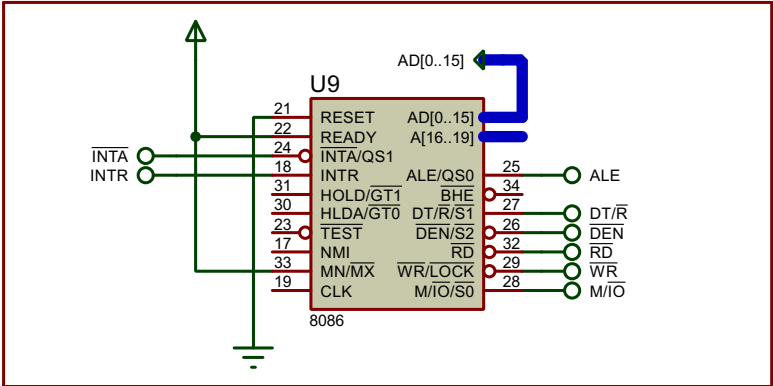
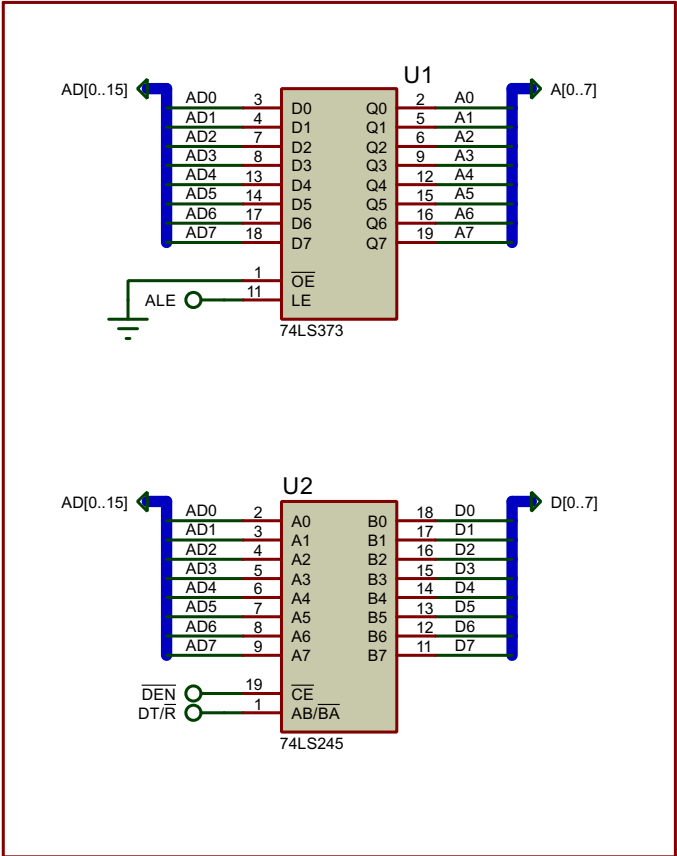


# MEMORY SYSTEM

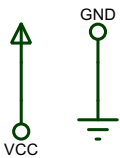
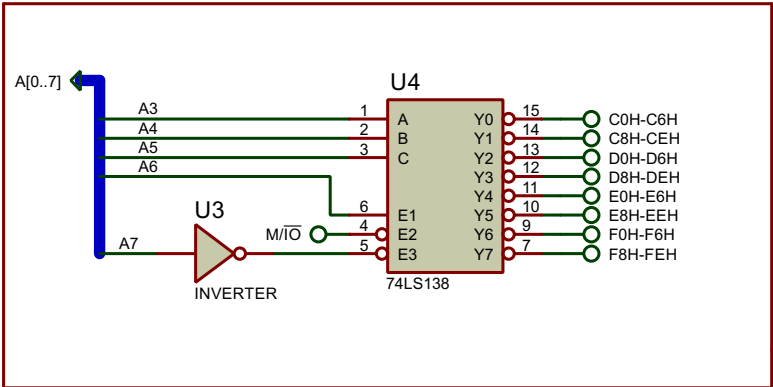
## 8086 uP



## Address Latch and Data Buffer



## Address Decoder



DESIGN TITLE: **Building Control System**

DATE:

REV: 1

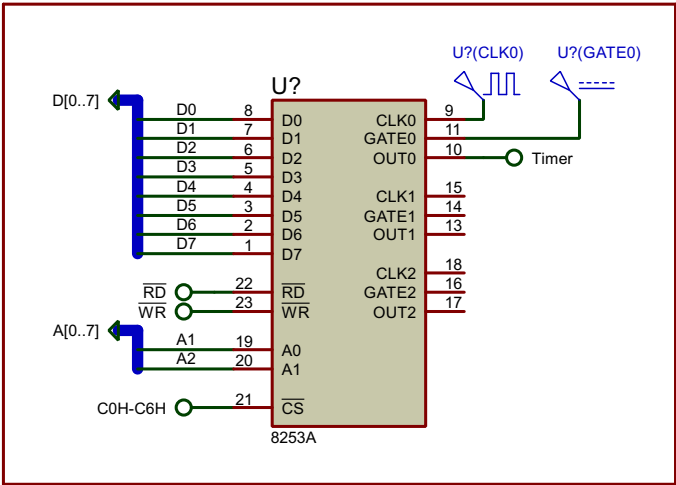
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Caños, Bea Belle Therese B.

Software  
Documentation  
Hardware

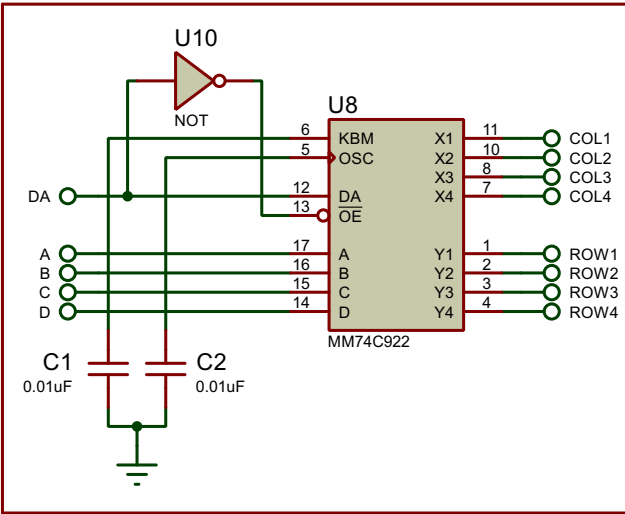
11/27/2024

# PERIPHERAL DEVICES

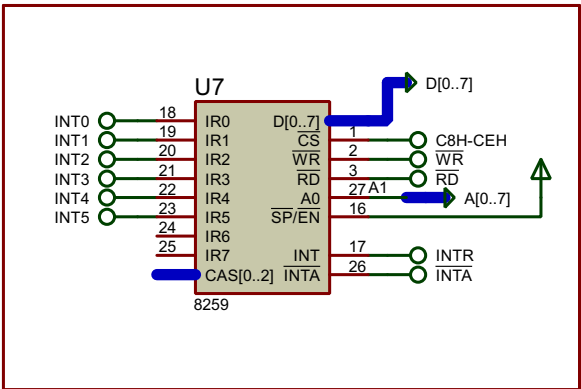
## 8253A Timer



## Keypad Encoder



## 8259 IC



DESIGN TITLE: **Building Control System**

DATE:

REV: 1

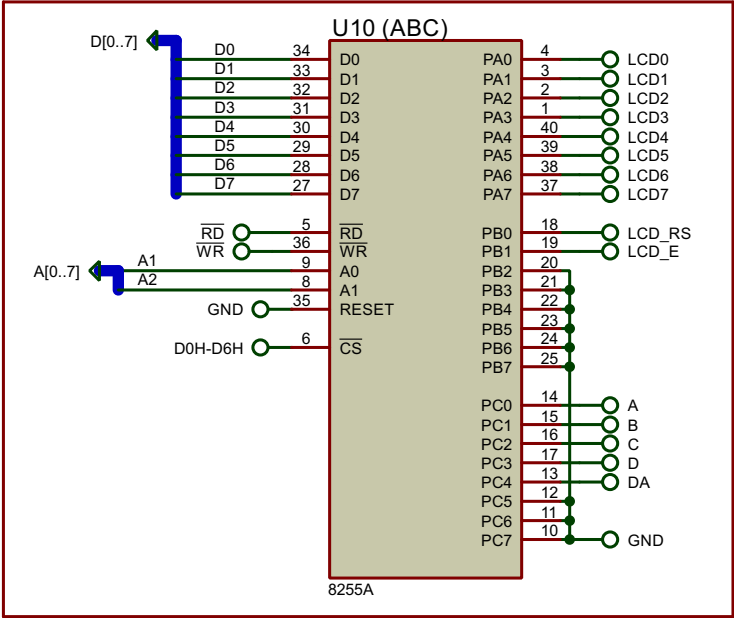
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Caños, Bea Belle Therese B.

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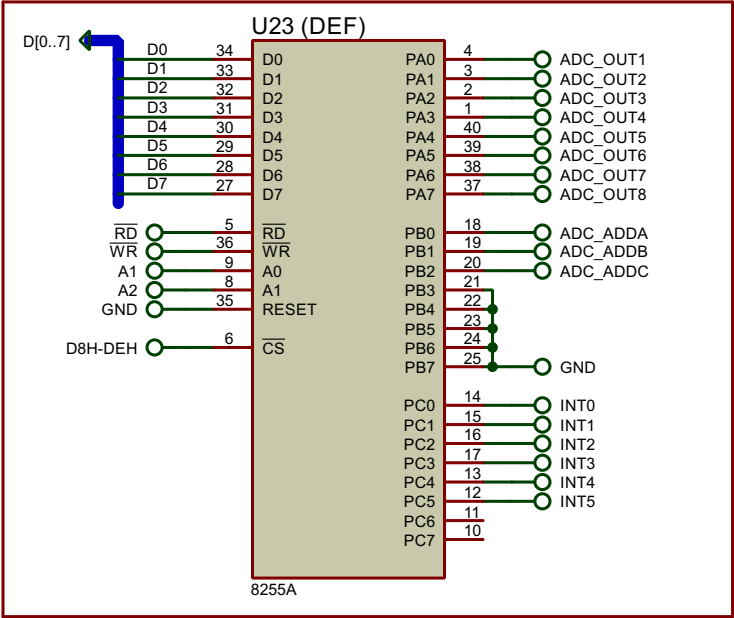
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# PERIPHERAL INTERFACES

## LCD & Keypad PPI



## ADC & Interrupt PPI



DESIGN TITLE: **Building Control System**

REV: 1

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**Alotaya, Isaac Jadon R.**  
**Caños, Bea Belle Therese B.**

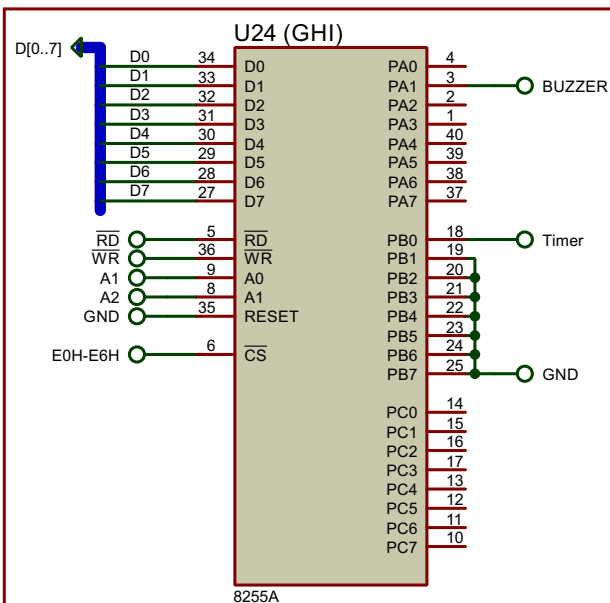
*Software*  
*Documentation*  
*Hardware*

DATE:

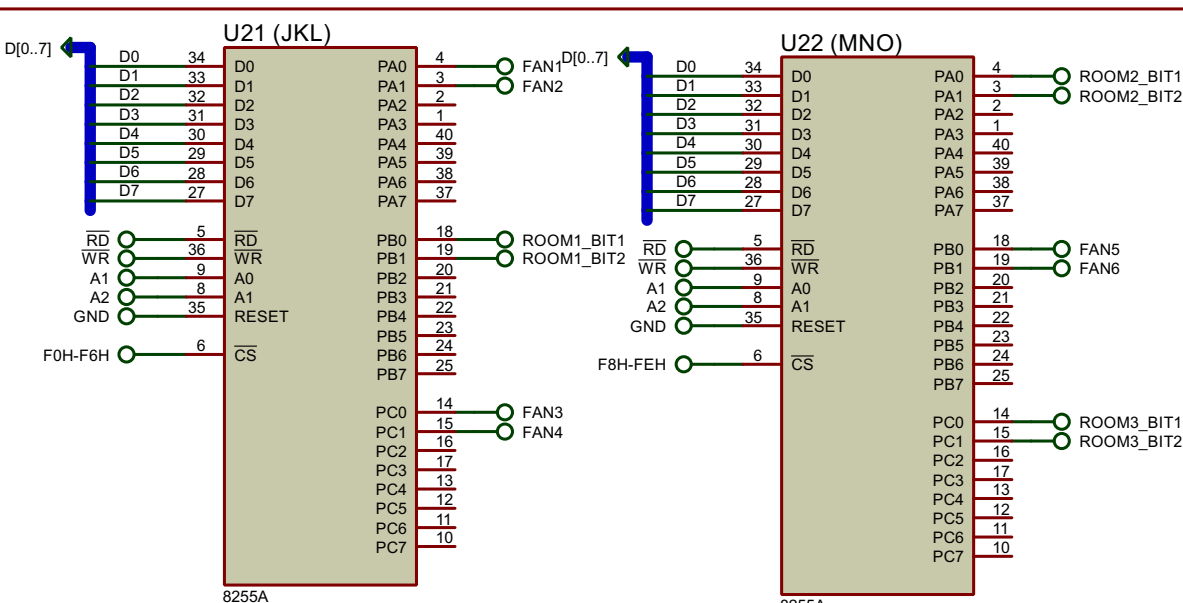
**11/27/2024**

# PERIPHERAL INTERFACES

## Timer & Buzzer PPI



## Fans & Speed PPI



DESIGN TITLE: **Building Control System**

REV: 1

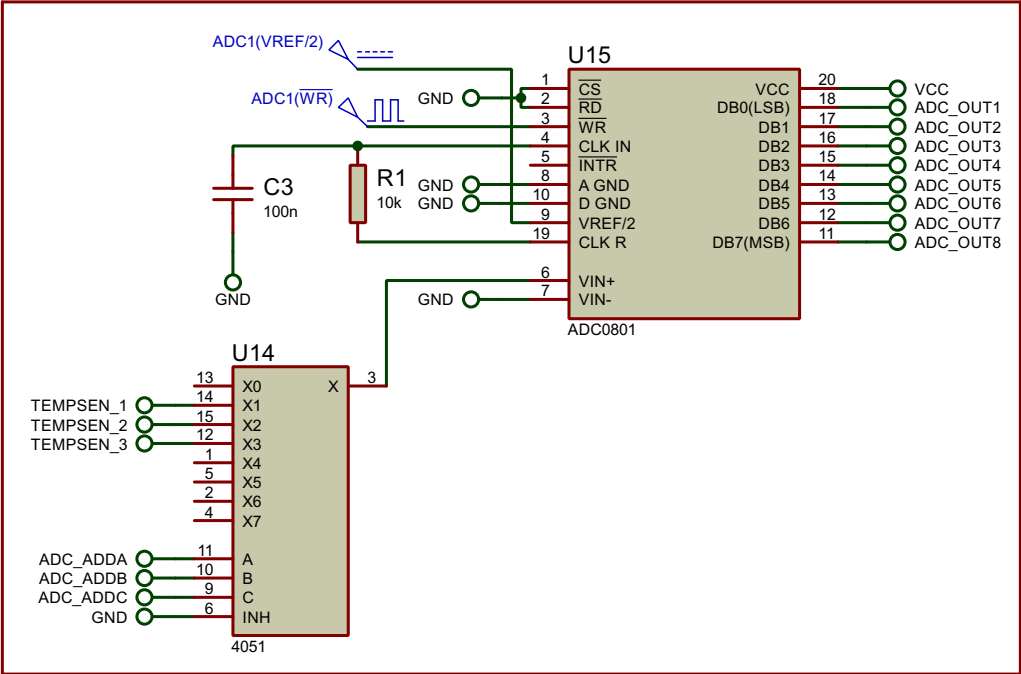
BY: Aguilar, Sean Karl Tyrese G.  
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Caños, Bea Belle Therese B.

Software  
Documentation  
Hardware

DATE:

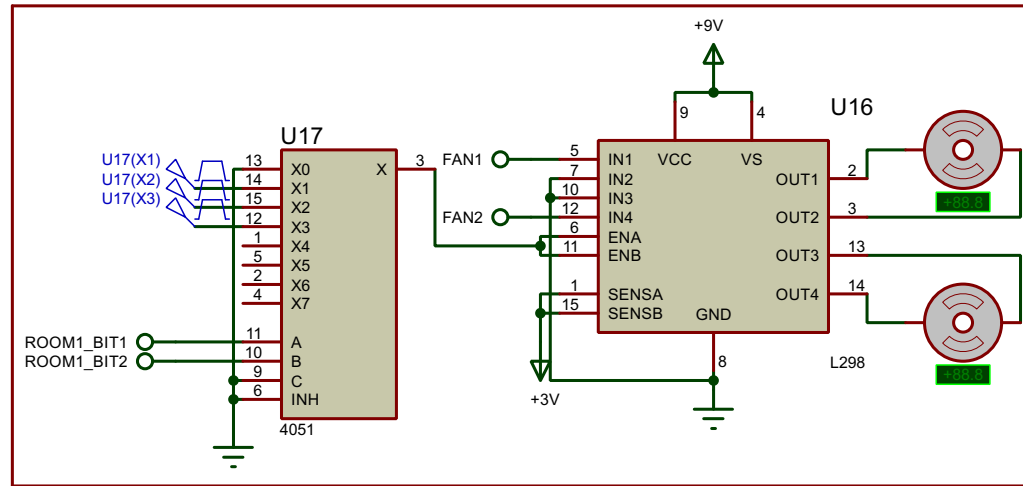
**11/27/2024**

# ANALOG TO DIGITAL CONVERTER

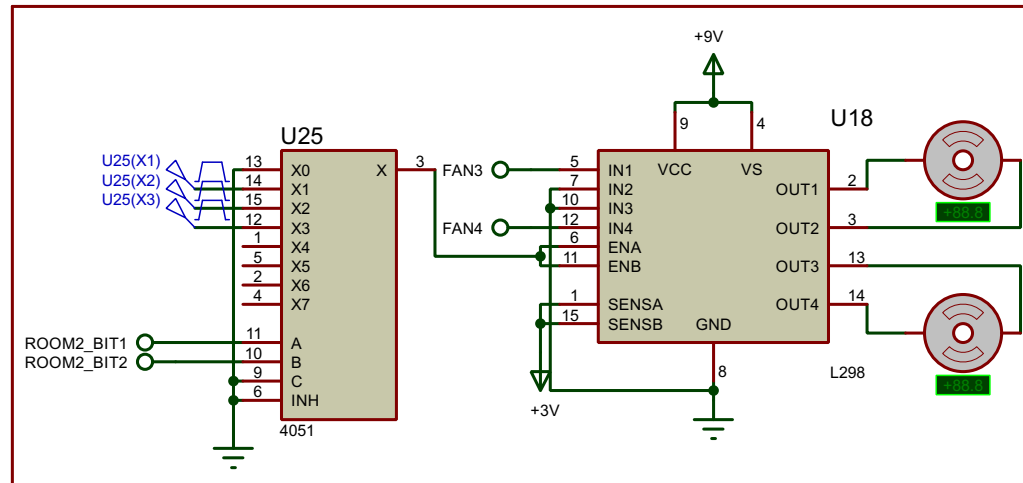


DESIGN TITLE: <b>Building Control System</b>	DATE:
REV: 1	
BY: Aguilar, Sean Karl Tyrese G. Alotaya, Isaac Jadon R. Caños, Bea Belle Therese B.	11/27/2024
Software Documentation Hardware	

## AIRCON FOR ROOM 1



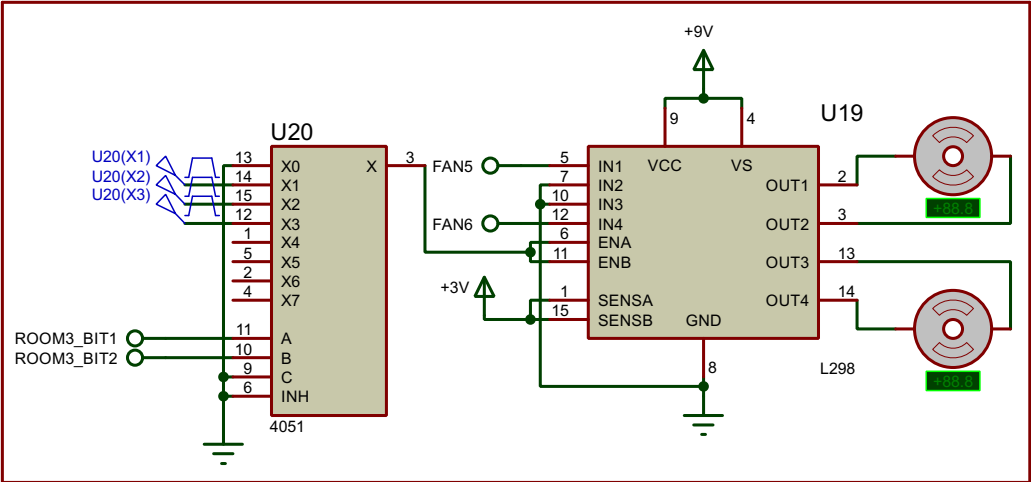
## AIRCON FOR ROOM 2



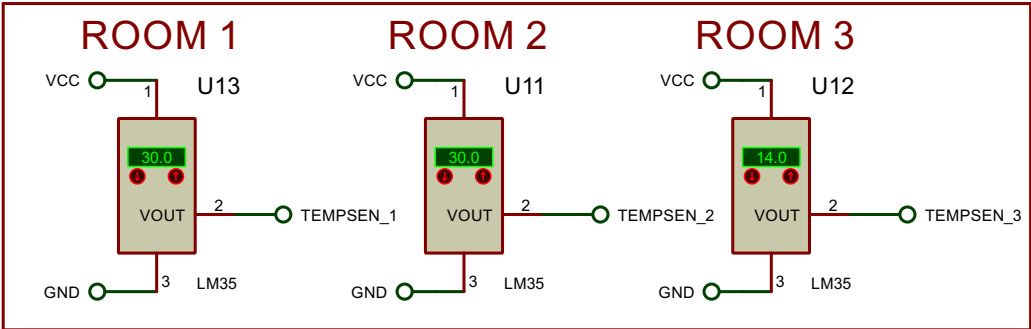
# USER INTERFACE

DESIGN TITLE: <b>Building Control System</b>	DATE:
REV: 1	
BY: Aguilar, Sean Karl Tyrese G. Alotaya, Isaac Jadon R. Caños, Bea Belle Therese B.	Software Documentation Hardware
	<b>11/27/2024</b>

# AIRCON FOR ROOM 3



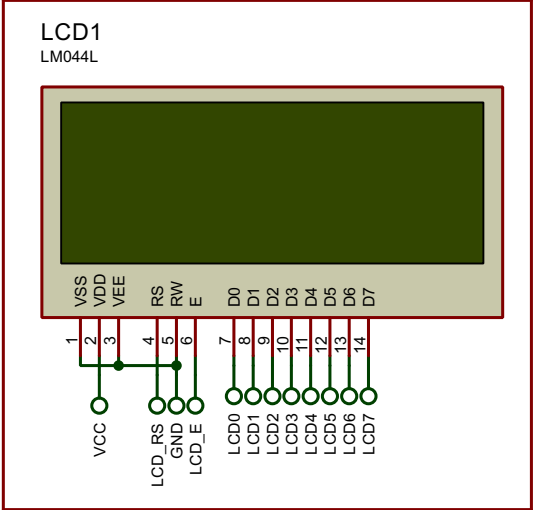
# TEMPERATURE SENSOR



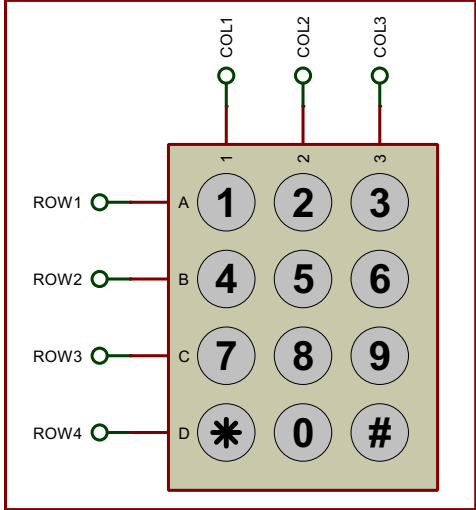
# USER INTERFACE

DESIGN TITLE: <b>Building Control System</b>	DATE: <b>11/27/2024</b>
REV: 1	
BY: <b>Aguilar, Sean Karl Tyrese G.</b> <b>Alotaya, Isaac Jadon R.</b> <b>Caños, Bea Belle Therese B.</b>	<b>Software Documentation Hardware</b>

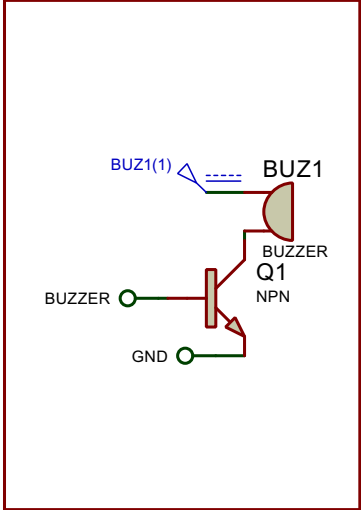
DISPLAY



KEYPAD



BUZZER



USER INTERFACE

DESIGN TITLE: **Building Control System**

REV: 1

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Alotaya, Isaac Jadon R.  
Caños, Bea Belle Therese B.

Software  
Documentation  
Hardware

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**11/27/2024**