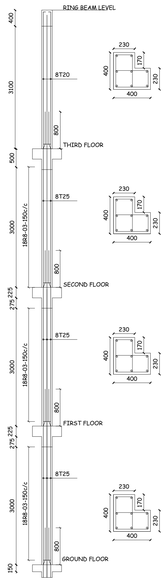
PROPOSED OFFICE BLOCK

TITLE:

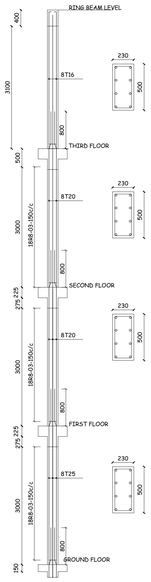
FLOOR LAYOUTS, FOUNDATION DETAILS.

REV.	REVISION	DATE

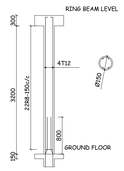
DRAWN BY	A.B
CHECKED BY	F.G
DATE	JANUARY 2021.
DRAWING NO.	STL-01
SCALE	1:100



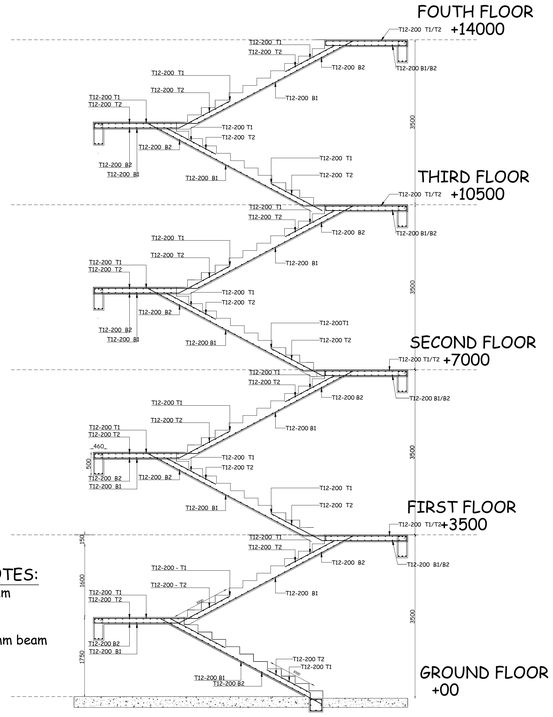
TYPICAL COLUMN C1
(230x400 L Column)



TYPICAL COLUMN C2
(230x500)

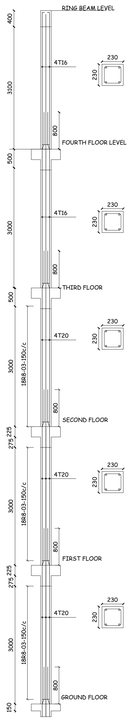


TYPICAL COLUMN C7
(Ø150)

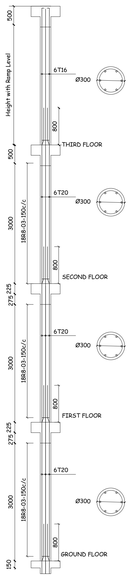


STAIRCASE NOTES:

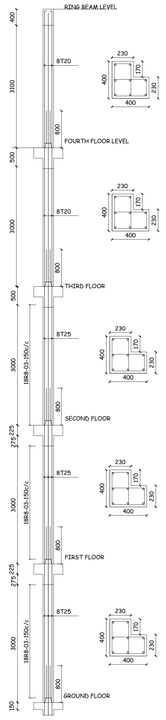
Going/Tread = 300mm
Riser = 159mm
Waist = 150mm
Support; 230x500 mm beam



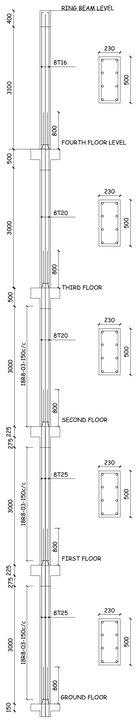
TYPICAL COLUMN C5
(230x230)



TYPICAL COLUMN C6
(300x300)

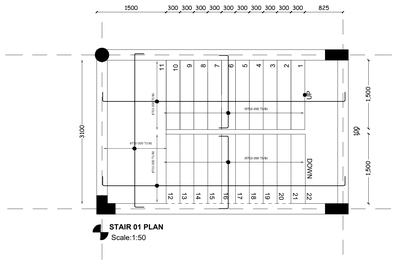


TYPICAL COLUMN C4
(400x400 L-Column)



TYPICAL COLUMN C3
(230x500)

Section Thru Staircase 2



Staircase 2 Plan

General Notes

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MORTAR TO CONFORM TO MORTAR DESIGNATION (III) OF TABLE 1 BS 5628 PART1

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SIDES	75 mm

6 - JOINTS
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PROVIDE MASONRY ANCHORS EVERY 2 COURSES USING GALVANISED . MILD STEEL DEBOND TIES TO BS 1243 . 1978

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REINFORCEMENT TO BE IN ACCORDANCE WITH CONSULTING ENGINEER'S SPECIFICATION.
R - - - - - - - DENOTES ROUND MILD STEEL BARS
T - - - - - - - DENOTES HIGH YIELD BOND STRENGTH BARS.

CLIENT

Muni University
P.O.BOX :725, Arua

CONSULTANT

FENCON Consulting Engineers LTD,
Plot 60, Seguku, Entebbe Road.
P.O BOX 24922, KAMPALA, Tel: +256 414660228
Email: info@fenconconsulting.com;
Web; www.fenconconsulting.com;

PROJECT:

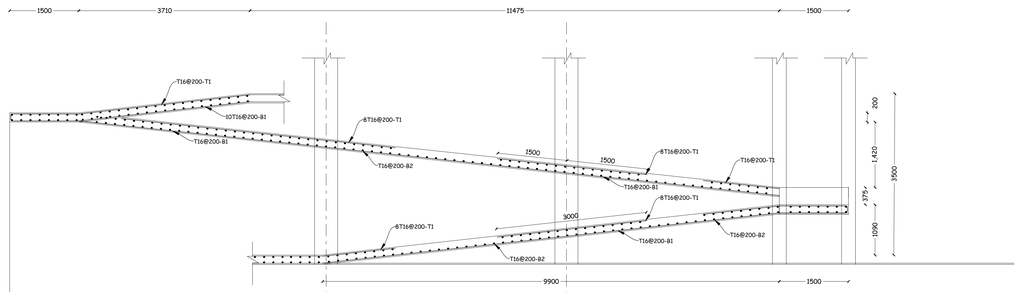
PROPOSED OFFICE BLOCK

TITLE:

COLUMN AND STAIRCASE DETAILS

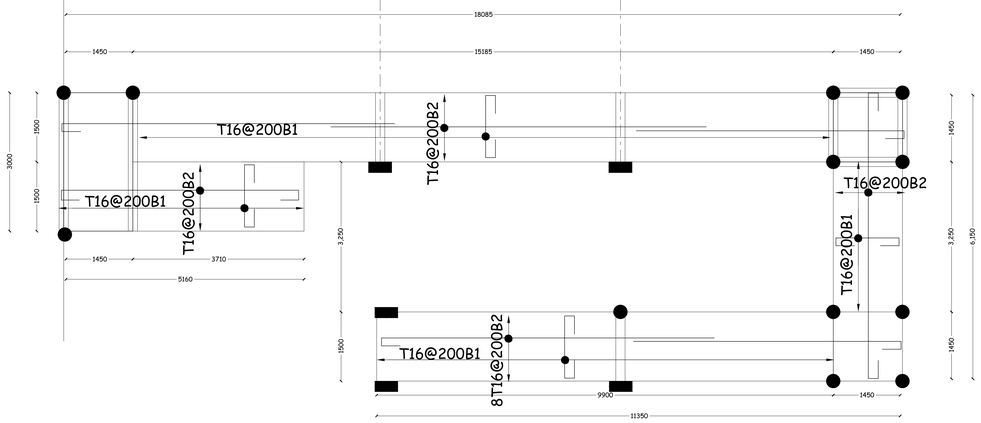
REV.	REVISION	DATE

DRAWN BY	A.B
CHECKED BY	F.G
DATE	JANUARY 2020
DRAWING NO.	STL-02
SCALE	1:100

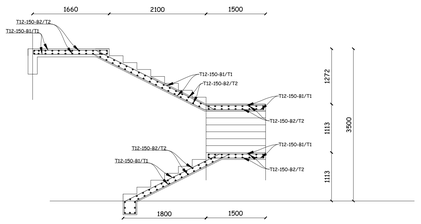


TYPICAL RAMP SECTION

Scale:1:100



TYPICAL RAMP PLAN



Typical Section Thru Staircase 1

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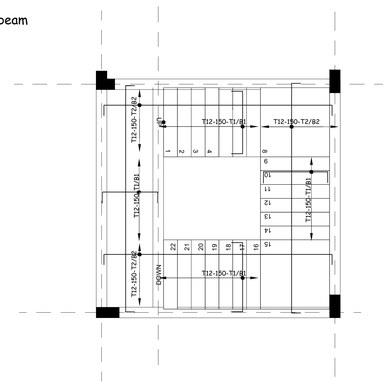
Waist = 150mm
Support; 230x500 mm beam



Staircase 1 Plan

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T - - - - - - - DENOTES HIGH YIELD BOND STRENGTH BARS.

CLIENT

Muni University
P.O.BOX :725, Arua

CONSULTANT

FENCON Consulting Engineers LTD,
Plot 60, Seguku, Entebbe Road.
P.O BOX 24922, KAMPALA, Tel: +256 414660228
Email: info@fenconconsulting.com;
Web; www.fenconconsulting.com;

PROJECT:

PROPOSED OFFICE BLOCK

TITLE:

RAMP DETAILS

REV	REVISION	DATE

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