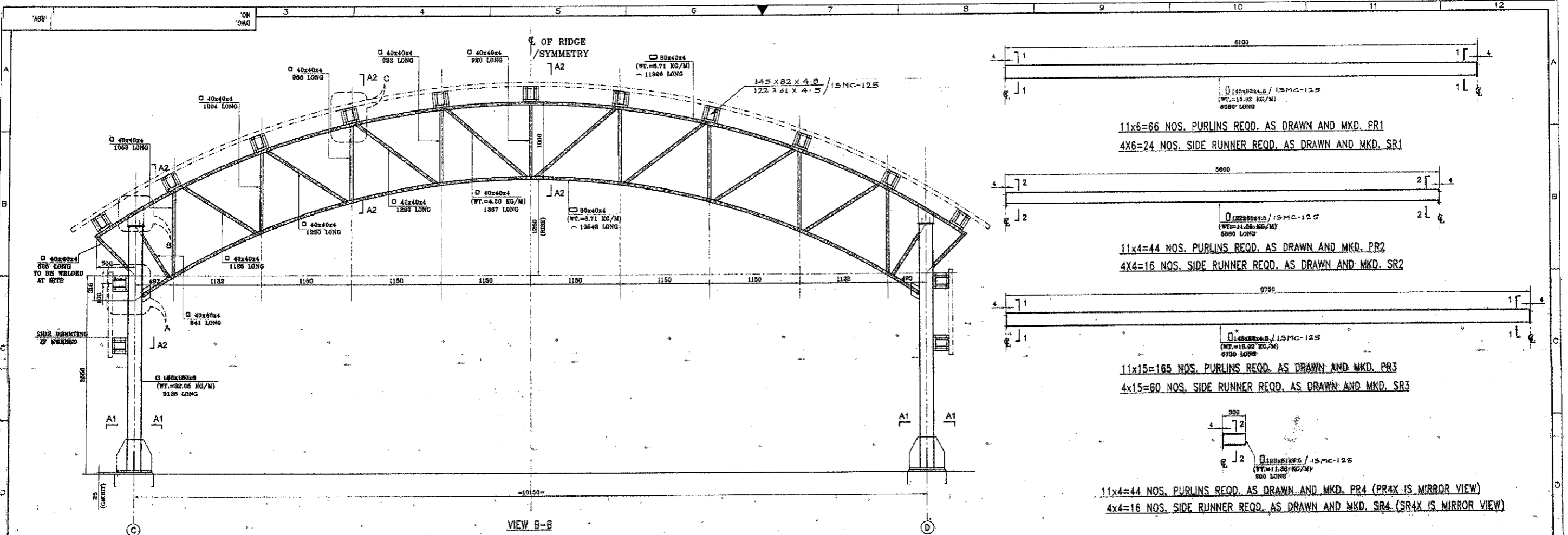
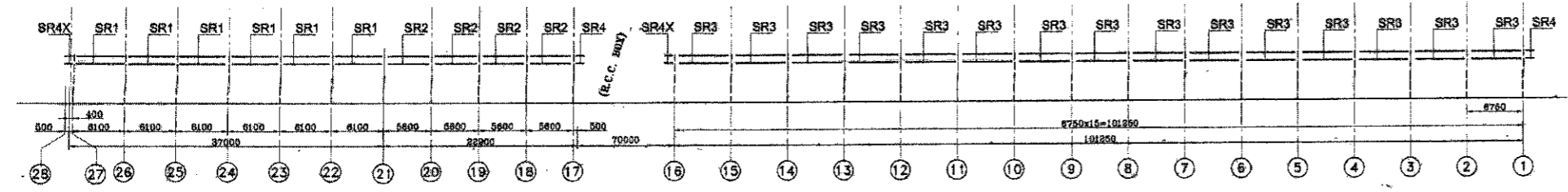
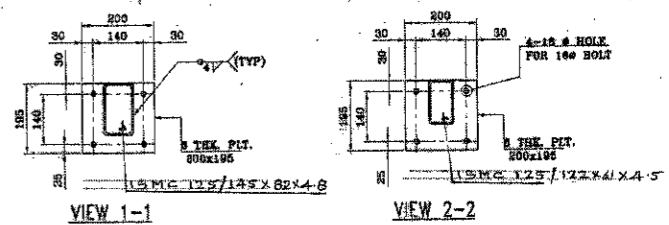


KOTA - Pipe
1

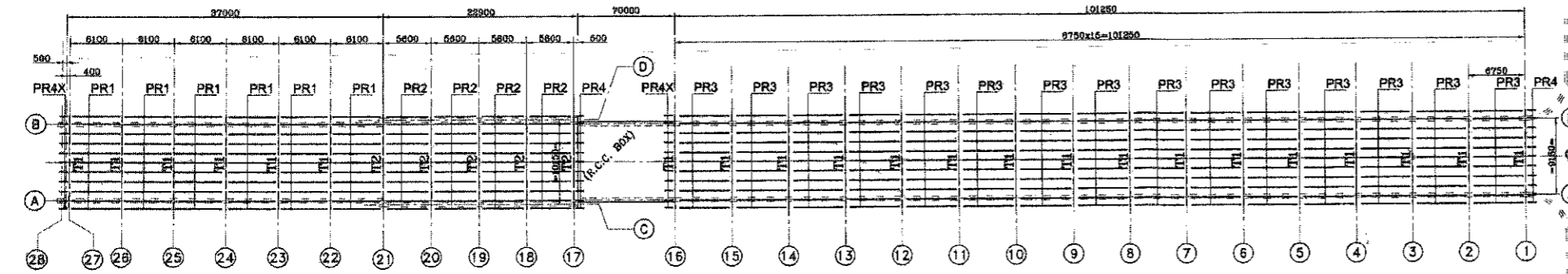


- 11x6=66 NOS. PURLINS REQD. AS DRAWN AND MKD. PR1
4X6=24 NOS. SIDE RUNNER REQD. AS DRAWN AND MKD. SR1
- 11x4=44 NOS. PURLINS REQD. AS DRAWN AND MKD. PR2
4X4=16 NOS. SIDE RUNNER REQD. AS DRAWN AND MKD. SR2
- 11x15=165 NOS. PURLINS REQD. AS DRAWN AND MKD. PR3
4x15=60 NOS. SIDE RUNNER REQD. AS DRAWN AND MKD. SR3
- 11x4=44 NOS. PURLINS REQD. AS DRAWN AND MKD. PR4 (PR4X IS MIRROR VIEW)
4x4=16 NOS. SIDE RUNNER REQD. AS DRAWN AND MKD. SR4 (SR4X IS MIRROR VIEW)

VIEW B-B
5 NOS. PORTAL AS MKD. - T2



SIDE ELEVATION FOR SIDE RUNNER (BOTH SAID)
(SCALE 1:350)

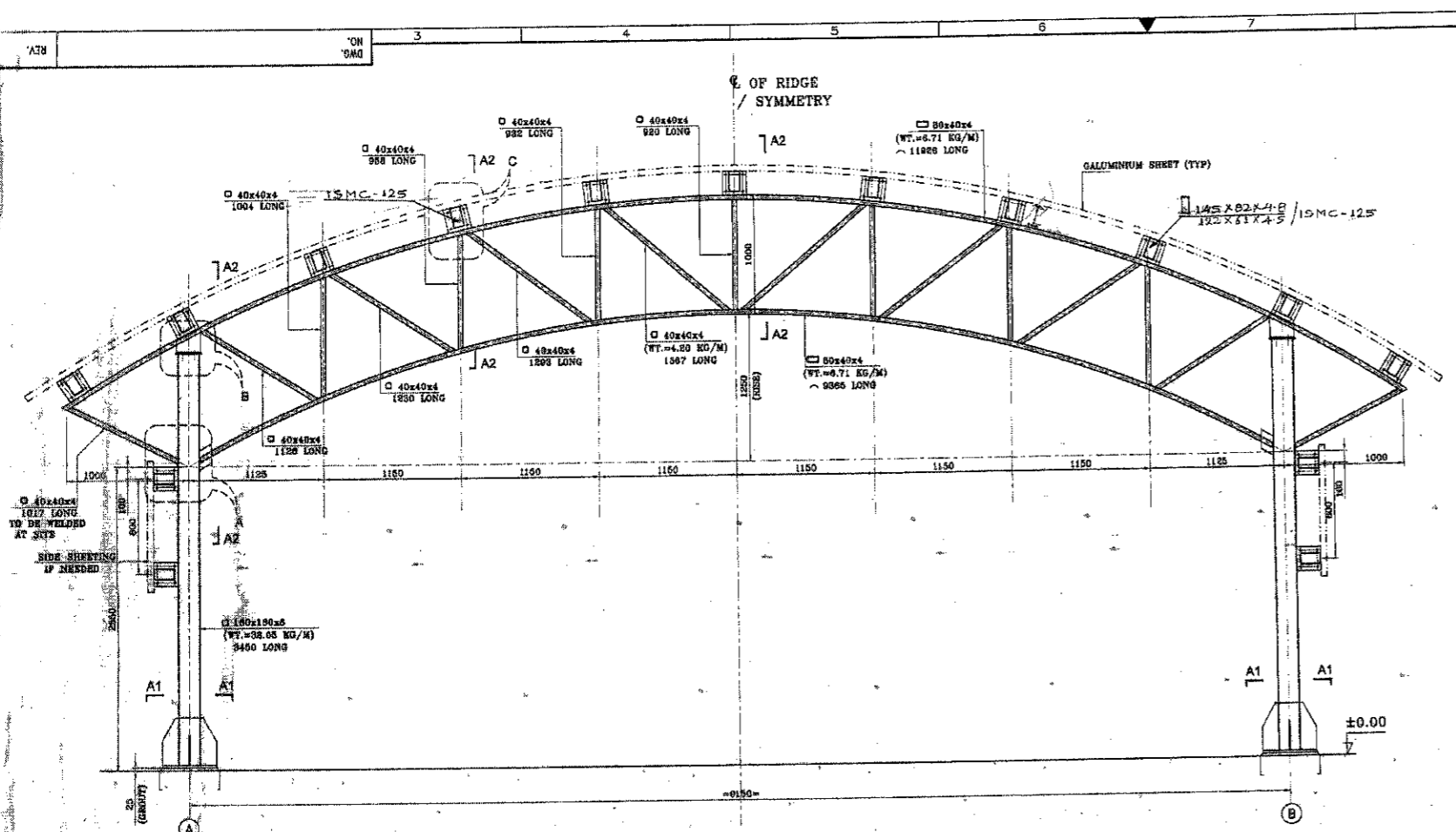


LAYOUT PLAN ROOF PURLIN
(SCALE 1:350)

GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES AND ALL LEVELS ARE IN METRES ONLY UNLESS OTHERWISE MENTIONED.
- THE DRAWINGS SHOULD NOT BE SCALED OFF, ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
- ALL LEVELS MARKED ARE WITH RESPECT TO TOP OF R.C.C. WALL / COLUMN AS ±0.00 M.
- THIS DRG. SHALL BE READ ALONG WITH OUR DRG. ST-01.
- IF IN DOUBT, PLEASE ASK.

3.				
2.				
1.				
REV. NO.	DESCRIPTION	DRN. BY.	CHECKED BY.	DATE
				27/06/10
SCALE		SHR. NO.	PAPER SIZE	
1:350, 1:20		1 OF 1	A1	
CHECKED & VERIFIED AT SITE				
SUBWAY SHED AT KOTA				
FABRICATION DETAILS OF PARTS T1 & T2				
PROJECT		DRAWING NO.		
SUBWAY SHED FOR ROAD UNDER		SH. NR.		
BRIDGE IN LIEU OF LC NO. 100-A		3		
CADFILE:-				
DY.CE @ RTI / 1352 / R11B				



BILL OF MATERIAL (APPROX)
(DRG. NO. ST-01 & 02)

STRUCTURAL SECTION	WT.(KG.)
8 THK. PLT	2550.00
8 THK. PLT	1850.00
10 THK. PLT	100.00
20 THK. PLT	1550.00
□ 180x180x8	8000.00
□ 80x40x4	4000.00
□ 40x40x4	2500.00
□ 145x82x4.8 / 15MC-125	24200.00
□ 122x61x4.5 / 15MC-125	3200.00
TOTAL	45950.00

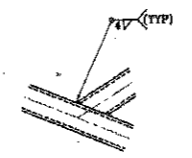
* SIDE RUNNER QTY. NOT CONSIDERED.

GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES AND ALL LEVELS ARE IN METRES ONLY UNLESS OTHERWISE MENTIONED.
- THE DRAWINGS SHOULD NOT BE SCALED OFF, ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
- ALL LEVELS MARKED ARE WITH RESPECT TO TOP OF R.C.C. WALL / COLUMN AS ±0.00 M.
- IF IN DOUBT, PLEASE ASK.

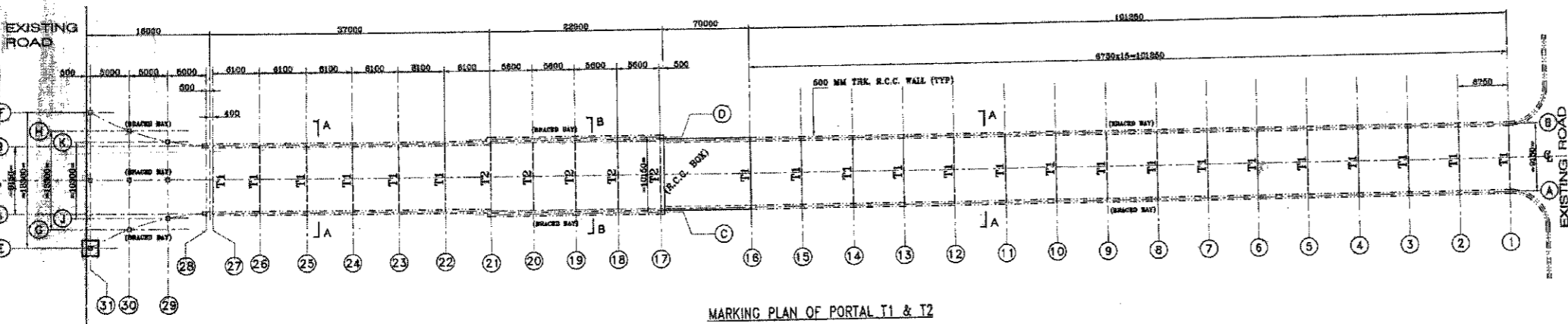
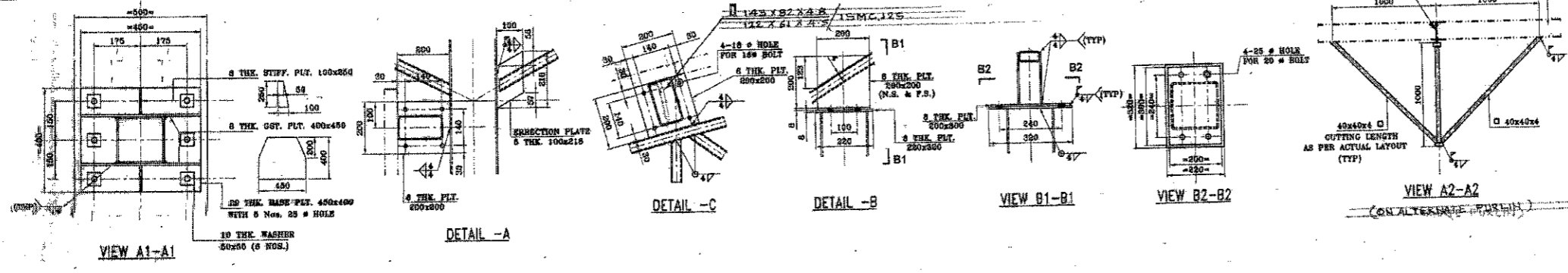
NOTES/SPECIFICATIONS FOR STRUCTURAL WORK

- UNLESS NOTED OTHERWISE-
 1. ALL WELDS 4 MM THK. FILLET CONTINUOUS.
 2. ALL SHAPES SIZES LENGTHS OF GUSSETS & MEMBERS TO BE OBTAINED FROM ACTUAL LAYOUT IN SHOP.
- ALL STRUCTURAL STEEL FABRICATION SHALL BE AS PER IS-800 & IS-816(LATEST).
- STRUCTURAL STEEL SHALL CONFORM TO IS:226 & IS:2062.
- ALL STRUCTURAL MEMBERS SHALL APPLIED ONE COAT OF ZINC CHROMATE PRIMER AS PER IS:2074 AFTER FABRICATION AND INSPECTION. ANOTHER COAT AFTER ERECTION.
- SUBSEQUENTLY TWO COATS OF SYNTHETIC ENAMEL PAINT OF APPROVED BRAND & GRADE SHALL BE APPLIED AFTER ERECTION.
- ALL BOLTED CONNECTION EXCEPT FOR PURLINS & SIDE RUNNERS SHALL BE FULLY WELDED AFTER ERECTION-& ALIGNMENT.
- FULL PENETRATION BUTT WELD SHALL BE TESTED 100% ULTRASONICALLY AND 10% RADIOGRAPHICALLY.
- SPLICING SHALL BE AS STANDARD DETAIL SUPPLY BY PIPE MANUFACTURERS.
- ERECTION OF FABRICATED STRUCTURE SHALL BE CARRIED OUT AS PER STANDARD ENGG. PRACTICE CONFORMING TO IS: 7205-1974.
- WELDING ELECTRODES SHALL CONFORM TO IS:814-1991 & OF APPROVED MAKE.
- ALL FASTNER BOLT CONFORM TO IS-1363, IS:1367 (LATEST) GRADE (B) CLASS 4.8, NUT CONFORM TO IS-6823 & WASHER CONFORM TO IS-6849.
- ALL RHS / SHS SHALL CONFORM TO IS:4623, GRADE YST 240.
- FOR RHS / SHS WELDING SHALL BE DONE AS PER IS:9095 (LATEST)
- OPEN END OF THE MEMBERS SHALL BE SEALED.

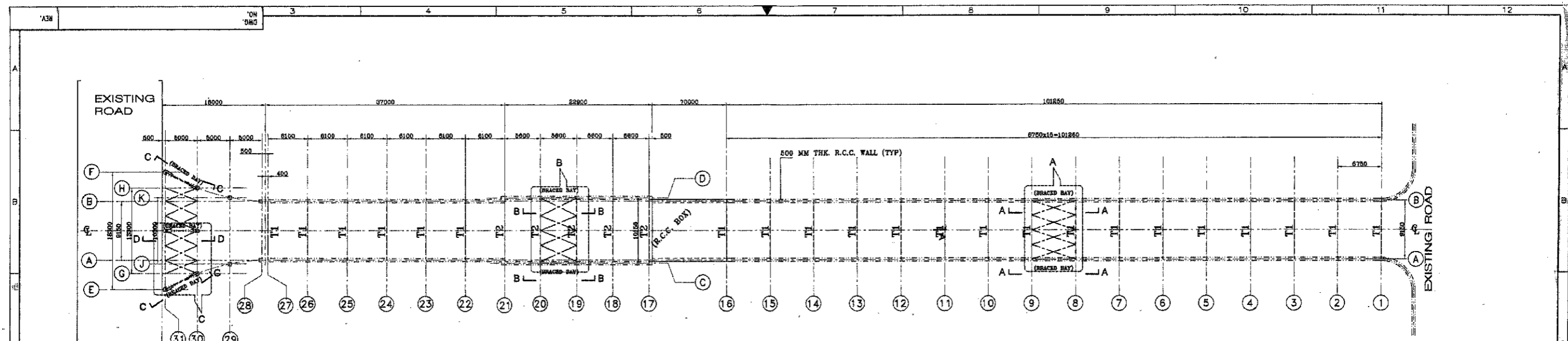


TYP DETAIL OF WELD (PIPE TO PIPE)

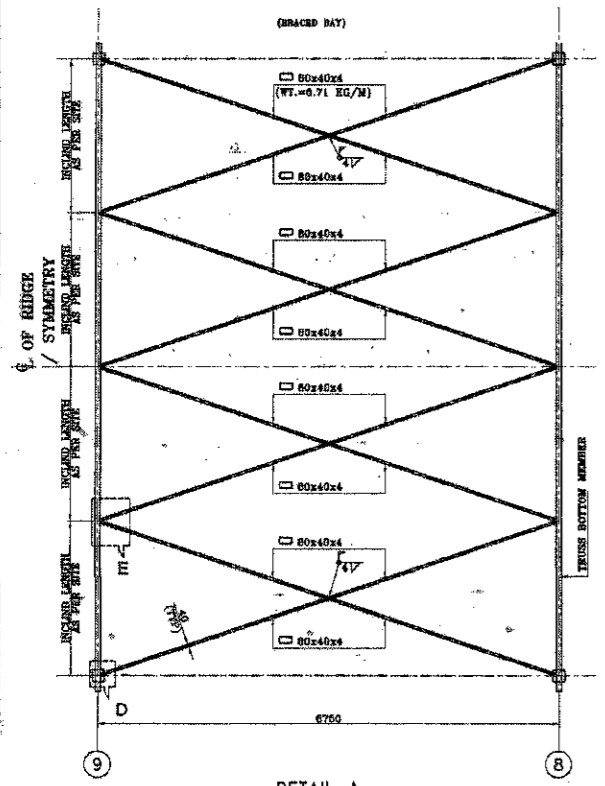
VIEW A-A
22 NOS. PORTAL AS MKD. - T1



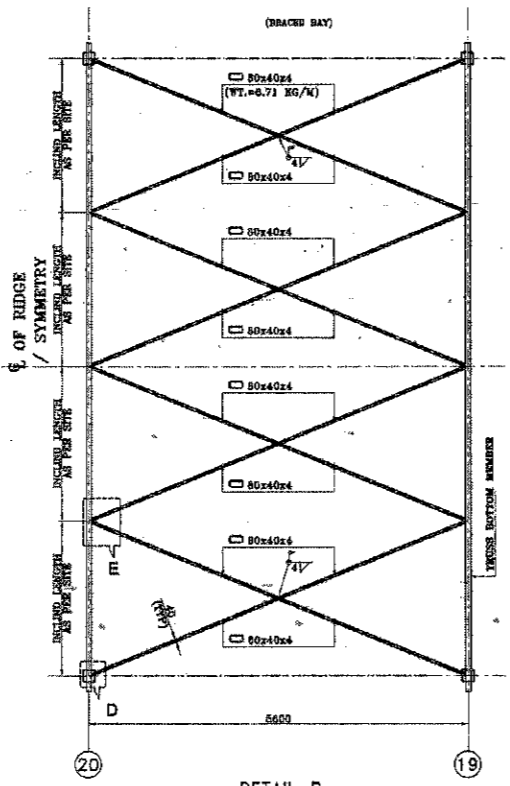
3.			
2.			
1.			
DRN. BY		CHECKED BY	DATE
DY. C.E. (RIT) K.T.T.			27/08/10
SCALE	SHEET NO.	PAPER SIZE	
1:350, 1:20	1 OF 1	A1	
CHECKED & VERIFIED AT SITE		TITLE	
SE. W. (S) M.T. KEY (S) K.T.T.		SUBWAY SHED AT KOTA	
PROJECT		FABRICATION DETAIL OF PORTAL T1 & T2	
SUBWAY SHED FOR ROAD UNDER BRIDGE IN LIEU OF LC NO. 108-A		DRAWING NO.	SH. NR.
CADFILE: -		DY. C.E. (RIT) / 1351 / RUB	2



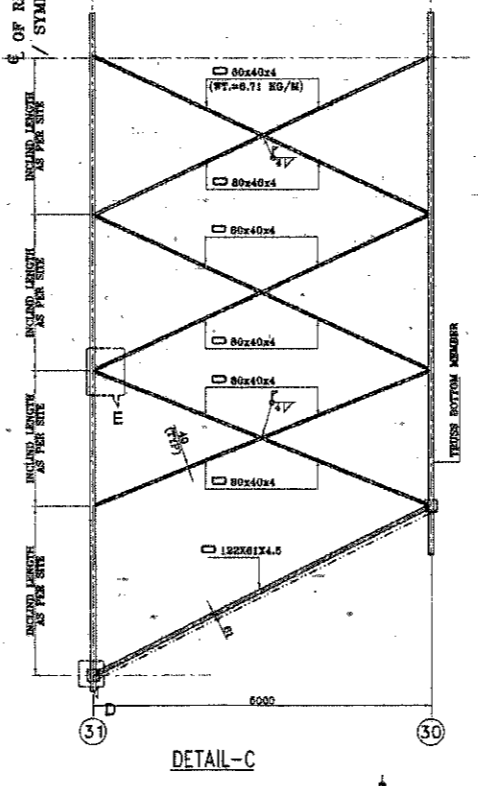
MARKING PLAN OF TRUSS & COLUMN BRACING



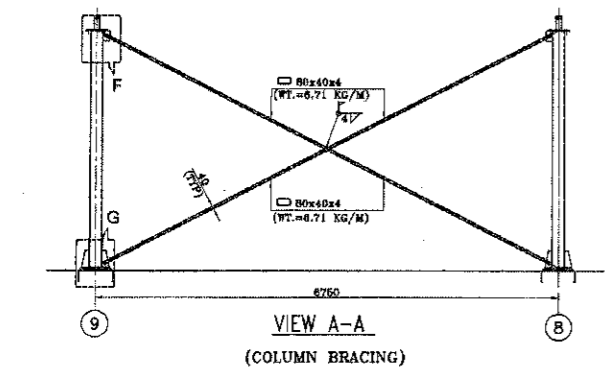
DETAIL-A
(TRUSS BOTTOM BRACING)



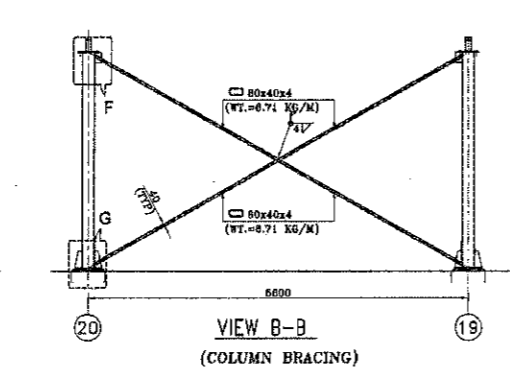
DETAIL-B
(TRUSS BOTTOM BRACING)



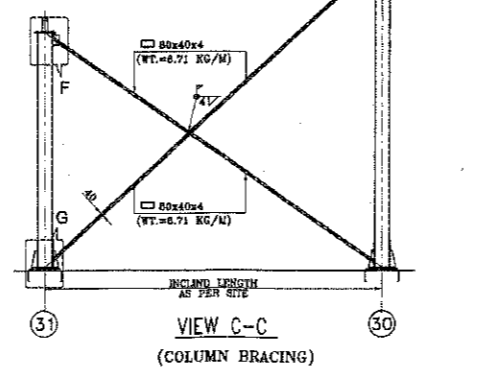
DETAIL-C
(TRUSS BOTTOM BRACING)



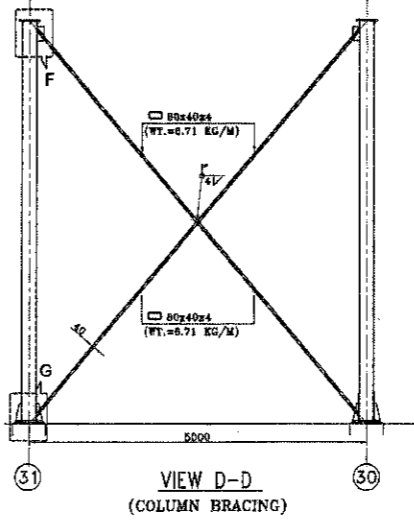
VIEW A-A
(COLUMN BRACING)



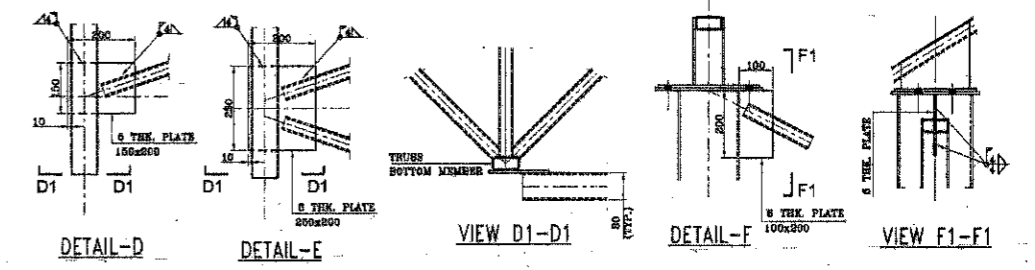
VIEW B-B
(COLUMN BRACING)



VIEW C-C
(COLUMN BRACING)



VIEW D-D
(COLUMN BRACING)

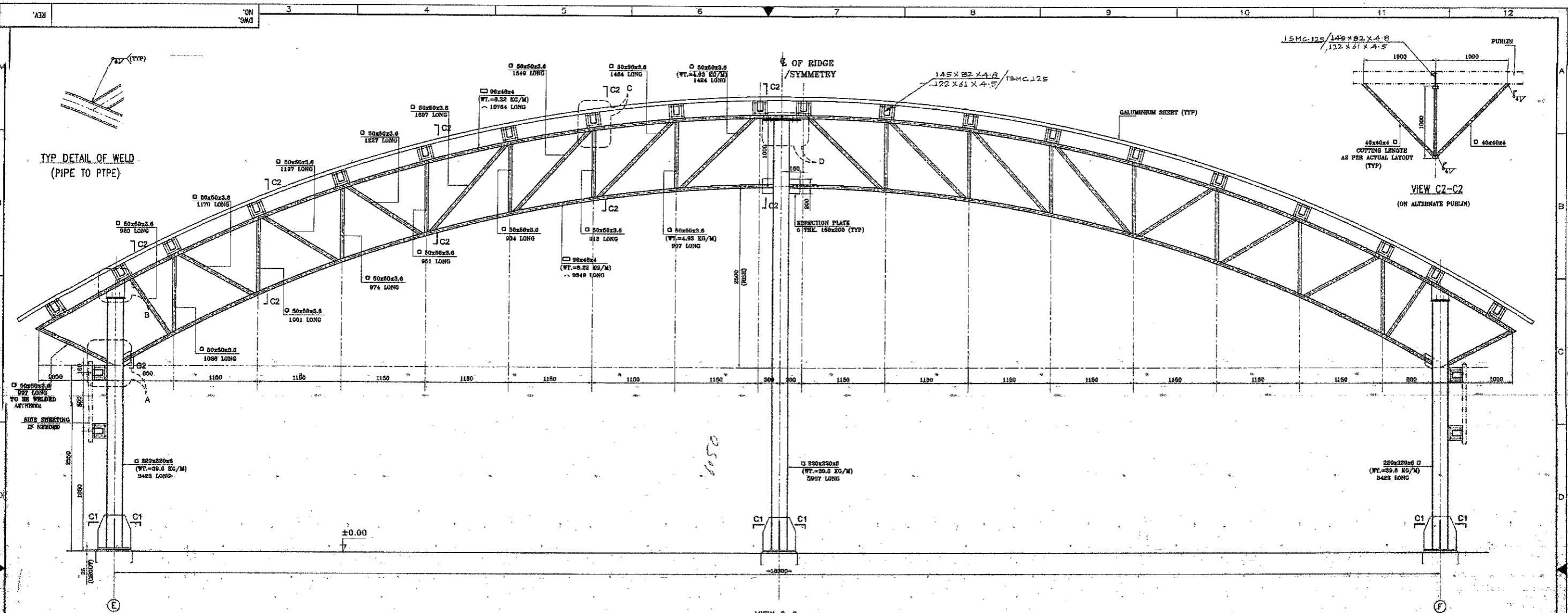


BILL OF MATERIAL (APPROX) (DRG. NO. ST-06)	
STRUCTURAL SECTION	WT.(KG.)
6 THK. PLT	200.00
80x40x4	2200.00
TOTAL	2400.00

GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES AND ALL LEVELS ARE IN METRES ONLY UNLESS OTHERWISE MENTIONED.
- THE DRAWINGS SHOULD NOT BE SCALED OFF, ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
- ALL LEVELS MARKED ARE WITH RESPECT TO TOP OF R.C.C. WALL / COLUMN AS ±0.00 M.
- FOR NOTES REFER OUR DRG. NO. ST-01.
- IF IN DOUBT, PLEASE ASK.

NO.	DESCRIPTION	CHKD. BY	CHECKED BY	DATE
3.				
2.				
1.				
CHECKED & VERIFIED AT SITE		TITLE		
PROJECT		DRAWING NO.		
SUBWAY SHED FOR ROAD UNDER BRIDGE IN LIEU OF I.C. NO. 108-A		DATE		
CADFILE:-		7/7		



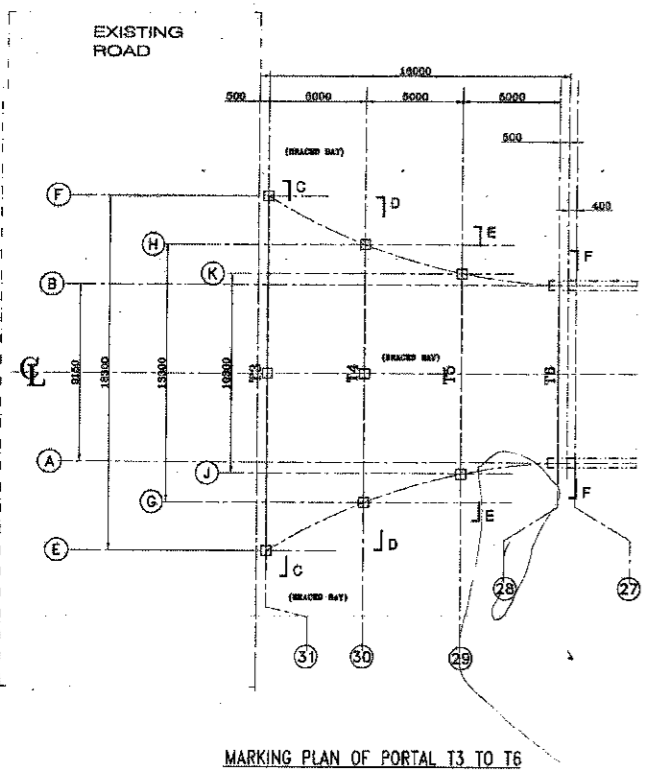
VIEW C-C
1 NO. PORTAL AS MKD. - T3

BILL OF MATERIAL (APPROX)	
(DRG. NO. ST-03 TO 05)	
STRUCTURAL SECTION	WT.(KG.)
6 THK. PLT	400.00
8 THK. PLT	400.00
10 THK. PLT	100.00
20 THK. PLT	350.00
□ 220x220x6	1600.00
□ 180x180x6	350.00
□ 90x48x4	1000.00
□ 50x50x3.6	700.00
□ 40x40x4	400.00
□ 122x61x4.5 / 15-MC-125	2500.00
TOTAL	7800.00

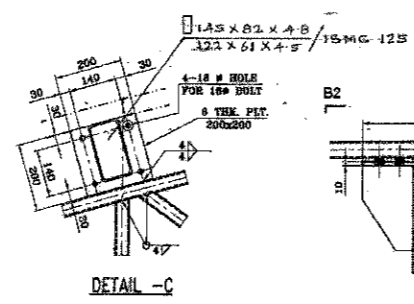
NOTE:-

- ALL DIMENSIONS ARE IN MILLIMETRES AND ALL LEVELS ARE IN METRES ONLY UNLESS OTHERWISE MENTIONED.
- THE DRAWINGS SHOULD NOT BE SCALED OFF, ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
- ALL LEVELS MARKED ARE WITH RESPECT TO TOP OF R.C.C. WALL / COLUMN AS ±0.00 M.
- FOR NOTES REFER OUR DRG. NO. ST-01.
- IF IN DOUBT, PLEASE ASK.

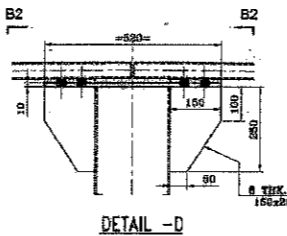
* SIDE RUNNER QTY. NOT CONSIDERED.



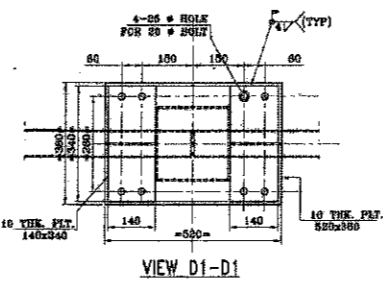
MARKING PLAN OF PORTAL T3 TO T6



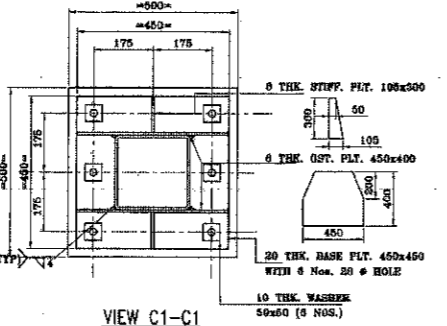
DETAIL - C



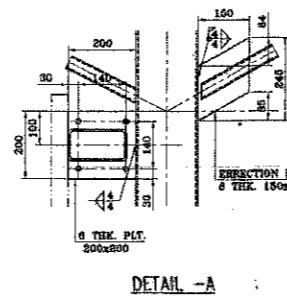
DETAIL - D



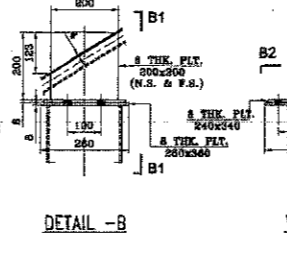
VIEW D1-D1



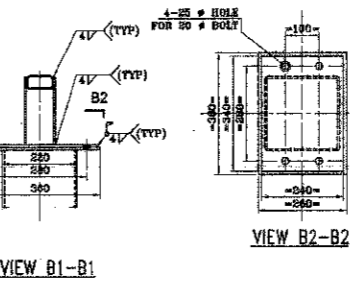
VIEW C1-C1



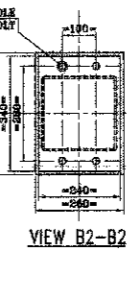
DETAIL - A



DETAIL - B

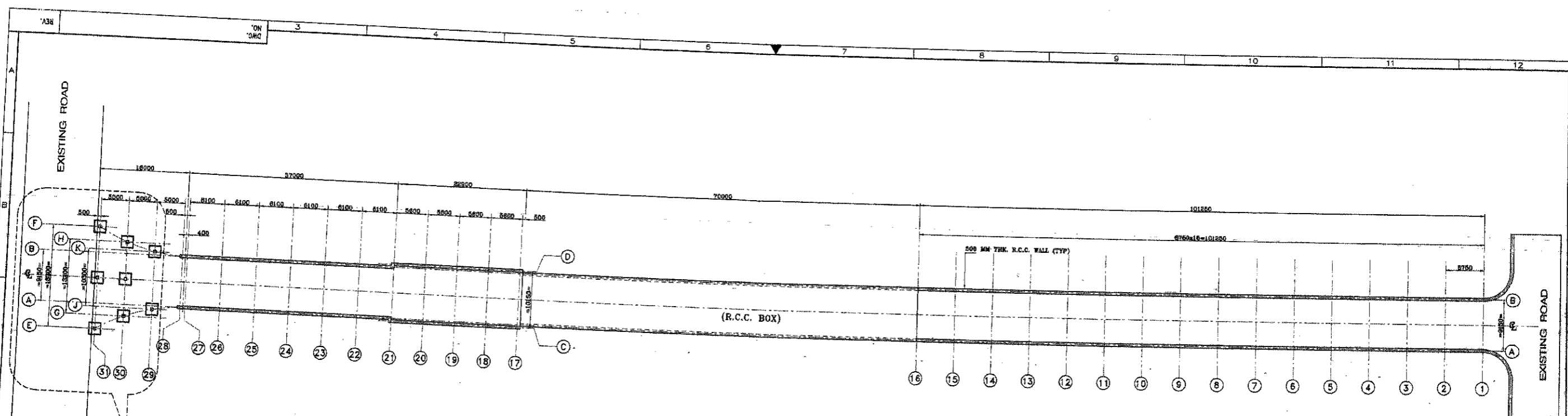


VIEW B1-B1

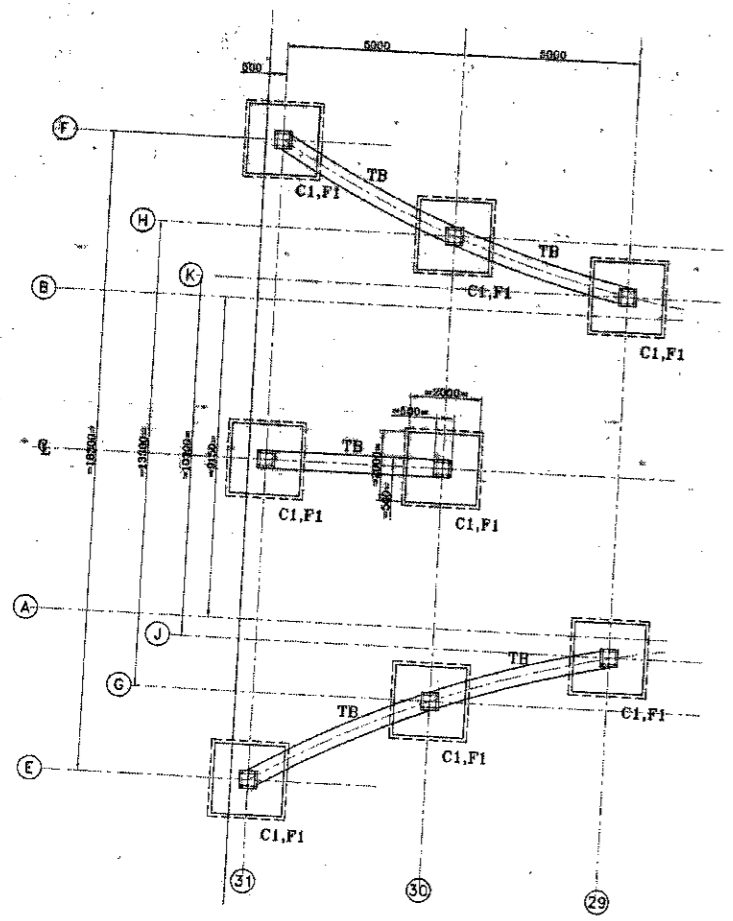


VIEW B2-B2

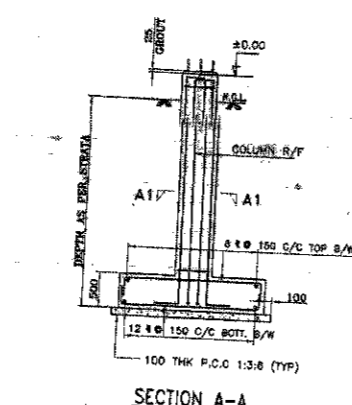
3.			
2.			
1.			
REV. NO.	DESCRIPTION	DRAWN BY	CHECKED BY
			DATE
			05/07/10
			SCALE
			1:350.1:20
			SHT. NO.
			1 OF 1
			PAPER SIZE
			A1
			TITLE
			SUBWAY SHED
			FABRICATION DETAIL OF PORTAL T3
			PROJECT
			SUBWAY SHED FOR ROAD UNDER
			BRIDGE IN LIRI OF LC NO. 100-A
			DRAWING NO.
			5/4. MR.
			CADFILE:-
			DXCE@RTI/1353/RUB



LAYOUT PLAN OF BOLT

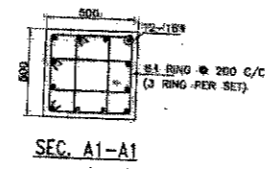


(LAYOUT PLAN OF COLUMN, FOOTING & TIE BEAM)

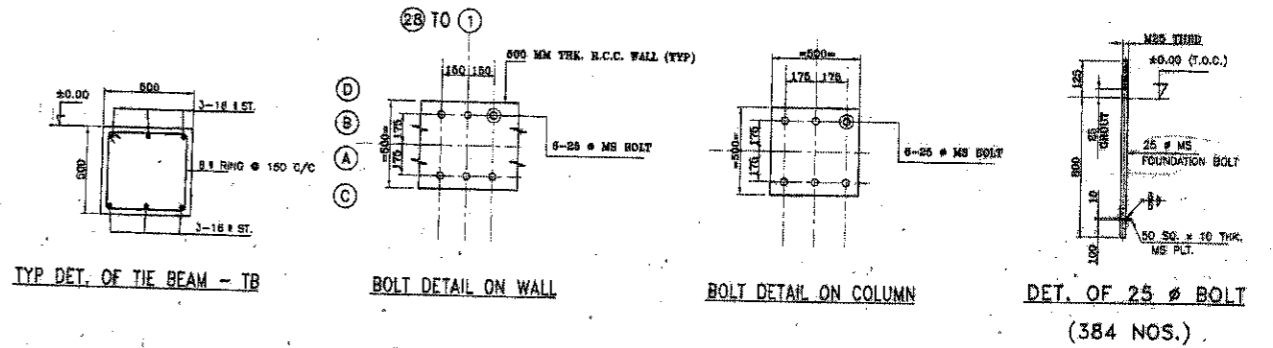


SECTION A-A

DETAIL OF COLUMN & FOOTING C1,F1 (9 NOS.)



SEC. A1-A1



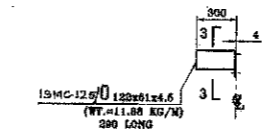
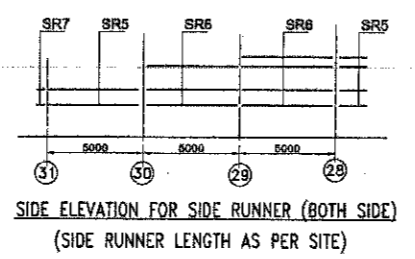
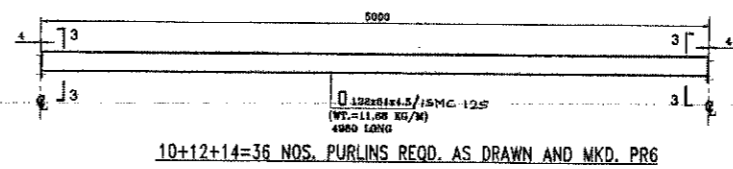
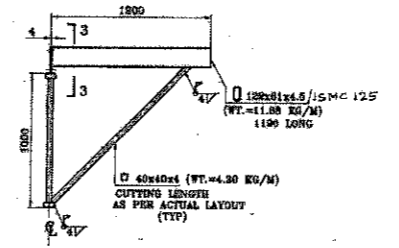
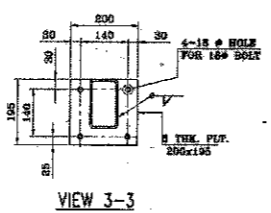
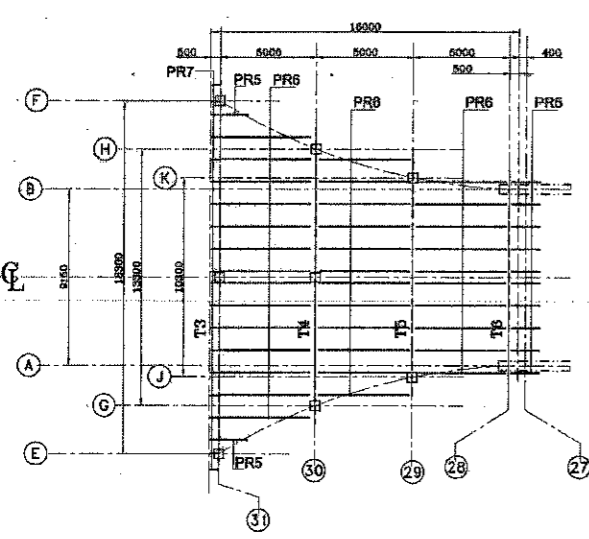
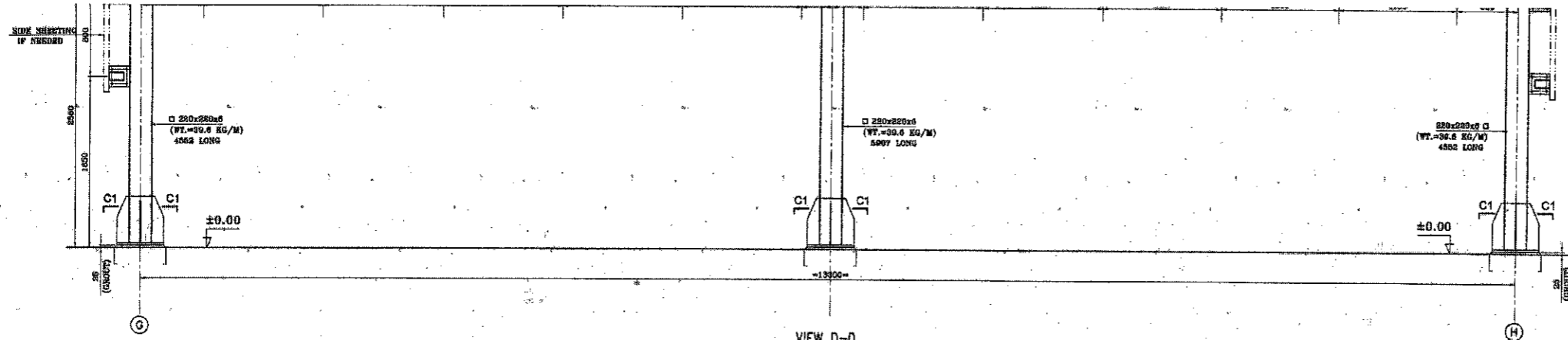
GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES AND ALL LEVELS ARE IN METRES ONLY UNLESS OTHERWISE MENTIONED.
- THE DRAWINGS SHOULD NOT BE SCALED OFF, ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
- ALL LEVELS MARKED ARE WITH RESPECT TO TOP OF R.C.C. WALL / COLUMN AS ±0.00 M.
- IF IN DOUBT, PLEASE ASK.

NOTES:-

- ASSUMED SAFE BEARING CAPACITY OF SOIL = 15 TON/SQ.M AT 2.50 M. DEPTH FROM N.G.L.
- UNLESS OTHERWISE SPECIFIED CONCRETE GRADE FOR R.C.C. WORK IS M-20 (1:1.5:3 BY VOL.)
- WATER PER BAG OF CEMENT 27 LTS.
- FOR HIGH YIELD STRENGTH DEFORMED BARS HAVING GUARANTEED YIELD STRENGTH 415 N/SQ.MM.
- DEFORMED REINFORCEMENT SHALL BE OF Fe-415 GRADE & CONFORM TO IS-1786.
- CEMENT SHALL BE OPC 43 GRADE CONFORMING TO IS-8112.
- MINIMUM CLEAR COVER TO REINFORCEMENT TO BE AS FOLLOWS -
1. FOOTINGS 50 MM, 2. COLUMNS 40 MM,
3. BEAMS 25 MM, 4. SLABS 20 MM
- STRIPPING TIME FOR COLUMN SHUTTERING MUST BE 24 HRS.
- LOCATION AND DETAILS OF CONSTRUCTION JOINTS IN CONCRETE STRUCTURES WHEREVER NOT SPECIFIED SHALL BE GOT APPROVED BY THE ENGINEER-IN-CHARGE.
- IF LENGTH OF THE BARS SHOWN IN THE DRAWING EXCEEDS THE MAXIMUM AVAILABLE BAR LENGTH, SPLICED BAR MAY BE SUBSTITUTED.
- LAP LENGTH FOR REINFORCEMENT SHALL BE 50 TIMES DIAMETER OF BARS.
- SPLICE LOCATION SHALL BE SUBJECTED TO APPROVAL OF THE ENGINEER-IN-CHARGE.
- LAPS SHALL BE STAGGERED IN SUCH A WAY THAT NOT MORE THAN 50% OF BARS ARE LAPPED AT ONE PARTICULAR SECTION.
- ALL CONCRETE SHALL BE MACHINE MIXED & MECHANICALLY VIBRATED.
- WELDING OF BARS WITH PERMISSION OF STRUCTURAL ENGINEER.
- STRIPPING TIME OF FORM WORK FOR R.C.C.-AS DECIDED BY SITE ENGINEER IN ACCORDANCE WITH IS-456/2000.
- REINFORCEMENT OF ALL THE CONCRETE ELEMENTS SHOULD BE GOT-APPROVED BEFORE CASTING.
- THE CONTRACTOR IS EXPECTED TO ARRANGE FOR COMPETENT TECHNICAL SUPERVISION OF WORK FOR ADHERENCE TO GOOD ENGINEERING PRACTICES & SPECIFICATION WORKING DRAWINGS TO ENSURE STRUCTURAL SAFETY.
- THE EXCAVATED AREA OF PLINTH/FOUNDATION TO BE REFILLED WITH MURRAM.
- LOCATION SHALL BE CONFIRM BY ENGINEER INCHARGE.

3.				
2.				
1.				
REVNO.	DESCRIPTION	DRNBY	CHECKED BY	DATE
				24/06/10
CHECKED & VERIFIED AT SITE DY.CE@KTT		SCALE	SHEET NO.	PAPER SIZE
		1:350, 1:20	1 OF 1	A1
PROJECT SUBWAY SHED FOR ROAD UNDER BRIDGE IN L.I.B.O.P.C. NO. 108-A		TITLE LAYOUT PLAN & DETAIL OF COLUMN, FOOTING & BOLT		
DRAWING NO. DY.CE@KTT/1350/R/10		SH-NP 7		



NOTES:-

- FOR NOTES REFER OUR DRG. NO. ST-01.
- THIS DRG. SHALL BE READ ALONG WITH OUR DRG. ST-03.

3.			
2.			
1.			
DESIGNED BY		CHECKED BY	DATE
D.Y.C.E. (S) RTT			05/07/10
CHECKED & VERIFIED AT SITE		TITLE	
SUBWAY SHED AT KOTA		FABRICATION DETAIL OF PORTAL T4	
PROJECT		DRAWING NO.	
SUBWAY SHED FOR ROAD UNDER BRIDGE IN LIEU OF I.C. NO. 100-A		SHEET NO.	
CADFILE:-		D.Y.C.E. (S) RTT / 1354 / RIB / 5	