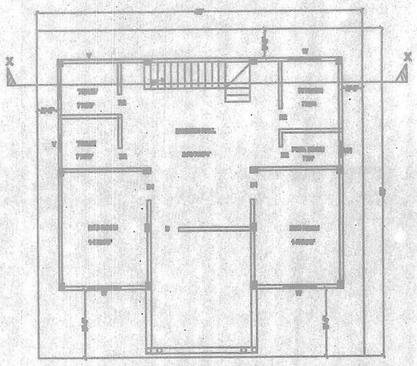
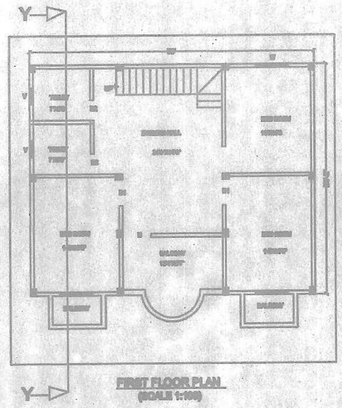
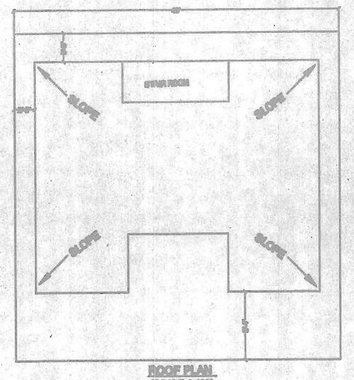
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



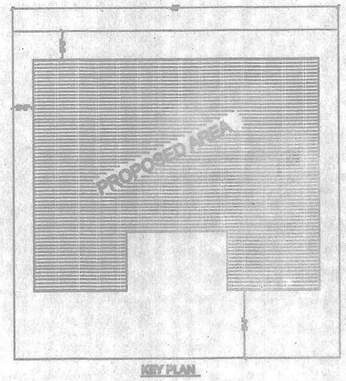
GROUND FLOOR PLAN
(SCALE 1:100)



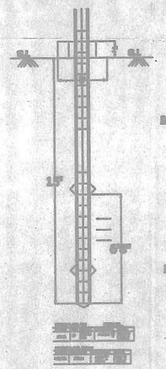
FIRST FLOOR PLAN
(SCALE 1:100)

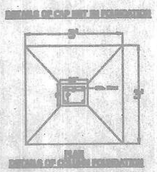


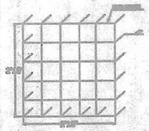
ROOF PLAN
(SCALE 1:100)

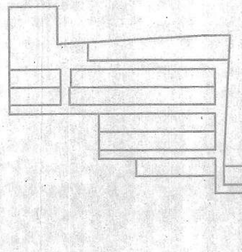


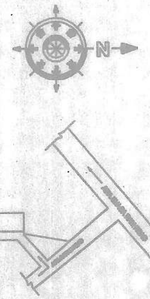
KEY PLAN

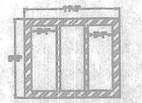












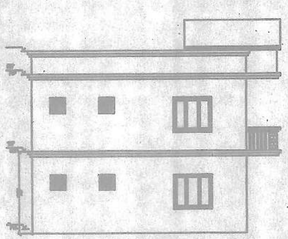
PLAN OF SEPTIC TANK



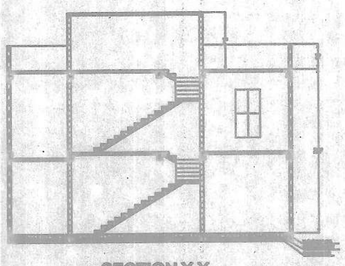
SEPTIC TANK



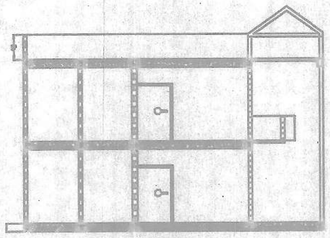
FRONT ELEVATION
(SCALE 1:100)



SIDE ELEVATION
(SCALE 1:100)



SECTION X-X
(SCALE 1:100)



SECTION Y-Y
(SCALE 1:100)

## SCHEDULE OF OPENING

| DETAILS | | | HEIGHT |
|---|---|---|---|
| DOORS | D | 3'0" | 7'0" |
| | D1 | 3'0" | 7'0" |
| | D2 | 2'6" | 7'0" |
| WINDOWS | W | 4'0" | 4'0" |
| | W1 | 2'6" | 4'0" |
| | V | 2'0" | 2'0" |

GENERAL SPECIFICATION

1. FOUNDATION AS:- PER DESIGN
2. P.C.C :- 1:4:8 CONC. MIX
3. R.C.C :- 1:2:4 CONC. MIX
4. BRICK WALL :- 1:6 FOR 22. mtr. TH. & 1:8 FOR 11. TH. B/WALL
5. PLASTERING :- 1:4 OVER R.C.C SURFACE & 1:6 OVER BRICK SURFACE.
6. FLOORING :- 64 mtr. TH. I.P.S FLOOR IN 1:2:4 OVER 10 mtr. TH. P.C.C IN (1:
7. WOOD WORK :- SAL IN DOOR CHOWKHAT & FLUSH DOOR SHUTTER OF W.P.
8. STEEL WORK :- STEEL FRAME IN WINDOW/STEEL IN DOOR SUTTER OF W.P.
9. PAINT FINISHING COLOUR WASH TWO COAT OVER

P.O.P MOULDING & SHOWDOWN OVER COVER WALL PLASTER.

TITLE :- RESIDENTIAL BUILDING

PROPOSED BUILDING PLAN FOR THE HOUSE OF:-
SRI. Poonam Devi
S/o Sri Harendra Prasad
AT- MAUJA - Akaunai
THANA No. :- 354
KHATA No. :- 326
SURVAY PLOT No.:- 2009
DIST:-BHOJPUR

STATEMENT OF AREA
1.TOTAL PLOT AREA :- 1000 SFT.
2.BUILT-UP AREA :- 1200 SFT.
3.GROUND FLOOR AREA:-600 SFT.
4. FIRST FLOOR AREA :-600 SFT.
5.STAIR ROOM AREA :- 100 SFT.
6.% OF COVERED AREA :-70.00%
7. ACHIVE F.A.R :-1.3

| SIGN. OF OWNER | SIGN. OF Engineer |
|---|---|
| | M.A Mallick |

SIGN. OF Special officer

Poonam Devi
मुखिया
ग्राम पंचायत एकौना
प्रखण्ड-उदवन्तनगर (भोजपुर)
10/07/2016

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PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



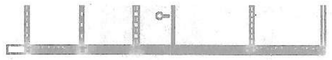
FRONT ELEVATION
(SCALE 1:100)



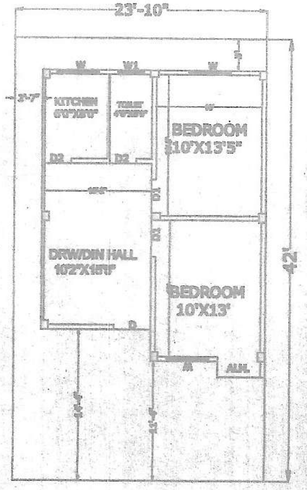
SIDE ELEVATION
(SCALE 1:100)



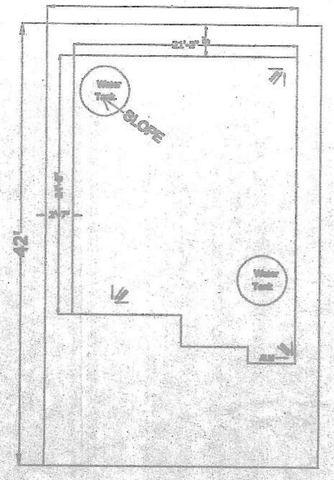
SECTION X-X



PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

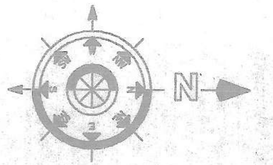


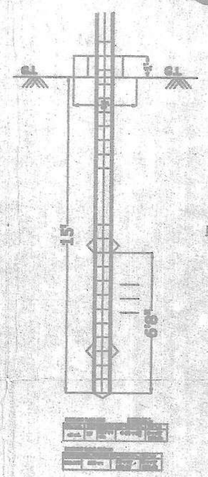

GROUND FLOOR PLAN

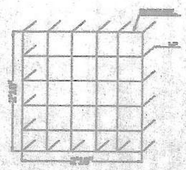



ROOF PLAN

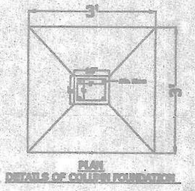


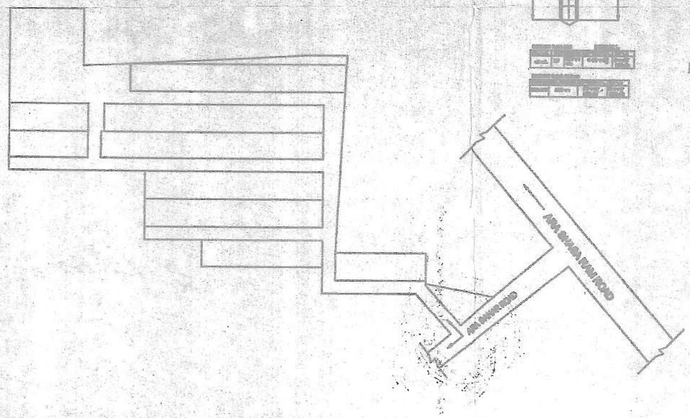



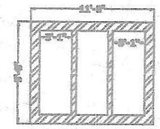


DETAILS OF CAP HIP IN FOUNDATION



PLAN
DETAILS OF COLUMN FOUNDATION

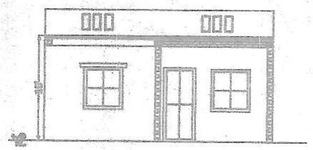


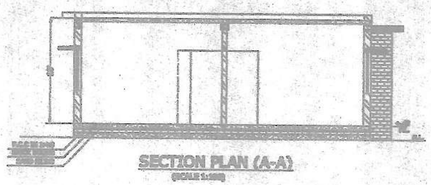
PLAN OF SEPTIC TANK



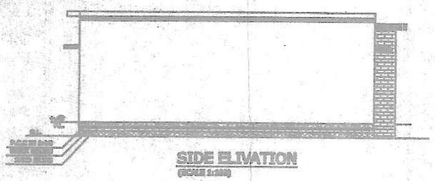
SEPTIC TANK



FRONT ELIVATION



SECTION PLAN (A-A)



SIDE ELIVATION

## SCHEDULE OF OPENING

| DETAILS | | | HEIGHT |
|---|---|---|---|
| DOORS | D | 3'6" | 7'0" |
| | D1 | 3'0" | 7'0" |
| | D2 | 2'6" | 7'0" |
| WINDOWS | W | 4'0" | 4'0" |
| | W1 | 2'6" | 4'0" |
| | V | 2'0" | 2'0" |

GENERAL SPECIFICATION

1. FOUNDATION :- PER DESIGN
2. P.C.C :- 1:4:8 CONC. MIX
3. R.C.C :- 1:2:4 CONC. MIX
4. BRICK WALL :- 1:6 FOR 22c. mtn. TH. & 1:5 FOR 11. TH. B/WALL
5. PLASTERING :- 1:4 OVER R.C.C SURFACE & 1:5 OVER BRICK SURFACE.
6. FLOORING :- 04 mtn. TH. I.P.S FLOOR IN 1:2:4 OVER 10.mtn. TH. P.C.C IN (1:4:8)
7. WOOD WORK :- SAL IN DOOR CHOWHAT & PLUSH DOOR SHUTTER OF W.P.PLY.
8. STEEL WORK :- STEEL FRAME IN WINDOW,GRILL IN DOOR SUTTER OF W.P. PLY.
9. PAINT FINISHING COLOUR,WASH TWO COAT OVER.

P.O.P INSIDE & SNOWCEM OVER OUTER WALL PLASTER.

TITLE :- RESIDENTIAL BUILDING

PROPOSED BUILDING PLAN FOR THE HOUSE OF :-
SRI. उषा सिंह
S/O. SRI स्व० रामनाथ सिंह
AT- MAUJA - एकोना
THANA No. :- 354
KHATA No.:- 358
KHASRA No.:- 1802
DIST:-BHOJPUR

STATEMENT OF AREA.
1.TOTAL PLOT AREA :- 1000 SFT.
2. BUILT- UP AREA :- 630 SFT.
3.GROUND FLOOR AREA:-567 SFT.
4.%OF COVERED AREA :-56.07%
5. ACHIVE F.A.R :-1.7

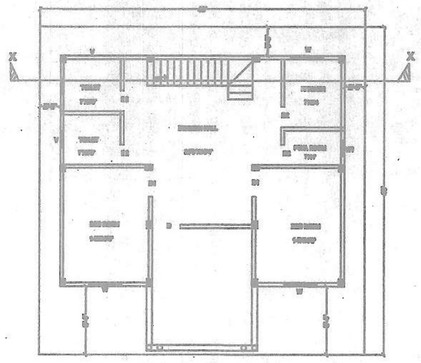
| SIGN. OF OWNER | SIGN. OF Engineer |
|---|---|
| उषा सिंह | |

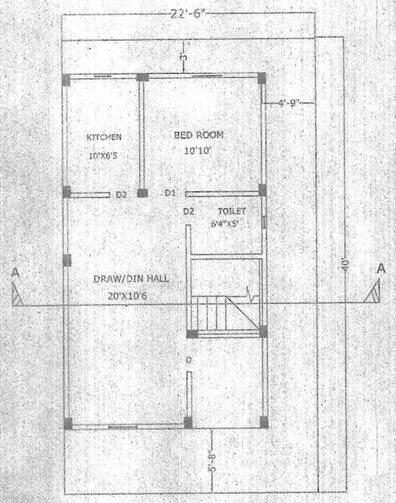
SIGN. OF Special officer

Umam Devi
मुखिया 1067/2016
ग्राम पंचायत एकोना
प्रखण्ड-उदवन्तनगर (भोजपुर)

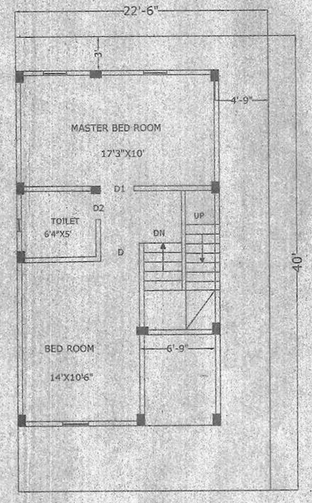
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

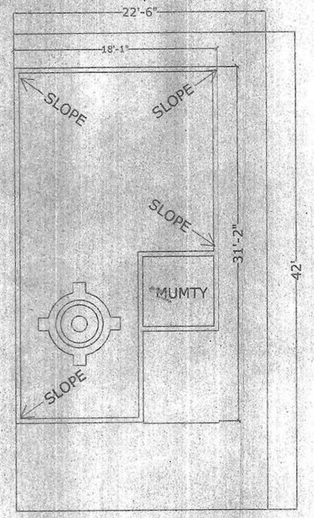

X
X
W
W
W



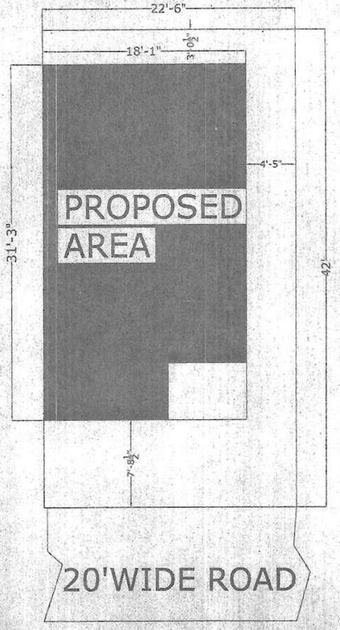

GROUND FLOOR PLAN
SCALE 1:100




FIRST FLOOR PLAN
SCALE 1:100



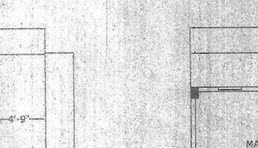

TERRACE PLAN
SCALE 1:100



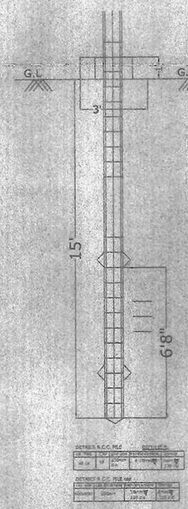

SITE PLAN
SCALE 1:100

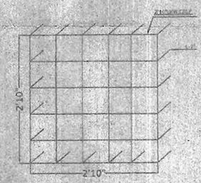



PLAN OF SEPTIC TANK
(SCALE 1:100)

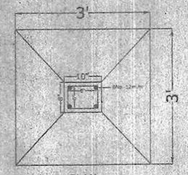



SEPTIC TANK
(SCALE 1:100)

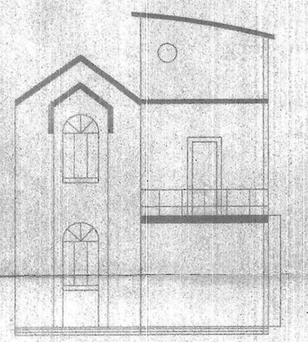


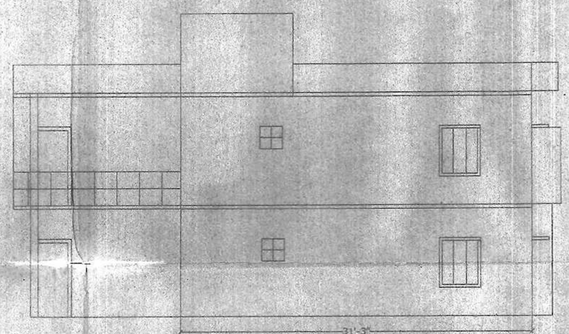

DETAILS OF CAP NET IN FOUNDATION



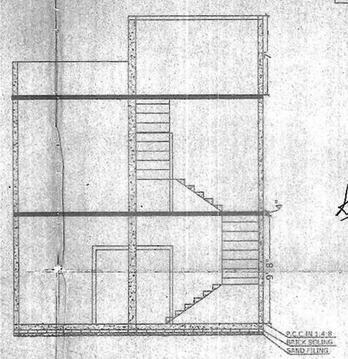

PLAN
DETAILS OF COLUMN FOUNDATION



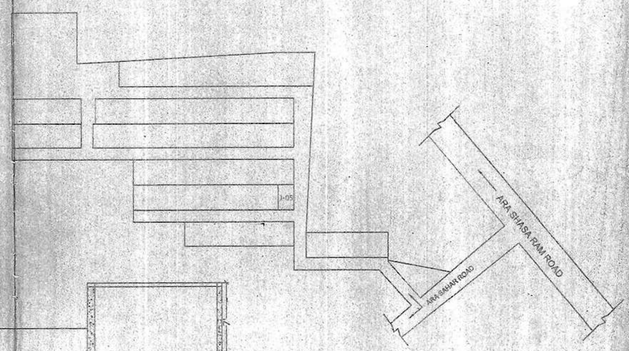
FRONT ELEVATION
SCALE 1:100




SIDE ELEVATION
SCALE 1:100




SECTION A-A
SCALE 1:100




30-5-12

N

## SCHEDULE OF OPENING

| DETAILS | | | HEIGHT |
|---|---|---|---|
| DOORS | D | 3'6" | 7'0" |
| | D1 | 3'0" | 7'0" |
| | D2 | 2'6" | 7'0" |
| WINDOWS | W | 4'0" | 4'0" |
| | W1 | 2'6" | 4'0" |
| | V | 2'0" | 2'0" |

GENERAL SPECIFICATION

1. FOUNDATION AS:- PER DESIGN
2. P.C.C :- 1:4:8 CONC. MIX
3. R.C.C :- 1:2:4 CONC. MIX
4. BRICK WALL :- 1:6 FOR 23. mts. TH. & 1:5 FOR 11. TH. B/WALL
5. PLASTERING :- 1:4 OVER R.C.C SURFACE & 1:5 OVER BRICK SURFACE.
6. FLOORING :- 04 mts. TH. I.P.S FLOOR IN 1:2:4 OVER 10.mts. TH. P.C.C IN (1:4:8)
7. WOOD WORK :- SAL IN DOOR CHOWKHAT & FLUSH DOOR SHUTTER OF W.P.PLY.
8. STEEL WORK :- STEEL FRAME IN WINDOW,GRILL IN DOOR SUTTER OF W.P. PLY.
9. PAINT FINISHING COLOUR WASH TWO COAT OVER

P.O.P INSIDE & SNOWCEM OVER OUTER WALL PLASTER.

TITLE :- RESIDENTIAL BUILDING

PROPOSED BUILDING PLAN FOR.
THE HOUSE OF :-
SRI. NIRMAL KUMAR
S/o. L.T. BIMAL KUMAR SAHY
AT- MAUJA -EKAWANA(AKAWANA)
THANA No. :-354
KHATA No. :-358
SURVAY PLOT No.:-1802
DIST:- BHOJPUR

## STATEMENT OF AREA

1.TOTAL PLOT AREA :- 900 SFT.
2. BUILT- UP ARAE :- 1200 SFT.
3.GROUND FLOOR AREA:-563 SFT.
4. FIRST FLOOR AREA :-563 SFT.
5.STAIR ROOM AREA :- 100 SFT.
6.%OF COVERED AREA :-76.63%
7. ACHIVE F.A.R :-1.3

| SIGN. OF OWNER | SIGN. OF Engineer |
|---|---|
| Nirmal Kumar | Ashok Kumar Singh. |

BUILDING CENTRE ARAH

मुखिया
ग्राम पंचायत एकोना
प्रखण्ड-उदवन्तनगर (भोजपुर)
10/07/2016

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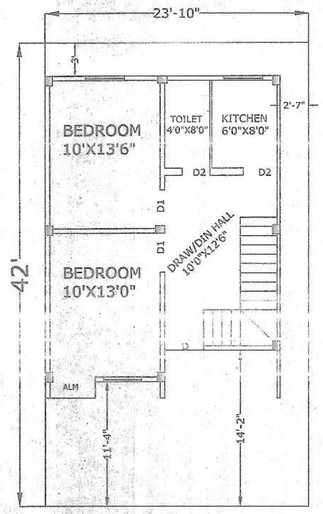
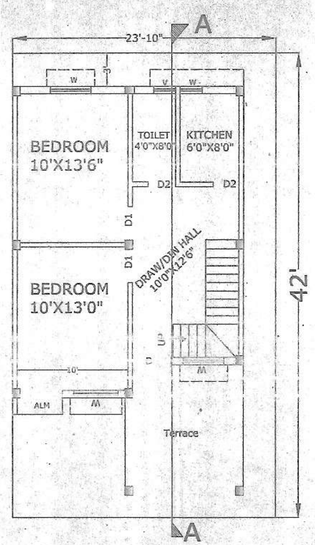
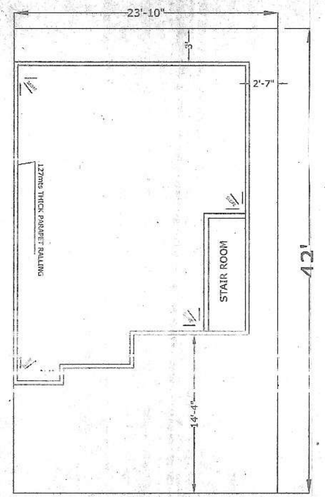


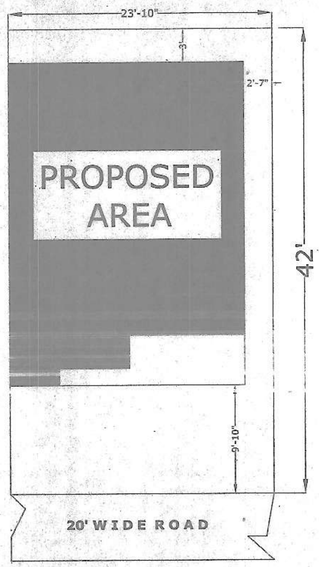

GROUND FLOOR PLAN
(SCALE -1:100)




FIRST FLOOR PLAN
(SCALE -1:100)




ROOF PLAN
(SCALE -1:100)




SITE PLAN
(SCALE -1:100)

## SCHEDULE OF OPENING

| DETAILS | | | HEIGHT |
|---|---|---|---|
| DOORS | D | 3'6" | 7'0" |
| | D1 | 3'0" | 7'0" |
| | D2 | 2'6" | 7'0" |
| WINDOWS | W | 4'0" | 4'0" |
| | W1 | 2'6" | 4'0" |
| | V | 2'0" | 2'0" |

GENERAL SPECIFICATION

1. FOUNDATION AS:- PER DESIGN
2. P.C.C :- 1:4:8 CONC. MIX
3. R.C.C :- 1:2:4 CONC. MIX
4. BRICK WALL :- 1:6 FOR 23. mts. TH. & 1:5 FOR 11. TH. B/WALL
5. PLASTERING :- 1:4 OVER R.C.C SURFACE & 1:5 OVER BRICK SURFACE.
6. FLOORING :- 04 mts. TH. I.P.S FLOOR IN 1:2:4 OVER 10 mts. TH. P.C.C IN (1:4:8)
7. WOOD WORK :- SAL IN DOOR CHOWKHAT & FLUSH DOOR SHUTTER OF W.P.PLY.
8. STEEL WORK :- STEEL FRAME IN WINDOW,GRILL IN DOOR SUTTER OF W.P. PLY.
9. PAINT FINISHING COLOUR WASH TWO COAT OVER P.O.P INSIDE & SNOWCEM OVER OUTER WALL PLASTER.

TITLE :- RESIDENTIAL BUILDING

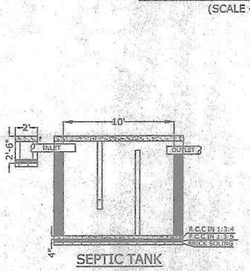
PROPOSED BUILDING PLAN FOR. THE HOUSE OF :-
SRI.GUPTESHWAR SINGH
S/o LATE. MAHARAJ SINGH
AT- MAUJA -EKAWANA(AKAWANA)
THANA No. :-354
KHATA No.:- 433.435
SURVAY PLOT No.:-2011.2012
DIST:- BHOJPUR

STATEMENT OF AREA.
1.TOTAL PLOT AREA :- 1000 SFT.
2. BUILT- UP ARAE :- 1400 SFT.
3.GROUND FLOOR AREA:-609 SFT.
4. FIRST FLOOR AREA :-609 SFT.
5.STAIR ROOM AREA :- 100 SFT.
6.%OF COVERED AREA :-60.9%
7. ACHIVE F.A.R :-1.3

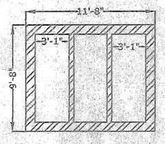
| SIGN. OF OWNER | SIGN. OF Engineer |
|---|---|
| | Md. M. Ashraf<br>27/10/2015 |

SIGN. OF Special

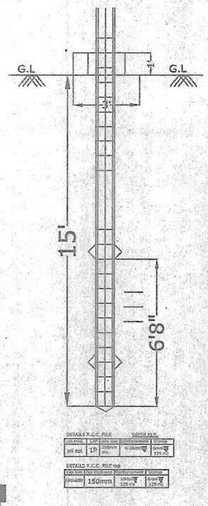
Sumanta Devi
मुखिया
ग्राम पंचायत एकवना
प्रखण्ड-सदरकरगहर (भोजपुर)
10/07/2016

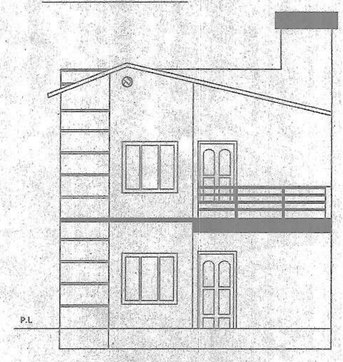



SEPTIC TANK



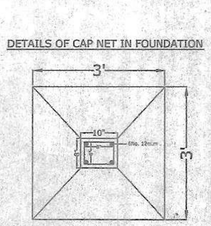

PLAN OF SEPTIC TANK



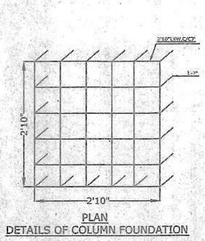




FRONT ELEVATION
SCALE -1:100

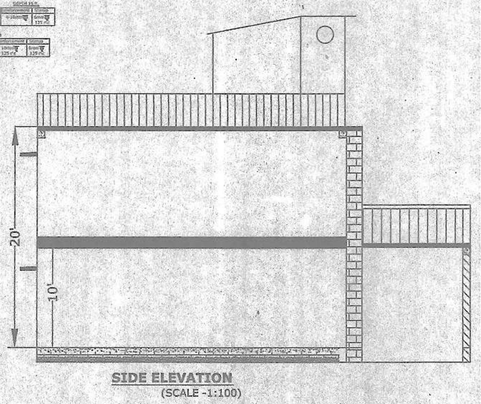
DETAILS OF CAP NET IN FOUNDATION



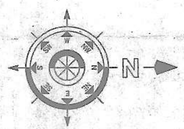

PLAN
DETAILS OF COLUMN FOUNDATION

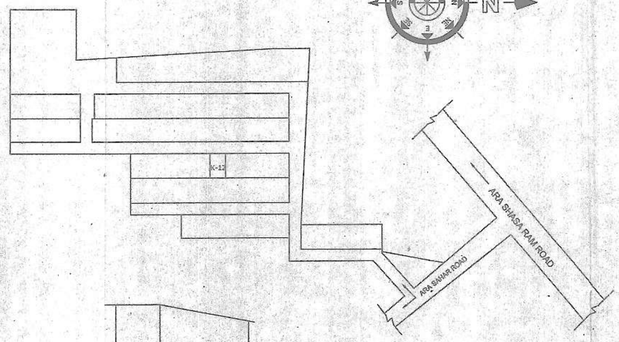


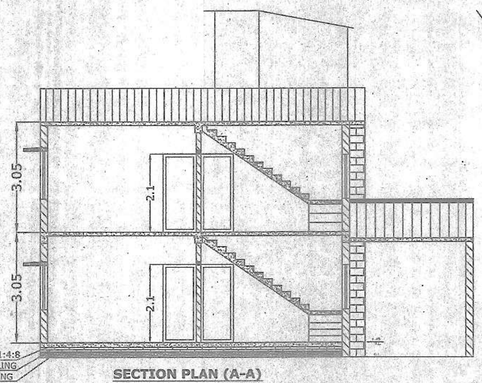

PLAN
DETAILS OF COLUMN FOUNDATION




SIDE ELEVATION
(SCALE -1:100)

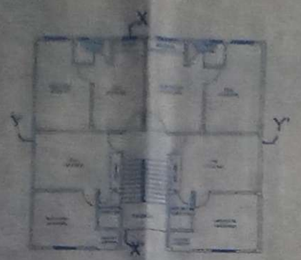


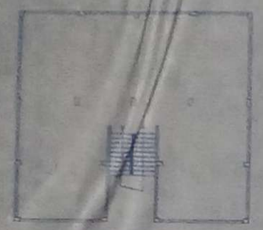




SECTION PLAN (A-A)
(SCALE -1:100)

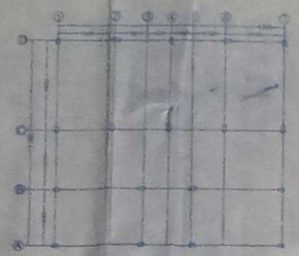
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



Ground, 1st,2nd,3rd, 4th & 5th FLOOR PLAN



GROUND FLOOR PLAN



COLUMN LAYOUT PLAN




SITE PLAN

## FIRE LEGEND

1. UNDERGROUND WATER STET STATIC TANK OF 20,000 LITERS CAPACITY
2. SEAMESE CONNECTION
3. HYDRANT POINT
4. HOSE REEL
5. FIRE EXISTI IMGUSHRE
6. FIRE RESISTANCE CHECK DOOR — F D
7. EMERGENCY LIGHT
8. ILLUMINATED EXIT SIGN — EXIT
9. MANUAL CALL ALARM SYSTEM
10. OVER HEAD WATER STATIC TANK OF 10,000 LITRES CAPACITY

SCHEDULE OF DOOR & WINDOWS

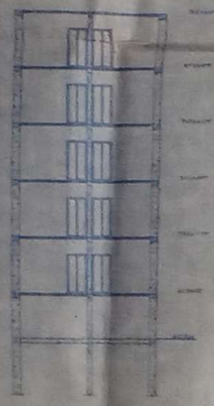
| SL. No. | SYMBOLE | WIDTH | HEIGHT | DISCRIPTION |
|---|---|---|---|---|
| 1 | D | 750 | 2100 | FULLY PANNELED DOOR |
| 2 | D1 | 900 | 2100 | FULLY PANNELED DOOR |
| 3 | D2 | 1050 | 2100 | FULLY PANNELED DOOR |
| 4 | W | 600 | 600 | FULLY GLAED WINDOWS |
| 5 | W1 | 900 | 1200 | FULLY GLAED WINDOWS |

## SPECIFICATION

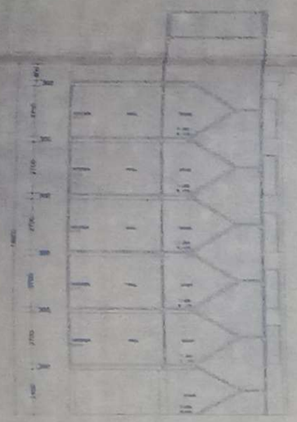
1. 25 DIA UNDER REAMED PILE FOUNDATION
2. FIRST CLASS BRICK WORK (1:6) FOR SUPER STRUT
3. R.C.C. LINTEL & PLINTH HEIGHT SHOW IN SECTION
4. 11Th. LIME TERRACING OVER 10 Th. R.C.C ROOF SLAB
5. 02Th. I.P.S. FLOORING OVER 15 Th. DRY RAMMED KHOA OVER 07 Th. BRICK FLAT SOLING OVER SAND FILLING
6. 02 Th. CEMENT PLASTER (1:6)BOTH SIDE OF BUILDING
7. WHITE & COLOUR WASH AS PER CHOICE

## FIRE LESEND

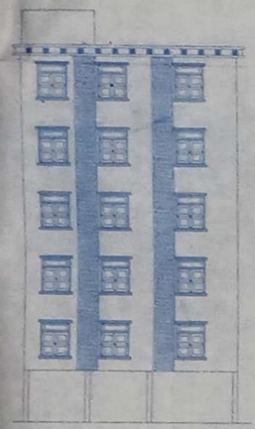
1. F.D. FIRE CHEKED DOOR FOR 1/2 Hr.CAP
2. EMERGENCY LIGHTING SYSTEM
3. YARD HYDRANT
4. AREA COVERD WITH AUTOMATIC SPONKLOR INSTALLATION
5. SEAMESE CONNECTION
6. I.S.I. MARKED F.E
7. PROTABLE CHEMICAL B.C. FIRE EXTINGUISHER OF 5 KG. CAPACITY
8. TERRACE TANK OF 25000 ITS CAP FIRE FITTING



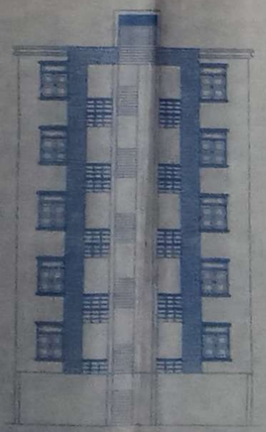
SECTION Y-Y



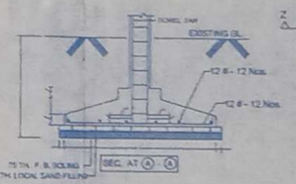
SECTION X-X

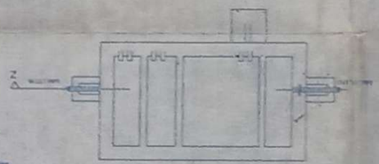


SIDE ELEVATION

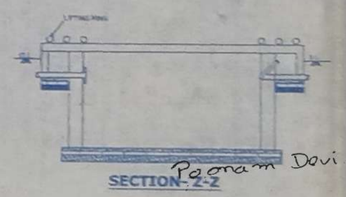


FRONT ELEVATION



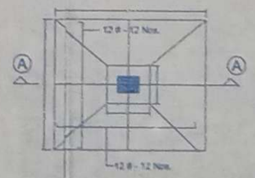


PLAN OF SEPTIC TANK & SOAK PIT



SECTION 2-2

Ragram Devi





THE HOUSE OF
MD. MINHAJ ASHRAF
REPRESENTS T&CPL
AT - MAUJA - EKAWANA
THANA NO - 354
KHATA NO - 367
SURVAY PLOT NO - 1798
DIST - BHOJPUR

SCALE :- 1:100

SIGN. OF OWNER

SIGN. OF ENGINEER

Ramram Devi
भूमिया
ग्राम पंचायत एकौना
भोजपुर-पुनपुनबाग (बिहार)
10/07/2016

| | |
|---|---|
| TOTAL PLOT AREA | = 230.66sqm |
| GROUND B/A FLOOR AREA | = 7.63SQM |
| 1st. B/A FLOOR AREA | = 144.57SQM |
| 2nd. B/A FLOOR AREA | = 144.57SQM |
| 3rd. B/A FLOOR AREA | = 144.57SQM |
| 4th. B/A FLOOR AREA | = 144.57SQM |
| 5th. B/A FLOOR AREA | = 144.57SQM |
| TOTAL BUILTUP AREA | = 730.48 SQM |
| F. A. R. | = 3.166 |
| COVERAGE | = 62.67% |

### WATER TANK CALCULATION:-

SEPTIC TANK CALCULATION.
TOTAL NOS OF FLAT =20
ASSUME 5 PERSONS /FLAT REQ. 20 X5=100
ADD 20 % EXTRA =120 PERSON
SO, TOTAL NOS OF PERSON =120 NOS
CAPACITY OF SEPTIC TANK FOR 120 PERSON
@ 0.085 M / PERSON / DAY
120X 0.085 = 10.2 $M^3$
PROVIDED SIZE OF SEPTIC TANK
(1.) 3.00 X 2.20 X 2.00 = 13.2$M^3$

### SEPTIC TANK CALCULATION:-

TOTAL NOS OF FLAT = 20
ASSUME 5 PERSONS /FLAT REQ. 20 X5 =100
TOTAL NOS OF PERSON = 100
ADD 20 % EXTRA = 120 PERSON
ASSUME 135 LTR.WATER CONSUMPTION/PER./DAY
= 120X 135 +5000 ( FOR FIRE FIGHTING )
= 21200 ltr. = 21.20 $M^3$
SIZE OF WATER TANK PROVIDED
(1) = 5.49 X 3.18 X1.52 = 26.53 $M^3$

### SET BACK DETAILS:-

FRONT SIDE SETBACK =1500
BACK SIDE SETBACK =1500
LEFT SIDE SETBACK =1500
RIGHT SIDE SETBACK =1500