

Rosalina's Pizza Bar, South Carolina, 29526



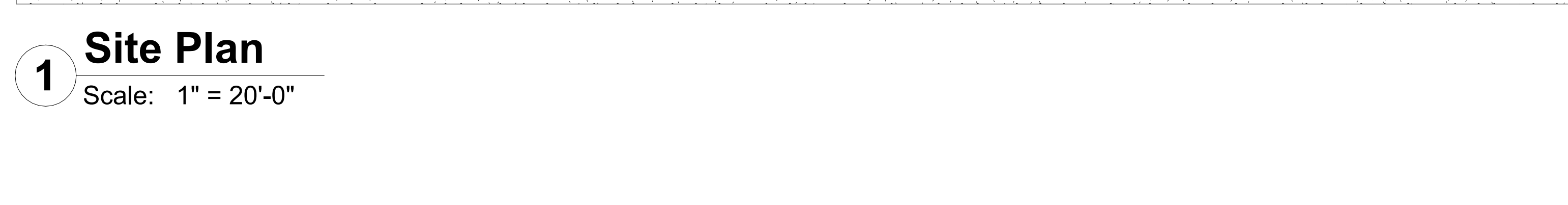
Scale:

- International Building Code (IBC), latest adopted edition
- International Existing Building Code (IEBC), latest adopted edition
- International Fire Code (IFC), latest adopted edition
- International Mechanical Code (IMC), latest adopted edition
- International Plumbing Code (IPC), latest adopted edition
- International Energy Conservation Code (IECC), latest adopted edition
- National Electrical Code (NFPA 70), latest adopted edition
- NFPA 96 – Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations
- NFPA 13 – Standard for the Installation of Sprinkler Systems (as applicable)
- NFPA 72 – National Fire Alarm and Signaling Code (as applicable)
- ADA Standards for Accessible Design
- South Carolina Accessibility Code
- South Carolina Department of Health and Environmental Control (DHEC) – Food Service Establishment Requirements
- Local amendments and ordinances as enforced by Horry County and the local Fire Marshal

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- All systems shall be tested and verified operational prior to final inspection.
- Space shall be delivered clean, operational, and ready for health department, fire, and final building inspections.

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SHEET TITLE:	
Cover Sheet	
SHEET NUMBER:	
G-001	



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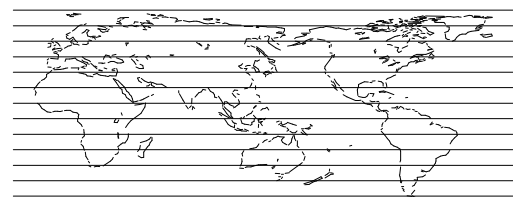
SITE PLAN



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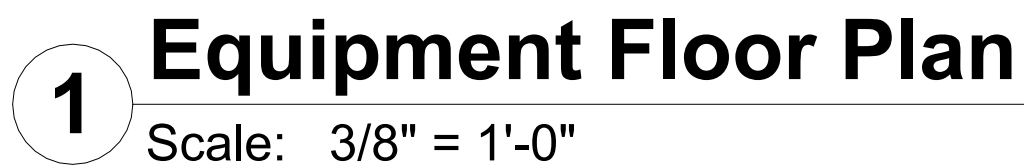
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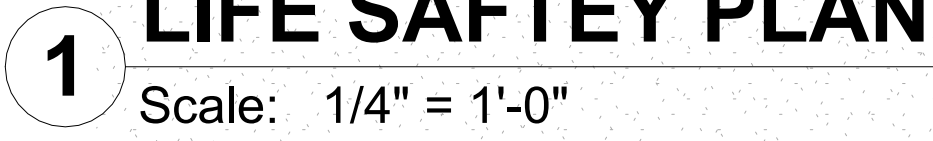
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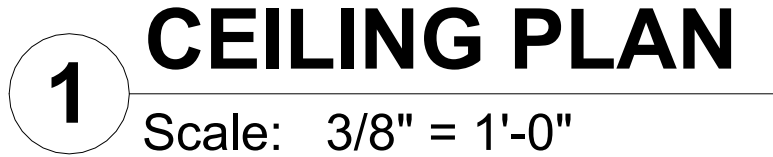
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SHEET TITLE:	
FLOOR PLAN	
SHEET NUMBER:	
A-101	





A-103



LIGHT FIXTURE LEGEND

PENDANT LIGHT

SURFACE MOUNT

PENDANT LIGHT

L4-	FARO BARCELONA	
(OPT. 1)	Product:	NARITA
	Color:	Rust Brown
	Location:	Outdoor Dining
(OPT. 2)		

PENDANT LIGHT

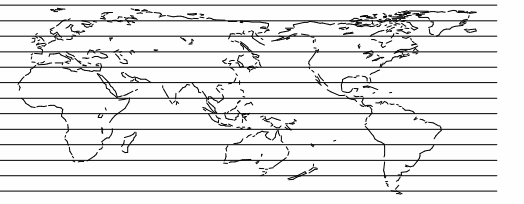
SURFACE MOUNT

L3-	KENALL	
(OPT. 1)	Product:	CSESL22 Simpleseal
	Color:	White
	Location:	Kitchen
(OPT. 2)		

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SHEET NUMBER:

A-104



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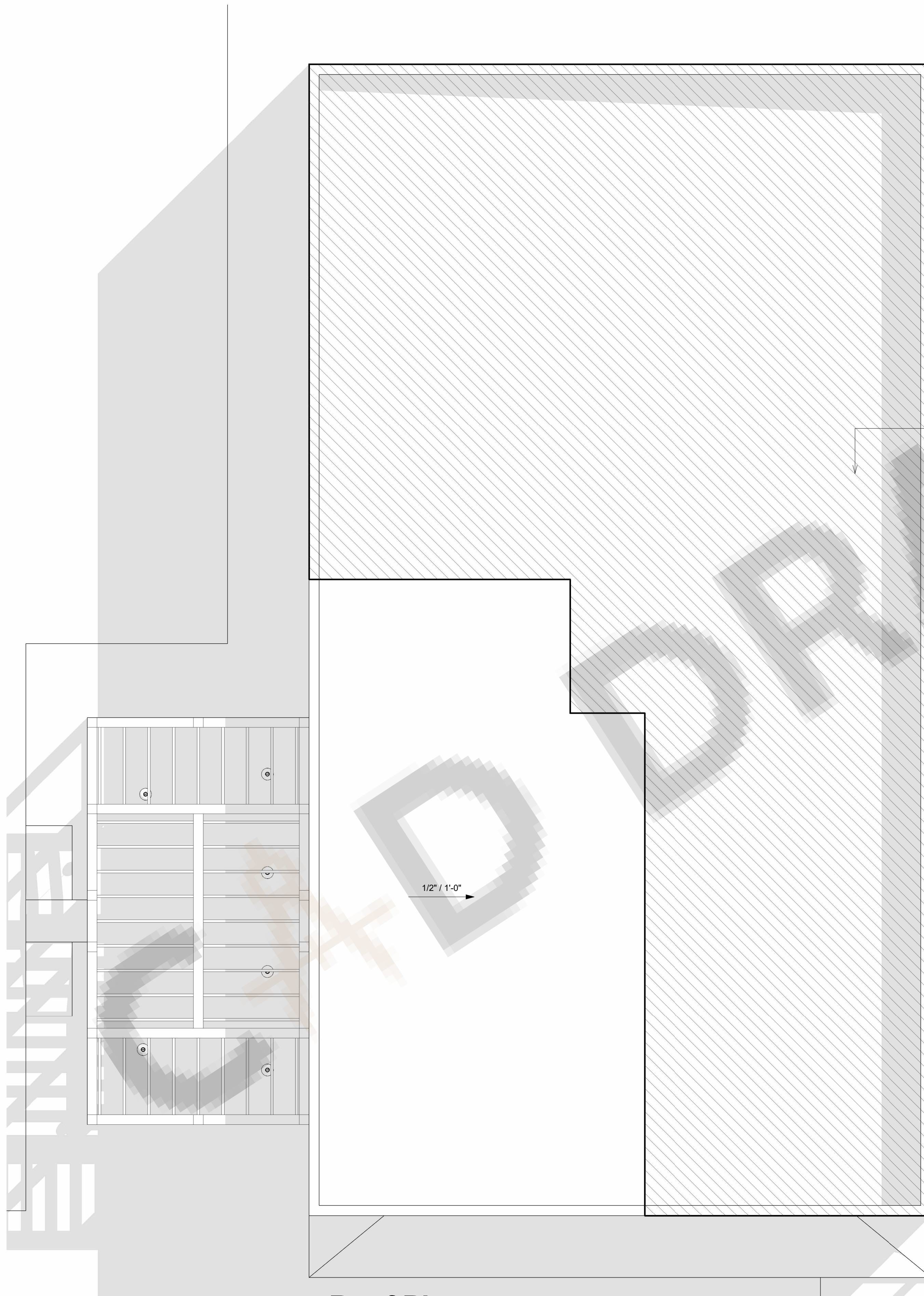
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SHEET TITLE:

ROOF PLAN

SHEET NUMBER:

A-105

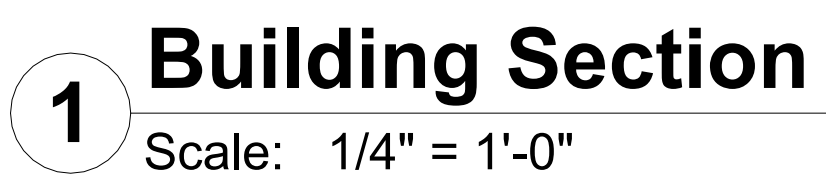
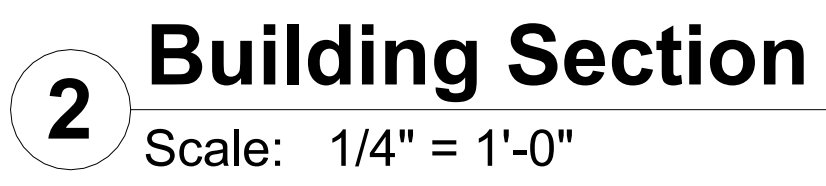


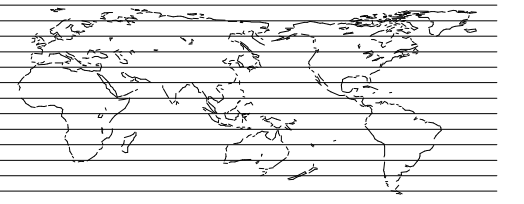
1/2" / 1'-0"

1

Roof Plan

Scale: $3/16" = 1'-0"$





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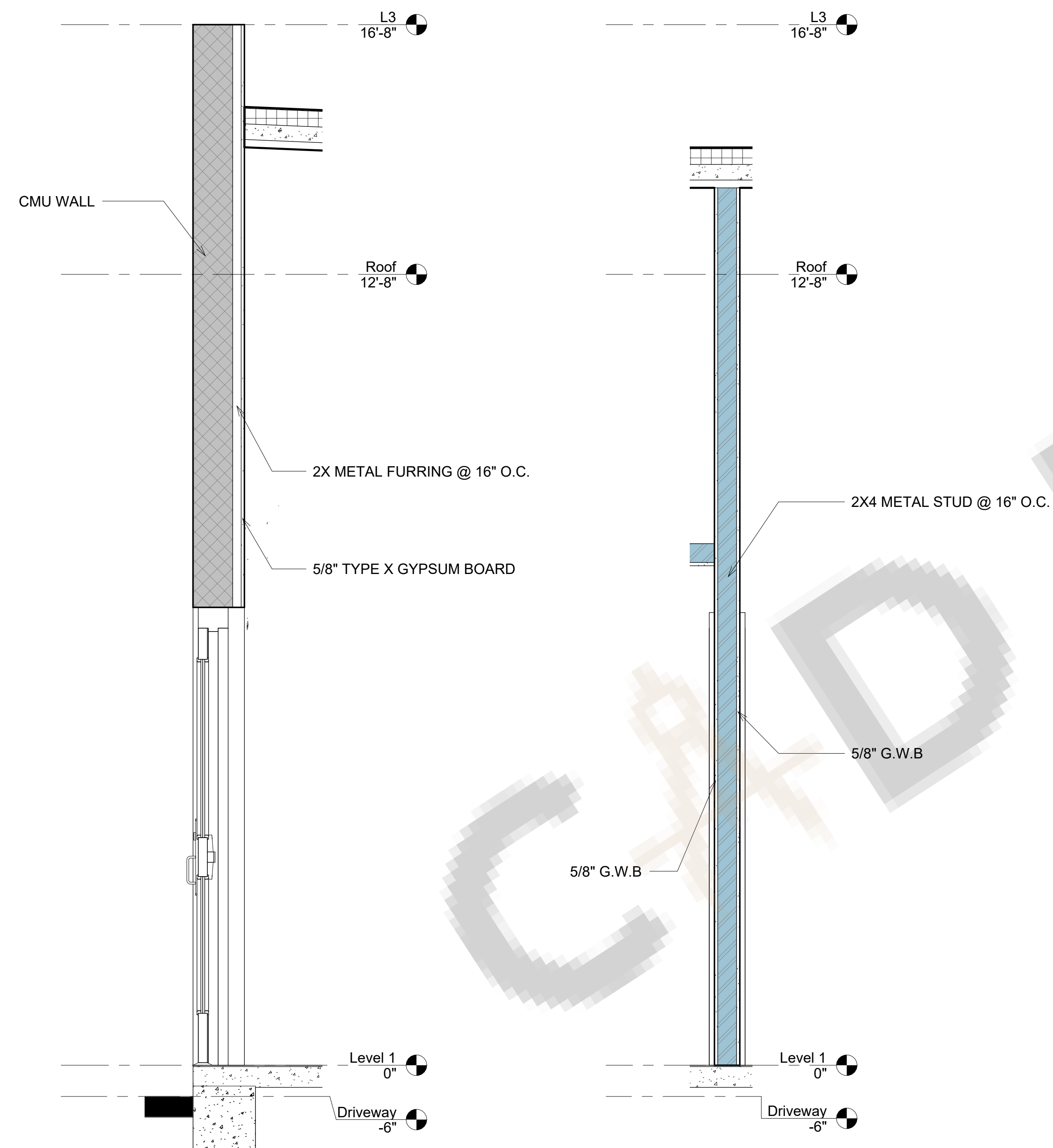
12/07/25

SHEET TITLE:

WALL SECTIONS & DETAILS

SHEET NUMBER:

A-141



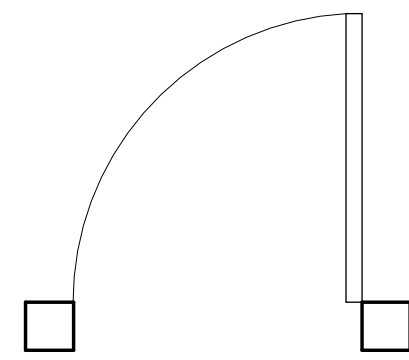
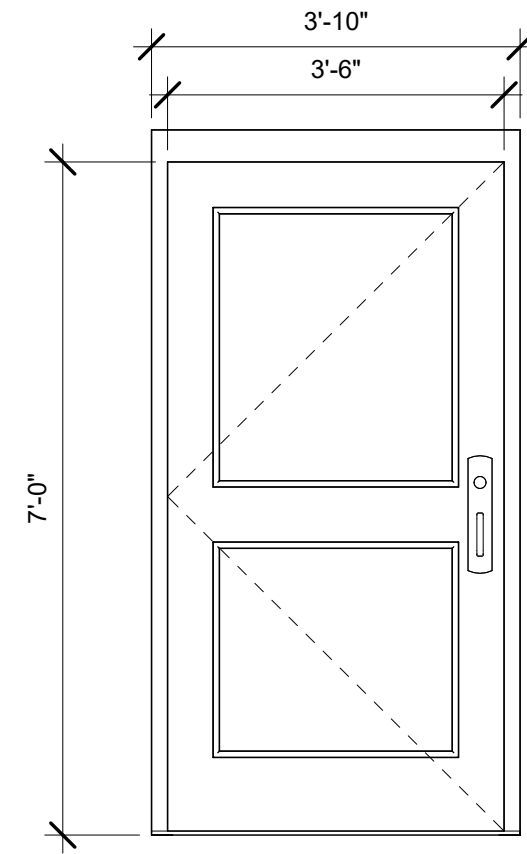
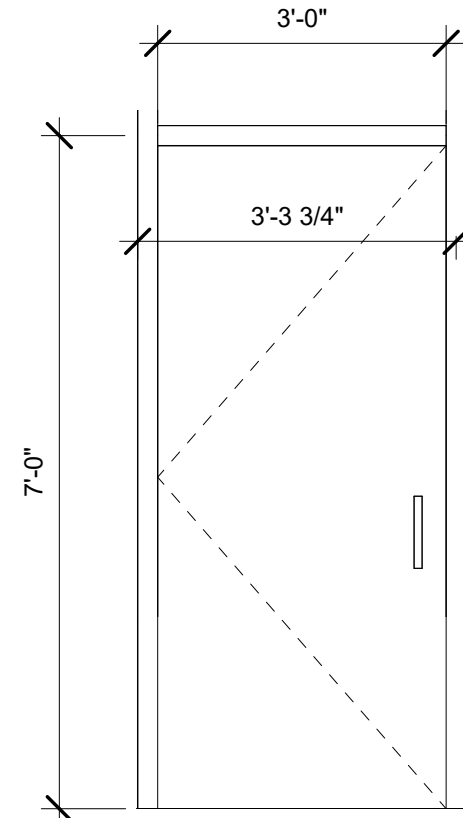
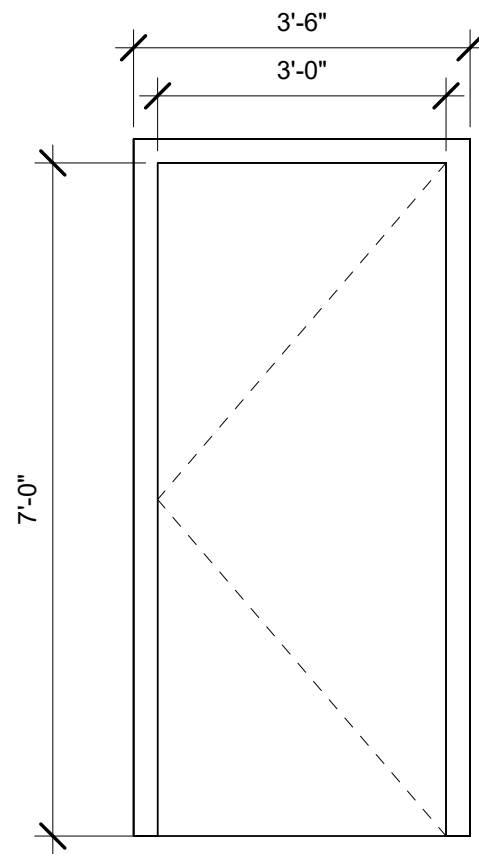
2 Wall Section 1

Scale: $3/4" = 1'-0"$

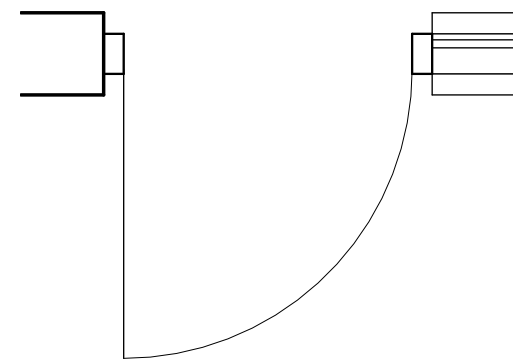
1 Wall Section 2

Scale: $3/4" = 1'-0"$

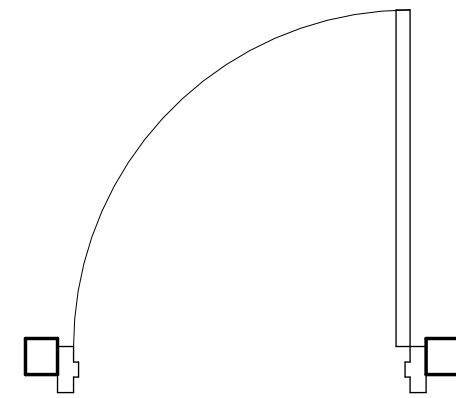
Door Schedule						
Type	Door					Fire Rating
	Width	Height	Thickness	Material	Finish	
D1	3'-0"	7'-0"	2"			
D1	3'-0"	7'-0"	2"			
D1	3'-0"	7'-0"	2"			
D1	3'-0"	7'-0"	2"			
D2	3'-0"	6'-10 3/4"				
D2	2'-9 1/2"	6'-10 3/4"				
D3	3'-6"	7'-0"	1 3/4"			
D4	3'-0"	7'-0"	1 1/2"			
15	0"	0"				



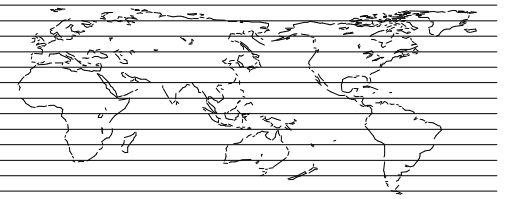
D1



D2



D3



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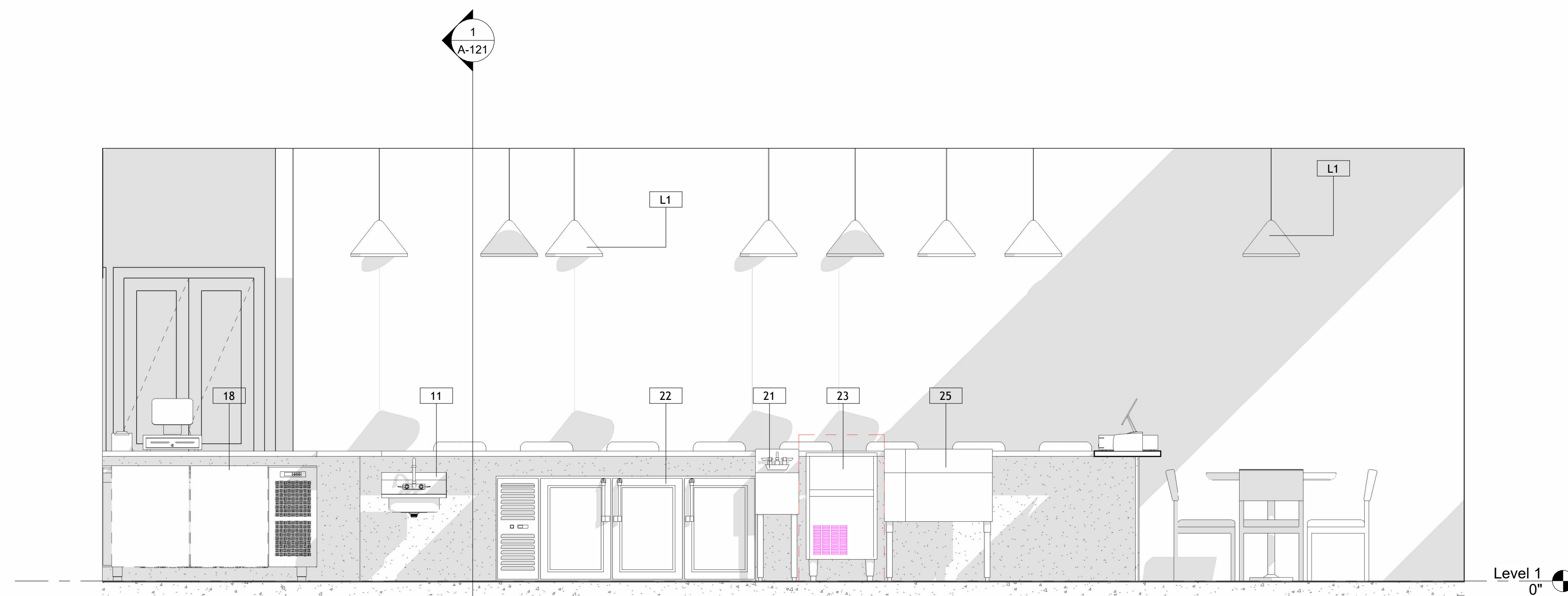
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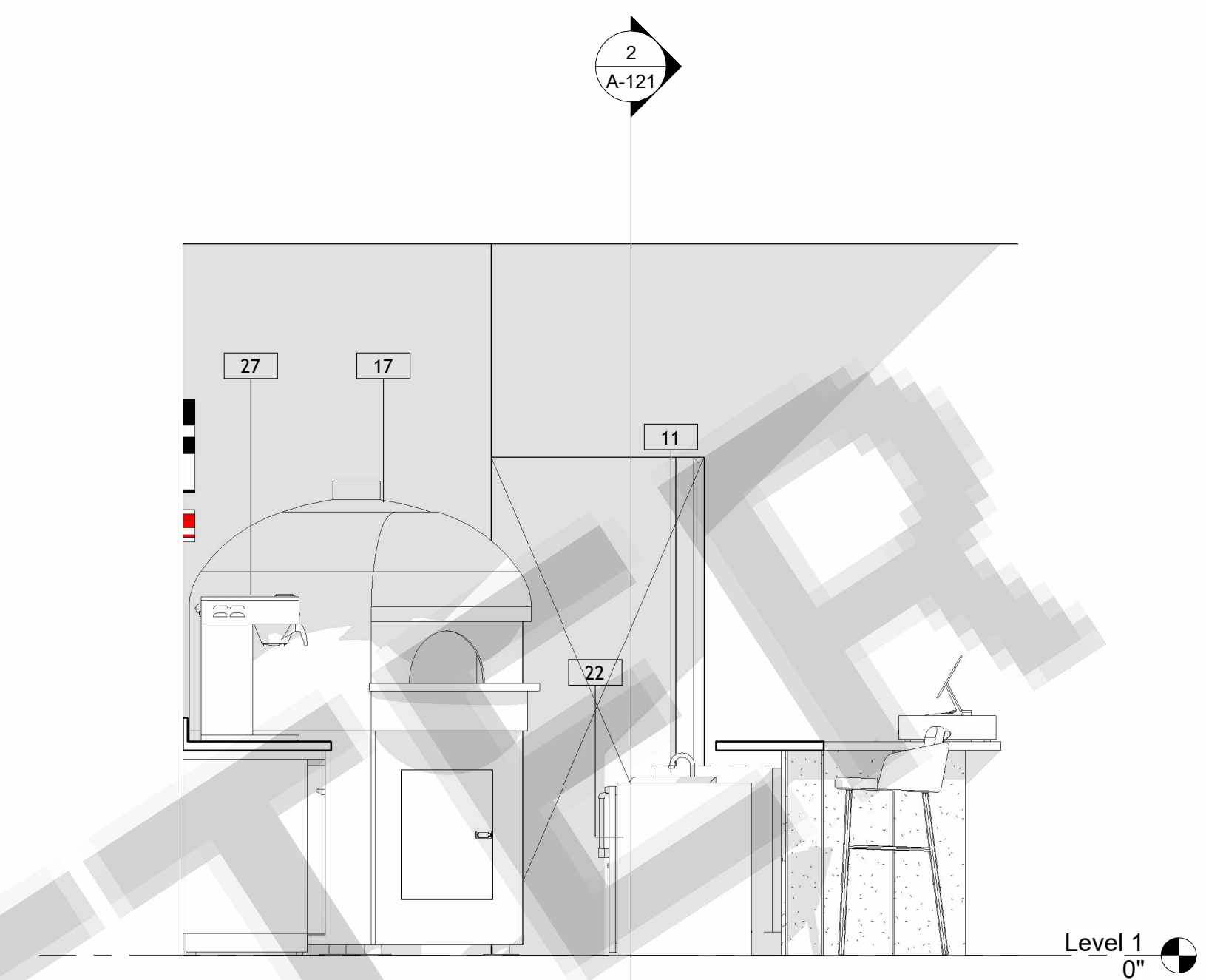
DOOR & FRAME SCHEDULE

SHEET NUMBER:



1 BAR COUNTER

Scale: 1/2" = 1'-0"



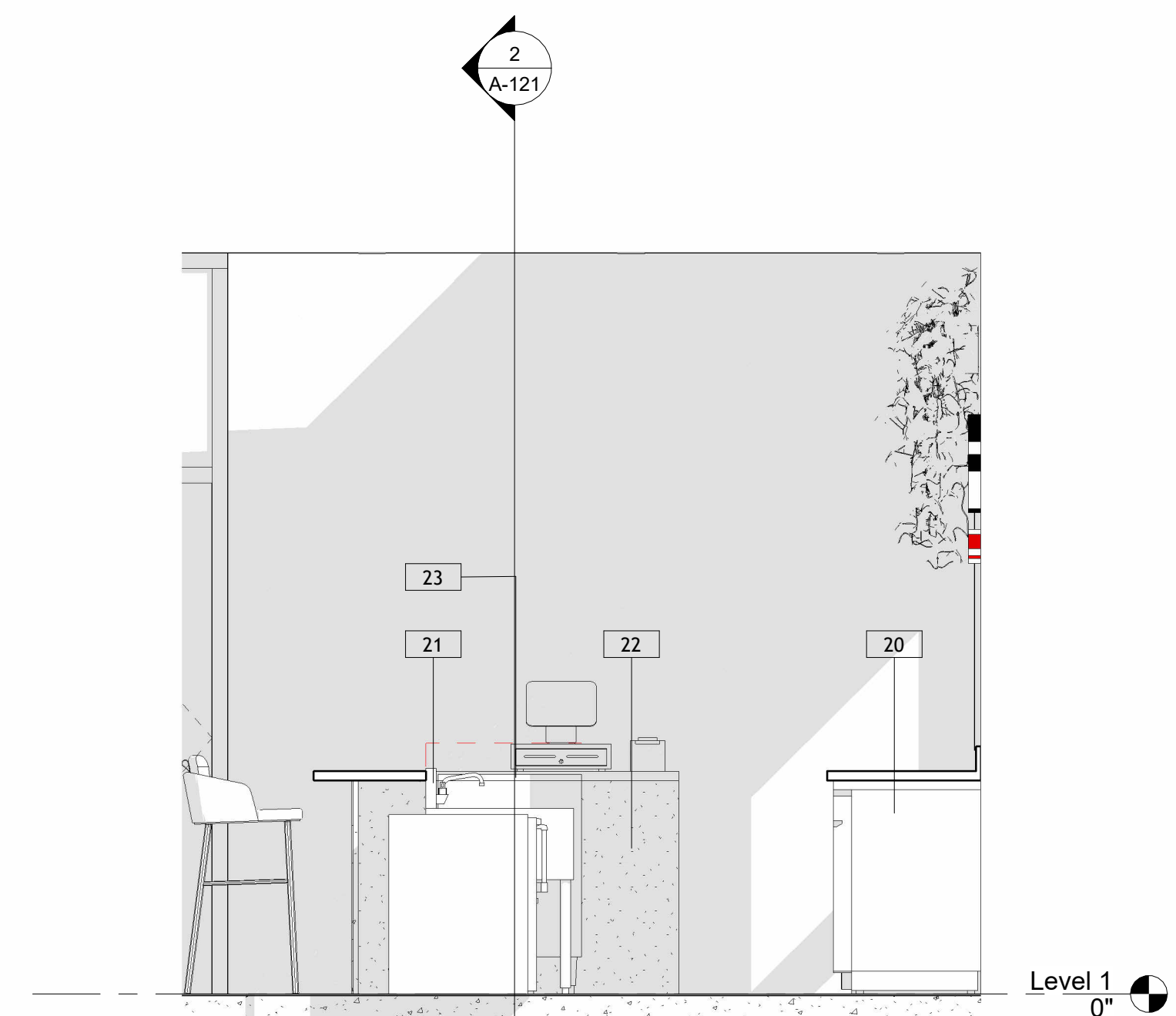
3 BAR COUNTER

Scale: 1/2" = 1'-0"



2 BACK BAR COUNTER

Scale: 1/2" = 1'-0"



4 BAR COUNTER

Scale: 1/2" = 1'-0"

11

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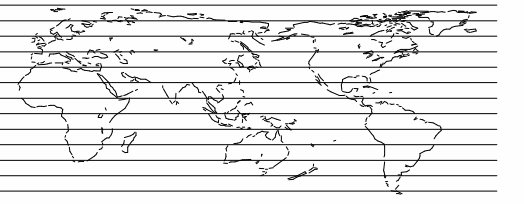
DATE:
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SHEET TITLE:

INTERIOR ELEVATION

SHEET NUMBER:

A-161



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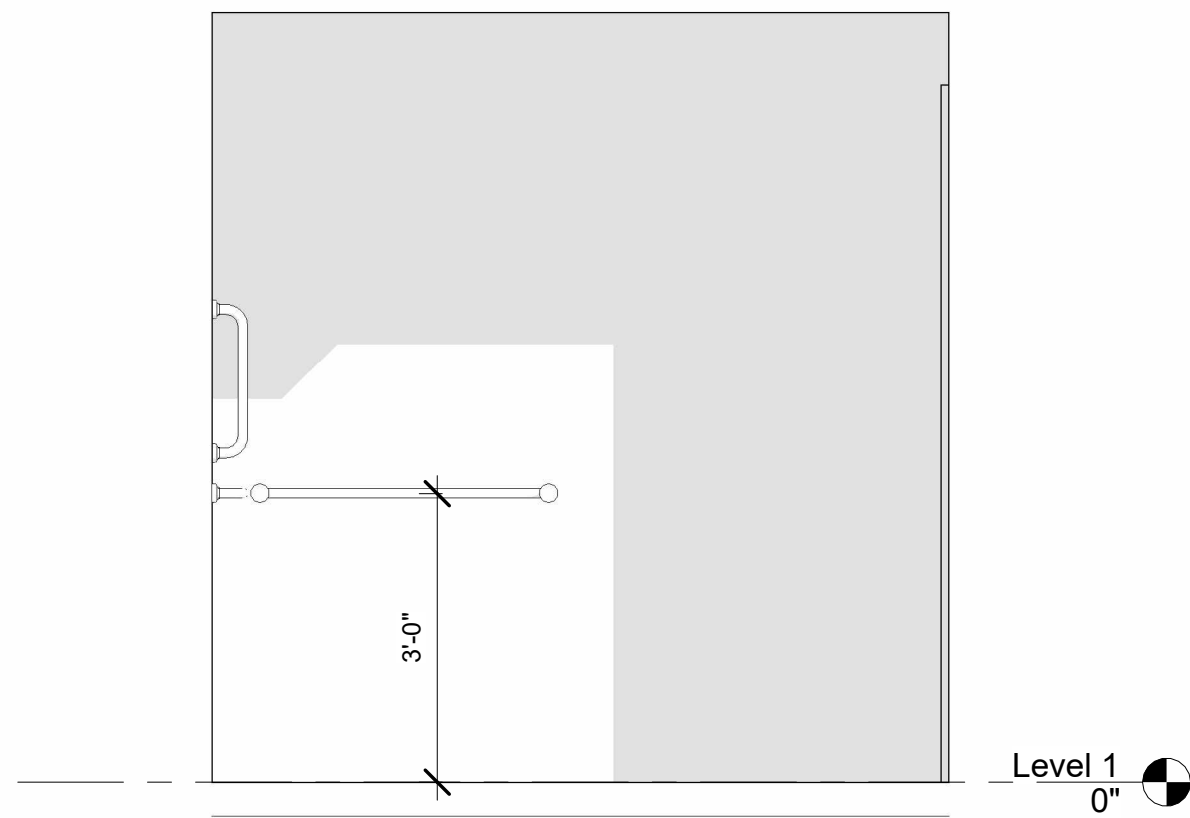
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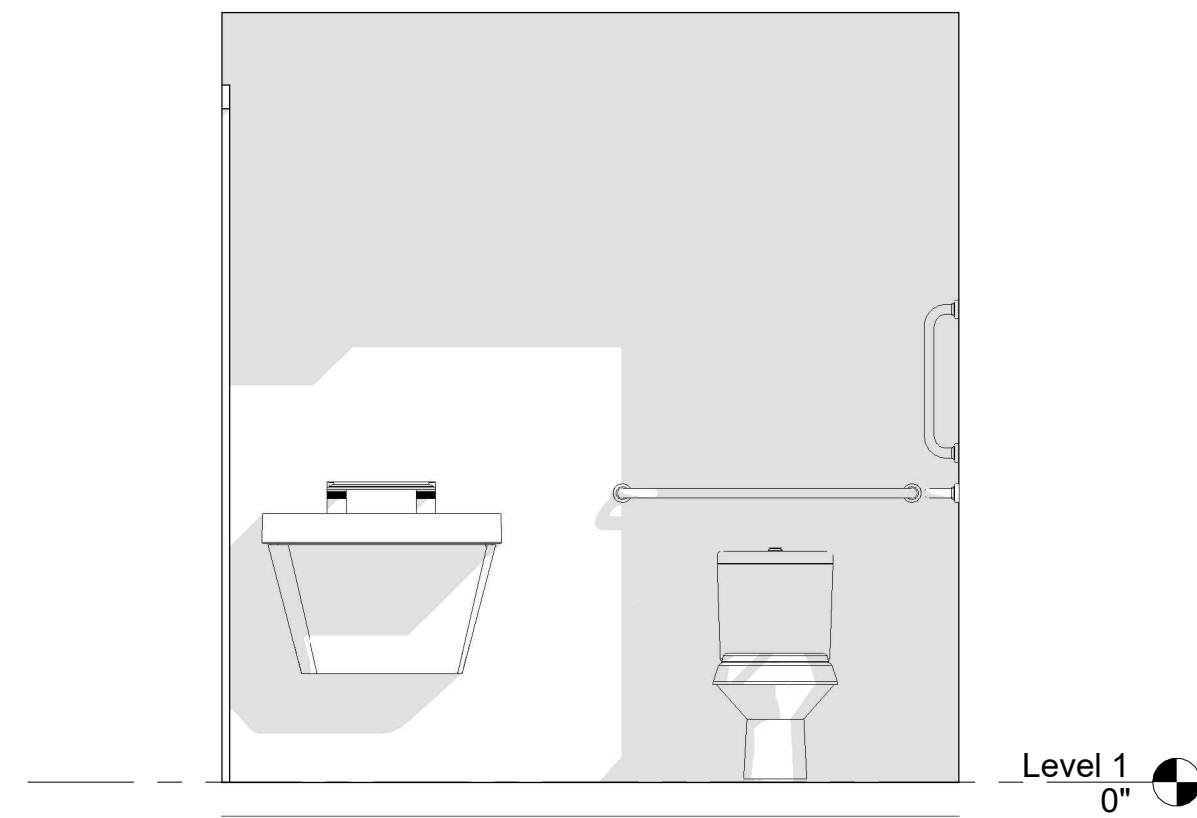
INTERIOR ELEVATION

SHEET NUMBER:

A-162

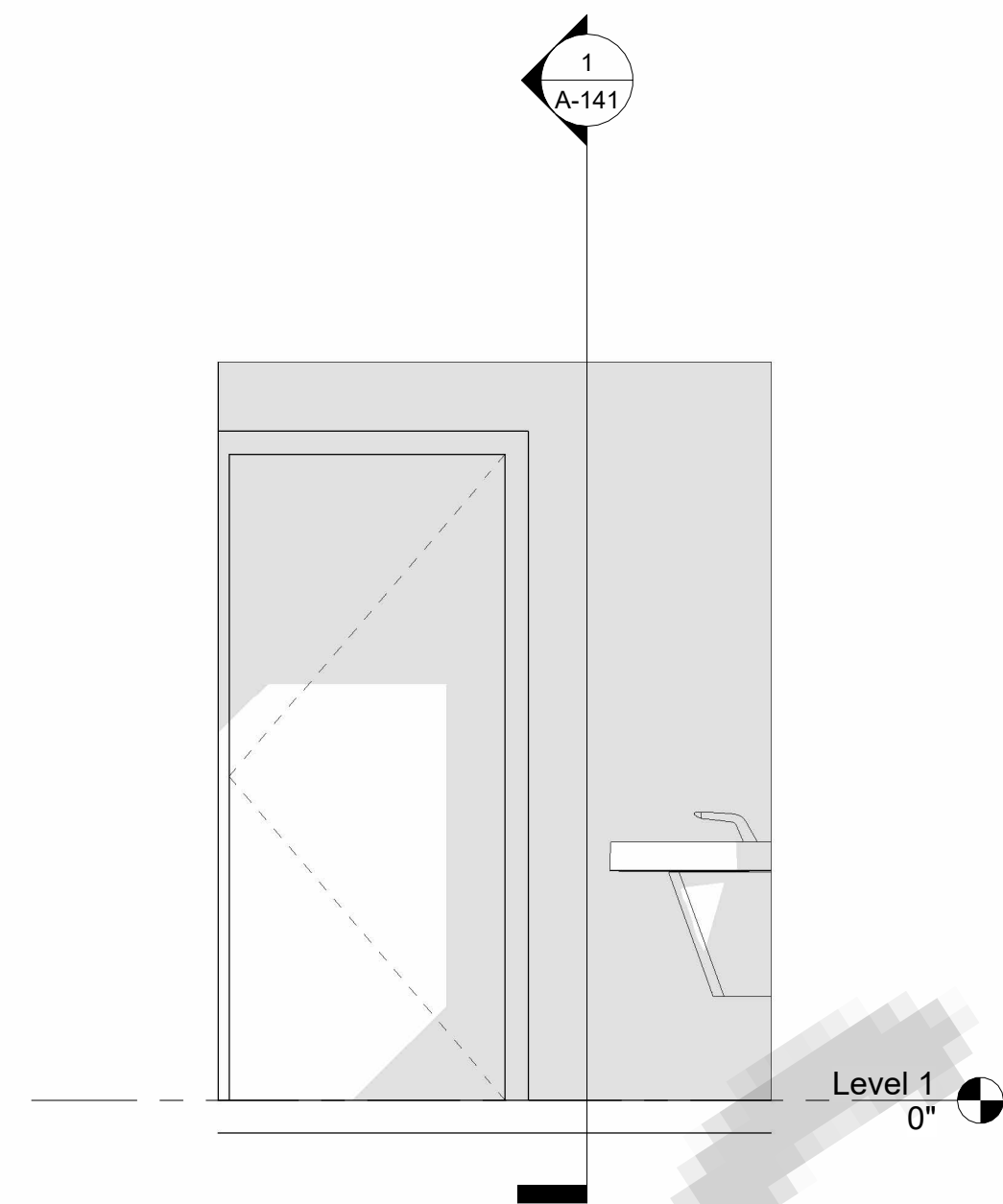


1 ADA TOILET
Scale: 1/2" = 1'-0"



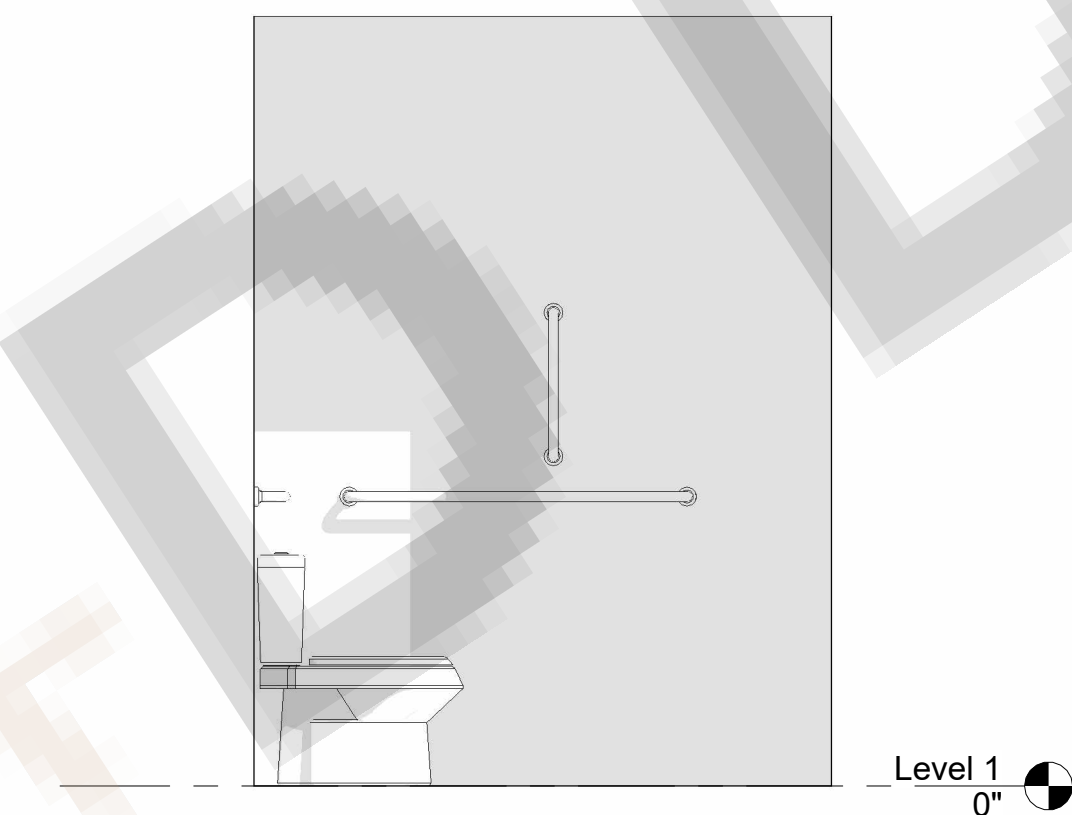
3 ADA TOILET

Scale: 1/2" = 1'-0"



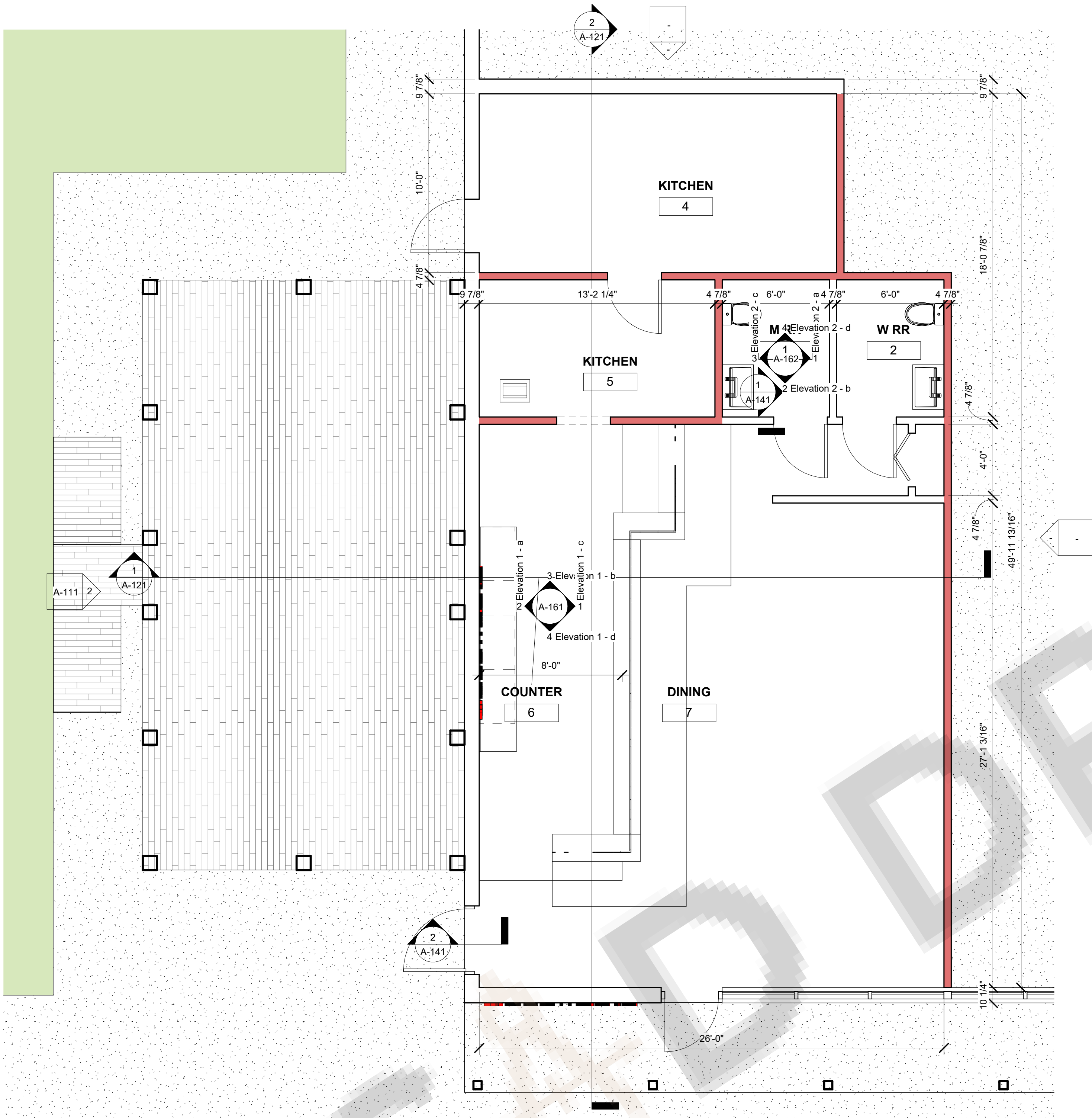
2 ADA TOILET

Scale: 1/2" = 1'-0"



4 ADA TOILET
Scale: 1/2" = 1'-0"

A-181



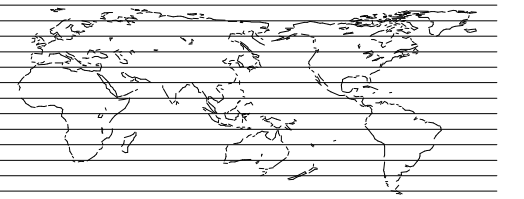
Scale: $1/4" = 1'-0"$



MAIN CONSULTANTS

CAD DRAFTER

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SHEET NUMBER:

A-191



GENERAL NOTES

GENERAL

1. ALL MECHANICAL WORK SHALL COMPLY WITH THE 2018 IMC, SOUTH CAROLINA AMENDMENTS, AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
2. CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS PRIOR TO INSTALLATION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGN PROFESSIONAL BEFORE PROCEEDING.
3. ALL EQUIPMENT AND MATERIALS SHALL BE NEW, LISTED, LABELED, AND APPROVED BY A RECOGNIZED TESTING AGENCY.
4. MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND CODE REQUIREMENTS.
5. PROVIDE REQUIRED PERMITS, INSPECTIONS, AND APPROVALS FROM THE AUTHORITY HAVING JURISDICTION (AHJ).

VENTILATION & INDOOR AIR QUALITY

6. OUTDOOR AIR VENTILATION SHALL COMPLY WITH IMC CHAPTER 4 AND ASHRAE 62.1, AS REFERENCED BY THE IMC.
7. VENTILATION RATES SHALL BE BASED ON OCCUPANCY CLASSIFICATION FOR RESTAURANT/DINING AREAS AND KITCHEN SPACES.
8. EXHAUST AIR SHALL BE DISCHARGED OUTDOORS IN ACCORDANCE WITH IMC SECTION 501, MAINTAINING REQUIRED CLEARANCES FROM OPENINGS AND PROPERTY LINES.
9. TOILET ROOMS SHALL BE MECHANICALLY EXHAUSTED DIRECTLY TO THE EXTERIOR.

KITCHEN & COOKING EXHAUST

10. COMMERCIAL KITCHEN HOODS SHALL COMPLY WITH IMC CHAPTER 5 AND NFPA 96.
11. TYPE I HOODS SHALL BE PROVIDED FOR GREASE-PRODUCING APPLIANCES AND SHALL INCLUDE GREASE FILTERS, FIRE SUPPRESSION, AND MAKE-UP AIR.
12. COOKING EXHAUST SYSTEMS SHALL BE INDEPENDENT AND SHALL NOT CONNECT TO ANY OTHER EXHAUST OR VENTILATION SYSTEM.
13. PROVIDE REQUIRED MAKE-UP AIR INTERLOCKED WITH THE EXHAUST HOOD SYSTEM.

DUCTWORK

14. DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH IMC CHAPTER 6 AND SMACNA STANDARDS.
15. GREASE DUCTS SHALL BE WELDED, LIQUID-TIGHT, AND FIRE-RATED WHERE REQUIRED.
16. FIRE AND SMOKE DAMPERS SHALL BE INSTALLED WHERE DUCTS PENETRATE FIRE-RATED ASSEMBLIES.

MECHANICAL EQUIPMENT

17. MECHANICAL EQUIPMENT SHALL BE SIZED BASED ON CALCULATED HEATING AND COOLING LOADS.
18. ROOFTOP AND EXTERIOR EQUIPMENT SHALL BE SECURELY ANCHORED AND PROVIDED WITH PROPER CLEARANCES FOR SERVICE AND COMBUSTION AIR.
19. CONDENSATE FROM COOLING EQUIPMENT SHALL BE DRAINED IN ACCORDANCE WITH IMC CHAPTER 3.

GAS & COMBUSTION AIR

20. GAS-FIRED APPLIANCES SHALL COMPLY WITH IMC CHAPTER 7 AND THE ADOPTED FUEL GAS CODE.
21. COMBUSTION AIR SHALL BE PROVIDED PER CODE REQUIREMENTS.
22. APPLIANCE VENTING SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND IMC REQUIREMENTS.

FIRE & SMOKE PROTECTION

23. ECHANICAL SYSTEMS SHALL NOT COMPROMISE FIRE-RATED ASSEMBLIES.
24. ALL REQUIRED ACCESS PANELS SHALL BE PROVIDED FOR DAMPERS, CONTROLS, AND EQUIPMENT REQUIRING INSPECTION OR MAINTENANCE.
25. FIRE SUPPRESSION SYSTEMS FOR COOKING EQUIPMENT SHALL BE COORDINATED WITH MECHANICAL AND ELECTRICAL TRADES.

ACCESS & MAINTENANCE

26. PROVIDE REQUIRED CLEAR WORKING SPACE AND ACCESS TO ALL MECHANICAL EQUIPMENT.
27. EQUIPMENT INSTALLED ABOVE CEILINGS SHALL HAVE ACCESS PANELS SIZED PER IMC REQUIREMENTS.

FINAL REQUIREMENTS

28. BALANCE AND TEST ALL VENTILATION AND EXHAUST SYSTEMS PRIOR TO FINAL INSPECTION.
29. SUBMIT MANUFACTURER CUT SHEETS AND SHOP DRAWINGS WHEN REQUIRED BY THE AHJ.
30. FINAL APPROVAL IS SUBJECT TO INSPECTION BY THE LOCAL BUILDING DEPARTMENT

AIR DEVICES

MARK	TYPE	SIZE	MANF....	REMARK
S1	SQUARE CEILING DIFFUSER	24"X24"	TITUS	REF. NOTES
S2	SQUARE CEILING DIFFUSER	12"X12"	TITUS	REF. NOTES
S3	SQUARE CEILING DIFFUSER	24"X24"	TITUS	REF. NOTES
R1	SQUARE CEILING DIFFUSER	24"X24"	TITUS	REF. NOTES

KITCHEN HOOD SCHEDULE

MARK	MANUFACTURER	MODEL	TEMP F	TYPE	EXHAUST FAN VOLUME	EXHAUST CFM /FT	HOOD LENGHT FT	CONFIGURATION
HOOD CAPTIVE AIRE	CAPTIVE AIRE	ND-2 SERIES	600 F	HOOD CAPTIVE AIRE-ND-2-2r	2200 CFM	200	11 FT	SINGLE WALL HOOD

MAKE UP AIR / DOAS SCHEDULE

MARK	LOCATION	CAPACITY	AIR FLOW (CFM)	POWER	BLOWER	IEER	ISMRE2	WEIGHT	MAKE / MODEL
MUA-1	ROOF	ND-2 SERIES	600 F	HOOD CAPTIVE AIRE-ND-2-2r	2200 CFM	200	11 FT	SINGLE WALL HOOD	CAPTIVEAIRE CAS-HVAC1-I.125-15-5T-MPU

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	EXHAUST FAN VOLUME
EF-1	GREENHECK	SP SERIES	EF-1	50 CFM
EF-1	GREENHECK	SP SERIES	EF-1	50 CFM

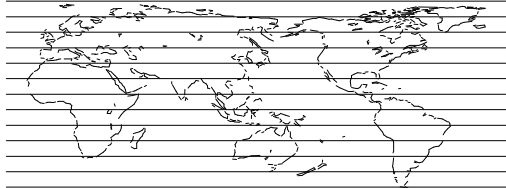
Roof Top Unit Schedule

MANUFACTURER	MODEL	UNIT TYPE	NOMINAL COOLING (TON)	NET COOLING CAPACITY (BTUH)	GAS HEATING CAPACITY (BTUH)	EER	IEER	SUPPLY AIRFLOW (CFM)	OUTDOOR FAN CFM	ELECTRICAL (V/PH/Hz)	MCA (A)	MOCp (A)	REFRIGERANT	UNIT DIMENSIONS (L×W×H)	UNIT WEIGHT (LB)	ROOF CURB DIMENSIONS (L×W)
TRANE	YSC090H3 (Precedent™ Gas/Electric RTU)	Packaged Gas/Electric	7.5	92500	120,000 (Input)	11	12.7	3000	6400	230 / 3 / 60	48	50	R-410A	88.1 × 53.3 × 50.9 in	1013	84.8 × 54.6 in

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CONSULTING ARCHITECTS, ENGINEERS & BIM SOLUTIONS



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Project Number

DATE:

03/31/22

SHEET TITLE:

Mechanical General Notes & Calculations

SHEET NUMBER:

M100



M101

GENERAL NOTES

1.

CODE REFERENCE STANDARD:
ALL PLUMBING WORK SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE 2024 INTERNATIONAL PLUMBING CODE® (IPC) AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION.
2.

SCOPE & ADMINISTRATION:
PLUMBING SYSTEMS INCLUDE SANITARY DRAINAGE, WATER SUPPLY AND DISTRIBUTION, FIXTURES, BACKFLOW PROTECTION, VENTING, TRAPS, INTERCEPTORS, STORM DRAINAGE AND ASSOCIATED APPURTENANCES.
3.

AUTHORITY HAVING JURISDICTION (AHJ):
WHERE LOCAL AMENDMENTS OR REQUIREMENTS EXCEED THE IPC, THE STRICTER REQUIREMENT GOVERNS.
4.

PERMITS & INSPECTIONS:
PERMITS MUST BE OBTAINED FROM THE APPROPRIATE JURISDICTION BEFORE CONSTRUCTION. ALL INSPECTIONS REQUIRED BY THE IPC FOR PLUMBING INSTALLATIONS MUST BE SCHEDULED AND APPROVED.
5.

REFERENCED STANDARDS:
ALL REFERENCED STANDARDS, FIXTURES, FITTINGS AND MATERIALS SHALL COMPLY WITH RECOGNIZED TESTING AGENCIES AND THE IPC REFERENCED STANDARDS LIST.
- PLUMBING DESIGN & INSTALLATION NOTES
6.

WORKMANSHIP:
ALL PLUMBING MATERIALS AND SYSTEMS SHALL BE INSTALLED IN A NEAT, WORKMANLIKE MANNER IN FULL COMPLIANCE WITH THE LATEST IPC AND MANUFACTURER’S RECOMMENDATIONS.
7.

COORDINATION:
COORDINATE ALL PLUMBING INSTALLATIONS WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND CIVIL TRADES BEFORE INSTALLATION.
8.

WATER SUPPLY & DISTRIBUTION:

PROVIDE POTABLE WATER DISTRIBUTION SYSTEMS IN COMPLIANCE WITH IPC CHAPTER 6.

ALL PIPE SIZES, MATERIALS AND GRADIENTS SHALL CONFORM TO IPC REQUIREMENTS AND MANUFACTURER INSTRUCTIONS.
9.

DRAINAGE, WASTE & VENT:

SANITARY DRAINAGE SYSTEMS SHALL BE DESIGNED AND INSTALLED TO PREVENT SYPHONING, BACKFLOW AND SHALL MAINTAIN REQUIRED MINIMUM SLOPES.

VENTING SHALL BE PROVIDED FOR ALL FIXTURES AS REQUIRED BY THE IPC.
10.

FIXTURES & MINIMUM REQUIREMENTS:

RESTROOM AND FIXTURE COUNTS SHALL MEET THE MINIMUM BASED ON CALCULATED OCCUPANT LOAD.

FOR RESTAURANTS (ASSEMBLY/FOOD USE), REFER TO THE IPC’S FIXTURE TABLE (E.G., WATER CLOSETS, LAVATORIES) TO DETERMINE REQUIRED NUMBERS BASED ON OCCUPANCY.
11.

BACKFLOW PREVENTION:
PROVIDE BACKFLOW PREVENTION DEVICES WHERE REQUIRED TO PROTECT POTABLE WATER SYSTEMS.
12.

TRAPS & CLEANOUTS:
PROVIDE TRAPS AND CLEANOUTS AS REQUIRED BY THE IPC. CLEANOUTS SHALL BE ACCESSIBLE AND LOCATED PER CODE.
13.

MATERIALS & TESTING:
ALL PIPING AND FITTINGS SHALL BE APPROVED, INSTALLED PER MANUFACTURER INSTRUCTIONS, AND WATER SYSTEMS SHALL BE TESTED PER IPC TEST PRESSURES.
13.

ESCUTCHEONS, SLEEVES & PENETRATIONS:
ALL WALL/FLOOR PENETRATIONS FOR PIPING SHALL BE SEALED AND FIRESTOPPED WHERE REQUIRED.
- DRAWING SPECIFIC NOTES
14.

DIMENSIONS:
ALL DIMENSIONS SHOWN ON DRAWINGS ARE TO FACE OF FINISHED SURFACE UNLESS NOTED OTHERWISE.
15.

REVISIONS:
CONTRACTOR SHALL SUBMIT REVISION DRAWINGS FOR ANY FIELD MODIFICATIONS.
16.

AS-BUILT DOCUMENTATION:
SUBMIT AS-BUILT DRAWINGS, RISER DIAGRAMS AND RECORD OF INSPECTIONS UPON PROJECT COMPLETION.

GREASE INTERCEPTOR SIZING				
Fixture Type	Trap Arm Size	Fixture Unit FU	Quantity	Total FU
Kitchen Sink	1 1/2	2	1	2
3 Comp Sink	1 1/2	2	1	2
Hand Sink	1 1/2	2	4	8
Dishwasher	1 1/2	2	1	2
TOTAL FU				14

SAMPLE WELL SCHEDULE							
Tag	Type	Size /...	Depth	Material	Connections	Cover	Notes
SW-750	Outlet Sampling Well	24" Dia min.	4' deep nominal (to pipe inverts)	Precast concrete	4" PVC inlet/outlet connections	Traffic-rated cast/ductile iron	Installed immediately downstream of GT-750 interceptor outlet for effluent sampling per AHJ; provide sampling port at invert pipe centerline

WATER HEATER CALCULATION				
Plumbing Fixt	Qty	FU	Total FU	BTU/hr
Kitchen Sink Doubl...	1	1	1	
3 Comp Sink	1	1	1	
Lavatory	2	0.5	1	
Dishwasher	1	1	1	
Handsink	4	1	4	
TOTAL			8	
1 Hot WSFU ≈ 1.0 GPM			8	GPM
Peak Simultaneous...				GPM
1-Hour Hot Water...				GPH
FHR			≥ 100 Gallons	

GRAVITY GREASE INTERCEPTOR SIZING	
Drainage Fixture Units DFU	Interceptor Volume (gallons)
8	500
21	750
35	1000
90	1250
172	1500
216	2000
307	2500
342	3000
428	4000
576	5000

WATER SUPPLY SCHEDULE												
Plumbing Fixture	QUANTIT Y	Hot WS...	Cold WSFU	TOTAL WSFU PER FIXT	TOTAL WSFU	HW CONNECTION	CW CONNECTION	DFU/FIXT	TOTAL DFU	TRAP SIZE	DRAIN CONNECTION SIZE	VENT PIPE SIZES
LEVEL 1												
KITCHEN SINK DOUBLE 42"x21"	1	1	1	1.5	1.5	1/2	1/2	2	2	1 1/2	1 1/2	1 1/4
3 COMP SINK		1	1	1.5	0	1/2	1/2	2	0	1 1/2	1 1/2	1 1/4
WC	2	—	5	5	10	—	1/2	3	6	3	3	1 1/2
LAVATORY	2	0.5	0.5	1	2	1/2	1/2	1	2	1 1/4	1 1/4	1 1/4
DISHWASHER	1	1	1.5	1.5	1.5	1/2	—	2	2	1 1/2	1 1/2	1 1/4
HANDSINK	4	1	1	1	4	1/2	1/2	2	8	1 1/2	1 1/2	1 1/4
TOTAL					19				20			

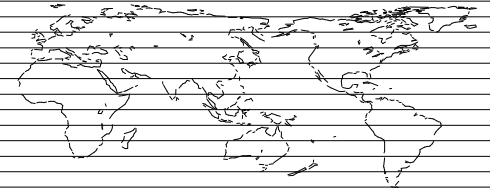
GREASE INTERCEPTOR SCHEDULE															
Tag	Model	Serving	Capacity	Construction	Compartments	Inlet/Outlet	Dimensions (LxWxH)	Inlet Invert (FL1)	Outlet Invert (FL2)	Baffles	Access	Covers	Compliance	Notes	
GT-750	GreaseTrap® GT-750	Commercial FOG Pretreatment	750 gallon liquid capacity	Precast concrete direct burial	Two-compartment gravity interceptor	4" PVC (Sch. 40) inlet/outlet with resilient boots	9'-10"x 4'-4" x6'-0"	4'-5"	4'-2"	Monolithic internal baffles	Built-in access risers	Dual cast iron or ductile iron traffic-rated covers	UPC / IPC compliant, meets municipal codes	Designed for restaurants, kitchens, food service facilities; includes internal piping and sample well recommendations	

WATER HEATER SCHEDULE													
Tag	Model / Brand	Tank Cap. (gal)	FHR (gal)	Fuel	BTU Input	UEF / Efficiency	Water Conn.	Gas Conn.	Vent Type	Recovery (GPH)	NOx Compliance	Notes	
WH	State ProLine® GS6-100-UR RT-100	100	288	Natural Gas	75,100 BTU/h	UEF 0.58 / 81 %	1¼" NPT	½" NPT	4" Atmospheric Vent	~82	Ultra-Low NOx Green Choice®	Includes T&P valve, seismic straps, isolation valves, expansion tank per CPC, CA-compliant; suitable for high-demand...	

MAIN CONSULTANTS

CAD DRAFTER

CONSULTING ARCHITECTS, ENGINEERS & BIM SOLUTIONS



www.aesom.co

7522 CAMPBELL RD SUITE 113 #467
DALLAS, TX 75248 UNITED STATES.

Voice: +1 (214) 556 2605

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CONSTRUCTION SET	
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DRAWN BY

Author

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Project Number

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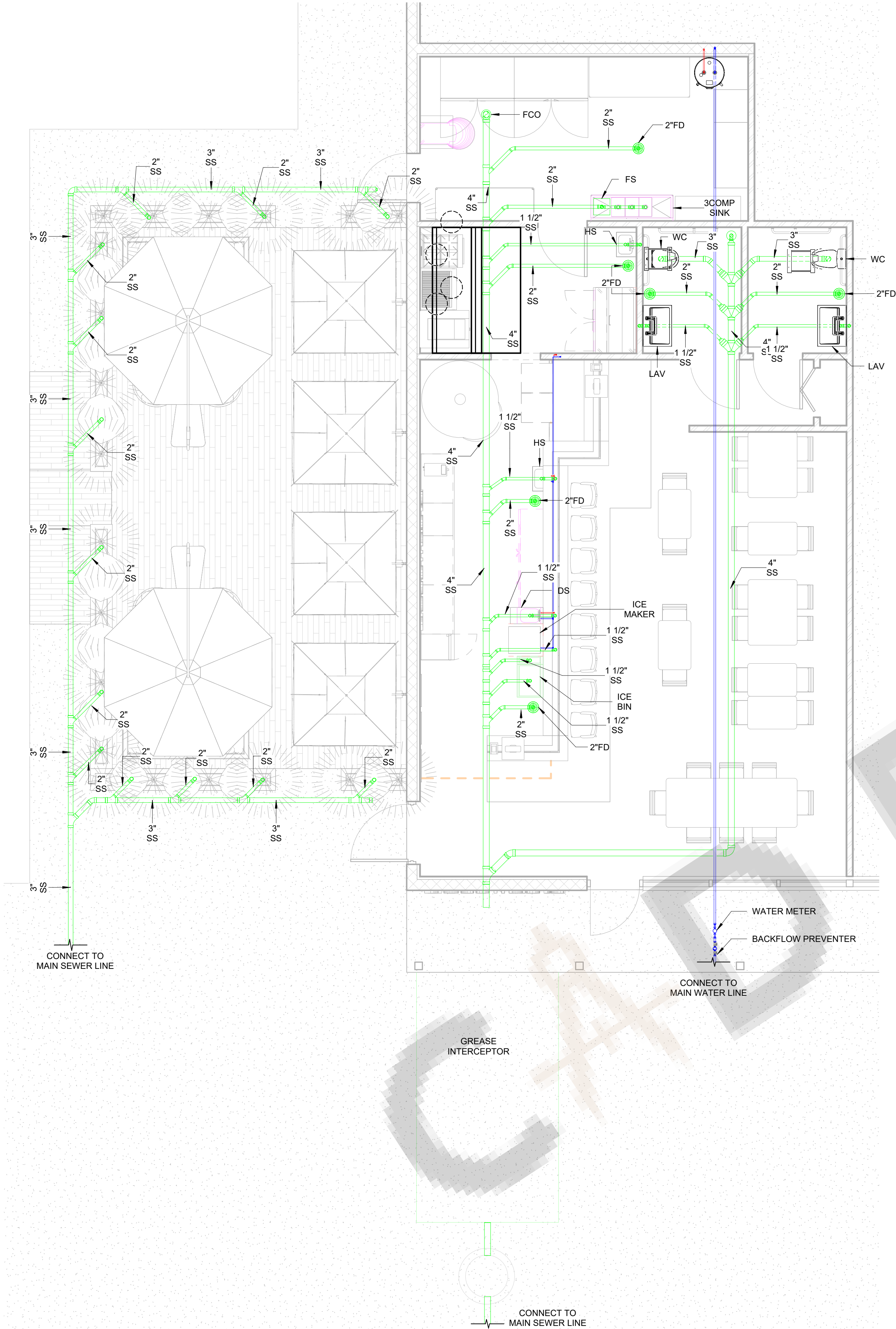
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SHEET TITLE:

Plumbing General Notes & Calculations

SHEET NUMBER:

P100



GENERAL NOTES

- ALL SANITARY DRAINAGE SYSTEMS SHALL COMPLY WITH THE INTERNATIONAL PLUMBING CODE (IPC), LATEST EDITION ADOPTED BY THE STATE OF SOUTH CAROLINA, INCLUDING LOCAL AMENDMENTS.
- SANITARY PIPING SHALL BE PVC, ABS, OR CAST IRON AND INSTALLED WITH MINIMUM SLOPES PER IPC.
- ALL FIXTURES SHALL BE TRAPPED; S-TRAPS PROHIBITED.
- PROVIDE CLEANOUTS AT THE BASE OF STACKS, CHANGES IN DIRECTION, AND AT REQUIRED INTERVALS PER IPC.
- KITCHEN WASTE SHALL DISCHARGE THROUGH AN APPROVED GREASE INTERCEPTOR AS REQUIRED BY THE AHJ.
- INDIRECT WASTE CONNECTIONS WITH AIR GAPS SHALL BE PROVIDED WHERE REQUIRED.
- ALL SANITARY PIPING SHALL BE TESTED AND APPROVED PRIOR TO CONCEALMENT.

MAIN CONSULTANTS

CAD DRAFTER

CONSULTING ARCHITECTS, ENGINEERS & BIM SOLUTIONS

www.aesom.co

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DALLAS, TX 75248 UNITED STATES.

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SHEET TITLE:
Plumbing Plans

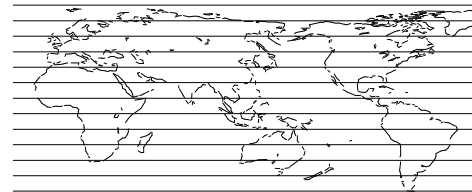
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P101

1 LEVEL 1 PLUMBING FLOOR PLAN
Scale: 1/4" = 1'-0"



Scale: 1/4" = 1'-0"

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- CAD DRAFTER**
- GENERALIST PROJECTS, ESTIMATING & BIDDING
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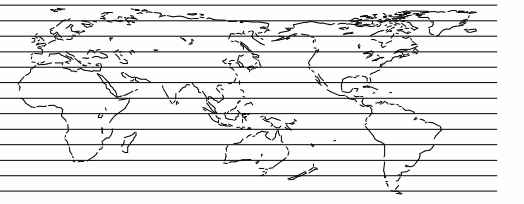
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SHEET TITLE:

Plumbing Plans Water Supply

P102



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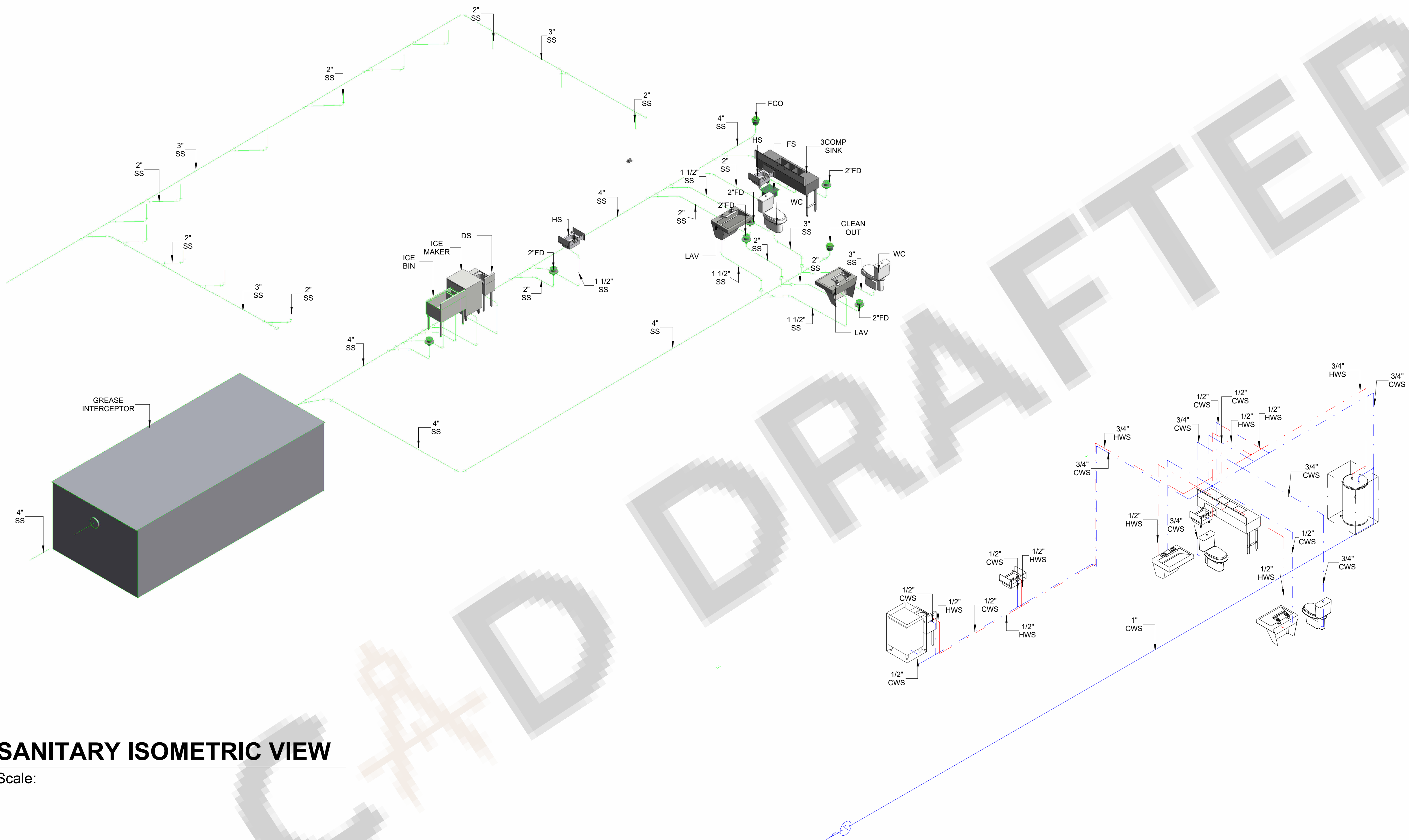
03/31/22

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Plumbing Isometric View

SHEET NUMBER:

P103



SANITARY ISOMETRIC VIEW

Scale:



WATER SUPPLY ISOMETRIC VIEW

Scale: