

# OCCUPATIONAL THERAPY CLASSROOM KITCHEN

## IDE 425 - MILLWORK & DESIGN DETAILING

OCTOBER 31, 2024

### TABLE OF CONTENTS



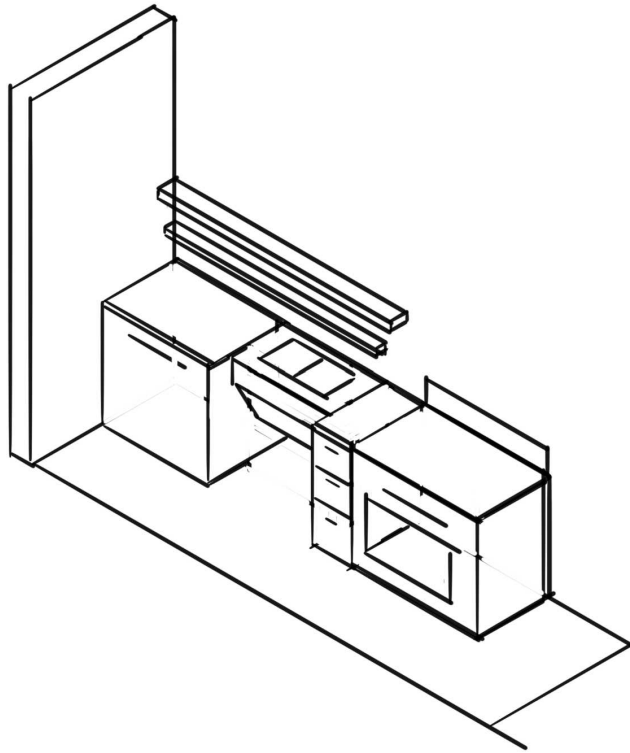
A01: CONCEPT STATEMENT
A02: ADA AND UNIVERSAL DESIGN GUIDELINES
A03: 3D KITCHEN VIEW
A04: MATERIAL BOARD
A05: KITCHEN SCHEDULE
A06: KITCHEN PLAN VIEW
A07: KITCHEN LIGHTING AND POWER PLAN
A08: KITCHEN ELEVATIONS
A09: KITCHEN SECTION CUT
A10: KITCHEN DETAILS
A11: RENDERED KITCHEN PLAN AND ELEVATIONS
A12: REFERENCES

# CONCEPT STATEMENT

This project for the Occupational Therapy classroom reflects a thoughtfully designed kitchen that incorporates various ADA and Universal Design strategies to ensure accessibility for users with a range of abilities. The design of the kitchen will be modern and sleek to bring a fresh new look to the classroom space. The kitchen will offer more storage space as well as new amenities for a better-functioning workspace, with the inclusion of upper cabinetry and the addition of a dishwasher. Considerations such as providing large hardware installed in a horizontal fashion will allow users to have more flexibility when working in the space, as well as a roll-up sink to accommodate wheelchair users. The kitchen design will not only prioritize functionality and aesthetics but it will also foster an inclusive environment for all users to enhance the overall educational experience in the Occupational Therapy classroom.



- EASIER DOOR PULLS
- OPEN SHELVES FOR BETTER ACCESS
- UNDER CABINET MICROWAVE
- LOTS OF PREP SPACE



# ADA AND UNIVERSAL DESIGN GUIDELINES

## ADA GUIDELINES

With our design, we took many considerations into creating a space that can be used for every person. When it comes to ADA standards, we included a roll up sink that is 36” wide to insure enough space for a wheelchair. We also incorporated more space between the counter appliances to ensure that there was plenty of space for preparation. The countertops are also 34” maximum in height including countertops for proper ADA requirements. Along with that the upper cabinets are 48” above the finished floor to ensure proper ADA code as well. For our door pulls, instead of having them vertical, they are placed horizontally for people to have more room to comfortably grab the bar and pull it forward.

## UNIVERSAL DESIGN ASPECTS

When it comes to universal design, we included a few different features to ensure ease of use as well as tolerance for error. To ensure ease of use, we incorporated labels for each of the cabinets that describe what is in each cabinet section and drawers. Along with that, we also will reuse the current stove that is in the space already. The stove is an electric stove which is safer and is easier to use. We also ensured that all outlets within the kitchen, and within 6’ of the kitchen, are GFCI outlets.

3D KITCHEN VIEW

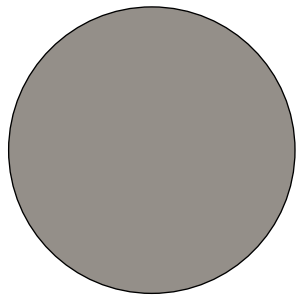
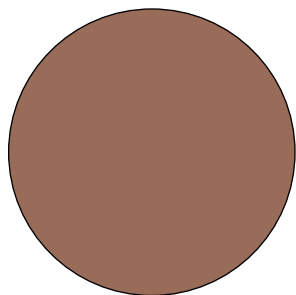
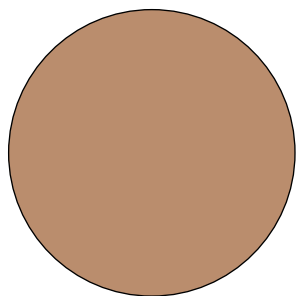
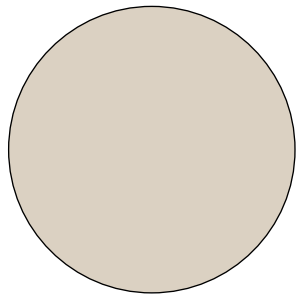
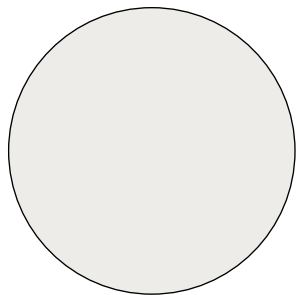


NOTE: IMAGE NOT TO SCALE

Bella Rachel, Raneem Alani, & Leah POPYK OT Classroom Kitchen IDE 425 - Millwork & Design Detailing		IDE 425 - PROJECT TWO	3D KITCHEN VIEW	A	03
				OCTOBER 31, 2024	



MATERIAL BOARD



CT1



CW1



CP1










































SV1

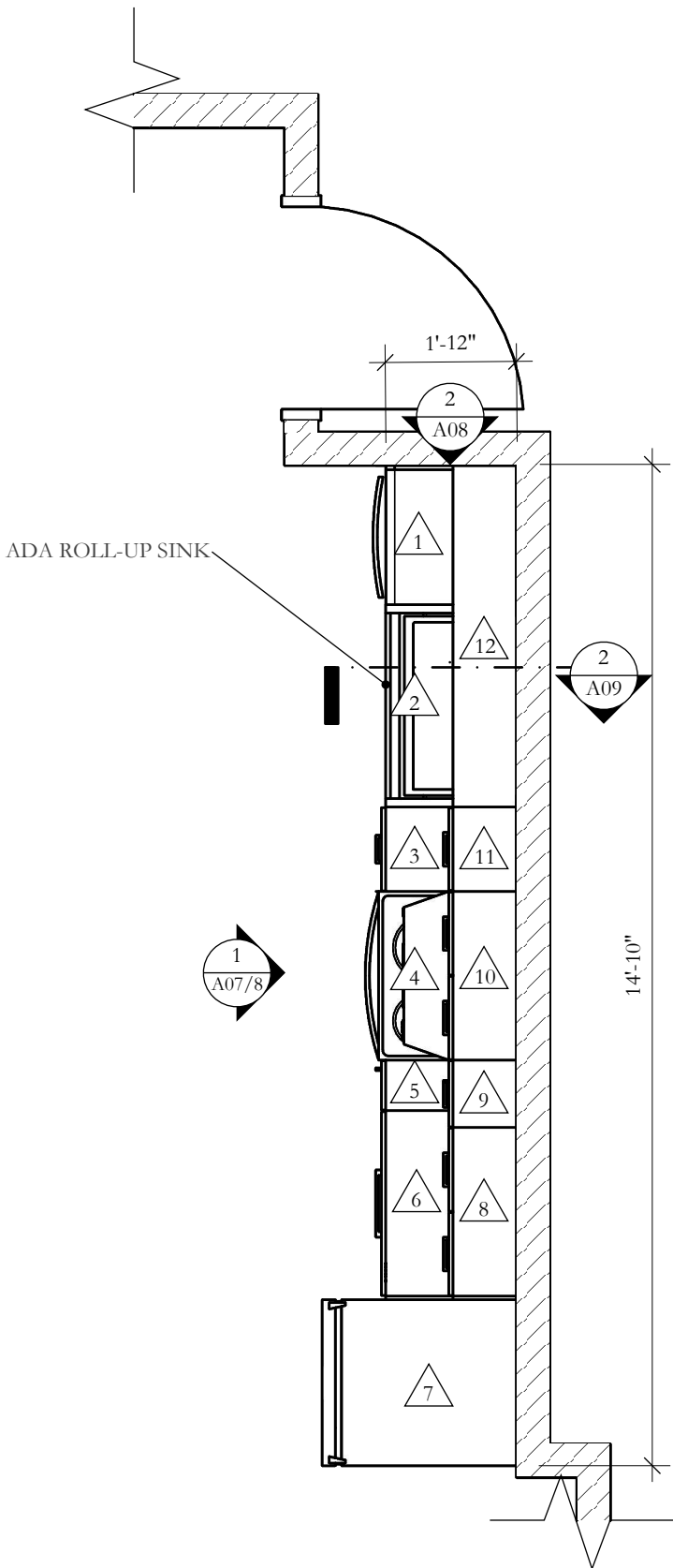
NOTE: SEE PAGE A05 FOR MATERIAL SCHEDULE

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IDE 425 - PROJECT TWO		MATERIAL BOARD	
A	04		

# KITCHEN SCHEDULE

CODE	TYPE	MANUFACTURER	IMAGE	FINISH	FINISH IMAGE
3DB15	3-DRAWER BASE CABINET	PIONEER CABINETRY		MAPLE WOOD, PEBBLE	
SB36	ROLL-UP SINK BASE	PIONEER CABINETRY		MAPLE WOOD, PEBBLE	
B09R	BASE CABINET, HINGE RIGHT	PIONEER CABINETRY		MAPLE WOOD, PEBBLE	
BWF-BMC33	MICROWAVE BASE CABINET W/ DRAWER	PIONEER CABINETRY		MAPLE WOOD, PEBBLE	
W3030BD	WALL CABINET W/BUTT DOOR	PIONEER CABINETRY		MAPLE WOOD, PEBBLE	
W1230R	WALL CABINET, HINGE RIGHT	PIONEER CABINETRY		MAPLE WOOD, PEBBLE	
W3014BD	WALL CABINET	PIONEER CABINETRY		MAPLE WOOD, PEBBLE	
W1530L	WALL CABINET, HINGE LEFT	PIONEER CABINETRY		MAPLE WOOD, PEBBLE	
SHLV1	FLOATING SHELVES	PIONEER CABINETRY		MAPLE WOOD COATED IN SAPELE VENEER	
CP1	CABINET PULL	ASHLEY NORTON		SATIN NICKEL	
SNK1	SINK	BLANCO		STAINLESS STEEL	
FAUCET	FAUCET	NEWPORT BRASS		STAINLESS STEEL	
DW1	DISHWASHER	GE PROFILE		STAINLESS STEEL	
VH1	VENT HOOD	THERMADOR		STAINLESS STEEL	
STV	ELECTRIC STOVE	CLIENT PROVIDED		STAINLESS STEEL	
MIC	MICROWAVE	CLIENT PROVIDED		STAINLESS STEEL	
REF	REFRIDGERATOR	CLIENT PROVIDED		STAINLESS STEEL	
CT1	PORCELAIN COUNTERTOP	CAESARSTONE		HONED FINISH PORCELAIN	
VN	VENEER	DIVERSIFIED WOOD PRODUCTS		SAPELE VENEER	
LGHT	STRIP LIGHT	ULTRA BRIGHT		N/A	N/A

KITCHEN PLAN VIEW

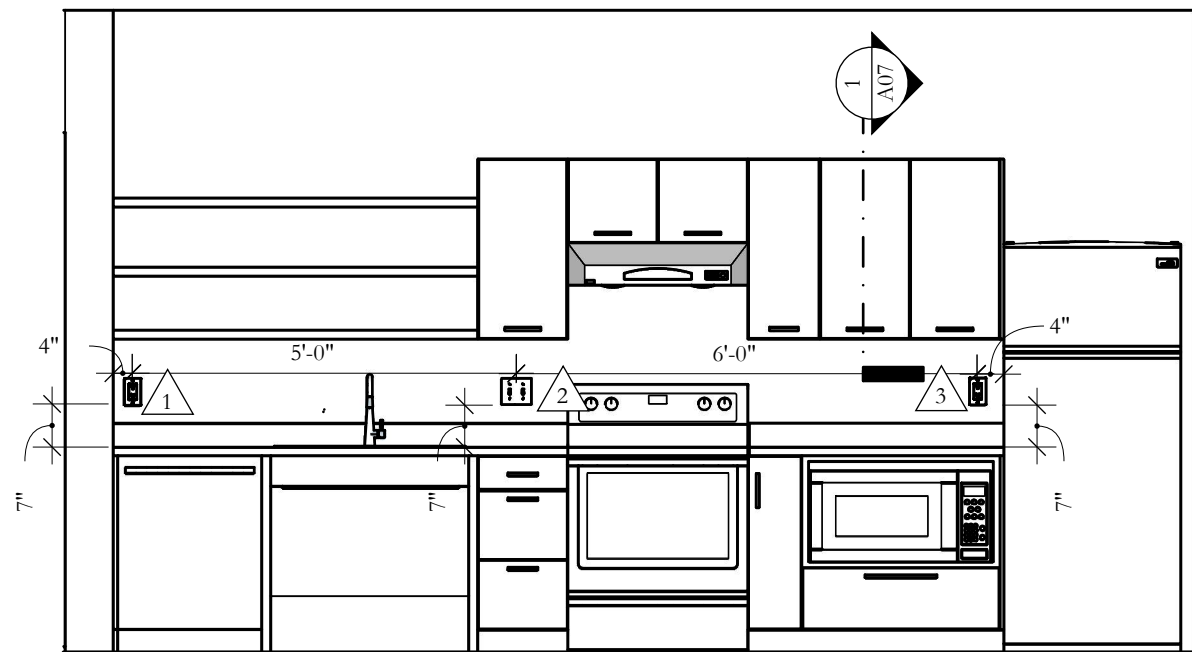


1 KITCHEN PLAN VIEW  
A06 3/8" = 1'-0" N

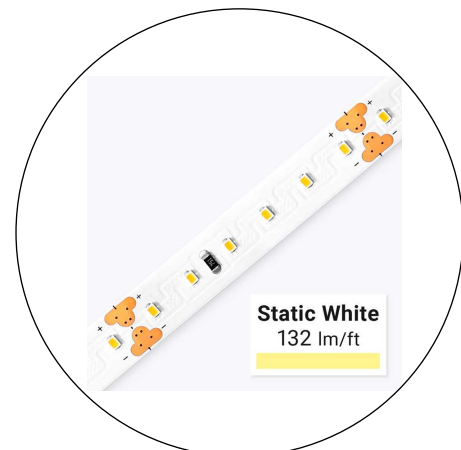
NOTES:

- 1 DW: DISHWASHER
- 2 SB36: ROLL-UP SINK BASE
- 3 3DB15: 3-DRAWER BASE CABINET
- 4 STV: ELECTRIC STOVE
- 5 B09R: BASE CABINET, HINGE RIGHT
- 6 BWF-BMC33: MICROWAVE CABINET BASE WITH DRAWER
- 7 REF: REFRIDGERATOR
- 8 W3030BD: WALL CABINET
- 9 W1230R: WALL CABINET, HINGE RIGHT
- 10 W3014BD: WALL CABINET
- 11 W1530L: WALL CABINET, HINGE LEFT
- 12 SHLV1: FLOATING SHELF

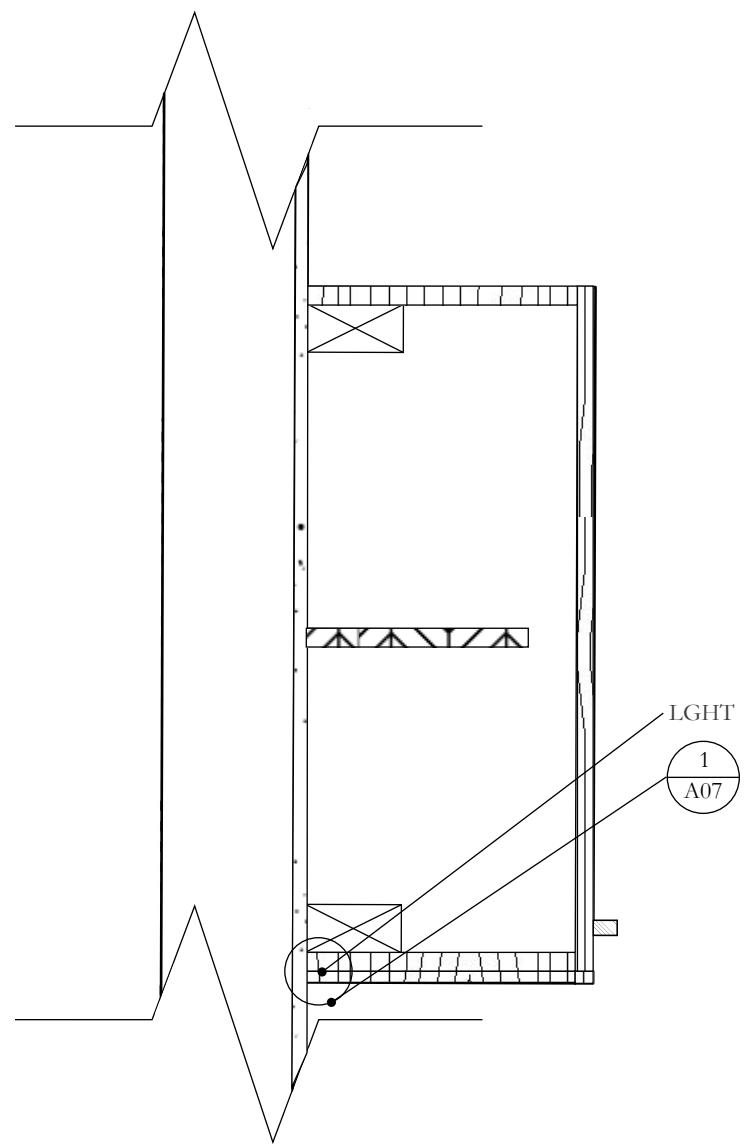
KITCHEN LIGHTING AND POWER PLAN



1 KITCHEN FRONT ELEVATION  
A03 3/8" = 1'-0" N



1 LIGHTING DETAIL  
A07 NOT TO SCALE



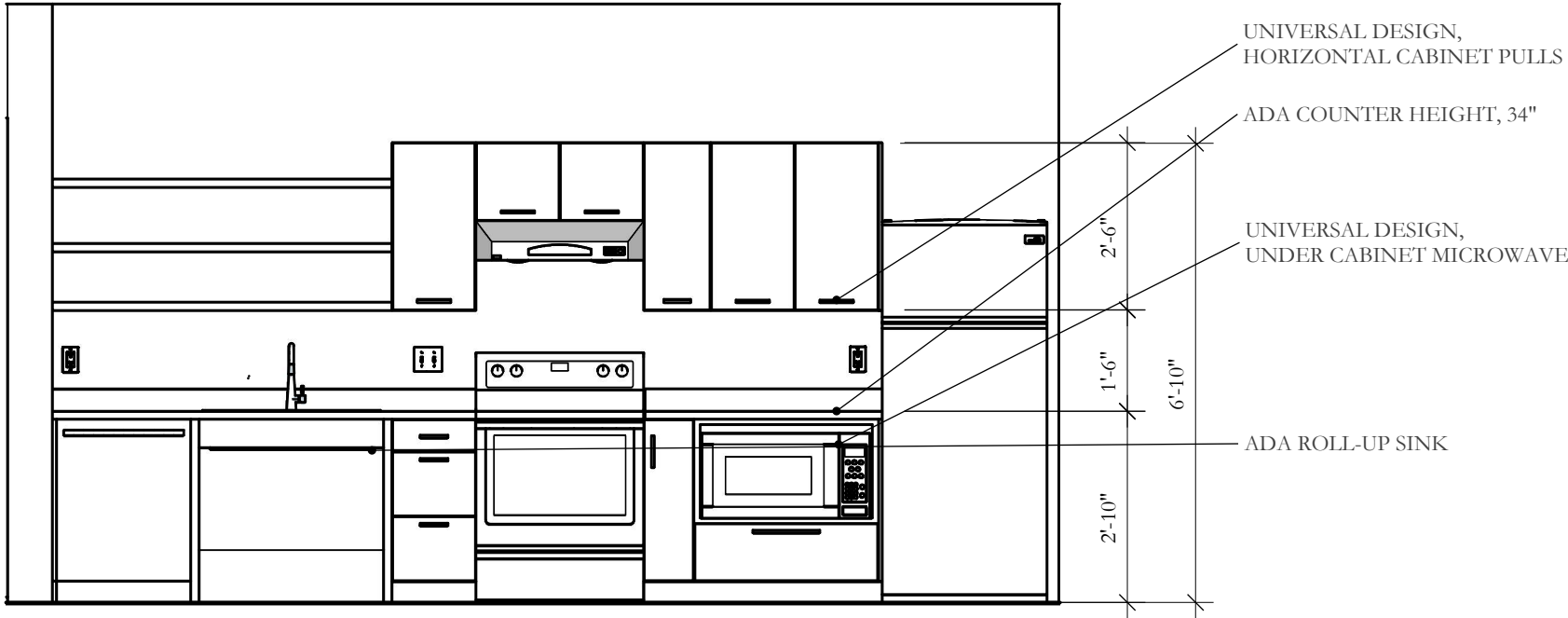
1 KITCHEN UPPER CABINET SECTION CUT  
A07 1 1/2" = 1'-0"

NOTES:

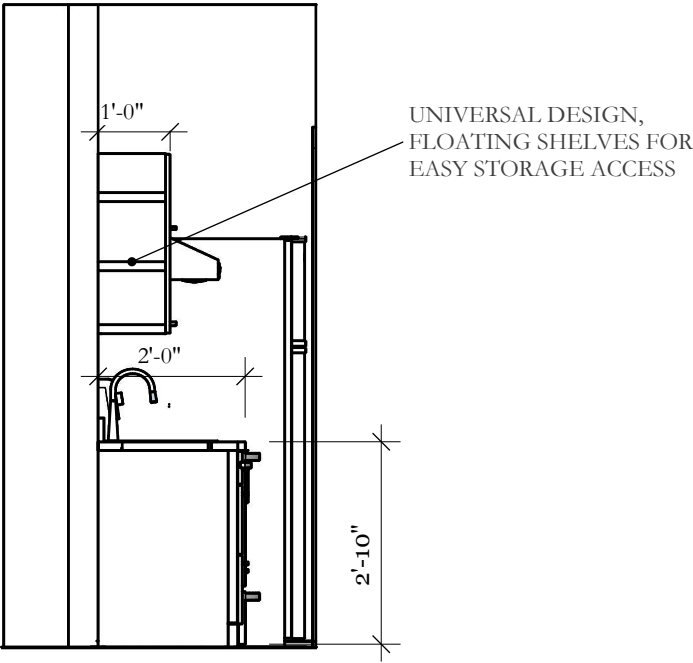
- 1 GFCI DUPLEX OUTLET
- 2 LIGHT AND GARBAGE DISPOSAL SWITCHES
- 3 DUPLEX OUTLET



KITCHEN ELEVATIONS

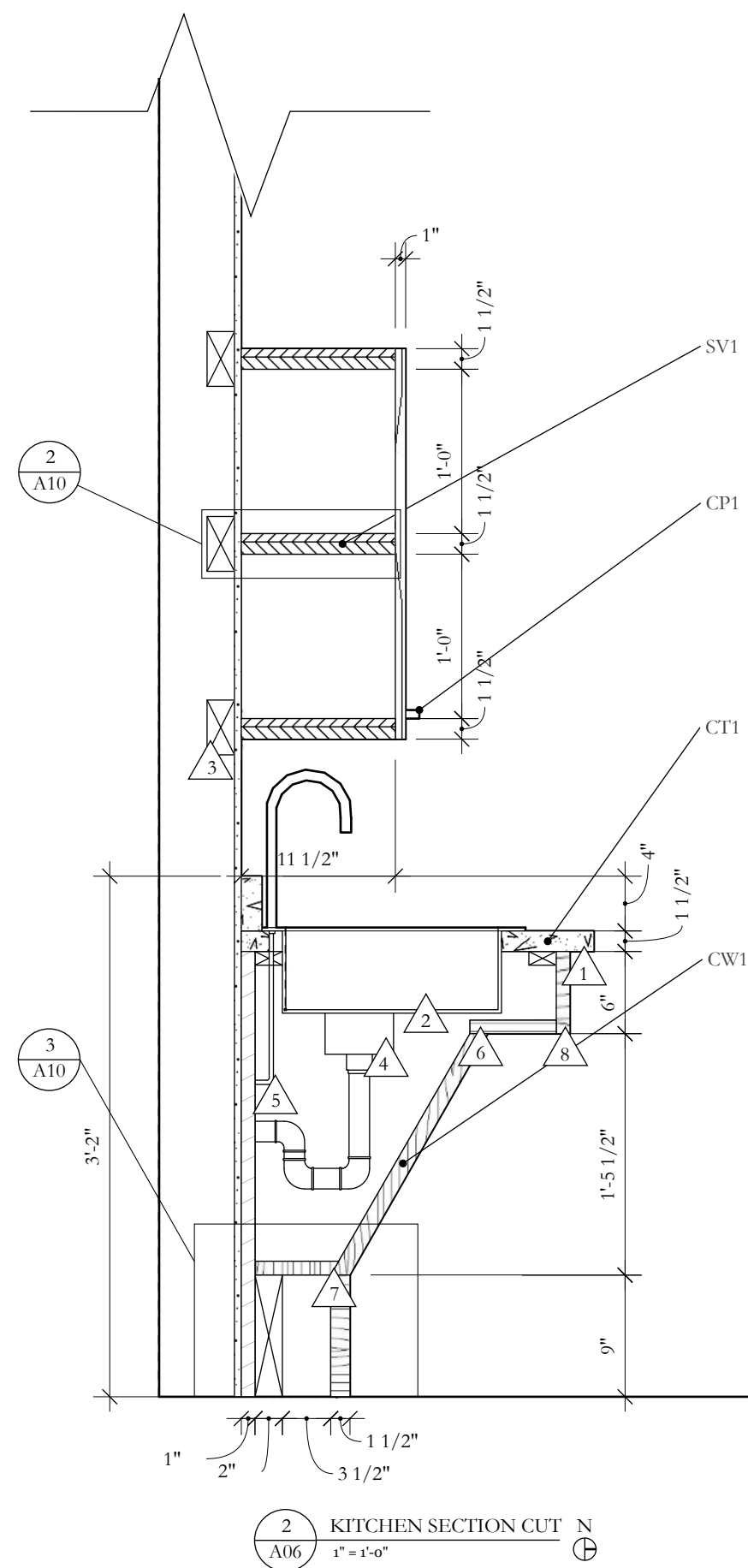


1 KITCHEN FRONT ELEVATION N  
A03 3/8" = 1'-0"



2 KITCHEN SIDE ELEVATION N  
A03 3/8" = 1'-0"

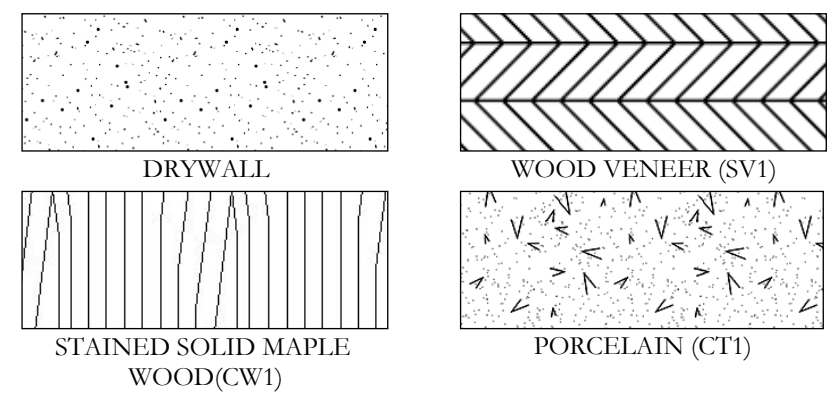
# KITCHEN SECTION CUT



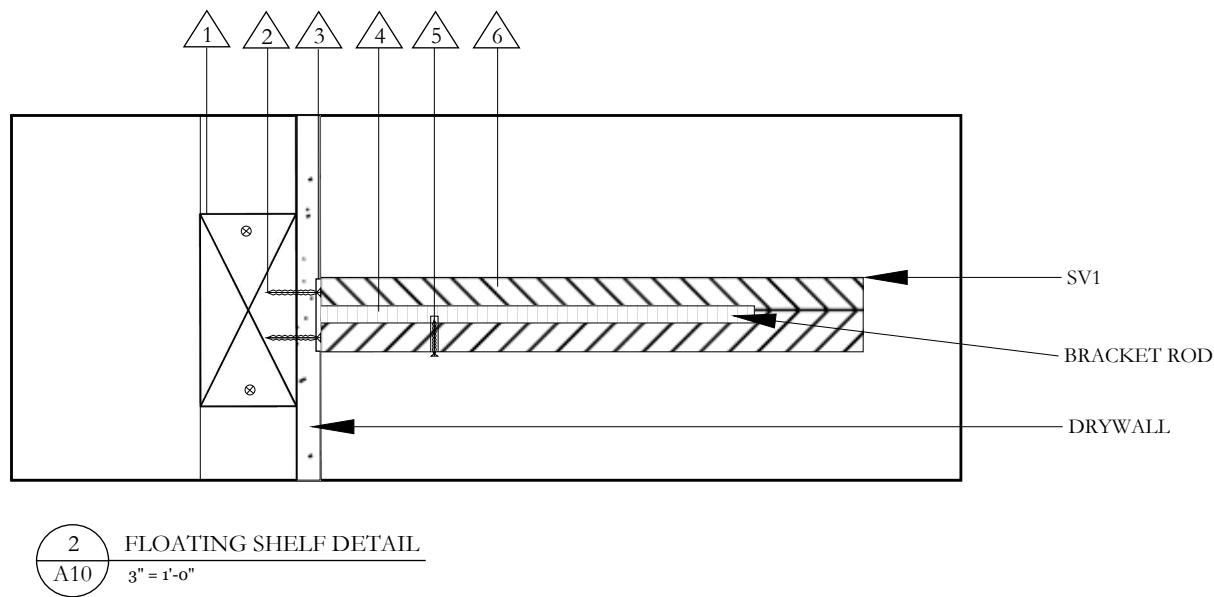
## NOTES:

- 1 COUNTERTOP IS ADHERED TO CABINETS USING AN EPOXY RESIN
- 2 DROP IN KITCHEN SINK
- 3 BLOCKING IS USED BEHIND DRYWALL TO HELP SECURE FLOATING SHELVES (SEE DETAIL 2 ON A10)
- 4 INSINKERATOR GARBAGE DISPOSAL
- 5 HOT AND COLD WATER SUPPLY
- 6 WOOD IS JOINED TOGETHER BY CREATING A BUTT JOINT AND REINFORCING IT WITH WOOD GLUE AND SCREWS
- 7 WOOD IS JOINED BY USING A MITER JOINT AND WOOD GLUE AND SCREWS TO SECURE PIECES IN PLACE
- 8 WOOD IS JOINED USING WOOD SCREWS

## HATCH LEGEND

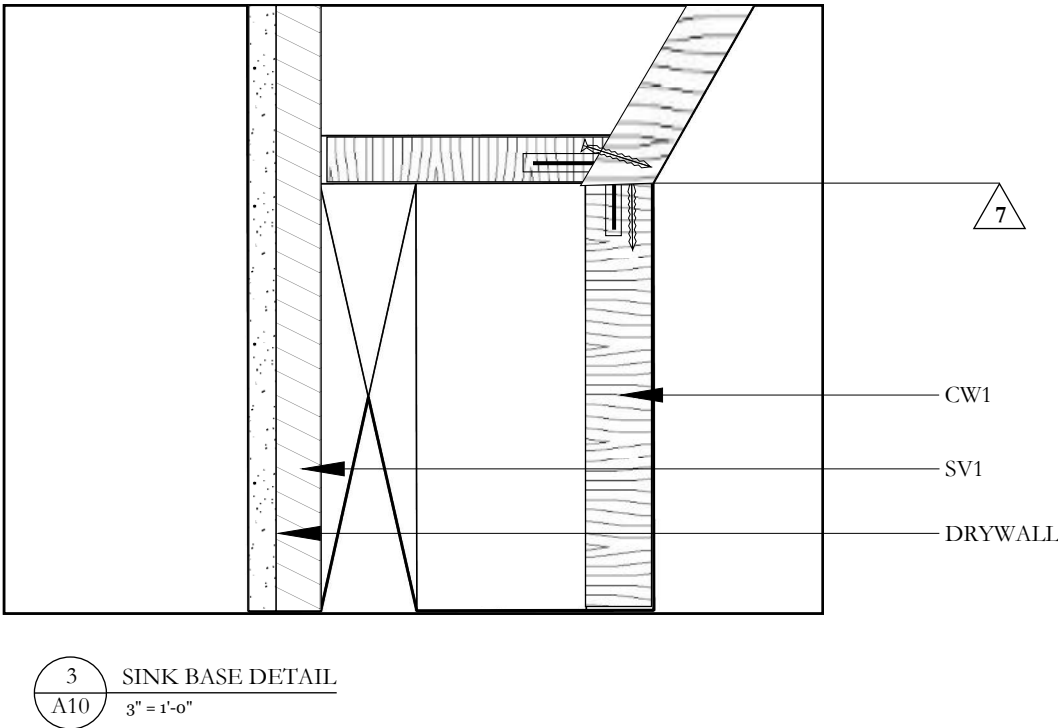


# KITCHEN DETAILS

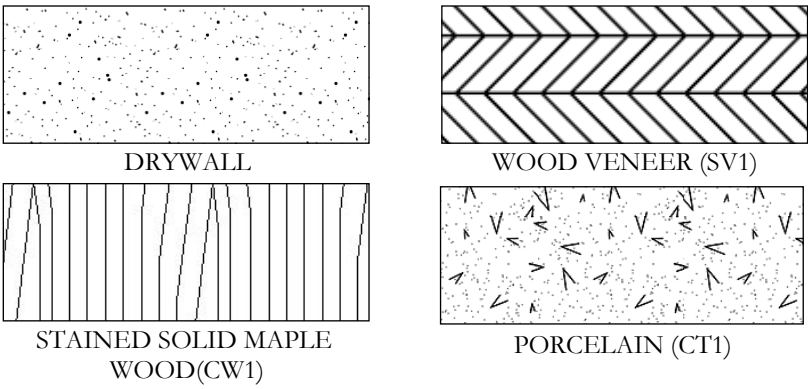


**NOTES:**

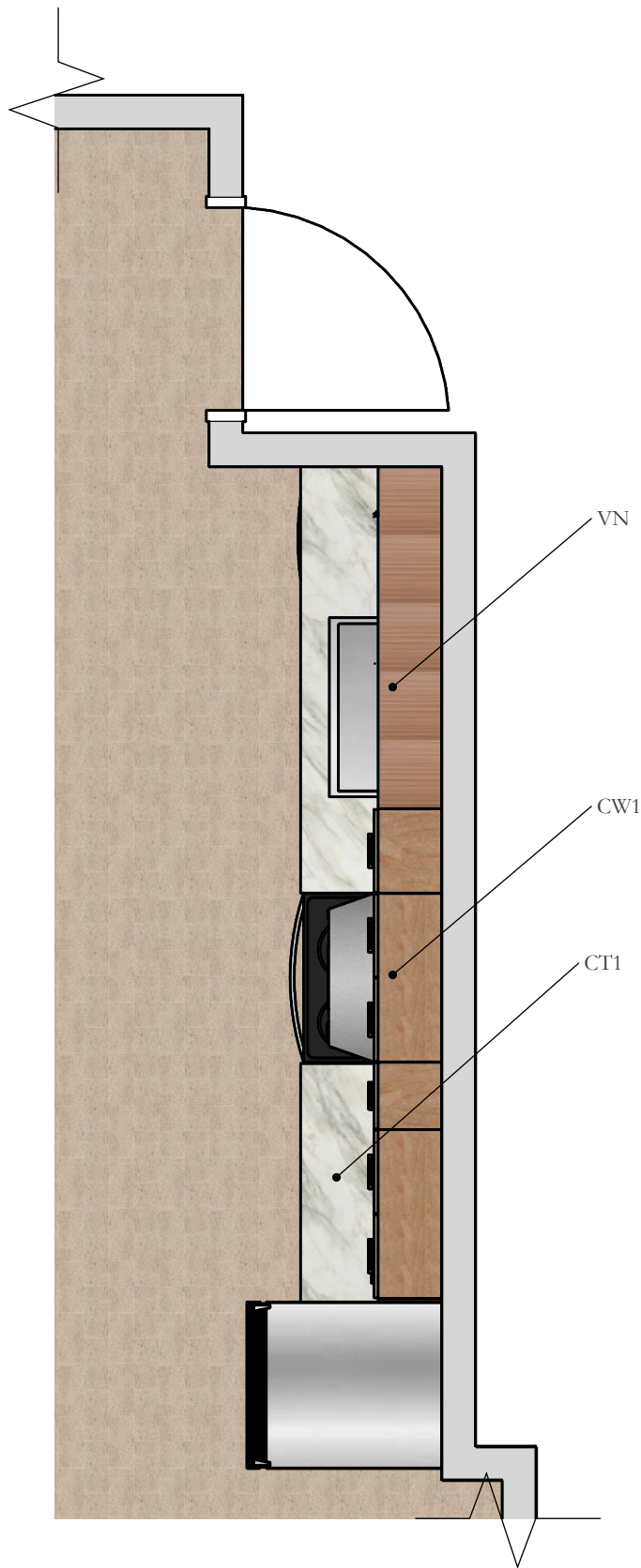
- 1 2x4 LUMBER BLOCKING BETWEEN STUDS
- 2 3" WOOD SCREWS TO ANCHOR BRACKET INTO BLOCKING
- 3 ROD BASED BRACKET FOR EASY SLIDE IN SHELF
- 4 ROD TO INSERT INTO HALLOW PART OF SHELF
- 5 1" WOOD SCREW TO SECURE SHELF AND BRACKET
- 6 FLOATING VENEERED SHELF
- 7 WOOD IS JOINED BY USING A MITER JOINT AND WOOD GLUE AND 1" POCKET WOOD SCREWS TO SECURE PIECES



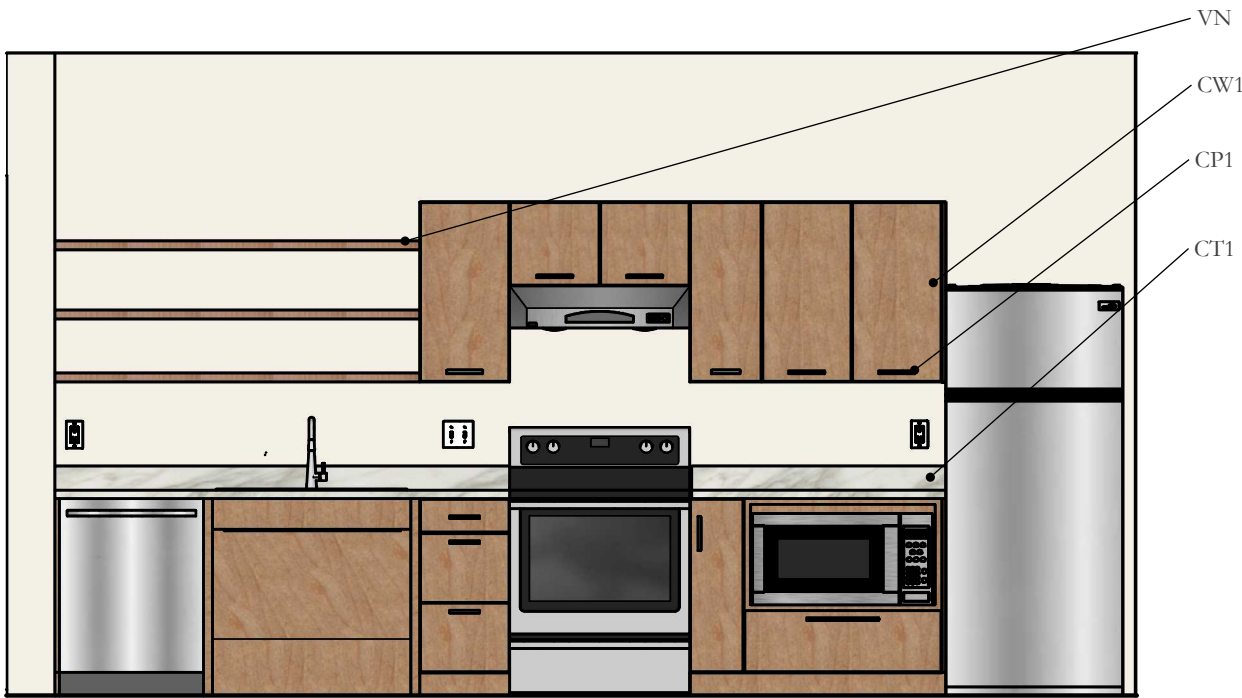
**HATCH LEGEND**



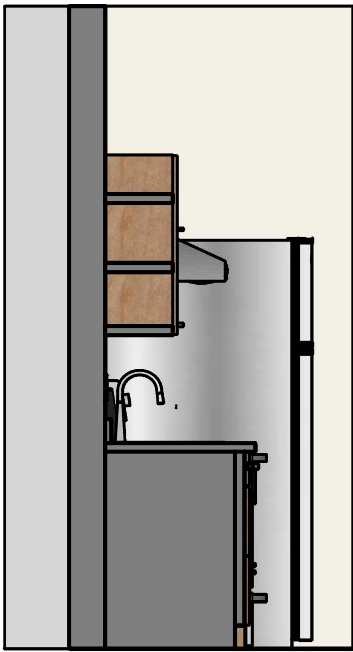
RENDERED KITCHEN PLAN AND ELEVATIONS



RENDERED KITCHEN PLAN VIEW  
3/8" = 1'-0" N



1  
A03 RENDERED KITCHEN FRONT ELEVATION N  
3/8" = 1'-0"



2  
A03 RENDERED KITCHEN SIDE ELEVATION N  
3/8" = 1'-0"

MATERIAL KEY



NOTE: SEE PAGE A05 FOR MATERIAL SCHEDULE



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