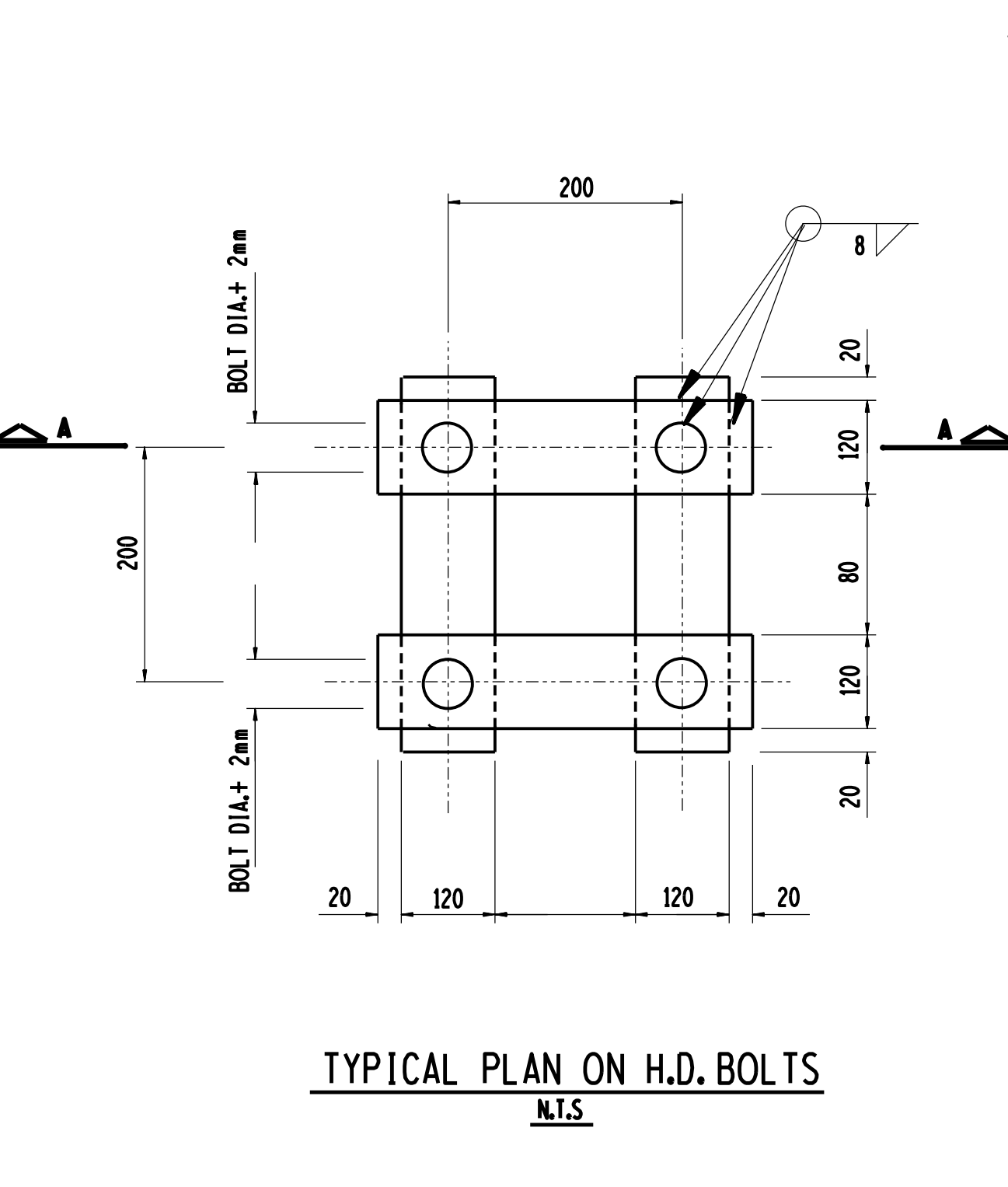
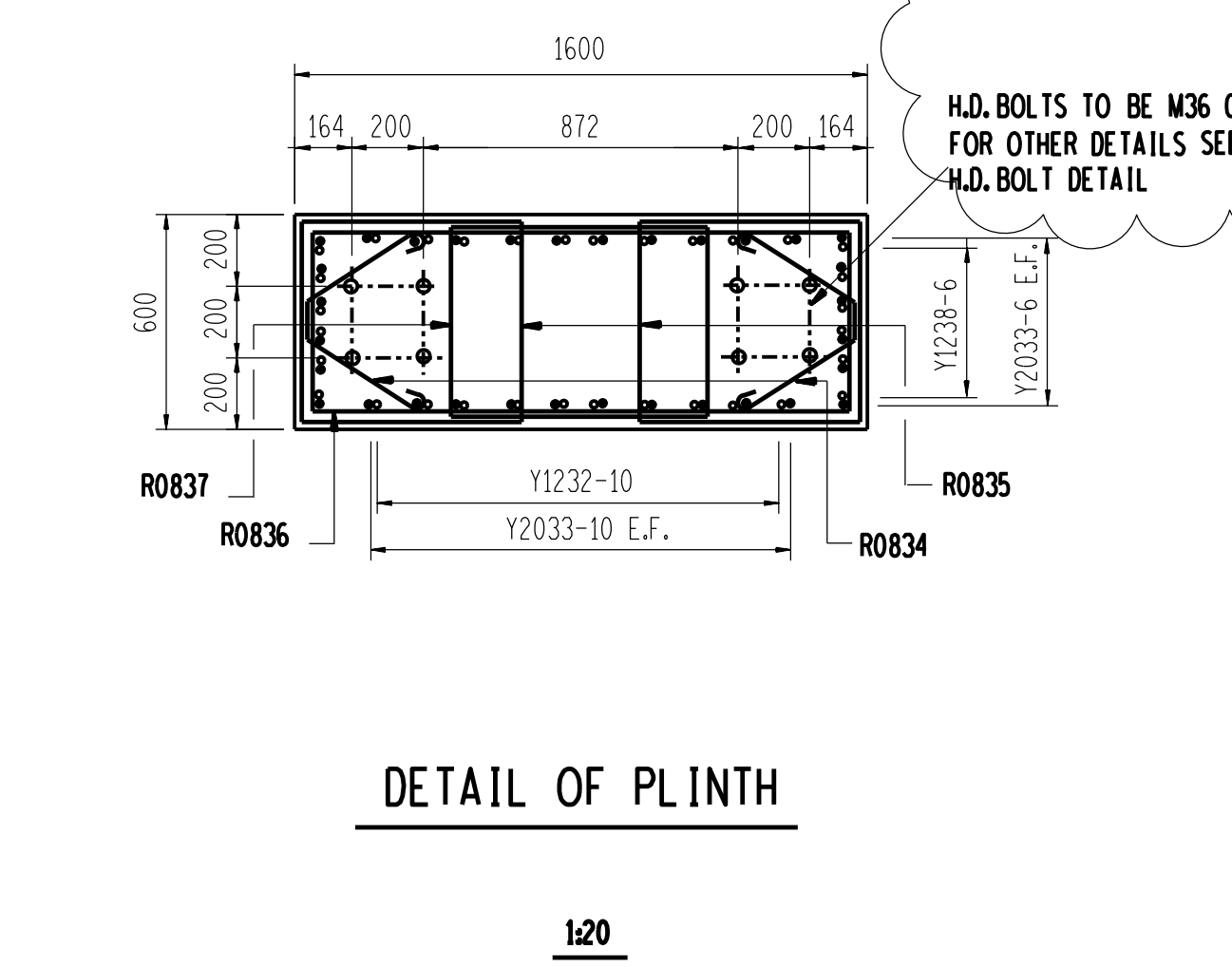
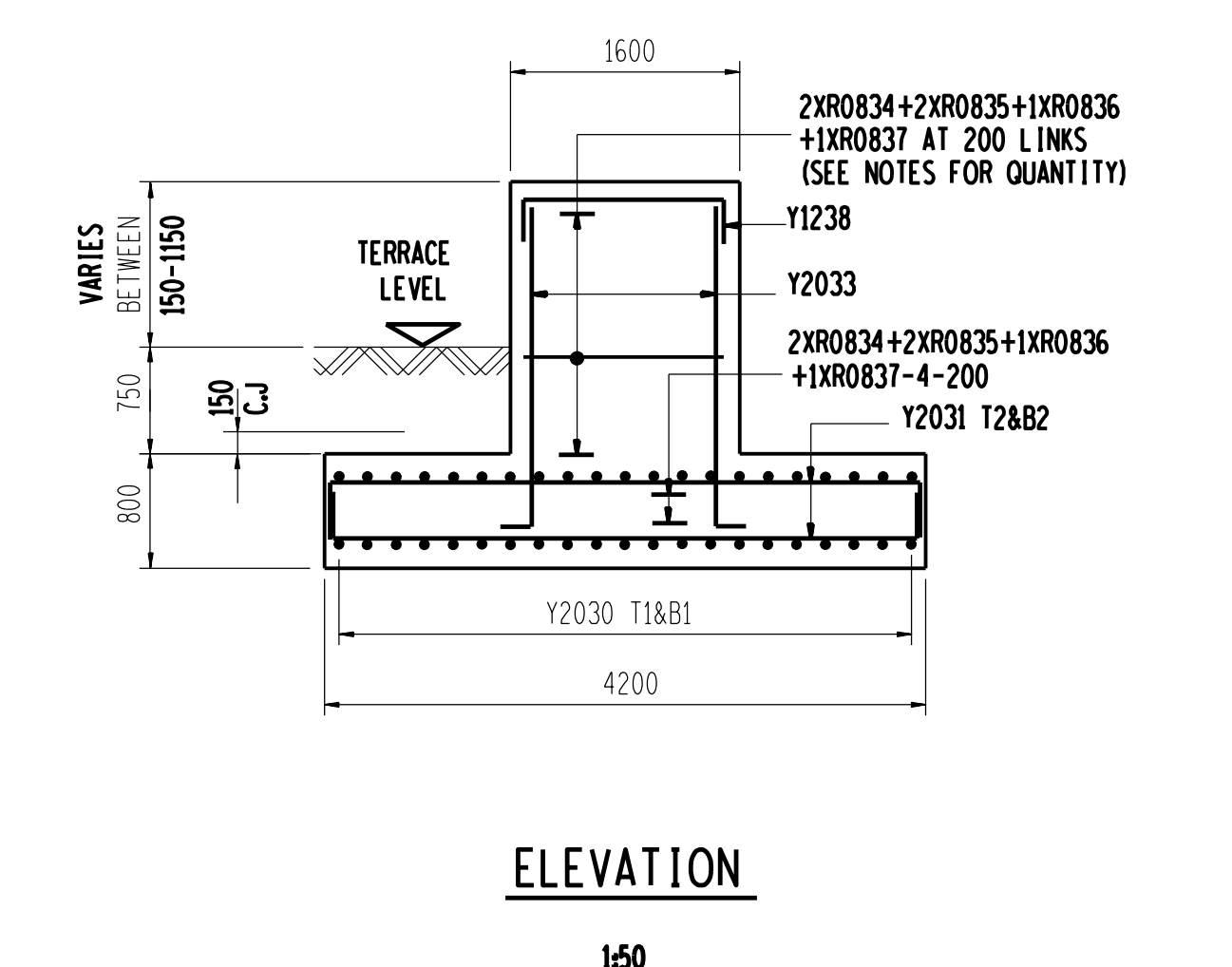
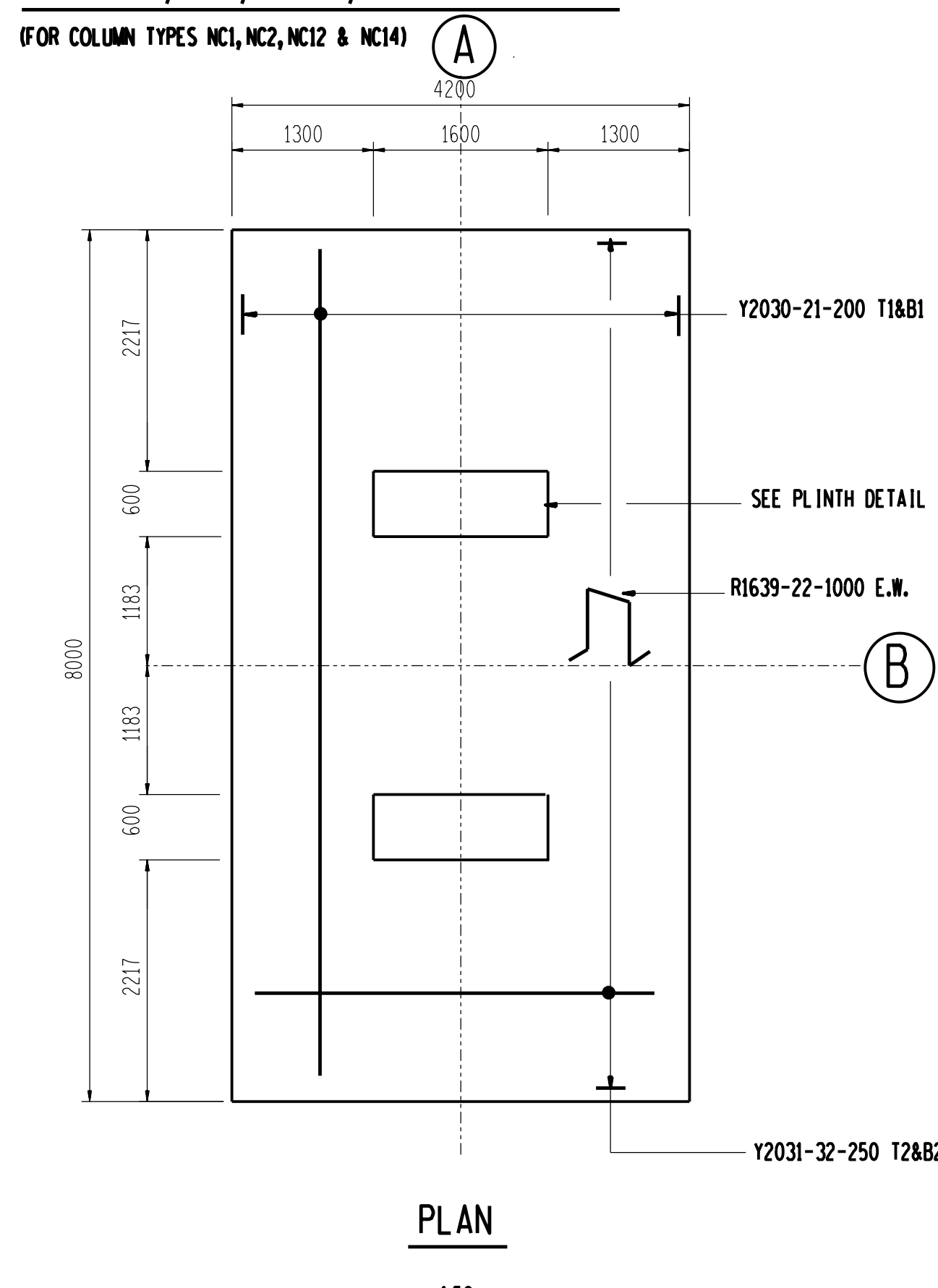
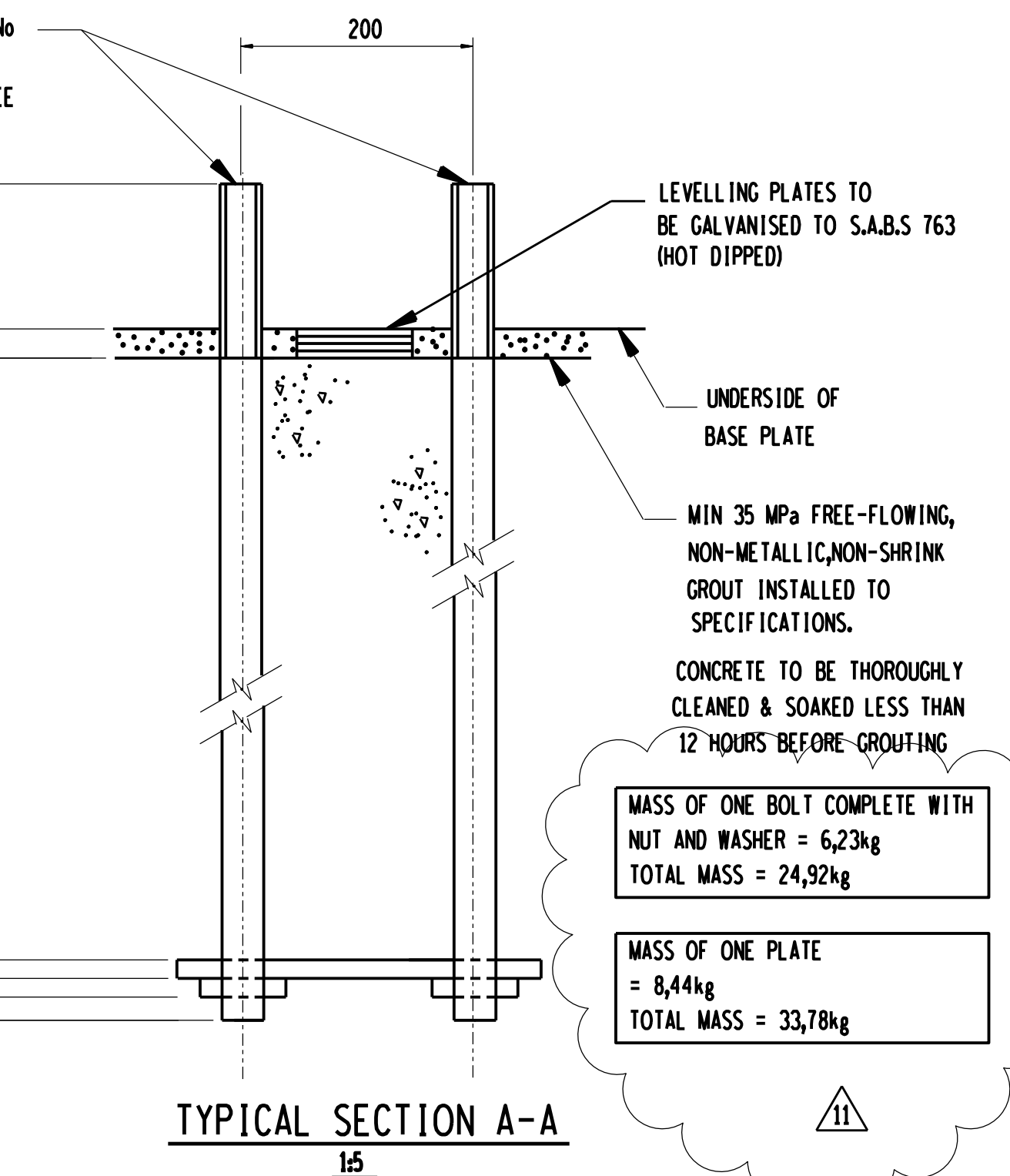
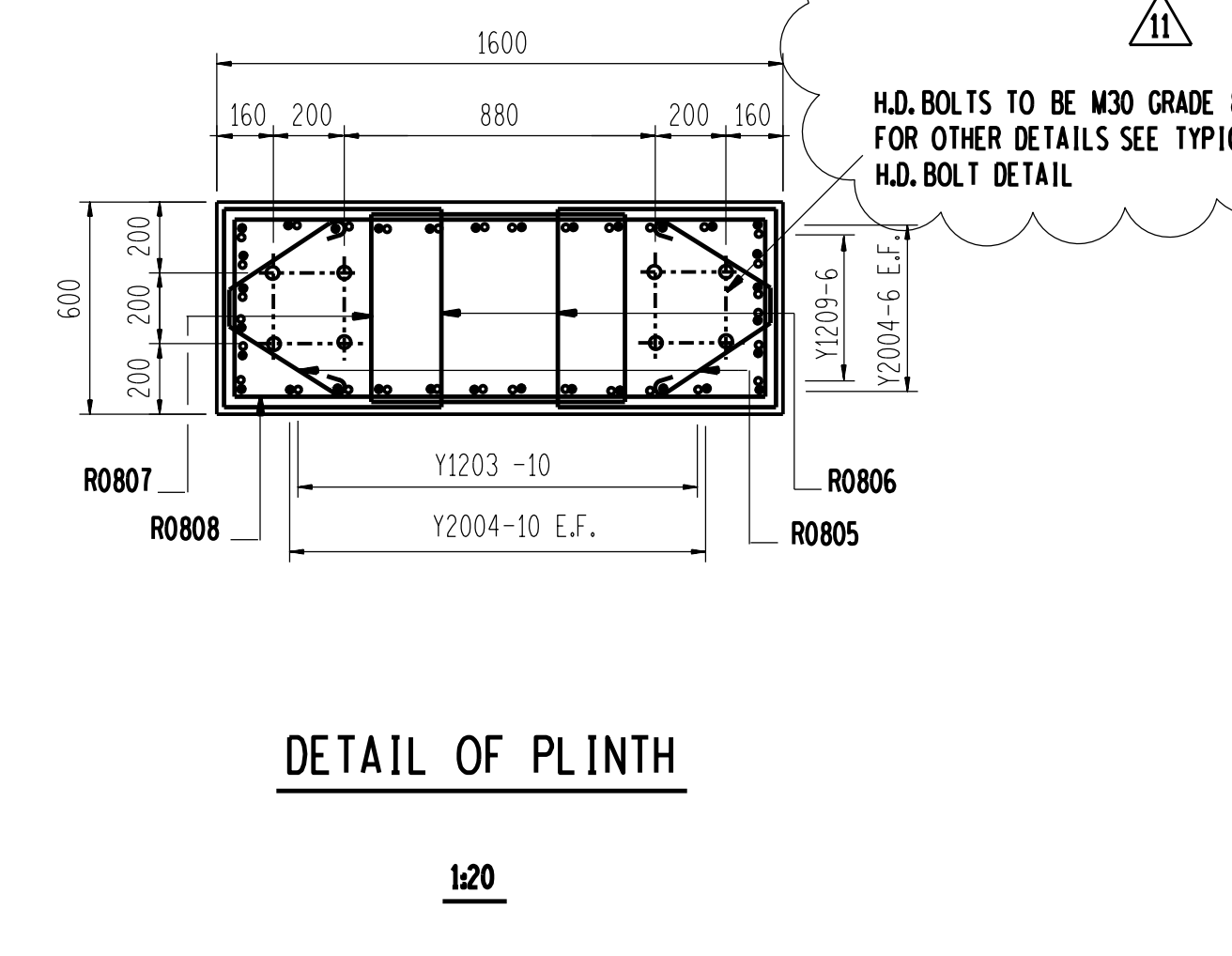
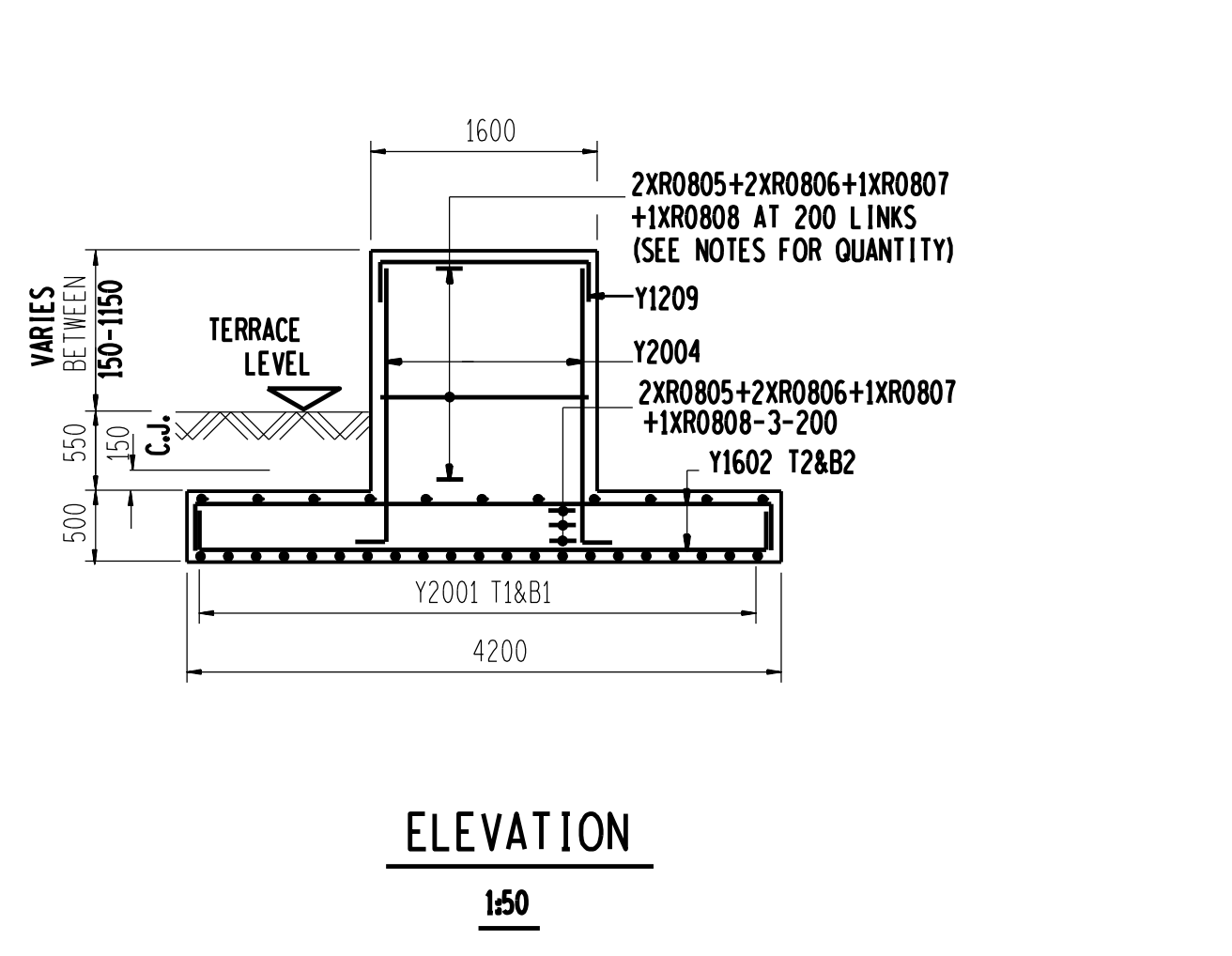
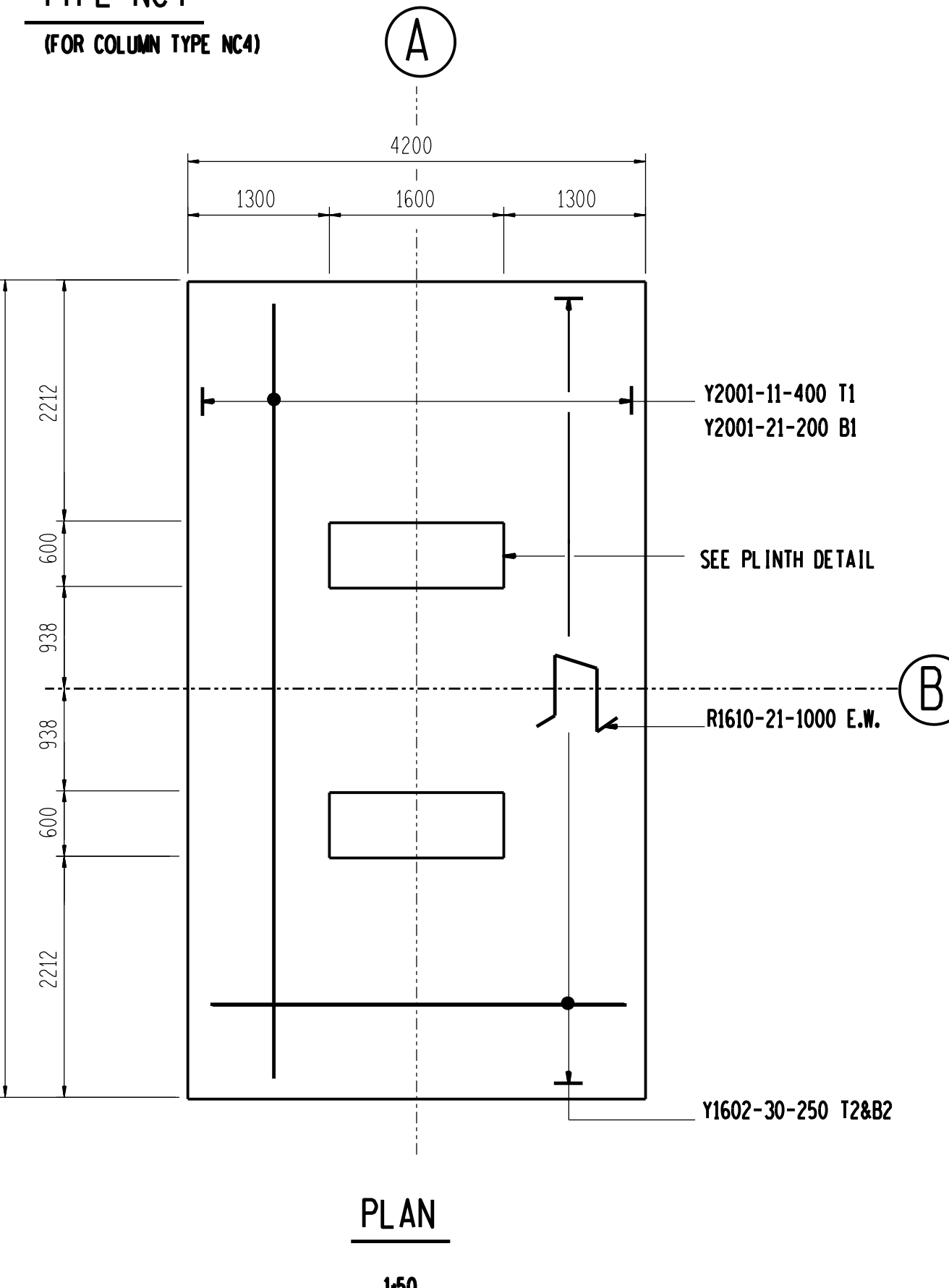


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

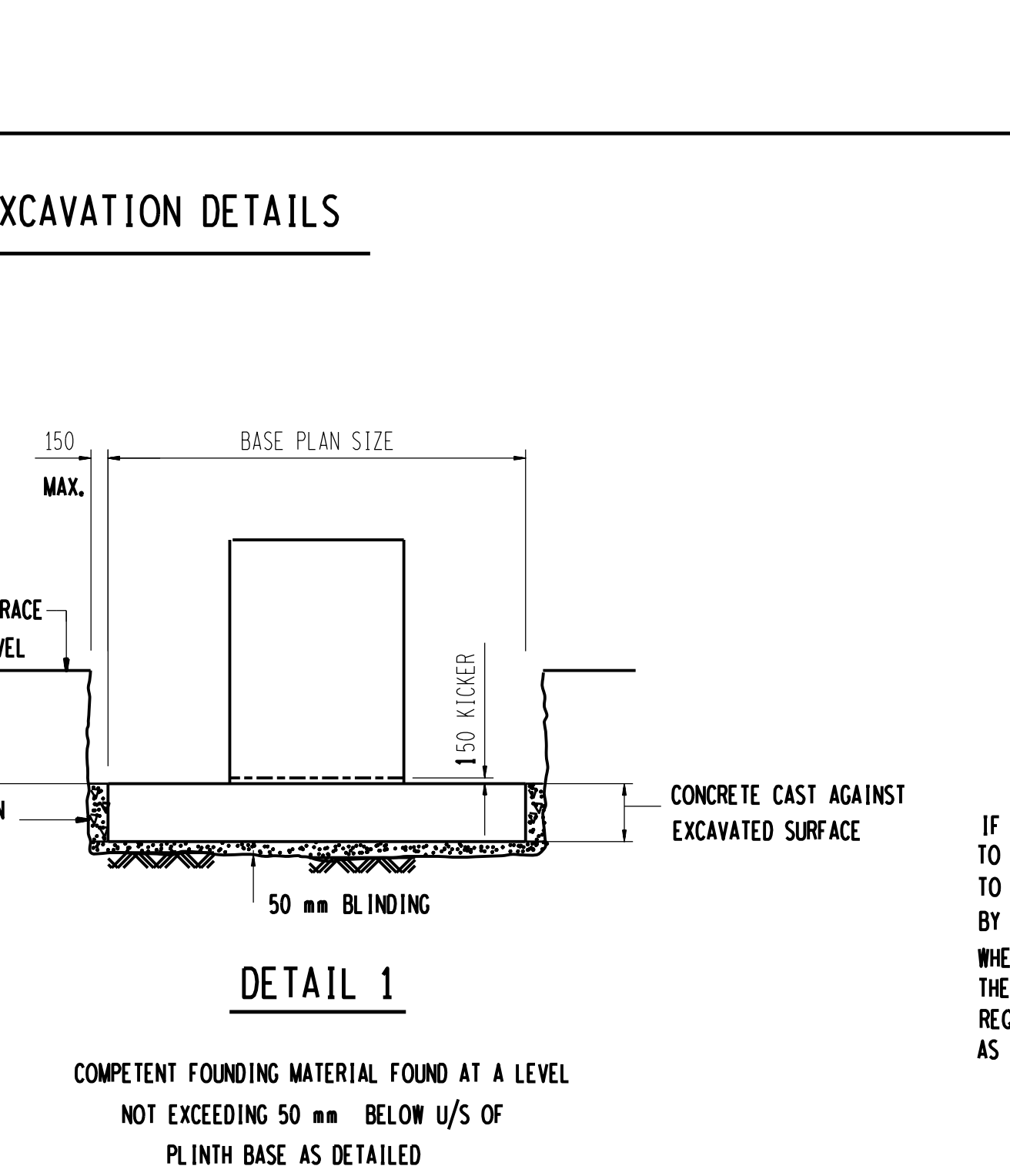
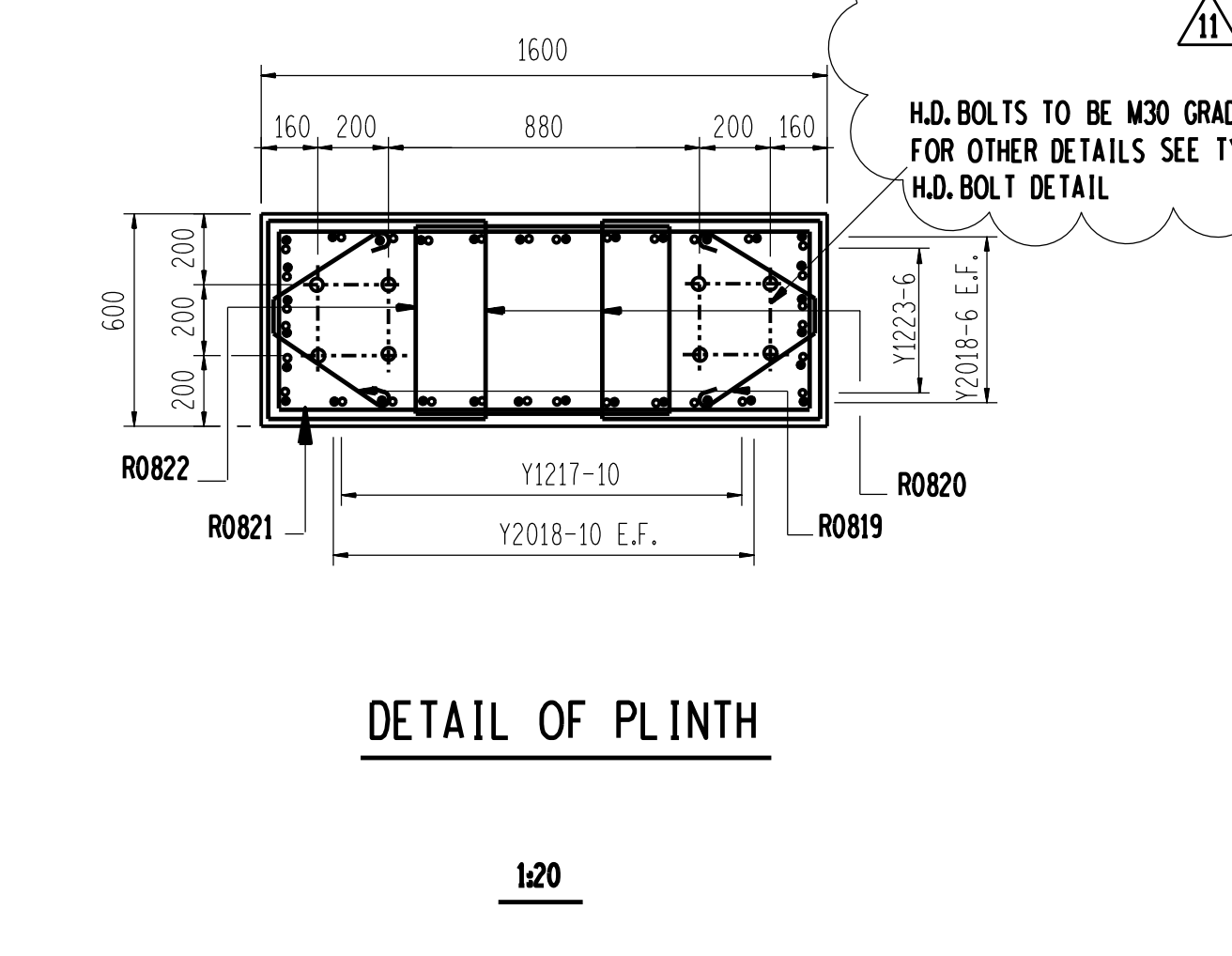
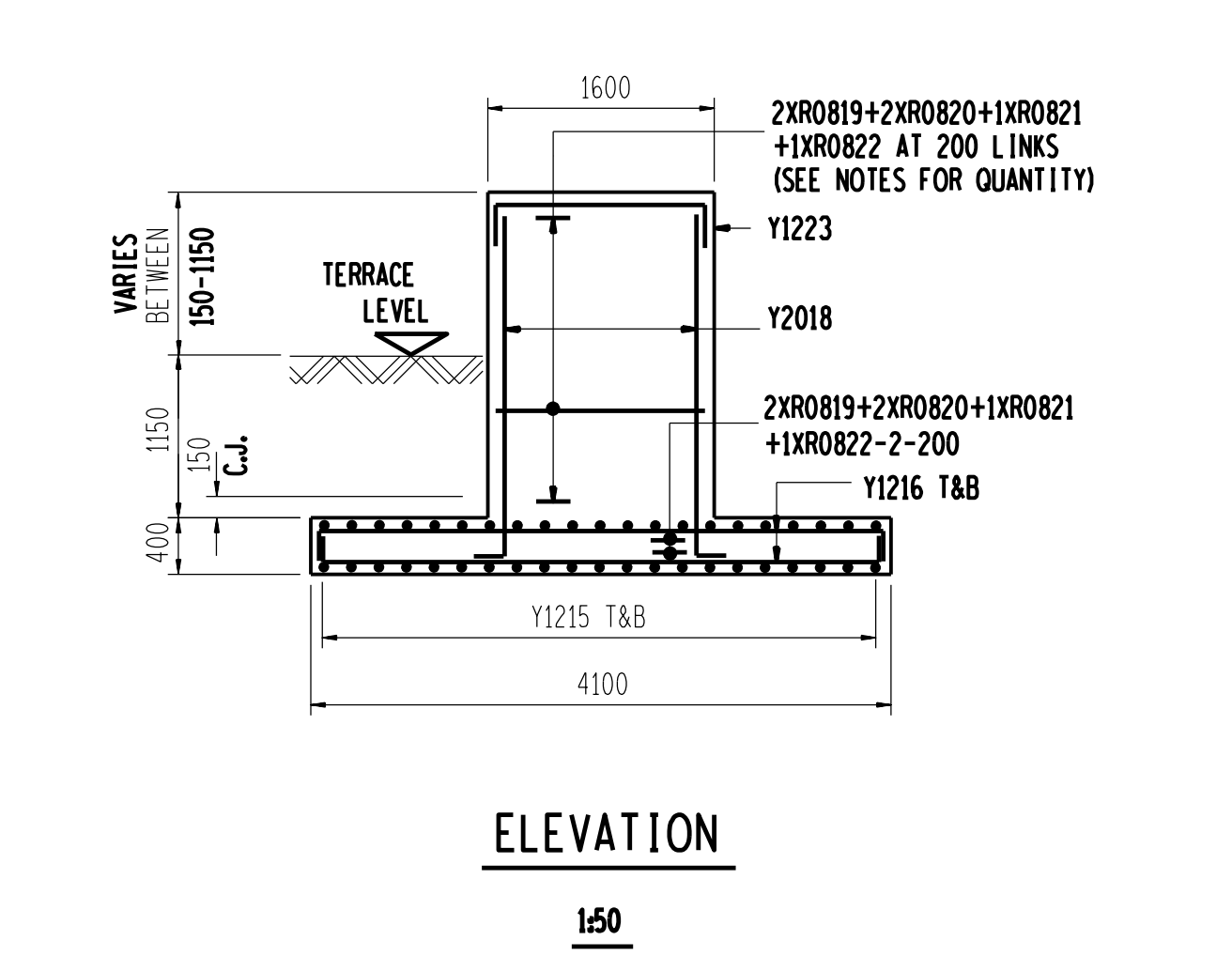
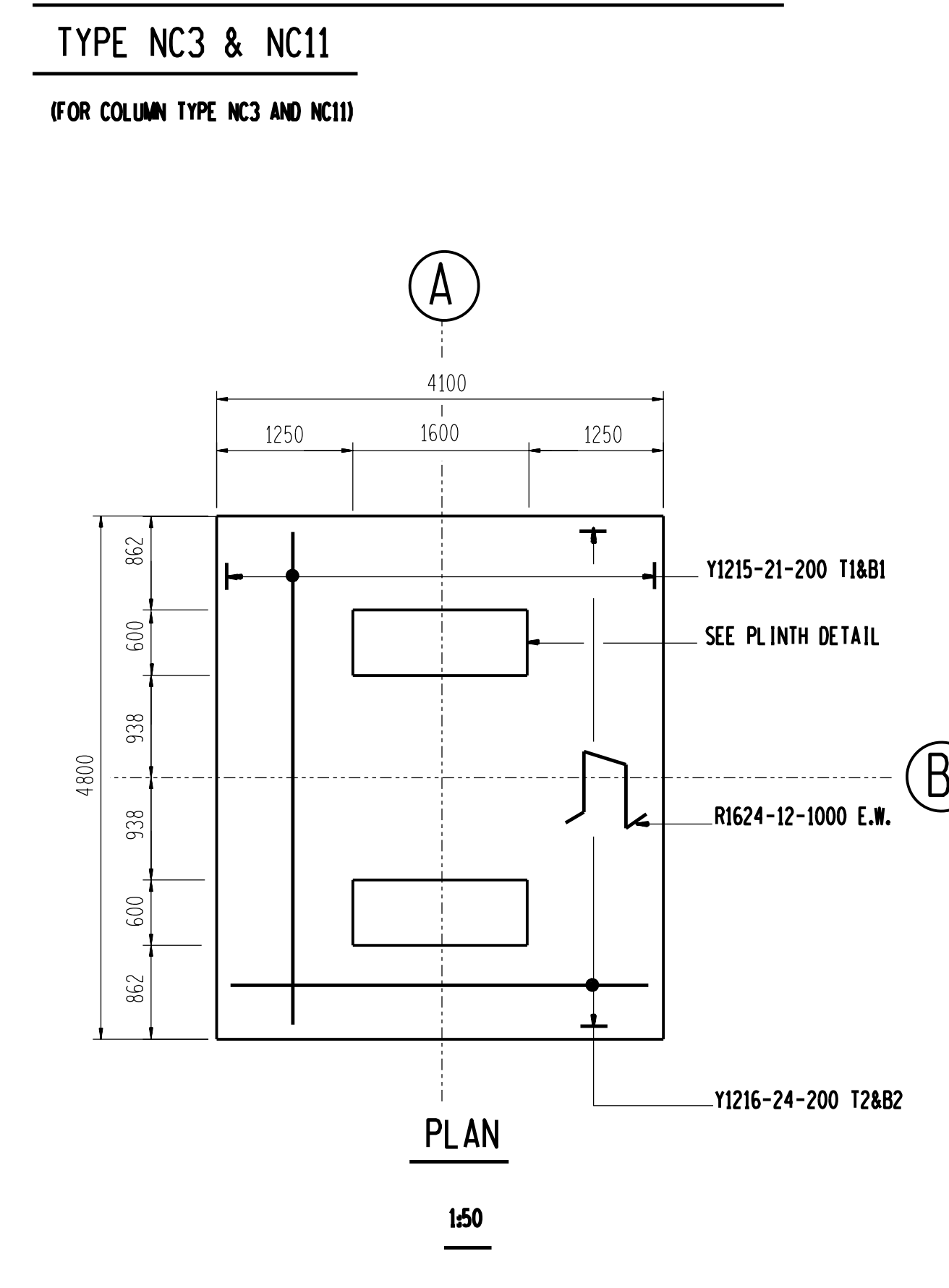
STRINGER STRAIN COLUMN FOUNDATION
TYPE NC1, NC2, NC12, NC14 AND NC16
(FOR COLUMN TYPES NC1, NC2, NC12 & NC14)



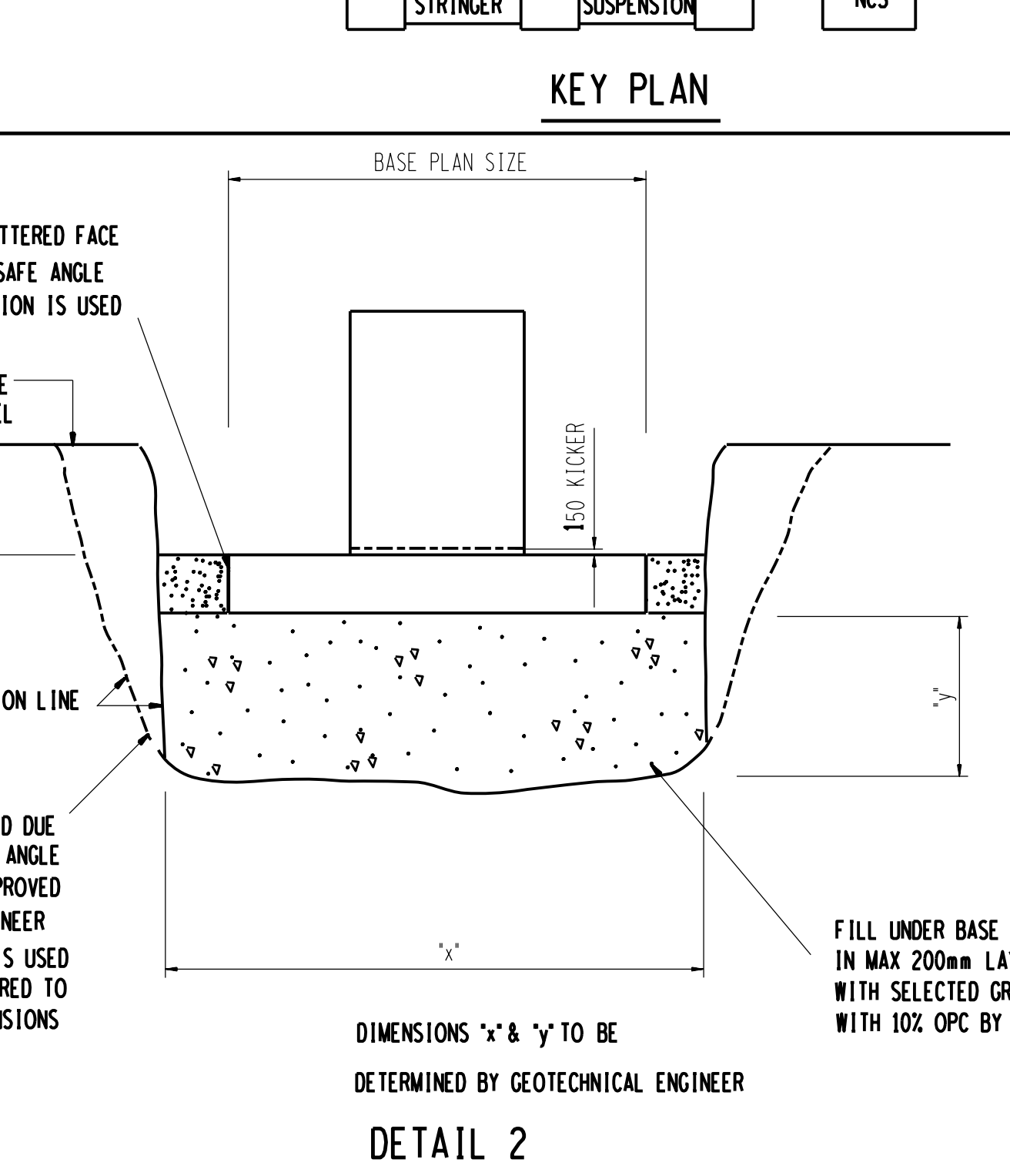
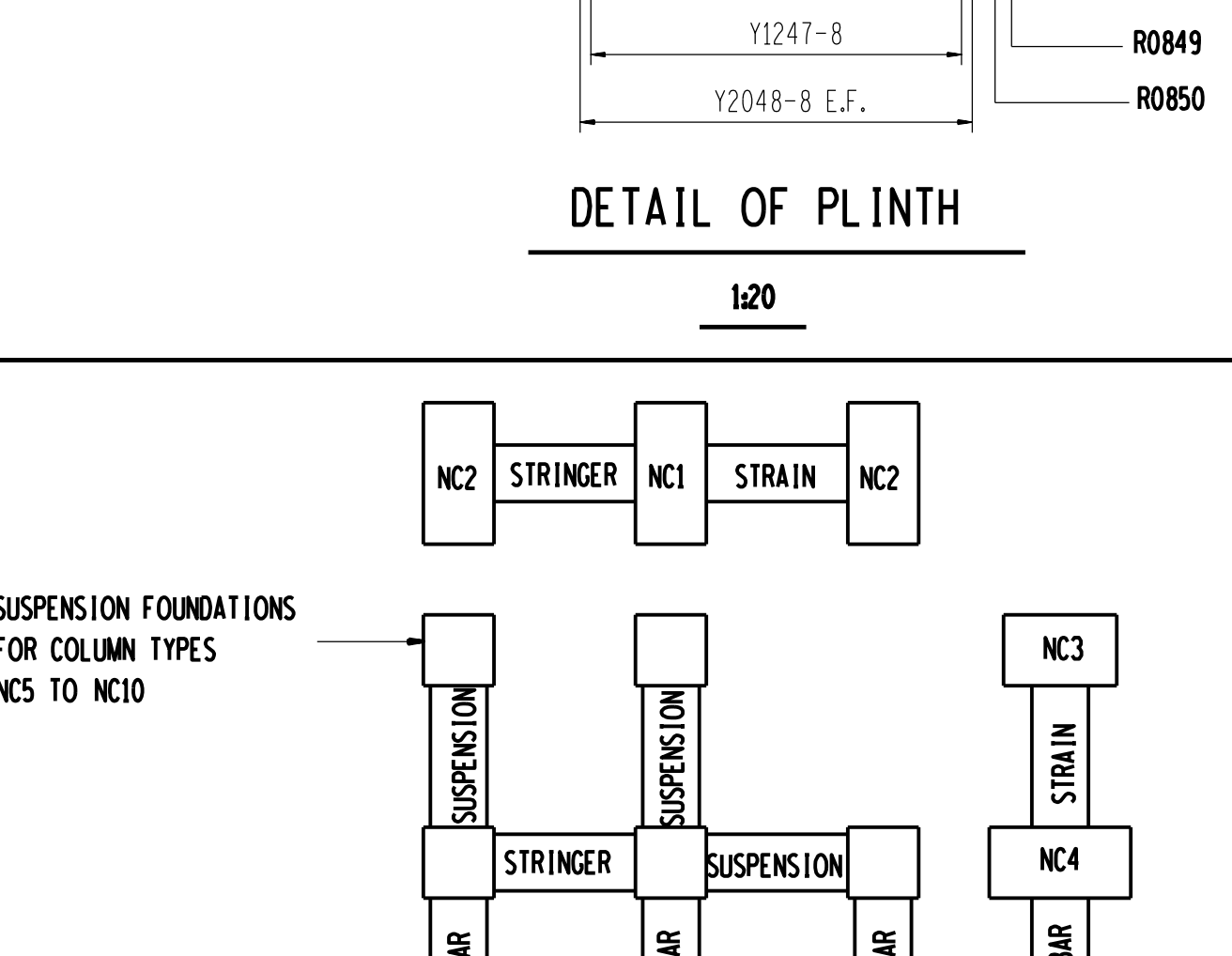
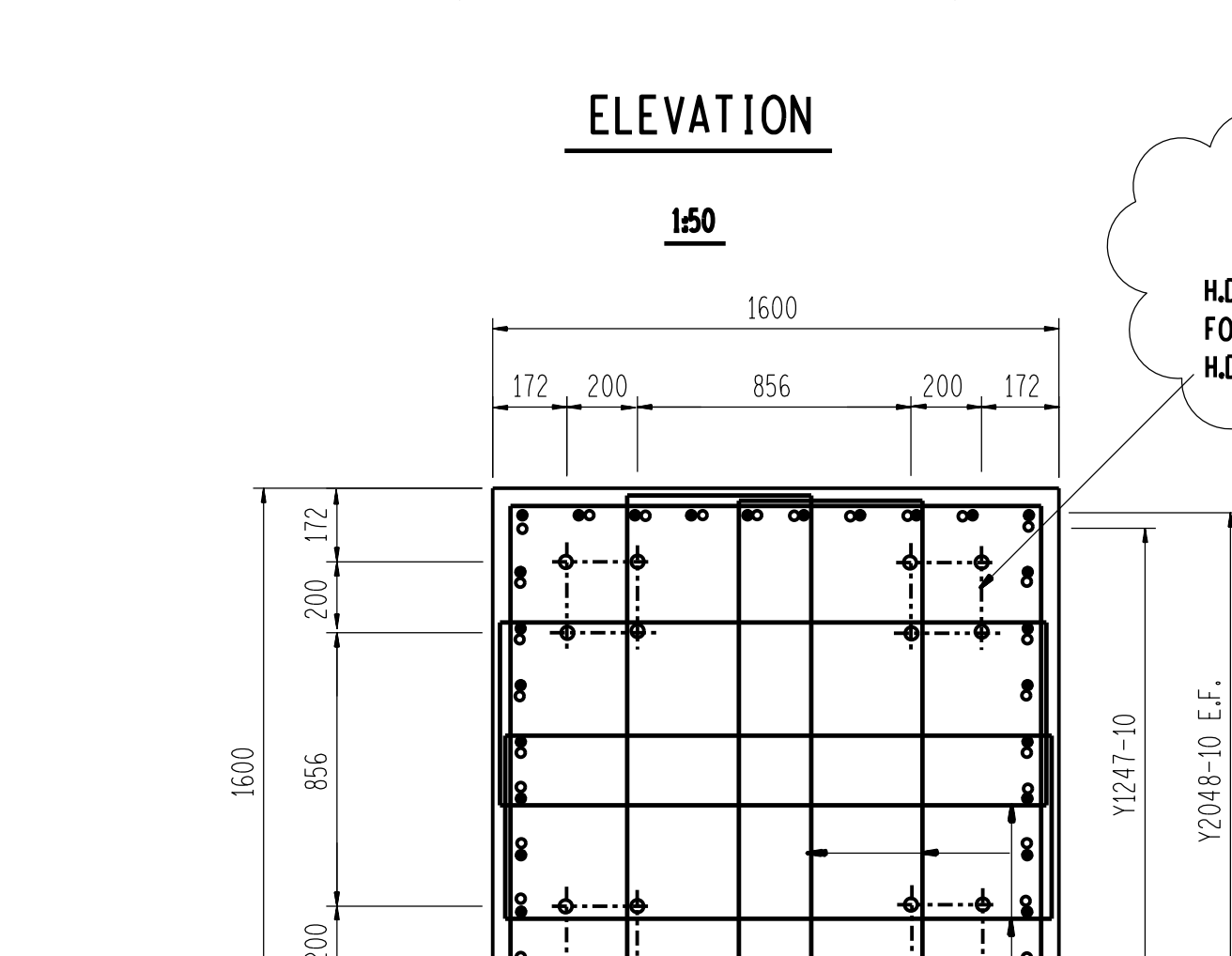
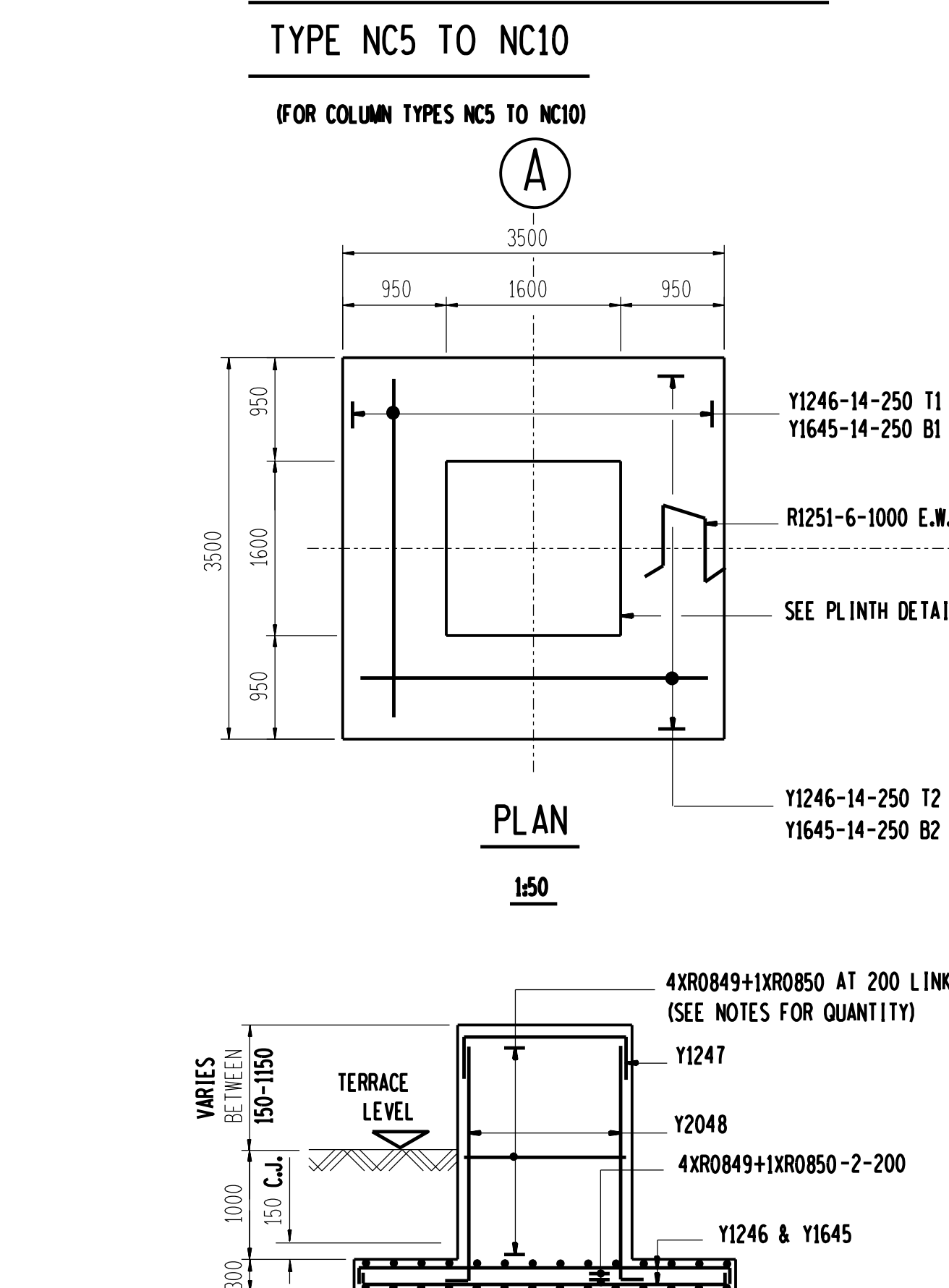
CENTRE BUSBAR STRAIN COLUMN FOUNDATION
TYPE NC4
(FOR COLUMN TYPE NC4)



OUTER BUSBAR STRAIN COLUMN FOUNDATION
TYPE NC3 & NC11
(FOR COLUMN TYPE NC3 AND NC11)



SUSPENSION COLUMN FOUNDATION
TYPE NC5 TO NC10
(FOR COLUMN TYPES NC5 TO NC10)



ITEM AND No OFF	Y R	DIA.	MK.	No OFF PER ITEM	CUTTING LENGTH m	TOTAL LENGTH m	SHAPE CODE	STANDARD SHAPES BENDING DIMENSIONS					
								A	B	C	D	E	R
BASE TYPES NC4	Y	20	01	32	8150		38	420	7420				
	Y	16	02	60	4800		38	380	4120				
	Y	12	03	20	1050		38	300	520				
	Y	20	04	64	E		37	D					
	R	08	05	2F	1100		99	200	160	340			
	R	08	06	2F	2450		60	600	520				
	R	08	07	F	2700		60	520	720				
	R	08	08	F	4300		60	1520	520				
	Y	12	09	12	2050		38	300	1520				
	R	16	10	21	1700		83	500	360	300			
BASE TYPES NC3	Y	12	15	42	5300		38	320	4720				
	Y	12	16	48	4550		38	300	4020				
	Y	12	17	20	1050		38	300	520				
	Y	20	18	64	H		37	G					
	R	08	19	2J	1100		99	200	160	340			
	R	08	20	2J	2450		60	600	520				
	R	08	21	J	4300		60	1520	520				
	R	08	22	J	2700		60	520	720				
	Y	12	23	12	2050		38	300	1520				
	R	16	24	12	1350		83	400	280	250			
BASE TYPES NC1 & NC2	Y	20	30	42	9250		38	720	7920				
	Y	20	31	64	5400		38	690	4120				
	Y	12	32	20	1050		38	300	520				
	Y	20	33	64	B		37	A					
	R	08	34	2C	1100		99	200	160	340			
	R	08	35	2C	2450		60	600	520				
	R	08	36	C	4300		60	1520	520				
	R	08	37	C	2700		60	520	720				
	Y	12	38	12	2050		38	300	1520				
	R	16	39	22	2300		83	500	660	300			
BASE TYPES NC5 TO NC10	Y	16	45	28	3700		38	180	3420				
	Y	12	46	28	3750		38	200	3420				
	Y	12	47	18	2050		38	300	1520				
	Y	20	48	36	L		37	K					
	R	08	49	4M	4450		60	600	1520				
	R	08	50	M	6300		60	1520	1520				
	R	12	51	6	1400		83	500	180	300			

TO DETERMINE A,B,C,D,E,F,G,H,J

A=800+750+VARIABLE PLINTH HEIGHT-120
B=4+200
C=[(VARIABLE PLINTH HEIGHT+750)+4] x 2
D=500+550+VARIABLE PLINTH HEIGHT-120
E=D+550
F=[(VARIABLE PLINTH HEIGHT+550)+3] x 2
G=400+1150+VARIABLE PLINTH HEIGHT-110
H=G+600-50
J=[(VARIABLE PLINTH HEIGHT+1150)+2] x 2
K=300+1000+VARIABLE PLINTH HEIGHT-110
L=K+700-50
M=[(VARIABLE PLINTH HEIGHT+1000)+2] x 2
N=200

QUANTITIES SHOWN IN SCHEDULE ARE FOR ONE BASE ONLY

- NOTES:
- 1) CONCRETE STRENGTHS AT 28 DAYS/STONE SIZE + BLINDING = 15MPa/19
 - 2) MIN CONCRETE COVER TO REINFORCEMENT = 40mm
 - 3) THESE FOUNDATIONS HAVE BEEN DESIGNED TO FOUND ON COMPETENT FOUNDING MATERIAL HAVING A MIN. GROUND BEARING CAPACITY OF 150KPa
 - 4) FOR EXCAVATION DETAILS SEE DETAILS 1 & 2
 - 5) THESE FOUNDATIONS SHALL NOT BE USED WHERE INCOMPETENT FOUNDING CONDITIONS ARE ENCOUNTERED eg. UNSTABLE CLAYS, COLLAPSING SAND, TRANSPORTED SOILS, HIGH WATER TABLE etc
 - 6) IN ALL CASES, COMPETENCY OF FOUNDING MATERIAL MUST BE ESTABLISHED BY A QUALIFIED GEOTECHNICAL ENGINEER
 - 7) WHERE ADJACENT COLUMN BASES BUTT AGAINST ONE ANOTHER, AN ISOLATION JOINT MUST BE PROVIDED. ie. THEY ARE NOT TO BE CAST MONOLITHICALLY
 - 8) STEEL TEMPLATE TO BE USED FOR SETTING OUT H.D. BOLTS
 - 9) H.D. BOLTS SUPPLIED BY CIVIL CONTRACTOR COMPLETE WITH NUTS & WASHERS AND TO BE GALVANISED TO S.A.B.S. 763 (HOT DIPPED) AND MUST BE CLEARLY MARKED WITH DIAMETER, GRADE AND BASE TYPE
 - 10) THREAD OF NUTS TO BE OVER-CUT TO ALLOW FOR THE THICKNESS OF GALVANISING
 - 11) ANY DAMAGE TO THE GALVANISED SURFACES SHALL BE TOUCHED UP WITH ZINC-METAL SPRAY OR INORGANIC ZINC-RICH PAINT COMPLYING WITH S.A.B.S. 926 APPLICATION TO SUPPLIERS SPECIFICATIONS
 - 12) ALL TOP EDGES OF CONCRETE ABOVE GROUND TO HAVE 20:20 CHAMFERS
 - 13) ALL WORK TO BE IN ACCORDANCE WITH S.A.B.S. 1200 SERIES SPECIFICATIONS
 - 14) CONCRETE FINISH : TOP OF FOUNDATION = WOOD FLOAT FINISH
 - 15) SIDES = SMOOTH OFF SHUTTER FINISH

IMPACTED 13% MOD ASHSTO MATERIAL STABILIZED	11	DUCS	07.16	HD BOLTS MASS ADDED	PHD	08N		
	10	DUCS	04.08	NC16 ADDED	DUCS	08N		
	9	DUCS	02.07	NC12 & NC14 ADDED WITH NC1 AND NC2	DUCS	08N		
	8	DUCS	4/99	NOTES AND HD BOLT GRADE REVISED	DUCS	08N		
	7	JUN	1/97	BOLT LENGTH CHANGED	DEN	JUN		
	6	RvDE	11.93	BAR SHAPE 99 CHANGED	DEN	JUN		
	5	S.B	03.93	NC11 ADDED TO NC3	DEN	V.C.S.		
	4	FAL	07.92	NOTE 9 REVISED	KJS	M.S.		
	3							
	2							
	1							
REV				REVISIONS/REVISED		BY		0.54/ CHAD MCCREY
AUTH PMG		DATE OUT/IN		INDEX REF./INDEX/REVIEW		F.59		
OTHER RECORDS								
FAL				JUN				
AB				JUN				
CD				JUN				
DAR				JUN				
CHAD MCCREY				APPROVED				0.54/3996
SCALE SHOWN				N/A AS SHOWN				
CAD DRAWING NAME: 4FOUNDOON				400kV YARD STEELWORK STANDARD FOUNDATIONS CONCRETE AND REINFORCEMENT DETAILS FOR PAD TYPE FOUNDATIONS				
THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM AND ANY AMENDMENT TO THE DRAWING MUST BE EFFECTED ONLY ON THE SAME C.A.D. SYSTEM				DESIGNER: N/A CHECKER: N/A				
								11