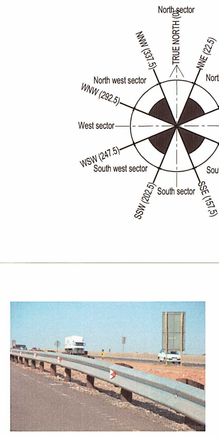
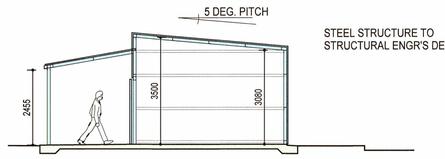
ERF 114

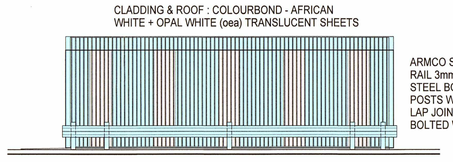


900mm/1m HIGH ARMCO BARRIER



STEEL STRUCTURE TO STRUCTURAL ENGR'S DETAIL

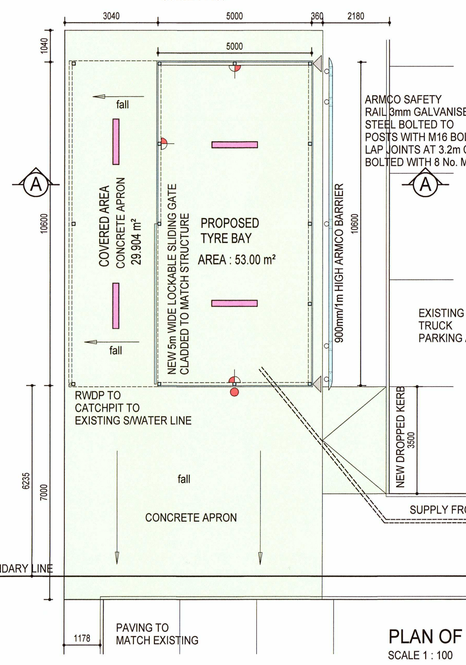
SECTION A A
SCALE 1 : 100



CLADDING & ROOF : COLOURBOND - AFRICAN WHITE + OPAL WHITE (oea) TRANSLUCENT SHEETS

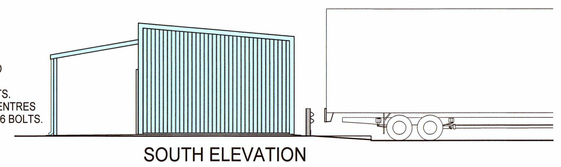
ARMCO SAFETY RAIL 3mm GALVANISED STEEL BOLTED TO POSTS WITH M16 BOLTS. LAP JOINTS AT 3.2m CENTRES BOLTED WITH 8 No. M16 BOLTS.

EAST ELEVATION
SCALE 1 : 100

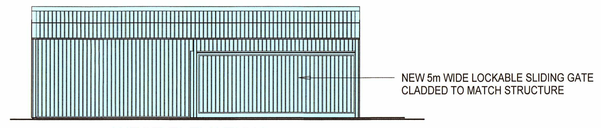


PLAN OF TYRE BAY
SCALE 1 : 100

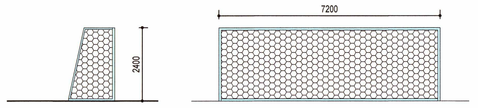
ARMCO SAFETY RAIL 3mm GALVANISED STEEL BOLTED TO POSTS WITH M16 BOLTS. LAP JOINTS AT 3.2m CENTRES BOLTED WITH 8 No. M16 BOLTS.



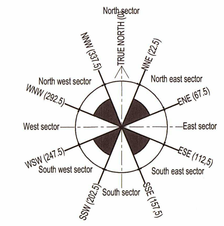
SOUTH ELEVATION
SCALE 1 : 100

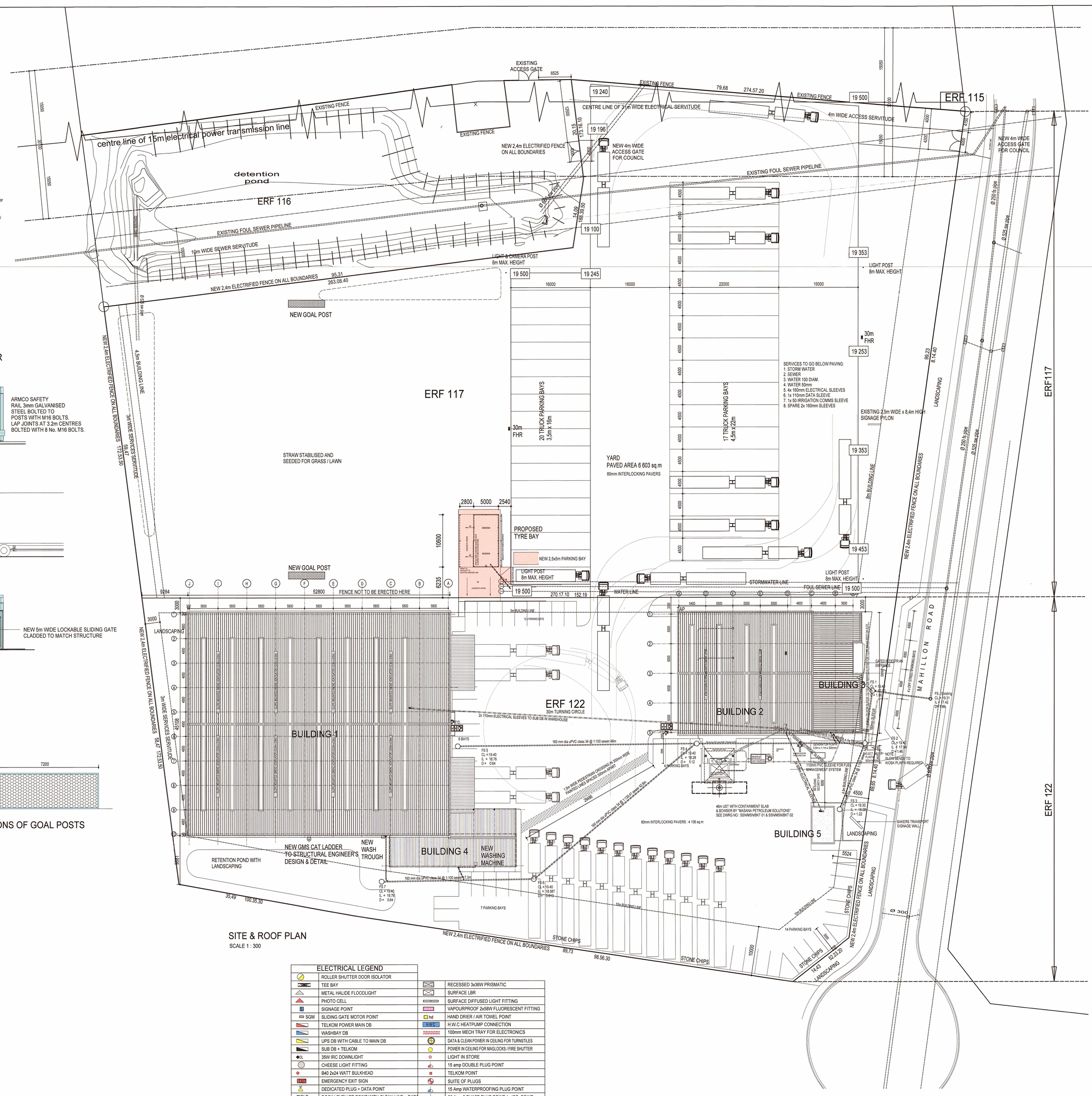


WEST ELEVATION
SCALE 1 : 100



1 : 100 ELEVATIONS OF GOAL POSTS





SITE & ROOF PLAN
SCALE 1 : 300

ELECTRICAL LEGEND			
	ROLLER SHUTTER DOOR ISOLATOR		RECESSED 3x36W PRISMATIC
	TEE BAY		SURFACE LBR
	METAL HALIDE FLOODLIGHT		SURFACE DIFFUSED LIGHT FITTING
	PHOTO CELL		VAPOURPROOF 2x58W FLUORESCENT FITTING
	SIGNAGE POINT	hd	HAND DRIER / AIR TOWEL POINT
SGM	SLIDING GATE MOTOR POINT	H.W.C	H.W.C HEATPUMP CONNECTION
	TELKOM POWER MAIN DB		100mm MECH TRAY FOR ELECTRONICS
	WASHBAY DB		DATA & CLEAN POWER IN CEILING FOR TURNSTILES
	UPS DB WITH CABLE TO MAIN DB		POWER IN CEILING FOR MAGLOCKS / FIRE SHUTTER
	SUB DB + TELKOM		LIGHT IN STORE
	35W IRC DOWNLIGHT		15 amp DOUBLE PLUG POINT
	CHEESE LIGHT FITTING		TELKOM POINT
	B40 2x24 WATT BULKHEAD		SUITE OF PLUGS
	EMERGENCY EXIT SIGN		15 Amp WATERPROOFING PLUG POINT
	DEDICATED PLUG + DATA POINT		30 Amp 3 PHASE PLUG POINT 1x ISO. POINT
DLP	DOCK LEVELLER POINT WITH CLEAN LINE + DATA		5Z8 SAMPLE STORE & BATTERY CHARGING AREA
	DOUBLE PLUG		FLOOR BOX WITH SUITE OF PLUGS
	DECORATIVE BULKHEAD LIGHT FITTING		POWER POLE WITH SUITE OF PLUGS
	CABLE TRAY ABOVE ROLLER SHUTTER DOORS		B40 FITTINGS ON PLANT DECK
	P2000 DUCTING		REVOLVING LIGHT
	P9000 DUCTING		ELECTRIC LOCK FIRE LINKED TO POWER SKIRTING
	POWER SKIRTING		OPEN CHANNEL. (LIGHT SWITCH TO BE ON INSIDE OF DUCT)
	RECESSED 3x36 WATT LBR LIGHT FITTING		

ZONING REQUIREMENTS - ERF 122 - EXISTING FACILITY

ZONING -	GENERAL INDUSTRIAL
SITE AREA =	9 829 sq.m
COVERAGE ALLOWED	60% = 5 897.4sq.m
ACTUAL COVERAGE (EXCL. CANOPY) =	3 421.64 sq.m = 34.81 %

ACTUAL FLOOR AREAS :

BUILDING 1 : WAREHOUSE & OFFICES

WAREHOUSE :	2 253.94 sq.m
OFFICES & ABLUTIONS :	117.25 sq.m
TOTAL :	2 371.19 sq.m

BUILDING 2 : WORKSHOP & WASHBAY

WSHOP WASHBAY & STORE :	577.55 sq.m
GROUND FLOOR WORKSHOP OFFICE :	76.85 sq.m
FIRST FLOOR DRIVERS LOUNGE :	78.00 sq.m
TOTAL :	733.40 sq.m

BUILDING 3 : MAIN OFFICE BLOCK

GROUND FLOOR OFFICES :	214.58 sq.m
FIRST FLOOR OFFICES :	222.60 sq.m
TOTAL :	437.18 sq.m

BUILDING 4 : DRIVERS & G/WORKERS CHANGE ROOMS

TOTAL :	152.26 sq.m

BUILDING 5 : GUARDHOUSE & REFUSE ROOM

TOTAL :	22.65 sq.m

TOTAL BUILDING AREA :	3 716,68 sq.m

PARKING REQUIREMENTS		BAYS
OFFICES: 2.6 BAYS PER 100sq.m	609.19 sq.m	16
WAREHOUSE: 1 BAY PER 100sq.m	2 276.50 sq.m	23
WORKSHOP : 1.5 BAYS/100 sq.m	543.95 sq.m	8
TOTAL REQUIRED		47
TOTAL PROVIDED		47 (ON SITE)

ZONING REQUIREMENTS - ERF 117

ZONING -	GENERAL INDUSTRIAL
SITE AREA =	13 225 sq.m
COVERAGE ALLOWED	60% = 7 935.00sq.m
ACTUAL COVERAGE =	0.63%
TOTAL BUILDING AREA :	82.904 sq.m

PARKING REQUIREMENTS		BAYS
WORKSHOP : 1.5 BAYS/100 sq.m	53.00 sq.m	1
TOTAL REQUIRED		1
TOTAL PROVIDED		1

CONCISE SPECIFICATION

A FOUNDATIONS:
R. C. bases and strip footings to Structural Engineer's design and detailed drawings.

B FLOOR
GROUND FLOOR OFFICES:
100 mm 25 MPa concrete surface bed on 250 micron dpm on compacted roshu material.
WORKSHOP :
200mm 35MPa concrete slab on 150mm sub-base on fill compacted to a min. of 98% mod. AASHTO.

C R. C. BEAMS, COLUMNS, SLABS & RETAINING WALLS:
All reinforced concrete beams, columns, bases and slabs to Structural Engineer's design and detailed drawings.

D WALLS
EXTERNAL & INTERNAL:
230mm External dense concrete masonary block cavity walls, with all internal office and external walls smooth trowel plastered and painted with a filler undercoat, and finished with two coats of Pure Acrylic PVA OR equally approved All ablutions, kitchens etc tiled 300mm Splashbacks. Warehouse walls bagged and painted.

E CEILS:
EXTERNAL: Tiled cill to fall.
INTERNAL: Plastered cills to offices with tiled cills to abulutions and kitchens.

F FENESTRATION:
Powder coated Aluminium AAAMSA approved aluminium fenestrational units with opening sections as shown on elevations.

G ESCAPE DOORS:
950 mm Wide white painted GMS escape doors as shown on elevations in 1,1 m wide openings as per NBR TT19,8.

H OFFICE CEILINGS:
600 x 1200mm x 12.5mm Vinyl Clad Rhinolek Ceiling tiles in an Exposed Tee fixing, or equally approved Suspended Ceiling where shown.

I EXPOSED SOFITS BELOW CONCRETE SLABS :
Painted Cretestone skimmed finish to underside of R.C. slabs where exposed internally in offices.

J RAINWATER GOODS:
Purpose made GMS gutters with GMS rainwater down pipes.

K ROOF FINISH
FACTORY:
ZINCALUM NOVITEK) sheeting on 50mm factorylite to the Warehouse and the offices on G. M. S. purlins on Steel trusses with spacings etc all to Engineers detailed drawings.
COLOUR:
PITCH : APPROX. 3 Deg.

THE USE AND STORAGE OF FLAMMABLE LIQUIDS TO COMPLY WITH SANS 10400, PART T & PART O. THE COMMUNITY FIRE SAFETY BY-LAWS AS WELL AS THE OCCUPATIONAL HEALTH AND SEFETY ACT.

revisions

NO	DESCRIPTION	BY	DATE
A	FHR TO TRUCK PARK SHOWN	JP	03/04/15

PROPOSED TYRE BAY & MINOR WORKS FOR
BAKERS TRANSPORT
ON ERF 117 & 122, SHEFFIELD BUSINESS PARK
PHILLIPPI

1 : 300 SITE & ROOF PLAN

PMAC
Paul Matthews Architectural Consultants
26 Swarthout Crescent, Plattekloof 2, 7500
PHONE : 021 930 0197, FAX : 021 930 4130
E-MAIL : info@pmac.bz

DATE	DEL	SCALE
SEPT. 2014	JULIAN	AS SHOWN

PROJECT NO	DWG NO	
BT P 03	WD 001	A