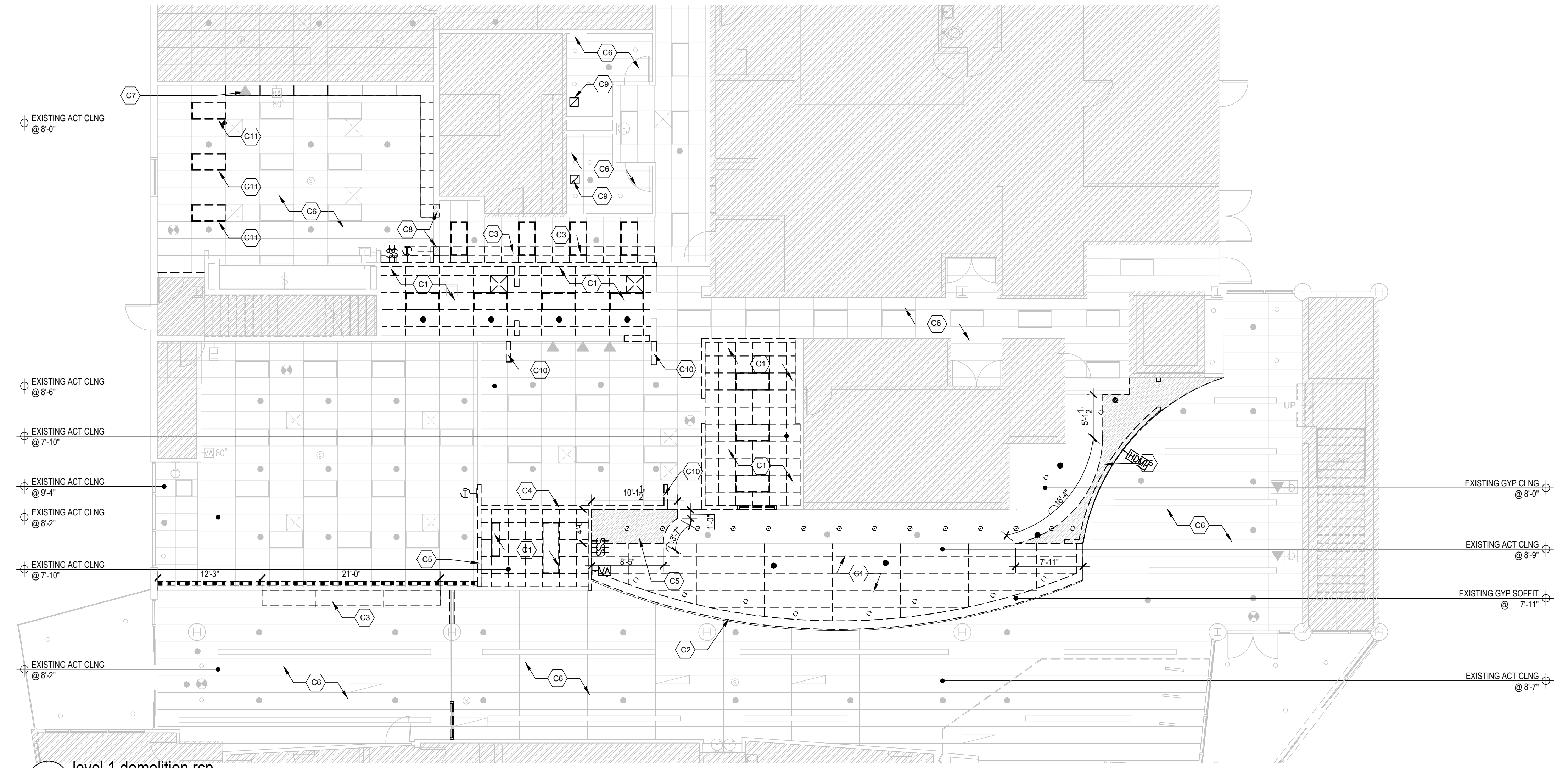
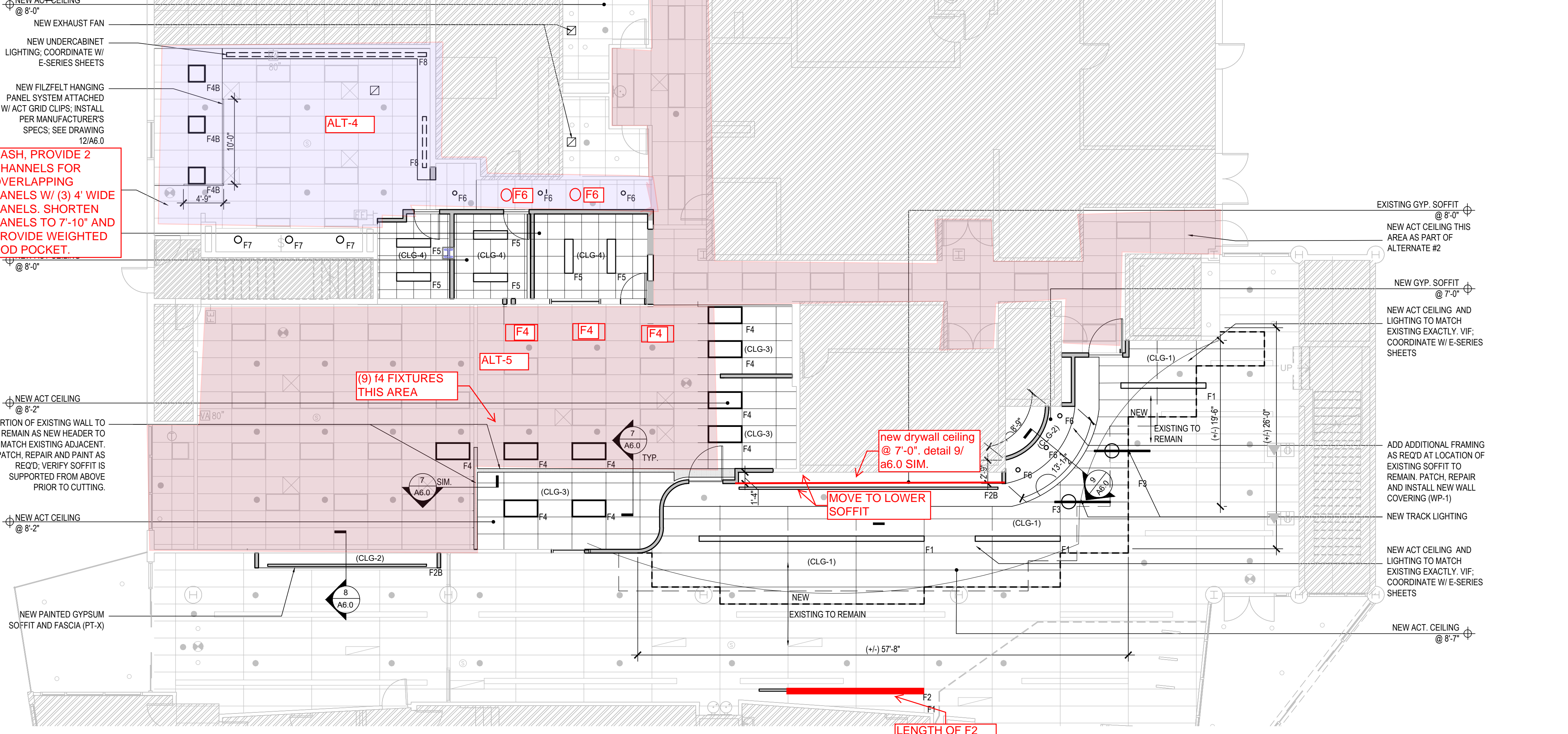


- DEMOLITION NOTES**
CEILING PLAN DEMOLITION NOTES:
- C1. DEMOLISH EXISTING CEILING IN ITS ENTIRETY, INCLUDING EXISTING ACOUSTICAL CEILING TILE, LIGHTS, DIFFUSERS, FIRE PROTECTION DEVICES, ELECTRICAL DEVICES, RECONFIGURE SPRINKLER PIPING, DUCTWORK, AND ELECTRICAL DEVICES AS REQUIRED FOR NEW LAYOUT.
 - C2. DEMOLISH EXISTING GYPSUM CEILING / SOFFIT, INCLUDING ALL FRAMING, LIGHT FIXTURES, HVAC, AND FIRE PROTECTION. RECONFIGURE FIRE PROTECTION AS REQUIRED. COORDINATE WITH MEPP SHEETS.
 - C3. PARTIAL DEMOLITION OF CEILING TILES FOR CONSTRUCTION OF NEW WALLS; NEW SOFFITS; DEMOLISH ANY ASSOCIATED LIGHTING. REPLACE, PATCH AND REPAIR CEILING TILE AND GRID AS REQUIRED AFTER CONSTRUCTION OF NEW WALLS. COORDINATE WITH NEW PLAN AND NEW RCP.
 - C4. PARTIAL DEMOLITION OF EXISTING WALL 4" BELOW CEILING TO REMAIN AS SOFFIT TO ALIGN WITH EXISTING ADJACENT. REPAIR/CAP BOTTOM OF SOFFIT AND PREPARE FOR NEW PAINT. DEMOLISH ANY ASSOCIATED MILLWORK, DOORS, DOOR/WINDOW FRAMES AND GLAZING. VERIFY SOFFIT IS SUPPORTED FROM ABOVE PRIOR TO CUTTING IT. COORDINATE W/ NEW RCP.
 - C5. PARTIAL DEMOLITION EXISTING GYPSUM CEILING, INCLUDING ANY ASSOCIATED LIGHTS, DIFFUSERS, FIRE PROTECTION DEVICES, AND ELECTRICAL DEVICES. COORDINATE W/ NEW PLAN AND RCP.
 - C6. EXISTING CEILING TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. ALL EXISTING LIGHTING, DIFFUSERS, FIRE PROTECTION DEVICES, AND ELECTRICAL DEVICES TO REMAIN UNLESS NOTED OTHERWISE.
 - C7. PARTIAL DEMOLITION OF EXISTING ACOUSTICAL CEILING TILE AT LOCATION OF NEW MILLWORK. COORDINATE W/ NEW PLAN AND MILLWORK SHEETS.
 - C8. PARTIAL DEMOLITION OF GYPSUM SOFFIT FOR CONSTRUCTION OF NEW WALLS/ NEW SOFFITS. REPLACE, PATCH AND REPAIR CEILING TILE AND GRID AS REQUIRED AFTER CONSTRUCTION OF NEW WALLS. COORDINATE WITH NEW PLAN AND NEW RCP.
 - C9. DEMOLISH EXISTING CEILING FAN. COORDINATE W/ NEW RCP AND M-SERIES SHEETS FOR LOCATION OF NEW CEILING EXHAUST.
 - C10. PATCH AND REPAIR GRID AND ACOUSTICAL CEILING TILE AFTER DEMOLITION OF EXISTING WALLS AND MILLWORK.
 - C11. DEMOLISH EXISTING LIGHT FIXTURE, REPAIR GRID AND CEILING TILE AS REQ'D TO MATCH EXISTING



1 level 1 demolition rcp
scale: 1/8"=1'-0"



2 level 1 new rcp
scale: 1/8"=1'-0"

- CEILING TYPES:**
- CLG-1: 2'X8' ACOUSTICAL CEILING TILES AND GRID TO MATCH EXISTING EXACTLY. VERIFY IN FIELD PRIOR TO ORDERING; USG - HALCYON CLIMAPLUS PLANKS NO. 99269 - WHITE - 0.95 NRC - REVEAL TO MATCH EXISTING
 - CLG-2: 1/2" GYP BOARD CEILING AND / OR SOFFIT
 - CLG-3: 2'X4' ACOUSTICAL CEILING TILES AND GRID TO MATCH EXISTING EXACTLY. VERIFY IN FIELD PRIOR TO ORDERING.
 - CLG-4: 2'X2' USG MARS HIGH NRC ACOUSTICAL CEILING TILES - SLT-88135-0.85-35-0.90-WHITE W/ NEW GRID
- ALTERNATE LIST:**
- ALT-4** PROVIDE NEW CEILING TILE AND GRID IN EXISTING STAFF LOUNGE AREA. (CLG-4)
 - ALT-5** PROVIDE NEW CEILING TILE AND GRID IN EXISTING STAFF CORRIDOR AREA. (CLG-4)

15/16" GRID, TILE W/ TEGULAR EDGE

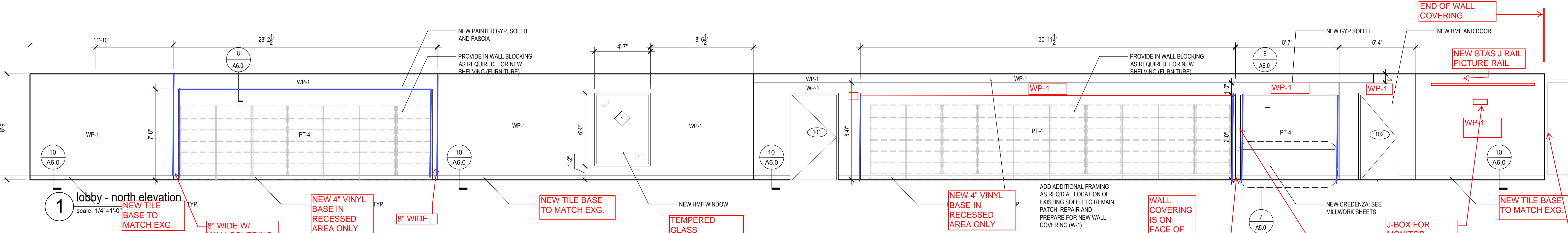
DASH, PROVIDE 2 CHANNELS FOR OVERLAPPING PANELS W/ (3) 4" WIDE PANELS. SHORTEN PANELS TO 7'-10" AND PROVIDE WEIGHTED ROD POCKET.

new drywall ceiling @ 7'-0" detail 9/a6.0 SIM.

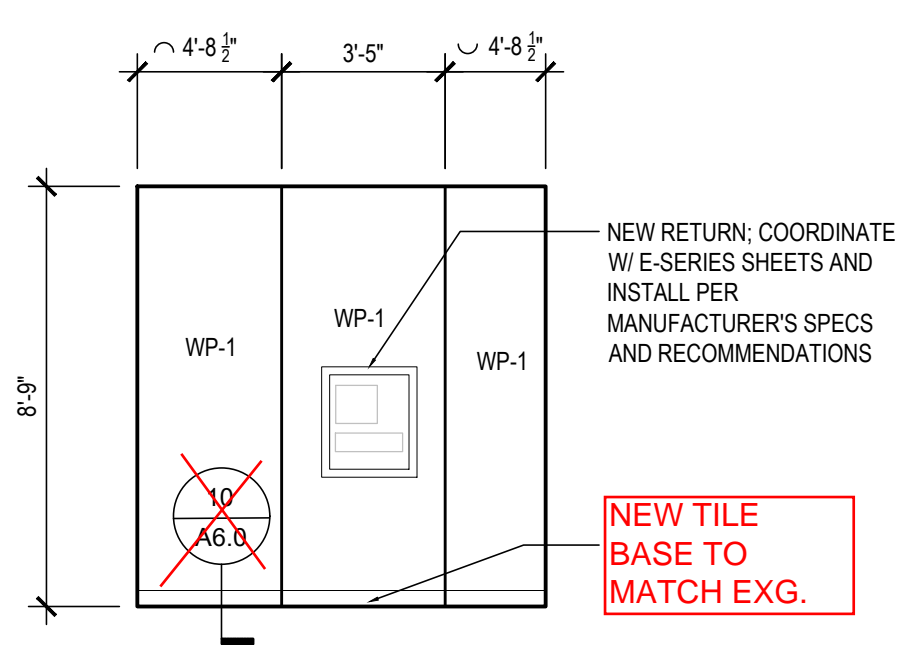
MOVE TO LOWER SOFFIT

LENGTH OF F2

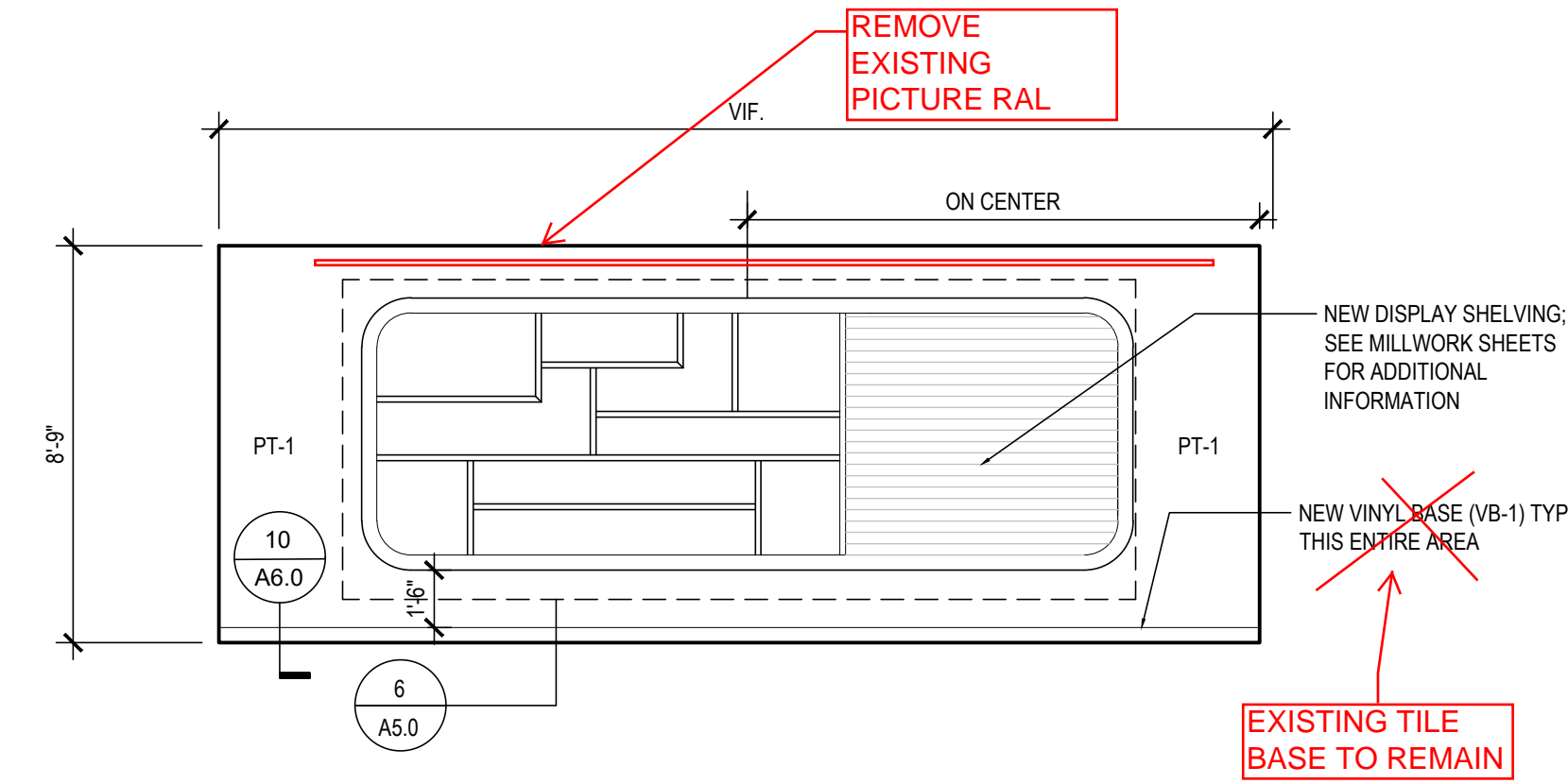
(9) 14 FIXTURES THIS AREA



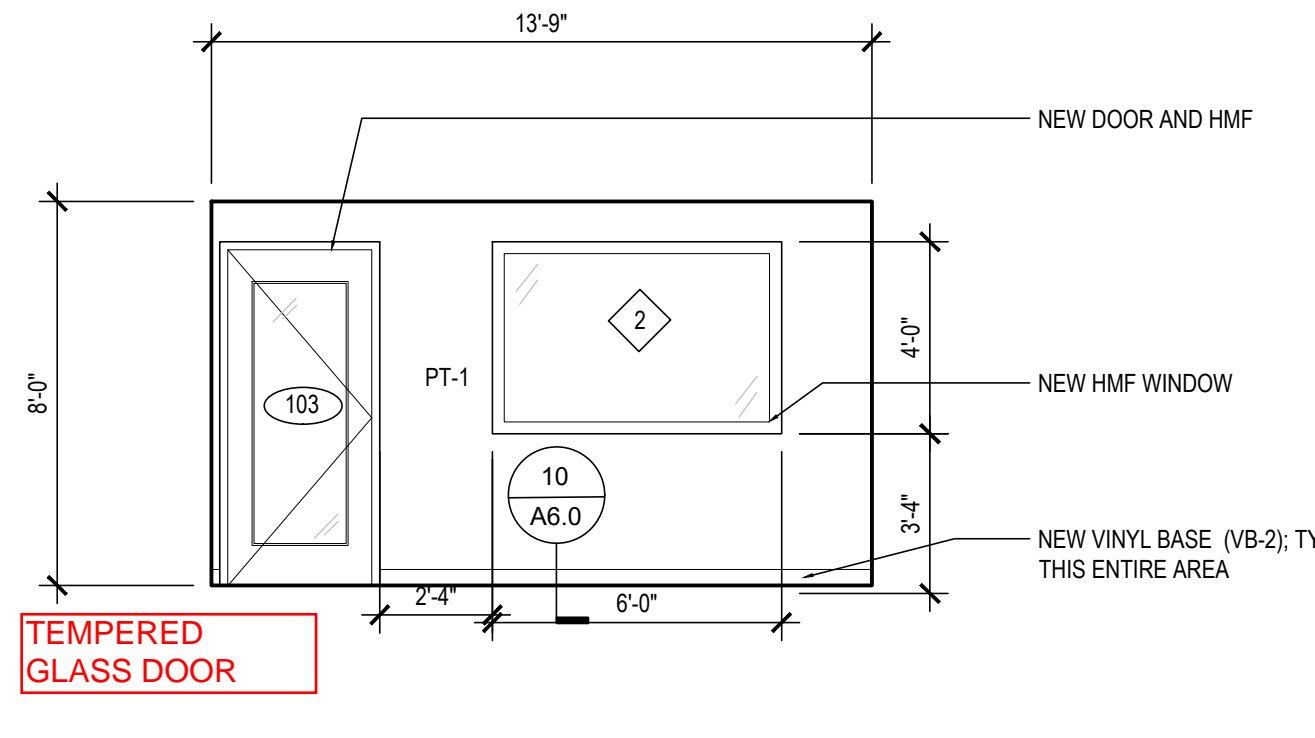
1 lobby - north elevation
scale: 1/4"=1'-0"



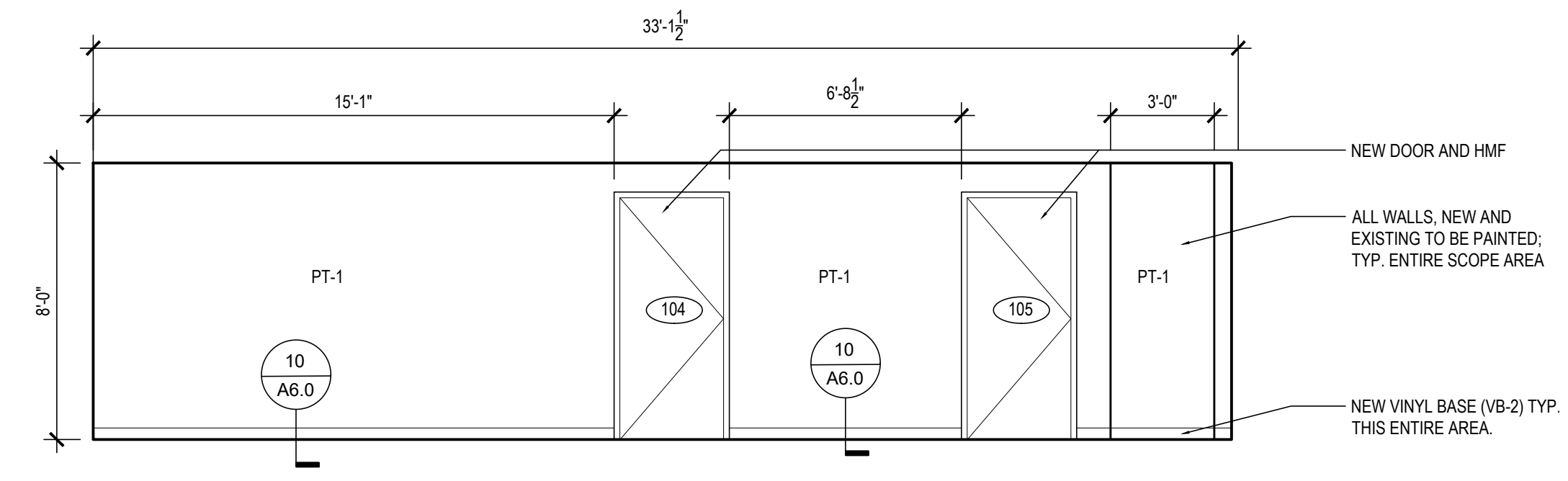
2 lobby - book return west elevation
scale: 1/4"=1'-0"



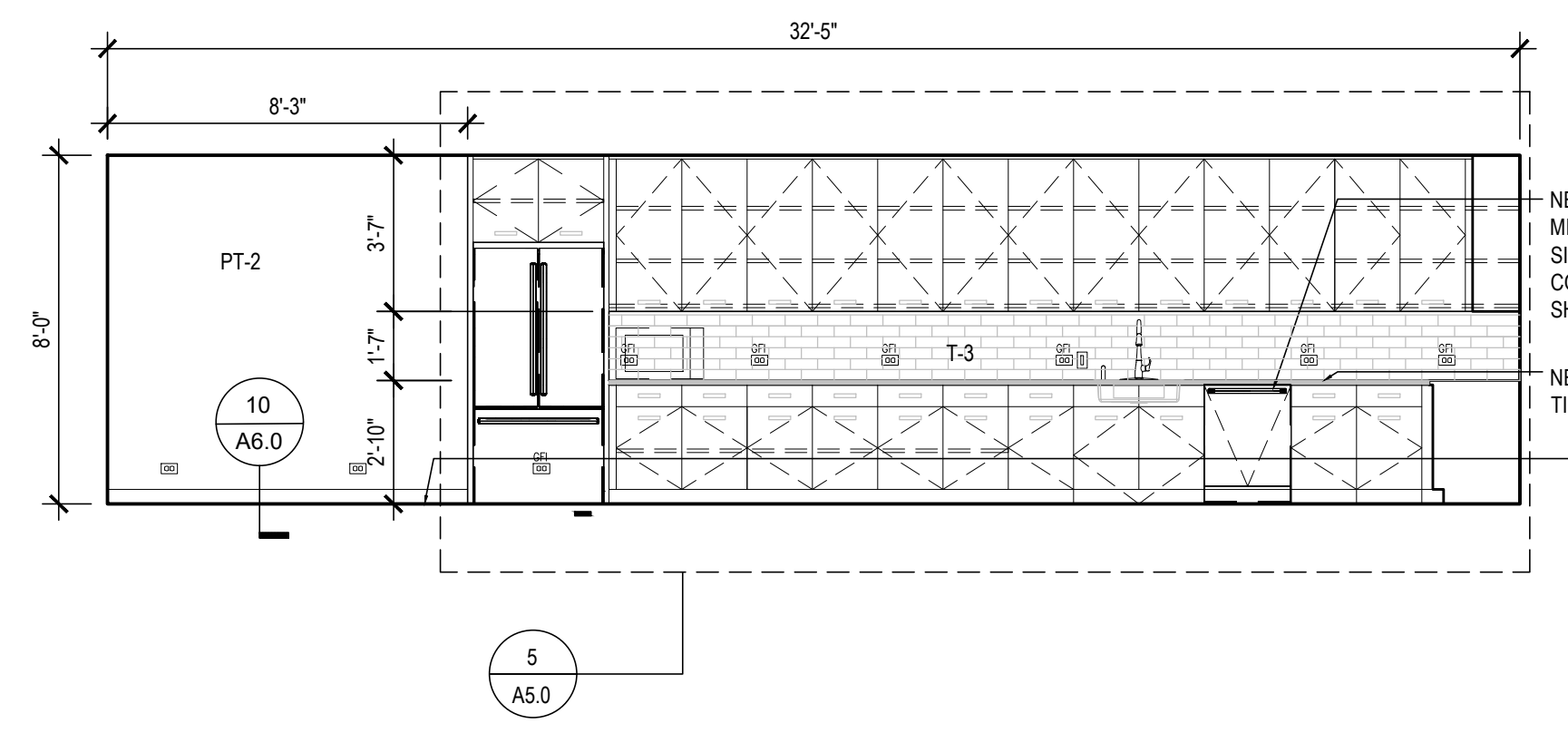
3 lobby new display - south elevation
scale: 1/4"=1'-0"



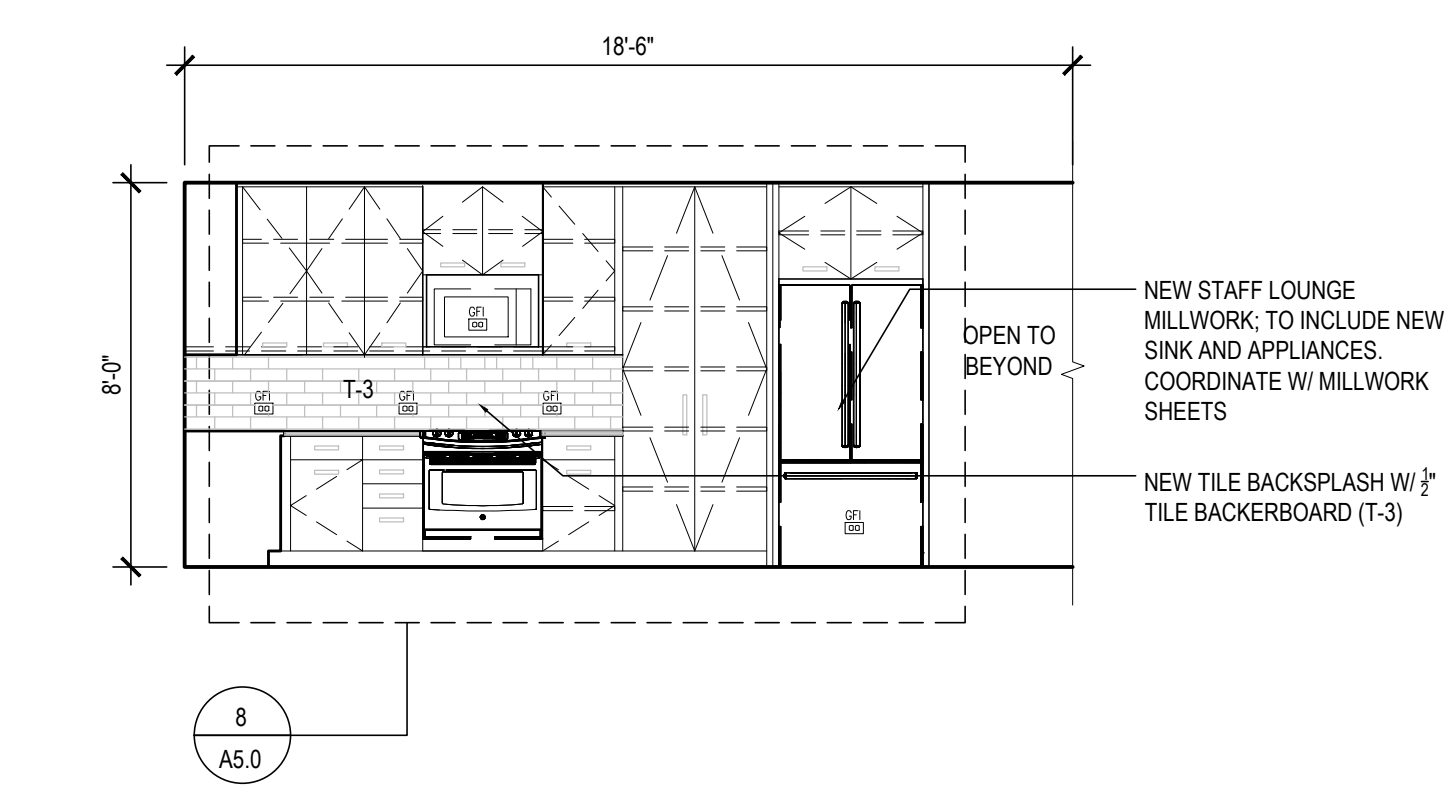
4 circ. manager - south elevation
scale: 1/4"=1'-0"



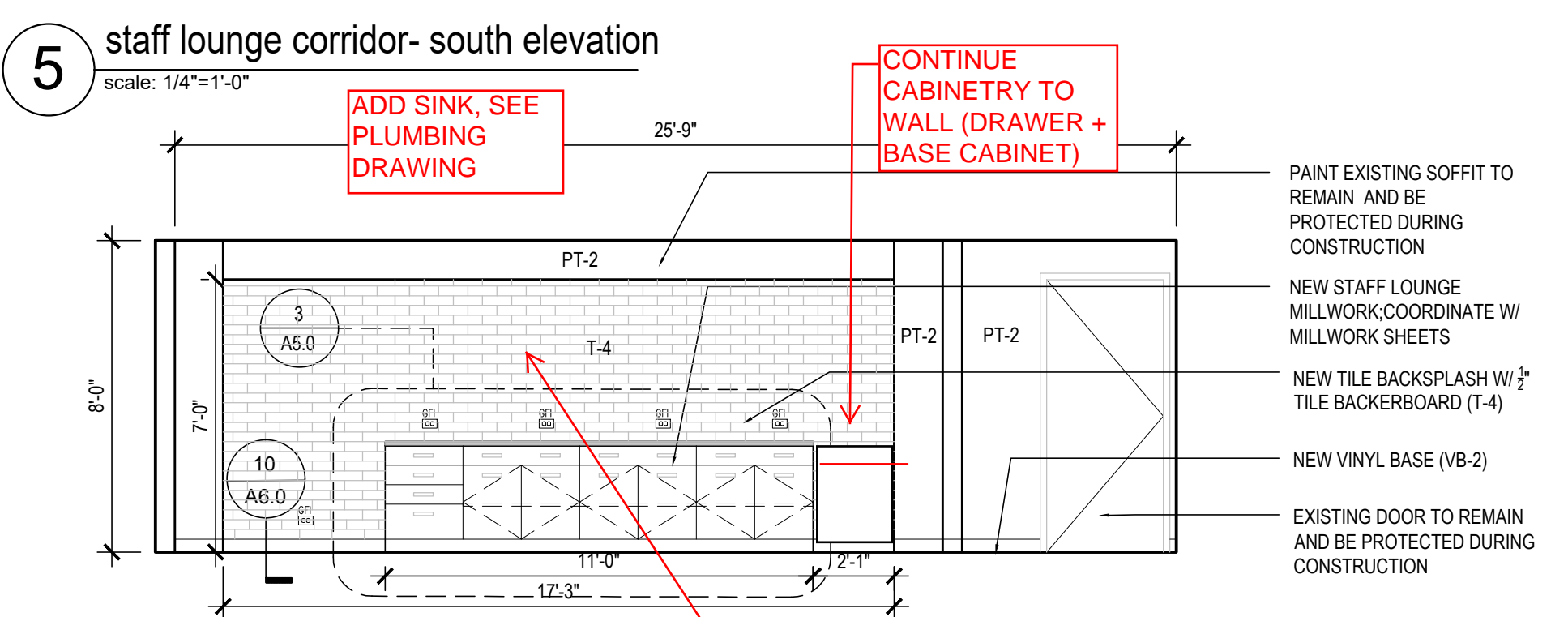
5 staff lounge corridor- south elevation
scale: 1/4"=1'-0"



6 staff lounge- north elevation
scale: 1/4"=1'-0"



7 staff lounge- east elevation
scale: 1/4"=1'-0"



8 staff lounge - south elevation
scale: 1/4"=1'-0"

Provide safety glazing at window 1, per IBC 2406.4.3. Also, indicate provision of safety glazing at all glass lites in new doors.

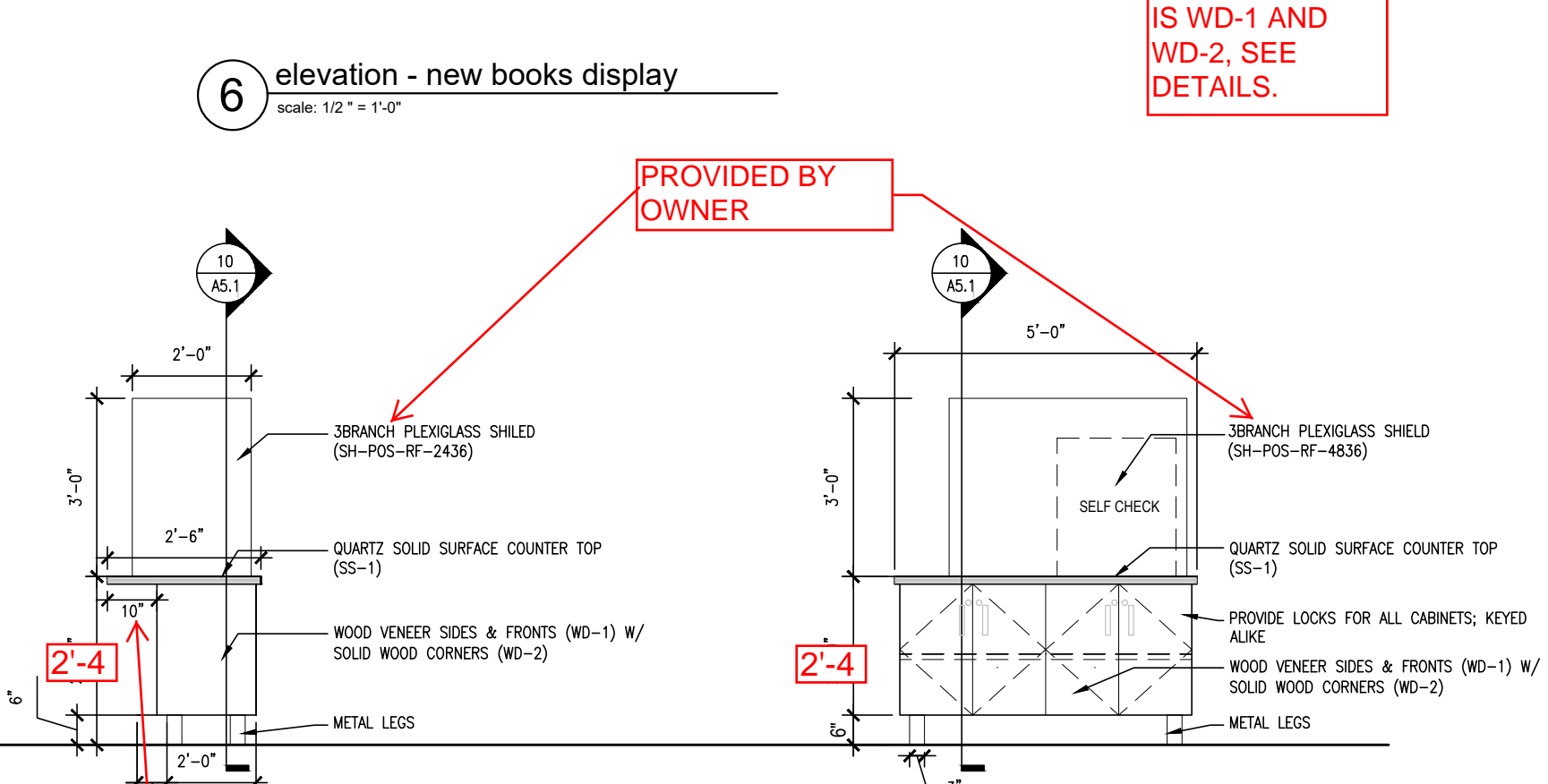
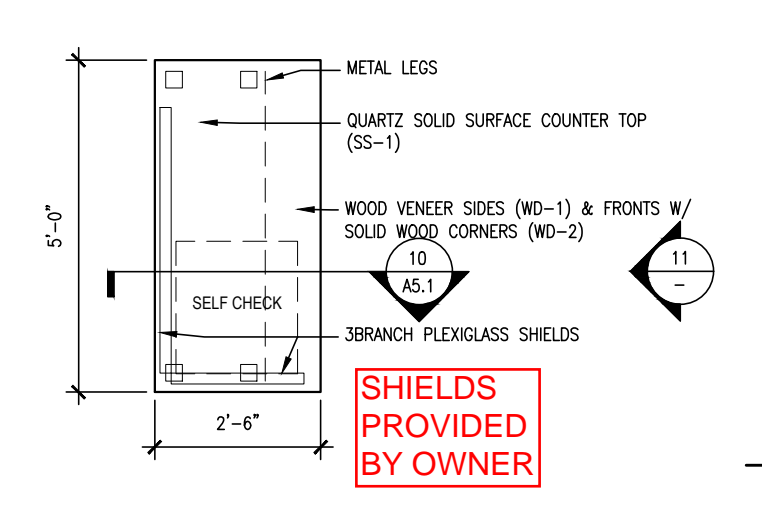
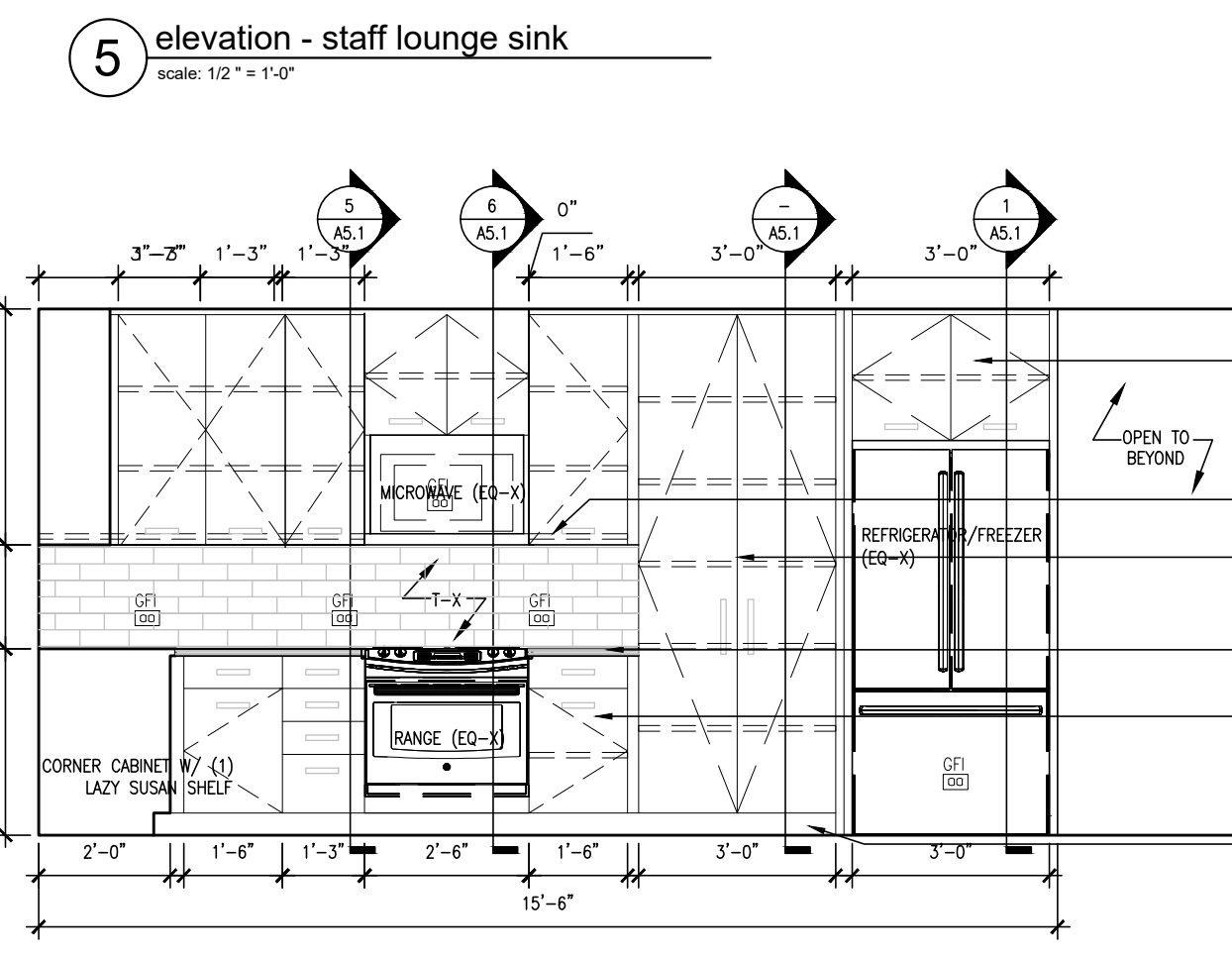
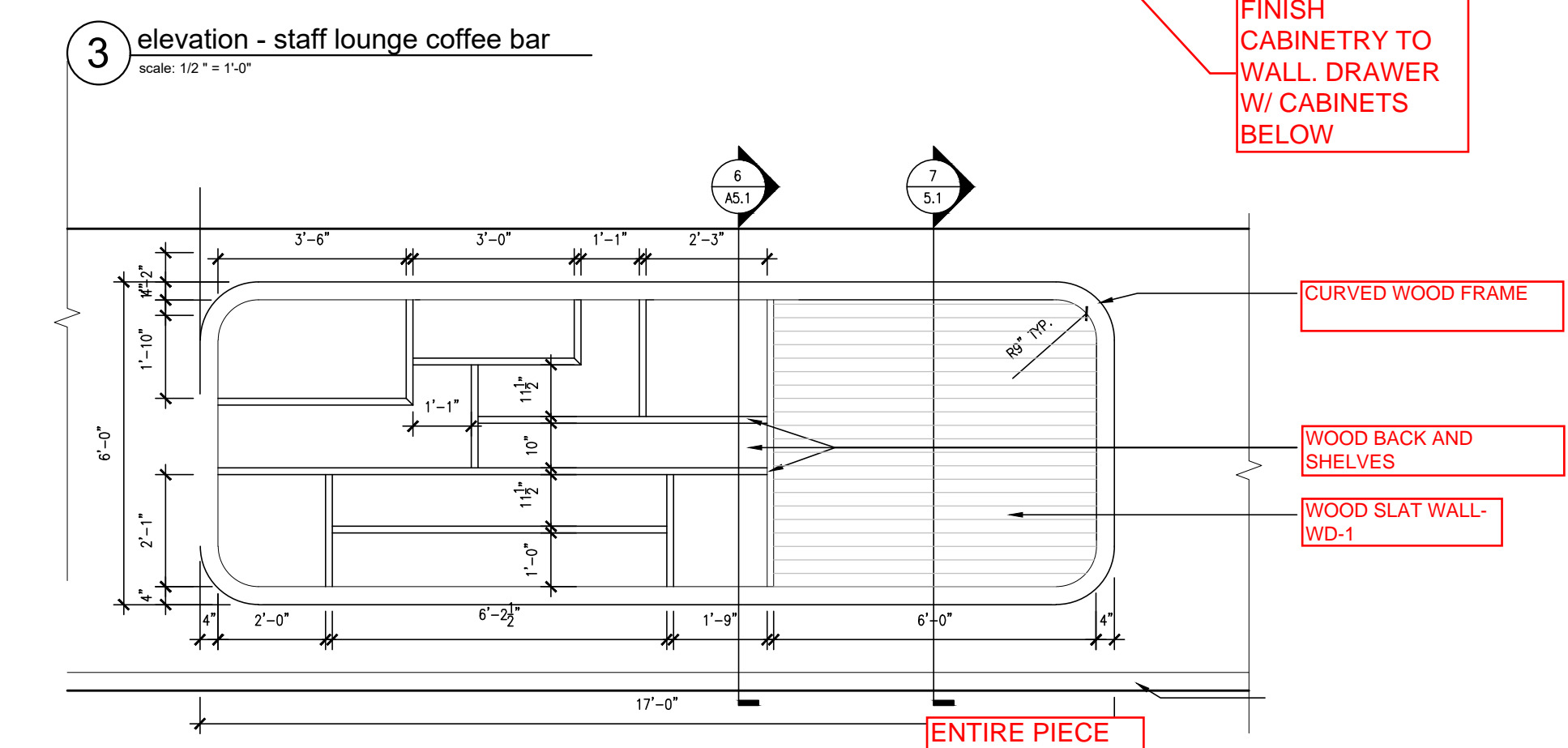
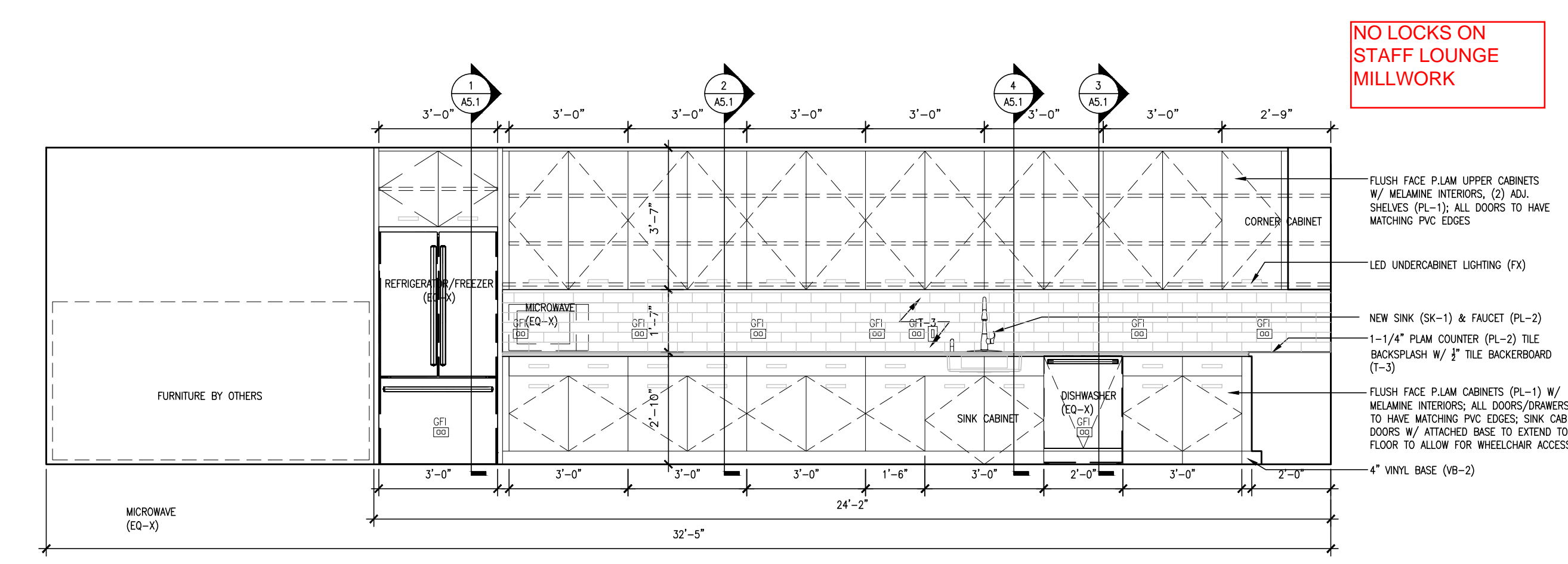
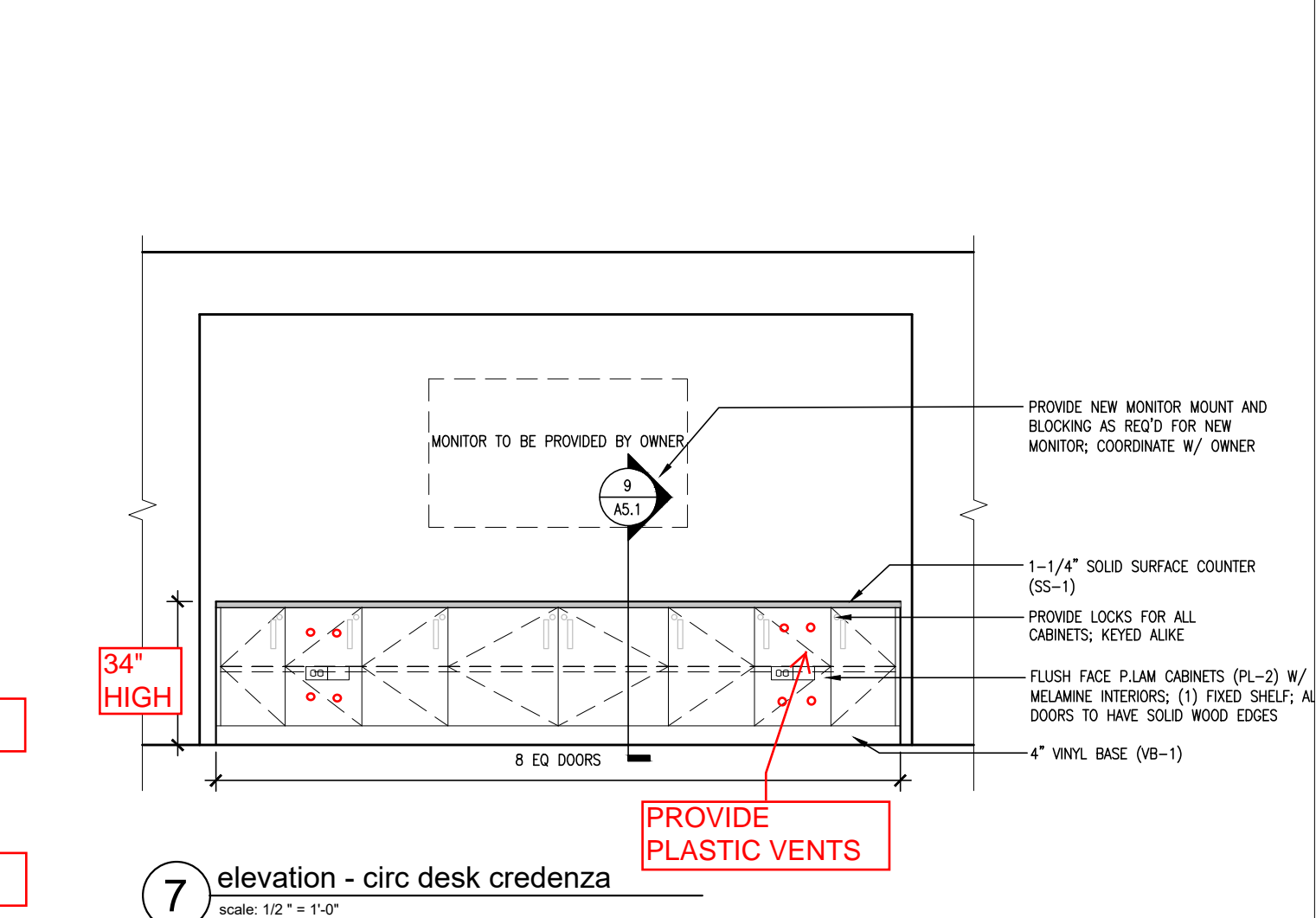
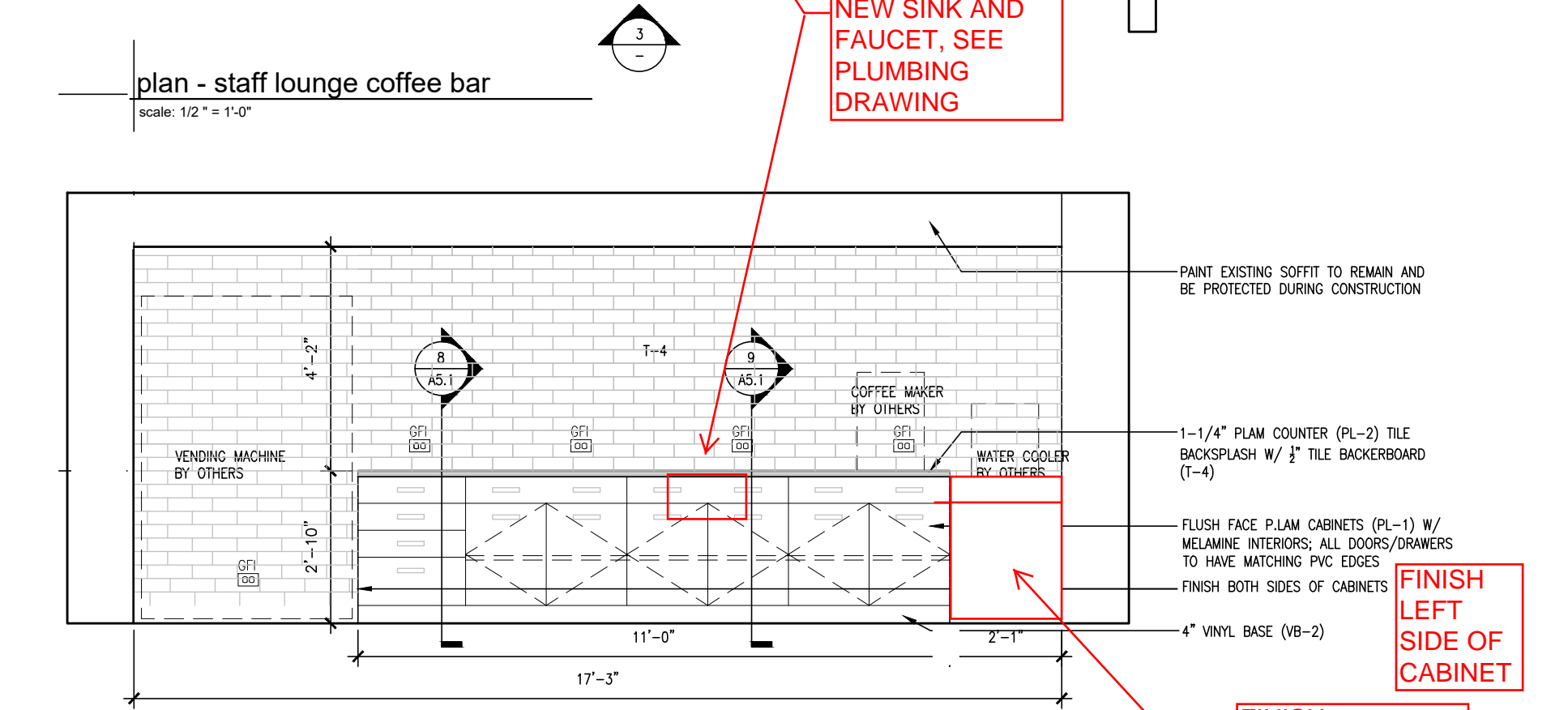
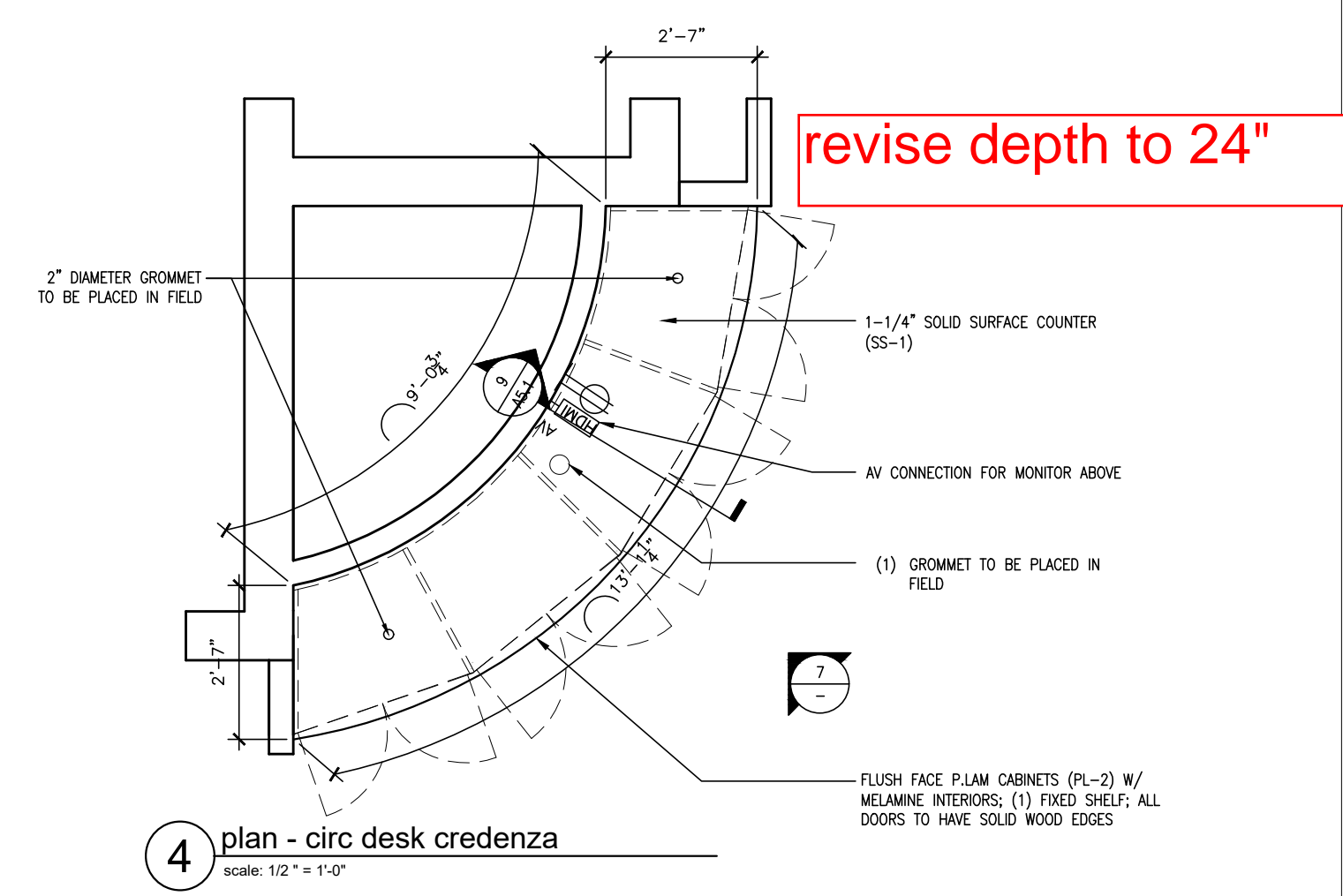
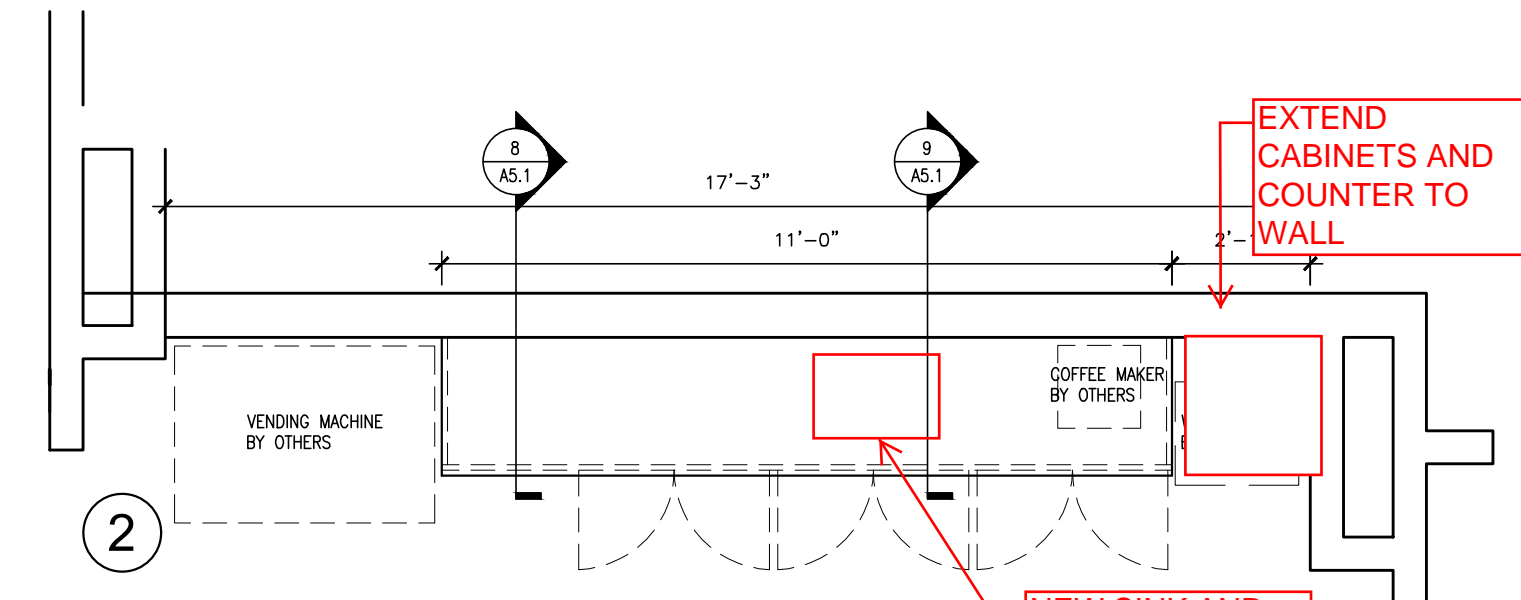
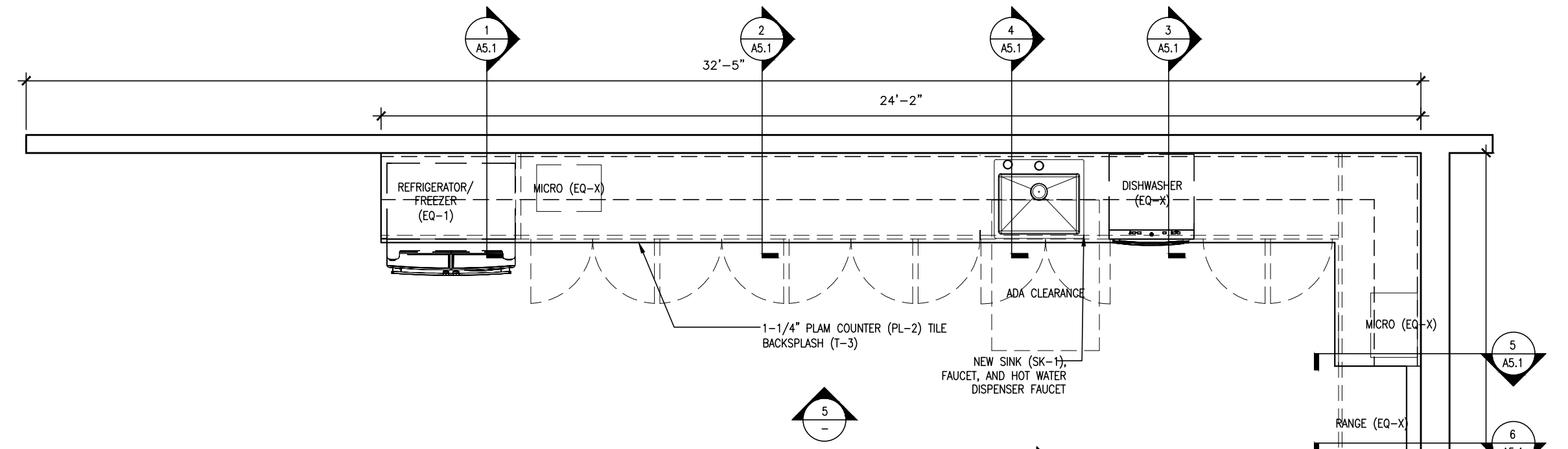
Revision	Date

drawing:
interior elevations

project:
Northbrook Public Library
1201 Cedar Ln,
Northbrook, IL 60062

project number:	1024
drawn by:	MB
approved by:	SLH
drawing scale:	1/4"=1'-0"
date issued:	

sheet number:
A4.0
sheet ___ of ___



**NOTE: ALL
DRAWER AND
CABINET PULLS TO
BE Hafele 6-5/16
Inch Center to
Center Handle
Cabinet Pull
Model: 111.04.116
IN NICKEL**

**NO LOCKS ON
STAFF LOUNGE
MILLWORK**

**EXTEND
CABINETS AND
COUNTER TO
WALL**

revise depth to 24"

**NEW SINK AND
FAUCET, SEE
PLUMBING
DRAWING**

**FINISH
LEFT
SIDE OF
CABINET**

**FINISH
CABINERY TO
WALL DRAWER
W/ CABINETS
BELOW**

CURVED WOOD FRAME

**WOOD BACK AND
SHELVES**

**WOOD SLAT WALL-
WD-1**

**ENTIRE PIECE
IS WD-1 AND
WD-2. SEE
DETAILS.**

**SHIELDS
PROVIDED
BY OWNER**

**PROVIDED BY
OWNER**

Revision	Date

drawing:
millwork

project:
Northbrook Public Library
1201 Cedar Ln,
Northbrook, IL 60062

project number:	1024
drawn by:	MB
approved by:	SK
drawing scale:	17'-0"=1'-0"
date issued:	1/11

sheet number:

A5.0

sheet ___ of ___

Revised	Issue

level 1 demolition and new reflected ceiling plans

drawing:

Northbrook Public Library
1201 Cedar Ln,
Northbrook, IL 60062

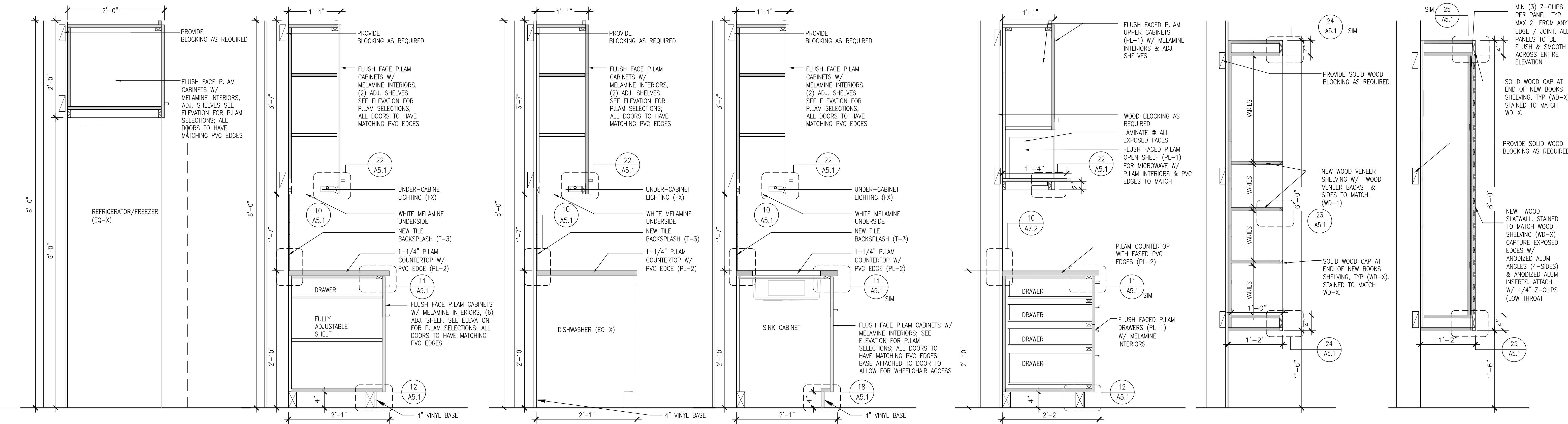
project:

project number:	1024
drawn by:	MB
approved by:	TJA
drawing scale:	1" = 1'-0"
date issued:	

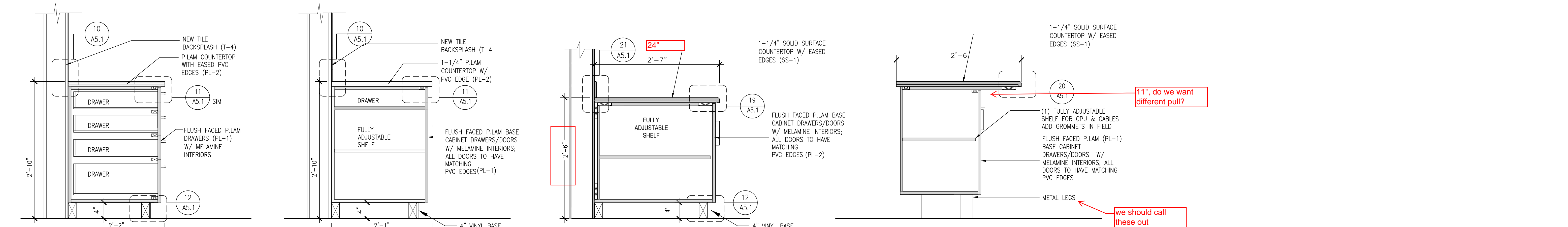
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A5.1

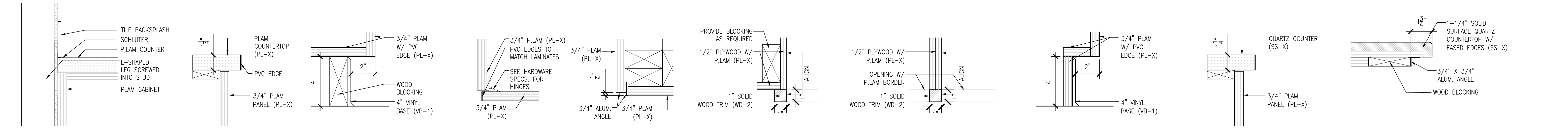
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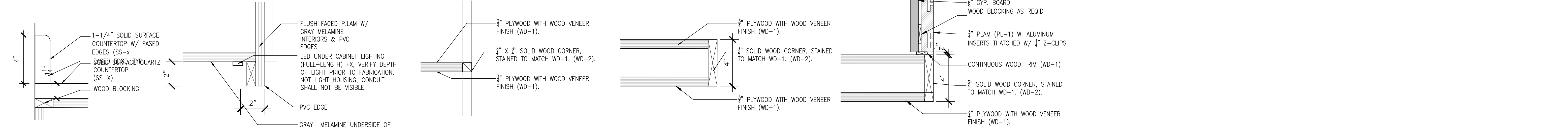
1 section - staff lounge scale: 1" = 1'-0" **2 section - staff lounge** scale: 1" = 1'-0" **3 section - staff lounge** scale: 1" = 1'-0" **4 section - staff lounge** scale: 1" = 1'-0" **5 section - staff lounge** scale: 1" = 1'-0" **6 section - display** scale: 1" = 1'-0" **7 section - display** scale: 1" = 1'-0"



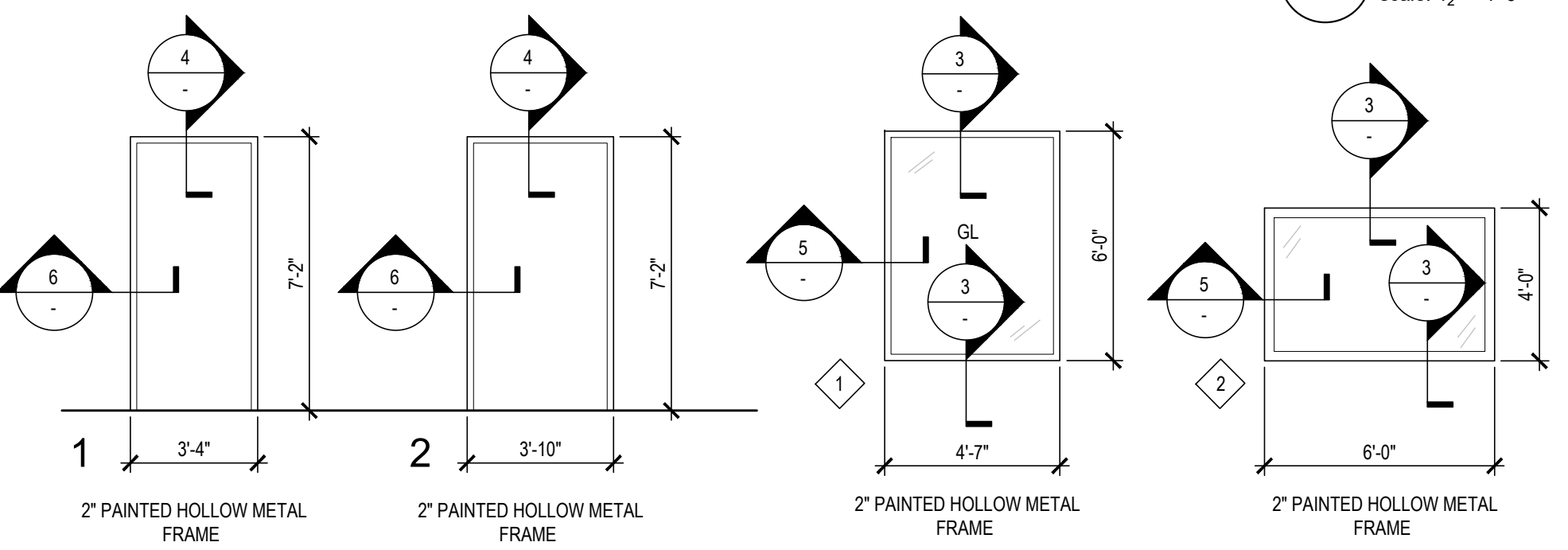
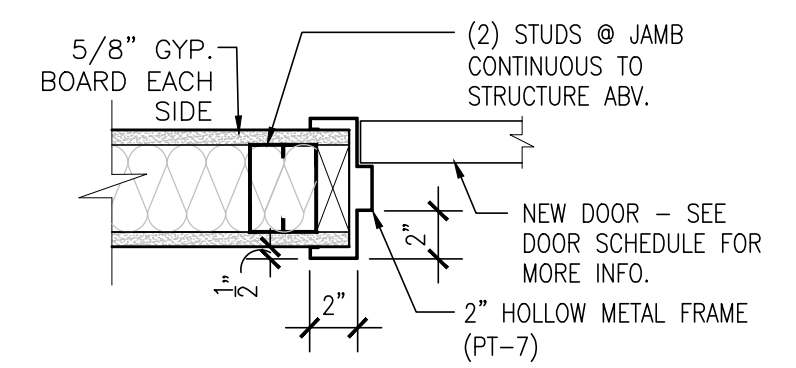
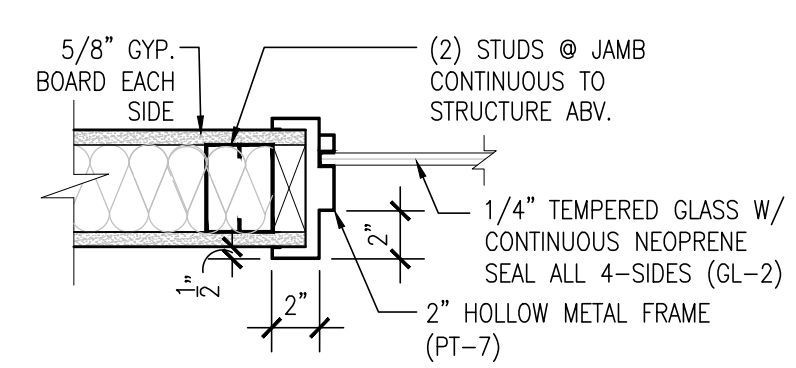
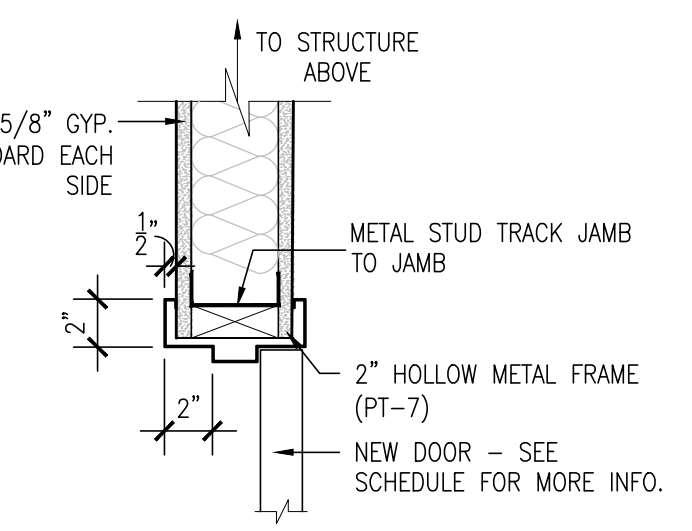
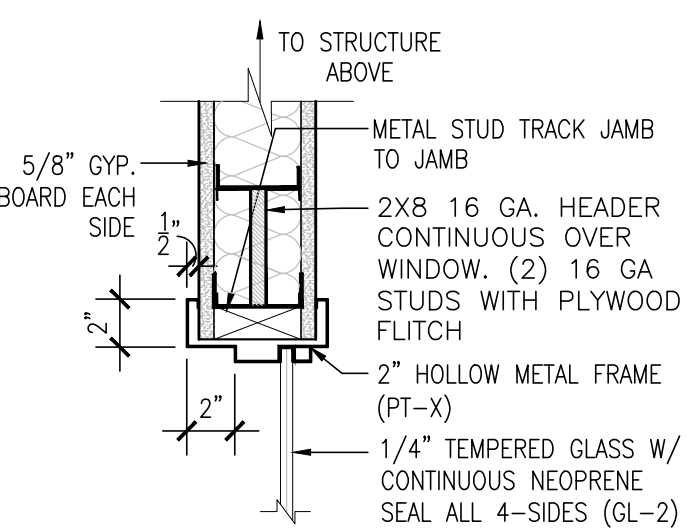
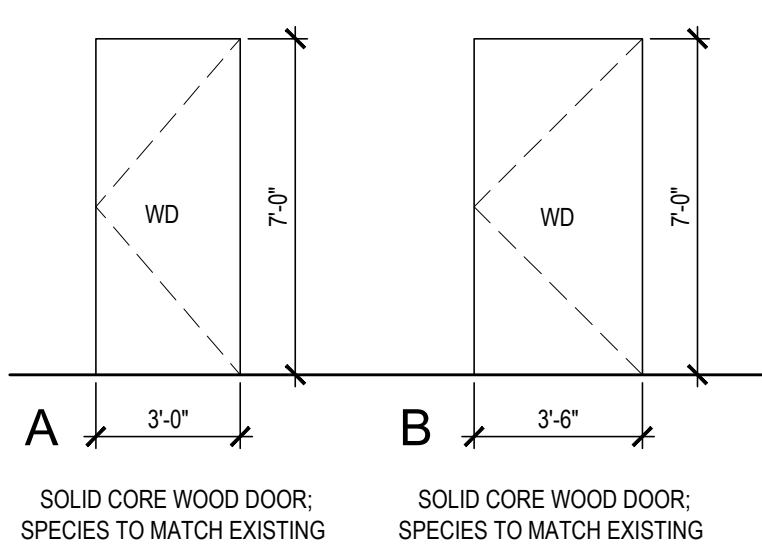
8 section - staff lounge scale: 1" = 1'-0" **9 section - staff lounge** scale: 1" = 1'-0" **9 section - credenza** scale: 1" = 1'-0" **10 section - self check** scale: 1" = 1'-0"



10 tile backsplash scale: 3" = 1'-0" **11 detail: plam edge** scale: 3" = 1'-0" **12 detail: vinyl base** scale: 3" = 1'-0" **14 detail: door** scale: 3" = 1'-0" **15 detail: plam corner** scale: 3" = 1'-0" **16 detail: p.lam corner** scale: 3" = 1'-0" **17 detail: p.lam corner** scale: 3" = 1'-0" **18 detail: door base** scale: 3" = 1'-0" **19 detail: quartz edge** scale: 3" = 1'-0" **20 detail: corian edge** scale: 3" = 1'-0"



21 detail: corian counter scale: 3" = 1'-0" **22 detail: upper cabinet light** scale: 3" = 1'-0" **23 detail: wood shelving** scale: 3" = 1'-0" **24 detail: wood shelving** scale: 3" = 1'-0" **25 detail: wood shelving/slatwall** scale: 3" = 1'-0"

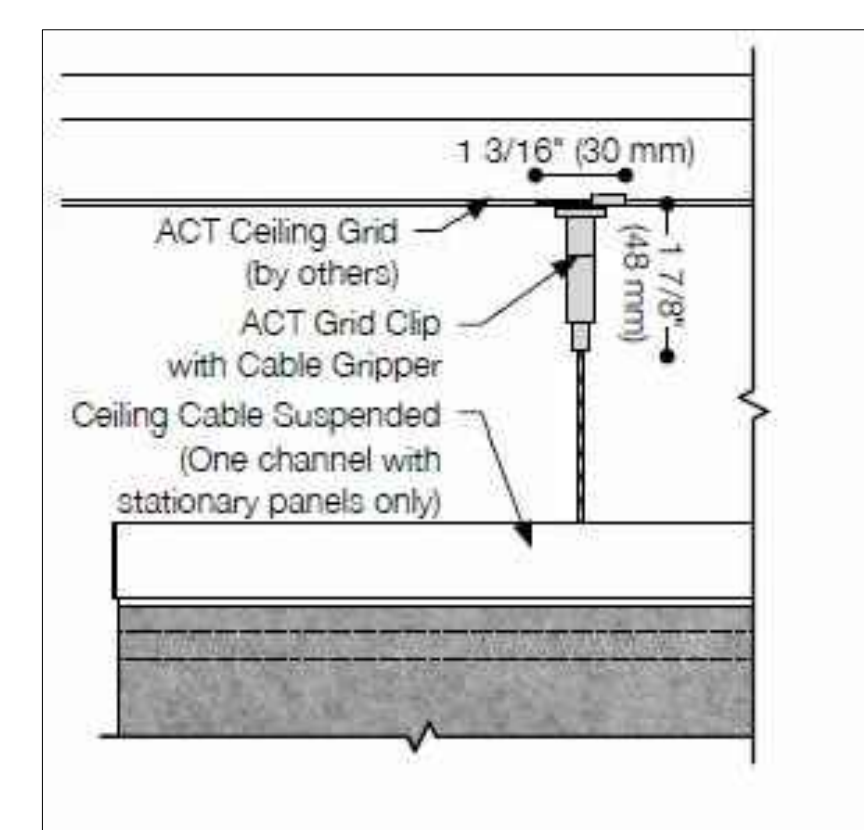
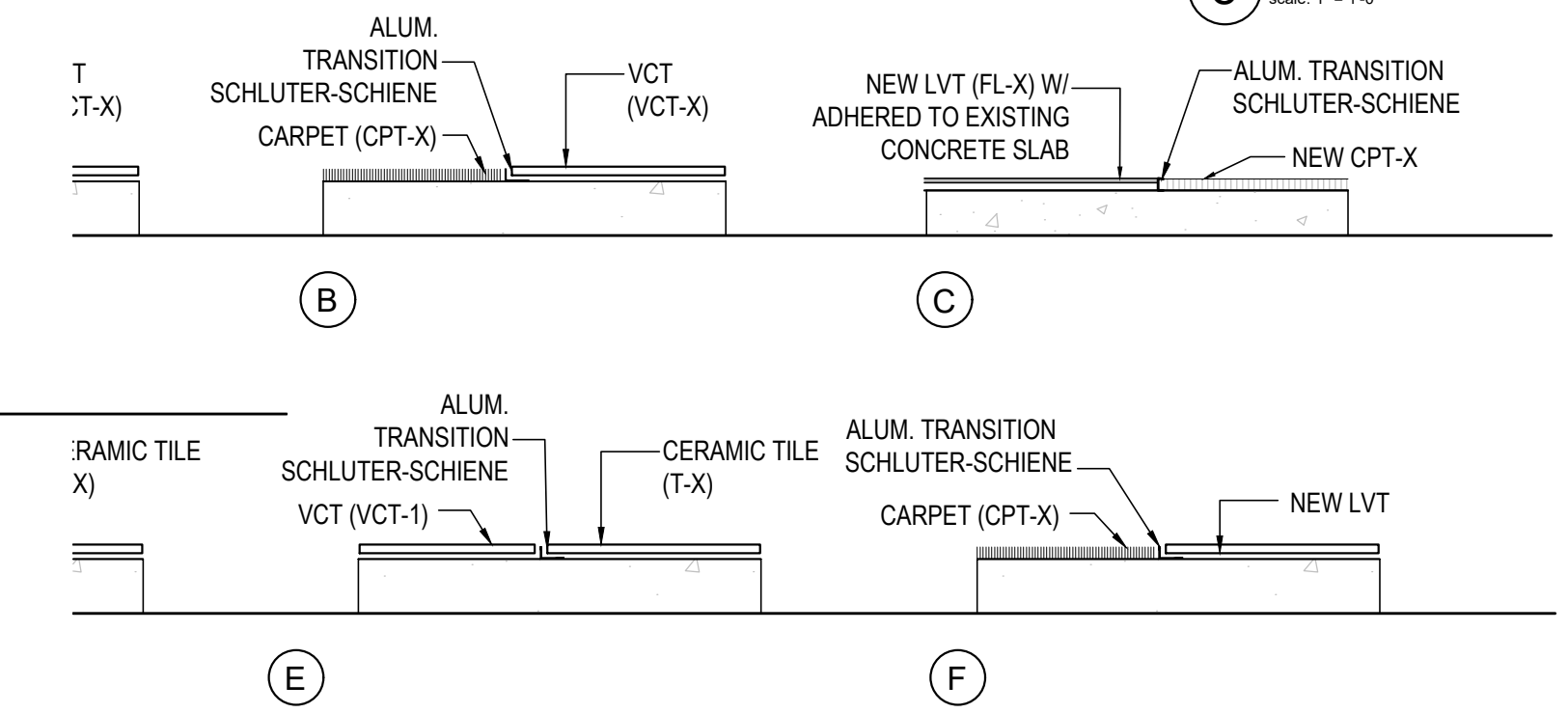
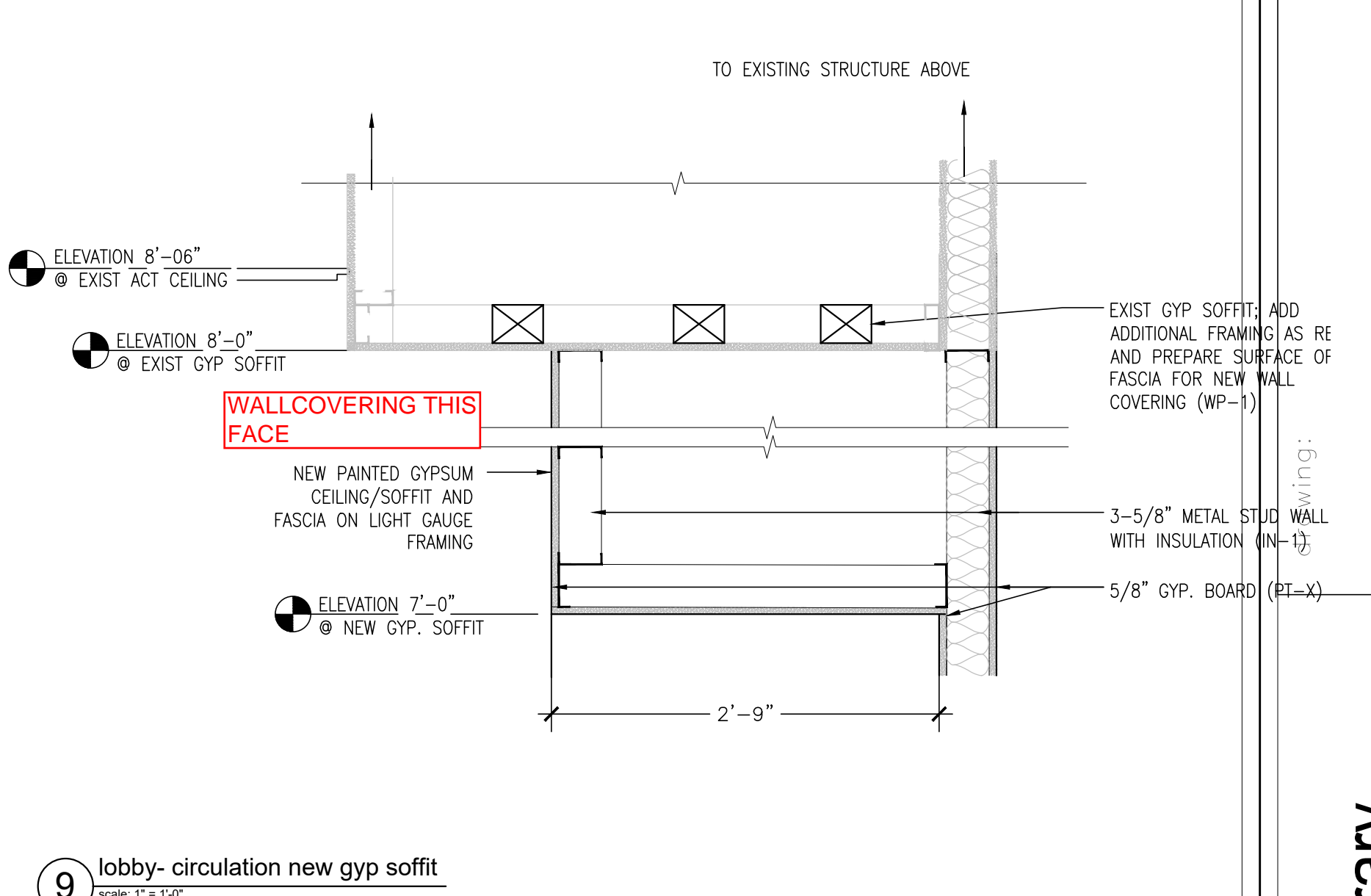
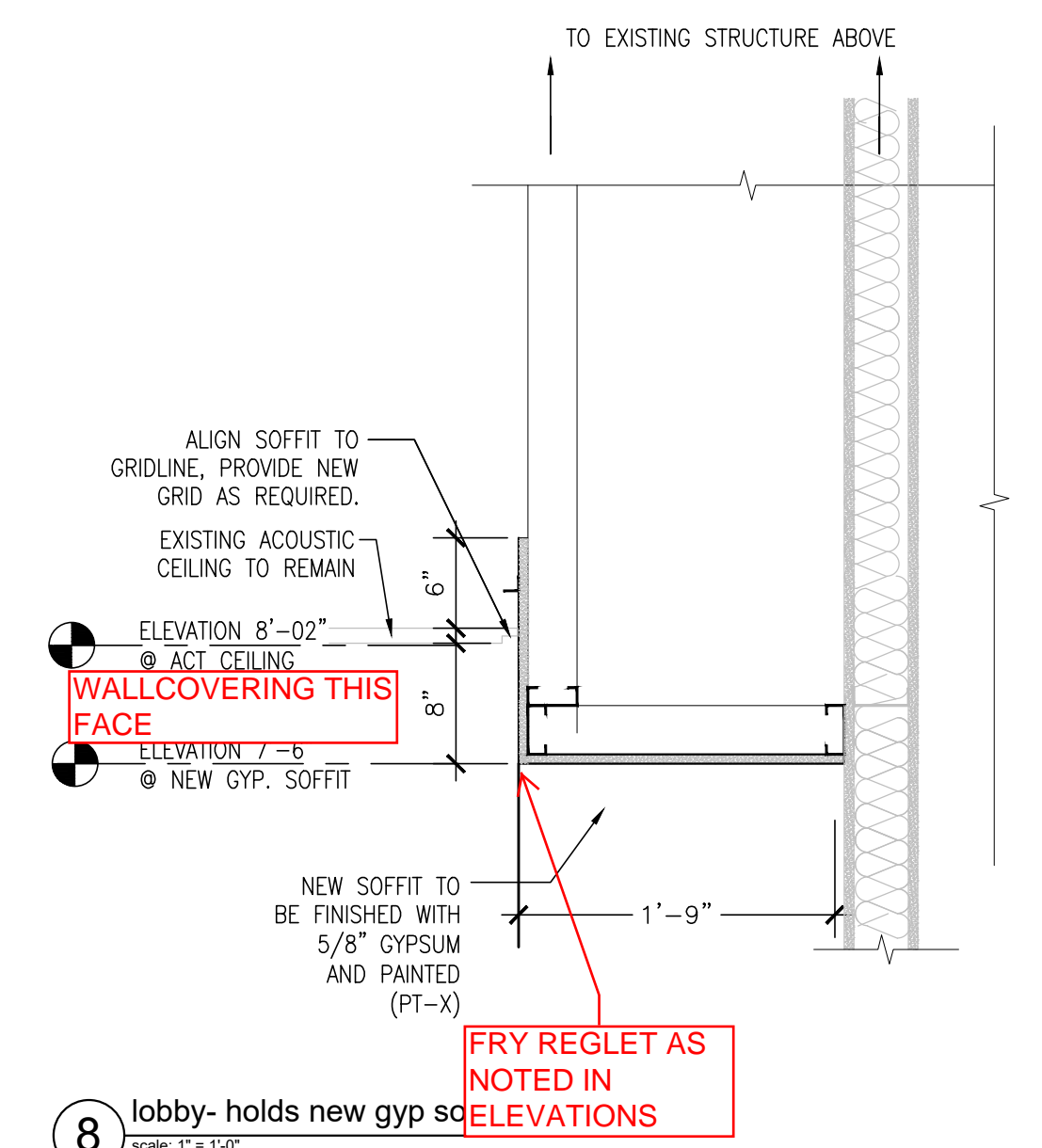
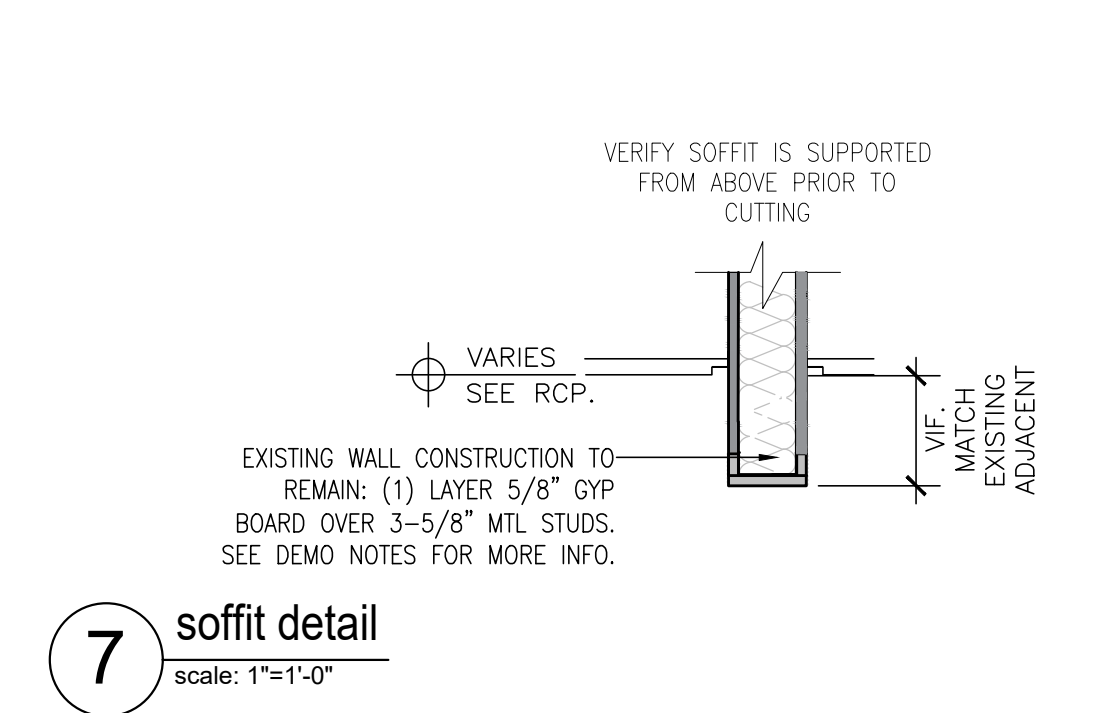
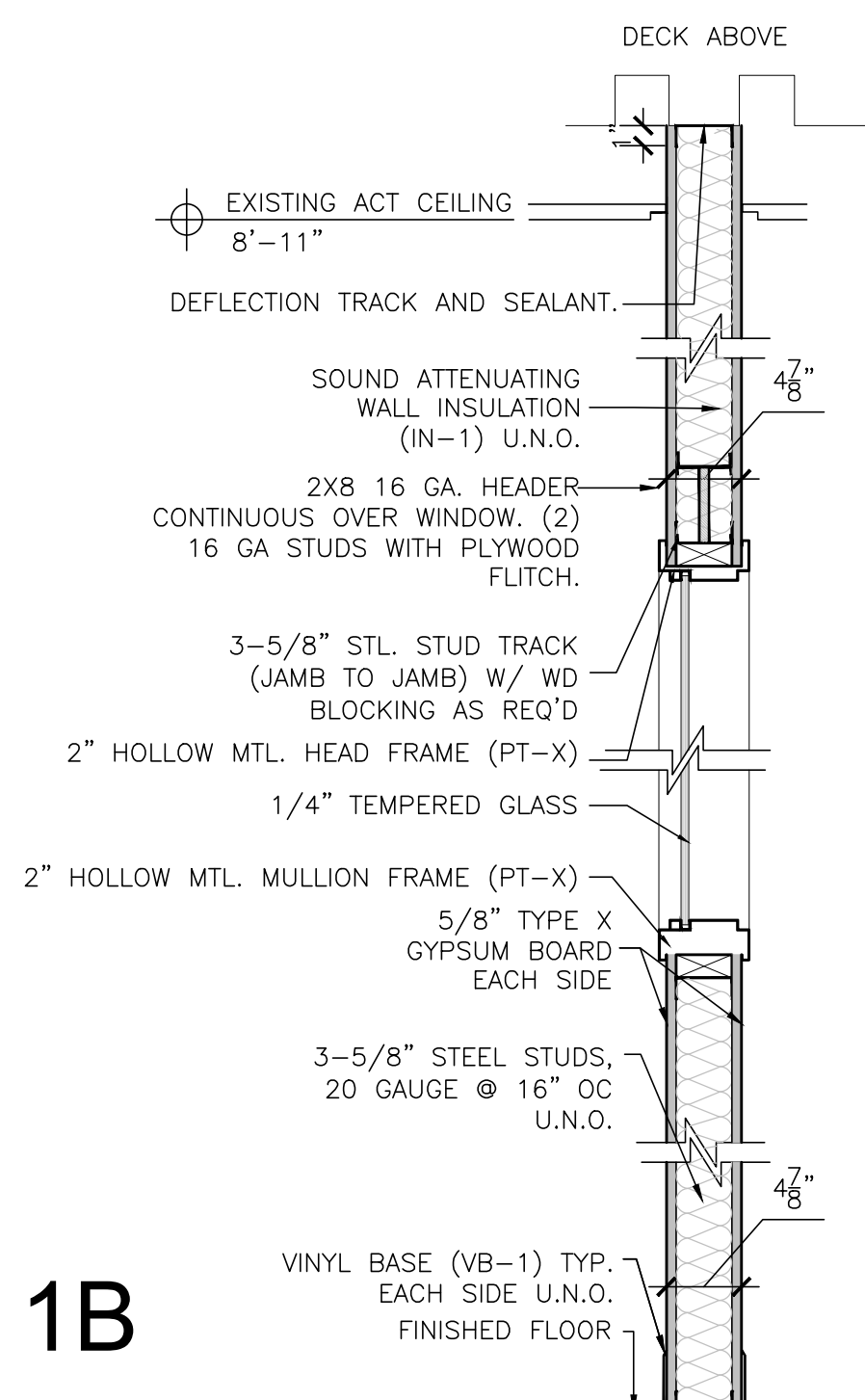
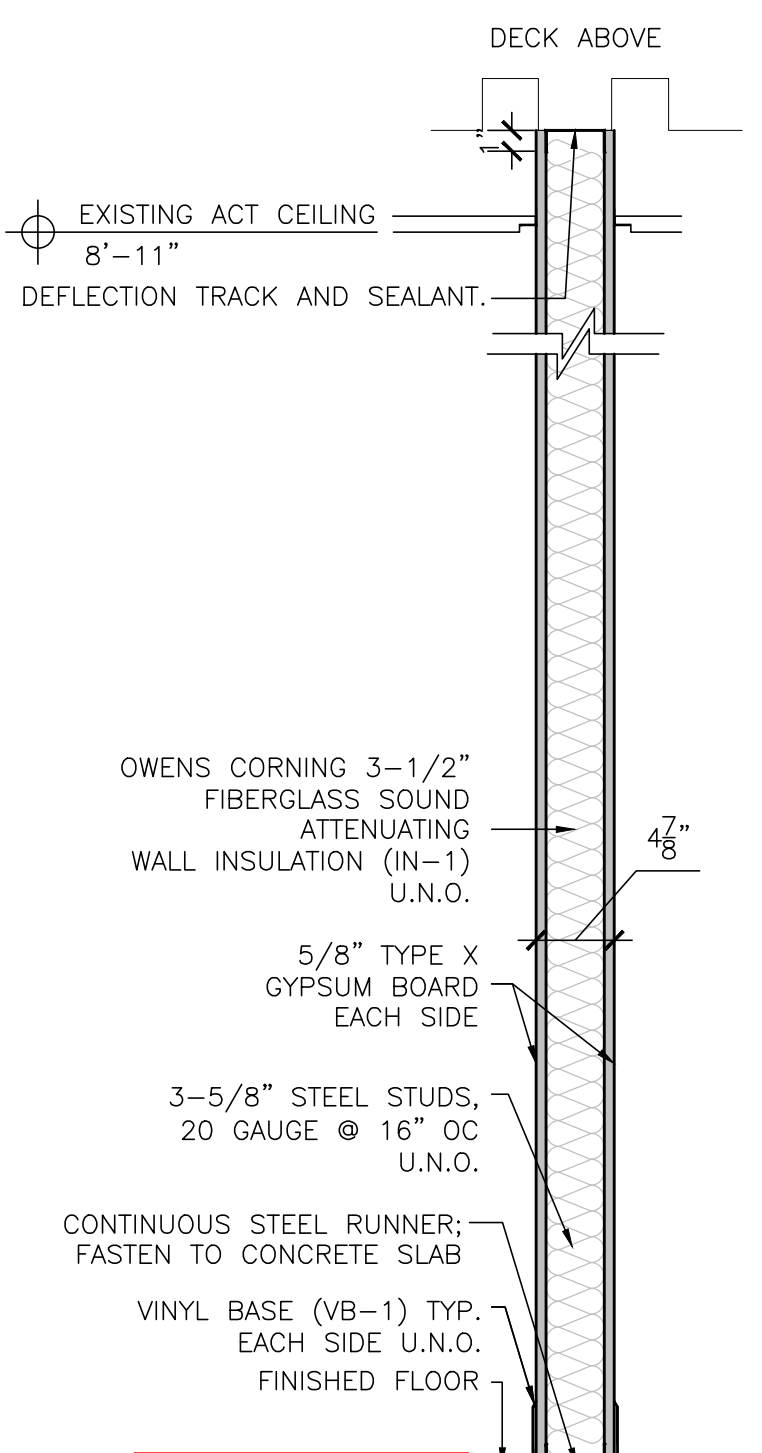


NORTHBROOK PUBLIC LIBRARY - DOOR SCHEDULE

NUMBER	DOOR	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE	FRAME		HARDWARE	FINISH	NOTES	
							MATERIAL	TYPE				
101	LOBBY	3'-6"	7'-0"	1 1/2"	WOOD	B	STAIN	HMF	2	-	PT-X	SPECIES AND STAIN TO MATCH EXISTING BUILDING STANDARDS
102	LOBBY	3'-0"	7'-0"	1 1/2"	WOOD	A	STAIN	HMF	1	-	PT-X	SPECIES AND STAIN TO MATCH EXISTING BUILDING STANDARDS
103	CIRC. MANAGER	3'-0"	7'-0"	1 1/2"	WOOD	B	STAIN	HMF	1	-	PT-X	SPECIES AND STAIN TO MATCH EXISTING BUILDING STANDARDS
104	HUDDLE	3'-0"	7'-0"	1 1/2"	WOOD	B	STAIN	HMF	1	-	PT-X	SPECIES AND STAIN TO MATCH EXISTING BUILDING STANDARDS
105	WELLNESS	3'-0"	7'-0"	1 1/2"	WOOD	A	STAIN	HMF	1	-	PT-X	SPECIES AND STAIN TO MATCH EXISTING BUILDING STANDARDS

NOTES:
DOOR HARDWARE SHALL BE CAPABLE OF OPERATION WITH THE USE OF ONE (1) HAND AND SHALL NOT REQUIRE TIGHT PINCHING, TIGHT GRASPING, OR TWISTING OF THE WRIST TO OPERATE. THUMB-TURN DEADBOLTS/LOCKS ARE PROHIBITED. LEVER OR PADDLE DEADBOLT LOCK RELEASES ARE ACCEPTABLE. DOOR THRESHOLD SHALL NOT EXCEED ONE-HALF INCH (1/2") IN HEIGHT. THRESHOLDS EXCEEDING ONE QUARTER INCH (1/4") IN HEIGHT SHALL HAVE A 1:2 BEVEL. DOOR CLOSERS SHALL MEET OPENING FORCE AND SWEEP PERIOD REQUIREMENTS.

1 door and window types
scale: 1/4" = 1'-0"



2 wall types
scale: 1" = 1'-0"

see interior elevation for revised wall base notes and fry reglet corner trims.

12 detail: hanging felt panel attachment
scale: NTS

interior details, wall and window types

project:
Northbrook Public Library
1201 Cedar Ln,
Northbrook, IL 60062

project number:	1024
drawn by:	MB
approved by:	SK
drawing scale:	1" = 0'-0" max
date issued:	1/11

sheet number:

A6.0

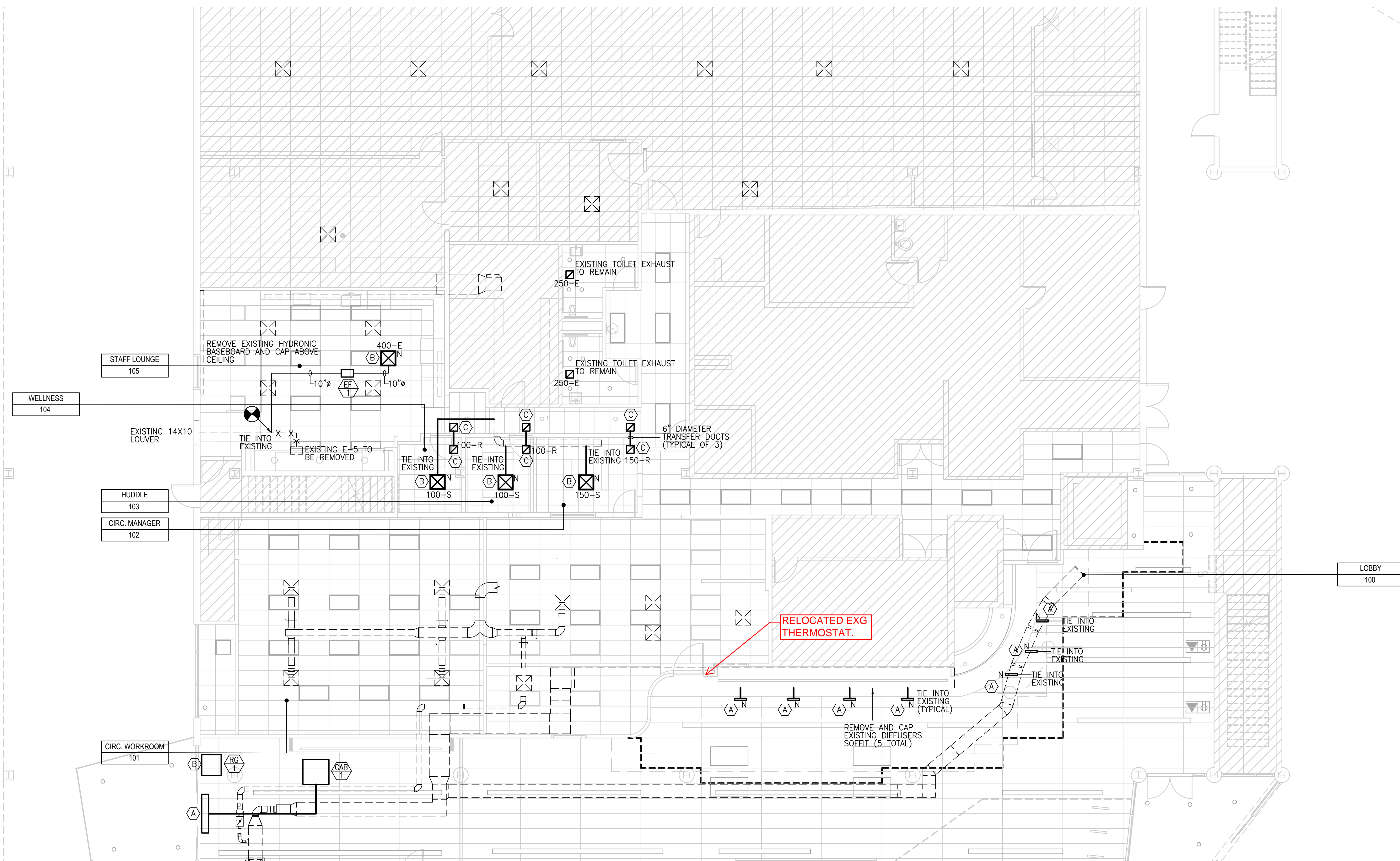
sheet ___ of ___

description	issue date
ISSUED FOR BID AND PERMIT	08/21/20



BES BUILDING ENGINEERING SYSTEMS, LLC
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444 N. WELLS STREET
SUITE 405
CHICAGO, IL 60654
T (312) 836-0595
www.beseng.com
FIRM REGISTRATION: #184-002472

- MECHANICAL SPECIFICATIONS AND GENERAL NOTES:**
- CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND VERIFYING ANY EXISTING FIELD CONDITIONS PRIOR TO THE SUBMISSION OF THEIR BID.
 - CONTRACTOR IS RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE WORK OF ALL OTHER TRADES AND MAKING ANY NECESSARY MODIFICATIONS TO THEIR WORK AT NO ADDITIONAL COST, INCLUDING ANY OFFSETS REQUIRED.
 - THE DRAWING INDICATES GENERAL CHARACTER AND LOCATION OF WORK INCLUDED, BUT HAVING MINOR SPECIALTIES WHICH ARE TO BE PROVIDED AT NO ADDITIONAL COST.
 - ALL WORK SHALL BE IN ACCORDANCE WITH 2006 INTERNATIONAL MECHANICAL CODE, 2015 INTERNATIONAL ENERGY CONSERVATION CODE, 2006 INTERNATIONAL FUEL GAS CODE AND ALL LOCAL CODES AND AMENDMENTS, THESE CODES SHALL BE FOLLOWED AS A MINIMUM. PROVIDE A HIGHER GRADE OF MATERIAL AND WORKMANSHIP WHERE REQUIRED BY THESE DOCUMENTS. PROVIDE ALL TESTS REQUIRED BY LOCAL CODES.
 - PROVIDE ALL REQUIRED OPENINGS IN FLOOR, WALL ETC., NECESSARY FOR THE MECHANICAL WORK. COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR AND ARCHITECT.
 - ALL PERMITS, FEES, LICENSES, APPROVALS AND OTHER ARRANGEMENTS FOR WORK SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.
 - SUBMIT EQUIPMENT SPECIFICATIONS FOR REVIEW AND APPROVAL PRIOR TO PURCHASE.
 - SUBMIT ASSEMBLED PRINTED INSTRUCTIONS FOR THE OPERATION AND MAINTENANCE OF EACH ITEM INSTALLED ALONG WITH EQUIPMENT CUTS AND CONTROL WIRING DIAGRAMS.
 - CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIAL FOR ONE YEAR AFTER FINAL ACCEPTANCE AGAINST ALL DEFECTS OF MATERIAL, EQUIPMENT AND WORKMANSHIP.
 - PROVIDE SEPARATE VOLUME DAMPERS (LOCKING TYPE) WITH ALL SUPPLY DIFFUSERS.
 - ALL EQUIPMENT SHALL BE CLEANED AND ADJUSTED AS REQUIRED TO OPERATE SATISFACTORILY.
 - ALL LOW PRESSURE DUCTWORK LINING AND/OR INSULATION SHALL BE PER BUILDING STANDARDS.
 - ALL SUPPLY AND RETURN AIR DUCTWORK SHALL BE 24 GAUGE GALVANIZED SHEET METAL INSTALLED PER SMACNA STANDARDS.
 - ALL DUCT SIZES INDICATED ARE CLEAR AIRWAY DIMENSIONS. DUCT LINING AS INDICATED PER FLOOR PLANS.
 - FLEXIBLE DUCTWORK SHALL BE "FLEXMASTER" TYPE 3 NON-INSULATED AND NO FLEXIBLE DUCTWORK SHALL BE LONGER THAN 6'-0".



1 Mechanical floor plan
Scale: 1/8" = 1'-0"

SYMBOL LIST

- EXISTING WORK TO REMAIN
- x-x-x- EXISTING WORK TO BE REMOVED
- NEW WORK
- ER EXHAUST/RETURN
- NEW CONNECTION TO EXISTING
- ⊕ THERMOSTAT
- ⌈---⌋ MANUAL AIR VOLUME DAMPER
- B. D. D. BACK DRAFT DAMPER

CABINET HEATER SCHEDULE - HOT WATER

TAG NAME	AREA SERVED	CONFIGURATION	NOMINAL CFM	MBH	GPM	EWT °F	LWT °F	MAX W.P.D FT. HD	CONTROL TYPE	CABINET HEIGHT	CABINET WIDTH	CABINET DEPTH	QTY. OF FANS	MOTOR HP PER FAN	RPM	VOLTAGE	DISCONNECT BY (NOTE A)	DISCONNECT TYPE (NOTE B)	CONTROLLER STARTER BY (NOTE A)	MANUFACTURER	MODEL	REMARKS	
CAB-1	LOBBY	FULLY RECESSED, CEILING	1310	62.8	7.9	180	160	1		10'	76"	27"	2	1/7	1550	120	400	MFR	NF	TCC	RITTLING	RFRC-410-10	NOTE 1

NOTES:
1 COORDINATE COLOR SELECTION WITH ARCHITECT FOR ALL ITEMS LISTED

EXHAUST FAN SCHEDULE

UNIT NO.	SERVICE	LOCATION	MANUFACTURER	TYPE	DRIVE	MODEL	STD. AIR C.F.M.	E.S.P. IN. W.G.	FAN R.P.M.	MOTOR B.H.P.	MOTOR H.P.	MOTOR V.P.Hz	MOTOR WEIGHT LB.	REMARKS
EF-1	STAFF LOUNGE 105	CEILING	GREENHECK	INLINE	DIRECT	SQ-90G	400	0.25	1300	1/25	1/25	115.1.60	41	CONTROLLED BY EXISTING WALL SWITCH

DIFFUSER, REGISTERS AND GRILLES SCHEDULE

TAG	MANUFACTURER AND MODEL	TYPE			CFM RANGE	MODULE SIZE	NECK SIZE	LINEARS			O.B.D. Y/N	MATERIAL	FINISH	REMARKS
		LINEAR	LAY-IN	REGISTER				LENGTH (FT)	NO. OF SLOTS	SLOT WIDTH (IN)				
A	TITUS-TBDI-80	X			0-100	-	6"Ø	2	1	1	-	-		S.A. SLOT DIFFUSER
			X		101-200	-	10"Ø	2	1	1	-	-		S.A. SLOT DIFFUSER
B	TITUS-TMSA-AA		X		0-140	24X24	6"Ø	-	-	-	-	ALUMINUM		2X2 CEILING S.A. DIFFUSER
				X	141-240	35X24	8"Ø	-	-	-	-	ALUMINUM		2X2 CEILING S.A. DIFFUSER
C	TITUS-300 SERIES			X	0-300	-	-	1	-	-	-	-		6"X6" CEILING R.A. DIFFUSER

drawing: mechanical plan

project: Northbrook Public Library
1201 Cedar Ln,
Northbrook, IL 60062

project number:	1924
drawn by:	MR
approved by:	TUN
drawing scale:	1'-0"=xxx
date issued:	-

sheet number:
M1.1
sheet ___ of ___

ELECTRICAL NOTES AND SPECIFICATIONS:

- ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL ELECTRICAL, BUILDING AND FIRE CODES, APPLICABLE FEDERAL AND STATE REGULATIONS.
- LAYOUT IS DIAGRAMMATIC AND CONTRACTOR SHALL INSTALL EQUIPMENT TO MEET THE FIELD CONDITIONS.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTION FEES AS REQUIRED FOR HIS PORTION OF THE WORK.
- CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL COMPLETION.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH THE RESPECTIVE TRADES AND VERIFY LOCATIONS FROM THE ARCHITECTURAL DRAWINGS, FIELD MEASUREMENTS AND SUPPLIER SHOP DRAWINGS.
- CONTRACTOR SHALL VISIT SITE TO DETERMINE THE FULL EXTENT OF THE WORK AND FACILITY LOCATIONS AND VERIFY WITH THE LOCAL GOVERNING BODIES.
- CONTRACTOR SHALL FURNISH SHOP DRAWING ON ALL EQUIPMENT AND FIXTURES TO ENGINEER FOR REVIEW; QUANTITY AS PER GENERAL PROVISIONS.
- CONTRACTOR SHALL FURNISH ONE SET OF AS-BUILTS TO ENGINEER OF ALL CONTRACT WORK.
- CONTRACTOR SHALL CHECK ALL DRAWINGS AND SPECIFICATIONS OF OTHER TRADES AND INCLUDE IN HIS BID ANY ADDITIONAL WORK REQUIRED BY THIS TRADE.
- ALL EXISTING CONDITIONS MUST BE VERIFIED AT THE PROJECT SITE BY THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO MAKE ANY AND ALL PROVISIONS NECESSARY TO ADAPT THE NEW WORK TO EXISTING CONDITIONS. ALL SUCH ADAPTATION MUST BE REVIEWED BY THE ENGINEER AND MUST BE MADE AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL AVOID ALL STRUCTURAL SUPPORT MEMBERS. RELOCATE EQUIPMENT AS NECESSITATED BY FIELD CONDITIONS, FROM WHERE SHOWN ON DRAWINGS. CUTTING SHALL ONLY BE DONE AFTER OBTAINING ARCHITECT'S REVIEW.
- THE CONTRACTOR SHALL PROTECT THE EXISTING OFFICE FACILITY AND SHALL EXERCISE CARE NOT TO DAMAGE ANY EXISTING CONSTRUCTION TO REMAIN. ALL WORK DAMAGED BY THE CONTRACTOR MUST BE RESTORED SO AS TO MATCH EXISTING ADJACENT SURFACES IN ALL RESPECTS AND AS APPROVED BY THE ARCHITECT. ANY SUCH CORRECTIVE WORK MUST BE PERFORMED AT NO ADDITIONAL COST. ALL CORING AND ELECTRICAL WORK DONE AT FLOOR FLOOR BELOW SHALL BE AFTER HOURS AND ON OVERTIME BASIS.
- THE CONTRACTOR SHALL VERIFY THE CONDITION OF EXISTING ELECTRICAL PANELS AND NUMBER OF SPARES AND SPACES. HE SHALL PROVIDE AND INSTALL OVERCURRENT DEVICES AS REQUIRED TO CONTROL NEW CIRCUITRY.
- THE CONTRACTOR SHALL MAINTAIN THE ELECTRICAL CONTINUITY OF ELECTRICAL CIRCUITS, EQUIPMENT, AND DEVICES TO REMAIN. HE SHALL REWORK AND RECIRCUIT AS NECESSARY TO INSURE THE PROPER FUNCTIONING OF REMAINING CIRCUITS, EQUIPMENT AND DEVICES.
- CIRCUIT NUMBERS GIVEN ON DRAWINGS ARE FOR CIRCUIT IDENTIFICATION ONLY. THE CONTRACTOR SHALL INSTALL CIRCUITRY AS GOVERNED BY FIELD CONDITIONS. HE SHALL KEEP A TYPED RECORD CORRELATING GIVEN AND ACTUAL CIRCUIT NUMBERS AND RECORD THIS INFORMATION ON THE PANEL DIRECTORIES.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF THE OTHER CONTRACTORS AND WITH THE EXISTING JOB SITE CONDITIONS. HE SHALL RELOCATE EQUIPMENT AS REQUIRED TO AVOID CONFLICT WITH OTHER TRADES. ALL DEVIATIONS SHALL BE APPROVED BY THE ENGINEER BEFORE EXECUTION OF WORK.
- OUTAGES OF EXISTING ELECTRICAL SYSTEMS NECESSITATED BY THE NEW CONSTRUCTION WORK OF ALL TRADES SHALL BE IN ACCORDANCE WITH A SCHEDULE ISSUED IN THE FIELD BY THE LANDLORD & BLDG. ENGINEER. INCLUDE ALL ELECTRIC WORK, OVERTIME LABOR AND SUPERVISION NECESSARY TO ADHERE TO THIS SCHEDULE.
- ANY EXISTING ELECTRICAL WORK WHICH IS PULLED OUT OR CUT AWAY SHALL BE REMOVED FROM THE SITE AS IF IT WERE RUBBISH. PROPER CREDIT SHALL BE GIVEN FOR ALL SALVAGEABLE ITEMS.
- RACEWAYS SHALL BE MINIMUM 3/4" EMT FOR LIGHTING AND APPLIANCE BRANCH CIRCUITRY AND MINIMUM 3/4" EMT FOR TELEPHONE.
- CONDUCTORS SHALL BE COPPER, MINIMUM #12 A.W.G., WITH TYPE THWN INSULATION.
- RACEWAY FITTINGS SHALL BE GALVANIZED STEEL, CODE APPROVED TYPE.
- ADJUSTMENT FACTORS FOR MORE THAN THREE CURRENT CARRYING CONDUCTORS IN A RACEWAY OR CABLE SHALL BE IN ACCORDANCE WITH NEC TABLE 310.15(B)(2)(c).
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE CONDUCTOR AND RACEWAY SYSTEM FOR ALL CIRCUIT DEVICES INDICATED ON THE PLANS EVEN THOUGH NOT DELINEATED.
- WIRES FOR BRANCH CIRCUITS THAT EXCEED 75' IN LENGTH FROM PANEL TO CENTER OF LOAD SHALL NOT BE SMALLER THAN #10 AWG.
- INSTALLATION OF ALL LIGHTING FIXTURES SHALL INCLUDE ALL NECESSARY CONDUIT (SOLID OR FLEXIBLE), WIRING, JUNCTION BOXES, ETC., FOR CIRCUIT DEVICES.
- ALL ELECTRICAL EQUIPMENT AND INSTALLATION ABOVE THE CEILING SHALL BE APPROVED FOR PLENUM CONDITIONS AS REQUIRED BY APPLICABLE GOVERNING AUTHORITY.
- ALL CIRCUITRY TO BE RUN CONCEALED UNLESS OTHERWISE INDICATED.
- MATERIAL AND EQUIPMENT SHALL MATCH BUILDING STANDARD UNLESS NOTED OTHERWISE.
- LIFE SAFETY SYSTEM- GENERAL CONTRACTOR AND ELECTRICAL CONTRACTOR SHALL SCHEDULE LIFE SAFETY SYSTEM TEST WITH BUILDING ENGINEER TO CONFIRM THAT ALL NEW AND EXISTING SPEAKERS ARE OPERATIONAL. REPAIR/REPLACE DEFECTIVE SPEAKERS.
- ALL BRANCH CIRCUITRY EXTENDING FROM ONE WALL OUTLET JUNCTION BOX TO ANOTHER WITHIN 6' CAN BE ROUTED HORIZONTALLY IN THE WALL CAVITY. THE BRANCH CIRCUITRY GREATER THAN 6' SHALL BE ROUTED VERTICALLY DOWN INTO THE JUNCTION BOX, VERTICALLY OUT OF THE JUNCTION BOX AND THEN RUN HORIZONTALLY THROUGH THE CEILING CAVITY AT A MINIMUM OF 3" ABOVE THE PARTITION CONSTRUCTION TO THE NEXT WALL OUTLET LOCATION.

SINGLE FACE EXIT SIGNS					
CODE #	SYMBOL	FACE DESCRIPTION	CODE #	SYMBOL	FACE DESCRIPTION
#2		STAIR (S)	#3		EXIT
#5		STAIR (S)	#6		EXIT
#8		STAIR (S)	#9		EXIT
#11		STAIR (S)	#12		EXIT

DOUBLE FACE EXIT SIGNS					
CODE #	SYMBOL	FACE DESCRIPTION	CODE #	SYMBOL	FACE DESCRIPTION
#17		STAIR (S)	#18		EXIT
#20		STAIR (S)	#21		EXIT
#23		STAIR (S)	#24		EXIT

SYMBOL LIST:			
SYMBOL	DESCRIPTION	LAMPS	VOLTAGE
	BATTERY OPERATED EMERGENCY LIGHT. SURE-LITES ST-1 2 HOUR BACKUP	(2) 12W TUNGSTEN HALOGEN	120V -
	BUILDING STANDARD EXIT SIGN PHILIPS CHLORIDE EDGE GLO LED CONNECTED TO EMER. CIRCUIT	LED 5 WATT	120V -

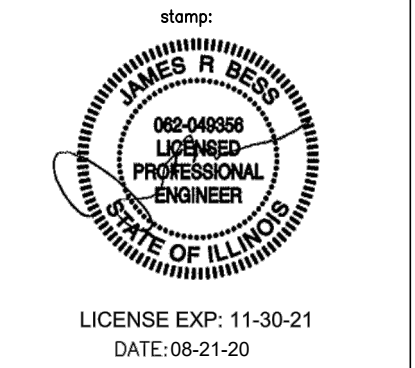
BATTERY UNITS SHALL COMPLY WITH CEC 700.66

EMERGENCY LIGHTING NOTES:

- EMERGENCY LIGHTING AND EXIT SIGNS ARE CONNECTED TO HOUSE LIGHTING PANEL WITH AN APPROVED LOCK-ON DEVICE PER CEC 700.62 (a)(4)
- RELAMP ALL FIXTURES AT THE END OF CONSTRUCTION.
- UNIT BATTERY EQUIPMENT SHALL BE ON THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL ILLUMINATION OR IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHING. AS PER CEC 700.66 (c)(4)(c).
- THE FINAL RESERVE POWER SOURCE SHALL BE SUPPLIED FROM APPROVED BATTERY UNITS PER CEC 700.2.

NORTHBROOK PUBLIC LIBRARY - LIGHTING SCHEDULE										
TYPE	DESCRIPTION	LAMP	DRIVER	DIMMED LEVEL	VOLTAGE	MANUFACTURER	CATALOGUE NUMBER	LOCATION	NOTES	CUTSHEET LINK
F1	RECESSED LED LINEAR	TBD	TBD	TBD	TBD	AXIS	B6RLED-1000-80-35-GL-8-XXX-W-UNV-XXX-T69-	LOBBY	TO MATCH EXISTING	https://www.axislighting.com/application/files/5915/9008/7973/B6R_LED-B3_SPEC.pdf
F2B	RECESSED LED WALL WASHER	TBD	TBD	TBD	TBD	PINNACLE	EV3WW-35-CR-G1(G)-U-DRIVER-1-0-W-	LOBBY		http://www.pinnacle-ltg.com/files/downloads/Pinnacle%202013%20Website/Spec%20Sheets/Edge%20EV/3WW_LED_SPEC.pdf
F3	LED PENDANT TRACK LIGHTING	TBD	TBD	TBD	TBD	SPEC LUME	ME1816DGV-XX-35K-XX-TF2-CD-CC-CC	LOBBY	provide track as shown in ceiling plan	https://www.speclight.com/images/products/SpecLume%20Decorative/DOWNLOAD/ME-DGV-%20RC.pdf
F4	F4 : 2X4 (WORKROOM) F4B: 2X2 (STAFF LOUNGE)	TBD	TBD	TBD	TBD	LITHONIA	ENVX-2X4-HRGC-4800-80CRI-3500 ENVX-2X2-HRGC-3300-80CRI-3500	CIRC.WORKROOM		
F5	1'X 4' RECESSED	TBD	TBD	TBD	TBD	LITHONIA	ENVX-1X4-HRGC-4000-80CRI-3500			
F6	4" RECESSED LED DOWNLIGHT	TBD	TBD	TBD	TBD	LITHONIA	LDN4-35-XX-L04-AR-XX-XX-XX			https://img.acuitybrands.com/public-assets/catalog/564616/ldn4.pdf?abl_version=06%2f12%2f2020+14:12:22&DOC_Type=SPEC_SHEET
F7	PENDANT AT COFFEE BAR	TBD	TBD	TBD	TBD	EUREKA	4272-9-LED-35-80-V-C-36-WHE-WH	STAFF LOUNGE		
F8	UNDERCABINET	TBD	TBD	TBD	TBD	QTRAN	3SW24/4.0-DRY-3500K-WIRES-96° VERIFY- STRIP WITH TRE3 EXTRUSION AND LENS	STAFF LOUNGE		https://www.q-tran.com/wp-content/uploads/qtran_uploads/2620/sw24-4-0-order-sheets.pdf?v=1581714376

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FIRM REGISTRATION: #184-002472

drawing: electrical note and schedule

project: Northbrook Public Library
1201 Cedar Ln,
Northbrook, IL 60062

project number:	1924
drawn by:	MR
approved by:	TUN
drawing scale:	1"=0'xxxx
date issued:	-

sheet number:
E0.1
sheet ___ of ___

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FIRM REGISTRATION: #184-002472

drawing:
electrical lighting demolition plan

project:
Northbrook Public Library
1201 Cedar Ln,
Northbrook, IL 60062

project number:	1924
drawn by:	MR
approved by:	TJN
drawing scale:	1"=0'-0"xxx
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ELECTRICAL LIGHTING DEMOLITION KEYED NOTES:

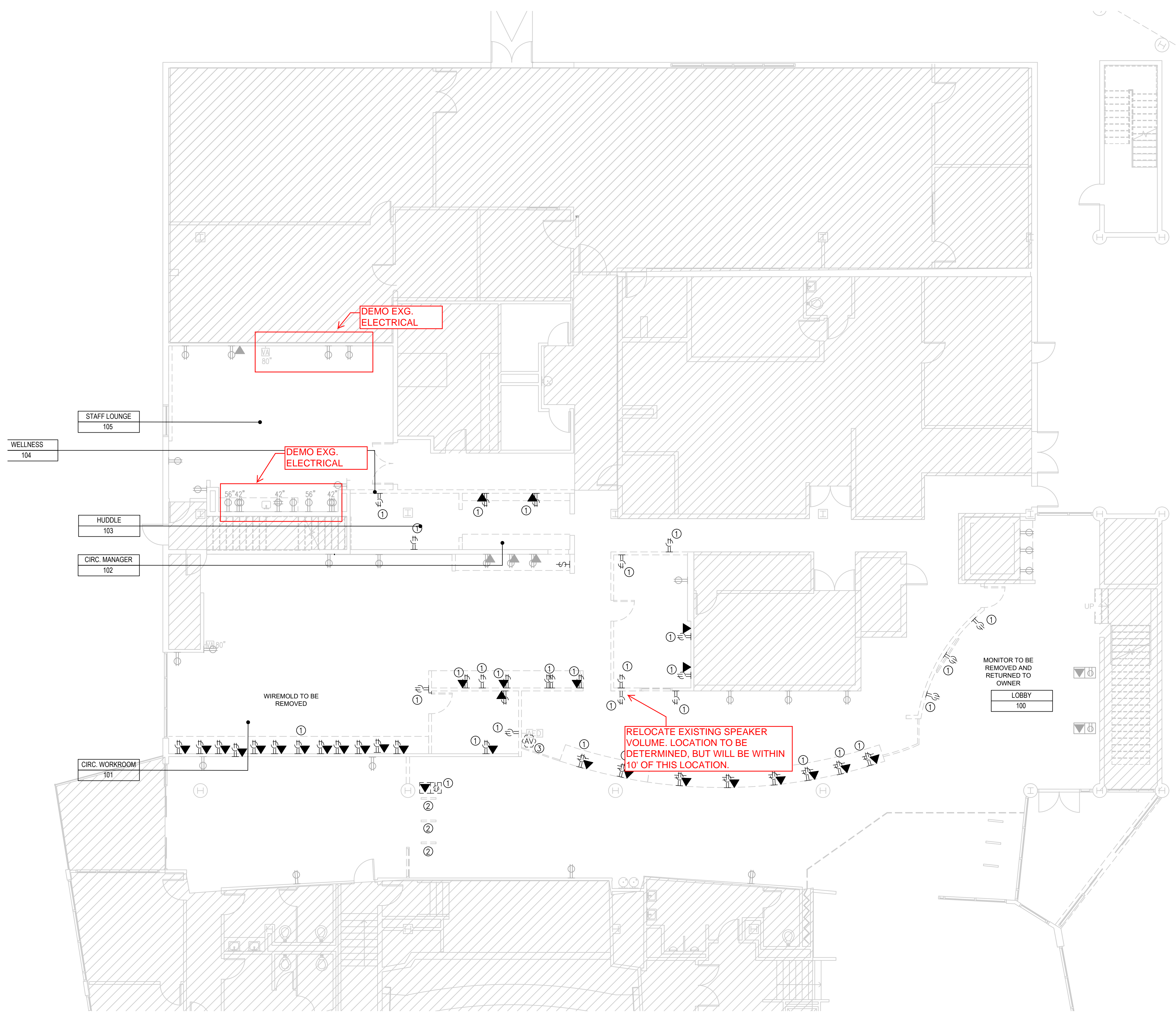
- ① DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE. LEAVE CIRCUIT IN PLACE FOR RE-USE.
- ② DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE AND ALL ASSOCIATED WIRE BACK TO SOURCE.

1 electrical lighting demolition floor plan
scale: 1/8" = 1'-0"

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ELECTRICAL POWER DEMOLITION KEYED NOTES:

- ① DISCONNECT AND REMOVE EXISTING ELECTRICAL OUTLET AND ALL ASSOCIATED WIRE BACK TO SOURCE. PROVIDE FINISH COVER PLATE.
- ② DISCONNECT AND REMOVE EXISTING ELECTRICAL FEED TO SECURITY GATES TO BE RELOCATED. COORDINATE WITH ARCHITECT.
- ③ EXISTING FIRE ALARM DEVICE TO BE RELOCATED.

1 electrical power demolition floor plan
scale: 1/8" = 1'-0"

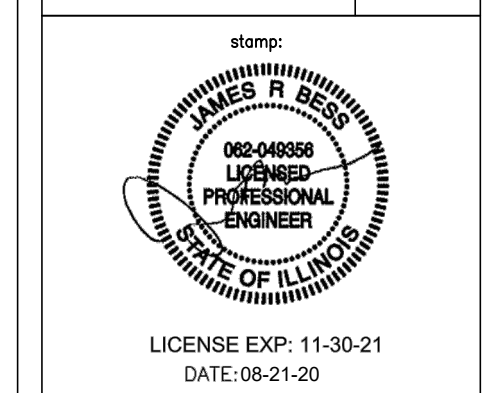
drawing: electrical power demolition plan

project:
Northbrook Public Library
1201 Cedar Ln,
Northbrook, IL 60062

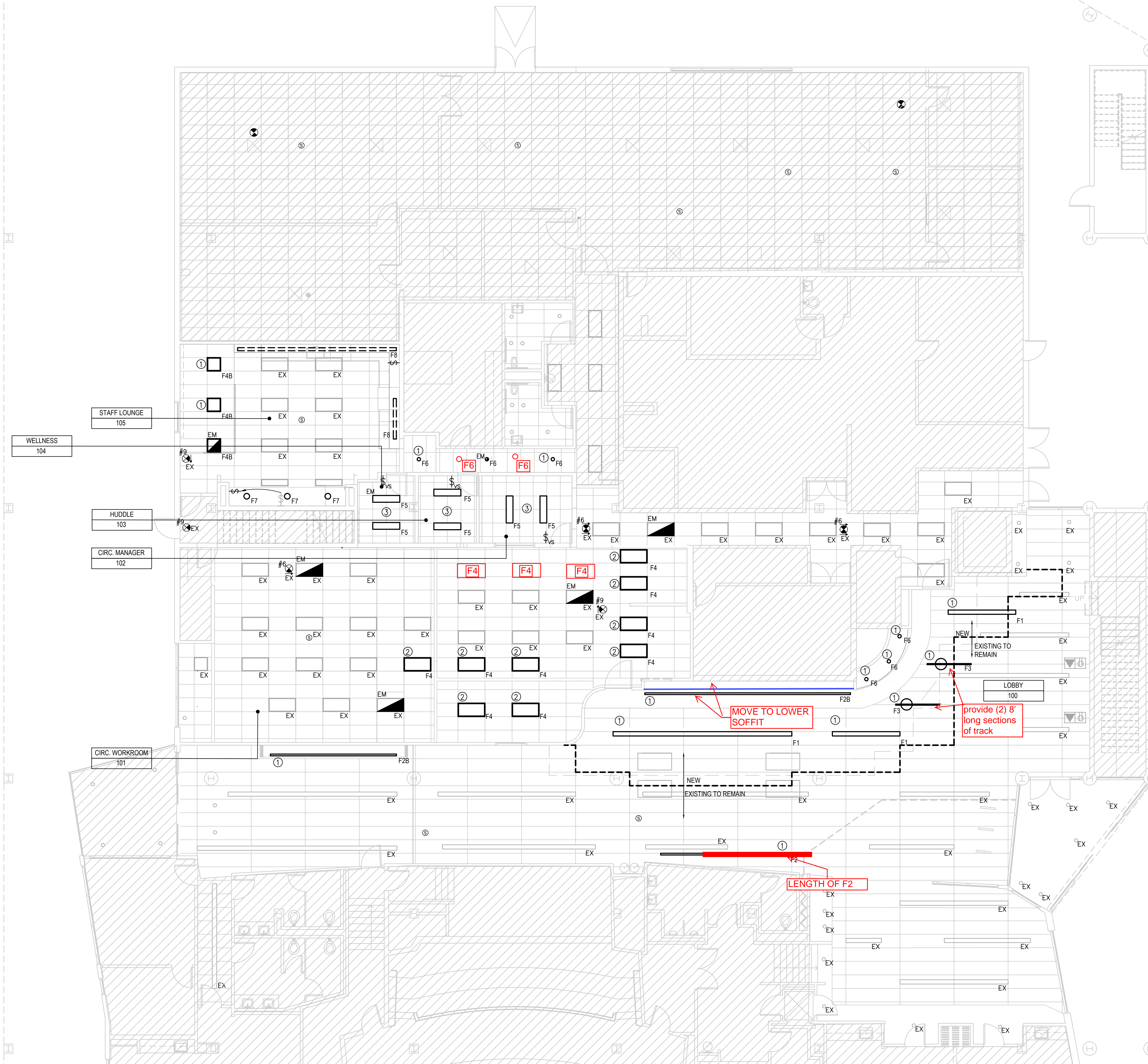
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drawing scale:	1'-0"=xxx
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ELECTRICAL LIGHTING PLAN NOTES:

1. CONNECT ALL LIGHT FIXTURES TO EXISTING EXISTING CIRCUITS MADE AVAILABLE DURING DEMOLITION.
2. CONNECT ALL EXIT SIGNS TO LOCK-OUT BREAKER IN EXISTING LIGHTING PANEL.
3. CONNECT NIGHT LIGHTS (NL) AND BATTERY LIGHTS TO LIGHTING CIRCUIT IN AREA AHEAD OF LOCAL SWITCHING.
4. RELAMP ALL LIGHT FIXTURES AT THE END OF CONSTRUCTION. AS REQUIRED.
5. LIGHT SWITCHES CONTROL LIGHTS IN THEIR INDIVIDUAL ROOM UNLESS NOTED OTHERWISE.

ELECTRICAL LIGHTING KEYED NOTES:

- ① CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUIT AND CONTROL MADE AVAILABLE DURING DEMOLITION.
- ② EXTEND SWITCH LEG AND NEUTRAL CURRENTLY FEEDING OPEN AREA TO FEED/CONTROL NEW LIGHT FIXTURES.
- ③ CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUIT MADE AVAILABLE DURING DEMOLITION. IF THERE IS ONLY A SWITCHLEG AT THIS LOCATION. EXTEND HOT WIRE TO FEED NEW ROOMS.

LEVITON LIGHTING CONTROL SYMBOLS:

Ⓢ WALL MOUNTED VACANCY SENSOR: OSS-MT

ABBREVIATIONS:

EX EXISTING TO REMAIN
N NEW

1 electrical lighting floor plan
scale: 1/8" = 1'-0"

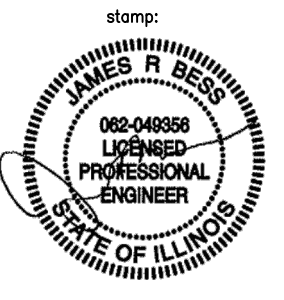
drawing: electrical lighting plan

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ELECTRICAL POWER NOTES:

- CONNECT ALL POWER CIRCUITS TO NEW PANEL LP-1F UNLESS NOTED OTHERWISE.
- FLOOR BOXES SHALL BE WIREMOLD RFB SERIES FLOOR BOX FOR CONCRETE, OR APPROVED EQUAL.

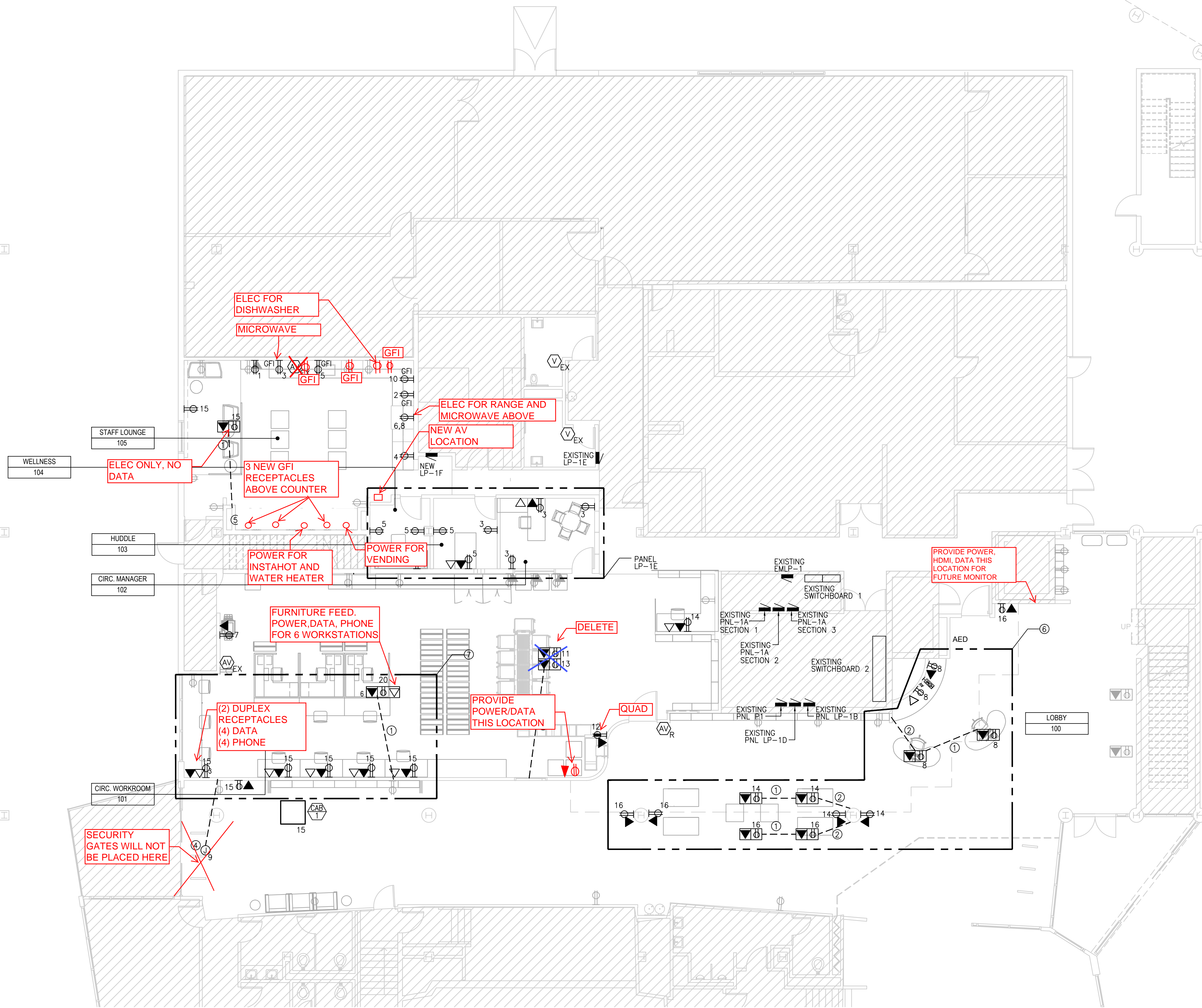
ELECTRICAL POWER KEYED NOTES:

- PROVIDE (1) 3/4" CONDUIT FOR POWER AND (1) 1" CONDUIT FOR DATA IN FLOOR TRENCH.
- PROVIDE (1) 3/4" CONDUIT FOR POWER AND (1) 1 1/4" CONDUIT FOR DATA IN FLOOR TRENCH.
- PROVIDE (1) 3/4" CONDUIT FOR POWER AND (1) 2" CONDUIT FOR DATA IN FLOOR TRENCH.
- RE-INSTALL ELECTRICAL FEED TO RELOCATED SECURITY GATES AT END OF CONSTRUCTION. COORDINATE WITH ARCHITECT.
- VERIFY IF EXISTING OUTLET IF FED BY A DEDICATED 20AMP CIRCUIT BREAKER. IF NOT, REWIRE AVAILABLE OUTLET TO NEW 20AM CIRCUITS TO FEED NEW COFFEE MAKER AND WATER COOLER.
- CONNECT OUTLETS IN THIS AREA TO EXISTING CIRCUITS MADE AVAILABLE DURING DEMOLITION, LOCATED IN PANEL LP-1D.

PANELBOARD SCHEDULE		Main Type: MLO		Bus Amps: 125 Amps	
Designation: LP-1F		Voltage: 208/120V, 3PH, 4W		Fed From:	

Ckt No.	Load Description	Load A	Load B	Load C	C/B Size	C/B Size	Load A	Load B	Load C	Load Description	Ckt No.
1	Fridge	1100			20A	20A	1100			Fridge	2
3	Microwave		1100		20A	20A		1100		Microwave	4
5	Dishwasher			1100	20A	40A			2500	Electric Range	6
7	Copier	1200			20A	2P	2500			"	8
9	Relocated Gates		1200		30A	20A		750		Insta - Hot	10
11	Material Handler			1200	30A	20A			1200	Material Handler	12
13	Material Handler	1200			30A	20A	0			Spare	14
15	General Recept				20A	20A		0		Spare	16
17	Spare				20A	20A			0	Spare	18
19	Spare	0			20A	20A	0			Spare	20
21	Spare		0		20A	20A		0		Spare	22
23	Spare			0	20A	20A			0	Spare	24
25	Spare	0			20A	20A	0			Spare	26
27	Spare			0	20A	20A			0	Spare	28
29	Spare				20A	20A			0	Spare	30
31	Spare	0			20A	20A	0			Spare	32
33	Spare		0		20A	20A			0	Spare	34
35	Spare			0	20A	20A			0	Spare	36
37	Spare	0			20A	20A	0			Spare	38
39	Spare			0	20A	20A			0	Spare	40
41	Spare				20A	20A			0	Spare	42
Total:		3500	3740	2300			3600	1850	3700		

Total Phase A: 7100 Watts Panel Total: 19 kVA
 Total Phase B: 5590 Watts Demand Total: 19 kVA
 Total Phase C: 6000 Watts Demand: 52 Amps



1 electrical power floor plan
 scale: 1/8" = 1'-0"

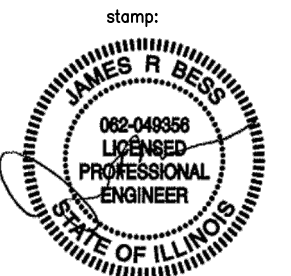
drawing: electrical power plan

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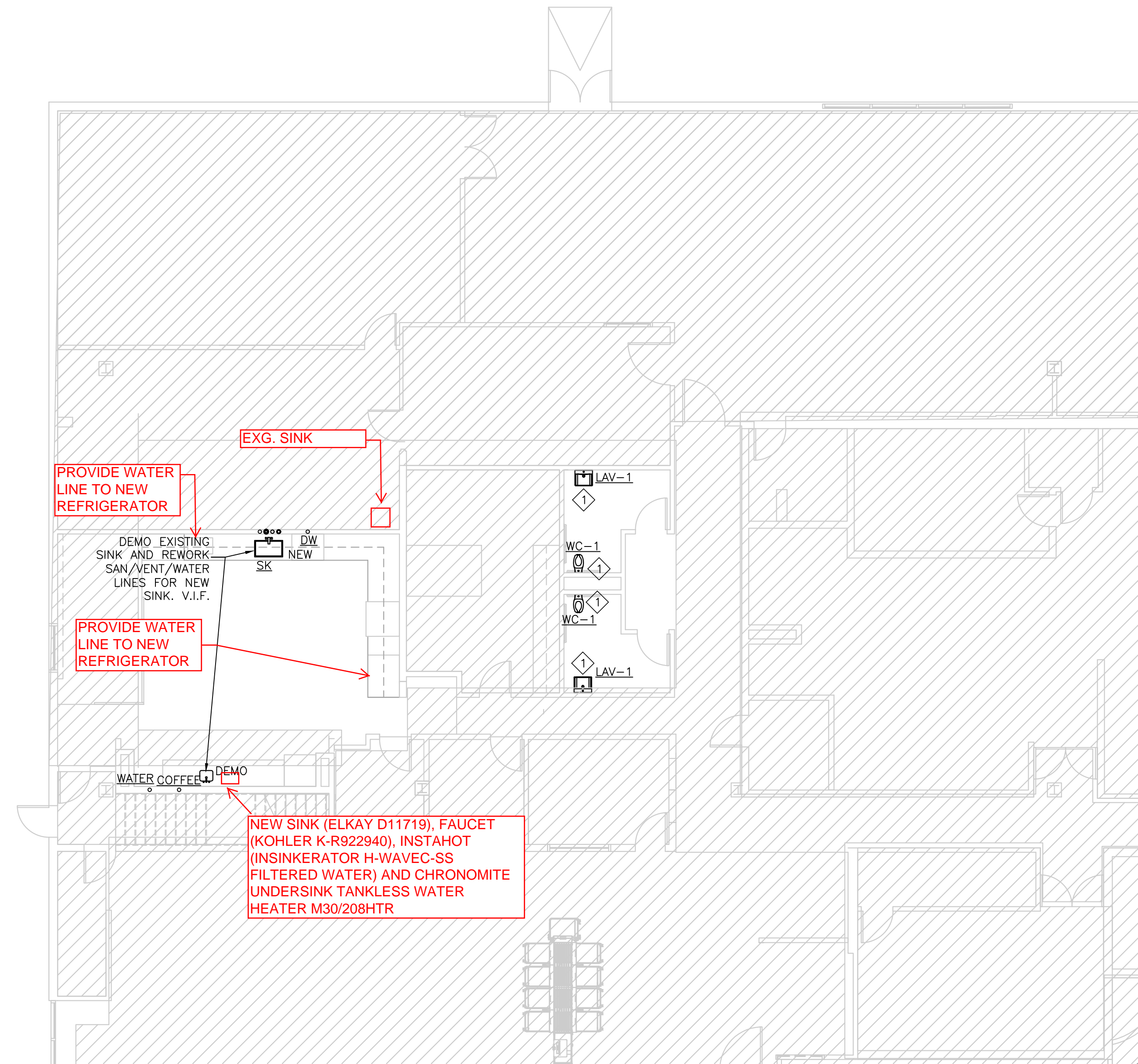
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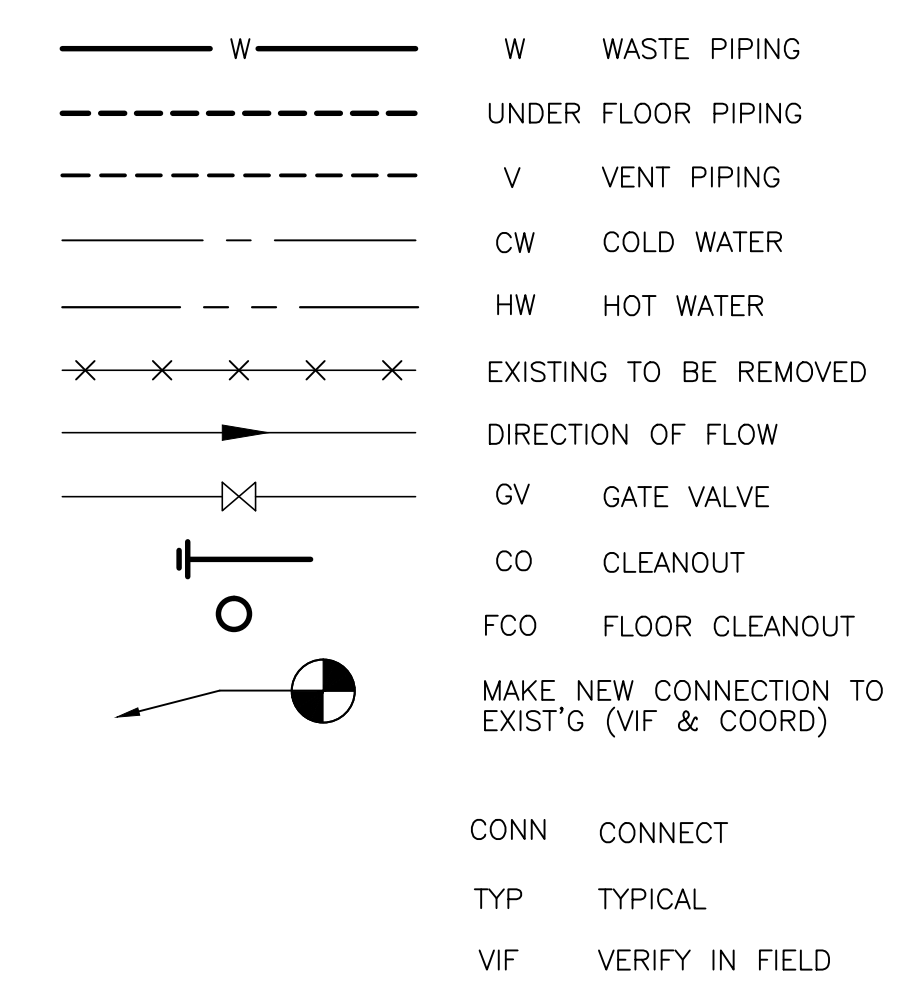


1 plumbin floor plan
Scale: 1/8" = 1'-0"

PLUMBING SPECIFICATIONS AND GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND VERIFYING ALL EXISTING FIELD CONDITIONS PRIOR TO SUBMISSION OF HIS BID. THE CONTRACT DOCUMENTS INDICATE APPROXIMATE LOCATION OF EXISTING PIPING AND ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE ACTUAL LOCATION AND ROUTING OF EXISTING PIPES.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF ALL OTHER TRADES AND MAKING ANY NECESSARY MODIFICATIONS TO HIS WORK AT NO ADDITIONAL COST, INCLUDING ALL OFFSETS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OF ANY EXISTING MINOR INTERFERENCES, INCLUDING CONDUIT, HANGERS, ETC., AT NO ADDITIONAL COST.
- CONTRACTOR SHALL REMOVE EXISTING EQUIPMENT AND MATERIALS PERTAINING TO HIS CONTRACT AS SPECIFIED OR AS REQUIRED WHETHER SHOWN ON THE DRAWINGS OR NOT, TO PREPARE FOR THE NEW WORK.
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL CODES. THESE WORKMANSHIP WHERE REQUIRED BY THESE DOCUMENTS. PROVIDE ALL TESTS REQUIRED BY LOCAL CODES.
- ALL PERMITS, FEES, LICENSES, APPROVALS AND OTHER ARRANGEMENTS FOR WORK SHALL BE OBTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- SUBMIT ASSEMBLED PRINTED INSTRUCTIONS FOR THE OPERATION AND MAINTENANCE OF EACH ITEM INSTALLED ALONG WITH EQUIPMENT CUTS AND CONTROL WIRING DIAGRAMS.
- SUBMIT COORDINATED SHOP DRAWINGS FOR REVIEW. THE SHOP DRAWINGS SHALL INDICATE DUCT, DIFFUSER AND THERMOSTAT LOCATIONS AND MUST BE SUBMITTED PRIOR TO FABRICATION AND INSTALLATION.
- SUBMIT EQUIPMENT SPECIFICATIONS FOR EACH ITEM FOR REVIEW BEFORE PURCHASE.
- CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIAL FOR ONE YEAR AFTER COMPLETION AGAINST ALL DEFECTS OF MATERIAL, EQUIPMENT AND WORKMANSHIP.
- PROVIDE COMPETENT OPERATING TECHNICIAN TO INSTRUCT THE OWNER IN THE OPERATION AND MAINTENANCE OF THE INSTALLED EQUIPMENT.
- PROVIDE ACCESS PANELS FOR ALL VALVES OR ANY PIECE OF EQUIPMENT LOCATED ABOVE NON-ACCESSIBLE CEILINGS. NO EQUIPMENT SHALL BE LOCATED DIRECTLY ABOVE WALLS.
- PROVIDE ALL HOLES, SLEEVES AND CAULKING FOR INSTALLATION OF THIS WORK. CAULKING TO CONFORM TO FIRE RATING OF WALLS.
- PIPING SHALL BE ABOVE CEILING AND CLEAR ANY EXISTING PIPING, LIGHTING FIXTURES, DUCTS, ETC.
- RUN NEW WASTE PIPES AS CLOSE AS POSSIBLE TO UNDERSIDE OF FLOOR SLAB (PITCH 1/4" PER FOOT) AND VENT PIPING AS CLOSE AS POSSIBLE TO THE SLAB ABOVE.
- DISRUPTION OF ANY EXISTING SERVICE SHALL BE COORDINATED WITH THE OWNER AND SHALL BE PERFORMED AT A TIME AND MANNER SO AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE.
- FOR EXACT LOCATION OF PLUMBING FIXTURES, REFER TO ARCHITECTURAL PLANS AND ELEVATIONS.
- INSULATION: DOMESTIC HOT AND COLD WATER PIPING SHALL BE INSULATED WITH 1" THICK 4# DENSITY, GLASS FIBER PREFORMED, ALL PURPOSE FLAME RETARDANT JACKET WITH BUILT IN VAPOR BARRIER.
- PLUMBING MATERIALS AND ACCESSORIES:
 - SUSPENDED WASTE AND VENT PIPING:
3" AND LARGER - SERVICE WEIGHT HUB AND SPIGOT CAST IRON PIPE.
2" AND SMALLER - STANDARD WEIGHT TYPE M COPPER
 - INTERIOR HOT AND COLD WATER DISTRIBUTION PIPING:
4" AND LARGER - SCHEDULE 40 GALVANIZED STEEL PIPE,
3" AND SMALLER - TYPE L HARD DRAWN COPPER TUBING
 - BALL VALVES FOR SHUT OFFS SHALL BE AS MANUFACTURED BY MILWAUKEE, CRANE AND APOLLO. NO KETSTONE OR NIBCO VALVES ALLOWED.
 - FUNNEL FLOOR DRAIN SHALL BE "J.R.SMITH" #2010-AP, CAST IRON BODY DEEP SEAL TRAP, STAINER WITH ADJUSTABLE HEAD AND #3580, 4"FUNNEL. PROVIDE TRAP PRIMER CONNECTION.
 - NOT USED
- PLUMBING FIXTURES:
 - FURNISH AND INSTALL PLUMBING FIXTURES INDICATED. FIXTURES TO BE FIRST QUALITY, CONNECTED, CLEANED AND READY FOR USE. PROVIDE WOOD BACKING, PROPERLY SECURED TO WALLS AND FLOORS.
 - PROVIDE TRAPS AND SUPPLIES WITH STOPS. MAKE ALL FINAL CONNECTION TO EACH FIXTURE, FAUCET, TAILPIECE, SINK FRAMES, ECT. FOR ALL FIXTURES.
- HANGERS:
 - PIPE HANGERS ON HOT PIPING TO BE ON INSIDE OF INSULATION.
 - PIPE HANGERS ON COLD PIPING TO BE ON OUTSIDE OF INSULATION.

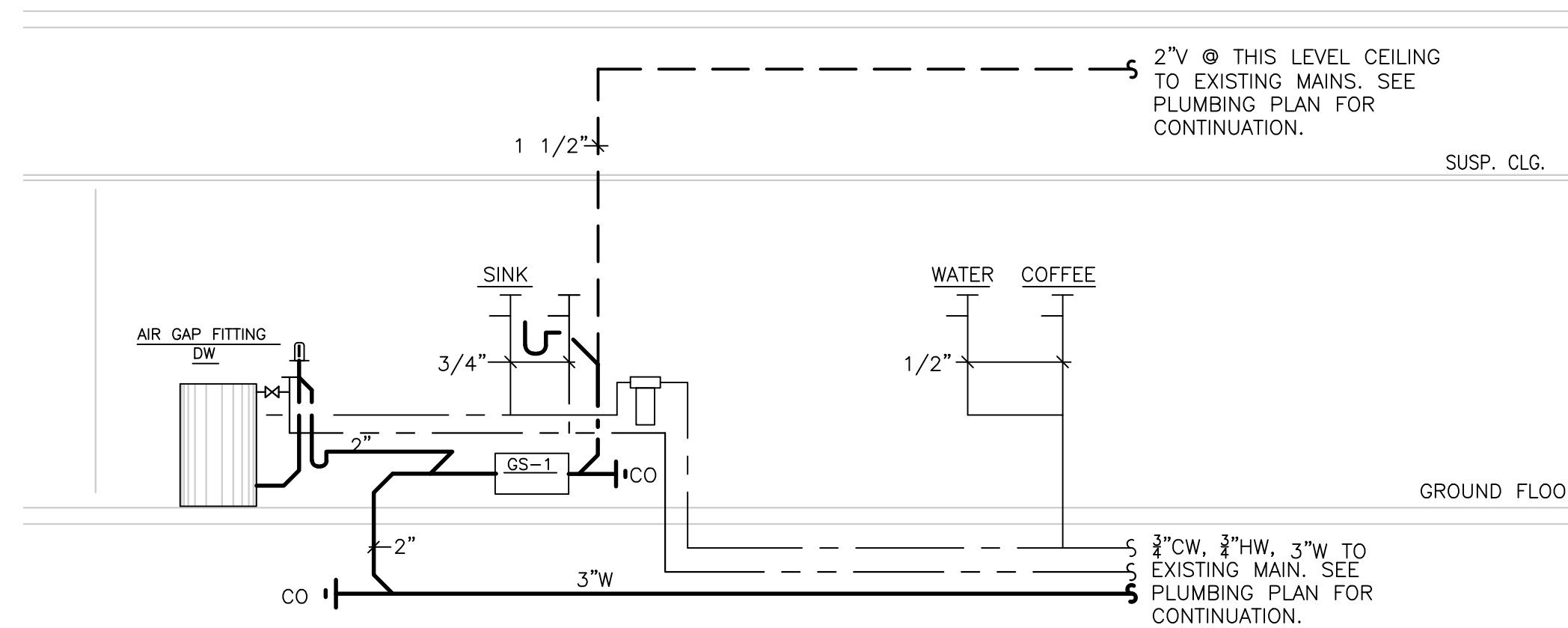
PLUMBING SYMBOLS:



PLUMBING KEYED NOTES

- REWORK PLUMBING PIPING FOR NEW FIXTURES IN EXISTING LOCATIONS.

PLUMBING FIXTURE SCHEDULE						
TAG	DESCRIPTION	COMPONENT	MANUFACTURER	MODEL	FINISH	NOTES
WC-1	WATER CLOSET	WATER CLOSET	AMERICAN STANDARD	3351.101	WHITE/CHROME	
		FLUSH VALVE	AMERICAN STANDARD	6065.121	POL. CHROME	
		SINGLE BOWL	AMERICAN STANDARD	9024.001EC	WHITE	
LAV-1	WALL-HUNG LAVATORY	P-TRAP	---	1 1/4"	POL. CHROME	WITH ESCUTCHEON AND CLEANOUT
		FAUCET	KOHLER	K-13460	POL. CHROME	
		CAST GRID	DEARBORN BRASS	760-1		
		SUPPLIES	TRUEBRO	LAV GUARD 102 E-Z	PVC	PIPE COVER
SK	SINK	SINGLE BOWL DUAL MOUNT	ELKAY	ECTSRAD25226TBG	STAINLESS STEEL	
		STRAINER	---	3 1/2"	STAINLESS STEEL	
		P-TRAP	---	---	PVC	
		FAUCET	KOHLER	K-R22940	POL. CHROME	
SUPPLIES	---	---	---	---	FLEX HOSE SUPPLIES AND POL. CHROME KEY STOPS	



PD 1 RISER DIAGRAM (PANTRY 1207)
NTS

drawing: plumbin plan

project: Northbrook Public Library
1201 Cedar Ln,
Northbrook, IL 60062

project number:	1924
drawn by:	MR
approved by:	TJN
drawing scale:	1'-0"=xxx
date issued:	-

sheet number:
P1.1
sheet ___ of ___