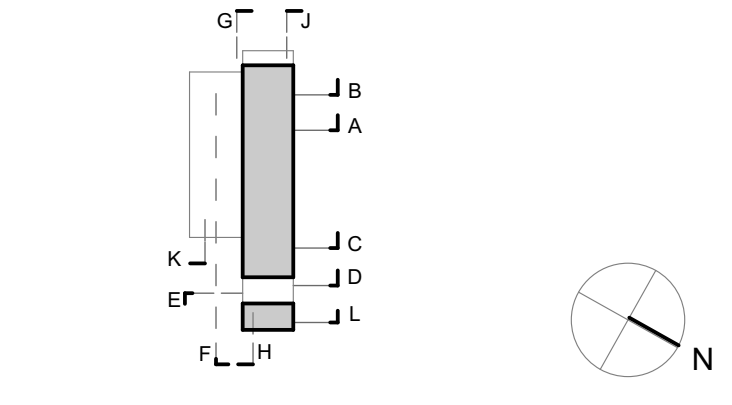




Construction Notes	
Foundations + Surface beds	
E.13	Foundations. Strip footings- Refer Eng. S-001
E.14	Surface bed 1. Admin Building. 120Mm
E.15	Surface bed 2. Engine Bay. 250Mm
E.16	Foundation pad footing and stub column.
E.5	4.4. Wood floated screed. For tiling / paint prep
E.5	4.5 Steel floated screed. For vinyl products
E.20	Conc pad footings + stub column. Carport
E.24	350mm diam Conc piles per str eng dwg (S-001)
E.25	R.conc pile caps per Str dtl (S-001)
E.26	R.conc ground beams – per Str Eng dwg (S-001)
E.26	Foundation brickwork. FBX Firelight Satin to Administration Block and FBX Onyx Satin to Engine Bay
G.39	Bay
H.7	DPM. 170 micron Under surface bed
H.8	DPC. 375micron dpc over all foundation bwk walls
Superstructure	
E.17	Suspended 250mm R.conc floor slab.
E.18	Suspended 250mm R.conc inclined roof slab.
E.29	R.Conc cast window sill / lintel. Per Str Eng dtl.
E.22	Concrete columns 350x350. eng dwg S-002/3
E.23	R. Concrete edge beams 350x510/1020 (S-003/4)
E.27	R.Concrete core plinth wall, Plastered bwk facing
E.28	R. Conc box gutter – refer Str Eng dwgs (S-004)
F.10	Precast concrete Louvre vent blocks
Superstructure brickwork – FBX Firelight Satin to Administration Block and FBX Onyx Satin to Engine Bay	
A G.40	Bay
G.41	Superstructure brickwork – plaster + paint
H.9	Ablutions – Cemflex Under tile waterproofing
I.14	Roof sheeting- Klip-lok 406 sheeting. Aluminium
N.6	Structural steel portal frame. Per Str Eng S-010
N.7	Gms purlins. Engine bay. 175x75x20x2.5
N.8	Gms girts. Engine bay. 175x75x20x3.5
N.9	GMS carport rafters – 254x146. Per Str Eng dwg
N.10	Purlins – carport. Per Str Eng dwg 175x70x20
N.12	GMS carport posts – 152x152 per Str Eng dwg
Roofing + Rain water	
E.19	Roof screed to min 1:60 or 1: 80 Fall
Polymer modified bitumen membrane roof waterproofing	
H.13	Over waterproofing insulation. 50Mm EPS
H.15	Over roof insulation – 40mm Stone ballast
I.12	Translucent sheeting. Polycarbonate
I.14	Roof sheeting- Klip-lok 406 sheeting. Aluminium
N.11	Steel stair stringer. Conc treads on steel formers
R.23	Full bore outlet. 150Mm diam
R.27	Seamless al. Gutter, 220X200 box profile
R.3	Rainwater down pipe. 200Mm pvc
Components	
G.35	Windows – Cill type 1.
F.9	Precast concrete cill (Kalvis C6)
G.9	Lintels. Prestressed conc + Reinforced bwk over
H.17	Windows – DPC to reveal / cill.
J.12	Doors – external H/Wood with H/wood frame
J.17	Fittings to schedule
O.17	Balustrade 1. S/steel handrail bolted to gms posts
O.18	Balustrade 2. S/steel handrail to gms brackets
O.20	Fixed Aluminium duct cover / vent
O.21	Roller door. High speed, Efaflex STT-L or eq app..
O.23	Windows – Aluminium per schedule.
O.24	Doors – external Glazed aluminium door
O.25	Roof access ladder. Gms, to Dtl Dwg 588
Finishes	
K.10	Plasterboard bulkhead
K.9	Suspended Ceiling System To General Areas
C K.11	Over purlin insulation. Factorylite
L.4	Epoxy Floor coating
L.5	Epoxy wall coating
Q.5	Glazed ceramic wall tiling
Q.6	Ceramic floor tiling
Q.9	Tile To General Areas. Floor & Skirting
External Works	
E.21	Concrete core retaining wall, F/bwk facing
F.12	Kerb 1. LG Green or eq. App Fig 6
G.38	Block paving per Municipal '92 Preambles
G.43	Freestanding brickwork screen wall.
G.44	Roller course coping. Conc pads for fence fixing
G.45	Bin area enclosure. 220Mm F/bwk
R.15	Cast iron covers, gratings, etc.
W.11	Gravity Retaining blocks. Loffelstein or eq.app
W.12	Soft Landscaping. Ground cover
W.15	Storm water attenuation depression.
W.16	External signage.
W.4	Precast concrete kerbs and channels
W.7	Fence – Weldmesh on posts at 3m cc
W.8	Fence – Clearvu 2.1m ht with posts at 3.3mcc
W.9	Gate (sliding)– Clearvu
W.17	Gabion Rock packed retaining wall
Mech / Elec elements	
R.19	Fire hose reels (per Mun. preambles '92)
R.24	Water Meter. (diam. Refer Civil Eng 100mm diam)
R.25	Storm-water connection point. (Civil eng dwg C 30)
R.26	Sewer connection point. (Civil eng dwg C 40/41)
X.1	Electricity meter
X.4	AC unit position
X.6	Mech ventilation- 75L/sec Lecture venue
X.7	Extract – engine bay per Mech dtl. 10 cycles/hr
X10	Heat Pump and water storage geyser



2016 . 07 . 29		1. Added D23 to Store Rm12
2016 . 04 . 25		1. Dimensions shown, per Rev WD120-01
2015 . 12 . 03		1. Engine bay. Brickwork to grids C-F / 3 and C-F / 10 2. Drop buildings by 500mm. Landscaped areas adjoining Overall building length reduced by 100mm. Steel columns at D-E/3 and D-E/10 reduced dimension per Str Eng specification
2015 . 08 . 03		1. Admin - reposition 2.5m towards church 2. Drop buildings by 500mm. Landscaped areas adjoining dropped to match 3. Repositioned car ports
Rev #	Date	Description
 City Architects sustainable & integrated services		
 ETHEKWINI MUNICIPALITY Procurement & Infrastructure Cluster Engineering Unit Architecture Department 166 K.E.Masinga Road, Durban, 4001 Tel: 031 311 7098 Fax: 031 311 7111		
KONSTRUKT ARCHITECTS 500 ESTHER ROBERTS ROAD DURBAN 4001 031 205 3057 admin@konstrukt.co.za		
Project Description :		
Name Road,		153 MACLEAN STREET
Suburb Area		UMKOMAAS
Building		PROPOSED FIRE STATION
Contract No. CSA / 2387		
DRAWING TITLE GENERAL ARRANGEMENT PLANS LEV 0 - GROUND FLOOR		
Designed	Checked	
Drawn	Approved	
Scale/s 1 : 100	Date 2016 / 07 / 29	
Drawing No. WD - 120	Revision 04	