



- GENERAL NOTES:**
- FOR COMPLETE STRUCTURAL NOTES REFER TO DRAWING NR: 1702741-S-000 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, ARE GIVEN IN MILLIMETERS, MAY BE DEEMED CORRECT. IF ANY DIMENSION SEEMS DOUBTFUL, THE ENGINEER SHALL BE CONSULTED.
 - IT IS THE CONTRACTORS 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 EDITIONS OF SANS 10400, SANS 2001, THE NATIONAL BUILDING REGULATIONS (NBR) AND THE LATEST EDITIONS OF THE RELEVANT SANS CODES OF PRACTICE AND STANDARD METHODS, RESPECTIVELY OF WHETHER THE ENGINEER HAS INSPECTED THE WORK ON SITE OR NOT, WHERE A SANS CODE HAS BEEN REPEATED 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 GALVANISED
 - 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 DESIGNS 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:
 - a. STRIP FOOTINGS: 25MPa/19mm
 - b. FLOOR SLABS, WALLS & COLUMNS: 25MPa/19mm
 - c. BUILDINGS: 15MPa/19mm
 - d. MASS CONCRETE: 15MPa/19mm
 - STRUCTURAL CONCRETE MINIMUM BINDER CONTENT = 340kg/m³ MAX W/B RATIO = 0.55
 - COVER TO REINFORCEMENT:
 - a. FOUNDATIONS: 50mm
 - b. COLUMNS: 30mm TO STIRRUPS

- NOTE ON STEELWORK:**
- ALL STEEL TO BE HOT-DIP GALVANIZED TO SANS 121
 - ALL GALVANIZED ROOF SHEETING ACCORDING TO SANS 4998:2007
 - ALL STEEL TO BE PAINTED ACCORDING TO ARCHITECTS SPECIFICATIONS
 - ANY SITE WELD AND/OR DAMAGE TO HOT DIP GALVANIZED ELEMENTS TO BE REPAIRED WITH "ZnAlF₂" OR "ZnAlPw" ACCORDING TO SUPPLIER'S SPECIFICATIONS
 - ALL BOLTS, NUTS AND WASHERS SHALL BE HOT DIP GALVANIZED AND NO ELECTROPLATED ELEMENTS WILL BE ACCEPTED.

Rev	Issued	Description	Date
A	NT	ISSUED FOR CLIENT APPROVAL	2019/05/13

ORIGINAL SIZE A0



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Project
ACSA - CTIA VALET OPERATORS' RELOCATION

Plan Description
PARKADE 2 (MSP1) - NEW SIGNAGE FRAMES

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

Contract No.
1702741

Drawing No.
1702741/S/27

Revision
A

MEMBER	NO OF BARS	DIA	CUT LENGTH	TOTAL	BAR MARK	SC	A	B	C	D	E/R	kg
BASE	4	22	Y16	2400	88	01	38	300	1890	300		333
	4	11	Y16	3150	44	02	55	300	400	1900	400	[300] 219
	4	11	Y16	3100	44	03	55	300	370	1900	370	[300] 215
	4	1	Y20	5150	4	04	53	350	2050	560	2050	350 571
	4	6	Y20	5050	24	05	53	350	2000	950	2000	350 299
	4	11	R10	2700	44	06	60	640	640			731
	4	6	R10	2050	24	10	60	480	480			30
	4	12	R20	1250	48	11	37	200	[1100]			148

MEMBER	NO OF BARS	DIA	CUT LENGTH	TOTAL	BAR MARK	SC	A	B	C	D	E/R	kg
R	6	10	104	148								252
Y				767			350					1117
TOTAL			104	767			498					1369

ACSA		Project	1702741-S-27
P2 OVERHEAD SIGNAGE STRUCTURE		Revision	NT
BASE REINFORCEMENT		Date	2019/05/08