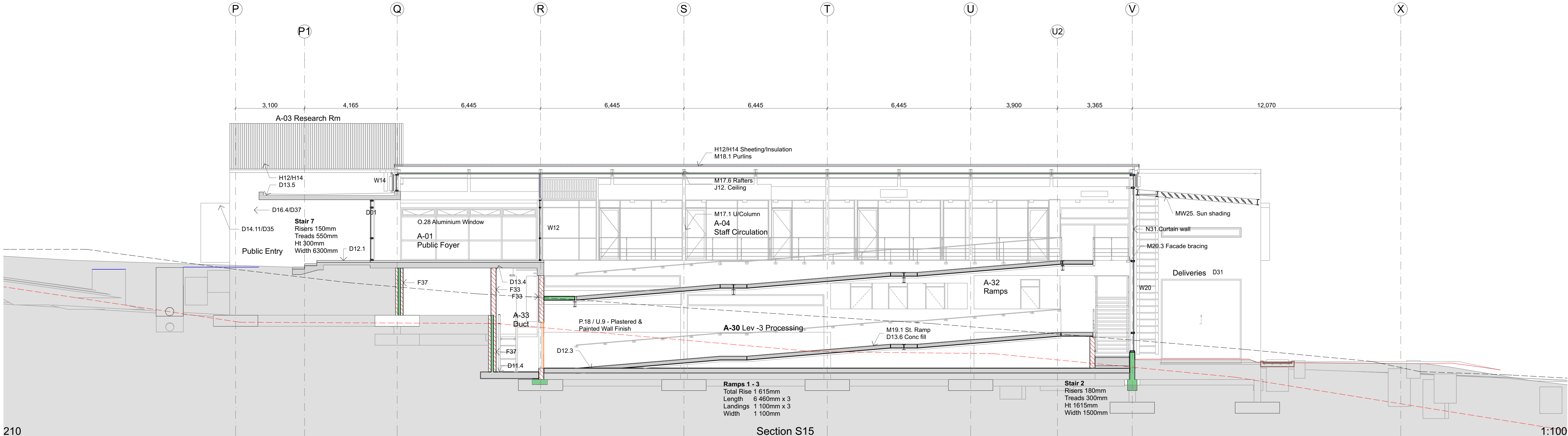


Section S14

1:100



Section S15

1:100

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

KEY

North

Project Description :

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

Contract No. CSA / 2361

DRAWING TITLE

Sections S14 - S15

Designed P.D.

Signed

Drawn P.D.

Name

Scale/s 1:100

Date 2019 - 05- 16

Drawing No. A - 211 . C

Revision

Slr	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
	Ground Slab to Repositories Block D.		340mm thick + 220x220x300 mm panels
13.2	Inc dropped slab at columns		340
13.3	UG Floor slab to Repositories		255
13.4	UG 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	85+255mm
13.9	UG Floor ground-slab to Repositories	E	255
D14	Downstands Beams		
14.1	Downstand Beam to Office U/G Floor Slab along Grid V-W16, V-W17, W16-18	C	300 x 680 (255 slab)
14.2	Increased depth to downstand Beam	C	300 x 1530 (255 slab)
14.3	Increased depth to downstand Beam	C	300 x 1020 (255 slab)
14.4	Downstand Beam to U/G Floor Office Slab along Grid V-W16, V-W17, W16-18	B	300 x 680
D15	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	B	415 x 380
14.7	Celling lev. Grid 18	B	120x1000
14.8	Concrete Beam U/G at apex G18/V-W	C	230x510
14.9	Concrete Beam to repository columns	C	310x595
14.10	Conc ridgebeam to Rm A-3	C	310x510
14.11	Conc sunshade projection to Rm A-3	D	1300x200
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 - G18	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	D	254 x 146 x 43
17.5	Valley Beams, G14-V16-18	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	D	254x146x43
17.8	Lattice trusses- Repositories. 600Mm depth	B	600 Depth
17.9	Columns: Universal Steel Column - Office & Processing G14	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			
	Purlins to Office and Processing Area at 1200 c/c (0.8 Aluminium Brownbilt Sheet)	D	125 x 65 x 20 x 2.5
18.1	Purlins to Repositories at 1300 to 1650 c/c (0.9 Aluminium Brownbilt Sheet)	D	175 x 65 x 20 x 2.5
18.2	Girts – Lipped Channels	C	175 x 65 x 20 x 2.5
18.3	Lipped channel studs for fire proof ceiling at 1200cc. To same bearer hung from truss	C	100 x 75 x 20 x 2.5
18.4	Purlin rake apex trim – Lipped Channels	D	175 x 65 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	200 x 90 x 34
19.2	Stringer to Stairs – Channel	B	250 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	Omst
20.3	Curtain wall bracing. Rect Hot/Sec	C	160x80x4

