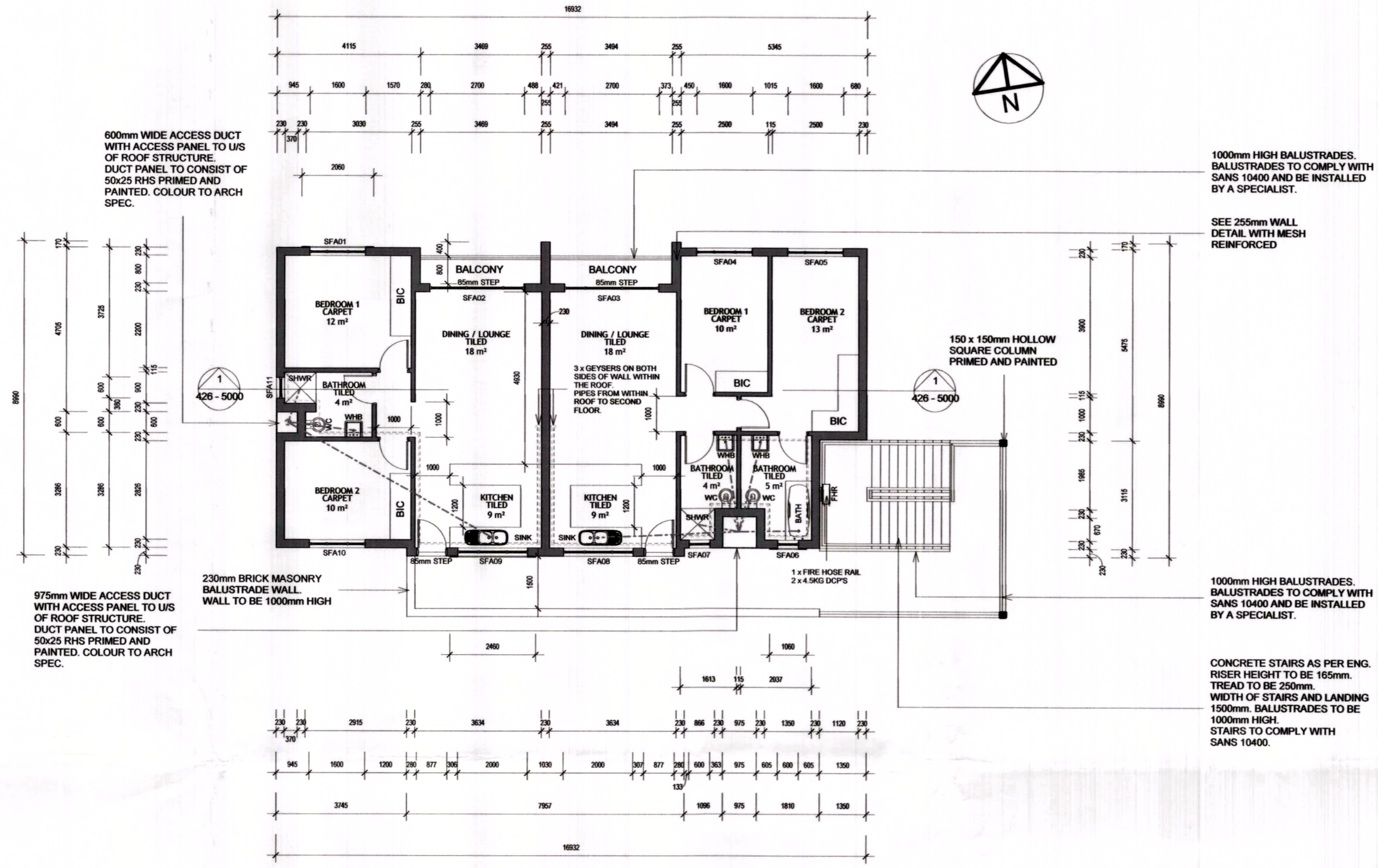


# BLOCK - A

UNIT - 6

UNIT - 5

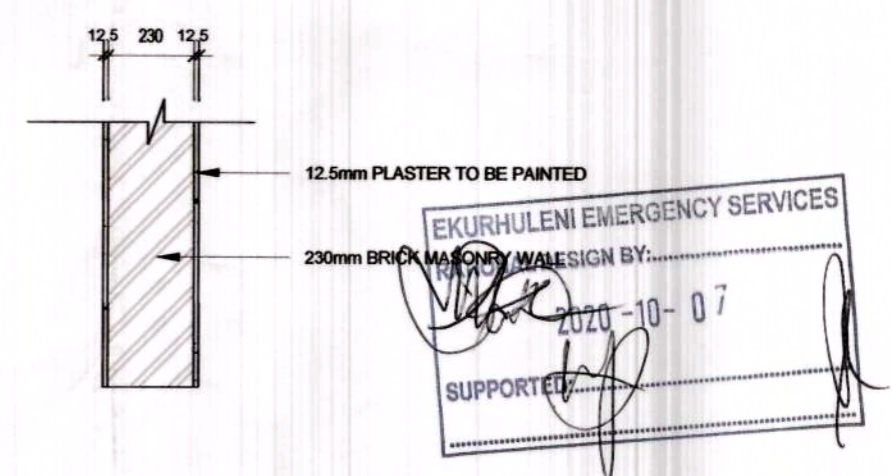


1 Second Storey Block - A  
1: 100

HOT WATER CALCULATIONS FOR 2 x BEDROOM UNITS	
<b>HOT WATER SERVICES</b>	
TYPE OF ACCOMODATION:	DWELLING HOUSE - HI RENTAL = 115-140L
NO. OF PERSONS:	4 (2 PEOPLE/ BEDROOM)
ASSUMED HOT WATER CONSUMPTION:	115L
ASSUMED DAILY HOT WATER CONSUMPTION:	(115 x 4) = 460L
50% OF ANNUAL HOT WATER CONSUMPTION:	230L/MIN. VOLUME OF WATER TO HEATED BY MEANS OTHER THAN ELEC. RESISTANCE HEATING)
<b>INSULATION REQUIREMENTS:</b>	
INTERNAL DIAMETER OF HOT WATER PIPES:	<80MM
MINIMUM REQ. R-VALUE OF PIPE INSULATION:	1.0
<b>HOT WATER TANKS:</b>	
MINIMUM REG. R-VALUE FOR TANK:	2.0

---	COLD WATER PIPE
---	WASTE PIPE
---	SOIL PIPE
---	HOT WATER PIPE ( HWP )

255mm WALL DETAIL WITH MESH REINFORCED



Revision	Date	Drawn	Description
1	2020-11-25	W.P. GEYER	ISSUED FOR APPROVAL

W.P. GEYER Pr.Eng.  
ECSA Reg.No 790011  
NHBRC Reg.No 668

**GENERAL NOTES**

ALL WORKS TO COMPLY WITH SANS 10400 OR BY RATIONAL APPROVED DESIGN TO COMPLY WITH FOLLOWING GUIDELINES

B: Structural Design SANS 10400-B, Structural design  
C: Dimensions SANS 10400-C, Dimensions  
D: Public Safety SANS 10400-D, Public safety  
F: Site Operations SANS 10400-F, Site operations  
G: Excavations SANS 10400-G, Excavations  
H: Foundations SANS 10400-H, Foundations  
J: Floors SANS 10400-J, Floors  
K: Walls SANS 10400-K, Walls  
L: Roofs SANS 10400-L, Roofs  
M: Stairways SANS 10400-M, Stairways  
N: Glazing SANS 10400-N, Glazing  
O: Lighting and Ventilation SANS 10400-O, Lighting and ventilation  
P: Drainage SANS 10400-P, Drainage  
Q: Non-water-borne Means of Sanitary Disposal  
SANS 10400-Q, Non-water-borne means of sanitary disposal  
R: Stormwater Disposal SANS 10400-R, Stormwater disposal  
S: Facilities for Persons with Disabilities SANS 10400-S, Facilities for persons with disabilities  
T: Fire Protection SANS 10400-T, Fire protection  
V: Space Heating SANS 10400-V, Space heating  
W: Fire Installation SANS 10400-W, Fire installation

**COPYRIGHT NOTE**  
THIS DRAWING IS SUBJECT TO COPYRIGHT AND MAY NOT BE REPRODUCED, IN WHOLE OR PART, OR IN ANY MANNER WHATSOEVER WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT.

**DISCLAIMER NOTE**  
DATA COPIES IN ANY FORMAT SHOULD BE READ IN CONJUNCTION WITH HARD COPIES AT ALL TIMES

**SCALING**  
DRAWINGS SHOULD NOT TO BE SCALED REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE CONSTRUCTION OR MANUFACTURING

**SPECIFICATIONS**  
ALL COMPONENTS AND MATERIALS TO BE SABS CERTIFIED AND TO COMPLY WITH SANS 10400 & 204

**STRUCTURE**  
ALL STRUCTURAL COMPONENTS TO ENGINEER DETAILS AND SPECIFICATIONS

CLIENT / DEVELOPER: *[Signature]*  
**TRAGWEITE PROPERTY (PTY) LTD**  
Building GE02 Kooisboom Avenue Ext, Riverfields  
Tel: + 27 (0)72 888 0388  
Reg No: 2017/206406/07  
www.tragweite.co.za | info@tragweite.co.za

CONSTRUCTION:  
**TECTONIKA (PTY) LTD**  
Building GE02 Kooisboom Avenue Ext, Riverfields  
Tel: 01020204963  
Reg No: 2017/100345/07  
www.tectonika.co.za | info@tectonika.co.za  
NHBRC: 3200154054  
VAT: 4710278344

ENGINEERS:  
**WILLEM P. GEYER**  
ENGINEERS & PROFESSIONAL SERVICES BS(Eng)/CIV  
EDLEEN 1625, R.S.A  
Tel: + 27 (0)83 660 4915  
ECSA: 790011 - M.S.A.I.C.E.  
NHBRC: 668  
geyer@professionalservices.co.za

**UHURU PEAK ESTATE**

PROJECT ARCHITECT:  
CONTACT:  
SIGNATURE:  
**A1**  
SCALE: As Indicated  
DATE: Issue Date

DRAWING DESCRIPTION:  
**Second Storey Floor Plan Block - A**  
JOB NUMBER: 426 DRAWING NUMBER: 426 - 2100

REVISION NO:  
1