



AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Faculty of Engineering

BAE 2101: Computer Aided Design and Drafting

1.0 Title

Design a civil floor plan with electrical fitting & fixture according to BNBC of a **new commercial bank branch** using AutoCAD

2.0 Objectives

In this experiment, student will design the civil floor plan of a new commercial bank brunch 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 a commercial bank branch of total 3500 SFT (approx.) using AutoCAD Software. The plan should be clearly dimensioned. Design must include a customer service lobby, vault/saferoom ideally away from main entry, branch manager's office, loan/accounts officers' desks, ATM zone accessible from exterior or interior, staff break room, kitchen, and corridor.	[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:	Spring 2024-25	Section:	J
Faculty:	Ahnaf Tahmid	OEL/Project	1
Assessment:	OEL (CO2 & CO3), POI: P.e.1.C6		
Submission Deadline:	25-05-2025		

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 (0-3)	Below Average (5)	Good (7)	Excellent (8-10)	Secured 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
1	22-49136-3	Talha Jubayer Asif	CSE	
2	22-48039-2	S.M Rasel	CSE	
3	22-48962-3	Asif Khandaker	CSE	
4	21-45062-2	MD Mobasher Arefin Talha	CSE	
5	22-48311-3	S.M Faisal Rahaman	CSE	

ATTACH SCREENSHOTS BELOW:

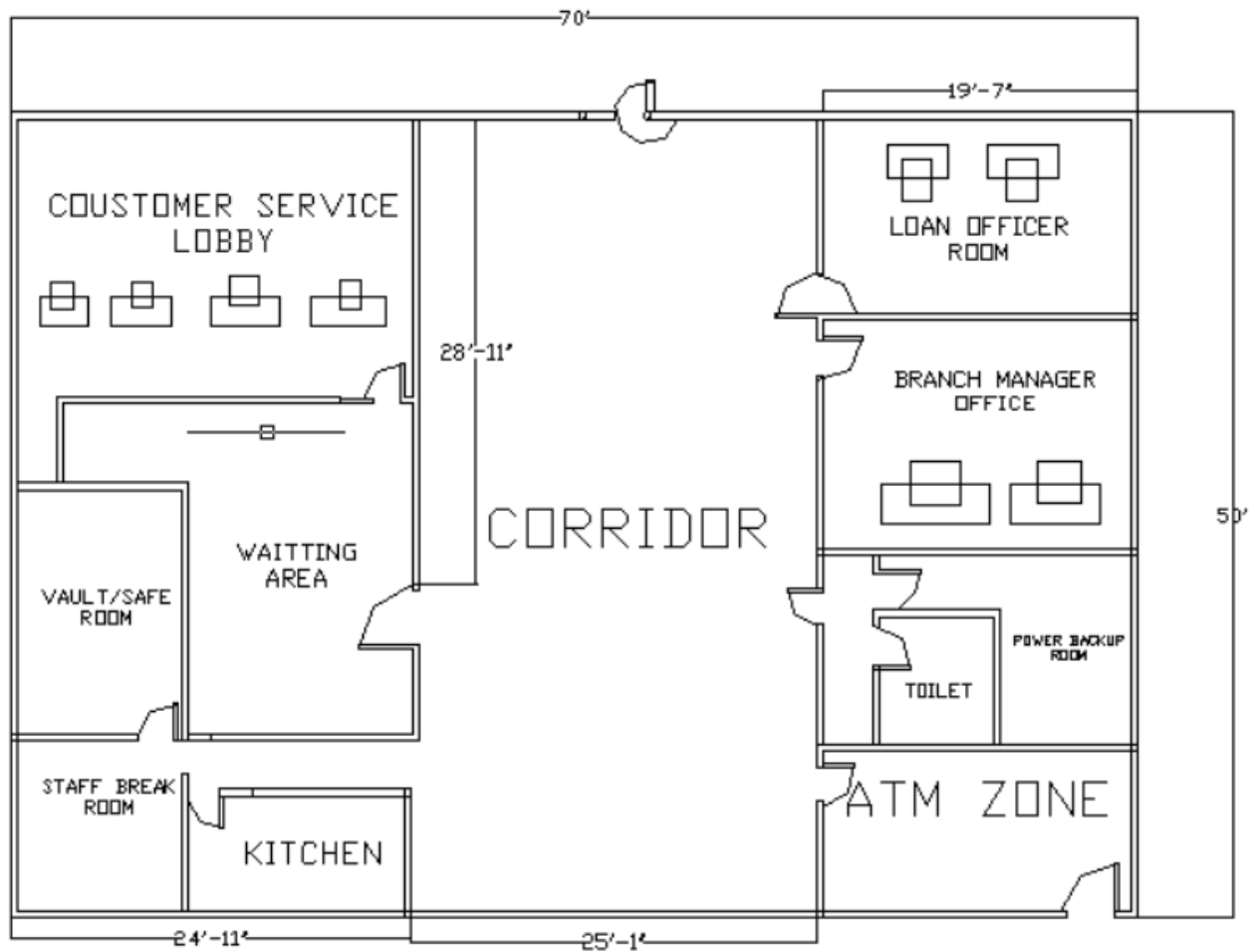


Figure: Civil plan

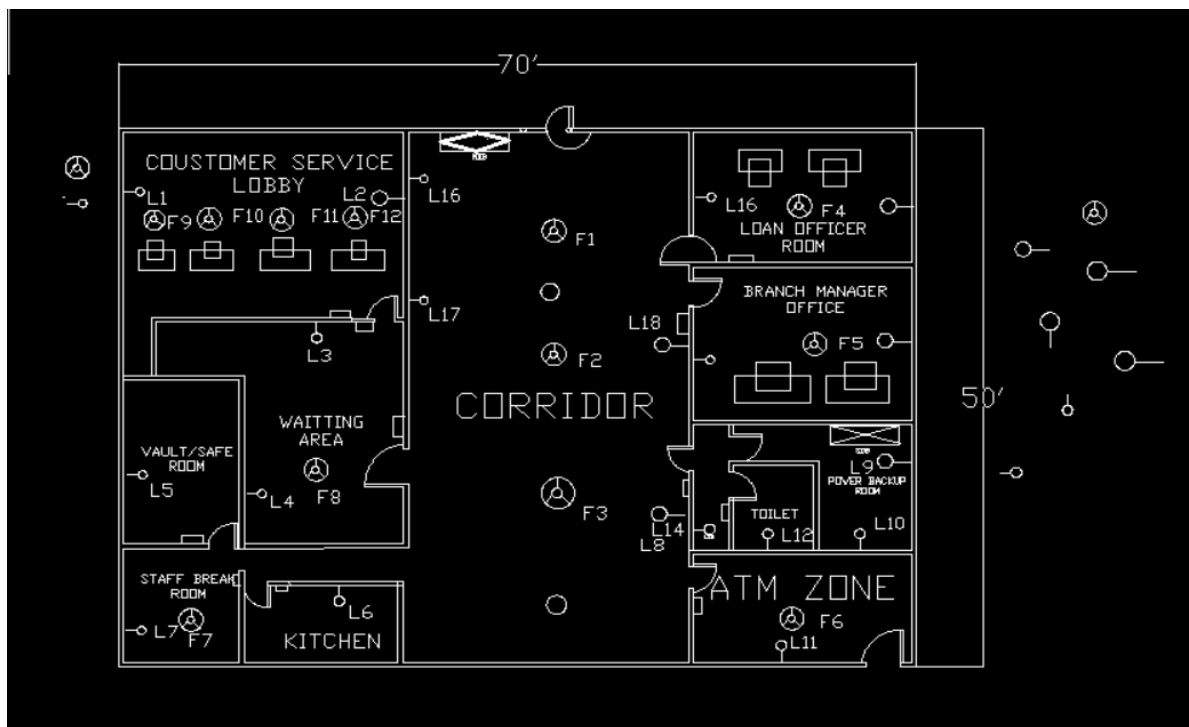


Figure: Electrical Fitting