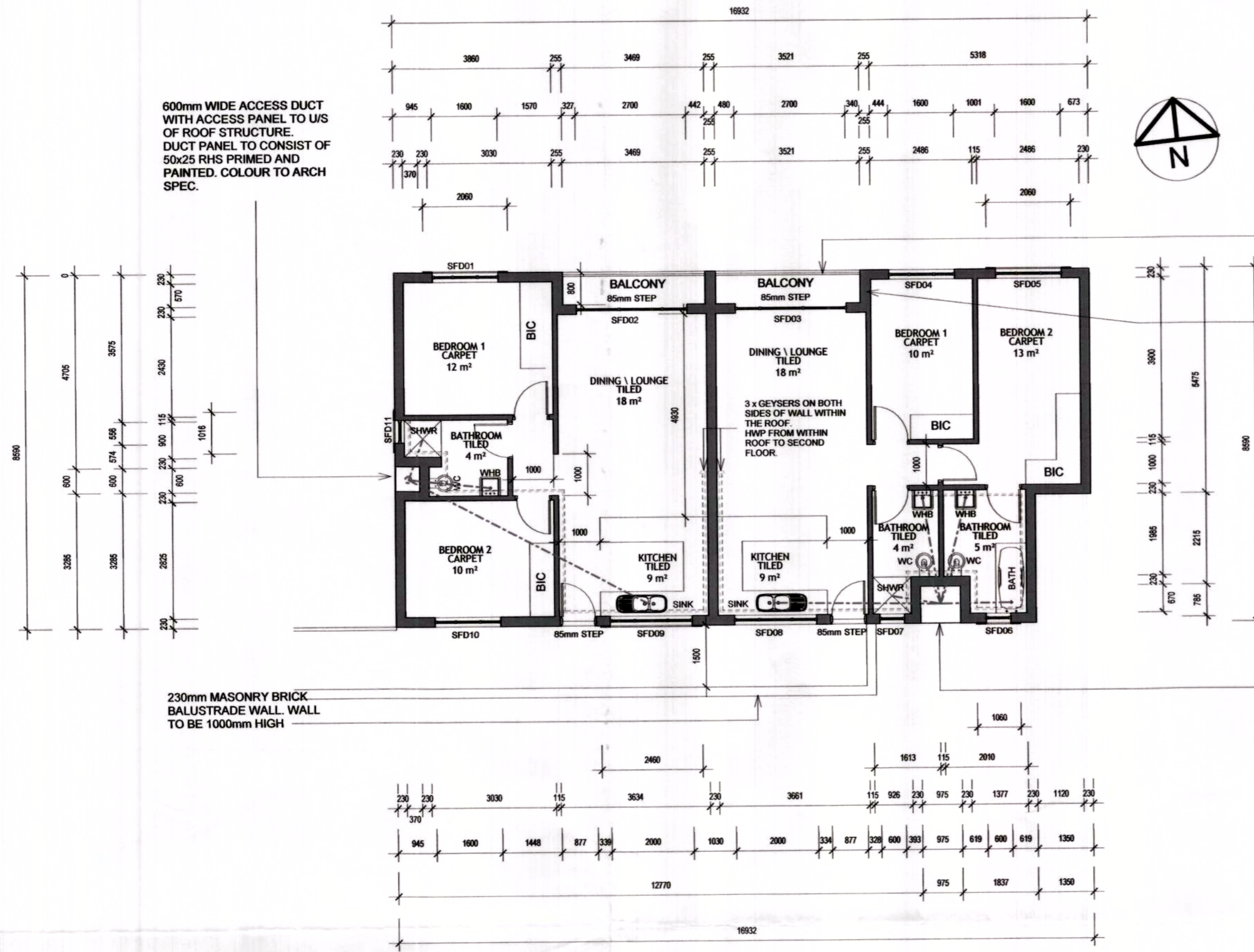


BLOCK - D

UNIT - 5 UNIT - 6



600mm WIDE ACCESS DUCT WITH ACCESS PANEL TO U/S OF ROOF STRUCTURE. DUCT PANEL TO CONSIST OF 50x25 RHS PRIMED AND PAINTED. COLOUR TO ARCH SPEC.

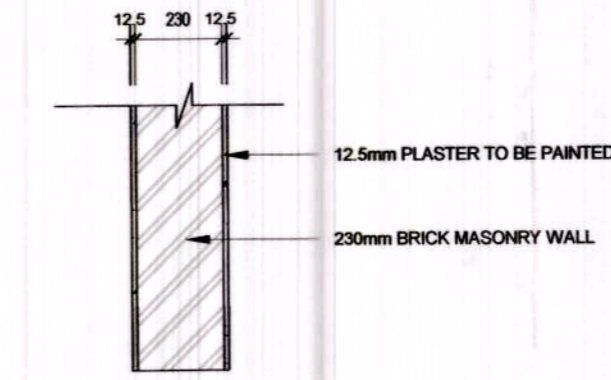
230mm MASONRY BRICK BALUSTRADE WALL. WALL TO BE 1000mm HIGH

1000mm HIGH BALUSTRADES. BALUSTRADES TO COMPLY WITH SANS 10400 AND BE INSTALLED BY A SPECIALIST

SEE 255mm WALL DETAIL WITH MESH REINFORCED

975mm WIDE ACCESS DUCT WITH ACCESS PANEL TO U/S OF ROOF STRUCTURE. DUCT PANEL TO CONSIST OF 50x25 RHS PRIMED AND PAINTED. COLOUR TO ARCH SPEC.

255mm WALL DETAIL WITH MESH REINFORCED



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

EKURHULENI METRO MUNICIPALITY
M.I. DEPARTMENT
ELECTRICITY BENONI
(EASTERN REGION)

PLEASE NOTE
Electrical Contractor to provide electrical service cable from Municipal point of connection to service termination box in meter box.
Electrical Engineer: *(Signature)* (Benoni)

- 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

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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)*
SIGNATURE: *(Signature)*

TRAGWEITE PROPERTY (PTY) LTD
Building GEO2 Kloofboom Avenue Ext. Riverfields
Tel: +27 (0)12 888 0388
Reg No: 2017720640807
www.tragweite.co.za | info@tragweite.co.za

CONSTRUCTION: *(Signature)*
SIGNATURE: *(Signature)*

TECTONIKA (PTY) LTD
Building GEO2 Kloofboom Avenue Ext. Riverfields
Tel: 0102024963
Reg No: 2017110034507
www.tectonika.co.za | info@tectonika.co.za
NHBRC: 3000184064
VAT: 4710278344

ENGINEERS: *(Signature)*
SIGNATURE: *(Signature)*

WILLEM P. GEYER
Pr.Eng.
ENGINEERS & PROFESSIONAL SERVICES BS(Eng)/CVI
EDLEEN 1825, 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
10 Class 10 (Residential)

Revision	Date	Drawn	Description
10	2020-11-25	W.P. Geyer	Final Design

EKURHULENI METRO MUNICIPALITY
BUILDING CONTROL DIVISION - PLAN NO. 1110/2020
RECOMMENDED FOR APPROVAL
DEPARTMENT: WATER SERVICES
CITY PLANNING OPERATIONS
ENVIRONMENTAL HEALTH
ENERGY
EMERGENCY SERVICES
LOADS
STORM WATER
DOLomite
SOLID WASTE
WATER QUALITY
SAFETY STRUCTURAL RESOLUTION

PIEK
Signature: *(Signature)*
Date: 25/11/2020

ALLIANCE 2
STAND NO. **Ert 1825**
Date: 25/11/2020

PROJECT ARCHITECT
CONTACT
SIGNATURE: *(Signature)*

A1
DRAWN: Author
SCALE: As indicated
DATE: Issue Date

DRAWING DESCRIPTION:
Second Storey Floor Plan Block - D

JOB NUMBER: **426** DRAWING NUMBER: **426 - 2700**

REVISION NO.
1

1 Second Storey Block - D
1:100

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
2020-11-25
APPROVED
A. BASSON
PLAN (APPROVAL) IS VALID FOR 12 MONTHS IN TERMS OF SECT (4) OF THE NBR & BSA 133 OF 1977

EKURHULENI METROPOLITAN MUNICIPALITY
HEALTH AND SOCIAL DEVELOPMENT
ENVIRONMENTAL HEALTH
SPRINGS

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