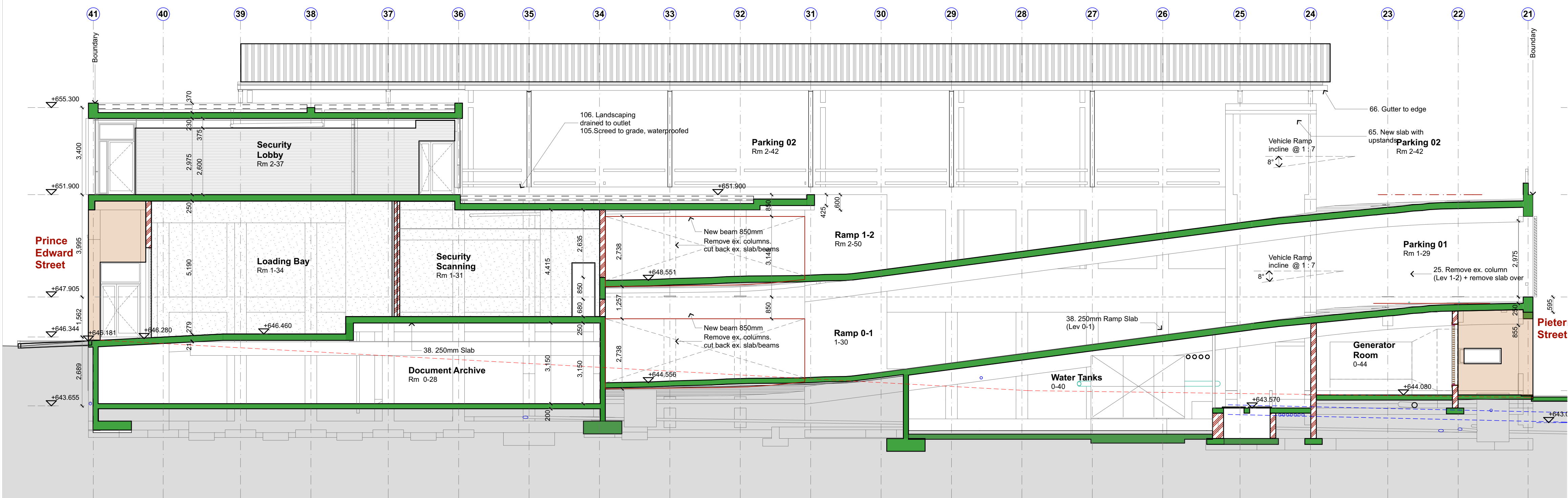
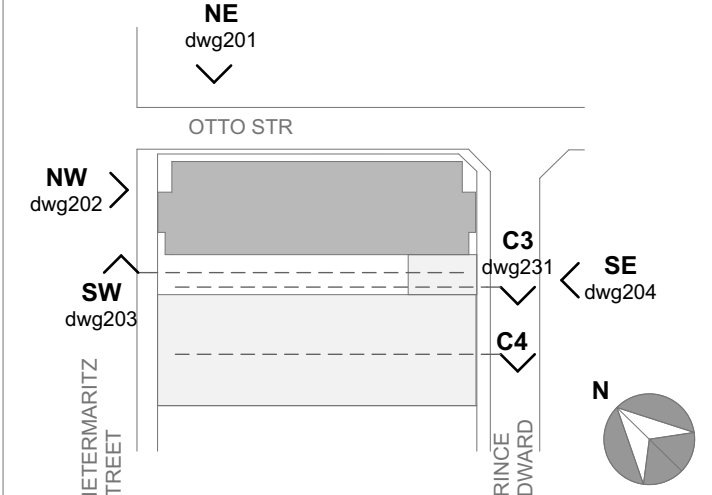


231 Section C4 1:100



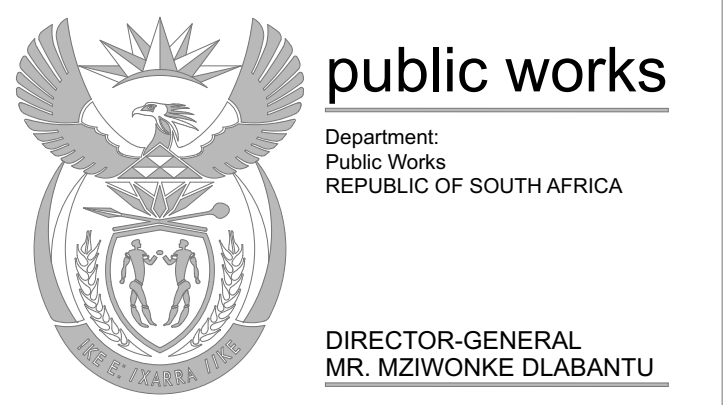
231 Section C3 1:100

Proposed works: Construction Notes	
Note	Note all sizes for structural work to be in accordance with Str Eng drawings, layouts and specifications. Discrepancies with architectural layouts to be brought to architect's attention.
1 to 19	Refer existing building / demolition drawings
Rev	
Structural work Pietermaritzburg Street entrance, Garage	
20	Remove ex. Columns. (lev 0-2) at Grid H/22-23
21	Remove ex. Column. (lev 0-2) at Grid F/23
22	Remove ex. Column. (lev 0-2) at Grid D/23
23	Remove ex. columns. (lev 0-2) at Grid D-H/21
24	Remove ex. Beams B-F/22-24 (Lev 1), Incl remove ex. Slab. Remove ex beam D/21-23 lev 1
25	Remove ex. slab A-H/21-24 (Lev 1+2) + F/H 25-26 (Lev 1-2)
26	New columns Per str/eng layout
27	New column extension against existing columns, incl ground beam and off set pad footings
28	New down stand beams to lev 1/ lev 2 slabs. Refer layouts for size.
29	New shear wall in 200mm r conc or Bwk (230mm)
30	New aperture Lev 0. Remove existing beam F-H/24
31	Cast conc wall. 200mm thickness (refer str eng dft)
32	Reinstate slab lev 1. A-F/21-25
33	Reinstate slab lev 2. A-H/21-25
34	150mm conc balustrade wall to new slab edge
35	New beam over 8.3m span. F/21-24. G/21-24
36	Remove ex. Column. (lev 1-2) at Grid H-32-33
37	Conc. Channel with Mantis grate over
38	New ramp 250mm r. conc to str eng dft Lev 0-1 Grade 1:7 with 30m vertical transition curve at each change in level.
39	Slip joint at ramp edge with R. conc shear wall to office block.
Structural work Prince Edward Street entrance, Garage	
40	Remove ex. Ramp and stair. Lev 1 aperture at Grids C-E/38-41.
41	Remove slab for new entrance Grids F-H/38-41.
42	Remove ex. Beam
43	New primary r conc beam. 400x850mm
44	New secondary r conc beam 460x850mm
45	New slab over 140mm
46	Lev 1 - ToC +647.905 mm / Lev 2 - ToC +651.900mm
47	New column extension against existing columns, incl ground beam and off set pad footings
48	New column at Grid D-41. (Lev 0-Lev 3)
49	New column at Grid C/37 + C/39. 300Mm (Lev 0-Lev 2)
50	New column at Grid H/32. 380x460Mm (Lev 0-Lev 1)
51	New column to match existing building perimeter wall
52	Remove ex. Column. (lev 0-1) at Grid C-38
53	New loadbearing brickwork wall. Supporting slab over. On top str footings. All per str eng layout/spec
54	Cast conc wall. Lift core. 150-200mm thickness (refer str eng dft)
Structural work at Roof level, (Lev2 + Lev 3), Garage	
64	New columns (Lev 2-3) onto ex. Garage roof.
65	New conc roof slab (Lev 3). 140 mm slab, Upstands 800x300mm
66	Rainwater/laundry pipe.
67	New str. Steel truss over roof deck parking
68	New gms purlins (prov. 175x75x20x3) with roof sheeting over.
69	Screeds to falls on ex. Roof deck
70	Roof covering. Sheet metal roofing, pierced fixing, factory colour coated. Zincalume base protection.
Structural work Office block (Lev 0 + Lev 9)	
80	Foundation solution, including footings/piles and ground beams per Str Eng layout / spec.
81	Conc frame in 400x600 columns
82	Slabs in 275mm r conc
83	Conc shear walls. 200/300mm per Str Eng schematic.
84	Surface bed on compacted fill. Incl poisoning and DPM. Depth 200mm
85	Inclined 200mm r conc wall with prophy tile cladding.
86	Loadbearing brickwork walls
87	Structural framing to Flush glazed curtain wall glazing. Lev 0 per specialists detail (approval req'd)
88	Structural steel beam to sliding doors (Lev 0)
89	Roofing. Structural steel portal framing per Str. Eng dwg/spec
90	Roofing. Gms purlins
91	Roof covering. Sheet metal roofing, pierced fixing, factory colour coated. Zincal base protection.
92	Roof insulation 135mm woven fabric glass fibre.
Non-structural works	
Building envelope + Components	
120	New non-loadbearing brickwork walls.
121	Windows apertures. P/cast Lintel over.
122	Windows apertures. Window cill with wall beam and profiled metal flashing to detail.
123	Fenestration. Horizontal sliding powder coated aluminium window system. Bwk / conc surrounds and sheet metal sills.
124	Fenestration. Curtain wall glazing system Flush glazed.
125	Fenestration. Curtain wall glazing system Pressure glazed.
144	Sun control louvre. Z profile shading in panels vertically aligned gms frames secured to steel purlins.
145	Sun control. Perforated Aluminium sheet cladding. powder coated, to detail.
146	Sun control louvre. Aerofol, horizontal sunshading secured to pressure glazed facade.
147	Sun control louvre. Filigree panels in horizontally aligned gms framed panels secured to concrete structure
148	Sun control louvre. Z profile shading in panels vertically aligned gms frames secured to concrete structure
149	Sun control louvre. Filigree panels in horizontally aligned gms framed panels suspended from + secured to conc structure
Finishes	
150	Flooring entrance mat
151	Flooring to schedule. Epoxy on screed to stores
152	Flooring to schedule. Tile on screed.
153	Flooring to schedule. Epoxy on screed to parking
154	Flooring to schedule. Epoxy on screed to parking decks
155	Flooring to schedule. Flexible sheeting on screed
156	Flooring to schedule. Anti static sheeting on screed
157	Walls. Tiled
158	A Walls. Paint and plaster to finishes schedule
159	Textured internal wall paint. Marmoran Polysheen with Teflon overcoating
160	A Walls - External finish Paint and Plaster. Marmoran Reepspray
161	Walls. Timber cladding. Klat veneered ply board on s/w studs
162	Agrob Buchtal. KeraTwin K20 ceramic wall tile cladding.
163	Ceilings. Suspended tile to layout.
164	Ceilings. Suspended timber system to layout.
165	Ceilings. Suspended Skimmed plasterboard to layout.
166	Ceilings - Bulkheads, skimmed
167	Ceilings - Bulkheads, skimmed. Fire rated 60 minutes
168	Ceilings. Slab soffits skimmed / painted
169	Ceilings. Suspended aluminium system to layout.
170	External surfacing. Stone ballast on waterproofed slab
171	External surfacing. Landscaped planter on waterproofed slab



01 2017-02-16 Demolition edge defined	
A.	C4. Slab removed to grid 37, excl down stand - 41
Copyright vests in the Department of Public Works	
as-built drawings	
certified as-built drawings as per Centralised Drawing Archive AS-BUILT DRAWING REQUIREMENTS	
name:	
date:	
professional registration no.:	

cad file name	page type
---	A 1



consultant	
Urban Architects cc 500 Esther Roberts Road Glenwood, Durban T 031 2052600 F 031 2052637	
Signed: M. Henry SACAP Reg. PR Arch	Date
discipline	
Architectural	
service	

REHABILITATION OF OLD DPW WORKSHOP. PIETERMARITZBURG

PART DEMOLITION AND CONSTRUCTION OF NEW DPP OFFICES FOR THE NPA AT 286 PIETERMARITZ STREET, PIETERMARITZBURG ON PORTIONS 7, 8, 9, 10 OF LOT 2428 OF PIETERMARITZBURG

WCS number	050033
drawing title	
CONSTRUCTION DRAWINGS SECTIONS - C3 + C4	
ref.no.	designed
scale	1 : 100
date	2017-02-16
DPW drawing number	checked

25472 A231-01