**AMERICAN INTERNATIONAL**

**UNIVERSITY-BANGLADESH**

408/1, Kuratoli, Khilkhet, Dhaka 1229, Bangladesh

**Design a civil plan with electrical fitting & fixture according to BNBC of a hospital floor of a multi-stored building using AutoCAD**

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| **Assignment Title:** |  |  |
| **Assignment No:** **01** |  | **Date of Submission:** **December 12, 2022** |
| **Course Title:**  **COMPUTER AIDED DESIGN & DRAFTING** |  |  |
| **Course Code:** **BAE2101** |  | **Section:** **B** |
| **Semester:** **FALL** | **2022-23** | **Course Teacher:** **MAHAMUDUL HASSAN** |

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**B-3**

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**Report:**

Step:1

First, we set out 100feet x 100feet.

Step:2

After that, we drew a 34' x 37'4" room.

We enter this space through a stairway which measurement is 15’7” X10’ and a lobby and also a secondary stair has been drawn. Which measure is 10’ X 15’.

Step:3

A doctor's chamber measuring 68'9" by 20" is drawn after the main staircase is finished, and two more rooms—a doctor corner and a breastfeeding corner for babies—are also added. Which have common corridor.

Step:4

Then, wards were made to measure 34'7" X 43'6" and a toilet was added to each one. which have two separate toilets that are 8"5' x 10' in size.

Step:5

After completing the station, we created a 33'9" X 16'1" dining area.

Step:6

A 30'2" x 25' emergency room has also been added.

Step:7

Then we added three cabins, each measuring 13' by 16' inches, and two more, each measuring 12 by 16 inches.

Step:8

For emergency evacuation stairs measurement is 10’X16’5”.

Step:9

There are two lifts and the measurements are for L1 10’X8’ and for L2 10’X5’.

Step:10

There is a store room which have a measurement of 7’X20’2”.

Step:11

A common toilet is also located at below which is 7’X15’.

Step:12

This design have particular switch board for each room and two pin socket and also three pin socket for air conditioners. Every room have fan, tube light, multiple lights, normal lights.

Step:13

We have designed the doors taking 3’X3’.

Step:14

There is a telephone line board for telephone lines.

Step:15

A particular SDB and MDB has designed for overall wiring connections.