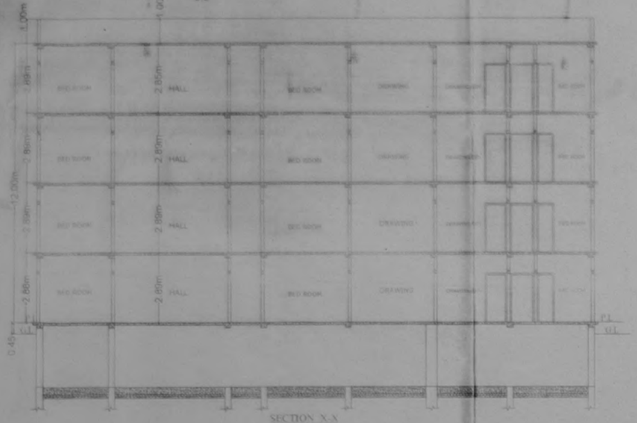
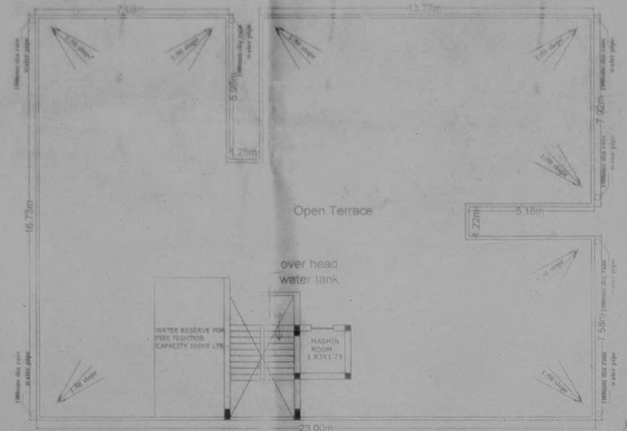
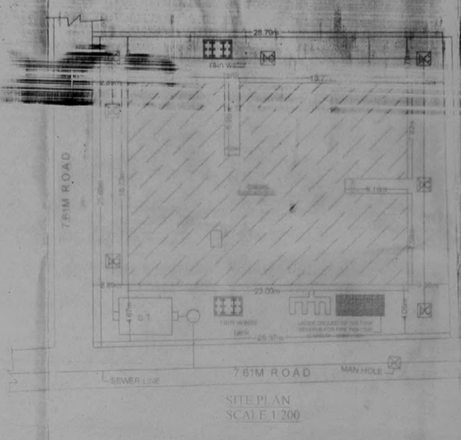




SECTION X-X

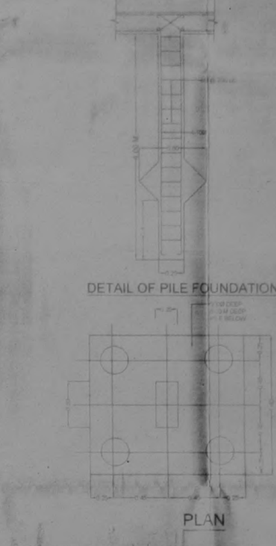


Terrace Plan





LEGEND FOR FIRE FIGHTING	
1)FIRE RESISTANT DOOR	—FD—
2)FIRE HYDRANT SYSTEM	—(W)
3)HOSE REEL	—H—
4)UNDER GROUND WATER SEPTIC 20000 LTRS. CAP.	
5)UNDER GROUND WATER TANK	
6)OVER HEAD WATER TANK	
7)ILLUMINATED EXIT SIGN	
8)SIAMESE CONNECTION	
9)EMERGENCY LIGHTING SYSTEM	
10)SPRINKLER	



DETAIL OF PILE FOUNDATION

PLAN

SCHEDULE OF DOORS & WINDOWS

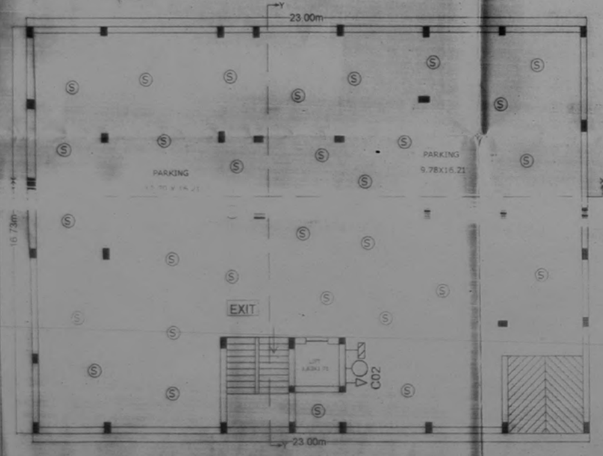
S.NO	TYPE	WIDTH	HEIGHT	DISCRIPTION
1.	D	1.07	2.54	FLUSH DOOR
2.	D1	0.91	2.54	FLUSH DOOR
3.	D2	0.76	2.54	FLUSH DOOR
4.	W	1.37	1.63	GLAZED
5.	W1	0.91	1.19	GLAZED
6.	W2	0.75	1.63	GLAZED
7.	W3	0.61	0.91	GLAZED



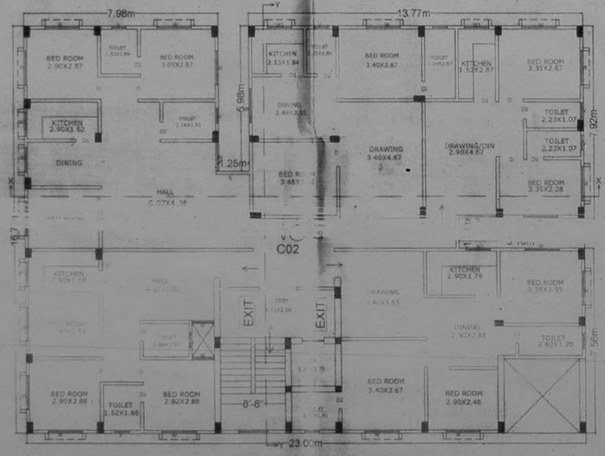
FRONT ELEVATION



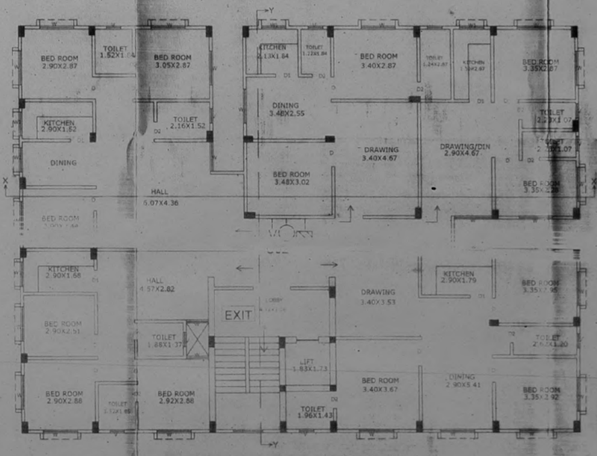
BACK SIDE ELEVATION



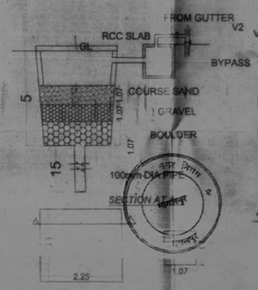
BASEMENT PLAN



GROUND FLOOR PLAN



FIRST,SECOND & THIRD FLOOR PLAN



DET.OF RECHARGEBLE BORE WALL

WATER HARVESTING CALCULATION -
6\100 X 364.52 = 21.87 CUM
PROVIDED - 2.25X2.25X5
= 25.31 CUM

AREA CALCULATION

TOTAL PLOT AREA = 734.97 SQ.M.

TOTAL BASEMENT AREA = 17.07 SQ.MT

TOTAL GROUND FLOOR BUILT UP AREA = 364.52 SQ.MT

TOTAL FIRST FLOOR BUILT UP AREA = 364.52 SQ.MT

TOTAL SECOND FLOOR BUILT UP AREA = 364.52 SQ.MT

TOTAL THIRD FLOOR BUILT UP AREA = 364.52 SQ.MT

TOTAL BUILT UP AREA = 1464.53 SQ.MT

F.A.R. - 1.99

OCCUPANT CODE

RESIDENTIAL

TOTAL NOS. OF FLATS - 20 FLATS
5PERSON /FLAT
TOTAL NO OF PERSON = 5X20 = 100 PERSON

PARKING CALCULATION:-

TOTAL BUILT UP AREA = 3228.40 SQ.FT
TOTAL REQUIRED PARKING AREA 25% OF TOTAL BU AREA
REQUIRED CAR PARKING AREA (25%) = 366.13 SQMT
TOTAL PROVIDED PARKING AREA = 967.30 SQM.

WATER SUPPLY CALCULATION:-

TOTAL NOS. OF PERSONS = 100

REQUIREMENT OF WATER TANK FOR 100 PERSONS
@ 135 LTRS. / DAY / PERSON = 100 X 135 = 13500.00 LTRS
(13.50 CUM)
CAPACITY OF OVER HEAD WATER TANK PROVIDED
SIZE = (4.0 X3.0X1.00) = 12.0 CUM.

SEPTIC TANK CALCULATION

TOTAL NOS. OF PERSON = 100
REQUIREMENT OF SEPTIC TANK FOR 100 PERSONS
@ 0.087 M³ PER PERSON / DAY = 100 X 0.087 M³
= 8.7 M³
SIZE OF SEPTIC TANK-(LxWxH)= 3.0x2.00x2.00
= 12.00 M³

PROPOSED RESIDENTIAL BUILDING OF (1)SRI SHAMBHU NATH SINHA (2) SRI VISHWA NATH SINHA S/O- LATE PRABHASH CHANRA SINHA AT-TILKAMANJHI, CENTRAL JAIL ROAD, THANA -TILKAMANJHI, WARD No.-9/31, HOLDING NO.-346, JAMABANDI No.-638 KHATA No.- 638, KHESRA No.- 791(K,Kh,G,Gh), ANCHAL- JAGDISHPUR DIST-BHAGALPUR UNDER MUNICIPAL CORPORATION BHAGALPUR

SIGNATURE OF OWNER

SIGNATURE OF ENGINEER

Er. Pramod Kumar
Regd. Engineer
B. M. C. Bhagalpur
I/C No. 5/97

Bhagalpur Municipal Corporation
BHAGALPUR
SANCTIONED SET BACK
Front - 4.57 M (15.00 ft)
Rear - 3.75 m
Left Side - 2.99 m
Right Side - 2.56 M (8.39 ft)

Municipal Commissioner
Bhagalpur Municipal Corporation

RAJEEV KUMAR
CERTIFIED ARCHITECT
Bhagalpur Municipal Corporation, Bhagalpur
Reg. No- BR/A/MC/09/2009

VSE

कार्यालय नगर निगम, भागलपुर

स्वामी विवेकानन्द पथ
कचहरी कैम्पस
भागलपुर
logon to- bhagalpurnagarnigam.in, e-mail- nagarnigambhagalpur@gmail.com, contact- 0641-2302035

BHAGALPUR

भागलपुर नगर निगम

रजिस्ट्रेशन नं० 5285 /BMC/MAP/16-17

फार्म–VIII–ख

भूमि विकास अनुज्ञा के अनुमोदन का फारम

उपविधि संख्या–88(3)

आप के आवेदन संख्या– 711 तिथि– 10.11.16 के संदर्भ में श्रीमती/श्री शंभुनाथ सिन्हा एवं श्री विश्वनाथ सिन्हा के लिए

(क) भूमि विकास की अभिन्यास (ले–आउट) योजना के लिए

(ख) भूमि के उपयोग में परिवर्त्त करने के लिए

भागलपुर नगर निगम, भागलपुर क्षेत्रान्तर्गत बिहार नगरपालिका 2007 की धारा–321 और बिहार शहरी आयोजना तथा विकास अधिनियम, 2012 की धारा–81(2) (ब) के अन्तर्गत प्लॉट नं0 (सी0एस) 731 (K, Kh, G, Gh) प्लॉट नं0 (एम0एस0पी0) 731 (K, Kh, G, Gh) खाता नं0 638 होल्डिंग नं0 346 पता:– सेन्ट्रल जेल रोड मोहल्ला:– तिलकामांझी वार्ड नं0 31 के बाबत निम्नलिखित शर्त्तों/निर्वधनों के अध्याधीन एतद् द्वारा अनुमति प्रदान की जाती हैं:–

(क) भूमि का उपयोग अनन्य रूप से आवासीय (G+3) प्रयोजन के लिए किया जाएगा और इस प्राधिकार के पूर्व अनुमोदन के बिना उपयोगों को किसी अन्य उपयाग के लिए परिवर्त्तित नहीं किया जाएगा।

(ख) विकास पूर्ण रूप से आवश्यक अनुमति के पृष्ठांकन के साथ संलग्न योजनाओं के अनुसार किया जाएगा।

(ग) अनुमोदित योजना में दर्शाया गया ..... वर्ग मीटर का पार्किंग स्थान खुला रखा जाएगा और इसके किसी भाग पर निर्माण नहीं किया जाएगा।

(घ) प्रस्तावित निर्माण वाली भूमि 7.61 मीटर चौड़ाई के पहुँच मार्ग के माध्यम से सुगम्य होगी।

(ड़) प्रश्नगत भूमि आवेदक के विधिपूर्ण स्वमित्व एवं शांतिपूर्ण कब्जा में अवश्य हो।

(च) सड़क को मानक चौड़ाई तक और चौड़ी करने के लिए आवेदक, विभिन्न विकास योजना/आयोजना प्राधिकारों/या बिहार शहरी आयोजना तथा विकास अधिनियम, 2012 के अधीन अधिसूचित किसी योजना स्कीम के अधीन आच्छादित सुसंगत आयोजना प्राधिकार/ग्राम पंचायत क्षेत्रों के अधीनस्थ भागलपुर नगर निगम क्षेत्र में ..... मीटर चौड़ी भूमि की पट्टी मुफ्त उपहार के रूप में देगा।

(छ) अनुमति (अनुज्ञा) जारी किए जाने की तारीख से तीनों वर्षों की अवधि के लिए विधिमान्य होगी।

(ज) इस उपबंध के अधीन दी गई अनुमति उस भूखंड, जिसके योजना अनुमोदित की गई हो, के अधिकार/हक/हित की बाबत साक्ष्य नहीं मानी जाएगी।

(झ) योजना के अनुमोदन के पश्चात् भू–अभिलेख के कारण या अधिकार/हक/हित की बात होई विवाद होने पर, विवाद की अवधि के दौरान योजना स्वतः रद्द समझी जाएगी।

(ञ) कोई अन्य शर्त्त।

03/12

नगर आयुक्त
नगर निगम, भागलपुर

ज्ञापांक सं0– 5285 /भा0न0नि0 दिनांक 10/12/2016

प्रतिलिपि:– अनुमोदित योजनाओं की 2 (दो) प्रतियों के साथ श्रीमती/श्री शंभुनाथ सिन्हा एवं विश्वनाथ सिन्हा, तिलकामांझी को सूचनार्थ अग्रसारित।

03/12

नगर आयुक्त
नगर निगम, भागलपुर

Provisional Fire Clearance (Under 15Mtr. Height)

Letter No. 5243.

OFFICE OF THE STATE FIRE OFFICER, BIHAR, PATNA.

From,

Clement Florian,
State Fire Officer,
Bihar, Patna.

To,

Sri Sudhendu Ranjan,
Certified Architect,
Q-1, Chandi Vyapar Bhawan,

Patna Dt. 28/08/2015

Sub:- The views regarding proposed fully residential building of Under 15 mtr, in height to be constructed at Anchal- Jagdishpur, Distt.- Bhagalpur.

Sir,

Please refer to your letter no.- nil dt.-through which this aforesaid plan has been sent to us for examination, which was examined by the Fire Service committee.

During examination of the plan it was found that a B+G+3 (Total B/U area 1464.53 sq.Mtr.), fully residential building, shall be constructed on more than 20 feet wide road belongs to (1) Sri Shambhu Nath Sinha, (2) Sri Vishwa Nath Sinha S/O- Late Prabhash Chandra Mishra, on having Plot no.- 791 KA, KH, G, GH, Khata no- 638, ward no- 9/31, Holding no- 346, Thana- Tilkamanjhi at Anchal- Jagdishpur, Dist- Bhagalpur.

We suggest/advice the following Fire precautionary measures based on N.B.C guide line and the local circumstances:-

i) **Construction:**

a) The whole construction of the proposed building shall be carried out as per approved plan drawing conforming the relevant building rules of local Municipal Corporation.
b) The floor area exceeds 750 m² shall be suitable compartmented by separation walls up to ceiling level having at least two hours Fire resisting capacity.
c) The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
d) Provision of ventilation at the crown of the central core-duct of the building shall be provide.
e) Arrangements shall have to be made for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.

ii) **Open Space & Approach:**

a) The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility an maneuverability of Fire appliance with turning facility.
b) The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 20 M.T.
c) The width and height of the access gates into the premises shall not be less than 4.5 M and 5M respecting abutting the road.

iii) **Stair Case:-**

a) The Staircase of the building shall be enclosed type. Construction shall be made of brick / R.C.C. type having Fire resisting capacity not less than 4 hours respectively marked in the plan.
b) The Staircase of the building shall have permanent vents at the top equal to 5% of the cross sectional area of the staircase enclosures and operable sashes at each floor level equal to 15% of the said cross section are shall have to be provided in the external wall of the building.
c) All the Staircase of the building shall be negotiable to each other in each floor without entering into any room and shall be extended up to respective terrace. The roof of the Stair wall shall be 1M above the surrounding roof area.
d) The width of the Staircases and corridor and travel distance of different categories of occupancies shall have to confirm the relevant building rules.
e) In case of two staircase, one must be on outer wall.

iv) **LIFT:-**

a) The walls of the Lift enclosure of the building shall be at least two hours Fire resisting type respectively marked in the plan with the event at top of area not less than 0.2m².

b) The lift of the building shall be designed at high speed "Fire Lift" and conspicuously indicated marked in the plan.

c) In case of failure of normal electric supply, it shall automatically trip over to alternate supply. For apartment houses these changeover of supply could be done through manually operated change over switch. Alternatively, the lift shall be so wired that in case of power failure, it comes down at the ground level land comes to stand still with door open.

d) Arrangement shall be provided for extraction of smoke in all the lift shaft by incorporation smoke venting system designed to permit 30 Air changes per hour in case of Fire and shall be of such design s to operate on actuation of sprinkler of Fire Alarm. In case of failure of normal electric supply. It shall automatically trip to alternate supply.

e) All other requirements shall conform the I.S specification including the communication facility in the lift cars connecting with the Fire Control Room of the building.

v) That active Fire protection system such as wet cum down comer system with landing valve and hose reel at each floor incorporated with 450 LPM pump at Terrace level, ISI marked Fire extinguishers as per I.S 2190/1992, F.R. check door, manual call alarm point, Fire safety luminescent sign & other Fire precautionary measures as mentioned in NBC be provided before occupancy.

vi) That an underground water static tank of not less than 20,000 Ltrs. Capacity with automatic refilling arrangements permeably on front side where Fire Brigade vehicles can reach easily & overhead water static tank of not less than 10,000 Ltrs. Capacity should be made a available before occupancy.

vii) That the internal finishing shall be non-combustible or class-I surface spread of flame.

viii) That electric cables must be shield at each floor with intumescing coating.

ix) That AMC should be given to a qualified firm or person for the maintenance of above recommended Fire equipments.

x) That Fire exit drill be carried out regularly at least twice in a year after occupation.

Xi) That the building must be constructed on at least 20 feet wide road and it is responsibility of the concerned Architect to be sure of the road width because he is the passing authority.

This shall be treated as provisional. On compliance of all the above Fire and Life Safety recommendations, this office shall be approached of necessary inspection and testing of the installation, Final in favor of the occupancy shall be issued on being satisfied with the tests and performances of safety aspects of installation of the building.

NB.- Any deviation and changes the nature of use of the building in respect of the approved plan drawing without obtaining prior permission from this office, this provisional will be treated as cancelled.

The maps are being returned with sign and stamp.

Encl- As Above

Yours faithfully,

27/8/15

(Clement Florian)