



AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Department of CSE
Computer-Aided Design and Drafting

Section: L

Experiment No: # 05

Name: Khan, Md. Sazzad

Id: 22-49172-3

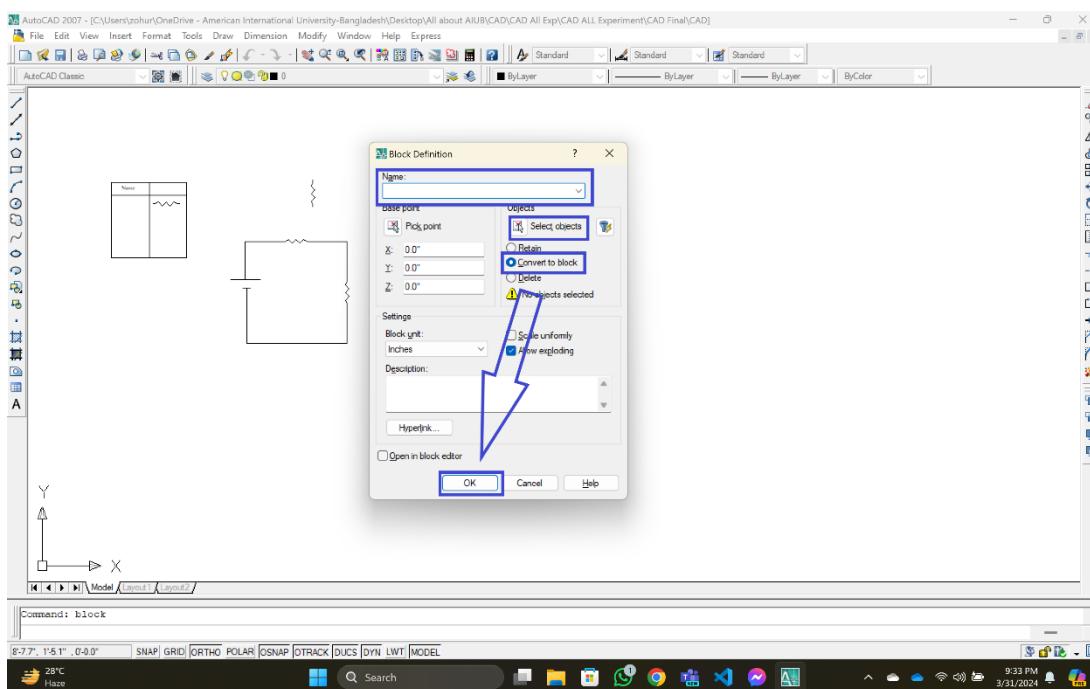
Supervised by: MD. RAKIBUL ISLAM CHOWDHURY

Name of Experiment: Introducing Electrical Symbols used for Electrical Circuit Design and drawing some Electrical Circuits using AutoCAD.

AutoCAD Comments:

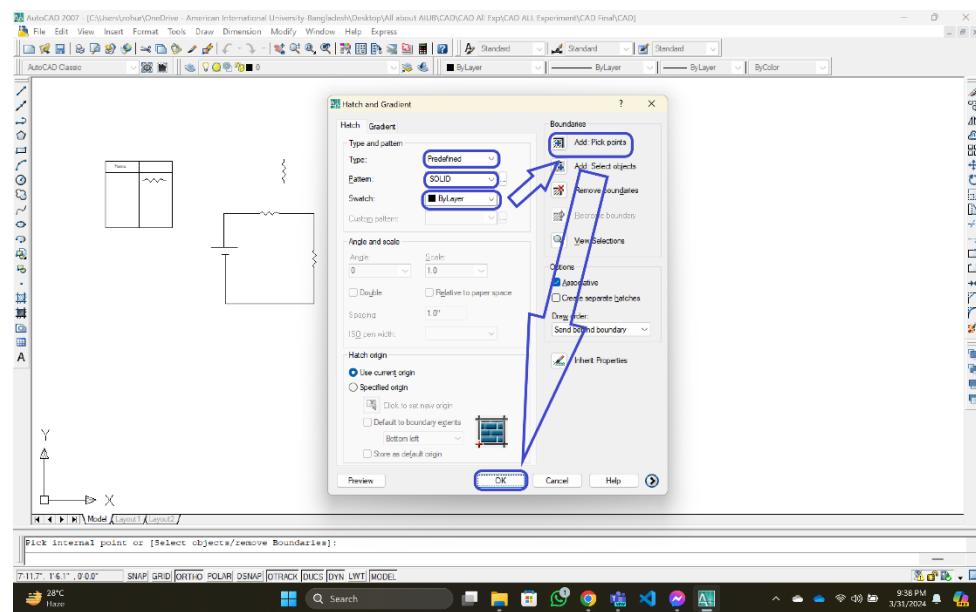
1. How To Create a Block in AutoCAD:

Block >> Enter >> input name >> Select objects >> Enter



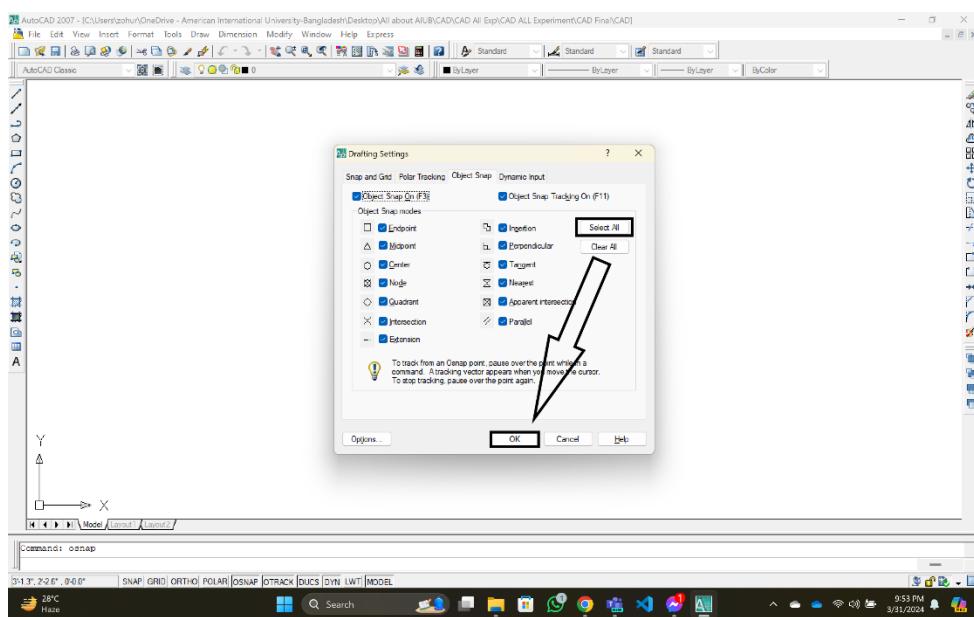
2. How To Hatch in AutoCAD:

Hatch >> Enter >> Type: Predefined >> Pattern: SOLID >>
Swatch: ByLayer >> Add: Pick points >> Select Boundary >> ok



3. How To Osnap Settings in AutoCAD:

Osnap >> Enter >> Select All >> ok.



4. How to Increase the Size of a Group Objects:

Scale >> Enter >> Select Object >> Specify Base point >> Enter the Multiplier >> Enter.

5. How to Rotate:

Rotate >> Enter >> Select object >> Specify Base point >> input Angle >> Enter.

6. How to Extend Line:

Ex >> enter >> Enter.

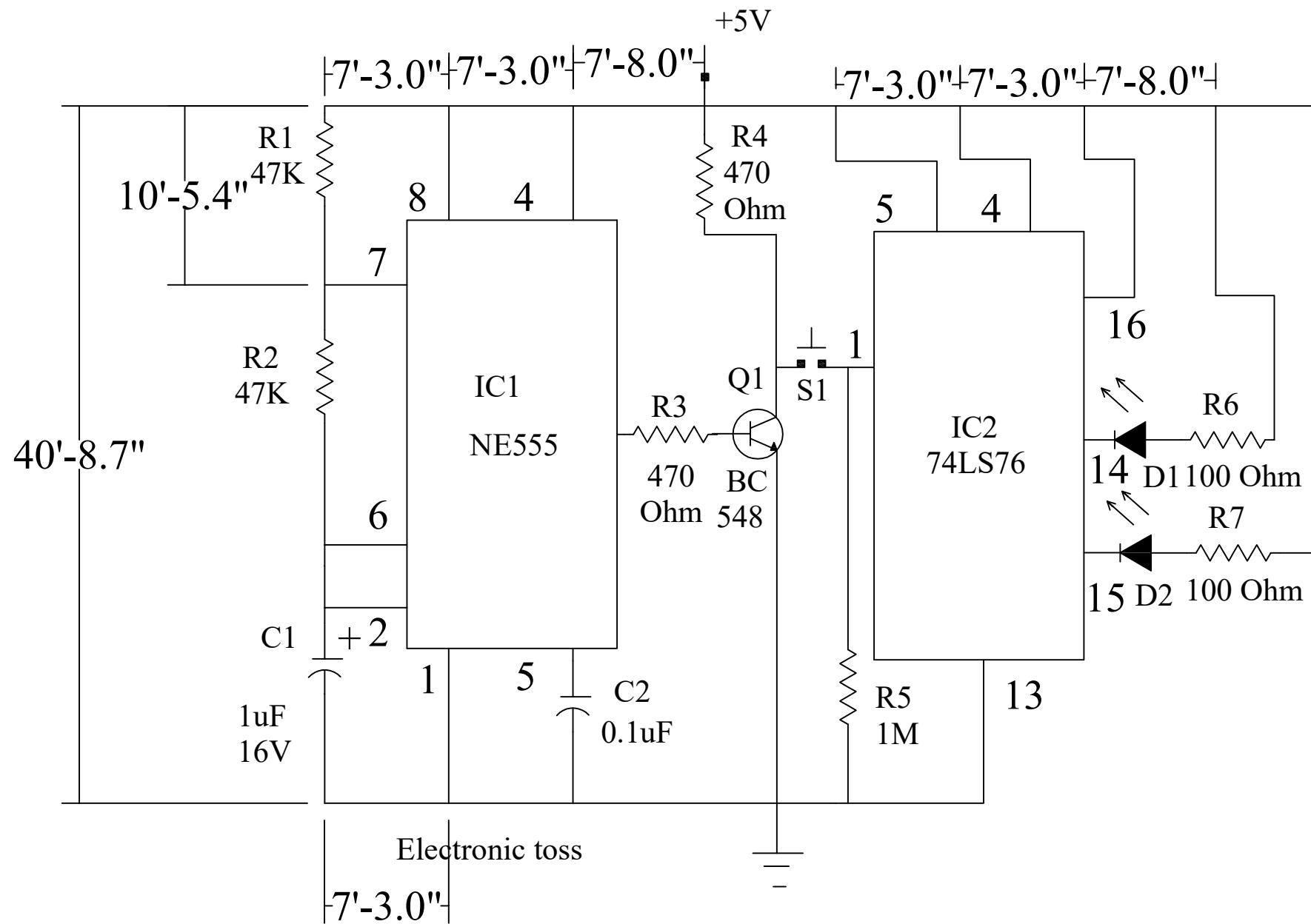
List of Electrical Symbols

Name	Symbol
Direct Current	—
Alternating Current	~
Resistor	-~~~~~
Non-reactive Resistor	— [R] —
Impedance	— [Z] —
Inductor	—○○○○—
Winding	—○○○—
Capacitor	— (
Earth	— —

Name	Symbol
Line	—
planned	— - - - -
Underground Cable	— — —
Diode	↑ →
Transistor	—(K)—

Electrical Circuit

Full Id is 22-49172-3 and add Dimension 72 + 15 and 72 + 20



Electrical Circuit

Full Id is 22-49172-3 and add Dimension 72 + 10,72 + 60 and 72 + 120

