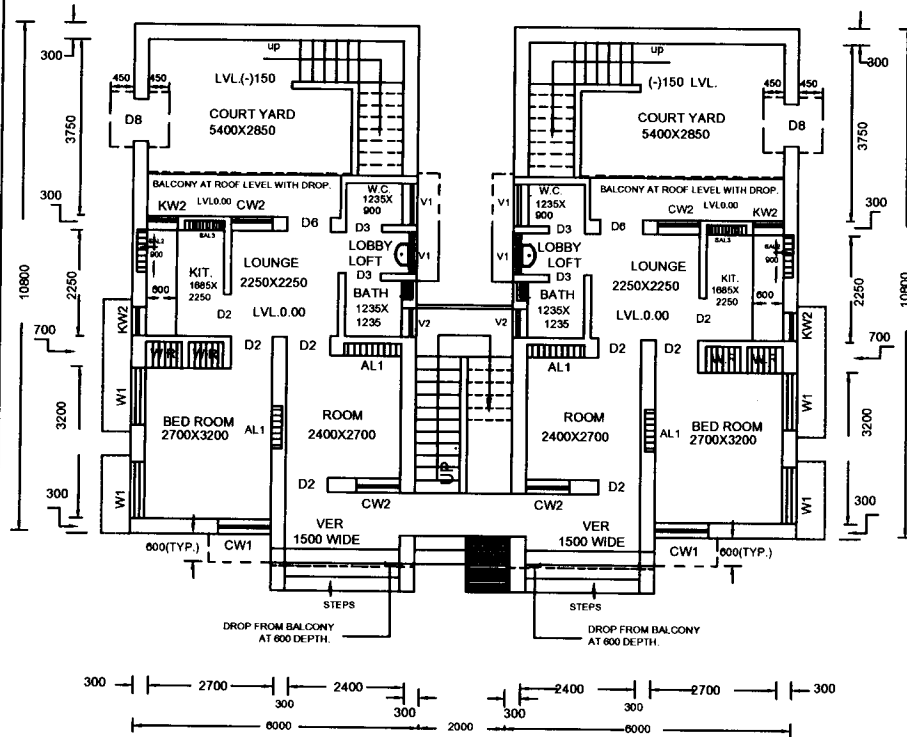


R5



GROUND FLOOR PLAN.

NOTES :-

TYPE R-5 (DRG.2003)

1. THIS DRAWING SUPERSEDES THE EARLIER DRG. NO 445/2K2 DT.31.1.2002
2. NO DIMENSION SHALL BE MEASURED FROM THE DRAWING.
3. ALL DIMENSIONS ARE IN MILIMETER.
4. PLINTH LEVEL OF THE BUILDING SHALL BE DECIDED BY S.E. (CIVIL)
5. FOUNDATION SECTION SHALL BE PROPERLY DESIGNED AND APPROVED BY S.E. CIVIL AFTER CONDUCTING SOIL INVESTIGATION.
6. LINTEL HEIGHT 2000MM.
7. CEILING HEIGHT 3000MM.
8. PARAPET HEIGHT 900MM.
9. KITCHEN WINDOW HEIGHT 1050 (900 OPENABLE +150 FIXED GLAZED)
10. IF SINGLE QRT. CONSTRUCTED STAIR SHALL BE PROVIDED FROM COURT YARD.
11. IF DOUBLE QTR.CONSTRUCTED CENTRAL STAIR CASE SHALL BE OPEN TO SKY.
12. IF DOUBLE STOREY QRT. CONSTRUCTED, COMMON STAIR CASE WITH HEAD ROOM TO BE PROVIDED.
13. RISE & TREAD NOT TO BE COUNTED FROM DRAWING.
14. ALL STEEL SECTION SHALL BE PAINTED WITH RED -OXIDE BEFORE FIXING.
15. WORK TO BE CARRIED OUT AS PER SPECIFIED GUIDE LINES & RELEVANT IS CODES.
16. ROOF OF W.C. TO BE SUNK BY 380MM.
17. 2000 WIDE COMMON APPROACH IN FRONT OF COMMON STAIRCASE PORTION SHALL BE PROVIDED AS INDICATED IN DRG.
18. IN CASE OF ANY DISCREPANCY IN THE DRAWING OR DIFFICULTY AT SITE, THIS OFFICE MUST BE REFERRED IMMEDIATELY PRIOR TO EXECUTION OF WORK.

JOINERY DETAILS:-

- 1-DOOR D2 900X2000 SINGLE LEAF ASSAM TEAK.
 D3 750X2000 SINGLE LEAF ASSAM TEAK.
 D6 900X2000 DOUBLE LEAF ASSAM TEAK.
 D8 1050X2000 DOUBLE LEAF STEEL.
- 2-WINDOW
 W1 1200X1200 STEEL.
 W2 900X1200 STEEL.
 CW1 1200X1200 STEEL.(COOLER WINDOW)
 CW2 900X1200 STEEL.(COOLER WINDOW)
 KW2 600X1050 STEEL.
- 3-VENT V1 900X450 STEEL.
 V2 600X450 STEEL.
- 4-ALMIRAH
 AL1 1200X1900
 SAL2 900X1200
 SAL3 750X1200

Chief Engineer (Civil)

OFFICE OF THE CHIEF ENGINEER (CIVIL)
R.R.V.P.N.LTD. JAIPUR.

PLAN OF R-5 TYPE QTR.(TYPE DESIGN)2003

DRAWN BY:-	CHECKED BY:-	DRG.NO. 496/2K3
(O.P.PAREEK) DMAN-II	AEN(C-DESIGN)	SCALE:- N.T.S.
SUBMITTED BY.	RECOMMENDED BY.	DATE:- 28.5.2003
XEN(C-DESIGN)	T.A. TO C.E.(CIVIL)	APPROVED BY:- CHIEF ENGINEER(C)

TYPE R-5 (DRG.2001)

NOTE:-

1. THIS IS AN INDICATIVE DRAWING OF ROOF DRAINAGE.
2. MINIMUM SLOPE TO BE PROVIDED 1:60.

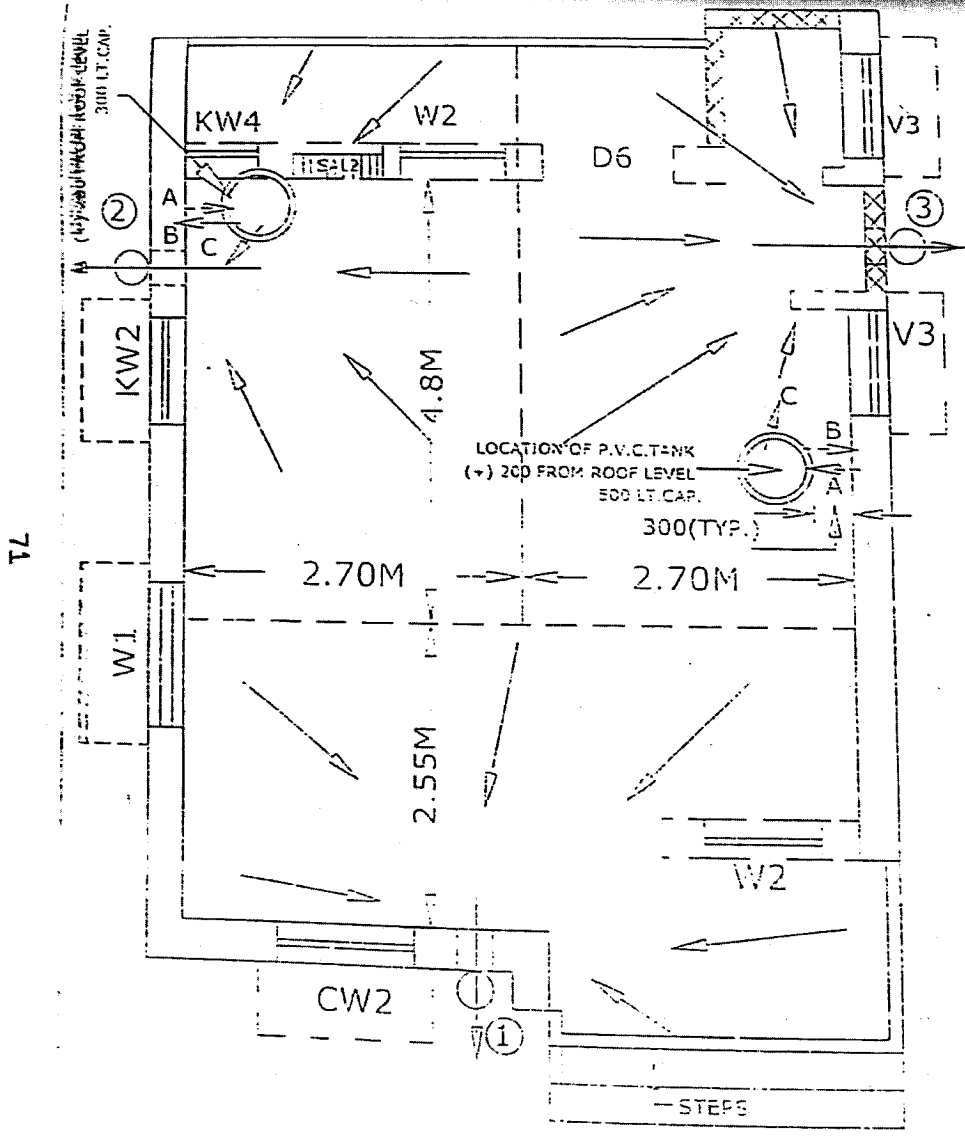
INDEX:-

- A- INLET G.I. PIPE
- B- OUT LET G.I. PIPE.
- C- OVER FLOW/WASHOUT G.I. PIPE.

Chief Engineer (Civil)
R.R.V.P.N.L., JAIPUR.

OFFICE OF THE ADDL. CHIEF ENGINEER (CIVIL)
 R.R.V.P.N.LTD. JAIPUR.
 ROOF DRAINAGE SYSTEM FOR R-5 TYPE QTR.

DRAWN BY:- <i>[Signature]</i> (O.P. PAREEN) D/MAN-II	CHECKED BY:- <i>[Signature]</i> A/E (C-DESIGN)	DWG. NO. :- SCALE:- N.T.S. DATE:-
SUBMITTED BY:	RECOMMENDED BY:	APPROVED BY:
<i>[Signature]</i> A/E (C-DESIGN)	<i>[Signature]</i> A/E (C-DESIGN)	<i>[Signature]</i> Chief Engineer

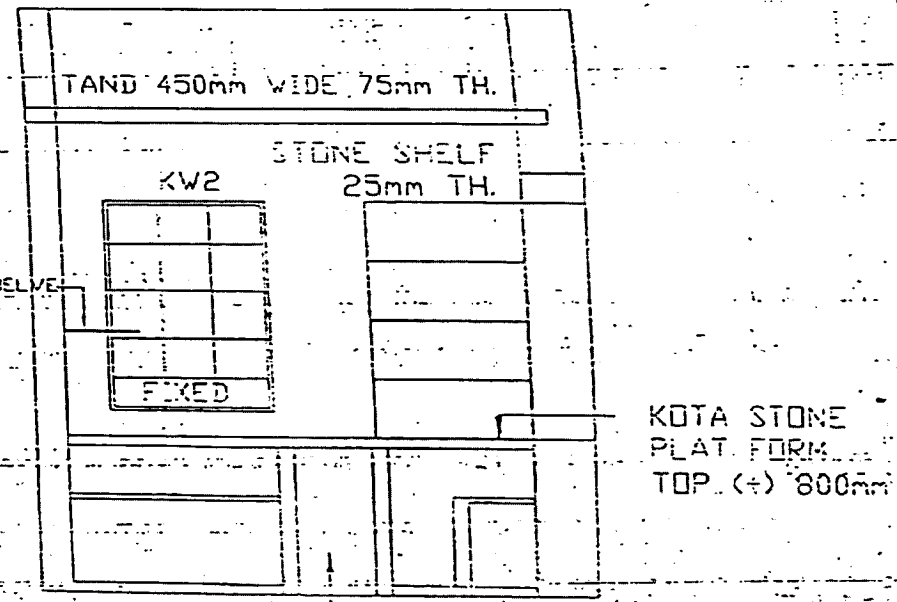
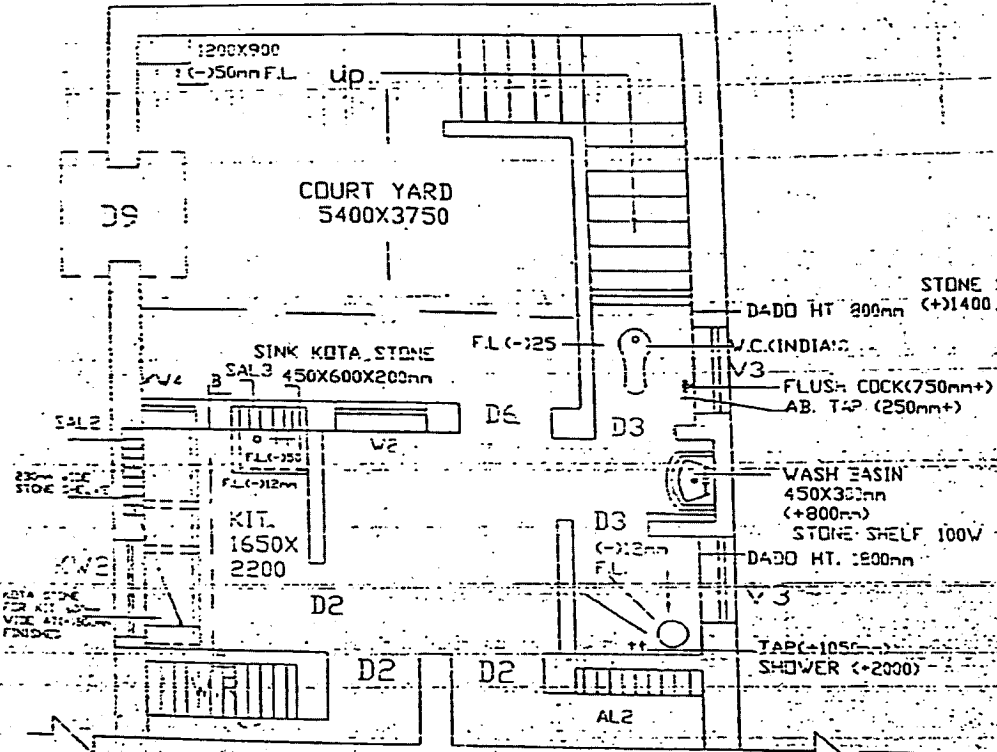


71

KIT & TOILET DETAILS OF R-5 TYPE QTR.(2001)

SHEET-2/2

ROOF LEVEL



DETAIL FOR KITCHEN

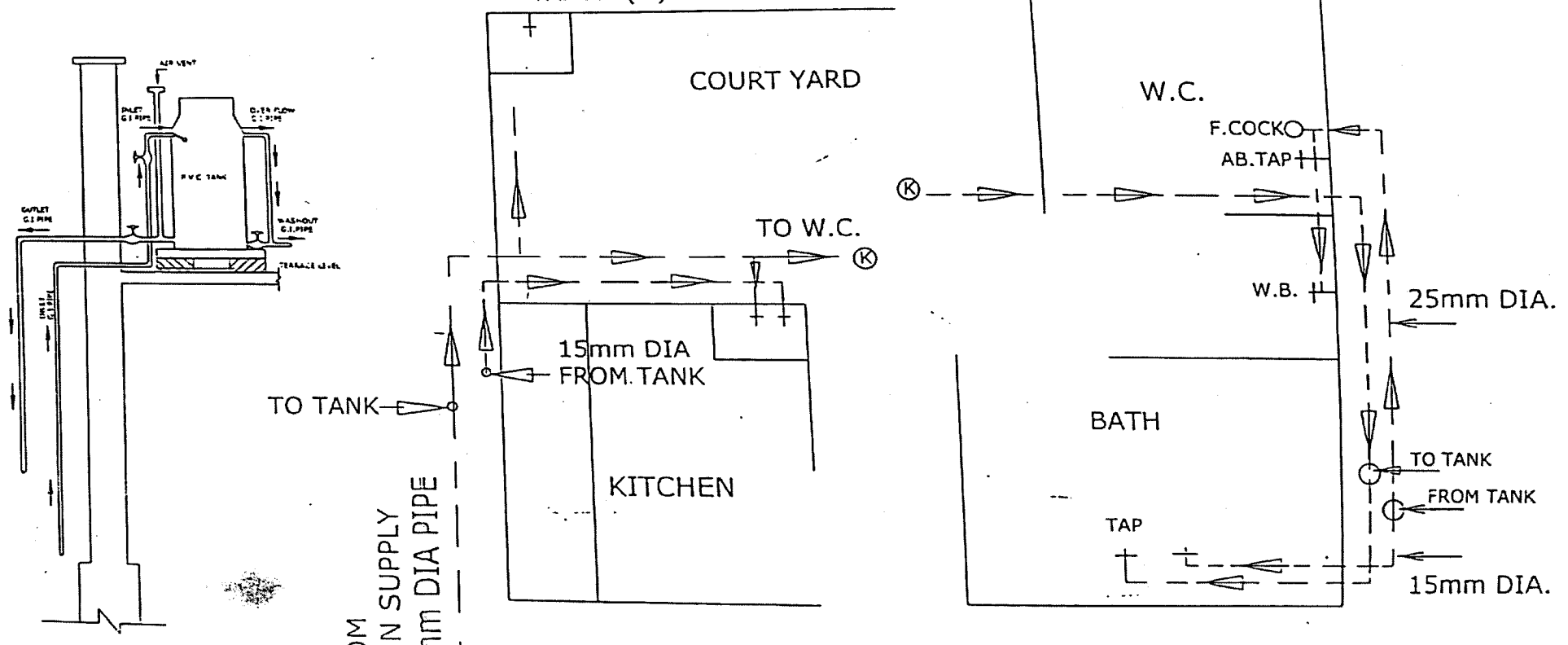
SECTIONAL DETAIL FOR KITCHEN

Chief Engineer (Civil)
R.R.V.P.N.L. JAIPUR

OFFICE OF THE ADDL CHIEF ENGINEER(CIVIL) R.R.V.P.N.LTD, JAIPUR		
KITCHEN & SANITARY DETAILS FOR R-5 TYPE QTR.(2001)		
DRAWN BY- SAL3 (S.PAREEK) (JANU)	CHECKED BY- SAL3 (S.PAREEK)	DWG NO 375/2/1 SCALE- 1/4"=1'-0" DATE- 11-1-2011
SUBMITTED BY- SAL3	OFFICER IN CHARGE BY- SAL3	APPROVED BY- SAL3
DESIGNED BY- SAL3	CHECKED BY- SAL3	APPROVED BY- SAL3

DETAILS OF WATER SUPPLY SYSTEM FOR R5 TYPE QTR.(2001)

TAP AT (+)600



72

PLACEMENT DETAIL OF P.V.C. TANK(TYP.)

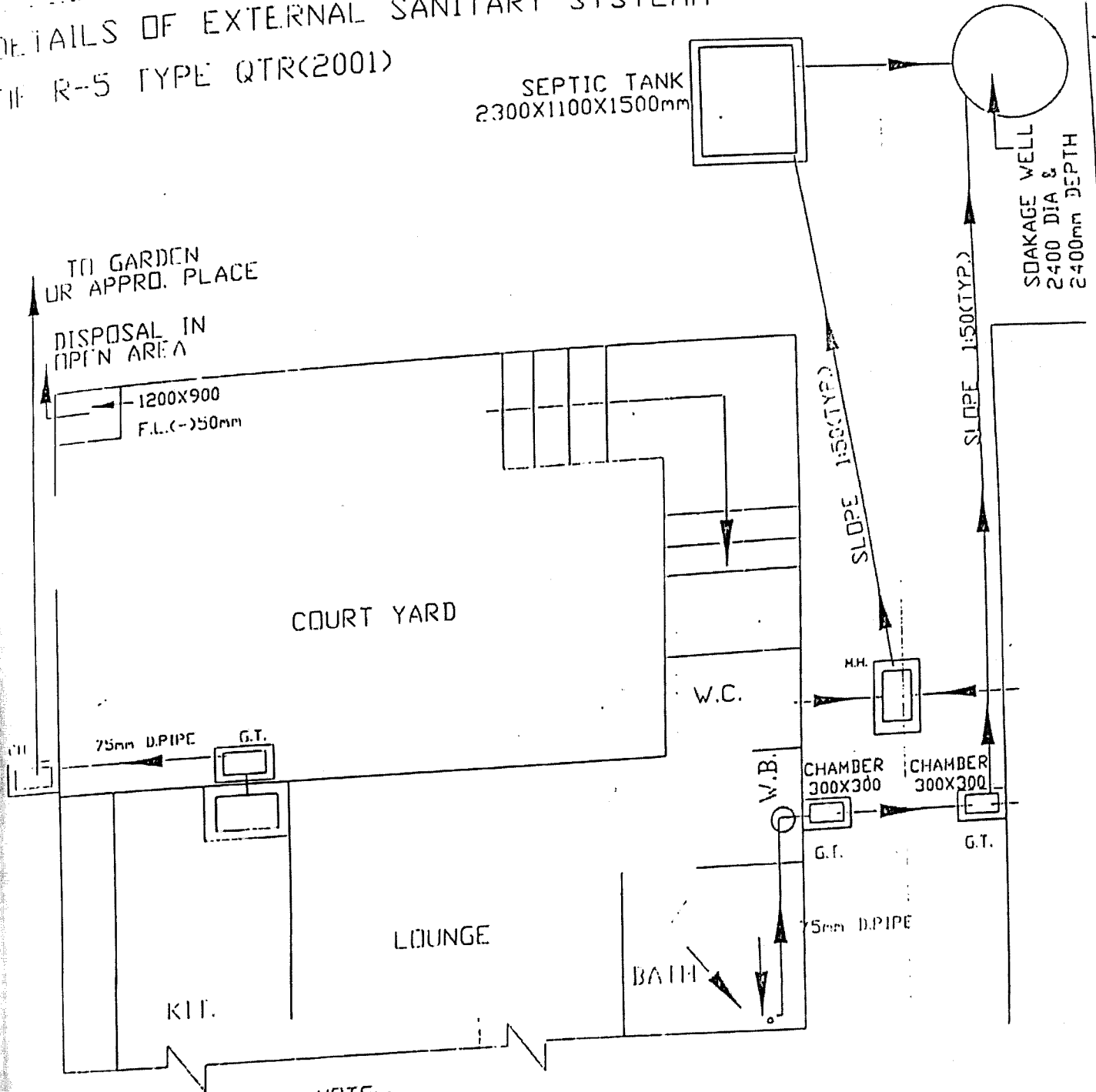
FROM MAIN SUPPLY
15mm DIA PIPE

Chief Engineer (Civil)
R.R.V.P.N.L., JAIPUR

OFFICE OF THE ADDL. CHIEF ENGINEER (CIVIL) R.R.V.P.N.LTD., JAIPUR		
WATER SUPPLY SYSTEM FOR R5 TYPE QTR.(2001)		
DRAWN BY: <i>(Signature)</i> (G.P. PAREEK) D/MAN-II	CHECKED BY: <i>(Signature)</i> AENIC-DESIGN:	DRG. NO 407/2 K1 SCALE:- N.T.S. DATE:- 11-5-2001
SUBMITTED BY: <i>(Signature)</i> AENIC-DESIGN:	RECOM BY: <i>(Signature)</i> T.A TO ACEIC:	APPROVED BY: <i>(Signature)</i> ADDL. CHIEF ENGINEER (C)

DETAILS OF EXTERNAL SANITARY SYSTEM
 R-5 TYPE QTR(2001)

SHEET-1/2

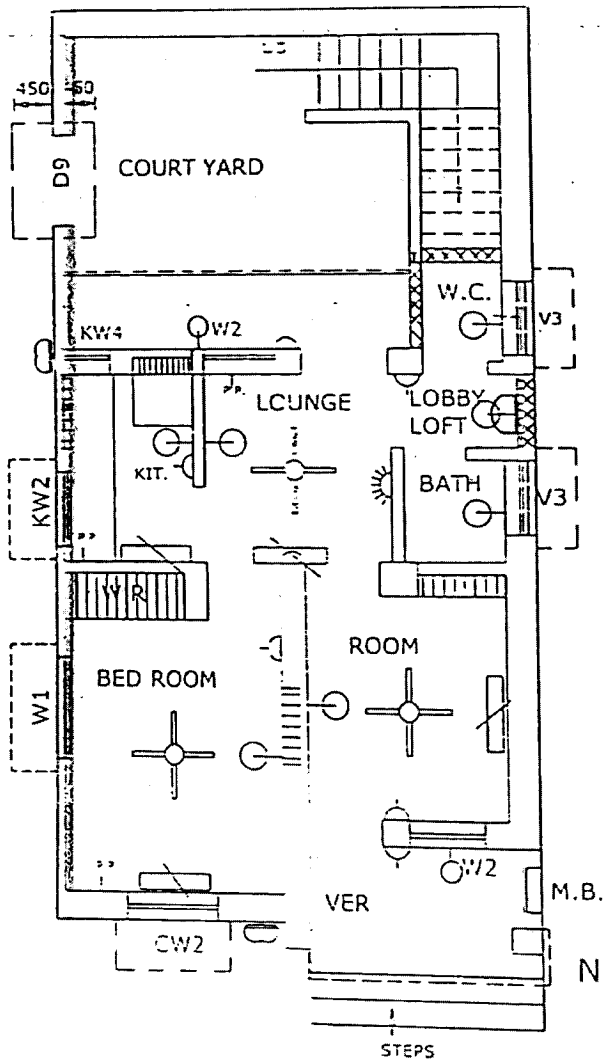


NOTE:-

1. THIS IS AN INDICATIVE DRAWING, IF ANY CHANGE IS REQUIRED THE SAME SHALL BE REFERRED TO THIS OFFICE.
2. TOP LEVEL OF MANHOLE, SEPTIC TANK, SOAKAGE WELL AND OTHER CHAMBERS SHALL BE 100mm ABOVE THE FINISHED G.L.
3. MIN. SLOPE FOR S.W. & A.C. PIPE LINE SHALL BE 1:50
4. HT. OF COWEL SHALL BE 1750mm ABOVE THE TERRACE LEVEL.
5. CONCEALED G.I. PIPE SHALL BE PROVIDED ON INNER SIDE OF KITCHEN AND TOILET ALONG THE WALLS AS FAR AS POSSIBLE.
6. SLOPE IN TOILET FLOOR SHALL BE 1:60 TOWARDS FLOOR TRAP.
7. ALL MANHOLE COVERS AND FRAMES SHALL BE PAINTED WITH ANTIACIDIC PAINT.

Chief Engineer (Civil)
R.R.V.P.N.L., JAIPUR

ELECTRIFICATION OF R-5 TYPE QTR. (DRG.2001)



1. LIGHT POINT	⊙
2. FAN POINT	⊕
3. TUBE LIGHT POINT	⊔
4. BULK HEAD FITTING	⊖
5. SWITCH BOARD	⊓
6. TWO WAY POINT ON BOARD	∞
7. POWER POINT	P.P.
8. CEILING FITTING	○
9. EXHAUST FAN	⊗
10. BELL POINT	☀

BOTTOM LEVEL OF SWITCH BOARD	1200mm
BOTTOM LEVEL OF POWER POINT IN ROOMS	1200mm
LEVEL OF POWER POINT IN KITCHEN ABOVE PLATE FORM	450mm

Chief Engineer (Civil)
R.R.V.P.N.L., JAIPUR

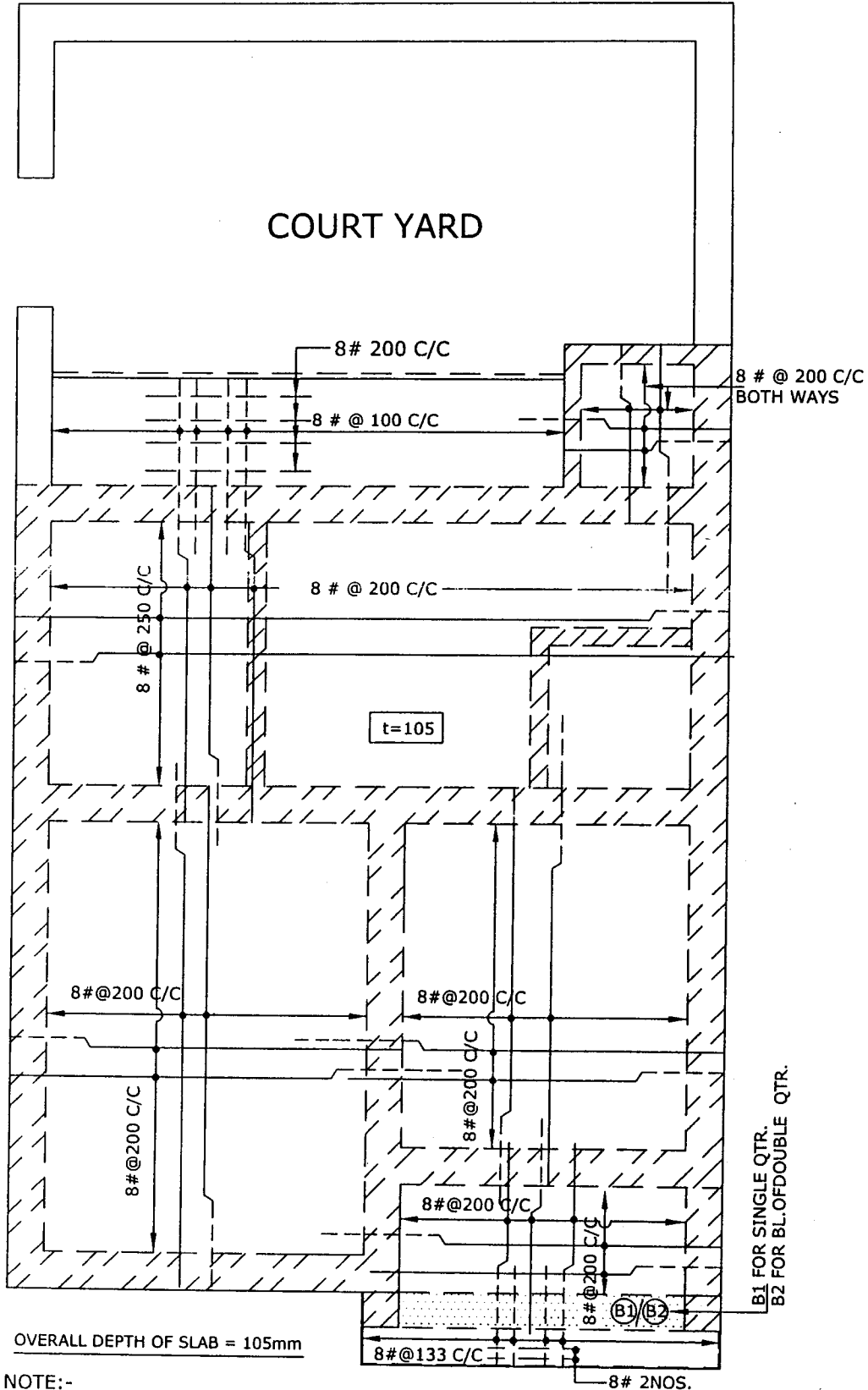
NOTE:- (I) ACCESSORIES SHALL BE PROVIDED AS PER APPROVED MAKE/GUIDE LINES.

OFFICE OF THE ADDL. CHIEF ENGINEER (CIVIL) R.R.V.P.N.LTD. JAIPUR.		
ELECTRIFICATION OF R-5 TYPE QTR. (DRG. 2001)		
DRAWN BY: <i>[Signature]</i> (30 P.P. FILE - DIMENSIONS)	CHECKED BY: <i>[Signature]</i> A.E.C. DESIGN	DRG. NO. 403/AL SCALE - N.T.S. DATE - 11-6-2011
SUBMITTED BY: <i>[Signature]</i> A.E.C. DESIGN	RECOMMENDED BY: <i>[Signature]</i> T.A. TO A.C.E.	APPROVED BY: <i>[Signature]</i> ADDL. CHIEF ENGINEER

107
12
144
152
38
33
22
36
4-225
4-3

SLAB RIENFORCEMENT DETAIL FOR R-5 TYPE QTR.

SHEET OF 1/2



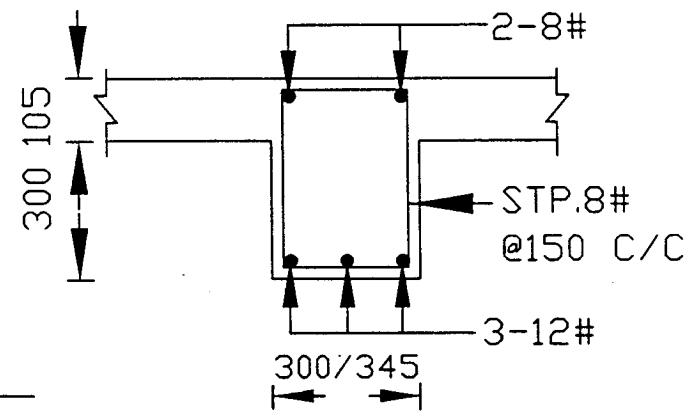
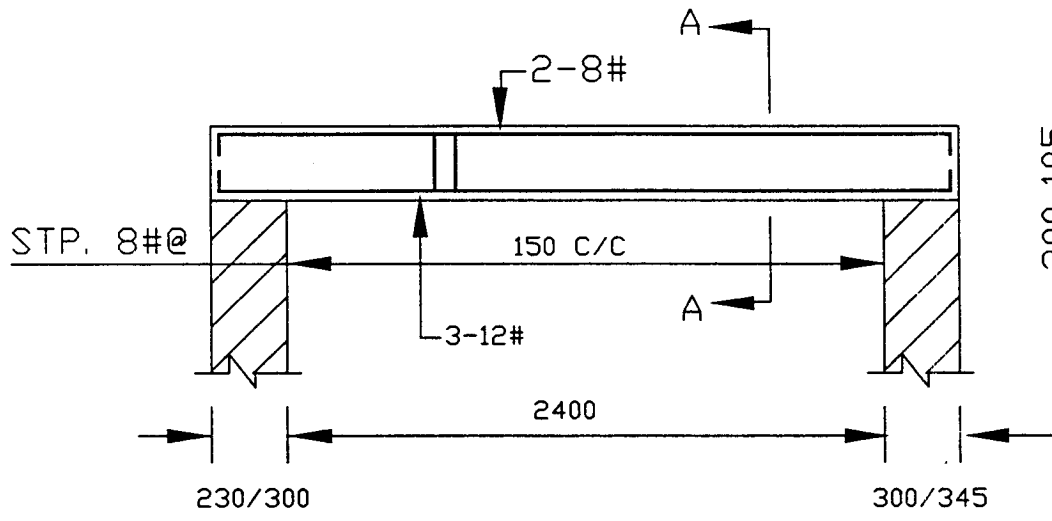
NOTE:-

PARDI WALL TO BE KEPT BELOW THE ROOF DURING CASTING OF R.C.C. SLAB, ONLY AFTER REMOVING OF SHUTTERING IT SHOULD BE ERECTED UP TO ROOF.

Chief Engineer (Civil)
F.R.V.P.N.L., JAIPUR

DETAIL OF BEAM B1 (FOR SINGLE QTR.)

R-5 QTR.
SHEET 2 OF 2



SECTION AT A-A

NOTE:-

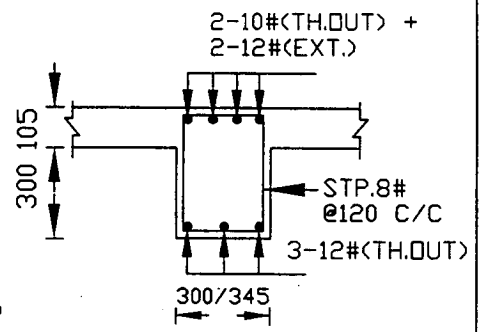
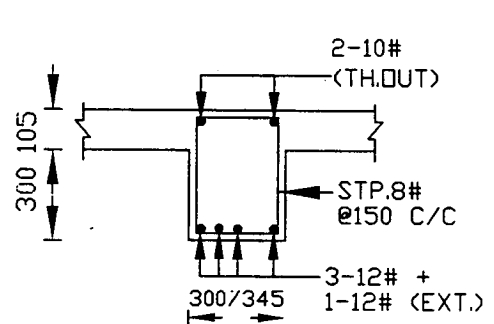
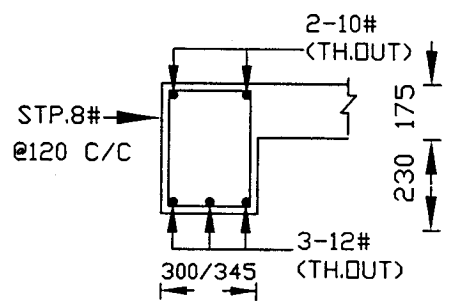
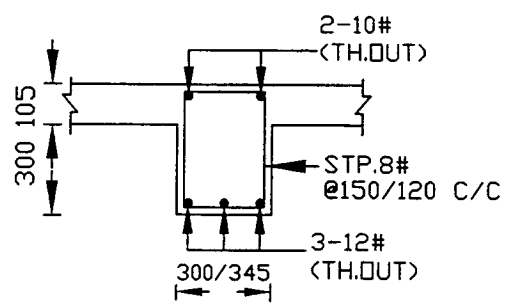
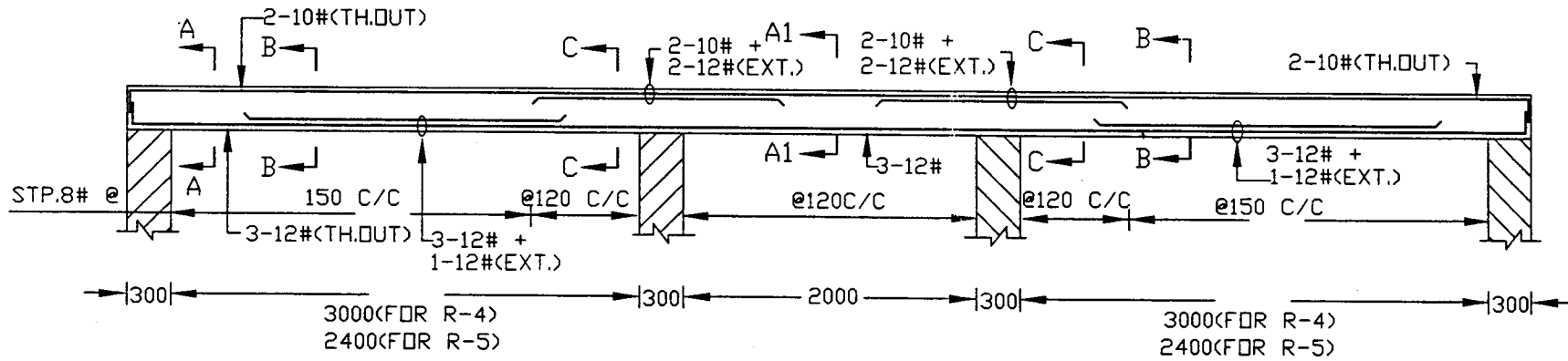
- 1-FOR DETAIL OF BEAM B-2(FOR BLOCK OF 2 QTRS.)REFER SHEET 3 OF 4 OF R-4 /R-5 QTR.
- 2-FOR DETAIL OF STAIR CASE REFER SHEET 4 OF 4 OF R-4 /R-5 QTR.

[Handwritten Signature]
 S. P. V. PUR

DETAIL FOR BEAM B2 (FOR BLOCK OF 2 QTRS.)

FOR R-4 AND R-5 TYPE QTRS.

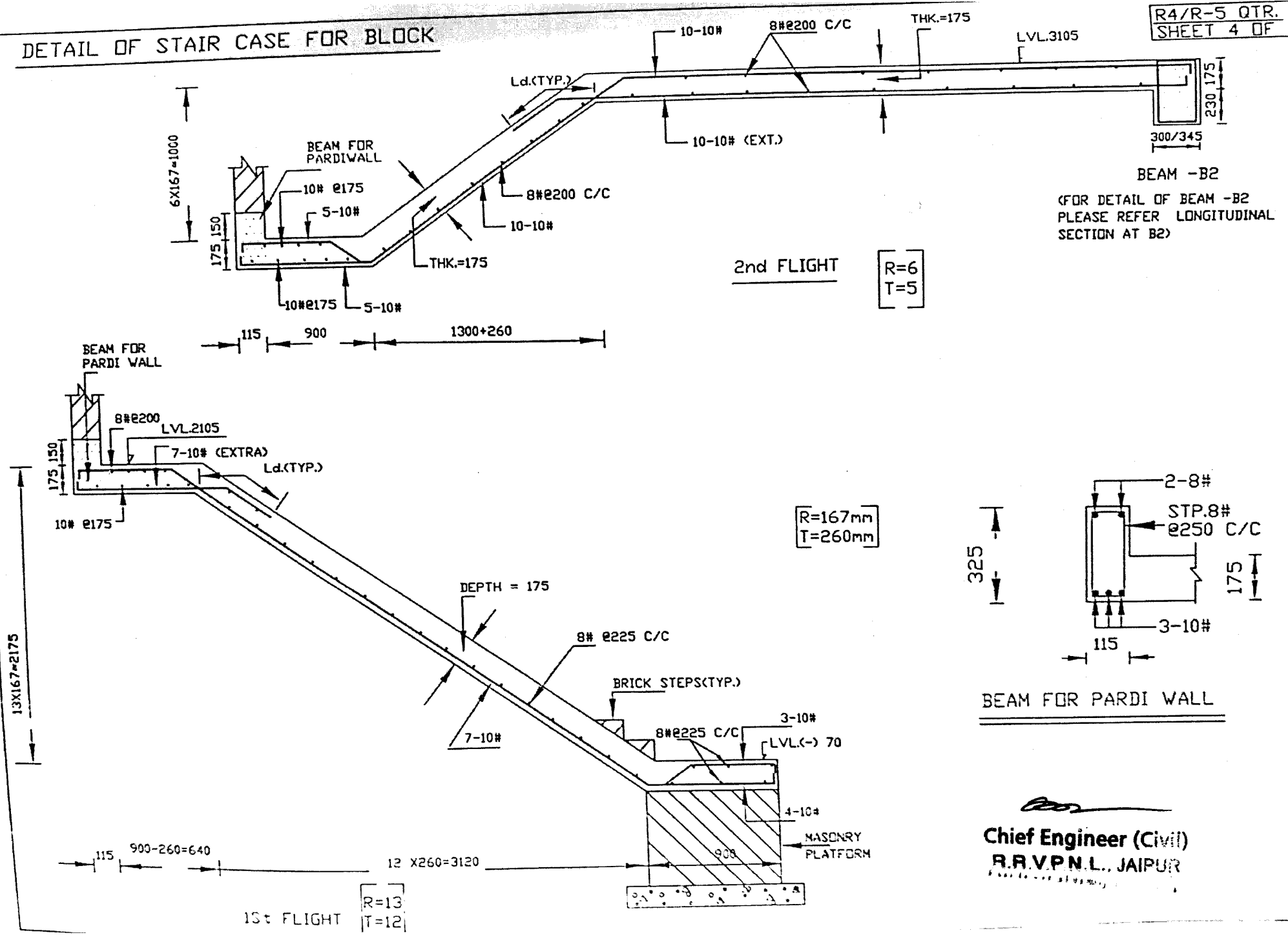
R-4/R-5 QTR.
SHEET 3 OF 4



Chief Engineer (Civil)

92

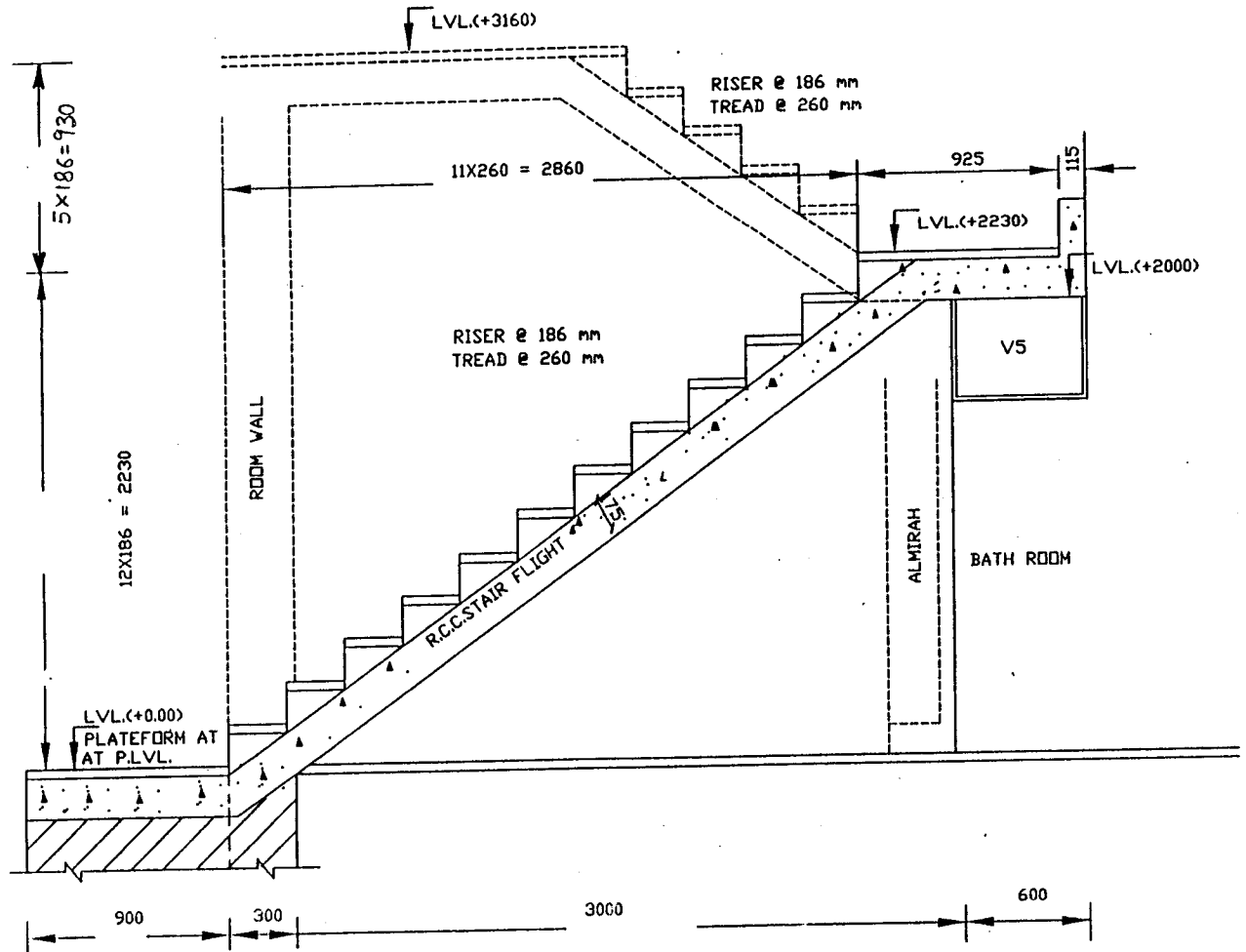
DETAIL OF STAIR CASE FOR BLOCK



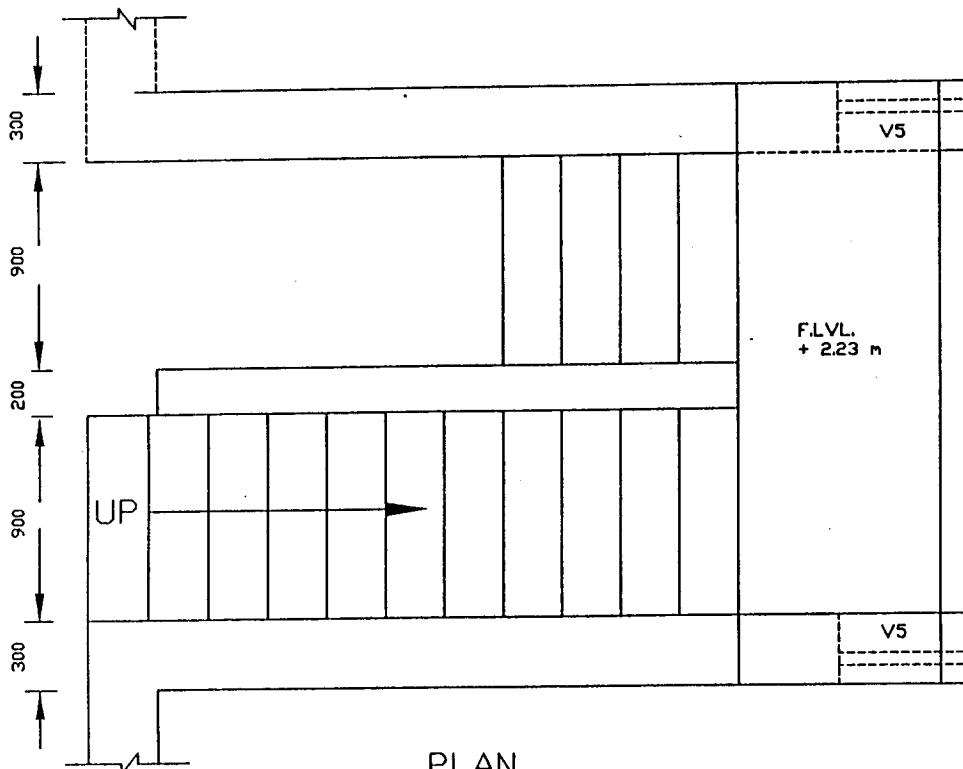
BEAM -B2
(FOR DETAIL OF BEAM -B2
PLEASE REFER LONGITUDINAL
SECTION AT B2)

BEAM FOR PARDI WALL

Chief Engineer (Civil)
R.R.V.P.N.L., JAIPUR

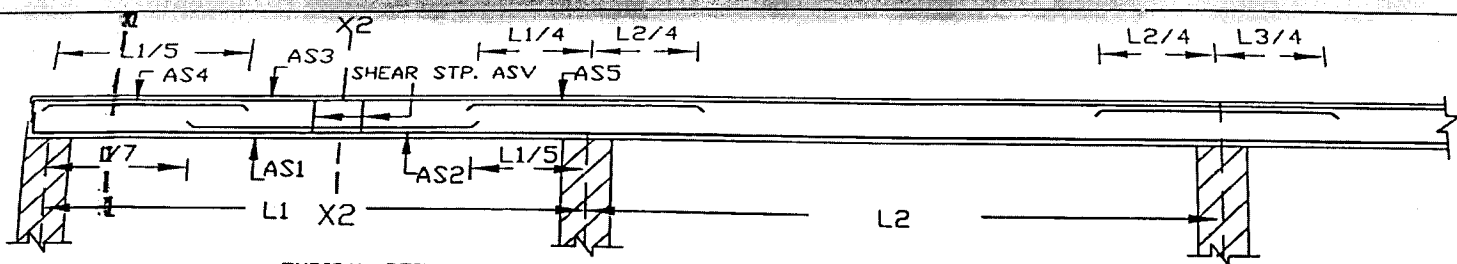


ELEVATION

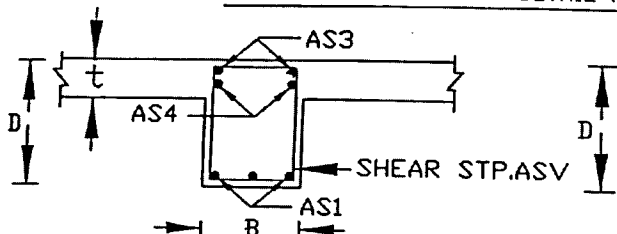


PLAN

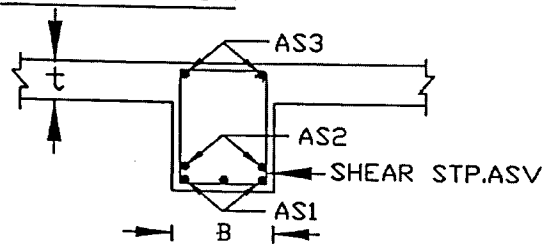
Chief Engineer (Civil)
 DETAILS OF STAIR CASE R-5 TYPE QTR. J.A.M.V.N. JAIPUR



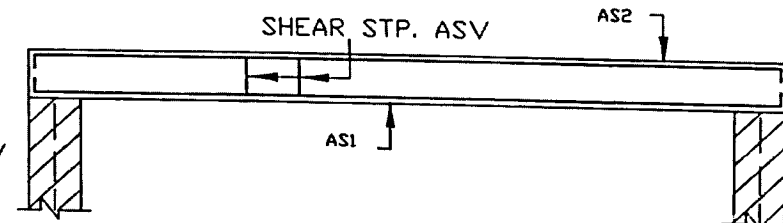
TYPICAL REINFORCEMENT DETAIL FOR CONTINUOUS BEAM



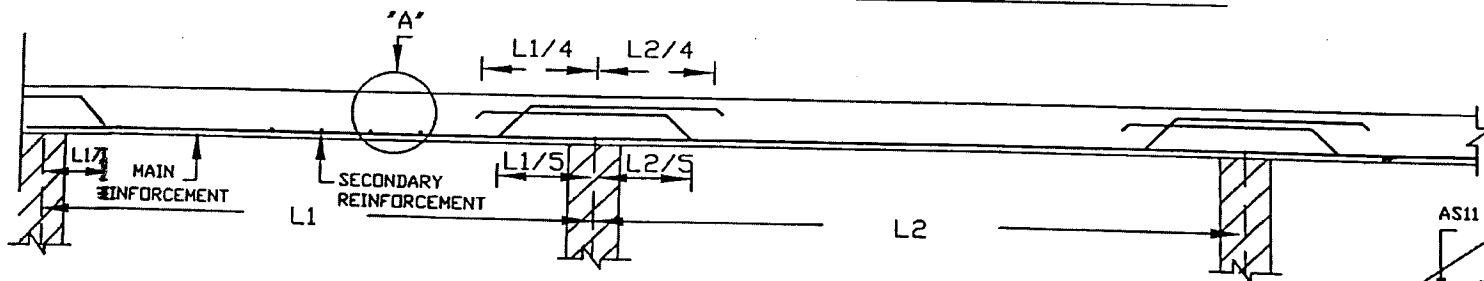
SECTIONAL DETAIL OF BEAM AT X1-X1



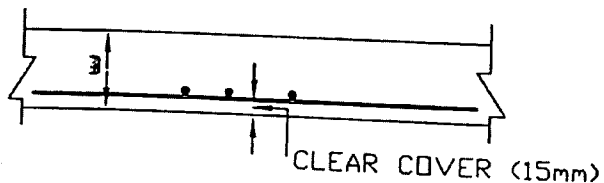
SECTIONAL DETAIL OF BEAM AT X2-X2



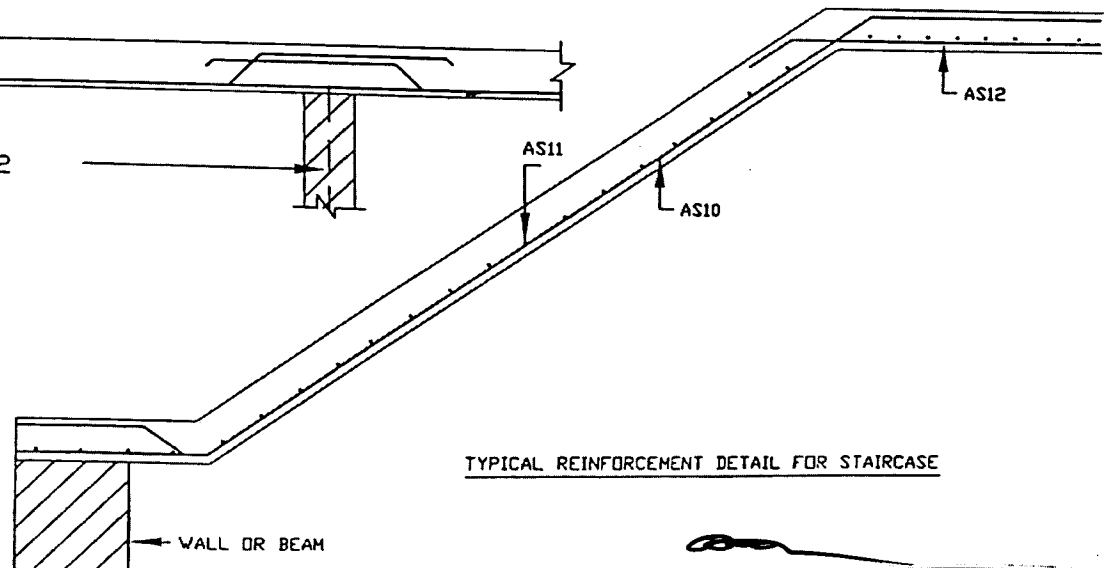
TYPICAL REINFORCEMENT DETAIL FOR SINGLE SPAN BEAM



TYPICAL REINFORCEMENT DETAIL FOR SLAB



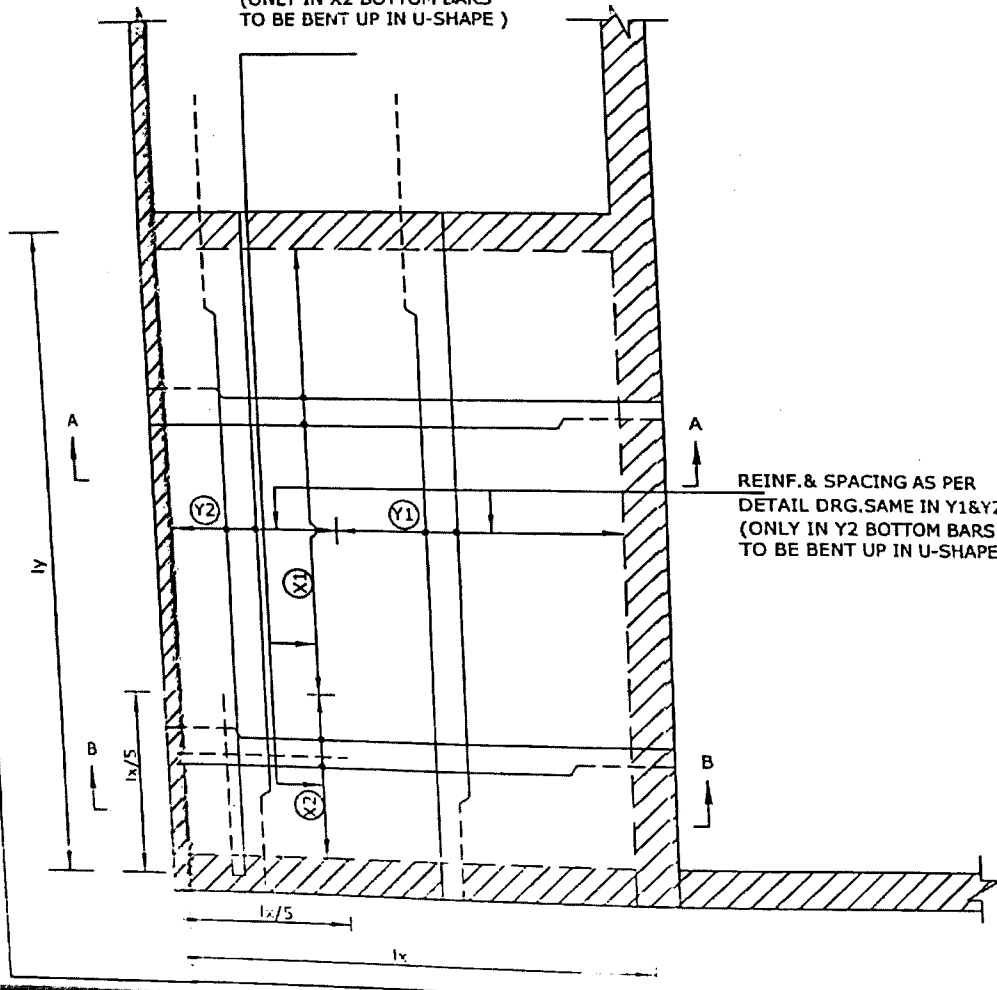
TYP. VIEW 'A' OF SLAB



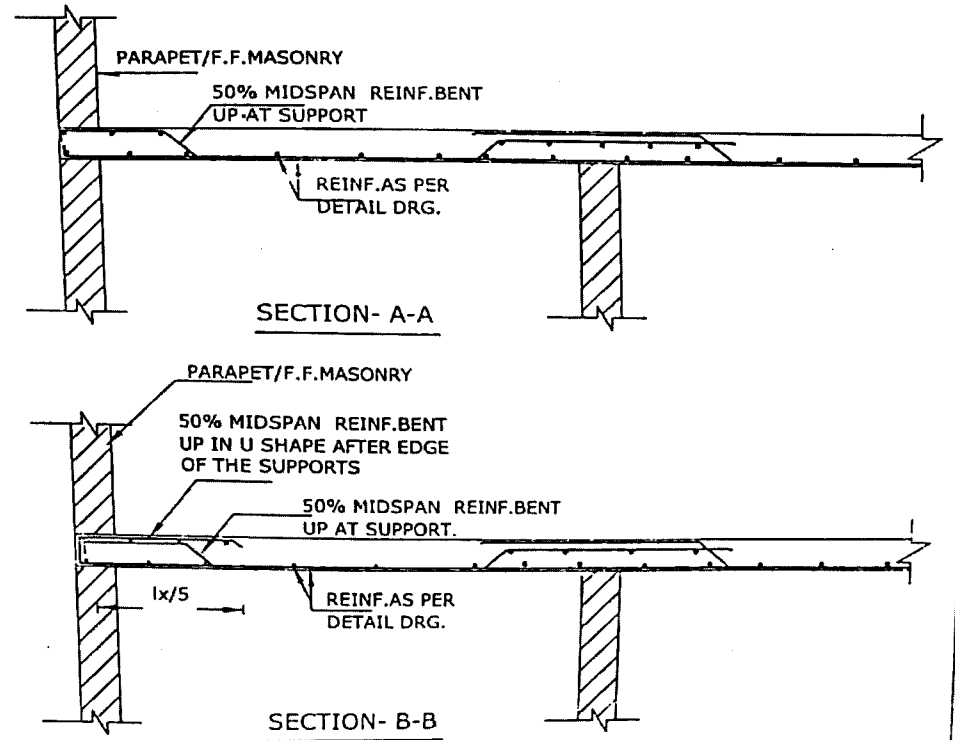
TYPICAL REINFORCEMENT DETAIL FOR STAIRCASE

TYPICAL CORNER REINF. FOR SLAB (R2 TO R-5 TYPE QTR.)
 (ASSUMING CORNERS ARE HELD DOWN/PREVENTED FROM LIFTING UP)

REINF. & SPACING AS PER
 DETAIL DRG. SAME IN X1&X2
 (ONLY IN X2 BOTTOM BARS
 TO BE BENT UP IN U-SHAPE)

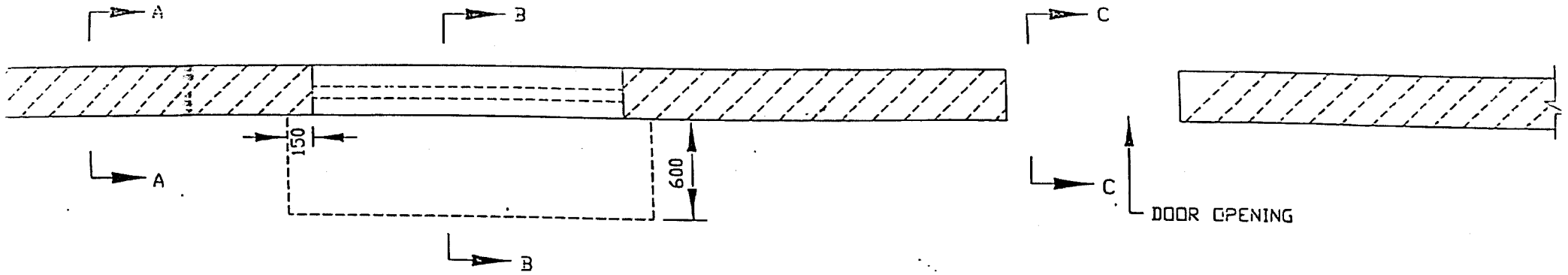


REINF. & SPACING AS PER
 DETAIL DRG. SAME IN Y1&Y2
 (ONLY IN Y2 BOTTOM BARS
 TO BE BENT UP IN U-SHAPE)

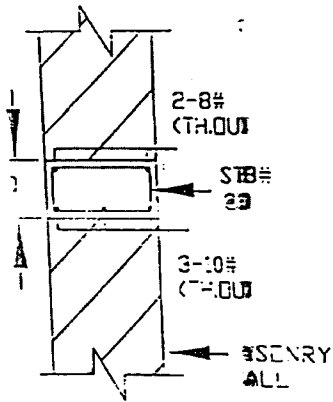


Chief Engineer (Civil)
 R.R.V.P.N.L., JAIPUR

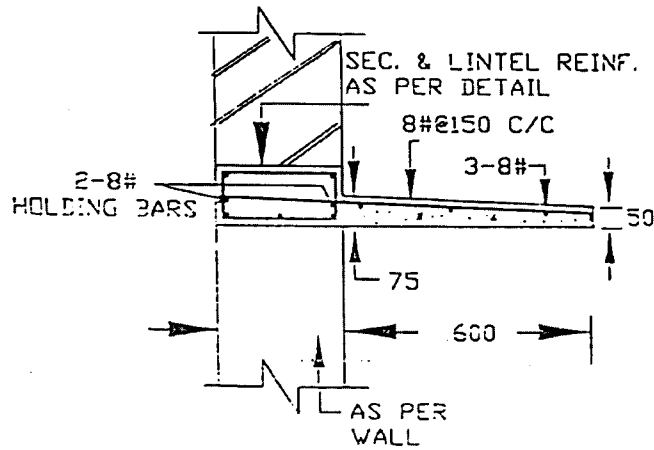
TYPICAL LINTEL DETAILS



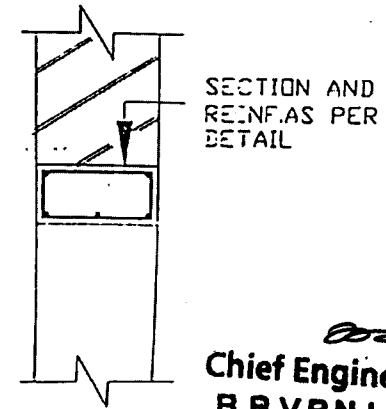
TYP. MASONRY PLAN



SEC.-A-A



SEC.-B-B



SEC.-C-C

[Signature]
Chief Engineer (Civil)
R.R.V.P.N.L., JAIPUR

DESIGN STATEMENT OF LINTELS
(1) RESIDENTIAL BUILDINGS

LOCATION EXISTING DETAILS	S.NO	SPAN		DESIGNED DEPTH (CM)	RAEINFORCEMENT		SHEAR STIRRUPS	REMARKS
		CLEAR	EFFECTIVE		BOTTOM	TOP		
For $\frac{h}{b}=3$ (A) (Lint provided with chajja.)	1.	1.80 M	2.10 M	20 Cm.	10 mm.# 5 Nos.	8 mm # 2 Nos.	8 mm # @ 300 mm. C/C (2 L)	Arch.action not possible for all span upto 1.05 M.
	2.	1.50 M	1.80 M	15 Cm.	10 mm.# 5 Nos.	8 mm # 2 Nos	-do-	
	3.	1.20 M	1.50 M	15 Cm	10 mm.# 3 Nos.	8 mm # 2 Nos	-do-	
	4.	1.05 M	1.35 M	15 Cm	10 mm.# 3 Nos.	8 mm # 2 Nos	-do-	
	5.	0.90 M	1.20 M	15 cm.	10 mm.# 3 Nos	8 mm # 2 Nos	-do-	Min.as per ring beam
	6.	0.60 M	0.90 M	15 cm.	10 mm.# 3 Nos	8 mm # 2 Nos	-do-	Min.as per ring beam
	7.	RING BEAM		15 cm.	10 mm.# 3 Nos	8 mm # 2 Nos	-do-	For all locations.

LOCATION EXISTING DETAILS	S.NO	SPAN		DESIGNED DEPTH (CM)	RAEINFORCEMENT		SHEAR STIRRUPS	REMARKS
		CLEAR	EFFECTIVE		BOTTOM	TOP		
For $\frac{h}{b}=3$ (B) (Lint provided with chajja.)	1.	1.80 M	2.10 M	20 Cm.	10 mm.# 5 Nos.	8 mm # 2 Nos.	8 mm # @ 300 mm. C/C (2L)	Arch.action not possible for all span upto 1.05 M.
	2.	1.50 M	1.80 M	15 Cm.	10 mm.# 5 Nos.	8 mm # 2 Nos	-do-	
	3.	1.20 M	1.50 M	15 Cm	10 mm.# 4 Nos.	8 mm # 2 Nos	-do-	
	4.	1.05 M	1.35 M	15 Cm	10 mm.# 3 Nos.	8 mm # 2 Nos	-do-	
	5.	0.90 M	1.20 M	15 cm.	10 mm.# 3 Nos	8 mm # 2 Nos	-do-	Min.as per ring beam
	6.	0.60 M	0.90 M	15 cm.	10 mm.# 3 Nos	8 mm # 2 Nos	-do-	Min.as per ring beam
	7.	RING BEAM		15 cm.	10 mm.# 3 Nos	8 mm # 2 Nos	8 mm # @ 300 mm. C/C (2 L)	For all locations.

R.C Details of Chajja:- Width = 600 mm. . thickness at support = 75 mm
thickness at free end = 50 mm.

Main reinforcement 8 mm # @ 150mm C/C(Top)
with development length embedded in lintel.
Temp and shrinkage reinforcement 8mm # (3 Nos.)

Chief Engineer (Civil)
R.A.V.P.N.L., JAIPUR

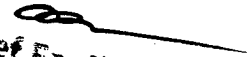
DESIGN STATEMENT OF LINTELS
(2) CONTROL ROOM BUILDING(FRAMED)

LOCATION WITH EXISTING DETAILS	S.NO	SPAN		DESIGNED DEPTH (CM)	RAEINFORCEMENT		SHEAR STIRRUPS	REMARKS
		CLEAR	EFFECTIVE		BOTTOM	TOP		
A) Hall portion b=300mm(Details for both condition with chajja & without chajja.)	1.	2.40 M	2.70 M	25 Cm.	10 mm.# 5 Nos.	8 mm # 2 Nos	8mm # @ 300mm C/C (2L)	Framed structure(details same for lintels with Chajja or without chajja)
	2.	1.80 M	2.10 M	20 Cm.	10 mm.# 3 Nos.	8 mm # 2 Nos	-do-	-do-
	3.	1.20 M	1.50 M	15 Cm	10 mm.# 3 Nos.	8 mm # 2 Nos	-do-	-do-
	4.	RING BEAM		15 Cm	10 mm.# 3 Nos.	8 mm # 2 Nos	-do-	-do-
B) Administrative block. b=300 mm (Details for both condition with chajja and without chajja)	1.	2.40 M	2.70 M	25 Cm.	10 mm.# 5 Nos.	8 mm # 2 Nos	8mm # @ 300mm C/C (2L)	Framed structure(details same for lintels with Chajja or without chajja)
	2.	1.80 M	2.10 M	20 Cm.	10 mm.# 3 Nos.	8 mm # 2 Nos	-do-	-do-
	3.	1.50 M	1.80 M	15 Cm	10 mm.# 3 Nos.	8 mm # 2 Nos	-do-	-do-
	4.	1.20 M	1.50 M	15 Cm	10 mm.# 3 Nos.	8 mm # 2 Nos	-do-	-do-
	5.	RING BEAM		15 Cm	10 mm.# 3 Nos.	8 mm # 2 Nos	-do-	-do-

R.C.C. Details of Chajja:- Width = 600 mm. . thickness at support = 75 mm
thickness at free end = 50 mm.

Main reinforcement 8 mm # @ 150mm C/C(Top)
with development length embedded in lintel.

Temp and shrinkage reinforcement 8mm# (3Nos.)


 Chief Engineer (Civil)
 H.R.V.P.A.L.