DO NOT SCALE - IF IN DOUBT, ASK

GROUND STOREY PLAN

KEY PLAN & GROUND STOREY PLAN

GENERAL NOTES

CIVIL
LAYER WORK:
INSITU TO BE COMPACTED TO 100%, 150MM G5 TO BE COMPACTED TO 96% % 30MOD TO DENSITY 150MM G2 TO BE COMPACTED 98% 30MM PEE MIX

STRUCTURAL
PLINTHS
SINGLE PLINTHS : 20 (350x350mm) DEPTH TO DETERMINED BY ENGINEER
DOUBLE PLINTHS : 30 (700x350mm) DEPTH TO DETERMINED BY ENGINEER
1. PLINTH BARS TO BE PLACED AT 200MM CENTRE TO CENTRE
2. CONCRETE COVER OF 50MM TO BE USED
3. Y12 BARS TO BE USED AT EACH FACE OF PLINTHS
4. PLINTHS TO BE 200MM IN HEIGHT
5. PLINTH TO PROTRUDE 170MM ABOVE FUTURE GROUND LEVEL

ELECTRICAL
THE INTERIOR LIGHTING LEVELS ARE TO BE DESIGNED ACCORDING TO SANS 10114-1.

- BOARDROOM 500 LUX
- OFFICE 500 LUX
- KITCHEN 300 LUX

THE EXTERIOR LIGHTING LEVELS ARE TO BE DESIGNED ACCORDING TO SANS 10114-2.

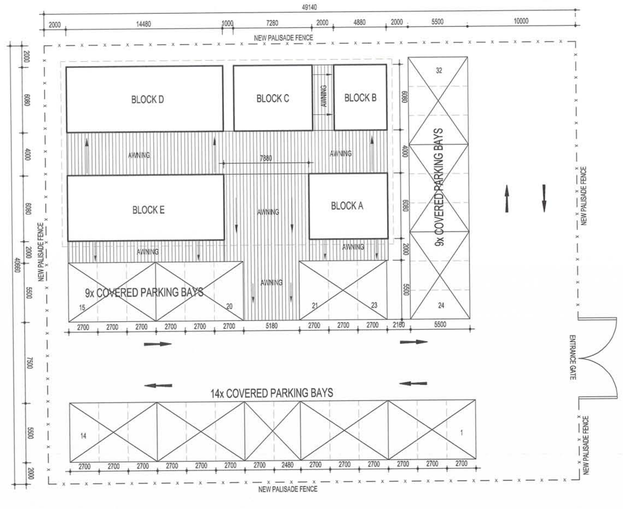
- WALKWAY 20 LUX

SOCKET OUTLET ACCORDING TO BE DESIGNED ACCORDING TO SANS 10142-1

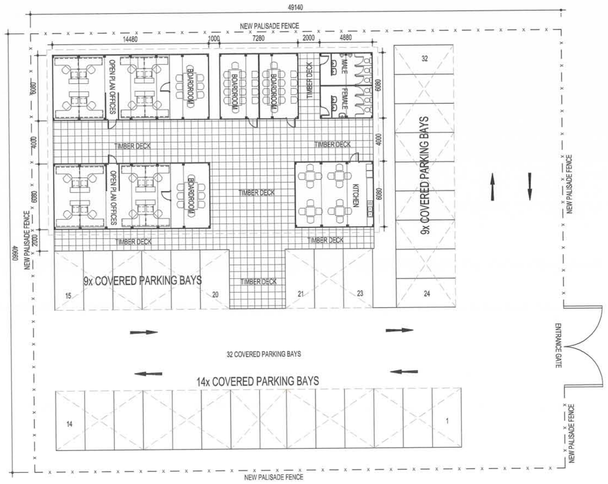
- OFFICES 2X DEDICATED AND 2X NON DEDICATED PLUG POINT PER OFFICE DESK, AND 1X DEDICATED AND 2X NON DEDICATED PLUG POINTS BY THE WALL.
- BOARDROOMS 3X DEDICATED AND 3X NON DEDICATED PLUG POINTS
- KITCHEN 2X DEDICATED AND 5X NON DEDICATED PLUG POINTS

MECHANICAL

- THE CONTRACTOR SHALL DESIGN, SUPPLY, INSTALL AND COMMISSION AIR CONDITIONING AND VENTILATION TO BLOCKS A, C, D AND E. ALL DESIGN SHALL COMPLY WITH SANS 10400-O AND ALL OTHER RELEVANT CODES AND STANDARDS.
- THE CONTRACTOR SHALL DESIGN, SUPPLY, INSTALL AND COMMISSION VENTILATION TO BLOCK B. THE DESIGN SHALL COMPLY WITH SANS 10400-O AND ALL OTHER RELEVANT CODES AND STANDARDS.
- THE CONTRACTOR SHALL DESIGN, SUPPLY, INSTALL AND COMMISSION THE DOMESTIC WATER RETICULATION SYSTEM TO BLOCKS A, B, C, D AND E WHERE REQUIRED AS PER THE WORKS INFORMATION. THE DESIGN SHALL COMPLY WITH ALL SANS CODES AND ALL OTHER RELEVANT STANDARDS AND REGULATIONS.
- THE CONTRACTOR SHALL DESIGN, SUPPLY, INSTALL AND COMMISSION THE FIRE PROTECTION SYSTEM TO BLOCKS A, B, C, D AND E. THE DESIGN SHALL COMPLY WITH SANS 10400-T AND ALL OTHER RELEVANT CODES AND STANDARDS.

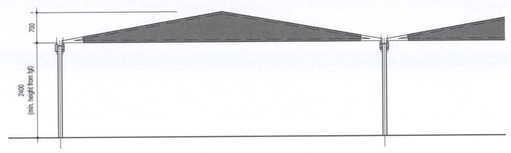


ROOF LAYOUT PLAN
SCALE : 1:200

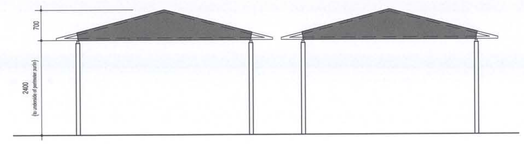


GROUND STOREY PLAN
SCALE : 1:200

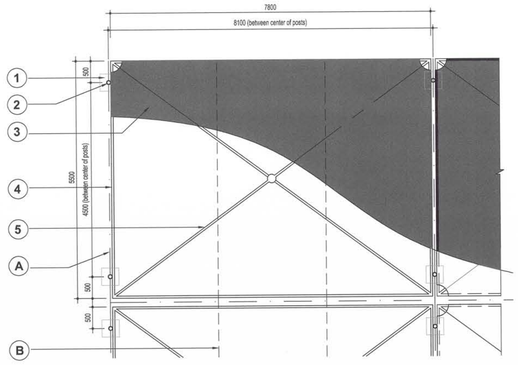
CARPORT DETAIL



TYPICAL FRONT ELEVATION OF A 3 BAY CARPORT
SCALE 1 : 50

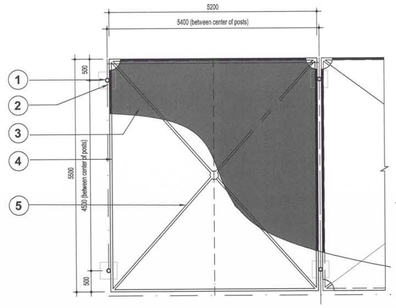


TYPICAL SIDE ELEVATION OF A 3 BAY CARPORT
SCALE 1 : 50

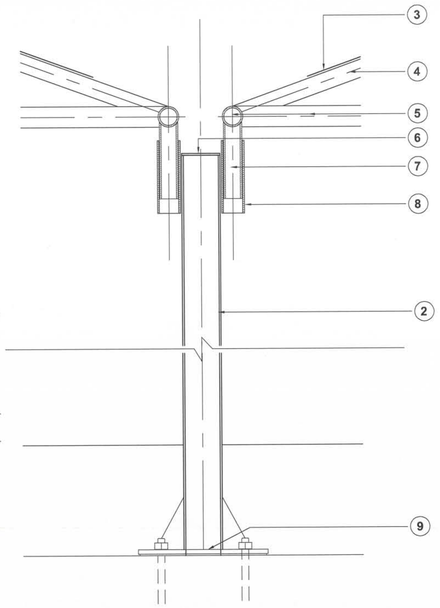


TYPICAL LAYOUT PLAN OF A 3 BAY CARPORT
SCALE 1 : 50

NOTE: CENTERS BETWEEN POSTS
8100 - 3 BAY CARPORT
5400 - 2 BAY CARPORT



TYPICAL LAYOUT PLAN
DOUBLE CARPORT
SCALE 1 : 50



TYPICAL DETAIL SECTION THRO' STRUCTURAL FRAME WORK
(INTERNAL COLUMN BETWEEN CARPORTS)
SCALE 1 : 5

LEGEND FOR CARPORT

1. CONCRETE FOOTING TO BE A MIN. OF 25MPa AT 28 DAYS CONCRETE FOOTING TO ENG. DETAILS
2. UPRIGHT POST : CIRCULAR HOLLOW SECTION TO BE "STRUCTATUBE 300" TO GRADE 300W TO SABS 1431
3. BONNET: HIGH DENSITY POLYETHYLENE SHADECLOTH BONNET: HIGH DENSITY POLYETHYLENE SHADECLOTH NO ROTTING AS PER "ALNET" - COLOUR: (TRUE BLUE) - WATER RUNOFF (BETWEEN 90% TO 100%) - SHADE COVER (86%)
4. PERIMETER PURLINS : CIRCULAR HOLLOW SECTION TO BE "STRUCTATUBE 300" TO GRADE 300W TO SABS 1431
5. PITCH PURLINS : CIRCULAR HOLLOW SECTION TO BE "STRUCTATUBE 300" TO GRADE 300W TO SABS 1431
6. CLOSURE TO UPRIGHT POST : STEEL TO BE GRADE 300W TO SABS 1431
7. ROOF STRUCTURE CONNECTOR : CIRCULAR HOLLOW SECTION TO BE "STRUCTATUBE 300" TO GRADE 300W TO SABS 1431
8. SLEEVE : CIRCULAR HOLLOW SECTION TO BE "STRUCTATUBE 300" TO GRADE 300W TO SABS 1431
9. BASE PLATE : STEEL TO BE GRADE 300W TO SABS 1431 HOLE TO BE CORED THROUGH BASE PLATE TO SUIT ID OF UPRIGHT POST. CONTACT SURFACE BETWEEN BASE PLATE AND ID OF UPRIGHT POST TO BE POLISHED TO AVOID DAMAGE TO ELECTRICAL CABLE

A. 100mm WIDE PAINTED SOLID RED LINE ON TO EXISTING "0" BLOCKS - SEE TYPICAL PLAN OF 3 BAY CARPORT

B. 100mm WIDE PAINTED SOLID WHITE LINE ON TO EXISTING "0" BLOCKS - SEE TYPICAL PLAN OF 3 BAY CARPORT

GENERAL NOTES FOR CARPORT

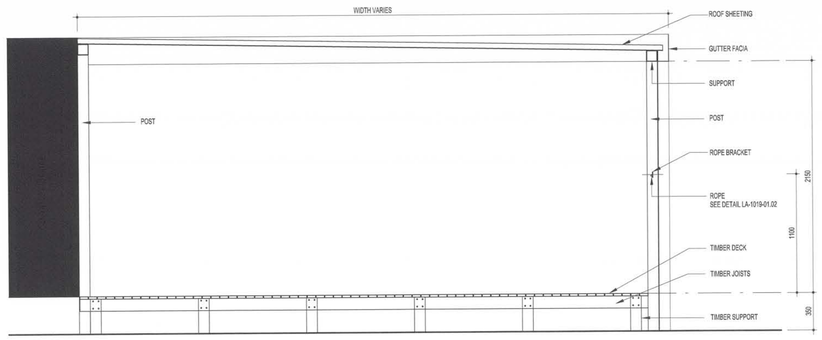
THIS DRAWINGS SERVES AS A DESIGN INTENT. THE CONTRACTOR IS TO DESIGN, SUPPLY AND INSTALL ALL STRUCTURAL WORK TO BE DESIGNED BY A PROFESSIONAL REGISTERED ENGINEER AND PROVIDE ALL NECESSARY CERTIFICATES ON COMPLETION. THE CONTRACTOR'S ENGINEER'S DESIGN AND ALL SHOP DRAWINGS IS TO BE ACCEPTED BY A TRANSNET ENGINEER.

- ALL EXISTING ROAD MARKINGS TO BE REMOVED BY SANDBLASTING
- ALL M12 BOLTS TO BE GRADE 4.8 TO SABS 135.
- ALL M16 & M20 BOLTS TO BE GRADE 8.8 TO SABS 136.
- PROVIDE RUBBER SPACERS BETWEEN THE DIFFERENT METALS.
- ALL MILD STEEL TO BE HOT-DIPPED GALVANISED TO SABS-ISO 1461
- ALL STEEL IS TO BE PASSIVATED
- ALL SHOP DRAWINGS TO BE APPROVED BY TRANSNET ENGINEERS PRIOR TO FABRICATION.
- ALL WELDS ARE TO BE 6mm CONTINUOUS FILLET WELDS.

- CARPORTS TO BE DESIGNED FOR A REGIONAL BASIC WIND SPEED ACCORDANCE PORT ENVIRONMENT

- STEELWORK TO BE FABRICATED AND ERECTED IN ACCORDANCE WITH TRANSNET'S SPECIFICATION S309 AND SABS 1200H

AWNING & TIMBER DECK DETAIL



TYPICAL SECTION THROUGH WALKWAY
SCALE 1 : 20

GENERAL NOTES FOR AWNING & TIMBER DECK

THIS DRAWINGS SERVES AS A DESIGN INTENT. THE CONTRACTOR IS TO DESIGN, SUPPLY AND INSTALL ALL STRUCTURAL WORK TO BE DESIGNED BY A PROFESSIONAL REGISTERED ENGINEER AND PROVIDE ALL NECESSARY CERTIFICATES ON COMPLETION. THE CONTRACTOR'S ENGINEER'S DESIGN AND ALL SHOP DRAWINGS IS TO BE ACCEPTED BY A TRANSNET ENGINEER.

TIMBER SUPPORT:
H/W TIMBER SUPPORT FIXED TO EXISTING CONCRETE FLOOR SLAB USING GMS BRACKETS AND ANCHOR BOLTS.

TIMBER JOISTS:
H/W TIMBER JOISTS FIXED WITH GMS HILTI (OR EQUALLY APPROVED) NUTS BOLTS AND WASHERS.

TIMBER DECK:
H/W MERRANTI TIMBER PLANKS FIXED TO TIMBER JOISTS USING COUNTERSUNK S/S SCREWS.

POSTS:
GMS SQUARE TUBES TO BE POWDER COATED. COLOUR TO ARCHITECTS SPECIFICATION. POLES TO BE FIXED TO EXTG. FLOOR SLAB.

RAIN WATER:
ALL DOWNPIPES TO HAVE SPREADERS AND FLOW ONTO EXTG. FINISH GROUND.

ROOF SHEETING:
0.8mm GUAGE ALUMINIUM ROOF SHEETING TO MIN 1° FALL.

TRANSNET
2016 -12- 05
CAPITAL PROJECTS
DOCUMENT CONTROL - DURBAN
MASTER

NOTES

DRAWING NO. | REFERENCE

REFERENCE DRAWINGS

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
0A	ISSUED FOR TENDER	SW	ID	ID	02.12.2016

REVISIONS

This Document including all design and information therein is Confidential Intellectual Property of Transnet.
Copyright and all other rights are reserved by Transnet. This Document may only be used for its intended purpose.

CONTRACTOR / CONSULTANT			
TITLE	NAME	SIGN	DATE

OPERATING DIVISIONS			
TITLE	NAME	SIGN	DATE

TRANSNET CAPITAL PROJECTS			
TITLE	NAME	SIGN	DATE
DRAWN	SW		02 12 16
CHECKED	ID		02 12 16
DESIGNED	ID		02 12 16
CHECKED	.		. . .
.	.		. . .
.	.		. . .

PR.ENG. / PR.TECH./PR. ARCH		
NAME	ISMAIL DINDAR	DATE
SIGNATURE		02 12 16
REG. NUMBER	ST 1571	
SCALE :	AS SHOWN	A0

Transcribe Capital Projects
TRANSNET LTD. (TRADING AS TRANSNET CAPITAL PROJECTS) REG. NO. 1990/000905/30
237 MAHATMA GANDHI ROAD
DURBAN
P.O. BOX 31693, DURBAN
TEL: 031 361 1606
FAX: 0866 770815

PORT OF DURBAN

DEEPENING OF BERTHS 203 TO 205
TEMPORARY FACILITIES FOR
TCP AT LOT 10
KEY SITE PLAN, GROUND STOREY PLAN,
CARPORT DETAIL AND WALKWAY DETAIL

PROJECT NUMBER	OD	FBS	DIS	TYPE	DRAWING NO.	SHEET	REV	ID
2122830	1	180	A	LA	1000	01	1	TD