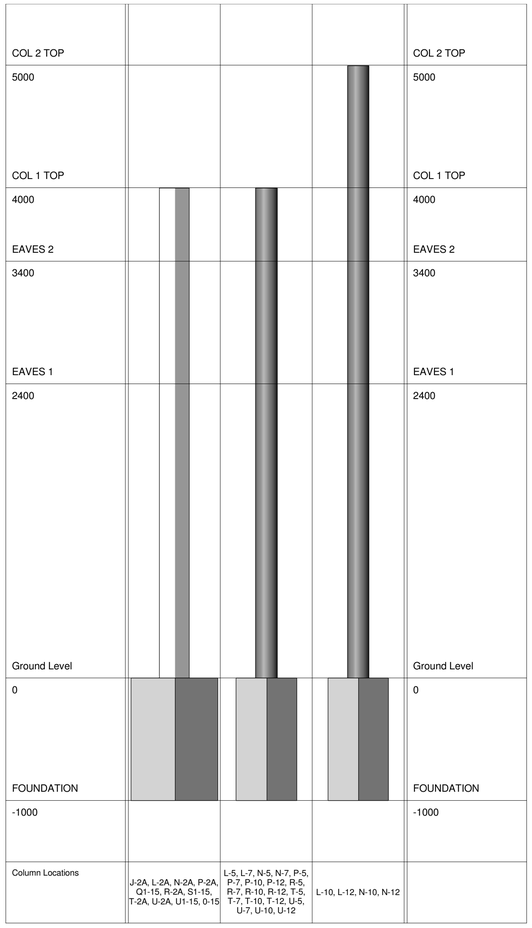
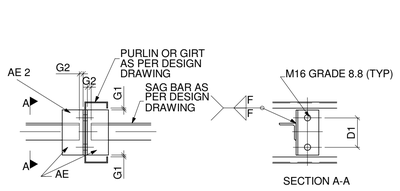


Graphical Column Schedule

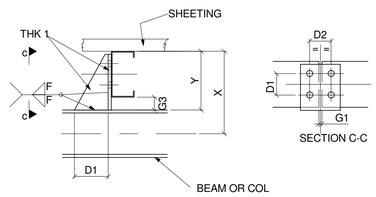
1 : 25

Structural Column Schedule					
Count	Family and Type	Length	Top Level	Type	Volume
20	CHS-Round tubes-Column: CHS 177x4	4000	COL 2 TOP	CHS 177x4	0.01 m³
4	CHS-Round tubes-Column: CHS 177x4	5000	COL 2 TOP	CHS 177x4	0.01 m³
24	M_Concrete-Rectangular-Column: 350 x 350mm	1000	Ground Level	350 x 350mm	0.12 m³
11	M_Concrete-Rectangular-Column: 500x500mm	1000	Ground Level	500x500mm	0.25 m³
11	M_HSS-Hollow Structural Section-Column: HSS177.8X177.8X4.8	4000	COL 1 TOP	HSS177.8X177.8X4.8	0.01 m³

Structural Connection Schedule				
Count	Family	Family and Type	Type	Volume
96	Chemical Anchor Bolt HB-V-A	Chemical Anchor Bolt HB-V-A: HB-V-A 12-175/300	HB-V-A 12-175/300	0.000 m³
44	Chemical Anchor Bolt HB-V-A	Chemical Anchor Bolt HB-V-A: HB-V-A 16-155/300	HB-V-A 16-155/300	0.000 m³
96	M_Chemical Anchor Bolt HB-V	M_Chemical Anchor Bolt HB-V: HB-V 12-175/300	HB-V 12-175/300	0.000 m³
44	M_Chemical Anchor Bolt HB-V	M_Chemical Anchor Bolt HB-V: HB-V 16-155/300	HB-V 16-155/300	0.000 m³
35	M_Column Base Plate-4 Hole	M_Column Base Plate-4 Hole: 15mm	15mm	
44	M_Gusset Plate-Trapezoid	M_Gusset Plate-Trapezoid: 12mm Steel Stiffener	12mm Steel Stiffener	0.000 m³



TORSION BAR CONNECTION TO PURLIN OR GIRT



PURLIN OR GIRT CONNECTION TO BEAM OR COLUMN

NOTES:

1. WELD SIZE "F" SHALL BE EQUAL TO THICKNESS OF THINNEST PARENT MATERIAL TYP.
2. "THK 1" DENOTES PLATES WITH THICKNESS THK 1 AS PER TABLE USED TO BUILT UP CONNECTION BRACKET
3. "X" DENOTES DISTANCE OF SHEETING FROM CENTER LINE OF BEAM OR COLUMN AND SHALL BE AS PER DESIGN DRAWINGS
4. "Y" DENOTES DISTANCE OF SHEETING FROM OUTER FLANGE OF BEAM OR COLUMN AND SHALL BE AS PER DESIGN DRAWINGS
5. DIMENSION "D1" SHALL BE AS PER TABLE
6. DIMENSION "D2" SHALL BE AS PER TABLE
7. DIMENSION "G1" SHALL BE EQUAL TO 5mm MINIMUM
8. DIMENSION "G2" AND "G3" SHALL BE EQUAL TO 10mm MINIMUM
9. DIMENSION "G3" SHALL BE 10mm MINIMUM
10. "AE" DENOTES AN EQUAL ANGLE WITH SIZE AS PER TABLE

PURLIN OR GIRT SECTION SIZE	THK 1	AE	D1	D2
LC 125	6	60X6	50	80
LC 150	6	60X6	70	80
LC 175	8	60X6	90	80
LC 200	10	60X6	110	80
LC 225	10	70X6	130	90
LC 250	12	70X6	150	90

TYPICAL TORSION BAR, PURLIN, GIRT AND SPLICE CONNECTION DETAILS

1 Sag rod details

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REVISIONS

No	Date	Description	Issued by
1	3/11/2015	ISSUED FOR TENDER	TPD

APPROVED BY:

NAME .....

SIGNATURE ..... DATE .....

CLIENT

-

South African Revenue Service

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DISCIPLINE

STRUCTURAL

JOB TITLE

MTHATA CAR PORTS

DRAWING TITLE

Column Schedule

ADDRESS/ SITE

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DRAWN BY.	DESIGNED BY.	CHECKED BY.	APPROVED BY.
TPD	TPD	HHMS	HHMS

DRG SCALE	DATE	PAPER SIZE
1 : 25	APRIL 2015	A1

REVISION No. 1

Client Project No. 1374-2014

Drawing No. 3/007