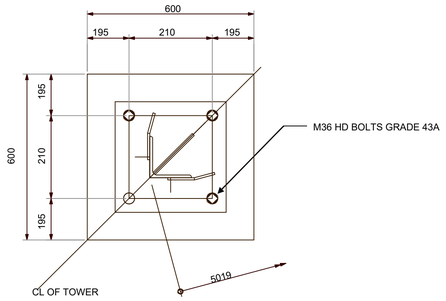
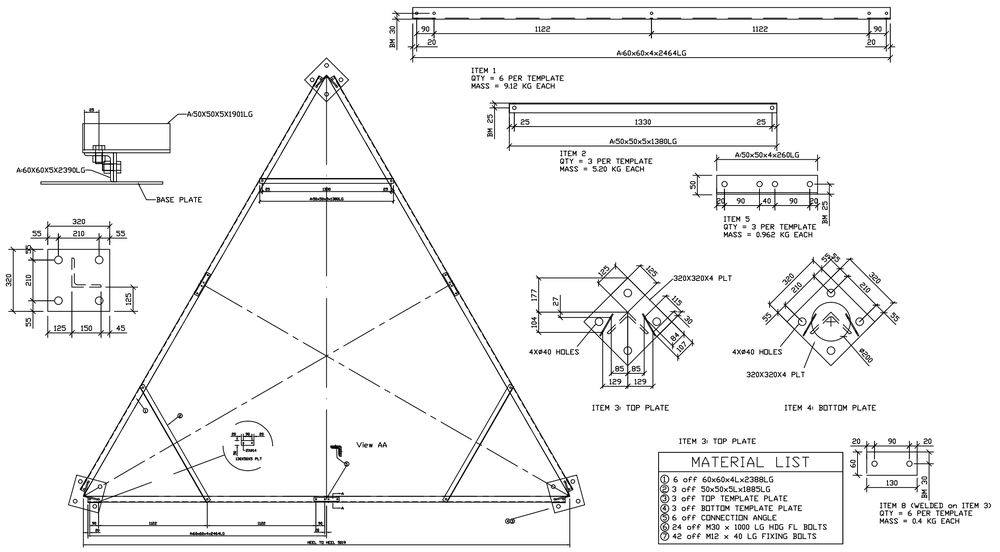
No off Items	Steel Grade	DIA	MK	kg/m	No.off Per item	No.off Total	Cut Length	Total Length	Total Mass	Shape code	Standard shapes Bending Dim's A	B	C	D	E	R
1	Y	20	1	2.466	36	36	2050	73.8	181.99	54	360	1530	260			
	R	8	2	0.395	12	12	2200	26.4	10.43	60	500	500				
	R	8	3	0.395	48	48	950	45.6	18.01	85	250	500	100	100		
	Y	12	4	0.888	31	31	1550	48.1	42.67	83	350	300	350	350		
	Y	16	5	1.579	52	52	5400	280.8	443.38	20	5400					
	Y	16	6	1.579	52	52	5900	306.8	484.44	38	5400	350	220			
	Y	16	7	1.579	52	52	2900	150.8	238.11	20	2900					
	Y	16	8	1.579	52	52	3400	176.8	279.17	38	2900	350	220			
	Y	16	9	1.579												



HD BOLT LAYOUT ON STUB
(NTS)



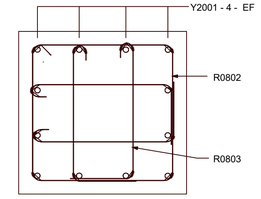
FOUNDATION TEMPLATE
(NTS)

ITEM 3: TOP PLATE

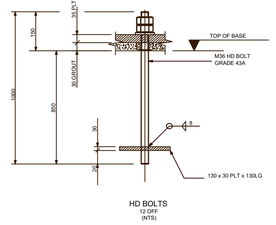
MATERIAL LIST

1	6 off 60x60x4Lx2388LG
2	3 off 50x50x5Lx1885LG
3	3 off TOP TEMPLATE PLATE
4	3 off BOTTOM TEMPLATE PLATE
5	6 off CONNECTION ANGLE
6	24 off M30 x 1000 LG HDG FL BOLTS
7	42 off M12 x 40 LG FIXING BOLTS

ITEM 8 (WELDED on ITEM 3)
QTY = 6 PER TEMPLATE
MASS = 0.4 KG EACH

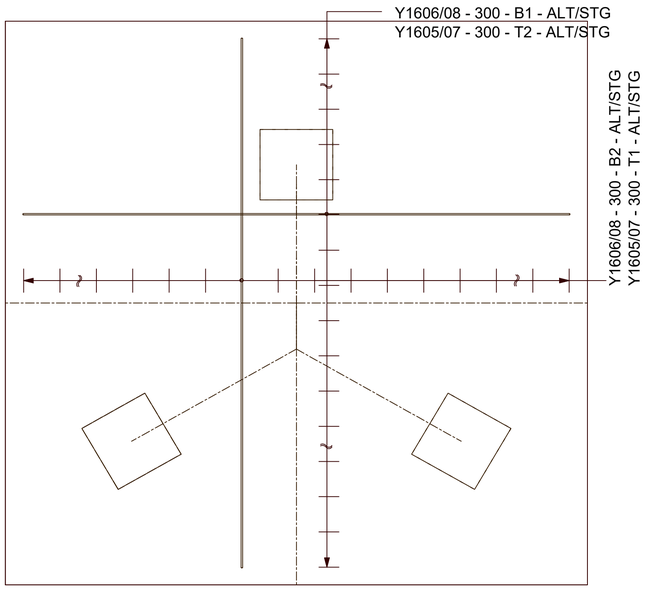


STUB REINFORCING DETAILS
(NTS)

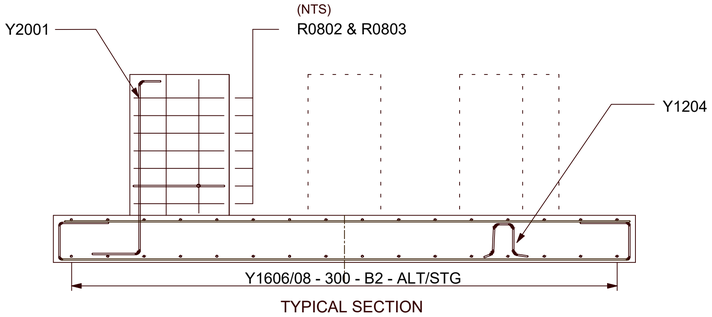


HD BOLTS
12 OFF
(NTS)

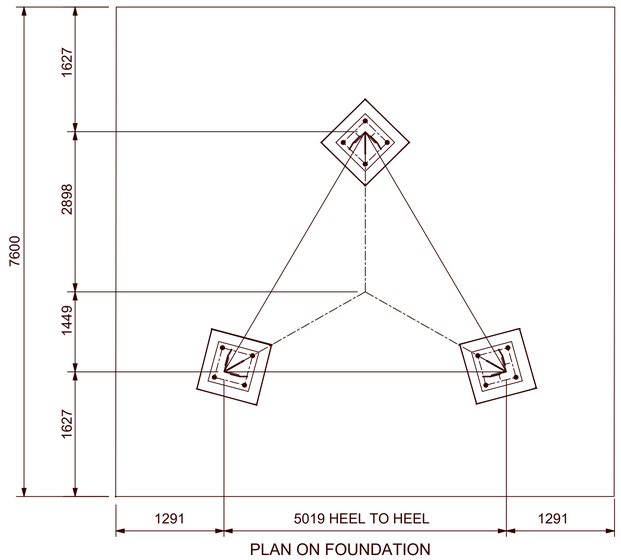
NOTES:
1) Steel template to be used for setting out of HD bolts.
2) Grouting under base plate: PRO-STRUCT 531 FIVE STAR grout.
3) All work to be done in accordance with SABS 1200 series of specifications.
4) Corrosion protection to clients specifications.



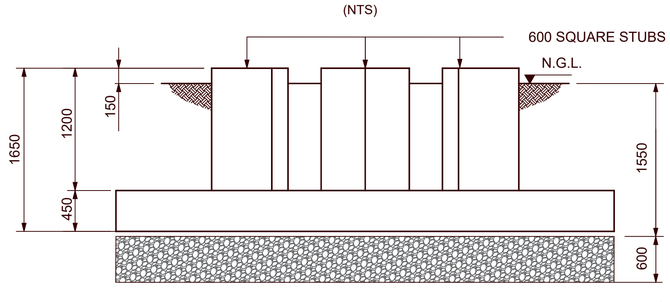
PLAN ON FOUNDATION
(NTS)



TYPICAL SECTION
(NTS)



PLAN ON FOUNDATION
(NTS)



TYPICAL SECTION (NTS)

Notes:

REINFORCEMENT:

1. ALL REINFORCEMENT SHALL BE INSPECTED AND APPROVED IN WRITING BY THE ENGINEER BEFORE CASTING OF CONCRETE MAY COMMENCE.

2. THE CONTRACTOR SHALL GIVE AT LEAST 48 HOURS NOTICE TO THE ENGINEER FOR STEEL INSPECTIONS THAT ARE REQUIRED.

3. BENDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH SABS 82.
IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN REINFORCEMENT IN ITS CORRECT POSITION DURING CASTING OF CONCRETE

4. ALL REINFORCING ON SITE SHALL BE STORED AND ON TIMBER POLES OR PLANKS (NOT ON THE GROUND) TO PROTECT REINFORCING FROM MUD AND DIRT. REINFORCING MUST BE STORED IN SUCH A MANNER THAT NO PERSONS OR VEHICLES SHALL DAMAGE IT.

5.BEND-OUT BARS SHALL BE BENT OUT WITH A SUITABLE PIPE TO THE CORRECT POSITION. NO KINK IN BEND-OUT BARS WILL BE ALLOWED

6. MAST FOUNDATION REINFORCEMENT SPACING 200MM CC

CONCRETE:

1. CONCRETE STRENGTH FOUNDATION SHALL BE AS FOLLOWS:

SOILCRETE LAYER	= 5 MPa
BLINDING LAYER	= 15 MPa
BASES (REINFORCED & UNREINFORCED)	= 30 MPa
COLUMNS	= 30 MPa

2.CURING OF CONCRETE SHALL BE CARRIED OUT STRICTLY IN ACCORDANCE WITH SABS 1200G.

3. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF SABS 1200G.

4. STRIPPING TIMES OF SHUTTERING AND PROPPING SHALL BE IN ACCORDANCE WITH SABS 1200G.

5. A 25×25 MM CHAMFER SHALL BE PROVIDED ON ALL CORNERS OF OFF-SHUTTER CONCRETE

6. CONCRETE COVER 75MM FOR MAST FOUNDATION

REV:	DESCRIPTION:	BY:	DATE:

PowerCom (PTY) LTD

CLIENT: POWERCOM PTY LTD
NO 4 JULIUS K NYERE STREET
WINDHOEK
SOUTHERN INDUSTRIAL

DEPARTMENT: PROJECT OFFICE

DRAWN:	CHECKED:	DATE:	REVISION:
RK	IM	12/06/2024	1

PROJECT NAME: TYPICAL DRAWING

DRAWING TITLE: TOWER AND FOUNDATION REINFORCEMENT

SCALE:	SHEET SIZE:	SHEET NO:
NTS	A1	1 of 1

PROJECT NO:	STATUS:
N/A	TENDER

DRAWING NO: N/A