

ADDENDUM-3

DATE: 10.01.2025

Main Conveyor Package (CHP, BMHP, LHP and GHP) for Singrauli STPP Stage-III 2x800 MW

Tender Ref: 77/24/6143/BPA

NIC Tender ID: 2024_BHEL_42240_1

“Extension of due date for submission of offer”

Due date for submission of Offer has been extended to 24.01.2025

Submission of offer by 1.00 PM on 24.01.2025

Opening of Techno commercial bid at 4.00 PM on 24.01.2025

Any further addendum such issued carry part of the bidding documents and this will be available at the web site from where the original documents have been received / downloaded by the bidder. Hence, bidders are requested to visit the web site on regular basis.

Pre-Bid Clarification-02 is enclosed.

For Further Queries if any, Contact:

For Commercial :

Smt. Bhubaneswari Parida
Manager / PG-III
BHEL-ISG,
Prof.C.N.R.Rao Circle,
Bangalore-560 012
Off: 080 2218 4116,
e-mail: bparida@bhel.in

For Technical :

Sh. Sandeep Sadu
Manager / PE / Mech
BHEL-ISG,
Prof.C.N.R.Rao Circle,
Bangalore-560 012
Off: 080 2218 4219,
e-mail : ssd@bhel.in

Main Conveyor Package (CHP, BMHP, LHP & GHP) for Singrauli STPP Stage-III (2x800 MW) BHEL Tender ref. No. 77/24/6143/BPA		
TECHNICAL CLARIFICATIONS Dated 07-JAN-2025		
Sl. No.		Clarification by BHEL
1	Technical enclosures: Annexure-4 Conveyor profiles	Bidder is note conveyor 30A/B drive floor at TP-23 elevation has been increased by 2.0m. (i.e. EL 6.5m to EL 8.5m). Pl. ref. revised conv. 30A/B profile drawing (Rev-1) enclosed along with this clarification. So bidder to consider conv. 30A/B drive chain equipment and other associated conveyor components/ items as per revised profile and quote accordingly.
2	Addl. drawings of existing facilities	<p>In continuation to drawings of existing facilities furnished in NIT spec earlier, following drawings of existing facilities as received from NTPC are being furnished to bidders for reference and working:</p> <ul style="list-style-type: none"> a. Auto Sampling Tower for 12AB (DRG. NO. ASSPL-GA-CIVIL-0148, 4 Sheets_1-4 to 4-4) b. Auto Sampling Tower for 12AB (DRG. NO. ASSPL-SYS-STRL-0148, 5 Sheets_1-5 to 5-5) c. Tunnel drawings for 3AB (DRG. NO. 031-FE-C-693) d. Tunnel drawings for 3AB (DRG. NO. 031-FE-C-701) e. Tunnel drawings for 3AB (DRG. NO. 858-31) f. Tunnel drawings for 3AB (DRG. NO. 858-32)

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It must not be used in any way detrimental to the interest of the Company.

SIGN & DATE

INVENTORY NO.

REF. DRG. NO.

DRAWING NO.

A

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AO

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AS

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AU

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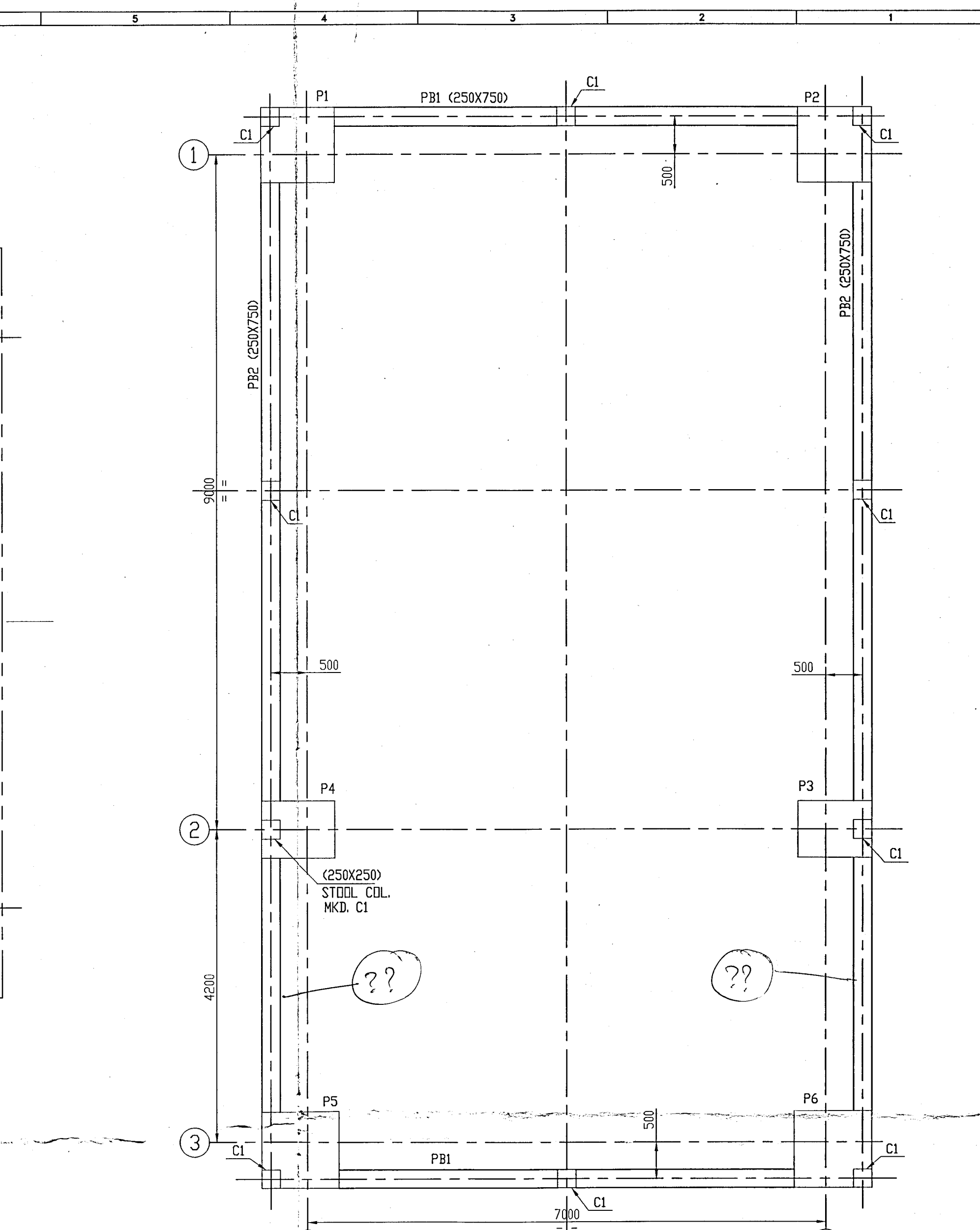
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MR

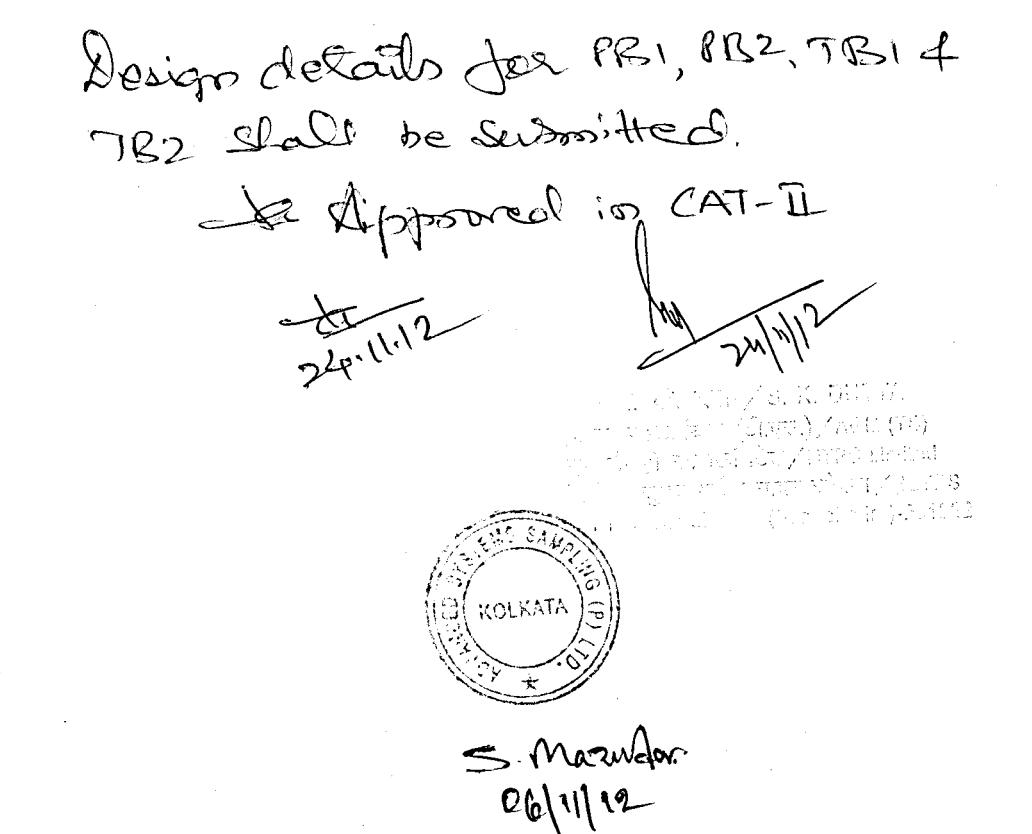
MS

MT



MU

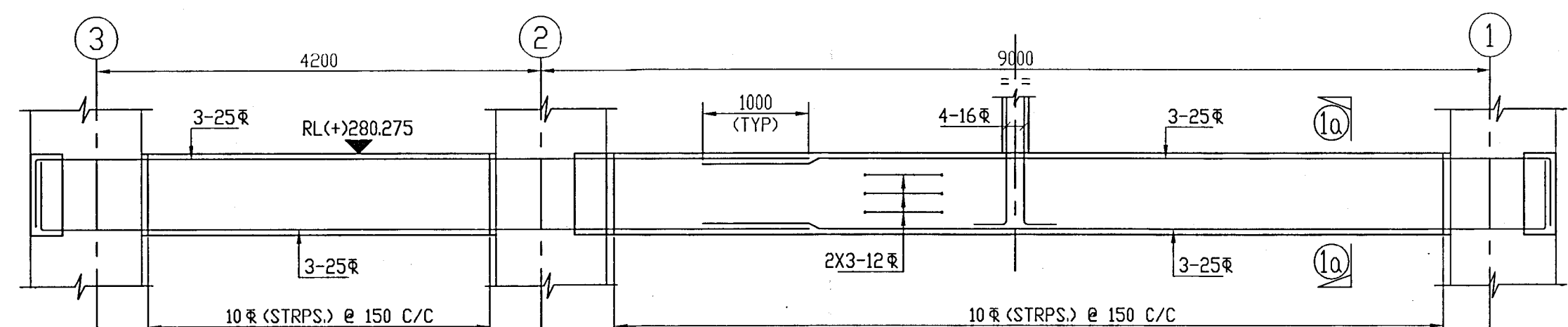


LAYOUT OF PLINTH BEAM AT R.L. 280.275M LEV.

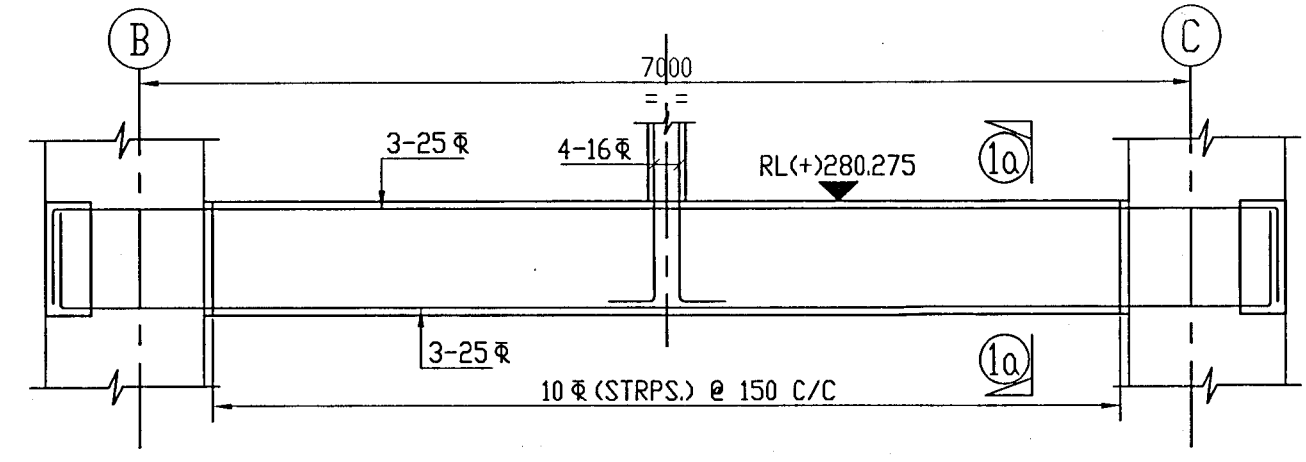


LAYOUT OF TIE BEAM
AT R.L. 276.775M LEV.

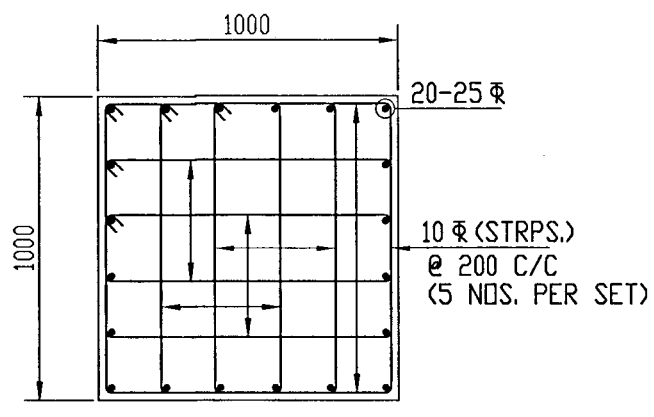
PROJECT :		SINGRAUL SUPER THERMAL POWER STATION COAL SAMPLER SYSTEM IN CHP-II																
CLIENT :		<div> NTPC Limited (A Government of India Enterprise)</div>																
SUPPLIER / CONTRACTOR:		<div> ADVANCED SYSTEMS SAMPLING PVT. LTD. KOLKATA</div>																
JOB No. :		TITLE :																
<table><tr><th>NAME</th><th>SIGN</th><th>DATE</th></tr><tr><td>DSGN SXR</td><td></td><td>18.05.12</td></tr><tr><td>DRWN LBR</td><td></td><td>18.05.12</td></tr><tr><td>CHKD SXR</td><td></td><td>18.05.12</td></tr><tr><td>APPR SFS</td><td></td><td>18.05.12</td></tr></table>		NAME	SIGN	DATE	DSGN SXR		18.05.12	DRWN LBR		18.05.12	CHKD SXR		18.05.12	APPR SFS		18.05.12	SAMPLING SYSTEM FOR CONJ. 12A&B LAYOUT OF FOUNDATIONS	
NAME	SIGN	DATE																
DSGN SXR		18.05.12																
DRWN LBR		18.05.12																
CHKD SXR		18.05.12																
APPR SFS		18.05.12																
DRG. No.		ASSPL-GA-CIVL-0148-1-4																
		SHEET 1 OF 4																
RELEASED FOR		SIZE A1																
<input type="checkbox"/> PRELIMINARY		<input type="checkbox"/> TENDER																
<input type="checkbox"/> INFORMATION		<input checked="" type="checkbox"/> APPROVAL																
<input type="checkbox"/> CONSTRUCTION		REV. (1)																



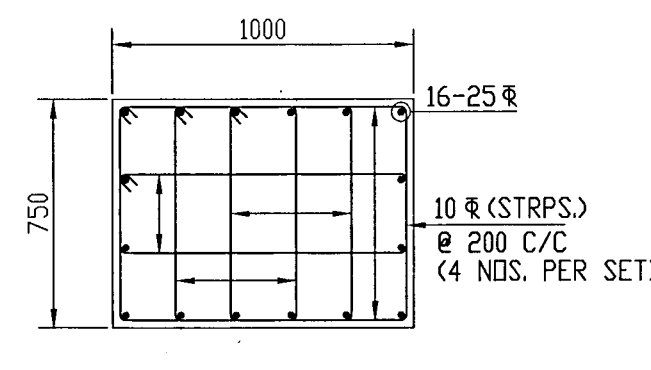
DETAIL OF PLINTH BEAM MKD. PB2
(2 NOS. REQD. THUS)



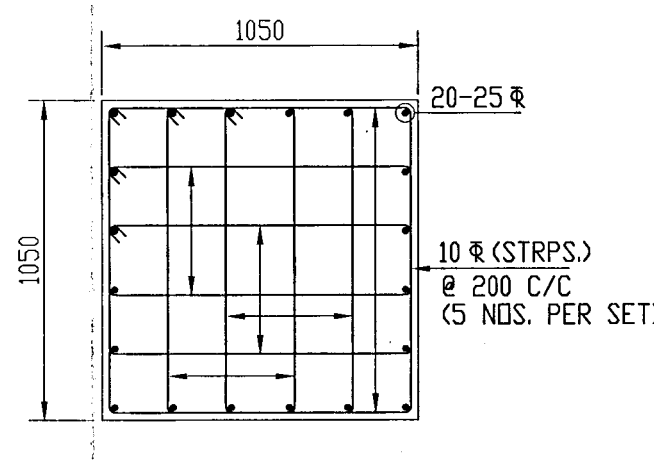
DETAIL OF PLINTH BEAM MKD. PB1
(2 NOS. REQD. THUS)



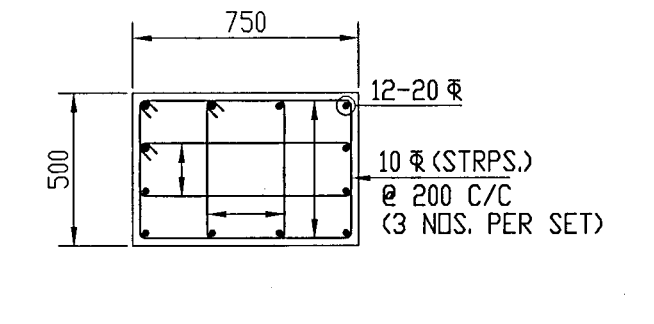
REINF. DET. OF PEDESTAL MKD. P1
(REINF. DET. OF PEDESTAL MKD. P2 IS SIMILAR)
(SCALE 1:25)



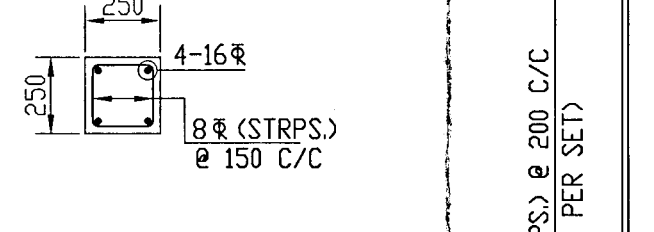
REINF. DET. OF PEDESTAL MKD. P3
(REINF. DET. OF PEDESTAL MKD. P4 IS SIMILAR)
(SCALE 1:25)



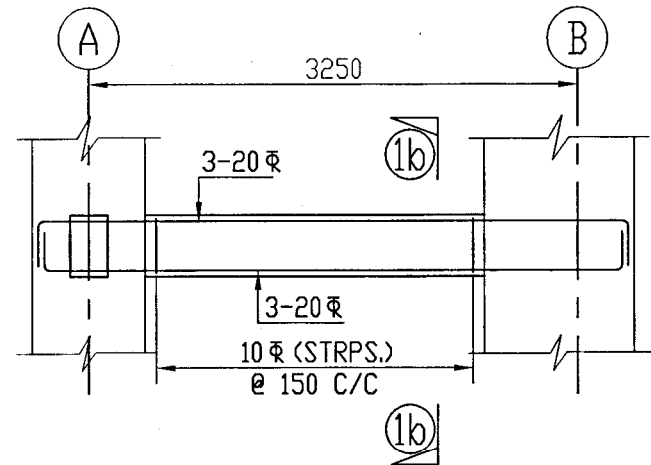
REINF. DET. OF PEDESTAL MKD. P5
(REINF. DET. OF PEDESTAL MKD. P6 IS SIMILAR)
(SCALE 1:25)



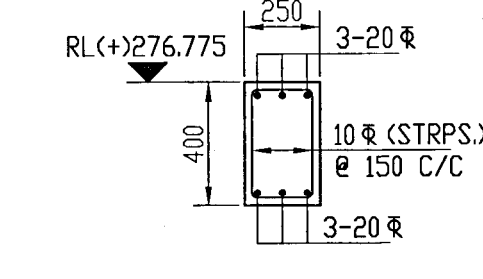
REINF. DET. OF PEDESTAL MKD. P7
(SCALE 1:25)



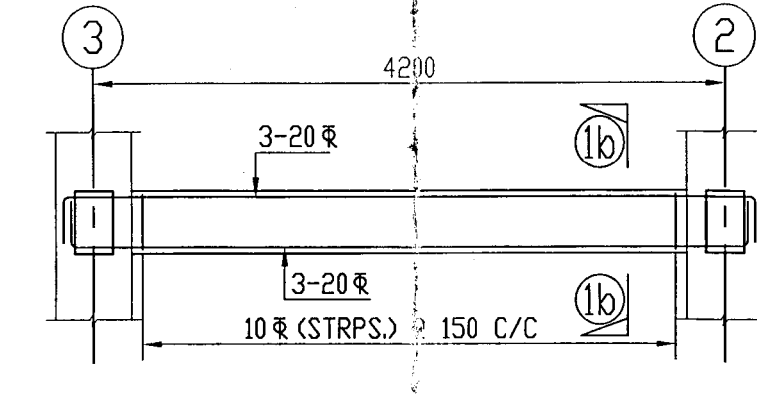
REINF. DET. OF STOOL COL. MKD. C1
(SCALE 1:25)



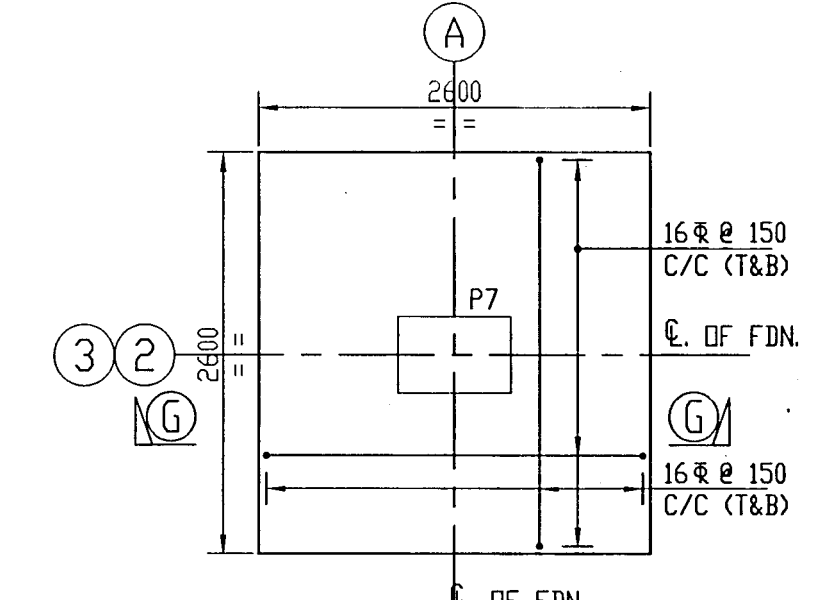
DETAIL OF TIE BEAM MKD. TB1
(2 NOS. REQD. THUS)



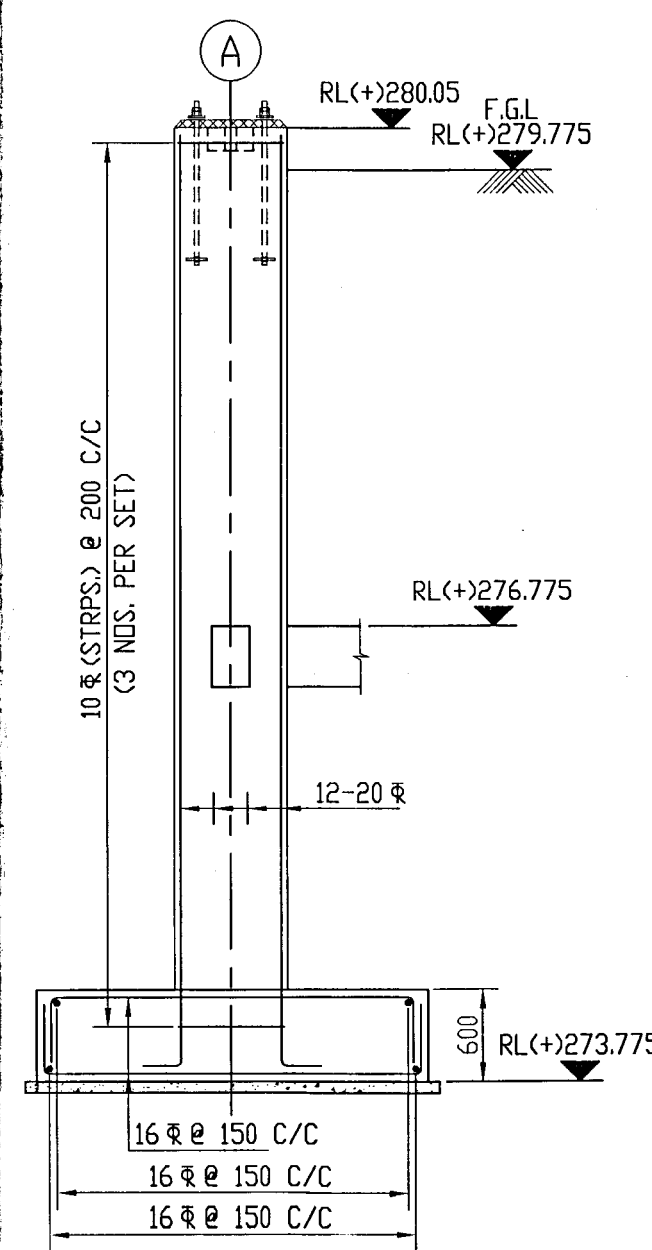
SECTION 1b-1b
(SCALE 1:25)



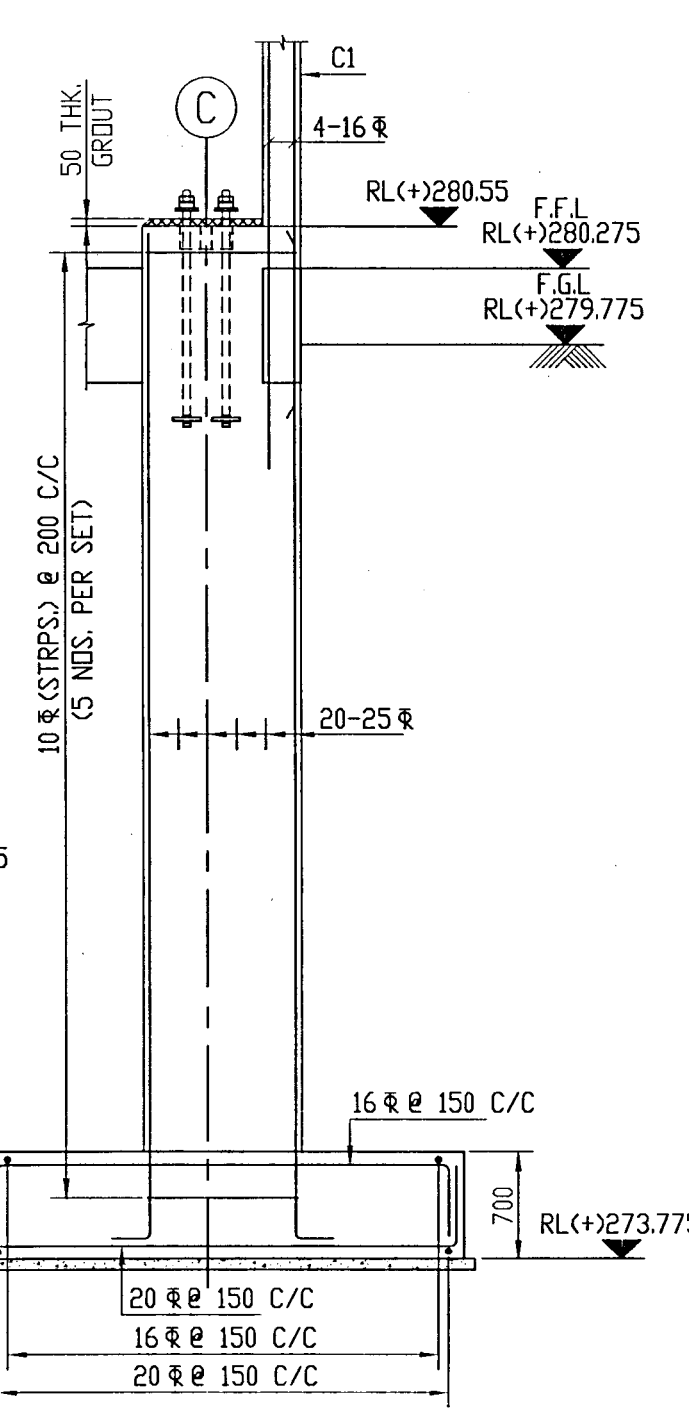
DETAIL OF TIE BEAM MKD. TB2
(1 NO. REQD. THUS)



DETAIL OF FDN. MKD. F7

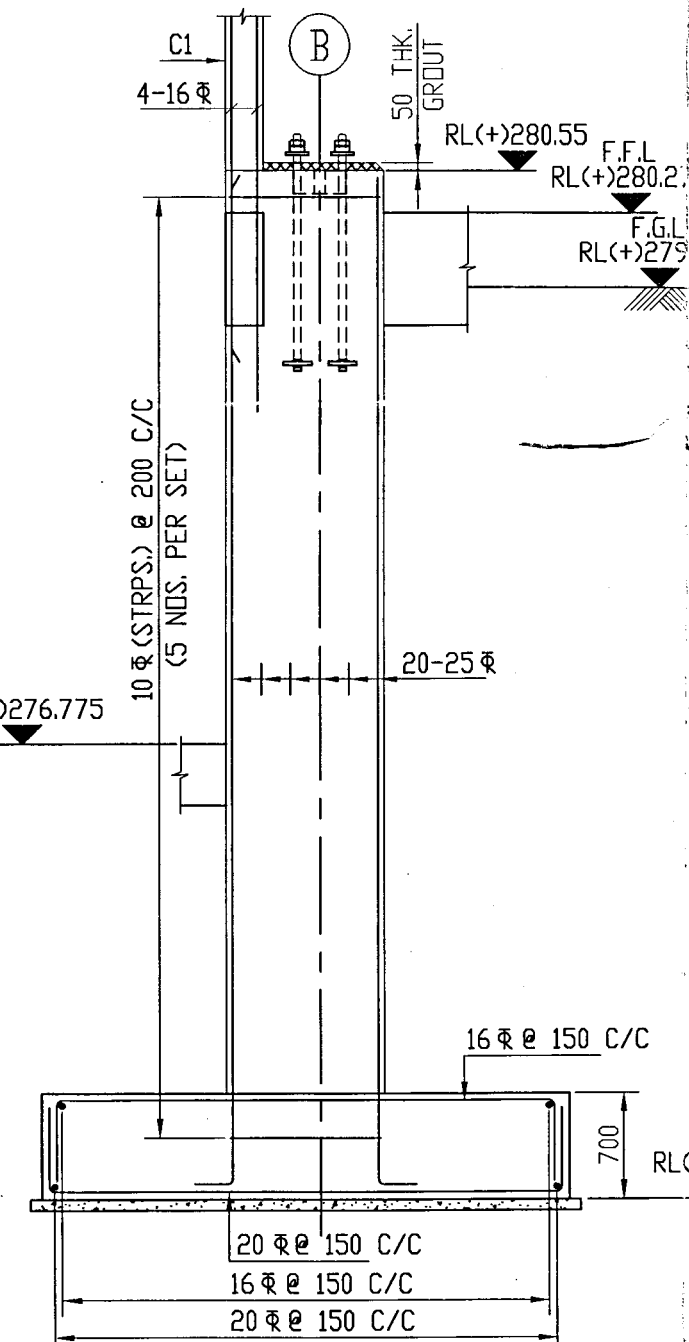
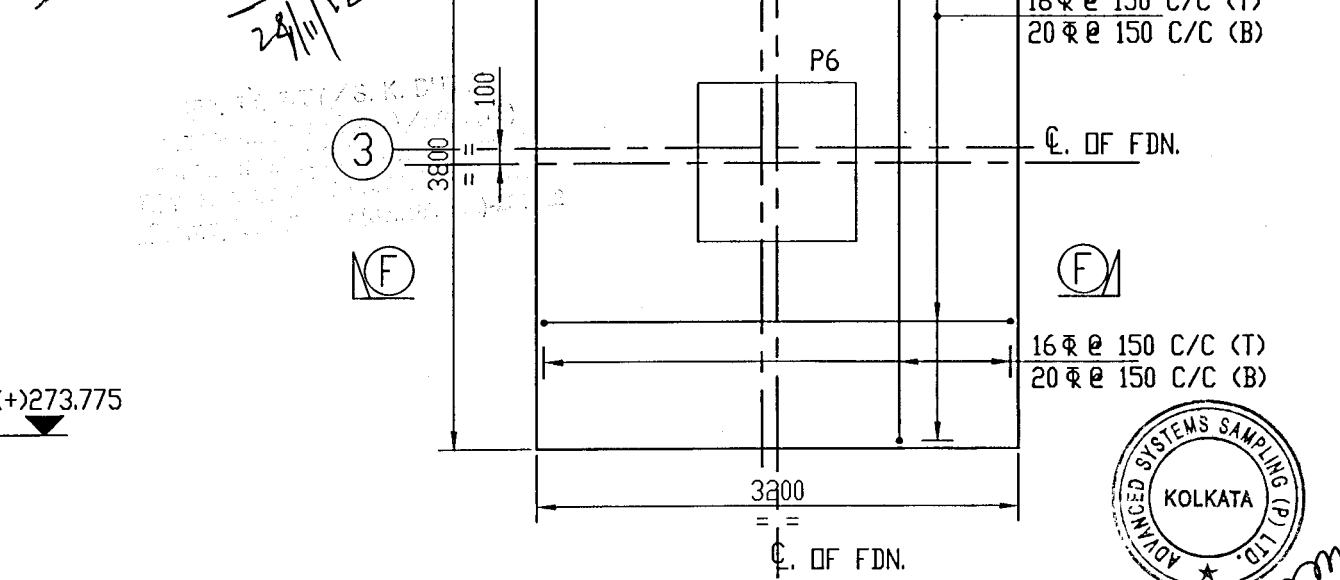


SECTION G-G

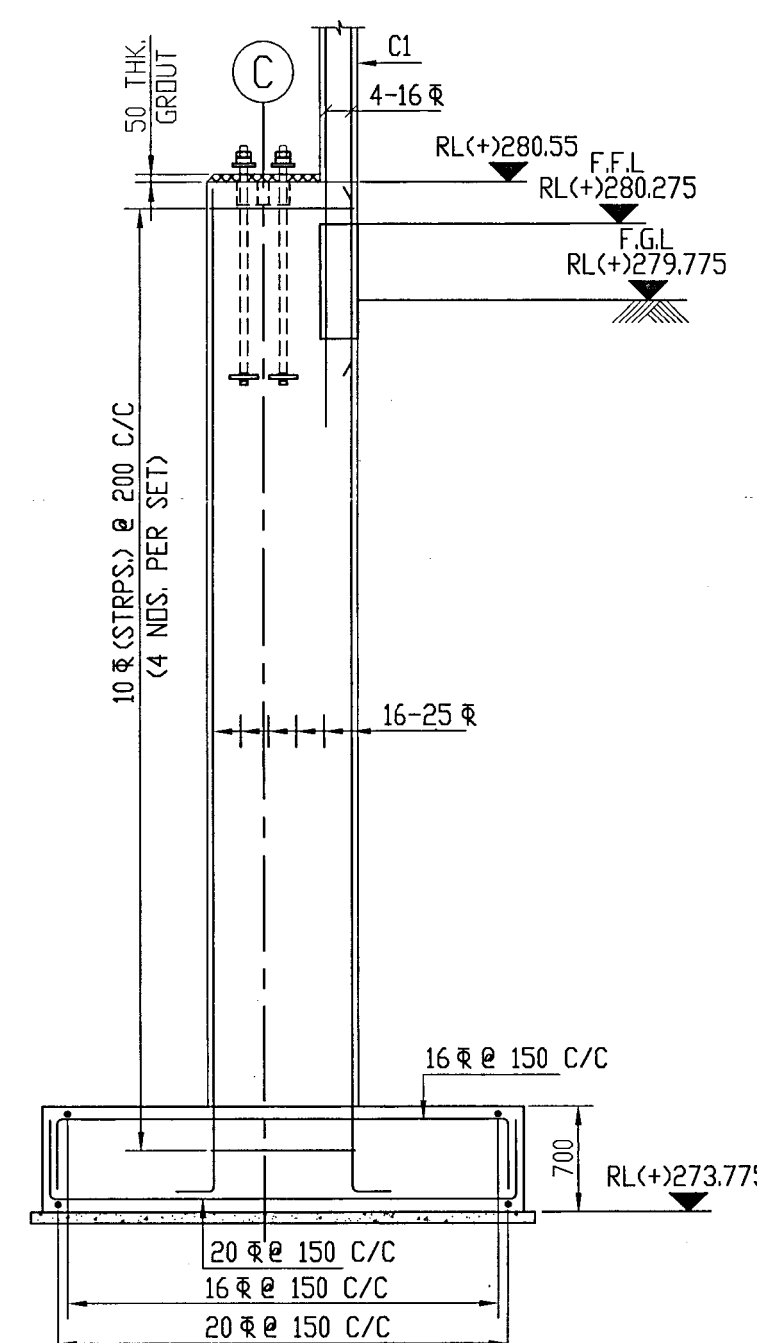


DETAIL OF FDN. MKD. F6

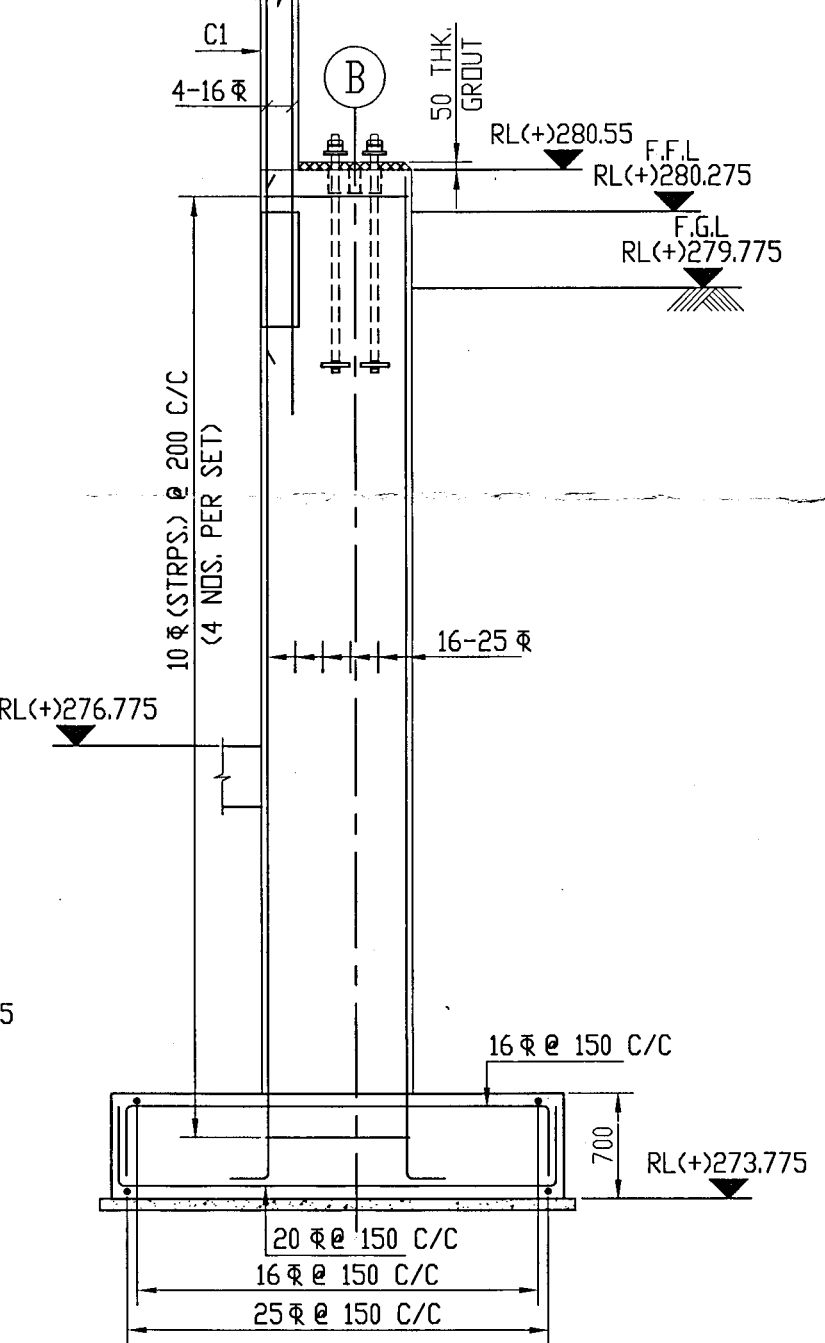
Design details for P1, P2, P3, P4, P5, P6, P7, TB1, TB2 shall be submitted.
Approved in CAT-II
24/11/22



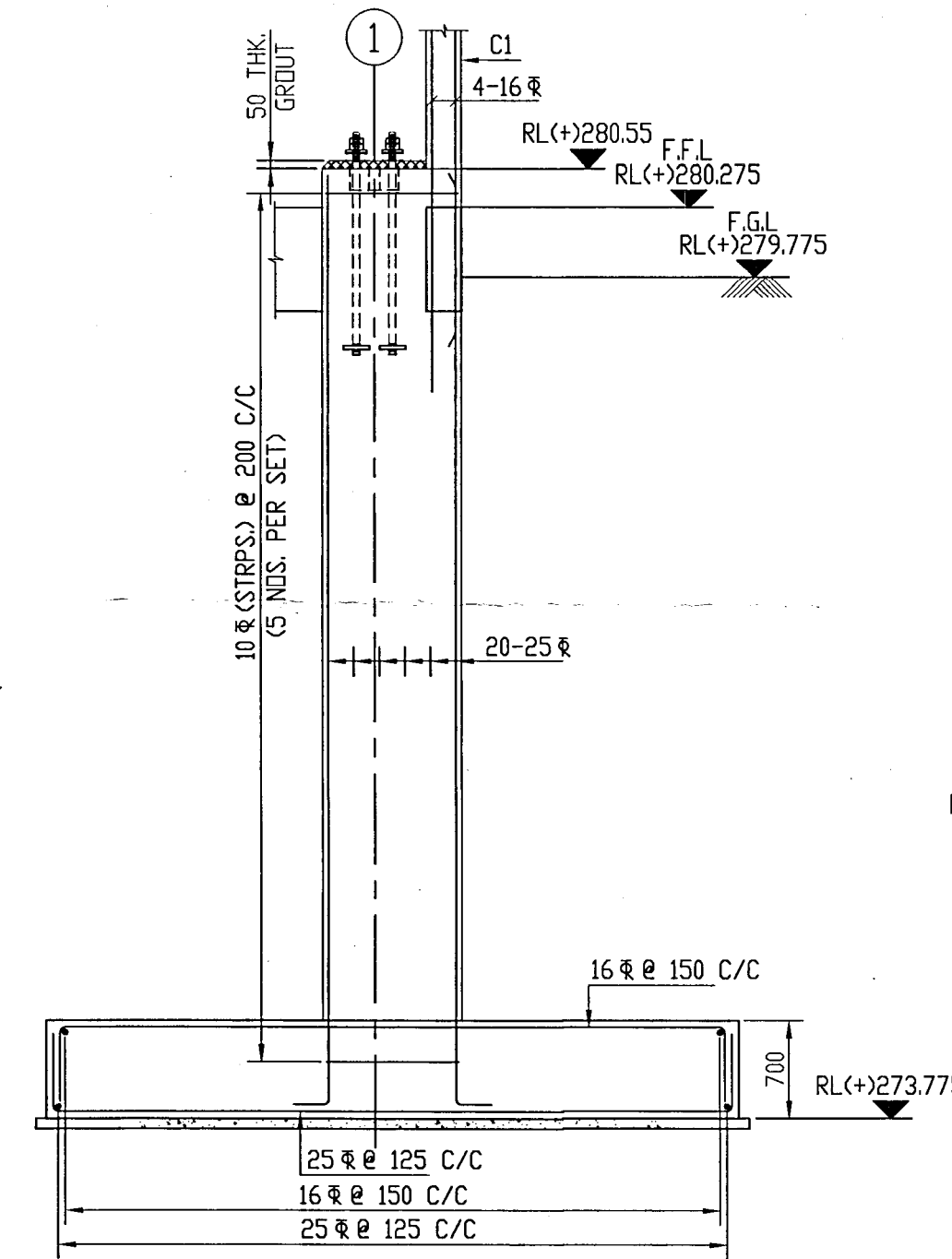
SECTION E-E



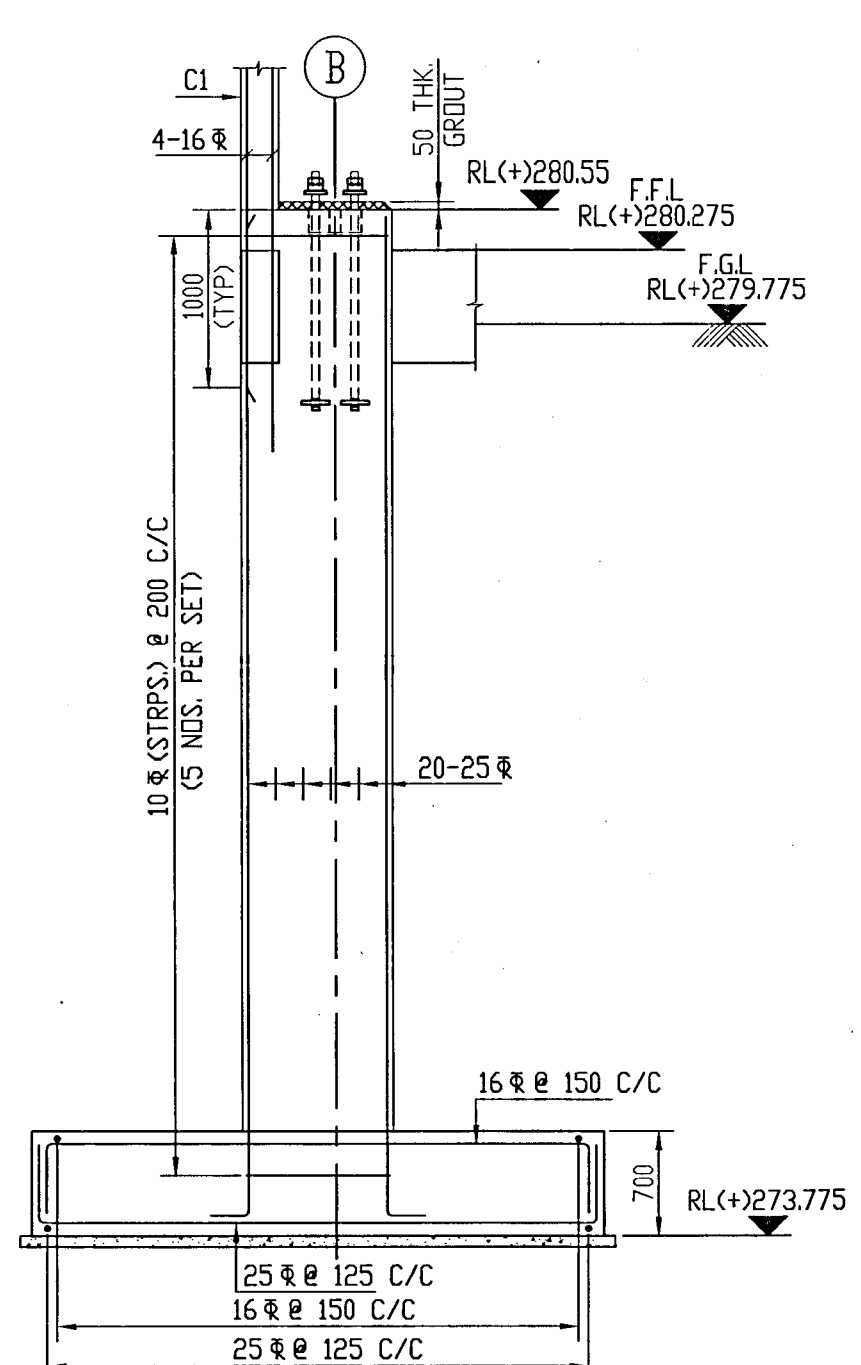
SECTION D-D



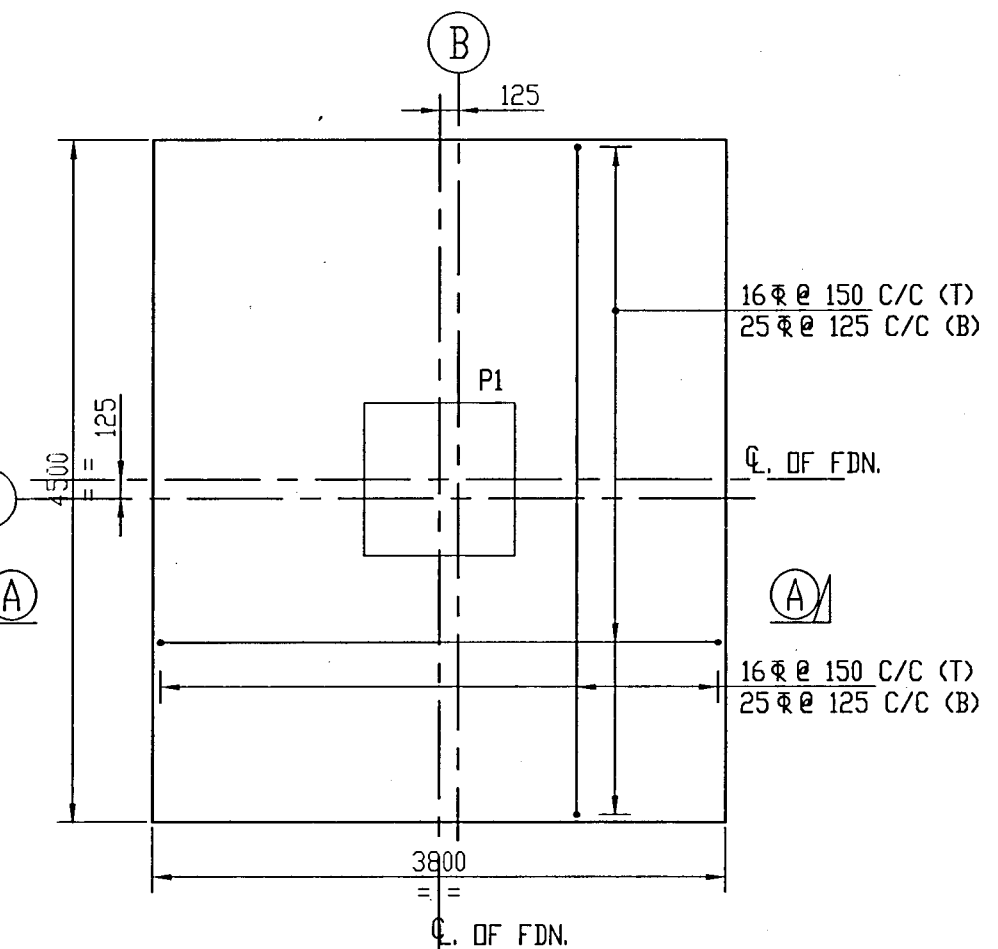
SECTION C-C



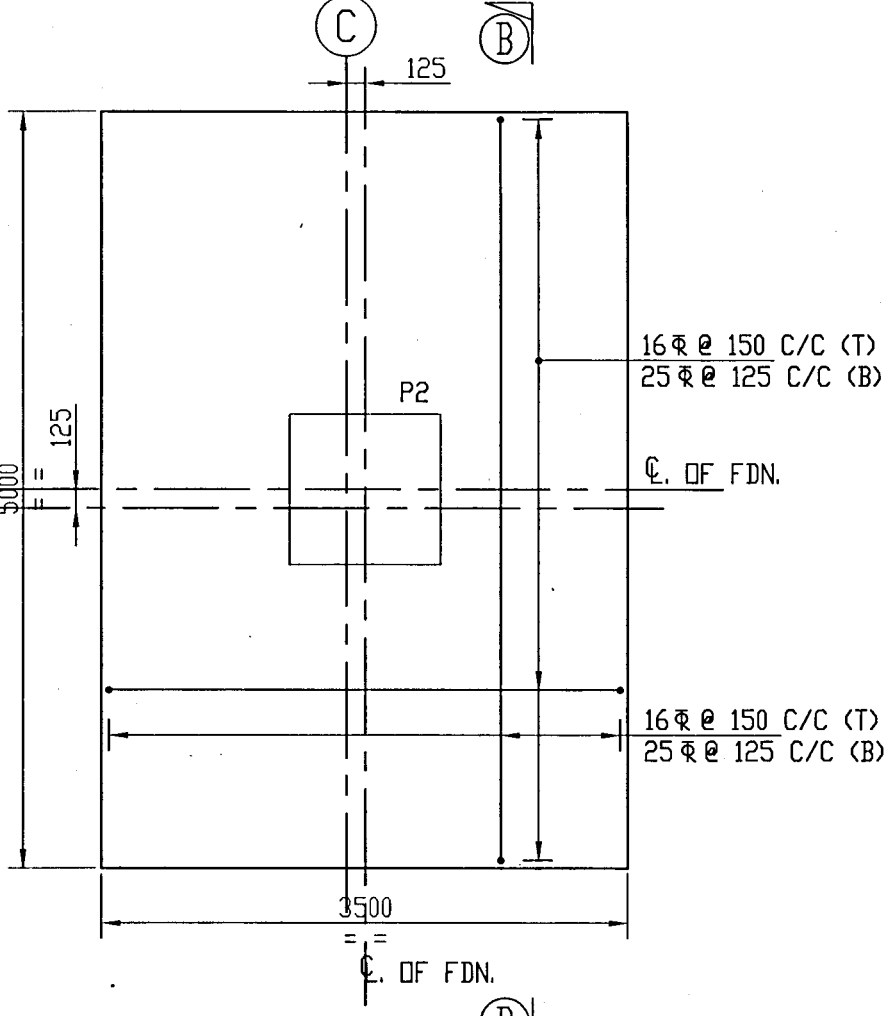
SECTION B-B



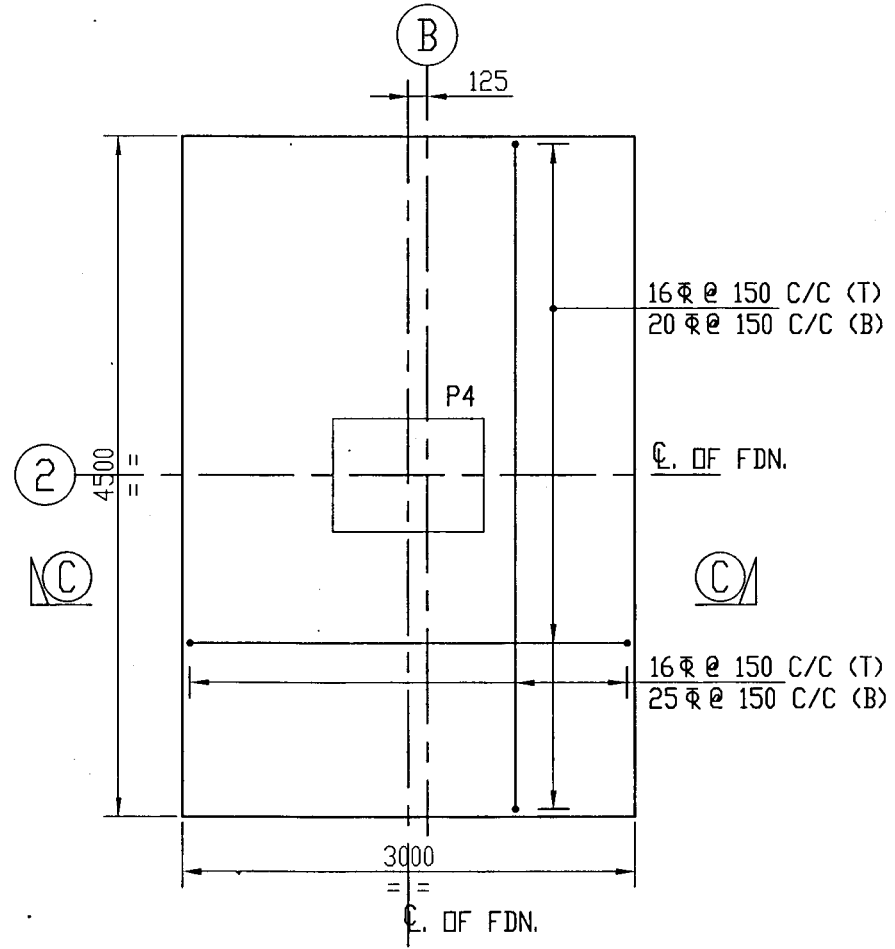
SECTION A-A



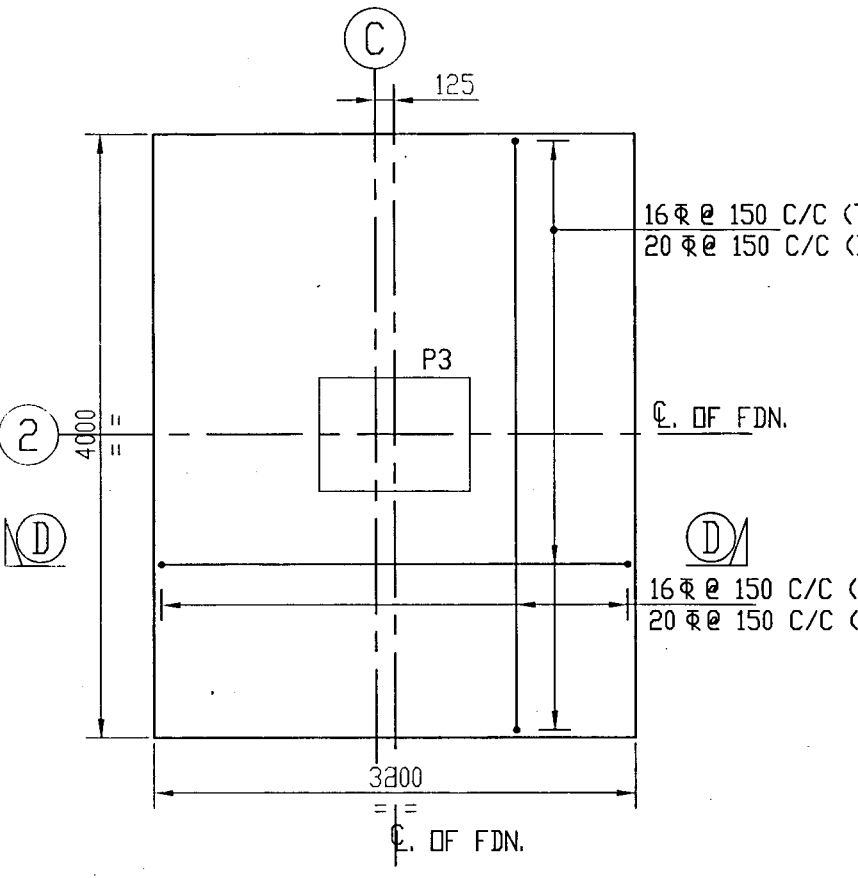
DETAIL OF FDN. MKD. F1



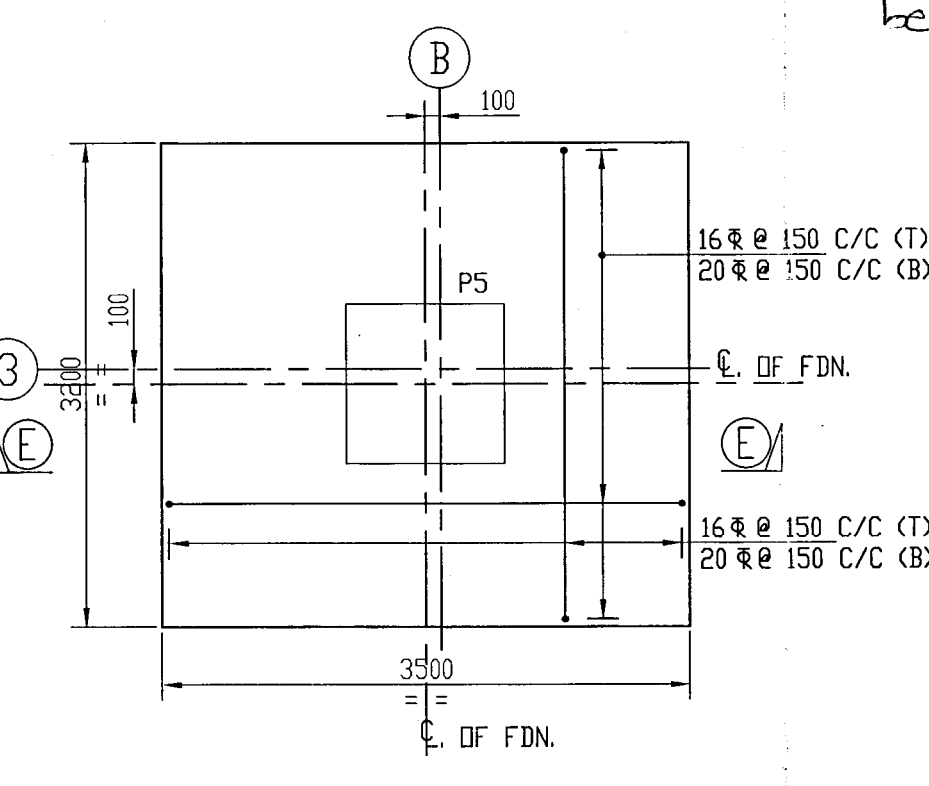
DETAIL OF FDN. MKD. F2



DETAIL OF FDN. MKD. F3



DETAIL OF FDN. MKD. F4



DETAIL OF FDN. MKD. F5

2. lap length shall be 50 times of the bigger bar and shall be staggered.

NOTES:-

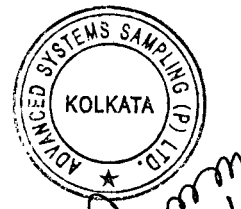
- ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN M UNLESS OTHERWISE MENTIONED.
- THIS DRAWING SHALL BE READ CONJUNCTION WITH DRG. NOS. ASSPL-GA-CIVL-0148-1-1 Sh 1 & 2.
- CONCRETE GRADE FOR R.C. WORK SHALL BE M25 (1:2).
- REINFORCEMENT BARS DESIGNATED BY Ø DENOTE HIGH YIELD STRENGTH DEFORMED BARS Fe-500, CONFORMING TO IS-1786.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE 50 mm.
- DEVELOPMENT LENGTH, ANCHORAGE LENGTH, HOOKS AND BENDS SHALL BE AS PER IS:456-2000.
- Back filling with earth shall be completed to be 90% of the standard for details at CMC.

PROJECT : SINGRAULI SUPER THERMAL POWER STATION
COAL SAMPLER SYSTEM IN CHP-II
CLIENT : **NTPC Limited**
(A Government of India Enterprise)
SUPPLIER / CONTRACTOR : **ADVANCED SYSTEMS SAMPLING PVT. LTD.**
KOLKATA

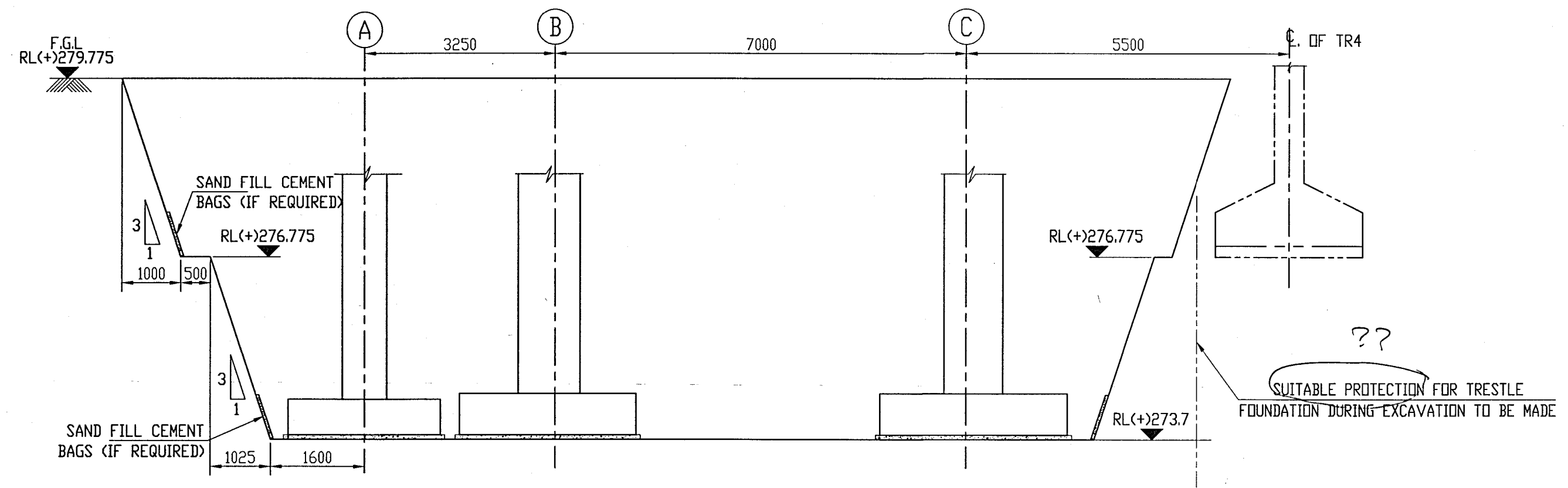
JOB No. :	TITLE :	SCALE
ASSPL-GA-CIVL-0148-3-4	SAMPLING SYSTEM FOR CONV. 12 A&B R.C DETAIL OF FDN	1:50
DRG. No.	ASSPL-GA-CIVL-0148-3-4	SHEET 3 OF 4
RELEASED FOR	<input type="checkbox"/> PRELIMINARY <input type="checkbox"/> TENDER <input type="checkbox"/> INFORMATION <input checked="" type="checkbox"/> APPROVAL <input type="checkbox"/> CONSTRUCTION	

THIS DRAWING IS THE PROPERTY OF ADVANCED SYSTEMS SAMPLING PVT. LTD. MECHANICAL DIVISION A ID MUST NOT BE PASSED ON TO ANY PERSON OR BODY NOT AUTHORISED BY US TO RECEIVE IT NOR BE COPIED OR OTHERWISE MADE USE EITHER IN FULL OR IN PART BY SUCH PERSON OR BODY WITHOUT OUR PRIOR PERMISSION IN WRITING

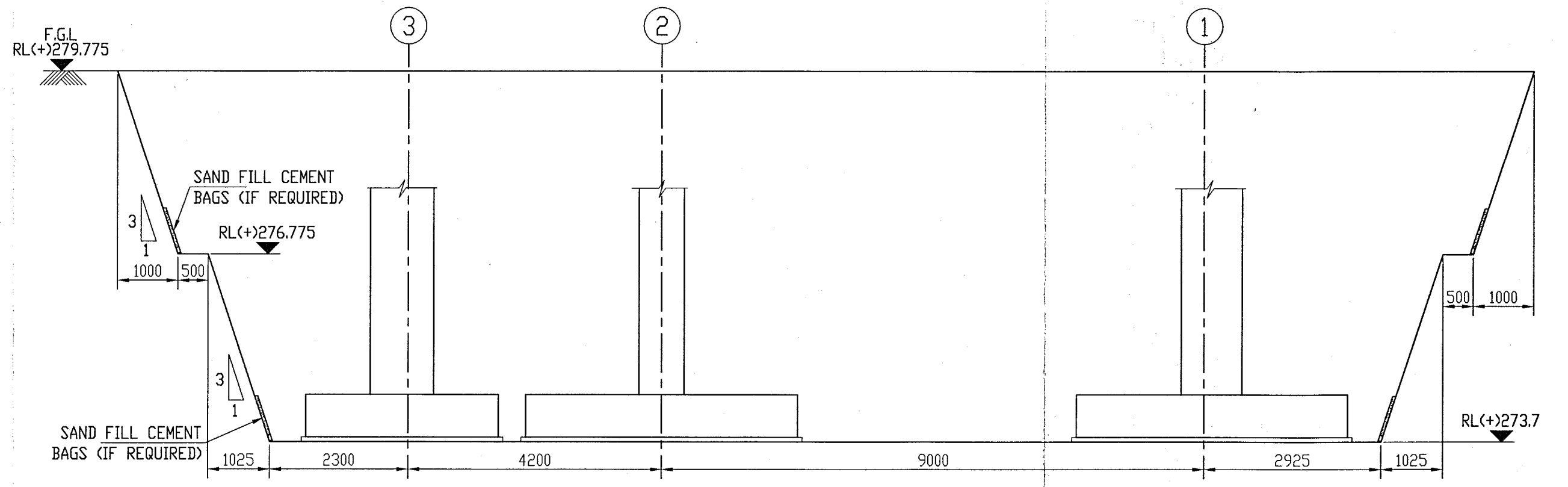
SL. NO.	REVISION	DATE	BY	CHKD	APPD
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1	GENERALLY REVISED	10.07.12	SPS	SPS	SPS
	RELEASED FOR		DRAWN	CHECK	APPROVED
			UTILITY		



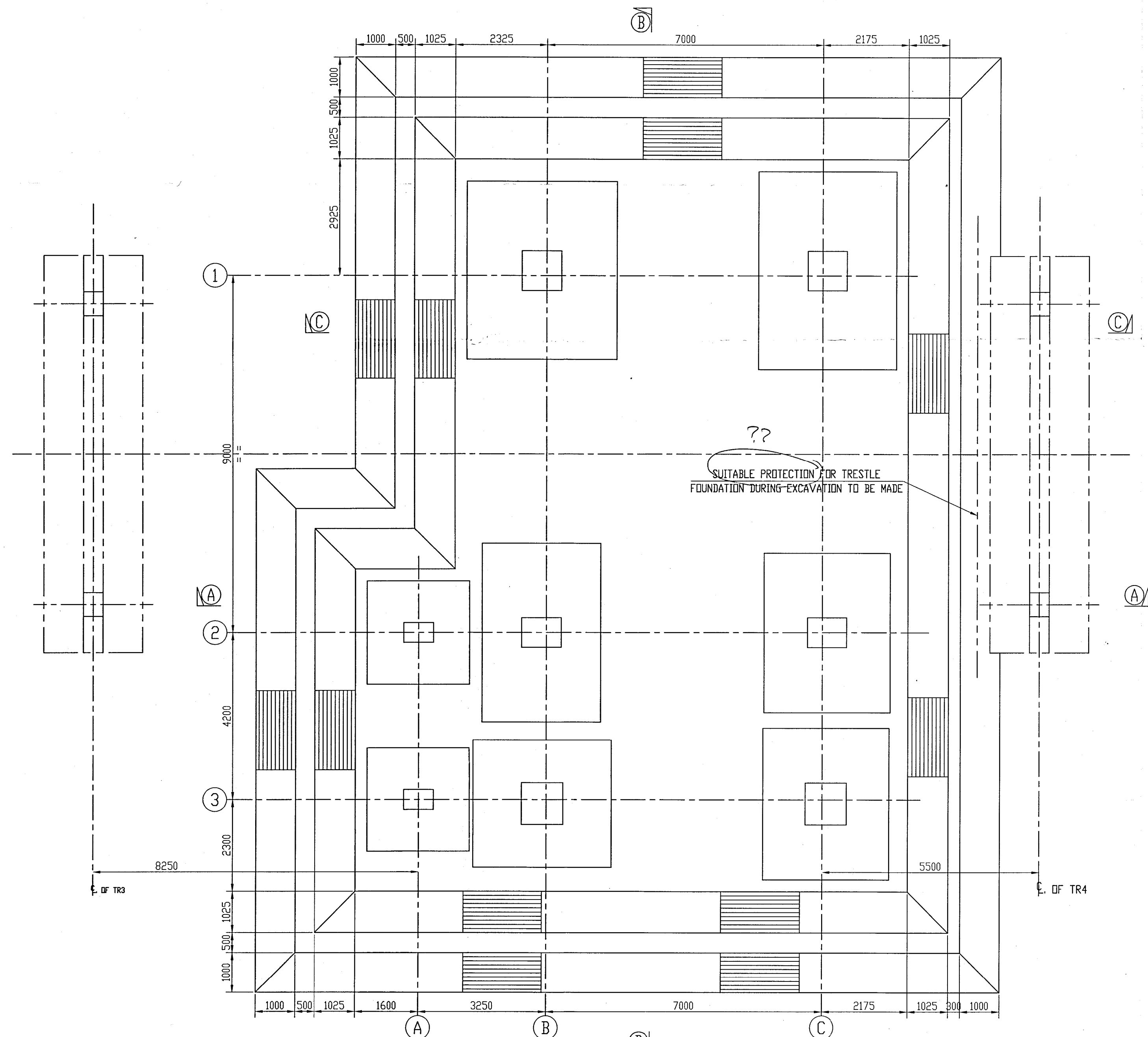
24/11/22



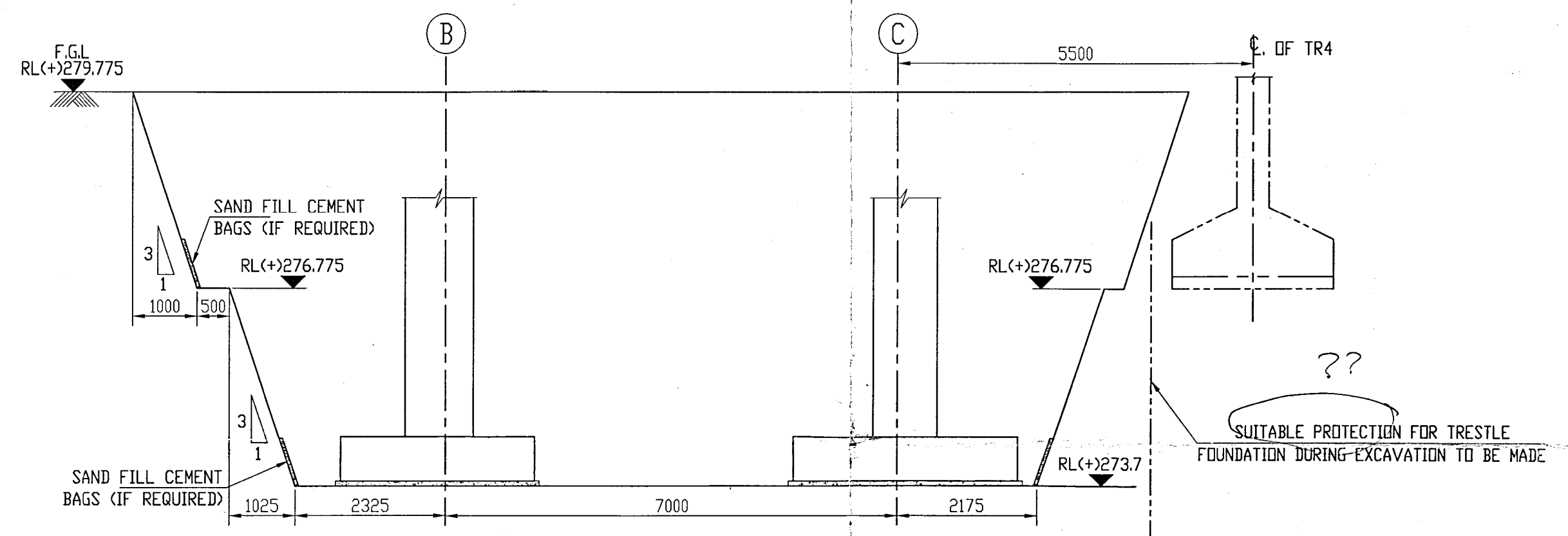
SECTION A-A



SECTION B-B



EXCAVATION PLAN



SECTION C-C

QUANTITY OF SOIL	
1962	M3

NOTES:-
 1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN M UNLESS OTHERWISE MENTIONED.
 2. RL(+279.775) LEVEL CORRESPONDS TO FINISHED GROUND LEVEL.
 3. THE NET SAFE BEARING CAPACITY OF SOIL HAS BEEN CONSIDERED AS 26.6 T/SQM. AT 6 METER FROM F.G.L.

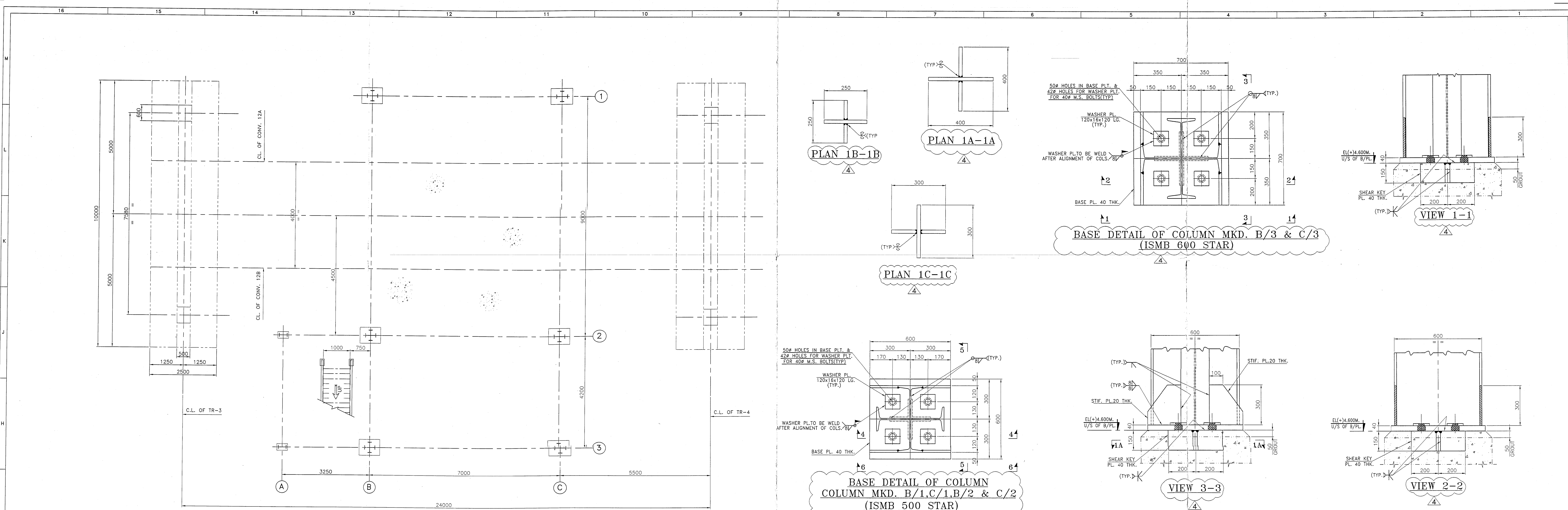
Approved in CAT-II
 28/11/12
 28/11/12

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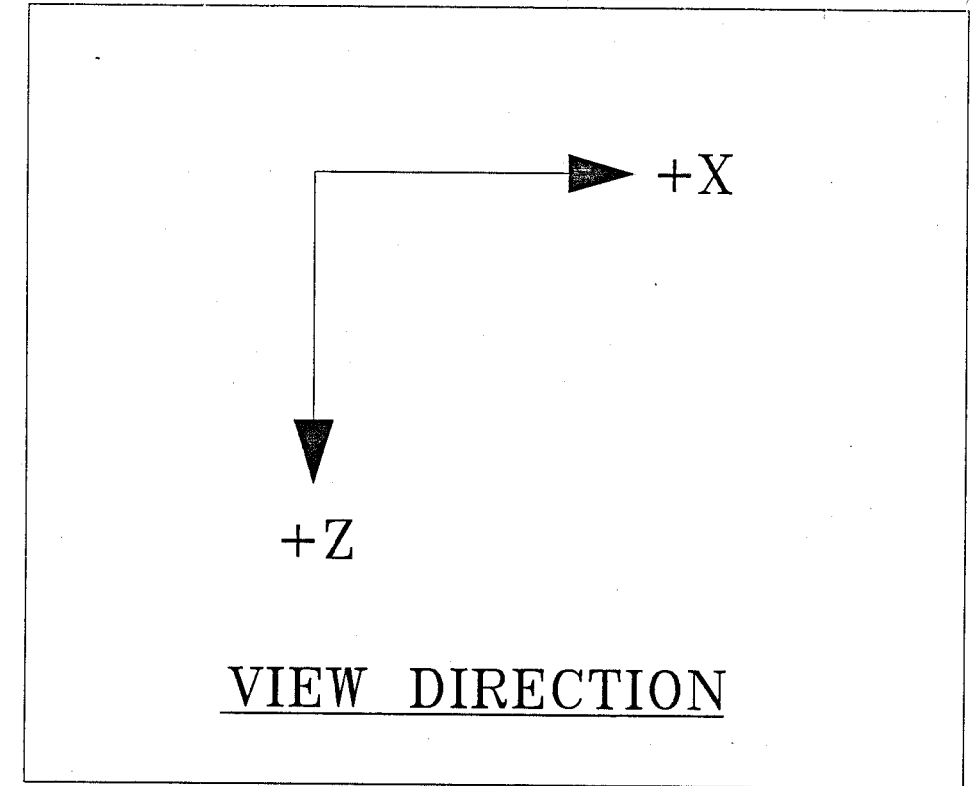
SL. NO.	RELEASED FOR	DRAWN	CHECK	APPROVED	DATE	UTILITY
2	GENERALLY REVISED	SPS	SPS	SPS	18.07.12	MECHANICAL
1	GENERALLY REVISED	SPS	SPS	SPS	10.07.12	ELECTRICAL & INSTRUMENTATION

CHECKED BY	SIGN	DATE
ARCHITECTURE		
CIVIL & STRUCTURAL		
MECHANICAL		
ELECTRICAL & INSTRUMENTATION		
UTILITY		

PROJECT :		SINGRAULI SUPER THERMAL POWER STATION COAL SAMPLER SYSTEM IN CHP-II	
CLIENT :	NTPC Limited (A Government of India Enterprise)		
SUPPLIER / CONTRACTOR:	ADVANCED SYSTEMS SAMPLING PVT. LTD. KOLKATA		
JOB No. :	TITLE :		SCALE :
DESG. SKR. 10.06.12 DRWN. J.B. 10.06.12 CHKD. SKR. 10.06.12 APPD. SPS. 10.06.12	SAMPLING SYSTEM FOR CONV. 12 A&B EXCAVATION PLAN & SECTIONS		1:50 PROJECTION
DRG. No.	ASSPL-GA-CIVL-0148-4-4		SHEET 4 OF 4
RELEASED FOR	<input type="checkbox"/> PRELIMINARY <input type="checkbox"/> TENDER <input type="checkbox"/> INFORMATION <input checked="" type="checkbox"/> APPROVAL <input type="checkbox"/> CONSTRUCTION		



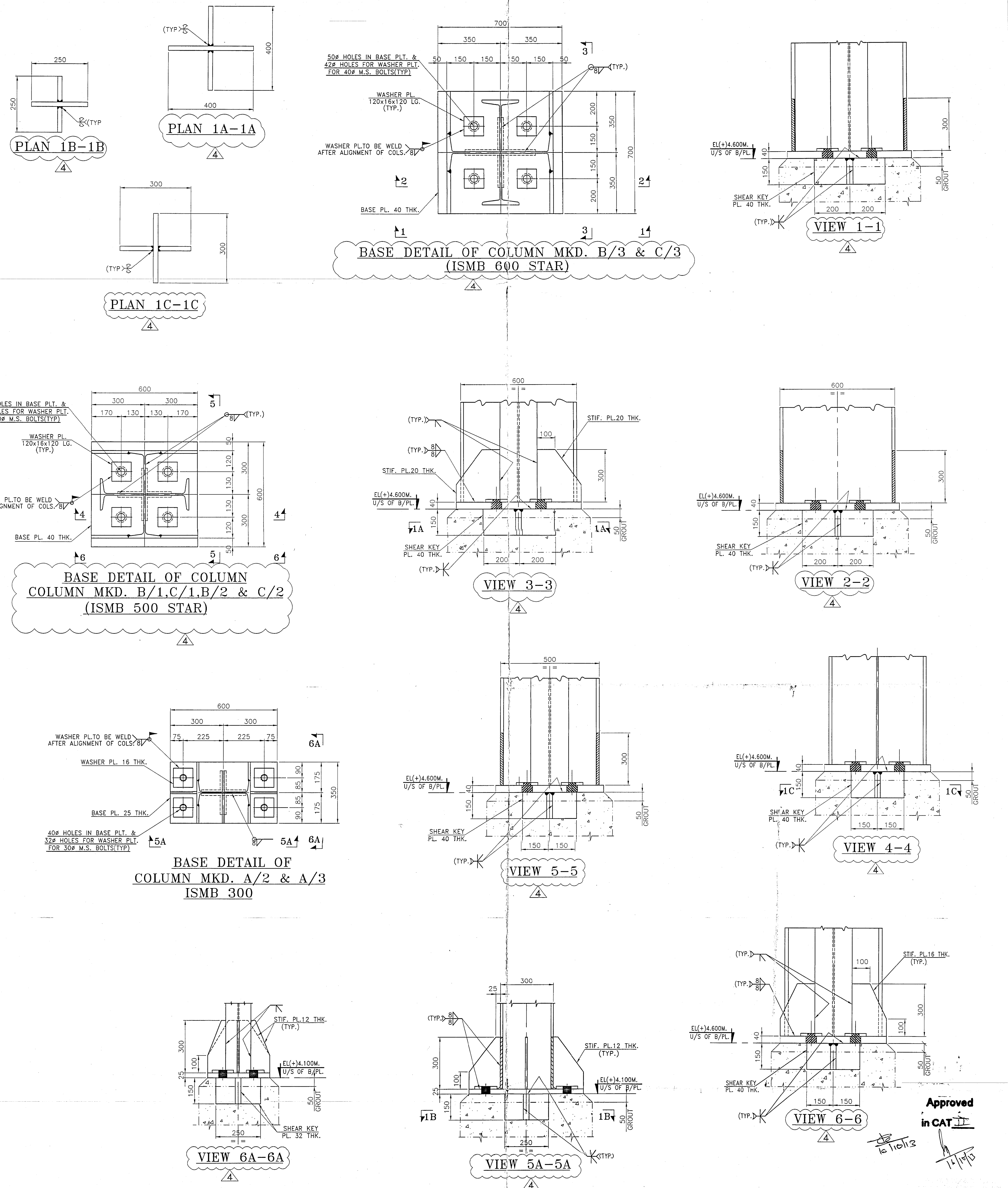
PLAN AT LEVEL EL+4.275



COLM MKD	NODE NUMBER	LOAD DATA FOR SAMPLING SYSTEM AT U/S OF BASE PLATE LEVEL									
		VERTICAL			INDUCED VERTICAL LOAD ALONG Z	HORIZONTAL ALONG Z		INDUCED VERTICAL LOAD ALONG X	HORIZONTAL ALONG X		
		DL	LL	EQUIP LOAD	WIND Z	EQUIP LOAD	WIND	WIND +X	EQUIP LOAD	WIND	
B1	1	110	33	-12	+/-28	+/-1	+/-12	+/-64	+/-3	+/-14	
C1	2	108	29	11	+/-24	+/-0.5	+/-10	+/-62	+/-3	+/-14	
B2	3	127	52	4	+/-22	+/-1	+/-11	+/-5	+/-0.5	+/-5	
C2	4	107	42	5	+/-11	+/-0.5	+/-8	+/-7	+/-0.5	+/-5	
B3	5	98	27	-2	+/-3	+/-0.5	+/-3	+/-22	+/-1	+/-7	
C3	6	114	20	3	+/-15	+/-0.5	+/-2	+/-20	+/-1	+/-7	
A2	7	9	4	-1	+/-19	+/-0.5	+/-4	+/-5	+/-0.5	+/-1	
A3	8	6.5	3	-1	+/-19	+/-0.5	+/-4	+/-1.5	+/-0.5	+/-1.5	

WELDING NOTES:
 1. WELDING SYMBOLS USED AS PER IS:813
 > SINGLE BEVEL BUTT WELD
 V SINGLE V BUTT WELD
 F FILLET WELD
 U SINGLE U BUTT WELD
 2. WELDING TO BE DONE BY MANUAL ARC WELDING PROCEDURE AS PER IS: 816
 PER S.A.P.

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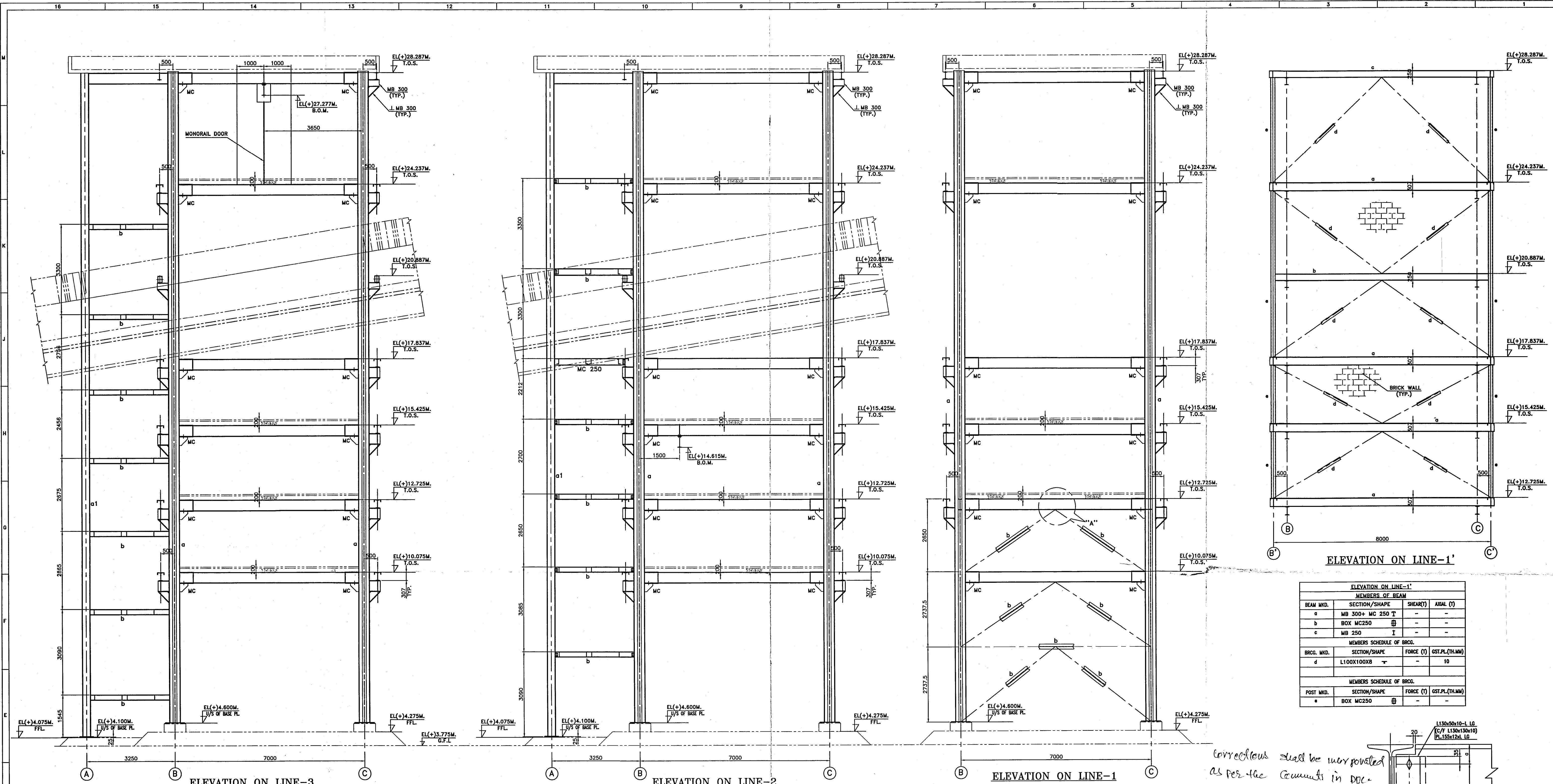
- GENERAL NOTES:**
 1. EL(+30.00 M. LEVEL REFERS TO ABSOLUTE LEVEL OF (+)276.0 M.
 2. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN M.
 3. ALL ELEVATIONS SHOWN ARE TOP OF FINISHED FLOOR LEVEL.
 4. ALL CIVIL / STRUCTURAL ARRANGEMENT SHOWN IN THIS DRAWING ARE INDICATIVE ONLY.
 5. READ THIS DRAWING IN CONJUNCTION WITH DWG. NO. ASSPL-SYS-STRL-0148-2-5, 3-5, 4-5, 5-5.
 6. THIS DRG. IS BASED ON MECHANICAL G.A. DRG. NO. ASSPL-MECH-STRL-0148-1-2, ASSPL-MECH-STRL-0148-2-2

4	REVISED AS MKD. A	CADT.	S.BASU	S.GHOSH	12.07.13	ARCHITECTURE
5	REVISED AS MKD. A	CADT.	S.BASU	S.GHOSH	26.04.13	CIVIL & STRUCTURAL
2	REVISED AS PER NTPC COMMENTS.	CADT.	S.BASU	S.GHOSH	19.10.12	MECHANICAL
1	GENERALLY REVISED					ELECTRICAL & INSTRUMENTATION
SL. NO.	RELEASED FOR	DRAWN	CHECK	APPROVED	DATE	UTILITY

CHECKED BY		SIGN	DATE
SIGNATURE			

PROJECT :		SINGRAULI SUPER THERMAL POWER STATION COAL SAMPLER SYSTEM IN CHP-II	
CLIENT :		NTPC Limited (A Government of India Enterprise)	
SUPPLIER / CONTRACTOR :		ADVANCED SYSTEMS SAMPLING PVT. LTD. KOLKATA	
JOB No. :		ASSPL-SYS-STRL-0148-1-5	
TITLE :		STRUCTURAL G.A. & LOAD DATA FOR SAMPLING TOWER FOR SAMPLING SYSTEM ON CONV. 12AB	
SCALE :		1:50	
PROJECTION :		FIRST ANGLE	
DRG. No. :		ASSPL-SYS-STRL-0148-1-5	
SHEET 1 OF 5		REV. 1	
RELEASED FOR		<input type="checkbox"/> PRELIMINARY <input type="checkbox"/> TENDER <input type="checkbox"/> INFORMATION <input checked="" type="checkbox"/> APPROVAL <input type="checkbox"/> CONSTRUCTION	

Approved
in CAT
16/10/12



ELEVATION ON LINE-1'

MEMBERS OF BEAM			
BEAM MKD.	SECTION/SHAPE	SHEAR(T)	AXIAL (T)
a	MB 300+ MC 250 T	-	-
b	BOX MC250	-	-
c	MB 250	-	-

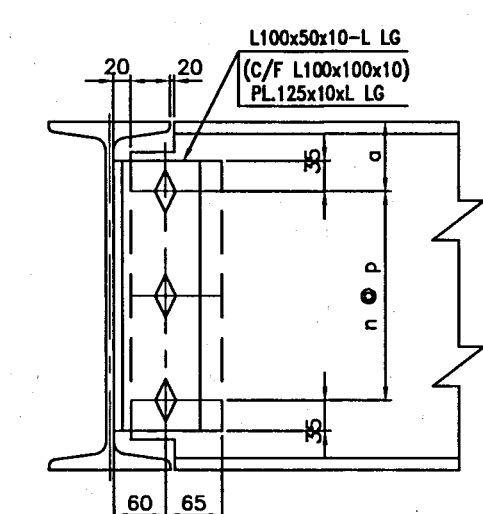
MEMBERS SCHEDULE OF BRG.			
BRG. MKD.	SECTION/SHAPE	FORCE (T)	GST.PL.(TH.MM)
d	L100X100XB	-	10

MEMBERS SCHEDULE OF BRG.			
POST MKD.	SECTION/SHAPE	FORCE (T)	GST.PL.(TH.MM)
e	BOX MC250	-	-

ELEVATION ON LINE-3

MEMBERS FOR COLUMN			
COLUMN MKD.	SECTION/SHAPE	SHEAR(T)	AXIAL (T)
a	MB 600	-	-
a1	MB 300	-	-

MEMBERS SCHEDULE OF BEAM			
BEAM MKD.	SECTION/SHAPE	FORCE (T)	AXIAL (T)
b	MB 250	-	-



TYP. SHEAR CONNECTION DETAIL (BEAM UPTO MB400) (REF. TABLE-1)

ELEVATION ON LINE-2

MEMBERS FOR COLUMN			
COLUMN MKD.	SECTION/SHAPE	SHEAR(T)	AXIAL (T)
a	MB 500	-	-
a1	MB 300	-	-

MEMBERS SCHEDULE OF BEAM			
BEAM MKD.	SECTION/SHAPE	FORCE (T)	AXIAL (T)
b	MB 250	-	-

ELEVATION ON LINE-1

MEMBERS FOR COLUMN			
COLUMN MKD.	SECTION/SHAPE	SHEAR(T)	AXIAL (T)
a	MB 500	-	-

MEMBERS SCHEDULE OF BRG.			
BRG. MKD.	SECTION/SHAPE	FORCE (T)	GST.PL.(TH.MM)
b	L110X110XI	-	10

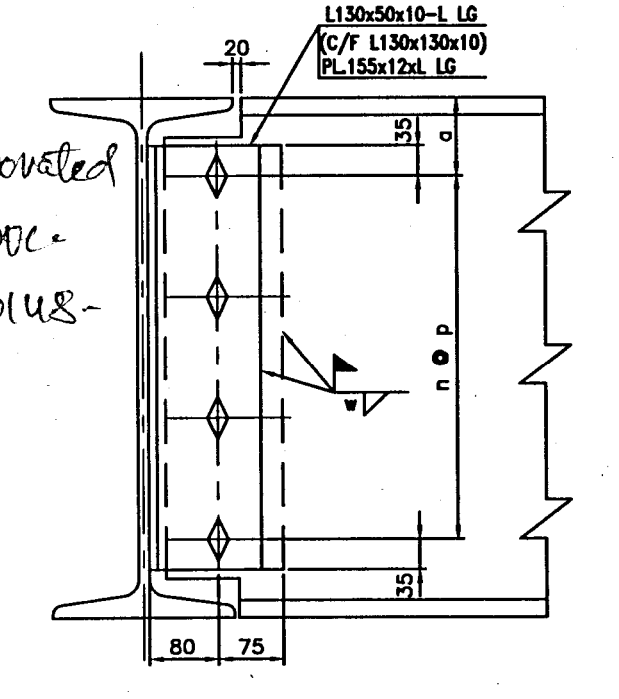
NOTES:
MC- INDICATED MOMENT CONNECTION

- NOTES:
- EL.(+4.000 M. LEVEL REFERS TO ABSOLUTE LEVEL OF (+)276.0 M.
 - ALL DIMENSIONS ARE IN MM & LEVELS ARE IN M.
 - ALL ELEVATIONS SHOWN ARE TOP OF FINISHED FLOOR LEVEL.
 - ALL CIVIL / STRUCTURAL ARRANGEMENT SHOWN IN THIS DRAWING ARE INDICATIVE ONLY.
 - READ THIS DRAWING IN CONJUNCTION WITH DWG. NO. ASSPL-SYS-STRL-0148-1-5, 3-5, 4-5, 5-5.
 - THIS DRG. IS BASED ON MECHANICAL G.A. DRG. NO. ASSPL-MECH-STRL-0148-1-2, ASSPL-MECH-STRL-0148-2-2

Corrections shall be incorporated as per the comments in Doc. No. ASSPL-DWG-STRL-0148-1-1, R-2.

Approved in CAT-II

25/3/13
29/3/13



TYP. SHEAR CONNECTION DETAIL FOR MB450, MB500 & MB600 (REF. TABLE-2)

TABLE-2

SECTION	a	n	p	l	w
MB500	90	2	160	390	8
MB600	90	3	140	490	8

PROJECT : SINGRAULI SUPER THERMAL POWER STATION COAL SAMPLER SYSTEM IN CHP-II

CLIENT : **NTPC Limited** (A Government of India Enterprise)

SUPPLIER / CONTRACTOR : **ADVANCED SYSTEMS SAMPLING PVT. LTD.** KOLKATA

JOB No. : **ASSPL-SYS-STRL-0148-2-5** TITLE : **STRUCTURAL G.A. & ELEVATION ON LINE 1.1' 2&3 FOR SAMPLING TOWER FOR SAMPLING SYSTEM ON CONV. 12A&B** SCALE : 1:50

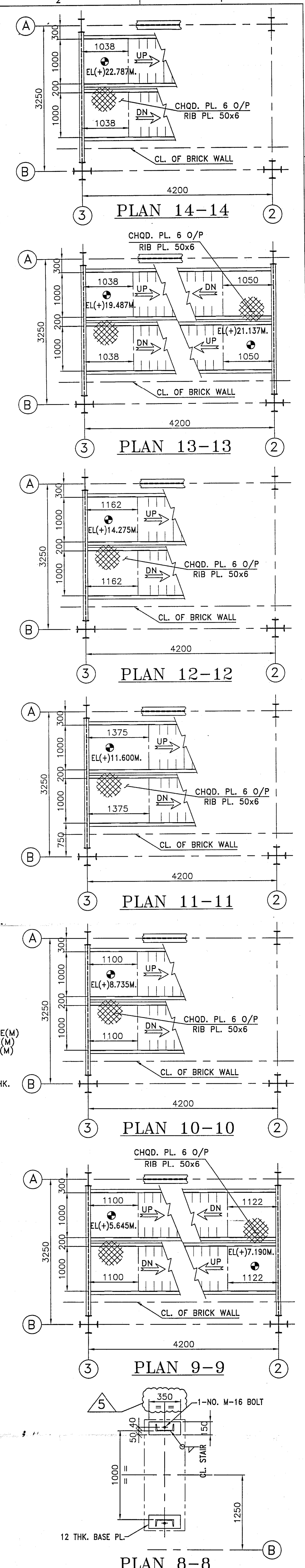
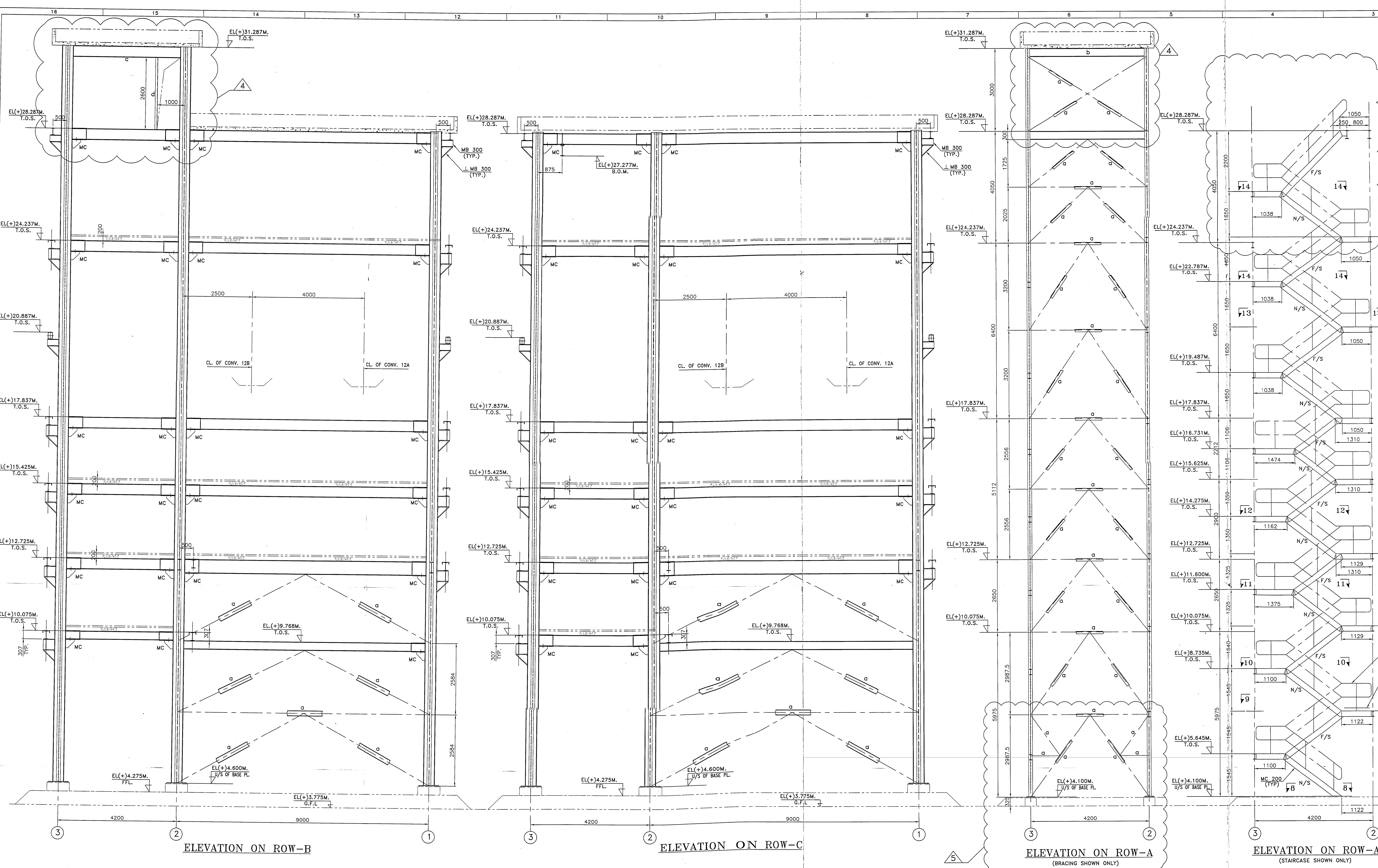
DRG. No. : **ASSPL-SYS-STRL-0148-2-5** SHEET 2 OF 5

RELEASED FOR : ☐ PRELIMINARY ☐ TENDER ☐ INFORMATION ☒ APPROVAL ☐ CONSTRUCTION

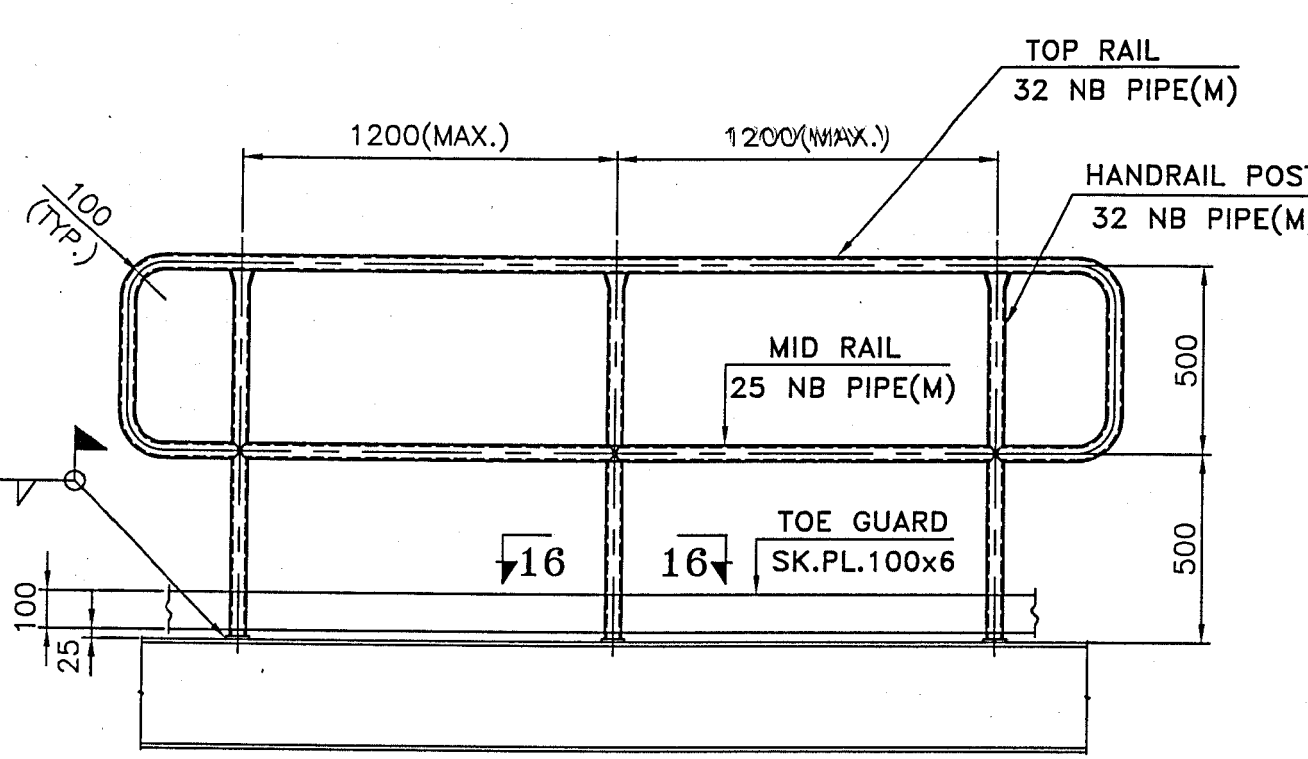
CHECKED BY	SIGN	DATE
ARCHITECTURE		
CIVIL & STRUCTURAL		
MECHANICAL		
ELECTRICAL & INSTRUMENTATION		
UTILITY		

NO.	REVISION	DATE	BY	CHKD.	APPD.
2	REVISED AS PER NTPC COMMENTS.	19.10.12	S.BASU	S.GHOSH	
1	GENERALLY REVISED				

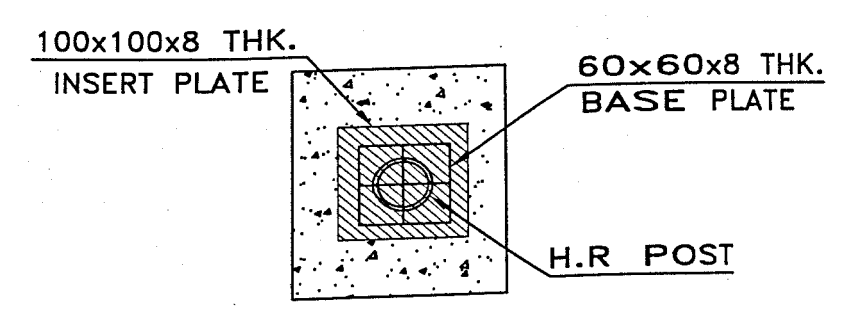
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ELEVATION ON ROW-B			
MEMBERS SCHEDULE OF BRCC.			
BRCC. MKD.	SECTION/SHAPE	FORCE (T)	OST.PL.(TH.MM)
a	ISMC 150	-	10
b	L75X75X6	-	10
c	MB-300	-	-
d	MC-200	-	-



ELEVATION ON ROW-C			
MEMBERS SCHEDULE OF BRCC.			
BRCC. MKD.	SECTION/SHAPE	FORCE (T)	OST.PL.(TH.MM)
a	ISMC 150	-	10
b	L75X75X6	-	10



PLAN 16-16

ELEVATION ON ROW-A			
MEMBERS SCHEDULE OF BRCC.			
BRCC. MKD.	SECTION/SHAPE	FORCE (T)	OST.PL.(TH.MM)
a	ISMC 150	-	10
b	L75X75X6	-	10

NOTES:
 1. EL(+20.00 M. LEVEL REFERS TO ABSOLUTE LEVEL OF (+)276.0 M.
 2. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN M.
 3. ALL ELEVATIONS SHOWN ARE TOP OF FINISHED FLOOR LEVEL.
 4. ALL CIVIL / STRUCTURAL ARRANGEMENT SHOWN IN THIS DRAWING ARE INDICATIVE ONLY.
 5. READ THIS DRAWING IN CONJUNCTION WITH DWG. NO. ASSPL-SYS-STRL-0148-1-5, 2-5, 4-5, 5-5.
 6. THIS DRG. IS BASED ON MECHANICAL C.A. DRG. NO. ASSPL-MECH-STRL-0148-1-2, ASSPL-MECH-STRL-0148-2-2

Approved
 in CAT
 16/10/15

PROJECT : SINGRAULI SUPER THERMAL POWER STATION
 COAL SAMPLER SYSTEM IN CHP-II

CLIENT : **NTPC Limited**
 (A Government of India Enterprise)

SUPPLIER / CONTRACTOR: **ADVANCED SYSTEMS SAMPLING PVT. LTD.**
 KOLKATA

JOB No. : **ASSPL-SYS-STRL-0148-3-5**

TITLE : **STRUCTURAL G.A. & ELEVATION ON ROW A,B,C FOR SAMPLING TOWER FOR SAMPLING SYSTEM ON CONV. 12AB**

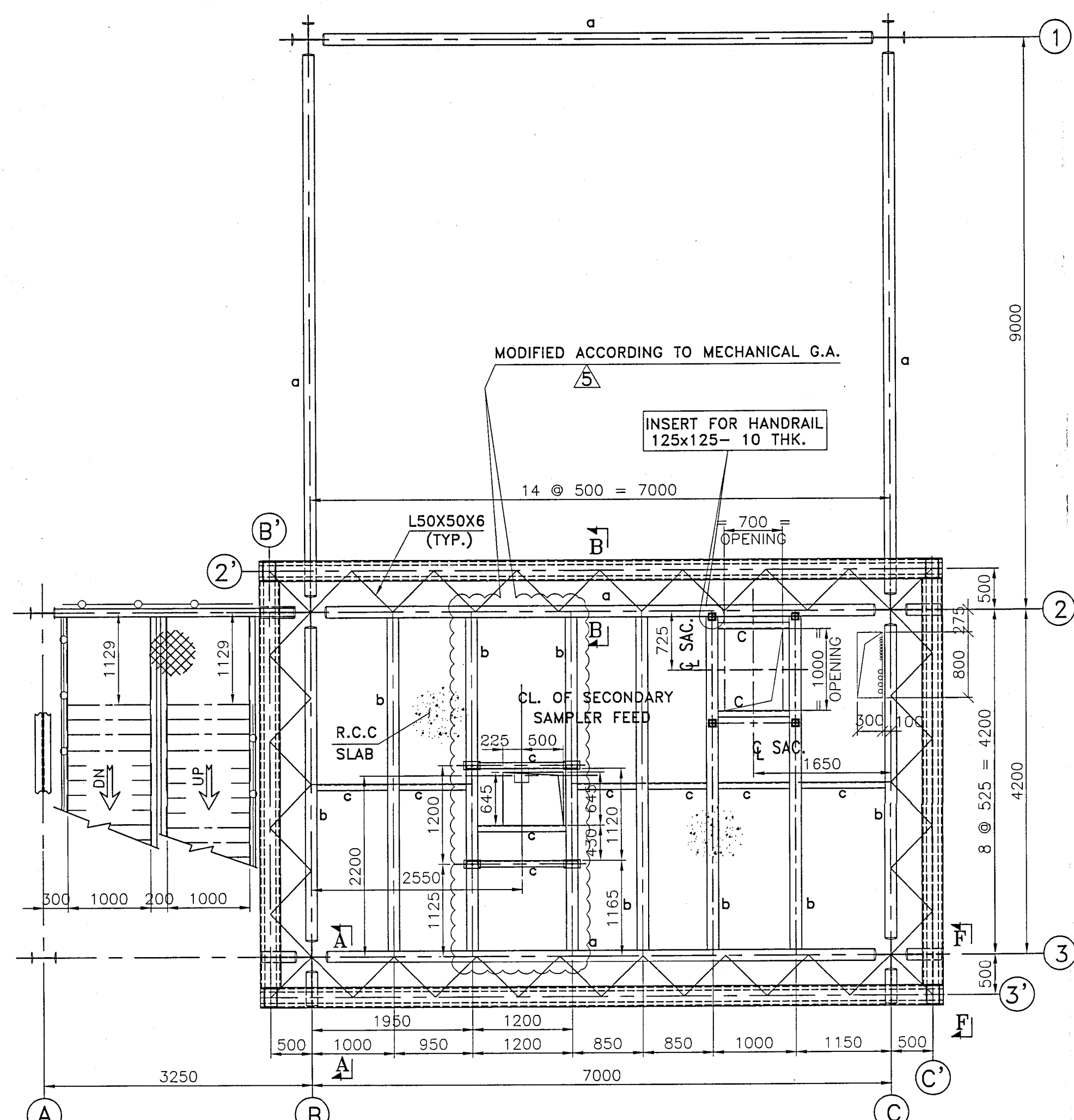
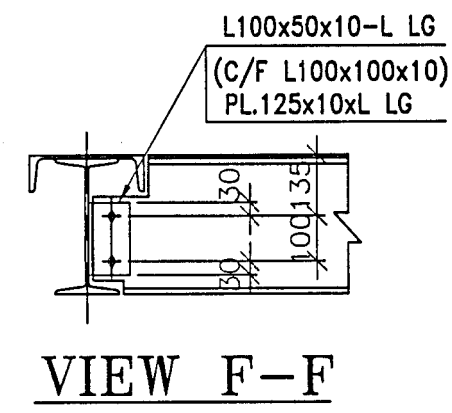
SCALE : 1:50

DRG. No. : **ASSPL-SYS-STRL-0148-3-5** SHEET 3 OF 5

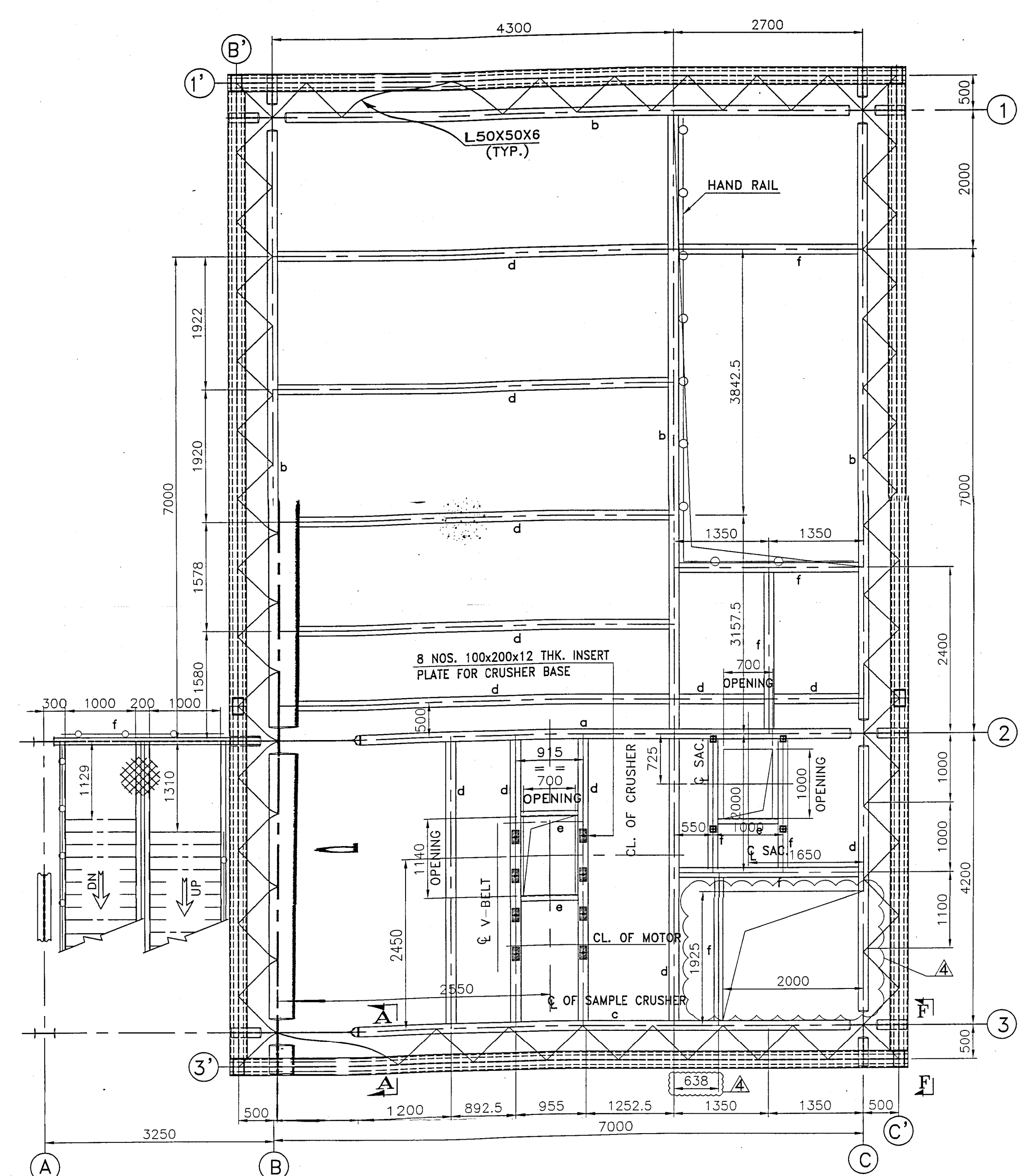
RELEASED FOR : ☐ PRELIMINARY ☐ TENDER ☐ INFORMATION ☒ APPROVAL ☐ CONSTRUCTION

NO.	REVISION	DATE	CADT.	S.BASU	S.GHOSH	CHECKED BY	SIGN	DATE
5	REVISED AS MKD. A	10.09.13	CADT.	S.BASU	S.GHOSH	25.04.13	ARCHITECTURE	
4	REVISED AS MKD. A	09.03.13	CADT.	S.BASU	S.GHOSH	19.10.12	CIVIL & STRUCTURAL	
3	REVISED AS PER NTPC COMMENTS.		CADT.	S.BASU	S.GHOSH		MECHANICAL	
2	REVISED AS PER NTPC COMMENTS.		CADT.	S.BASU	S.GHOSH		ELECTRICAL & INSTRUMENTATION	
1	GENERALLY REVISED		CADT.	S.BASU	S.GHOSH		UTILITY	

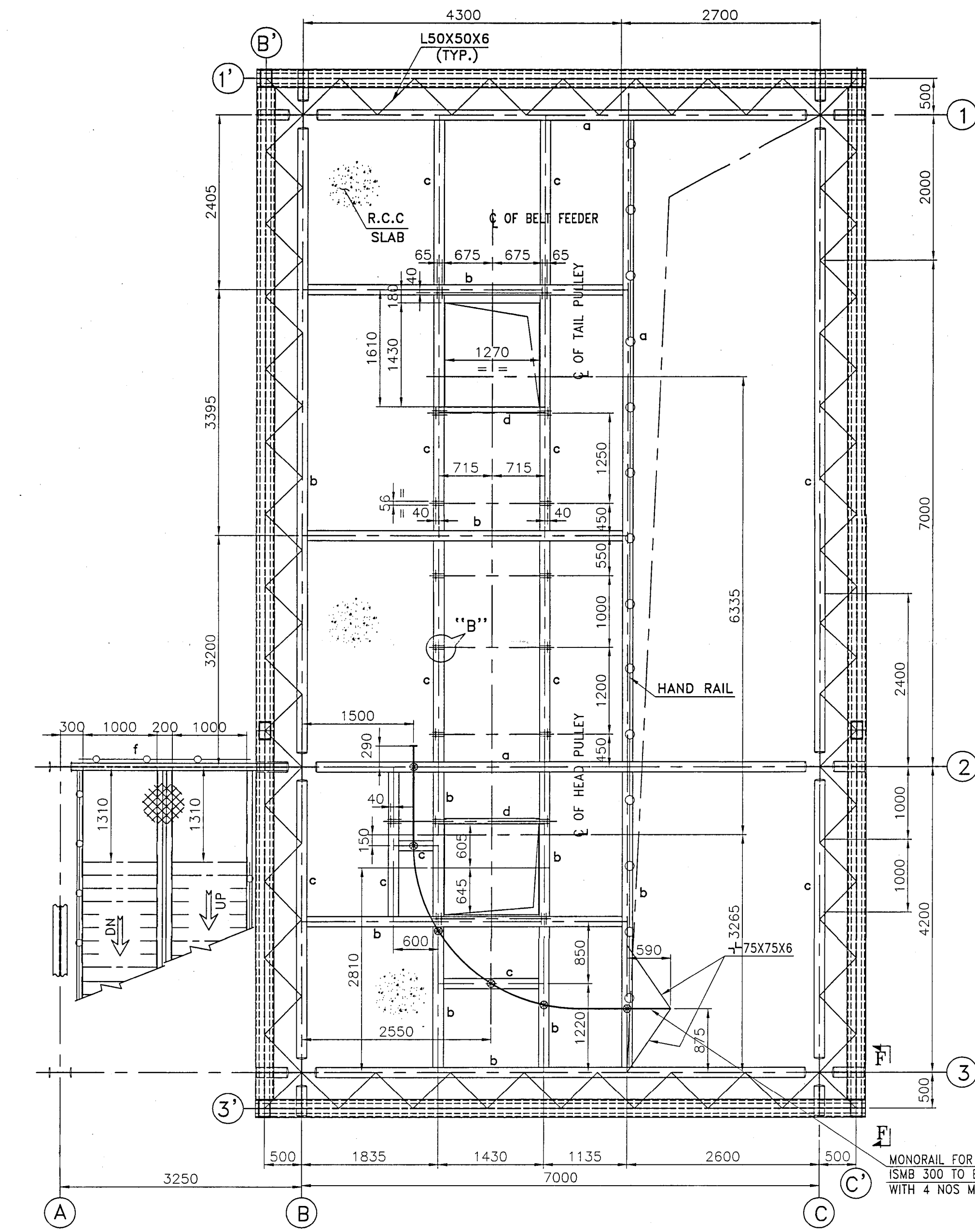
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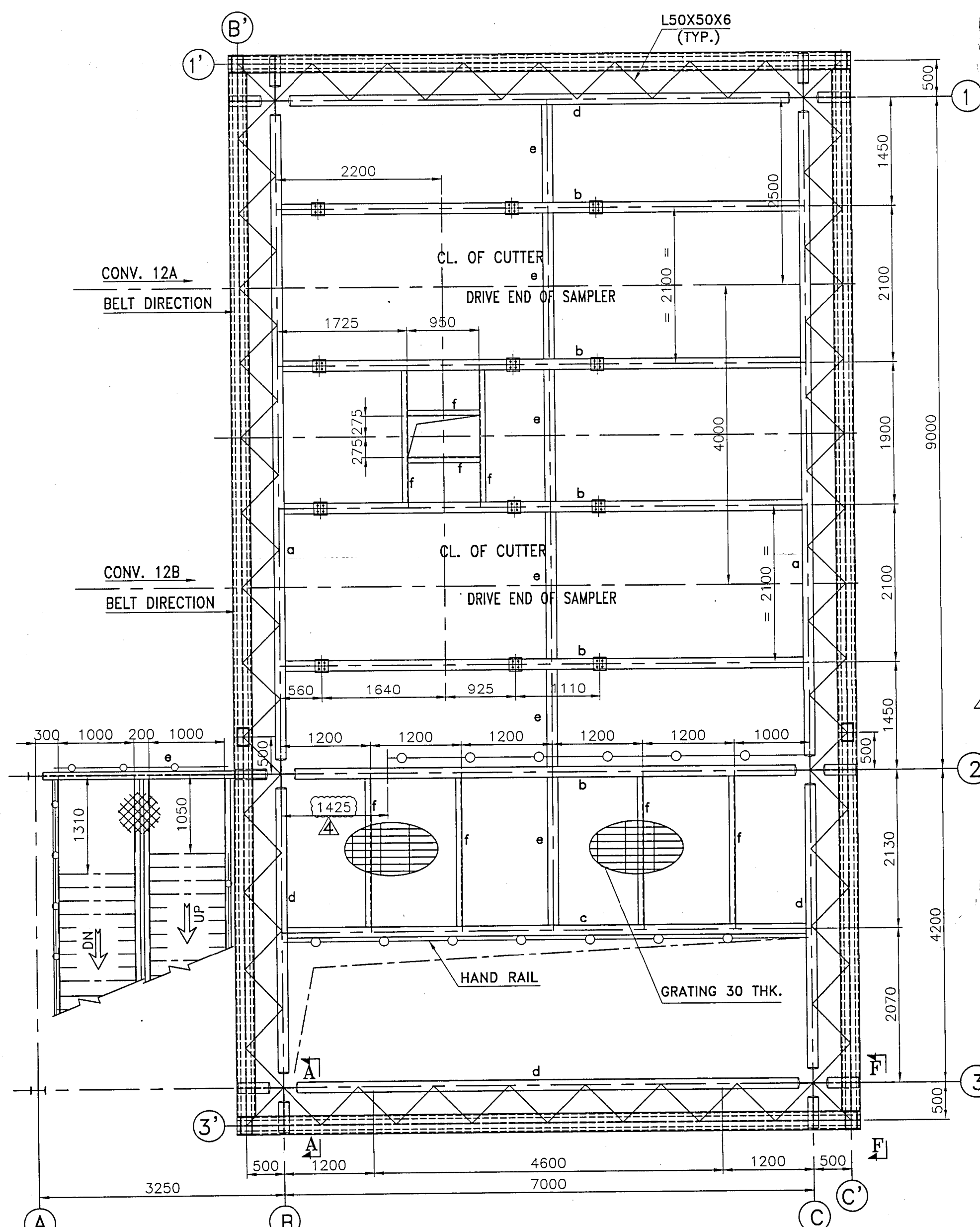
FLOOR AT EL+10.075 LEV. (T.O.S)
AND EL+10.275 LEV. (T.O.C)
(ALL FLOOR BRGG. L 50X50X6 & 155mm. BELOW FROM T.O.S)



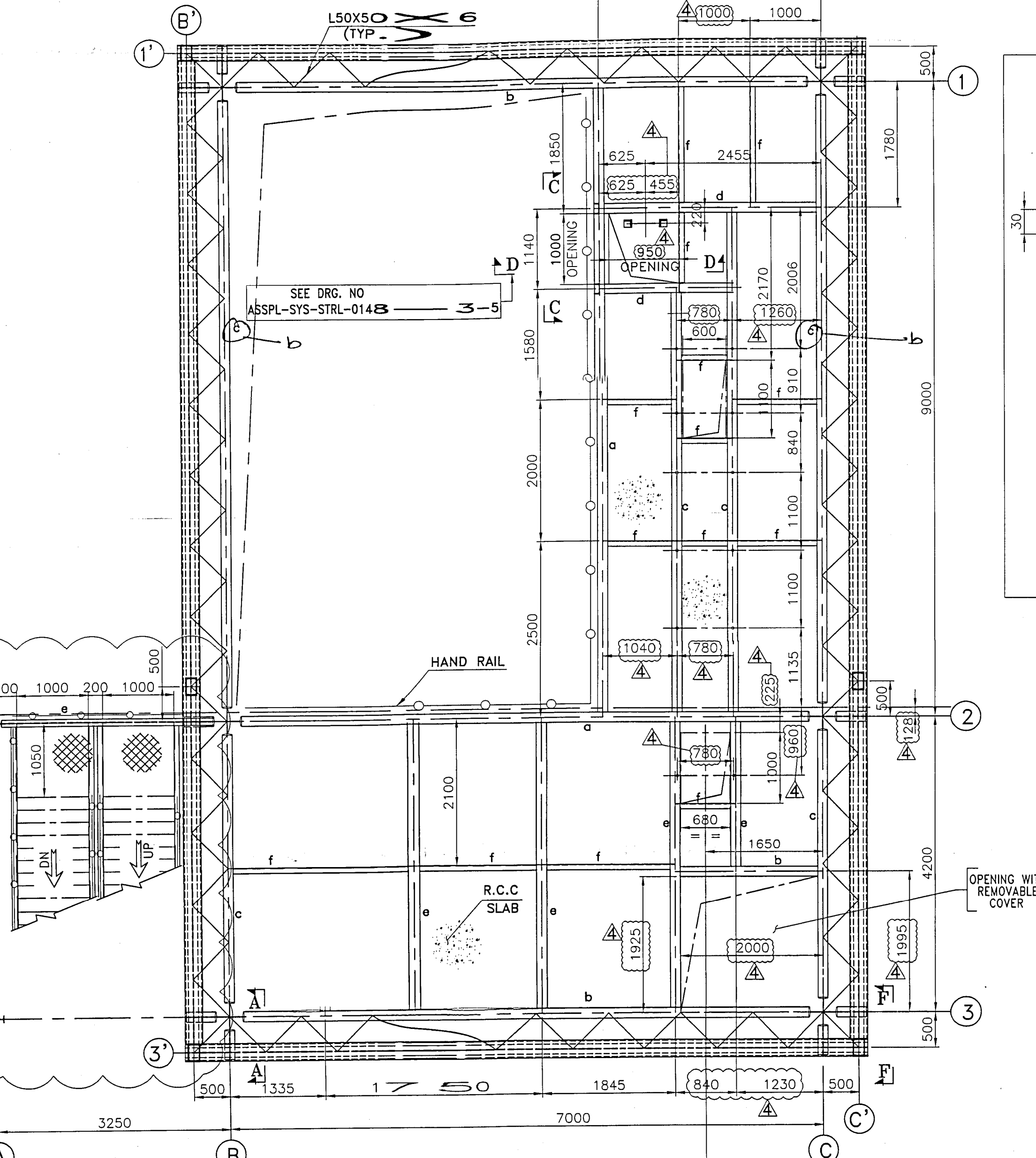
FLOOR AT EL+12.725 LEV. (T.O.S)
AND EL+12.925 LEV. (T.O.C)
(ALL FLOOR BRGG. L 50X50X6 & 155mm. BELOW FROM T.O.S)



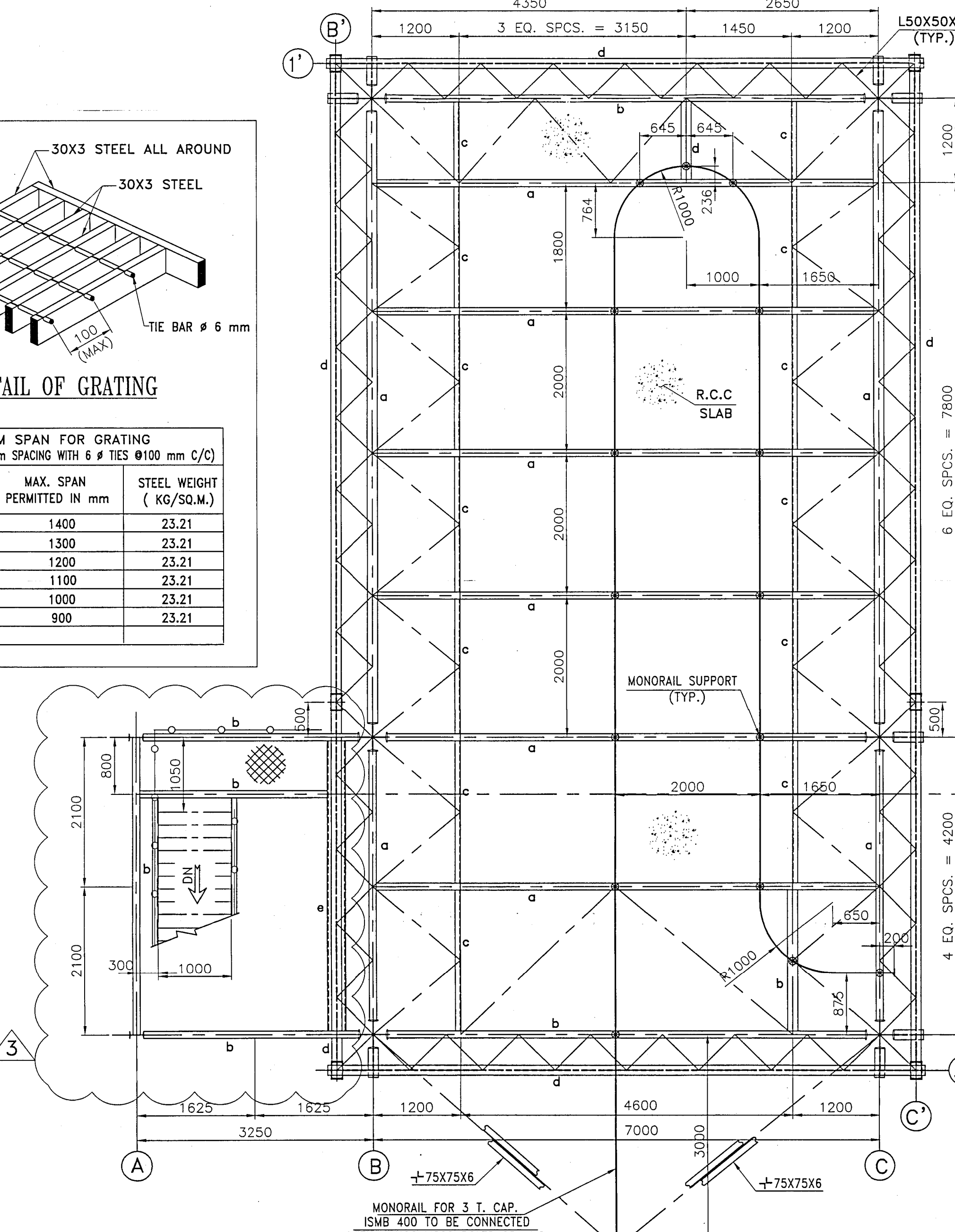
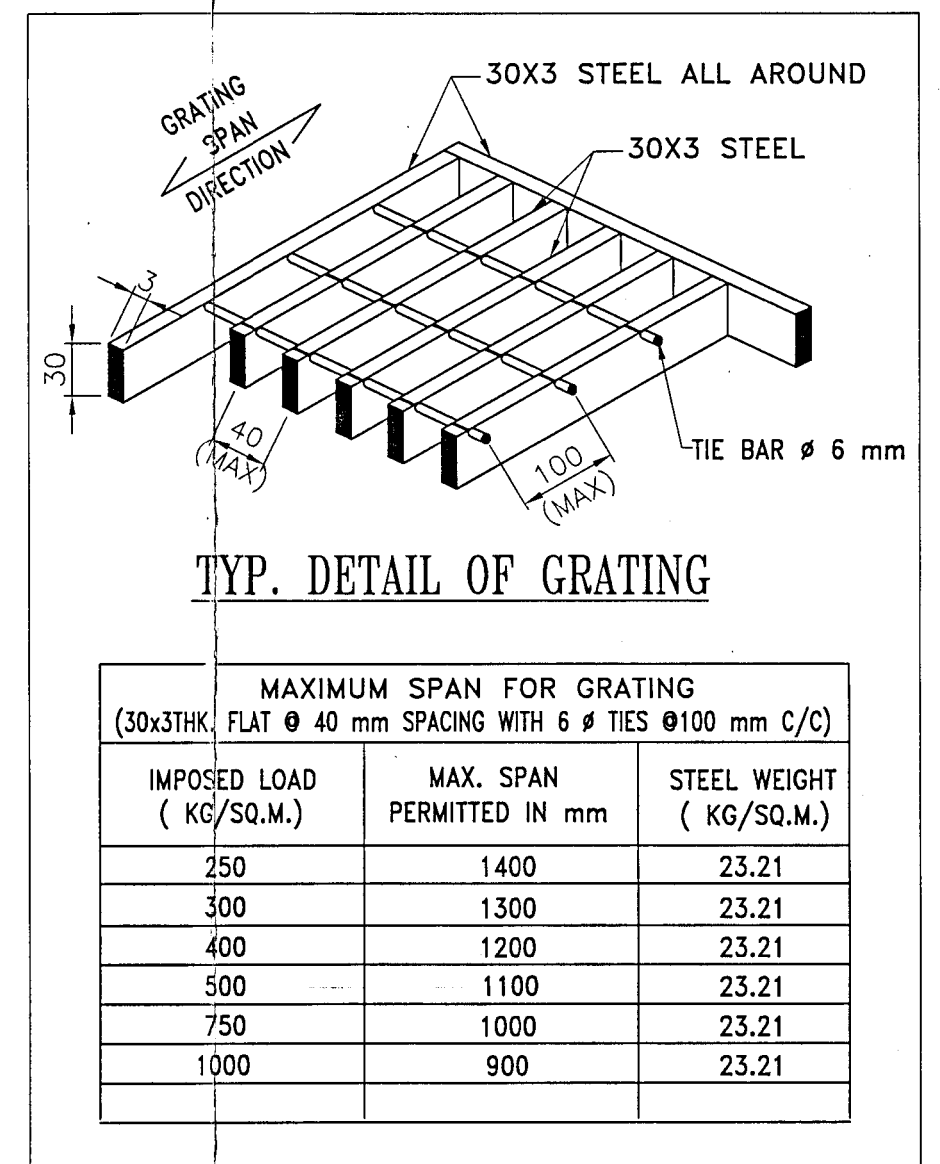
FLOOR AT EL+15.425 LEV. (T.O.S)
AND EL+15.625 LEV. (T.O.C)
(ALL FLOOR BRGG. L 50X50X6 & 155mm. BELOW FROM T.O.S)



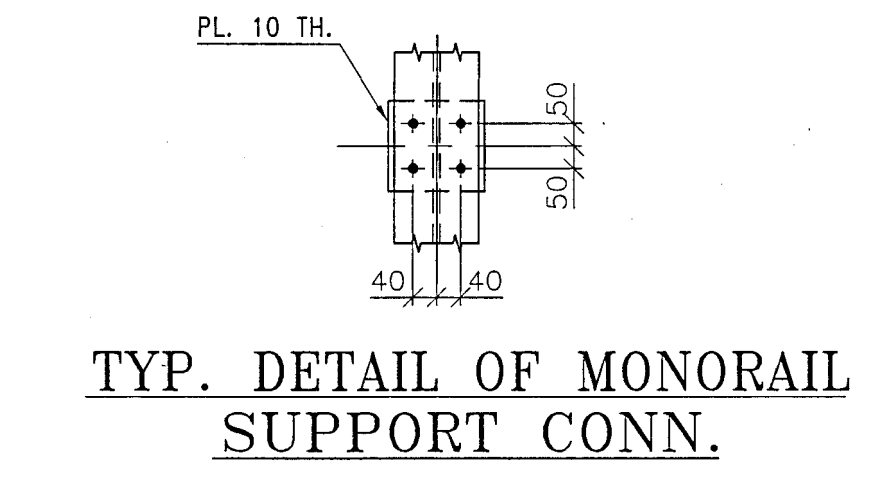
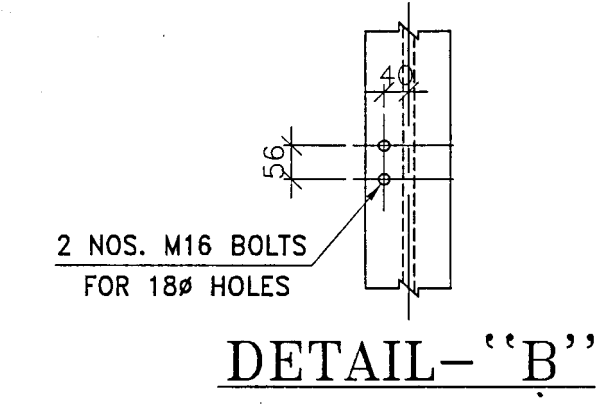
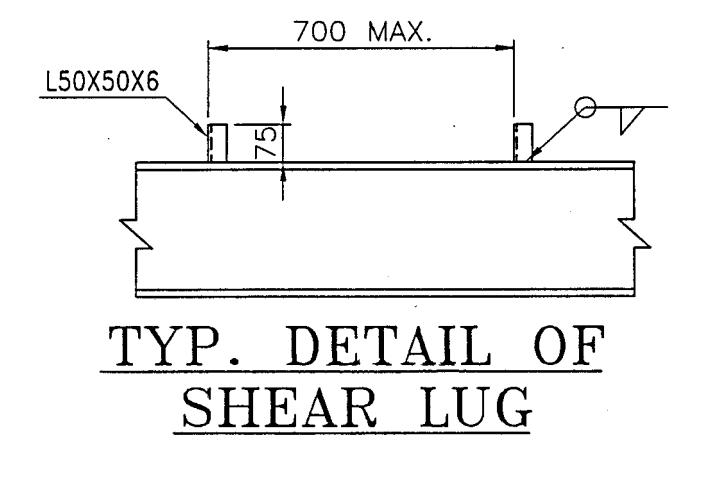
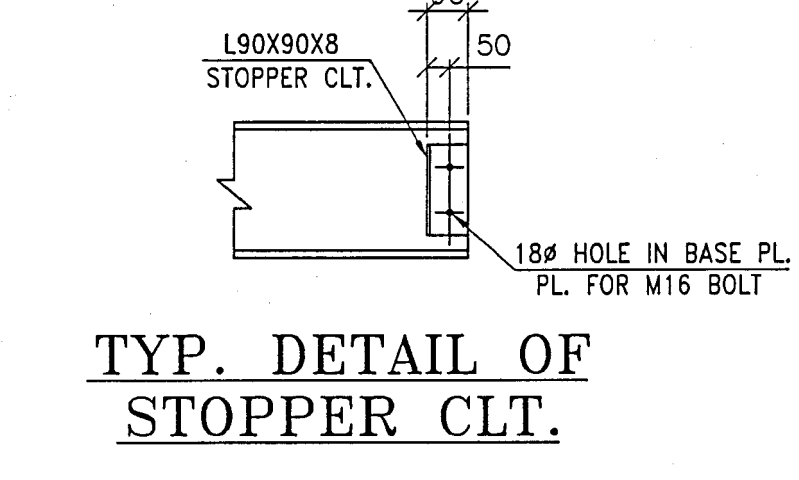
FLOOR AT EL+17.837 LEV. (T.O.S)
(ALL FLOOR BRGG. L 50X50X6 & 155mm. BELOW FROM T.O.S)



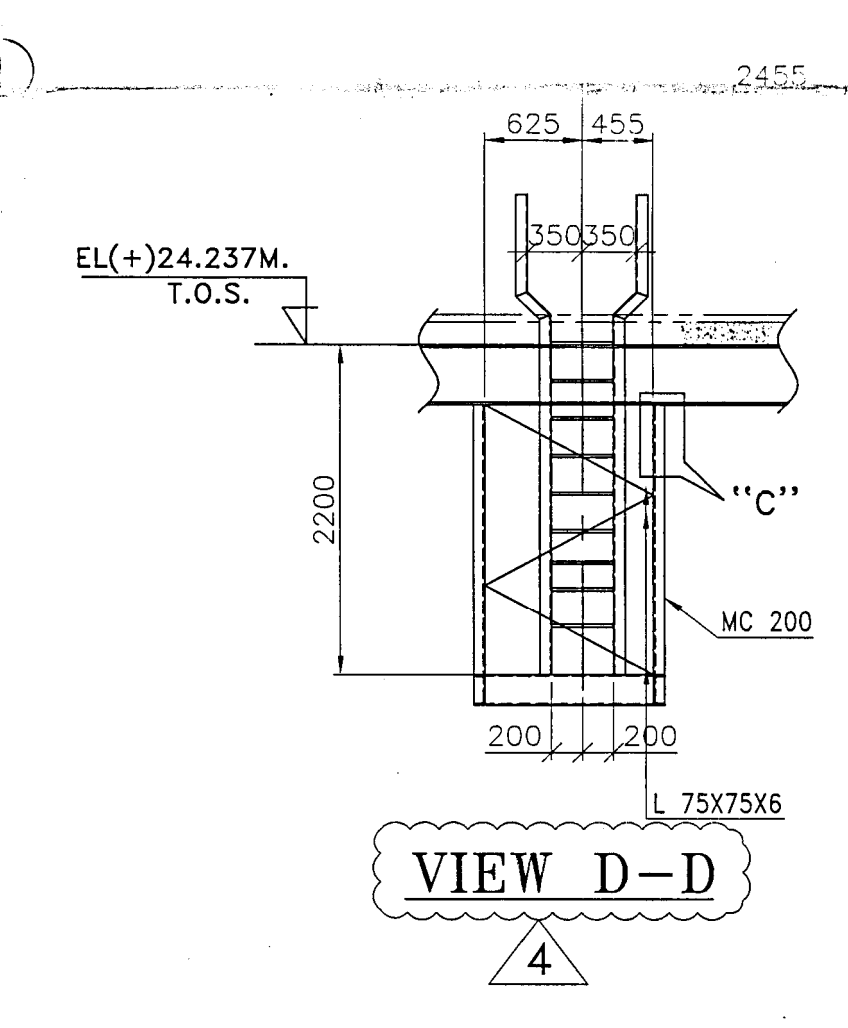
FLOOR AT EL+24.237 LEV. (T.O.S)
AND EL+4.437 LEV. (T.O.C)
(ALL FLOOR BRGG. L 50X50X6 & 155mm. BELOW FROM T.O.S)



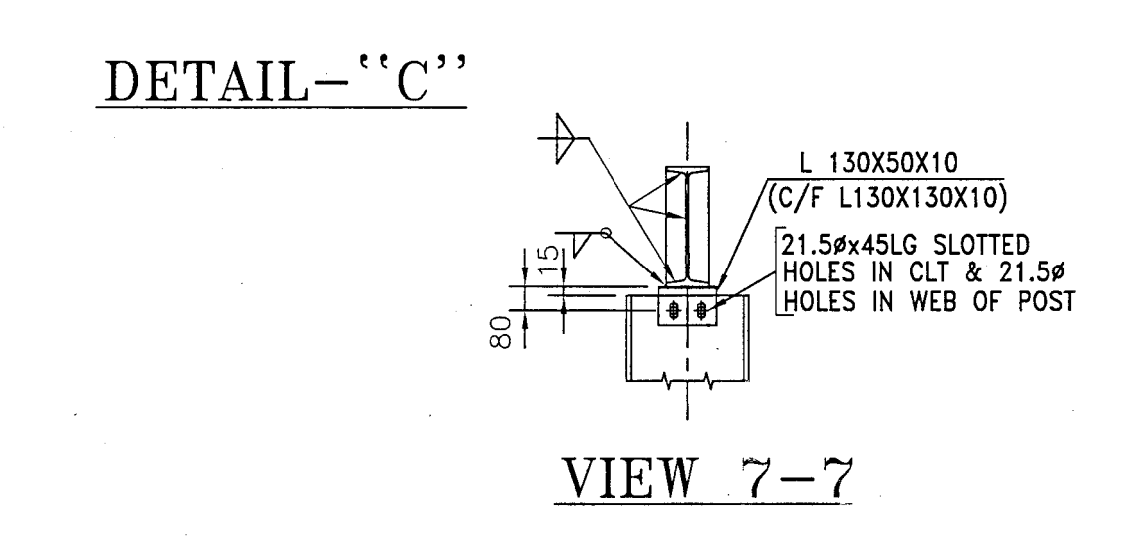
ROOF PLAN AT EL+28.287 LEV. (T.O.S)
(ALL FLOOR BRGG. L 65X65X6 & 100mm. BELOW FROM T.O.S)



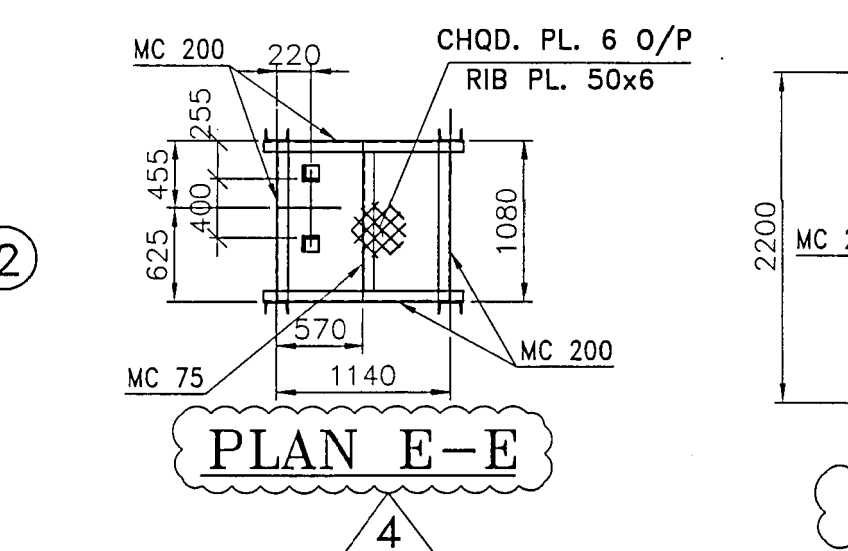
VIEW B-B



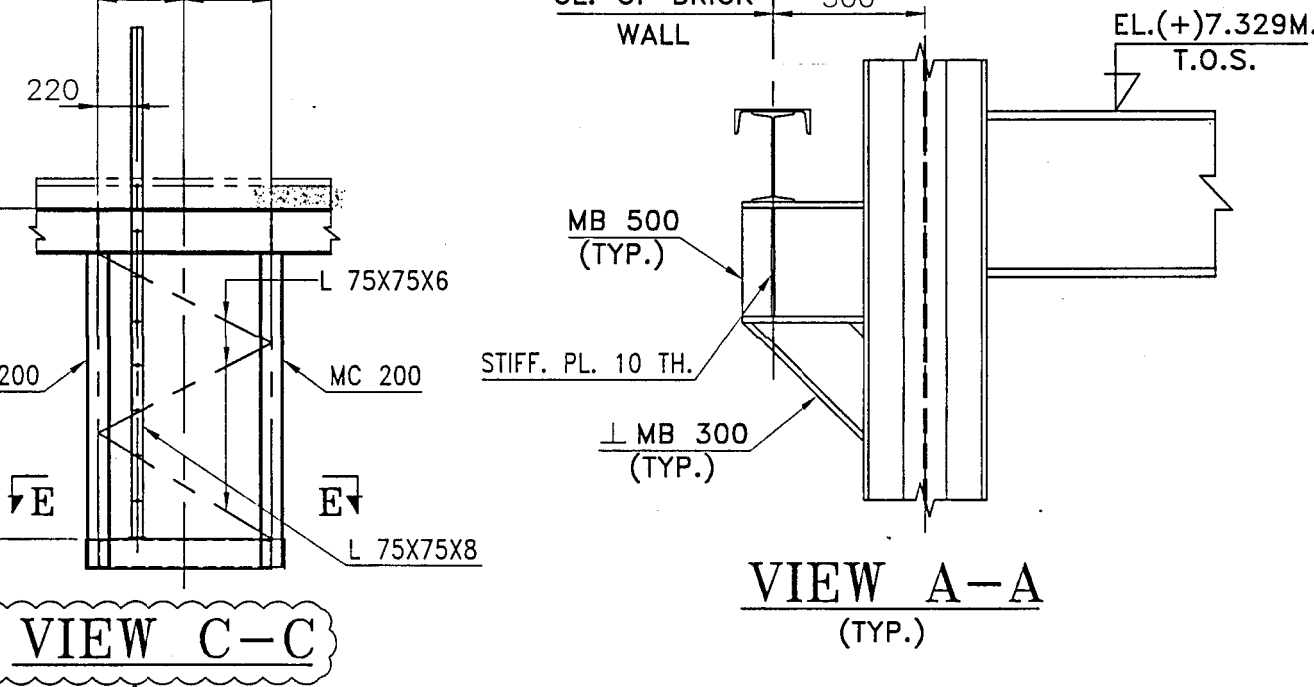
VIEW D-D



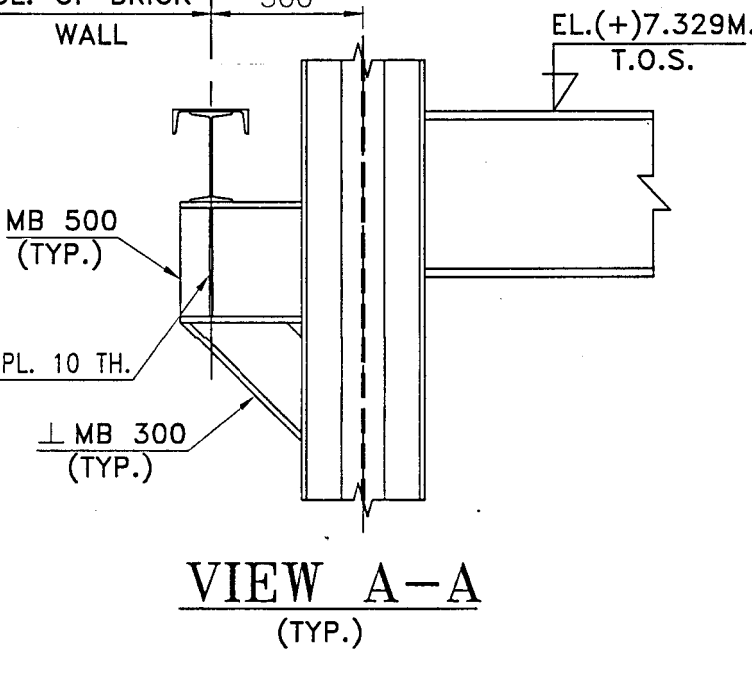
DETAIL-"C"



PLAN E-E



VIEW C-C



VIEW A-A

- NOTES:
- EL(±)0.00 M. LEVEL REFERS TO ABSOLUTE LEVEL OF (±)276.0 M.
 - ALL DIMENSIONS ARE IN MM & LEVELS ARE IN M.
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 - ALL CIVIL / STRUCTURAL ARRANGEMENT SHOWN IN THIS DRAWING ARE INDICATIVE ONLY.
 - READ THIS DRAWING IN CONJUNCTION WITH DWG. NO. ASSPL-SYS-STRL-0148-1-5, 2-5, 3-5, 5-5.
 - THIS DRG. IS BASED ON MECHANICAL G.A. DRG. NO. ASSPL-MECH-STRL-0148-1-2, ASSPL-MECH-STRL-0148-2-2

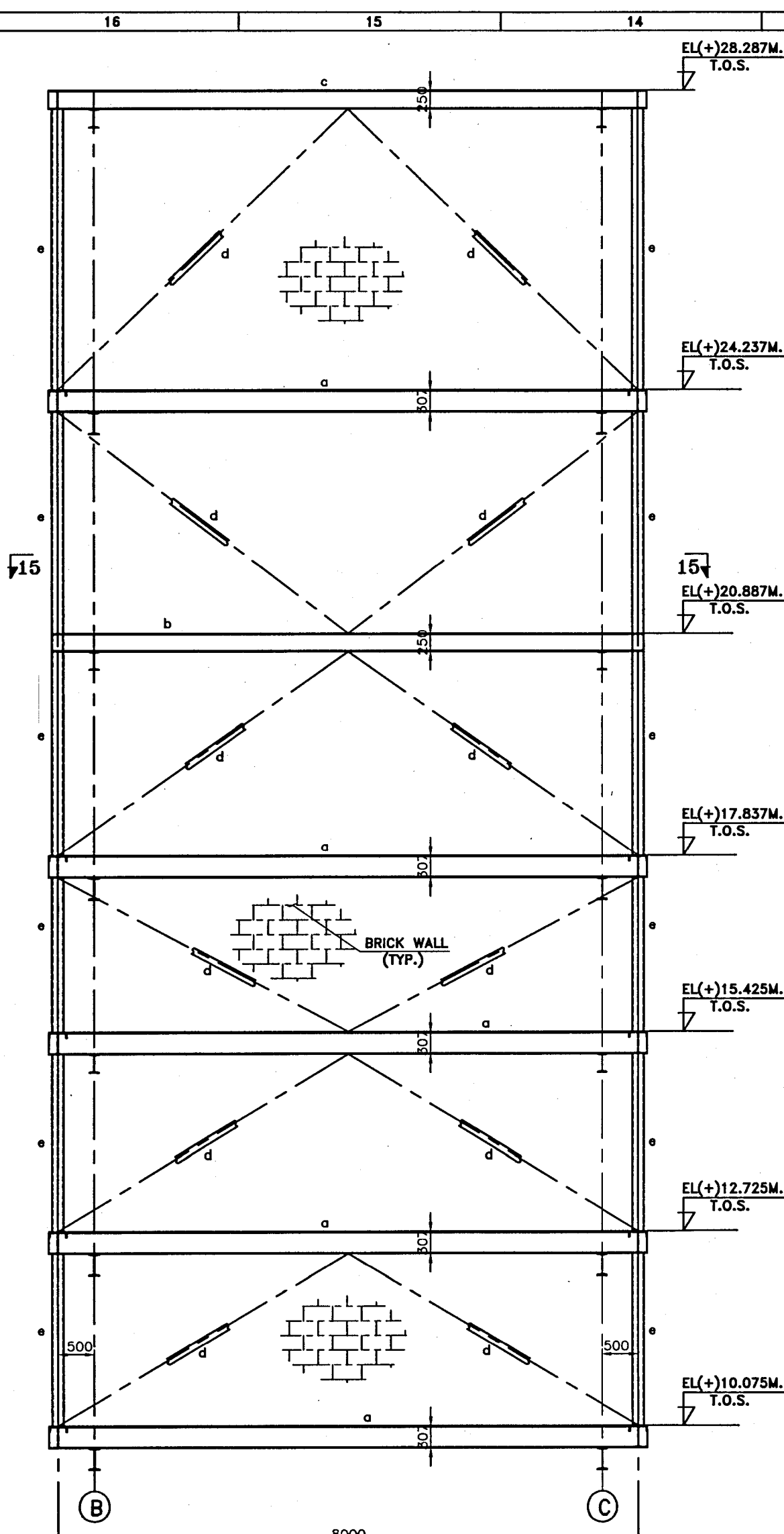
Approved
in CAT II
16/11/15

PROJECT : SINGRAULI SUPER THERMAL POWER STATION
COAL SAMPLER SYSTEM IN CHP-II
CLIENT : **NTPC Limited**
(A Government of India Enterprise)
SUPPLIER / CONTRACTOR : **ADVANCED SYSTEMS SAMPLING PVT. LTD.**
KOLKATA

5	REVISED AS MKD. A	CADT.	S.BASU	S.GHOSH	10.09.13	CHECKED BY	SIGN	DATE
4	REVISED AS MKD. A	CADT.	S.BASU	S.GHOSH	23.08.13	ARCHITECTURE		
3	REVISED AS MKD. A	CADT.	S.BASU	S.GHOSH	23.04.13	CIVIL & STRUCTURAL		
2	REVISED AS PER NTPC COMMENTS.	CADT.	S.BASU	S.GHOSH	13.10.12	MECHANICAL		
1	GENERALLY REVISED					ELECTRICAL & INSTRUMENTATION		
5	RELEASED FOR	DRAWN	CHECK	APPROVED	DATE	UTILITY		

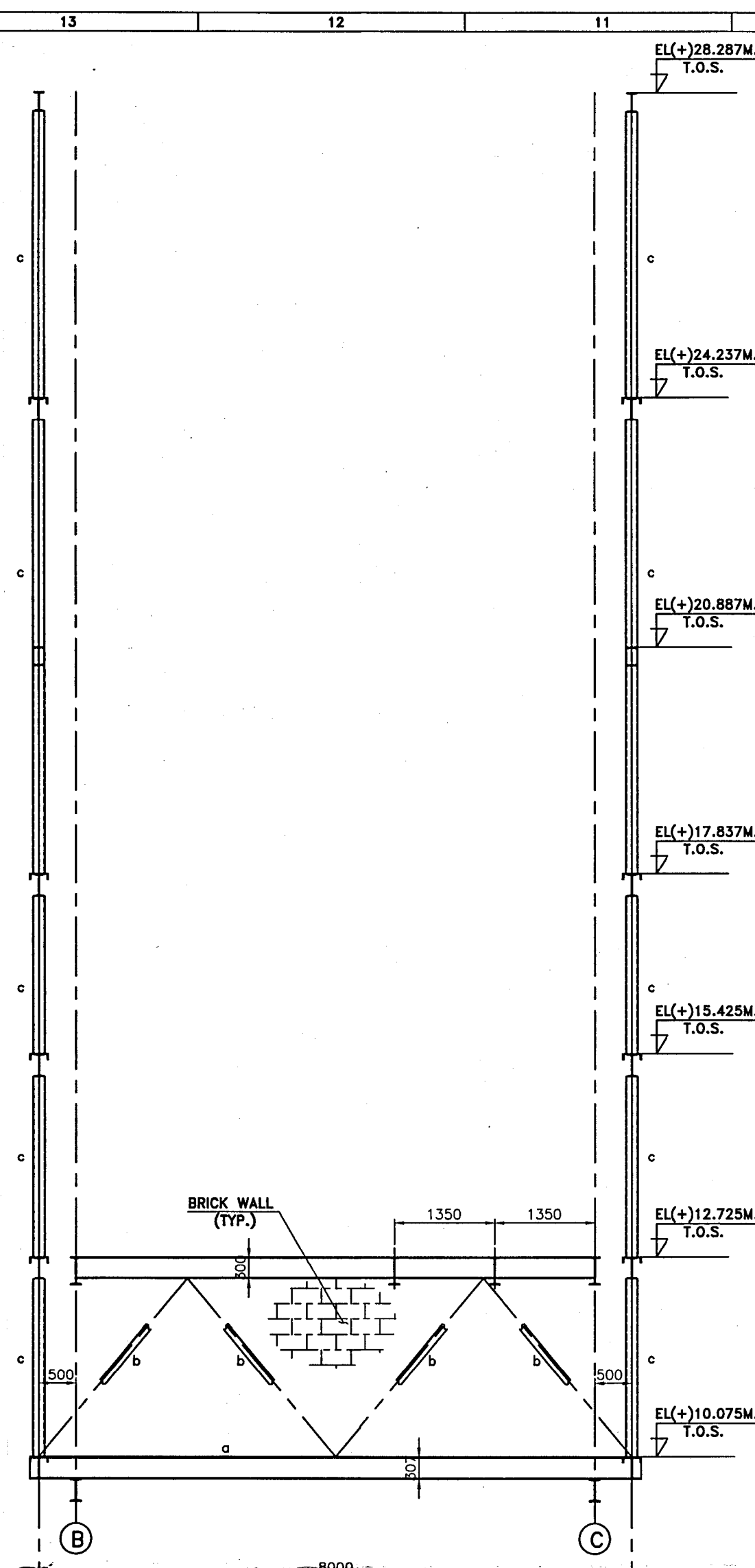
JOB No. : **ASSPL-SYS-STRL-0148-4-5** SHEET 4 OF 5
TITLE : **STRUCTURAL G.A. & FLOOR PLAN**
+7.129M, +12.129M, +15.529M, +18.229M,
+24.629M & +28.679M FOR SAMPLING
TOWER FOR SAMPLER SYSTEM ON CONV. 12AB
SCALE : 1:50
PROJECTION :
DRG. No. : **ASSPL-SYS-STRL-0148-4-5**
RELEASED FOR : ☐ PRELIMINARY ☐ TENDER ☐ INFORMATION ☒ APPROVAL ☐ CONSTRUCTION

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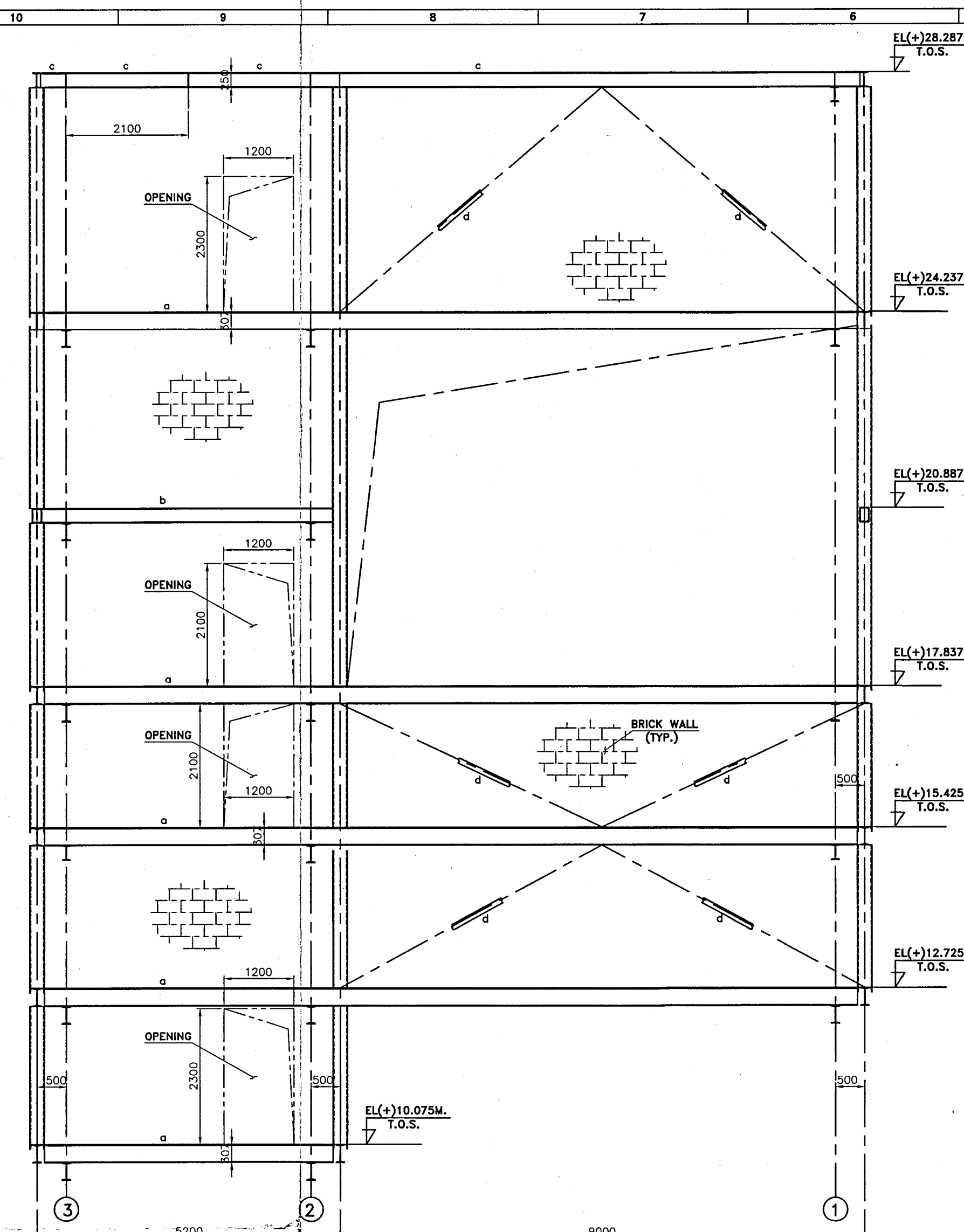
ELEVATION ON LINE-3'

ELEVATION ON LINE-3'				
MEMBERS OF BEAM				
BEAM MKD.	SECTION/SHAPE	SHEAR(T)	AXIAL (T)	
a	MB 300+ MC 250 T	-	-	
b	BOX MC250	-	-	
c	MB 250	-	-	
MEMBERS SCHEDULE OF BRCC.				
BRCC. MKD.	SECTION/SHAPE	FORCE (T)	GST.PL.(TH.MM)	
d	L100X100X8	-	10	
f	L75X75X6	-	10	
MEMBERS SCHEDULE OF BRCC.				
POST MKD.	SECTION/SHAPE	FORCE (T)	GST.PL.(TH.MM)	
e	BOX MC250	-	-	



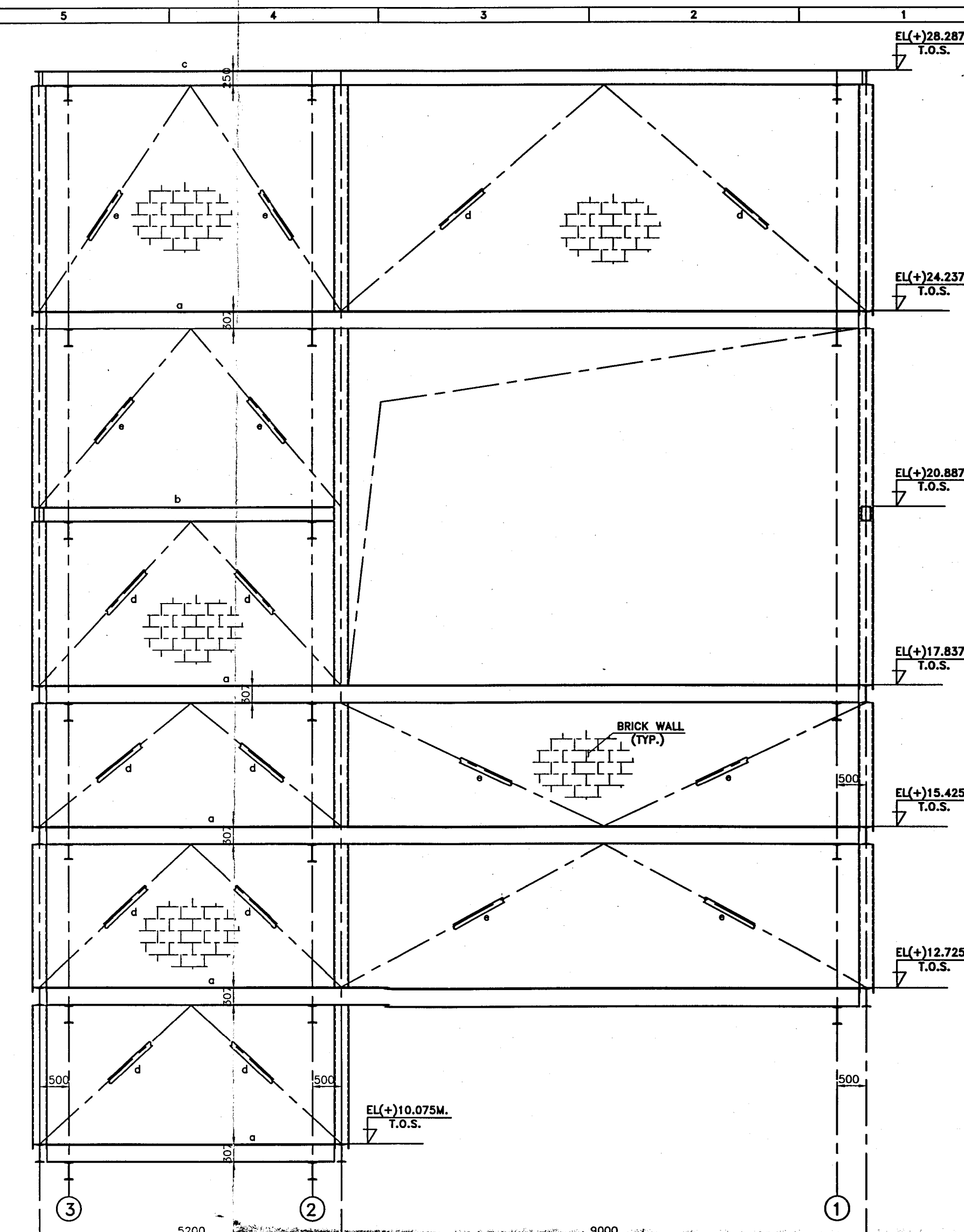
ELEVATION ON LINE-2'

ELEVATION ON LINE-2'				
MEMBERS OF BEAM				
BEAM MKD.	SECTION/SHAPE	SHEAR(T)	AXIAL (T)	
a	MB 300+ MC 250 T	-	-	
MEMBERS SCHEDULE OF BRCC.				
BRCC. MKD.	SECTION/SHAPE	FORCE (T)	GST.PL.(TH.MM)	
b	L75X75X6	-	10	
MEMBERS SCHEDULE OF BRCC.				
POST MKD.	SECTION/SHAPE	FORCE (T)	GST.PL.(TH.MM)	
c	BOX MC250	-	-	



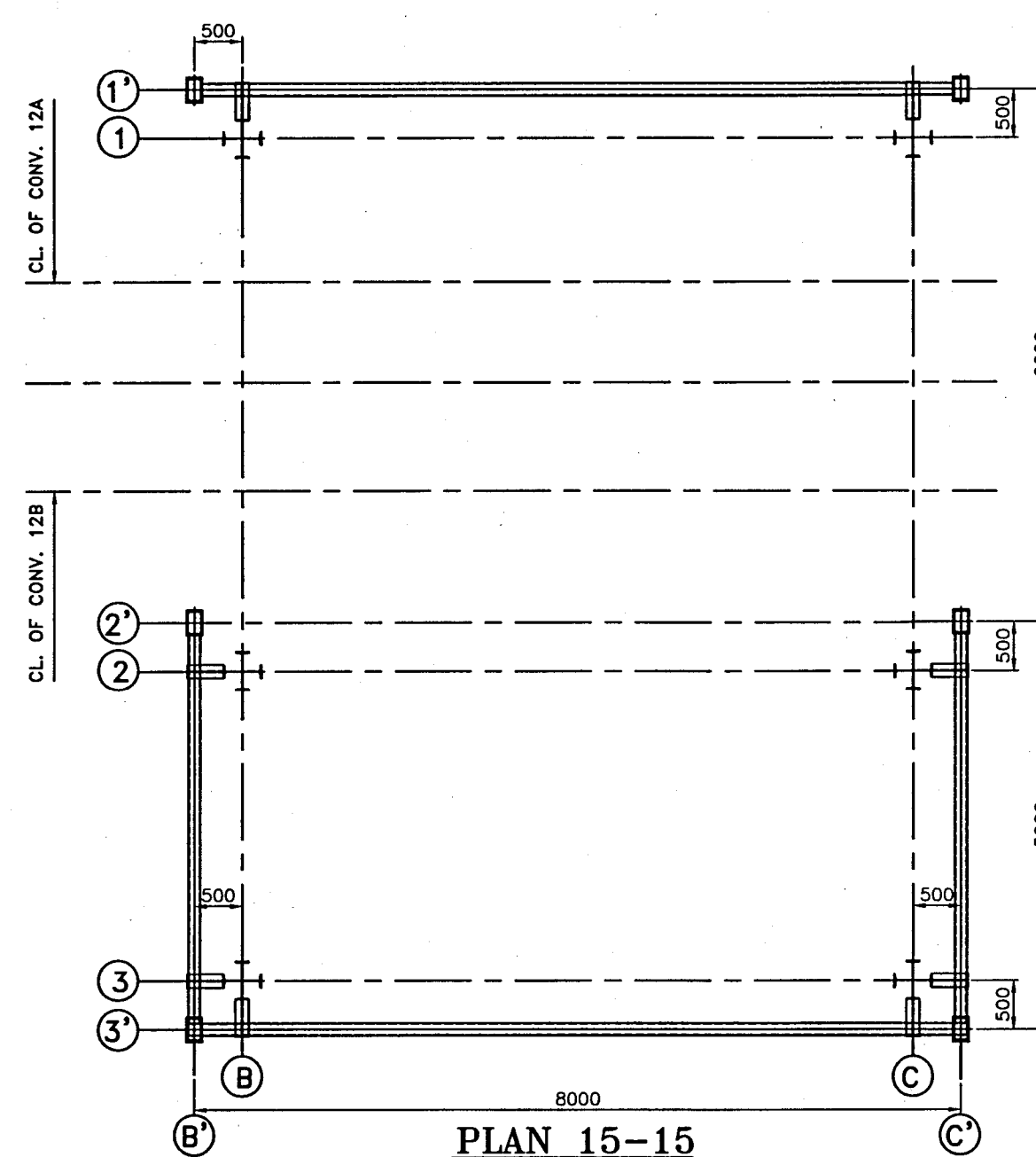
ELEVATION ON ROW-B'

ELEVATION ON ROW-B'				
MEMBERS OF BEAM				
BEAM MKD.	SECTION/SHAPE	SHEAR(T)	AXIAL (T)	
a	MB 300+ MC 250 T	-	-	
b	BOX MC250	-	-	
c	MB 250	-	-	
MEMBERS SCHEDULE OF BRCC.				
BRCC. MKD.	SECTION/SHAPE	FORCE (T)	GST.PL.(TH.MM)	
d	L100X100X8	-	10	



ELEVATION ON ROW-C'

ELEVATION ON ROW-C'				
MEMBERS OF BEAM				
BEAM MKD.	SECTION/SHAPE	SHEAR(T)	AXIAL (T)	
a	MB 300+ MC 250 T	-	-	
b	BOX MC250	-	-	
c	MB 250	-	-	
MEMBERS SCHEDULE OF BRCC.				
BRCC. MKD.	SECTION/SHAPE	FORCE (T)	GST.PL.(TH.MM)	
d	L75X75X6	-	10	
e	L100X100X8	-	-	



PLAN 15-15

- NOTES:
- EL(+28.287 M. LEVEL REFERS TO ABSOLUTE LEVEL OF (+)276.0 M.
 - ALL DIMENSIONS ARE IN MM & LEVELS ARE IN M.
 - ALL ELEVATIONS SHOWN ARE TOP OF FINISHED FLOOR LEVEL.
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 - READ THIS DRAWING IN CONJUNCTION WITH DWG. NO. ASSPL-SYS-STRL-0148-1-5, 2-5, 3-5, 4-5.
 - THIS DRG. IS BASED ON MECHANICAL G.A. DRG. NO. ASSPL-MECH-STRL-0148-1-2, ASSPL-MECH-STRL-0148-2-2

① As per the comment on Org. no. ASSPL-SYS-MBCH-0148-2-2 Sh-2 of L, R-2 opening between EL(+17.837m to EL(+24.237m) shall be shown in Org.

② Corrections shall be incorporated as per the comment in DEC. NO. ASSPL-DGN-STRL-0148-1-6 R-2.

Approved in CAT-II

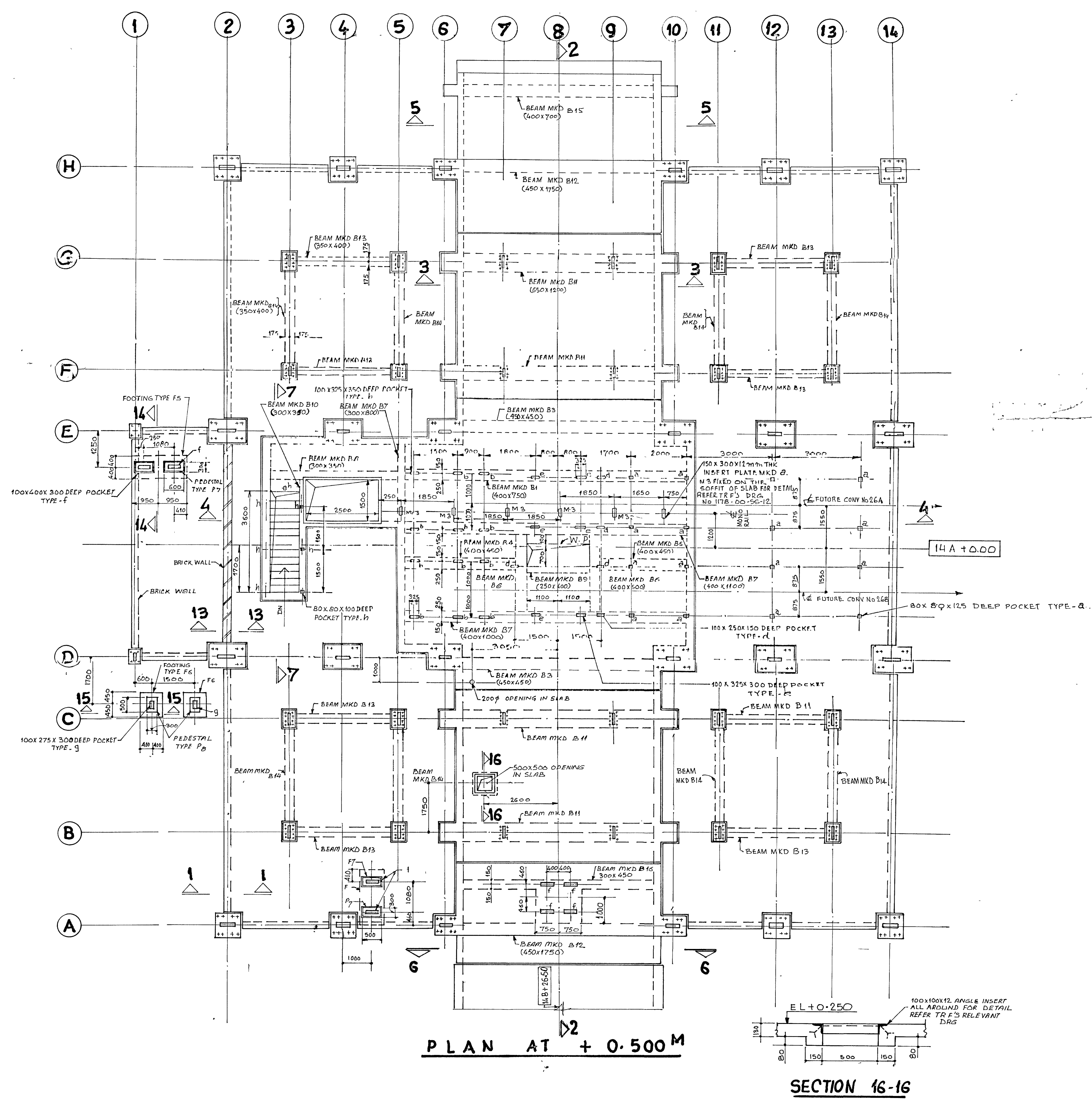
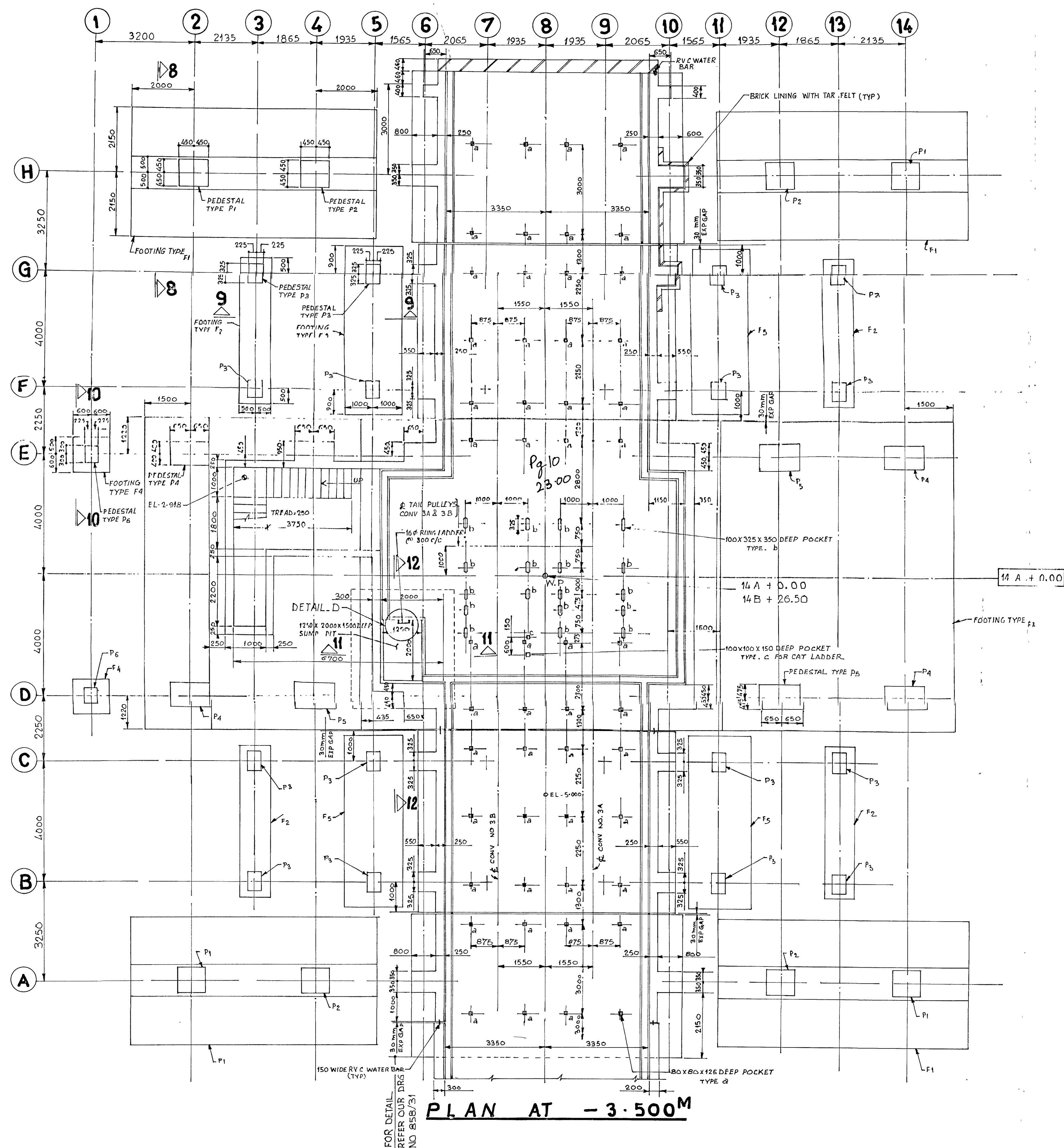
25/5/13 23/7/13

PROJECT :		SINGRAULI SUPER THERMAL POWER STATION COAL SAMPLER SYSTEM IN CHP-II	
CLIENT :		NTPC Limited (A Government of India Enterprise)	
SUPPLIER / CONTRACTOR :		ADVANCED SYSTEMS SAMPLING PVT. LTD. KOLKATA	
JOB No. :		TITLE : STRUCTURAL G.A. & ELEVATION ON LINE 2', 3', B', C' FOR SAMPLING TOWER FOR SAMPLING SYSTEM ON CONV. 12A&B	
DRG. No. :		ASSPL-SYS-STRL-0148-5-5	
SHEET 5 OF 5		SCALE 1:50	
CHECKED BY :		SIGN :	
DATE :		DATE :	
DESIGN :		DATE :	
DRAWN :		DATE :	
CHKD :		DATE :	
APPR :		DATE :	
CIVIL & STRUCTURAL		MECHANICAL	
ELECTRICAL & INSTRUMENTATION		UTILITY	
DRAWN :		CHECK :	
APPROVED :		DATE :	
RELEASED FOR :		DATE :	
PRELIMINARY		TENDER	
INFORMATION		APPROVAL	
CONSTRUCTION			

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2	REVISED AS PER NTPC COMMENTS.	CADT.	S.BASU	S.GHOSH	19.10.12
1	GENERALLY REVISED				
SL NO.	RELEASED FOR	DRAWN	CHECK	APPROVED	DATE

ON '080 WHEN EVER IN DOUBT, ASK, DO NOT SCALE.



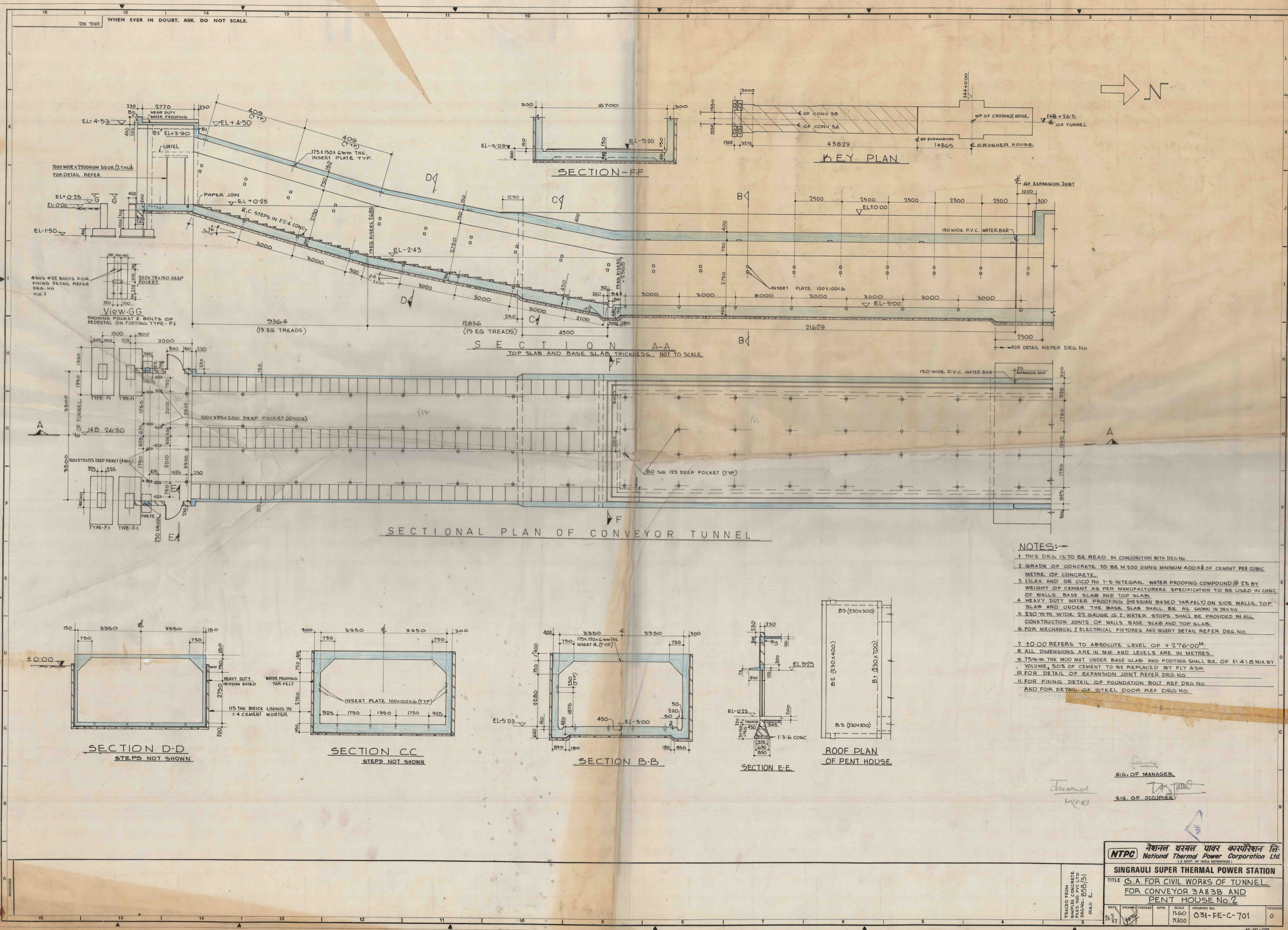
SECTION 16-16

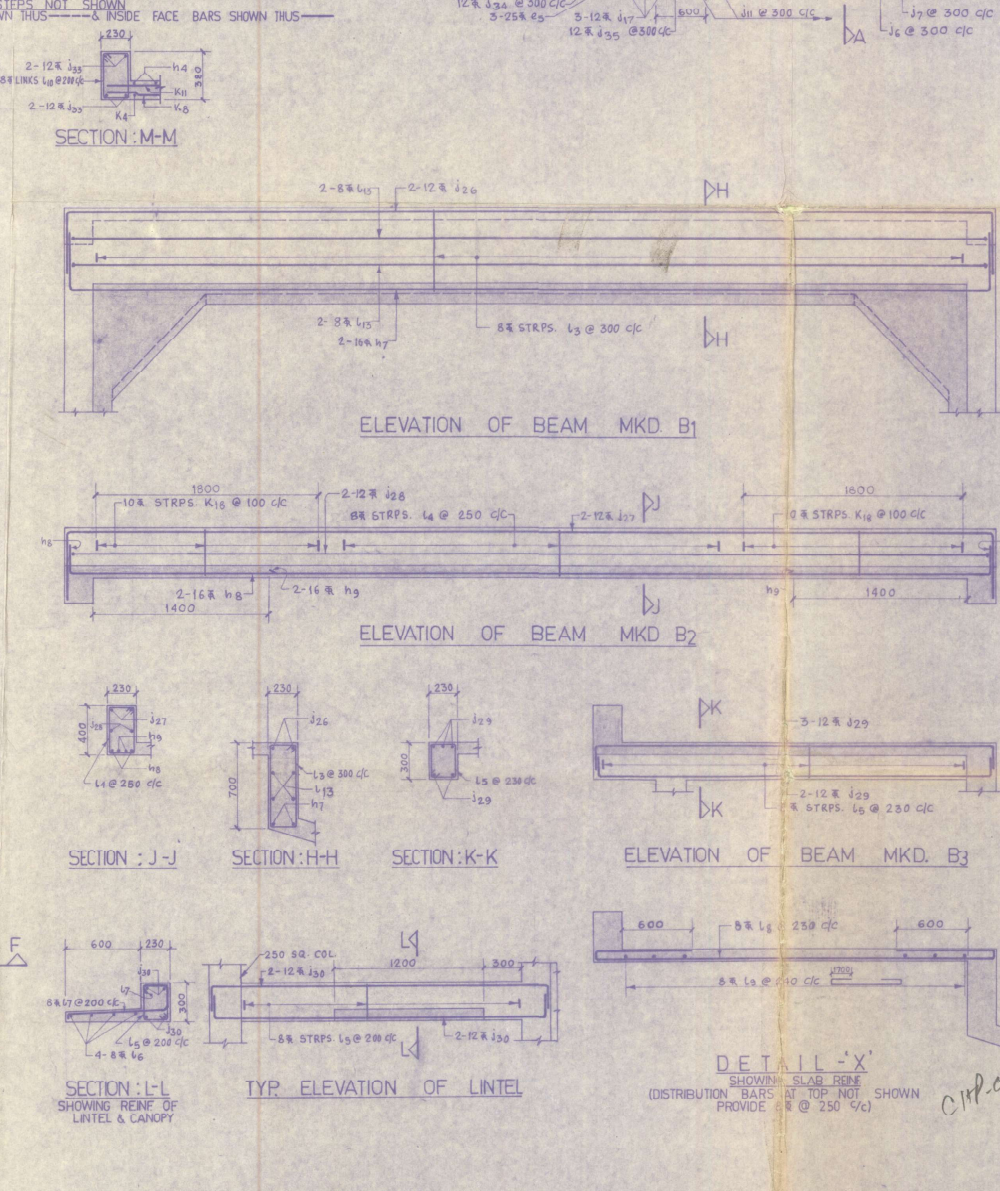
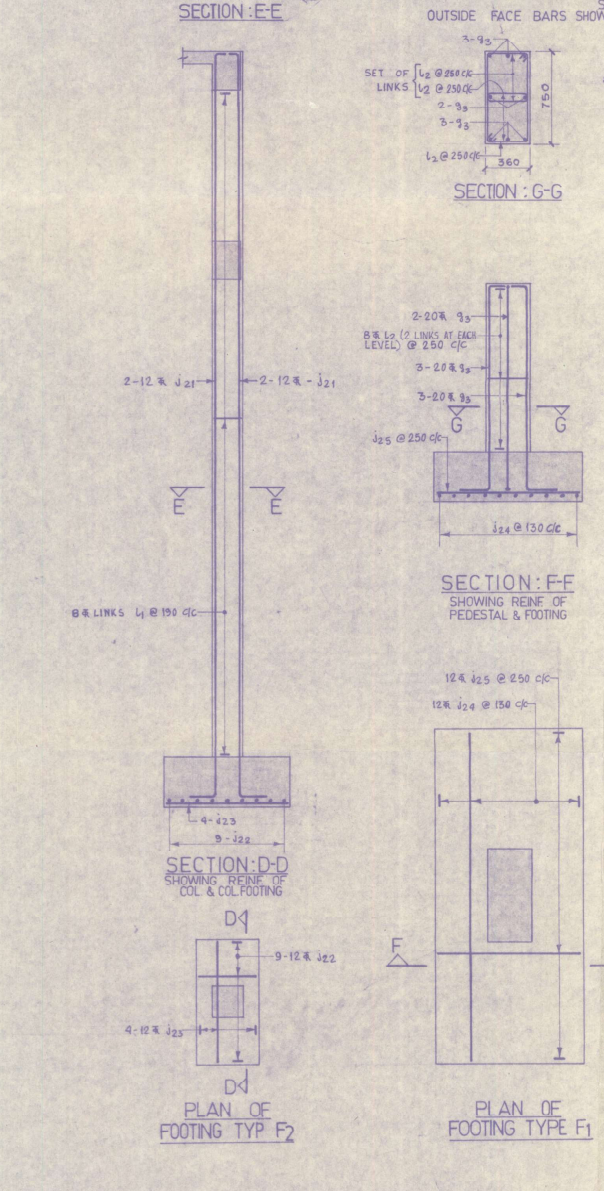
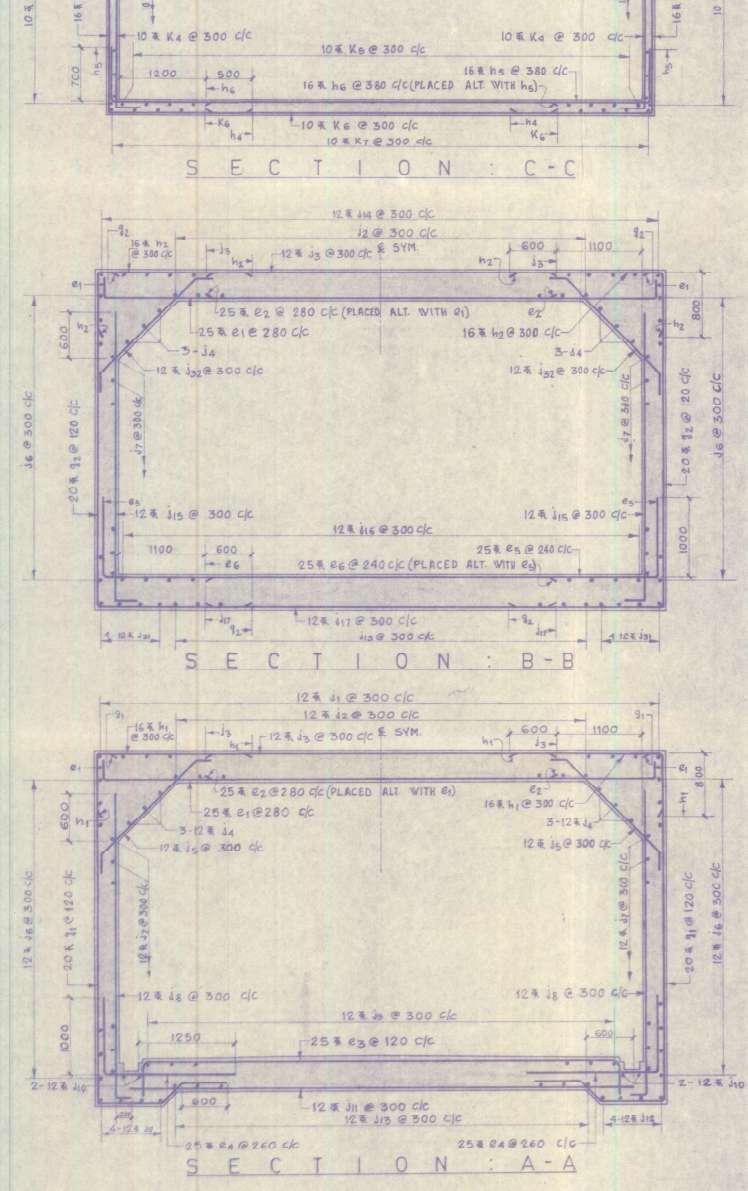
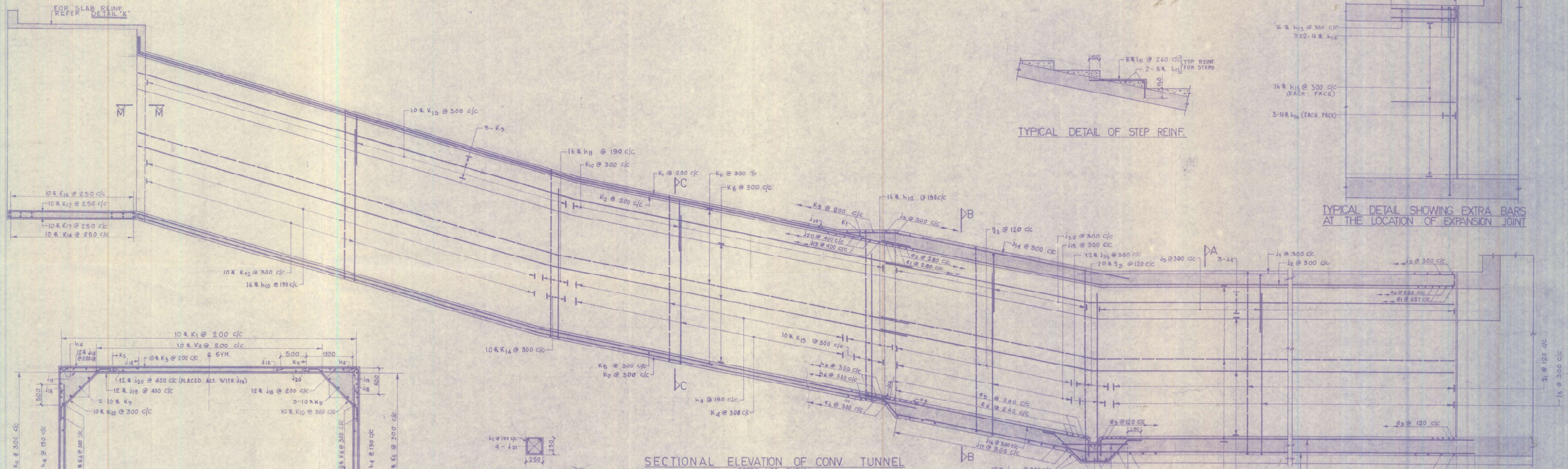
SIGNATURE OF MANAGER
T. K. Rao
SIG. OF OCCUPIER

NTPC		नेशनल थर्मल पावर कॉर्पोरेशन लि. National Thermal Power Corporation Ltd. (A GOVT. OF INDIA ENTERPRISE)	
SINGRAULI SUPER THERMAL POWER STATION			
TITLE G.A. FOR CIVIL WORKS OF CRUSHER HOUSE FOUNDATION FLOOR SLAB AT EL+0.250 AND PORTION OF TUNNEL FOR CONVA/35 UNDER CRUSHER HOUSE.			
DATE	DRAWN	CHECKED	APPROVED
DRAWING NO.		031-FE-C-693	

BASED ON SIMPLEX DRG. NO. 852/65-2B

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- NOTES**
1. This drawing is to be read in conjunction with our Drg. No. 858/31.
 2. All reinforcement shall be of high yield strength deformed bars conforming to I.S. 1786-1958.
 3. Clear cover to main reinforcement shall be as follows:
 - a) Base slab, walls, roof slab of tunnel, beams & footings = 25mm.
 - b) Columns = 40 mm.
 - c) Roof slab of pent house = 13 mm.
 4. Lap length and bend length to be 50 times dia of bars unless otherwise mentioned.
 5. All dimensions and spacing of bars are in millimeters.

F770

A REVISED AS PER CONSULTANT'S COMMENTS		14-4-78
MKD.	PARTICULARS	DATE
REVISIONS		
COAL HANDLING PLANT FOR SINGRAULI SUPER THERMAL POWER STATION		
NATIONAL THERMAL POWER CORPORATION LIMITED		
TATA ROBINS FRASER LTD JAMSHEDPUR		
R.C. DETAILS OF TUNNEL FOR CONVEYOR 3A, 3B AND PENT HOUSE		
CIVIL DESIGN AND CONSTRUCTION BY	SCALE 1:40 & 1:25	
SIMPLEX CONCRETE	DATE May 5, 1979	
PILES (INDIA) PVT LTD	DESIGNED BY A. Mukhopadhyay	
NEW DELHI	DRAWN BY C. K. Das	
	CHECKED BY A. Mukhopadhyay	
	DRG. NO 858/32	