


Sr	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 + 220x220x300 mm panels
13.3	U/G Floor slab to Repositories		340
13.4	U/G Floor slab to Offices		255
13.5	Roof Slabs	D	200
13.6	Concrete to Ramp	D	120
13.7	Recess in Slab for external surfacing	B	85mm recess
13.8	Upper Admin Foyers. Topping over slab	E	85x255mm
13.9	U/G Floor ground-slab to Repositories	E	255
D14	Downstands Beams		
14.1	Downstand Beam to Office U/G Floor Slab along Grid 16 internal edge	C	300 x 680 (255 slab)
14.1.1	Increased depth to downstand Beam	C	300 x 1530 (255 slab)
14.1.2	Grid 16 S-T		
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			
14.4	Upstand beams		
14.4.1	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
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
15.5	R conc Columns to Office Area, new		
15.6	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	D	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 Brownbult Sheet)	D	125 x 65 x 20 x 2.5
18.2	Purlins to Repositories at 1300 to 1650 c/c (0.9 Aluminium Brownbult Sheet)	D	175 x 65 x 20 x 2.5
18.3	Girls - 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	C	100 x 75 x 20 x 2.5
18.5	Purin verge trim. GMS Angle	D	70x70x6
18.6	Purin 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 Hd Sec Bracing to repository columns	C	139x5
20.2	Repository brickwork wall brace U.Col	D	Om
20.3	Curtain wall bracing. Rect Hd/Sec	C	160x80x4


D11 D12 F.30 F.31 F.32 G.7 G.8 G.21 G.23	Foundations and Ground Slabs Conc Foundations per Str Eng Spec/Legend. R. conc Surface bed per Str Eng Spec/Legend. Substructure – 230mm Brickwork wall, Face brickwork exposed Substructure – R conc core wall, Face brickwork exposed. Refer Str D16.5 Substructure – R conc core wall, Plaster / painted. Refer Str D16.6 DPM 170 micron Under Surface Bed DPC 375 micron over foundation walls Subsoil Bitumen, Polyester and Glass Fibre Waterproofing Membrane Agricultural Drain in Stone Surround
D13 D14 D15 D16 D.34 D.35 D.36 D.37	Concrete Work: R. conc Slab per Str Eng Spec/Legend. R. conc Slab edge beam / Beam per Str Eng Spec/Legend. R. conc Column per Str Eng Spec/Legend. Structural wall per Str Eng Spec/Legend. Off shutter Concrete Finishing Off-shutter Finish to concrete work. Type. Smooth Off shutter. Off-shutter Finish to concrete work. Type. Smooth-Special Off shutter. Off-shutter Finish to concrete work. Type. Special-Off Form Textured shutter. Off-shutter Finish to concrete work. Type. Special-Off Form Linear shutter.
F.33 F.34 F.35 F.36 F.37 F.38 F.39 F.40 F.43 F.44 F.45	Brick Work: 230mm superstructure brickwork with plaster, Int finish per spec 504 115mm superstructure brickwork with plaster, Int finish per spec 504 230mm Brickwork wall, Facebrick externally, with plaster/ Int. finish per spec 504 270mm Brickwork insulated wall, F/bwk externally per spec 300mm Brickwork insulated wall, P/Painted externally per spec 115mm superstructure Facebrick lining to concrete wall. 340mm Height Face-brickwork dado. Facebrick finish Firelight Satin FBX Facebrick finish Black Brick Satin FBX Facebrick finish laid to pattern
M17 M18 M20 M19 G.14 G.15 G.16 H.14 H.12 H.13 Q.25 Q.28 Q.32 Q.33 Q.35 Q.36 N.40 N.41	Structural Steel Work: Structural steel Columns and Beams per Str.Eng Spec Galvanized mild steel Purlins/Girts per Str.Eng Spec Structural steel bracing per Str.Eng Spec Ramps and Stairs: Structural steel stringer to Ramps/Stair with concrete infill per Str.Eng Spec Insulation and Waterproofing: Waterproofing Membrane to Concrete Roof 50mm EPS Hydroboard Over Waterproofing Insulation 40mm Stone Ballast to Roof Over Purlin Roofing Insulation. 75Mm Glass-wool Blanket Roofing / Cladding, Sewer and Rain Water Standing Seal Concealed fx 406 Al. Roof Sheetting - 0.8mm Standing Seal Concealed fx 406 Al. Roof Sheetting - 0.9mm 150 mm ø full bore outlet. Storm-water attenuation per Civil Eng Design refer Dwg No... 250 x 130 mm Seamless GRP Gutter to Admin Block 400 x 180 mm Seamless GRP Gutter to Repository 160mm ø uPVC Rain Water Down Pipe 200mm ø uPVC Rain Water Down Pipe Aluminium facade system. Luxalon F150 system. Aluminium Side wall cladding. Brownbilt profile
I.14 I.15 I.16 N.20 N.25 N.26 N.27 N.28 E.12 N.30 N.31 N.32 E.14 N.33	Components Joinery: Timber screens. Hardwood timber slat screen, African Mahogany Timber panelling. Hardwood veneered, 12mm Plywood facing. Joinery fittings / shelving to Fittings sched. A2361-505 Balustrades and Handrails: Balustrade per metalwork schedule Doors: Aluminium Doors to Schedule Steel clad door per Door schedule A2361-520 Timber door per Door schedule A2361-520 Aluminium Roller Shutter Door per Door schedule A2361-520 Windows: Precast concrete window cills. Aluminium Windows to Sched Aluminium Window wall to Sched Metalwork – Louvres: Aluminium Louvres to Metalwork Sched Precast concrete Louvre Vent Block Metalwork – General: Painted gms access ladders to Metalwork Sched A2361-505
J.9 J.10 J.11 J.12 J.14 J.18 K.4 K.5 K.8 P.10 P.11 P.18 P.19 J.15 J.16 J.17 J.24 S.13	Finishes Ceilings: Suspended Flush P/board in 9mm Board,Ind Bulkheads 90 Minute Fire Rated Internal Suspended Flush Plasterboard Ceiling Suspended Flush P/board in 12mm Moisture Resistant Board , Ind Bulkheads Suspended Heradesign Acoustic Ceiling Tee System Aluminium Suspended Ceiling System 50mm FR EPS, Sheet clad ceiling panel Floor Coverings and Tiling: Entrance Floor Matt Textured Epoxy Finish to Concrete Floor Carpet Non slip Porcelain Tiles Ceramic Walls Tiles to plastered walls Terrazzo Non-slip tile finish Terrazzo tile- Classic Polished finish Wall finishes / Partitioning 2 hour Fire Rated Internal Flush Plasterboard Partition 50mm FR EPS, Sheet clad wall paneling 80mm FR EPS, Sheet clad wall paneling Acoustic Flush Plasterboard Partition 2 Hour Fire Rated Intumescent Coating as Protection to Structural Steelwork.
U.8 U.9 U.10 U.12 U.15 U.16 U.19 U.21 U.22 U.23 U.24 U.26 U.27 U.28 U.29	External Works Existing Civic Building to be protected during construction Retained Dwelling Unit to be protected during construction Remove existing pre-cast fence around cell phone mast Demolish existing Dwelling Unit, Garage, Driveway and Fence Create new driveway from Emolweni Road New boundary fence to MW schedule Gabion Rock Retaining Wall to Civil eng detail. Clay Paving Bricks to Walkways Concrete Paving Bricks to Driveways and Parking Bays Relay Asphalt to existing vehicle entrance off Abelia Road New Asphalt driveway to allow access to HVAC, Generator and MV Room Soft Landscaping. Tree type to be specified. Soft Landscaping. Grassing to be specified. Existing Trees to be protected during construction External Signage to Schedule A2361-507

KEY

North



City Architects
sustainable & integrated services



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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 Sections S17 Detail Section 1 + West Elevation	
Designed P.D.	Signed
Drawn P.D.	Name
Scale/s 1 : 25 (A1)	Date 2020.06.30
Drawing No. A - 333 . _	Revision