

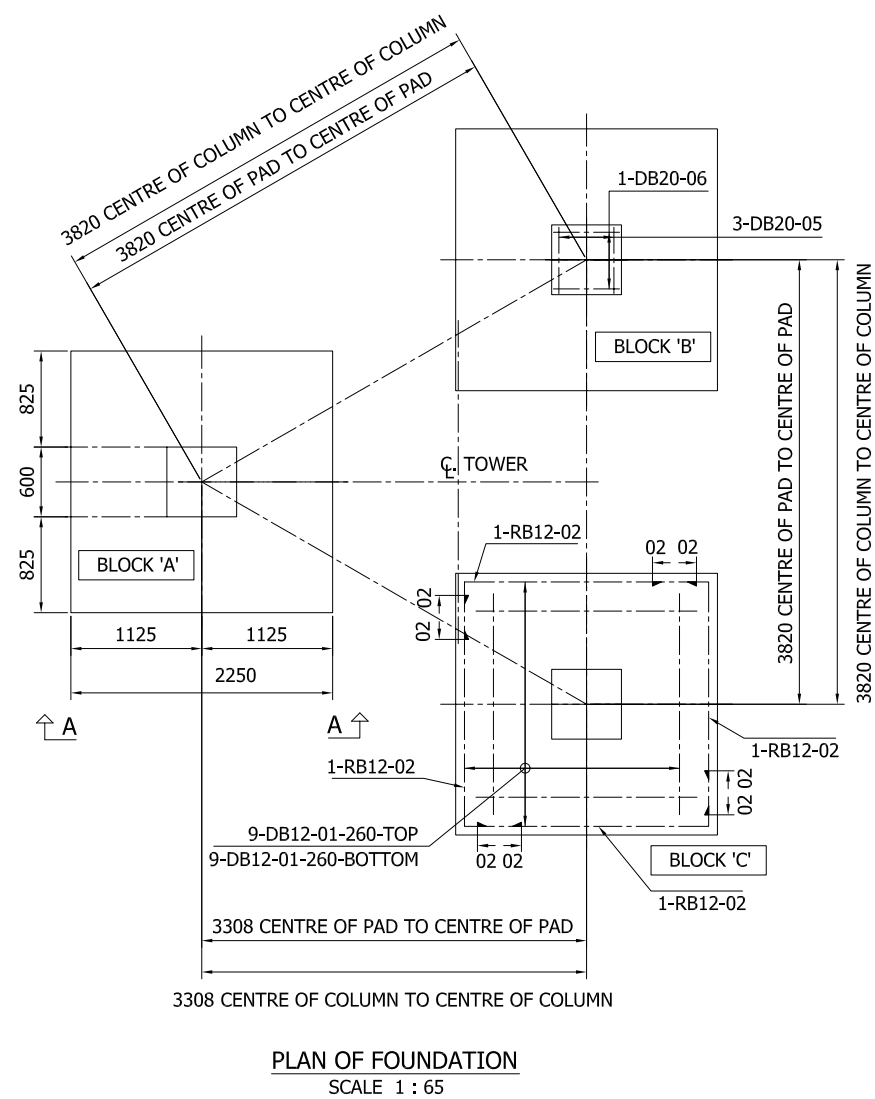
Panel No.	Drawing No.	Panel	Section			
			Leg	Diagonal	Horizontal	Bracing
1	WX-T100_217	PANEL A	CHS 89.1x2.8	CHS 34x2.3	CHS 34x2.3	
2	WX-T100_211	PANEL B	CHS 89.1x2.8	CHS 34x2.3	2M12	
3	WX-T100_218	PANEL C	CHS 114.3x3.6	CHS 42.7x2.3	2M12	
4	WX-T100_219	PANEL D	CHS 139.8x3.6	CHS 34x2.3	L 45x45x4	
5	WX-T100_220	PANEL E	CHS 139.8x4.0	CHS 42.7x2.3	2M12	
6	WX-T100_221	PANEL F	CHS 165.2x4.5	CHS 42.7x2.3	2M12	
7	WX-T100_222	PANEL G	CHS 165.2x4.5	CHS 48.6x2.3	2M12	

REMARK

CHS = CIRCULAR HOLLOW SECTION JIS G3444 (STK41)

Standard Codes of Practices	ANSI/TIA 222-G : 2005				
Antenna loading, over top 10m	5.0sq.m	10.0sq.m	15.0sq.m	20.0sq.m	25.0sq.m
Basic wind speed, 3-s gust	43.0m/s	36.0m/s	31.5m/s	28.5m/s	26.0m/s
Operational wind speed, 3-s gust	40.5m/s	34.5m/s	30.5m/s	27.5m/s	25.5m/s
Maximum deflection	< 0.5 degree				

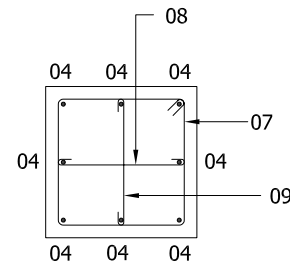
D	DRN	TRD	PRODUCT: WX-T100			
C	CHK	TRD	TITLE: 39.2M TRIANGULAR TUBULAR TOWER			
B	APP	PHK				
A	12/07/2009 (ORIGINAL)	NTS	@ A3 - DO NOT SCALE THIS PRINT	THIRD ANGLE PROJECTION U.N.O.	DRG.No	MKT-209
ISSUE						



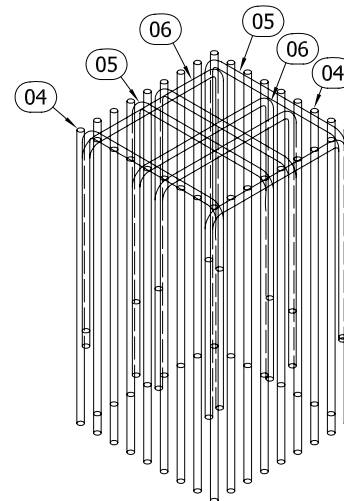
PLAN OF FOUNDATION
SCALE 1 : 65

NOTE FOR HDB :-

BEFORE ERECTION, ALL BASE PLATES MUST BE SET TO THE SAME LEVEL ON THE HOLDING DOWN BOLTS (H.D.B.s). THE LEVELLING NUT ON EACH H.D.B. MUST BE TIGHT TO THE UNDERSIDE OF EACH BASE PLATE DURING ERECTION. THE BASE PLATES SHOULD BE GROUTED AS SOON AS SUFFICIENT TOWER HAS BEEN ERECTED TO CONFIRM VERTICALITY; PREFERABLY BEFORE THE TOWER EXCEEDS 1/3 OF ITS HEIGHT.



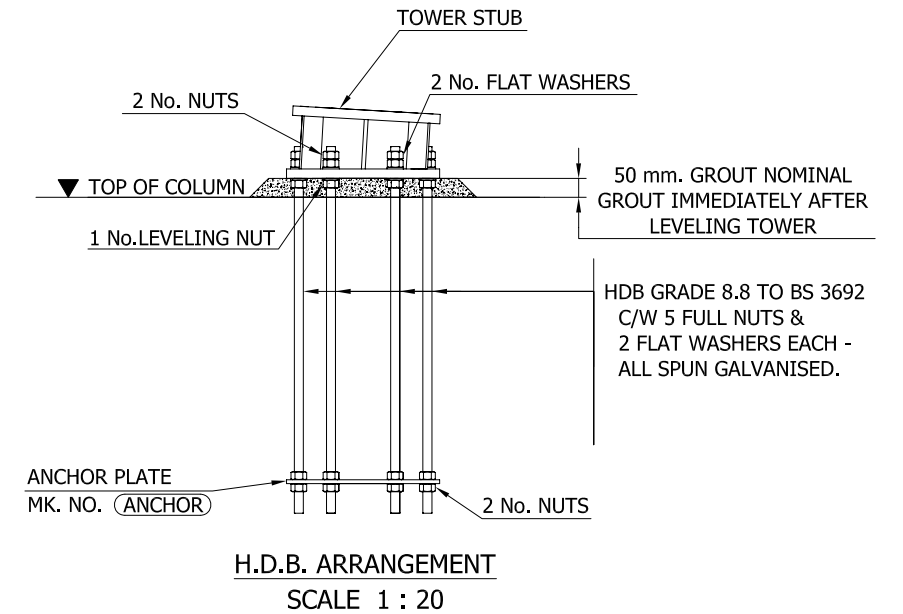
TYPICAL SECTION THROUGH COLUMN
SCALE 1 : 30



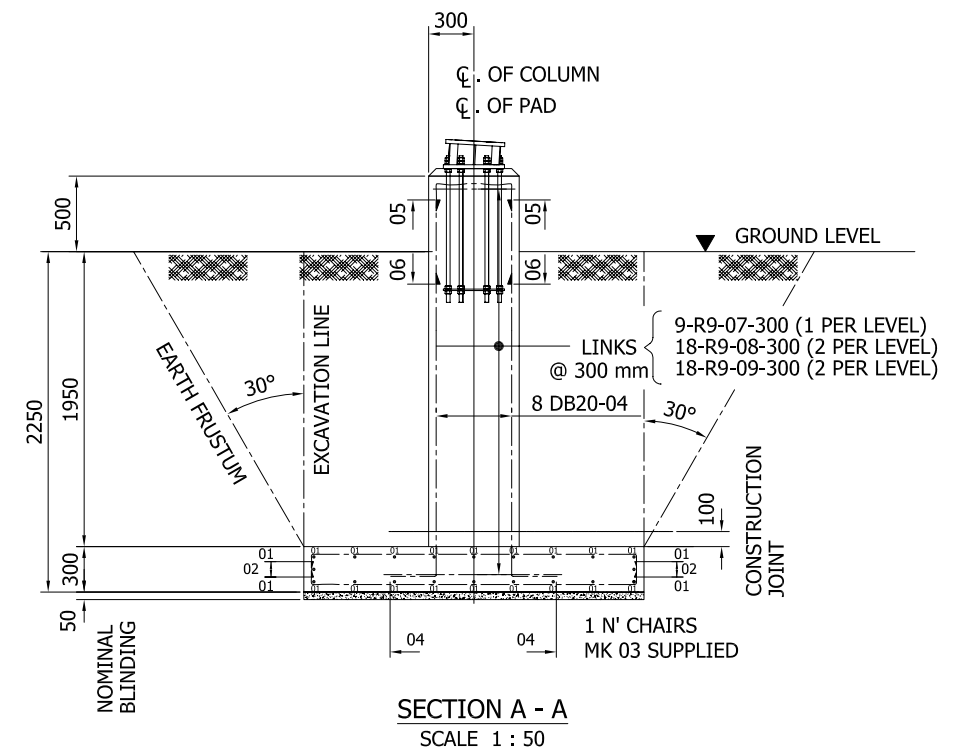
3D TOP OF COLUMN REBAR LAYOUT

NOTE:

DRAWING SHOWS 600 X600 COLUMN WITH 32 T20 VERTICAL BARS FOR LESSER BARS OR BIGGER COLUMNS THEN POSITIONS OF REBAR CAN BE DIFFERENT



H.D.B. ARRANGEMENT
SCALE 1 : 20



SECTION A - A
SCALE 1 : 50

NOTE :-

ALLOWABLE DESIGN BEARING PRESSURE $\geq 100.0 \text{ kN/m}^2$
 CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF BS.8110:1985
 CEMENT SHALL BE:- 'ORDINARY PORTLAND' OR 'SULPHATE RESISTING PORTLAND' (AS REQUIRED)
 MAXIMUM AGGREGATE SIZE SHALL BE 20mm.
 THE 28-DAY CRUSHING STRENGTH SHALL BE 30 N/mm² FOR STRUCTURAL CONCRETE, AND 15 N/mm² FOR CONCRETE FILL IN ACCORDANCE WITH BS.8110:1985.
 REINFORCEMENT STEEL SHALL HAVE $F_y = 400 \text{ MPa}$ MAIN BARS, AND $F_y = 240$ FOR CHAIRS AND LINKS.
 CONCRETE COVER SHALL BE 50mm TOP AND BOTTOM, 75mm TO SIDES, 75mm TO SIDES OF PAD, 50mm TO SIDES OF COLUMN.
 A 50mm 45° CHAMFER SHALL BE FORMED ON ALL EDGES AND RE-ENTRANT ANGLES.
 BEFORE PLACING CONCRETE, THE FOUNDATION SHALL BE FREE OF ANY LOOSE MATERIAL AND DELETERIOUS SUBSTANCES.
 WHILST PLACING, THE CONCRETE SHALL BE PROPERLY CONSOLIDATED USING MECHANICAL VIBRATORS.

D	DRN	PHS.	PRODUCT:	WX-T100		
C	CHK	TRD.	TITLE:	GA. PAD & COLUMN FOUNDATION HEIGHT 39.2 M.		
B	APP	PK.		100 kpa		
A	16/07/2009 (ORIGINAL)	NTS	@ A3 - DO NOT SCALE THIS PRINT	THIRD ANGLE PROJECTION U.N.O.	DRG.No	MKT_109
ISSUE						

REINFORCEMENT SCHEDULE

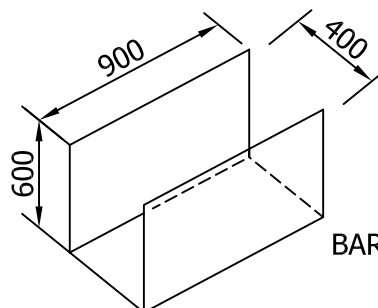
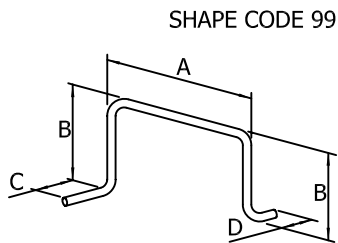
TITLE. PAD & COLUMN FOUNDATION FOR 39.2 M.
100 kPa (REF. MKT_109)

SHT.No. 1 OF 1

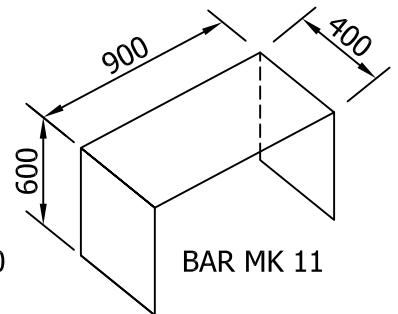
DRG.No. MKT_109_RE

LOCATION	BAR MK	GRADE & DIA(mm)	TOTAL No.	LENGTH OF EACH	SHAPE CODE	SKETCH OR DIMENSIONS (mm)				
						A	B	C	D	E
PAD	01	T12	108	2350	21	150	2100			
PAD	02	T12	12	2575	11	400	2075			
PAD	03	R12	3	1800	99	500	150	500	500	
COLUMN	04	T20	24	2650	11	200	2500			
COLUMN	05	T20	9	1725	21	650	500	650		
COLUMN	06	T20	9	1725	21	650	500	650		
COLUMN	07	R9	27	2260	51	500	500	130		
COLUMN	08	R9	54	850	41	100	100	500	100	100
COLUMN	09	R9	54	850	41	100	100	500	100	100
LADDER BASE	10	R10 MESH	1	-	-	SKETCH				
LADDER BASE	11	R10 MESH	1	-	-	SKETCH				

SKETCHES FOR 10+11



BAR MK 10



BAR MK 11

ISSUE	A										TOTAL WT. R9 = 76.26 Kg.
DATE	16/07/2009										TOTAL WT. R12 = 4.84 Kg.
DRAWN	PHS.										TOTAL WT. T12 = 255.09 Kg.
CHECKED	TRD.										TOTAL WT. T20 = 233.79 Kg.
APPROVED	PK.										TOTAL WT. = 569.98 Kg.