



MEMBER	NO	NO OF BARS	CUT LENGTH	TOTAL BAR MARK	SC	A	B	C	D	E/R	KG
BASE	2	26	Y16	2900	52	01	38	300	2390	300	238
	2	13	Y16	3650	26	02	55	300	400	2400	150
	2	10	Y20	1900	20	04	37	300	1650		148
	2	6	Y20	5400	12	05	37	300	15120		94
	2	4	Y12	5400	8	06	37	300	15120		160
CD COLUMN	2	38	R10	2450	76	07	81	690	340		38
	2	38	R10	1200	76	08	60	340	180		115
	2	38	R10	1600	76	09	60	340	390		56
	2	6	R10	1250	12	10	60	150	410		75
	2	6	R24	1300	12	11	37	250	1100		9
ANCHOR BOLTS	2	6	R24	1300	12	11	37	250	1100		60

	6	8	10	12	16	20	25	32	40	TOTAL
R			255				60			315
Y				38	536	254				827
TOTAL			255	38	536	254	60			1143

ACS A CONSULTING ENGINEERS
P2 ENTRANCE CANOPY
REINFORCEMENT

GENERAL NOTES:

FOR COMPLETE STRUCTURAL NOTES REFER TO DRAWING NR: 170241-1/5000 GENERAL NOTES

- THIS SET OF DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE RELEVANT DRAWINGS FROM OTHER DISCIPLINES AND ANY DISCREPANCIES BETWEEN THEM SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- NO SCALING OF DIMENSIONS IS PERMITTED ON THESE DRAWINGS. ONLY WRITTEN DIMENSIONS WHICH UNLESS NOTED OTHERWISE IN (a) ARE GIVEN IN MILLIMETERS. MAY BE DEEMED CORRECT. IF ANY DIMENSION SEEMS DOUBTFUL, THE ENGINEER SHALL BE CONSULTED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL MATERIAL SHALL COMPLY AND ALL WORKMANSHIP SHALL BE EXECUTED IN STRICT ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS SHOWN ON THESE DRAWINGS. THE LATEST REVISION OF SANS 10400, SANS 2001, THE NATIONAL BUILDING REGULATIONS AND THE LATEST EDITIONS OF THE RELEVANT SANS CODES OF PRACTICE AND STANDARDS METHODS, RESPECTIVE OF WHETHER THE ENGINEER HAS INSPECTED THE WORKS ON SITE OR NOT, WHERE A SANS CODE HAS BEEN REPLACED BY A SANS CODE IT IS DEEMED THAT THE LATEST VERSION OF THE RELEVANT CODE IS APPLICABLE.
- ALL STEEL AND FIXINGS TO BE HOT-DIP GALVANIZED.
- PAINTING TO ARCH. SPECIFICATIONS.
- ALL OPEN ENDS TO BE CLOSED WITH PLATE TO AVOID WATER INGRESS.
- ALL VENT HOLES FOR HDG TO BE SO POSITIONED TO AVOID RAINWATER INGRESS & ENSURE DRAINAGE OF RAINWATER FROM MEMBERS.
- SHOP DRAWINGS TO BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO MANUFACTURING.
- ALL SETTING OUT TO BE DONE ACCORDING TO THE CIVIL ENGINEERS DRAWINGS.
- NO SERVICES SHOWN ON DRAWINGS.
- ALL FOUNDATION DESIGN ARE SUBJECT TO DYNAMIC CONE PENETROMETER (DCP) TESTS. ALL DCP TESTS ARE TO BE DONE WITHIN THE FOUNDATION TRENCH PRIOR TO CASTING OF CONCRETE. MINIMUM SOIL BEARING CAPACITY: 100kPa.
- CONCRETE STRENGTHS:
 - STRIP FOOTINGS: 25MPa/15mm
 - FLOOR SLABS, WALLS & COLUMNS: 25MPa/15mm
 - BLINDING: 15MPa/15mm
 - MASS CONCRETE: 15MPa/15mm
- STRUCTURAL CONCRETE MINIMUM BINDER CONTENT = 340kg/m³. MAX W/B RATIO = 0.55
- COVER TO REINFORCEMENT:
 - FOUNDATIONS: 50mm
 - COLUMNS: 50mm TO STIRRUPS

NOTE ON STEELWORK:

- ALL STEEL TO BE HOT-DIP GALVANIZED TO SANS 121
- ALL GALVANIZED ROOF SHEETING ACCORDING TO SANS 4988:2007
- ALL STEEL TO BE PAINTED ACCORDING TO ARCHITECTS SPECIFICATIONS
- ANY SITE WELD AND/OR DAMAGE TO HOT DIP GALVANIZED ELEMENTS TO BE REPAIRED WITH "ZnAlFz" OR "ZnAl" PAINT ACCORDING TO SUPPLIER'S SPECIFICATIONS
- ALL BOLTS, NUTS AND WASHERS SHALL BE HOT DIP GALVANIZED AND NO ELECTROPLATED ELEMENTS WILL BE ACCEPTED.

Rev	Issued By	Description	Date
A	NT	ISSUED FOR INFORMATION	2019/11/20
B	NT	ISSUED FOR CLIENT APPROVAL	2019/05/13

ORIGINAL SIZE A0

Client/Employer

ACS A
CONSULTING ENGINEERS

ELEMENT
Consulting Engineers
A FIFTH DIMENSION TO ENGINEERING

Block C, Oxford Gate, 54 Oxford Street, Durbanville, 7550.
P.O. Box 1142, 7501
Tel: +27 21 975 5718
Fax: +27 21 975 8495
E-Mail: info@element.co.za

Project
ACS A - CTIA VALET OPERATORS' RELOCATION

Plan Description
PARAKE 2 (MSP1) - STEEL CONNECTION DETAILS

Designed	NT	Scale	As indicated
Drawn	NT	Date	2019/05/13
Checked	MD	Approved	MD
			088143

Contract No.
1702741

Drawing No.
1702741/S/26

Revision
B

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