

CITY HALL REMODEL

115 2nd Street SE || Sidney, MT 59270

OWNER:

CITY OF SIDNEY
115 2ND STREET SE
SIDNEY, MT 59270
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MECHANICAL ENGINEER

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SIMPLICITY ENGINEERING
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BILLINGS, MT 59105
406-254-7157

ELECTRICAL ENGINEER

CORY HASIAK, PE
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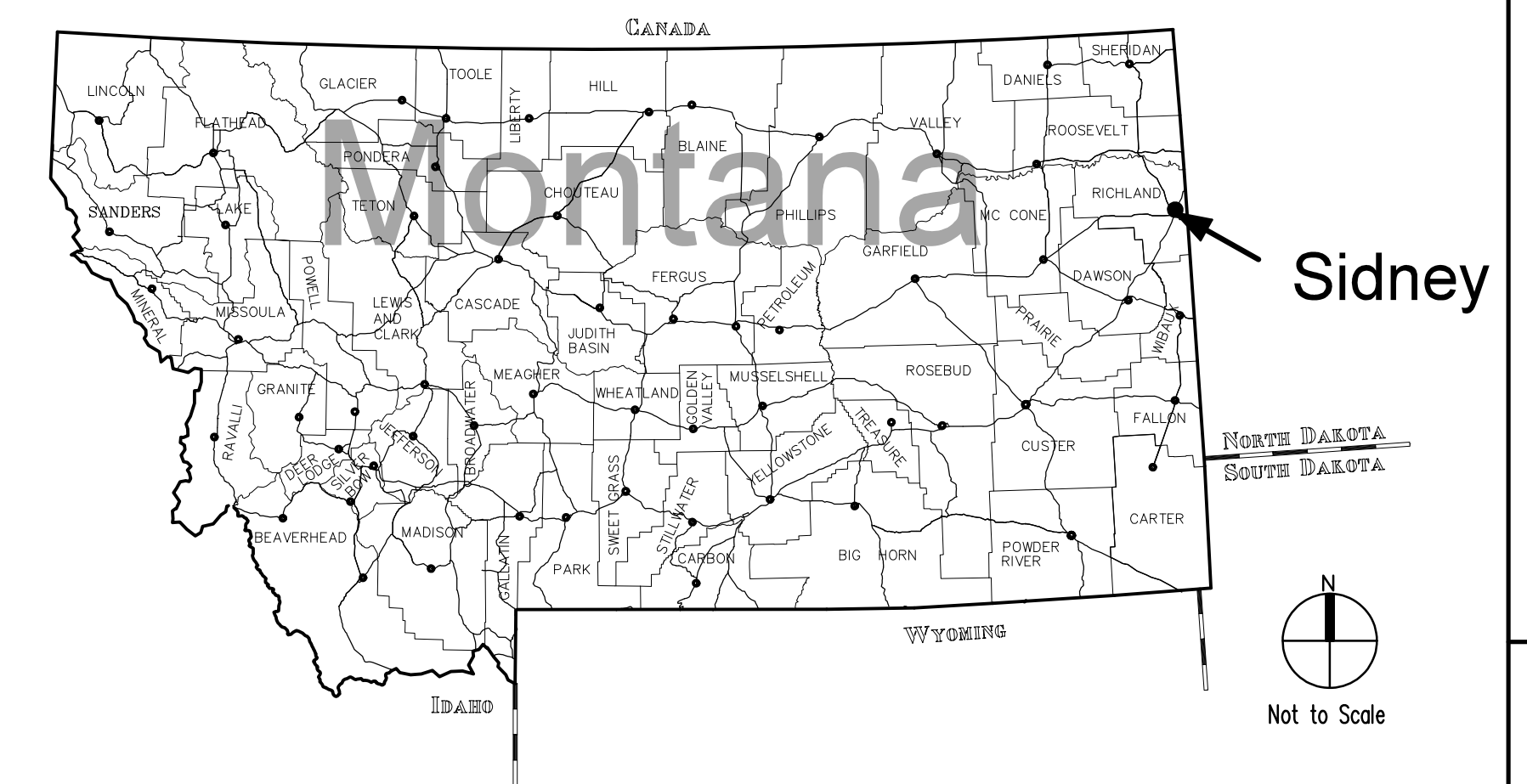
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ABBREVIATIONS

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



DWG SET #:

Preliminary Drawings -- Not For Construction

90% CDs

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CITY HALL REMODEL
City of Sidney
115 2nd Street SE, Sidney, MT 59270

Revisions	

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DRAWN BJ
CHECK BJ
DATE 07.10.2023

Index,
Contacts,
& Locations

G1.0



7/10/2023

DEMOLITION PLAN NOTES

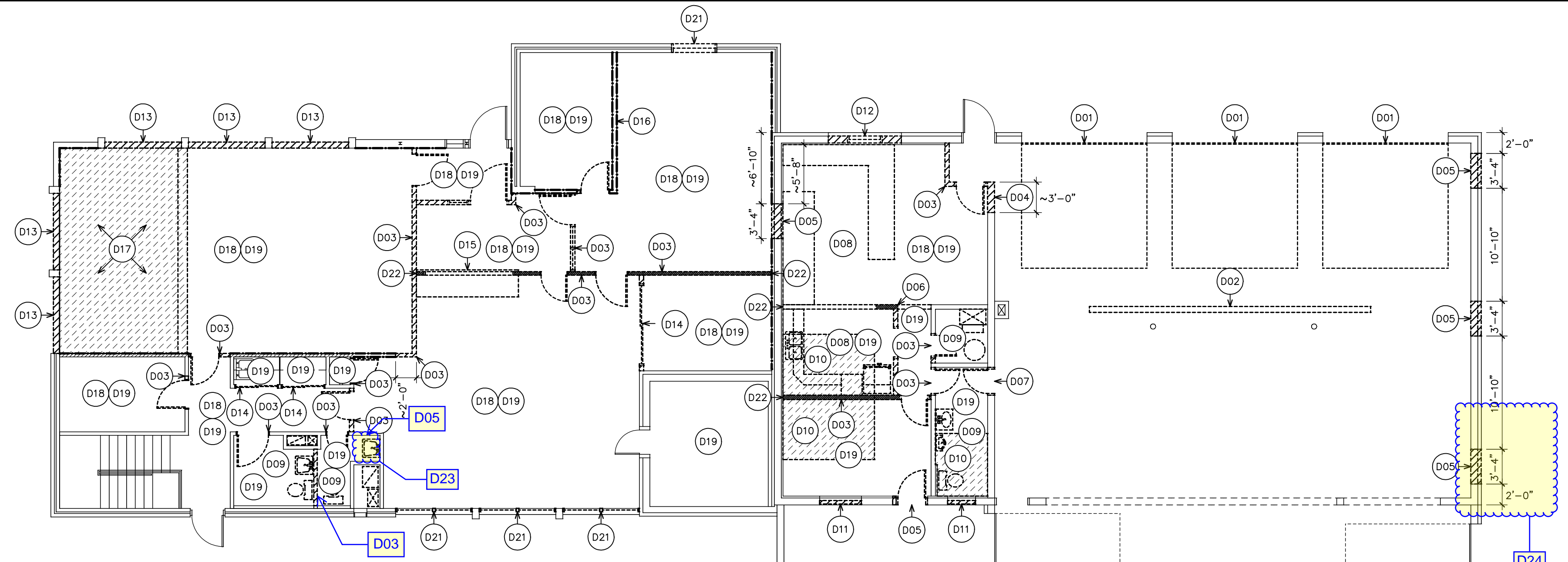
- D01 REMOVE EXISTING GARAGE DOOR; PREP FOR NEW WINDOWS & INFILL
- D02 PLUG EXISTING TRENCH DRAIN PER PLUMBING CODE; GROUT FULL
- D03 REMOVE FRAMED WALL, DOOR FRAME, AND/OR DOOR/LITE
- D04 REMOVE PORTION OF EXISTING MASONRY WALL; SHORE AS NEEDED FOR NEW HEADER
- D05 REMOVE PORTION OF EXISTING WALL; PREP FOR NEW DOOR OR LOUVER
- 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

D23 - CUT FLOOR OUT TO ACCOMMODATE NEW MECHANICAL WORK; SEE DETAIL X/AX.X
 D24 - REMOVE PORTION OF SIDEWALK TO ACCOMMODATE NEW RAMP/LANDING @ DOOR

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



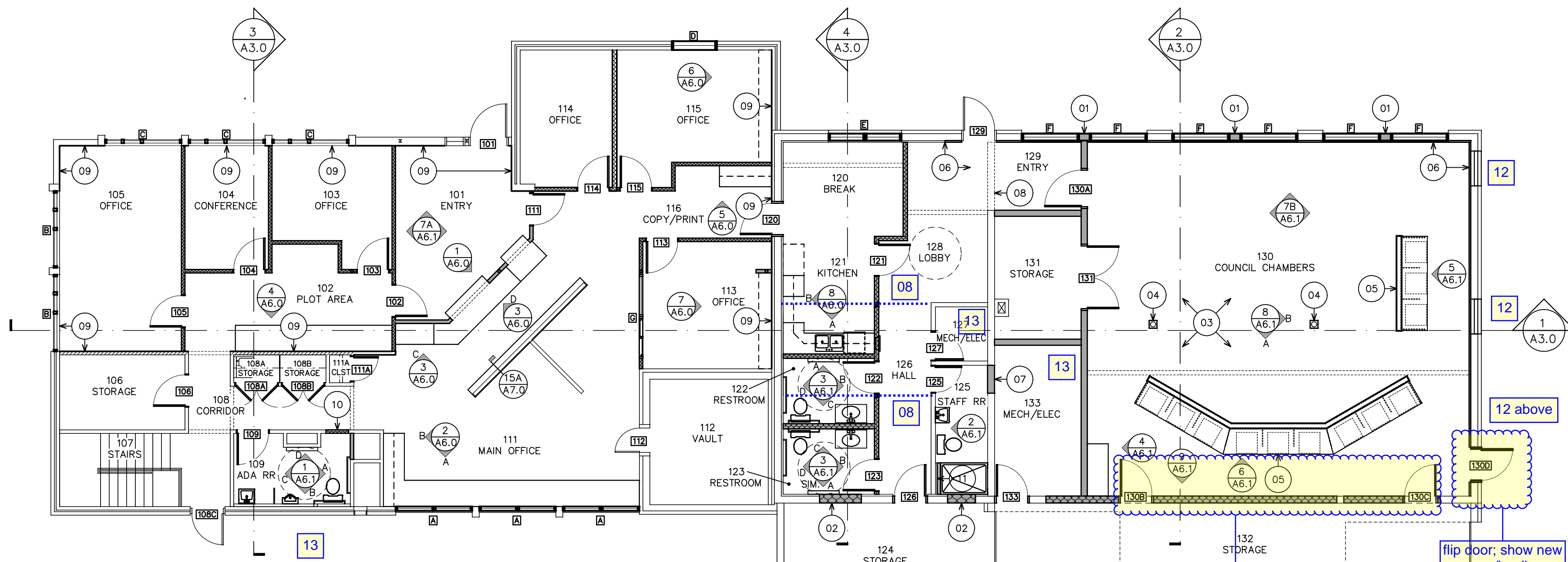
N 1 - Main Level Demolition Plan

SCALE 1/8" = 1'-0"

FLOOR PLAN NOTES

- 01 INFILL EXISTING GARAGE DOOR PER 1/A5.0
- 02 INFILL EXISTING WINDOW PER 2/A5.0
- 03 EXISTING FLOOR IS SLOPED TO DRAIN; LEVEL OUT AS NEEDED FOR NEW FLOORING
- 04 WRAP EXISTING COLUMN PER 4/A5.0
- 05 NEW COUNCIL DESKS W/ BULLET-RESISTANT FRONTS PER 14/A7.0
- 06 FURRED WALLS AROUND PERIMETER PER WALL TYPE 2BE.1
- 07 INFILL EXISTING DOOR PER 3/A5.0
- 08 NEW HEADER ABOVE CEILING PER X/AX.X
- 09 RE-SKIN WALL WITH 5/8" GYPSUM BOARD AFTER IN-WALL POWER/DATA IS INSTALLED
- 10 INFILL DOOR OPENING SIMILAR TO WALL TYPE 4B.1
- 11 FUR OUT BACKSIDE OF SHOWER AS NEEDED
- 12 LOUVER PER X/AX.X
- 13 HOUSEKEEPING/MECHANICAL PAD PER MECHANICAL

- *** 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.



N 1 - Main Level Floor Plan

SCALE 1/8" = 1'-0"



Revisions

NO.	DESCRIPTION

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JOB # 2022007
 DRAWN BJ
 CHECK BJ
 DATE 07.10.2023

Demolition
 & Floor Plans

A1.0

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	65	PFT	--	--	WW/RWP	WW/RWP	WW/GBS	WW/GBS	ACH	
102	PLOT AREA	165	CPT	WB6	--	GBS	GBS	RWP	GBS	ACH	
103	OFFICE	120	CPT	WB6	--	RWP	GBS	GBS	GBS	ACH	
104	CONFERENCE	95	CPT	WB6	--	RWP	GBS	GBS	GBS	ACH	
105	OFFICE	230	CPT	WB6	--	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	--	--	PWT/PAP	PWT/PAP	PWT/PAP	PWT/PAP	PAP	
111	MAIN OFFICE	620	CPT	WB6	SS	RWP/PAP/GBS	GBS/PEB	GBS/PEB	PAP/RWP/GBS	ACH	
111A	CLOSET	6	GPT	RB4	--	PAP	PAP	PAP	PAP	PAP	
112	VAULT	136	LVT	WB6	--	PAP	PAP	PAP	PAP	PAP	
113	OFFICE	150	CPT	WB6	--	GBS	RWP	PEB	GBS	ACH	
114	OFFICE	116	CPT	WB6	--	PEB	RWP	PEB/RWP	PEB	ACH	
115	OFFICE	175	CPT	WB6	--	PEB	RWP	GBS	RWP	ACH	
116	COPY/PRINT	80	CPT	WB6	SS	GBS	RWP	GBS	--	ACH	
120	BREAK	105	LVT	WB6	--	PAP	GBS	GBS	PAP	ACH/GBS	
121	KITCHEN	100	LVT	WB6	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	WB6	--	--	PAP	PAP	GBS	ACH	
127	MECHANICAL / ELECTRICAL	25	NF	NF	--	NF	NF	NF	NF	NF	
128	LOBBY	120	LVT	WB6	--	GBS/PAP	PAP	PAP	GBS	GBS/ACH	
129	ENTRY	60	LVT	WB6	--	GBS	GBS	GBS	GBS	GBS	
130	COUNCIL CHAMBERS	1245	CPT	WB6	--	WW/GBS	WW/GBS	WW/GBS	WW/GBS	ACH	
131	STORAGE	100	LVT	RB4	--	GBS	GBS	GBS	PEB	ACH	
132	STORAGE	1278	NF	NF	--	GBS	NF	NF	NF	NF	
133	MECHANICAL / ELECTRICAL	120	LVT	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 COMMODITY RUBBER BASE, 'TARKETT TRADITIONAL' VINYL 1/8" OR EQUAL
WB6 6" HIGH WOOD BASE, SQUARE STICK WITH EASED PROFILE EDGE, STAINED BIRCH TO MATCH DOOR PACKAGE

COUNTER

PLM PLASTIC LAMINATE COUNTERTOPS, 4" BACKSPASH, LOGICORP GEM LOCK T PROFILE SOLID SURFACE EDGES
SS SOLID SURFACE COUNTERTOP, 4" 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 (BASED ON LOCATION), LEVEL 5 SMOOTH WALL FINISH, PRIMED & PAINTED
WW WOOD WAINSCOT, UP 4"-0" SEE INTERIOR ELEVATIONS FOR DETAILS
SUFFIX DENOTES EPOXY PAINT FINISH

CEILING LEGEND

ACH ACUSTIC CEILING TILE, HIGH NRC, 2' x 2' x 5/8"
GBS REMOVE EXISTING ACUSTIC 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

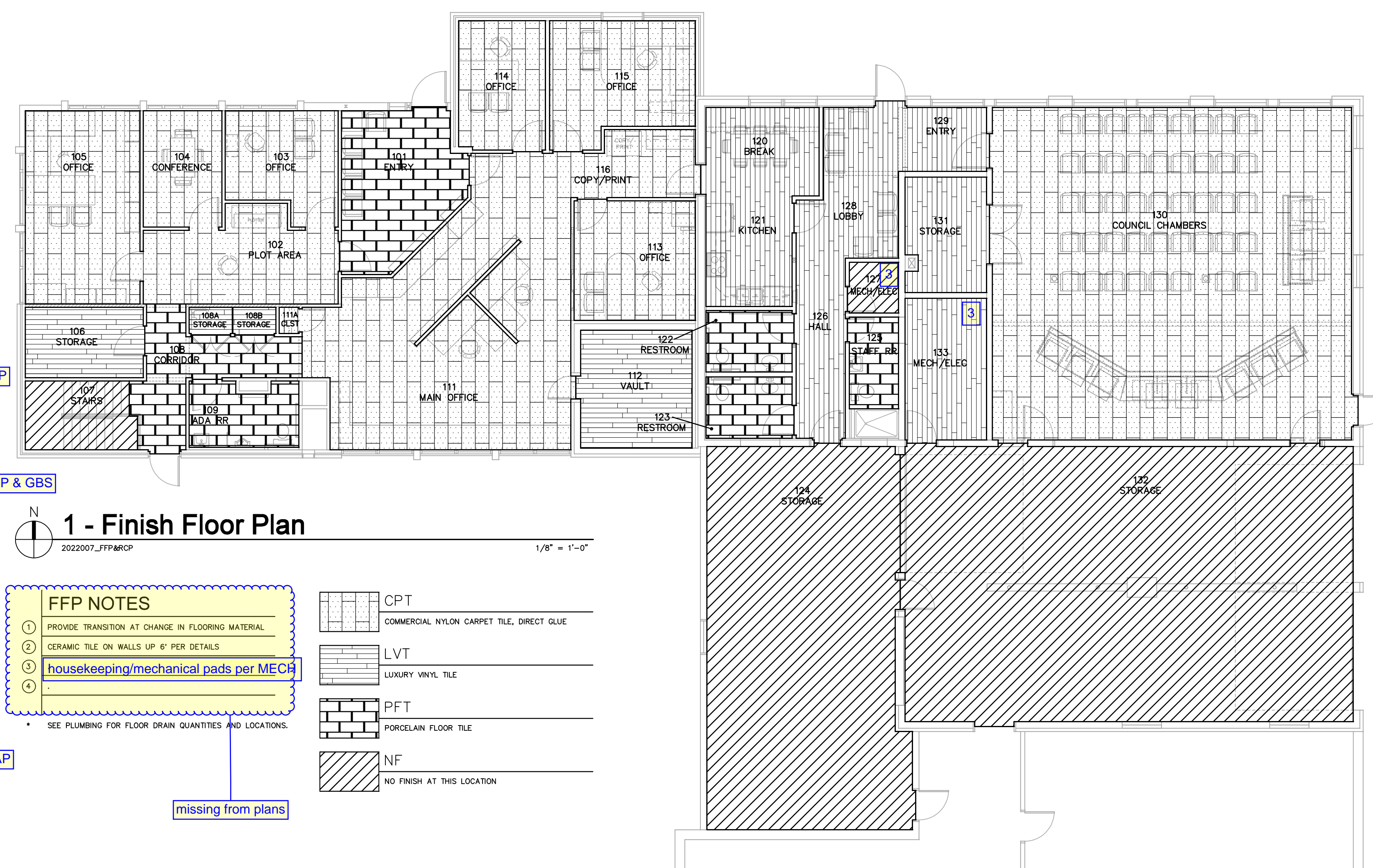
PAINTER NOTES

1 WOOD DOORS WILL COME PRE-FINISHED, NO WORK BY PAINTER
2 CLAD WOOD WINDOWS WILL COME PRE-FINISHED, NO WORK BY PAINTER

confirm in specs

update for final

after these updates, please triple check for final



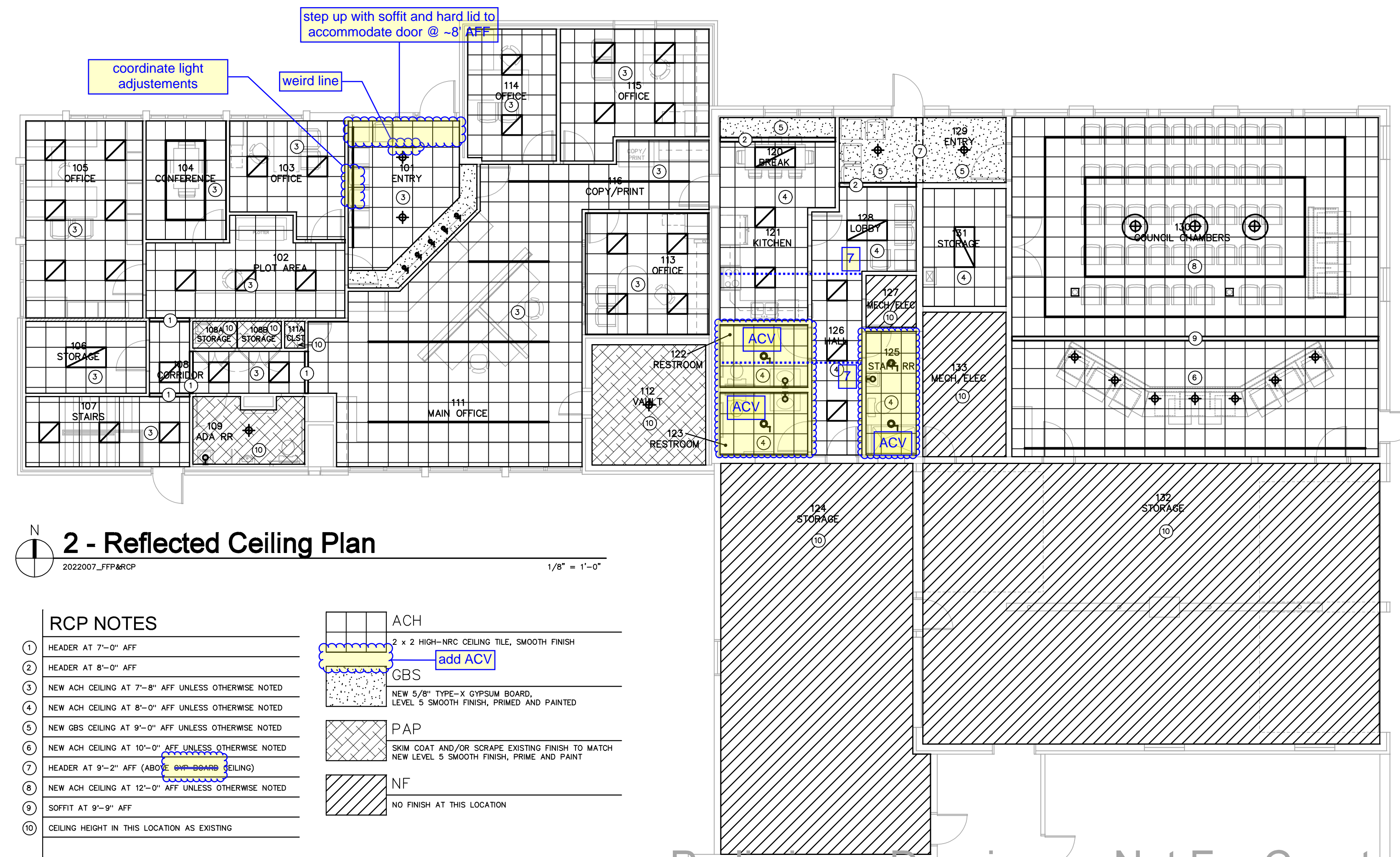
1 - Finish Floor Plan
2022007_FFP&RCP
1/8" = 1'-0"

FFP NOTES

- PROVIDE TRANSITION AT CHANGE IN FLOORING MATERIAL
- CERAMIC TILE ON WALLS UP 6" PER DETAILS
- housekeeping/mechanical pads per MECH
- SEE PLUMBING FOR FLOOR DRAIN QUANTITIES AND LOCATIONS.

LEGEND:

- CPT COMMERCIAL NYLON CARPET TILE, DIRECT GLUE
- LVT LUXURY VINYL TILE
- PFT PORCELAIN FLOOR TILE
- NF NO FINISH AT THIS LOCATION



2 - Reflected Ceiling Plan
2022007_FFP&RCP
1/8" = 1'-0"

RCP NOTES

- HEADER AT 7'-0" AFF
- HEADER AT 8'-0" AFF
- NEW ACH CEILING AT 7'-8" AFF UNLESS OTHERWISE NOTED
- NEW ACH CEILING AT 8'-0" AFF UNLESS OTHERWISE NOTED
- NEW GBS CEILING AT 9'-0" AFF UNLESS OTHERWISE NOTED
- NEW ACH CEILING AT 10'-0" AFF UNLESS OTHERWISE NOTED
- HEADER AT 9'-2" AFF (ABOVE GYM BOARD CEILING)
- NEW ACH CEILING AT 12'-0" AFF UNLESS OTHERWISE NOTED
- SOFFIT AT 9'-9" AFF
- CEILING HEIGHT IN THIS LOCATION AS EXISTING

LEGEND:

- ACH 2' x 2' HIGH-NRC CEILING TILE, SMOOTH FINISH
- GBS NEW 5/8" TYPE-X GYPSUM BOARD, LEVEL 5 SMOOTH FINISH, PRIMED AND PAINTED
- PAP SKIM COAT AND/OR SCRAPE EXISTING FINISH TO MATCH NEW LEVEL 5 SMOOTH FINISH, PRIME AND PAINT
- NF NO FINISH AT THIS LOCATION

WINDOW SCHEDULE						
MARK	SIZE (WxH)	QTY	TYPE	BLINDS	REMARKS	
A	7'-4" x 2'-0"	3	ALUMINUM CLAD	YES	(2) AWNING WINDOWS; INTEGRAL MULLION	
B	7'-4" x 3'-6"	2	ALUMINUM CLAD	YES	FIXED WINDOW W/ (2) CASEMENT WINDOWS; INTEGRAL MULLIONS	
C	7'-4" x 3'-6"	3	ALUMINUM CLAD	YES	FIXED WINDOW W/ (2) CASEMENT WINDOWS; INTEGRAL MULLIONS	
D	4'-4" x 2'-6"	1	ALUMINUM CLAD	YES	AWNING WINDOW with 4" limiter	
E	7'-0" x 4'-0"	1	ALUMINUM CLAD	YES	(2) CASEMENT WINDOWS; INTEGRAL MULLION	
F	5'-6" x 4'-0"	6	ALUMINUM CLAD	YES	FIXED WINDOW	
G	8'-0" x 4'-0"	1	FIBERGLASS	YES	SLIDING WINDOW (XOX)	

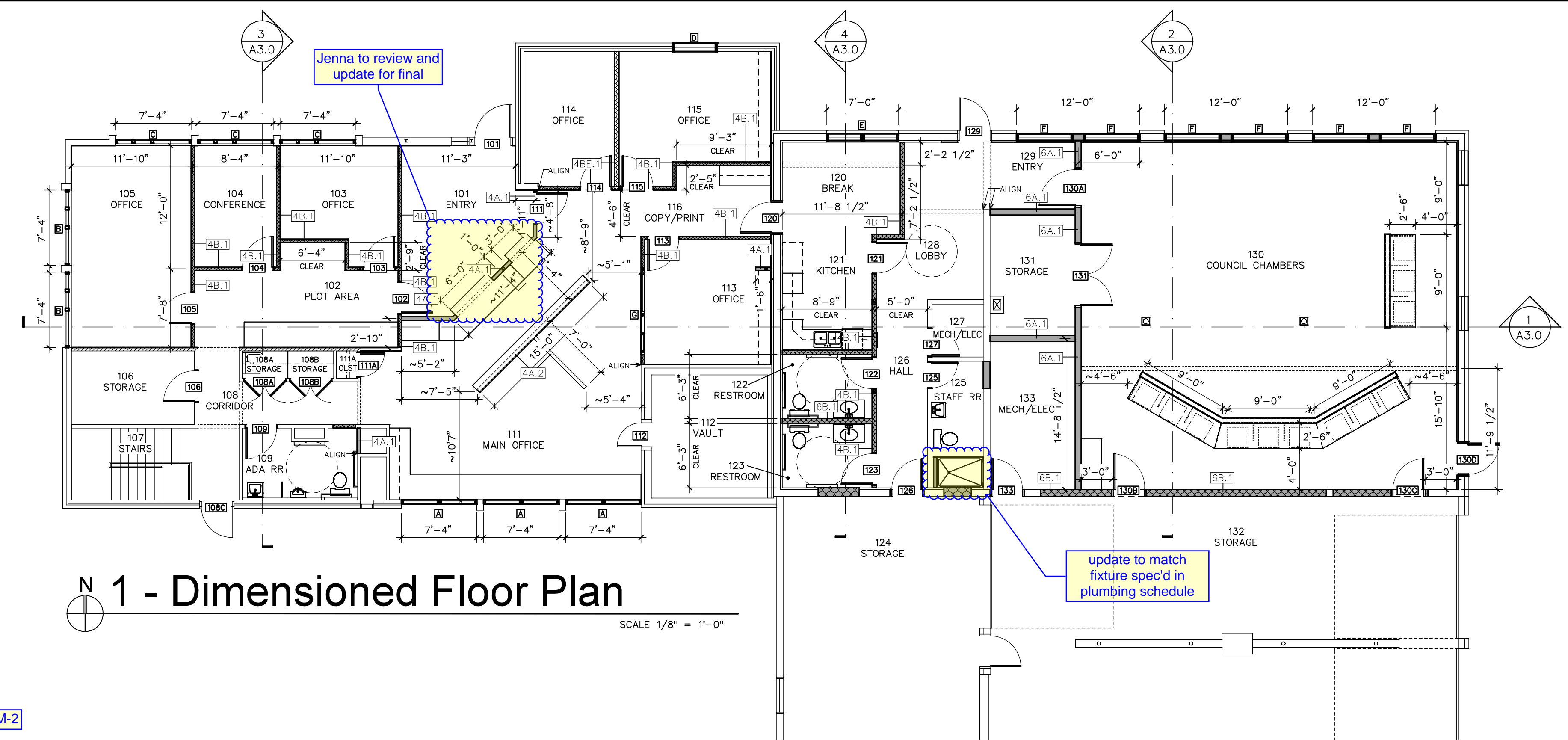
All windows to have window treatments per specifications

DOOR SCHEDULE												
DOOR #	SIZE	ELEVATION	DOOR	FRAME	DEPTH	LABEL	BUTTS	LOCK	STOP	CLOSER	MISC.	NOTES
101	EXS	-	EXS	EXS	EXS		EXS	EXS		C-3	M-12	5
102	3'-0" x 7'-0"	W1	WDA	WFA	4-3/4"		K-2	B-1	T-1	C-2	M-7	4
103	3'-0" x 7'-0"	W1	WDA	WFA	4-3/4"		K-1	B-1	T-1		M-7	4
104	3'-0" x 7'-0"	W1	WDA	WFA	4-3/4"		K-1	B-1	T-1		M-7	4
105	3'-0" x 7'-0"	W1	WDA	WFA	4-3/4"		K-1	B-1	T-3		M-7	4
106	3'-0" x 7'-0"	W1	WDA	WFA	4-3/4"		K-1	B-1	T-3		M-7	2
108A	2'-0" x 7'-0" PR	W2	WDA	WFA	4-3/4"		K-5	B-1	T-3		M-10	2
108B	2'-0" x 7'-0" PR	W2	WDA	WFA	4-3/4"		K-5	B-1	T-3		M-10	2
108C	EXS	-	EXS	EXS	EXS		EXS	EXS				6
109	3'-0" x 7'-0"	W1	WDA	WFA	4-3/4"		K-4	B-1	T-1	C-2	M-7	1
111	3'-0" x 7'-0"	W1	WDA	WFA	4-3/4"		K-2	B-1	T-1	C-2	M-7	2,4
111A	2'-4" x 7'-0"	W1	WDA	WFA	4-3/4"		K-3	B-1	T-1			1
112	EXS	-	EXS	EXS	EXS		EXS	EXS				6
113	3'-0" x 7'-0"	W1	WDA	WFA	4-3/4"		K-1	B-1	T-1		M-7	4
114	3'-0" x 7'-0"	W1	WDA	WFA	4-3/4"		K-1	B-1	T-1		M-7	2,4
115	3'-0" x 7'-0"	W1	WDA	WFA	4-3/4"		K-1	B-1	T-1		M-7	4
120	3'-0" x 7'-0"	W1	WDA	WFA	4-3/4"		K-1	B-1	T-1	C-2	M-7	7
121	3'-0" x 7'-0"	W1	WDA	WFA	4-3/4"		K-1	B-1	T-1	C-2	M-7	7
122	3'-0" x 7'-0"	W1	WDA	WFA	4-3/4"		K-4	B-1	T-1	C-2	M-7	7
123	3'-0" x 7'-0"	W1	WDA	WFA	4-3/4"		K-4	B-1	T-1	C-2	M-7	7
125	2'-8" x 7'-0"	W1	WDA	WFA	4-3/4"		K-4	B-1	T-1	C-2	M-7	1
126	3'-0" x 7'-0"	HM2	WDA	MFD	7-3/4"		K-2	B-1	T-1	C-2	M-1	2
127	2'-8" x 7'-0"	W1	WDA	WFA	4-3/4"		K-2	B-1	T-1	C-2	M-7	1
129	EXS	-	EXS	EXS	EXS		EXS	EXS				6
130A	3'-6" x 7'-0"	W1	WDA	WFA	6-3/4"		K-11	B-2	T-1	C-2	M-7	4
130B	3'-0" x 7'-0"	HM3	WDA	MFD	6-3/4"		K-2,6	B-1	T-1	C-2	M-1	3
130C	3'-0" x 7'-0"	HM3	WDA	MFD	6-3/4"		K-2,6	B-1	T-1	C-2	M-1	3
130D	3'-0" x 7'-0"	HM1	WDA	MFC	5-3/4"		K-11	B-1	T-2	C-2	M-1	3
131	3'-0" x 7'-0" PR	W2	WDA	WFA	6-3/4"		K-2	B-1	T-3		M-1	1
133	2'-8" x 6'-8"	HM2	WDA	MFC	7-3/4"		K-2	B-1	T-1	C-2	M-1	1

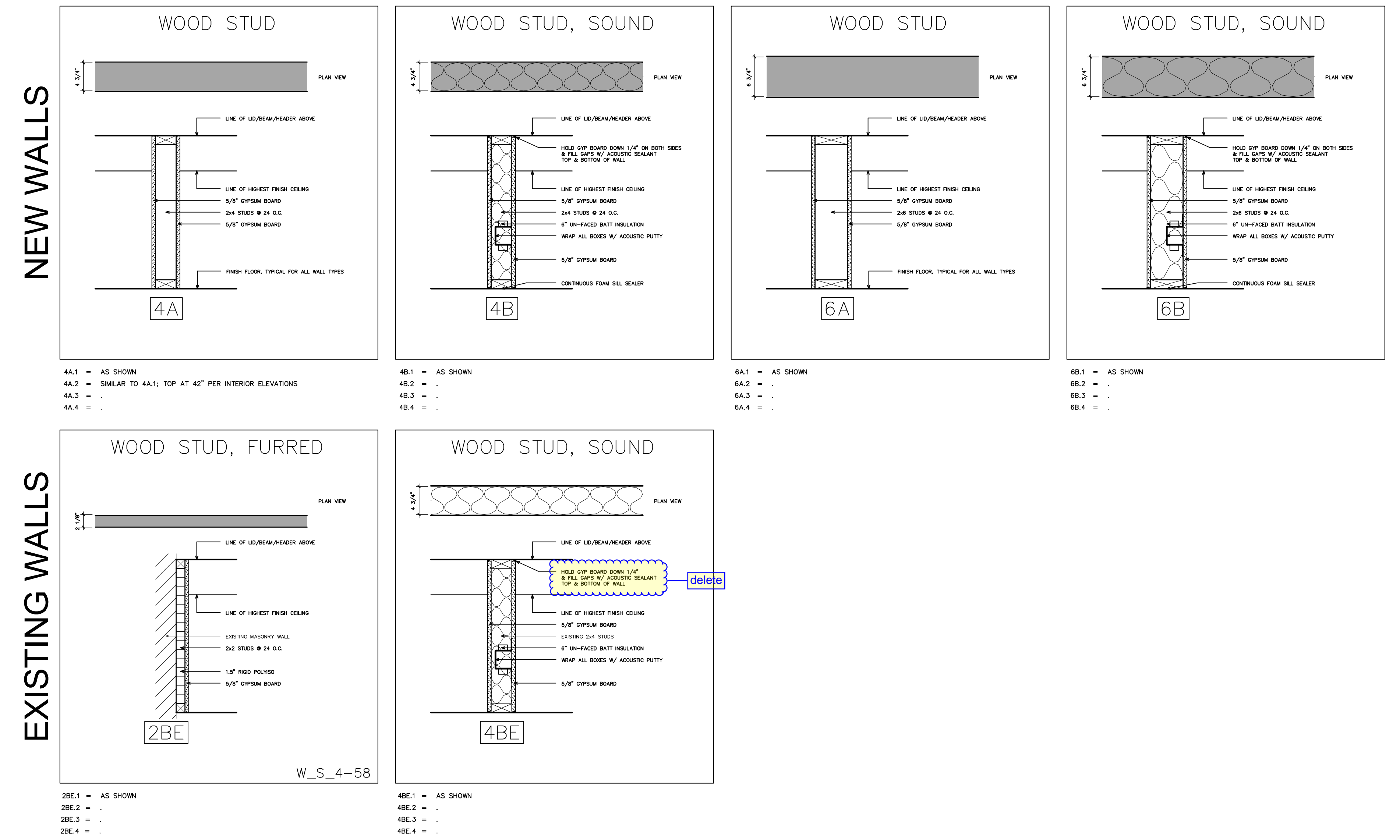
DOOR SCHEDULE LEGEND	
WDA	1 3/4" SOLID-CORE, FLUSH WOOD DOOR, BIRCH, FACTORY FINISH
WDA	18 GA. FLUSH GALVANIZED HOLLOW METAL DOOR, 1 3/4" THICK, POLYISO CORE, CECCO "IMPERIAL"
WFA	3/4" WOOD FRAME, BIRCH, FACTORY FINISH
WFB	16 GA. WELDED HOLLOW METAL FRAME, CECCO SQ, PAINTED
WFC	14 GA. THERMALLY BROKEN WELDED HOLLOW METAL FRAME, STEELCRAFT FT14, GALVANIZED PAINTED
WFD	MFC WITH NO RETURNS ON N. SIDE OF FRAME TO ACCOMMODATE WOOD TRIM/WAINSCOTING
B-1	1 1/2 PR. STANLEY FB168-NRP, HEAVY-DUTY, 26D
B-2	2 PR. STANLEY FB168-NRP, HEAVY-DUTY, 26D

LOCKS:	
BEST 9K37 SERIES;	16K LEVER/ROSE; 626 SATIN CHROME FINISH - ALL TYPICAL UNLESS NOTED OTHERWISE
K-1	ENTRANCE/OFFICE
K-2	STOREROOM
K-3	PASSAGE
K-4	PRIVACY
K-5	DUMMY SET
K-6	STANDARD DEAD-BOLT ABOVE LOCKSET
K-11	VON DUPRIN 992L-03 EXT DEVICE LEVER LOCK ENTRY
T-1	TRIMCO 1270CV, WALL STOP, PROVIDE BLOCKING
T-2	TRIMCO 1209 HEAVY DUTY FLOOR STOP
T-3	TRIMCO 1240 HINGE PIN STOP
C-2	LCN 4041-72-3077 SERIES CLOSER WITH CUSH ARM, ALU FINISH
C-3	HORTON 7000 HANDICAP DOOR OPERATOR WITH WIRELESS CONTROLS & ELEC. STRIKE INTERLOCK

DOOR NOTES	
1	DOOR IN EXISTING OPENING; GC TO CONFIRM SIZE
2	DOOR IN MODIFIED EXISTING OPENING; GC TO CONFIRM SIZE
3	KEYSIDE AND DEADBOLT DETAIL ON S. SIDE OF DOOR/WALL
4	FULL LITE GLAZING PER DOOR ELEVATION
5	EXISTING DOOR TO BE MODIFIED AS NEED TO ACCOMMODATE ADDED ADA OPERATOR AND ASSOCIATED
6	REPAIR EXISTING DOOR & FRAME
7	SEE/AS FOR DOOR 120 DETAILS ; door to be lockable from w. side



*** SEE FINISH SCHEDULE & TYPICAL WALL SECTIONS FOR OTHER CONDITIONS/FINISHES ***



Owners to advise ASAP

add flush-bolts; n. leaf active

M-2; M-1 without thermal separators

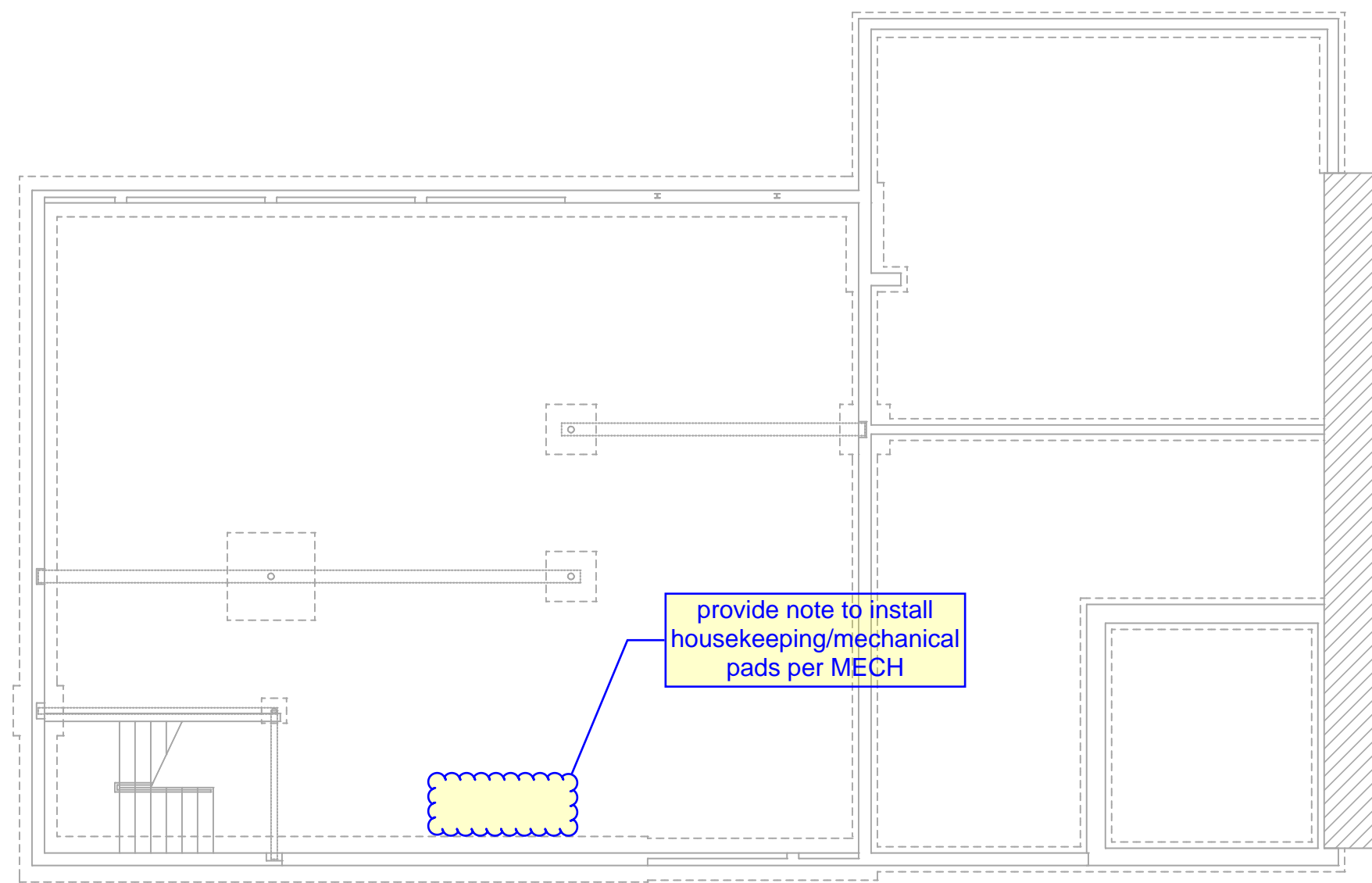
need to check these on site

detail

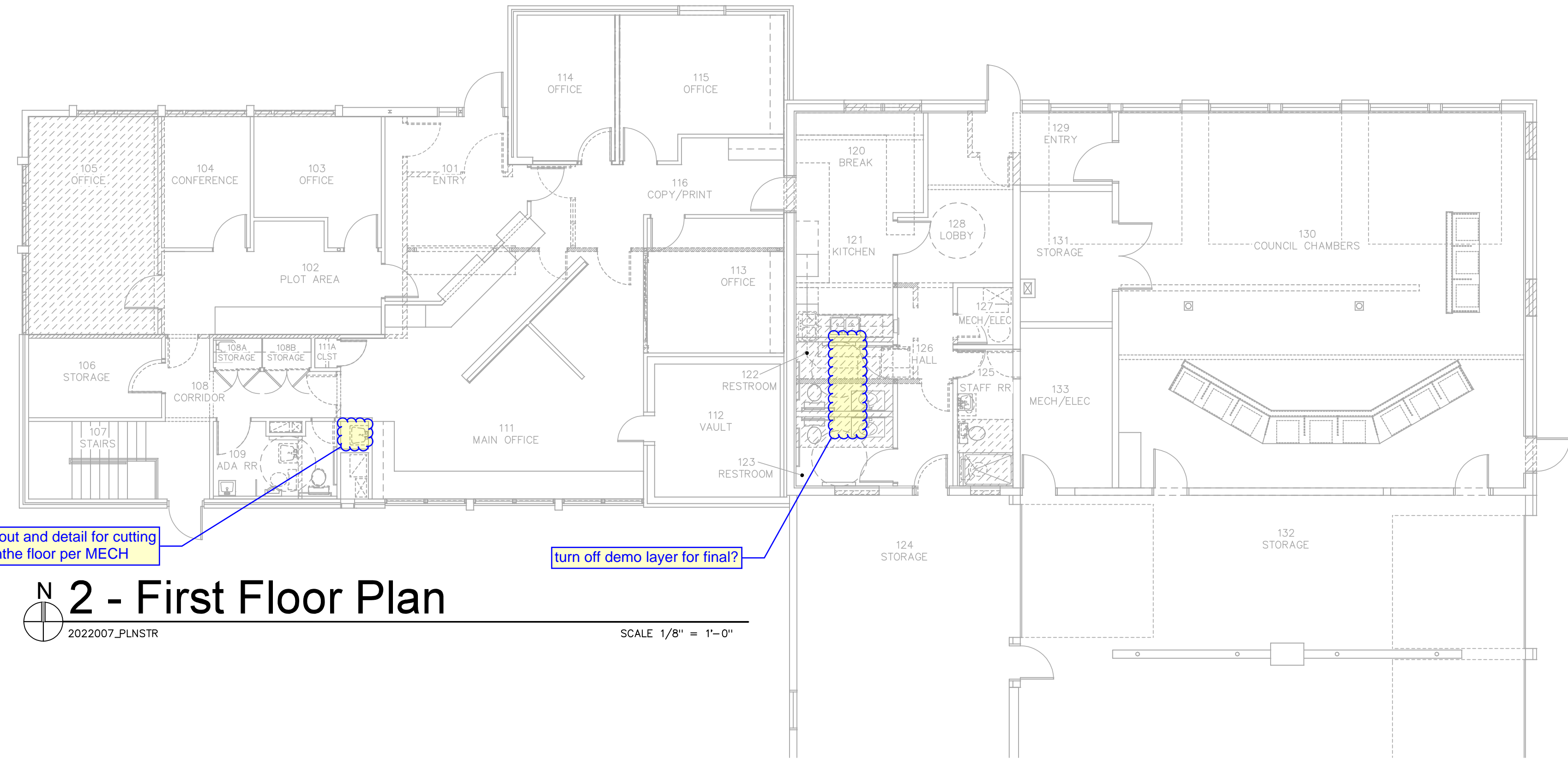
residential

delete

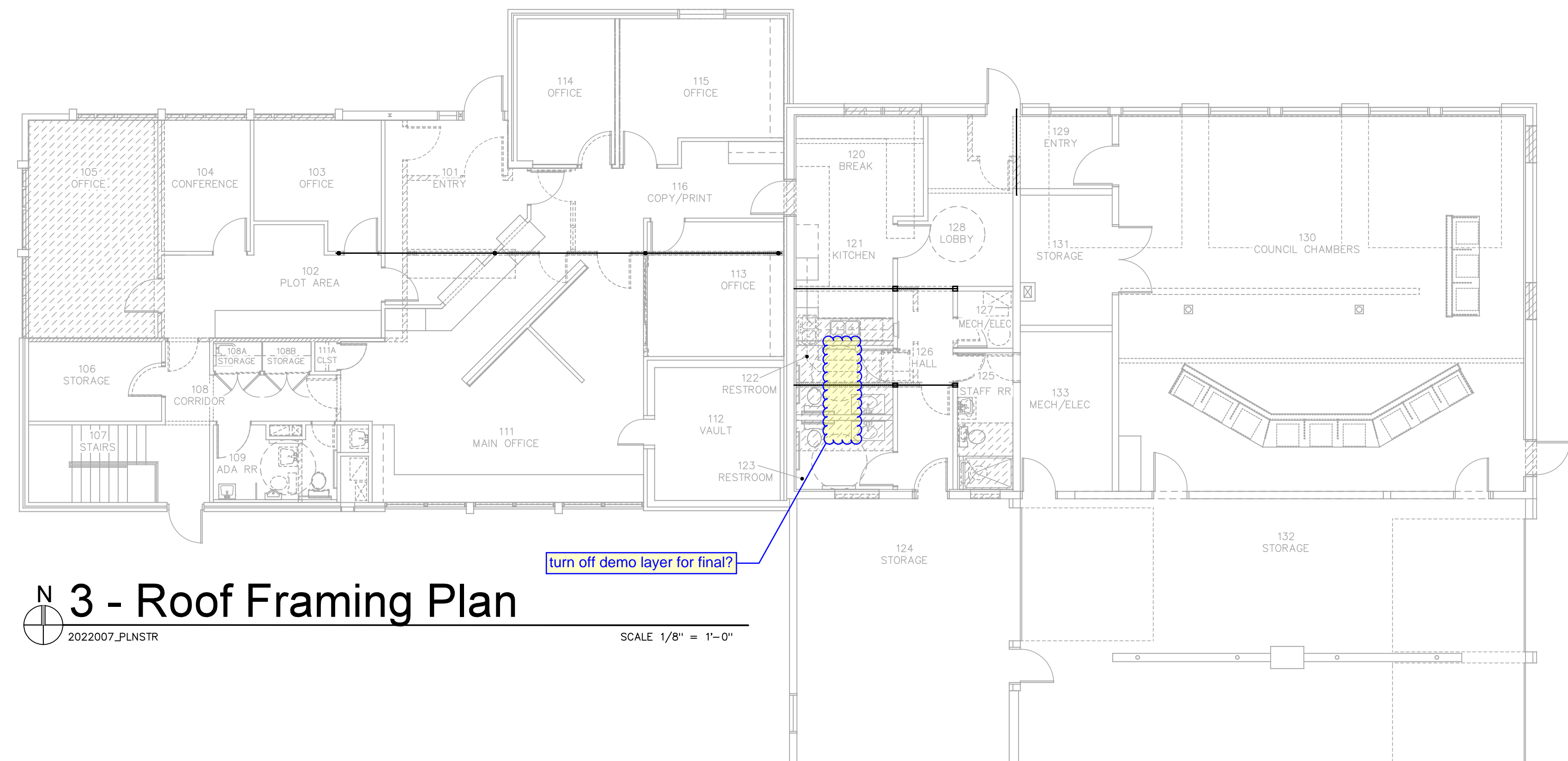
7/10/2023 11:56 AM 2023-07-10 10:00:00 - Sidney City Hall Remodel (20230710) (REV) 1:2 Dimensions & Wall Types



N 1 - Basement Foundation Plan
 2022007_PLNSTR SCALE 1/8" = 1'-0"



N 2 - First Floor Plan
 2022007_PLNSTR SCALE 1/8" = 1'-0"



N 3 - Roof Framing Plan
 2022007_PLNSTR SCALE 1/8" = 1'-0"

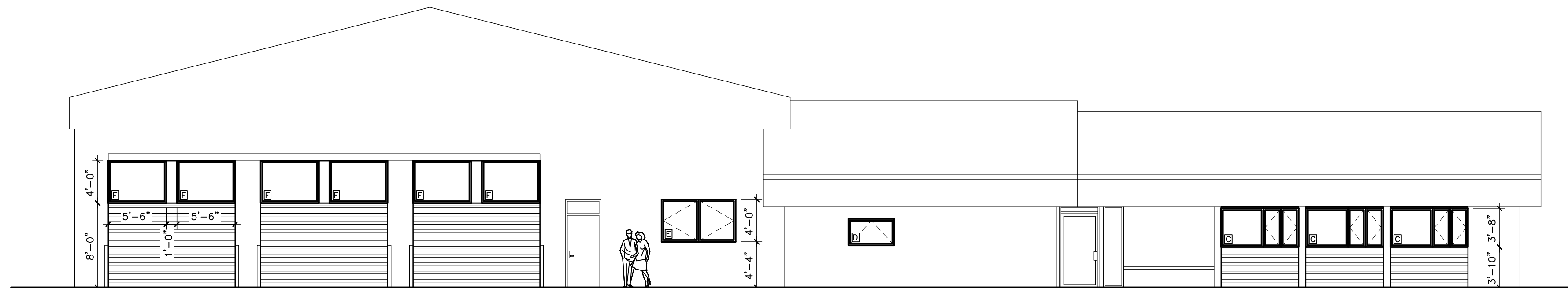


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 DATE 07.10.2023

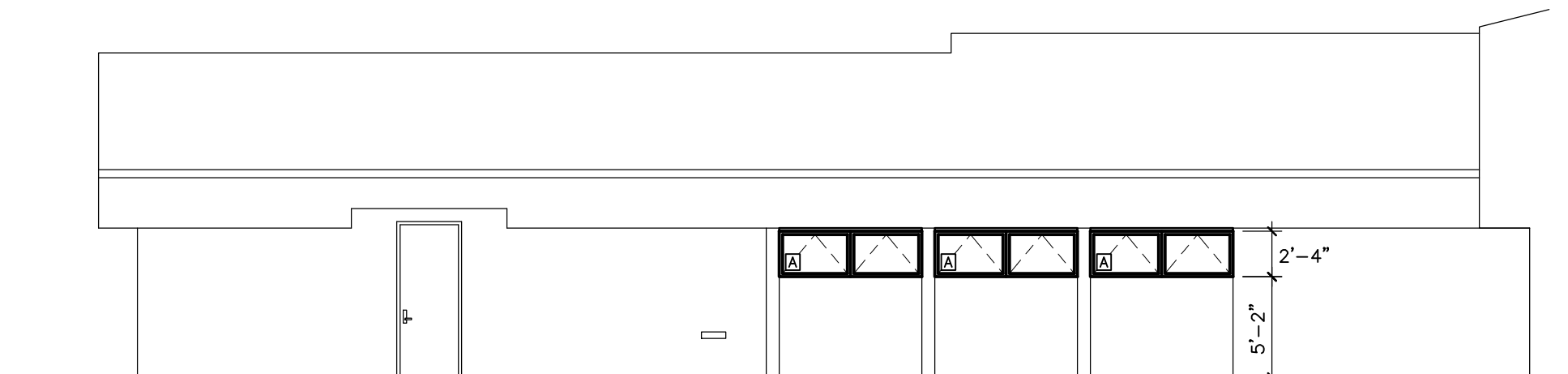
Structural
 Plans &
 Details

7/10/2023 11:56 AM 2023-07-10 10:00:00 - Sidney City Hall Remodel (2022007) (SAI) 3 - Structural Plan & Details



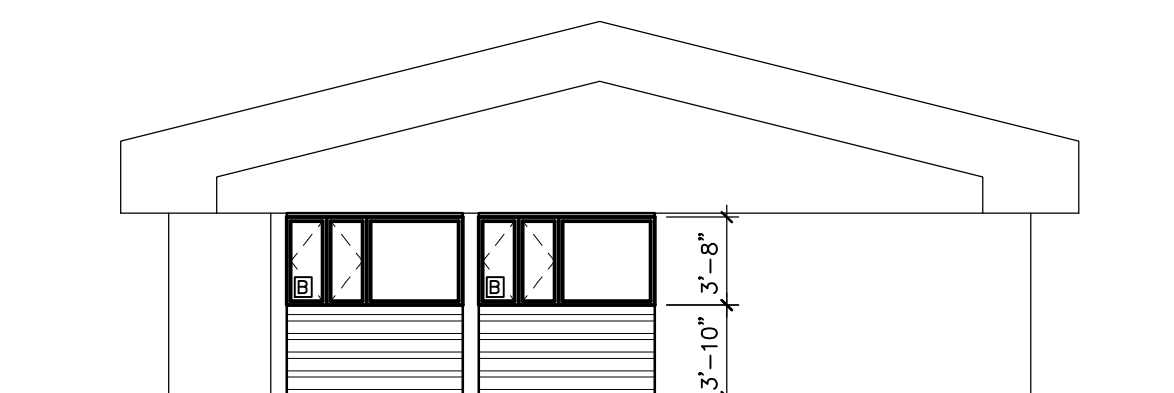
1 - North Elevation

SCALE 1/8" = 1'-0"



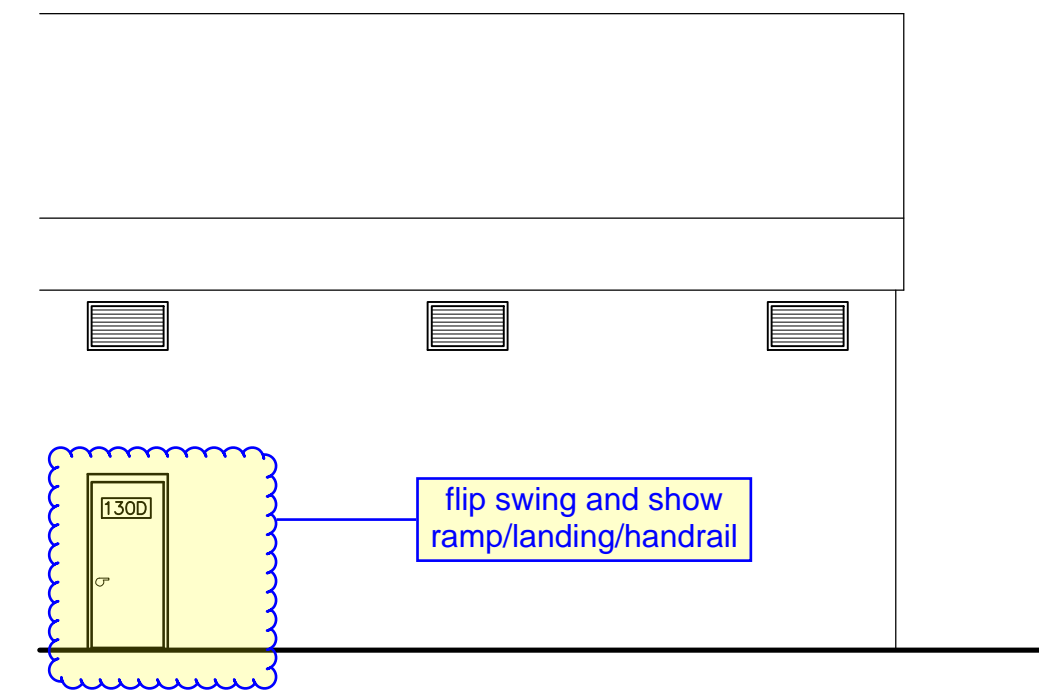
2 - South Elevation

SCALE 1/8" = 1'-0"



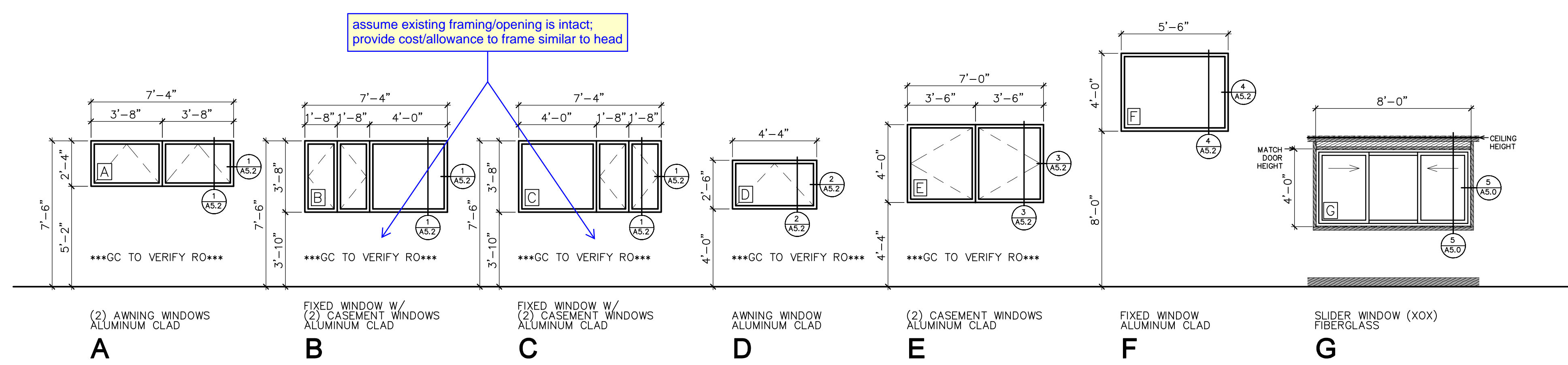
3 - West Elevation

SCALE 1/8" = 1'-0"



4 - East Elevation

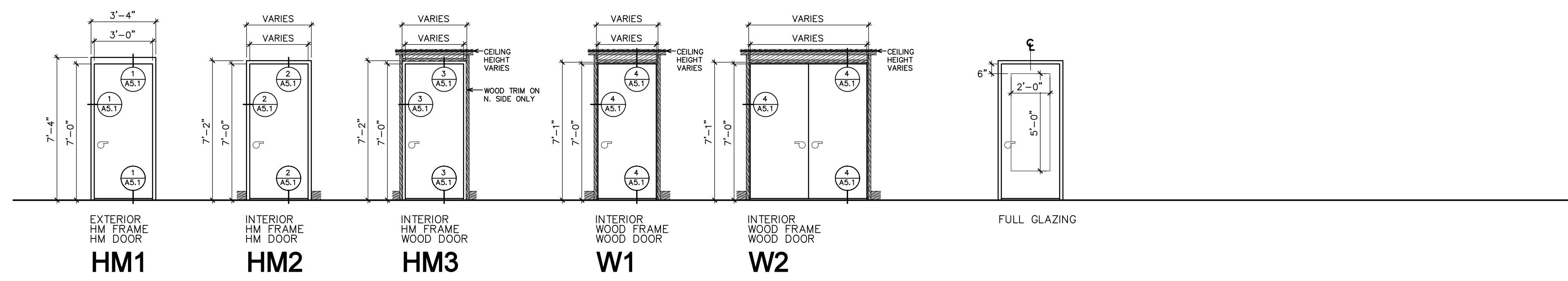
SCALE 1/8" = 1'-0"



5 - Window Elevations

2022007_ELV D&W

1/4" = 1'-0"



6 - Door Elevations

2022007_ELV D&W

1/4" = 1'-0"

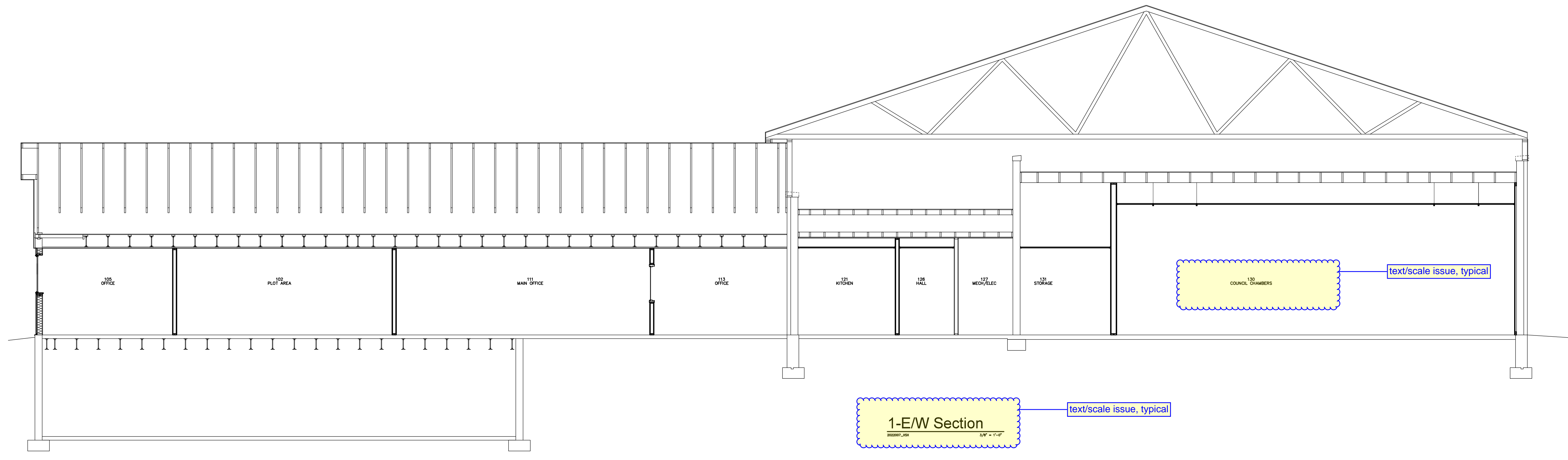
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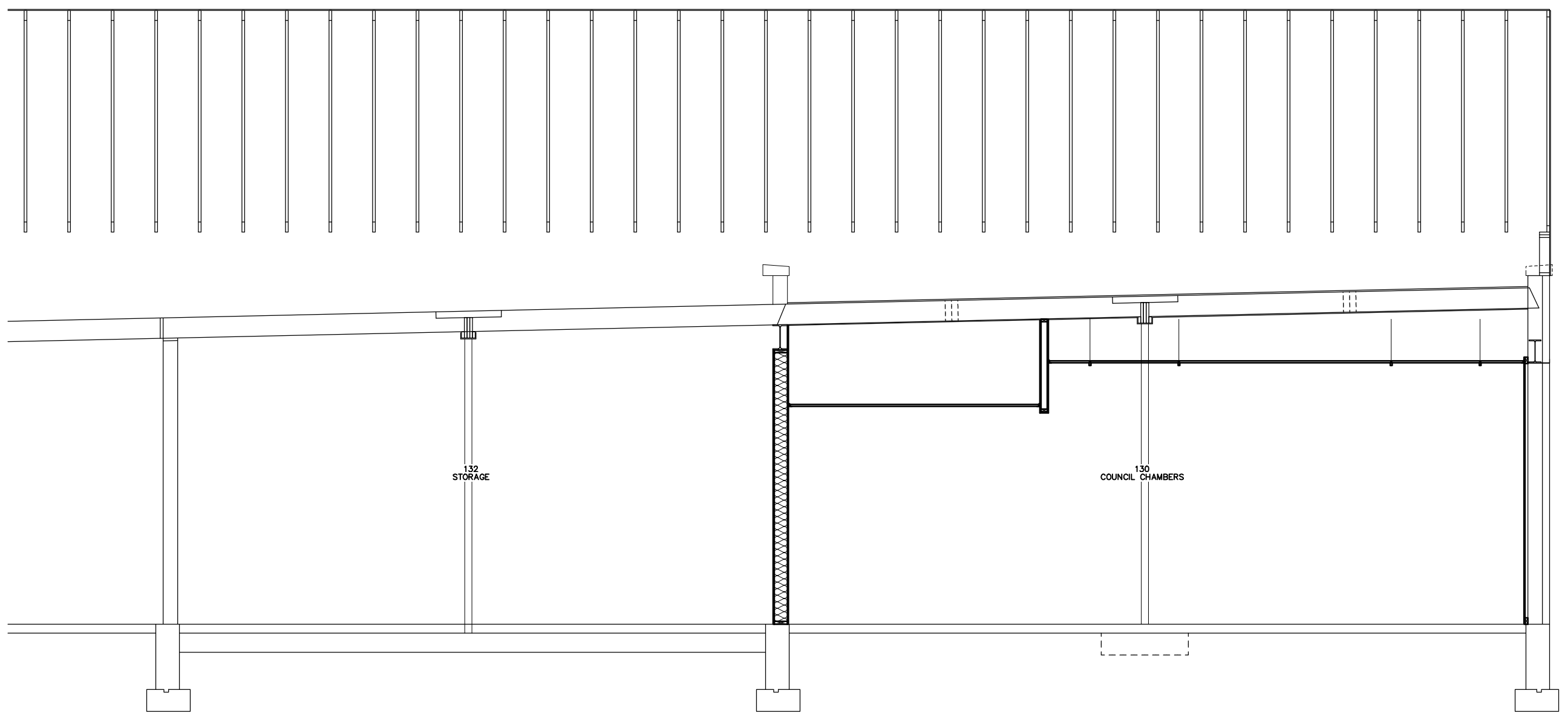
Exterior &
 Door/Window
 Elevations

A2.0

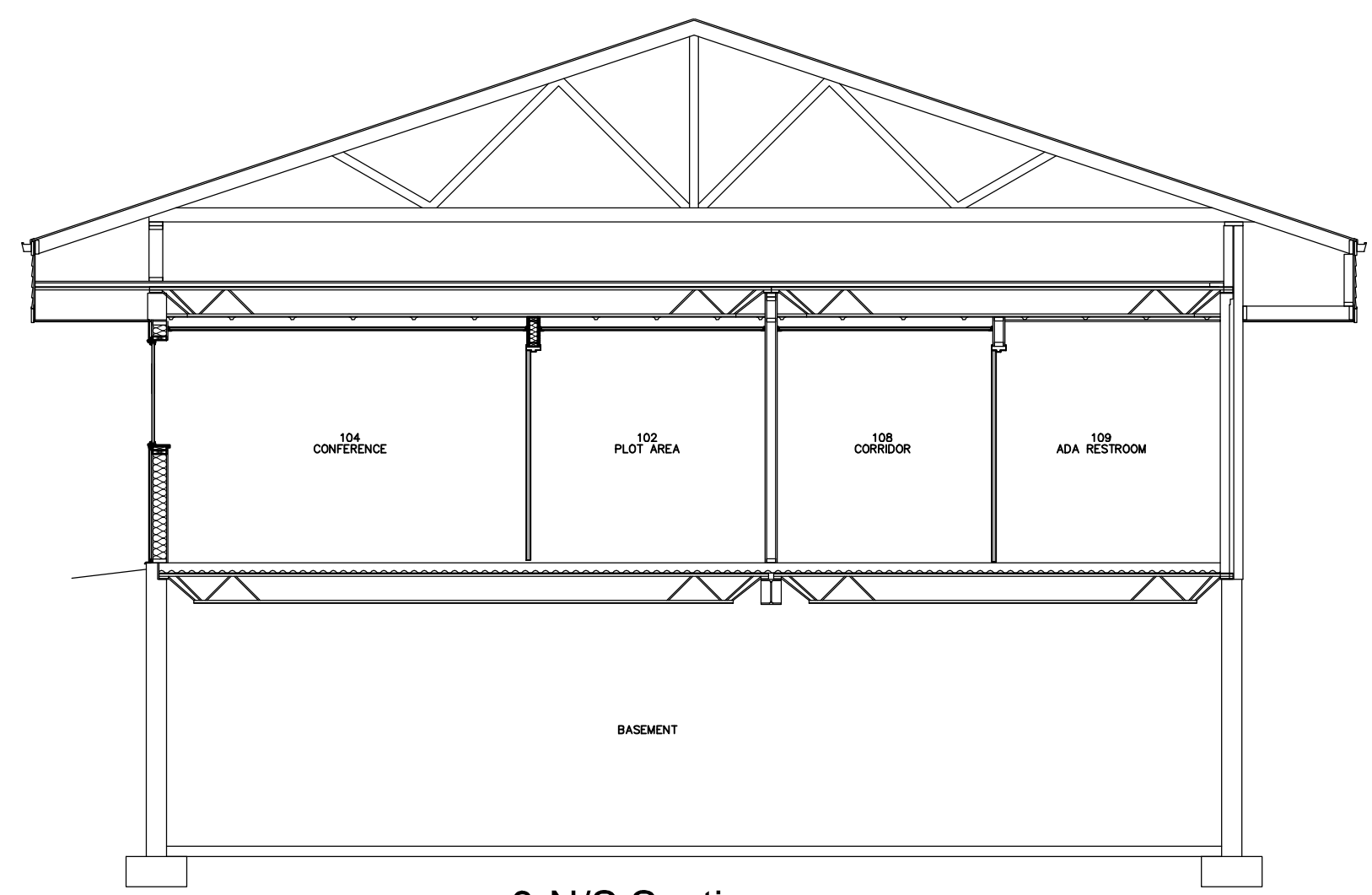
7/10/2023 11:56 AM 2023-07-10 10:00:00 - Sidney City Hall Remodel (2022007) (A2) Exterior Elevations



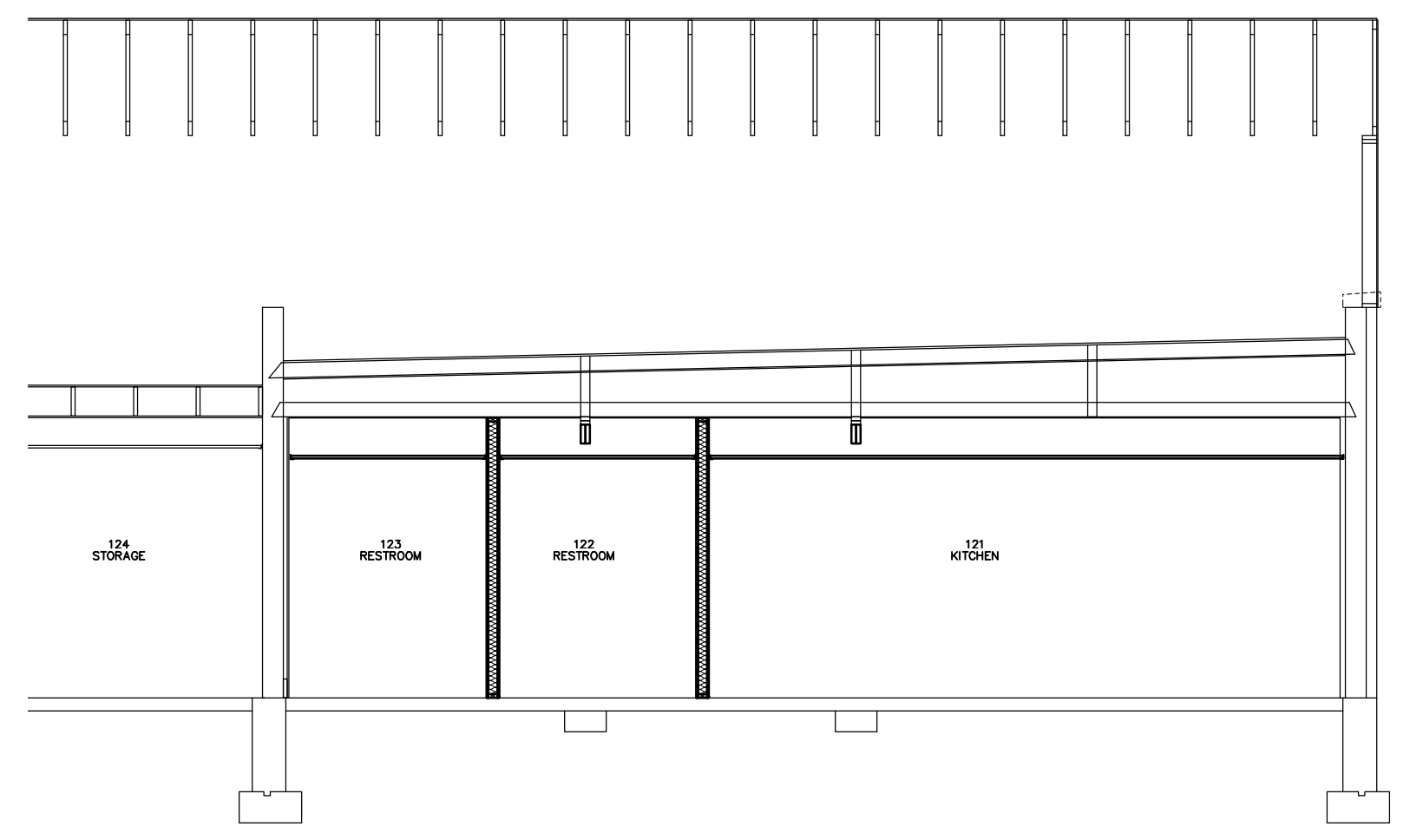
1-E/W Section
202207_01X 5/8" = 1'-0"



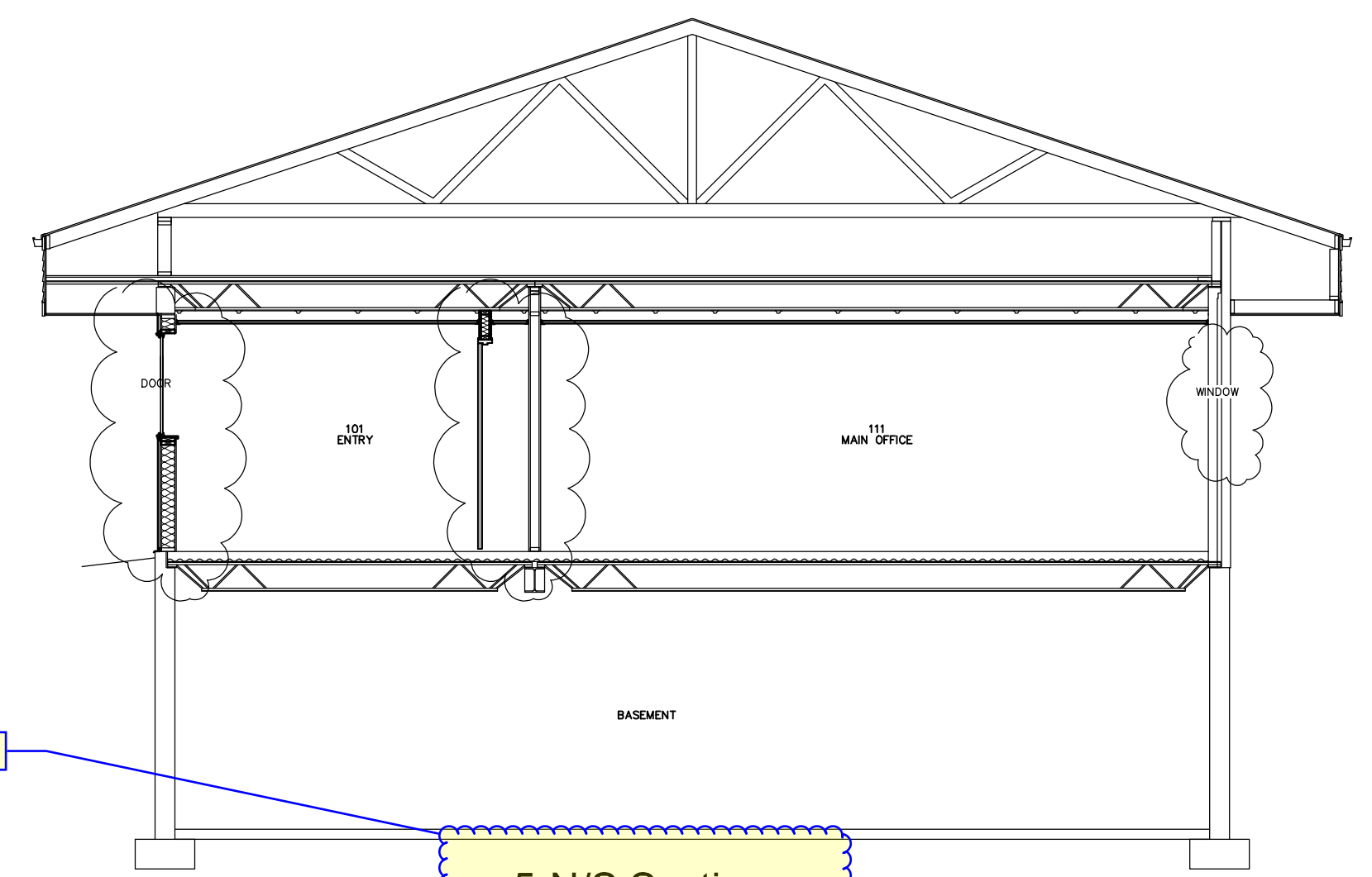
2-N/S Section
202207_01X 5/8" = 1'-0"



3-N/S Section
202207_01X 5/8" = 1'-0"



4-N/S Section
202207_01X 5/8" = 1'-0"



5-N/S Section
202207_01X 5/8" = 1'-0"

Preliminary Drawings -- Not For Construction

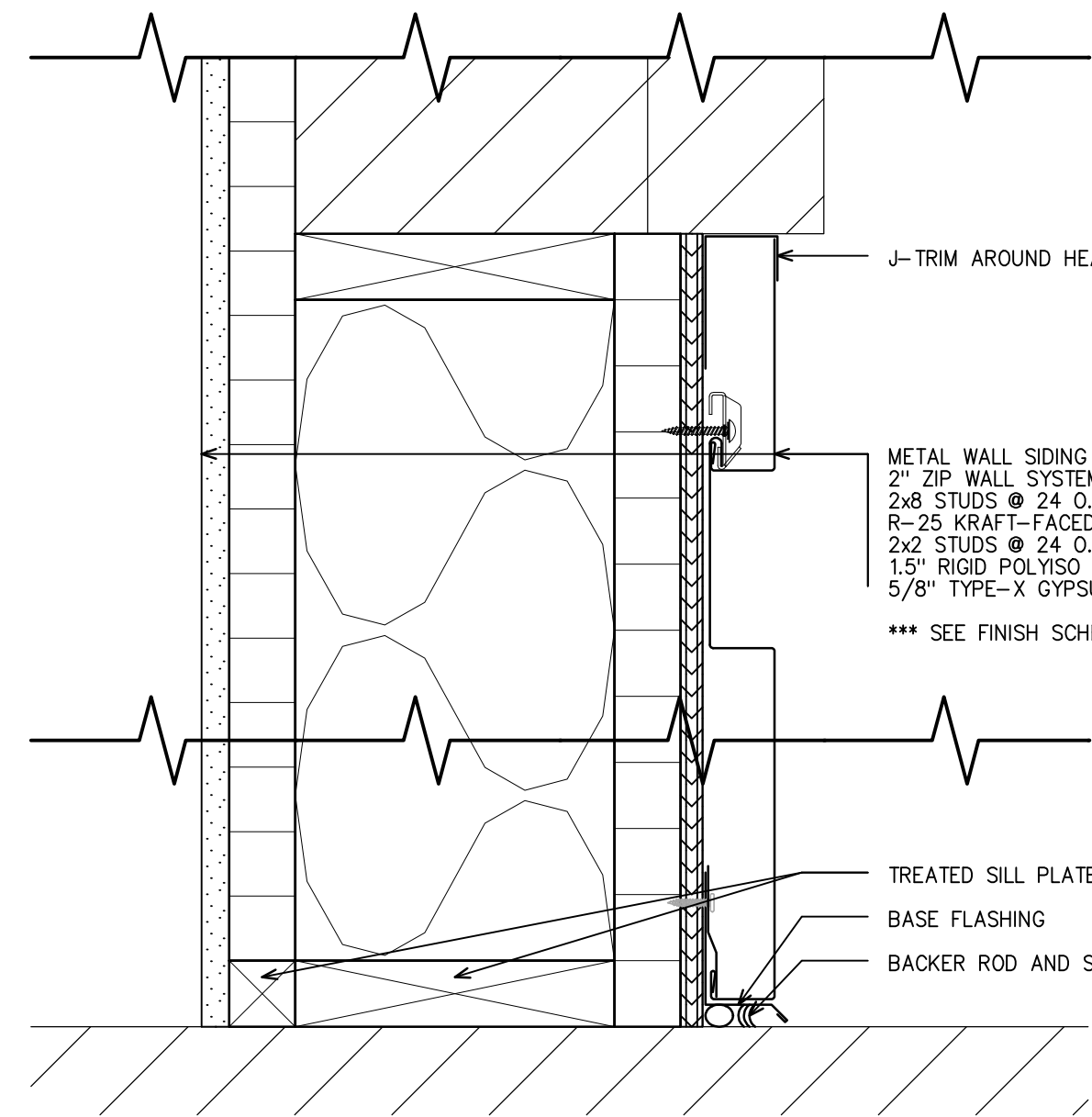


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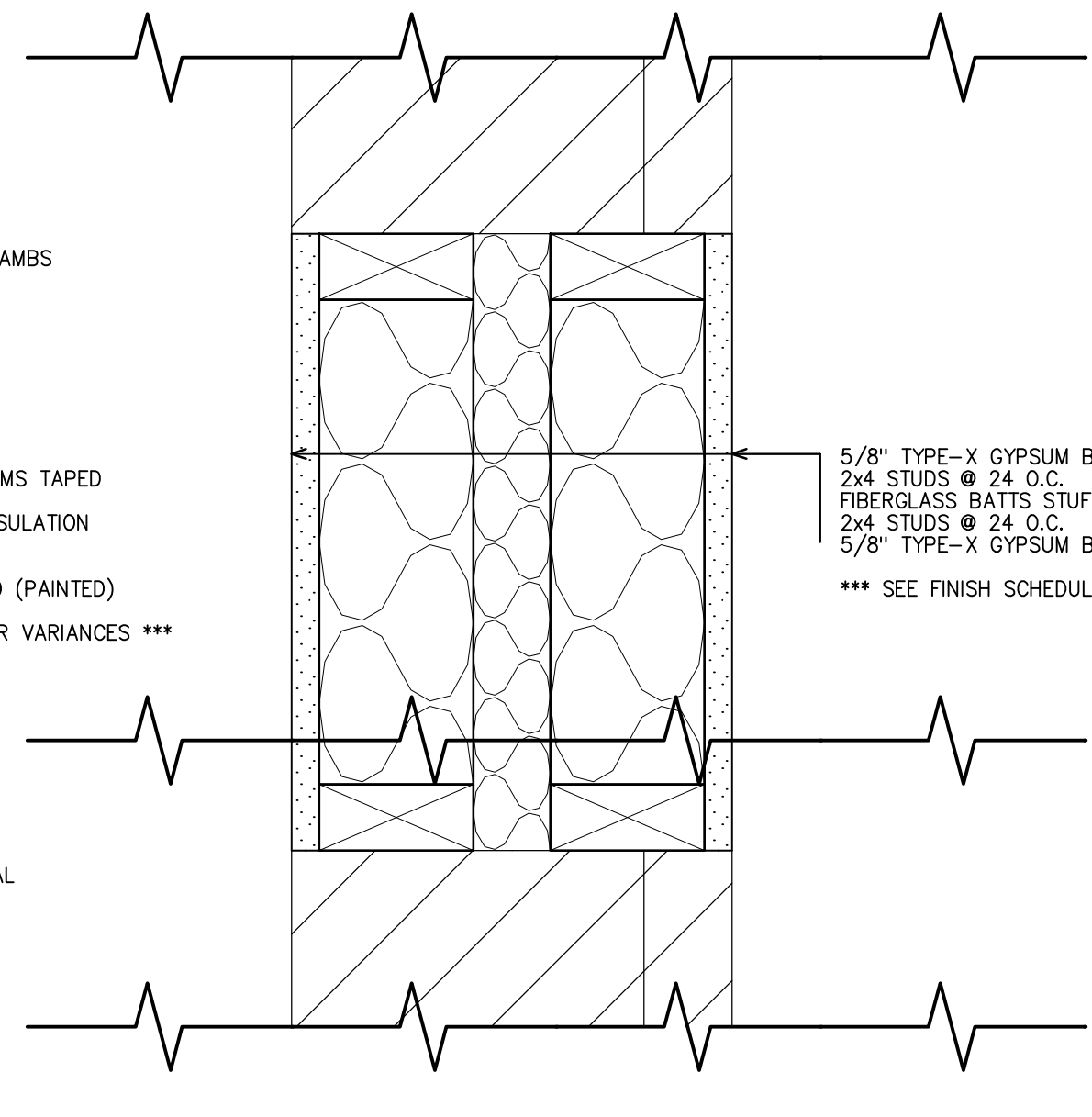
Building Sections

7/10/2023 11:56 AM 2023-07-10 10:20:07 - Sidney City Hall Remodel (2022007) (4/11/23) Building Sections



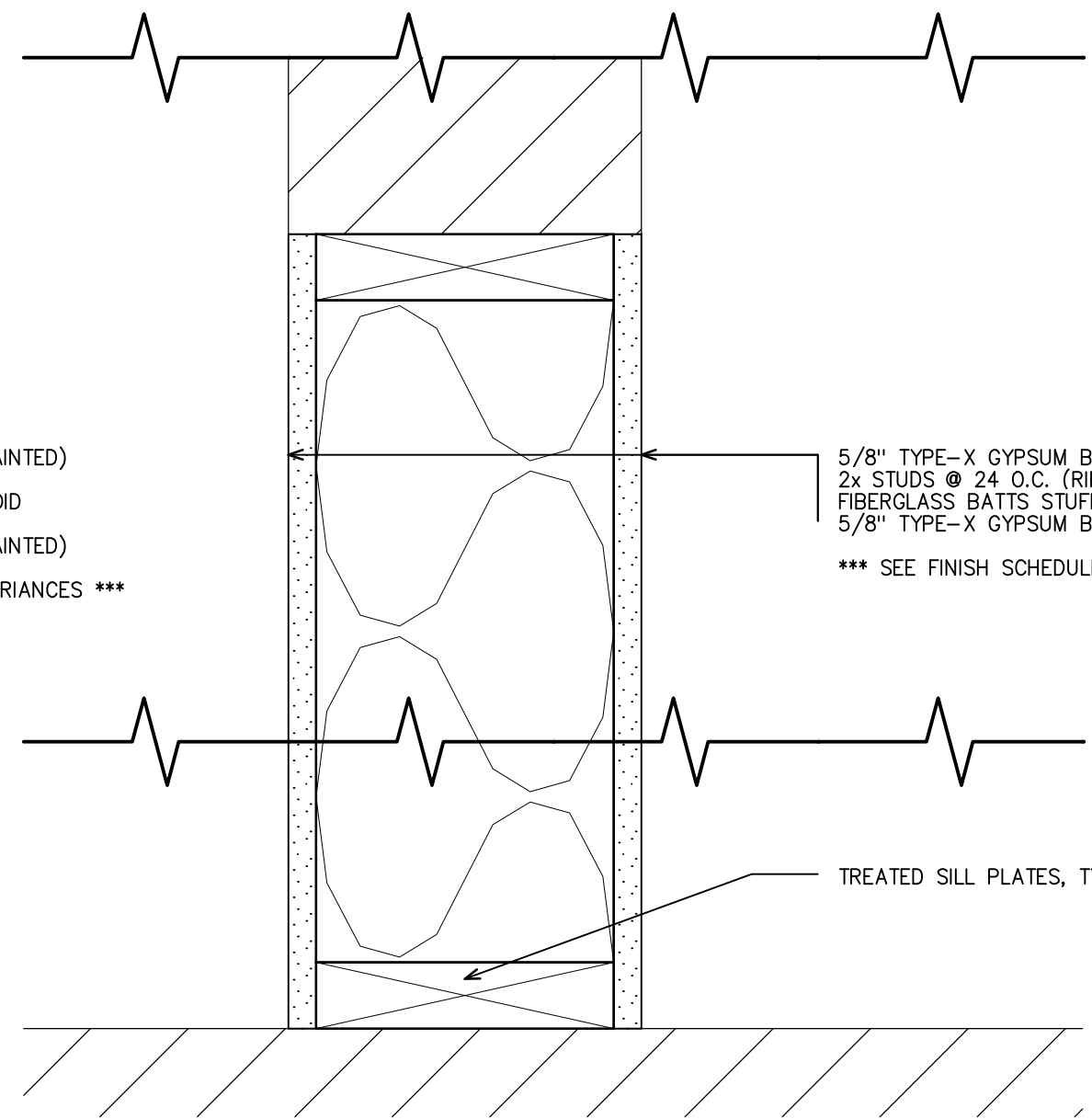
1 - Garage Door Infill

2022007_DET_INFILLS 3" = 1'-0"



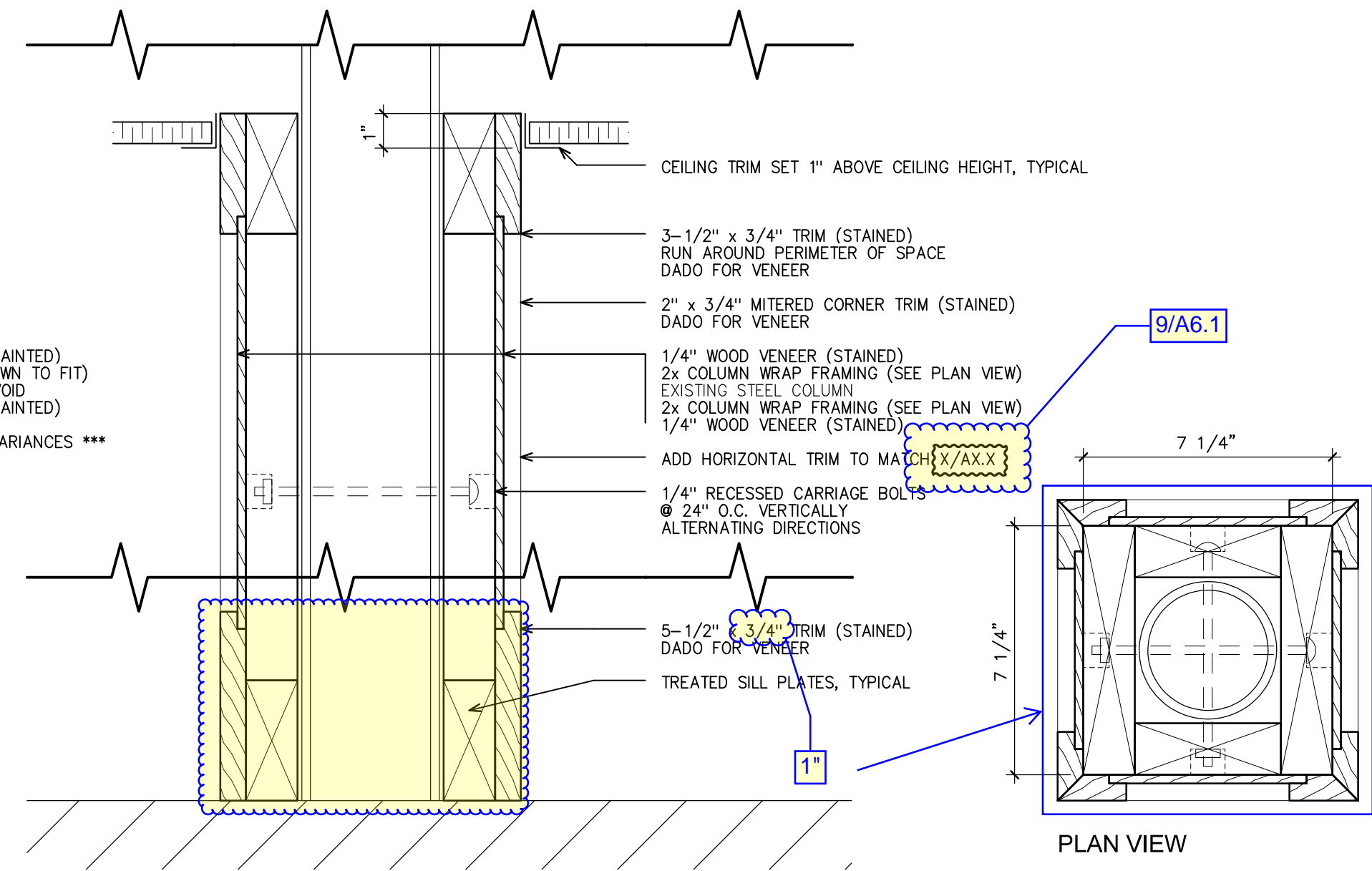
2 - Window Infill

2022007_DET_INFILLS 3" = 1'-0"



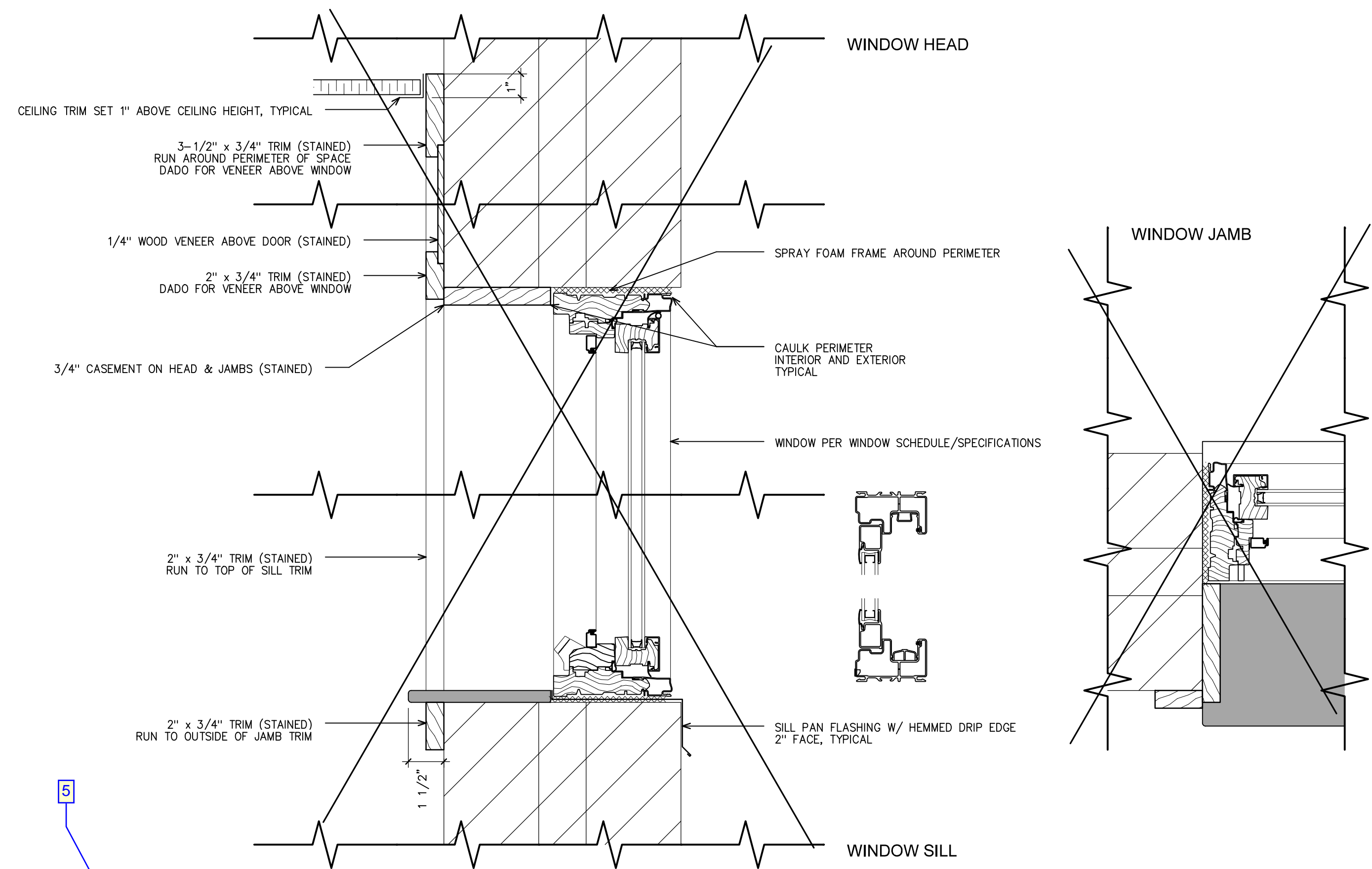
3 - Door Infill

2022007_DET_INFILLS 3" = 1'-0"



4 - Column Wrap

2022007_DET_INFILLS 3" = 1'-0"



1 - Window G Details

2022007_DET_D&W 3" = 1'-0"

ADD:
Roof penetration details
Wainscote details

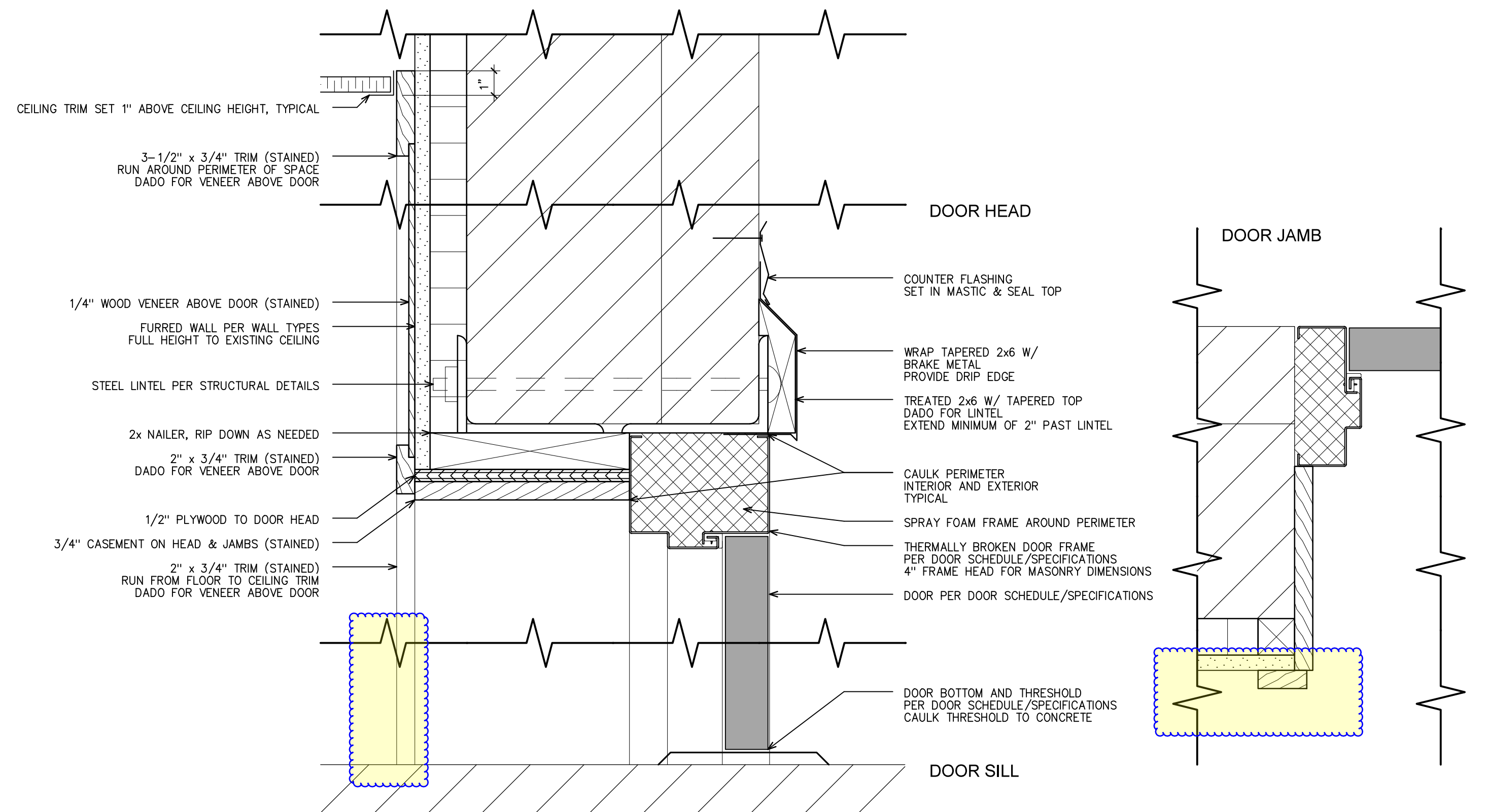


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JOB # 2022007
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DATE 07.10.2023

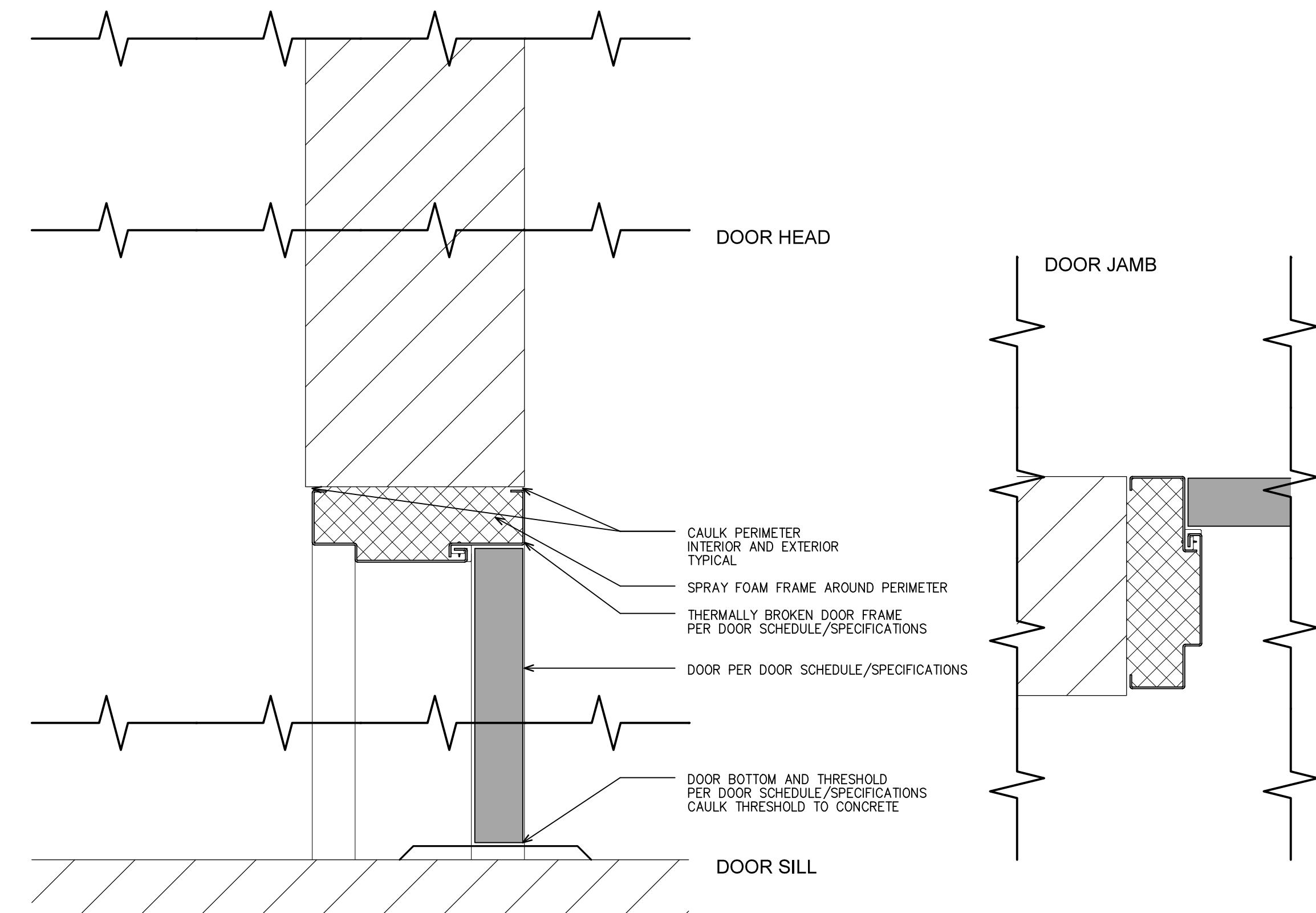
Details



1 - HM1 Details

2022007_DET_D&W

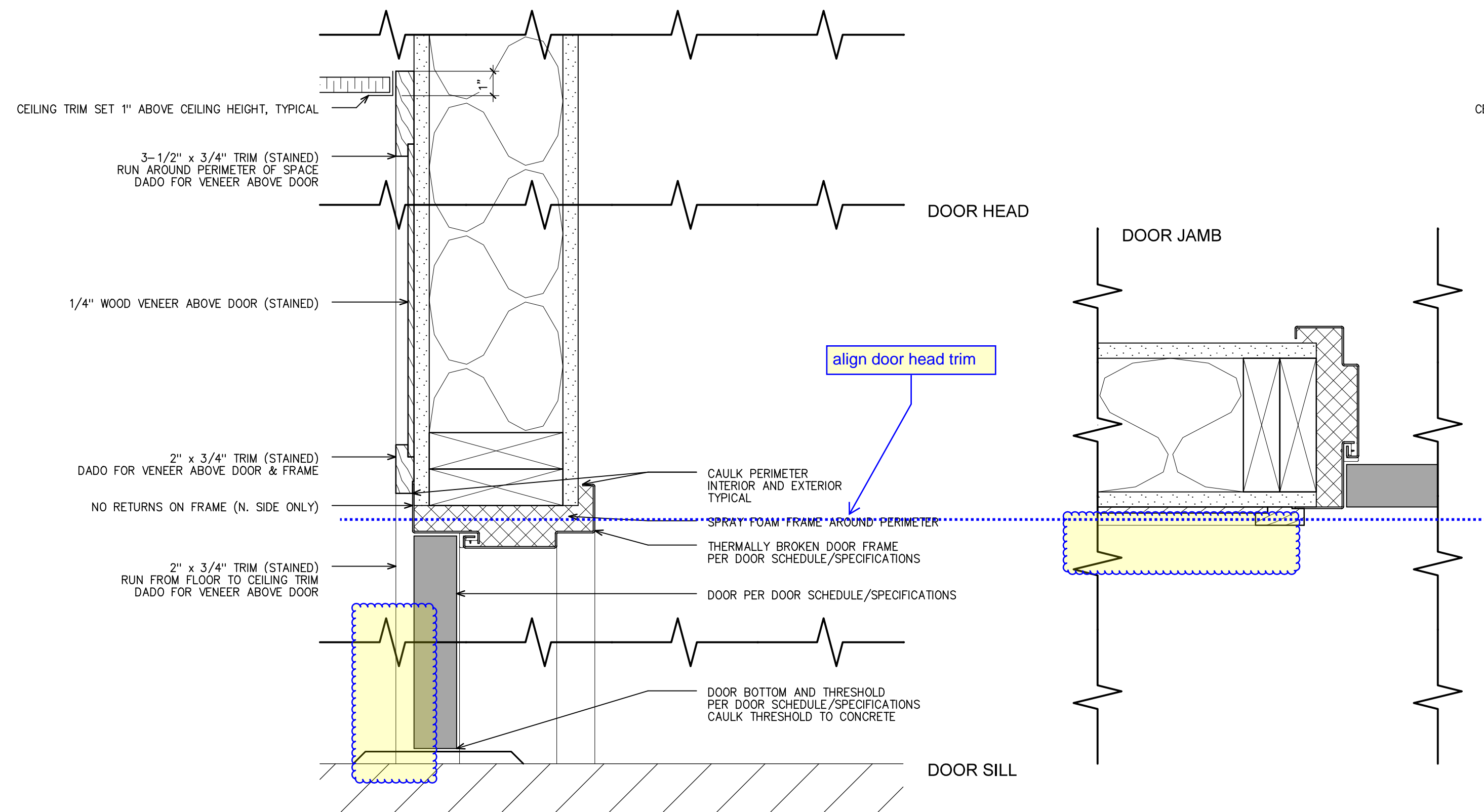
3" = 1'-0"



2 - HM2 Details

2022007_DET_D&W

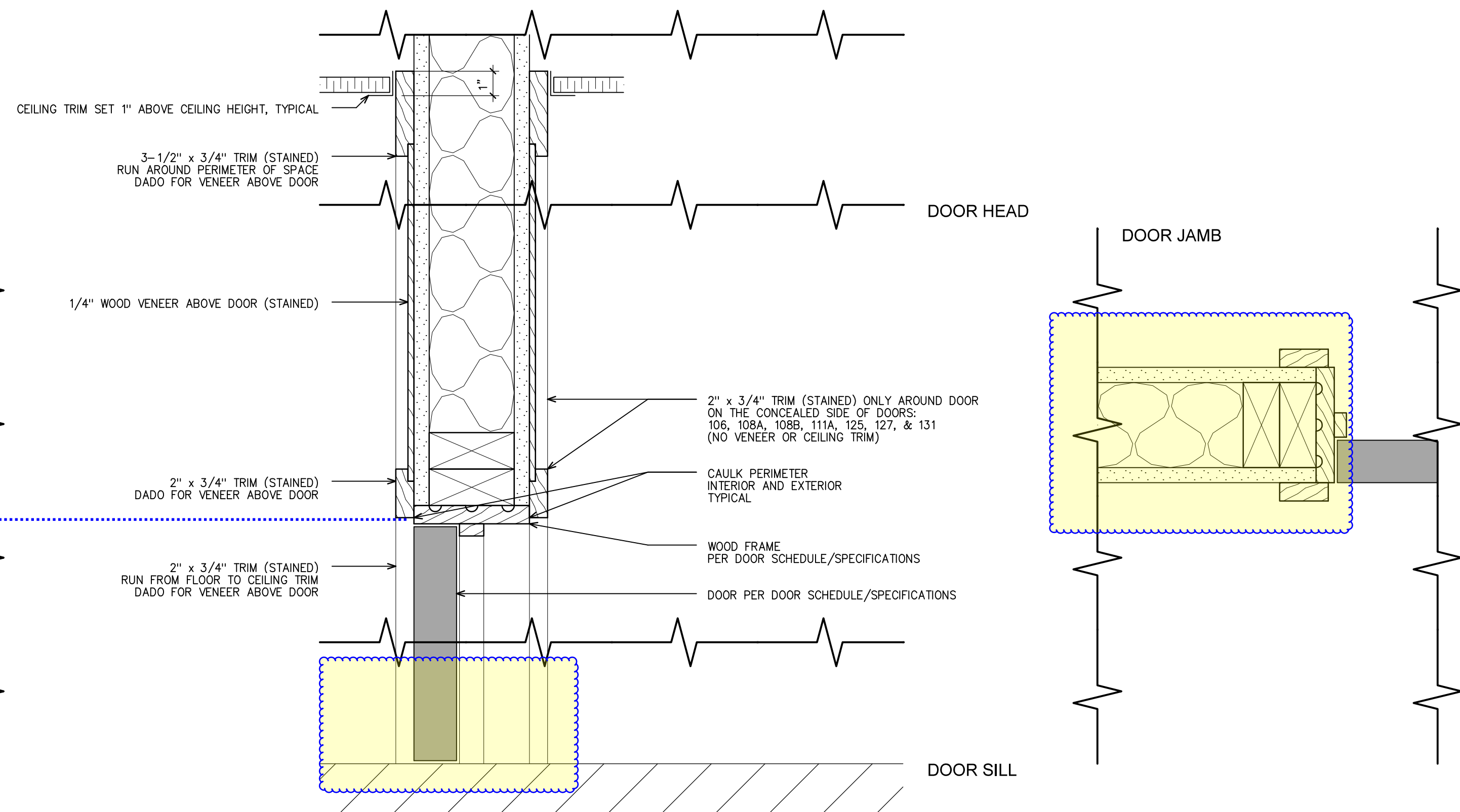
3" = 1'-0"



3 - HM3 Details

2022007_DET_D&W

3" = 1'-0"



4 - W1 & W2 Details

2022007_DET_D&W

3" = 1'-0"

Preliminary Drawings -- Not For Construction

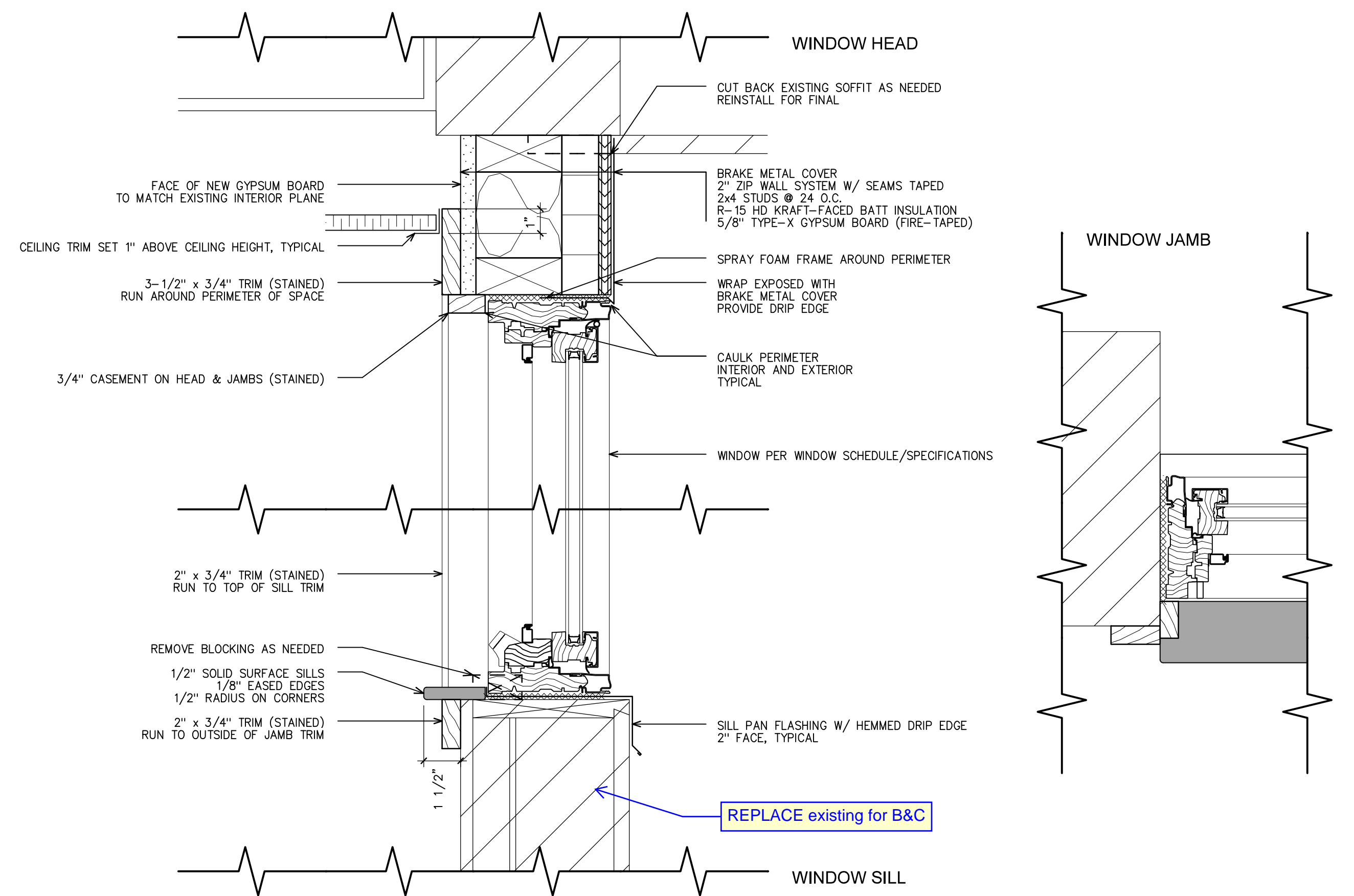
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JOB # 2022007
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Details

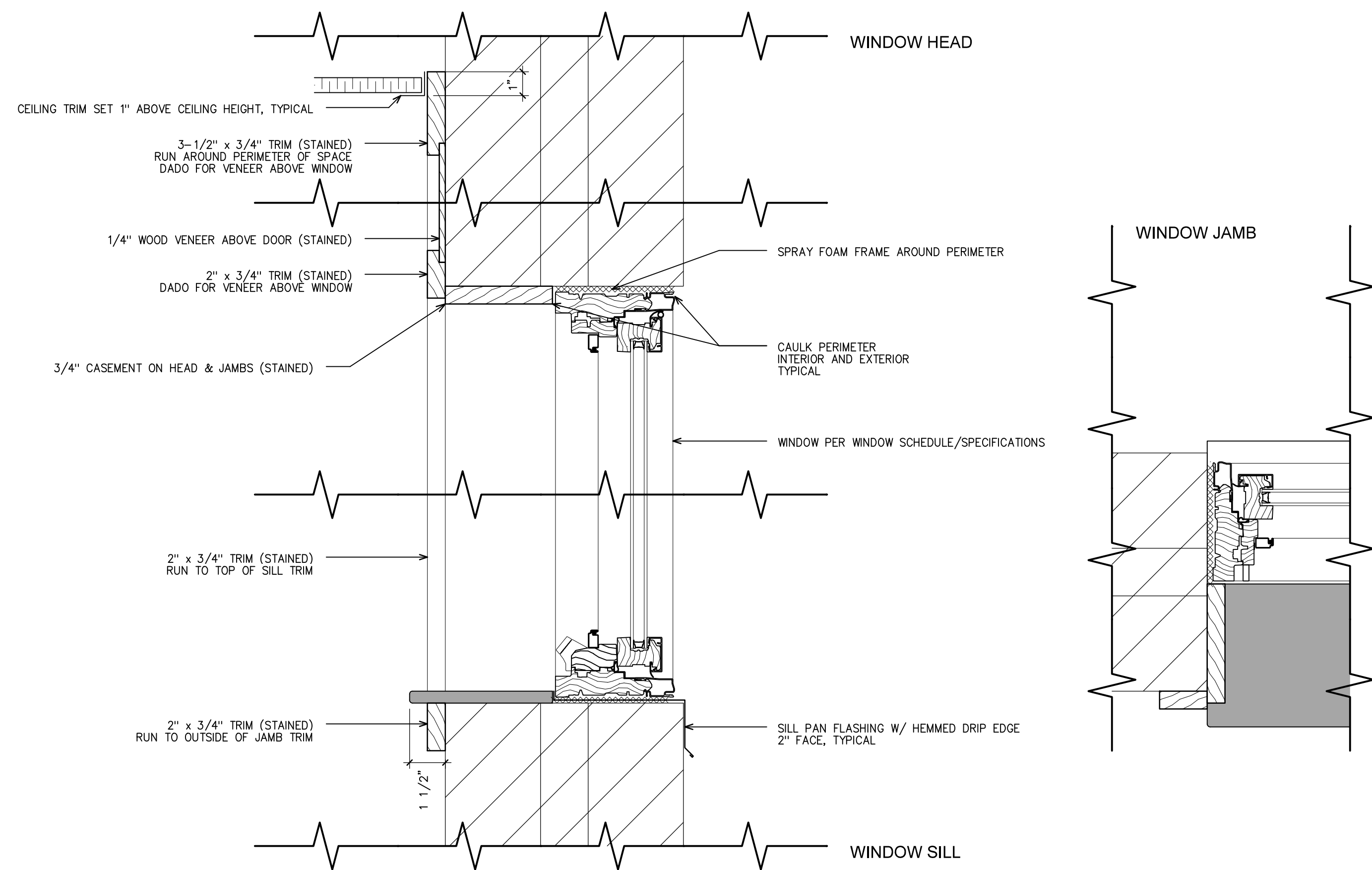
7/10/2023 11:56 AM 2023-07-10 10:00:00 - Sidney City Hall Remodel 2022007-04-01-01-01 Details



1 - Window A Details (B & C Windows are similar)

2022007_DET_D&W

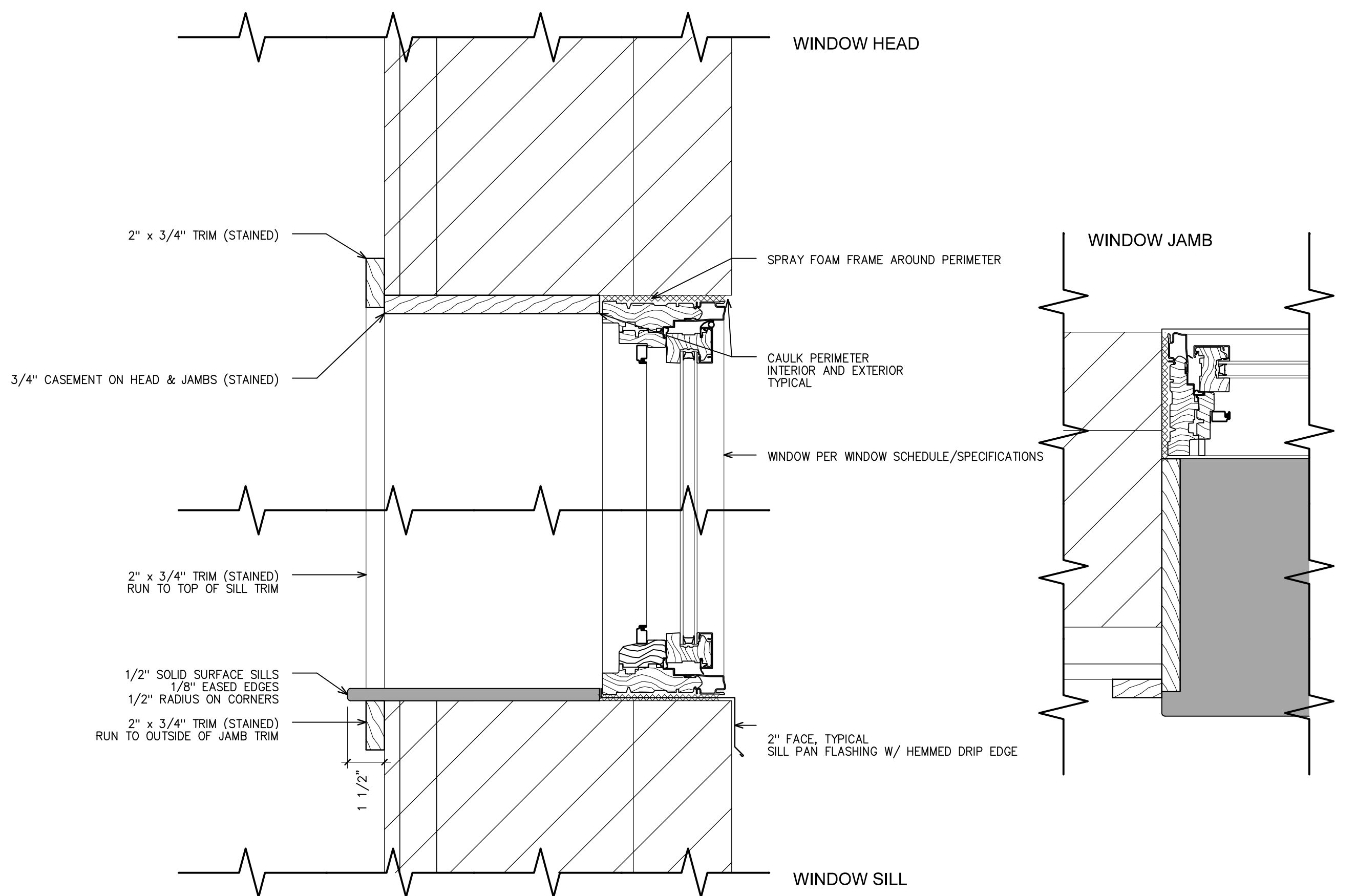
3" = 1'-0"



2 - Window D Details

2022007_DET_D&W

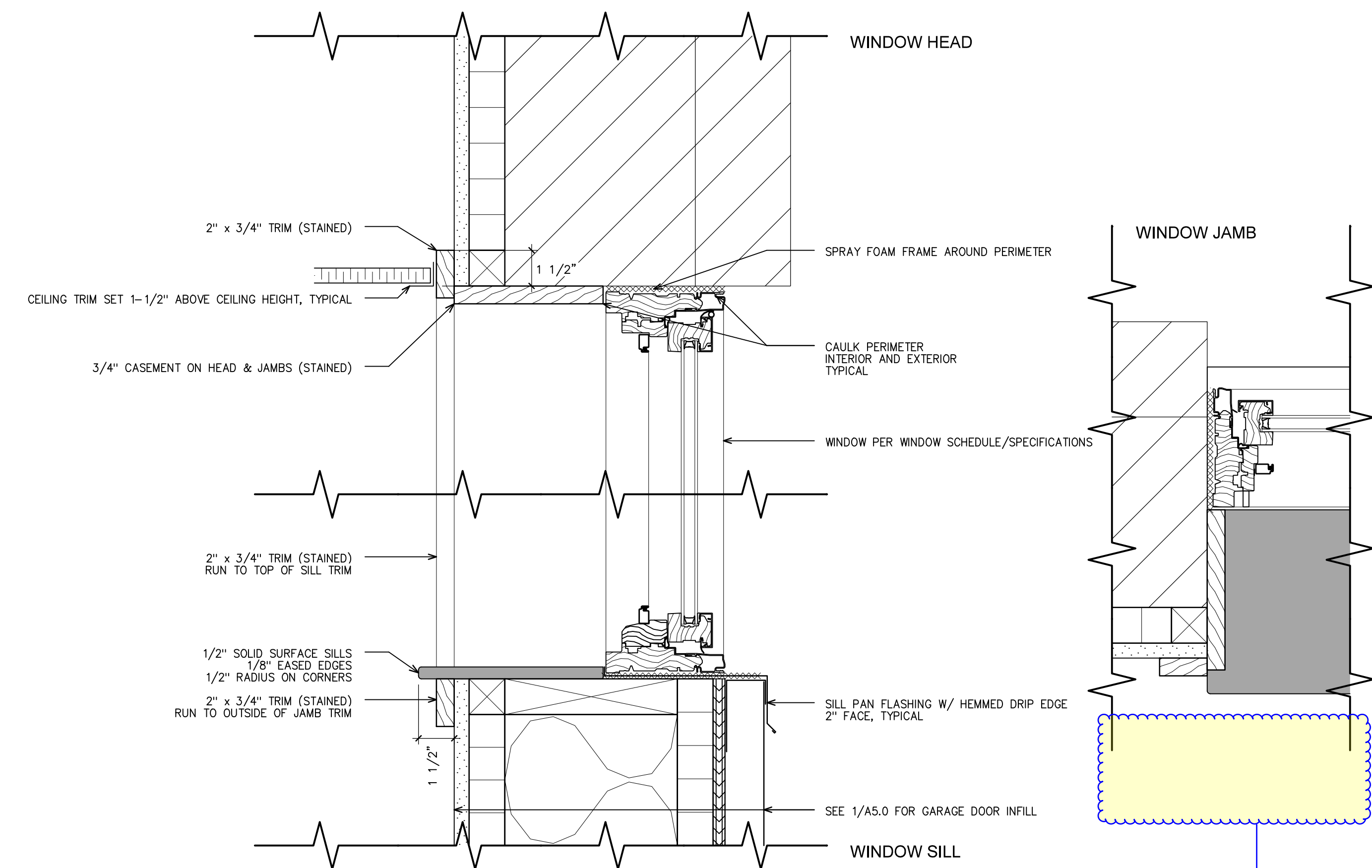
3" = 1'-0"



3 - Window E Details

2022007_DET_D&W

3" = 1'-0"

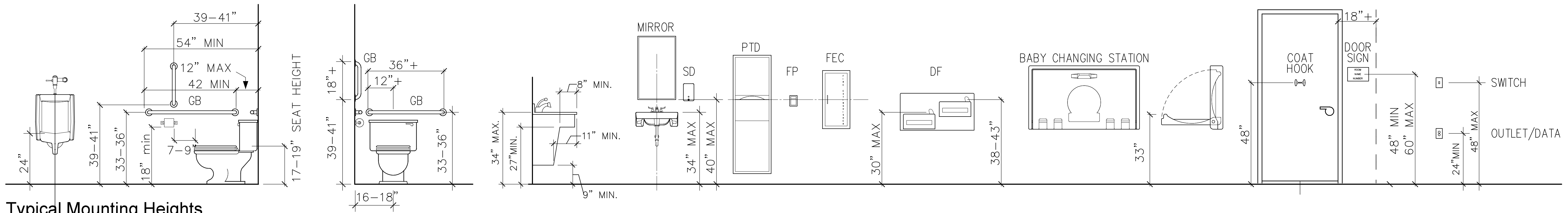


4 - Window F Details

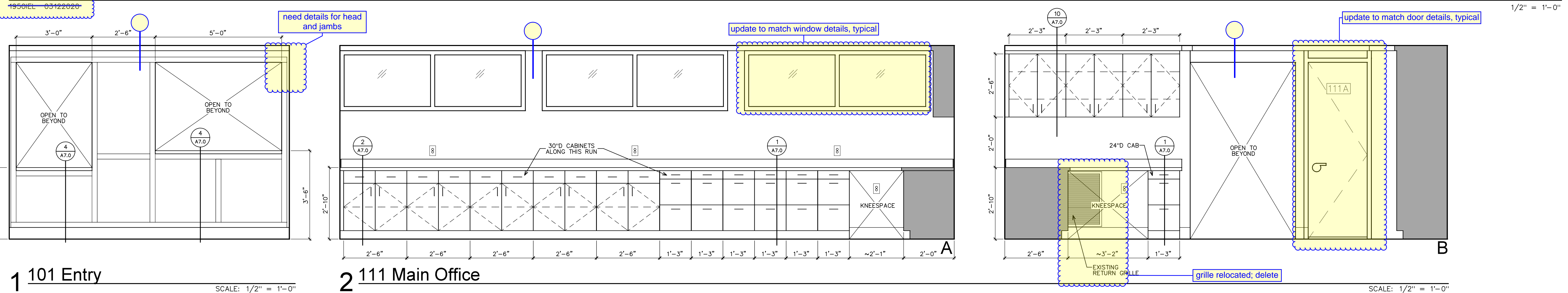
2022007_DET_D&W

3" = 1'-0"

Preliminary Drawings -- Not For Construction

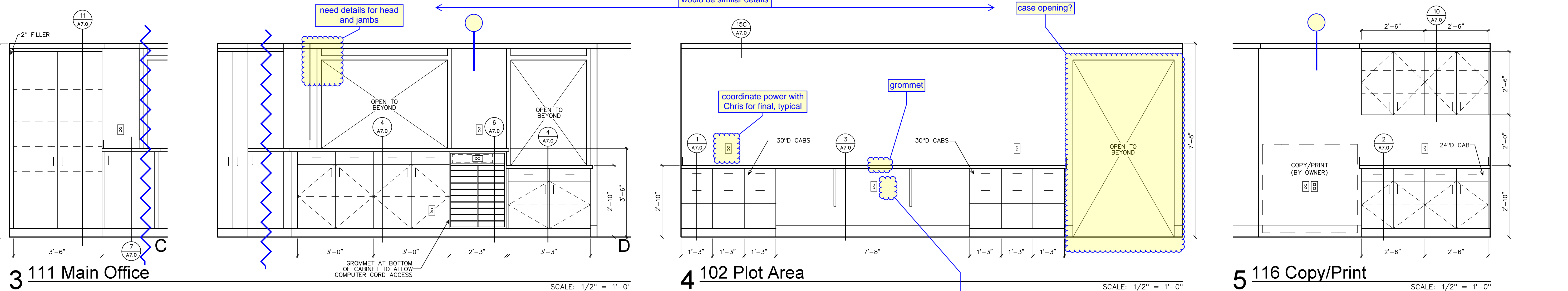


Typical Mounting Heights



1 101 Entry

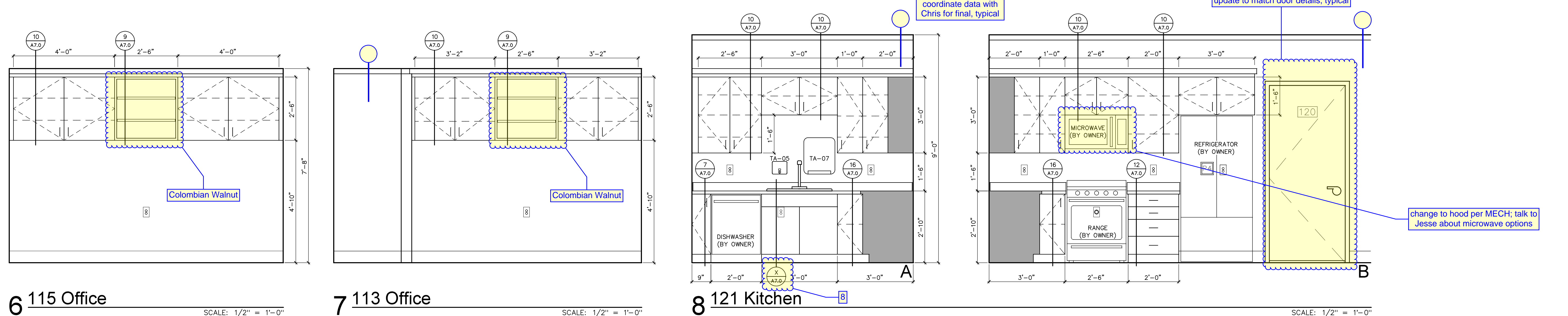
2 111 Main Office



3 111 Main Office

4 102 Plot Area

5 116 Copy/Print



6 115 Office

7 113 Office

8 121 Kitchen

120

Preliminary Drawings -- Not For Construction

CITY HALL REMODEL

City of Sidney
115 2nd Street SE, Sidney, MT 59270

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DATE 07.10.2023

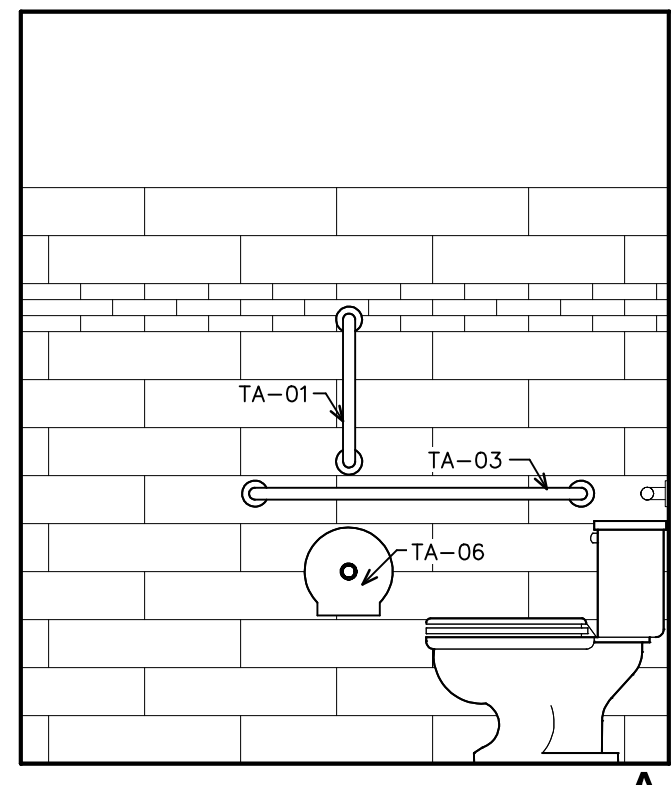
Interior Elevations

A6.0

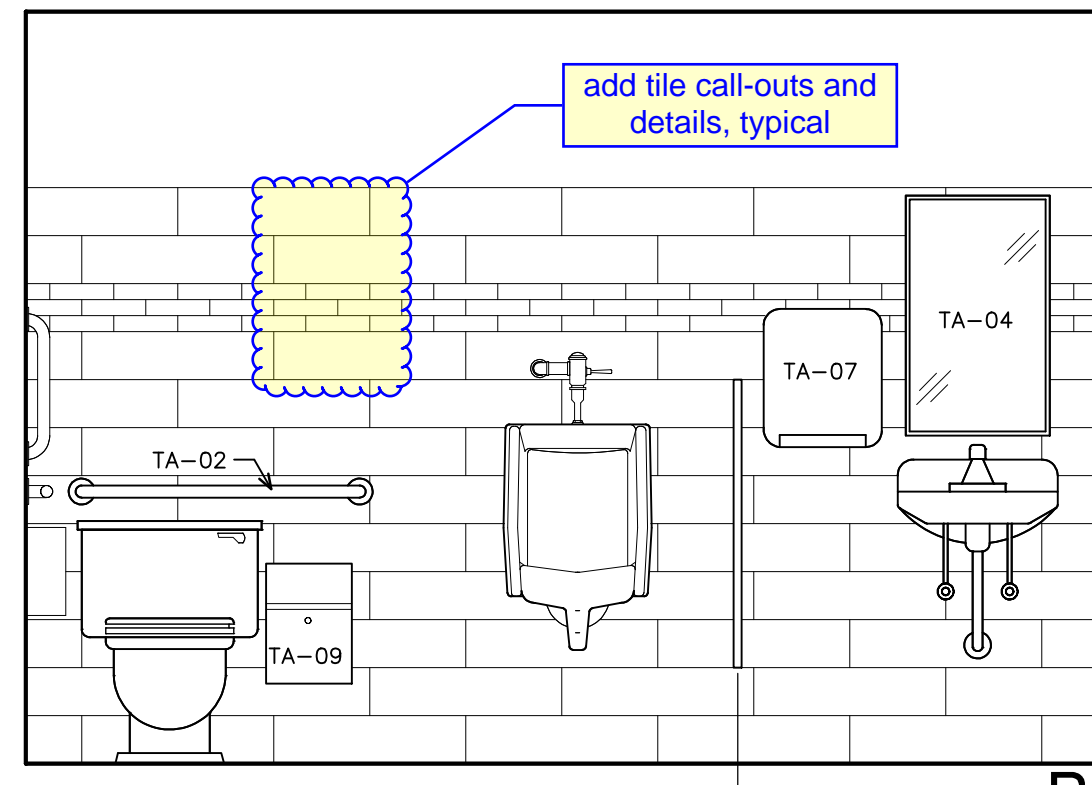
sdai architects + design
909 main street
miles city, montana 59301
406 . 234 . 0777



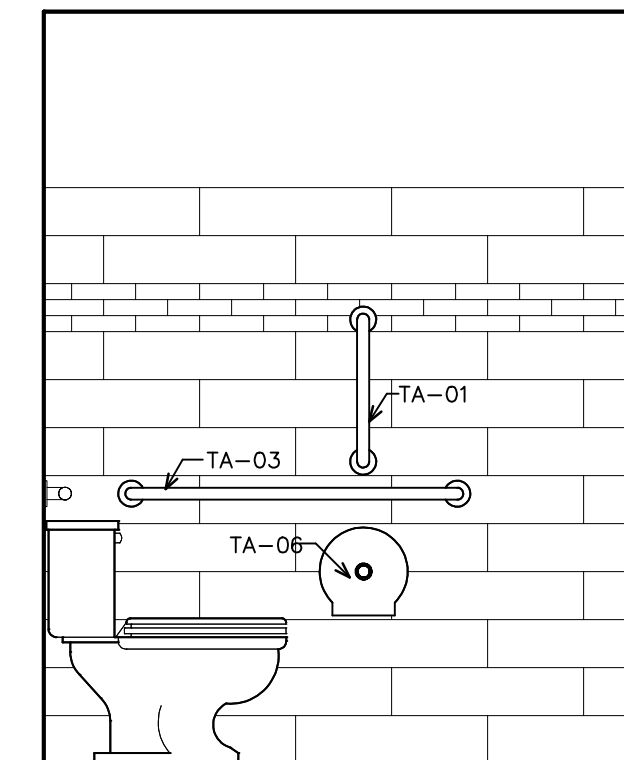
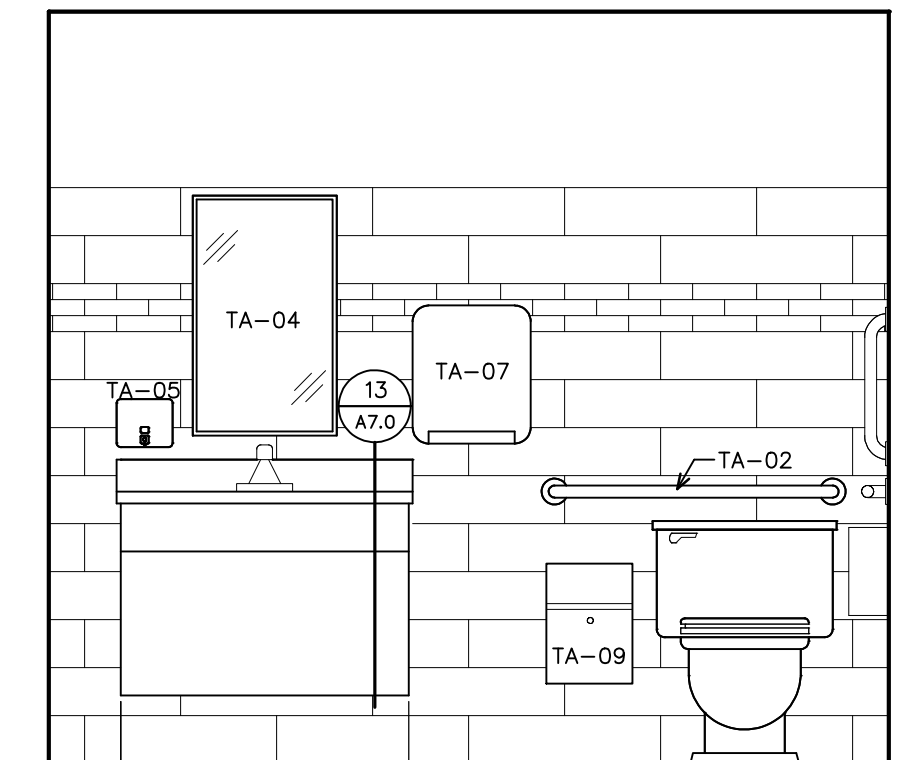
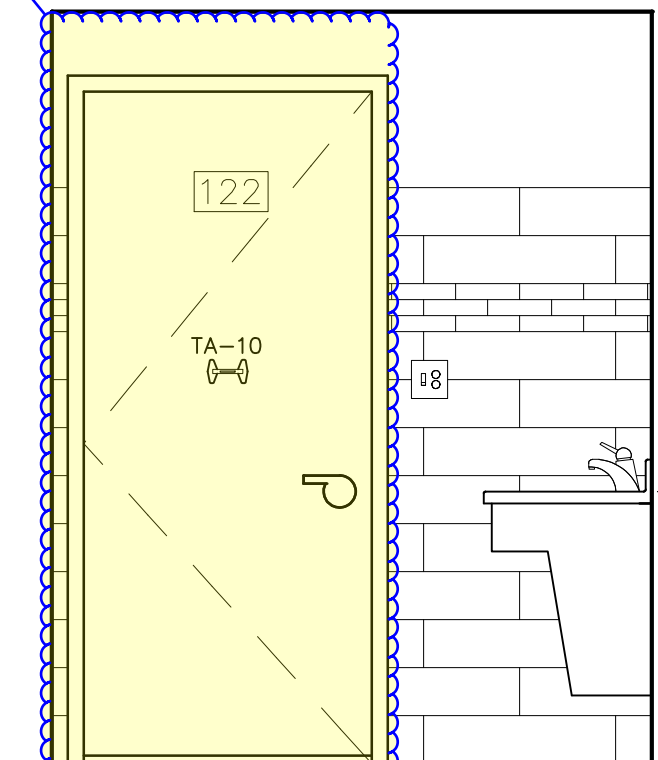
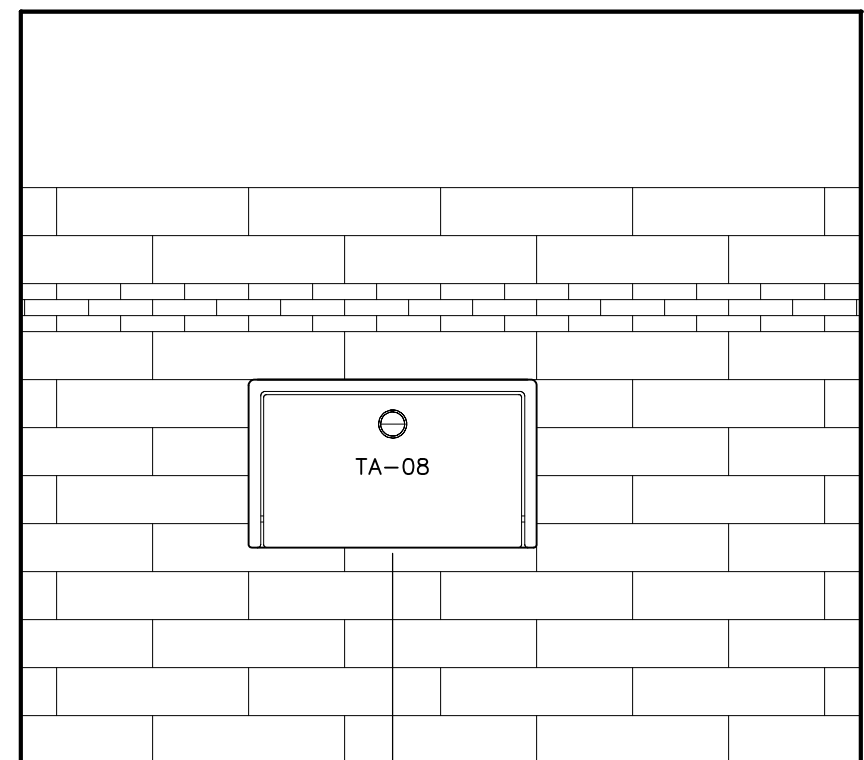
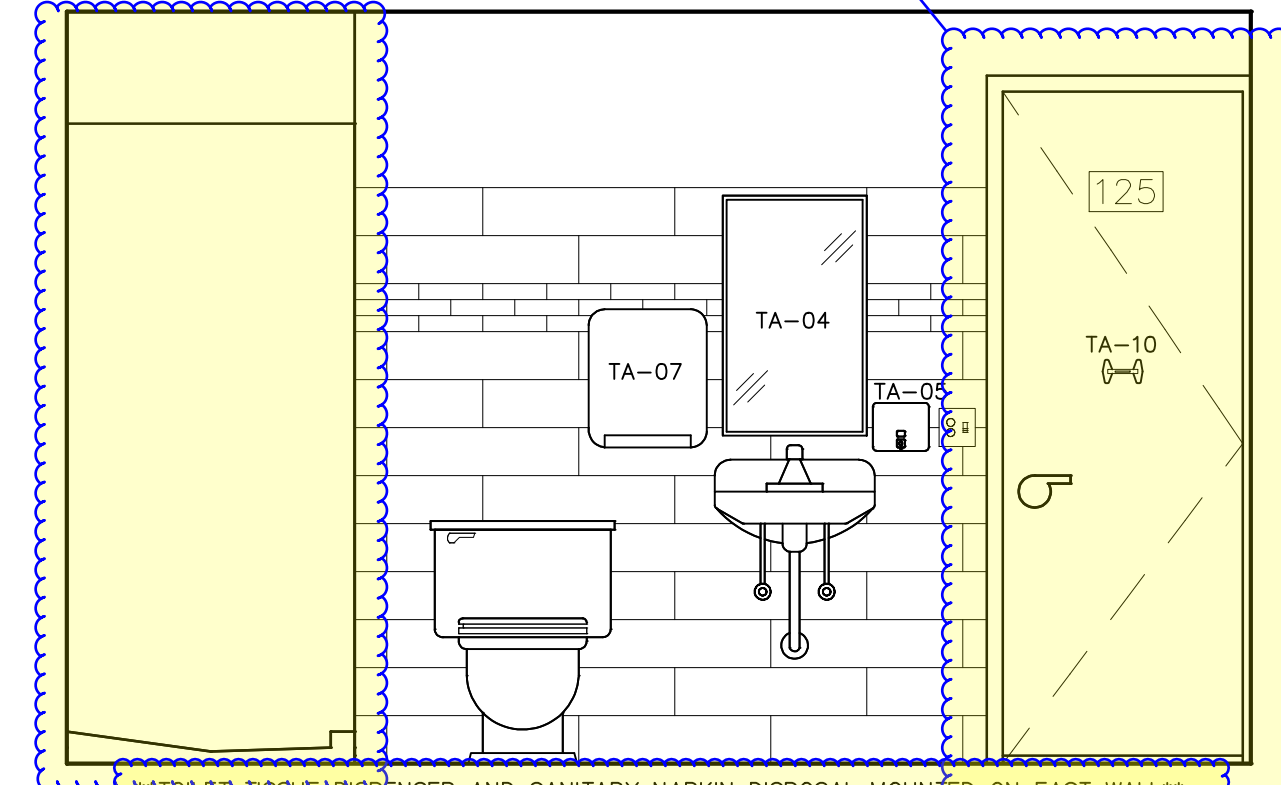
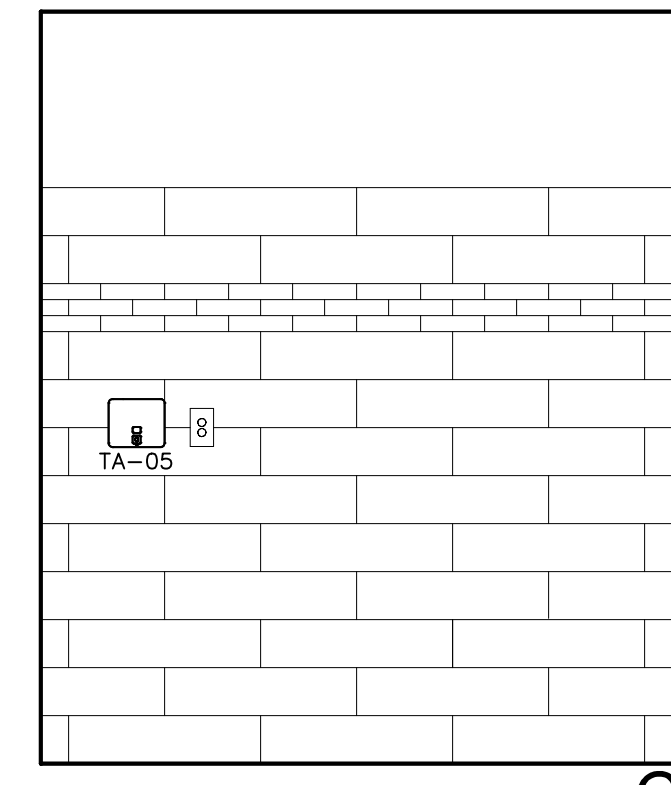
7/10/2023 11:50 AM 2023-07-10 10:00:00 - Sidney City Hall Remodel (20230710) (REV) (A6) Interior Elevations



1 109 ADA Restroom



3 122 Restroom (123 Mirrored)

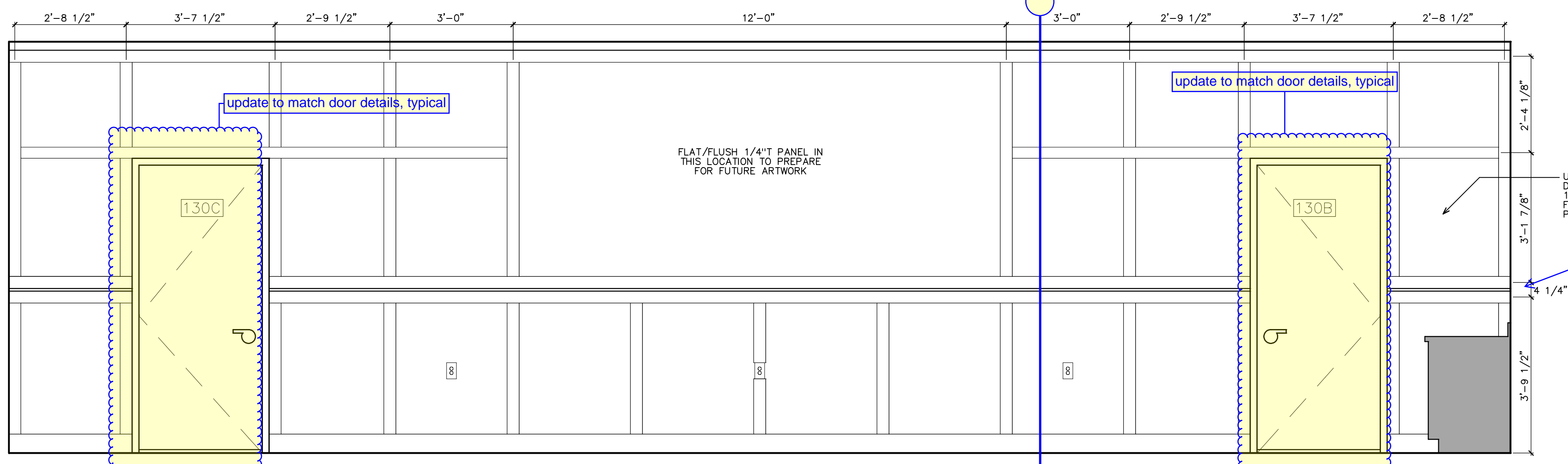


6 130 Council Chambers

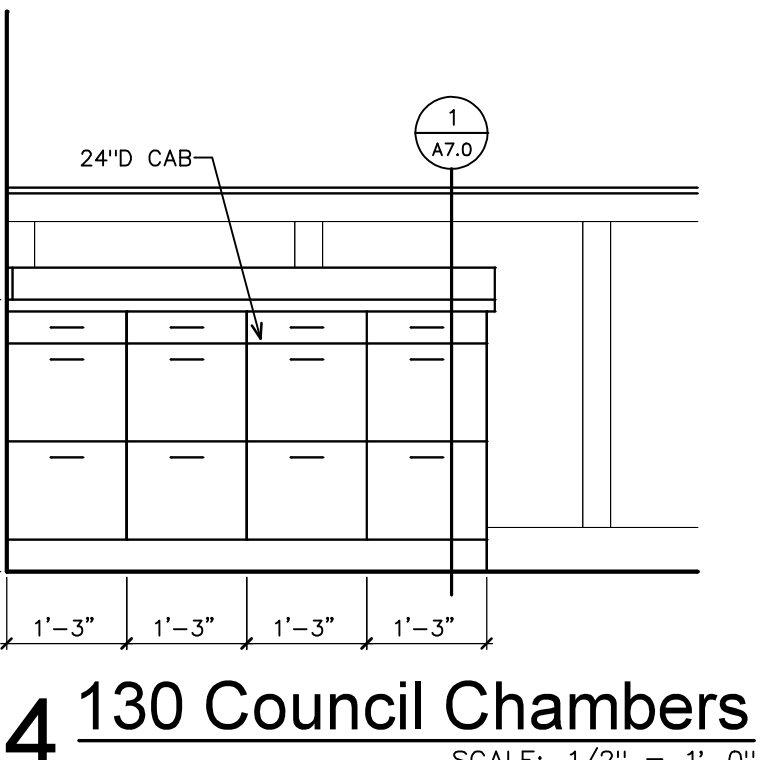
7 Wood Wainscot - Typical

5 130 Council Chambers

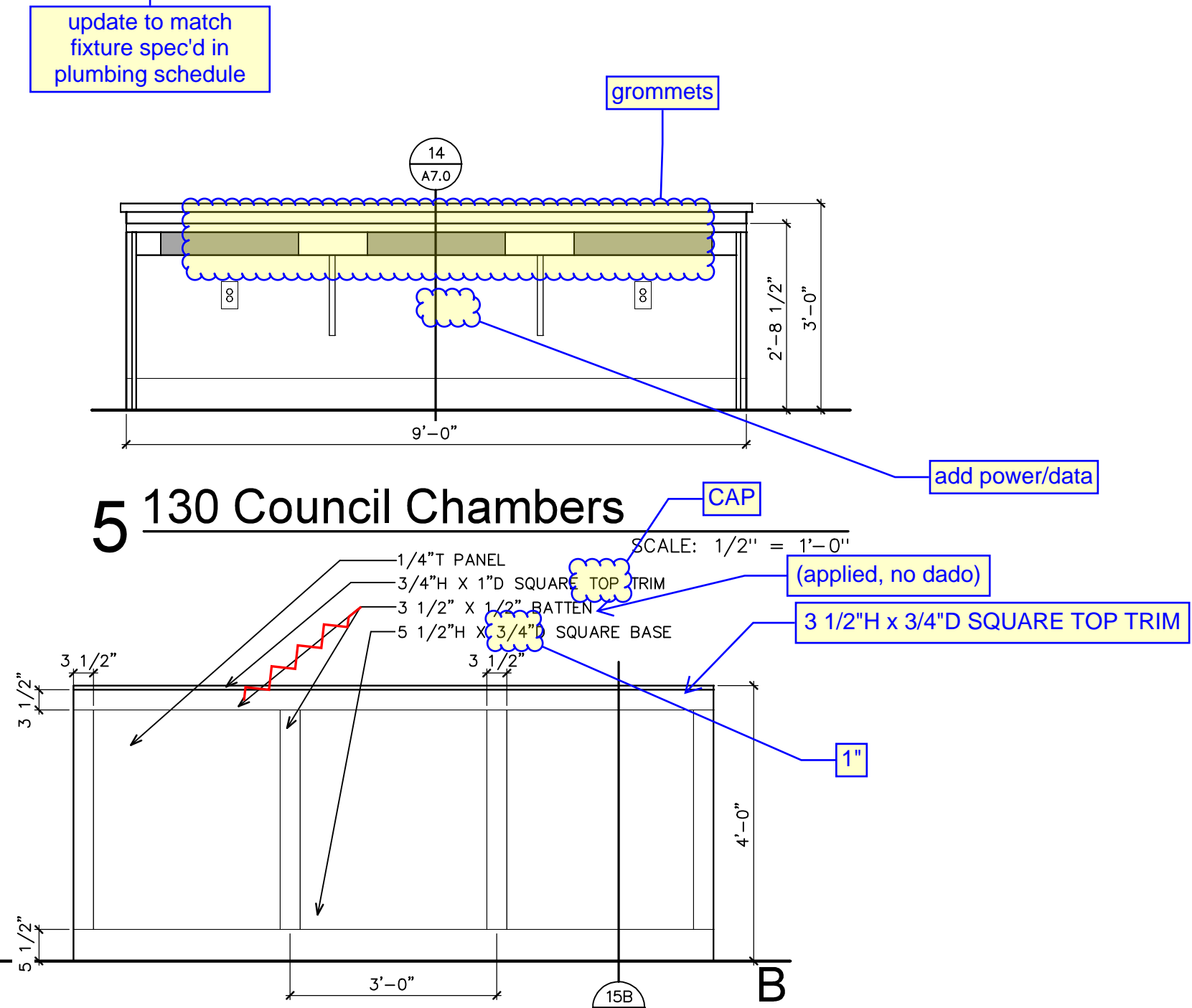
8 130 Council Chambers



9 130 Council Chambers

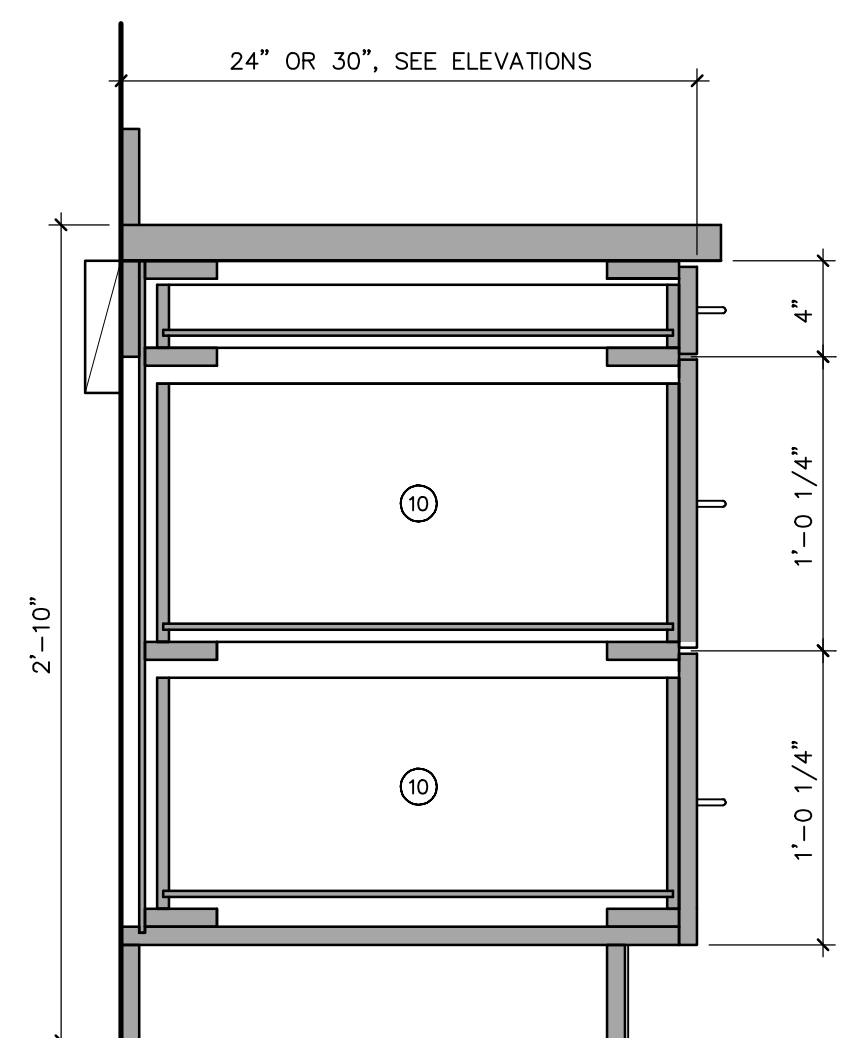
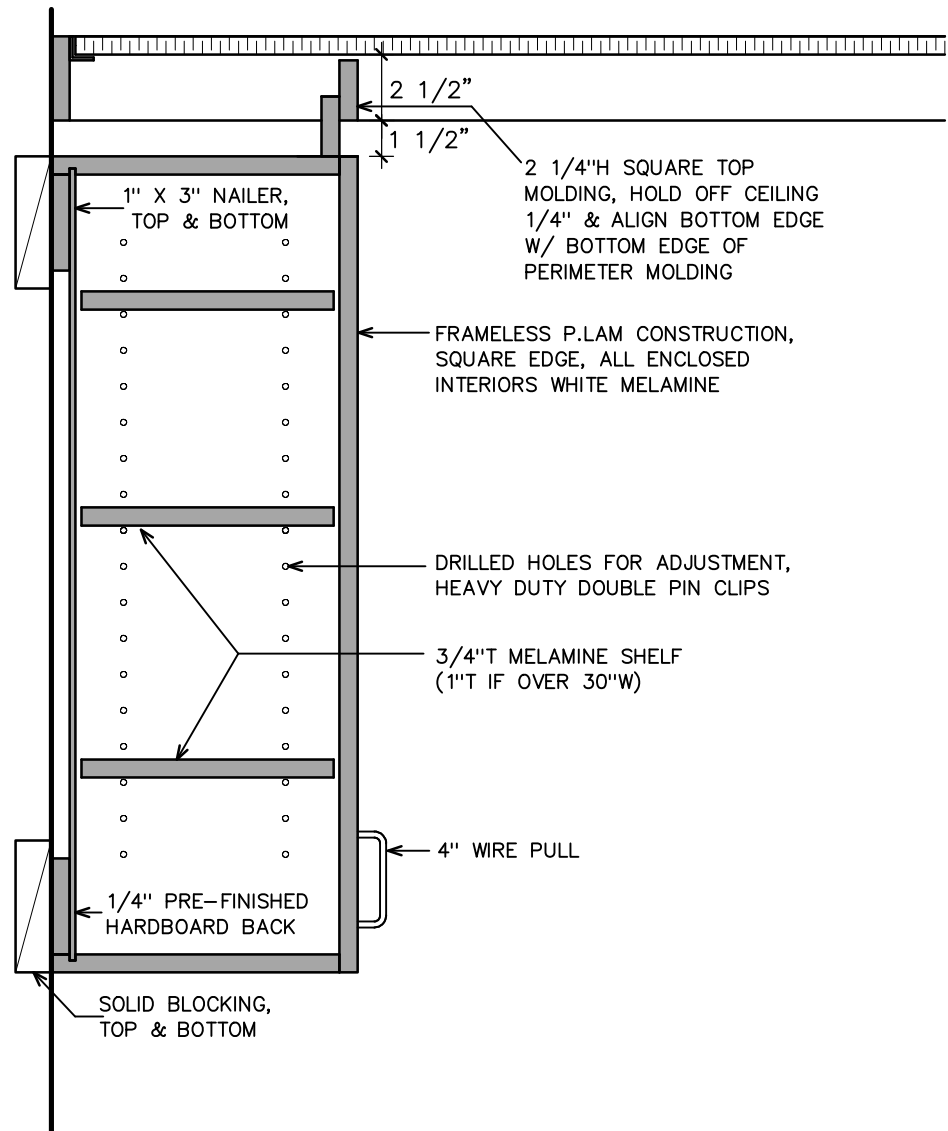


4 130 Council Chambers

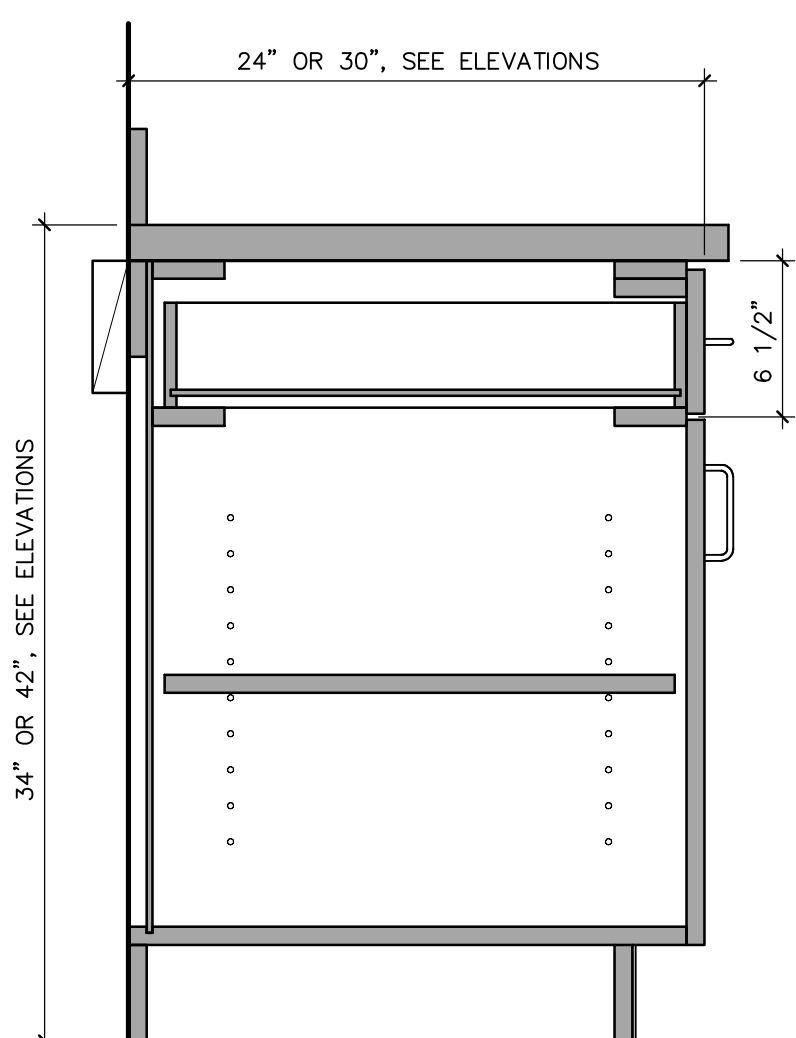


SPECIALTIES SCHEDULE							
#	TYPE	QTY	LOCATIONS	COLOR	MANUFACTURER	PRODUCT	COMMENTS
TA-01	GRAB BAR, 24"	3	109, 122, 123	STAINLESS STEEL	BOBRICK	B-5806	
TA-02	GRAB BAR, 36"	3	109, 122, 123	STAINLESS STEEL	BOBRICK	B-5806	
TA-03	GRAB BAR, 42"	3	109, 122, 123	STAINLESS STEEL	BOBRICK	B-5806	
TA-04	MIRROR, 18" x 36"	4	109, 122, 123, 125	STAINLESS STEEL	BOBRICK	B-165 1836	
TA-05	SOAP DISPENSER	5	109, 122, 123, 125, 121	STAINLESS STEEL	BOBRICK	B18615	
TA-06	TOILET TISSUE DISPENSER	4	109, 122, 123, 125	STAINLESS STEEL	BOBRICK	B-2890	
TA-07	PAPER TOWEL DISPENSER	5	109, 122, 123, 125, 121	STAINLESS STEEL	GEORGIA-PACIFIC	59466A	
TA-08	BABY CHANGING STATION	3	109, 122, 123	GREY	KOALA KARE	KB300-SS	HORIZONTAL APPLICATION
TA-09	SANITARY NAPKIN DISPOSAL	4	109, 122, 123, 125	STAINLESS STEEL	BOBRICK	B-270	
TA-10	DOUBLE ROBE HOOK	4	109, 122, 123, 125	STAINLESS STEEL	BOBRICK	B-6727	MOUNT ON BACK OF DOOR
TA-11	MOP HANGER	1	108A	WHITE	EXCELL KAISER	CLINGER 333-6	MOUNT ON N. WALL

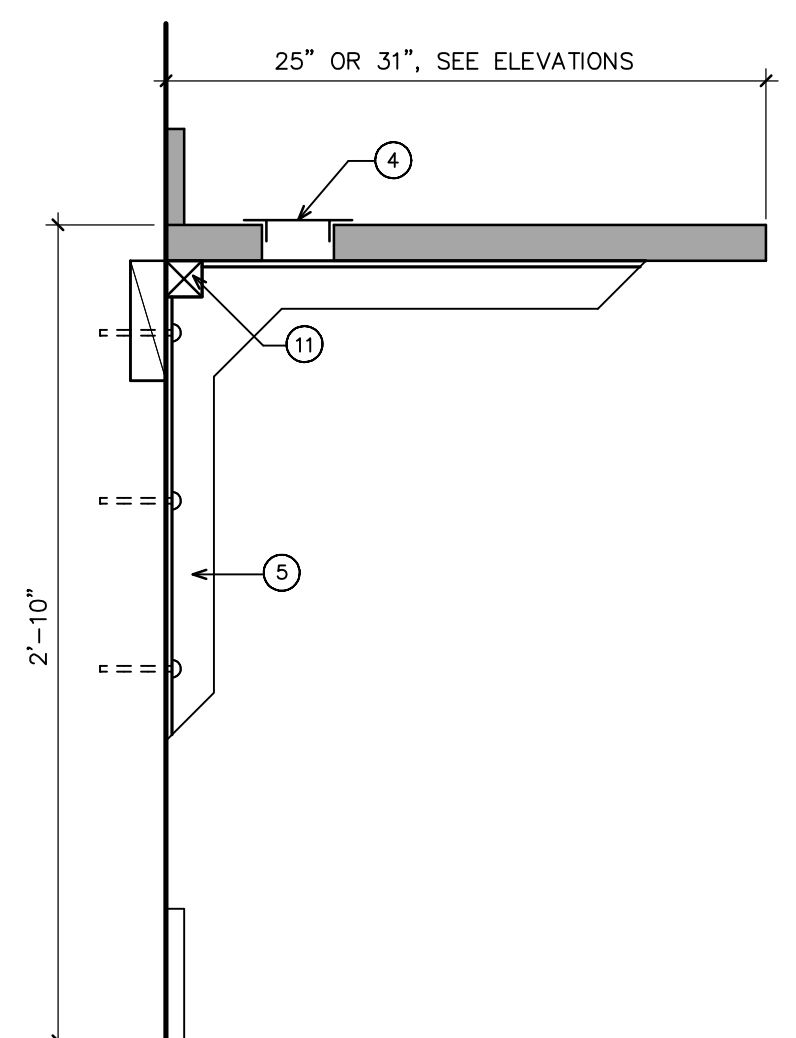
Preliminary Drawings -- Not For Construction



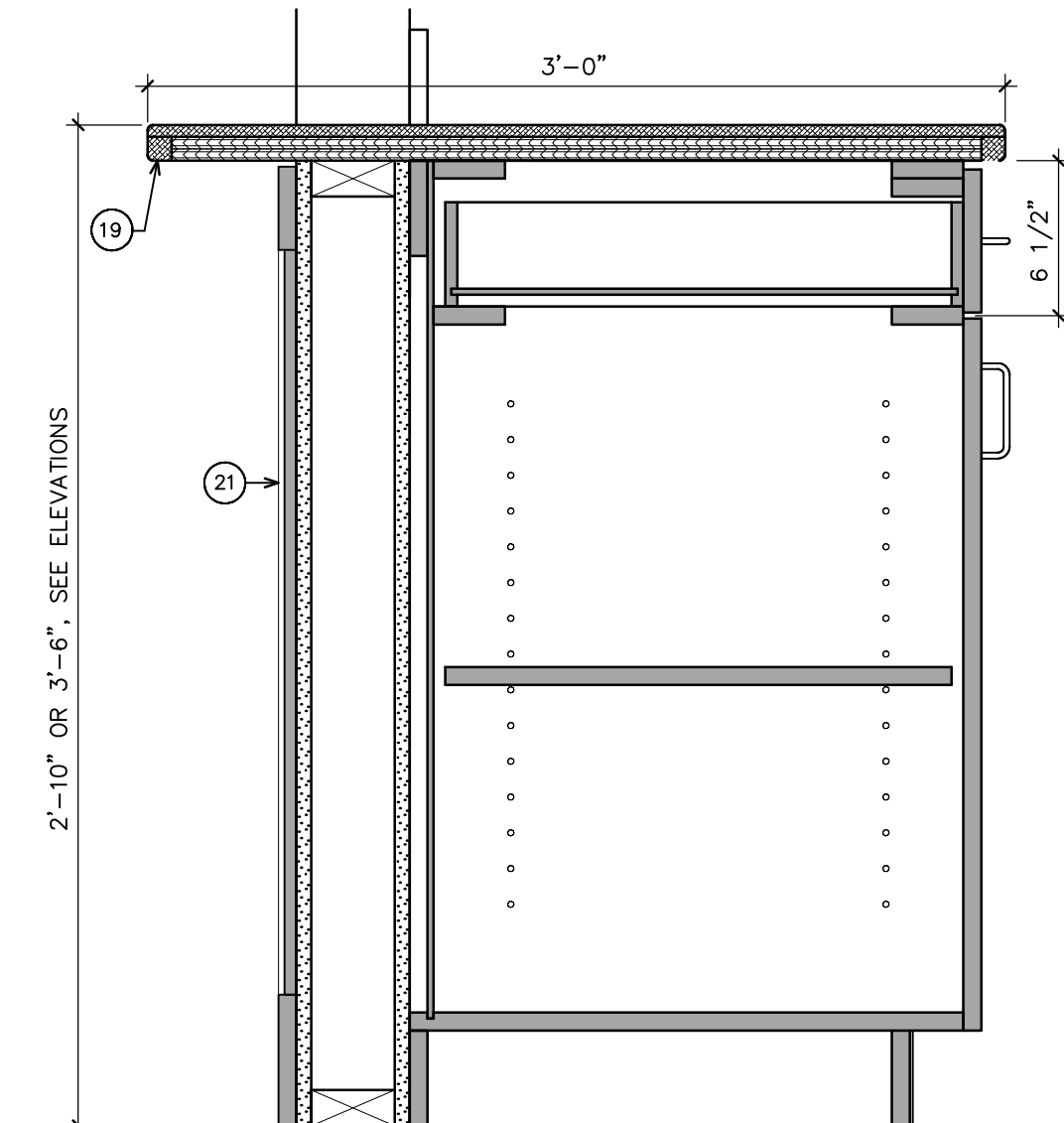
1 DESK 3-DRAWER BASE
1 1/2" = 1'-0"



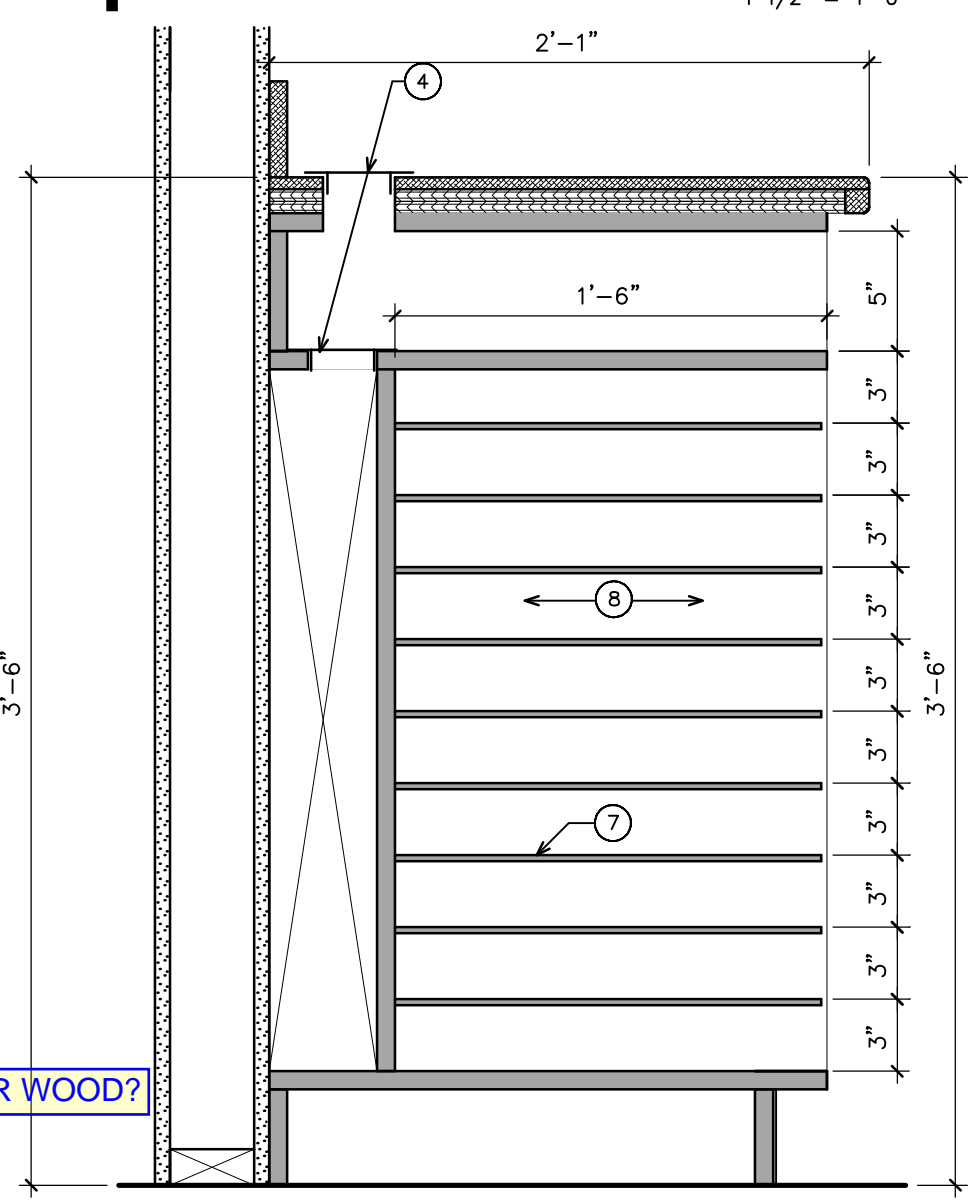
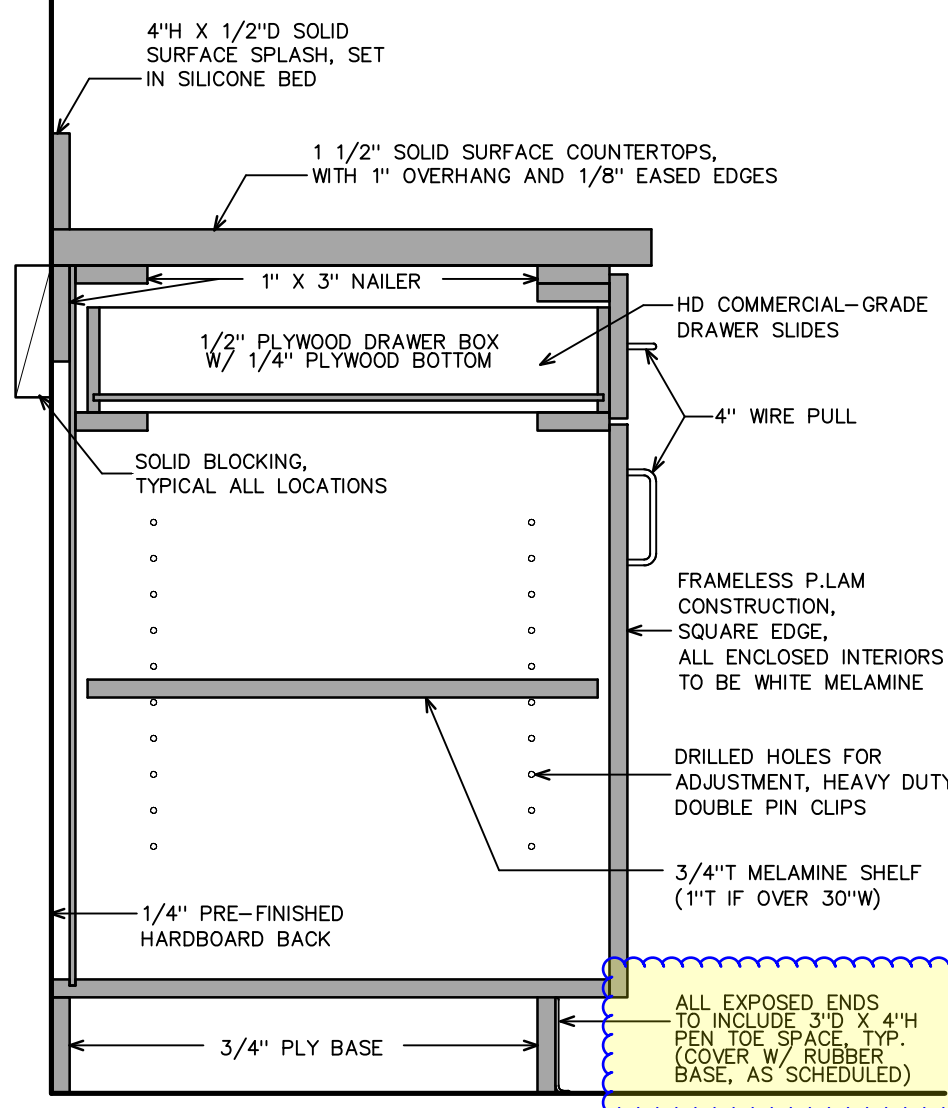
2 STANDARD BASE
1 1/2" = 1'-0"



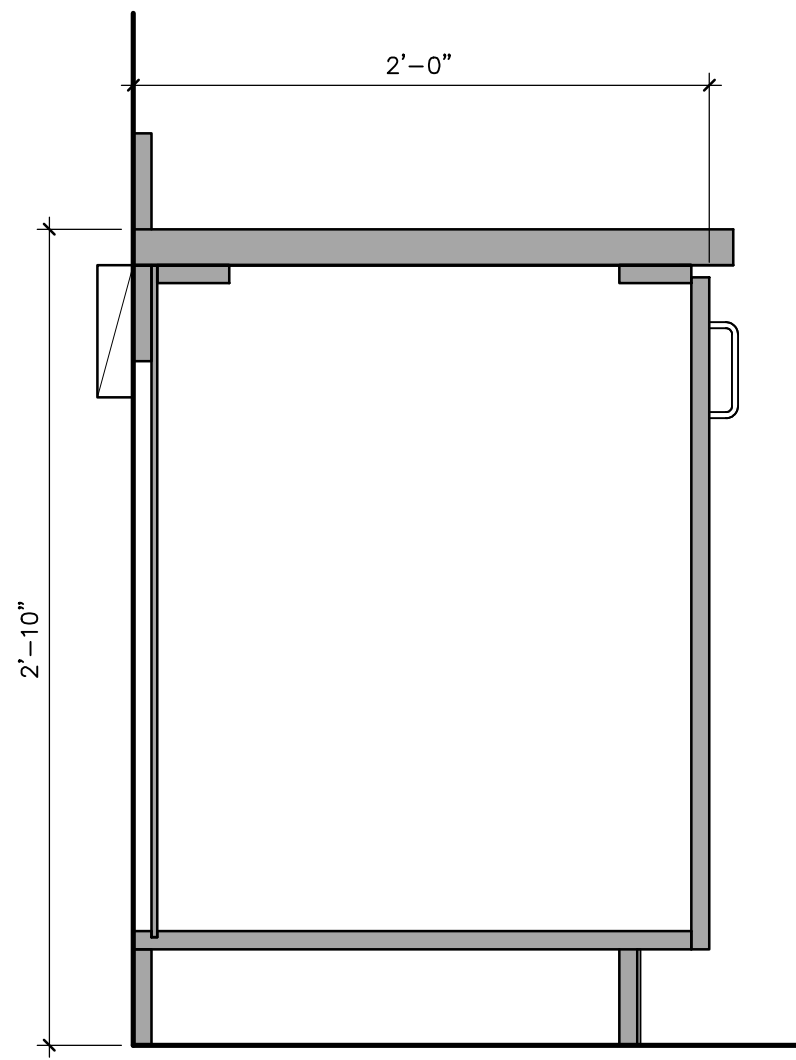
3 KNEESPACE
1 1/2" = 1'-0"



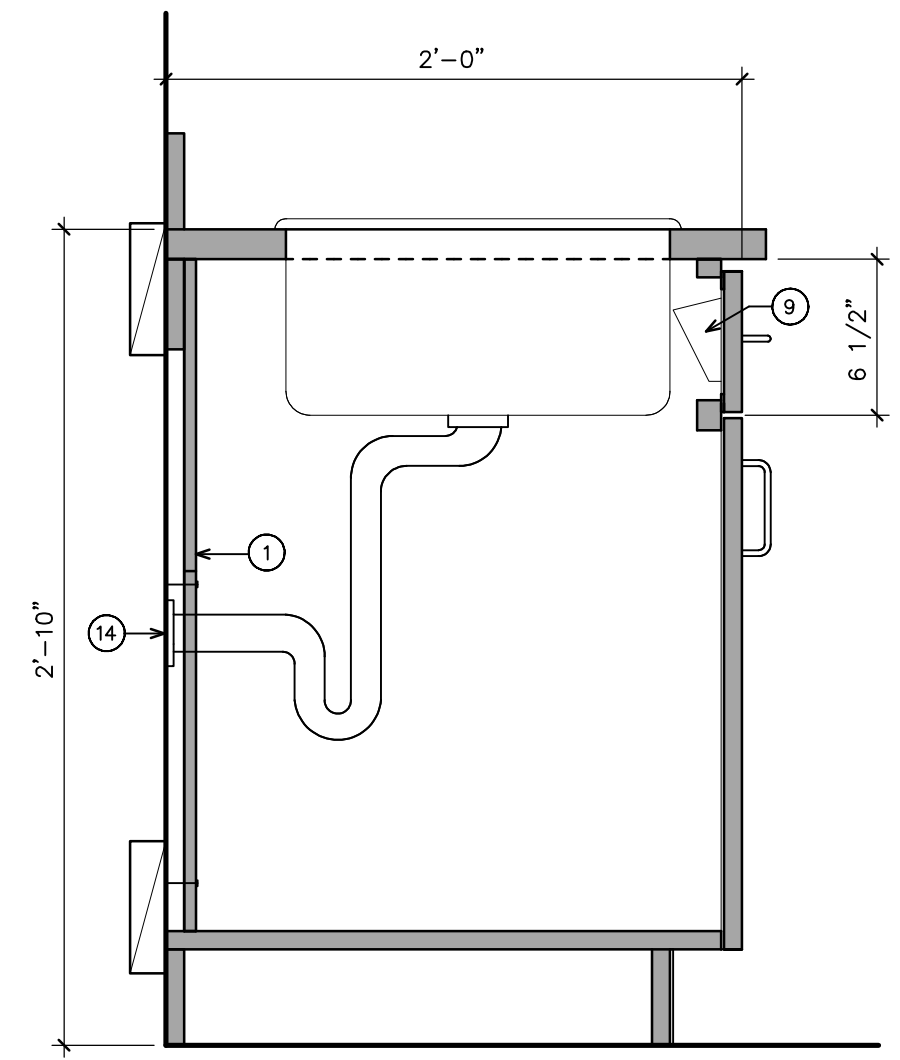
4 RECEPTION BASE
1 1/2" = 1'-0"



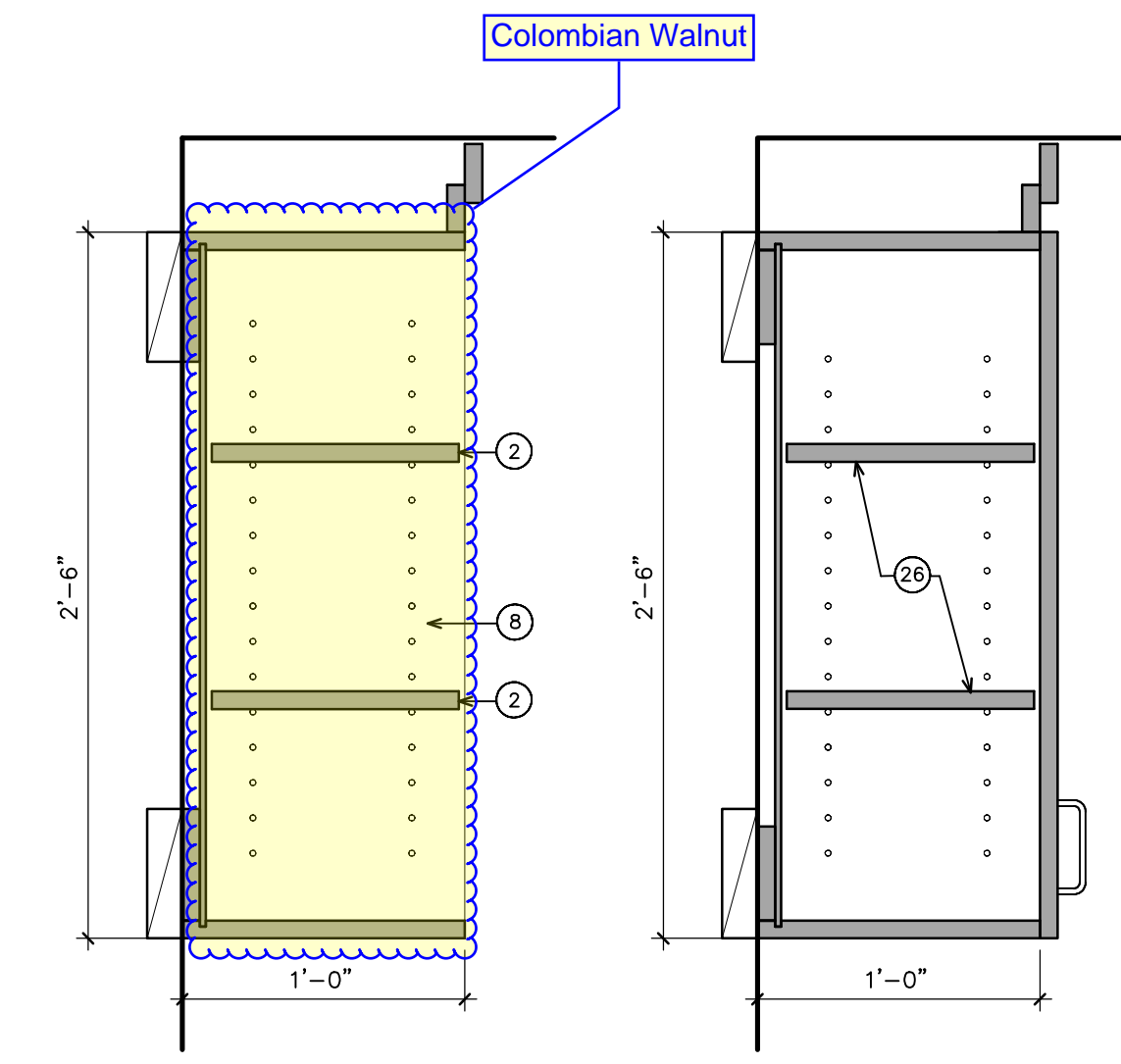
6 PAPER FORMS HOLDER
1 1/2" = 1'-0"



7 OPEN BASE
1 1/2" = 1'-0"

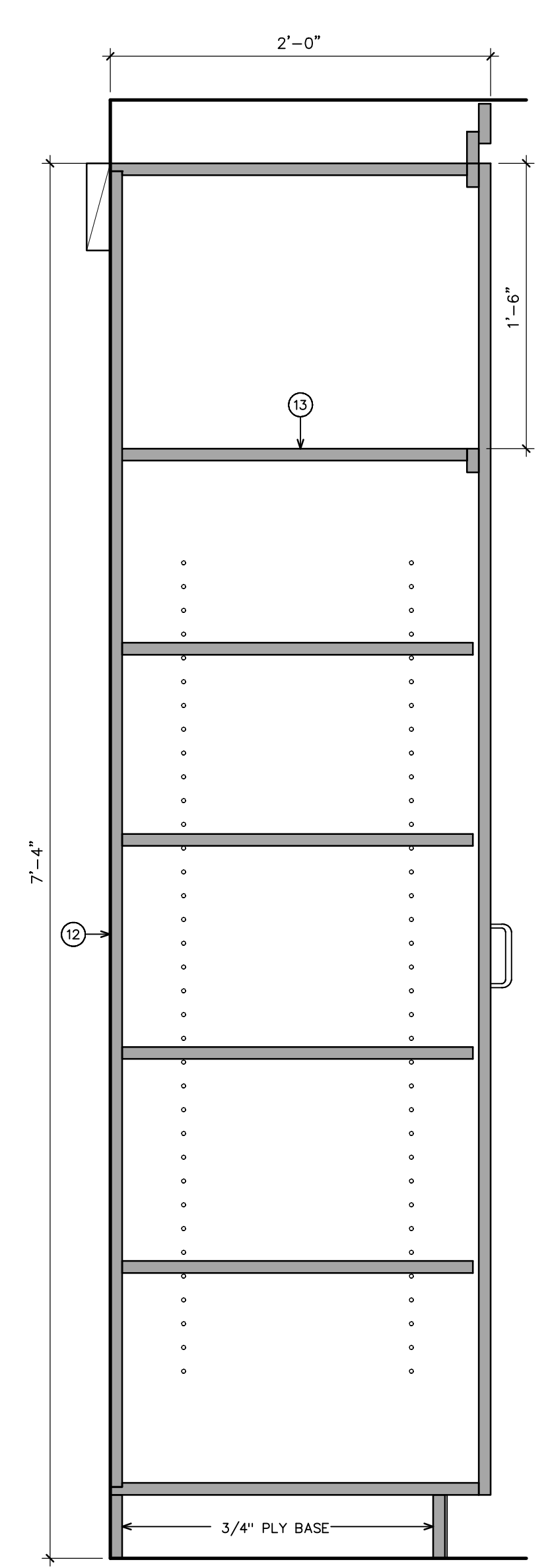


8 SINK BASE
1 1/2" = 1'-0"



9 OPEN UPPER
1 1/2" = 1'-0"

10 STD UPPER
1 1/2" = 1'-0"



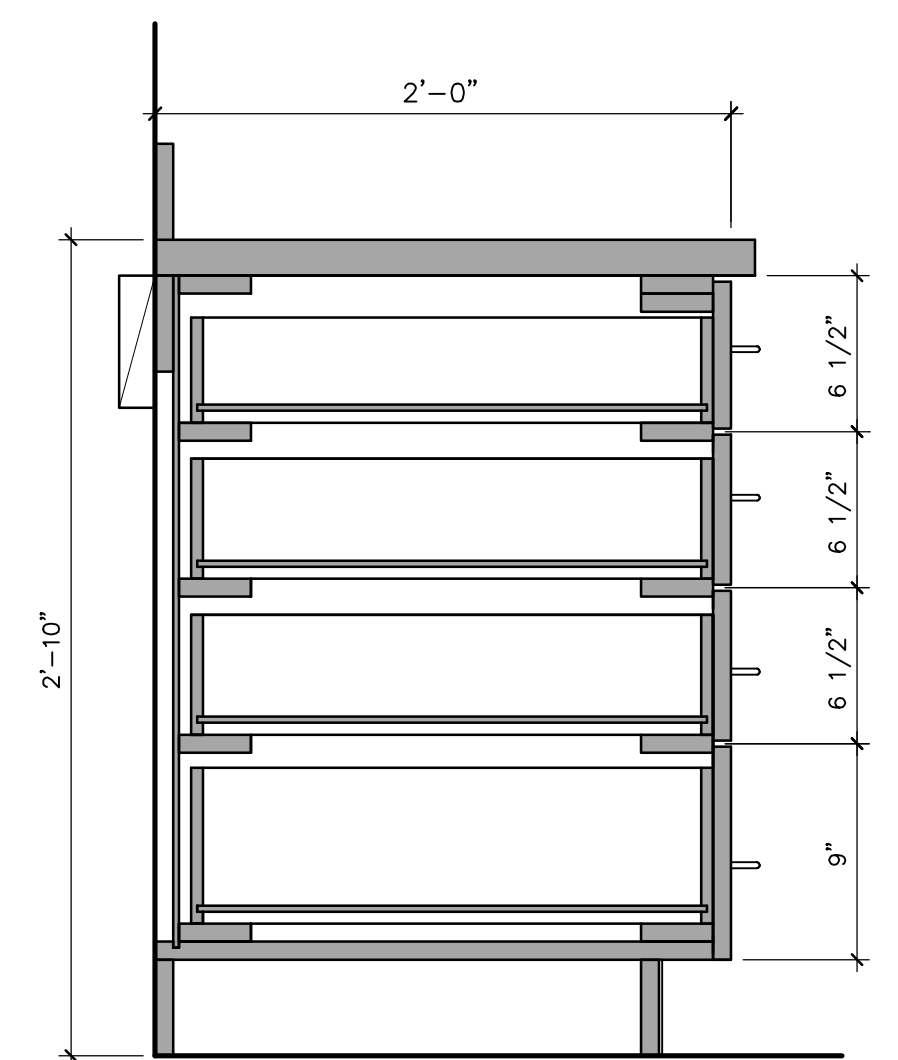
11 STORAGE
1 1/2" = 1'-0"

TYPICAL CONSTRUCTION
1 1/2" = 1'-0"

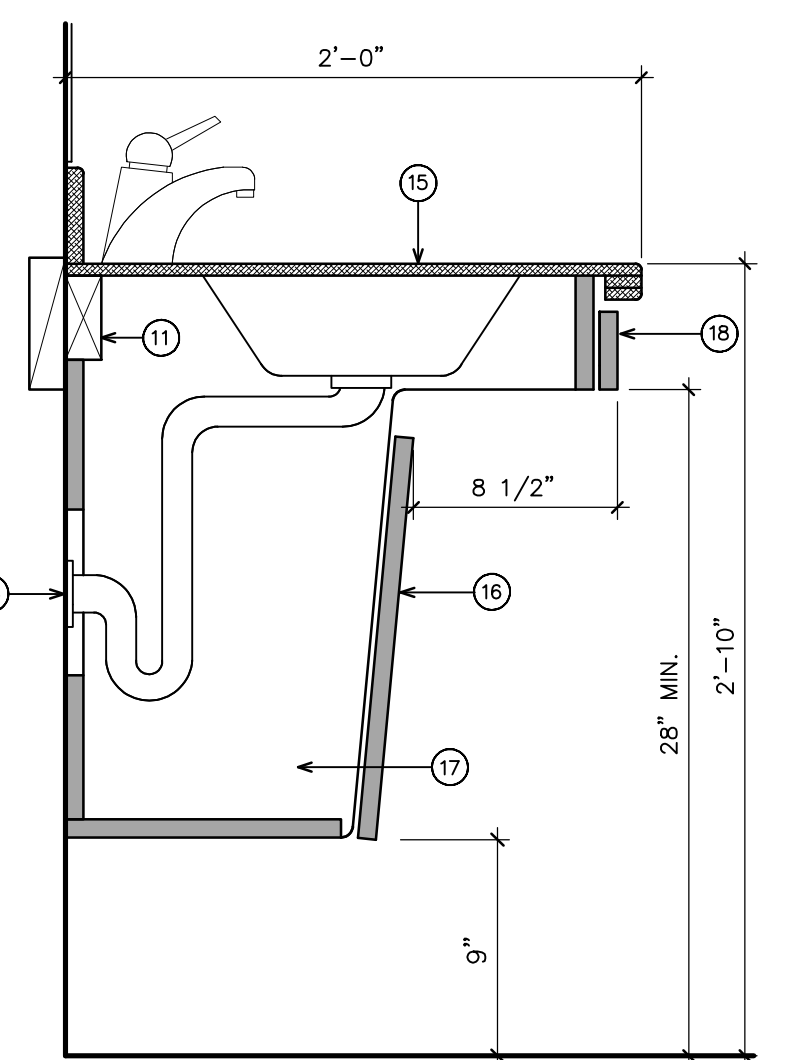
RUBBER OR WOOD?

NOTE: Refer to Plans & Elevations for variations in configuration & dimensions.

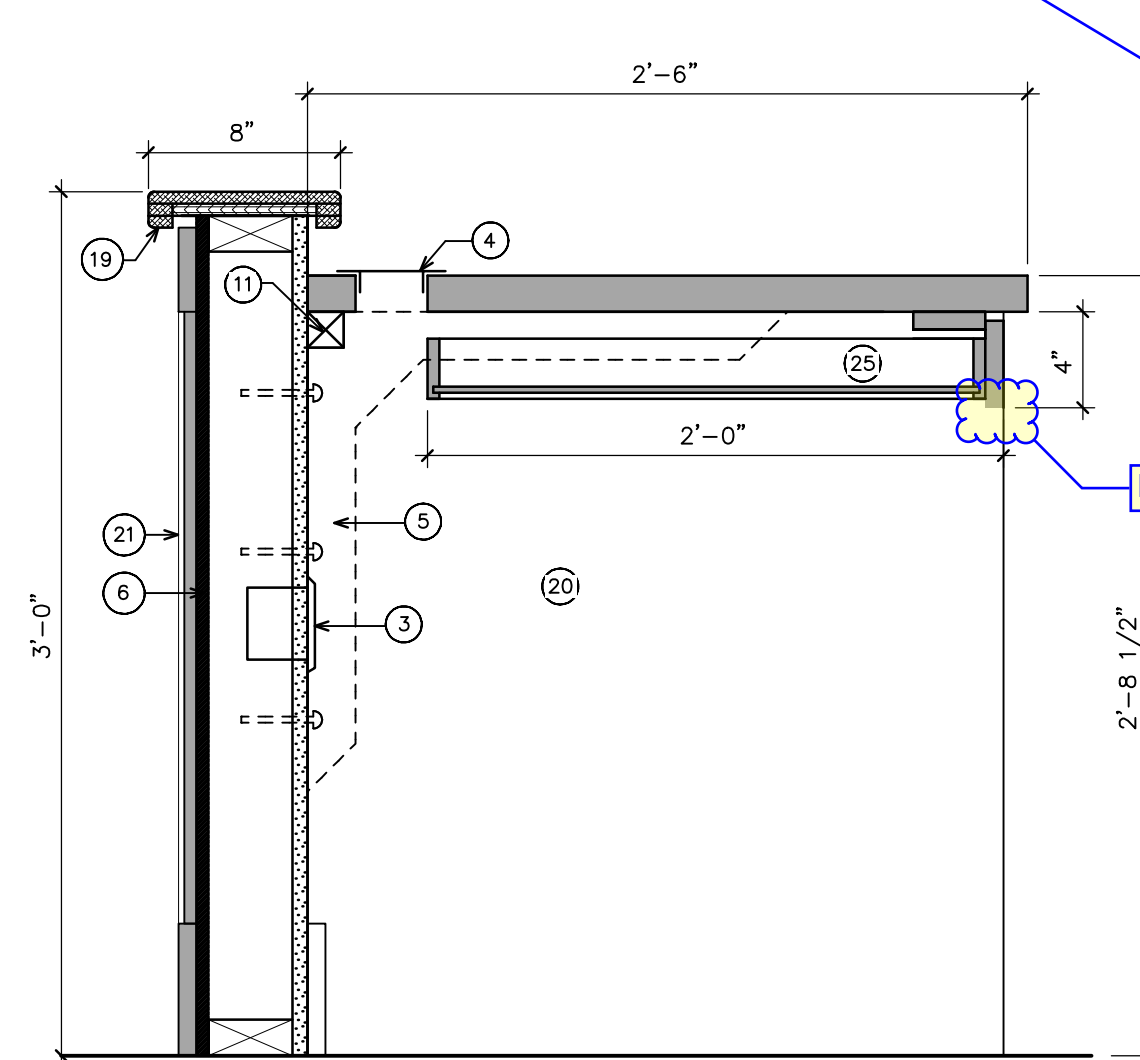
MK	MILLWORK NOTES
1	1/2" MELAMINE SPLIT BACK (FIXED TOP, REMOVABLE BOTTOM); ATTACH TO VERTICAL CLEATS
2	PVC EDGE BANDING ALONG FRONT FACE OF SHELF
3	COORDINATE ELECTRICAL FIXTURE LOCATIONS WITH ELECTRICIAN
4	3" PLASTIC GROMMET AT ALL KNEE SPACE LOCATIONS, FIELD VERIFY ADDITIONAL LOCATIONS
5	SUPPORT BRACKETS @ 32" O.C. (IF OVER 48" CLEAR SPAN)
6	1/2" BULLET-RESISTANT PANEL
7	1/4" FLATSTOCK PAPER SORTING DIVIDER, PAINTED TO MATCH CABINET
8	EXPOSED P.LAM FINISH THROUGHOUT INTERIOR OF CABINET TO MATCH EXTERIOR P.LAM
9	TILT-OUT SPONGE DRAWER, TYPICAL ALL SINK LOCATIONS
10	FILE DRAWER HARDWARE AT THIS LOCATION
11	CONTINUOUS SUPPORT/CLEATS
12	3/4" SOLID P.LAM BACK
13	FIXED SHELF
14	SET-BACK STYLE TRAPS, COORDINATE LOCATION WITH PLUMBER
15	INTEGRATED SOLID SURFACE SINK/VANITY TOP W/ OVERFLOW PREVENTER
16	3/4" P.LAM REMOVABLE PANEL
17	3/4" P.LAM SIDES W/ BANDED EDGES AND P.LAM BACK
18	3/4" P.LAM APRON, EASE BOTTOM EDGES
19	1 1/2" SOLID SURFACE COUNTERTOP, EASE ALL EXPOSED CORNERS/EDGES
20	3/4" P.LAM SUPPORT PANEL, SEE FLOOR PLAN FOR LOCATION
21	WOOD WAINSCOT, SEE 7/A6.1 FOR DIMENSIONS/DETAILS; DIMENSIONS VARY
22	1/4" STEEL PLATE C.TOP SUPPORT
23	ROTATING CAROUSEL SHELF
24	DOUBLE-HINGED CORNER CABINET DOOR
25	PENCIL DRAWER; MOUNT DRAWER FACE FLUSH WITH CONTINUOUS APRON
26	1 SHELF FOR 18"H CAB, 2 SHELVES FOR 18-36"H CAB, 3 SHELVES FOR 36"H CAB
27	3 1/2"H X 3/4"D SQUARE MOLDING, BANDED EDGES, TOP @ ALL WALL/CEILING TRANSITIONS
28	ATTACH CEILING GRID TO SQUARE TOP MOLDING



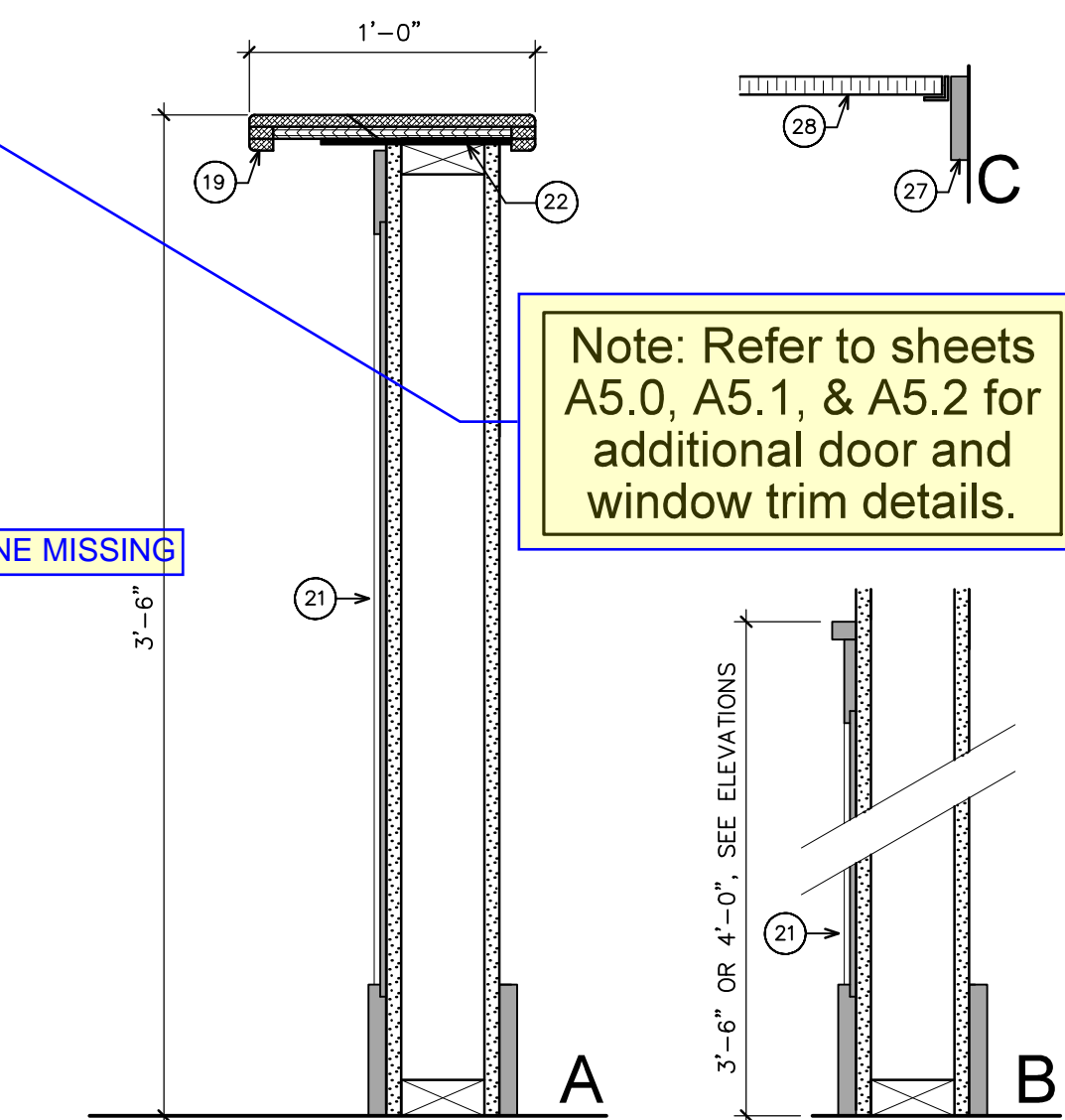
12 4-DRAWER BASE
1 1/2" = 1'-0"



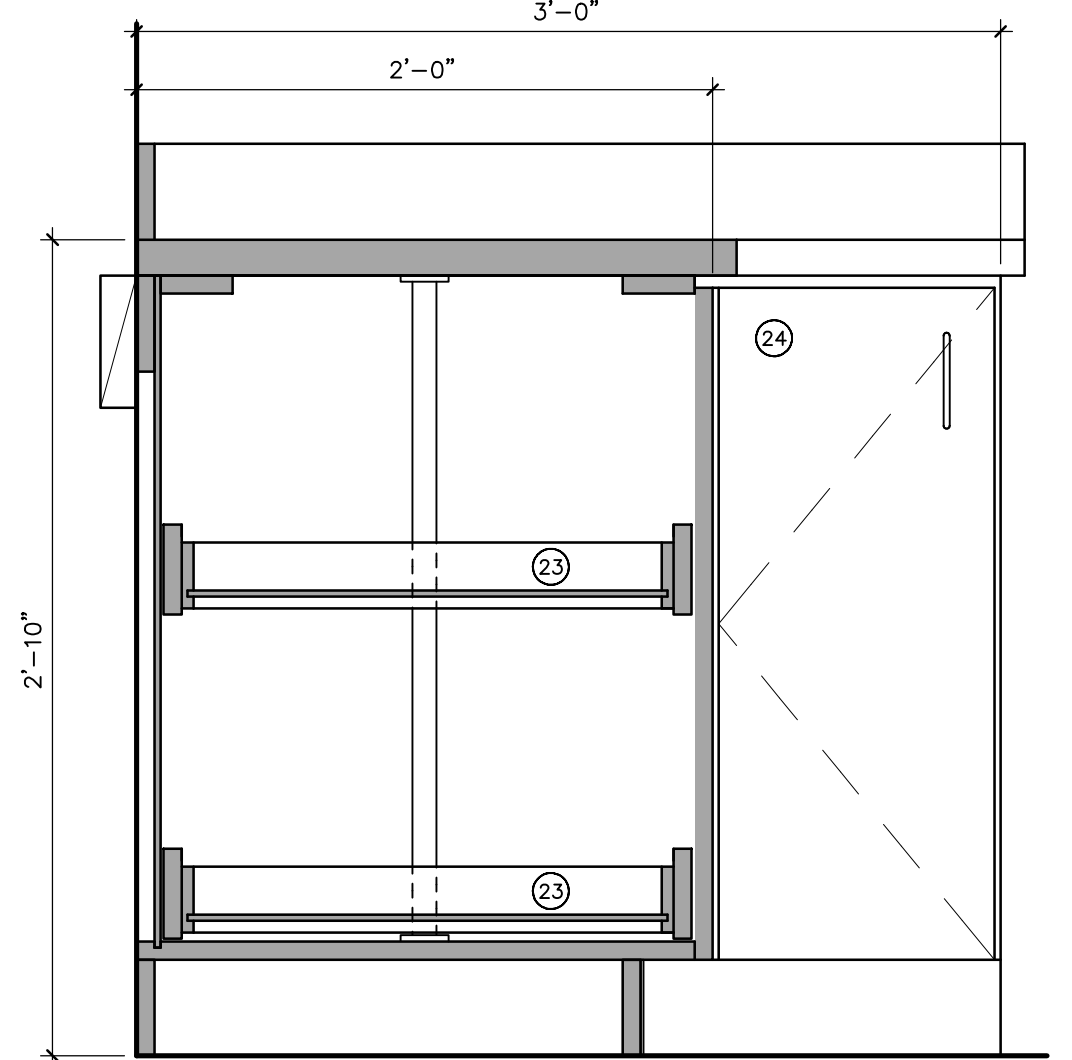
13 RESTROOM VANITY
1 1/2" = 1'-0"



14 COUNCIL DAIS
1 1/2" = 1'-0"



15 WAINSCOT & TRIM DETAILS
1 1/2" = 1'-0"



16 CORNER CAROUSEL BASE
1 1/2" = 1'-0"

Note: Refer to sheets A5.0, A5.1, & A5.2 for additional door and window trim details.

LINE MISSING

Preliminary Drawings -- Not For Construction

MECHANICAL SPECIFICATIONS:

- 23.00.00 GENERAL: 1. 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... 2. INSTALL ALL EQUIPMENT PER THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS... 23.50.00 DUCTWORK: 1. 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... 23.90.00 MECHANICAL CLOSURES: 1. PROVIDE (1) ELECTRONIC COPY IN PDF FORMAT AND (1) PHYSICAL COPY IN BINDER INCLUDING CUTSHEETS, SUBMITTA DATA, & IOM DOCUMENTATION TO OWNER...

- 23.50.00 & 23.55.00 MECHANICAL & PLUMBING EQUIPMENT: 1. NEW EQUIPMENT IS DENOTED BY XX-# SEE SCHEDULES & DETAILS. NEW EQUIPMENT MANUFACTURER & MODEL NUMBER SHALL BE LISTED IN SCHEDULES & NOTES... 23.60.00 INSULATION: 1. INSULATION SHALL BE FORMALDEHYDE FREE... 23.65.00 IDENTIFICATION: 1. COMPLY WITH ASME A13.1 FOR IDENTIFICATION AND COLOR... 23.90.00 TEMPERATURE CONTROLS: 1. SPAN TEMPERATURE SENSORS/STATS SHALL BE MOUNTED TO MEET ADA MOUNTING HEIGHT... 23.99.00 OWNER'S INSTRUCTIONS/RESPONSIBILITIES: 1. OWNER'S MAINTENANCE STAFF SHOULD REVIEW O&M MANUAL REVIEW AT BUILDING TURNOVER AND DEVELOP A PM SCHEDULE PER RECOMMENDATIONS LISTED IN THE EQUIPMENT MANUALS...

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE table with columns: TAG, FIXTURE, MANUFACTURER, FIXTURE, TRAP, SUPPLIES, TRAP/WASTE, DRAIN, CW, HW/TEMP, WASTE, VENT, NOTES/REMARKS. Includes sections for CEILING EXHAUST FANS, STATIONARY LOUVER SCHEDULE, GENERAL MECHANICAL, PIPE SYMBOLS, HVAC LEGEND, CEILING MOUNTED GRD, PIPE SYSTEM LEGEND, VALVE SYMBOLS, and MECHANICAL CLOSURES.

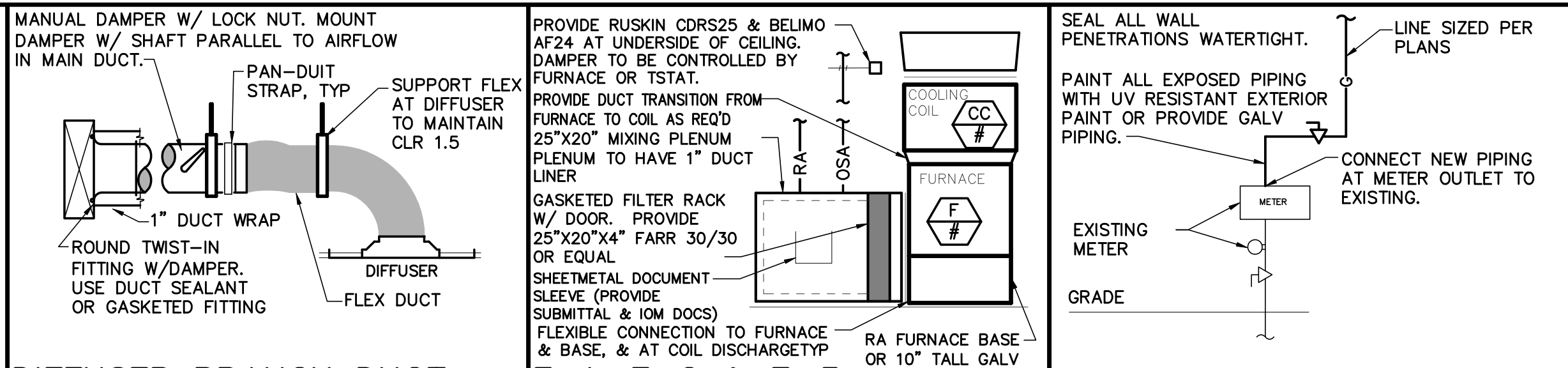
SPLIT SYSTEM FURNACE & CONDENSING UNIT SCHEDULE table with columns: ITEM, TYPE, AREA SERVED, AFUE, CFM, OSA, ESP, HEATING CAPACITY, ELECTRICAL, MANUFACTURER, NOTES, CONTROL. Includes sections for OUTSIDE AIR JUSTIFICATION, KITCHEN HOOD EXHAUST, GRILLES, REGISTERS, & DIFFUSERS, and ELEC WATER HEATER SCHEDULE.

Vertical sidebar containing project information: City of Sidney, 115 2nd Street SE, Sidney MT 59270. Includes logos for sd architects + design, simplicity CONSULTING, ENGINEERING, & DESIGN, and a 'Revisions' table with dates and descriptions.

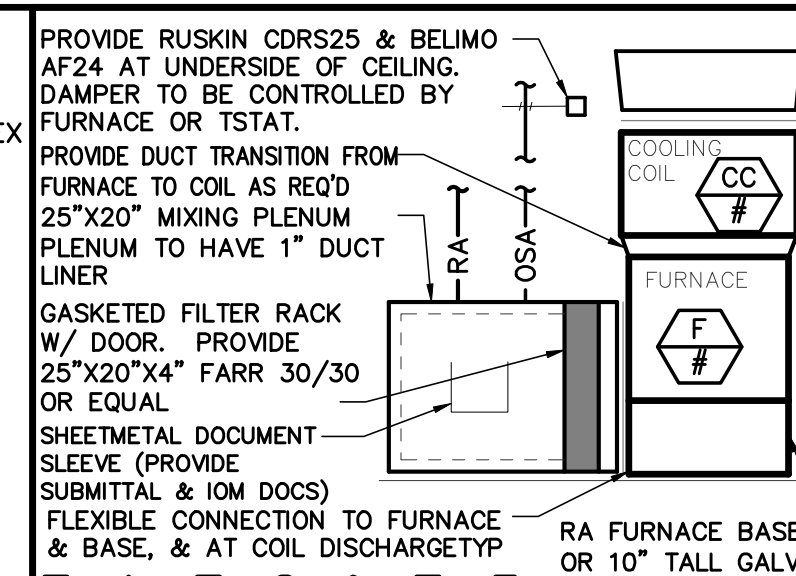
ABBREVIATIONS:

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
AFD	ABOVE FINISHED GRADE	IE	INVERT ELEVATION
ALT	ALTITUDE, ALTERNATE	IAQ	INDOOR AIR QUALITY
AMB	AMBIENT	ID	INSIDE DIAMETER
AMP	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	KCC	KITCHEN EQUIPMENT CONTRACTOR
BAL	BALANCE	KW	KILOWATT
BDD	BACKDRAFT DAMPER	KWH	KILOWATT HOUR
BHP	BRIAKE HORSEPOWER	LAB	LABORATORY
BLDG	BUILDING	LAT	LEAVING AIR TEMPERATURE
BOO	BOTTOM OF DUCT	LB	POUND
BOS	BOTTOM OF STEEL	LB # OR LB	LEAVING DRY BULB TEMPERATURE
BTU	BRITISH THERMAL UNIT	LEN	LENGTH
BV	BY VALVE	LF	LINEAR FEET
BYP	BY PASS	LP	LOW PRESSURE
CA	COMMON	LPG	LIQUIFIED PETROLEUM GAS
CAV	CONSTANT AIR VOLUME	LPAS	LOW PRESSURE ALARM SWITCH
CD	CONDENSATE DRAIN	LEA	LEAKED ROTOR AMPS
CFM	CUBIC FEET PER MINUTE	LWB	LEAVING WET BULB TEMPERATURE
CFM1	CONTRACTOR FURNISHED/ OWNER	LWCO	LOW WATER CUT OFF
CFM2	CONTRACTOR FURNISHED/ OWNER	MA	MEDICAL AIR
CFS	CUBIC FEET PER SECOND	MAT	MIXED AIR TEMPERATURE
CIP	CAST IRON SOIL PIPE	MAV	MANUAL AIR VENT
CKT	CIRCUIT	MBH	MAXIMUM
CLG	CEILING, CEILING	MCA	1000 BTUH
CLG HT	CEILING HEIGHT	MD	MINIMUM
CO	CLEAN OUT	MISC	MISCELLANEOUS
CO2	CARBON DIOXIDE	MO	MOTOR OPERATED DAMPER
COMP	COMPRESSOR	MOV	MOTOR OPERATED VALVE
CONC	CONCRETE	MP	MEDIUM PRESSURE
CONST	CONSTANT	MVD	MANUAL VOLUME DAMPER
CONT	CONTINUOUS	NA	NOT APPLICABLE
COP	COEFFICIENT OF PERFORMANCE	NC	NOISE CRITERIA, NORMALLY CLOSED
COTG	CLEANOUT TO GRADE	NIC	NOT IN CONTRACT
CCP	COOLING COIL PUMP	NO	NITROGEN OXIDE, NORMALLY OPEN, NUMBER
CP	CONDENSATE PUMP	NTS	NOT TO SCALE
CFT	CUBIC FEET	OA	OUTSIDE AIR
CUIN	CUBIC INCHES	OAD	OUTSIDE AIR DAMPER
CW	COLD WATER	OAT	OUTSIDE AIR TEMPERATURE
DB	DEGREE(S)	OBD	OPPOSED BLADE DAMPER
DB	DRY BULB TEMPERATURE	OD	OUTSIDE DIAMETER
DDC	DIRECT DIGITAL CONTROL	OF/CI	OWNER FURNISHED/ CONTRACTOR
DEG	DEGREE	OF/CI	OWNER FURNISHED/ CONTRACTOR
DENS	DENSITY	OF/CI	OWNER FURNISHED/ CONTRACTOR
DEPT	DEPARTMENT	OF/CI	OWNER FURNISHED/ CONTRACTOR
DF	DRINKING FOUNTAIN	OUT	OUTLET
DIA OR Ø	DIAMETER	OUT	OUTLET
DIP	DUCTILE IRON PIPE	OZ	OUNCE
DISCH	DISCHARGE	PCT	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
DWY	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	RECIRCULATE
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)
EQM	EQUIPMENT	SG	SPECIFIC GRAVITY
EQFT	EQUIVALENT FEET	SHR	SENSIBLE HEAT RATIO
EQUIP	EQUIPMENT	SHT	SHEET
ESC	ESCUCHION	SL	SEA LEVEL
ESP	EXTERNAL STATIC PRESSURE	SOV	SHUT OFF VALVE
EWBT	ENTERING WET BULB TEMPERATURE	SPEC	SPECIFICATION(S)
EXP	EXPANSION	SV	SPECIFIC VOLUME
EXT	EXTERIOR	SQ	SQUARE
F	FAHRENHEIT	SS	STAINLESS STEEL
F&B	FACE AND BY-PASS	STD	STANDARD
F&T	FLOAT AND THERMOSTATIC TRAP	TA	TRANSFER AIR
FA	FACE AREA	TCV	TEMPERATURE CONTROL VALVE
FFA	FROM FLOOR ABOVE	TD	TEMPERATURE DIFFERENCE
FB	FROM FLOOR BELOW	TEMP	TEMPERATURE
FIN	FINISH	TAO	THROUGH JOIST OPENINGS
FIXT	FIXTURE	TONS	TONS OF REFRIGERATION
FLA	FULL LOAD AMPS	TSTAT	THERMOSTAT
FLEX	FLEXIBLE	TYP	TYPICAL
FLR	FLOOR	UNO	UNLESS NOTED OTHERWISE
FLTR	FILTER	VA	VOLT AMPERE
FPM	FEET PER MINUTE	VAC	VACUUM
FPS	FEET PER SECOND	VAR	VARIABLE
FSTAT	FREESTAT	VAV	VARIABLE AIR VOLUME
FTG	FOOTING	VERT	VERTICAL
FURN	FURNISH	VOL	VOLUME
FV	FACE VELOCITY	VTR	VENT THROUGH THE ROOF
GA	GAUGE	VVT	VARIABLE VOLUME TERMINAL
GAL	GALLON	W	WATTAGE
GALV	GALVANIZED	W/O	WITHOUT
GC	GENERAL CONTRACTOR	WBT	WET BULB TEMPERATURE
GPD	GALLON PER DAY	WT	WEIGHT, WATERTIGHT
GPH	GALLON PER HOUR	YPF	EXPLOSION PROOF
GPM	GALLON PER MINUTE	ZN	ZONE OF CONTROL
GPS	GALLON PER SECOND		
HD	HEAD		
HEX	HEAT EXCHANGER		

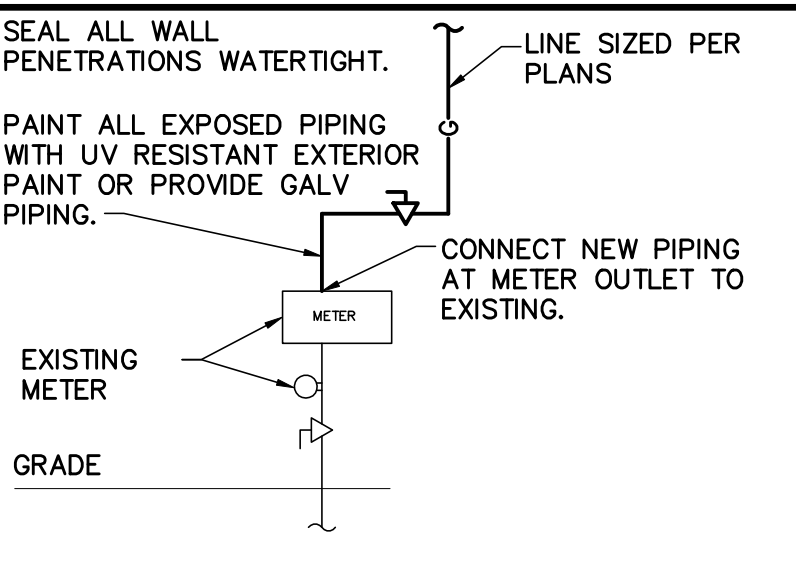
IECC MECH CERT



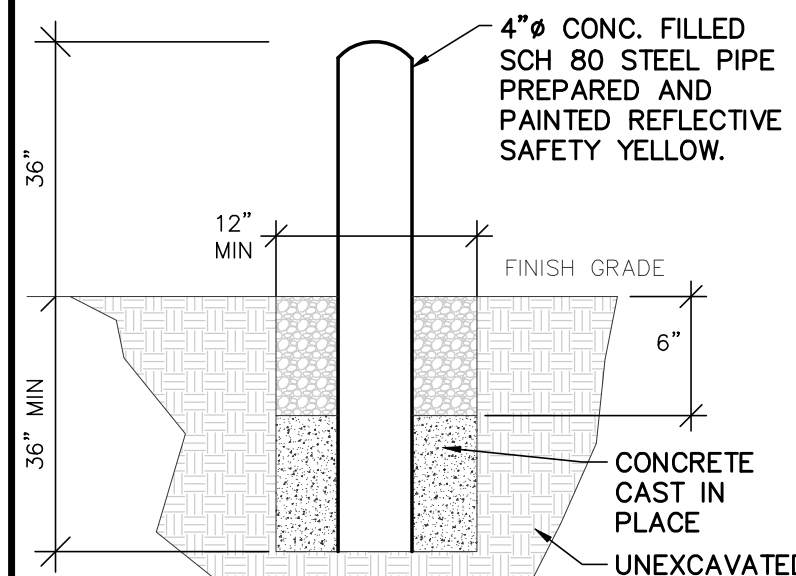
DIFFUSER BRANCH DUCT DETAIL
SCALE: NTS



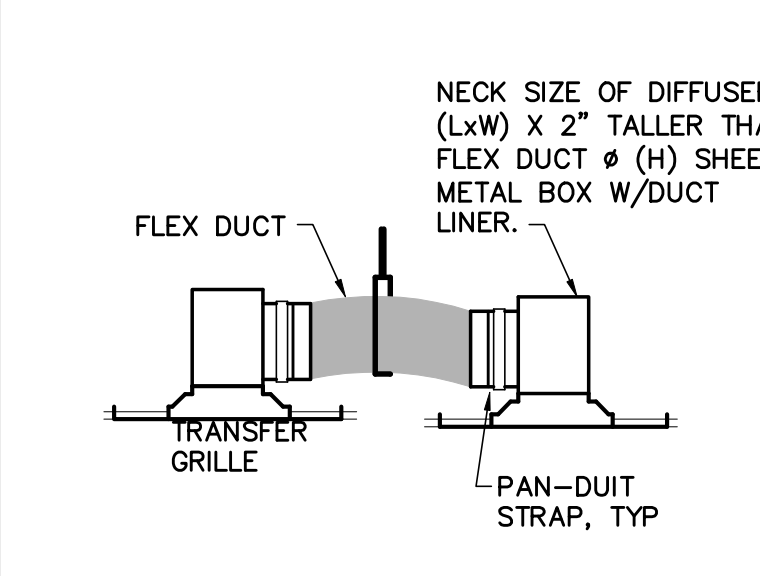
F-1, F-2 & F-3 DUCT DETAIL
SCALE: NTS



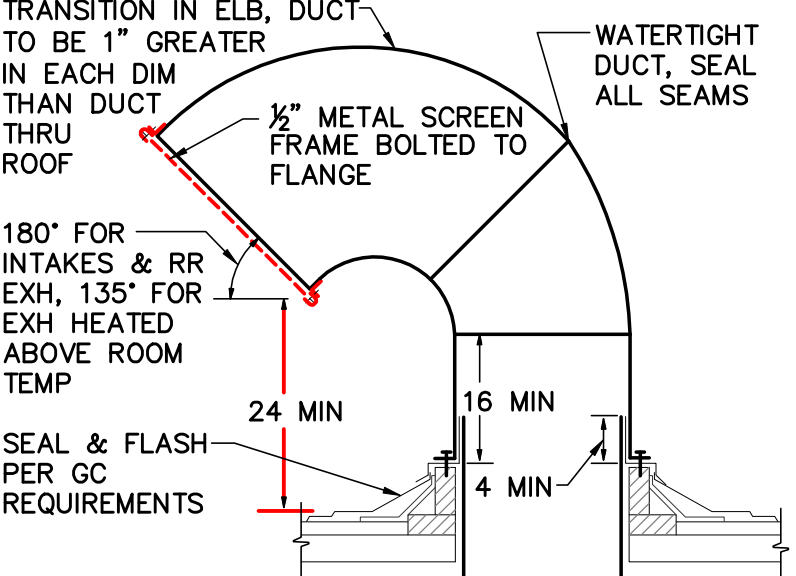
GAS SERVICE ENTRY
SCALE: NTS



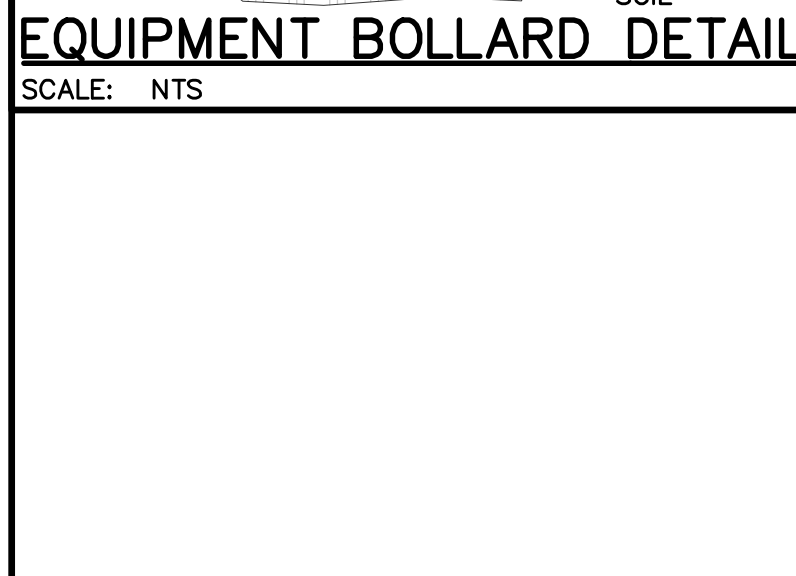
EQUIPMENT BOLLARD DETAIL
SCALE: NTS



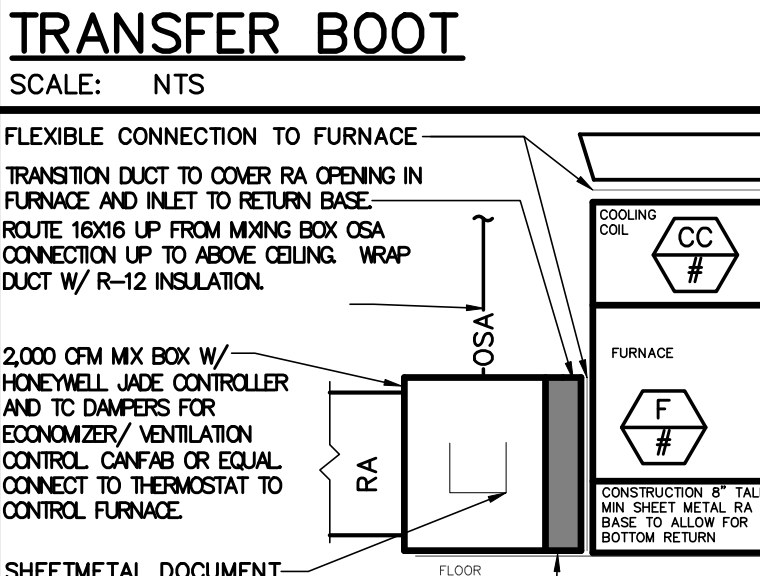
TRANSFER BOOT
SCALE: NTS



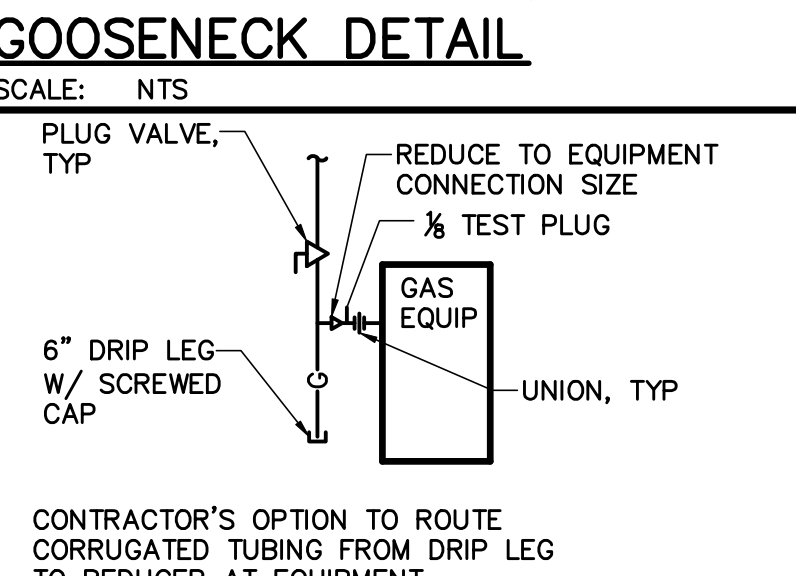
GOOSENECK DETAIL
SCALE: NTS



F-4 FURNACE DUCT DETAIL
SCALE: NTS



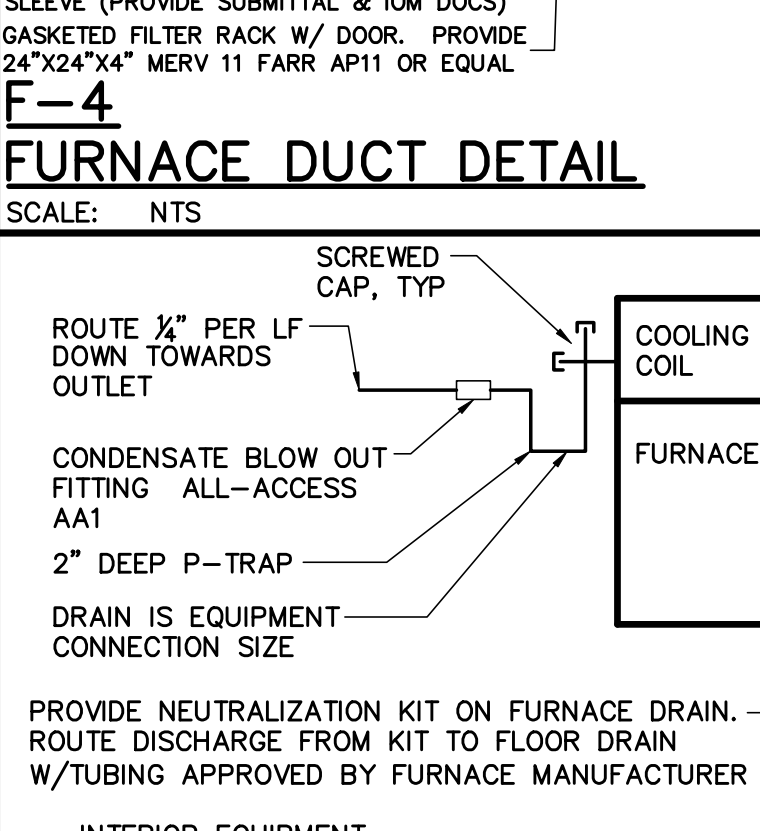
GAS EQUIPMENT CONNECTION
SCALE: NTS



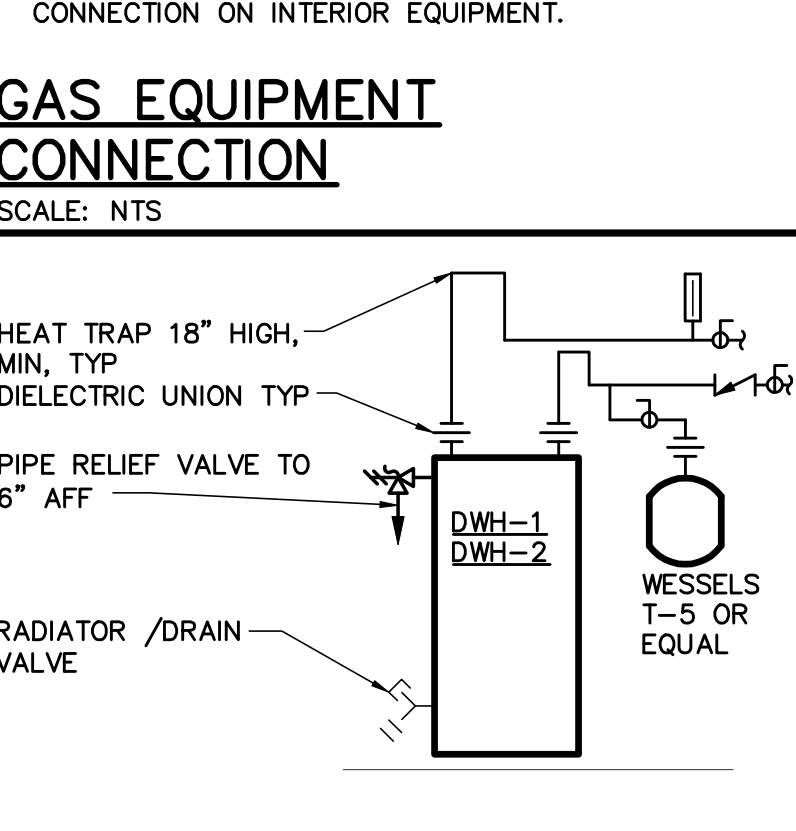
TANK WATER HEATER DETAIL
SCALE: NTS



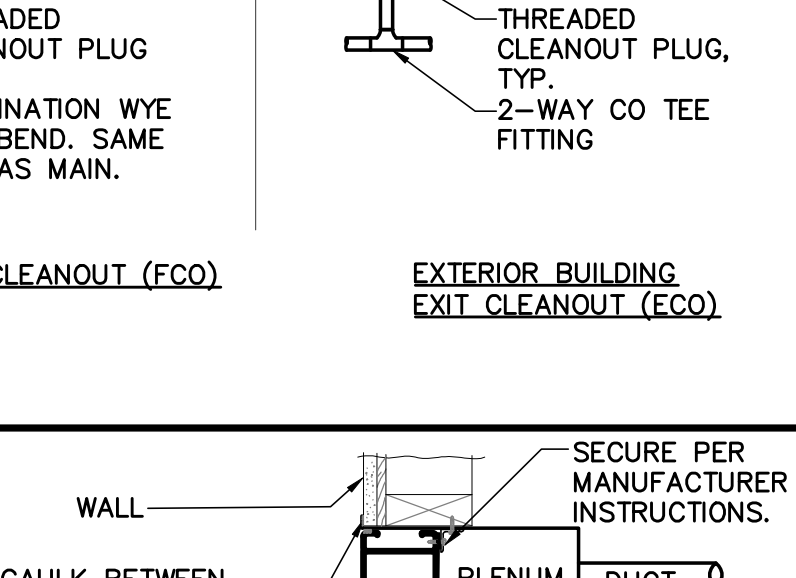
CONDENSATE DRAIN DETAIL
SCALE: NTS



CLEANOUT DETAILS
SCALE: NTS



GRAVITY RELIEF LOUVER DETAIL
SCALE: NTS



LOUVER DETAIL
SCALE: NTS

IECC DOMESTIC HOTWATER SYSTEM VOLUME

ITEM	ALLOWABLE VOLUME		DESIGN	DWH CIRC
	QUANTITY DWH FIXTURES	VOLUME		
DWH-1 SYSTEM	1	66	55	NO
DWH-2 SYSTEM	3	134	116	NO

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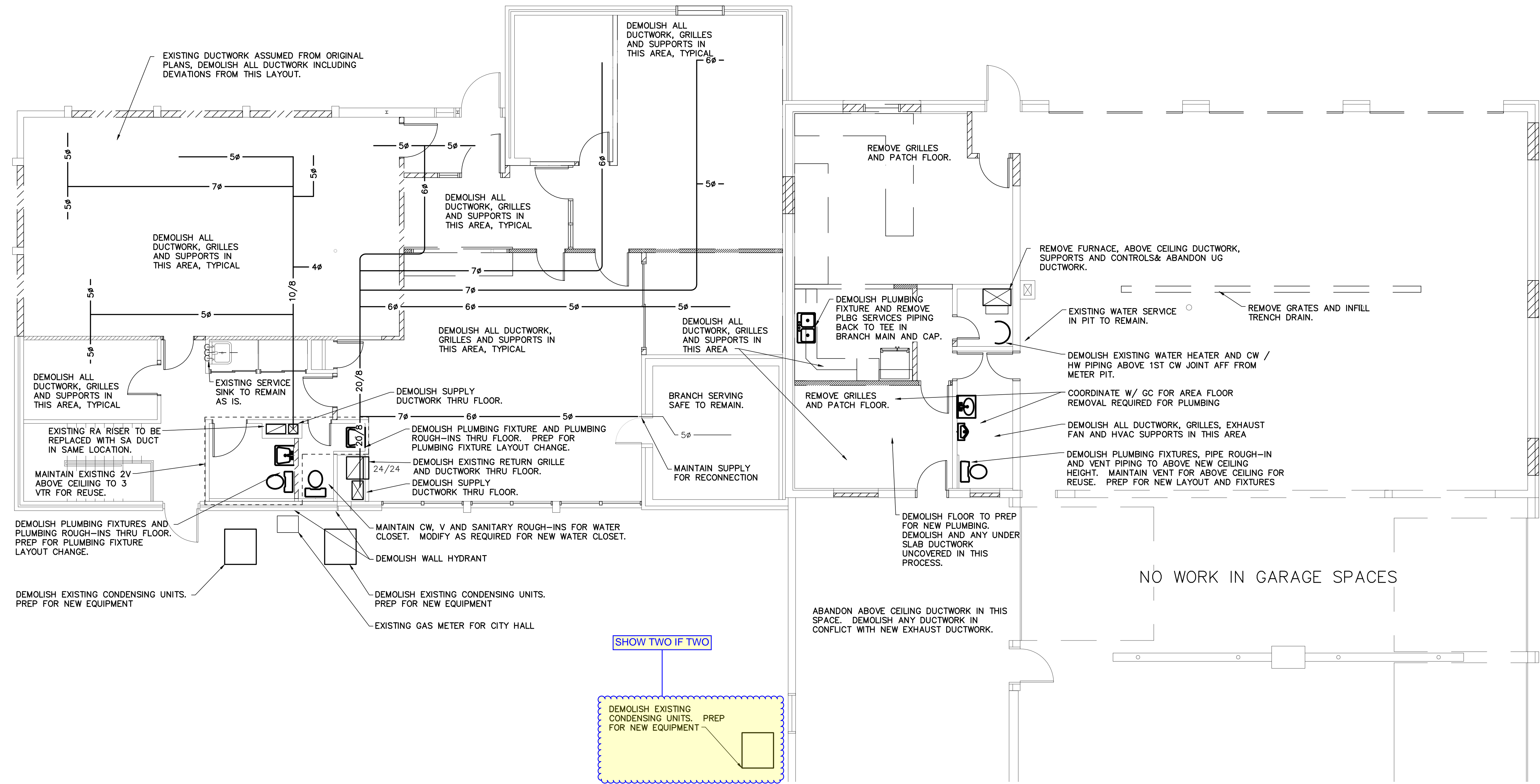
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Revisions
2023/06/05 70% CD
2023/07/07 95% CD

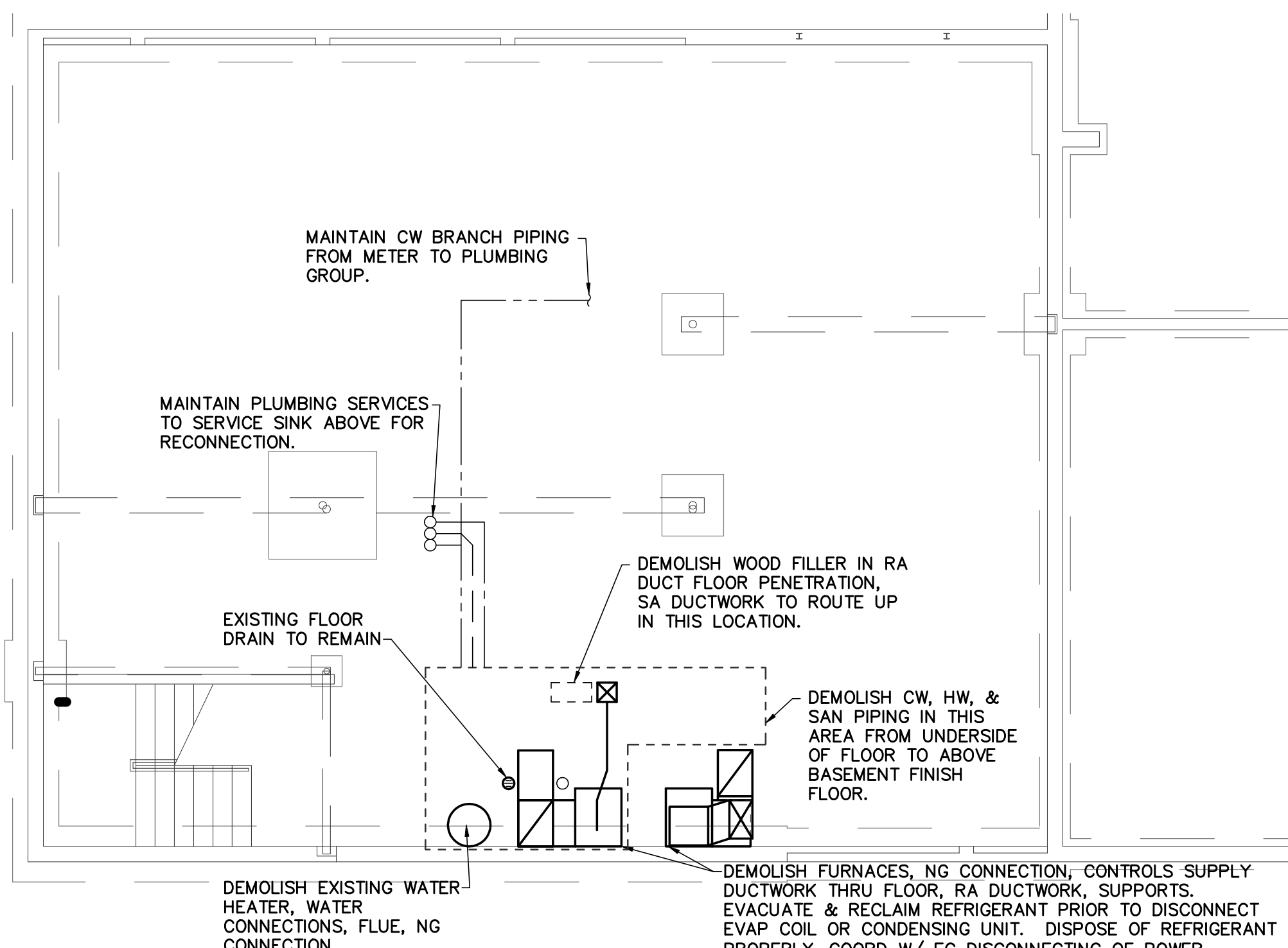
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MECHANICAL DETAILS

M0.2



1 - Demo Mechanical Plan - Main Level



0 - Demo Mechanical Plan - Basement

Progress Drawings -- Not For Construction



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MECHANICAL
 DEMO PLAN

M1.0

PLUMBING NOTES: (X) AS DESIGNATED IN PLAN

PLAN 2

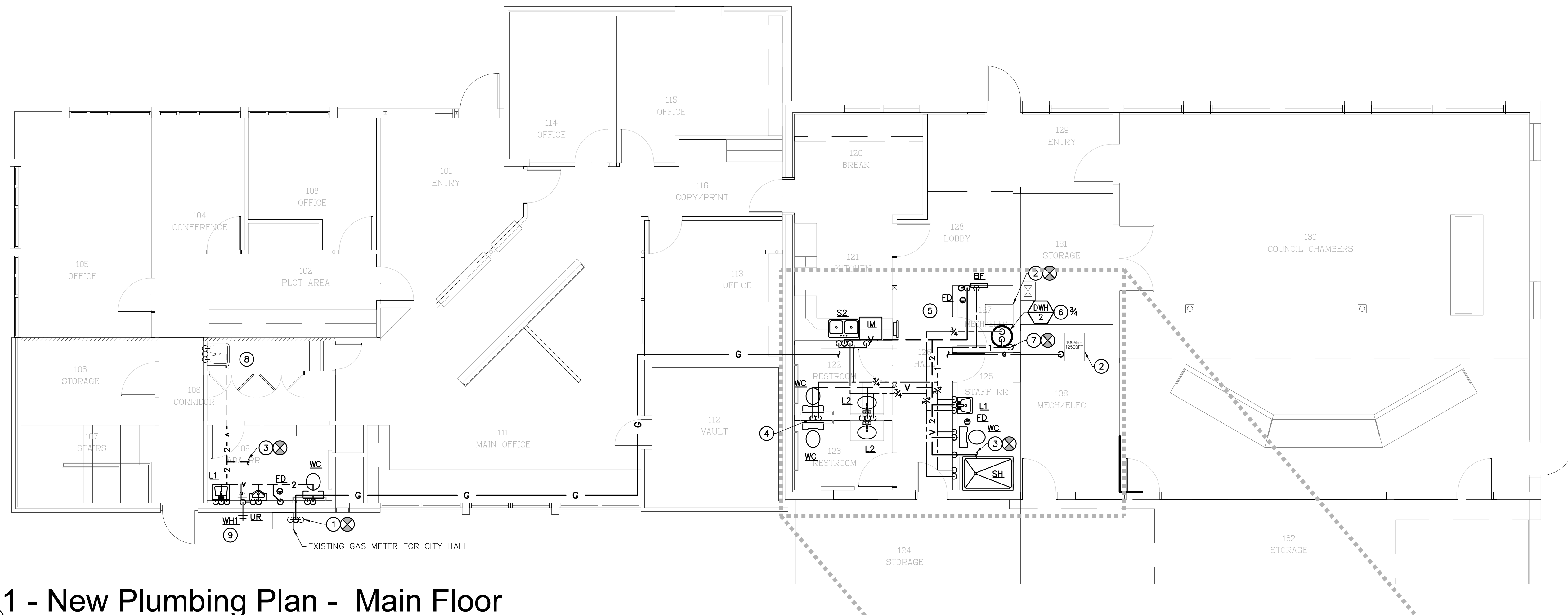
- FIELD CAMERA WASTE PIPING TO DETERMINE ROUTING, CONDITION AND SIZE. REPORT BACK TO CITY IF CONDITION WARRANTS REPLACEMENT. SAW CUT FLOOR TO ROUTE NEW WASTE PIPING. CONNECT TO EXISTING MAINS. BED NEW PIPING IN PEA GRAVEL OR 4" CLEAN SAND. PATCH FLOOR TO MATCH EXISTING.
- COORDINATE WASTE ROUTING AND FLOOR DEMOLITION REQUIREMENTS W/ GC.

PLAN 1

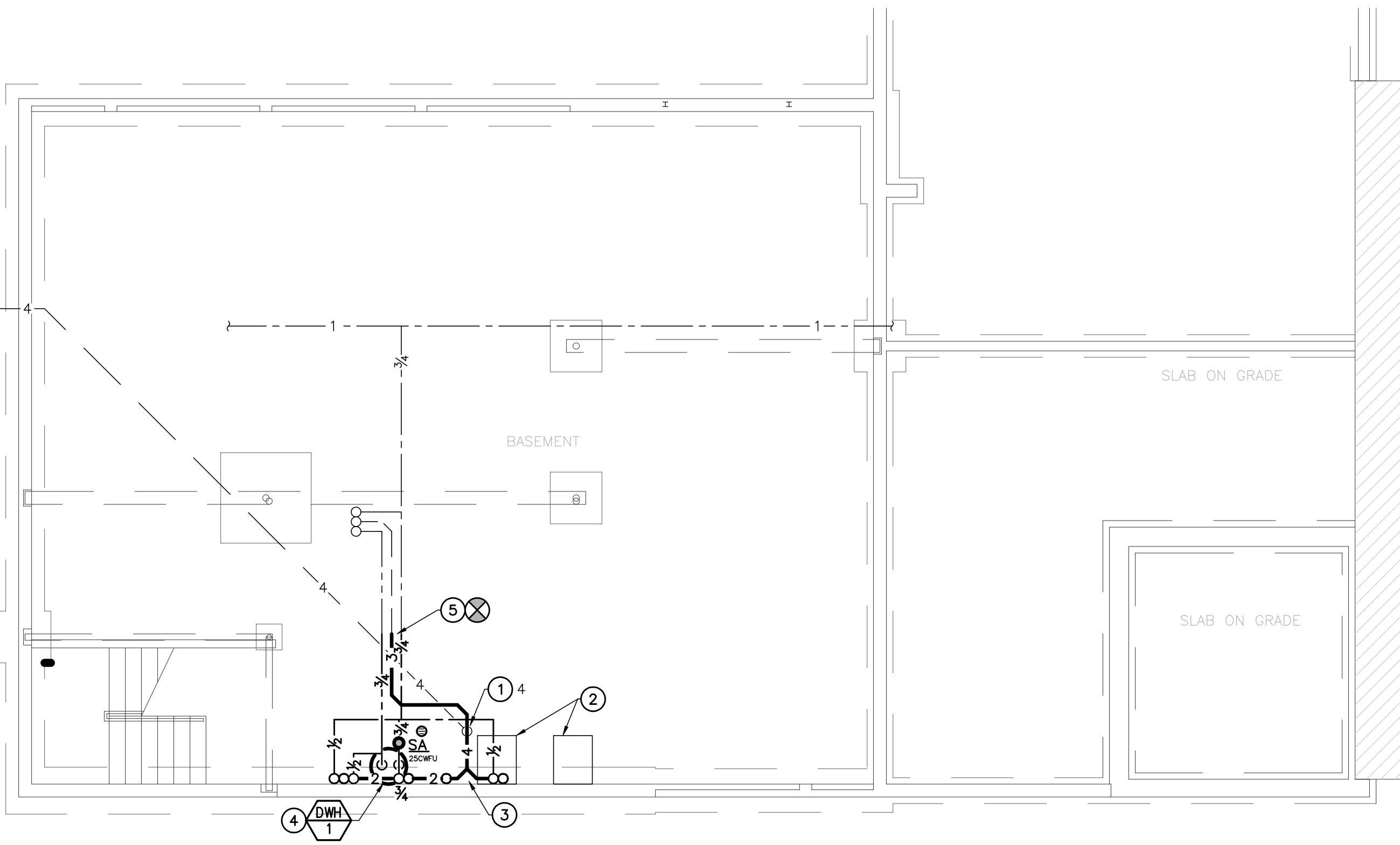
- 100 MBH ADDED TO CONNECTED LOAD. REVIEW EXISTING METER BUILDING SIDE PIPING AND CONNECT TO PIPING AT METER OUTLET. SEE GAS SERVICE ENTRY DETAIL. GAS PIPING TO RISE UP AND ROUTE INTO BUILDING ABOVE CEILING. SEAL WALL PENETRATION WATER TIGHT.
- FURNACE:
 - CONDENSATE DRAINS FROM FURNACE ROUTED TO FD1. MAINTAIN 1/4" DROP DOWN TOWARDS DRAIN. SEE CONDENSATE DRAIN DETAIL.
 - CONNECT GAS TO FURNACE PER GAS EQUIPMENT CONNECTION DETAIL.
- CONNECT TO EXISTING THRU ROOF TO VTR.
- MOUNT WALL CLEANOUT ABOVE FIXTURE. SEE CLEANOUT DETAILS.
- ROUTE NEW PLUMBING PIPING ABOVE CEILING FROM MECH ROOM TO FIXTURES.
- INSTALL NEW WATER HEATER. INSTALL PER TANK WATER HEATER DETAIL. UNIT CHANGE FROM GAS TO ELECTRIC TO COMPLY WITH IFGC/IMC CONFLICTS.
- CONNECT TO EXISTING CW MAIN FROM METER IN MECH ROOM. EXTEND SERVICES TO NEW FIXTURES.
- EXISTING SERVICE SINK TO REMAIN.
- INSTALL NEW WALL HYDRANT IN THE LOCATION OF THE DEMOLISH HYDRANT. PROVIDE BALL VALVE IN WALL. FURNISH 12"x12" LOCKING ACCESS DOOR TO GC FOR INSTALLATION. DOOR SHOULD BE LOCATED IN FRONT OF BALL VALVE.

PLAN 0

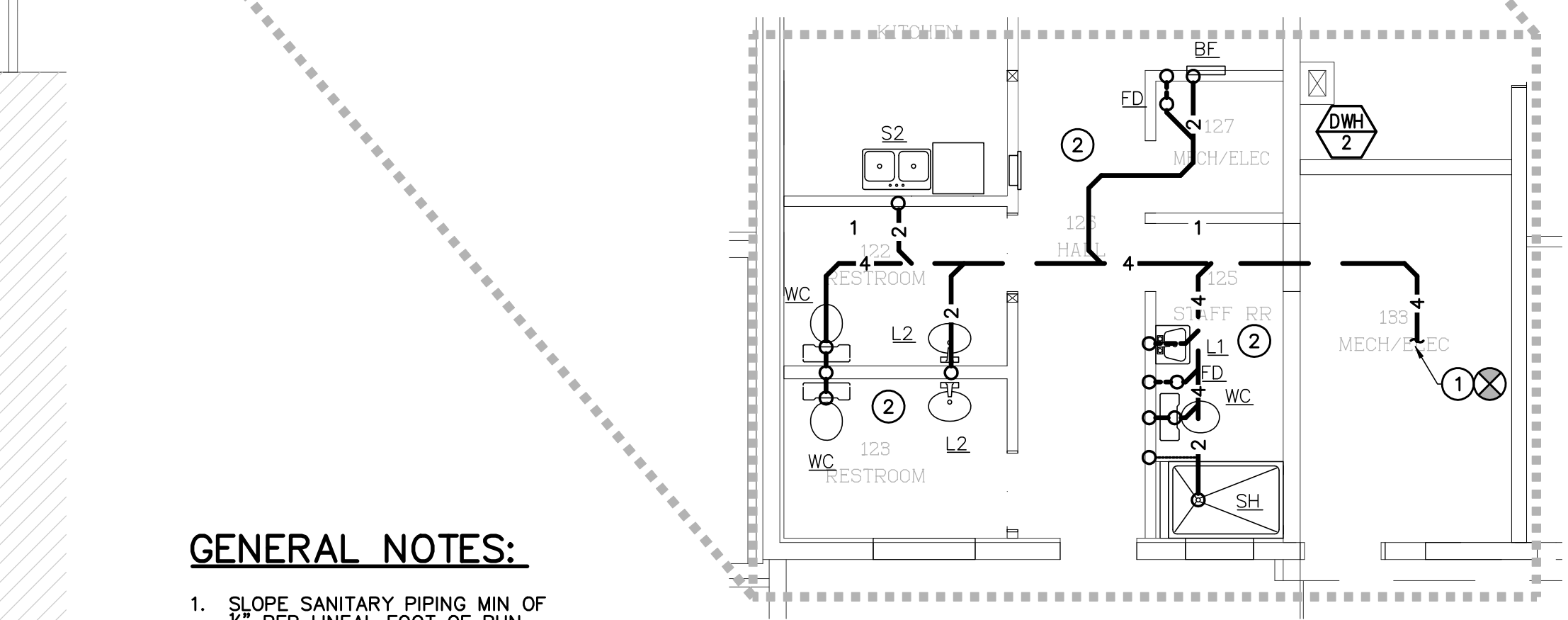
- EXISTING 4" SAN DROP AND PIPE CLEANOUT TO REMAIN.
- FURNACE:
 - EXISTING GAS SERVICE TO NEW FURNACE PER NG EQUIP CONNECTION DETAIL.
 - ROUTE CONDENSATE FROM FURNACE TO EXISTING FLOOR PER DETAIL. COORDINATE ROUTING WITH ACCESS TO FURNACES.
- ROUTE SANITARY WASTE, CW AND HW IN COORDINATION W/ HVAC CONTRACTOR. ROUTING SHALL ALLOW HVAC DUCTWORK TO BE INSTALLED ABOVE FURNACE.
- INSTALL NEW WATER HEATER. INSTALL PER TANK WATER HEATER DETAIL. UNIT CHANGE FROM GAS TO ELECTRIC TO COMPLY WITH IFGC/IMC CONFLICTS.
- RECONNECT SERVICES TO SERVICE SINK ABOVE.



1 - New Plumbing Plan - Main Floor



0 - New Plumbing Plan - Basement



2 - New Plumbing Plan - Underslab

GENERAL NOTES:

- SLOPE SANITARY PIPING MIN OF 1/8" PER LINEAL FOOT OF RUN.
- MINIMALLY SLOPE VENT PIPING TOWARDS CONNECTIONS TO SANITARY WASTE.
- SEE PLUMBING FIXTURE AND EQUIPMENT SCHEDULE FOR RUNOUT PIPE SIZES. PROVIDE ALL SPECIALTIES AND APPURTANCES TO PROVIDE A COMPLETE AND FUNCTIONAL PLUMBING FIXTURE. CAULK FIXTURES TO WALLS, COUNTERTOPS AND FLOORS WITH WHITE SILCON CAULK.
- REFERENCE ARCHITECTURAL PLANS FOR EXACT FIXTURE LOCATIONS AND CONSTRUCTION DETAILS.
- COORDINATE UNDERSLAB PIPING WITH FOOTINGS AND STEM WALLS.
- PROVIDE A MINIMUM OF 2" VENT FOR ALL UNDERFLOOR VENT PIPING.
- CHANGE PIPING AT UNDERSIDE OF ROOF. VENT UP THRU ROOF (VTR). TERMINATE PIPING 24" ABOVE ROOF. SEE ARCHITECTURAL DETAILS FOR FLASHING REQUIREMENTS, TYPICAL.

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Revisions	
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2023/07/07	95% CD

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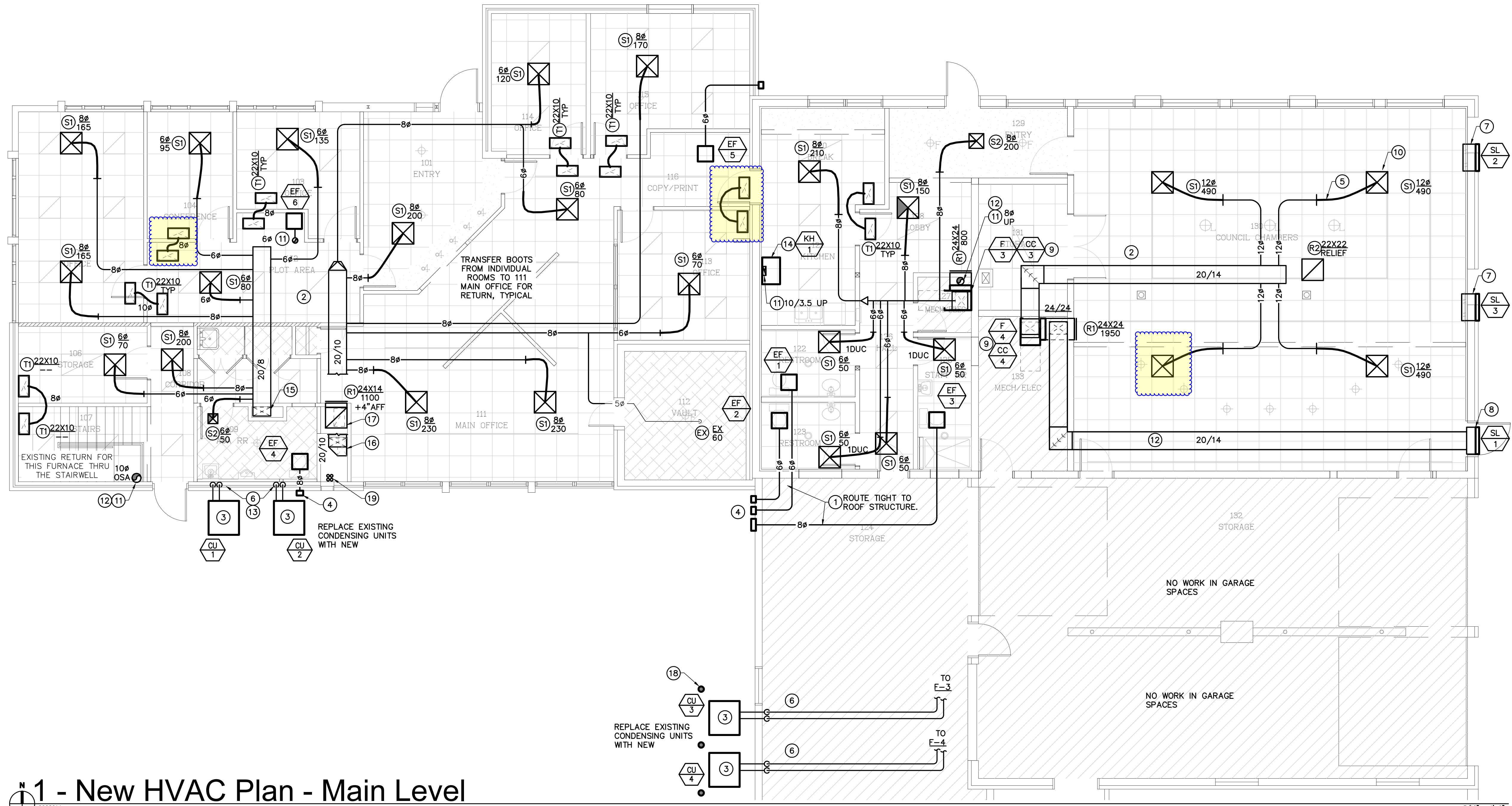
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CHECK	CC / CH
DATE	07.07.2023

PLUMBING PLAN

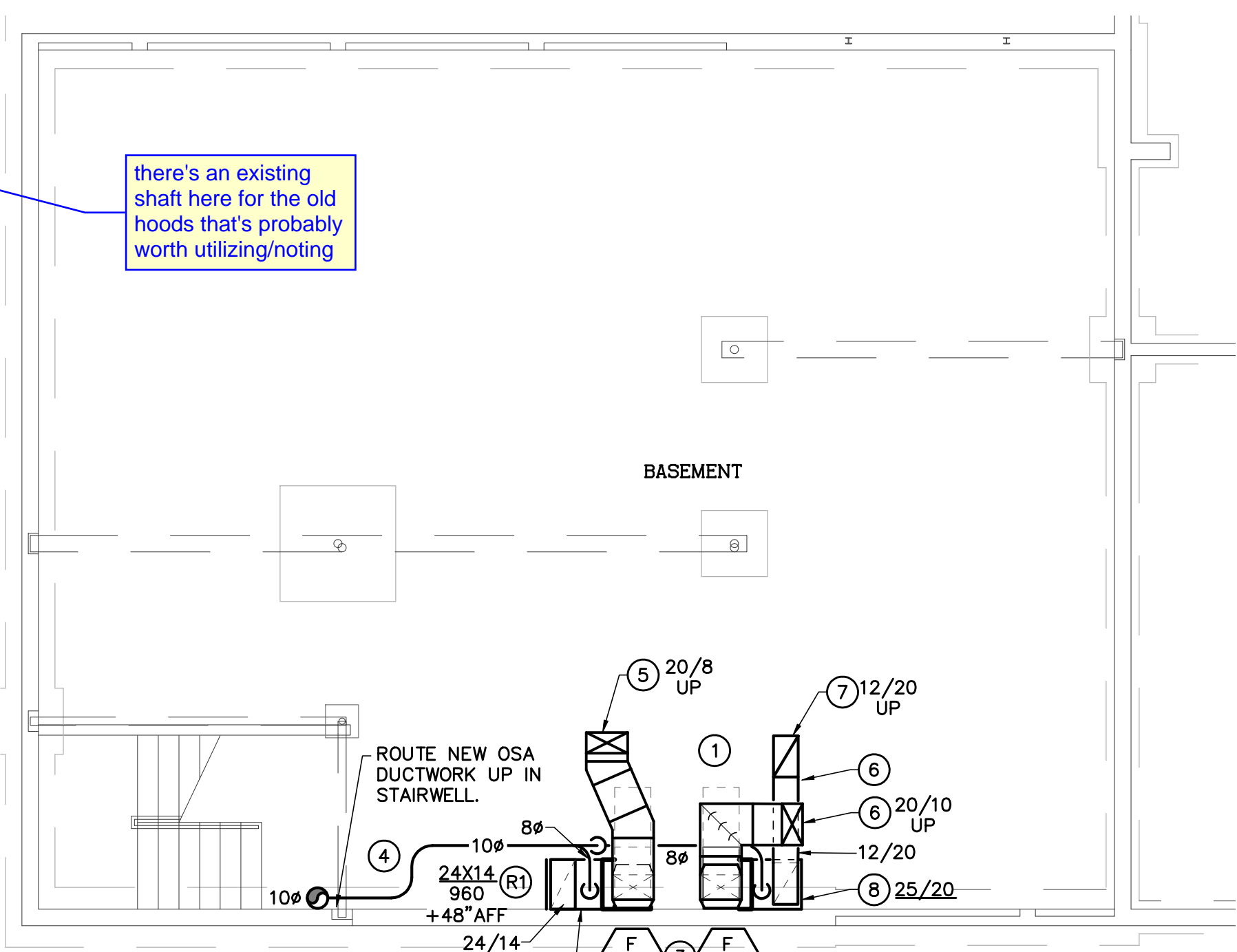
M2.0

HVAC NOTES:

- PLAN 1**
- INSTALL 1" DUCT WRAP ON ALL EXHAUST DUCTWORK
 - INSULATE DUCTWORK W/R-8 DUCT WRAP INSULATION UNLESS NOTED ELSEWHERE.
 - CONDENSING UNITS:
 - SET UNITS ON CONCRETE OR FIBERGLASS BASE. MOUNT UNIT MIN OF 3" ABOVE FINISH GRADE.
 - PROVIDE LOCKING ACCESS CAPS ON REFRIGERANT.
 - SET UNIT LEVEL ON CURB.
 - INSULATE REFRIGERANT PIPING W/ 1 1/2" INSULATION, PAINT INSULATION W/ UV PROTECTANT.
 - PROVIDE ALL VALVES & SPECIALTIES RECOMMENDED BY CONDENSING UNIT MANUFACTURER.
 - LEAK TEST, CLEAN, PURGE, AND CHARGE SYSTEM TO ENSURE OPERATIONAL SYSTEM.
 - PROVIDE LUXURY METALS ENERGY SAVER MAGNETIC WALL CAP OR EQUAL, COLOR/FINISH BY ARCHITECT. LOCATE 3' FROM BUILDING OPENINGS/INTAKES.
 - R-8 INSULATED FLEXIBLE DUCT. ROUTE MINIMUM LENGTH 4' TO MAX LENGTH OF 6' PER DIFFUSER/GRILLE. SUPPORT PER MANUFACTURER'S RECOMMENDATIONS, TYPICAL.
 - INTERIOR REFRIGERANT PIPING:
 - REFRIGERANT TUBING SIZE AS PER MANUFACTURER'S REQUIREMENTS.
 - INSTALL 1.5" INSULATION ON BOTH RL & RS TUBING.
 - PROVIDE ALL SPECIALTIES RECOMMENDED BY CONDENSING UNIT MANUFACTURER.
 - TUBE ROUTING:
 - ROUTE FROM EVAPORATOR COIL DOWN IN EXTERIOR WALL TO CONDENSING UNIT LOCATION.
 - FLASH UNSET AT EXTERIOR WALL PENETRATION PER ARCH REQUIREMENTS.
 - ECONOMIZER RELIEF LOUVER:
 - MOUNT LOUVER AT UNDERSIDE OF ROOF STRUCTURE.
 - SEE GRAVITY DAMPER DETAIL.
 - INSTALL BACKDRAFT DAMPER PER DETAIL. SET PRESSURE AS INDICATED.
 - LUBRICATE DAMPER PER IOM DOCUMENTATION.
 - MOUNT LOUVER AT UNDERSIDE OF ROOF STRUCTURE. SEE LOUVER DETAIL.
 - FURNACE REQUIREMENTS, TYPICAL.
 - SET UNIT ON 4" CONC PAD.
 - CONTROLS:
 - SET PROGRAMMABLE TSTAT TO 70°F HEATING AND 76°F COOLING
 - REPLACE EXISTING HONEYWELL JADE W ECONOMIZER CONTROLLER NEAR FURNACE.
 - REVIEW WIRING REQUIREMENTS FOR ECONOMIZER CONTROLLER, DAMPERS AND FURNACE CONTROL.
 - ALLOW FOR ECONOMIZER OPERATION DURING APPROPRIATE AMBIENT OUTDOOR TEMPERATURES ON A CALL FOR COOLING.
 - UNIT TO AUTO CHANGEOVER FROM HEATING, COOLING AND VENTILATION. FAN TO RUN CONTINUOUSLY DURING BUSINESS HOURS.
 - COORDINATE PROGRAMMING OF SETBACK TIMES WITH OWNER.
 - ROUTE 3" PVC FLUE & COMBUSTION AIR PIPING FROM EQUIPMENT UP THRU ROOF. CEMENT ALL JOINTS IN FLUE & CA PIPING. SLOPE PIPE DN TOWARDS EQUIPMENT. TERMINATE FLUE PER IOM 24" ABOVE THE ROOF MIN AND COMBUSTION AIR DUCT WITH SCREENED GOOSENECK W/ INLET 18" ABOVE ROOF.
 - SEE FURNACE DUCT DETAIL. [see gooseneck detail](#)
 - SEE GRILLES, REGISTERS AND DIFFUSER SCHEDULE FOR ADDITIONAL REQUIREMENTS, TYPICAL.
 - ROUTE DUCT UP TO GOOSENECK. SEE DETAIL.
 - INSULATE OSA DUCT W/ R-12 INSULATION.
 - REFRIGERANT PIPING TO DROP INTO BASEMENT TO EVAPORATOR COIL.
 - RESIDENTIAL HOOD EXHAUST DUCTWORK:
 - HOOD FOR RESIDENTIAL APPLIANCE.
 - SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
 - PER IMC CHP 5, THIS IS A NON-RESIDENTIAL APPLICATION AND IS DEFINED AS NON-FOOD SERVICE USE OVER DOMESTIC APPLIANCE.
 - PER IMC 505 -
 - DUCTWORK IS SEALED GALVANIZED
 - MAKE-UP FOR HOOD IS PROVIDED VIA VENTILATION/OSA PROVIDED TO BUILDING.
 - ROUTE 1/2" DUCT UP FROM TOP OUTLET OF HOOD TO ROOF. [there's an existing shaft here for the old hoods that's probably worth utilizing/noting](#)
 - UTILIZE ABANDONED RA FLOOR PENETRATION FOR NEW SUPPLY DUCT. ROUTE DUCT ABOVE CEILING.
 - UTILIZE RA FLOOR PENETRATION FROM DEMOLISHED DUCT FOR NEW SUPPLY DUCT. TRANSITION DUCTWORK IN VERTICAL AND ROUTE DUCT ABOVE CEILING.
 - COORDINATE W/ GC CUT FLOOR FOR NEW RA DUCT. LOCATE NEW 20/12 FLOOR PENETRATION TO COORDINATE W/ STEEL FLOOR JOISTS. ROUTE 20/12 UP INTO PLENUM FOR RA GRILLE. PLENUM TO BE SIZE OF THROAT OF GRILLE AND DEEP ENOUGH TO CONNECT DUCT FROM BASEMENT INTO BOTTOM.
 - PROVIDE EQUIPMENT BOLLARDS TO PROTECT UNITS. SEE DETAIL.
 - ROUTE CA AND FLUES UP FROM FURNACES BELOW. TERMINATE FLUE AT HGT ABOVE COMBUSTION AIR PER IOM AND COMBUSTION AIR PIPE WITH DOWNTURNED ELBOW 24" ABOVE ROOF.



1 - New HVAC Plan - Main Level



0 - New HVAC Plan - Basement

HVAC NOTES:

- PLAN 0**
- INSULATE DUCTWORK W/R-8 DUCT WRAP INSULATION UNLESS NOTED ELSEWHERE.
 - INTERIOR REFRIGERANT PIPING:
 - REFRIGERANT TUBING SIZE AS PER MANUFACTURER'S REQUIREMENTS.
 - INSTALL 1.5" INSULATION ON BOTH RL & RS TUBING.
 - PROVIDE ALL SPECIALTIES RECOMMENDED BY CONDENSING UNIT MANUFACTURER.
 - ROUTE TUBING FROM EVAPORATOR COIL UP TO EXTERIOR WALL IN RESTROOM ABOVE AND OUT TO CONDENSING UNIT LOCATION.
 - FURNACE REQUIREMENTS, TYPICAL.
 - SET UNIT ON 4" CONC PAD.
 - CONTROLS:
 - SET PROGRAMMABLE TSTAT TO 70°F HEATING AND 76°F COOLING
 - UNIT TO AUTO CHANGEOVER FROM HEATING, COOLING AND VENTILATION. FAN TO RUN CONTINUOUSLY DURING BUSINESS HOURS.
 - COORDINATE PROGRAMMING OF SETBACK TIMES WITH OWNER.
 - FLUE/COMB PIPE:
 - ROUTE 3" PVC FLUE & COMBUSTION AIR PIPING FROM EQUIPMENT UP THRU ROOF. CEMENT ALL JOINTS IN FLUE & CA PIPING. SLOPE PIPE DN TOWARDS EQUIPMENT.
 - ROUTE UP IN CHASE ABOVE. SEE MAIN FLOOR PLAN.
 - TERMINATE FLUE PER IOM 24" ABOVE THE ROOF MIN AND COMBUSTION AIR DUCT WITH SCREENED GOOSENECK W/ INLET 18" ABOVE ROOF.
 - SEE FURNACE DUCT DETAIL. [see gooseneck detail](#)
 - ROUTE OSA DUCT TIGHT TO FLOOR STRUCTURE. DROP OSA DUCT AT CROSSING OF SUPPLY DUCT MAIN. ROUTE OSA EXPOSED UP IN STAIRWELL. INSULATE OSA DUCT W/ R-12 INSULATION.
 - UTILIZE ABANDONED RA FLOOR PENETRATION FOR NEW SUPPLY DUCT. ROUTE DUCT ABOVE CEILING.
 - UTILIZE RA FLOOR PENETRATION FROM DEMOLISHED DUCT FOR NEW SUPPLY DUCT. TRANSITION DUCTWORK IN VERTICAL AND ROUTE DUCT ABOVE CEILING.
 - COORDINATE W/ GC CUT FLOOR FOR NEW RA DUCT. LOCATE NEW 20/12 FLOOR PENETRATION TO COORDINATE W/ STEEL FLOOR JOISTS.
 - SLIDE FURNACE LOCATION AS NECESSARY TO COORDINATE W/ EXISTING SHELVING IN BASEMENT.

Progress Drawings -- Not For Construction

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Revisions	
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HVAC PLAN

M3.0

BASIC ELECTRICAL REQUIREMENTS

SUMMARY OF WORK:
FURNISH ALL LABOR AND MATERIALS AND PERFORM ALL OPERATIONS NECESSARY FOR THE INSTALLATION OF COMPLETE AND OPERATING ELECTRICAL SYSTEMS SUBJECT TO THE CONDITIONS OF THE CONTRACT. PROVIDE SATISFACTORY OPERATION OF ALL EQUIPMENT AND CONTROLS TO THE ARCHITECT/ENGINEER UPON REQUEST.

EXAMINATION OF SITE:
VISIT THE SITE BEFORE SUBMITTING BID AS NO EXTRAS WILL BE ALLOWED FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS.

COORDINATION:
COORDINATE AND ORDER THE PROGRESS OF WORK TO CONFORM TO THE OWNER'S SCHEDULE AND THE PROGRESS OF THE WORK OF THE OTHER TRADES. SCHEDULE PLAN WORK SO THAT THE DURATION OF THE INTERRUPTIONS ARE KEPT TO A MINIMUM. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND BECAUSE OF THE SMALL SCALE, IT IS NOT POSSIBLE TO INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. VERIFY ALL SPACE REQUIREMENTS, COORDINATING WITH OTHER TRADES, AND INSTALL THE SYSTEMS IN THE SPACE PROVIDED WITHOUT EXTRA CHARGES TO THE OWNER.

VERIFY ALL EQUIPMENT IS READY FOR ELECTRICAL CONNECTIONS. COORDINATE ALL ELECTRICAL CONNECTIONS WITH THE START-UP OF THE EQUIPMENT.

THE CONTRACTOR SHALL PLAN HIS WORK TO PROCEED WITH MINIMUM INTERFERENCE WITH OTHER TRADES AND IT SHALL BE HIS RESPONSIBILITY TO INFORM THE GENERAL CONTRACTOR OF ALL OPENINGS REQUIRED IN THE BUILDING STRUCTURE FOR INSTALLATION OF WORK, AND TO PROVIDE SLEEVES, AS REQUIRED.

QUALITY ASSURANCE:
PERFORM WORK IN ACCORDANCE WITH GOOD COMMERCIAL PRACTICE. PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL STANDARDS. THE QUALITY APPEARANCE OF THE FINISHED WORK SHALL BE OF EQUAL IMPORTANCE WITH ITS ELECTRICAL EFFICIENCY. THE ARCHITECT/ENGINEER MAY REJECT WORK IF WORKMANSHIP AND APPEARANCE ARE NOT SATISFACTORY. INSTALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS, UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.

REGULATORY AND CODE REQUIREMENTS:
APPLY FOR AND PAY FOR ALL PERMITS, FEES, LICENSES AND INSPECTIONS FOR THE DIVISION OF WORK. COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AND ORDINANCES. COMPLY WITH REQUIREMENTS OF THE UTILITY COMPANIES. IN THE CASE OF DIFFERENCES BETWEEN THESE REQUIREMENTS AND ORDINANCES, THE MOST STRINGENT SHALL GOVERN. CALL FOR INSPECTIONS REQUIRED BY LOCAL BUILDING INSPECTION AUTHORITY.

WORK SHALL MEET THE REQUIREMENTS OF THE PLANS AND SHALL MEET NO LESS THAN THE MINIMUM REQUIREMENTS AND LATEST CODES AND STANDARDS OF THE FOLLOWING: ANSI, NEC, NEMA, NFPA, OSHA, UL, UBC, LOCAL FIRE MARSHAL, AND SERVING UTILITIES.

PLANS AND SPECIFICATIONS GO HAND IN HAND. WHAT IS REQUIRED IN ONE IS REQUIRED IN BOTH. WHERE CONFLICTS BETWEEN THESE SPECIFICATIONS AND PLANS EXIST, THE MOST STRINGENT REQUIREMENTS SHALL APPLY.

RESPONSIBILITY:
BE RESPONSIBLE FOR THE INSTALLATION OF A SATISFACTORY AND COMPLETE SYSTEM IN ACCORDANCE WITH THE INTENT OF THE DRAWINGS. PROVIDE, AT NO EXTRA COST, ALL INCIDENTAL ITEMS REQUIRED FOR COMPLETION OF THE WORK, EVEN THOUGH THEY ARE NOT SPECIFICALLY MENTIONED OR INDICATED ON THE DRAWINGS.

AT ALL TIMES DURING THE PERFORMANCE OF THE CONTRACTOR, PROPERLY PROTECT WORK FROM DAMAGE AND PROTECT THE OWNER'S PROPERTY FROM INJURY OR LOSS. MAKE GOOD ANY DAMAGE, INJURY, OR LOSS, EXCEPT SUCH AS MAY BE DIRECTLY DUE TO THE ERRORS IN THE PROPOSAL DOCUMENTS OR CAUSED BY REPRESENTATIVES OF THE OWNER. ADEQUATELY PROTECT ADJACENT PROPERTY AS PROVIDED BY LAW AND THE DOCUMENTS. PROVIDE AND MAINTAIN PASSAGEWAYS, GUARD FENCES, LIGHTS, AND OTHER FACILITIES AS REQUIRED FOR PROTECTION.

WORKMANSHIP:
WORK UNDER THIS CONTRACT SHALL BE PERFORMED BY WORKMEN SKILLED IN THE PARTICULAR TRADE, INCLUDING WORK NECESSARY TO PROPERLY COMPLETE THE INSTALLATION IN A WORKMANLIKE MANNER TO PRESENT A NEAT AND FINISHED APPEARANCE.

SHOP DRAWINGS:
SUBMIT SHOP DRAWINGS FOR ALL MATERIALS AND EQUIPMENT SHOWING ANY CHANGES REQUIRED IN DISTRIBUTION BOARDS, PANELBOARDS, LIGHT FIXTURES, ELECTRICAL WIRING, SPACE ALLOCATION, ETC.

PROVIDE PRODUCT DATA WITH MANUFACTURER'S CATALOG INFORMATION SHOWING RATINGS, DIMENSIONS, CONFIGURATIONS AND CONSTRUCTION. ALSO PROVIDE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

PROJECT RECORD DRAWINGS:
AT COMPLETION OF WORK, DELIVER COMPLETED PROJECT RECORD DOCUMENTS MARKED WITH FIELD CHANGES TO ARCHITECT/ENGINEER.

OPERATION AND MAINTENANCE DATA:
AT THE COMPLETION OF WORK, SUBMIT (3) TYPED AND HARD-BOUND COPIES OF AN OPERATING AND MAINTENANCE MANUAL TO THE ARCHITECT/ENGINEER FOR APPROVAL BEFORE SCHEDULING ANY SYSTEM DEMONSTRATION FOR THE OWNER.

WARRANTIES:
PROVIDE A WRITTEN WARRANTY TO THE OWNER COVERING THE ENTIRE ELECTRICAL WORK TO BE FREE FROM DEFECTIVE MATERIALS, EQUIPMENT AND WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE.

CLEAN-UP AND CLOSE-OUT:
KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH CAUSED BY THIS CONTRACTOR'S WORK OR HIS EMPLOYEES.

UPON COMPLETION OF WORK, REMOVE MATERIALS, SCRAPS AND DEBRIS RELATIVE TO THIS CONTRACTOR'S WORK AND LEAVE THE PREMISES, INCLUDING CRAWL SPACES AND CHASES, IN CLEAN AND ORDERLY CONDITION.

CLEAN EXPOSED SURFACES OF LIGHT FIXTURES, DISTRIBUTION BOARDS, PANELS AND OTHER EXPOSED ITEMS OF GREASE, DIRT OR OTHER FOREIGN MATERIAL. REMOVE RUBBISH AND DEBRIS RESULTING FROM THE OPERATIONS OF THIS CONTRACTOR AND LEAVE SPACES CLEAN AND READY FOR USE.

BASIC MATERIALS AND METHODS

MOTORS AND STARTERS:
ALL MOTORS, STARTERS AND OTHER ELECTRICAL CONTROL EQUIPMENT SHALL BE LISTED PER THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC).

COREDILLING AND SAWCUTTING:
PROVIDE ALL COREDRILLING AND SAWCUTTING REQUIRED BY THE WORK IN THIS DIVISION. FIRE AND SMOKE SEAL ALL PENETRATIONS TO MAINTAIN RATINGS OF ALL AREA SEPARATIONS. PATCH AND PREPARE SURFACE TO RECEIVE NEW FINISH WHERE SPECIFIED BY THE ARCHITECT. FINISH SURFACE TO MATCH SURROUNDING SURFACE FINISHES, AS SPECIFIED.

SEALING:
MAINTAIN ALL CEILING, FLOOR AND WALL PROTECTION RATINGS FOR FIRE AND SMOKE. SEAL ALL CONDUIT AND ENCLOSURE PENETRATIONS TO COMPLY WITH UL ASSEMBLY AND BUILDING CODE REQUIREMENTS. ALL SEALANTS AND CONSTRUCTIONS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO APPLICATION. ALL OPENINGS SHALL BE SEALED DAILY.

RACEWAYS:
RACEWAYS SHALL BE CONCEALED AND APPROVED FOR USE AND LOCATION. DRY LOCATIONS - GRC, IMC, EMT. FLEXIBLE CONDUIT - GALVANIZED STEEL, LIQUIDTIGHT.

JUNCTION AND PULL BOXES: SIZE PER THE NEC. DRY LOCATIONS - STEEL WITH COVERS. WET LOCATIONS - CAST ALUMINUM.

COUPLINGS AND CONNECTORS:
GRC - THREADED
IMC - THREADED
EMT - COMPRESSION
PVC - CEMENT
JOINT TYPE. INDENTER TYPE CONNECTORS PROHIBITED.

WIRING DEVICES AND PLATES:

DUPLEX OUTLETS - PASS & SEYMOUR CR SERIES, 120VAC, 20 AMP
GFCI OUTLETS - PASS & SEYMOUR - CR SERIES, 120VAC, 20 AMP
AC SWITCHES - PASS & SEYMOUR - CR SERIES, 120VAC, 20 AMP
DEVICE COLOR - IVORY (VERIFY WITH ARCHITECT)
PLATES - IVORY NON-BREAKABLE NYLON (VERIFY WITH ARCHITECT)

ALL RATINGS SHALL MATCH BRANCH CIRCUIT AND LOAD CHARACTERISTICS. ALL 15 AND 20 AMP RECP. IN KITCHEN TO BE GFI PROTECTED PER NEC.

WIRE:
COPPER ONLY WITH THHN/THWN TYPE INSULATION IN RACEWAY. NO ALUMINUM CONDUCTORS ALLOWED WITHOUT PRIOR APPROVAL FROM THE ENGINEER. UL LISTED LUGS AND CONNECTORS, NEC APPROVED COLOR CODING. ALL WIRE SHALL HAVE AN INSULATION VOLTAGE RATING OF 60V VOLTS, AND AN INSULATION TEMPERATURE RATING OF 75 DEGREES C.

WIRE COLORS: BLACK, RED, AND BLUE FOR CIRCUITS AT 120/208V, SINGLE OR THREE PHASE. BROWN, ORANGE, AND YELLOW FOR CIRCUITS AT 277/480V.

SUPPORTS AND HANGERS:
SUPPORTS AND HANGERS MUST BE UL LISTED AND APPROVED BY LOCAL INSPECTORS.

ANCHORS:
HOLLOW MASONRY - TOGGLE BOLT.
SOLID MASONRY - EXPANSION BOLT.
METAL - MACHINE SCREWS, BOLTS, WELDING.
WOOD - WOOD SCREWS.

GROUNDING:
IN STRICT ACCORDANCE WITH THE NEC AND UTILITY COMPANY REGULATIONS. PROVIDE COPPER EQUIPMENT GROUNDING CONDUCTOR IN ALL RACEWAYS.

PERMANENTLY ATTACH EQUIPMENT AND GROUNDING CONDUCTORS PRIOR TO ENERGIZING EQUIPMENT.

NAMEPLATES:
PROVIDE ON ALL PANELS, DISCONNECTS AND EQUIPMENT. NAMEPLATES SHALL HAVE 3/16" HIGH LETTERS ENGRAVED WITH CONTRASTING COLOR FILL. DEVICE PLATE ENGRAVING SHALL BE 1/8" HIGH LETTERS WITH CONTRASTING COLOR FILL.

PANELBOARDS:
MANUFACTURER, STYLE, ETC. EXISTING. COMPLETE WITH TYPEWRITTEN DIRECTORY, CIRCUIT BREAKERS (MULTIPLE-POLE INTERNAL TRIP), DEAD FRONT, LOCKING DOORS, UL LISTING, ETC. PROVIDE NEW TYPEWRITTEN PANEL DIRECTORIES IN ALL PANELS AFFECTED BY THE RENOVATION SCOPE OF WORK.

LIGHT FIXTURES:
PROVIDE NEW LIGHT FIXTURES AS SCHEDULED COMPLETE WITH TRIMS, LAMPS, FUSES, GASKETS, BALLASTS, OPTIONS, ACCESSORIES, ETC. AS SCHEDULED.

INSTALL SUSPENDED LIGHT FIXTURES USING CHAIN HANGERS WITH SUFFICIENT LENGTH REQUIRED TO SUSPEND THE FIXTURE AT HEIGHT SPECIFIED.

SUPPORT LIGHT FIXTURES INDEPENDENT OF CEILING FRAMING. CONNECT LIGHT FIXTURES TO BRANCH CIRCUITS, AS INDICATED. INSTALL SPECIFIED LAMPS IN EACH FIXTURE.

MECHANICAL EQUIPMENT:
SEE PLANS FOR CONNECTION OF MECHANICAL EQUIPMENT. PROVIDE FLEXIBLE CONDUIT (WITH EQUIPMENT GROUND CONDUCTOR) CONNECTION AT ALL MOTORS.

ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL CONNECTION WITH MECHANICAL CONTRACTOR. ALSO, ELECTRICAL CONTRACTOR SHALL OBTAIN MECHANICAL SUBMITTALS TO COORDINATE DISCONNECT MEANS, SPECIFICATIONS, AND VOLTAGE REQUIREMENTS PRIOR TO ROUGH-IN. VERIFY REQUIREMENTS FOR EACH UNIT WHEN DELIVERED TO SITE. IF DISCREPANCIES OCCUR, NOTIFY THE ELECTRICAL ENGINEER AND ARCHITECT IMMEDIATELY.

ELECTRICAL CONTRACTOR IS TO REVIEW AND COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS, INCLUDING ALL EQUIPMENT SCHEDULES TO ENSURE THAT ALL CONNECTIONS FOR THEIR EQUIPMENT ARE PROVIDED. DEVICE LOCATIONS ARE TO BE COORDINATED WITH THE APPROPRIATE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK OR ELECTRICAL ROUGH-INS.

ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH MECHANICAL CONTRACTOR TO PROVIDE 120V POWER, IF NEEDED, TO ACCOMMODATE ANY LOW VOLTAGE REQUIREMENTS THAT MECHANICAL EQUIPMENT MAY HAVE.

INSTALL DISCONNECT SWITCHES, CONTROLLERS, ETC. TO COMPLETE ALL EQUIPMENT WIRING REQUIREMENTS.

DRAWINGS AND MEASUREMENTS:
CONTRACT DRAWINGS FOR ELECTRICAL WORK ARE IN PART DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK AND INDICATE GENERAL ARRANGEMENT OF EQUIPMENT, CONDUITS AND APPROXIMATE SIZES AND LOCATIONS OF EQUIPMENT AND OUTLETS. ELECTRICAL TRADES SHALL FOLLOW THESE DRAWINGS IN LAYING OUT THEIR WORK, CONSULT GENERAL CONSTRUCTION DRAWINGS TO FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THEIR WORK, AND SHALL VERIFY SPACES IN WHICH THEIR WORK WILL BE INSTALLED. COORDINATE WORK WITH OTHER TRADES AS JOB CONDITIONS REASONABLY REQUIRE.

WHERE JOB CONDITIONS REQUIRE REASONABLE CHANGES IN INDICATED LOCATIONS AND ARRANGEMENT, MAKE SUCH CHANGES WITHOUT EXTRA COST TO OWNER.

THE DRAWINGS ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS AND ARE NOT TO SERVE AS SHOP DRAWINGS.

ALL RACEWAYS SHALL BE CONCEALED IN FINISHED SPACES UNLESS NOTED OTHERWISE. SURFACE-MOUNTED RACEWAYS (WIREMOLD) SHALL BE LIMITED IN USE AND ONLY PERMITTED WHERE PRIOR APPROVAL IS OBTAINED FROM THE ARCHITECT. RACEWAYS IN NON-FINISHED SPACES, SUCH AS MECHANICAL ROOMS AND CRAWL SPACES, SHALL BE PERMITTED TO BE EXPOSED. ALL EXPOSED RACEWAYS SHALL BE ROUTED PLUMB AND SQUARE TO BUILDING SURFACES. RACEWAYS IN NON-FINISHED SPACES SHALL BE INSTALLED SUCH THAT MAJOR RELOCATION IS NOT REQUIRED WHEN CEILINGS AND WALLS ARE INSTALLED IN THE FUTURE.

OWNER SUPPLIED EQUIPMENT:
COORDINATE ELECTRICAL CONNECTIONS FOR OWNER-SUPPLIED EQUIPMENT WITH OWNER, MANUFACTURER DATA, AND EQUIPMENT NAMEPLATE INFORMATION.

SUBSTITUTIONS:
ALL SUBSTITUTIONS TO BE APPROVED BY OWNER, ARCHITECT AND ENGINEER.

INSTALLATION:
INSTALL WORK IN ACCORDANCE WITH STATE AND LOCAL STANDARDS.

RACEWAY ROUTING, WHEN SHOWN, IS IN APPROXIMATE LOCATIONS. FIELD COORDINATE ROUTING.

CUT CONDUIT SQUARE USING SAW OR PIPE CUTTER; DEBURR CUT ENDS.

INSTALL SUITABLE PULLSTRING OR CORD IN EACH EMPTY RACEWAY. INSTALL SUITABLE CAPS TO PROTECT INSTALLED CONDUIT AGAINST ENTRANCE OF DIRT AND MOISTURE.

INSTALL FITTINGS TO ACCOMMODATE EXPANSION AND DEFLECTION WHERE RACEWAY CROSSES CONTROL AND EXPANSION JOINTS.

ELECTRICAL IDENTIFICATION:

PROVIDE ELECTRICAL IDENTIFICATION:
A. ALL NEW JUNCTION BOX COVERS AND RECEPTACLE COVERPLATES TO HAVE PANEL, CIRCUIT AND SERVICE INFORMATION.
B. ALL PANELS TO HAVE NEW TYPE WRITTEN REGISTERS.
C. ALL PANELS SHALL BE LABELED ON OUTSIDE OF COVER (3" WIDE BY 1-1/4" HIGH WITH 1/4" LETTERS) WITH:
1. PANEL DESIGNATION
2. CIRCUIT # & LOCATION PANEL IS SERVED FROM
3. VOLTAGE / PHASE
4. WIRING COLOR DESIGNATIONS
5. ON OUTSIDE OF CIRCUIT BREAKER DOOR PLACE NEC 70E WARNING LABEL FOR ARC FLASH. LABEL SHALL INCLUDE PPE REQUIREMENTS FOR WORKING ON LIVE PANELS.
D. PROVIDE LABELING ON ALL EQUIPMENT STARTERS/DISCONNECTS OF EQUIPMENT STATING EQUIPMENT DESIGNATION, PANEL & CIRCUIT EQUIPMENT IS SERVED FROM.
E. PROVIDE LABELING ON ALL CONTACTORS STATING SERVICE, PANEL & CIRCUIT CONTACTOR IS SERVED FROM.

ELECTRICAL LEGEND

- PANEL
- TELEPHONE BOARD
- DISCONNECT SWITCH
- BRANCH CIRCUIT CONCEALED IN WALL OR CEILING
- BRANCH CIRCUIT CONCEALED IN OR UNDER FLOOR
- EMPTY CONDUIT - 3/4" UNLESS OTHERWISE NOTED
- HOME RUN TO PANEL. NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS
- NUMBER OF HASHMARKS INDICATES NUMBER OF CONDUCTORS. NO HASHMARKS INDICATES TWO CONDUCTORS.
- LED LIGHT FIXTURE (WALL OR CEILING MOUNT)
- LED LIGHT FIXTURE (SURFACE)
- LED LIGHT FIXTURE (RECESSED)
- DIRECT/INDIRECT LED LIGHT FIXTURE (RECESSED)
- EMERGENCY EXIT LIGHT
- EMERGENCY LIGHTING
- EMERGENCY EXTERIOR LIGHTING
- DUPLEX CONVENIENCE RECEPTACLE - GROUNDED TYPE
- QUAD OUTLET
- FLOOR OUTLET
- WEATHERPROOF OUTLET
- RANGE OUTLET (WITH CORD CAP)
- TELEPHONE/DATA OUTLET
- MOTOR
- SPECIAL EQUIPMENT OUTLET AS NOTED
- TELEVISION OUTLET
- JUNCTION BOX OR J-BOX
- SWITCH
- SWITCH-3 WAY
- SWITCH-4 WAY
- SWITCH-DIMMER
- SWITCH-FUSE STATT
- NOTE DESIGNATION
- MECHANICAL EQUIPMENT UNIT IDENTIFICATION
- EXISTING DEVICE TO REMAIN IN USE
- OCCUPANCY SENSOR-WATT STOPPER DT-355
- OCCUPANCY SENSOR-WATT STOPPER PW-100
- OCCUPANCY SENSOR W/SENSOR-WATT STOPPER PW-311 0-10V DIMMER

ELECTRICAL ABBREVIATIONS LIST

AMP	AMPHERE	PNL	PANELBOARD
AC	ALTERNATING CURRENT	PHN	PHONE
AFC	ABOVE FINISHED COUNTERTOP	PR	PRINTER
AFF	ABOVE FINISHED FLOOR	PRI	PRIMARY
AWG	AMERICAN WIRE GAUGE	RECP	RECEPTACLE
BKR	BREAKER	RM	ROOM
BLDG	BUILDING	SCHED	SCHEDULE
CD	CIRCUIT BREAKER	SEC	SECONDARY
C	CONDUIT	SHT	SHEET
CLG	CEILING	SPD	SURGE PROTECTIVE DEVICE
IT	DATA COMMUNICATIONS ROOM	SPEC	SPECIFICATIONS
DIA	DIAMETER	SWBD	SWITCHBOARD
DISC	DISCONNECT	TVSS	TRANSIENT VOLTAGE
DWG	DRAWING	SURE	SURE SUPPRESSOR
EC	ELECTRICAL CONTRACTOR	TYP	TYPICAL
ELEC	ELECTRICAL	UNO	UNLESS NOTED OTHERWISE
EQUIP	EQUIPMENT	V/D	VOICE/DATA
EX	EXISTING	V	VOLT. VOLTAGE
EG	EQUIPMENT GROUND	VA	VOLT AMPHERES
EMT	ELECTRICAL METALLIC TUBING	VC	VIDEO CAMERA
EWC	ELECTRIC WATER COOLER	WP	WATER PROOF
GC	GENERAL CONTRACTOR	WS	WR WATER RESISTANT
GRD	GROUND	WS	WORK STATION
GFI	GROUND FAULT INTERRUPTING	XFMR	TRANSFORMER
IG	ISOLATED GROUND	#	NUMBER
KVA	KILOVOLT AMPHERE		
KW	KILOWATT		
LAN	LOCAL AREA NETWORK		
MCB	MAIN CIRCUIT BREAKER		
MLO	MAIN LUGS ONLY		
MM	MILLIMETERS		
NA	NOT APPLICABLE		
NEC	NATIONAL ELECTRICAL CODE		
NEMA	NATIONAL ELECTRICAL		
NTS	NOT TO SCALE		
P	POLE		
PH	PHASE		

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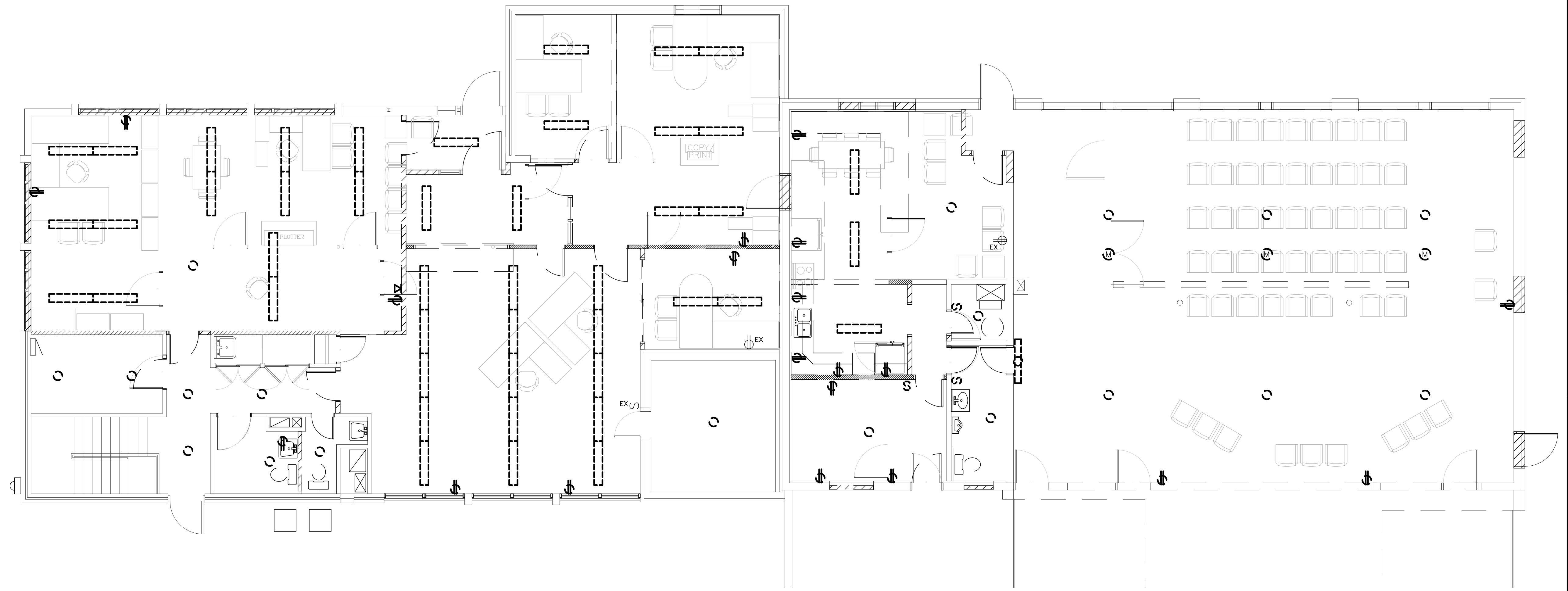
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ELEC.
REQRMNT'S

E1.0

Progress Drawings -- Not For Construction

(1) physical and (1) digital



1 - Demo Electrical Plan -



3/16" = 1'-0"

ELECTRICAL DEMOLITION NOTES:

1. WHEREVER EXISTING EQUIPMENT IS BEING REMOVED OR RELOCATED, CIRCUITS SHALL BE EXTENDED, TERMINATED, OR REROUTED AS REQUIRED TO MAINTAIN SERVICE TO EQUIPMENT AND DEVICES REMAINING.
2. ELECTRICAL DEVICES SHOWN LIGHT AND SOLID ARE EXISTING TO REMAIN. DEVICES SHOWN HEAVY AND DASHED ARE EXISTING TO BE RELOCATED OR REMOVED.
3. OUTLETS, FIXTURES, SWITCHES, OR OTHER DEVICES BEING REMOVED SHALL HAVE BLANK COVER PLATES INSTALLED WHERE IT IS NOT PROTOCOL TO REMOVE BOX.
4. 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 PROJECT MANUAL AND CONTRACT DOCUMENTS.
5. PLANS SHOW MAJOR COMPONENTS OF DEMOLITION. COMPLETELY DEMOLISH ALL ITEMS EXISTING WHICH ARE NOT REUSED IN THE NEW CONSTRUCTION WHETHER INDICATED OR NOT. THE INTENT IS TO HAVE ALL NON-USED ITEMS AND EQUIPMENT COMPLETELY REMOVED AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.

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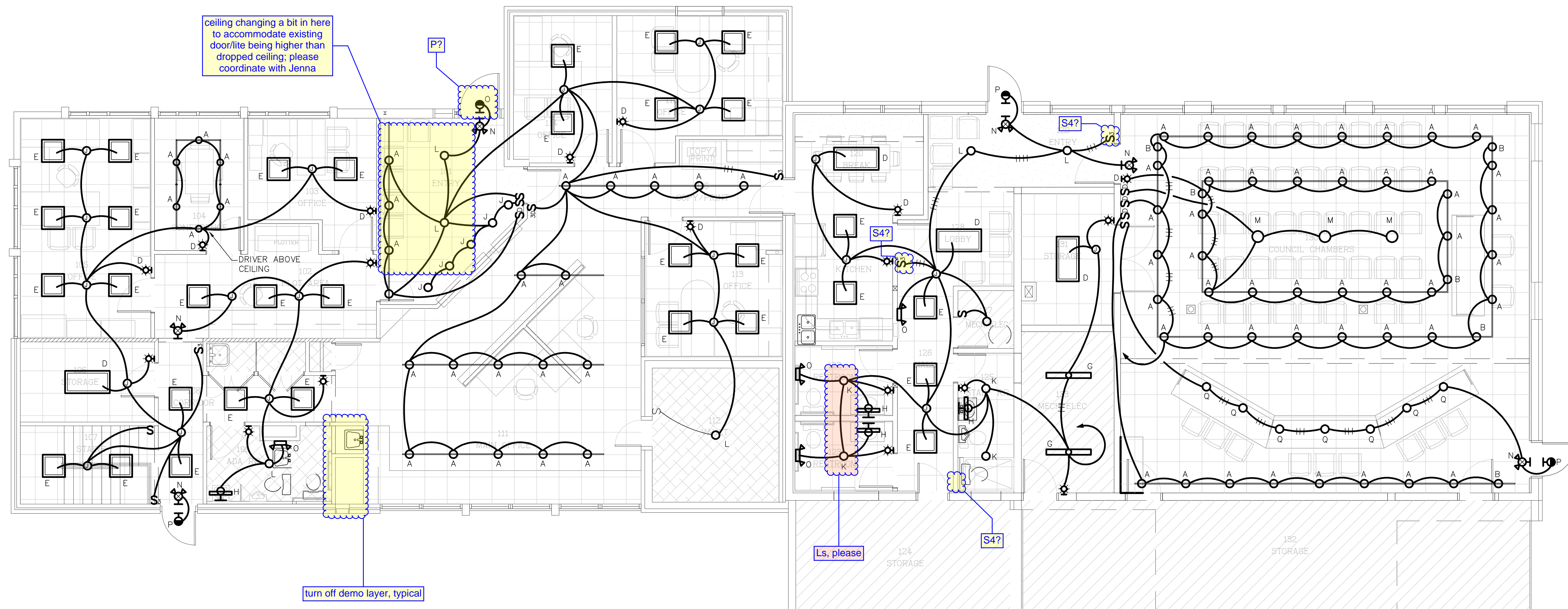
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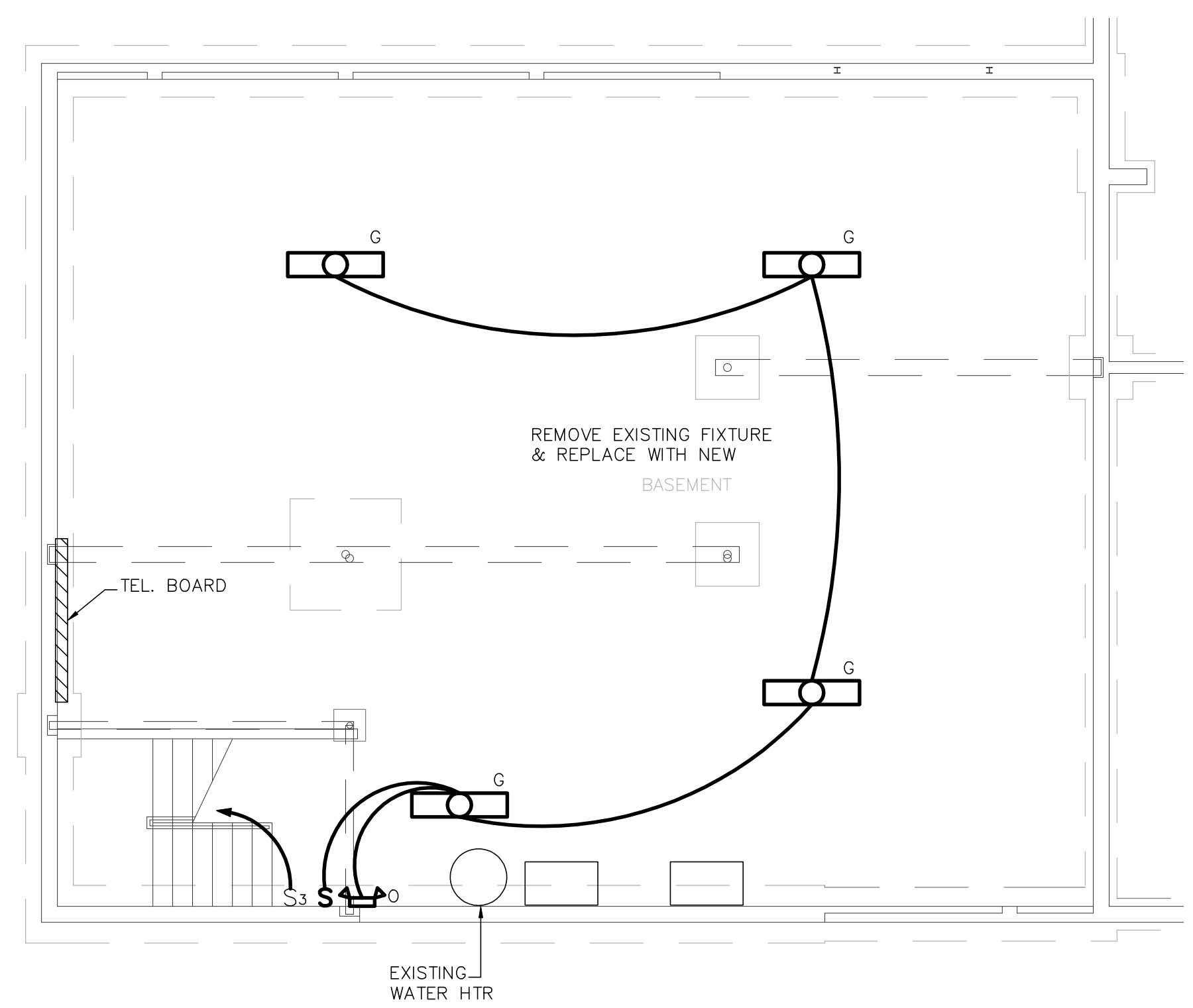
ELEC DEMO
PLAN

ED1.0



1 - Lighting Plan -
2022014

3/16" = 1'-0"



2 - Basement Elec. Plan -
2022014

3/16" = 1'-0"

LETTER DESIG.	FIXTURE				LAMP		NOTES
	MANUFACTURER	CATALOG NO.	LOCATION	TYPE	TYPE	NO.	
A	JLC TECH	TBLX MW MO 4 24U DW U W UNV	CEILING	RECESSED	21W LED	-	(1)
B	JLC TECH	TBLX MW MO 2 24U DW U W UNV	CEILING	RECESSED	10W LED	-	(1)
C	NOT USED	-	-	-	-	-	-
D	LSI	SFP24LED50UEDIM35	CEILING	RECESSED	50W LED	-	-
E	LSI	SFP22LED30UEDIM35	CEILING	RECESSED	30W LED	-	-
F	NOT USED	-	-	-	-	-	-
G	LSI	SDL4LED40FLUNV40 80 CRI	CEILING	SURFACE	30W LED	-	-
H	MAXIM	26370CLNAB	WALL	SURFACE	12W LED	-	(2)
I	NOT USED	-	-	-	-	-	-
J	NORA	NLOS-S42-35-WW	CEILING	SURFACE	11W LED	-	-
K	NORA	NLOS-R72-35-WW	CEILING	SURFACE	14W LED	-	-
L	MAXIM	26129CLBZAB	CEILING	SURFACE	(5)	1	-
M	REJUVENTION	6685912	CEILING	SUSPENDED	(3)	3	-
N	MULE	SQC-LED-1-R-WW	WALL	SURFACE	LED	-	-
O	MULE	SQ-LED	WALL	SURFACE	LED	-	-
P	LSI	GSR4FTUNV40K7BRZPCIUNV BB	WALL	SURFACE	33W LED	-	-
Q	MAXIM	100850IAB	CEILING	SUSPENDED	(4)	-	-

- (1) COORDINATE FIXTURE MOUNTING WITH T-BAR CEILING INSTALLER.
- (2) MOUNT 4" ABOVE TOP OF MIRROR. CENTER ON MIRROR.
- (3) PROVIDE A DIMMABLE 100W EQUIVALENT LED TYPE 'A' LAMP.
- (4) PROVIDE A 60W EQUIVALENT LED TYPE 'A' LAMP.
- (5) PROVIDE A 60W EQUIVALENT CLEAR LED TYPE A LAMP.

Progress Drawings -- Not For Construction

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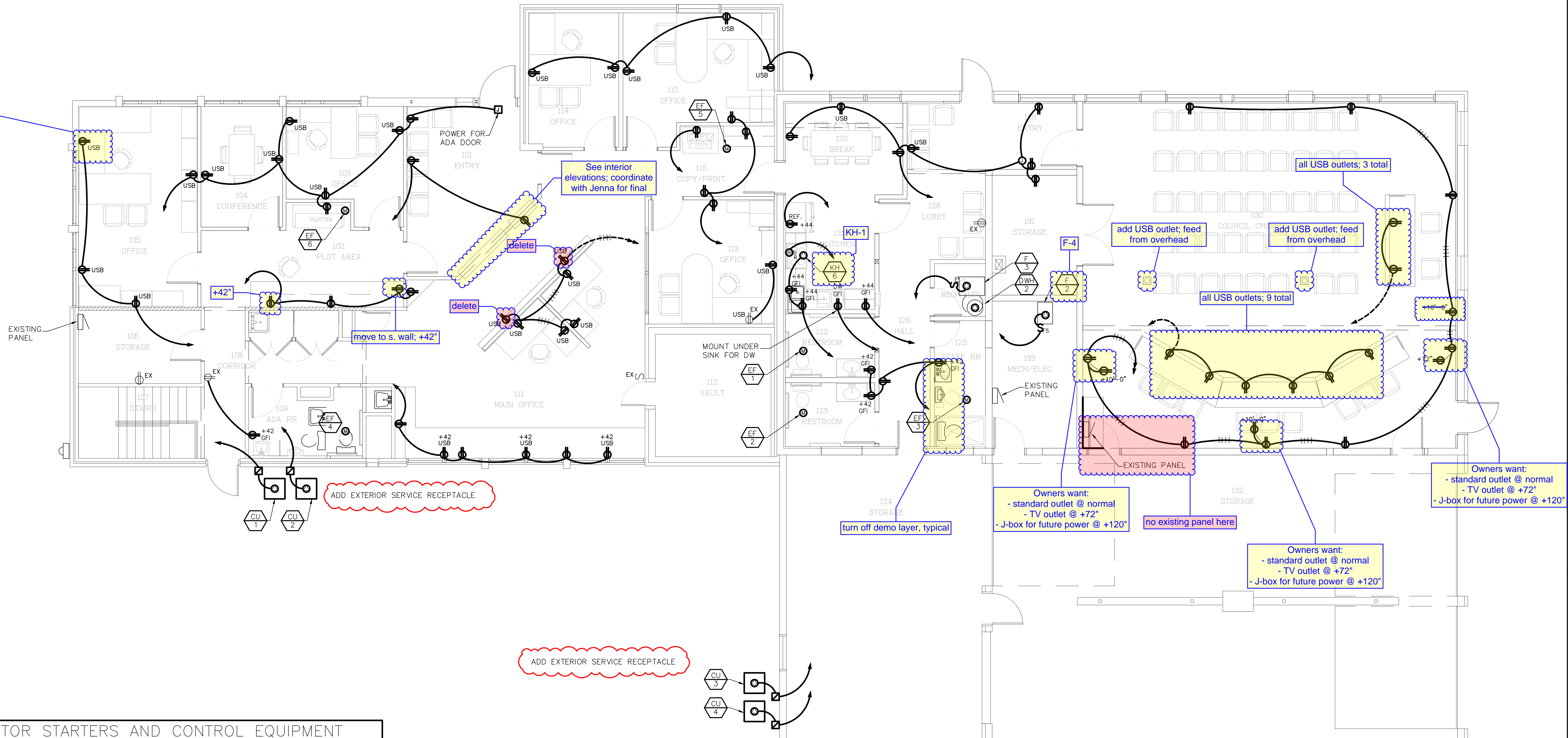
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LIGHTING PLAN

E1.1

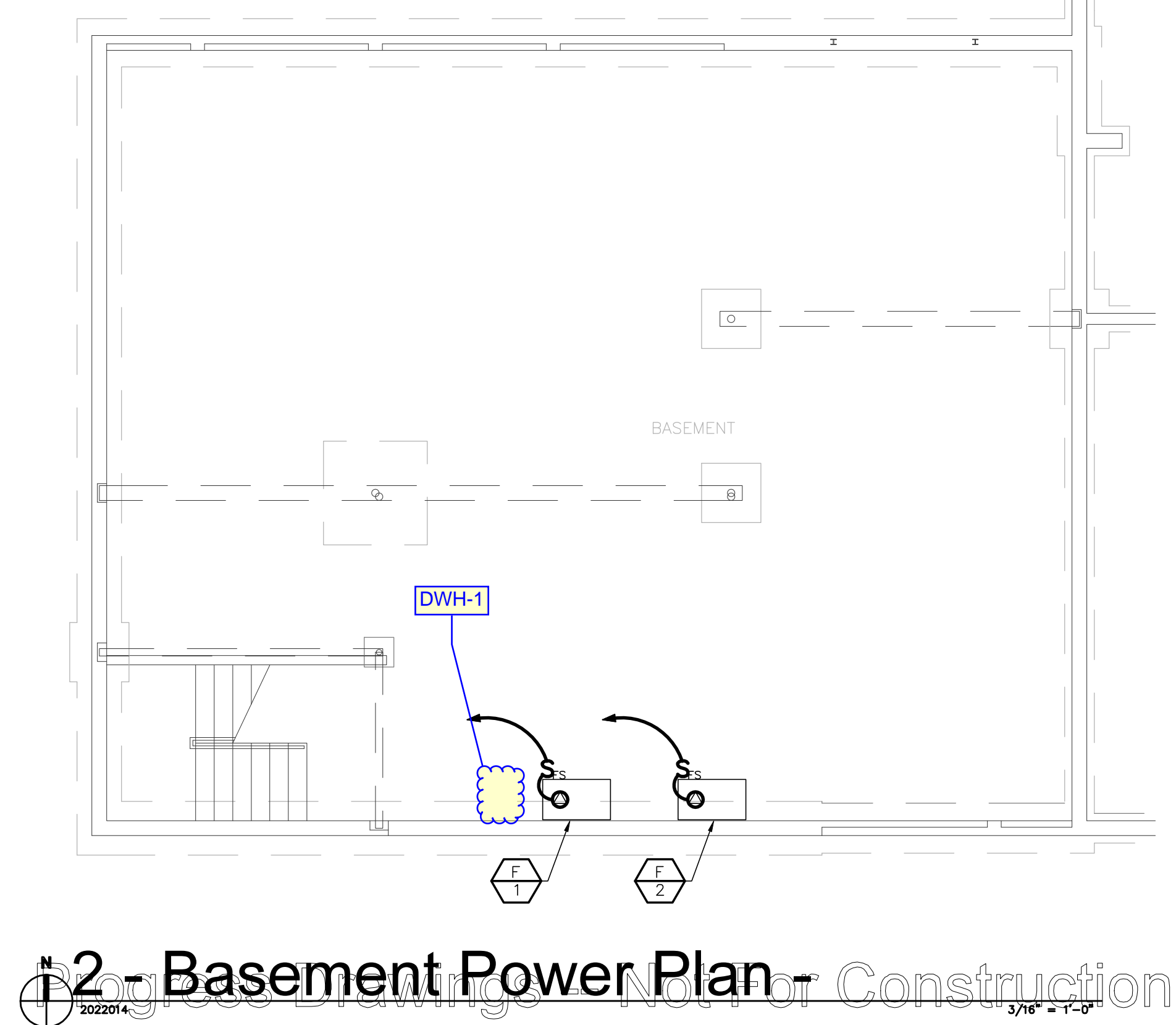
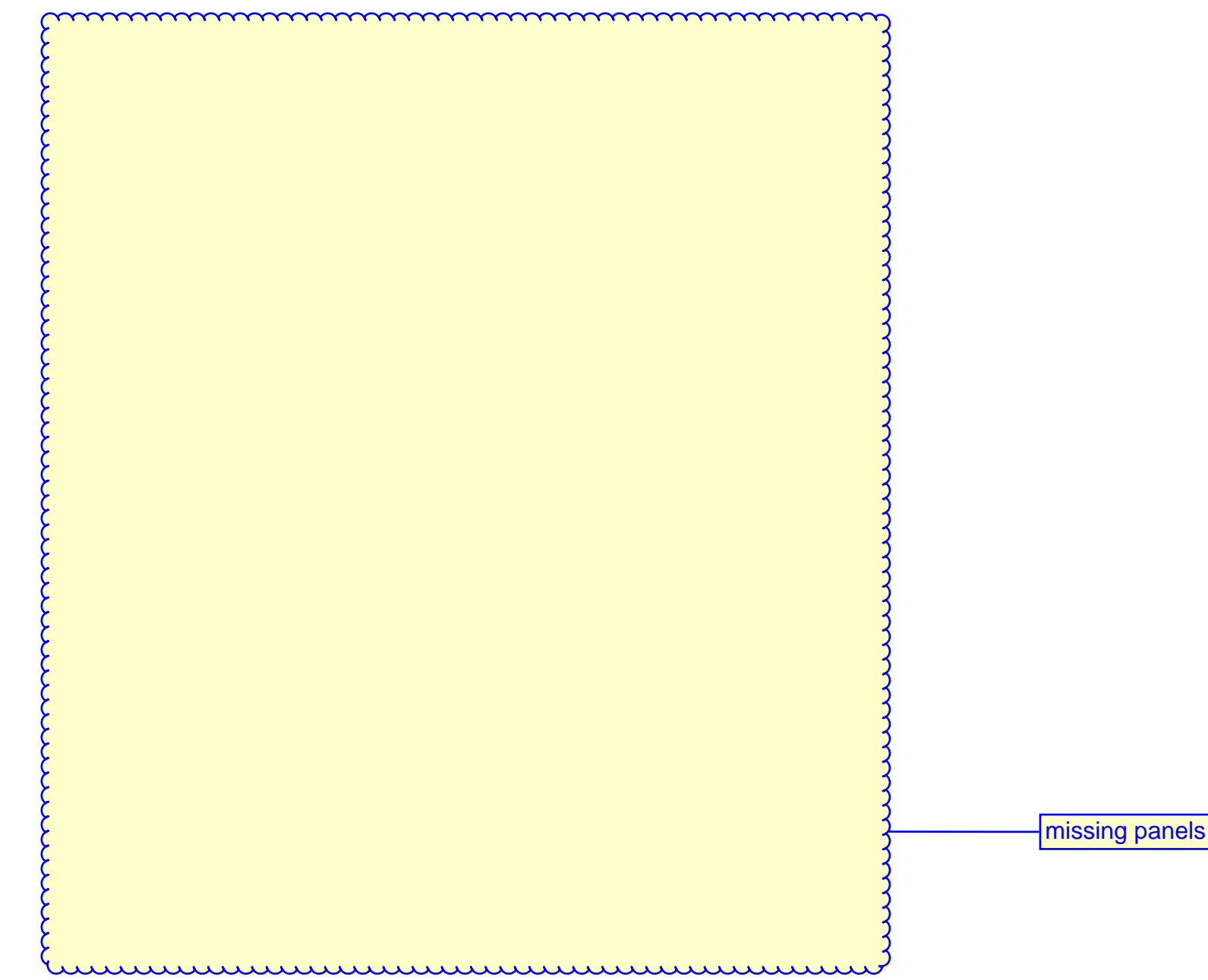
USB outlets to have:
 (1) USB-A
 (1) USB-C



SCHEDULE OF MOTOR STARTERS AND CONTROL EQUIPMENT											
UNIT	MOTOR			STARTER				O.L. HTRS	DEVICES		NOTES
	LOAD	PH	VOLTS	MFR.	CATALOG NO.	SIZE	POLES		SWT	PILOT	
EF-1	50 W	1	120	-	-	-	-	-	-	-	1
EF-2	50 W	1	120	-	-	-	-	-	-	-	1
EF-3	50 W	1	120	-	-	-	-	-	-	-	1
EF-4	50 W	1	120	-	-	-	-	-	-	-	1
EF-5	50 W	1	120	-	-	-	-	-	-	-	1
EF-6	50 W	1	120	-	-	-	-	-	-	-	1
F-1	8.7 FLA	1	120	-	-	-	-	-	-	-	2
F-2	8.7 FLA	1	120	-	-	-	-	-	-	-	2
F-3	8.7 FLA	1	120	-	-	-	-	-	-	-	2
F-4	11.7 FLA	1	120	-	-	-	-	-	-	-	2
CU-1	21.4 MCA	1	208	-	-	-	-	-	-	-	3
CU-2	21.4 MCA	1	208	-	-	-	-	-	-	-	3
CU-3	11.8 MCA	1	208	-	-	-	-	-	-	-	3
CU-4	31.4 MCA	1	208	-	-	-	-	-	-	-	4
DWH-1	4.5 KW	1	208	-	-	-	-	-	-	-	5
DWH-2	4.5 KW	1	208	-	-	-	-	-	-	-	5
KH-1	168 W	1	120	-	-	-	-	-	-	-	-

- 1 CIRCUIT AND CONTROL WITH ROOM LIGHTS.
- 2 PROVIDE A SWITCH WITH FUSE STAT ADJACENT TO UNIT. FUSE PER EQUIPMENT NAMEPLATE.
- 3 PROVIDE A 30A-2P RAIN TIGHT SERVICE DISCONNECT ADJACENT TO UNIT. FUSE PER EQUIPMENT NAMEPLATE.
- 4 PROVIDE A 60A-2P RAIN TIGHT SERVICE DISCONNECT ADJACENT TO UNIT. FUSE PER EQUIPMENT NAMEPLATE.
- 5 PROVIDE A 30A-2P RAIN TIGHT SERVICE DISCONNECT ADJACENT TO UNIT. FUSE PER EQUIPMENT NAMEPLATE.
- 6 CONTROL FACTORY INSTALLED ON HOOD

1 - Power Plan -
 3/16" = 1'-0"



2 - Basement Power Plan -
 3/16" = 1'-0"

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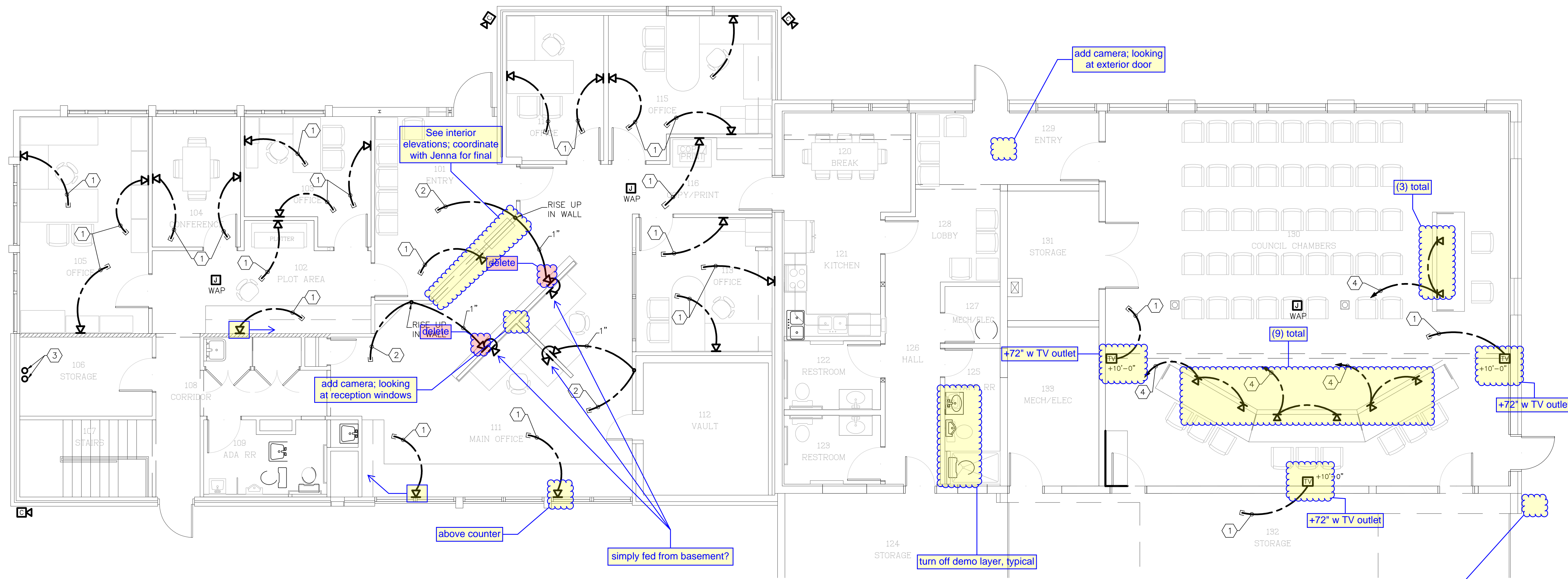
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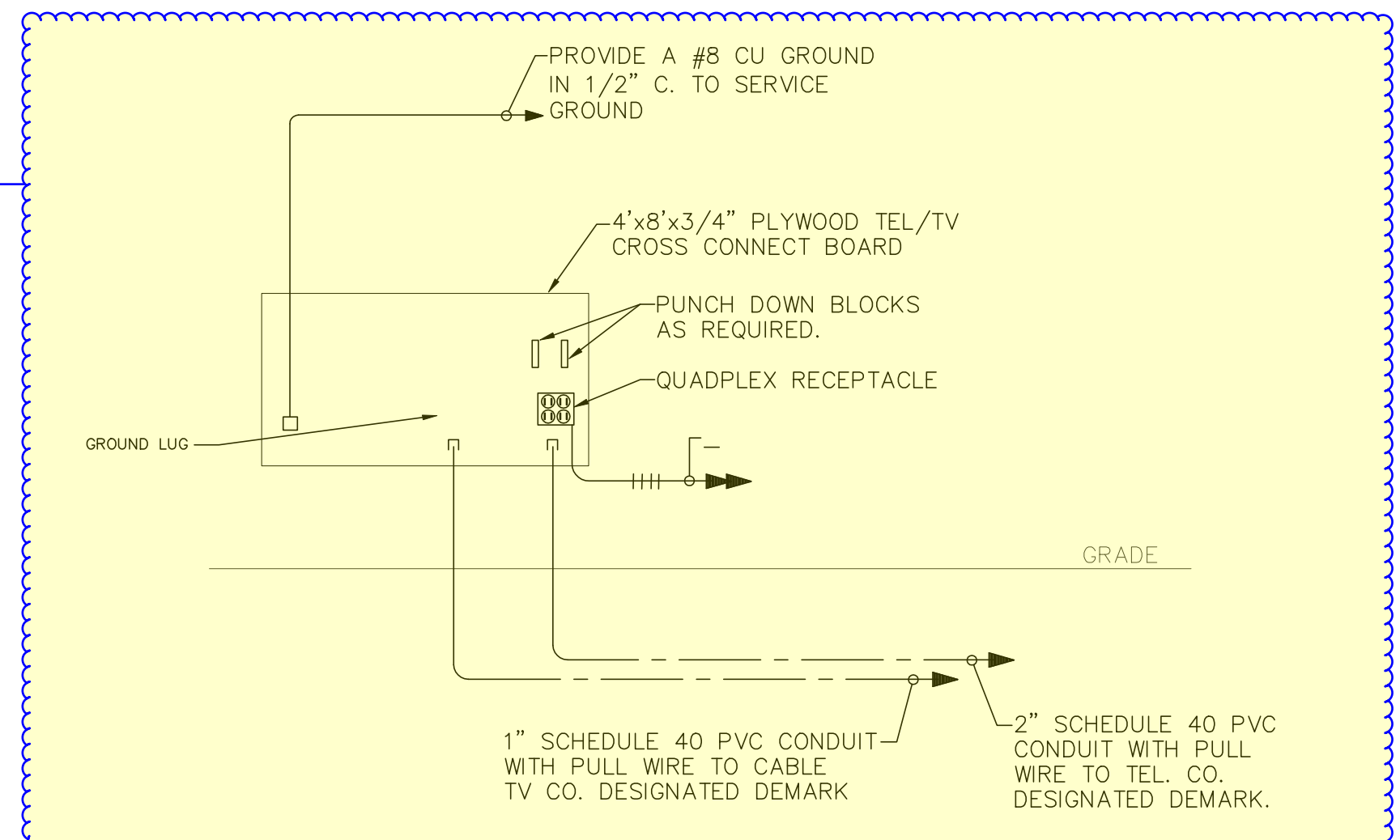
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POWER PLAN
 E2.0



1 - Low Voltage Plan -
 3/16" = 1'-0"

- SPECIFIC NOTES THIS SHEET:
- 1 STUB A 3/4" C. ABOVE LAY-IN CEILING.
 - 2 STUB A 1" ABOVE LAY-IN CEILING.
 - 3 PROVIDE TWO 3" SCHEDULE 40 PVC CONDUITS FROM ABOVE LAY-IN CEILING DOWN TO TEL. BOARD IN BASEMENT.
 - 4 PROVIDE A 1" C. WITH FOUR, 4-PAIR CAT 6 CABLES UNDER FLOOR TO TEL. BOARD.



2 - TELEPHONE/CABLE TV RISER



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POWER PLAN

E2.1