NAME	ADDRESS	ID NO	TEL NO	SIGNATURE
A.Y. Nhat	30 [redacted]		031 4661727	
K.R. Soobiah	32 [redacted]		031 466 2457	
J. Irvine Steggen	62 MARINE DRIVE	6101265 [illegible]	084 [illegible]	
Dominique Renee Lewis	66 MARINE DRIVE	6406505 [illegible]	071 880 6643	
Lewis Herre	70 MARINE DRIVE	7310190 [illegible]	031-466 4027	
Glenn Mc Intosh	72 MARINE DRIVE	6905065 [illegible]	083 296 6067	

NOTE:
NO BUILDING WORK TO COMMENCE
WITHOUT APPROVAL FROM COUNCIL!

NOT WATER SUPPLY CALCULATIONS
50% BY SOLAR/ELECTRICAL GEYSER & 50% BY HEATPUMP
3 PEOPLE P/R BEDRM = 3BEDROOMS =3 PEOPLE
3 × 45L SHOWERS DAILY = 405L PER DAY
ANNUAL CONSUMPTION = 405 × 365 = 29250L
THEREFORE: 45L PER DAY & 16,425L PER ANNUM
HEATED BY HEAT PUMP + 50% HOT WATER CONSUMPTION
SEMICOILAR HEATPUMP LEVEL 612 + 1619803
MODEL: RHW45/P
HEATING CAPACITY: 4.5kW
NORM: SANS
APPLICATION SIZE: 100 - 500LITRE

NOTE ALL STRUCTURAL WORK TO ENGINEERS DETAILS.
NOTE ALL WALLS/PLINTOLS/BEAMS TO ENGINEERS DETAILS.

NOTE
NO BUILDING WORK TO COMMENCE
WITHOUT APPROVAL FROM COUNCIL.

ALL WORK TO COMPLY WITH NBRS

NOTE:
ALL NEW PIPES/RWP/SOIL/VENT SHOWN IN APPROXIMATE POSITION ON SITE PLAN.
CONTRACTOR TO VERIFY THESE PIPES POSITION ON SITE.
ALL PIPEWORK UNDER NEW WORK/DRIVEWAY TO BE UPVC RODDED PIPE.

68 MARINE DRIVE

SHEET 1/1 COPY

ETHEKWINI MUNICIPALITY (CENTRAL)
MG 211 10 T3
APPLICATION NO.

APPLICATION IN PRINCIPLE
APPROVED 18/6/13
SHEET: 1/1

ETHEKWINI MUNICIPALITY
LAND USE MANAGEMENT - CENTRAL REGIONAL OFFICE
GRANTED
NAME: [illegible]
SIGNATURE: [illegible]
DATE: 18/6/13
"We have done our due diligence and are satisfied that the building plans in terms of the National Building Regulations and Building Standards Act, 103 of 1977, as amended, comply with the applicable requirements of the Act. Approval is granted subject to the conditions of approval."

BUILDING APPLICATION
APPROVED
18/6/13

72 MARINE DRIVE
PORTION 16 OF ERF 679
BLUFF
19890 BDY

62 MARINE DRIVE
PORTION 17 OF ERF 679
BLUFF

90.045

93.045

2.44M S&D SERVITUDE

BUILDING NOT TO ENCROACH INTO SERVITUDE
POTMS TO ENCROACH MAX 600MM INTO SERVITUDE

DOM STAFF QUARTERS

NEW STORE(R)

3.6x1.0

New Soakaway to bigs catch to catch rainwater of 120sqm. of areas.

2m Bldg line

GRASS

POOL

52890 BDY

3.6x1.0 new Soakaway to bigs catch to

68 MARINE DRIVE
PORTION 10 OF ERF 679
BLUFF

53290 BDY

70 MARINE DRIVE
PORTION 11 OF ERF 679
BLUFF

BEDRM1 BEDRM2 BEDRM3

KITCHEN DINING

DWELLING

NEW W/CLOSET TO NEW MVENSUITE

NEW W/ROBE/LAUN

NEW W/ROBE/LAUN

NEW BEDROOM

LOUNGE EXTENDED

NEW DBL GARAGES

SINGLE GARAGE

97.820

16760 BDY

66 MARINE DRIVE
PORTION 9 OF ERF 679
BLUFF

92.040

MARINE DRIVE
8M WIDE

NW ELEVATION
NEW DBL & S GARAGES
SCALE 1:100

SW. ELEVATION
SCALE 1:100

NE. ELEVATION
SCALE 1:100

S.E. ELEVATION
SCALE 1:100

NW. ELEVATION
SCALE 1:100

NEW STOREY(R)

SECTION AA
SCALE 1:100

S.E. ELEVATION
NEW DBL & S GARAGES & NEW BDY WALL
SCALE 1:100

Revision of 120 Sqm areas.

3m x 1m new Skylight (poly Carb) to specs/apes/dets. On rt upstand beams. Skylight/Slab to be fully waterproofed by specialist contractor 8mm safety tinted toughened glazing Refer sections

3m x 1m new Skylight on rt upstand beams at to engs det/specs, 8mm safety tinted toughened glazing Refer sections

N.E. ELEVATION
DWELLING
SCALE 1:100

* ALL WATERPROOFING TO N... ROOFS SLABS/SKYLIGHTS DONE BY SPECIALISTS CONTRACTORS!! *

S. W. ELEVATION
DWELLING
SCALE 1:100

3m x 1m new Skylight on rt upstand beam, all to engs det/specs, 8mm safety tinted to toughened glazing Refer sections

N.W. ELEVATION
DWELLING
SCALE 1:100

S. E. ELEVATION
DWELLING
SCALE 1:100

3m x 1m Skylight to engs specs/dets on 12" upstand beams all to engs det/specs 8mm safety tinted toughened glazing Refer sections

NEW W/BEDROOM

LOUNGE EXTENDED

SECTION BB
DWELLING
SCALE 1:100

eco-h20 5000L (3cubm) Jojo in to collect 120sqm area, water screened off from roof by new 2280mm ht Bdy wall

Vol req = 3cubm
Jojo tank = 16TKP = 5cubm
Should Jojo not be needed + provided

Jojo tank 5000L (3cubm) to collect rainwater from 120sqm roof area

19m Ø X 2040mm ht (second hand) 2280mm Bdy Wall

Contact: South Field 0923654813 www.eco-h20.co.za

SITE & GROUND FLOOR PLAN
SCALE 1:100

Calculations:
Soakaway 2 = 3cubm
Jojo Soak = 3cubm
Total = 9cubm

Soakaways to contain 335.225sqm Area

NE ELEVATION
NEW DBL GARAGES
SCALE 1:100

SW ELEVATION
NEW DBL GARAGES & S GARAGE
SCALE 1:100

SECTION FF
S GARAGE
SCALE 1:100

SECT NE ELEVATION EE
S GARAGE
SCALE 1:100

SECT SW ELEVATION DD
NEW DBL GARAGE
SCALE 1:100

NEW SUNDECK

SUNDECK

GLASS GUARD

92.040

16760 BDY

Agricultural drainage Lane to Falls to Jojo Tank

No fines conc blocks (cavity 300x150mm)

Section AA
Scale 1:50

PART SITE & SUNDECK PLAN
SCALE 1:100

Note: Surround Soakaway with 6 brick Bdy + buildings & Roads

Plan of 3cubm Soakaways Scale 1:50

DWELLING FENESTRATION
AREA = 1895SQM

GLAZING TO COMPLY WITH PART N OF SANS 10400
ALUMINIUM WINDOW SCHEDULE - VIEWED EXTERNALLY

CONCRETE SLABBED ROOF
MINIMUM TOTAL R-VALUE REQUIRED = 2.76M²K/W
OUTDOOR AIR FILM 7m/s(elevating air) R-value=0.03
WATERPROOF MEMBRANE R-value=0.03
SOLID CONCRETE R-value=0.07
CEILING AIR SPACE (100-300mm non reflective) R-value=0.22
PLASTERBOARD/GYPSUM R-value=0.06
INDOOR AIR FILM (still air) R-value=0.16
INSULATION: ROCKLITE INSULATIO... (CLASSROCK PDL MM SPECS)
ACHIEVED TOTAL R-VALUE= 3.01M²K/W

TYP. SECT THRU COV KITCHEN PORCH
SCALE 1:100

TYP. SECT THRU DWLG
SCALE 1:100

HOT WATER SUPPLY:
1. ALL INTERNAL HOT WATER SUPPLY PIPING TO BE INSULATED WITH A MATERIAL WITH A MINIMUM R-VALUE OF 1.0
INSULATION NOTE:
13mm FIBREGLASS PREFORMED PIPE SECTION INSULATION = 1.0M²K VALUE +1.0
2. ALL HOT WATER VESSELS/TANKS TO BE INSULATED WITH A MATERIAL HAVING A MIN R-VALUE OF 2.10. CALL TO MANUFACTURERS SPECIFICATION AS TO COMPLY WITH SANS 10400 - PART XA
GEYSER BLANKET NOTE:
A PREMIUM SPEC UNIVERSAL GEYSER BLANKET MADE FROM 240MM THICK PINK POLYESTER FIBRE AND LAMINATED WITH SILVER PLASTIC FOIL THE "PREMIUM PLUS" GEYSER BLANKET IS A HIGH PERFORMANCE PRODUCT SUITABLE FOR USE ON ENCLOSED OUTDOOR/COVERED GEYSERS. IT COMPRISES THE SAME INSIDE AND IS ENCASED BY EXTRA 2MM BLANKET = 2.0

CLIMATIC ZONE 1 SUB-TROPICAL COASTAL
BUILDING OCCUPANCY: HL DWELLING
HL DWELLING HOUSE: SEMI SEPERATION
WALL/ROOF/FLOOR/GLAZING/EXTERNAL DOOR/ CLIMATE HEATING TO HOT
MINIMUM VALUE FOR ROOF, WALLING + GLAZING
MAX ENERGY DEMAND AND TARGET CONSUMPTION FOR THE CLASS
ACCEPTANCE FOR BUILDING
HL 0 HEATING HOUSE
POPULATION: 4 PEOPLE/HOUSE
ENERGY DEMAND = ALLOWED SAVINGS
68.4 kWh/m² x 3 = 205.2 kWh/m²
NO LIGHT FITTINGS x 4
8 x 36W x 8Hrs = 2.3 KWh = ACCEPTABLE
ENERGY CONSUMPTION ALLOWED: SAVINGS
68.4 kWh/m² x 5 = 342 kWh/m² (m² x m²)
5 rooms x 16gal x 8hours = 640 x (cavity light wattage conv. factor)
5 x 16 x 8 = 640 x 0.6
640 x 0.6 = 384 kWh x 1 = 384 kWh = 1382.4 MJ/m² approximate

Schedule of Areas: Site = 929m²

HOUSE	140.0 SQM
GARAGE	23.089 SQM
DOM STAFF QUARTERS	39.950 SQM
NEW ADDS & ALTS TO HOUSE	59.910 SQM
NEW DBL GARAGES	42.182 SQM
NEW STOREROOM	21.237 SQM
NEW WALKWAY BET. GARAGES	9.666 SQM
NEW TOTAL AREAS	335.225 SQM

ALL WORK TO COMPLY WITH NBRS

LEGEND
EXISTING WORKS
NEW CONSTRUCTION TO ENGINEERS DETAILS
EXC WORKS DISQUALIFIED TO ENGINEERS DETAILS
NEW CONCRETE WORKS

PLAN TO BE READ IN CONJUNCTION WITH GEOTECHNICAL REPORT!!

PROJECT
PROPOSED ADDS & ALTS TO DWLG, NEW DBL GARAGES NEW SUNDECK, NEW RET WALLS & NEW BDY WALLS
.Y.E.N. ZWANE
68 MARINE DRIVE
PORTION 10 OF ERF 679
BLUFF

OWNERS TEL NO. 083 443 5746
OWNERS ID NO. 5004275076083

DATE 12/6/2013 DRG NO. 13 ARCH 02 SCALE 1:100 SHEET NO. 1/1

SELWYN M 41000
SACAP (PR. ARCH) 17/7/1990
11 BANKSIDE DRIVE
DR. VOREKLEN
DURBAN 4051
CELL 082 782 [illegible]