

# CITY HALL REMODEL

## 115 2nd Street SE || Sidney, MT 59270

**OWNER:**

CITY OF SIDNEY  
115 2ND STREET SE  
SIDNEY, MT 59270  
406-433-2809

**BUILDING DEPARTMENT:**

KALE RASMUSSEN  
FIRE MARSHAL / BUILDING INSPECTOR  
1105 3RD STREET NW  
SIDNEY, MT 59270  
406-433-1122

**ARCHITECT:**

BRANDON JANSSEN, AIA  
SDI ARCHITECTS + DESIGN  
909 MAIN STREET  
MILES CITY, MT 59301  
406-234-0777

**MECHANICAL ENGINEER**

CORY HASIAK, PE  
SIMPLICITY ENGINEERING  
PO BOX 51272  
BILLINGS, MT 59105  
406-254-7157

**ELECTRICAL ENGINEER**

CORY HASIAK, PE  
SIMPLICITY ENGINEERING  
PO BOX 51272  
BILLINGS, MT 59105  
406-254-7157

**DRAWING INDEX**

**General Information**

G1.0 INDEX, CONTACTS, & LOCATIONS

**Architectural**

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**Mechanical**

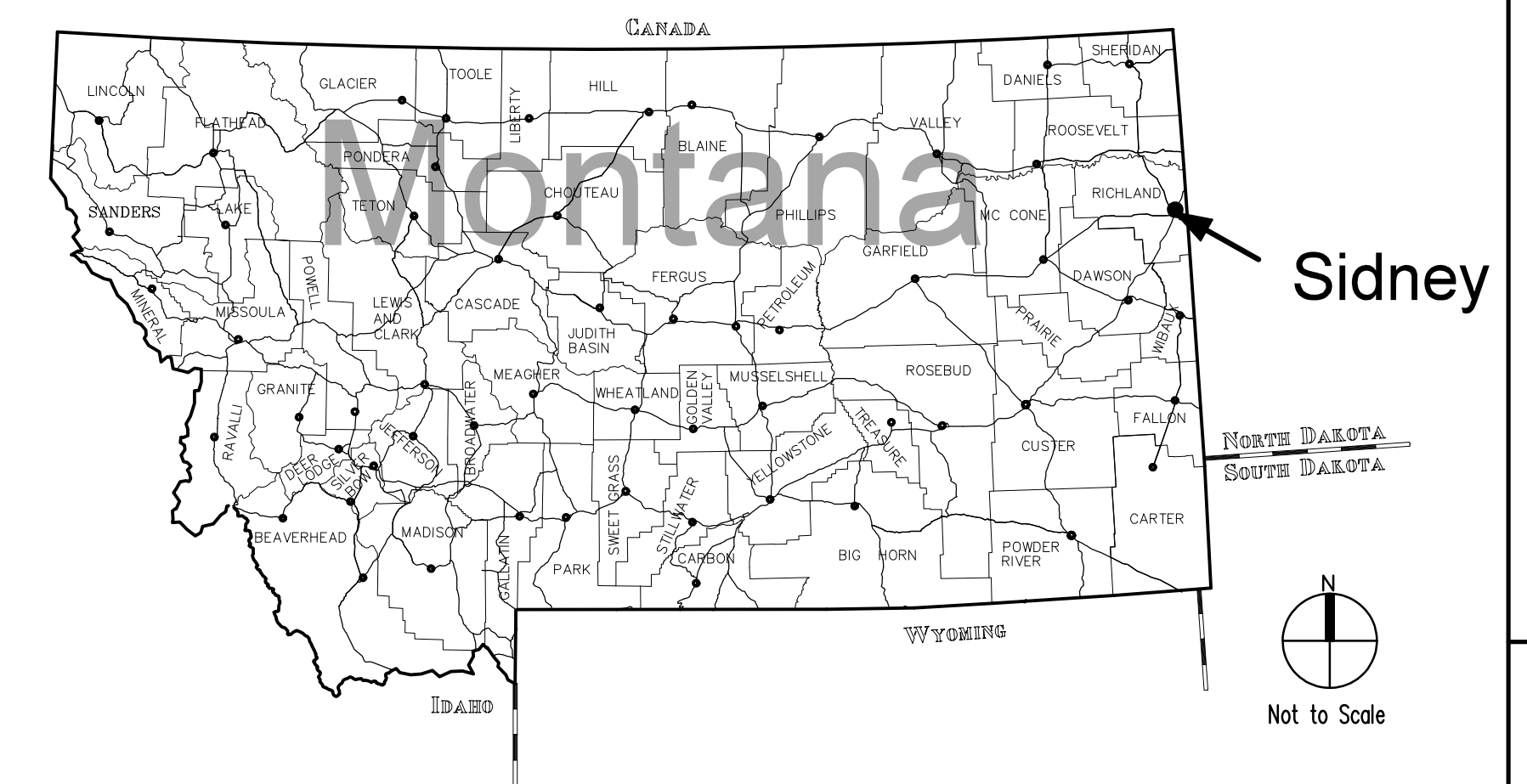
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**Electrical**

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**ABBREVIATIONS**

Ⓢ	ANCHOR BOLT	E.C.	ELECTRICAL CONTRACTOR	M.C.	MECHANICAL CONTRACTOR	SCH	SCHEDULE
A.B.	ANCHOR BOLT	E.J.	EXPANSION JOINT	MFR	MANUFACTURER	SHT	SHEET
A.F.F.	ABOVE FINISHED FLOOR	ELEV.	ELEVATION	MAX	MAXIMUM	SIM	SIMILAR
ALM.	ALUMINUM	ELEC	ELECTRICAL	MBM	METAL BUILDING MANUFACTURER	SPI	SPRAY POLYURETHANE INS.
ALUM.	ALUMINUM	EPS	EXPANDED POLYSTYRENE INS.	MECH	MECHANICAL	S.S.	STAINLESS STEEL
ALT	ALTERNATE	EQ.	EQUAL	MIN	MINIMUM	STD	STANDARD
BM	BEAM	ESB	EQUIPMENT STORAGE BUILDING	MISC	MISCELLANEOUS	SYM.	SYMMETRICAL
B.U.	BUILT UP	EXIST	EXISTING	M.O.	MONTANA	T&G	TONGUE AND GROOVE
CL	CENTER LINE	EXP.	EXPANSION	MT	MONTANA	THRU	THROUGH
CDX	EXTERIOR GRADE PLYWOOD	EXT.	EXTERIOR	NO. or #	NUMBER	T.J.I	TRUSS JOIST INCORPORATED
CLG.	CEILING	FLR	FLOOR	N.T.S.	NOT TO SCALE	T.O.	TOP OF
CLR	CLEAR	F.C.	FACE OF CONCRETE	O.C.	ON CENTER	T.O.B.	TOP OF BEAM
CMU	CONCRETE MASONRY UNIT	F.R.	FIRE RETARDANT/TREATED	O.D.	OUTSIDE DIAMETER	T.O.F.	TOP OF FOOTING
COL	COLUMN	GALV.	GALVANIZED	OH	OVERHEAD	T.O.S.	TOP OF SLAB
CONC.	CONCRETE	GA.	GAUGE	OPP	OPPOSITE	T.O.W.	TOP OF WALL
CONT	CONTINUOUS	G.C.	GENERAL CONTRACTOR	PAP	PATCH & PAINT	TYP	TYPICAL
CSK	COUNTERSINK	G.W.B	GYPSPUM WALL BOARD	PL	PLATE	U.G.	UNDERGROUND
DBL	DOUBLE	HVAC	HEATING, VENTILATION, AIR CONDITIONING	PLY	PLYWOOD	US	UNITED STATES
DIA or ⌀	DIAMETER	HWY	HIGHWAY	PNL	PANEL	VCT	VINYL COMPOSITION TILE
DN	DOWN	INFO	INFORMATION	PVC	POLYVINYLCHLORIDE	VERT	VERTICAL
D.S.	DOWNSPOUT	INS	INSULATION	QTY	QUANTITY	W/	WITH
DWG	DRAWING	IWP	INSULATED WALL PANEL	R	RADIUS	WC	WALL COVERING
EA	EACH	LB	POUND	REBAR	REINFORCING STEEL	WP	WATER PROOF
EIFS	EXTERIOR INSULATION FINISH SYSTEM	LVL	LAMINATED VENER LUMBER	REF	REFERENCE	WWF	WELDED WIRE FABRIC
		LVT	LUXURY VINYL TILE	REQ	REQUIRED	XPS	EXTRUDED POLYSTYRENE
				R.O.	ROUGH OPENING		



DWG SET #:  
Preliminary Drawings -- Not For Construction  
DD Package



sdi architects + design  
909 main street  
miles city, montana 59301  
406 . 234 . 0777

Preliminary Drawings -- Not For Construction  
**CITY HALL REMODEL**  
City of Sidney  
115 2nd Street SE, Sidney, MT 59270

Revisions	
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JOB # 2022007	
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DATE 04.17.2023	
Index, Contacts, & Locations	
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**DEMOLITION PLAN NOTES**

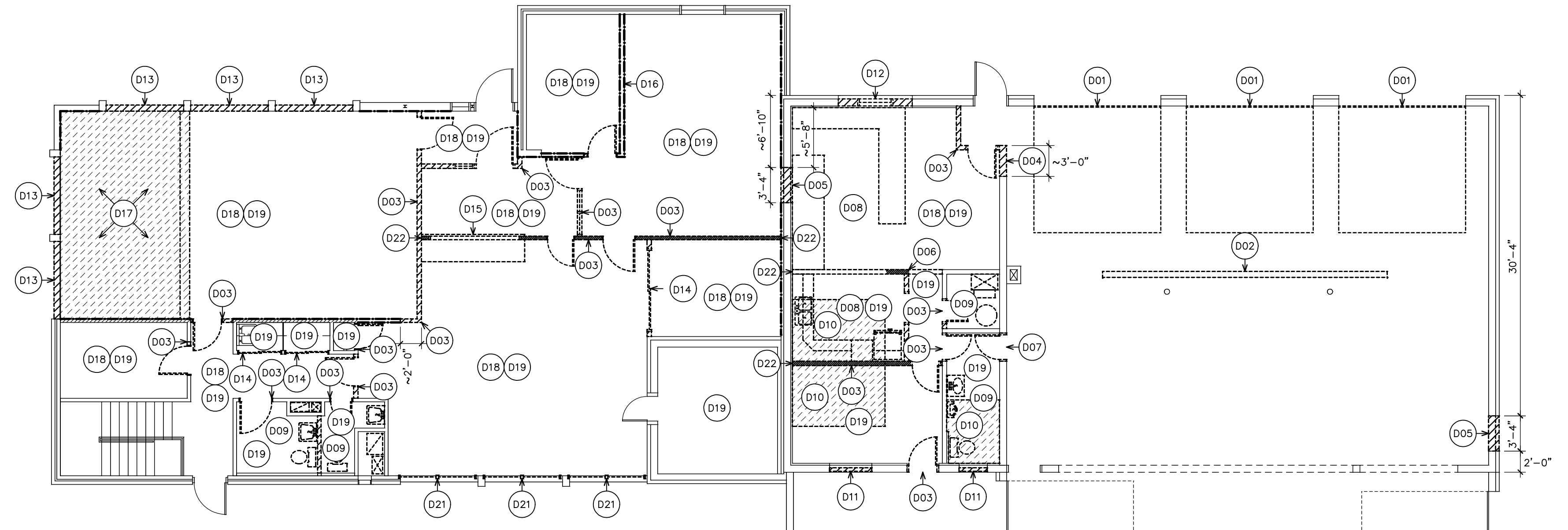
- D01 REMOVE EXISTING GARAGE DOOR; PREP FOR NEW WINDOWS & INFILL
- D02 PLUG EXISTING TRENCH DRAIN PER PLUMBING CODE; GROUT FULL
- D03 REMOVE FRAMED WALL, DOOR FRAME, AND/OR DOOR/LITE
- D04 REMOVE PORTION OF EXISTING MASONRY WALL; SHORE AS NEEDED FOR NEW HEADER
- D05 REMOVE PORTION OF EXISTING WALL; PREP FOR NEW DOOR
- D06 REMOVE EXISTING FRAMED WALL, DOOR FRAME, AND HEADER AROUND KITCHEN AREA
- D07 REMOVE EXISTING DOOR FRAME & DOOR; PREP FOR INFILL
- D08 DISCONNECT EQUIPMENT, THEN REMOVE KITCHEN EQUIPMENT, CABINETS, & COUNTERTOPS
- D09 DISCONNECT/REMOVE EXISTING PLUMBING & HVAC FIXTURES; SEE MEP
- D10 REMOVE FLOOR SLAB AS NEEDED TO MODIFY UNDERSLAB PLUMBING FOR NEW
- D11 REMOVE EXISTING GLASS BLOCK WINDOWS; PREP FOR NEW INFILL
- D12 REMOVE EXISTING WINDOW & INFILL; PREP FOR NEW WINDOW
- D13 REMOVE EXISTING INFILL; PREP FOR NEW WINDOW & INFILL
- D14 REMOVE EXISTING SLIDING DOOR
- D15 REMOVE EXISTING TRANSACTION COUNTER
- D16 HEAVY DASHED LINE INDICATES EXISTING WALL FINISH TO BE REMOVED; PREP FOR NEW
- D17 REMOVE EXISTING FRAMED PLATFORM
- D18 REMOVE EXISTING HARD CEILING TO EXPOSE STRUCTURE IN THIS SPACE; PREP FOR NEW
- D19 REMOVE EXISTING FLOORING IN THIS SPACE; PREP FOR NEW IF APPLICABLE
- D20 REMOVE EXISTING FLOORING IN THIS SPACE; CLEAN & EXPOSE CONCRETE FOR FINAL
- D21 REMOVE EXISTING WINDOW; PREP FOR NEW
- D22 EXISTING WALL IS A BEARING WALL; SHORE AS NEEDED BEFORE REMOVING

**GENERAL DEMOLITION NOTES:**

- A. PATCH ALL DISTURBED SURFACES IN PERMANENT REMODEL AREA FOR FINAL FINISH
- B. PLUG AND PATCH OVER ALL PLUMBING THAT IS NOT REUSED
- C. EXISTING MECHANICAL, ELECTRICAL, & PLUMBING SYSTEMS TO BE REMOVED ACCORDINGLY
- D. FLOORING TO BE REMOVED TO EXISTING SUBSTRATE (CONCRETE) AND PREPPED FOR NEW

\*\*\* THE CONTRACTOR SHALL BE COGNIZANT THAT THIS IS A REMODELING PROJECT AND AS SUCH, CERTAIN ITEMS CANNOT BE FULLY ILLUSTRATED NOR EXPLAINED WITHOUT FIELD OBSERVATION. THEREFORE, THE CONTRACTOR SHALL VISIT AND EXAMINE THE SITE AND BUILDING IN EVERY DETAIL AS PERTAINS TO THIS PROJECT AND MAKE ALLOWANCES IN HIS PROPOSAL FOR ALL CONDITIONS THAT WILL AFFECT THE WORK INDICATED IN THE CONTRACT DOCUMENTS.

\*\*\* ALL EXISTING WOOD DOORS/FRAMES & LITES TO BE SALVAGED AND GIVEN TO OWNERS



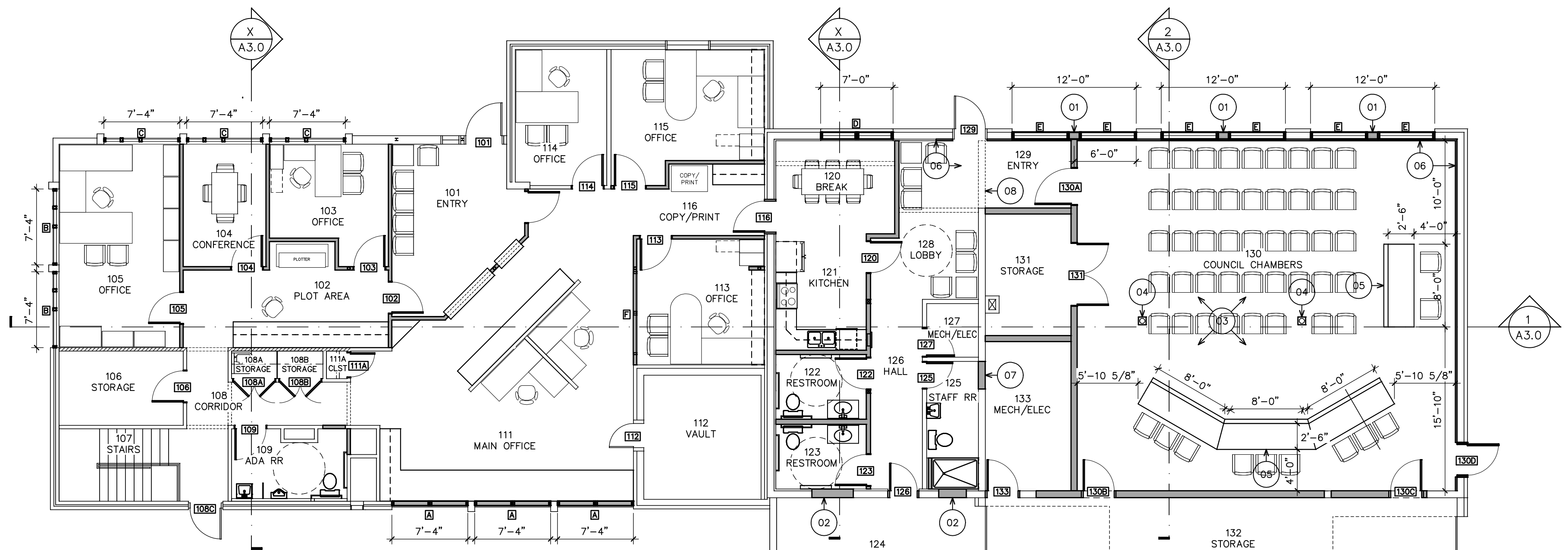
**N 1 - Main Level Demolition Plan**

SCALE 1/8" = 1'-0"

**FLOOR PLAN NOTES**

- 01 INFILL EXISTING GARAGE DOOR PER X/AX.X
- 02 INFILL EXISTING WINDOW PER X/AX.X
- 03 EXISTING FLOOR IS SLOPED TO DRAIN; LEVEL OUT AS NEEDED FOR NEW FLOORING
- 04 WRAP EXISTING COLUMN PER X/AX.X
- 05 NEW COUNCIL DESKS W/ BULLET-RESISTANT FRONTS PER X/AX.X
- 06 FURRED WALLS AROUND PERIMETER PER X/AX.X
- 07 INFILL EXISTING WINDOW PER X/AX.X
- 08 NEW HEADER ABOVE CEILING PER X/AX.X
- 09 .
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- 11 .
- 12 .
- 13 .
- 14 .
- 15 .
- 16 .

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**N 1 - Main Level Floor Plan**

SCALE 1/8" = 1'-0"



**Revisions**


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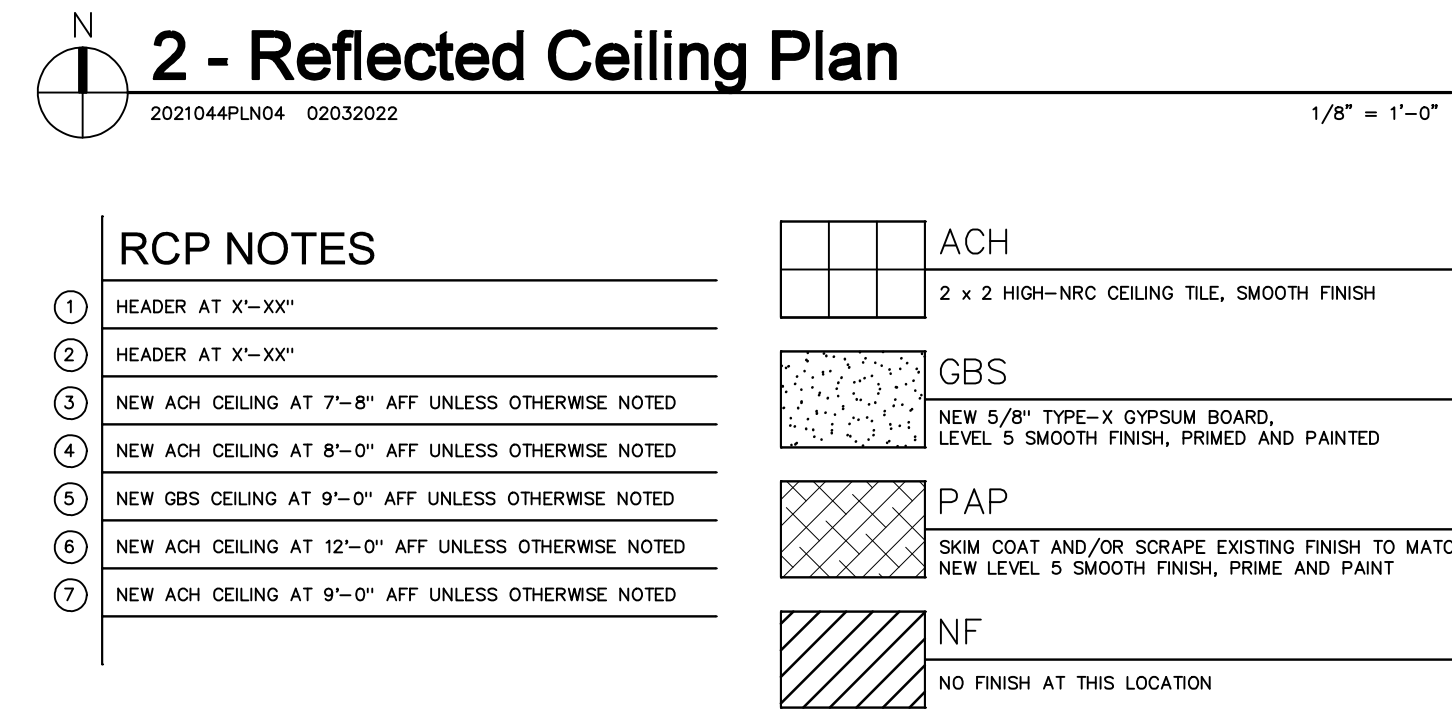
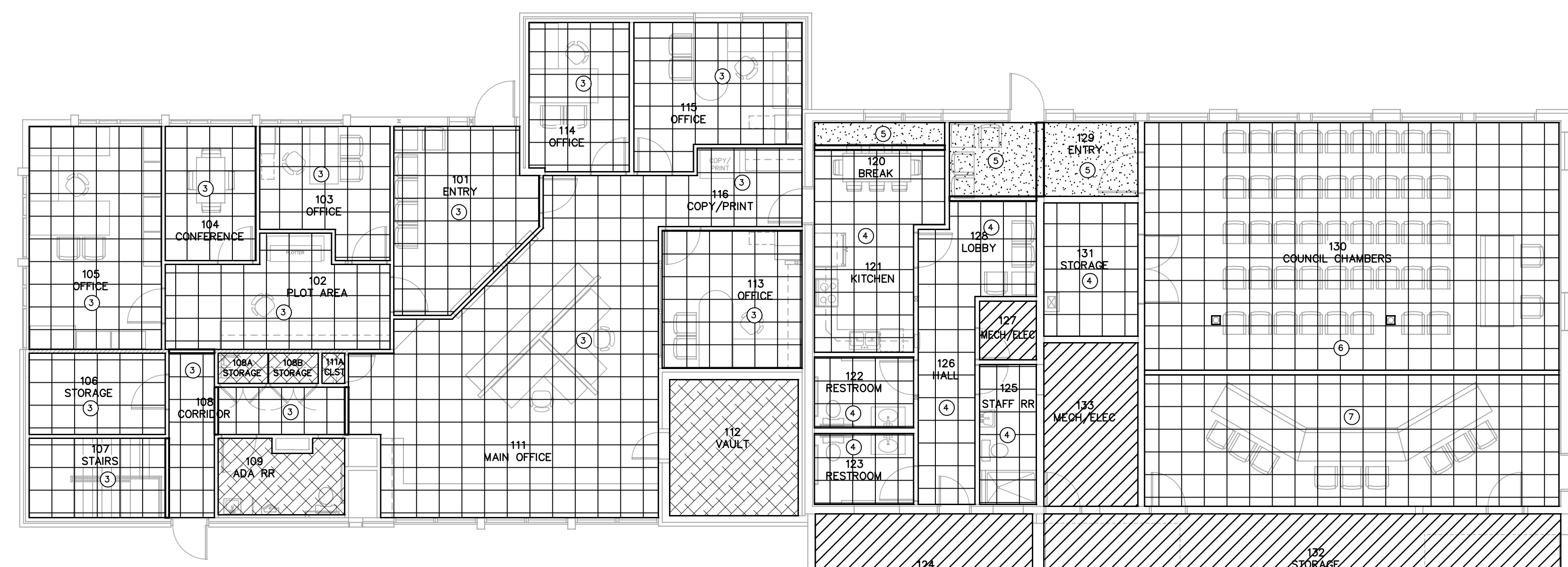
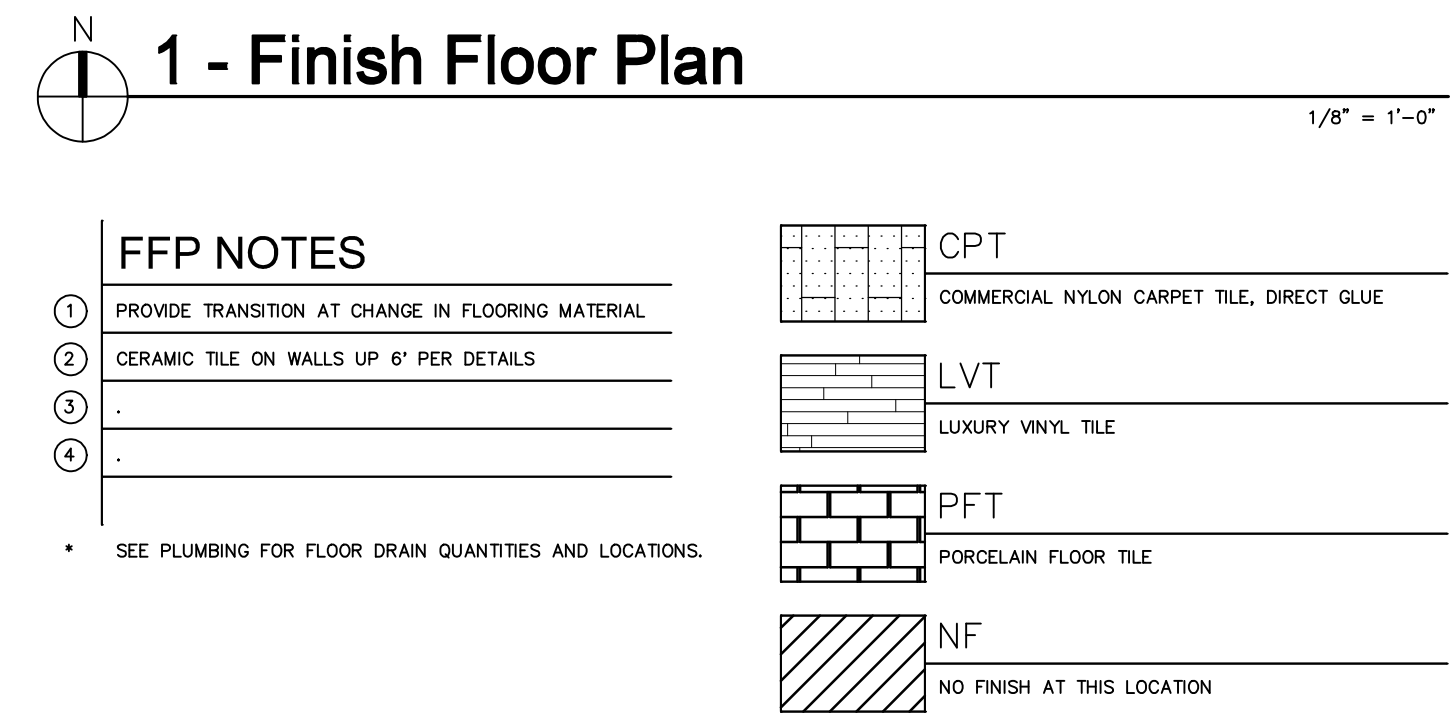
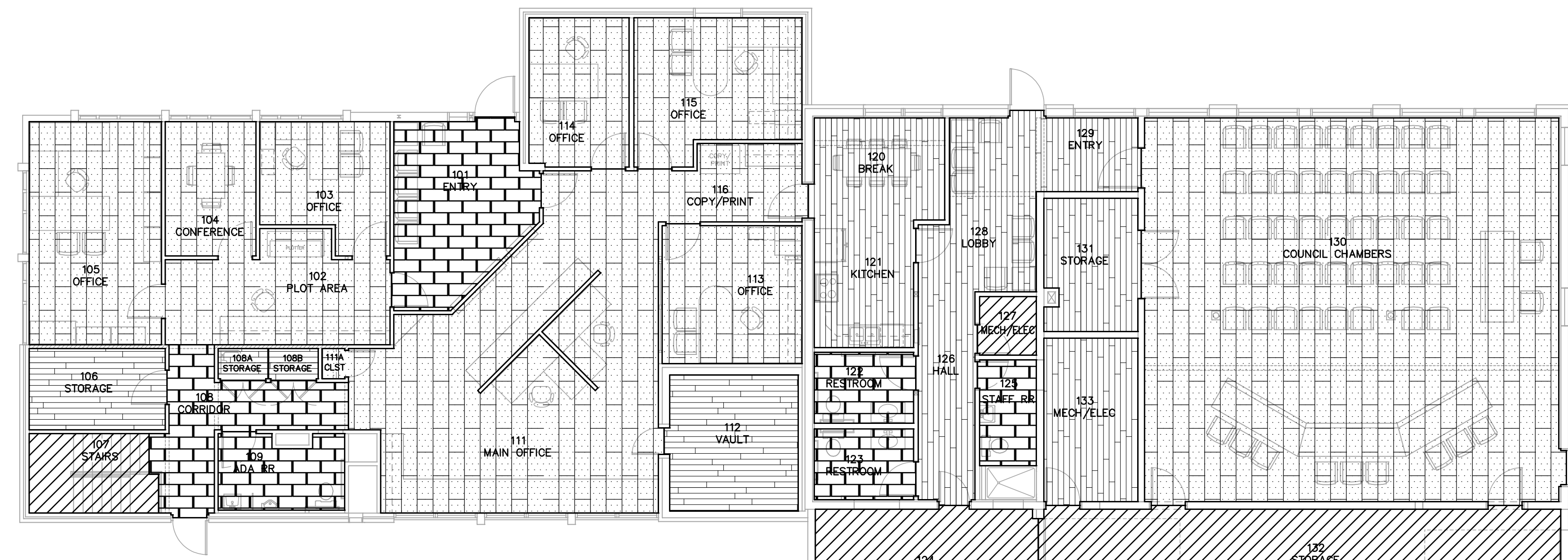
Demolition  
& Floor Plans

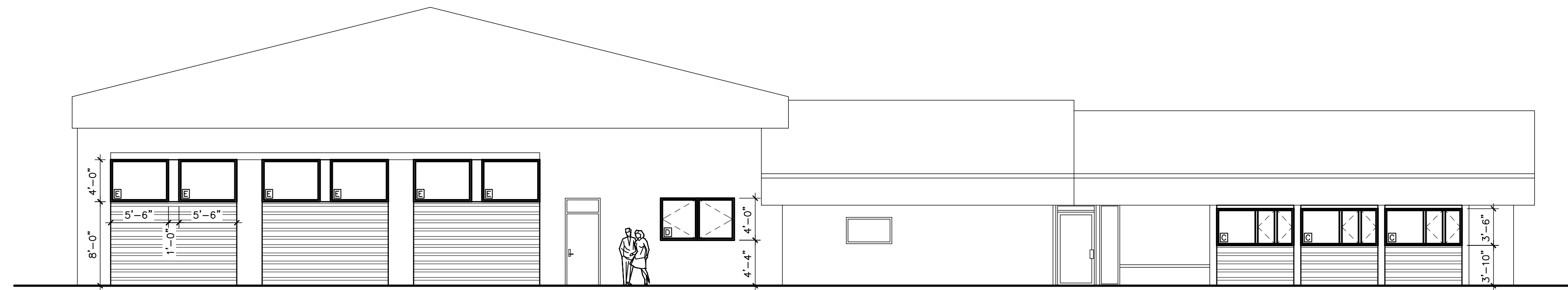
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Preliminary Drawings - Not For Construction

ROOM FINISH SCHEDULE											
RM #	ROOM NAME	APPROX. SF	FLOOR	BASE	COUNTER	WALL FINISH				CLG FIN	REMARKS
						NORTH	EAST	SOUTH	WEST		
101	ENTRY	165	PFT	PFT6	--	RWP	RWP	GBS	GBS	ACH	
102	PLOT AREA	165	CPT	RB4	--	GBS	GBS	RWP	GBS	ACH	
103	OFFICE	120	CPT	RB4	--	RWP	GBS	GBS	GBS	ACH	
104	CONFERENCE	95	CPT	RB4	--	RWP	GBS	GBS	GBS	ACH	
105	OFFICE	230	CPT	RB4	--	RWP	GBS	RWP	RWP	ACH	
106	STORAGE	90	LVT	RB4	--	PAP	PAP	PAP	PEB	ACH	1
107	STAIRS	115	NF	NF	--	PAP	--	NF/PAP	NF/PAP	ACH	
108	CORRIDOR	75	PFT	PFT6	--	PAP	PAP	PAP	PAP	ACH	
108A	STORAGE	12	LVT	RB4	--	PAP	PAP	PAP	PAP	PAP	
108B	STORAGE	12	LVT	RB4	--	PAP	PAP	PAP	PAP	PAP	
109	ADA RESTROOM	48	PFT	PFT6	--	PWT/PAP	PWT/PAP	PWT/PAP	PWT/PAP	PAP	
111	MAIN OFFICE	620	CPT	RB4	SS	RWP/PAP/GBS	GBS/PEB	GBS/PEB	PAP/RWP/GBS	ACH	
111A	CLOSET	6	CPT	RB4	--	PAP	PAP	PAP	PAP	GBS	
112	VAULT	136	LVT	RB4	--	PAP	PAP	PAP	PAP	PAP	
113	OFFICE	150	CPT	RB4	--	GBS	RWP	PEB	GBS	ACH	
114	OFFICE	116	CPT	RB4	--	PEB	RWP	PEB/RWP	PEB	ACH	
115	OFFICE	175	CPT	RB4	--	PEB	RWP	GBS	RWP	ACH	
116	COPY/PRINT	80	CPT	RB4	SS	GBS	RWP	GBS	--	ACH	
120	BREAK	105	LVT	RB4	--	PAP	GBS	GBS	PAP	ACH/GBS	
121	KITCHEN	100	LVT	RB4	SS	--	GBS	GBS	PAP	ACH	
122	RESTROOM	55	PFT	--	SS	PWT/GBS	PWT/GBS	PWT/GBS	PWT/PAP	ACH	
123	RESTROOM	55	PFT	--	SS	PWT/GBS	PWT/GBS	PWT/GBS	PWT/PAP	ACH	
124	STORAGE	765	NF	NF	--	NF	NF	NF	NF	NF	
125	STAFF RESTROOM	62	PFT	--	--	PWT/PAP	PWT/PAP	PWT/PAP	PWT/PAP	ACH	
126	HALL	122	LVT	RB4	--	--	PAP	PAP	GBS	ACH	
127	MECHANICAL / ELECTRICAL	25	NF	NF	--	NF	NF	NF	NF	NF	
128	LOBBY	120	LVT	RB4	--	GBS/PAP	PAP	PAP	GBS	ACH	
129	ENTRY	60	LVT	RB4	--	GBS	GBS	GBS	GBS	GBS	
130	COUNCIL CHAMBERS	1245	CPT	RB4	--	WW/GBS	WW/GBS	WW/GBS	WW/GBS	ACH	
131	STORAGE	100	NF	NF	--	GBS	GBS	GBS	PEB	ACH	
132	STORAGE	1278	NF	NF	--	GBS	NF	NF	NF	NF	
133	MECHANICAL / ELECTRICAL	120	NF	RB4	--	GBS	GBS	GBS	PEB	NF	

FLOOR LEGEND	
CPT	COMMERCIAL CARPET TILE, DIRECT GLUE
LVT	LUXURY VINYL TILE
PFT	PORCELAIN FLOOR TILE
NF	NO NEW FINISH AT THIS LOCATION
BASE LEGEND	
NF	NO NEW FINISH AT THIS LOCATION
PFT6	PORCELAIN FLOOR TILE (TO MATCH ADJACENT FLOORING), UP 6" AND CAPPED WITH SCHLUTER JOLLY EDGE OR EQUAL
RB4	4" HIGH RUBBER BASE, "TARKETT TRADITIONAL" VINYL 1/8" OR EQUAL
COUNTER	
PLM	PLASTIC LAMINATE COUNTERTOPS, 4" H BACKSPASH, LOTICORP GEM-LOCK T-PROFILE SOLID SURFACE EDGES
SS	SOLID SURFACE COUNTERTOP, 4" H BACKSPASH, EASED EDGES, CORIAN OR EQUAL
WALL LEGEND	
GBS	NEW 5/8" TYPE-X GYPSUM BOARD OR G-P DENSGLASS DEPENDING ON LOCATION, LEVEL 5 SMOOTH WALL FINISH, PRIMED AND PAINTED
NF	NO NEW FINISH AT THIS LOCATION
PAP	SKIM COAT EXISTING WALL AND REFINISH TO MATCH NEW LEVEL 5 SMOOTH WALL FINISH, PRIMED AND PAINTED
PEB	PAINT EXISTING BRICK AND/OR CMU BLOCK
PWT	PORCELAIN WALL TILE, UP 6'-0" AFF, CAPPED WITH SCHLUTER JOLLY EDGE OR EQUAL
RWP	REMOVE EXISTING WOOD PANELING, INSTALL NEW 5/8" TYPE-X GYPSUM BOARD OR G-P DENSGLASS DEPENDING ON LOCATION, LEVEL 5 SMOOTH WALL FINISH, PRIMED AND PAINTED
WW	WOOD WAINSCOT, UP 4'-0". SEE INTERIOR ELEVATIONS FOR DETAILS
-E	SUFFIX DENOTES EPOXY PAINT FINISH
CEILING LEGEND	
ACH	ACOUSTIC CEILING TILE, HIGH NRC, 2' x 2' x 3/4"
GBS	REMOVE EXISTING ACOUSTIC CEILING TILE AND GYPSUM BOARD, REPLACE WITH NEW 5/8" TYPE-X GYPSUM BOARD, LEVEL 5 SMOOTH CEILING FINISH, PRIMED AND PAINTED
NF	NO NEW FINISH AT THIS LOCATION
NOTES	
1.	REMOVE EXISTING PLAM WAINSCOT PANEL, PATCH AND PAINT GYP BOARD WALL BEHIND
2.	RETAIN RFP PANEL, PATCH AND PAINT WALLS ABOVE
3.	
PAINTER NOTES	
1.	WOOD DOORS WILL COME PRE-FINISHED, NO WORK BY PAINTER
2.	CLAD WOOD WINDOWS WILL COME PRE-FINISHED, NO WORK BY PAINTER
3.	





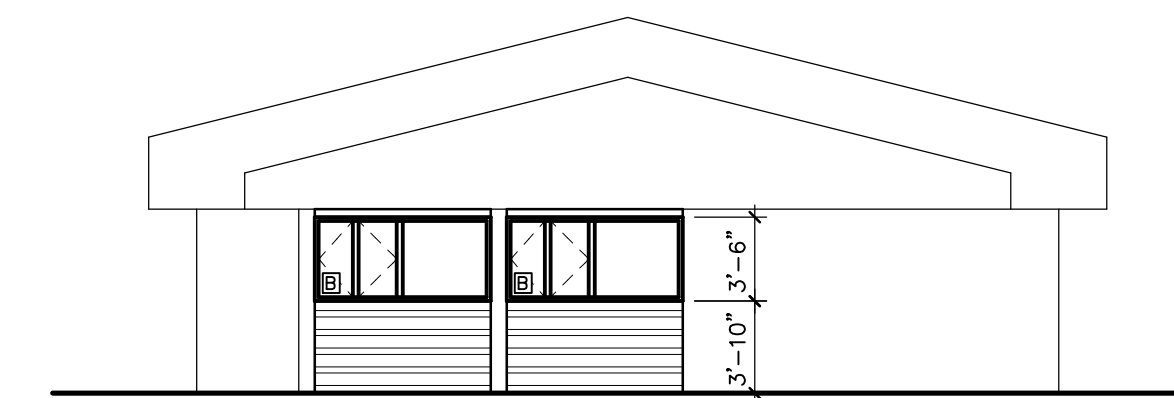
1 - North Elevation

SCALE 1/8" = 1'-0"



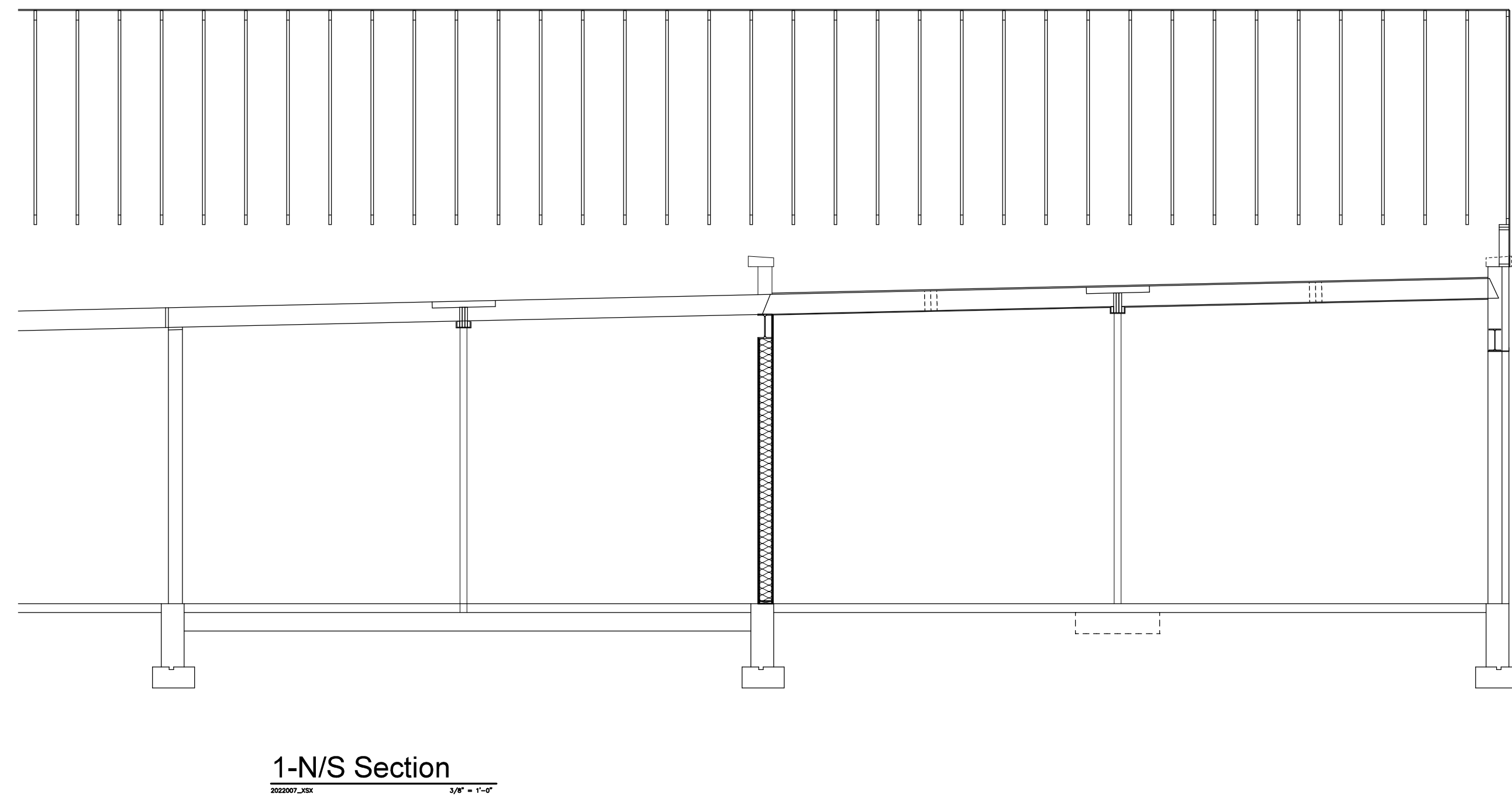
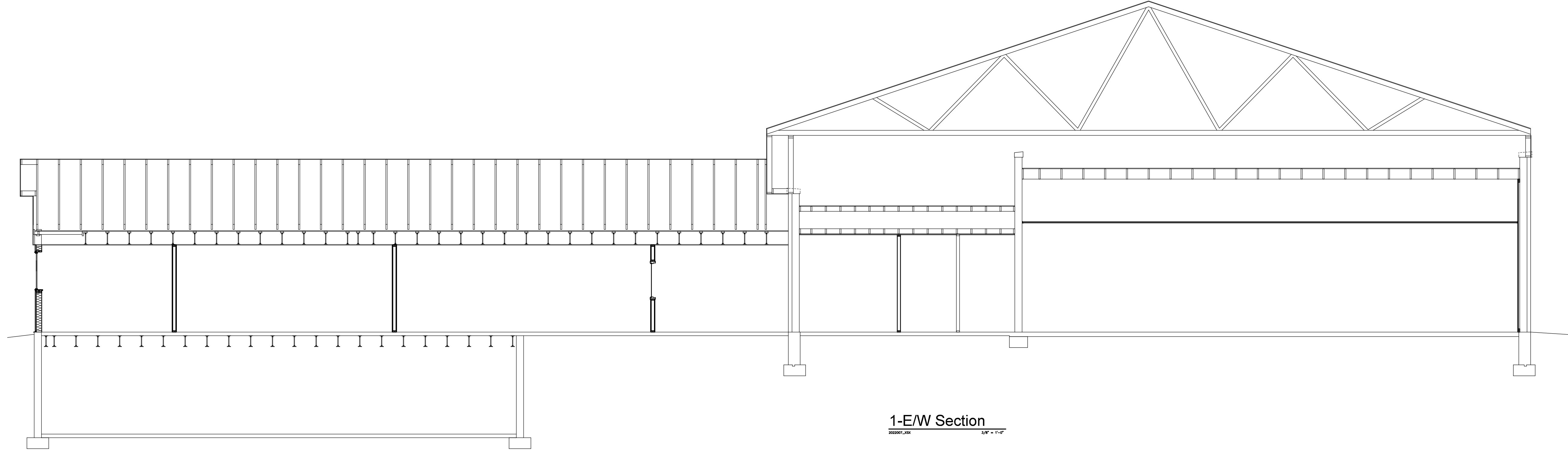
2 - South Elevation

SCALE 1/8" = 1'-0"



3 - West Elevation

SCALE 1/8" = 1'-0"



Preliminary Drawings -- Not For Construction

sdi architects + design  
909 main street  
miles city, montana 59301  
406 . 234 . 0777



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City of Sidney  
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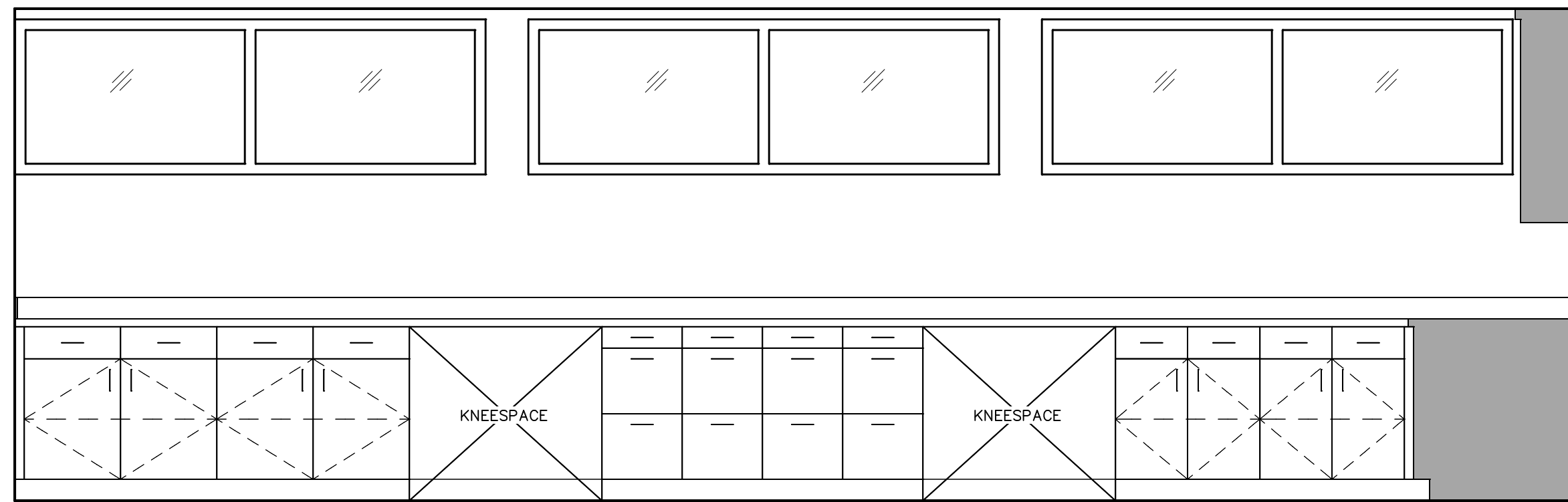
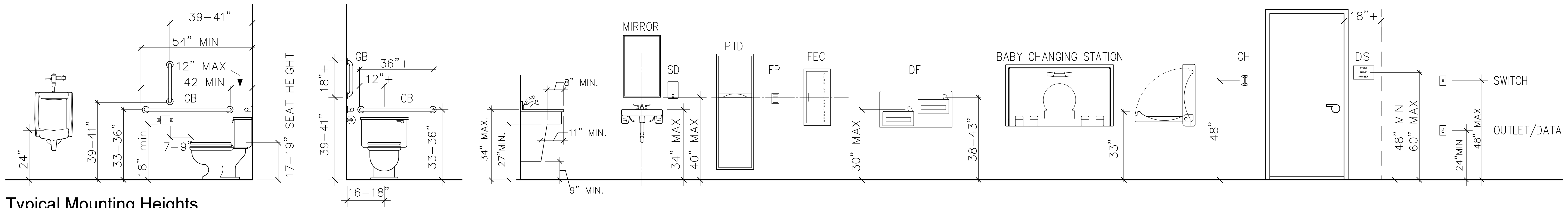
Revisions	

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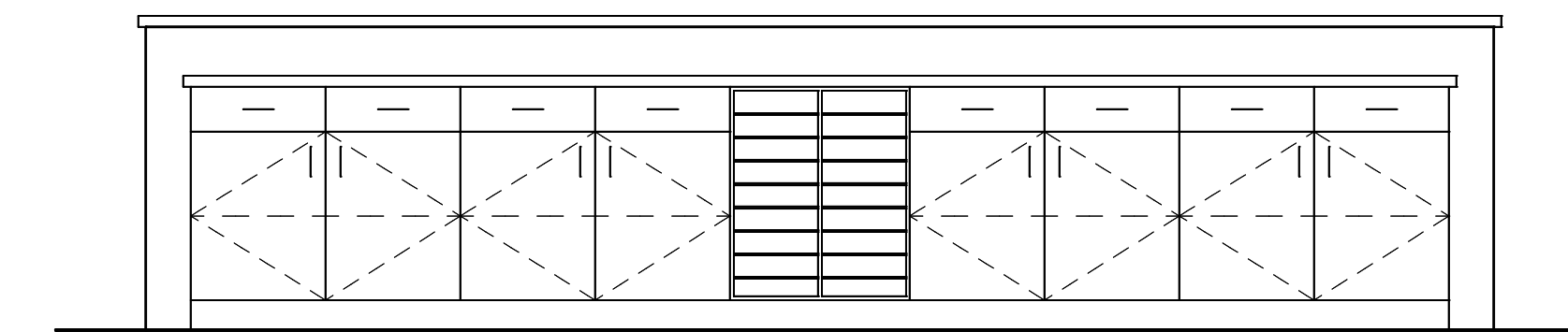
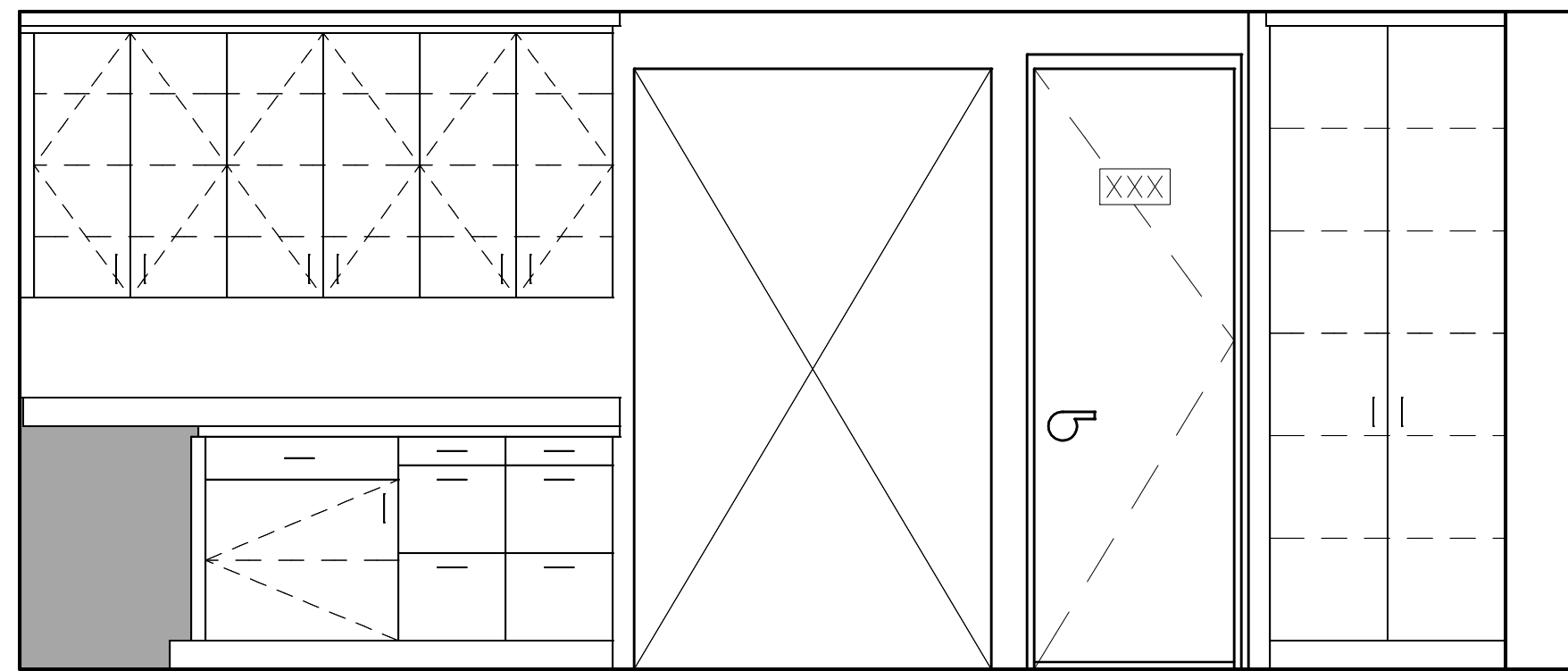
Building Sections

A3.0

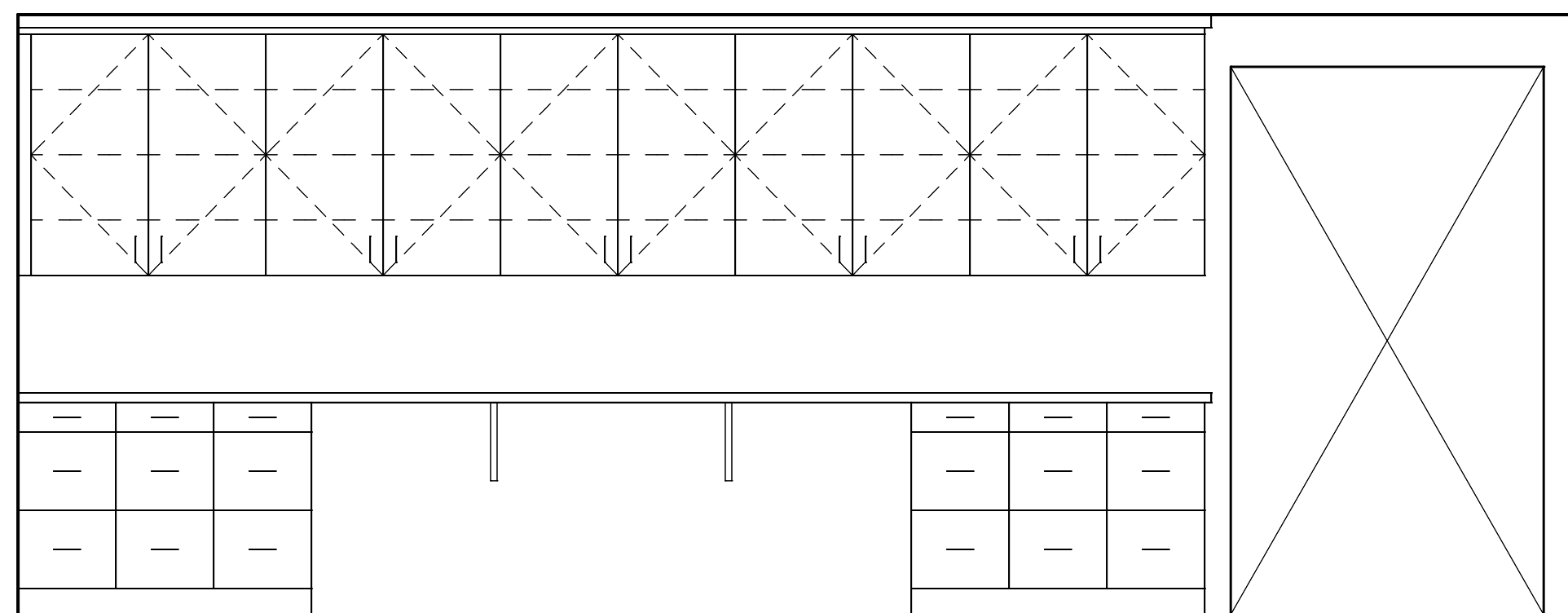
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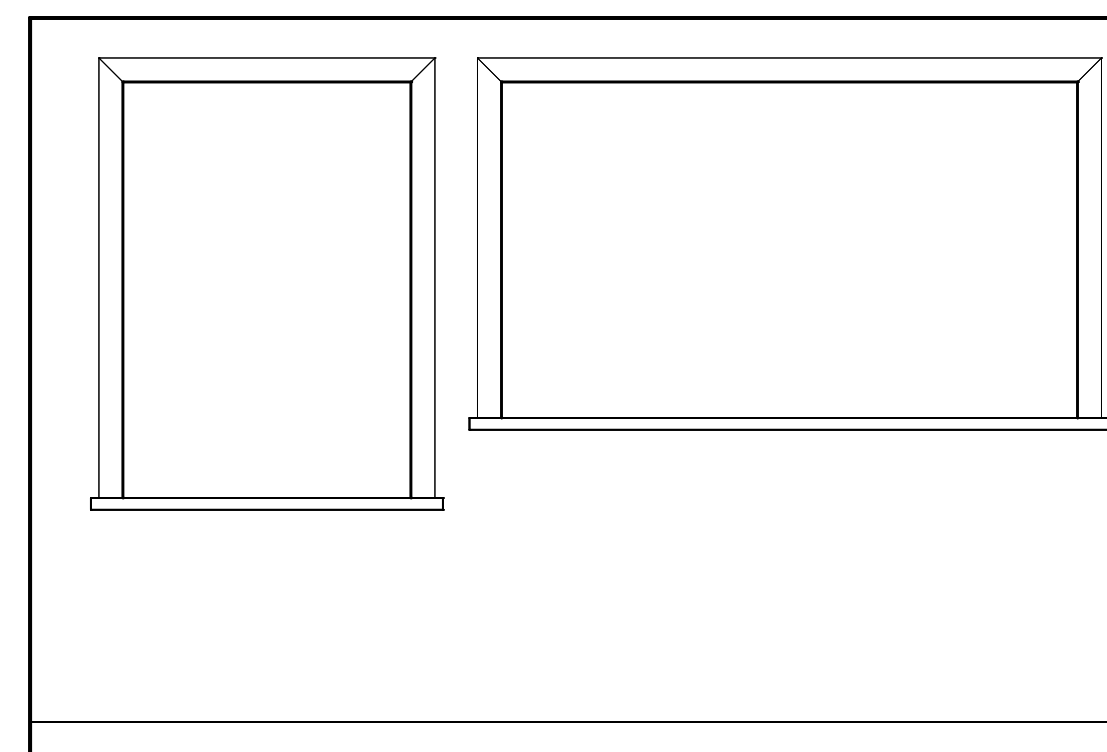
1 111 Main Office



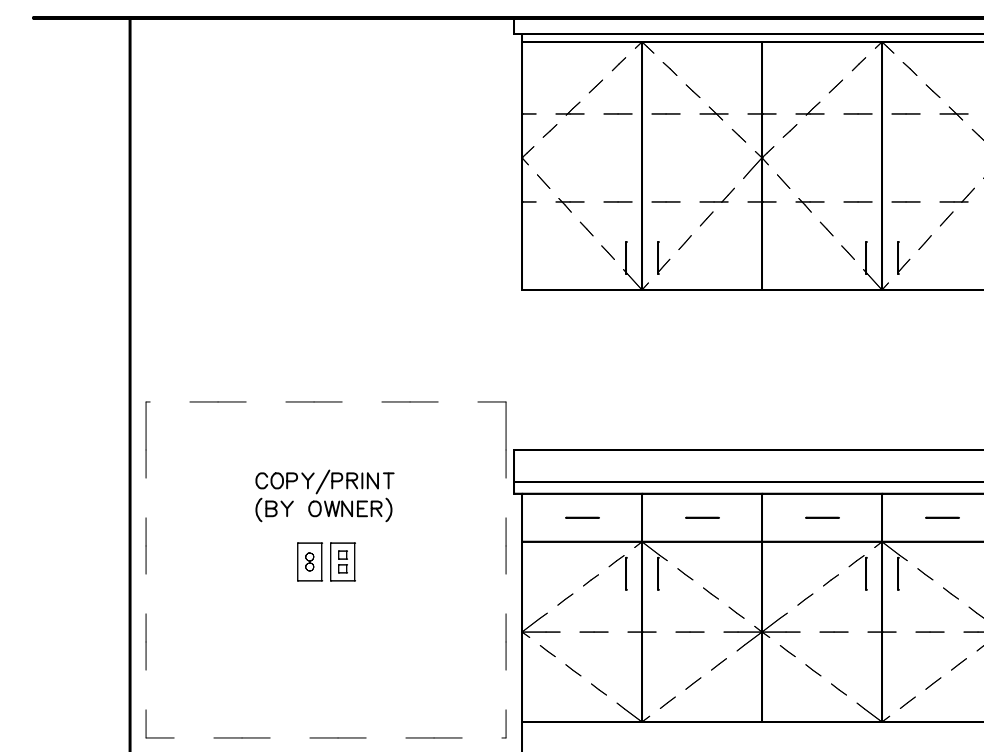
2 111 Main Office - Island



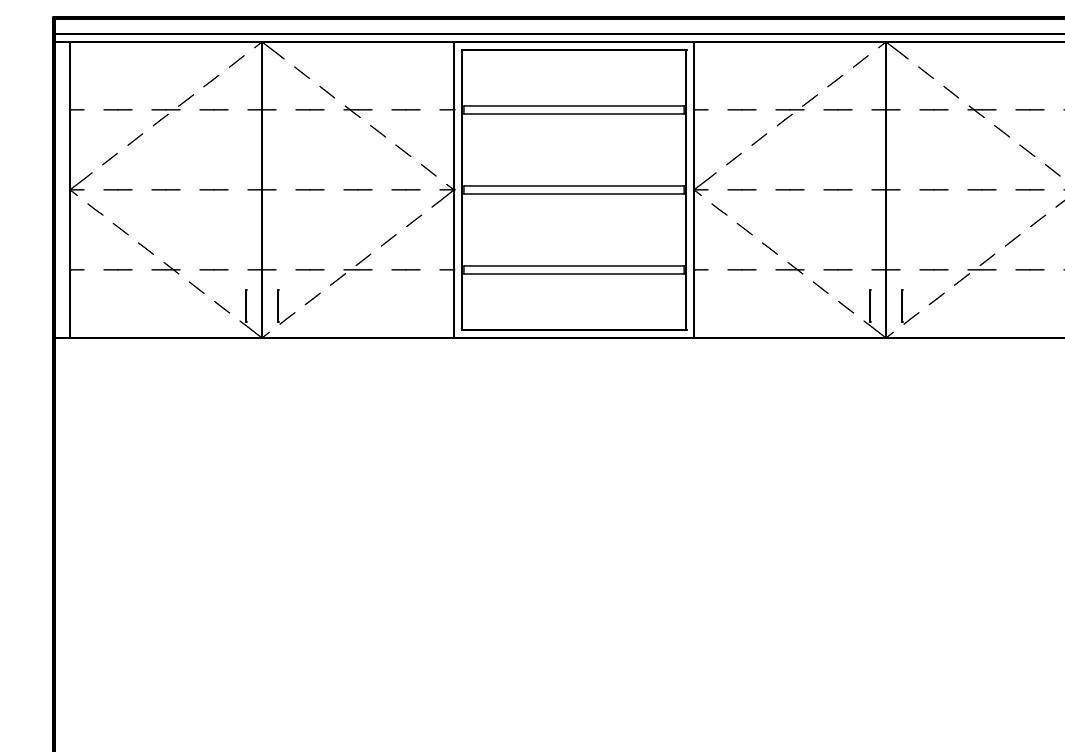
3 102 Plot Area



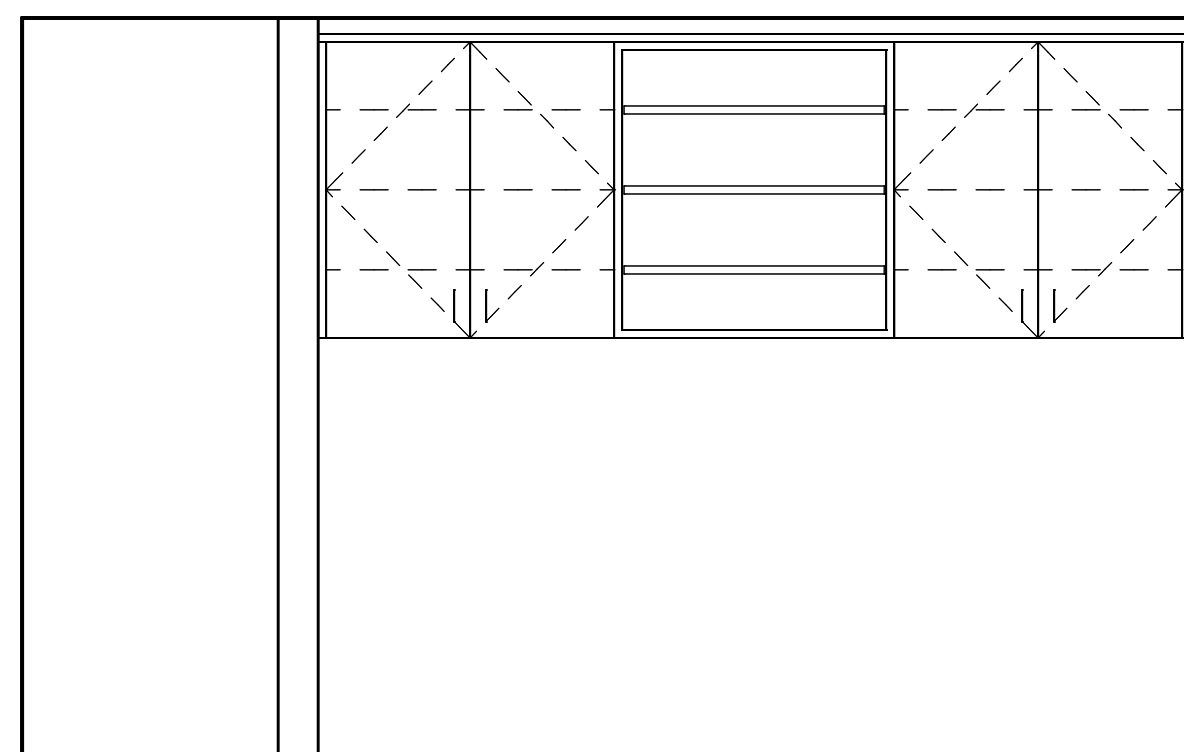
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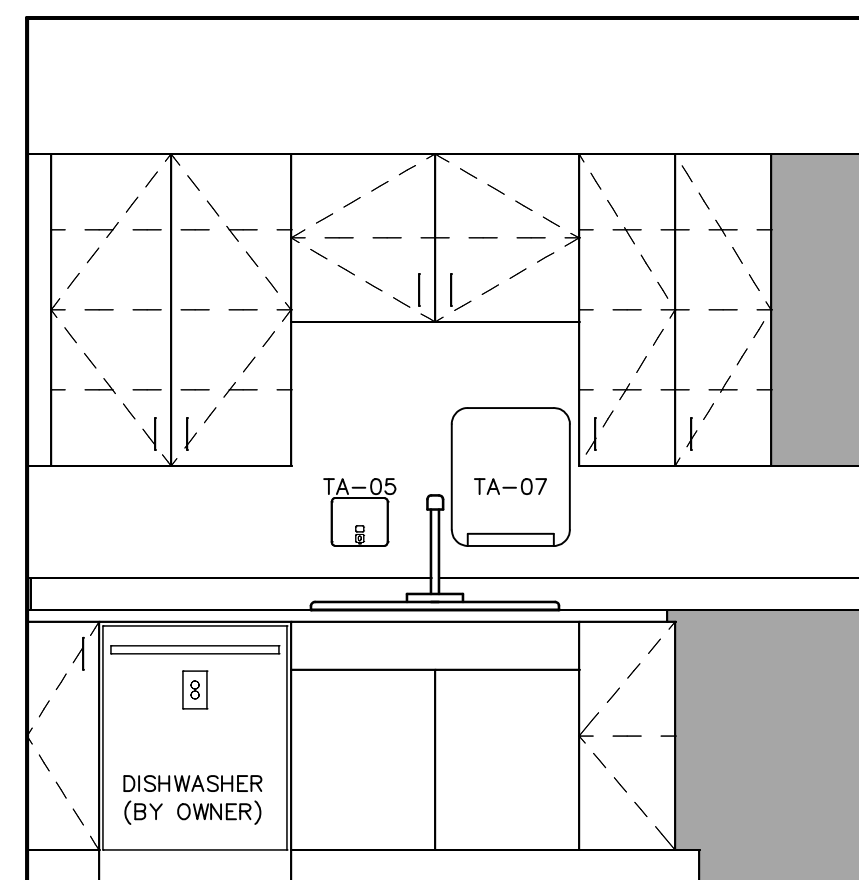
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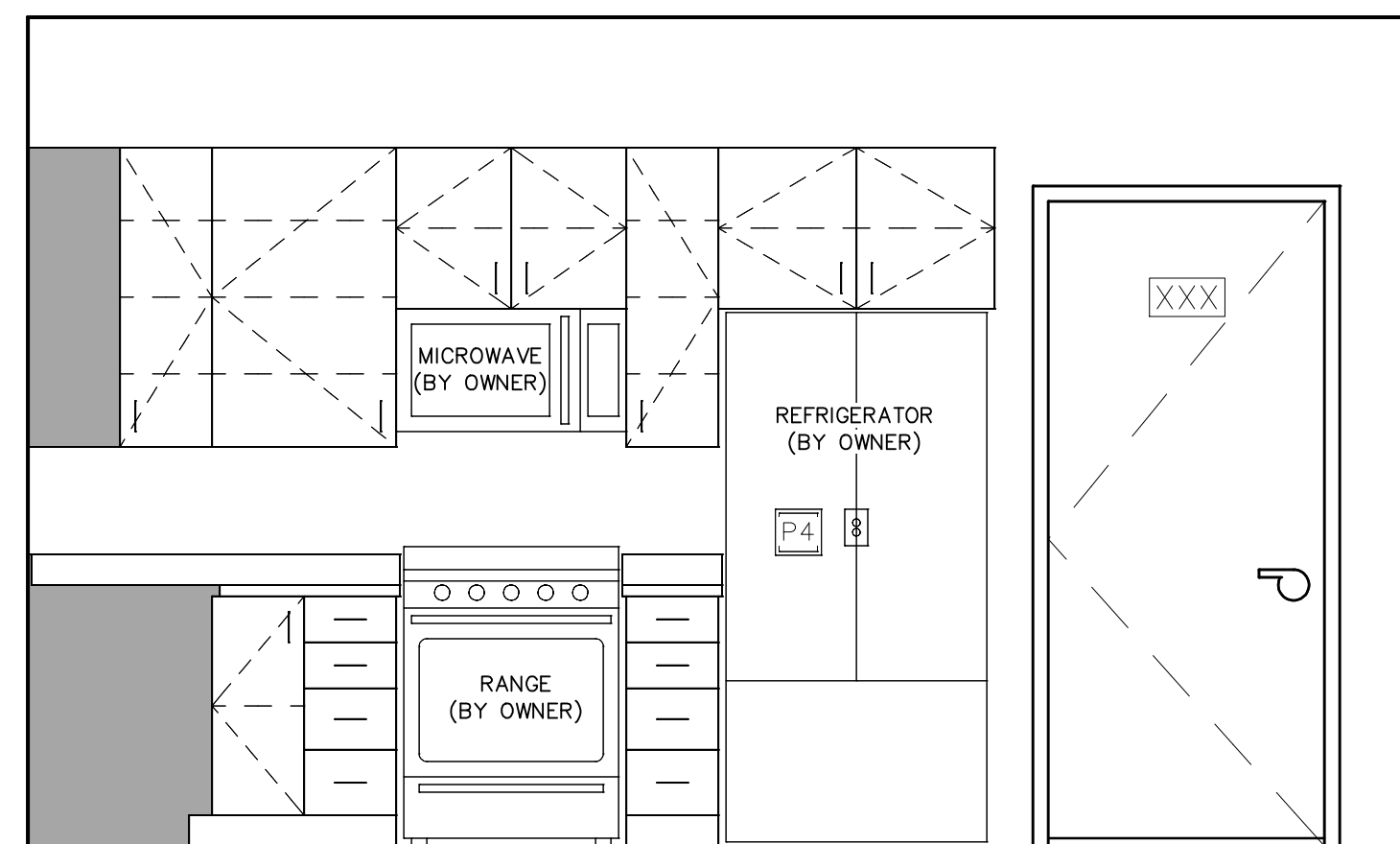
6 115 Office



7 113 Office

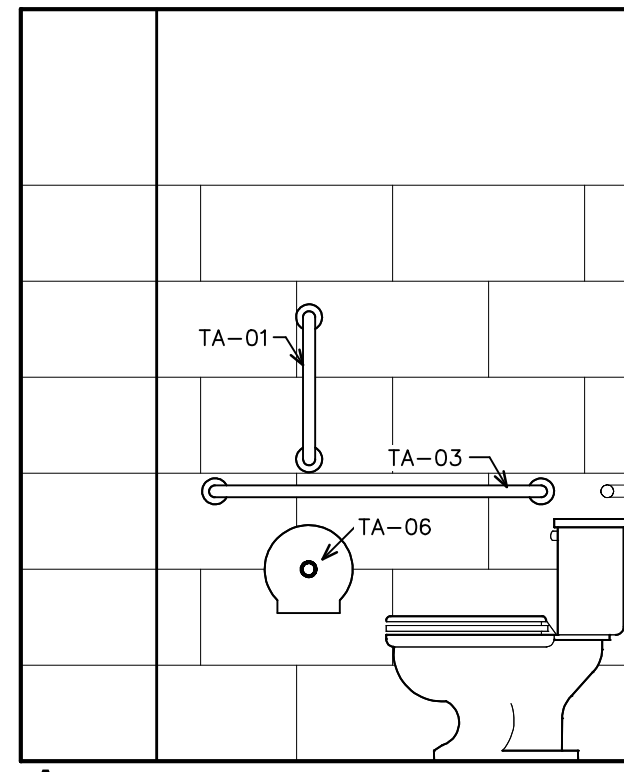


8 121 Kitchen

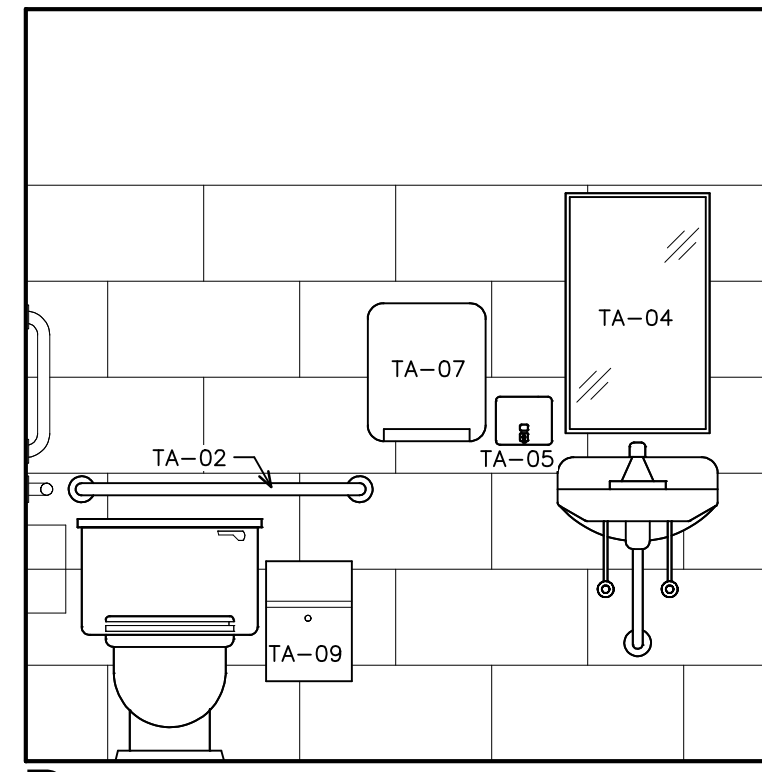


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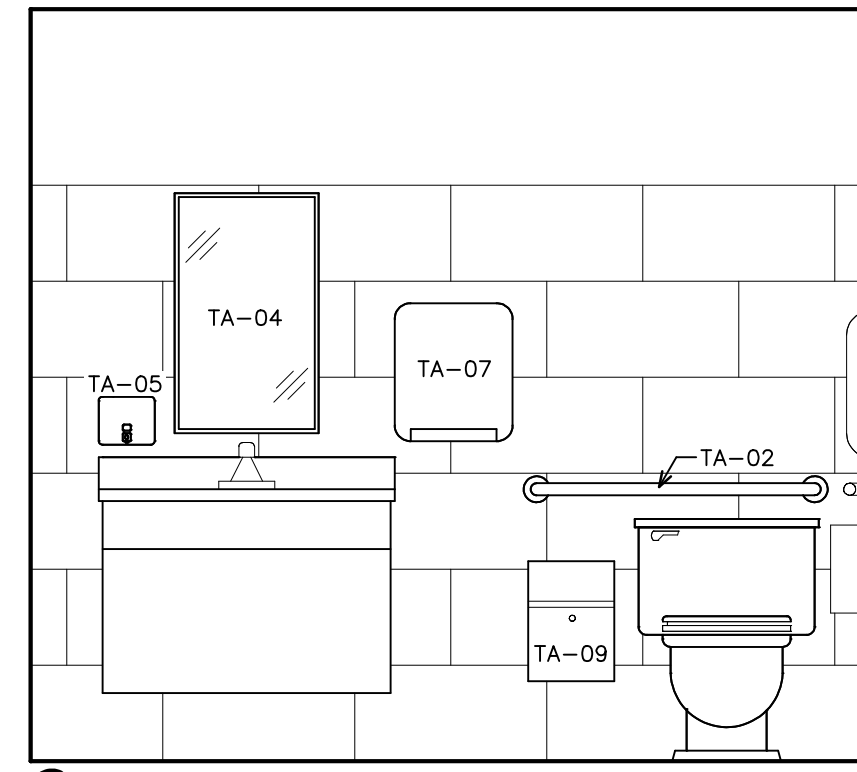
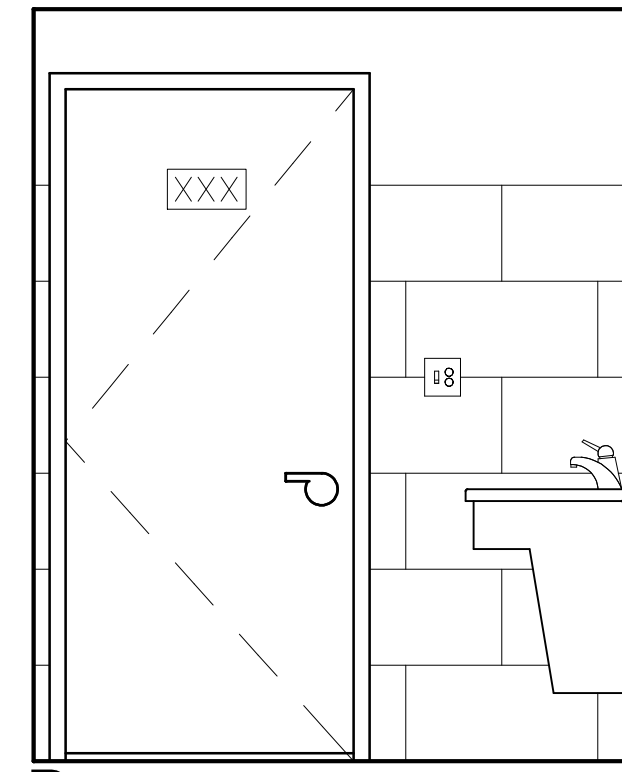
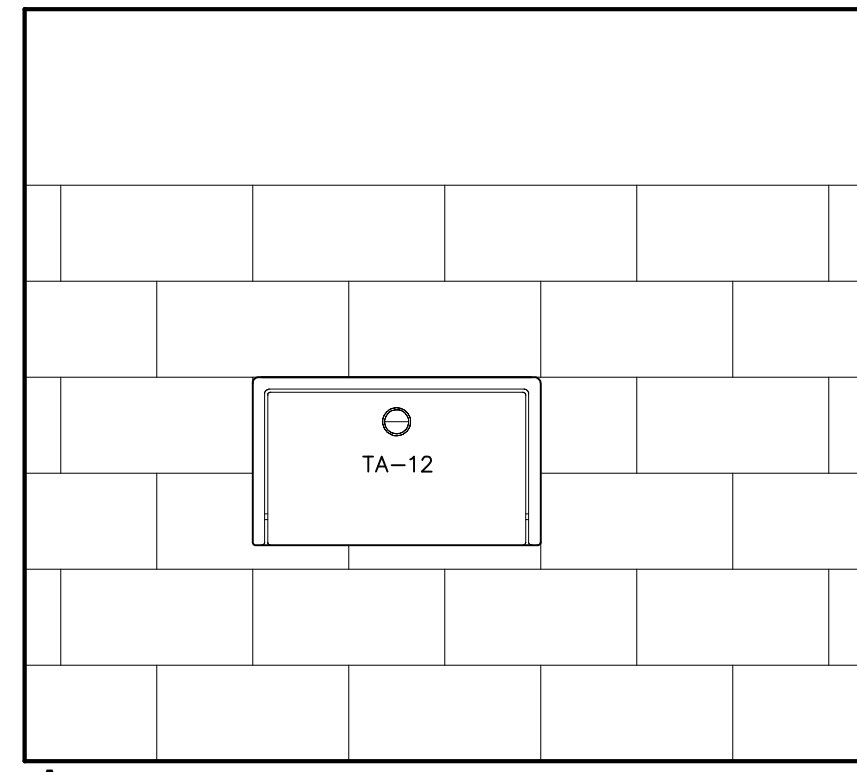
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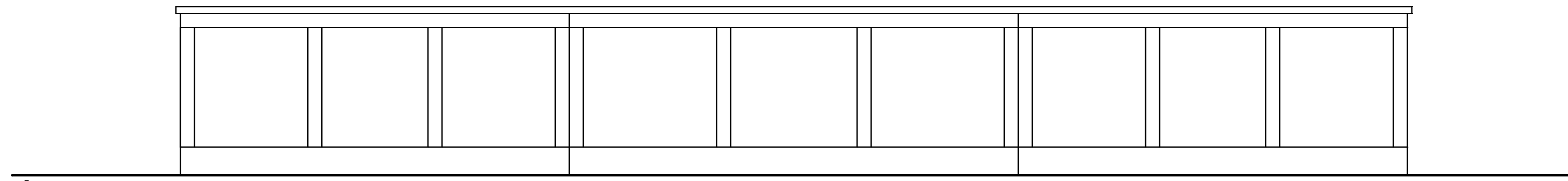
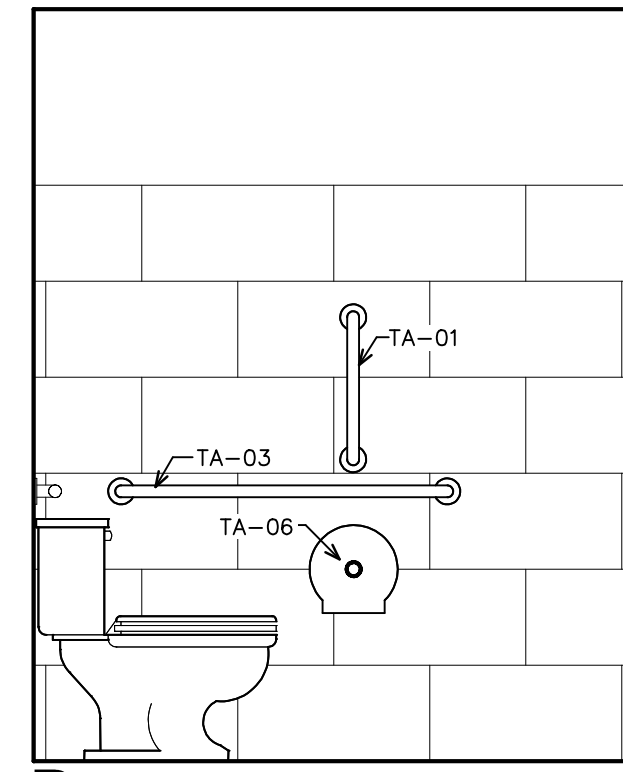
**1** 109 ADA Restroom



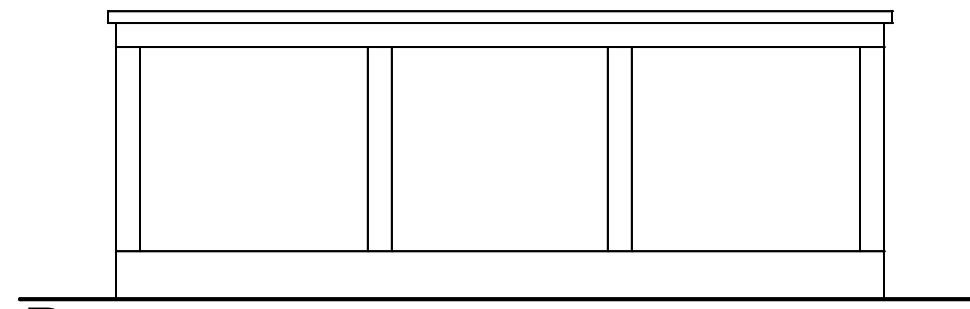
**2** 122 Restroom (123 Mirrored)



**3** 130 Council Chambers



**4** 130 Council Chambers



**4** 130 Council Chambers



MECHANICAL SPECIFICATIONS:

23.00 GENERAL: ALL WORK SHALL BE PERFORMED BY OR DIRECTLY SUPERVISED BY AN EXPERIENCED AND SKILLED CRAFTSMAN IN THE TRADE. ALL WORK SHALL BE NEAT, CLEAN AND PROFESSIONAL. LOOKING UNSATISFACTORY INSTALLATION IDENTIFIED BY OWNER, GC SHALL REPLACE AT THE CONTRACTOR'S EXPENSE WITHOUT IMPACT TO THE CONSTRUCTION SCHEDULE.

23.20.00 PIPING: PIPING SYSTEMS (NOT SLOPED PIPING I.E. -WASTE, DRAIN OR STORM) SHALL BE ROUTED TIGHT TO STRUCTURE ABOVE OR HIGH AS POSSIBLE IF NOT PHYSICALLY CAPABLE OF BEING ROUTED TIGHT TO STRUCTURE UNLESS NOTED OTHERWISE.

23.30.00 DUCTWORK: DUCT PRESSURE CLASSES: 1.1. SUPPLY DUCTWORK SHALL BE CONSTRUCTION TO +2"WC. PRESSURE CLASS 1.2. RETURN & EXHAUST DUCTWORK SHALL BE CONSTRUCTED TO -1"WC 1.3. GENERAL EXHAUST DUCTWORK SHALL BE CONSTRUCTED TO +1.0"WC PER SMACNA'S DEFINITIONS. SEE DETAILS FOR GREASE DUCTWORK REQUIREMENTS.

23.50.00 & 23.55.00 MECHANICAL & PLUMBING EQUIPMENT:

1. NEW EQUIPMENT IS DENOTED BY XX-# SEE SCHEDULES & DETAILS. NEW EQUIPMENT MANUFACTURER & MODEL NUMBERS LISTED IN SCHEDULES & NOTES DEFINE PERFORMANCE, PHYSICAL AND QUALITY REQUIREMENTS. THE CONTRACTOR SHALL VERIFY ANY CHANGES TO EQUIPMENT LISTED MEET OR EXCEED THOSE REQUIREMENTS CONTRACTOR IS RESPONSIBLE TO REPLACE EQUIPMENT AS HIS EXPENSE IF ALTERNATE EQUIPMENT IS PURCHASED & INSTALLED WHICH FAILS TO MEET PROJECT REQUIREMENTS.

23.60.00 INSULATION: 1. INSULATION SHALL BE FORMALDEHYDE FREE 2. INSULATION PRODUCTS SHALL BE UL 723/ASTM E84 LISTED. 3. PROVIDE PIPE INSULATION AS FOLLOWS:

23.65.00 IDENTIFICATION: 1. COMPLY WITH ASME A13.1 FOR IDENTIFICATION AND COLOR. 2. PROVIDE MARKERS AND LABELS FOR PIPE, DUCTWORK AND EQUIPMENT LOCATED INDOORS, 3. PROVIDE PAINTED STENCILS FOR PIPE, DUCTWORK AND EQUIPMENT LOCATED OUTDOORS OR WHERE SYSTEMS ARE EXPOSED TO WEATHER. PAINT SHALL BE SUITABLE FOR EXTERNAL APPLICATION.

23.90.00 TEMPERATURE CONTROLS: 1. SPACE TEMPERATURE SENSORS/STATS SHALL BE MOUNTED TO MEET ADA MOUNTING HEIGHT. 2. WHERE THERMOSTATS OR TEMP SENSOR ARE LOCATED ON BUILDING STEEL OR ON EXTERIOR WALLS PROVIDE AN INSULATED SUBBASE FOR THE THERMOSTAT AND SILICON CAULK HOLES THROUGH SUBBASE FOR WIRING TO MAKE BACKING AIRTIGHT.

23.91.00 TESTING & FLUSHING: 1. TEST ALL DOMESTIC & SANITARY PIPING TO THE REQUIREMENTS OF THE IPC. 2. FLUSH AND SANITIZE DOMESTIC WATER SYSTEMS (CW, HW, HWC) PER THE REQUIREMENTS OF THE CITY OF RIVERTON, WYOMING DEQ & IPC. HAVE STERILIZATION WITNESS BY GC OR OWNER. FLUSHING SHALL MEET GUIDELINES SET IN AWWA 651-05.

23.99.00 MECHANICAL CLOSURES: 1. PROVIDE (1) ELECTRONIC COPY IN PDF FORMAT AND (1) PHYSICAL COPY IN BINDER INCLUDING CUTSHEETS, SUBMITTAL DATA, & IOM DOCUMENTATION TO OWNER. SUBMIT AN ELECTRONIC COPY TO ENGINEER.

DESIGN CONDITIONS: PROJECT ALTITUDE: 3600' ALL EQUIPMENT MUST BE SELECTED WITH ALTITUDE CORRECTIONS AS NECESSARY. WINTER DESIGN CONDITION: OUTDOOR -25F / 80%RH ROOM 70F & NO HUMIDITY CONTROL/REQUIREMENT

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

Table with columns: TAG, FIXTURE, MANUFACTURER, FIXTURE, TRIM, SUPPLIES, TRAP/WASTE, DRAIN, CW, HW/TEMP, WASTE, VENT, NOTES/REMARKS. Includes items like BOTTLE FILL STATION, ELECTRIC WATER COOLER, FLOOR DRAIN, GARBAGE DISPOSER, ICE MAKER BOX, LAVATORY, DBL COMP SINK, ADA SHOWER SURROUND, WATER CLOSET, etc.

LEGEND: FM = FLOOR MOUNTED, WM = WALL MOUNTED, CT = COUNTERTOP, ADA = ADA APPROVED INSULATION ON HW, CW & SAN AS APPROPRIATE. CP = CHROME PLATED, TP = TRAP PRIMER, PA = PRESSURE ASSIST, CM = CEILING MOUNTED, ADA = AMERICANS WITH DISABILITIES ACT

CEILING EXHAUST FANS

Table with columns: ITEM, ACFM, STATIC PRESSURE, SOUND, ELECTRICAL, ACCESSORIES, MANUFACTURER & MODEL, NOTES, CONTROL. Includes items EF-1 through EF-6.

SPLIT SYSTEM FURNACE & CONDENSING UNIT SCHEDULE

Table with columns: ITEM, TYPE, AREA SERVED, AFUE, CFM, OSA, ESP, HEATING CAPACITY, ELECTRICAL, MANUFACTURER, NOTES, CONTROL. Includes items F-1, F-2, F-3.

Table with columns: INDOOR, OUTDOOR, SERVICE, SEER, CONDENSING UNIT CAPACITY, CLG COL DATA, ELECTRICAL, MANUFACTURER & MODEL NO., NOTES, CONTROLS. Includes items CC-1, CC-2, CC-3.

1. PROVIDE CAGED COIL, THERMAL EXPANSION VALVE PER FACTORY SIZING. PROVIDE CONDENSATE DRAIN W/ 2" P-TRAP AND COLD WEATHER HARD START KIT. SEE CONDENSATE DRAIN DETAIL. PROVIDE DUCT TRANSITIONS AS REQUIRED FROM FURNACE TO COIL. PROVIDE FACTORY LINESET OR ACR COPPER TUBING. MOUNT UNIT ON CONC PAD OR EQUIPMENT BASE 3" ABOVE GRADE.

OUTSIDE AIR JUSTIFICATION

Table with columns: ROOM CHARACTERISTICS, NATURAL VENTILATION, MECHANICAL VENTILATION (OSA), EXHAUST. Includes items like 122 RR, 123 RR, 125 RR, 130 CHAMBERS, etc.

KITCHEN HOOD EXHAUST

Table with columns: ITEM, TYPE, ACFM, DISCHARGE, LIGHTING, SOUND, ELECTRICAL, MANUFACTURER & MODEL, NOTES, CONTROL. Includes item KH-1.

SPLIT SYSTEM FURNACE & CONDENSING UNIT SCHEDULE

Table with columns: ITEM, TYPE, AREA SERVED, AFUE, CFM, OSA, ESP, HEATING CAPACITY, ELECTRICAL, MANUFACTURER, NOTES, CONTROL. Includes items F-1, F-2, F-3.

Table with columns: INDOOR, OUTDOOR, SERVICE, SEER, CONDENSING UNIT CAPACITY, CLG COL DATA, ELECTRICAL, MANUFACTURER & MODEL NO., NOTES, CONTROLS. Includes items CC-1, CC-2, CC-3.

STATIONARY LOUVER SCHEDULE

Table with columns: ITEM, SERVICE, CFM, MAX DP, MAX VELOCITY, MIN FREE AREA, SIZE (IN), MANUFACTURER & MODEL #, NOTES. Includes items SL-1, SL-2, SL-3.

GENERAL MECHANICAL

CONTROLS (IN PLAN) ROOM TEMPERATURE SENSOR W/ USER INTERFACE. HVAC LEGEND: SUPPLY OR OSA DUCT (UP & DOWN), RETURN DUCT (UP & DOWN), ROUND DUCT (UP & DOWN), CEILING MOUNTED GRD, EXHAUST, RETURN OR TRANSFER, DUCTWORK DIMENSIONAL DATA & TYPE.

PIPE SYMBOLS

TOP CONNECTION, 45° OR 90°, BOTTOM CONNECTION, 45° OR 90°, SIDE CONNECTION, RISE OR DROP IN PIPE, UNION, PIPE UP, PIPE DOWN, THERMOMETER, PRESSURE GAGE.

PIPE SYSTEM LEGEND

DOMESTIC COLD WATER, DOMESTIC HOT WATER, SANITARY SEWER, STORM WATER, STORM WATER, DRAIN LINE, NATURAL GAS, REVERSE OSMOSIS TREATED WATER, SANITARY VENT.

VALVE SYMBOLS

CHECK VALVE, BALL VALVE, PRESSURE RELIEF VALVE, MANUAL AIR VENT, TEST PLUG (PRESSURE/TEMPERATURE), AUTOMATIC AIR VENT, PLUG VALVE, WYE STRAINER (WITH BALL VALVE & HOSE CONNECTION).

GENERAL REQUIREMENTS:

AUTHORITY HAVING JURISDICTION: CITY OF SIDNEY MT. ENFORCED CODES: 2021 INTERNATIONAL FUEL GAS CODE, 2021 INTERNATIONAL MECHANICAL CODE, 2021 INTERNATIONAL PLUMBING CODE, 2021 INTERNATIONAL FIRE CODE, 2021 INTERNAL ENERGY CONSERVATION CODE.

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MECHANICAL SCHEDULES

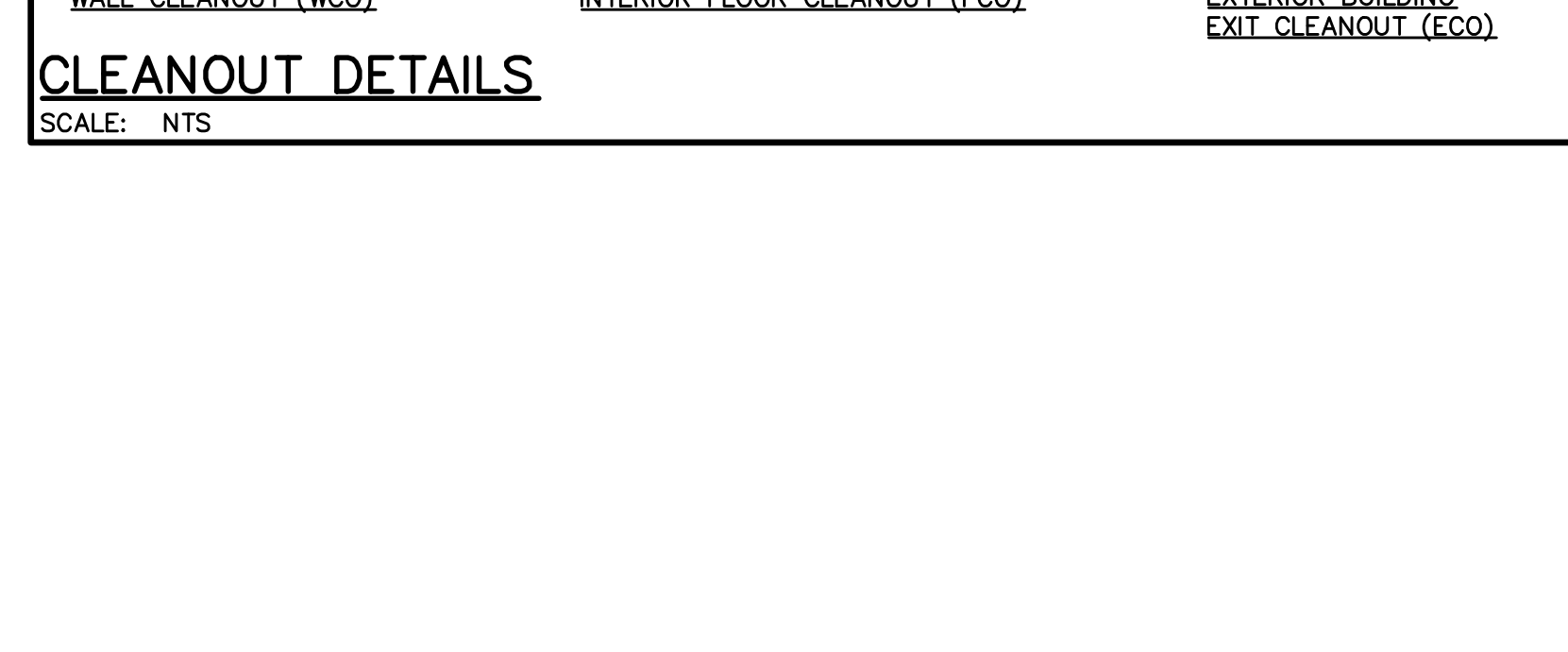
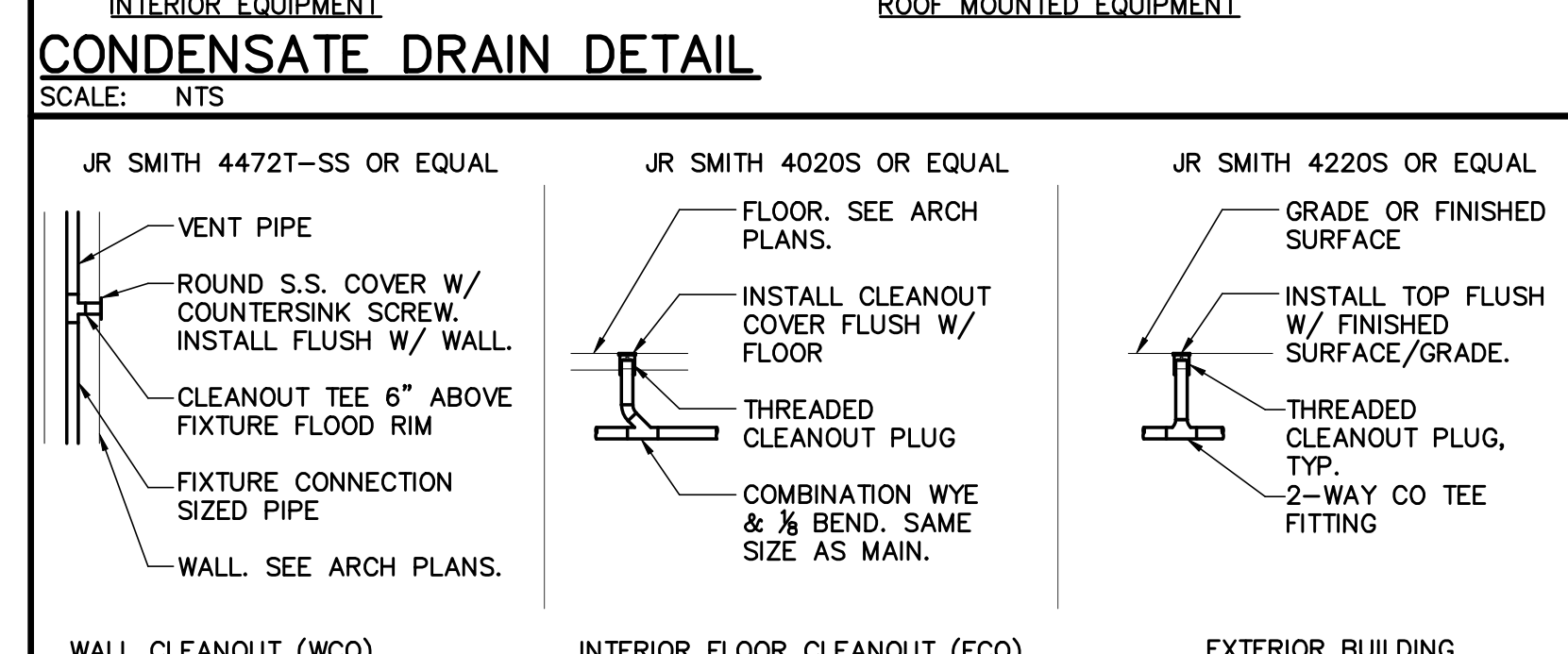
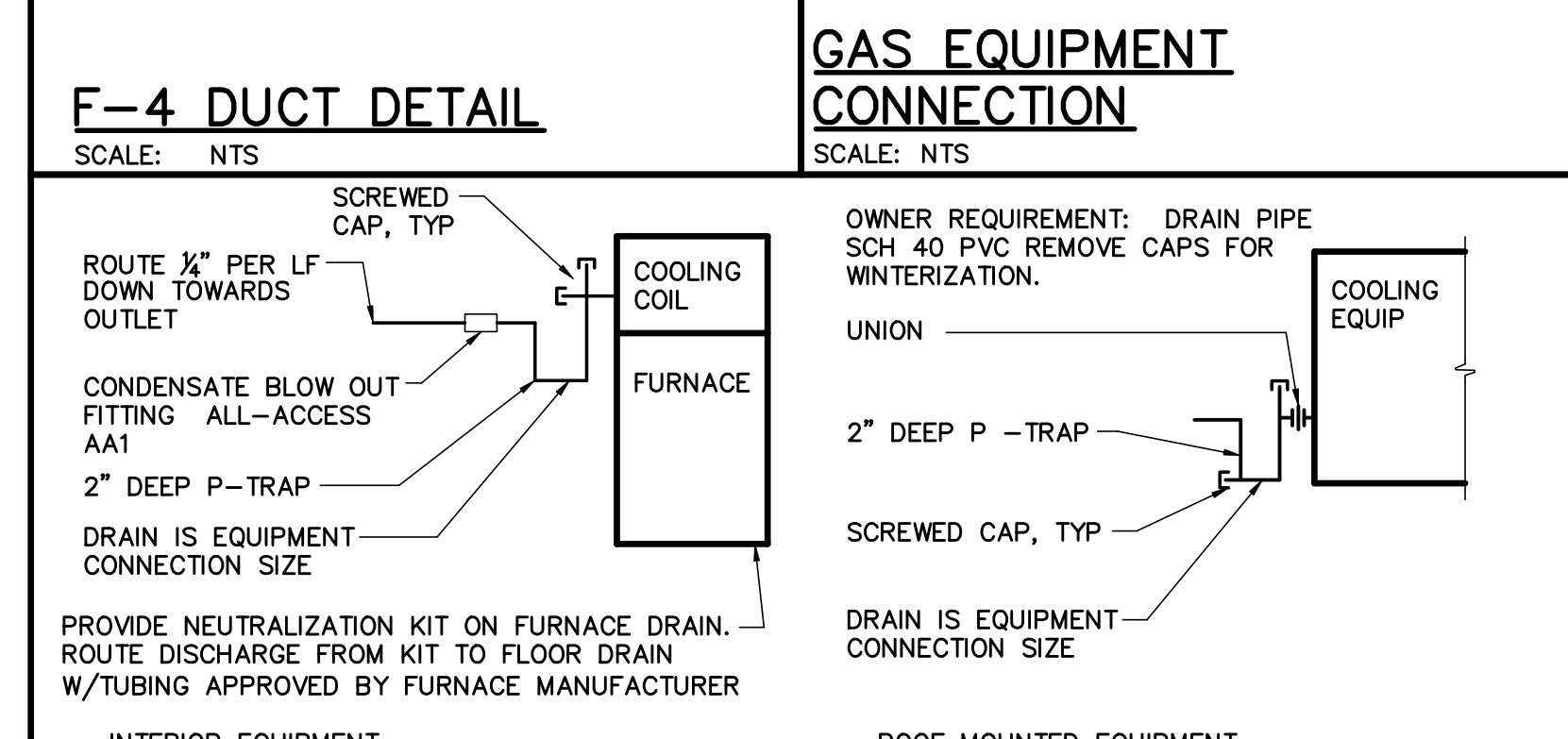
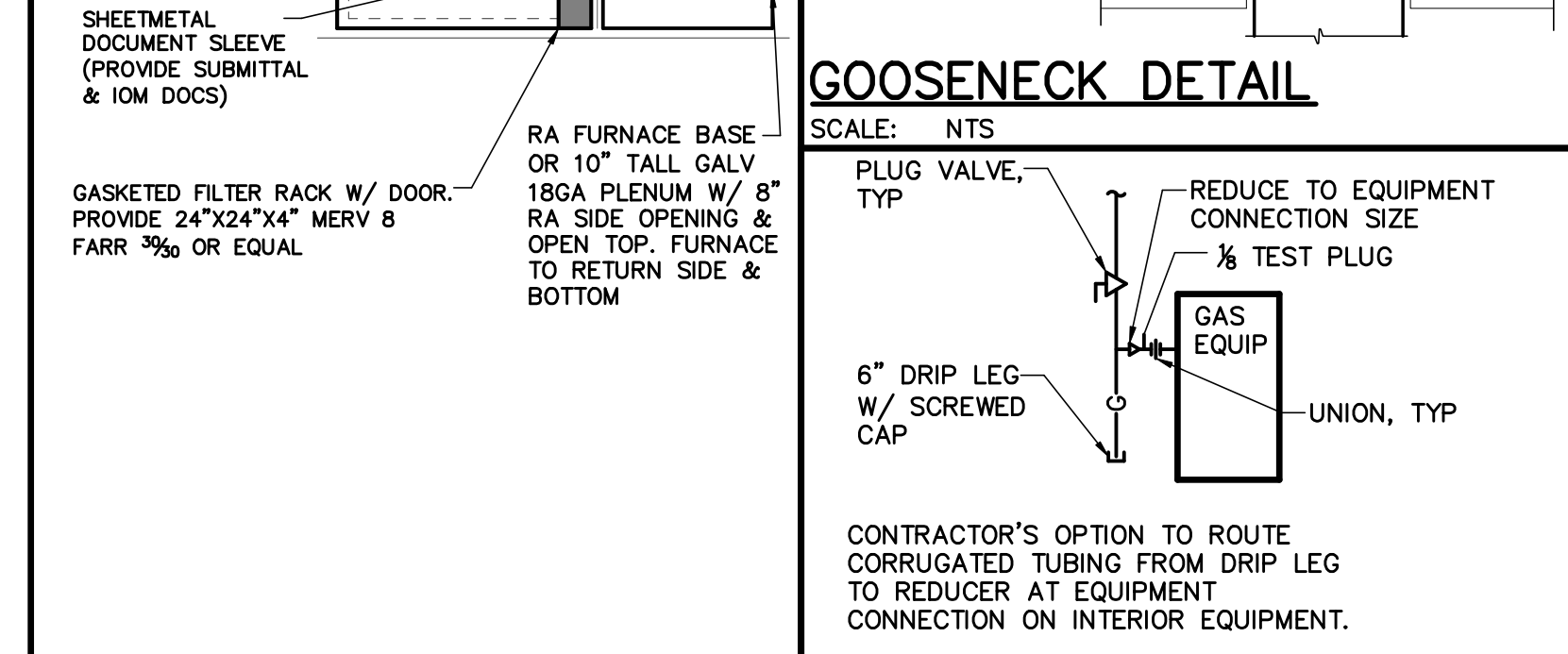
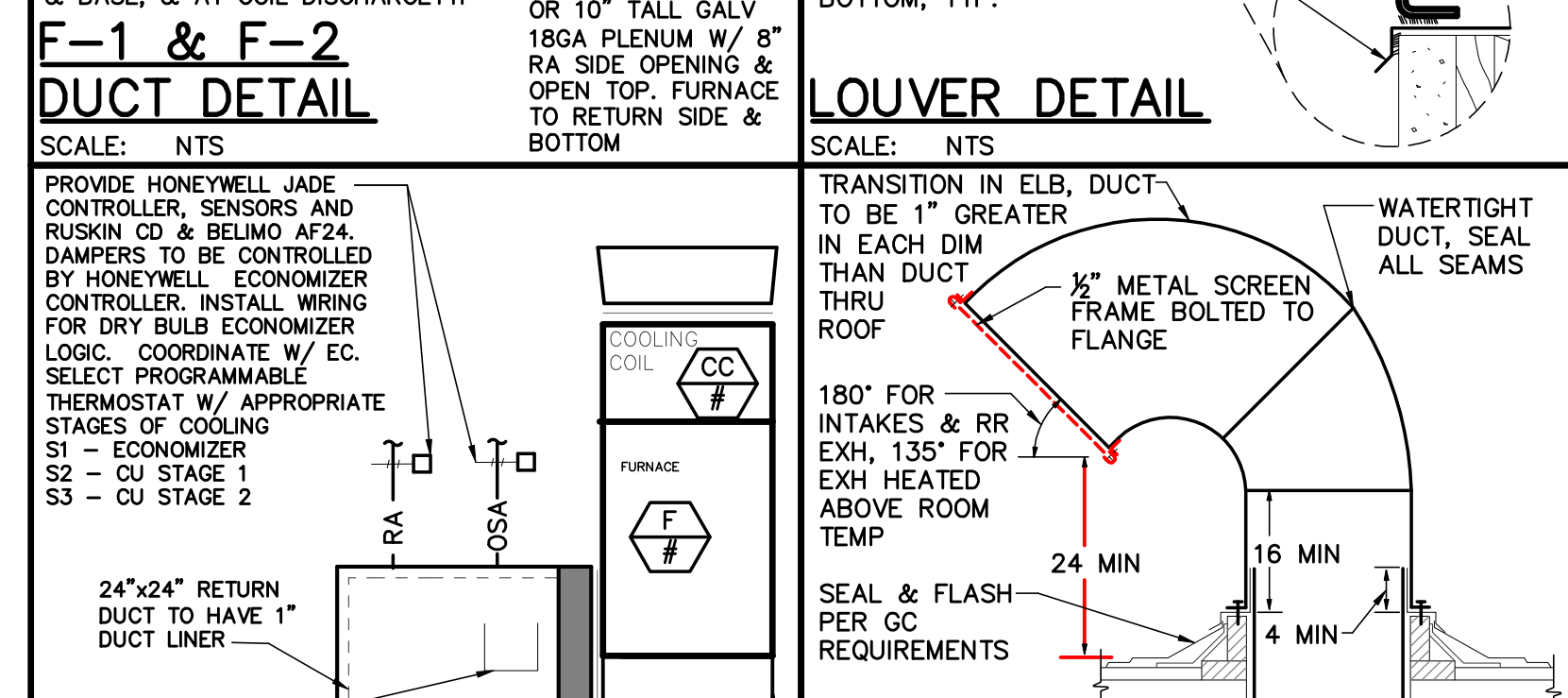
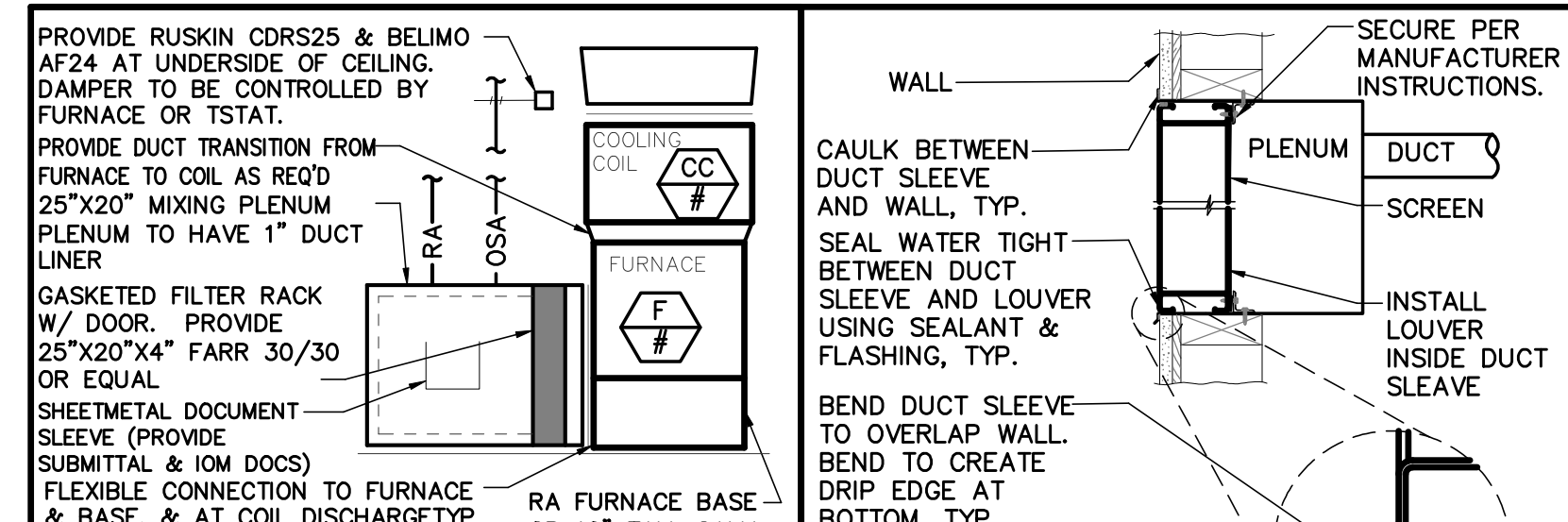
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Progress Drawings -- Not For Construction



**ABBREVIATIONS:**

ABS	ABSOLUTE	HOA	HAND, OFF, AUTO
A/C	AIR CONDITIONING	HORIZ	HORIZONTAL
AC	ALTERNATING CURRENT	HOSP	HOSPITAL
AD	ACCESS DOOR	HP	HORSEPOWER, HEAT PUMP
ADA	AMERICAN DISABILITIES ACT	HR	HOUR
ADD	ADDITION	HT	HEIGHT
ADJ	ADJUSTABLE	HW	HOT WATER
AFF	ABOVE FINISHED FLOOR	HZ	FREQUENCY
AFG	ABOVE FINISHED GRADE	IE	INVERT ELEVATION
ALT	ALTITUDE, ALTERNATE	IAQ	INDOOR AIR QUALITY
AMB	AMBIENT	ID	INSIDE DIAMETER
ANSI	AMPERE (AMP, AMPS)	IJS	IN JOIST/STRUCTURE SPACE
ANSI	AMERICAN NATIONAL STANDARDS	INWC	INCHES, WATER COLUMN
AP	ACCESS PANEL	INSTR	INSTRUMENT
APD	AIR PRESSURE DROP	INT	INTERIOR
APPROX	APPROXIMATE	I/O	INPUT/OUTPUT
ARCH	ARCHITECT	JT	JOINT
ATM	ATMOSPHERE	K	THERMAL CONDUCTIVITY
AVG	AVERAGE	K	KITCHEN EQUIPMENT CONTRACTOR
BAL	BALANCE	KW	KILOWATT
BDD	BACKDRAFT DAMPER	KWH	KILOWATT HOUR
BHP	BRAKE HORSEPOWER	LAB	LABORATORY
BLDG	BUILDING	LAT	LEAVING AIR TEMPERATURE
BOO	BOTTOM OF DUCT	LB	POUND
BOS	BOTTOM OF STEEL	LB/T	LEAVING DRY BULB TEMPERATURE
BTU	BRITISH THERMAL UNIT	LEN	LENGTH
BY	BY PASS	LF	LINEAR FEET
BYP	BY PASS	LP	LOW PRESSURE
C	COMMON	LPG	LIQUIFIED PETROLEUM GAS
CA	COMPRESSED AIR	LPAS	LOW PRESSURE ALARM SWITCH
CAV	CONSTANT AIR VOLUME	LRA	LEAVING WET BULB TEMPERATURE
CD	CONDENSATE DRAIN	LWCO	LOW WATER OUT OFF
CFM	CUBIC FEET PER MINUTE	MA	MEDICAL AIR
CFM	CONTRACTOR FURNISHED/ OWNER	MAT	MIXED AIR TEMPERATURE
CFS	CUBIC FEET PER SECOND	MAV	MANUAL AIR VENT
CISP	CAST IRON SOIL PIPE	MAX	MAXIMUM
CKT	CIRCUIT	MBH	1000 BTUH
CLG	CEILING	MCA	MINIMUM CIRCUIT AMPACITY
CLG HT	CEILING HEIGHT	MD	MANUAL DAMPER
CO	CLEAN OUT	MIN	MINIMUM
CO2	CARBON DIOXIDE	MISC	MISCELLANEOUS
COMP	COMPRESSOR	MOO	MOTOR OPERATED DAMPER
CONC	CONCRETE	MOV	MOTOR OPERATED VALVE
CONST	CONSTRUCTION	MP	MEDIUM PRESSURE
CONT	CONTINUOUS	MVD	MANUAL VOLUME DAMPER
COP	COEFFICIENT OF PERFORMANCE	NA	NOT APPLICABLE
COTG	CLEANOUT TO GRADE	NC	NOISE CRITERIA, NORMALLY CLOSED
CCP	COOLING COIL PUMP	NIC	NOT IN CONTRACT
CP	CONDENSATE PUMP	NO	NITROGEN OXIDE, NORMALLY OPEN, NUMBER
CFT	CUBIC FEET	NTS	NOT TO SCALE
CUIN	CUBIC INCHES	OA	OUTSIDE AIR
CW	COLD WATER	OAD	OUTSIDE AIR DAMPER
DB	DEGREE(S)	OAT	OUTSIDE AIR TEMPERATURE
DB	DRY BULB TEMPERATURE	OBDD	OPPOSED BLADE DAMPER
DDC	DIRECT DIGITAL CONTROL	OD	OUTSIDE DIAMETER
DEG OR °	DEGREE	OF/C	OWNER FURNISHED/ CONTRACTOR
DENS	DENSITY	OF/CI	OWNER FURNISHED/ CONTRACTOR
DEPT	DEPARTMENT	OF/CI	OWNER FURNISHED/ CONTRACTOR
DF	DRINKING FOUNTAIN	INSTALLED	INSTALLED
DIA OR Ø	DIAMETER	OUT	OUTLET
DIP	DUCTILE IRON PIPE	OZ	OUNCE
DISCH	DISCHARGE	Ø	PERCENT
DU	DUCT LINER INSULATION	PE	PNEUMATIC ELECTRIC
DMPR	DAMPER	PH	PHASE
DN	DOWN	POC	POINT OF CONNECTION
DP	DEWPOINT OR PRESSURE DROP	PPM	PARTS PER MILLION
DPS	DIFFERENTIAL PRESSURE SENSOR	PRE-FAB	PRE-FABRICATED
DPT	DEW POINT TEMPERATURE	PRES	PRESSURE
DR	DRAIN	PSF	POUNDS PER SQUARE FOOT
DT	DELTA TEMPERATURE	PSI	POUNDS PER SQUARE INCH
DUC	DOOR UNDERCUT	PSIA	POUNDS PER SQUARE INCH, ABSOLUTE
DW	DISTILLED WATER	PSIG	POUNDS PER SQUARE INCH GAUGE
DWG	DRAWING	PVC	POLYVINYL CHLORIDE
DWV	DRAIN, WASTE, AND VENT	QTY	QUANTITY
(E)	EXISTING	R	THERMAL RESISTANCE
EA, EXH	EXHAUST AIR	REF	REFRIGERANT
EAT	ENTERING AIR TEMPERATURE	RA	RETURN AIR
EBB	ELECTRIC BASE BOARD	RAT	RETURN AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR	RECIRC	RE-CIRCULATE
ECON	ECONOMIZER	RH	RELATIVE HUMIDITY
EDBT	ENTERING DRY BULB TEMPERATURE	RM	ROOM
EDH	ELECTRIC DUCT HEATER	ROW	REVERSE OSMOSIS WATER
EER	ENERGY EFFICIENCY RATIO	RPM	REVOLUTIONS PER MINUTE
EFF	EFFICIENCY	REV	REVOLUTIONS, REVISION
EL	ELEVATION	SA	SUPPLY AIR
ELEC	ELECTRIC	SAN	SANITARY WASTE
ELEV	ELEVATOR	SAT	SATURATED
EMER	EMERGENCY	SAT	SATURATED
ENCL	ENCLOSURE	SOFM	STANDARD CUBIC FEET PER MINUTE
ENT	ENTERING	SEC	SECOND(S)
EOM	END OF MAIN	SG	SPECIFIC GRAVITY
EQPT	EQUIVALENT FEET	SHR	SENSIBLE HEAT RATIO
EQUIP	EQUIPMENT	SHT	SHEET
ESC	ESCUTCHEON	SL	SEA LEVEL
ESP	EXTERNAL STATIC PRESSURE	SOV	SHUT OFF VALVE
EWBT	ENTERING WET BULB TEMPERATURE	SPEC	SPECIFICATION(S)
EWT	ENTERING WATER TEMPERATURE	SV	SPECIFIC VOLUME
EXP	EXPANSION	SQ	SQUARE
EXT	EXTERIOR	SS	STAINLESS STEEL
F	FAHRENHEIT	STD	STANDARD
F&B	FACE AND BY-PASS	TA	TRANSFER AIR
F&T	FLOAT AND THERMOSTATIC TRAP	TCV	TEMPERATURE CONTROL VALVE
FA	FACE AREA	TD	TEMPERATURE DIFFERENCE
FFA	FROM FLOOR ABOVE	TEMP	TEMPERATURE
FB	FROM FLOOR BELOW	TAO	THROUGH JOIST OPENINGS
FIN	FINISH	TONS	TONS OF REFRIGERATION
FIXT	FIXTURE	TSTAT	THERMOSTAT
FLA	FULL LOAD AMPS	TYP	TYPICAL
FLEX	FLEXIBLE	UNO	UNLESS NOTED OTHERWISE
FLR	FLOOR	VA	VOLT AMPERE
FLTR	FILTER	VAC	VACUUM
FPM	FEET PER MINUTE	VAR	VARIABLE
FPS	FEET PER SECOND	VAV	VARIABLE AIR VOLUME
FSTAT	FREESTAT	VERT	VERTICAL
FTG	FOOTING	VOL	VOLUME
FURN	FURNISH	VTR	VENT THROUGH THE ROOF
FY	FACE VELOCITY	VVT	VARIABLE VOLUME TERMINAL
GA	GAUGE	W	WATTAGE
GAL	GALLON	W/O	WITHOUT
GALV	GALVANIZED	WBT	WET BULB TEMPERATURE
GC	GENERAL CONTRACTOR	WT	WEIGHT, WATERTIGHT
GPD	GALLON PER DAY	YPF	EXPLOSION PROOF
GPH	GALLON PER HOUR	ZN	ZONE OF CONTROL
GPM	GALLON PER MINUTE		
GPS	GALLON PER SECOND		
HD	HEAD		
HEX	HEAT EXCHANGER		



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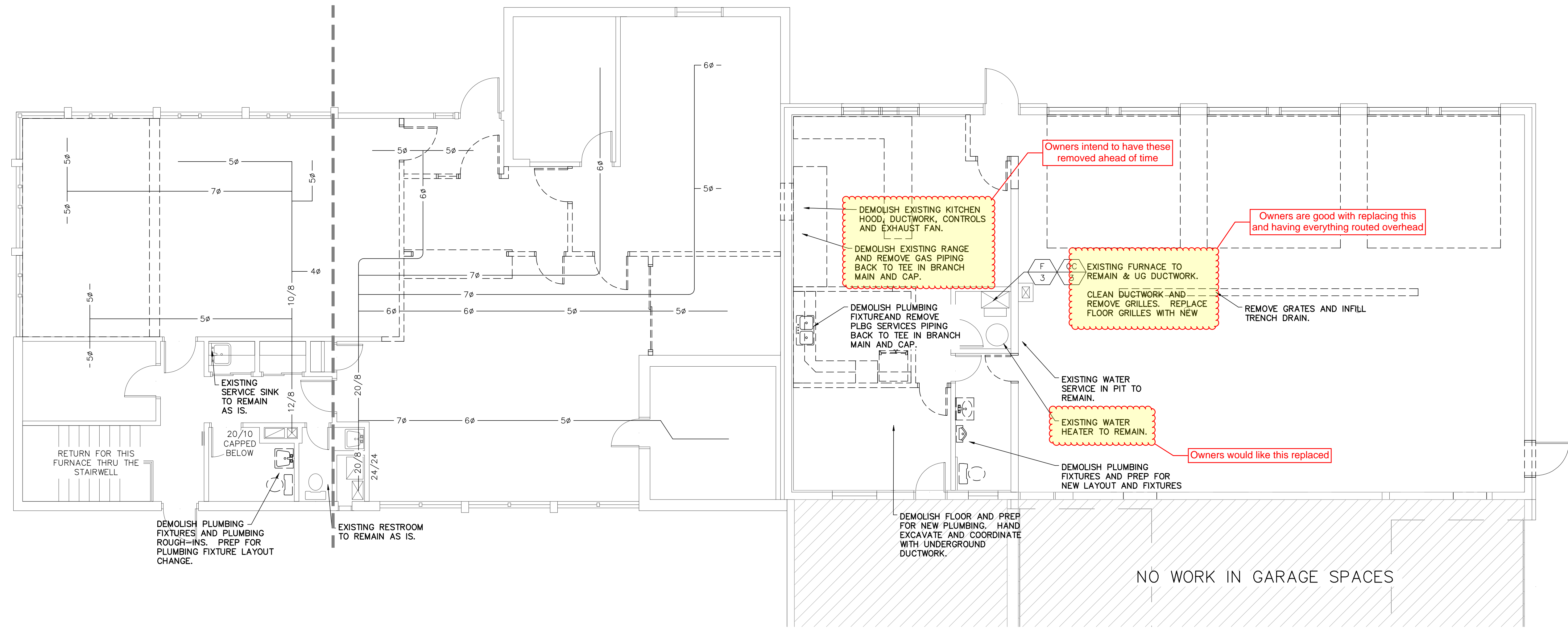
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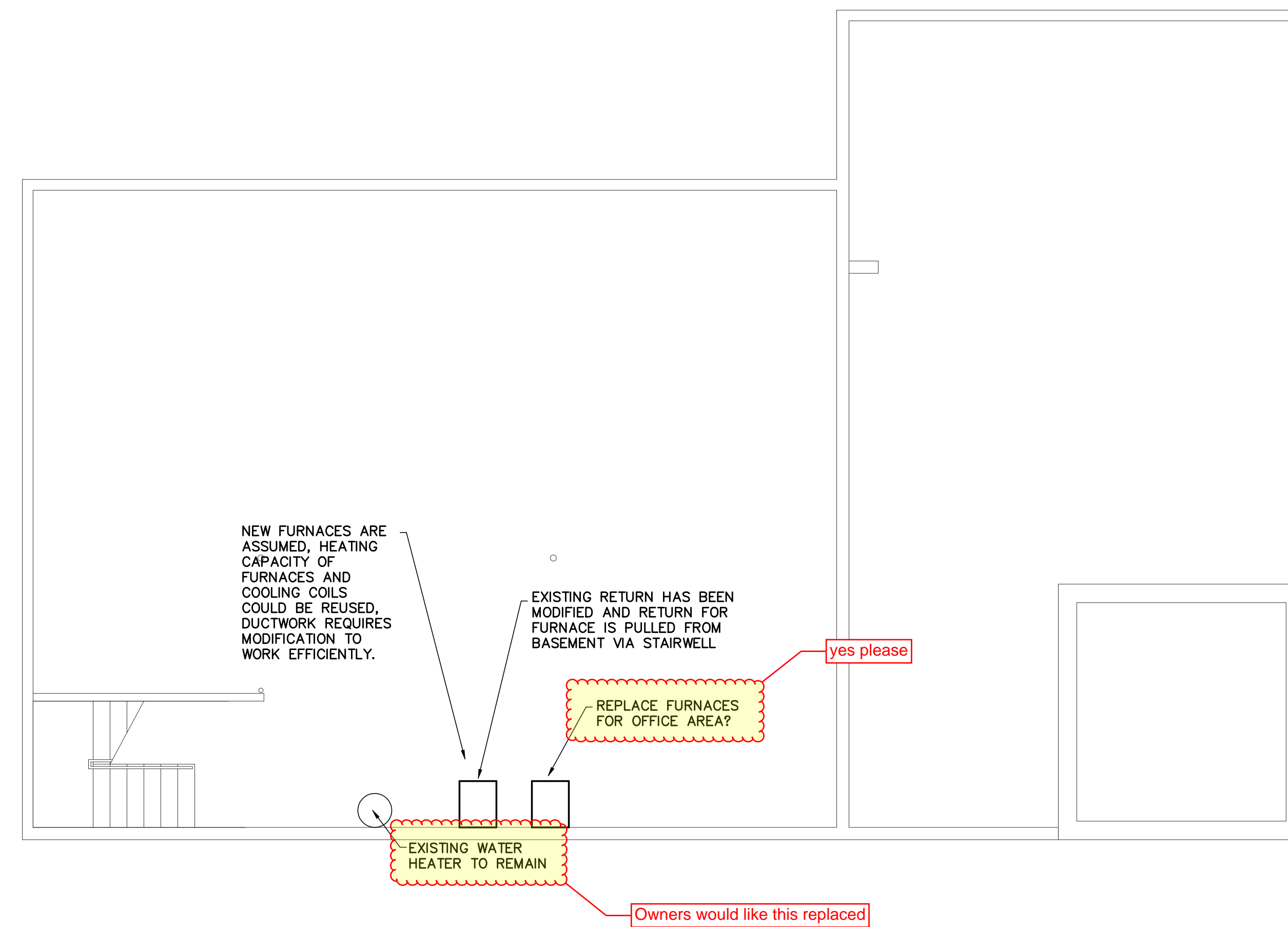
MECHANICAL DETAILS

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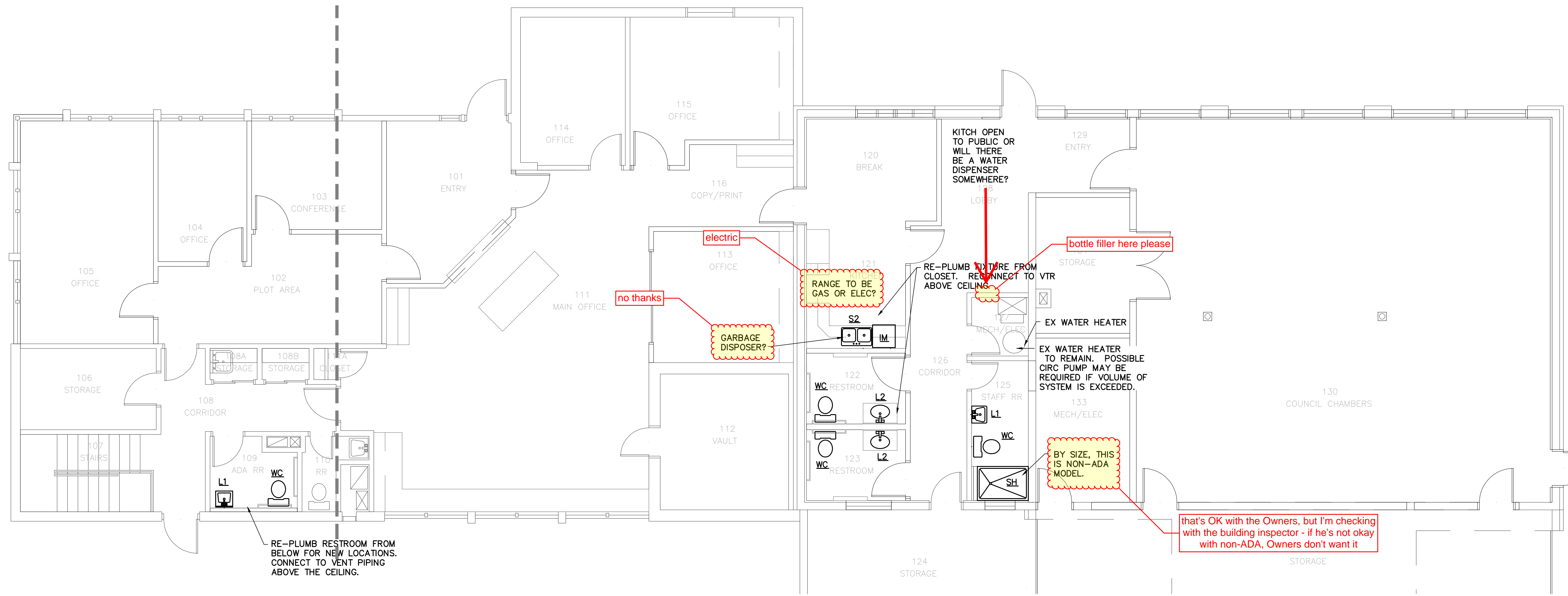


2 - Demo Mechanical Plan - Main Level

3/16" = 1'-0"



Progress Drawings -- Not For Construction



**1 - New HVAC Plan -**

3/16" = 1'-0"



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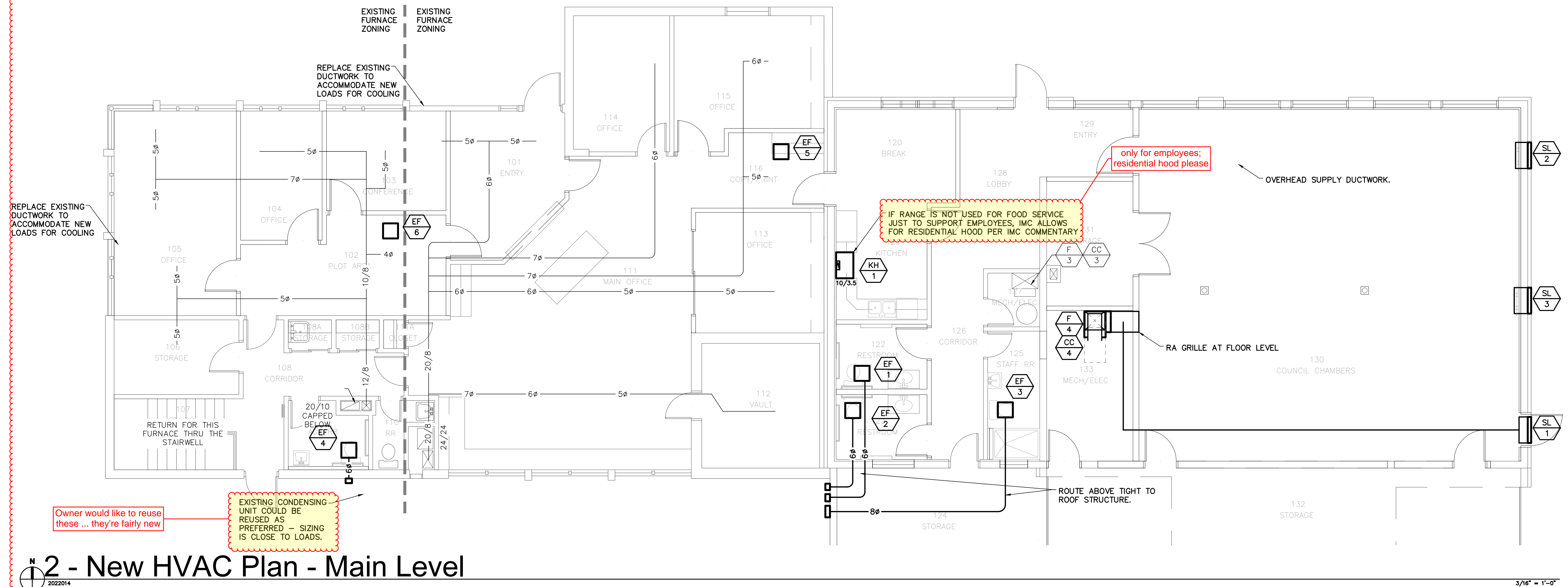
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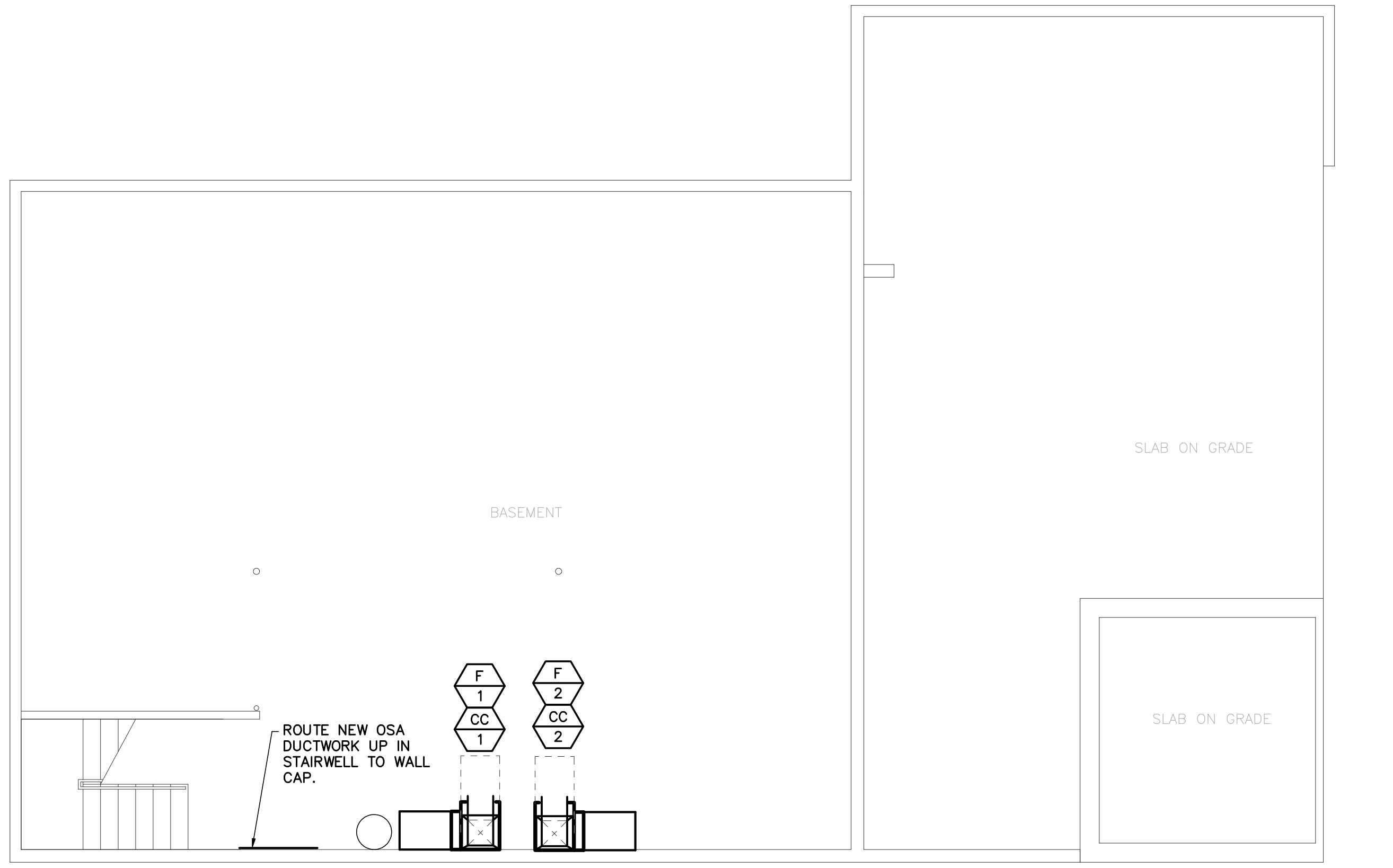
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PLUMBING  
 PLAN

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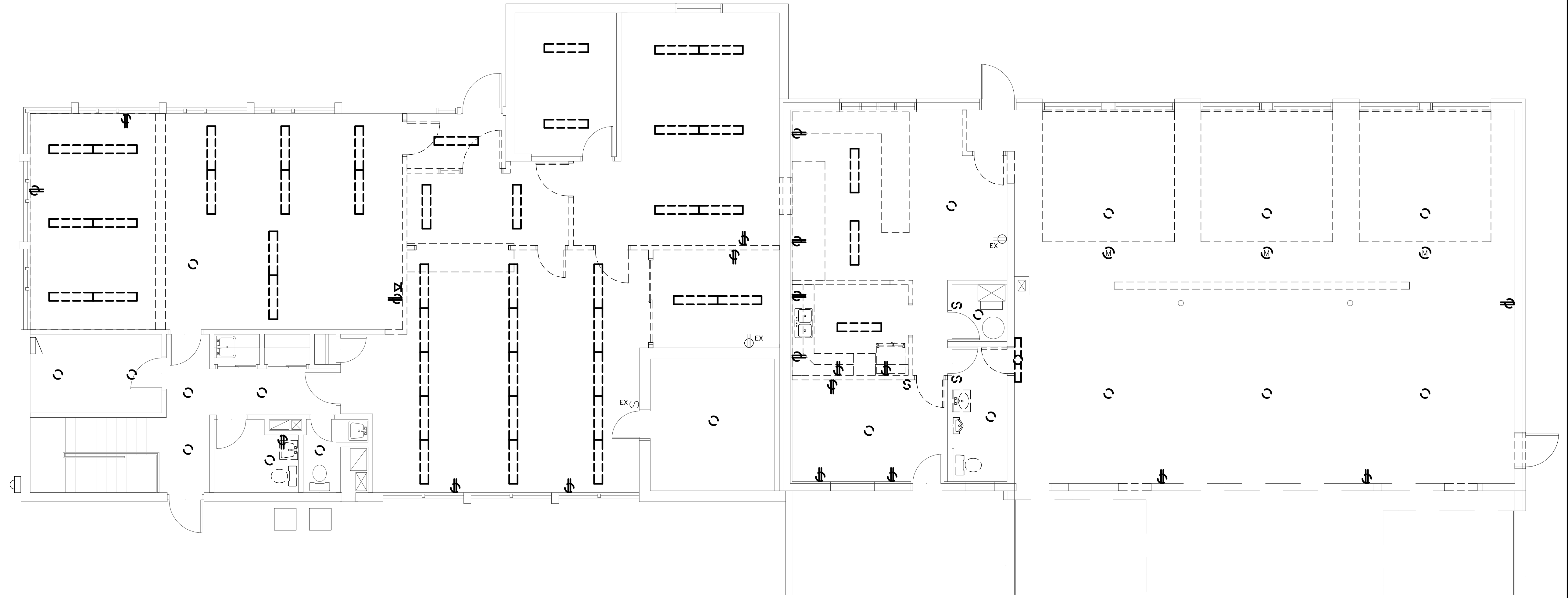


2 - New HVAC Plan - Main Level



2 - New HVAC Plan - Basement

basically removing the hard lids throughout and going to a lower dropped ceiling -7'-8" or -7'-10" to provide more space for lighting and ductwork



**1 - Demo Electrical Plan -**



3/16" = 1'-0"

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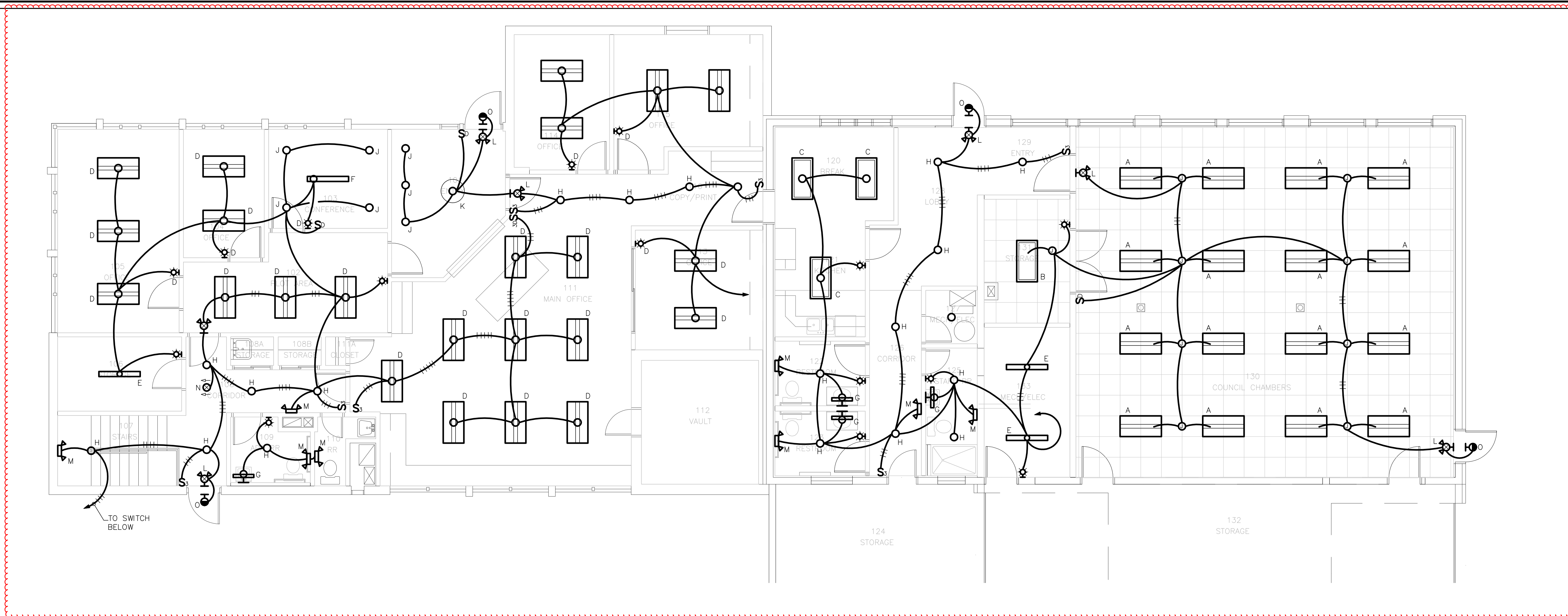
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ELEC DEMO  
 PLAN

ED1.0

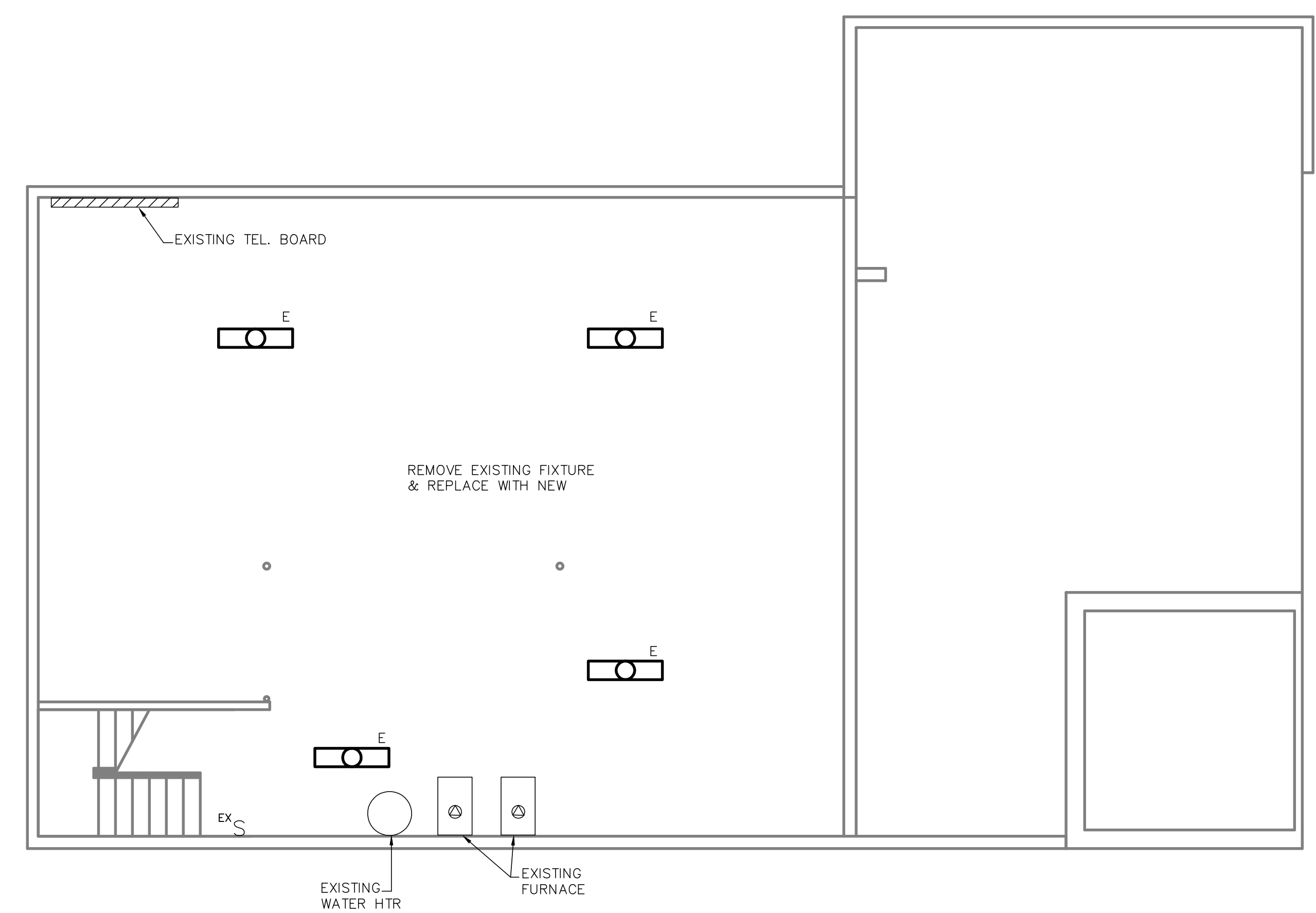
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**1 - Lighting Plan -**

3/16" = 1'-0"

basically removing the hard lids throughout and going to a lower dropped ceiling ~7'-8" or ~7'-10" to provide more space for lighting and ductwork

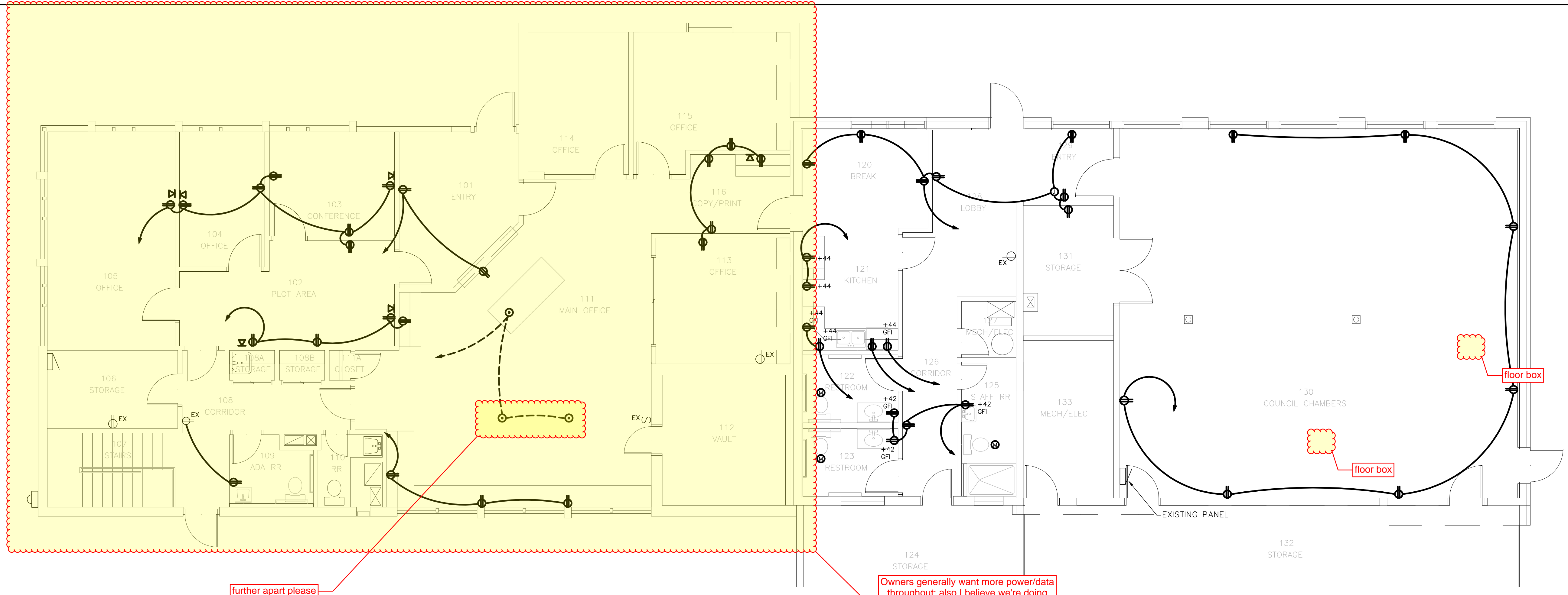


**1 - Basement Elec. Plan -**

3/16" = 1'-0"

LETTER DESIG.	FIXTURE			LOCATION	TYPE	LAMP		NOTES
	MANUFACTURER	CATALOG NO.				TYPE	NO.	
A	LSI	LPASC24LED60LUNVDM135		CEILING	RECESSED	48W LED	-	⊖
B	LSI	SFP24LED50UEDIM35		CEILING	RECESSED	50W LED	-	
C	LSI	SFP24LED50UEDIM35 SFP5MK24		CEILING	SURFACE	50W LED	-	
D	LSI	LPEC24SMLEDHOWWUE		CEILING	SURFACE	47W LED	-	
E	LSI	SDL4LED40FLUNV3580CRI		CEILING	SURFACE	30W LED	-	
F	NU-LITE	RP4B05UP06DOWNL35UNV DICSTDBKS RB4867		CEILING	-	67W LED	-	
G	LITFAD	221948776		WALL	SURFACE	20W LED	-	
H	NORA	NLQS-R72L-35-WW		CEILING	SURFACE	14W LED	-	
I	NOT USED	-		-	-	-	-	
J	NORA	NLQS-R42L-35-WW		CEILING	SURFACE	11W LED	-	
K	MAXXIMA	MCL-3324900B		CEILING	SURFACE	52W LED	-	
L	MULE	SQC-LED-1-R-WW		WALL	SURFACE	LED	-	
M	MULE	SQ-LED-1-R-WW		WALL	SURFACE	LED	-	
N	MULE	MD B2R-WW		CEILING	SURFACE	LED	-	
O	MULE	MAKO-LED-ACEM-DB		WALL	SURFACE	LED	-	

Progress Drawings -- Not For Construction



further apart please

Owners generally want more power/data throughout; also I believe we're doing rough-in only for data, but Owners are confirming with their IT crew

**1 - Power Plan -**



3/16" = 1'-0"

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POWER  
PLAN

E2.0