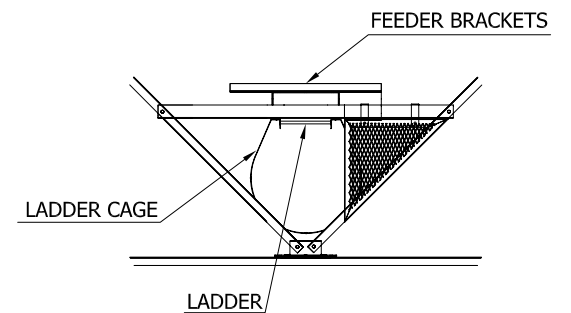


Panel	Drawing No.	Section					Plan	Hip
		Leg	Diagonal	Horizontal	Redundant			
A	WX-F200_211	HL75x75x6 4M16	L56x56x4 1M12	L45x45x4 1M12				
B	WX-F200_212	HL90x90x7 4M16	L56x56x5 2M12	L45x45x4 2M12				
C	WX-F200_213	HL100x100x7 6M16	L50x50x4 2M12	L45x45x4 2M12				
D	WX-F200_214	HL100x100x8 6M16	L50x50x4 2M12	L40x40x3 2M12				
E	WX-F200_215	HL100x100x8 6M16	L50x50x4 2M12	L40x40x3 2M12		L40x40x3 1M12		
F	WX-F200_216	HL110x110x8 8M16	L50x50x4 2M12	L40x40x3 2M12	L40x40x3 1M12	L40x40x3 1M12	L40x40x3 1M12	
G	WX-F200_241	HL125x125x8 8M16	L50x50x4 2M12	L40x40x3 2M12	L40x40x3 1M12	L40x40x3 1M12	L40x40x3 1M12	
H	WX-F200_246	HL125x125x10 8M16	L56x56x4 2M12	L40x40x3 2M12	L40x40x3 1M12	L40x40x3 1M12	L40x40x3 1M12	
I	WX-F200_219	HL125x125x10 6M20	L56x56x4 2M12	L40x40x3 2M12	L40x40x3 1M12	L40x40x3 1M12	L40x40x3 1M12	
J	WX-F200_220	HL125x125x10 6M20	L56x56x5 2M12	L40x40x3 2M12	L40x40x3 1M12	L40x40x3 1M12	L40x40x3 1M12	
K	WX-F200_221	HL140x140x10 8M20	L56x56x5 2M12	L40x40x3 2M12	L40x40x3 1M12	L45x45x4 1M12	L45x45x4 1M12	

REMARK :

HL = Q345  
L = Q235

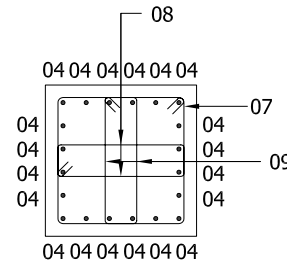


REST PLATFORM SHOWING  
TYPICAL ARRANGEMENT OF LADDER & FEEDERS

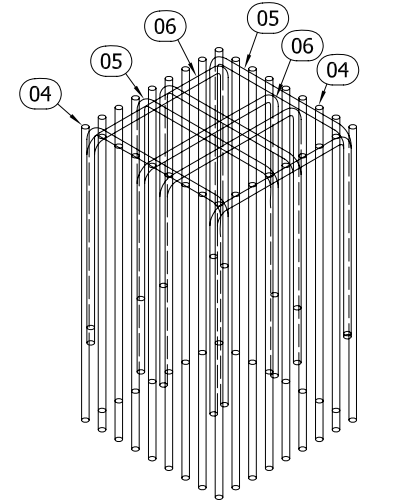
Standard Codes of Practices	ANSI/TIA 222-G : 2005				
	Antenna loading, over top 10m	5.0sq.m	10.0sq.m	15.0sq.m	20.0sq.m
Basic wind speed, 3-s gust	42.5m/s	41.5m/s	40.5m/s	39.5m/s	38.5m/s
Operational wind speed, 3-s gust	42.5m/s	41.0m/s	38.0m/s	35.5m/s	33.5m/s
Maximum deflection	< 0.5 degree				

D		DRN	PK	PRODUCT:	WX-F200			
C		CHK	TRD	TITLE:	KEY DIAGRAM 55M			
B		APP	KSRF					
A	09/06/2009 (ORIGINAL)	ORIGINAL SCALE	NTS	@ A3 - DO NOT SCALE THIS PRINT	THIRD ANGLE PROJECTION U.N.O.	DRG.No	MKT_201	
<b>ISSUE</b>								

**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.

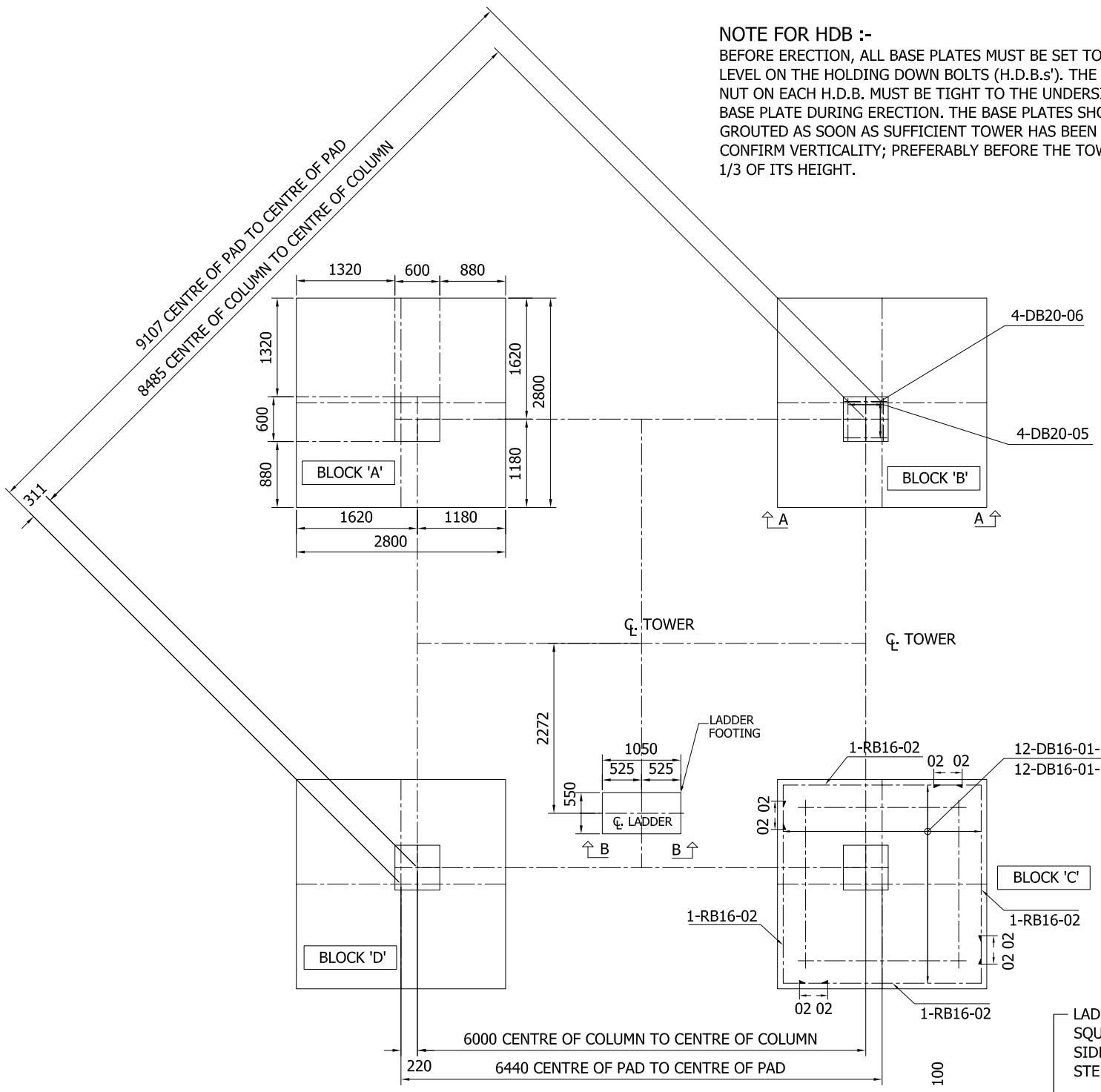


**TYPICAL SECTION THROUGH COLUMN**  
 SCALE 1 : 30

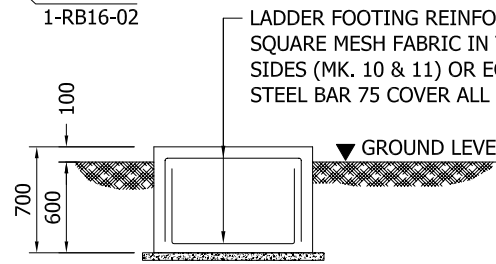


**3D TOP OF COLUMN REBAR LAYOUT**

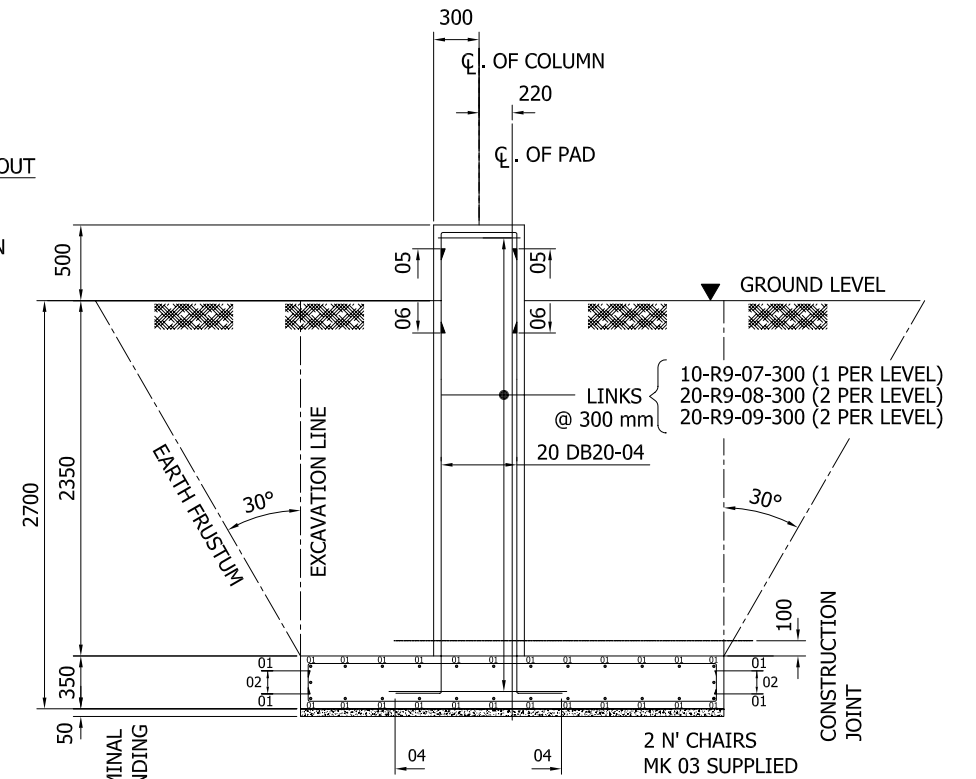
**NOTE:**  
 DRAWING SHOWS 600 X 600 COLUMN WITH 32 T20 VERTICAL BARS FOR LESSER BARS OR BIGGER COLUMNS THEN POSITIONS OF REBAR CAN BE DIFFERENT



**PLAN OF FOUNDATION**  
 SCALE 1 : 75



**SECTION B - B**  
**TYPICAL SECTION THROUGH LADDER FOOTING**  
 SCALE 1 : 50



**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  $30 \text{ N/mm}^2$  FOR STRUCTURAL CONCRETE, AND  $15 \text{ N/mm}^2$  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  $45^\circ$  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.

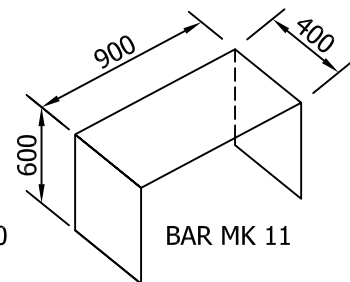
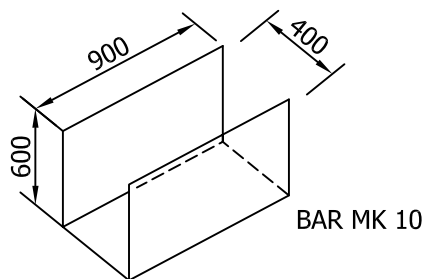
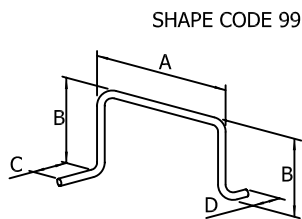
D		DRN	PHS.	PRODUCT:	WX-F200		
C		CHK	TRD.	TITLE:	GA. PAD & COLUMN FOUNDATION HEIGHT 55.0 M.		
B		APP	PK.		100 kpa		
A	15/06/2009 (ORIGINAL)	ORIGINAL SCALE	NTS	@ A3 - DO NOT SCALE THIS PRINT	THIRD ANGLE PROJECTION U.N.O.	DRG.No	MKT_103
<b>ISSUE</b>							

# REINFORCEMENT SCHEDULE

**TITLE.** PAD & COLUMN FOUNDATION FOR 55.0 M. 100 kPa (REF. MKT\_103) **SHT.No.** 1 OF 1 **DRG.No.** MKT\_103\_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	T16	192	3000	21	200	2650			
PAD	02	T16	16	3125	11	400	2625			
PAD	03	R12	8	1850	99	500	200	500	500	
COLUMN	04	T20	80	3100	11	200	2950			
COLUMN	05	T20	16	1725	21	650	500	650		
COLUMN	06	T20	16	1725	21	650	500	650		
COLUMN	07	R9	40	2260	51	500	500	130		
COLUMN	08	R9	80	850	41	100	100	500	100	100
COLUMN	09	R9	80	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



ISSUE	A						TOTAL WT. R9 = 112.97 Kg. TOTAL WT. R12 = 13.26 Kg. TOTAL WT. T16 = 989.08 Kg. TOTAL WT. T20 = 748.90 Kg.  TOTAL WT. = 1864.22 Kg.
DATE	15/06/2009						
DRAWN	PHS.						
CHECKED	TRD.						
APPROVED	PK.						