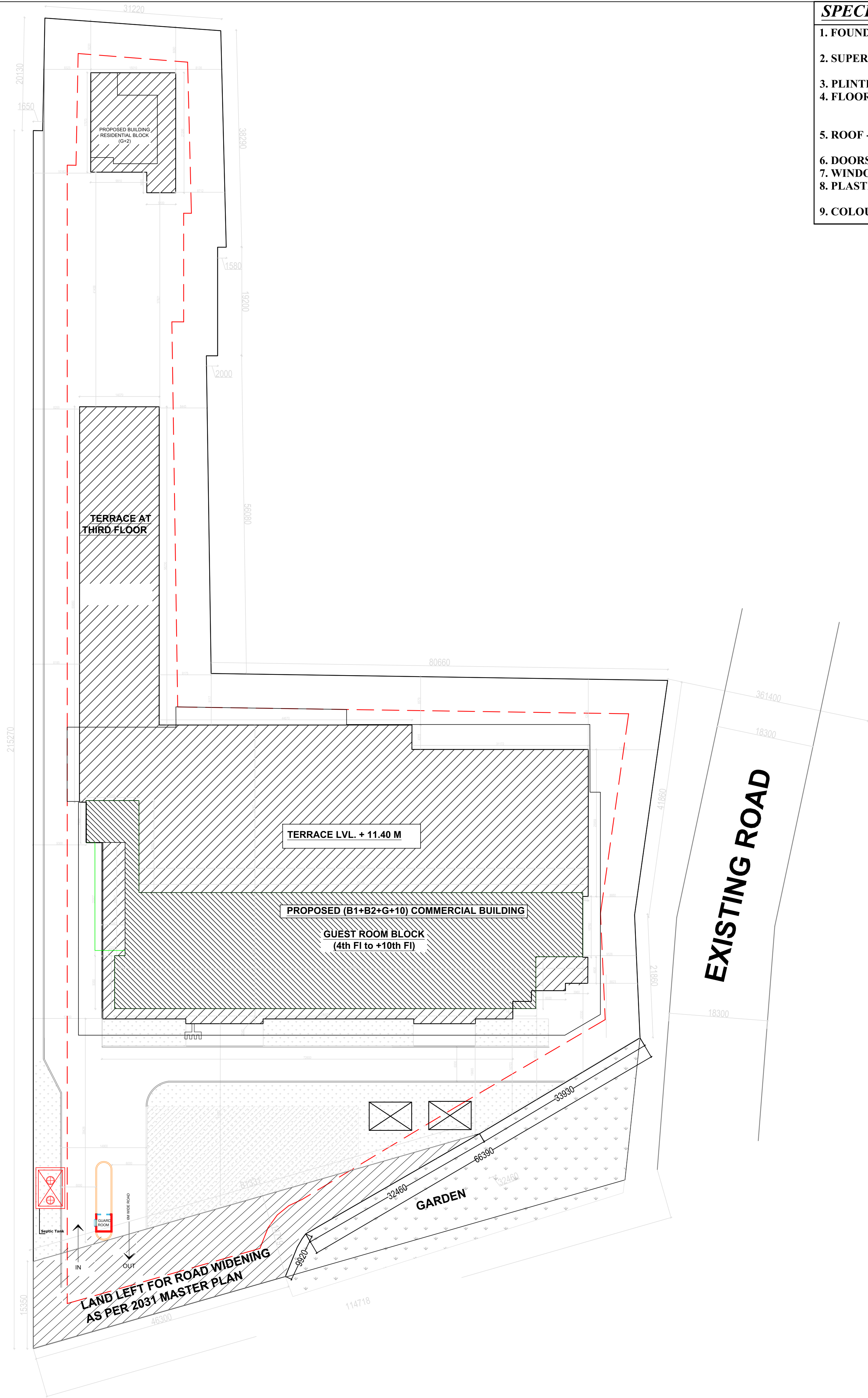




SITE PLAN

| SPECIFICATION:-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1. FOUNDATION - R.C.C. UNDER REAMED PILE FOUNDATION 6.0 M DEEP WITH R.C.C. AS/ STRUCTURAL ENGINEER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| 2. SUPER STRUCTURE - 1st CLASS BRICK WORK IN SUPER STRUCTURE WITH CEMENT MORTER 1:6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| 3. PLINTH - HEIGHT P.L. AND G.L. AS SHOWN IN SECTION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| 4. FLOORING - 0.025M TH. I.P.S. FLOORING OVER 0.125M TH. DRY RAMMED KHOA OVER 0.075 M TH. BRICK FLAT SOLING OVER SAND FILLING.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| 5. ROOF - 0.10M TH. AVERAGE LIME TERRACING OVER R.C.C. ROOF SLAB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| 6. DOORS - CHOWKHATS OF DOORS TO BE SAL WOOD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| 7. WINDOWS - ALL WINDOWS TO BE FULLY GLAZED IN STEEL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| 8. PLASTER - 0.12M TH. CEMENT PLASTER ON BOTH SIDE OF BRICK WORK.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| 9. COLOURING - COLOUR OR WHITE WASH AS/CHOICE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| POPULATION DENSITY CALCULATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| TOTAL COMMERCIAL B/U AREA = 27155.08 SQ.M.<br>TOTAL CARPET AREA=27155.08/2 SQ.M.=13577.54 SQ.M<br>TAKING DENSITY OF 6 SQ.M PER PERSON=13577.54/6 =2262.92≈2263 PERSON<br>TOTAL NO. OF PERSONS = 2263 PERSON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| EMERGENCY EVACUATION ASSEMBLY AREA CALCULATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| ASSUMING OCCUPANCY % = 80% FOR RESIDENTIAL<br>= 80% OF 2263= 0.8 X 2263= 1810 PERSONS<br>TOTAL NO. OF PERSONS =<br>AREA REQUIRED FOR 1 PERSON (TO STAND) = 0.30 SQ. M<br>AREA REQUIRED FOR 440 PERSONS = 1810 X 0.30 = 543.00 SQ. M<br>TOTAL EMERGENCY EVACUATION ASSEMBLY AREA PROVIDED = 603.91 SQ.M.                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| WATER TANK CALCULATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| TOTAL NO. OF PERSON = 2263 PERSON<br>PER PERSON REQD. VOLUME =45 ltrs/day<br>REQD.VOLUME OF WATER TANK = 2263 X45 = 1,01,835 ltrs = 101.84 cum.<br>20000 LTRS PROVIDED AT OVER HEAD WATER TANK FOR FIRE FIGHTING<br>TOTAL REQUIRED CAPACITY = 121.84 CUM.<br>PROVIDE VOLUME OF WATER TANK SIZE AT BASEMENT-02<br>(1) 9.00 X6.30 X 3.53 = 200.15 cum.<br>(2) 9.00 X6.30 X 3.53 = 200.15 cum.<br>TOTAL PROVIDED CAPACITY = 400.30 CU.M.                                                                                                                                                                                                                                                                      |  |
| RAIN WATER HARVESTING TANK CALCULATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| TERRACE FLOOR AREA = 5950.00 sqm.<br>RAIN WATER HARVESTING SUMP REQ. 6 cum FOR EVERY 100 SQM. TERRACE AREA.<br>SO-TOTAL-REQ. CAPACITY OF SUMP =5950x0.6=357.00cm<br>PROVIDED 2 TANK OF SIZE =(7.50x5.00x5.00)X2 =375.00 cum<br>TOTAL VOLUME OF SUMP = 375.00 cum                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| BUILT UP AREA CALCULATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| TOTAL PLOT AREA AS/SITE = 13916.56 SQ.MT.<br>LAND LEFT FOR ROAD WIDENING = 864.84 SQ.MT.<br>NET PLOT AREA = 13916.56-864.84 = 13051.72 SQ.MT.<br>BASEMENT 1 AREA = 17.14 SQ.MT.<br>BASEMENT 2 AREA = 17.14 SQ.MT.<br>GROUND FLOOR AREA = 5107.24 SQ.MT.<br>1ST FLOOR AREA = 5234.14 SQ.MT.<br>2ND FLOOR AREA = 5241.32 SQ.MT.<br>3RD FLOOR AREA = ---- (Service Floor)<br>4TH FLOOR AREA = 1648.30 SQ.MT.<br>5TH FLOOR AREA = 1648.30 SQ.MT.<br>6TH FLOOR AREA = 1648.30 SQ.MT.<br>7TH FLOOR AREA = 1648.30 SQ.MT.<br>8TH FLOOR AREA = 1648.30 SQ.MT.<br>9TH FLOOR AREA = 1648.30 SQ.MT.<br>10TH FLOOR AREA = 1648.30 SQ.MT.<br>TOTAL BUILTUP AREA = 27155.08 SQ.MT.<br>F.A.R.= 27155.08 / 13051.72 = 2.08 |  |
| PARKING AREA CALCULATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| REQUIRED PARKING 35% OF 85% OF TOTAL B/U AREA (35% OF 85% OF 26800 SQM) = 8078.64<br>CAR PARKING AREA PROVIDED (5118.74 SQM X2) = 10237.48 SQ.MT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| GREEN AREA CALCULATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| REQUIRED GREEN AREA 10% OF TOTAL PLOT AREA = 13051.72 SQ.MT.<br>GREEN AREA PROVIDED = 1305.17 SQ.MT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| REFUSE AREA CALCULATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| 0.30 SQM/PERSON OF TWO NOS. FLOOR (POPULATION @12.5 SQM PER PERSON) + 0.90 FOR POPULATION 1612.58*2 / 12.5 = 258 PERSONS<br>REFUSE AREA REQUIRED = (258*0.30) +0.90 = 78.30 SQ.M.<br>REFUSE AREA PROVIDED (60+43.79) = 103.79 SQM.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |

PLOT DETAILS :-

PROPOSED TRIBHUWAN RESORT OF SRI NAND KISHORE SINGH  
S/O LATE TRIBHUWAN PRASAD SINGH AT SHEIKHPURA  
MORE BAILEY ROAD ,PATNA, BIHAR.  
C.S KHESRA NO. -  
1486,1408,1409,1407,1852,1401,1402,1406,1407,1400,1384,1481,1398,  
1397,1395,1850,1399,1391,1392,1396,1403 ,1404  
C.S KHATA NO.-456,390,381,396,380,404,378,396,448,446,445,454,  
443,218,37,445,388,398,385,402  
THANA NO. - 09, THANA- SHEIKHPURA, MAUZA- SHEIKHPURA  
DISTRICT - PATNA

|            |                    |                                                                                                                         |
|------------|--------------------|-------------------------------------------------------------------------------------------------------------------------|
| SHEET NO.  | SCALE.             | NORTH.                                                                                                                  |
| S.D -01/06 | 1 : 100<br>1 : 200 |                                                                                                                         |
|            |                    | <br>BRAJESH KUMAR SINHA<br>Registration No.<br>BR/UDHD/SE/23-0071<br>UDHD, Government of Bihar<br>SIGNATURE OF ENGINEER |
|            |                    | <br>AMIT KUMAR<br>ARCHITECT<br>EMPL NO -AR/08/15<br>PATNA NAGAR NIGALJ<br>SIGNATURE OF ARCHITECT.                       |

SITE PLAN