



13.7 Recess in Slab for external surfacing B 85mm recess 13.8 Upper Admin Foyers. Topping over slab E 85+255mm 13.9 U/G Floor ground-slab to Repositories E D14 Downstands Beams

Downstand Beam to Office U/G Floor 14.1.1 Slab (Grid 16 internal edge) 1.1 Slab (Grid 16 internal edge) C slab)
Increased depth to downstand Beam 300 x 1530 (255) .1.2 | Grid 16 / S-T | C | slab) | Increased depth to downstand Beam | 300 x 1020 (255 | 14.1.2 Grid 16 / S-T 14.1.3 Grid 16 T-U Downstand Beam to U/G Floor Office Slab along Grid V-W/16. V-W17. W/16-Upstand beams
Upstand Beam to Office Slab along
14.4 Grid 18 (External Edge)
Upstand Beam to Roof Slab – Admin 14.5 entrance R. Conc beams Beam above Circular Columns UG 14.6 Ceiling lev. Grid 18 14.8 Concrete Beam U/G at apex Gr16/V-W C
14.9 Concrete Beam to repository columns C
14.10 Conc ringbeam to Rm A-3 14.11 Conc sunshade projection to Rm A-3 D D15 Concrete Columns 15.1. Square Columns to Repositories15.2. Rectangular Columns to Repositories15.3. Square Columns to Office Area 15.4. Round Columns to Office Area
R.conc Columns to Office Area, new D16 Structural Walls Off-shutter reinforced concrete wall. 16.1. Repositories Off-shutter reinforced concrete wall. . 16.2 Admin at Grid 18
Off-shutter reinforced concrete wall. 16.3 Admin at Grid 16-18/W Off-shutter reinforced concrete wall. . 16.4 Admin at Grid 16/P-Q 16.5 340mm R.conc core F/brickwork wall 16.6 340mm R.conc core brickwork wall P+P M17 Structural Steel Columns / Beams Columns: Universal Steel Column Office & Processing. Gr16
Columns: Universal Steel Column -D 203 x 203 x 46 17.2 Repositories Stub Columns: Universal Steel 17.3 Columns- Offices, Grid 14

Beam across Grid 14: Universal Steel 254 x 146 x 43 17.4 Beams

Beams: Universal Steel Beams. Eaves / Valley Beams, Gr 14+16+18

Rafters: Universal Steel Beams - Office D 203 x 203 x 46 17.6 & Processing Rafters: Universal Steel Beams -17.7 Repositories
Lattice trusses- Repositories. 600Mm 600 Depth 17.8 depth B
Columns: Universal Steel Column 17.9 Office & Processing Gr14 B
Columns: Universal Steel Column – as
17.10 Rafter to Grid 14-16/V C B 203 x 203 x 46 17.11 Inclined Univ column for cladding M18 Structural steel – Lipped channels
Purlins to Office and Processing Area at 1200 c/c (0,8 Aluminium Brownbuilt Purlins to Repositories at 1300 to 1650 18.2 c/c (0,9 Aluminium Brownbuilt Sheet) D 2,5 175 x 65 x 20 x 18.3 Girts – Lipped Channels Lipped channel studs for fire proof ceiling at 1200cc. To same bearer hung 100 x 75 x 20 x 18.5 Purlin verge trim. GMS Angle
Purlin raking apex trim – Lipped M19 Structural Steel Ramp / Stair stringers 19.1 Stringer to Ramp - Channel 19.2 Stringer to Stairs – Channel 19.3 Column /Bracing to Stringers- U.Col D 254x146x43

M20 Structural Steel Bracing
Circular Hol.Sec Bracing to repository 20.1 columns 20.2 Repository brickwork wall brace. U.Col. D 20.3 Curtain wall bracing. Rect Hol/Sec External works U.19 Gabion basket retaining wall. To include certification of installation by supplier. City Architects sustainable & integrated services Procurement & Infrastructure Cluster 166 K.E.Masinga Road, Durban, 4001 Tel: 031 311 7098 Fax: 031 311 7111 Project Description : Kloof Archives Repository and Print Facility for the City Hall Administration Secretariat Unit, eThekwini Municipality, At 11 Emolweni Road, on Lot 5454 of Kloof.

Contract No. CSA / 2361

U.G. Layout

A - 121 . H

2020 - 06 - 30

DRAWING TITLE

Rev # Date Description

Note CONCRETE
D11 Foundations:

11.1 Pad Footings to Columns
11.2 Strip Footings Under Brickwork

11.3 Downstand Groundbeam11.4 R.conc footing to conc core walls

11.5 Pad Footings to Columns

12.1 Surface Bed to Offices12.2 Surface Bed to Loading Area12.3 Surface Bed to Repositories

D13 Floor and Roof Slabs

13.1 Ground Slab to Repositories Block B/0

13.2 Incl dropped slab at columns
13.3 U/G Floor slab to Repositories
13.4 U/G Floor slab to Offices

Ground Slab to Repositories Block D.

D12 Surface Beds

13.5 Roof Slabs13.6 Concrete to Ramp

CSA 2361: KLOOF ARCHIVE - STRUCTURAL ELEMENT SIZES

400 x 500