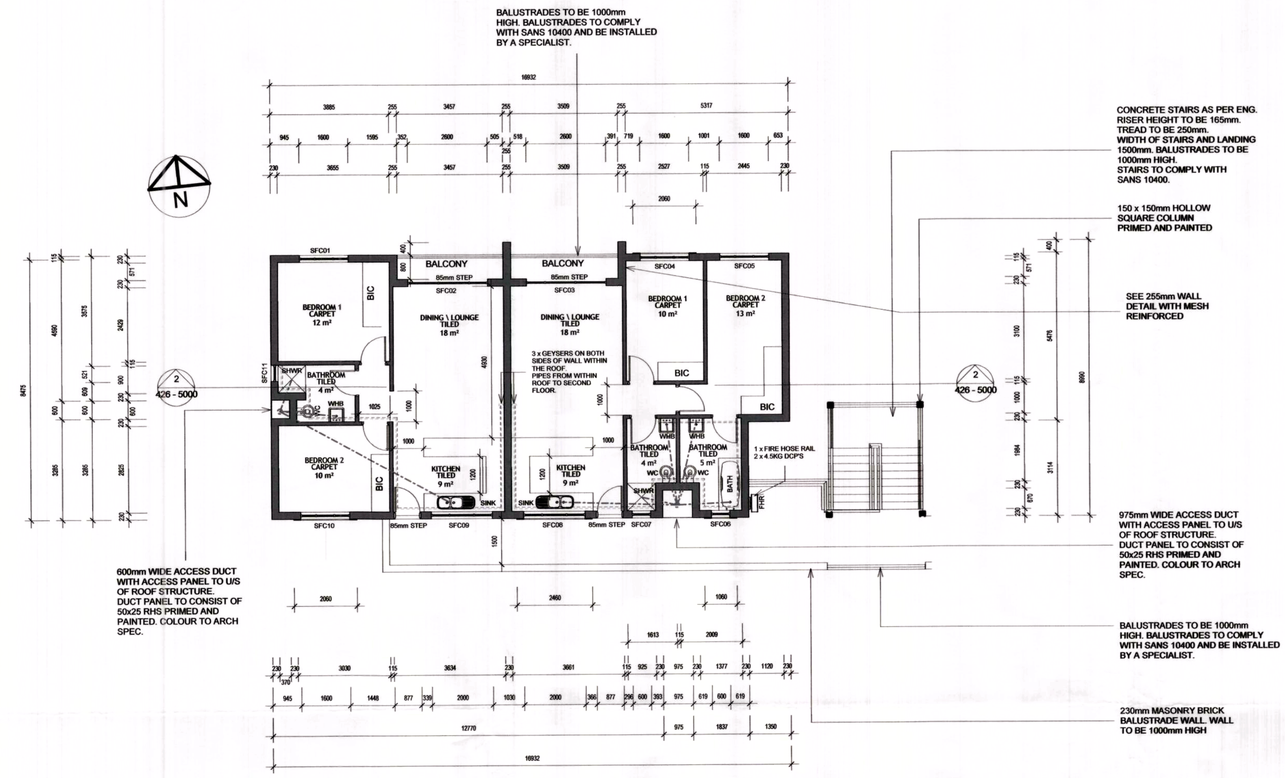
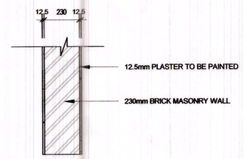
BLOCK - C

UNIT - 6 UNIT - 5



1 Second Storey Block - C
1 : 100

255mm WALL DETAIL WITH MESH REINFORCED



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

HOT WATER CALCULATIONS FOR 2 x BEDROOM UNITS

HOT WATER SERVICES

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)

INSULATION REQUIREMENTS:

INTERNAL DIAMETER OF HOT WATER PIPES:	<80MM
MINIMUM REQ. R-VALUE OF PIPE INSULATION:	1.0

HOT WATER TANKS:

MINIMUM REG. R-VALUE FOR TANK:	2.0

HOT WATER CALCULATIONS FOR 3 x BEDROOM UNITS

HOT WATER SERVICES

TYPE OF ACCOMODATION:	DWELLING HOUSE - HI RENTAL = 115-140L
NO. OF PERSONS:	6 (2 PEOPLE/ BEDROOM)
ASSUMED HOT WATER CONSUMPTION:	115L
ASSUMED DAILY HOT WATER CONSUMPTION:	(115 x 6) = 690L
50% OF ANNUAL HOT WATER CONSUMPTION:	345L/MIN. VOLUME OF WATER TO HEATED BY MEANS OTHER THAN ELEC. RESISTANCE HEATING)

INSULATION REQUIREMENTS:

INTERNAL DIAMETER OF HOT WATER PIPES:	<80MM
MINIMUM REQ. R-VALUE OF PIPE INSULATION:	1.0

HOT WATER TANKS:

MINIMUM REG. R-VALUE FOR TANK:	2.0

EKURHULENI METROPOLITAN MUNICIPALITY
2020 -10- 29
HEALTH AND SOCIAL DEVELOPMENT
ENVIRONMENTAL HEALTH

Ekurhuleni METROPOLITAN MUNICIPALITY
2020 -11- 25
APPROVED
A. BASSON
SIGNATURE
AUTHORISED IN TERMS OF SEC 7 (6) OF THE NBA

EKURHULENI EMERGENCY SERVICES
FINAL DESIGN BY:
2020 -10- 07
SUPPORTED

EKURHULENI METROPOLITAN MUNICIPALITY
M.I. DEPARTMENT
ELECTRICITY: BENONI
(EASTERN REGION)
PLEASE NOTE
Electrical Contractor to provide electrical service cable from Municipal point of connection to Electrical Termination box / meter box / Energy dispenser.
24/11/2020
Electricity (Benoni)

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

EKURHULENI METROPOLITAN MUNICIPALITY
BUILDING CONTROL DIVISION - PLAN NO:
RECOMMENDED FOR APPROVAL
DEPARTMENT
SIGNATURE
DATE
WATER SERVICES
CITY PLANNING OPERATIONS
ENVIRONMENTAL HEALTH
ENERGY
EMERGENCY SERVICES
ROADS
STORM WATER
DOLOMITE
SOLID WASTE
WATER QUALITY
CONSERVATION & RESOURCE MANAGEMENT

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*

24/10/2020 x. geyer 150 ø @ 1m c/c + 1m c/c.

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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 Koorsboom Avenue Ext, Riverfields
tel : + 27 (0)72 888 0388
Reg No : 2017/206408/07
www.tragweite.co.za | info@tragweite.co.za

CONSTRUCTION :
SIGNATURE

TECTONIKA (PTY) LTD
Building GE02 Koorsboom Avenue Ext, Riverfields
tel : 0100204963
Reg No : 2017/100345/07
www.tectonika.co.za | info@tectonika.co.za
NHBRC : 3000184064
VAT : 4710278344

ENGINEERS :
SIGNATURE

WILLEM P. GEYER
Pr.Eng.
ENGINEERS & PROFESSIONAL SERVICES BS(Eng)(CIV)
EDLEEN 1625, R.S.A
tel : + 27 (0)83 600 4815
ECSA : 790011 - M.S.A.I.C.E.
NHBRC : 668
geyer@professionalservices.co.za

UHURU PEAK ESTATE

Revision	Date	Drawn	Description
10	Date 10		Revision 10

PIEK ARCHITECTS
Building GE02 Koorsboom Avenue Ext, Riverfields
tel : 083 287 3091
www.piekarchitects.co.za | info@piekarchitects.co.za

Architect :
SIGNATURE

PROJECT :
ALLIANCE 2

STAND NO. :
Erf 1625

PROJECT ARCHITECT
CONTACT
SIGNATURE
DRAWN Author
SCALE As indicated
DATE Issue Date

DRAWING DESCRIPTION
Second Storey Floor Plan Block - C

JOB NUMBER	DRAWING NUMBER :
426	426 - 2500

REVISION NO.

2020/01/22 07:50:52