



ANCHOR BOLTS
TYPICAL DETAILS

ALL DIMENSION ARE IN MM.
ALL THE SECTIONS USED SHOULD BE OF STRUCTURAL GRADE AND THE SAME SHALL BE FOLLOWED FOR EXECUTION.
CODE OF PRACTICE FOR STRUCTURAL STEEL WORKING IN IS 800, 802 SPECIFICATION FOR HOT DIP GALVANISED ON STRUCTURAL STEEL AND OTHER ALLED PRODUCTS IS: 4759.
ALL BOLTS SHALL BE OF 5.6 GRADE.

FOUNDATION DESIGN FORCES

TOWER	REVISION	COMPRESSION (KN)	SHEAR (KN)	DEAD WT. (KN)	BASE SIZE (MM)
TOWER	TYPE	FX	FZ	(WT)	(MM)
T50	570.54	56.04	56.04	9.75	5000X5000
T40	477.96	49.4.23	55.62	7.15	4000X4000

ANTENNA LOADINGS:-
6 X GSM ANTENNA 1580X282 WEIGHING (19+5) KG AT TOP.
2 X 1.2M DIA SOLID DIA ANTENNA WEIGHING 75 KG AT TOP.
4 X 0.6M DIA SOLID DIA ANTENNA WEIGHING 17 KG AT TOP.
WIND SPEED : 180 KM/H
TOWER BASE:-
: 500MM SIDE TRIANGULAR AT BASE.
: 100MM SIDE TRIANGULAR AT TOP
TOTAL NO. OF PANELS : 16 NOS. IN 50M HEIGHT

REVISION NOTES

REV. NO.	DESCRIPTION	DATE	SIGN.
DRAWN	CHECKED	APPROVED	DATE
A.K. SHUKLA	S. K. SHARMA	20/03/04	N/S

CONFIDENTIAL

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CDMA/GSM-BTS PROJECT

GROUND BASED TOWER

STRUCTURAL DETAILS OF 50M HIGH S.S. TOWER

JOB NO.	DRAWING NO.	REV.
001		0

SCALE REFERENCE