

ROOF ASSEMBLY:

MIN. TOTAL R-VALUE - 2.7 m²h/kW
 DIRECTION - DOWN
 ZONE - 3
 OUTDOOR AIR FLOW (MOVING AIR) R. VALUE=0.05
 ROOFING MATERIAL R. VALUE SIZE VALUE 0.18
 FLEXIBLE INSULATION R. VALUE 0.18
 INDOOR FILM (still air) R. VALUE=0.11

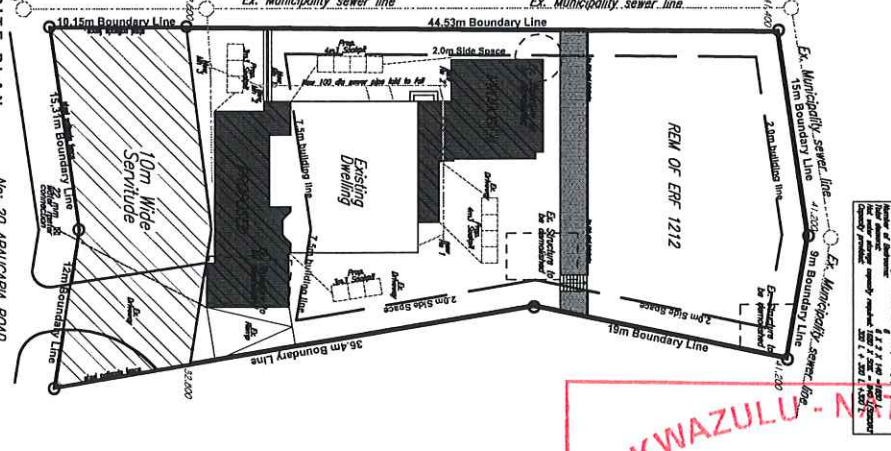
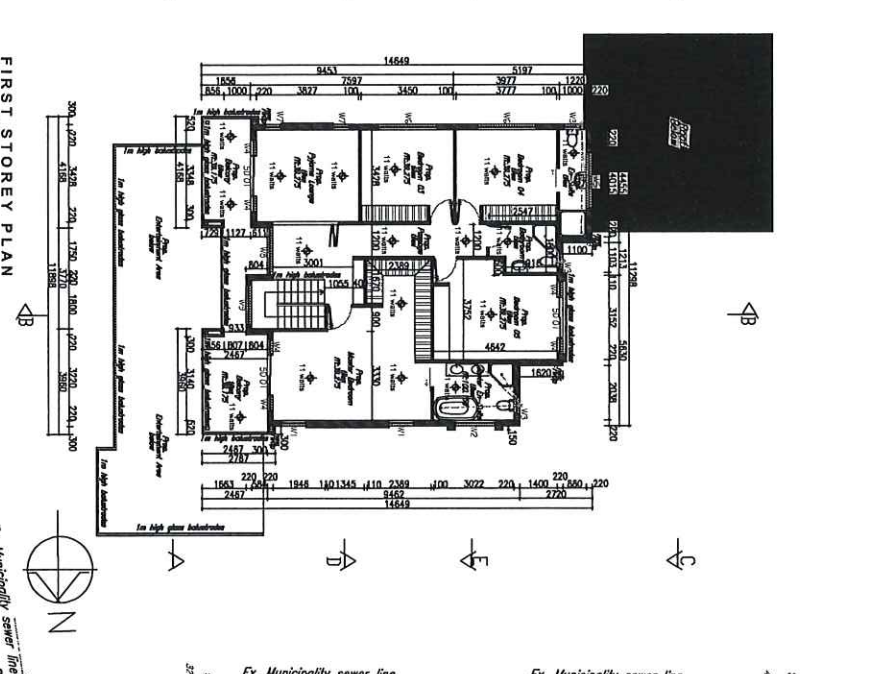
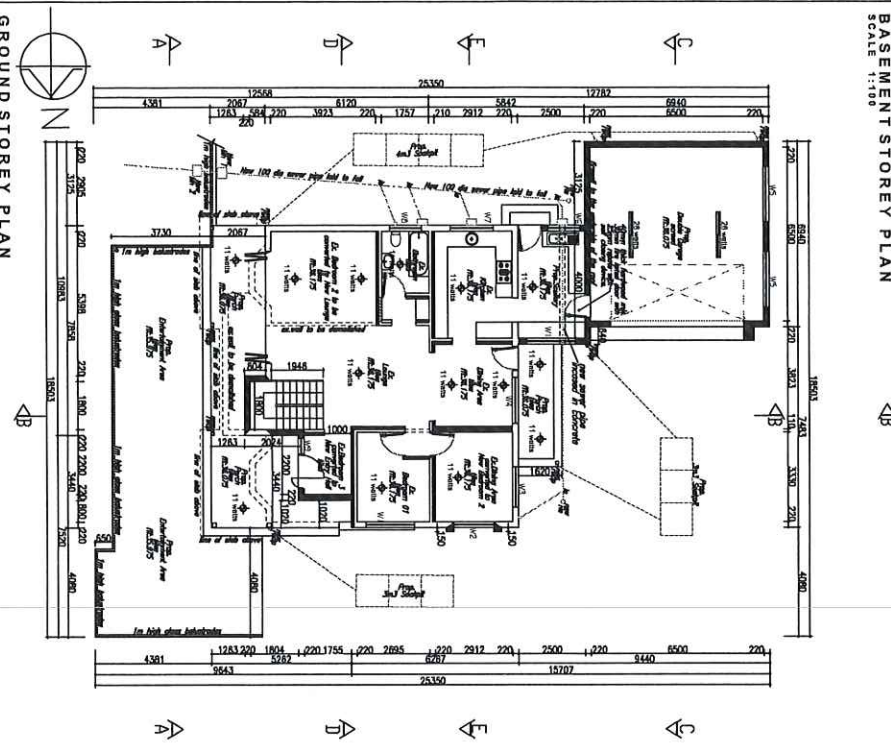
ENERGY DEMAND / ENERGY CONSUMPTION

ENERGY DEMAND = 221.09 kWh/m² x 5
 = 1605.45 kWh/m²

ENERGY CONSUMPTION = 221.09 m² x 5
 = 1605.45 kWh/m²

Lighting 43 watts x 7 hrs x 365 days
 = 1000 kWh

TOTAL ENERGY DEMAND = 1101.21 kWh < 1605 kWh



AREA SCHEDULE

EX. COV.	128.89m ²
PROF. COV.	138.78m ²
TOTAL	267.67m ² (26%)
EX. FAE	128.30m ²
PROF. FAE	163.19m ²
TOTAL FAE	291.49m ² (29%)
SITE AREA	1017 m ²

SIZES

FIRST STOREY : 153.04m²
 GROUND STOREY : 165.00m²
 BREWERY STOREY : 64.48m²
 TOTAL : 382.52m²

PROPOSED, ADDITIONS AND ALTERATIONS TO REMAINING DWELLING BOUNDARY WALL

REMAINING WALL AND DOWNSTAIR STAFF ROOMS

CLIENT: MRS. F. & MRS. P.N. MACHOBODI
 REF: REF OF REF 1212, KINGSBURGH
 ADDRESS: No. 20 ABUQUARI ROAD, KINGSBURGH

KWAZULU-NATAL AIAFA

PERM 22 = APPROVED

AND RESEARCH INSTITUTE

GROUND STOREY PLAN
SCALE 1:100

FIRST STOREY PLAN
SCALE 1:100

SITE PLAN
SCALE 1:200

Basement Storey Plan
SCALE 1:100

Water Schematic Layout
SCALE 1:100

Section I-I

Ground Floor Plan
Scale 1:100

Ground Storey Plan
SCALE 1:100

First Storey Plan
SCALE 1:100

Site Plan
SCALE 1:200

Area Schedule

Sizes

Proposed, Additions and Alterations to Remaining Dwelling Boundary Wall

Client: Mrs. F. & Mrs. P.N. Machobodi

Ref: Ref of Ref 1212, Kingsburgh

Address: No. 20 Abuquari Road, Kingsburgh

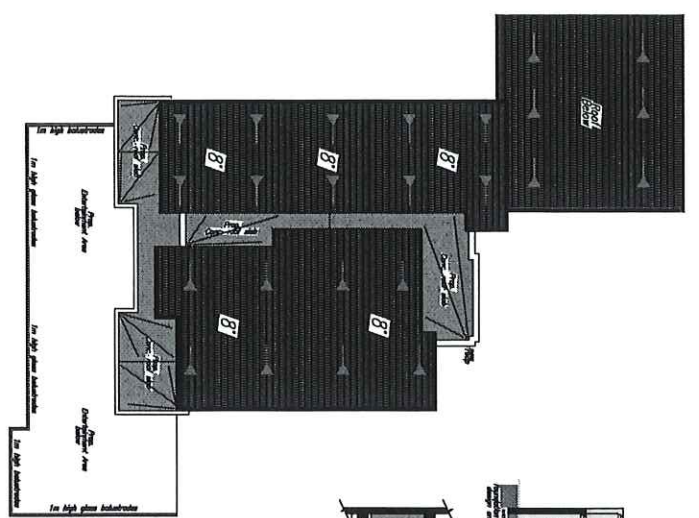
Checked By: E.M. MASHU & T.L. NKOSI

Durban

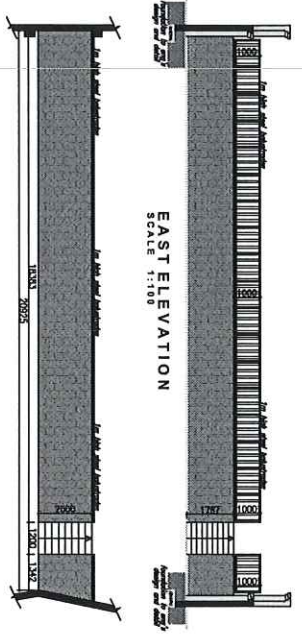
Architect: S.M. MASHU & T.L. NKOSI

Client No: 1212

Date: 02-12-2020

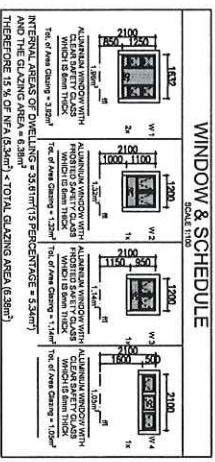


ROOF PLAN
SCALE 1:100

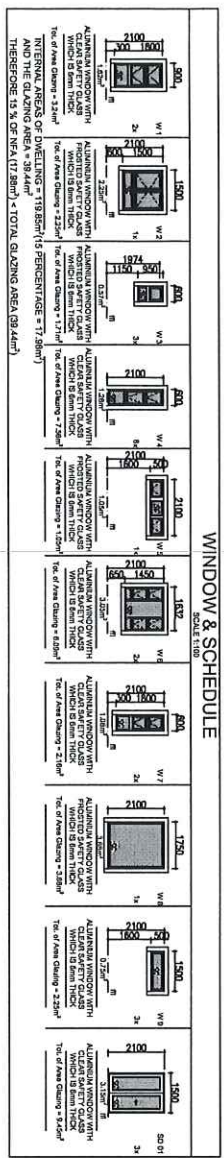


EAST ELEVATION
SCALE 1:100

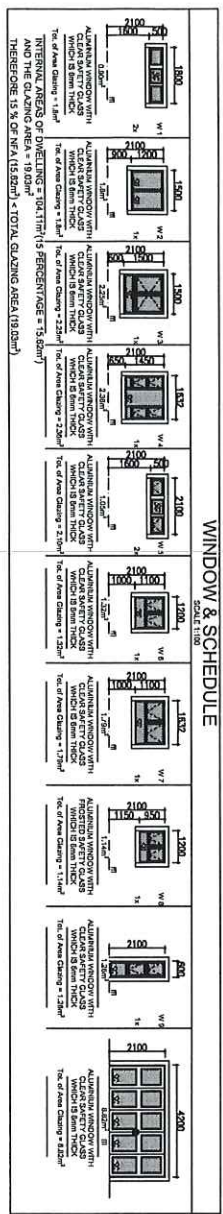
GROUND STOREY PLAN
SCALE 1:100



WINDOW & SCHEDULE
SCALE 1:100



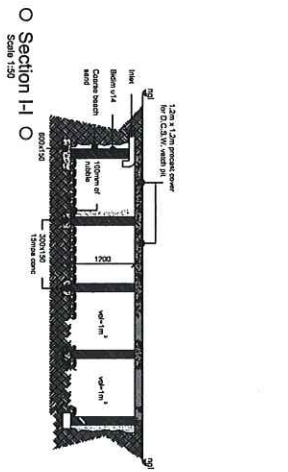
WINDOW & SCHEDULE
SCALE 1:100



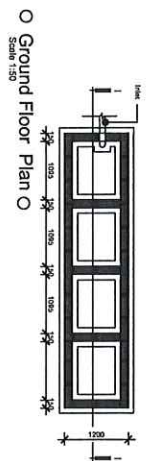
WINDOW & SCHEDULE
SCALE 1:100

ENERGY DEMAND / ENERGY CONSUMPTION
 ENERGY DEMAND = 321.09 0577-5
 ENERGY CONSUMPTION = 1605.45 kWh/m²
 = 1.605 kWh
 = 29 x 11w = 319 W
 4 x 28 w = 112 W
 Total = 431 W (<1605 W)
 LIGHTING 431 Watts x 7 hrs x 365 days
 TOTAL ENERGY DEMAND = 1101.21 kWh < 1605 kWh

ROOF ASSEMBLY:
 MIN TOTAL R-VALUE = 2.72 m²K/W
 DIRECTION - DOWN
 ZONE - 5
 OUTDOOR AIR FLM (MOVING AIR) R-VALUE = 0.03
 ROOFING MATERIAL - R-VALUE 0.02
 ROOFING AIR SPACE (UNVENTED) - R-VALUE 0.18
 FLESH FIBRE GLASS BLANKET - R-VALUE 2.31
 MOOR-FILM (GIBBY) - R-VALUE 0.11



Section H-H
Scale 1:50



Ground Floor Plan
Scale 1:50

KWAZULU - NATAL A.A.A.F.A
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AREA SCHEDULE	AREA
EX. COV.	126.89m²
PROP. COV.	136.79m²
TOTAL	263.68m² (26%)
EX. FAN.	126.30m²
PROP. FAN.	163.19m²
TOTAL	289.49m² (28%)
SITE AREA	1017 m²

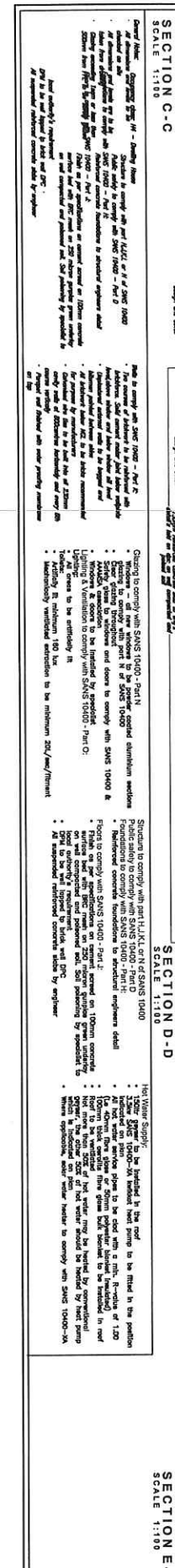
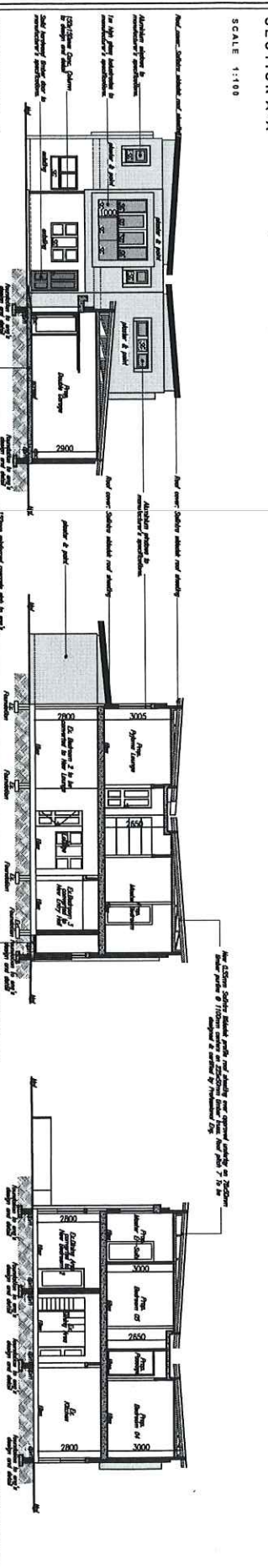
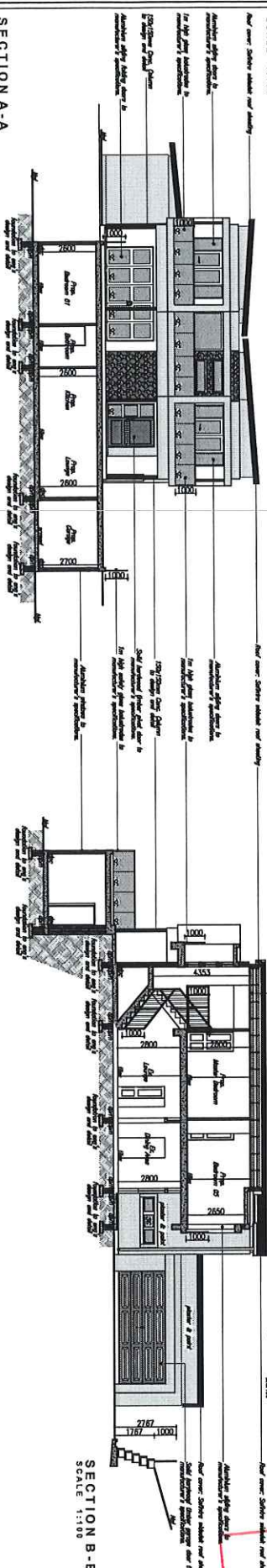
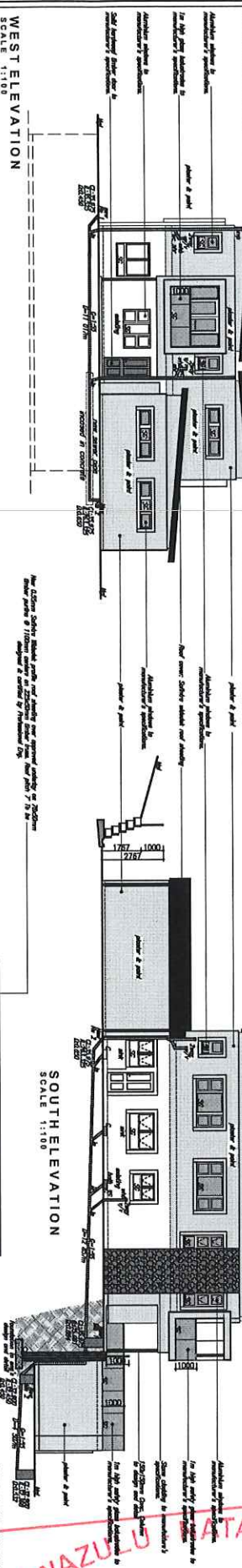
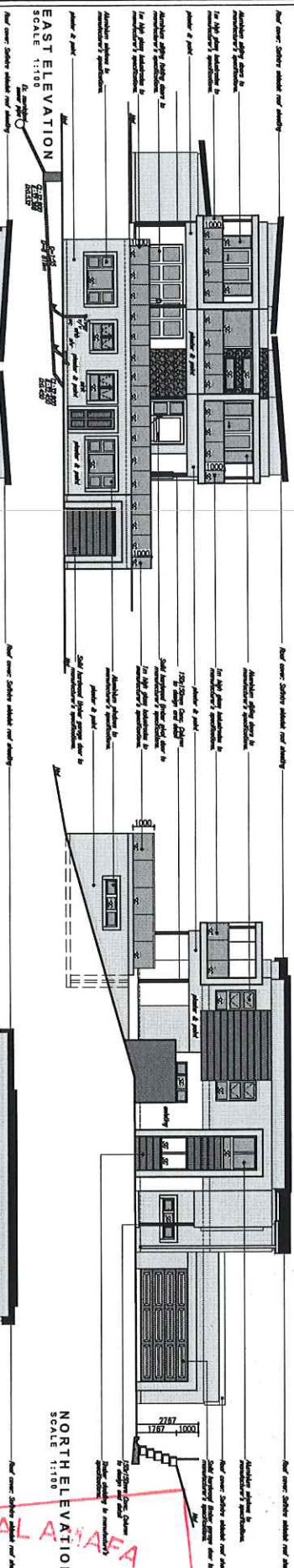
FIRST STOREY : 153.04m²
 GROUND STOREY : 165.00m²
 BASEMENT STOREY : 64.49m²
 TOTAL : 382.53m²

PROPOSED APPROVAL AND PERMISSIONS TO EXISTING DWELLING FOUNDATION WALL REMAINING WALL AND DOMESTIC STAFF ACCOMMODATION
 CLIENT: MRS. F. & MRS. P.N. MOGBOHOZI
 ERF : REM OF ERF 1212, INKOSIBHATHI
 ADDRESS: No. 20 ARUPHUBI ROAD, INKOSIBHATHI

CHECKED BY: EM MANDIBU & TL NKOSI
 ARCHITECTURAL REGISTRATION NO: 1341
 DURBAN ARCHITECTURAL ASSOCIATION

Design Notes:

- All structures and loads to be designed in terms of the relevant code of practice and standards.
- Structures to comply with part 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
- Structures to comply with part 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
- Structures to comply with part 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.



KWAZULU NATAL AREA
PERM 2.2 - APPROVED
AND RESEARCH INSTITUTE

AREA SCHEDULE	
EX. COV.	128.69m ²
EX. PROP.	263.47m ² (28%)
EX. FAR	128.30m ²
EX. PROP.	183.31m ²
EX. FAR	281.99m ² (28%)
SITE AREA	1017 m ²
SIZES	
FIRST STOREY	: 183.04m ²
GROUND STOREY	: 183.00m ²
RESIDENT STOREY	: 64.48m ²
TOTAL	: 382.53m ²

PROPOSED ADDITIONS AND ALTERATIONS TO EXISTING DWELLING BOUNDARY WALL AND DOMESTIC SHEDS

CLIENT: MRS. S. & MRS. P. N. MOSEBURI
 ER: R. M. OF ER 1212, KINGSBURCH
 ADDRESS: No. 20 ARNOLD ROAD, KINGSBURCH

REGISTERED ARCHITECT: M. R. MOSEBURI

CHECKED BY: E. M. M. MOSEBURI & T. L. NKOBI

DIBEN RAO
 ARCHITECTURAL & DESIGN CENTRE

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