

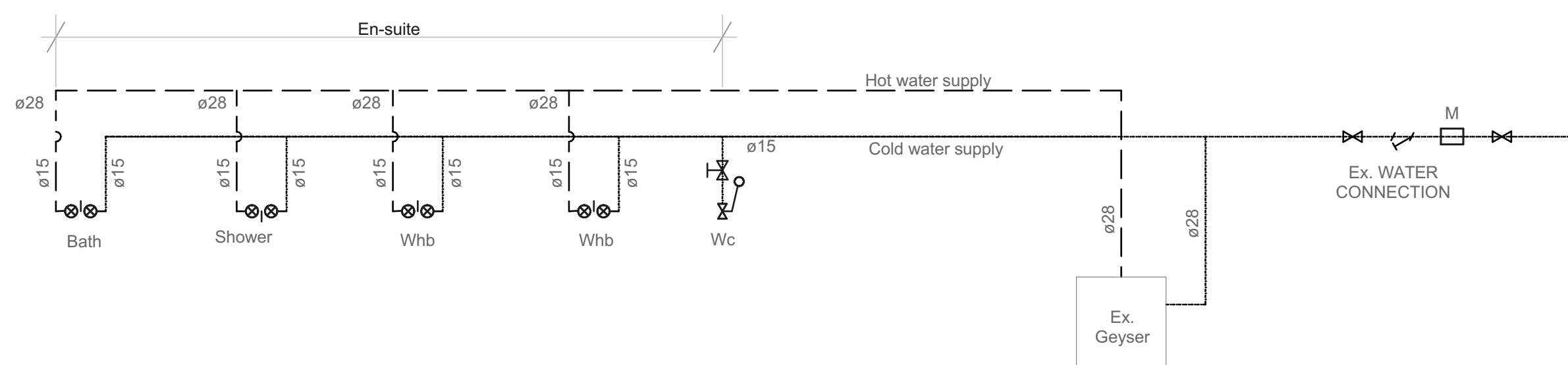
WINDOW SCHEDULE	W1	W2	W2	W3	W4	W5	W6	W7
Quantity	9	1	1	1	1	1	2	2
W x H Size	900x2 400	1 714x400	3 994x400	1 385x2 700	2 312x5 500	1 800x5 500	600x5 500	900x2 100
Window head height	2 400	2 100	2 100	2 400	5 500	5 500	6 095	2 100
Frame	Aluminium frame	Aluminium frame	Aluminium frame	Aluminium frame	Aluminium frame	Aluminium frame	Aluminium frame	Aluminium frame
Glazing	4mm toughened safety glass	4mm toughened safety glass	4mm toughened safety glass	4mm toughened safety glass	6mm toughened safety glass	4mm toughened safety glass	4mm toughened safety glass	4mm toughened safety glass
3D Front View								

WINDOWS SCHEDULE
SCALE 1 : 100

DOOR SCHEDULE	D1	D1	FD1	SD2
Element ID	1	2	2	1
Quantity	1	2	4	2
W x H Size	1 385x2 400	900x2 100	4 165x2 400	2 000x2 100
Door head height	2 400	2 100	2 400	2 100
Frame	Hardwood frame by supplier	Hardwood frame	25 Micron Aluminium frame	25 Micron Aluminium frame
Leaf	Hardwood pivot door	Semi-solid timber door	4mm toughened safety glass	4mm toughened safety glass
3D Front View				

DOOR SCHEDULE
SCALE 1 : 100

Natural aluminium framed window section of 25 microns.
All ventilators to be pivot hinged outward opening on stainless steel friction hinges.
Glazing to comply with the national building regulations part "N" glazing.
Closure glazing to bathrooms.
All openings to be measured on site prior to commencement of manufacture.
All windows are shown as viewed from outside and dotted line indicate opening sashes.
Refer to elevations for position of ventilators.
All discrepancies to be brought to Author's immediate attention.
NOTE
8mm Toughened Safety glazing to shower cubicle.



COLD & HOT WATER RETICULATION
SCALE 1 : 50

CONSTRUCTION NOTES

GENERAL NOTES
All work to comply with SANS 10400 of national building regulations.
Dimensions are to be read and not scaled off.
Any discrepancies are to be reported to the author prior to the commencement of any building works.
All structural work to be designed by a professional structural engineer and constructed under his supervision and approval.
No work is to be permitted prior to the principal or formal approval of the relevant local authorities and the risk remains with the owner or developer at all times if this is not adhered to.
All levels and dimensions to be verified physically on site by contractor.
Beacons to be flagged prior to commencement of any building work.
All structural demolition work to be supervised by a structural engineer.
FLOOR
25mm screed on 100mm thick concrete slab with BRC ref 193 mesh min. 20mm cover to top on 250 micron GUNCLIX waterproof sheeting with overlaps sealed with GUNPLAS PRESSURE SENSITIVE TAPE on min. 100mm compacted fill with soil poisoned to n.s.r. of sasn 10400.
SUSPENDED FLOOR TO ENGINEERS DETAILS
ROOF (18 "pitch)
Concrete roof tiles on 38 x38 sa pine battens at s220 cts.
on pp. 250micron waterproof underlay on sa pine prefabricated roof trusses @ 725 centres by specialist on 114 x 38 sa pine wallplate on solid cement mortar. Trusses to be secured to superstructure with galvanised hoop iron min. 600mm below wallplate level. Painted fibre cement bargeboards and fascias and pvc rainwater goods, rhinoboard ceiling with scrim mesh at joints or coverstrips.

External walls to be single skin 140mm common block plaster and paint to match existing. Internal walls to be single skin 90mm common block. All openings in block work to have approved concrete lintel with 2 courses of brickwork to be reinforced with brickforce in solid mortar joints, above doors and window openings and below cills.
375 micron damp proof course below external cills.

PLUMBING
All existing soil pipes below additions to be encased in concrete.
All waste pipes to be 500 p.v.c. to discharge into p.c. gully unless otherwise stated.
All soil pipes to 1100 p.v.c. to discharge into sewer line. I.E.s to be provided at all junctions and bends.

HOT WATER SUPPLY
Hot water pipes to be insulated within 1.5m from inlet & exit of geyser/boiler than 1.5m from geyser to be embedded in wall @ 15mm SANS approved insulation covering with R - value 1.0.
GEYSER
100mm isotherm flexible blanket around with R - Value 2
200lrs water capacity
50% (100lrs) of water to be heated through heat pump by manufacturer's details
HEAT PUMP
Heat capacity : 3.0kw
Power supply : 220v/1Ph/50Hz
Unit size : 720 x 620 x 260mm

Water Consumption (2 people per room)
2 people @ 40lrs per person per day
20 x 40 x 365 = 291 000lrs /pa
WALLS
230mm block walls with r - value = 1.4 - complies as per SANS 204

SANS 10400 PART XA COMPLIANCE
MAIN DWELLING - GROUND STORY
FENESTRATION
Net floor area: 122 (15%) = 18.3sqm
Fenestration: 20,74sqm = 14.39%

20,74sqm (14.39%) < 18.3sqm (15%) [COMPLIES]

ROOF (NOT VENTILATED)
R - Value required = 2.7

Material	R - Value
Roof tiles	: 0.45
Ceiling (Gypsum board)	: 0.05
Insulation (100mm aerogel)	: 2.17
Insulation with 30mm overlaps	

Total R - Value = 2.7 [COMPLIES]

ENERGY CONSUMPTION

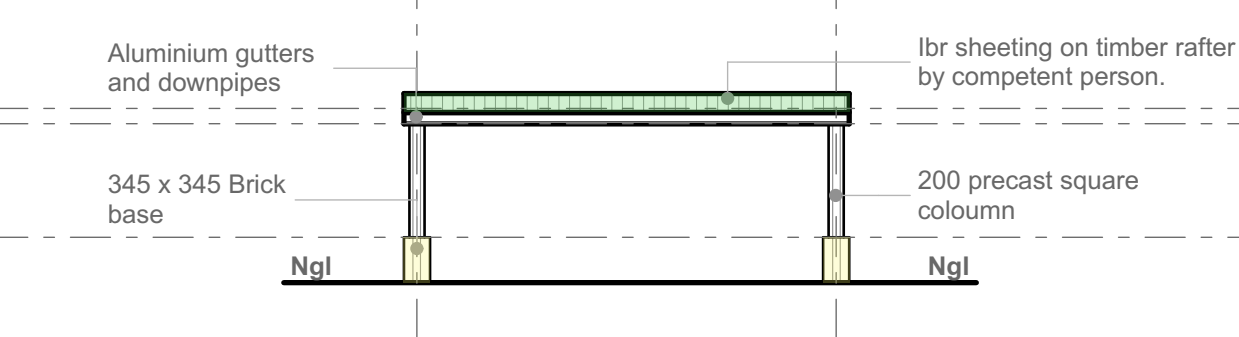
Total energy demand [F/A x Skwh p/sqm] = 148sqm x 1

No of light	Watts	Hrs
9	11	7

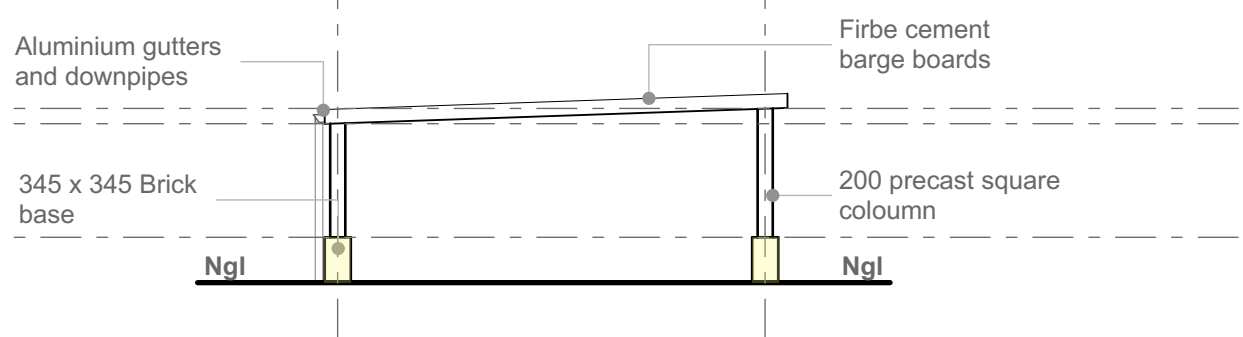
[9 x 11 x 7 x 365] / 1000 = 252.945 kw/tpa

252.945 kw/tpa < 740 kw/tpa [COMPLIES]

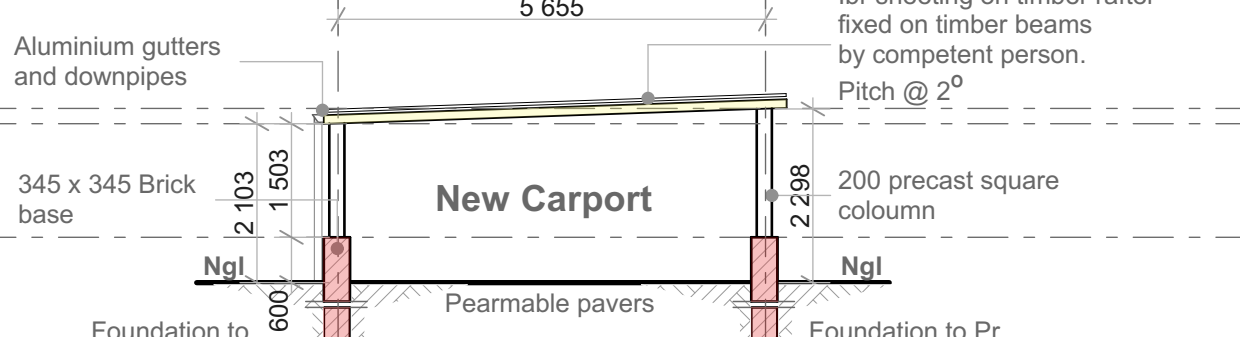
Walls - 230mm bricks with r - value = 1.9 - complies as per SANS 204



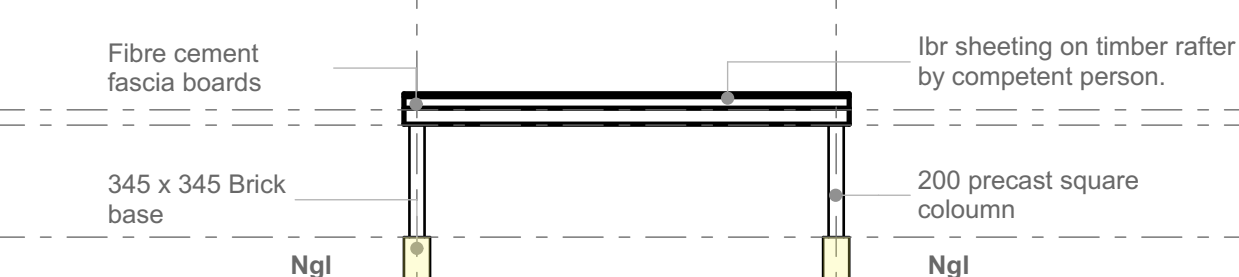
SOUTH EAST ELEVATION
(Proposed new Carport)
SCALE 1 : 100



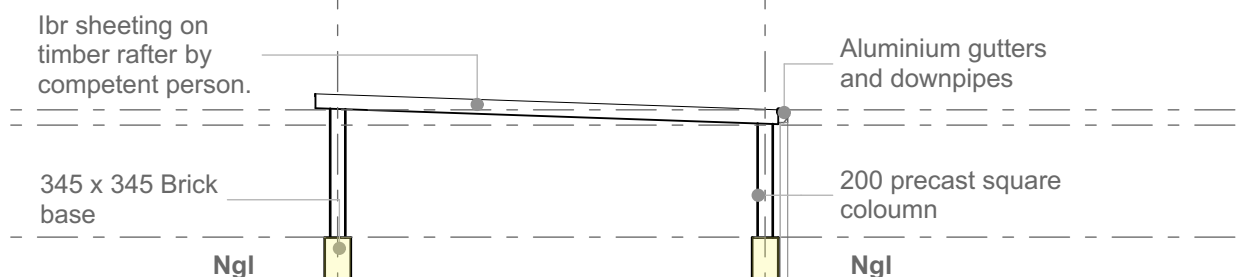
NORTH EAST ELEVATION
(Proposed new Carport)
SCALE 1 : 100



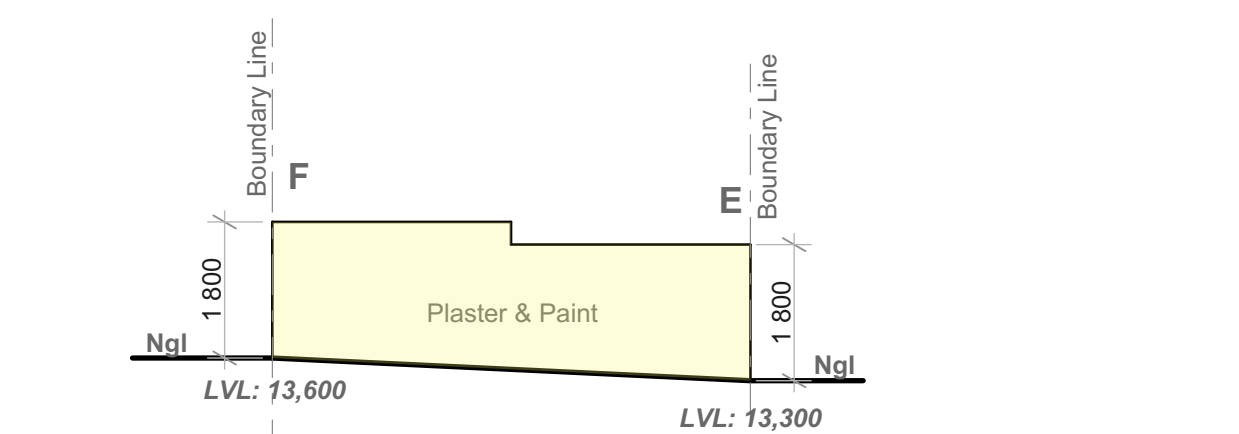
SECTION C - C
(Proposed new Carport)
SCALE 1 : 100



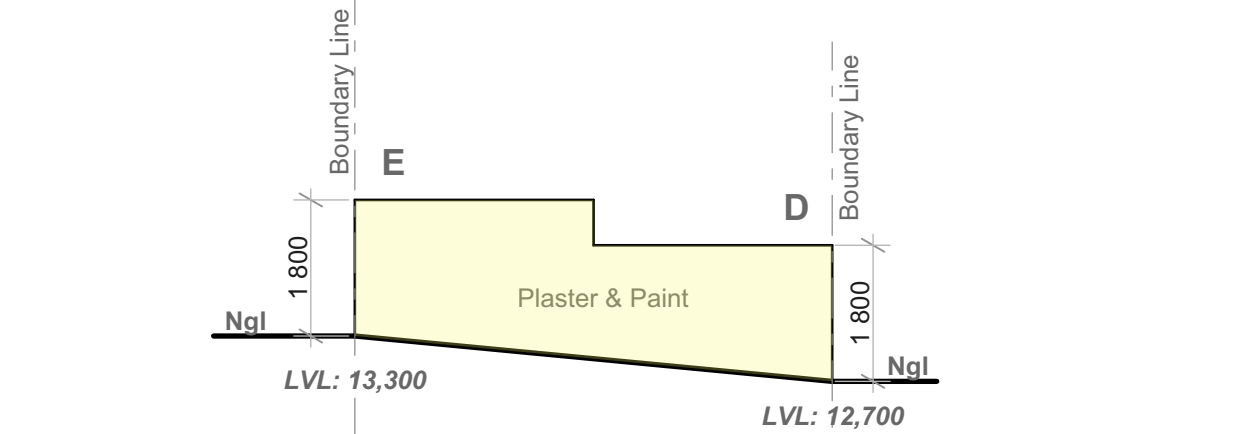
NORTH WEST ELEVATION
(Proposed new Carport)
SCALE 1 : 100



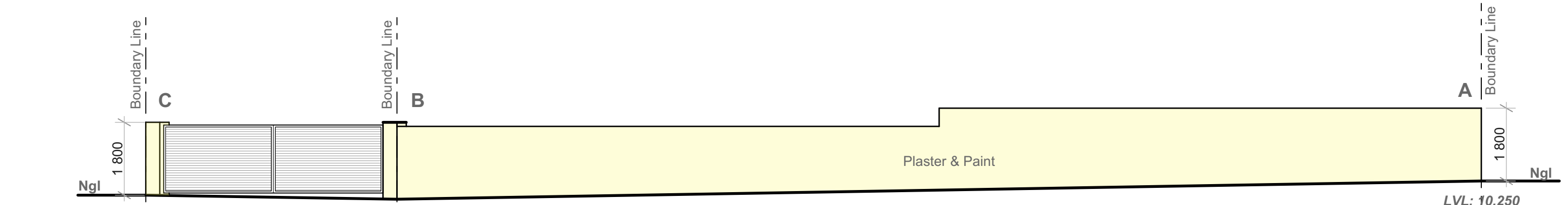
SOUTH WEST ELEVATION
(Proposed new Carport)
SCALE 1 : 100



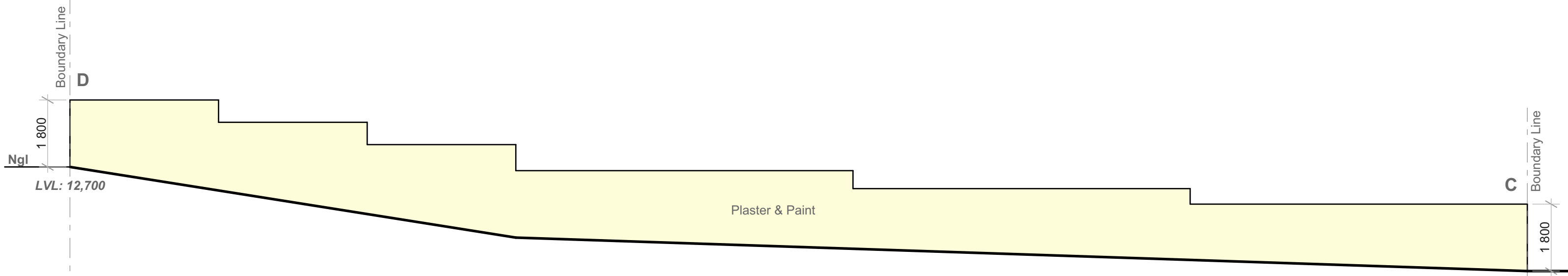
SOUTH WEST ELEVATION
(Proposed new Boundary Wall)
SCALE 1 : 100



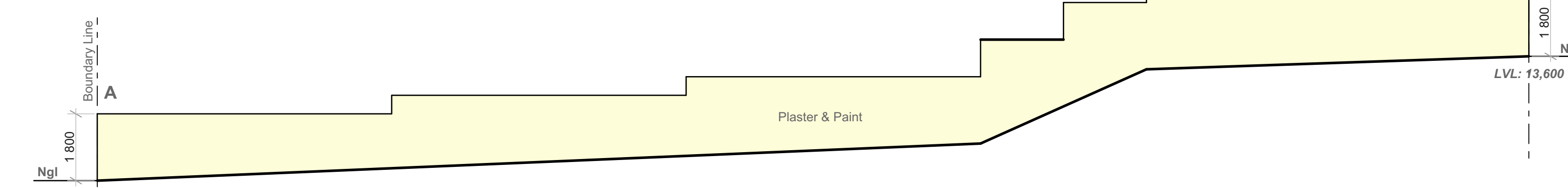
SOUTH EAST ELEVATION
(Proposed new Boundary Wall)
SCALE 1 : 100



NORTH EAST ELEVATION
(Proposed new Boundary Wall)
SCALE 1 : 100



SOUTH EAST ELEVATION
(Proposed new Boundary Wall)
SCALE 1 : 100



NORTH WEST ELEVATION
(Proposed new Boundary Wall)
SCALE 1 : 100

GENERAL NOTES:

ALL WORK TO COMPLY WITH THE NATIONAL BUILDING REGULATIONS AND LOCAL BY MUNICIPALITY BY LAWS.
ALL LEVELS AND DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK.
ALL DRAWINGS MUST BE CHECKED AND ALL DIMENSIONS MUST BE CONTROLLED ON SITE BEFORE ANY MATERIALS ARE ORDERED.
DISCREPANCIES MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE AUTHOR.
ALL PLUMBING BY REGISTERED CONTRACTOR.
ALL ELECTRICAL BY REGISTERED CONTRACTOR.
ALL GLAZING TO COMPLY WITH PART "N" OF SANS10400.
IF ON EXCAVATION IT IS FOUND TO CONTAIN POOR SOIL CONDITIONS, THEN ALL FOUNDATIONS ARE TO BE BUILT TO PROFESSIONAL ENGINEERS DETAILS AND UNDER HIS / HER SUPERVISION.
Copyright is reserved on all drawings and designs.

REVISION:

No.	Date	Description

CLIENTS SIGNATURE: _____

CLIENTS SIGNATURE: _____

AUTHOR'S SIGNATURE: _____

Suite 601-602, Union Main Centre
45-51 Joseph Gumede Road
Pretoria, 0001
C: 083 296 4172
F: 011 701 1668
E: sbone@db.com / sbonekululeko@gmail.com

Sboninkululeko Cc
Architecture | Project Management | Construction | Maintenance
Sboniso M. B. Dlamini | PSAT 2865 | SACAP | KZNA | SAAT

Project
PROPOSED NEW ADDITIONS & ALTERATIONS FOR MR SN & MRS JM BUSANI

Cadastral description
99 RICK TURNER ROAD, ERF 8913 DURBAN UMBILO, KWAZULU NATAL

WORKING DRAWINGS

Drawn	SMB	Checked	SMB DLAMINI	Page 02 OF 02
Date	22 - 08 - 05	Drawing No	A00 - 08 - 22/1	
Scale	As shown			