

GOOD FOR  
CONSTRUCTION

PROPOSED TYPICAL PUMP ROOM  
FIRE HYDRANT & SUMP ROOM

GROUND FLOOR OPENING SCHEDULE

DOOR & WINDOW				
NOS.	SIZE	ISILL	INTEL	REMARKS
D	1.200 X 2.400	0.000	2.400	
V	1.200 X 0.600	1.800	2.400	MS

TOTAL BUILTUP AREA = 34.930 SQ.MT.

TOTAL CAPACITY = 50000 LTR

EE ELE  
Executive Engineer (Electrical)  
G.S.P.H.C.L.  
Gandhinagar.

IC/SE -02  
Superintending Engineer  
Gujarat State Police Housing Corporation Ltd  
Gandhinagar.

ARCHITECT  
J.M. BHALANI  
ARCHITECT  
CA/98/24044  
Gujarat State Police  
Housing Corporation Ltd.  
Gandhinagar

MD.SIR  
APPROVED BY  
MANAGER DIRECTOR  
G.S.P.H.C. LTD.  
GANDHINAGAR  
Dt.....

REV. NO.	DATE	PARTICULARS
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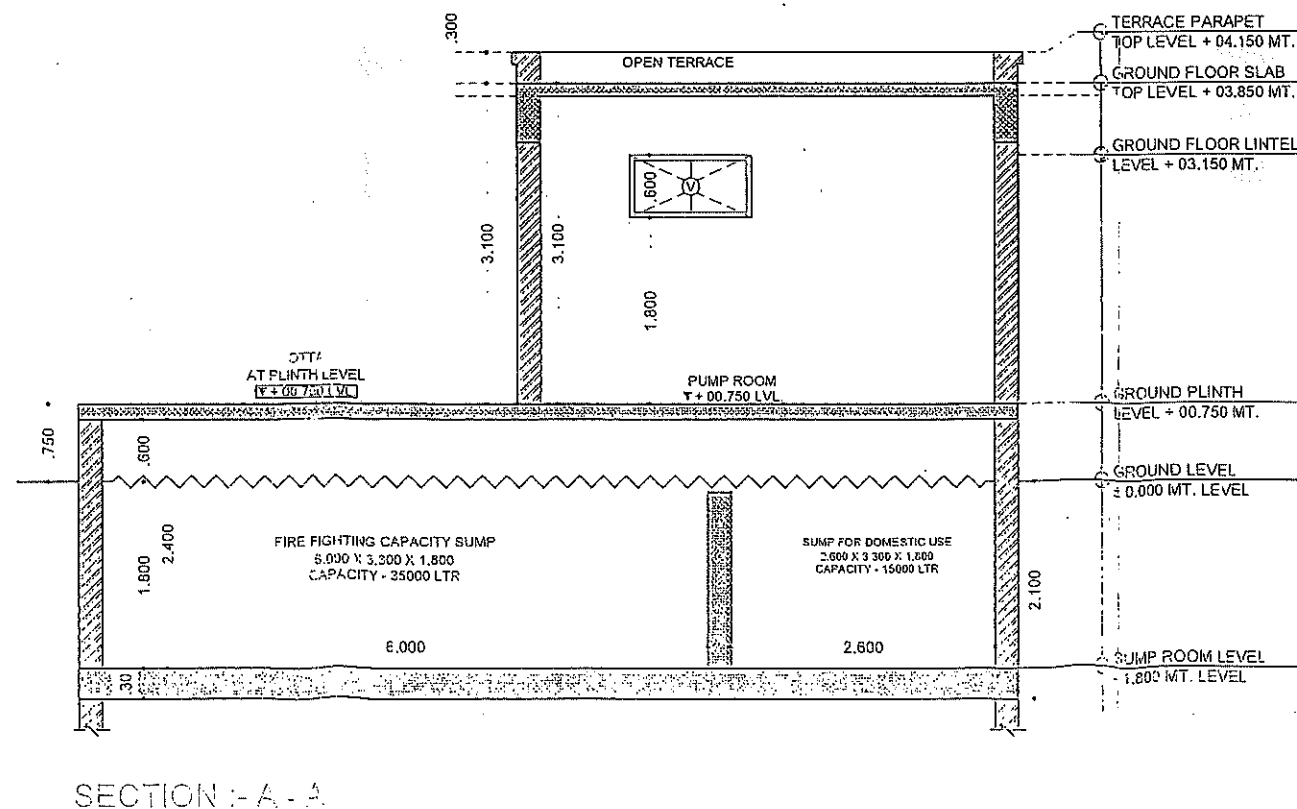
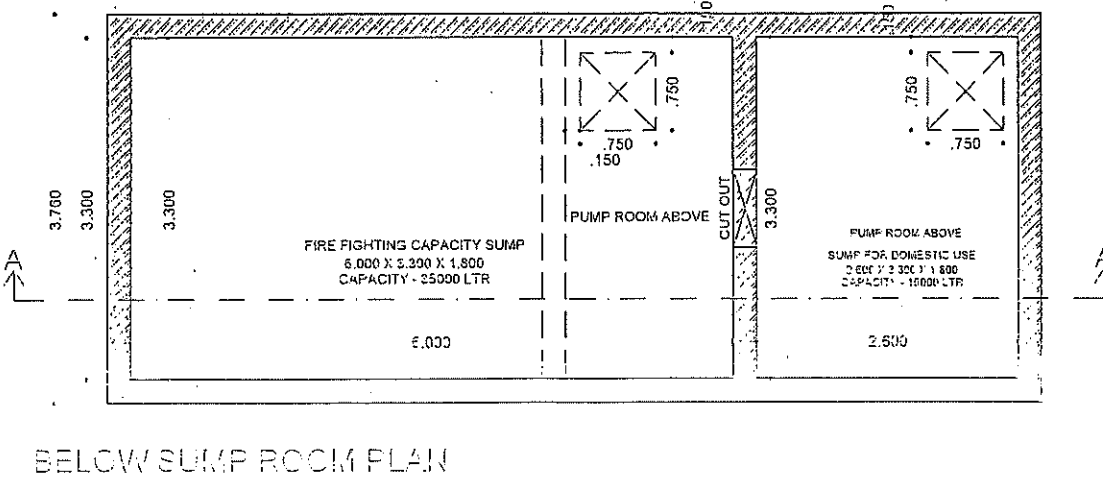
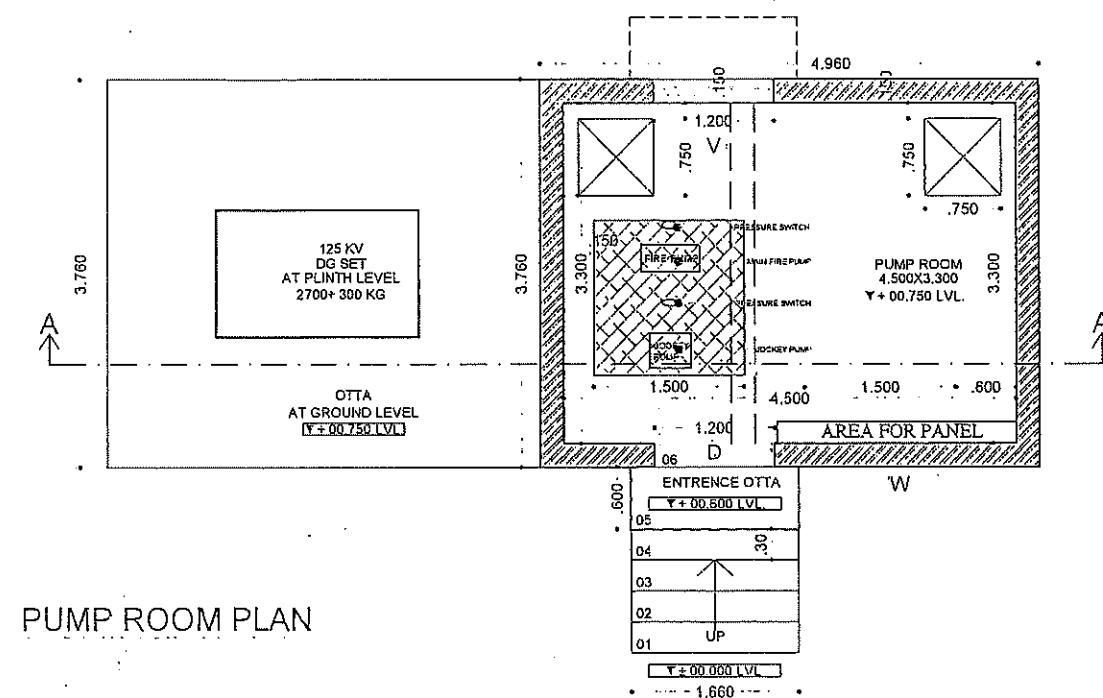
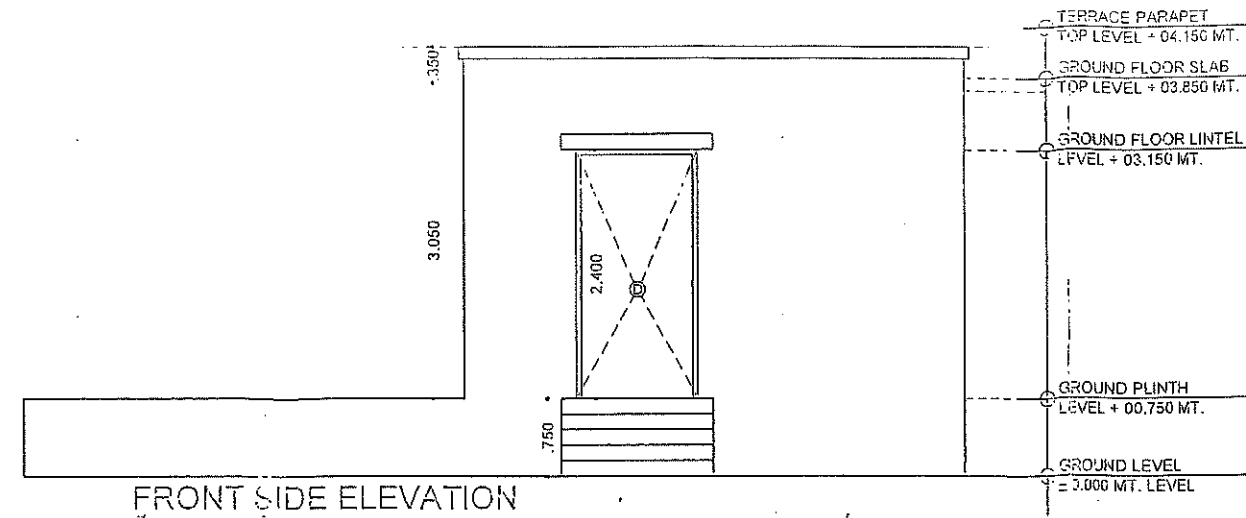
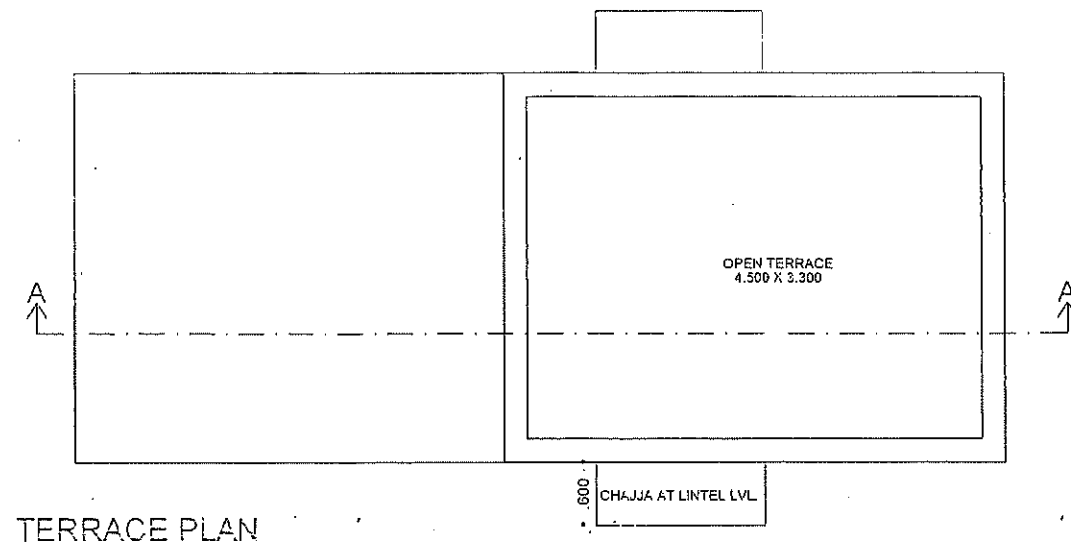
REVISIONS  
NOTES :-  
- ALL DIMENSIONS ARE IN METRES.  
- IF ANY AMBIGUITY FOUND SHALL BE BROUGHT  
TO NOTICE TO ARCHITECT.

PROJECT  
TYPICAL PUMP ROOM & FIRE  
HYDRANT ROOM FOR RB/NRB  
DIV. :- RAJKOT DIST. :- RAKOT  
AT :- ATKOT

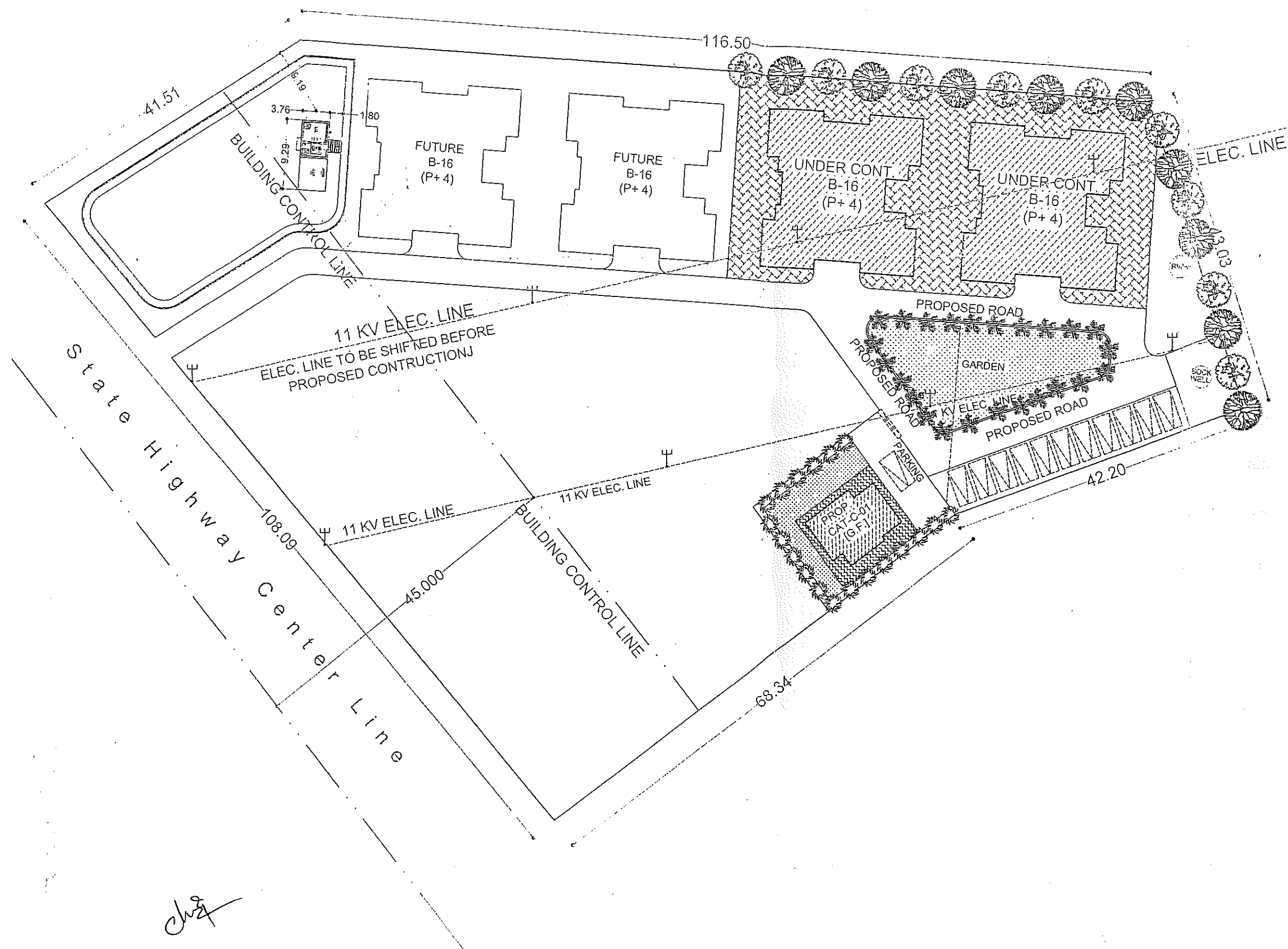
DRG. TITLE  
PUMP ROOM & FIRE HYDRANT  
& SUMP ROOM

SCALE	M.T.S	DRG. NO/REV. NO/FILE NO.
DATE	03-02-2023	
DEALT	JAY	
CHECK	J.M.B	FL-1.1/R-00/2587

GUJARAT STATE POLICE HOUSING  
CORPORATION LTD. GANDHINAGAR



PRINT ISSUE DATE :- 03-02-2023



Executive Engineer (Breach)  
G.S.P.N.O.  
Gandhinagar.

SE-01 &amp; SE-02 / IC

H. L. Superintendent Engineer  
 Gujarat State Police Housing Corporation Ltd.  
 Gandhinagar.

ARCHITECT

ALL RELEASE

ARCHITECT

CA0012444

Chicago State Police  
Housing Corporation Ltd.  
Saginaw

MD, SIR

APPROVED BY

MANAGING DIRECTOR  
C.S.F.C. LTD.  
GANDHINAGAR

De .....

REV. NO.	DATE	PARTICULARS

## NOTES

NOTES  
ON ENVIRONMENTAL AND CLIMATE CHANGE

- ALL DIMENSIONS ARE IN METRES.  
- IF ANY AMBIGUITY FOUND SHALL BE BROUGHT  
TO NOTICE TO ARCHITECT.

## PROJECT

PROP. PSQ. CAT-B-32 FO  
SUMP & PUMP ROOM

DIV:-RAJKOT DIST:-RAJKOT  
AT:-ATKOT

DDC TITLE

DRG. TITLE  
SITE LAYOUT -  
SUMP, PUMP ROOM

SCALE : N.T.S	DRG. NO.	REV. NO.	FILE
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DATE : 03-02-2023

DEALT	BHARGAVA	SI	11	19-06-25
CHURCH	NY			

1. *Journal of the American Medical Association*, 1997; 277: 1001-1005.

1. The first part of the document is a title page. It contains the title of the document, the author's name, and the date of the document. The title is "The First Part of the Document". The author's name is "John Doe". The date is "1/1/2020".

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GOVERNMENT STATE POLICE FORM

3. INFORMATIONAL DATA PAGE

1

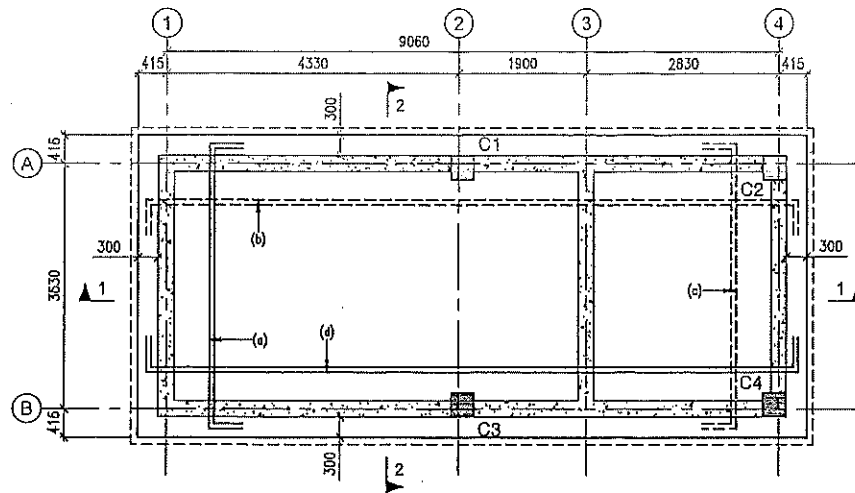
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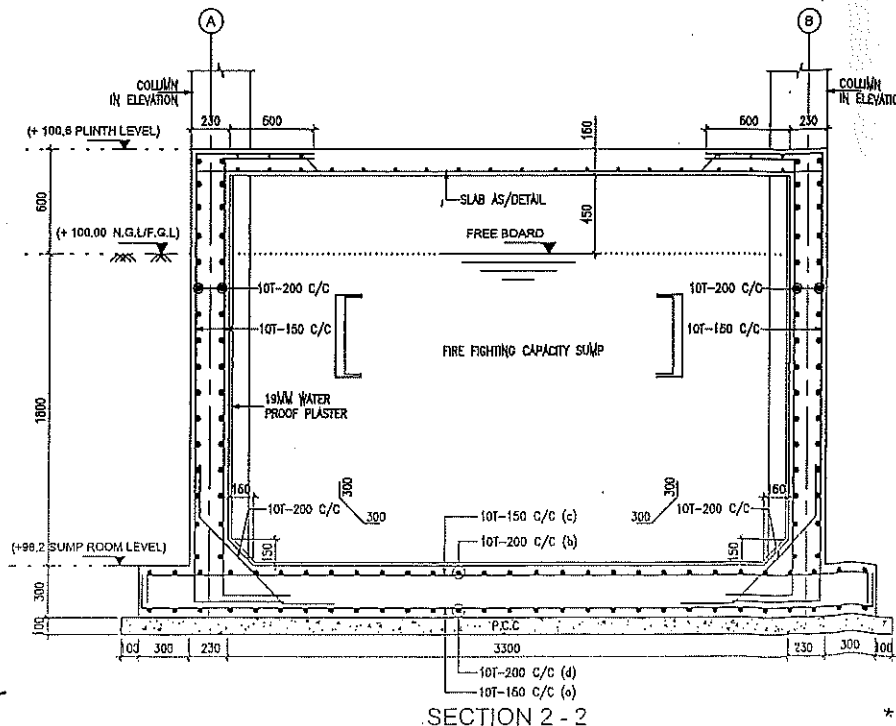
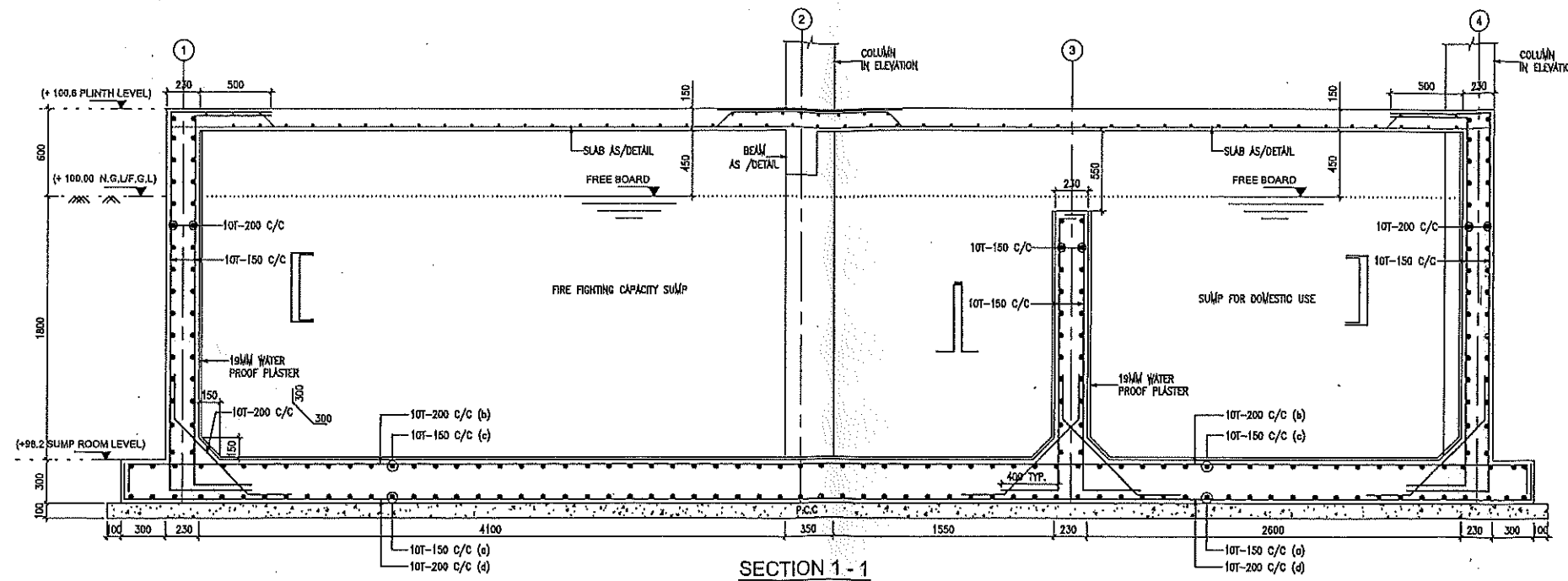
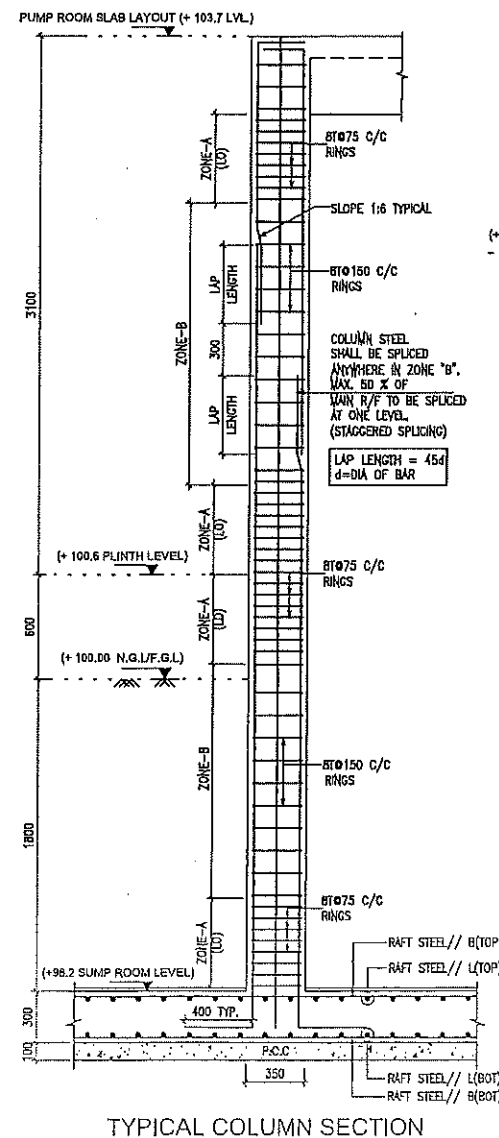
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PRINT ISSUE DATE: 03-02-2023



COLUMN SCHEDULE :-			
BAR ARRANGEMENT		350	350
		1 RINGS+ 2 LINKS	1 RINGS+ 2 LINKS
		• 4-16T • 4-12T	• 8-16T
PUMP ROOM	SIZE	350 X 350	350 X 350
	CONFLZONE(LD)	4-16T+4-12T	8-16T
	STIRRUPS(A)	8T075c/c	8T075c/c
	STIRRUPS(B)	8T0150c/c	8T0150c/c
	CONC. MIX	M-30	M-30
WATER TANK	SIZE	350 X 350	350 X 350
	CONFLZONE(LD)	4-16T+4-12T	8-16T
	STIRRUPS(A)	8T075c/c	8T075c/c
	STIRRUPS(B)	8T0150c/c	8T0150c/c
	CONC. MIX	M-30	M-30
COLUMN MARKS		C1,C3	C2,C4

SCHEDULE OF RAFT REINFORCEMENT		
BAR MARKED	DA	SPACING
①	10T	Ø150c/c AT BOTTOM
②	10T	Ø150c/c AT TOP
③	10T	Ø125c/c AT TOP



- NOTES:
- 1) ALL DIMENSIONS ARE IN MM. & LVL. ARE IN METER UNO.
  - 2) THIS DRAWING HAS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING & ANY AMBIGUITY IN DIMENSIONS & DETAIL SHALL BE BROUGHT TO THE NOTICE OF CONSULTING ENGINEERS.
  - 3) ALL CONCRETE WORK SHALL BE MACHINE MIXED & MACHINE VIBRATED.
  - 4) ALL CONCRETE WORK SHALL BE DONE IN M:30
  - 5) ALL REINFORCEMENT SHALL BE USED AS FE500 (TMT) GRADE.
  - 6) SBC CONSIDERED AS 25.00 T/M<sup>2</sup> AT 0.6 MT. DEPTH FROM EXISTING GR. LVL.  
REF: MK SOIL TESTING LAB.  
SBC/REPORT: MK/30/09-19 DT:12.09.2019
  - 7) CLEAR COVER TO STEEL IS AS UNDER
    - a) R.C.C. WALL - WATER FACE = 45 mm  
SOIL FACE = 45 mm
    - b) RAFT BOTTOM = 50 mm
    - c) COLUMN = 45 mm
    - d) BEAM = 25 mm
    - e) SLAB = 20 mm
  - 8) DEVELOPMENT LENGTH = 45 TIMES DIA. OF BARS.
  - 9) BUILDING IS DESIGNED FOR GROUND FLOOR ONLY. NO FUTURE FLOOR IS CONSIDERED
  - 10) FOR LOADING BRICK MASONRY WORK HAS BEEN CONSIDERED.
  - 11) ALL P.C.C WORK DONE AS PER TENDER

REFERENCE DRGS:-

LEGEND -

EGL. EXISTING GROUND LEVEL  
NGL. NATURAL GROUND LEVEL  
FGL. FINISH GROUND LEVEL  
LVL. LEVEL  
C/C. CENTER TO CENTER  
TYP. TYPICAL  
UNO. UNLESS NOTED OTHERWISE

G.F.C R0  
10 MARCH 2023

REV.	DATE	DESCRIPTION	DRAWN
R0	10.03.2023	ISSUE FOR CONSTRUCTION	CHIRAG

CLIENT:-



GUJARAT STATE POLICE HOUSING CORPORATION LTD. GANDHINAGAR

PROJ. TITLE : PUMP ROOM & FIRE HYDRANT ROOM FOR RB/NRB  
DIV. :- RAJKOT DIST. :- RAKOT  
AT :- ATKOT

DRG. TITLE: FOUNDATION LAYOUT & DETAILS SHEET 01 OF 02

DWG. NO. GPHC\_UGS\_ST\_01

DETAIL BY: PRG	CHEK. BY: P.B.S.
DRAWN BY: CHIRAG	ARCHITECT:-
DATE: 01.03.2023	GUJARAT STATE POLICE HOUSING CORPORATION LTD. GANDHINAGAR
PROJECT NO. 1531	SCALE: N.T.S

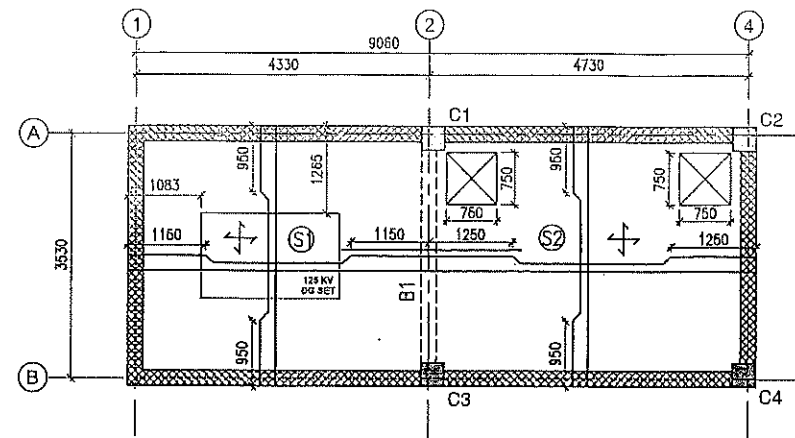
Structural Consultants

**RUSHABH**  
CONSULTANTS LLP  
Consulting Engineers

1001, VENUS ATLANTIS, PRAHLADNAGAR, ANANDNAGAR ROAD, SATELLITE AHMEDABAD  
PH: 40324404/40324405

E-mail : mail@rushabhconsultants.com

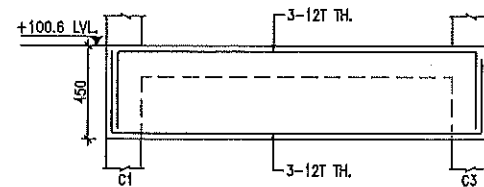
\* FOR TYPICAL DETAILS REFER SHEET NO.GPHC\_UGS\_ST\_02



PUMP ROOM SLAB LAYOUT (+100.6 LVL.)

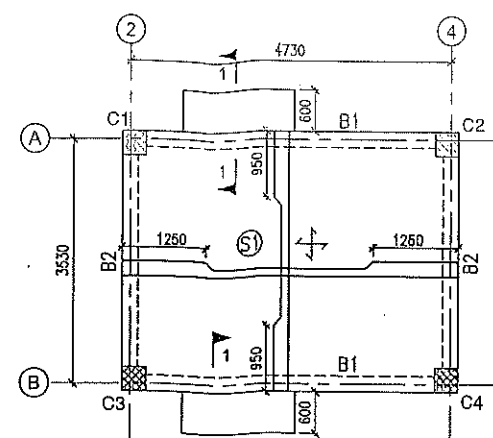
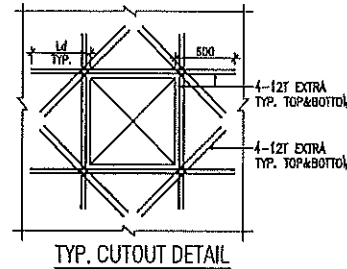
R.C.C WALL TERMINATE

SCHEDULE OF SLAB					
SR. NO	THK (MM)	SPAN REINFORCEMENT		SUPPORT REINFORCEMENT	
		// TO SHORT	// TO LONG	// TO SHORT	// TO LONG
S1	150	8T@100/c ALT. BENT UP	8T@100/c ALT. BENT UP	-	8T@200/c EXTRA TOP
S2	150	8T@100/c ALT. BENT UP	8T@100/c ALT. BENT UP	-	8T@200/c EXTRA TOP
		REMARKS (SLAB)			
		TWO WAY			



DIA	8T	8T	8T
SPACING C/C	100	150	100
NOS.	9	REST	9
LEGGED	2	2	2

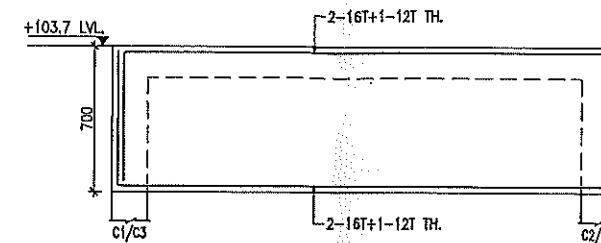
B1 (230 X 450)



PUMP ROOM TERRACE SLAB LAYOUT (+ 103.7 LVL.)

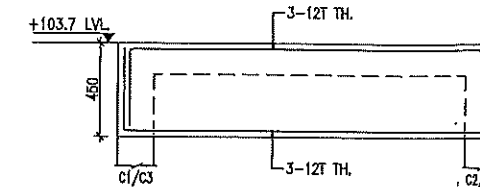
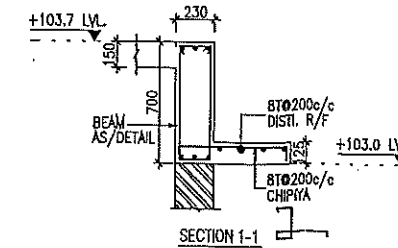
R.C.C COLUMN TERMINATE

SCHEDULE OF SLAB					
SR. NO	THK (MM)	SPAN REINFORCEMENT		SUPPORT REINFORCEMENT	
		// TO SHORT	// TO LONG	// TO SHORT	// TO LONG
S1	150	8T@150/c ALT. BENT UP	8T@150/c ALT. BENT UP	-	-
		REMARKS (SLAB)			
		TWO WAY			



DIA	8T	8T	8T
SPACING C/C	100	150	100
NOS.	14	REST	14
LEGGED	2	2	2

B1 (230 X 700)



DIA	8T	8T	8T
SPACING C/C	100	150	100
NOS.	9	REST	9
LEGGED	2	2	2

B2 (230 X 450)

#### NOTES:

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REF: MK SOIL TESTING LAB.  
SBC/REPORT: MK/30/09-19 DT:12.09.2019
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  - c) COLUMN = 45 mm
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#### REFERENCE DRGS:-

#### LEGEND -

EGL. EXISTING GROUND LEVEL  
NGL. NATURAL GROUND LEVEL  
FGL. FINISH GROUND LEVEL  
LVL. LEVEL  
C/C. CENTER TO CENTER  
TYP. TYPICAL  
UNO. UNLESS NOTED OTHERWISE

G.F.C\_R0  
10 MARCH 2023

REV.	DATE	DESCRIPTION	DRAWN
R0	10.03.2023	ISSUE FOR CONSTRUCTION	CHIRAG

#### CLIENT:-



GUJARAT STATE POLICE HOUSING CORPORATION LTD. GANDHINAGAR

PROJ. TITLE : PUMP ROOM & FIRE HYDRANT ROOM FOR RB/NRB  
DIV. :- RAJKOT DIST. :- RAKOT  
AT :- ATKOT

DRG. TITLE: PUMP ROOM SUPER STRUCTURAL DETAILS

SHEET 02 OF 02

DWG. NO. GPHC\_UGS\_ST\_02

DETAIL BY: PRG

CHEK. BY: P.B.S.

DRAWN BY: CHIRAG

ARCHITECT:-

DATE: 01.03.2023

PROJECT NO. 1531

SCALE: N.T.S

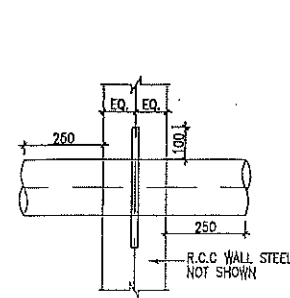
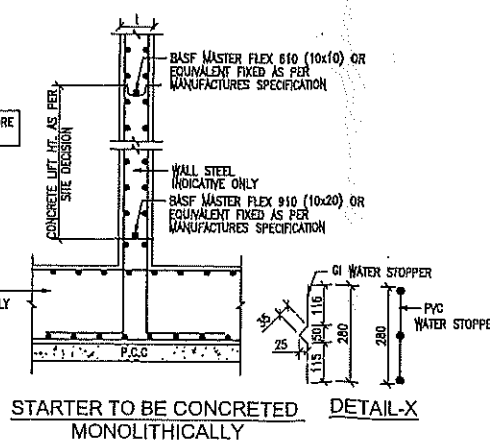
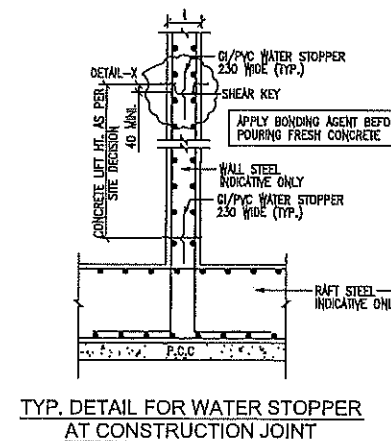
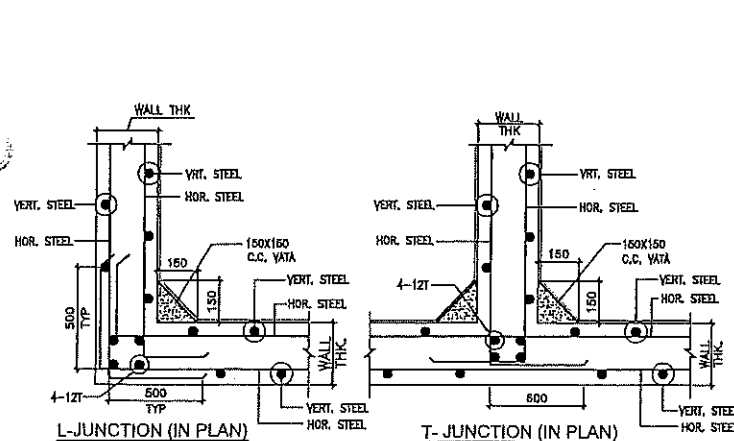
Structural Consultants

RUSHABH CONSULTANTS LLP

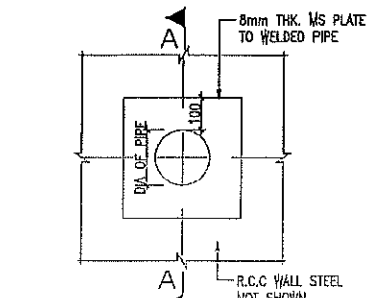
1001, VENUS ATLANTIS, PRAHLADNAGAR, ANANDNAGAR ROAD, SATELLITE AHMEDABAD

PH: 40324404/40324405

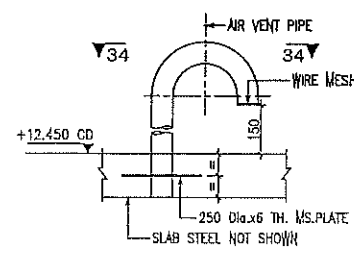
E-mail : mail@rushabhconsultants.com



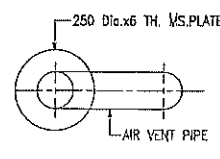
SECTION A-A



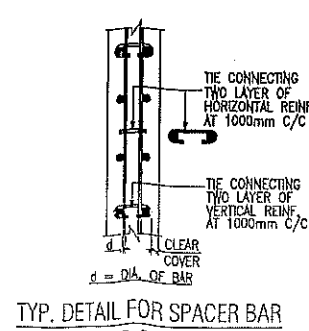
TYP. PIPE INSERT DETAIL IN R.C.C. WALL



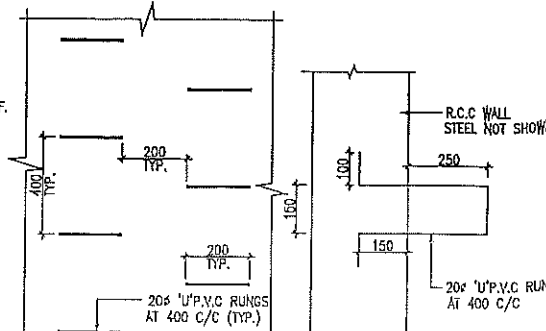
TYP. AIR VENT COWL DETAIL ELEVATION



SECTION 34-34 PLAN



TYP. DETAIL FOR SPACER BAR IN R.C.C WALLS



TYP. RUNG DETAIL