



Sir	CONCRETE	REV	All sizes in mm (w x d)
D11	Foundations:		
11.1	Pad Footings to Columns		2000 x 2000 x 500
11.2	Strip Footings Under Brickwork		690 x 230
11.3	Downstand Groundbeam	C	400 x 500
11.4	R conc footing to conc core walls	C	1800x300
11.5	Pad Footings to Columns		1500 x 1500 x 400
D12	Surface Beds		
12.1	Surface Bed to Offices		120
12.2	Surface Bed to Loading Area	D	220
12.3	Surface Bed to Repositories	D	220
D13	Floor and Roof Slabs		
13.1	Ground Slab to Repositories Block B/C		340
13.2	Ground Slab to Repositories Block D		340mm thick + 2250x2250x 300 mm panels
13.3	Incl dropped slab at columns		340
13.4	U/G Floor slab to Repositories		255
13.5	U/G Floor slab to Offices		255
13.6	Roof Slabs	D	200
13.7	Concrete to Ramp	D	120
13.8	Recess in Slab for external surfacing	B	85mm recess
13.9	Upper Admin Foyers. Topping over slab	E	85+255mm
13.9	U/G Floor ground-slab to Repositories	E	255
D14	Downstands Beams		
14.1	Downstand Beam to Office U/G Floor Slab (Grid 16 internal edge)	C	300 x 680 (255 slab)
14.1.2	Increased depth to downstand Beam	C	300 x 1530 (255 slab)
14.1.3	Grid 16 1/5-17	C	300 x 1020 (255 slab)
14.1.3	Increased depth to downstand Beam	C	300 x 1020 (255 slab)
14.2	Downstand Beam to U/G Floor Office Slab along Grid V-W16, V-W17, W16-18	B	300 x 680
14.3	Upstand beams		
14.4	Upstand Beam to Office Slab along Grid 15 (External Edge)		230 x 935
14.5	Upstand Beam to Roof Slab - Admin entrance		230 x 200

R. Conc beams		
14.6	Beam above Circular Columns U/G Ceiling lev. Grid 19	B 415 x 380
14.7	120x1000	B 120x1000
14.8	Concrete Beam U/G at apex G16/V-W	C 230x510
14.9	Concrete beam to repository columns	C 310x995
14.10	Conc ridgebeam to Rm A-3	C 310x510
14.11	Conc sunshade projection to Rm A-3	D 1300x200
D15	Concrete Columns	
15.1	Square Columns to Repositories	400 x 400
15.2	Rectangular Columns to Repositories	400 x 600
15.3	Square Columns to Office Area	A 300 x 300
15.4	Round Columns to Office Area	300 dia
15.6	R conc Columns to Office Area, new Grid 17	C 230 x 300
D16	Structural Walls	
16.1	Off-shutter reinforced concrete wall. Repositories	200
16.2	Off-shutter reinforced concrete wall. Admin at Grid 18	B 230
16.3	Off-shutter reinforced concrete wall. Admin at Grid 16-18W	C 230
16.4	Off-shutter reinforced concrete wall. Admin at Grid 16P-Q	C 230
16.5	340mm R conc core Brickwork wall	C 340
16.6	340mm R conc core brickwork wall P+P	C 340
M17	Structural Steel Columns / Beams	
17.1	Columns: Universal Steel Column - Office & Processing - Gr18	D 203 x 133 x 30
17.2	Columns: Universal Steel Column - Repositories	D 203 x 203 x 46
17.3	Stub Columns: Universal Steel Columns- Offices, Grid 14	D 203 x 133 x 30
17.4	Beam across Grid 14: Universal Steel Beams	254 x 146 x 43
17.5	Valley Beams, Gr 14+16+18	D 203 x 203 x 46
17.6	Rafters: Universal Steel Beams - Office & Processing	203 x 133 x 30
17.7	Rafters: Universal Steel Beams - Repositories	254x146x43
17.8	Lattice trusses- Repositories. 600Mm depth	B 600 Depth
17.9	Columns: Universal Steel Column - Office & Processing Gr14	B 203 x 203 x 46
17.10	Columns: Universal Steel Column - as Rafter to Grid 14-16V	C 203 x 203 x 46
17.11	Inclined Univ column for cladding	C 152x152x23
M18	Structural steel - Lipped channels	
18.1	Purlins to Office and Processing Area at 1200 c/c (0.8 Aluminium Brownbuilt Sheet)	D 125 x 65 x 20 x 2.5
18.2	Purlins to Repositories at 1300 to 1650 c/c (0.9 Aluminium Brownbuilt Sheet)	D 175 x 65 x 20 x 2.5
18.3	Girts - Lipped Channels	C 175 x 65 x 20 x 2.5
18.4	Lipped channel studs for fire proof ceiling at 1200cc. To same bearer hung from truss	100 x 75 x 20 x 2.5
18.5	Purlin verge trim. GMS Angle	D 70x70x6
18.6	Purlin raking apex trim - Lipped Channels	D 175 x 65 x 20 x 2.5
M19	Structural Steel Ramp / Stair stringers	
19.1	Stringer to Ramp - Channel	B 260 x 90 x 34
19.2	Stringer to Stairs - Channel	B 260 x 90 x 34
19.3	Column Bracing to Stringers- U.Col	D 254x146x43
M20	Structural Steel Bracing	
20.1	Circular Hot Sec Bracing to repository columns	C 139x5
20.2	Repository brickwork wall brace U.Col	D Omit
20.3	Curtain wall bracing. Rect Hot/Sec	C 160x80x4





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Project Description :

Kloof Archives Repository and Print Facility
for the City Hall Administration Secretariat Unit,
eThekweni Municipality,
At 11 Emolweni Road, on Lot 5454 of Kloof.

Contract No. **CSA / 2361**

DRAWING TITLE
Detail 3
Detail Section S

Designed	P.D.	Signed
Drawn	P.D.	Name

Scale/s	Date
1 : 5 (A1)	2020.06.30

Drawing No.	Revision
A - 348 . _	