



AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Faculty of Engineering

BAE 2101: Computer Aided Design and Drafting

1.0 Title

Design a civil plan with electrical fitting & fixture according to BNBC of a restaurant floor using AutoCAD

2.0 Objectives

In this experiment, student will design the civil plan of a restaurant floor in AutoCAD with Electrical Fittings according to Bangladesh National Building Code.

3.0 Experiment to Solve

The experiment should be designed by the students following below mentioned requirements:

1.	Draw a Civil Plan of an ideal Call Center of total 6000 SFT (approx.) using AutoCAD Software.	[P1]	20 points
2.	Draw the Fittings for the civil plan consist of necessary electrical fittings applying BNBC.	[P4] [P5]	10 points

4.0 Lab Project Submission

Course Name:	COMPUTER AIDED DESIGN & DRAFTING	Course Code:	BAE 2101
Semester:	Fall 2023-2024	Section:	P
Faculty:	Raja Rashidul Hasan	OEL/Project	1
Assessment:	OEL (CO2 & CO3), POI: P.e.1.C6		
Submission Deadline:	Civil Plan and Fittings for a Call Center		

Category	Unsatisfactory (1-5)	Below Average (6-10)	Good (11-15)	Excellent (16-20)	Secured Marks
Civil Plan	The civil plan is either copied or very poor with major errors.	The civil plan is below average or incomplete with major errors.	The civil plan is drawn partially as per requirement with minor errors	The civil plan is unique and drawn as per requirements with proper dimensions	
Comments		Total Marks:			

Category	Unsatisfactory	Below Average	Good	Excellent	Secured
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	(0-3)	(5)	(7)	(8-10)	Marks
Electric Fittings	The fittings are incomplete or copied	The fittings are drawn or placed inappropriately without maintaining BNBC	The fittings are drawn and placed appropriately with partially complying to BNBC	The fittings are placed appropriately and maintaining BNBC	
Comments		Total Marks:			

SL #	ID	Student Name	Department	Marks
04	22-48370-3	SARKAR, NASIR	CSE	
11	22-48833-3	TANHA, ROKIYA IBNE	CSE	
13	22-48899-3	OISHE, AMINA TASNIM	CSE	
17	22-49399-3	TAZWAR, MONIM	CSE	
27	23-51193-1	SUJAN, NABIB AHAMED	CSE	

ATTACH SCREENSHOTS BELOW:

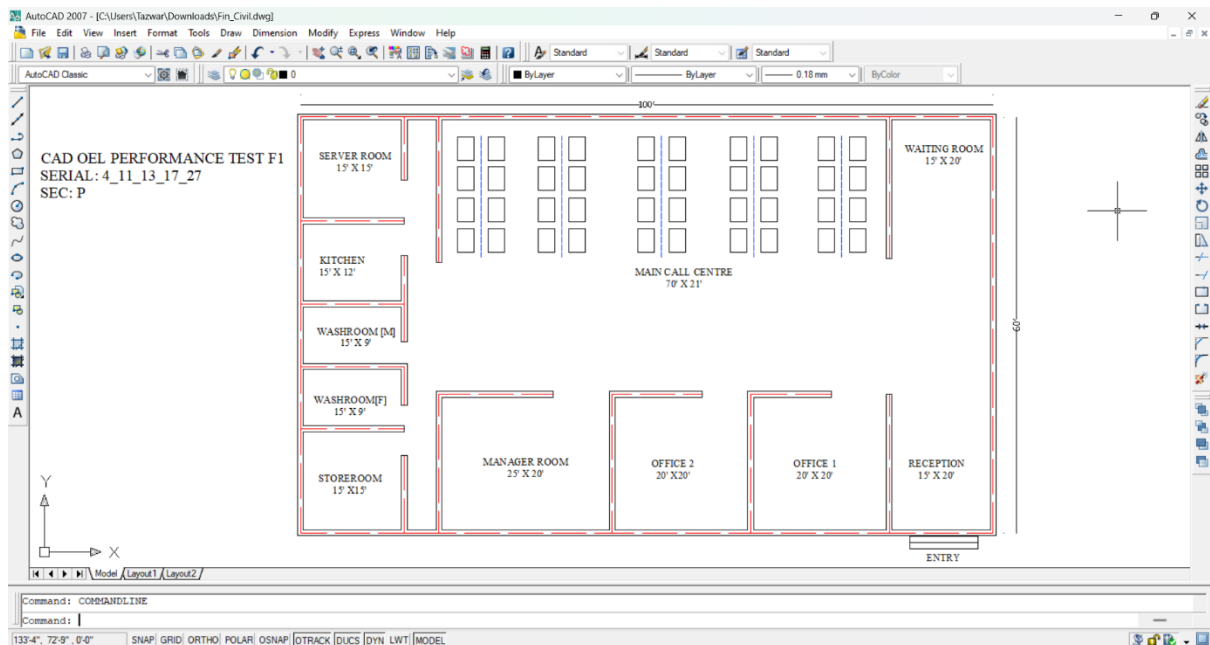


Figure 1: Civil Plan of an Ideal Call Center

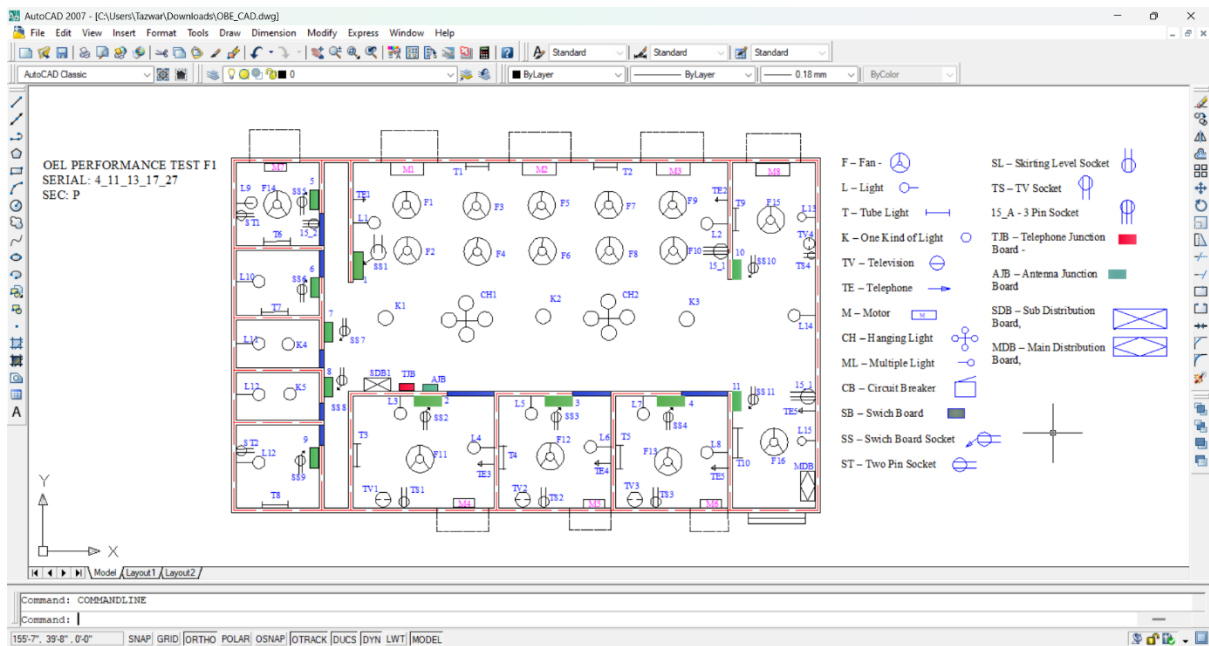


Figure 2: Fittings for the civil plan