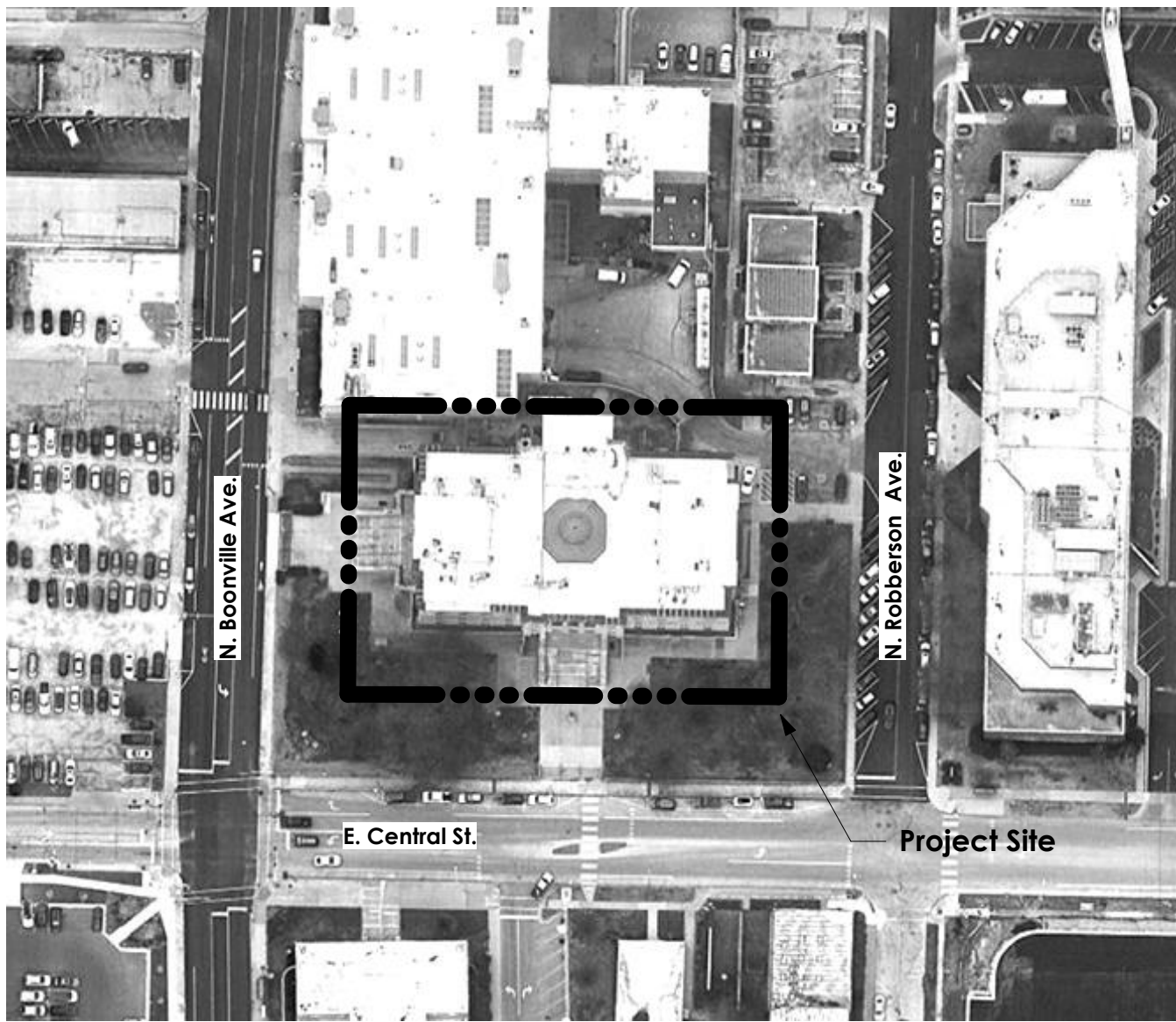




Project Rendering



Project Location Map

Not to Scale

Greene County Historic Courthouse Recorders Office

940 N. Boonville Ave.
Springfield, MO 65802



Greene County Commission:
Bob Dixon
Presiding Commissioner
Rusty MacLachlan
1st District Commissioner
John C Russell
2nd District Commissioner

Greene County Project Team:
Kevin Barnes
Director Resource Management
Rob Rigdon
Senior Project Manager
Franz Williams
Director Building Operations

MEP Engineer:



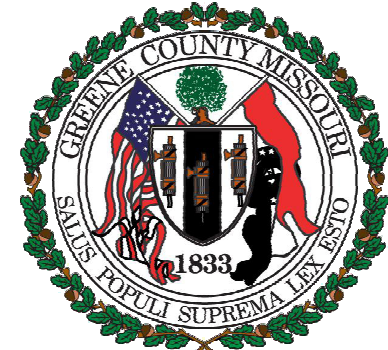
Building Code Data:

Code Edition: 2018 International Building Code
Construction Type: IIB (Existing)
Use Groups: Business: B (No change in occupancy).
Gross Building Area: 4,367 sq ft. (Renovation Area)

Non-Sprinklered

Table of Contents:

ARCHITECTURAL DRAWINGS	
A100	ADA GUIDELINES & ARCHITECTURAL INFORMATION
A101	DEMO PLANS, FLOOR PLANS, RCP & FINISH SCHEDULE
A102	INTERIOR ELEVATIONS, MILLWORK SECTIONS & DETAILS
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ME101	MEP DEMOLITION PLANS
PLUMBING DRAWINGS	
P101	PLUMBING IMPROVMENT PLANS
P201	PLUMBING SPECIFICATIONS
ELECTRICAL DRAWINGS	
E101	ELECTRICAL IMPROVMENT PLANS
E201	ELECTRICAL DETAILS
E301	ELECTRICAL SPECIFICATIONS

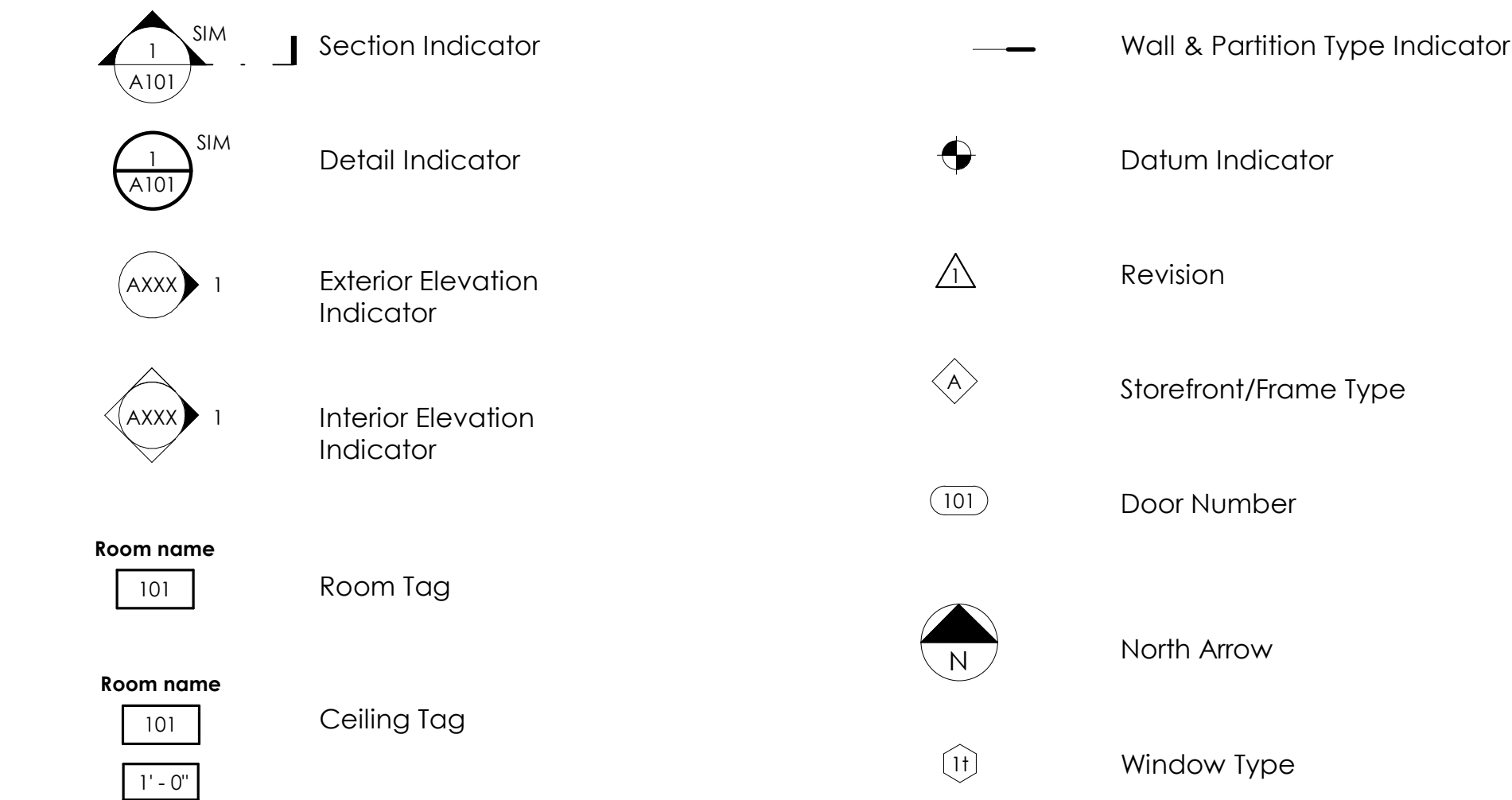


N·FORM
ARCHITECTURE
312 W Commercial St
Springfield, MO 65803
www.nformarc.com
phone: 417.873.2255



CVR

Symbols:



Abbreviations:

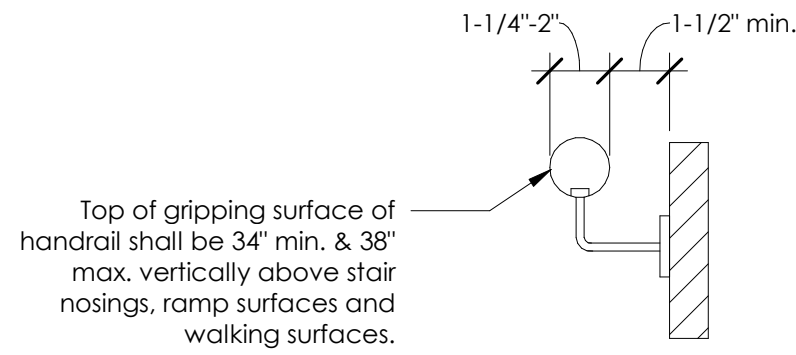
AC	Air Conditioning	DR	Door	LF	Linear Foot	REV	Revision/Reverse
ACT	Acoustical Ceiling Tile	DWG	Drawing	LTG	Lighting	RM	Room
ADJ	Adjustable/Adjacent	EA	Each	MAI	Material	RO	Rough Opening
AF	Above Finished Floor	ELE	Elevation	MAX	Maximum	SCHED	Schedule
ALT	Alternate	ELEC	Electric	MDF	Medium Density Fiberboard	SCW	Solid Core Wood
ALUM	Aluminum	EQ	Equal	MECH	Mechanical	SD	Soap Dispenser
ANOD	Anodized	EXIST	Existing	MED	Medium	SEAL	Sealant
APPROX	Approximately	FE	Fire Extinguisher	MFR	Manufacturer	SECT	Section
ARCH	Architectural	FIN	Finish	MISC	Miscellaneous	SIM	Similar
@	At	FLR	Floor	MO	Masonry Opening	SM	Sheet Metal
BLDG	Building	FOIC	Furnished by Owner Installed by Contractor	MTD	Mounted	SND	Sanitary Napkin Dispenser
BLK'G	Blocking	FT	Foot/Feet	MTL	Metal	SQ	Square
BM	Beam	FURN	Furnish	N	North	STD	Standard
CAB	Cabinet	FV	Field Verify	N/A	Not Applicable	STL	Steel
CLR	Clear or Clearance	GA	Gauge	NO	Number	STG	Storage
CLG	Ceiling	GALV	Galvanized	NOM	Nominal	SUSP	Suspended
CL	Centerline	GL	Glass/Glazing	NON COMB	Non Combustible	TEL	Telephone
CMU	Concrete Masonry Unit	GYP BD	Gypsum Wall Board	NTS	Not To Scale	T	Tempered
COL	Column	HDW	Hardware	OC	On Center	TPD	Toilet Paper Dispenser
CONC	Concrete	HOR	Horizontal	OD	Outside Diameter	TYP	Typical
CONST	Construction	HM	Hollow Metal	OFCI	Owner Furnished & Contractor Installed	UNO	Unless Noted Otherwise
CONT	Continuous	HT	Height	OFOI	Owner Furnished & Installed	VAR	Varies
CONTR	Contractor	HVAC	Heating, Ventilation, Air Conditioning	OPNG	Opening	VCT	Vinyl Composition Tile
COORD	Coordinate	IN	Inch	OPP	Opposite	VEN	Veneer
CPT	Carpet	INSUL	Insulation	P.LAM	Plastic Laminate	VERT	Vertical
DET	Detail	INSTL	Installation	PLWD	Plywood	W/	With
DIA	Diameter	JB	Junction Box	PR	Pair	WD	Wood
DIM	Dimension	JT	Joint	PT	Paint	WR	Waste Receptacle
DN	Down	LAM	Laminate	RCP	Reflected Ceiling Plan		
				REFR	Refrigerator		
				REINF	Reinforcing		

ADA Guidelines & Standards:

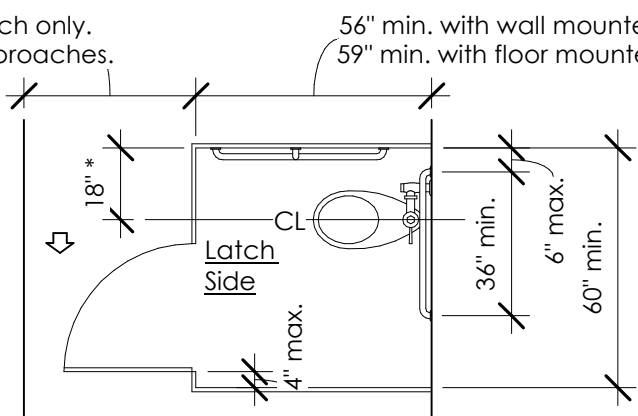
General Notes

- This drawing is intended to be used as a guide for constructability purposes only. The American with Disabilities Act, current edition, (the ADA) is federal law and may not be circumvented under any circumstances by the Architect, Contractor or the Owner. All parties shall be knowledgeable of the requirements and the liabilities associated with those requirements.
- These drawings and details identify some but not all of the requirements of the ADA. Each detail may be used for the general layout of the structure and architectural entities of the design but the actual architectural dimensions, layout, mechanical and accessories layout in this set of documents take precedence. If there is a conflict between the drawing set and this drawing, notify the Architect immediately.
- The Contractor and/or Subcontractor shall verify the requirements of the project and be responsible for the implementation of ADA procedures for the project. Proceeding with construction shall constitute acceptance of conditions and acceptance of the current status as approvable under the ADA.
- The Contractor and/or Sub-contractor shall verify the most restrictive guidelines for a specific project. If local rules are more restrictive, the most restrictive rules shall apply.
- Refer to the civil drawings for ADA standards that take place outside the building envelope.
- All building entrances and means of egress shall be accessible and conform to 4.1.3 of the ADA.
- 4.1.3.10.b Where more than one drinking fountain or water cooler is provided on a floor, 50% of those provided shall comply with 4.1.5 and shall be on an accessible route.
- 4.1.3.12 If fixed or built-in storage facilities such as cabinets, shelves, closets, and drawers are provided in accessible spaces, at least one of each type provided shall contain storage space complying with 4.25. Additional storage may be provided outside of the dimensions required by 4.25.
- 4.1.3.14 If emergency warning systems are provided, then they shall include both audible alarms and visual alarms complying with 4.28.
- 4.1.3.16 Building signs which designate permanent rooms and spaces shall comply with 4.30.1, 4.30.2, 4.30.5 and 4.30.6, other signs which provide direction to or information about functional spaces of the building shall comply with 4.30.1, 4.30.2, 4.30.3 and 4.30.5.
- 4.3.7 An accessible route with a running slope greater than 1:20 is a ramp and shall comply with 4.8. Nowhere shall the cross slope of an accessible route exceed 1:50.
- 4.5.2 Changes in levels along an accessible route shall comply with 4.5.2. If an accessible route has changes in level greater than 1/2", then a curb ramp, ramp, elevator or platform lift shall be provided that complies with 4.7, 4.8, 4.10, or 4.11. [An accessible route does not include stairs, steps or escalators.]

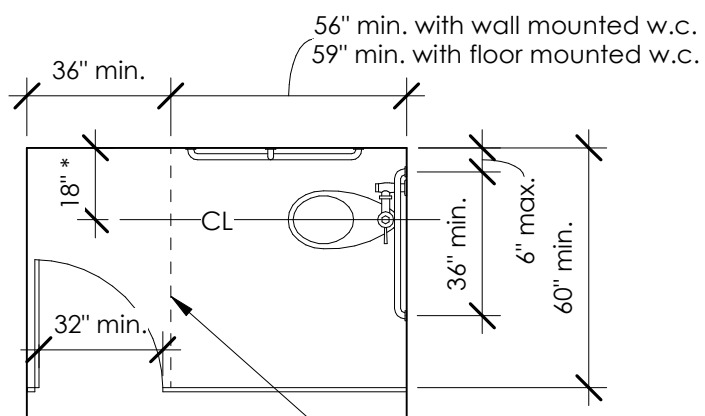
- 4.4.1 Under no circumstances, shall an object anywhere in the accessible portion of the building, project more than 4" from an adjacent wall, between the heights of 27" and 80" above the finish floor.
- 4.4.2 Head room. Walks, halls, corridors, passageways, aisles, or other circulation spaces shall have 80 inches minimum clear head room.
- 4.5.3 Carpet. If carpet or carpet tile is used on a ground or floor surface, then it shall be securely attached, have a firm cushion, pad or backing, or no cushion or pad; and have a level loop, textured loop, level cut pile, or level cut/ uncut pile texture. The maximum pile thickness shall be 1/2 inch. Exposed edges of carpet shall be fastened to floor surfaces and have trim along the entire length of the exposed edge. Carpet edge trim shall comply with 4.5.2.
- 4.13 Doors. Doorways shall have a clear width of 32" when the door is opened 90 degrees. Where two doors are in series, the minimum space between the edge of the open doors on the interior and the face of the closed doors on the exterior building envelope shall be 4'-0". Thresholds at doors shall not exceed 1/2" in height. All hardware shall have levers, push-type mechanisms or u-shaped handles. If a closer is used, then the sweep period of the closer shall be adjusted so that from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches from the latch, measured to the leading edge of the door. The maximum force for pushing or pulling open a door shall be as follows; fire doors shall have the minimum opening force allowable by the appropriate administrative facility. Interior hinged doors - 5lb. Automatic doors shall comply with ansi/bhma a156.10-1985. Such doors shall not open to back check faster than 3 seconds and shall require no more than 15 lb to stop door movement.
- 4.17 The height of the water closet in an accessible stall shall be 17 inches to 19 inches, measured to the top of the toilet seat from the finish floor. Toilet paper dispensers that do not allow continuous delivery or controlled delivery are not allowed. In standard stalls there shall be a minimum toe clearance of 9" between the floor and the bottom of the partition on the entry side and at least one side for mobility. Urinals shall be at a maximum of 17" above the finished floor to the top of the front lip of the bowl. Hot water and drain pipes under lavatories shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories.
- 4.32 Fixed or built-in seating and tables. Knee clearance shall be at least 27" high, 30" wide and 19" deep. The tops of counters and tables that are accessible shall be between 28" and 34" above finished floor.



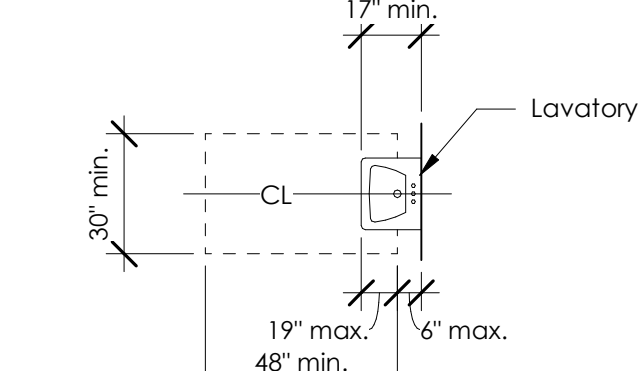
Handrail Clearance & Height
ICC A117.1-2009, Figure 505.7



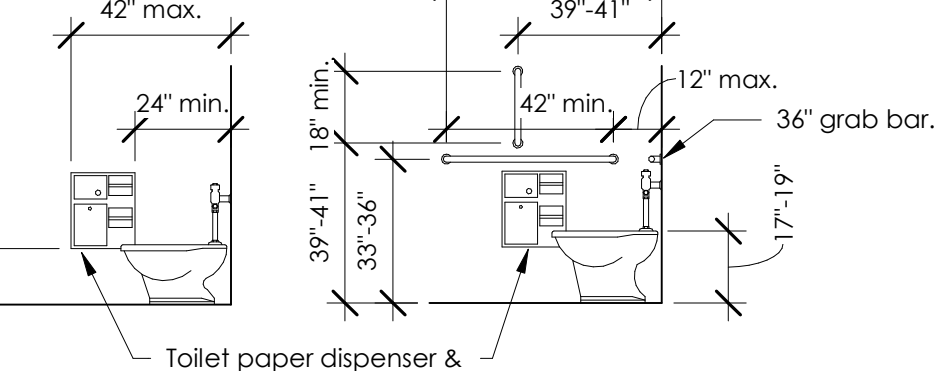
Standard Stall
Figure 30 (a)



Standard Stall (End of Row)
Figure 30 (a-1)

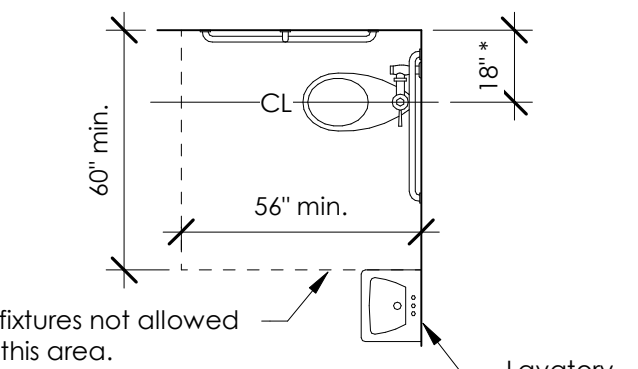


Clear Floor Space at Lavatories
Figure 32

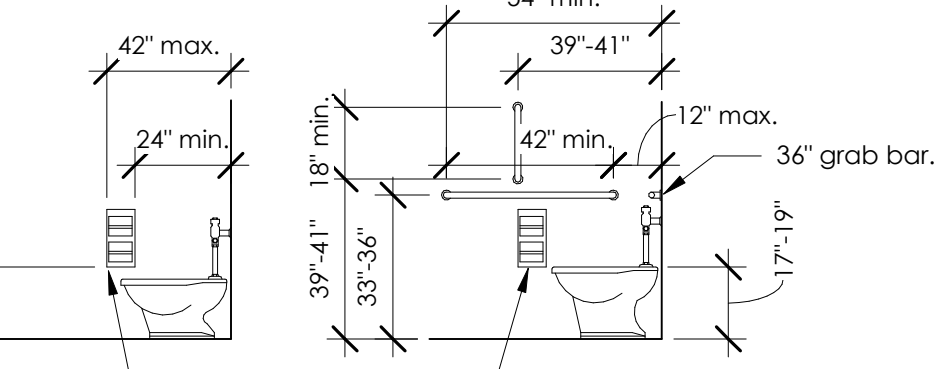


Women's Standard
Figure 604.7

Women's Accessible
Figure 604.5.1

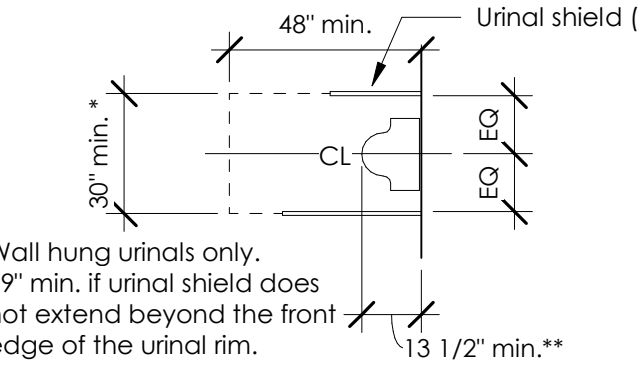


Size of Clearance for Water Closet
Figure 604.3



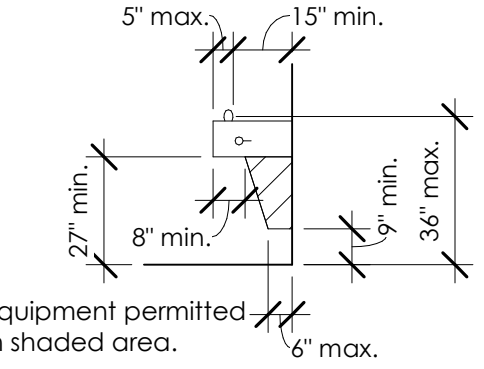
Men's Standard
Figure 604.7

Men's Accessible
Figure 604.5.1

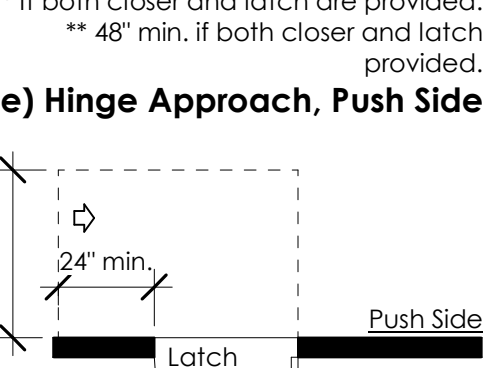
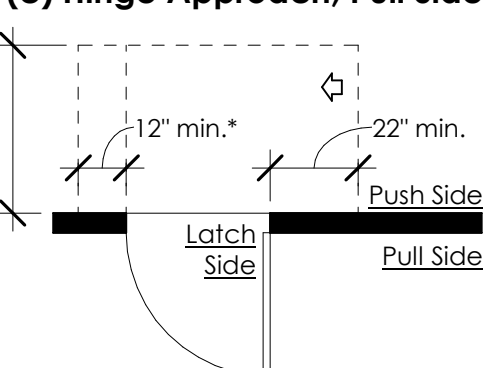
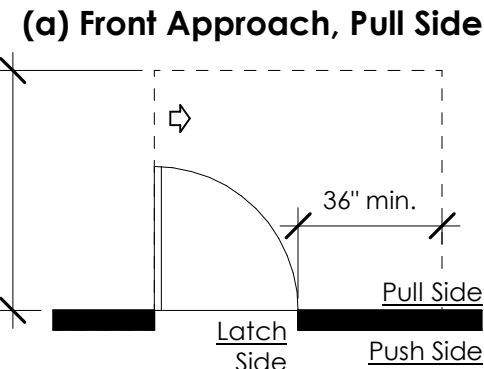
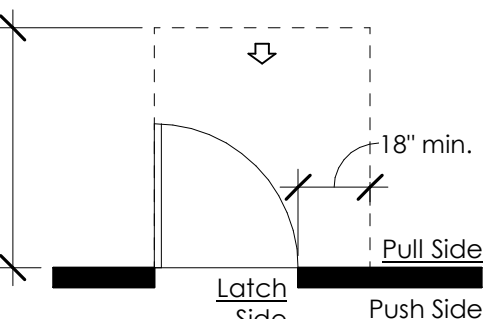


Clear Floor Space at Urinal

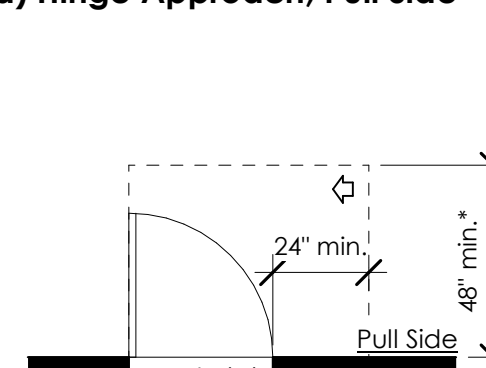
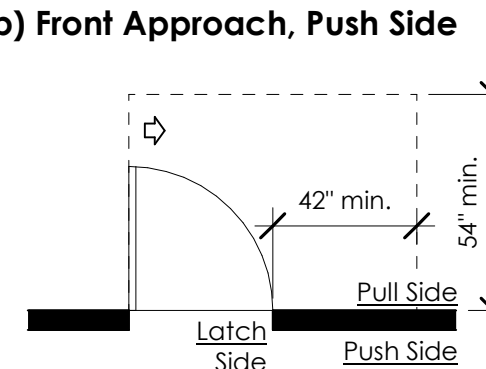
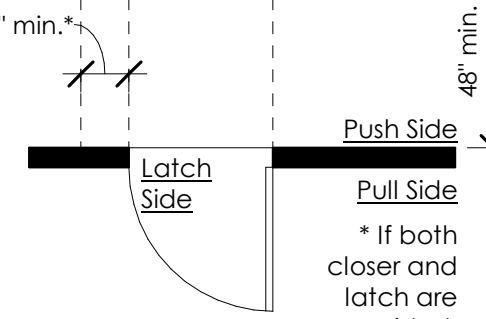
Floor Clearance at Plumbing Fixtures
28 CFR Ch. 1 & ICC A117.1-2009



Drinking Fountain Clearances



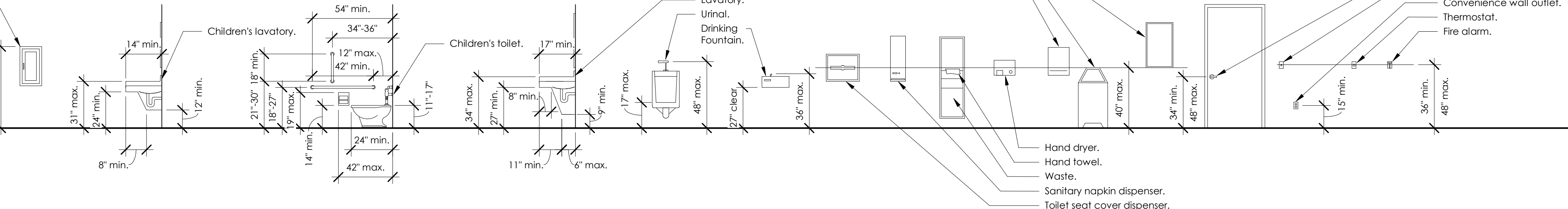
(g) Latch Approach, Push Side

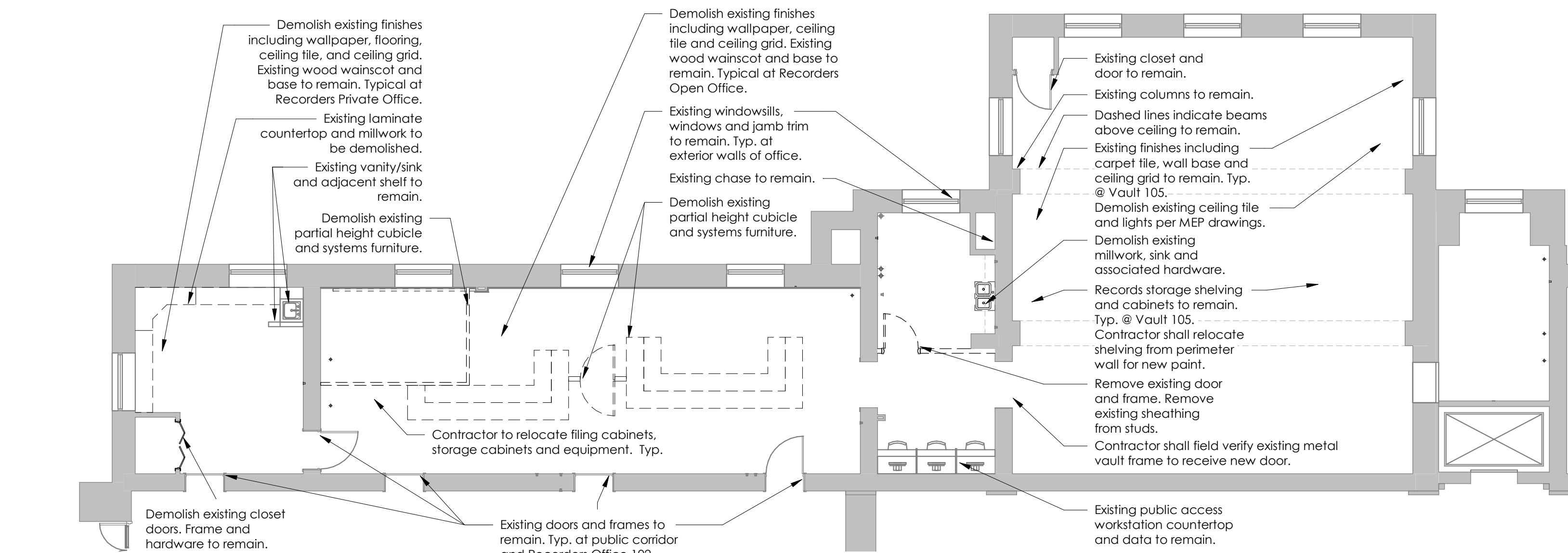


(f) Latch Approach, Pull Side

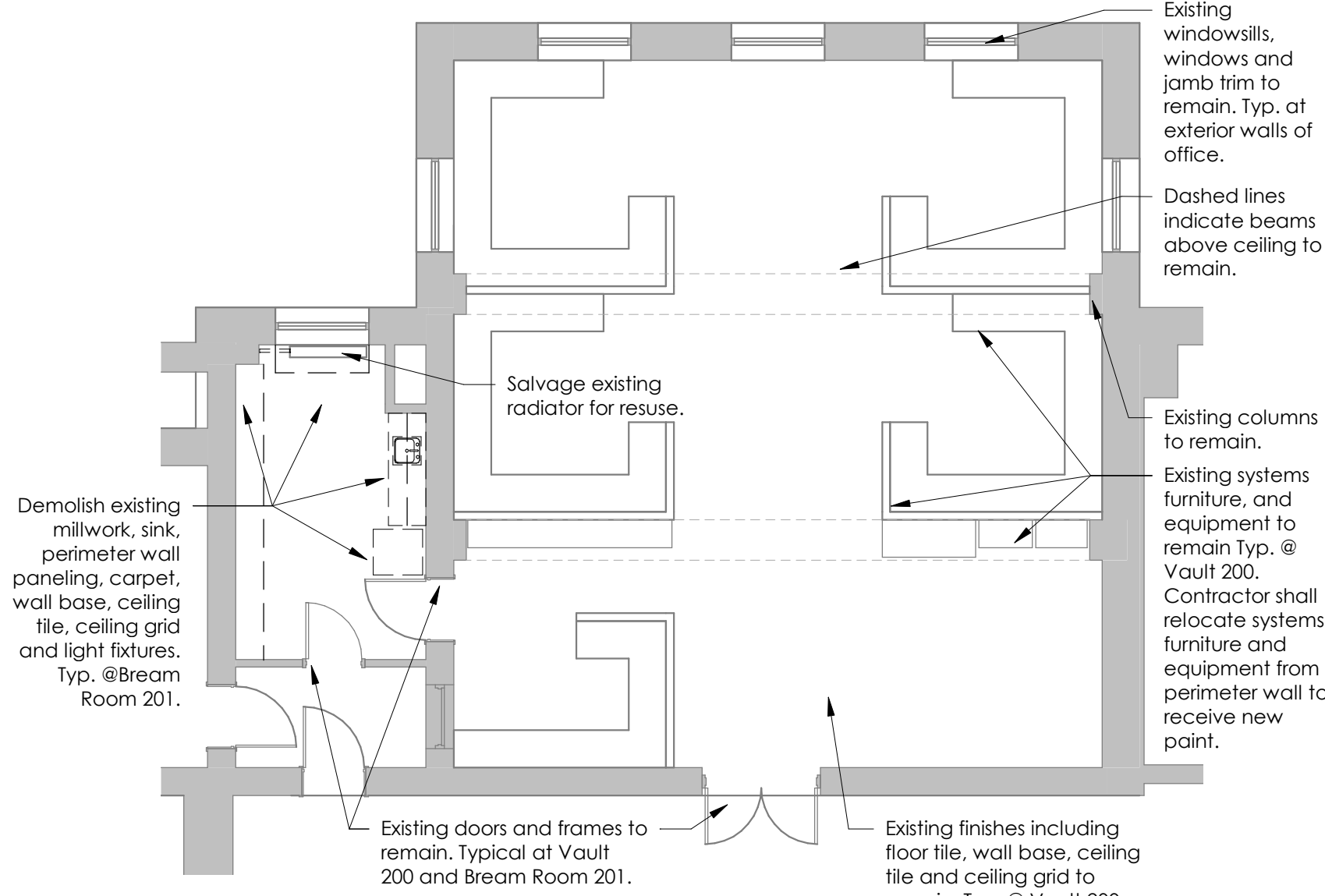
Maneuvering Clearance at Manual Swinging Doors
ICC A117.1-2009, Figure 404.2.3.2

Accessory Mounting Heights for Accessibility
28 CFR Ch. 1 & ICC A117.1-2009

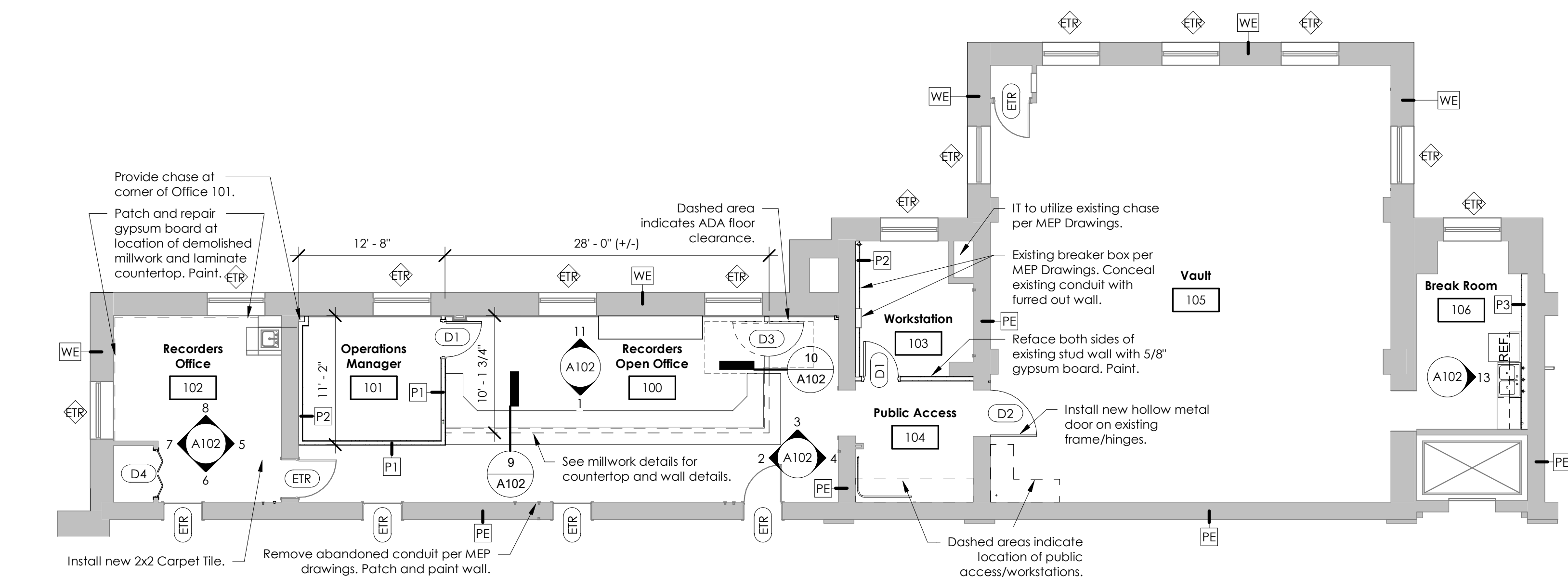




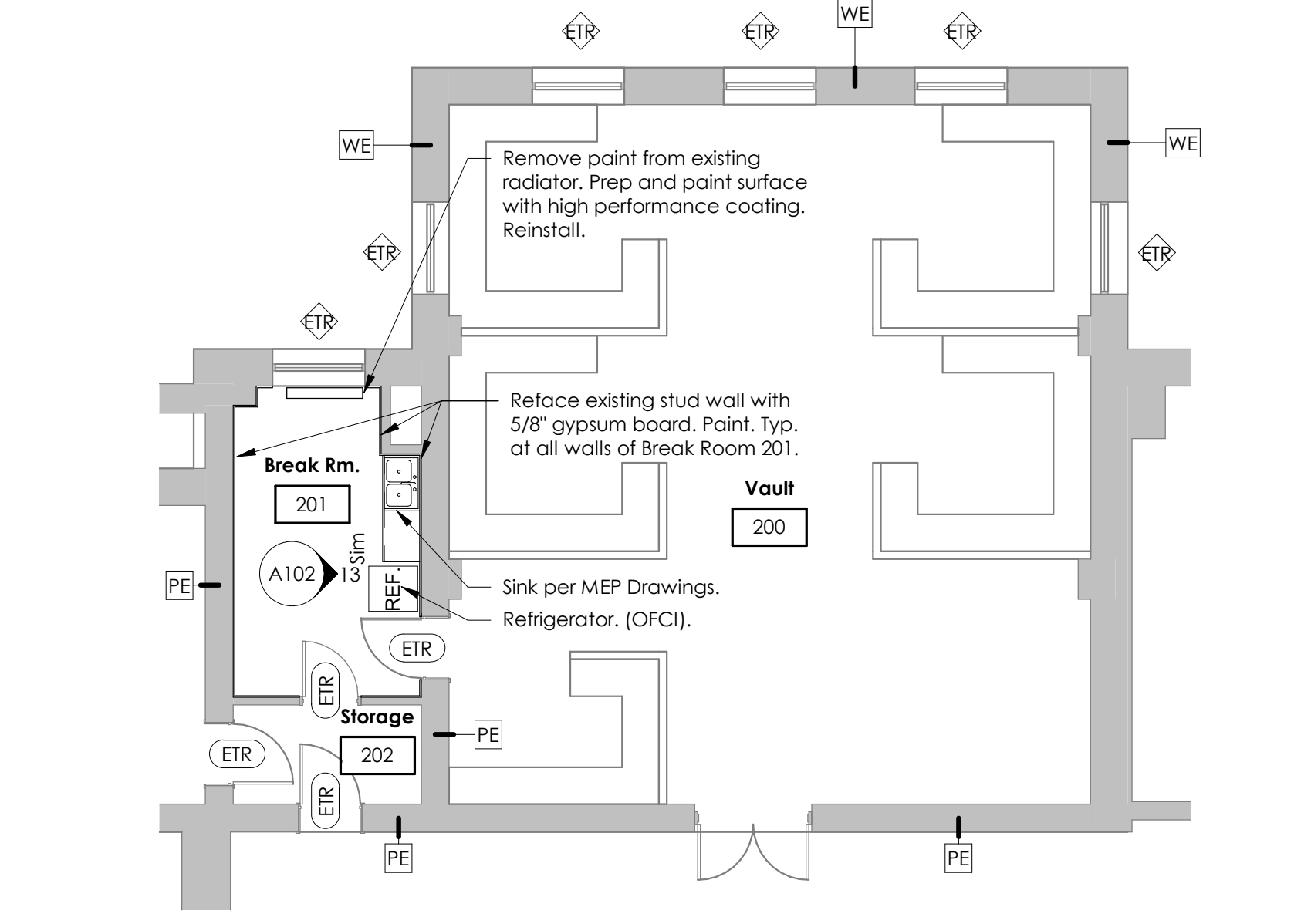
1 First Floor Demolition Plan
1/8" = 1'-0"



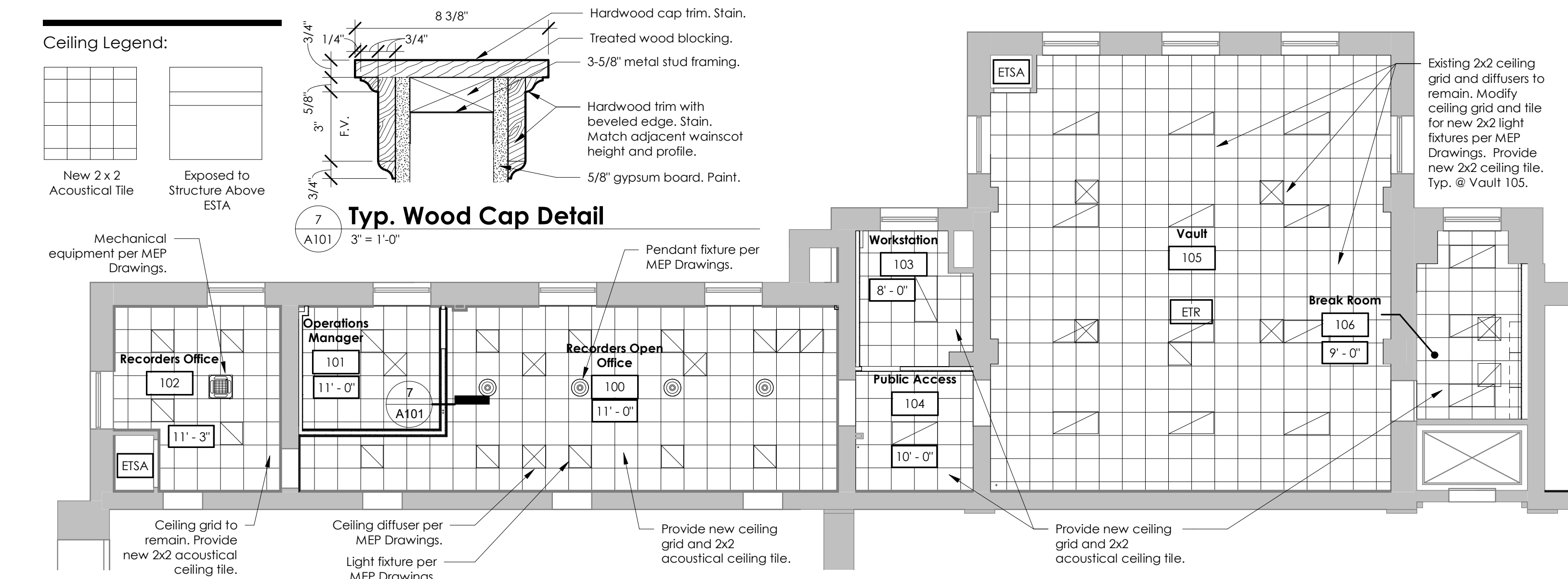
4 Second Floor Demolition Plan
1/8" = 1'-0"



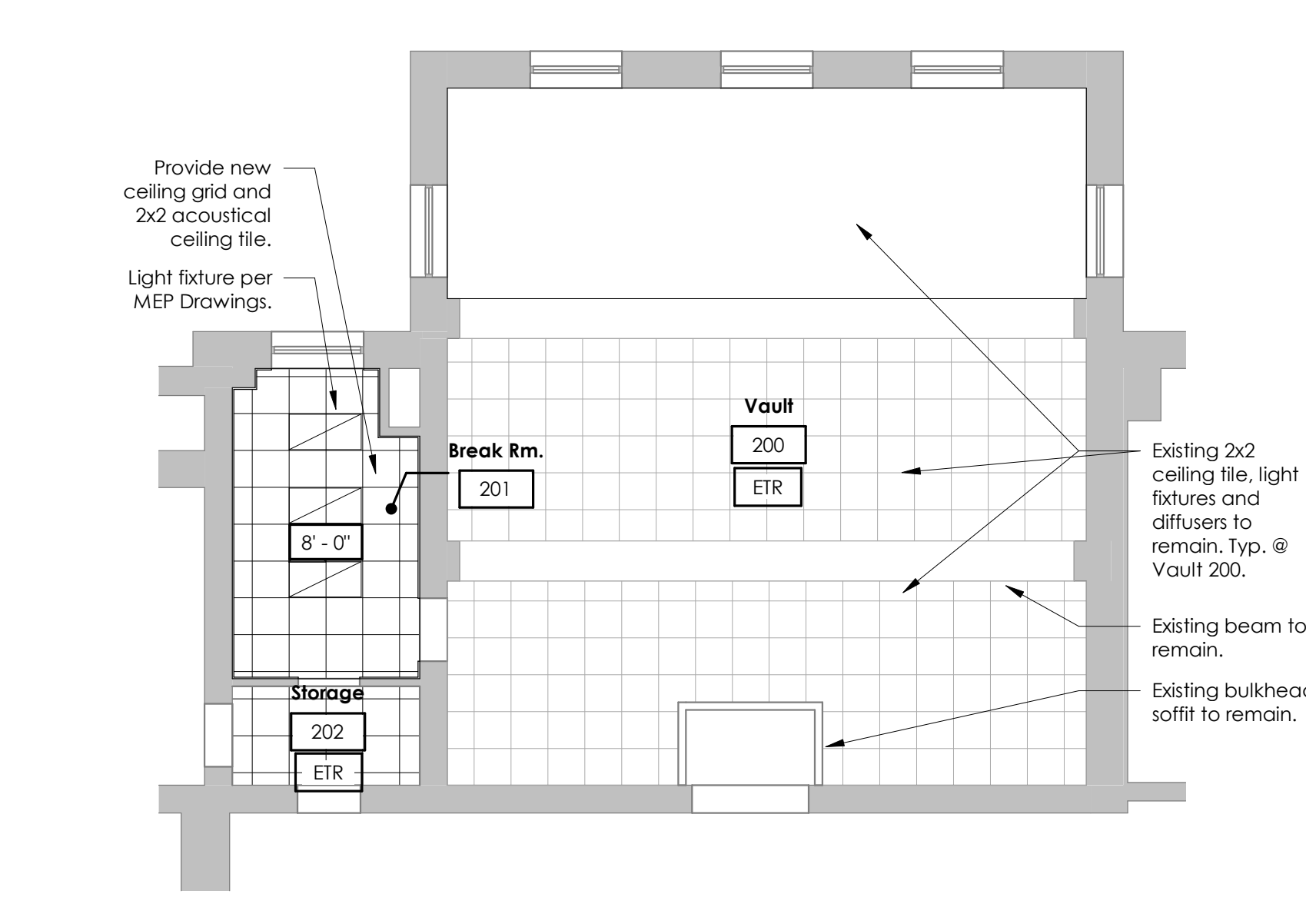
2 First Floor Plan New Construction Plan
1/8" = 1'-0"



5 Second Floor Plan New Construction Plan
1/8" = 1'-0"



3 First Floor Reflected Ceiling Plan
1/8" = 1'-0"



6 Second Floor Reflected Ceiling Plan
1/8" = 1'-0"

General Notes:

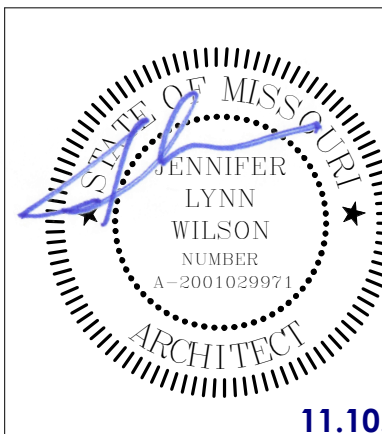
- Contractor is responsible for field verifying existing conditions and providing any demolition required to accommodate new construction. Notify architect if existing conditions deviate from plans.
- Protect existing construction and finishes to remain. Patch and repair all adjacent surfaces to appear consistent following construction.
- Ceiling heights are measured from adjacent finish floor.
- See MEP drawings for lighting and HVAC information.
- Dimensions are to face of stud, face of brick, slab edge or centerline of structure (U.N.O.).
- Provide 18" clear min. on the pull side of the latch side of each door (U.N.O.).
- Provide 4" at jamb of door and adjacent wall (U.N.O.).
- All millwork shall be fabricated per AWI standards.
- All new trim shall match existing trim profile and size.
- Provide grommets at computer workstations. Verify exact locations with Owner, prior to installation.
- Architect shall select from manufacturer's full range of standard colors and stains at solid surface and wood finishes.
- Patch and prep all existing surfaces as required and install finishes per manufacturer's written instructions.
- Manufacturer's listed are Basis of Design; Contractor shall provide Basis of Design or an Approved Equal.
- Contractor shall relocate furniture and equipment prior to demolition and construction.
- Provide flooring transition strips as recommended by flooring manufacturer.
- All wood veneer panels and hardwood trim shall be fire treated with a polyurethane flame retardant clear coat that meets or exceeds a "Class A" finish when applied per manufacturers recommendations. Basis of Design: Flamecheck FIF Clear Coat.

Partition Legend:

- New partition per partition types.
- Existing partition to remain. Paint all exposed gypsum board.
- Partition to be removed.

WALL TYPES		
Type	Fire Rating	Description
WE		Existing plaster and masonry wall to remain.

PARTITION TYPES		
Type	Fire Rating	Description
P1		(1) layer of 5/8" gypsum board both sides of 3-5/8" metal studs @ 16" O.C. Align top of partition with adjacent wood wainscot.
P2		(1) layer of 5/8" gypsum board one side of 3-5/8" metal studs @ 16" O.C. Terminate partition 6" above adjacent ceiling.
P3		(1) layer of 5/8" gypsum board one side of 6" metal studs @ 16" O.C. Terminate partition 6" above adjacent ceiling.
PE		Existing hollow clay tile and plaster wall to remain.



JENNIFER WILSON LICENSE #
A-2001029971
CERTIFICATE OF AUTHORITY #
A-2008010497

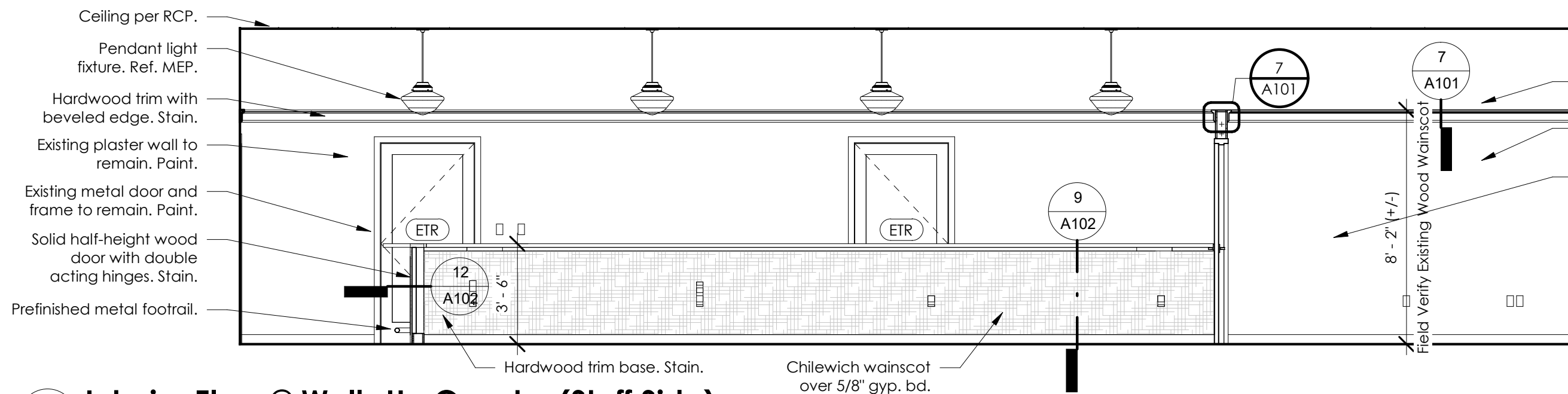
**Greene County Historic
Courthouse Records Office**
940 N. Boonville Ave.
Springfield, MO 65802

11.10.25
GCRO
Drawn By: PLC/JAB
Checked By: JW

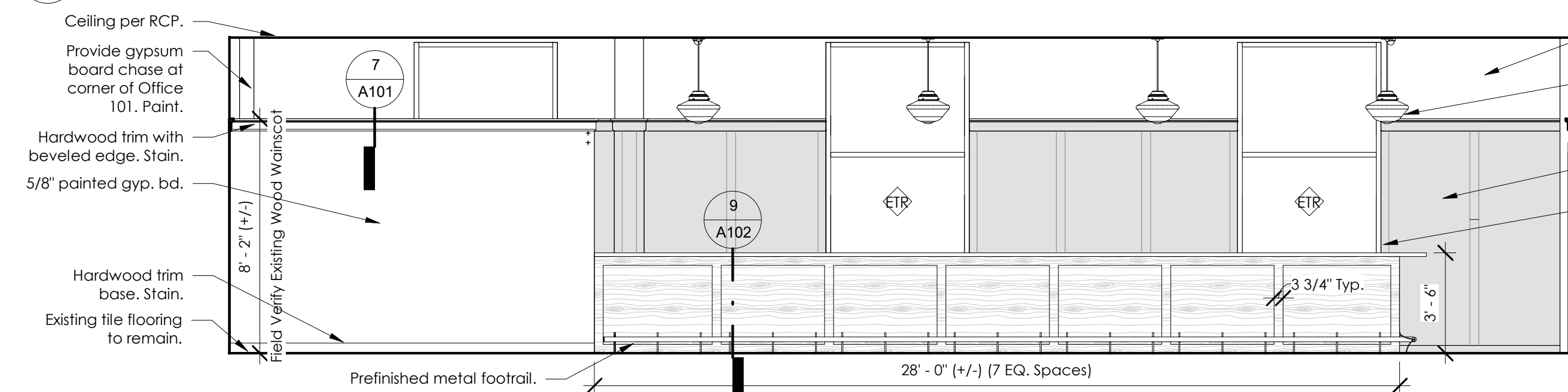
Revisions:

DEMO PLANS,
FLOOR PLANS, RCP
& FINISH SCHEDULE

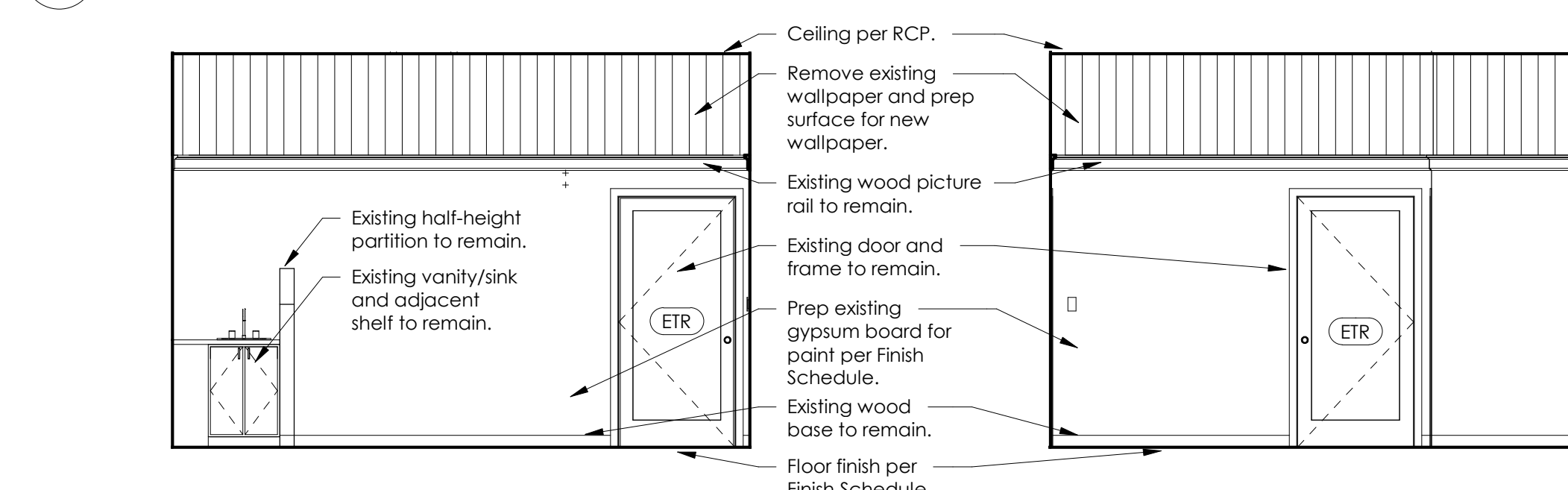
A101



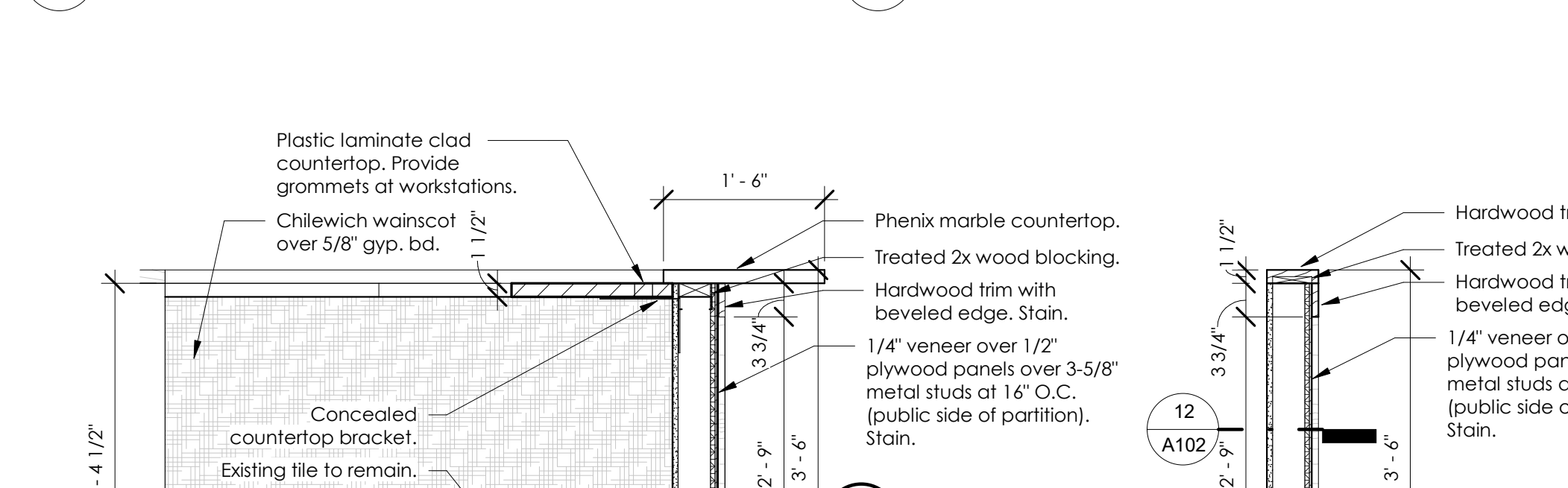
1 Interior Elev. @ Walk-Up Counter (Staff Side)
A102 1/4" = 1'-0"



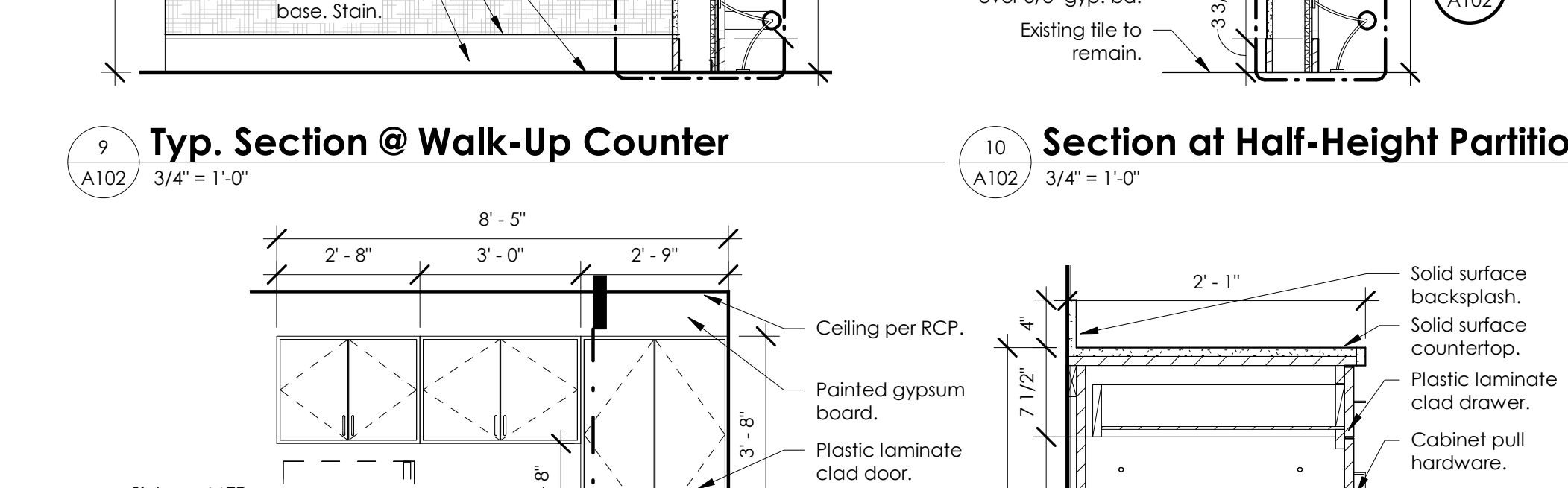
3 Interior Elev. @ Walk-Up Counter (Public Side)
A102 1/4" = 1'-0"



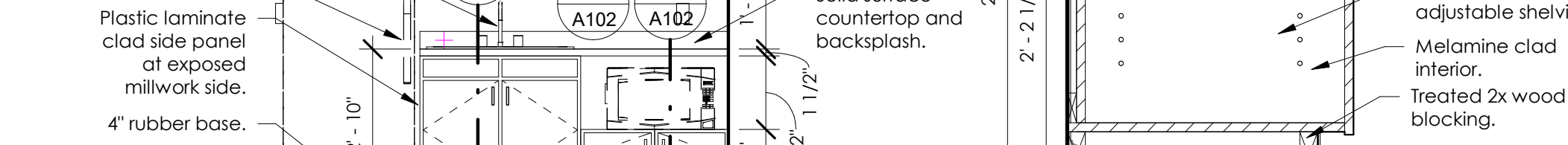
5 East Interior Elev. @ Office 102
A102 1/4" = 1'-0"



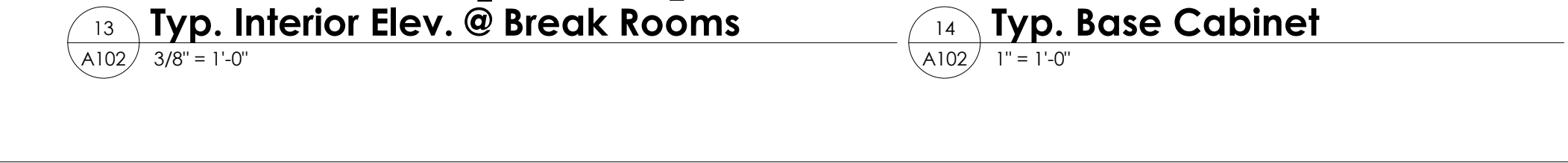
6 South Interior Elev. @ Office 102
A102 1/4" = 1'-0"



7 West Interior Elev. @ Office 102
A102 1/4" = 1'-0"



8 North Interior Elev. @ Office 102
A102 1/4" = 1'-0"



9 Typ. Section @ Walk-Up Counter
A102 3/4" = 1'-0"

10 Section at Half-Height Partition
A102 3/4" = 1'-0"

11 Office Cabinet Elevation
A102 3/8" = 1'-0"

12 Half-Height Double Acting Door Detail
A102 3" = 1'-0"

13 Typ. Interior Elev. @ Break Rooms
A102 3/8" = 1'-0"

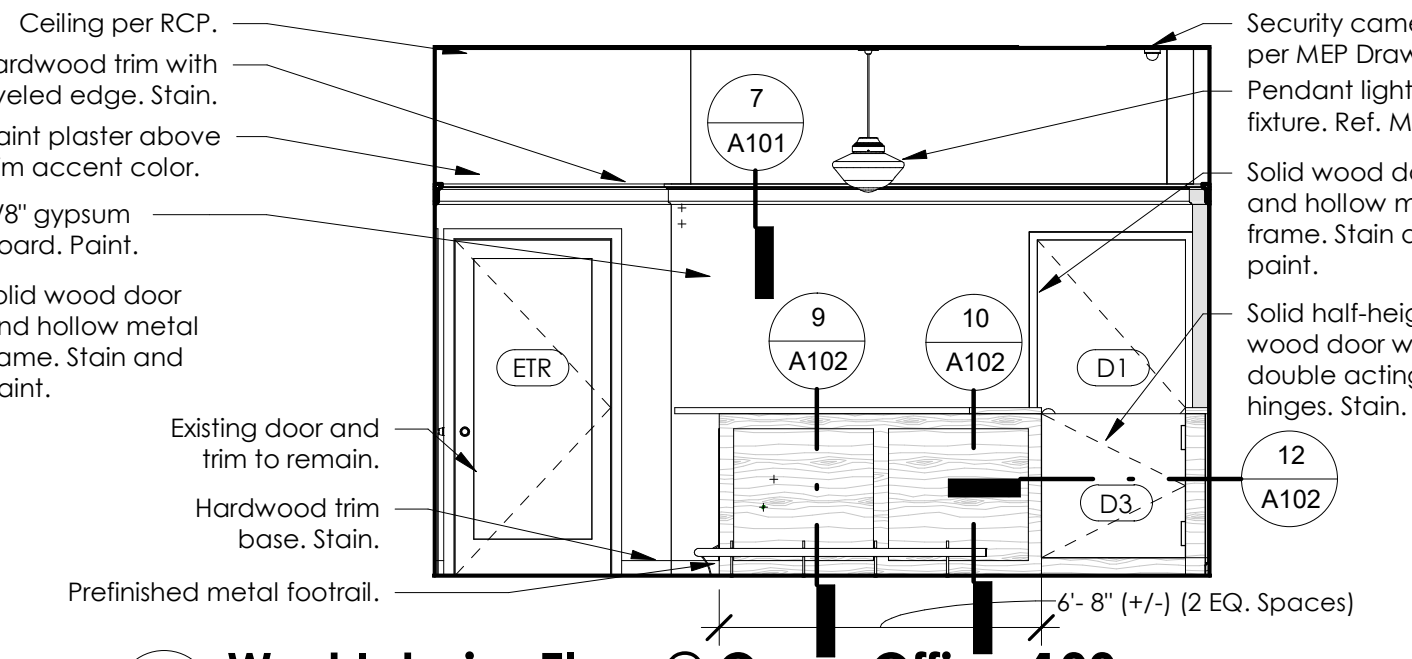
14 Typ. Base Cabinet
A102 1" = 1'-0"

15 Typ. Sink Base Cabinet
A102 1" = 1'-0"

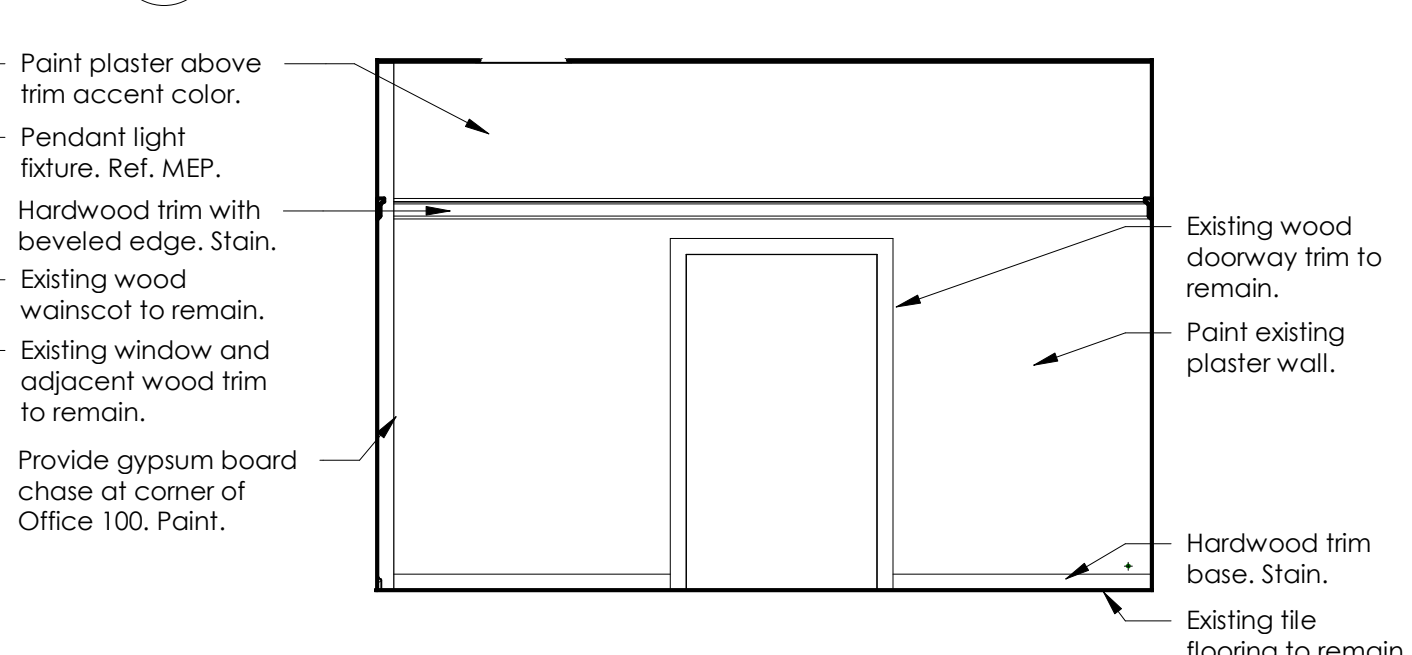
16 Microwave Base Cabinet
A102 1" = 1'-0"

17 Typ. Upper Cabinet
A102 1" = 1'-0"

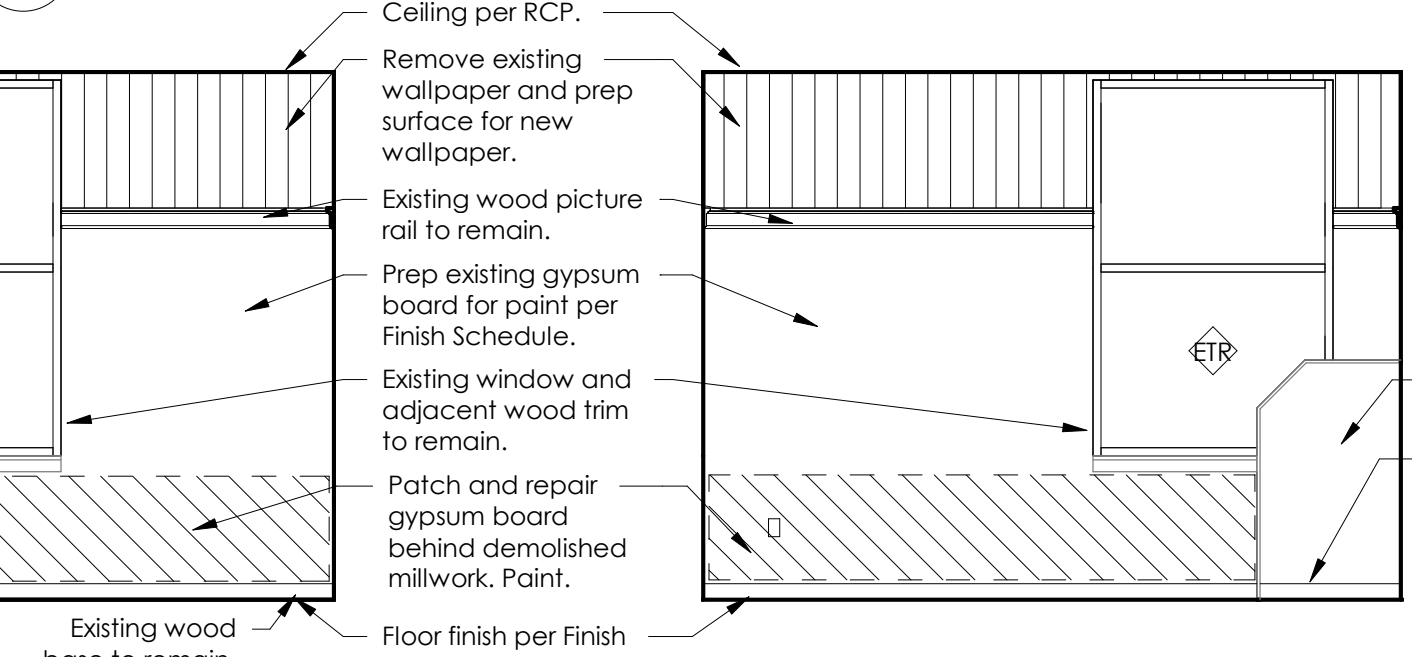
18 Typ. Foot Rail Detail
A102 3" = 1'-0"



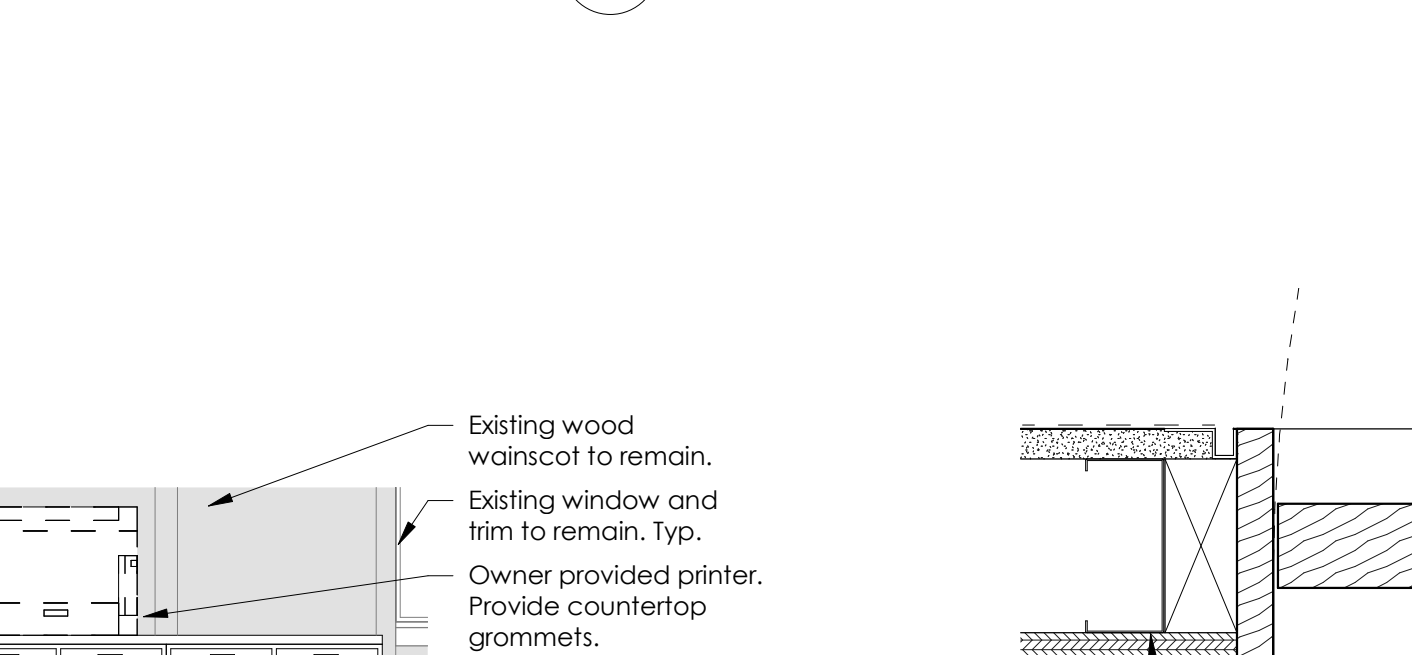
2 West Interior Elev. @ Open Office 100
A102 1/4" = 1'-0"



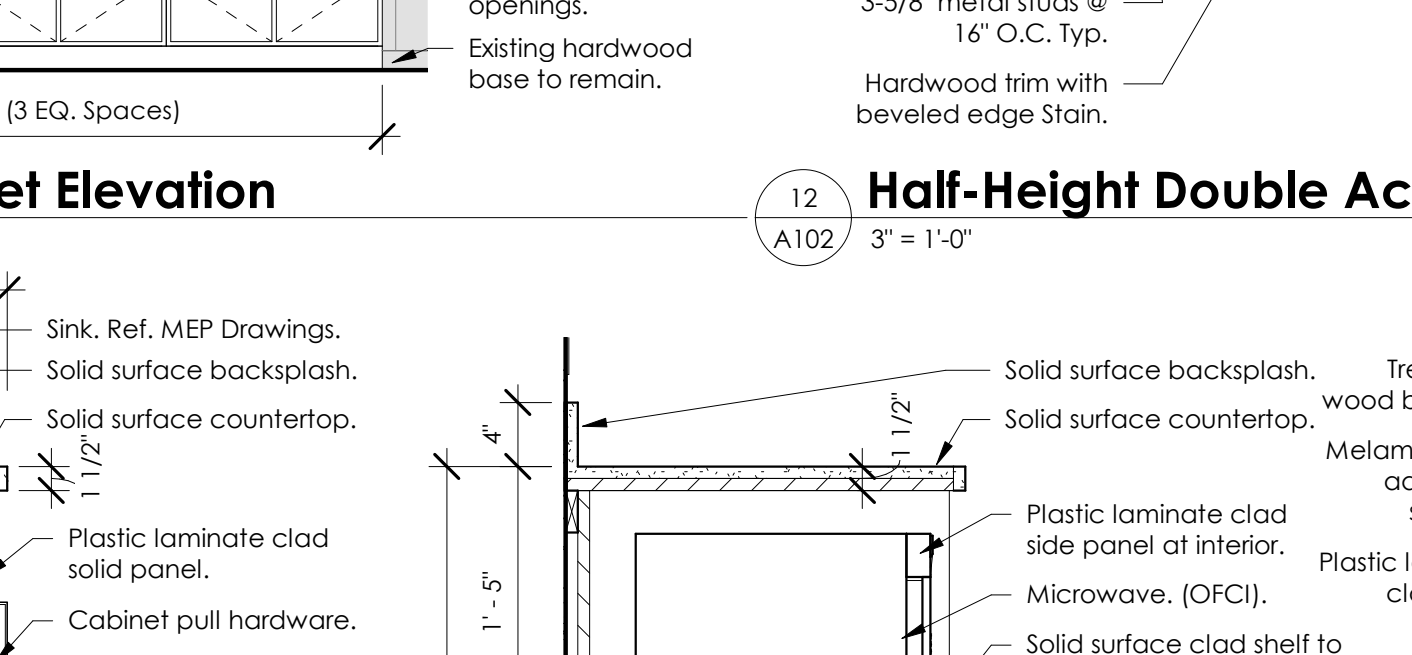
4 East Interior Elev. @ Open Office 100
A102 1/4" = 1'-0"



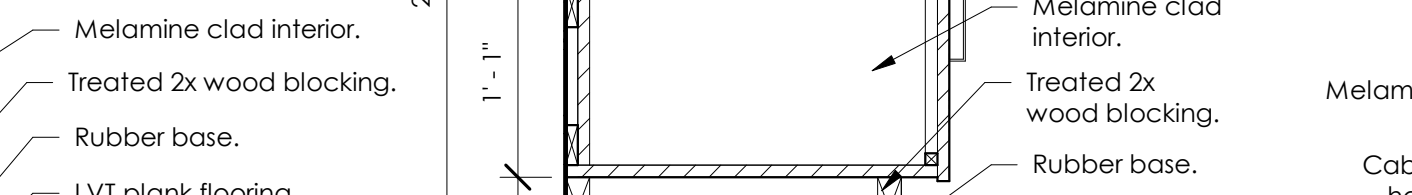
5 East Interior Elev. @ Office 102
A102 1/4" = 1'-0"



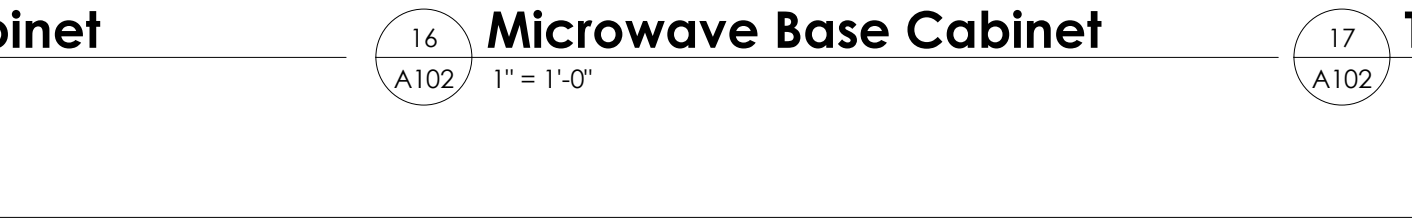
6 South Interior Elev. @ Office 102
A102 1/4" = 1'-0"



7 West Interior Elev. @ Office 102
A102 1/4" = 1'-0"



8 North Interior Elev. @ Office 102
A102 1/4" = 1'-0"



9 Typ. Section @ Walk-Up Counter
A102 3/4" = 1'-0"

10 Section at Half-Height Partition
A102 3/4" = 1'-0"

11 Office Cabinet Elevation
A102 3/8" = 1'-0"

12 Half-Height Double Acting Door Detail
A102 3" = 1'-0"

13 Typ. Interior Elev. @ Break Rooms
A102 3/8" = 1'-0"

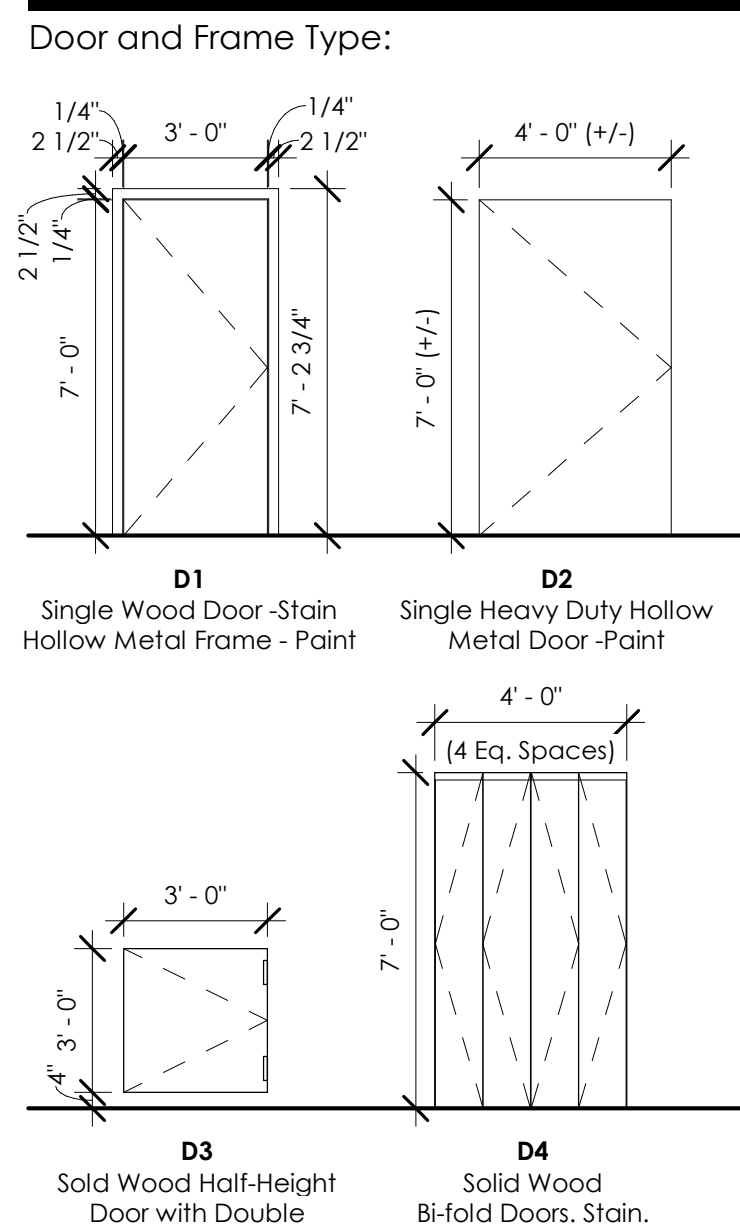
14 Typ. Base Cabinet
A102 1" = 1'-0"

15 Typ. Sink Base Cabinet
A102 1" = 1'-0"

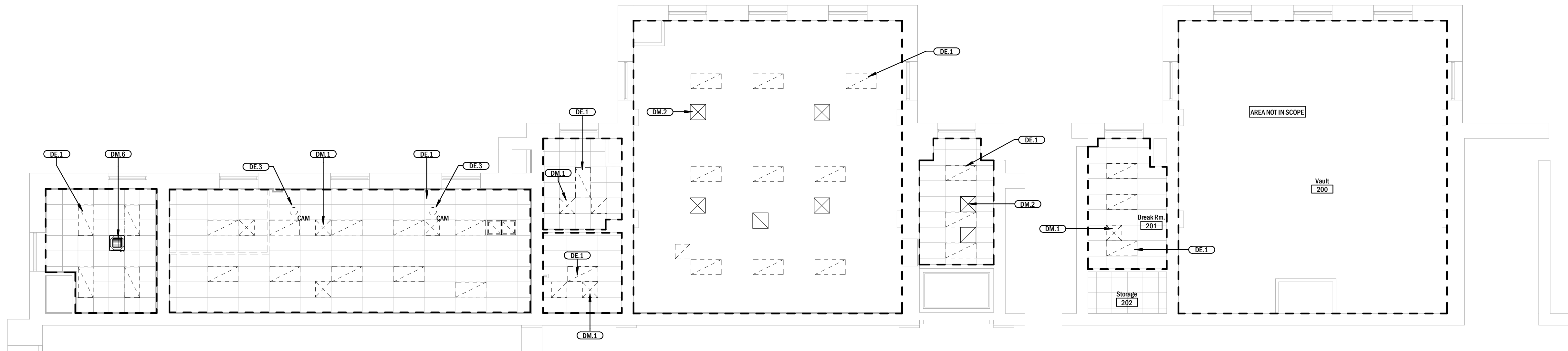
16 Microwave Base Cabinet
A102 1" = 1'-0"

17 Typ. Upper Cabinet
A102 1" = 1'-0"

18 Typ. Foot Rail Detail
A102 3" = 1'-0"

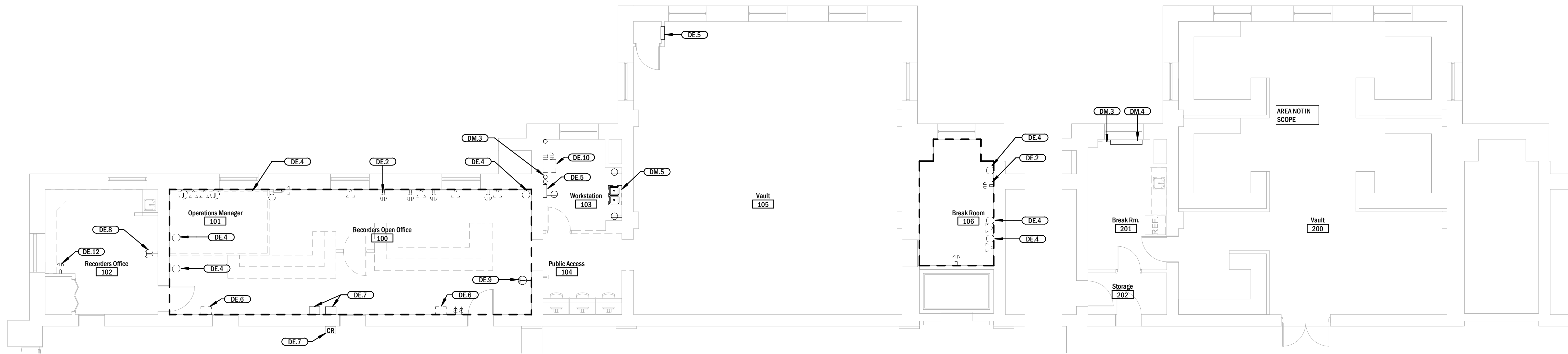


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 - Ceiling heights are measured from adjacent finish floor.
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 - Dimensions are to face of stud, face of brick, slab edge or centerline of structure (U.N.O.).
 - Provide 18" clear min. on the pull side of the latch side of each door (U.N.O.).
 - Provide 4" air jamb of door and adjacent wall (U.N.O.).
 - All millwork shall be fabricated per AWI standards.
 - All new trim shall match existing trim profile and size.
 - Provide grommets at computer workstations. Verify exact locations with Owner, prior to installation.
 - Architect shall select from manufacturer's full range of standard colors and stains at solid surface and wood finishes.
 - Patch and prep all existing surfaces as required and install finishes per manufacturer's written instructions.
 - Manufacturer's listed are Basis of Design. Contractor shall provide Basis of Design or an Approved Equal.
 - Contractor shall relocate furniture and equipment prior to demolition and construction.
 - Provide flooring transition strips as recommended by flooring manufacturer.
 - All wood veneer panels and hardwood trim shall be fire treated with a polyurethane flame retardant clear coat that meets or exceeds a "Class A" finish when applied per manufacturers recommendations. Basis of Design: Flamecheck FIF Clear Coat.



4 FIRST FLOOR MEP RCP DEMOLITION PLAN
Scale: 1/8" = 1'-0"

3 SECOND FLOOR MEP CEILING DEMOLITION PLAN
Scale: 1/8" = 1'-0"



2 FIRST FLOOR MEP DEMO PLAN
Scale: 1/8" = 1'-0"

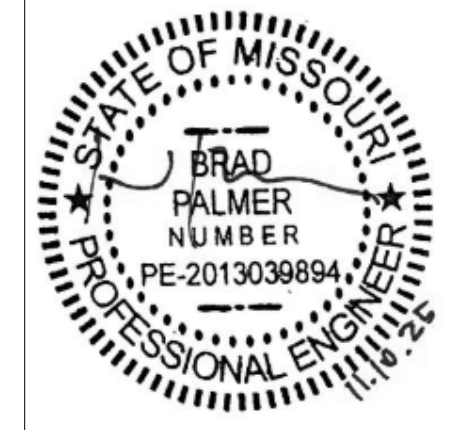
1 SECOND FLOOR MEP DEMOLITION PLAN
Scale: 1/8" = 1'-0"

NOTES TO BIDDERS	
1	THIS PLAN SET AND ASSOCIATED SPECIFICATIONS AND ADDENDA, CONSTITUTE THE BIDDING AND CONSTRUCTION PLAN SET. BIDDING FROM PLAN SETS THAT DO NOT INCLUDE ALL ELEMENTS OF THE CONSTRUCTION DOCUMENTS, IS DONE AT THE RISK OF THE BIDDER. IT IS ASSUMED THAT ALL BIDDERS, BY SUBMITTING A BID, ARE FAMILIAR WITH ALL ASPECTS OF THE PROJECT AND HAVE REVIEWED THE COMPLETE PLAN SET.
2	BY SUBMITTING A BID THE GENERAL CONTRACTOR IS INDICATING THAT THEY ARE FAMILIAR WITH ALL ELEMENTS OF THE PROJECT REQUIRED FOR COMPLETION OF THE PROJECT AND ARE WHOLLY FAMILIAR WITH THE SYSTEMS SPECIFIED IN THIS PLAN SET AND SPECIFICATIONS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE, FUNCTIONAL PROJECT. NO EXTRAS WILL BE PAID FOR NEGLECTING TO PROVIDE ALL UTILITY CONNECTIONS AND ACCESSORIES FOR PROJECT TO BE COMPLETELY OPERATIONAL. (EXAMPLE: CONTRACTOR SHALL PROVIDE GAS PIPING AND VENT AND INTAKE PIPING TO A WATER HEATER IF A GAS WATER HEATER WAS SPECIFIED/BID.)
3	IN NO CASE SHALL THE CONTRACTOR PROVIDE OR EXCLUDE PROJECT COMPONENTS THAT WOULD RENDER THE PROJECT IN CONFLICT WITH CODE REQUIREMENTS, INCOMPLETE OR NON-FUNCTIONAL IN ANY WAY. IF THE CONTRACTOR REQUIRES ADDITIONAL INFORMATION OR CLARIFICATION FOR AREAS IN WHICH THEY BELIEVE INSUFFICIENT INFORMATION IS PROVIDED, REQUEST FOR THAT INFORMATION FROM THE DESIGN TEAM SHALL BE SUBMITTED PRIOR TO SUBMITTING BID.

GENERAL DEMOLITION NOTES	
1	INFORMATION ON THESE DRAWINGS REPRESENTS INFORMATION FROM OLD DRAWINGS AND LIMITED SITE INSPECTIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. NO EXTRAS SHALL BE PAID DUE TO UNANTICIPATED CONDITIONS.
2	CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, PATCH, AND REPAIR OF ALL WALL AND FLOOR SYSTEM AS REQUIRED DUE TO NEW CONSTRUCTION. MAINTAIN ALL FIRE RATINGS.
3	WHERE DEMOLISHED DEVICES ARE PART OF A CIRCUIT THAT IS THRU-WIRED, OR HAS ADDITIONAL DEVICES ON THE CIRCUIT THAT ARE TO REMAIN UNCHANGED, THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE EXISTING CIRCUIT. ANY ADDITIONAL CONDUIT, CONDUCTOR, BOXES, ETC NEEDED TO MODIFY THE EXISTING CIRCUIT TO MAINTAIN THE INTEGRITY ARE THE RESPONSIBILITY OF THIS CONTRACTOR AND SHALL BE INCLUDED IN BID.
4	FOR ALL EXISTING FIXTURES, EQUIPMENT, ETC. SHOWN TO BE REMOVED, THE OWNER SHALL HAVE THE FIRST RIGHT OF REFUSAL.
5	CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL ELECTRICAL DEVICES, CONDUIT, AND WIRING IN ALL DEMOLISHED WALLS WHETHER SPECIFICALLY INDICATED OR NOT.
6	REMOVE AND REPLACE DEVICES AS REQUIRED DUE TO NEW WALL OR CEILING FINISHES.

KEYNOTES	
DE.1	REMOVE LIGHT FIXTURES IN THIS AREA UNLESS NOTED OTHERWISE. CONTRACTOR SHALL RECONNECT ANY LIGHT FIXTURES OUTSIDE OF THIS SCOPE TO THE NEAREST 20A CIRCUIT. HOMERUNS TO BE MAINTAINED FOR CONNECTION TO NEW LIGHTING SERVING SAME AREA. REFERENCE LIGHTING IMPROVEMENT PLAN.
DE.2	REMOVE EXISTING ELECTRICAL DEVICES IN THIS AREA UNLESS NOTED OTHERWISE. REMOVE ASSOCIATED WIRE AND CONDUIT BACK TO EXISTING PANEL OR REMAINING CIRCUITS. CONTRACTOR SHALL RECONNECT ANY DEVICE OUTSIDE OF THIS SCOPE TO THE NEAREST 20A CIRCUIT. WHERE WALLS ARE NOT DEMOLISHED PATCH WALLS AND PREPARE FOR NEW WALL FINISHES SHOWN ON ARCHITECTURAL PLANS.
DE.3	REMOVE AND PRESERVE SECURITY DEVICE FOR REINSTALLATION IN NEW CEILING.
DE.4	REMOVE WIRE RACEWAY.
DE.5	EXISTING PANEL TO REMAIN.
DE.6	REMOVE EMPTY BOX AND WIREMOLD
DE.7	EXISTING CARD READER TO REMAIN. PRESERVE ASSOCIATED BOXES AND WIRING. REMOVE WIREMOLD AND REPLACE WITH EMT CONDUIT.
DE.8	THERMOSTAT TO BE RELOCATED. REFERENCE FIRST FLOOR ELECTRICAL IMPROVEMENT PLAN.
DE.9	THERMOSTAT TO REMAIN. REMOVE AND REPLACE THERMOSTAT AND BOX IN SAME LOCATION FOR NEW FINISHES. REMOVE WIREMOLD AND REPLACE WITH EMT.
DE.10	REMOVE ELECTRICAL CABINET AND CONNECTED CONDUITS
DE.12	REMOVE RECEPTACLE AND ASSOCIATED WIRING AND CONDUIT. PATCH WALL AND PREPARE FOR NEW WALL FINISHES SHOWN ON ARCHITECTURAL PLANS.
DM.1	GRILLES AND DIFFUSERS TO BE CLEANED AND MADE LIKE NEW FOR INSTALLATION IN NEW CEILING. RECONNECT TO PREVIOUS DUCTS AND HVAC SYSTEM
DM.2	EXISTING GRILLES AND DIFFUSERS IN THIS AREA TO REMAIN.
DM.3	REMOVE ABANDONED HYDRONIC PIPING. PATCH FLOOR PENETRATIONS.
DM.4	RADIATOR TO REMAIN IN PLACE.
DM.5	REMOVE SINK. REMOVE WASTE TO SANITARY LINE LOCATED ABOVE CEILING IN FLOOR BELOW. REMOVE SUPPLY PIPING BRANCH CAP AND SEAL. REPAIR ANY WALL OR FLOOR ASSEMBLY PENETRATIONS AND PREPARE FOR NEW FINISHES.
DM.6	PROTECT EXISTING VRF AIR HANDLER. REMOVE AND REINSTALL FACE PANEL TO PROTECT NEW CEILING.

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Drawn By: AJW
Checked By: BRP
Revisions:
MEP DEMOLITION PLANS

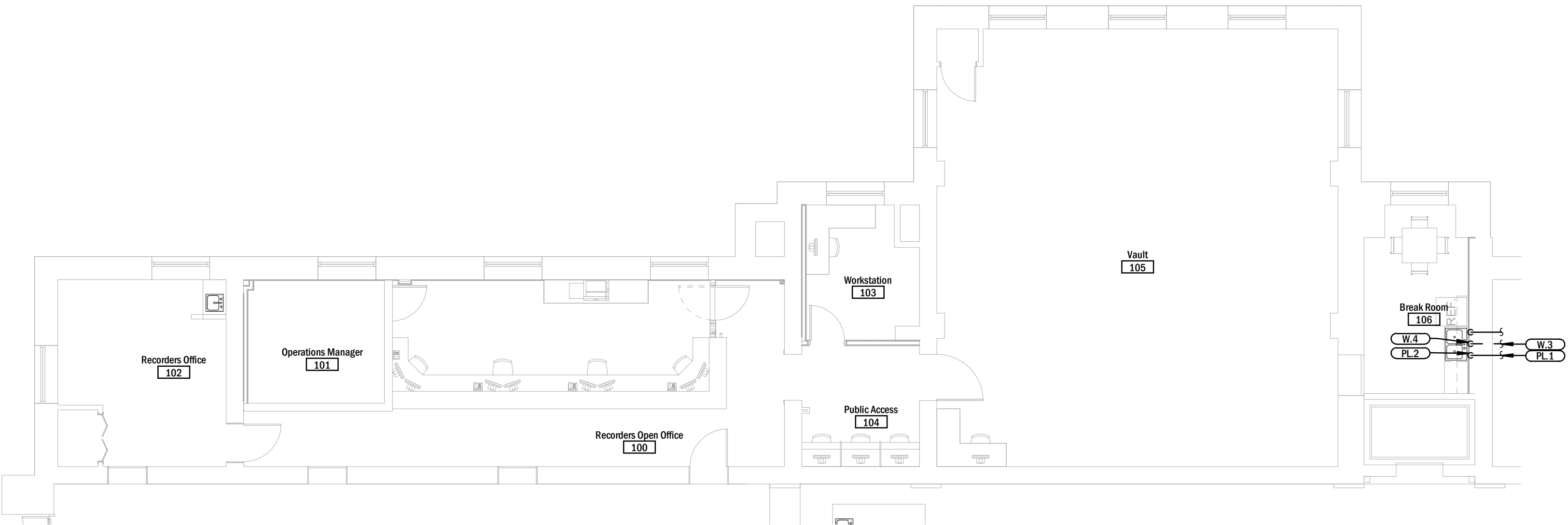
ME101

PLUMBING FIXTURE SCHEDULE									
MARK	DESCRIPTION	MANUFACTURER	MODEL	OPTIONS AND ACCESSORIES	PIPING CONNECTION SIZES				NOTES
					COLD	HOT	WASTE	VENT	
1	DOUBLE COMPARTMENT STAINLESS STEEL SINK	ELKAY	DLR332210	TYPE 302 STAINLESS STEEL, 18 GAUGE, LK-6K-H SATIN FINISH, FACUET CENTERS TO MATCH FAUCET, TRAP AND TAILPIECE, 3.5" DRAIN	--	--	2"	1.5"	2.3
	SINK FAUCET	DELTA	9159-DST	ADA COMPLIANT, CHROME, SUPPLIES AND STOPS, 9.5" GOOSENECK SWING SPOUT WITH PULLDOWN SPOUT, SINGLE HANDLE, ESCUTCHEON	0.5"	0.5"	--	--	2
NOTES: 1. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT 2. PROVIDE ACCESSORIES TO SUPPORT FIXTURE AS RECOMMENDED BY MANUFACTURER 3. SINK FAUCET HOLE OPENINGS SHALL MATCH FAUCET. 4. INSTALL ACCESSORIES AS RECOMMENDED BY MANUFACTURER FOR ADA COMPLIANCE. 5. INSTALL FIXTURE OVER FINAL WALL FINISH INCLUDING FRP OR TILE AS SPECIFIED BY ARCHITECT SO THAT FINISH CAN RUN CONTINUOUSLY BEHIND FIXTURE.									

PIPING MATERIAL SCHEDULE									
TYPE	PIPING		MATERIAL	TEST PARAMETERS		FITTING		LABEL COLOR	
	SIZE			PRESSURE	TIME	MATERIAL	TYPE	BACKGROUND	TEXT
DOMESTIC COLD WATER ABOVE GRADE	2" AND SMALLER	PEX TUBING		150 PSI	1 HR	PEX	CR	GREEN	WHITE
DOMESTIC HOT WATER ABOVE GRADE	2" AND SMALLER	PEX TUBING		150 PSI	1 HR	PEX	CR	GREEN	WHITE
DWV PIPING ABOVE GRADE	ALL	SCHEDULE 40 DWV PVC		5 PSI	1 HR	DWV	SW	BLACK	WHITE
ROOF DRAIN PIPING ABOVE GRADE	ALL	SCHEDULE 40 DWV PVC		5 PSI	1 HR	DWV	SW	BLACK	WHITE
ABBREVIATIONS: BF: BUTT FUSION BZ: BRAZED CI: CAST IRON CR: CRIMPED DWV: DRAINAGE WASTE AND VENT FSRL: FORGED STEEL FLANGES MAT: MATERIAL MI: MALLEABLE IRON PE: HIGH DENSITY POLYETHYLENE									
ABBREVIATIONS: NH: NO HUB RS: RESIN SOCKET SL: SOLDERED SW: SOLVENT WELD TH: THREADED WC: WROUGHT COPPER WE: WELDED WF: WELDED AND FLANGED WSP: WROUGHT STEEL FITTINGS WCF: WROUGHT CAST FITTINGS									

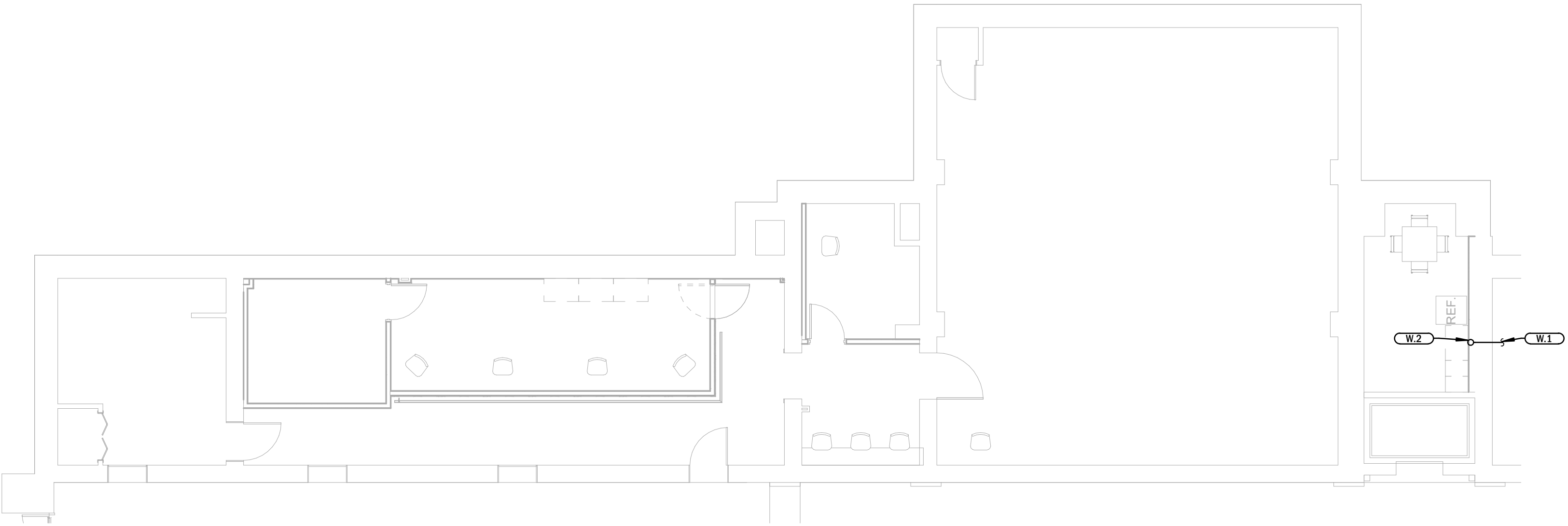
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KEYNOTES	
PL.1	0.5" COLD WATER AND 0.5" HOT WATER TO NEARBY PIPING SUPPLYING RESTROOM. CONTRACTOR TO FIELD VERIFY LOCATION.
PL.2	0.5" HOT AND COLD WATER TO SINK.
W.1	EXTEND 2" WASTE TO EXISTING SANITARY WASTE PLUMBING SERVING NEARBY RESTROOM. CONTRACTOR TO FIELD VERIFY LOCATION.
W.2	2" WASTE UP TO SINK
W.3	1.5" VENT TO EXISTING VENT SYSTEM SERVING NEARBY RESTROOM GROUP. CONTRACTOR TO FIELD VERIFY LOCATION.
W.4	1.5" VENT DOWN TO SINK

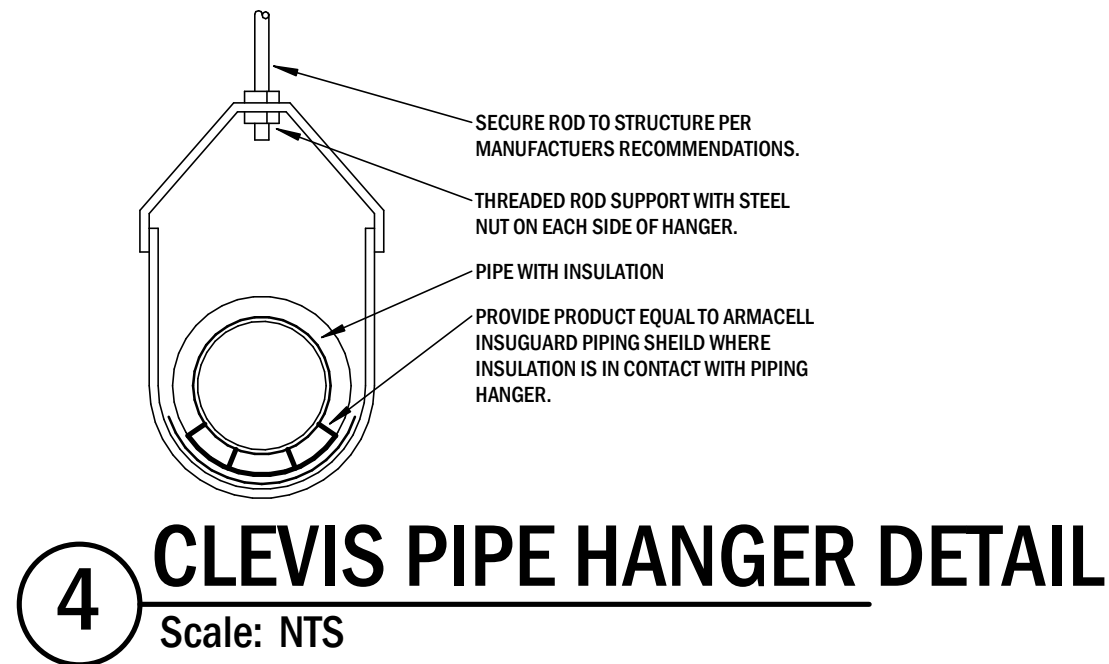


2 FIRST FLOOR PLUMBING IMPROVEMENT PLAN
Scale: 1/8" = 1'-0"

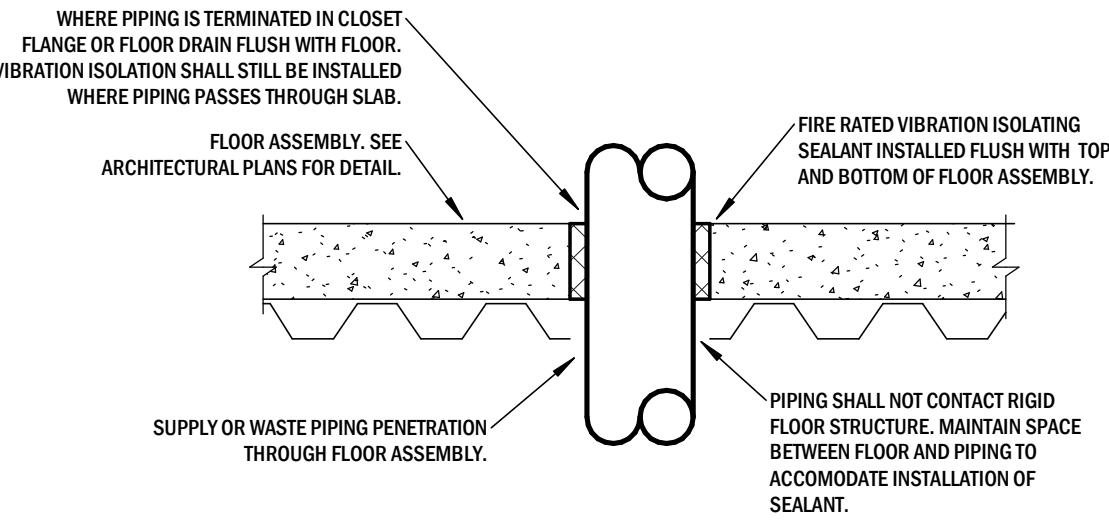
PLUMBING SYMBOLS	
---	DOMESTIC COLD WATER
---	DOMESTIC HOT WATER
---	DOMESTIC HOT WATER RETURN
---	WASTE PIPING
---	VENT PIPING
---	DRAIN
---	NATURAL GAS/PROPANE
---	FIRE SERVICE
---	PRIMARY ROOF DRAIN
---	OVERFLOW ROOF DRAIN
---	COMPRESSED AIR
---	OXYGEN
---	VACUUM
---	NITROUS OXIDE
---	SHUTOFF VALVE
---	ROOF PIPING SUPPORT
---	SHOCK ABSORBER
---	WATER METER
---	PRESSURE REGULATOR
---	FLOW CONTROL VALVE
---	HOSE BIBB
---	RECESSED HOSE BIBB
---	WALL HYDRANT
---	FLUSH FLOOR CLEANOUT
---	FLUSH GRADE CLEANOUT
---	WALL CLEANOUT
---	ELBOW UP WITH SHUTOFF VALVE
---	ELBOW DOWN WITH SHUTOFF VALVE
---	TEE UP WITH SHUTOFF VALVE
---	TEE DOWN WITH SHUTOFF VALVE
---	END CAP
---	FLOOR DRAIN, TYPE & SIZE
---	ROOF DRAIN, TYPE & SIZE
---	INDICATES CONNECTION TO EXISTING SYSTEMS
---	PLUMBING FIXTURE TAG
ABBREVIATIONS	
60"	DIMENSIONS NEXT TO ANY SYMBOL OR FIXTURE INDICATES MOUNTING HEIGHT TO CENTERLINE OF DEVICE
FFCO	FINISHED FLOOR CLEANOUT
FGCO	FINISHED GRADE CLEANOUT
FWCO	FINISHED WALL CLEANOUT
CW	COLD WATER
HW	HOT WATER
V	VENT
W	WASTE
WH	WATER HEATER



1 FIRST FLOOR WASTE IMPROVEMENT PLAN
Scale: 1/8" = 1'-0"



4 CLEVIS PIPE HANGER DETAIL
Scale: NTS



3 PIPING FLOOR PENETRATION DETAIL
Scale: NTS

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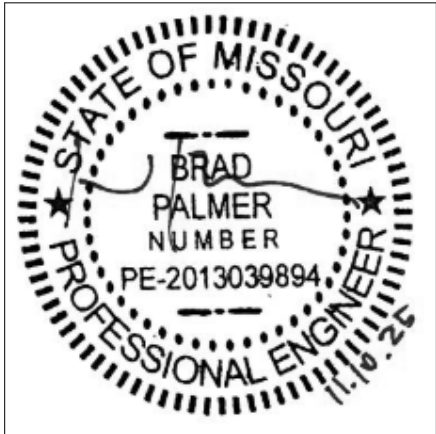
Revisions:

PLUMBING
IMPROVMENT
PLANS

P101

SECTION 22000 - PLUMBING SPECIFICATIONS

A - GENERAL			1.5.	SOLDERED JOINTS SHALL BE DONE IN ACCORDANCE WITH ASTM B 828 WITH A LEAD FREE SOLDER THAT CONFORMS WITH ASTM B 32 AND FLUX THAT CONFORMS WITH ASTM B 813. LEAD FREE SHALL MEAN A CHEMICAL COMPOSITION EQUAL TO OR LESS THAN 0.2 PERCENT LEAD.	7.1.1.	WALL TYPE FINISHED AREAS: J.R. SMITH NO. 4532 CAST IRON CLEANOUT "T" WITH CLEANOUT PLUG AND CHAINLESS STEEL ACCESS COVER.
1.1. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PLUMBING PIPING WHERE REQUIRED, COMPLETE AS CALLED FOR OR INDICATED ON THE PLANS AND SPECIFICATIONS ACCORDING TO ALL LOCAL CODES, WITH THESE PLANS AS A MINIMUM REQUIREMENT.			4.	PIPING SYSTEMS TESTING:	7.1.2.	WALL TYPE UNFINISHED AREAS: J.R. SMITH NO. 4512 CAST IRON CLEANOUT "T" WITH COUNTERSUNK PLUG.
2. REQUIREMENTS:			4.1.	PIPING SHALL BE TESTED IN ACCORDANCE WITH ASTM TESTING REQUIREMENTS FOR MATERIAL LISTED IN PIPING MATERIAL SCHEDULE AND IN ACCORDANCE WITH ALL REQUIREMENTS OF LOCAL JURISDICTION. TEST PRESSURE SHALL BE 50 PSI ABOVE SYSTEM OPERATING PRESSURE AND SHALL BE HELD FOR A DURATION OF 4 HOURS. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED OR REPLACED.	7.1.3.	FLOOR TYPE HARD FLOORING AREAS: J.R. SMITH 4023 WITH BRASS CHROME PLATED SCORINGED COVER.
2.1. GENERAL CONTRACTOR HEREINAFTER ABBREVIATED G/C SHALL MEAN THE PERSON OR COMPANY AND THEIR SUBCONTRACTORS WHO ENTER INTO CONTRACT WITH THE OWNER TO PERFORM THE GENERAL DIVISION WORK.			4.2.	PIPING SHALL BE TESTED IN ACCORDANCE WITH ASTM TESTING REQUIREMENTS FOR MATERIAL LISTED IN PIPING MATERIAL SCHEDULE AND IN ACCORDANCE WITH ALL REQUIREMENTS OF LOCAL JURISDICTION. TEST PRESSURE SHALL BE 50 PSI ABOVE SYSTEM OPERATING PRESSURE AND SHALL BE HELD FOR A DURATION OF 4 HOURS. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED OR REPLACED.	7.1.4.	FLOOR TYPE CARPET AREAS: J.R. SMITH 4023-X WITH NICKEL BRONZE TOP AND CARPET CLAMP.
2.2. PLUMBING CONTRACTOR HEREINAFTER ABBREVIATED P/C SHALL MEAN THE PERSON OR COMPANY AND THEIR SUBCONTRACTORS WHO ENTER INTO CONTRACT WITH THE G/C TO PERFORM THE MECHANICAL DIVISION WORK.			5.	PAINTING OF EQUIPMENT AND PIPING	7.1.5.	FLOOR TYPE CARPET AREAS: J.R. SMITH 4023-Y WITH NICKEL BRONZE TOP AND CARPET MARKER.
2.3. EQUIPMENT AND/OR MATERIALS MANUFACTURER HEREINAFTER ABBREVIATED E/M SHALL MEAN THE MANUFACTURER OR EQUIPMENT OR MATERIALS SPECIFIED OR REFERRED TO.			5.1.	EQUIPMENT AND MATERIALS EXPOSED TO INTERIOR DRY ENVIRONMENT SHALL HAVE A MINIMUM OF ONE (1) PRIMER AND ONE (1) FINISH COAT. EQUIPMENT AND MATERIALS MOUNTED IN EXTERIOR LOCATION SHALL HAVE A MINIMUM OF ONE (1) PRIMER AND TWO (2) FINISH COATS WITH TOTAL THICKNESS OF AT LEAST 5 MILS. FINISH COAT COLORS IN FINISH AREAS SHALL BE AS SELECTED BY A/E.	7.1.6.	EQUIVALENT CLEANOUTS BY INDE. WATTS, ZURN, JOSEAM OR INHERSPEC WILL BE ACCEPTABLE.
2.4. CONTRACTOR SHALL VERIFY SITE UTILITIES AND SANITARY INVERT ELEVATIONS PRIOR TO ANY WORK.			6.	EQUIPMENT IDENTIFICATION	7.1.7.	VERIFY FLOOR MATERIALS USED FROM ARCHITECTURAL PLANS.
2.5. ALL PLUMBING INSTALLATIONS SHALL CONFORM WITH THE LOCAL PLUMBING CODE AS MENTIONED AT THE CODE PROJECT DATA AND SUBSEQUENT AMENDMENTS THERETO EXCEPT WHEREIN THE SAME IS IN CONFLICT WITH EXISTING REGULATIONS AND THE AUTHORITY HAVING JURISDICTION.			6.1.	METAL LABELS FOR EQUIPMENT, MATERIAL AND THICKNESS: BRASS 0.022" STAINLESS STEEL 0.025", ALUMINUM 0.032". LABELS SHALL HAVE PREDRILLED OR STAMPED HOLES FOR ATTACHMENT. LENGTH AND WIDTH MAY VARY FOR REQUIRED LABEL COVER BUT NOT LESS THAN 2.5" X 0.75". MINIMUM LETTER SIZE NOT LESS THAN 1/8". ATTACH TO EQUIPMENT BY FASTENERS OR ADHESIVE BUT LABEL SHALL NOT COMPROMISE THE OPERATION OF LABELED EQUIPMENT.	8.	WATER HAMMER ARRESTORS: (SHOCK ABSORBERS)
2.6. PIPING LAYOUTS ARE DIAGRAMMATIC AND INTEND TO SHOW GENERAL ARRANGEMENT, SIZE AND CAPACITY. ALL OFFSETS ARE NOT NECESSARILY SHOWN. CONTRACTOR SHALL ARRANGE AND COORDINATE THE WORK, FURNISH NECESSARY OFFSETS, VALVES, TEES AND FITTINGS TO AVOID CONFLICTS WITH OTHER MECHANICAL AND ELECTRICAL SERVICES AND WITH STRUCTURAL AND ARCHITECTURAL ELEMENTS.			6.2.	PLASTIC LABELS SHALL FOLLOW SAME GUIDELINES AS METAL LABELS BUT SHALL BE PLASTIC WITH MECHANICAL ENGRAVING AND BE MINIMUM OF 1/16" THICK. LABELS SHALL BE WHITE WITH BLACK LETTERING AND SHALL WITHSTAND TEMPERATURES UP TO 180° F.	8.1.	MANUFACTURERS:
2.7. LOCATIONS OF EQUIPMENT PIPING, AND OTHER MECHANICAL WORK ARE INDICATED DIAGRAMMATICALLY BY PLUMBING DRAWINGS. DETERMINE EXACT LOCATIONS ON JOB, SUBJECT TO STRUCTURAL CONDITIONS, WORK OF OTHER CONTRACTORS, ACCESS REQUIREMENTS FOR INSTALLATION AND MAINTENANCE, AND TO APPROVAL OF A/E.			6.3.	LABEL CONTENT: INCLUDE EQUIPMENTS DRAWING DESIGNATION OR UNIQUE EQUIPMENT NUMBER.	8.1.1.	AMTROL, JOSAM, MFAB, SIOUX CHIEF, JAY R SMITH, WATTS, ZURN, TYLER
2.8. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO REVIEW THE PLUMBING PLANS TO BECOME FAMILIAR WITH THE FULL SCOPE OF WORK.			7.	PIPING IDENTIFICATION	8.2.	SIZEO AND INSTALLED PER MANUFACTURER INSTRUCTIONS, REGARDLESS IF SHOWN ON THE PLANS OR NOT EACH RESTROOM GROUP IS REQUIRED TO HAVE END-OF-LINE ARRESTOR.
2.9. DO NOT SCALE PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR DIMENSIONS, ACCURATELY LAY OUT WORK FROM DIMENSIONS INDICATED ON ARCHITECTURAL DRAWINGS UNLESS SUCH IS FOUND IN ERROR.			7.1.	LABELS SHALL BE PREPONTED, COLOR CODED, WITH LETTERING INDICATING SERVICE AND FLOW DIRECTION. LABELS SHALL BE PRINTED PLASTIC WITH CONTACT TYPE, PERMANENT ADHESIVE BACKING. LABEL TEXT SHALL BE A MINIMUM OF 1.5"	9.	WATER HEATER:
2.10. FINAL ACCEPTANCE OF WORK SHALL BE SUBJECT TO THE CONDITION THAT ALL SYSTEMS, EQUIPMENT, APPARATUS, AND APPLIANCES OPERATE SATISFACTORILY AS DESIGNED AND INTENDED. WORK SHALL INCLUDE REQUIRED ADJUSTMENT OF SYSTEMS AND CONTROL EQUIPMENT AND ALL REQUIRED PROGRAMMING INSTALLED UNDER THIS SPECIFICATION.			8.	WARRANTY	9.1.	MANUFACTURERS:
2.11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AS REQUIRED BY PHASING OF CONSTRUCTION FOR INTENDED USE BY THE OWNER AS APPLICABLE.			8.1.	P/C WARRANTIES TO OWNER AND ARCHITECT THE QUALITY OF MATERIALS, EQUIPMENT, WORKMANSHIP, AND OPERATION OF EQUIPMENT PROVIDED UNDER THIS SPECIFICATION DIVISION FOR A PERIOD OF ONE (1) YEAR FROM AND AFTER DATE OF SUBSTANTIAL COMPLETION OF BUILDING AND ACCEPTANCE OF MECHANICAL SYSTEMS BY OWNER.	9.1.1.	AO SMITH, BRADFORD WHITE, LOCHMAR, STATE, PVI INDUSTRIES, RINNAI, TANKAII, ERMAY.
2.12. THE INTENT OF THESE SPECIFICATIONS IS TO ALLOW AMPLE OPPORTUNITY FOR P/C TO USE HIS INGENUITY AND ABILITIES TO PERFORM THE WORK TO HIS AND THE OWNER'S BEST ADVANTAGE, AND TO PERMIT MAXIMUM COMPETITION IN BIDDING ON STANDARDS OF MATERIALS AND EQUIPMENT REQUIRED.			8.2.	WHERE MANUFACTURERS' WARRANTIES EXPIRE DURING THE ONE (1) YEAR WARRANTY PERIOD, ONE (1) YEAR WARRANTY PERIODS DEFINED AS FOLLOWS: DATE OF SUBSTANTIAL COMPLETION. P/C SHALL INCLUDE PROVISIONS FOR EXTENDING WARRANTY FOR THE FULL ONE (1) YEAR PERIOD AND SHALL CREDIT FOR WARRANTY EXTENSION IN HIS BASE BID.	9.2.	PROVIDE WATER HEATERS AS SPECIFIED AND AS INDICATED ON CONSTRUCTION DRAWINGS. WATER HEATERS SHALL MEET ASHRAE 90.1-1989 AND SHALL BE ASME VATED. GAS WATER HEATERS SHALL BE CSA CERTIFIED. ELECTRIC WATER HEATERS SHALL BE UL LISTED.
2.13. MATERIAL AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE FIRST CLASS QUALITY, NEW, UNUSED, AND WITHOUT DAMAGE.			8.3.	P/C WARRANTIES TO OWNER AND ARCHITECT THAT ON RECEIPT OF WRITTEN NOTICE FROM EITHER OF THEM WITHIN ONE (1) YEAR WARRANTY PERIOD FOLLOWING DATE OF ACCEPTANCE, ALL DEFECTS THAT HAVE APPEARED IN MATERIALS AND/OR WORKMANSHIP SHALL BE PROMPTLY CORRECTED TO CONDITION REQUIRED BY CONTRACT DOCUMENTS AT P/C'S EXPENSE.	10.	SINKS
2.14. ALL MATERIAL INSTALLED IN A RETURN AIR PLENUM SHALL BE NONCOMBUSTIBLE OR HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPMENT INDEX OF NOT MORE THAN 50. THIS INCLUDES ALL PLASTICS, PLUMBING PIPING AND OTHER MATERIALS PER THE INTERNATIONAL MECHANICAL CODE.			8.4.	THE ABOVE WARRANTY SHALL NOT SUPERSEDE ANY SEPARATELY STATED WARRANTY OR OTHER REQUIREMENTS BY LAW.	10.1.	MANUFACTURERS:
3. COMMON INSTALLATION REQUIREMENTS			8.5.	IF THE ARCHITECT'S SPECIFICATION INCLUDES A WARRANTY THAT EXCEEDS THE ABOVE WARRANTY REQUIREMENTS, THE ARCHITECT'S WARRANTY SHALL TAKE PRECEDENCE.	10.1.1.	ELKAY, JUST
3.1. INSTALL PIPING TO PERMIT VALVE SERVICING.			9.	PRODUCTS	10.2.	ELKAY, HULSEY TAYLOR, HWAS, OTIS
3.2. INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS.			1.	WATER PIPING:	11.	ELECTRIC WATER COOLERS
3.3. INSTALL PIPING TO ALLOW APPLICATION OF INSULATION.			1.1.	CONNECT TO THE CITY WATER MAIN AS REQUIRED AND APPROVED BY THE CITY AND WHERE APPLICABLE VERIFY EXISTING WATER UTILITY IS NOTIFIED OF NEW ADDITIONS TO WATER SERVICE DEMAND FOR NEW INSTALLATIONS.	11.0.1.	MANUFACTURERS:
3.4. SELECT SYSTEM COMPONENTS WITH PRESSURE RATING EQUAL TO OR GREATER THAN SYSTEM OPERATING PRESSURE.			1.2.	METER TO BE ADEQUATE SIZE FOR DEMAND INDICATED ON THE DRAWINGS.	11.0.2.	ELKAY, HULSEY TAYLOR, HWAS, OTIS
3.5. INSTALL EQUIPMENT TO ALLOW MAXIMUM POSSIBLE HEADROOM UNLESS SPECIFIC MOUNTING HEIGHTS ARE INDICATED.			1.3.	PIPING SHALL BE AS NOTED IN PIPING MATERIAL SCHEDULE	12.	FAUCETS
3.6. INSTALL EQUIPMENT LEVEL AND PLUMB, PARALLEL AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS IN EXPOSED INTERIOR SPACES, UNLESS OTHERWISE INDICATED.			1.4.	IF ALLOWED LOCALLY, CONTRACTOR SHALL HAVE OPTION TO PROVIDE ALTERNATE PRICING FOR PEK PIPING AS MANUFACTURED AND TESTED ACCORDING TO NATIONAL CONSENSUS STANDARDS: ASTM F 876, F 877, AWWA C504 AND CSA B137.5. MAY BE USED, NO JOINTS UNDER SLAB. PIPES AND PIPE FITTINGS, INCLUDING VALVES AND FAUCETS, SHALL HAVE NO LEAK CONTENT.	12.1.	MANUFACTURERS:
3.7. INSTALL PLUMBING EQUIPMENT TO FACILITATE SERVICE, MAINTENANCE, AND REPAIR OR REPLACEMENT OF COMPONENTS. CONNECT EQUIPMENT FOR EASE OF DISCONNECTING, WITH MINIMUM INTERFERENCE TO OTHER INSTALLATIONS. EXTEND GREASE FITTINGS TO ACCESSIBLE LOCATIONS.			1.4.1.	PEX CONNECTIONS SHALL BE PER THE TWO APPROVED STANDARD SPECIFICATIONS FOR PEX CONNECTIONS: ASTM F 1987 AND ASTM F 1980. BOTH REFERENCE MECHANICAL INSERT FITTINGS. THE CRIMP FITTINGS SPECIFIED IN ASTM F 1987 ARE THE MOST WIDELY USED. PEX SHALL NOT BE JOINED BY SOLVENT CEMENT OR HEAT FUSION METHODS.	12.1.1.	CHICAGO, DELTA, AMERICAN STANDARD, MOEN
3.8. INSTALL EQUIPMENT TO ALLOW RIGHT OF WAY FOR PIPING INSTALLED AT REQUIRED SLOPE.					C: PLUMBING DEMOLITION NOTES:	
					1.	INFORMATION ON THESE DRAWINGS REPRESENTS INFORMATION FROM OLD DRAWINGS AND LIMITED SITE INSPECTIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. NO EXTRAS SHALL BE PAID DUE TO UNANTICIPATED CONDITIONS.
					2.	CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, PATCH, AND REPAIR OF ALL WALL AND FLOOR SYSTEM AS REQUIRED DUE TO NEW CONSTRUCTION, MAINTAIN ALL FIRE RATINGS.
					3.	FOR ALL EXISTING FIXTURES, EQUIPMENT, ETC. SHOWN TO BE REMOVED, THE OWNER SHALL HAVE THE FIRST RIGHT OF REFUSAL.
					4.	WHERE WASTE AND VENT PIPING IS SHOWN TO BE REMOVED, PIPING SHALL BE DEMOLISHED TO BELOW GRADE, CAPPED BELOW GRADE AND CONCRETE SLAB SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING FINISH.
					5.	WHERE SUPPLY PIPING IS BEING DEMOLISHED, PIPING SHALL BE REMOVED BACK TO NEAREST MAIN AND CAPPED WITH MATERIAL MATCHING THAT OF EXISTING PIPING. PATCH ALL INSULATION WITH SAME INSULATION TYPE USED ON EXISTING PIPING.



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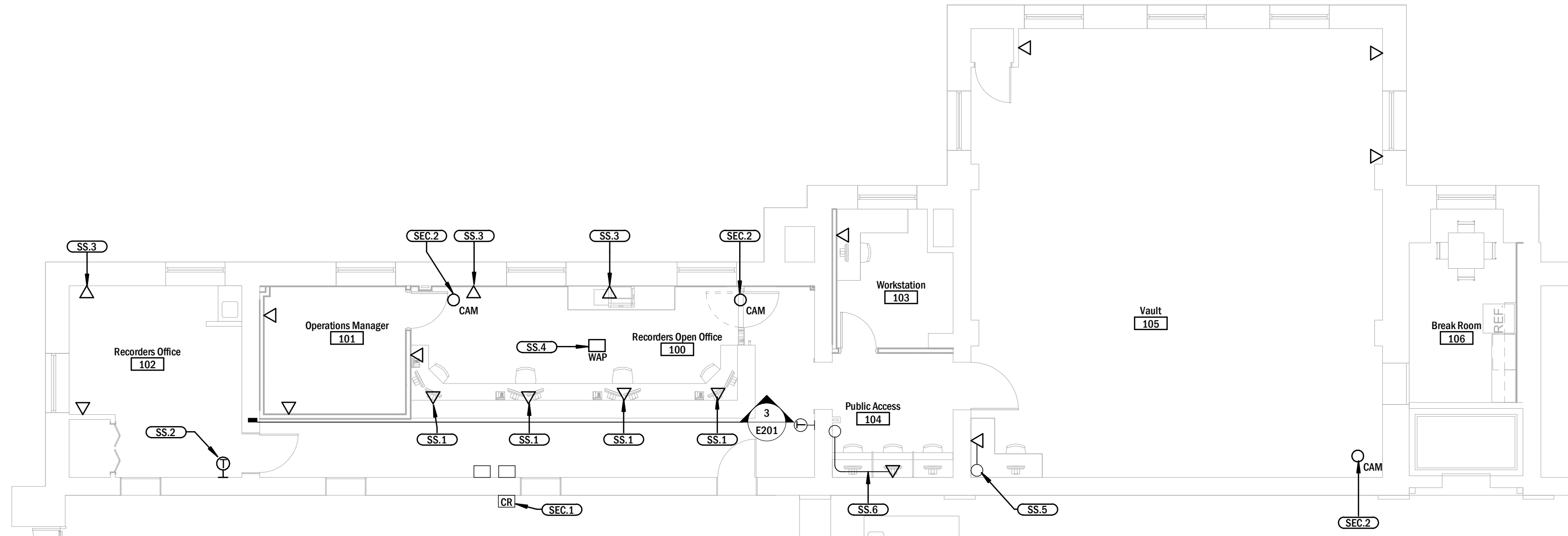


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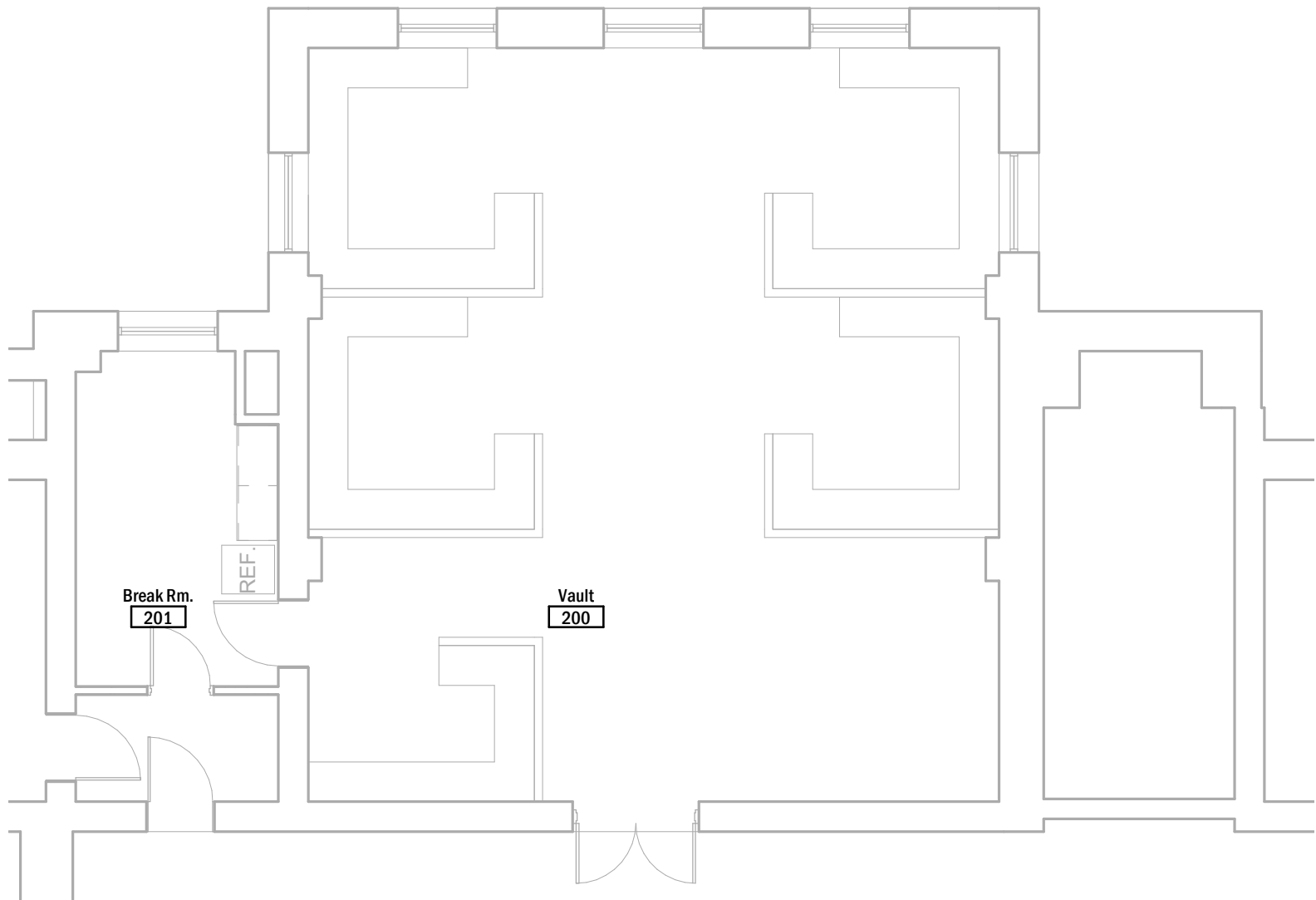
11.07.2025
GCRO
Drawn By: AJW
Checked By: BRP
Revisions:
PLUMBING SPECIFICATIONS

P201



FIRST FLOOR

6 SPECIAL SYSTEMS IMPROVEMENT PLAN
Scale: 1/8" = 1'-0"



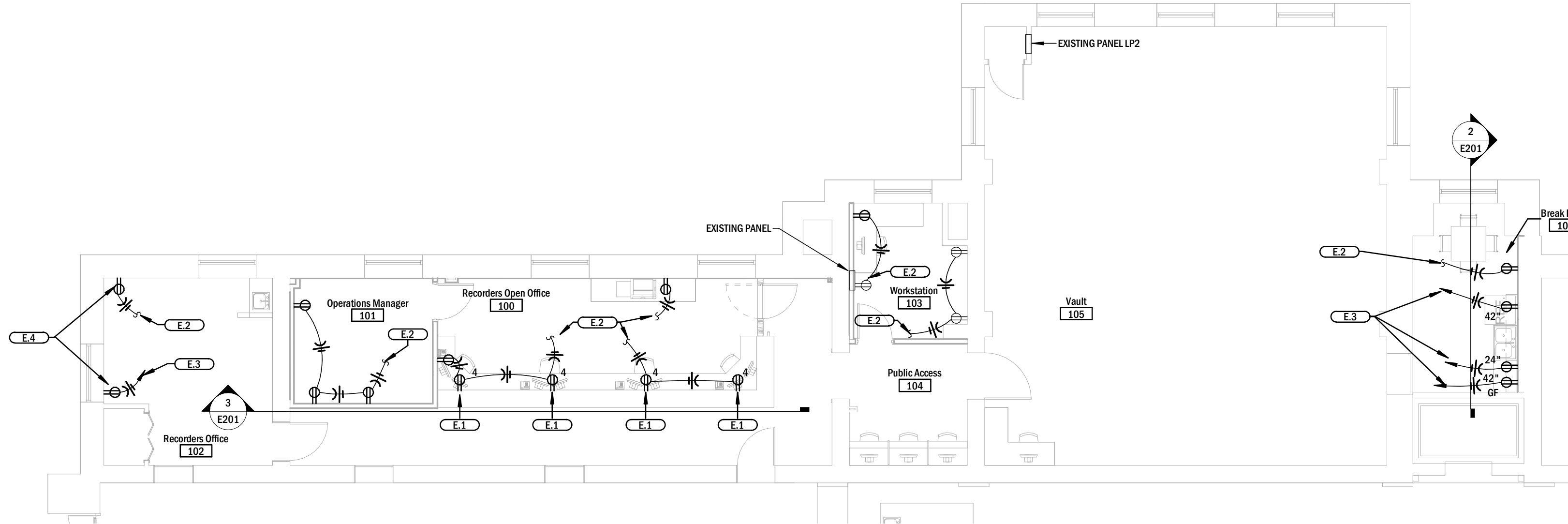
SECOND FLOOR

5 SPECIAL SYSTEMS IMPROVEMENT PLAN
Scale: 1/8" = 1'-0"

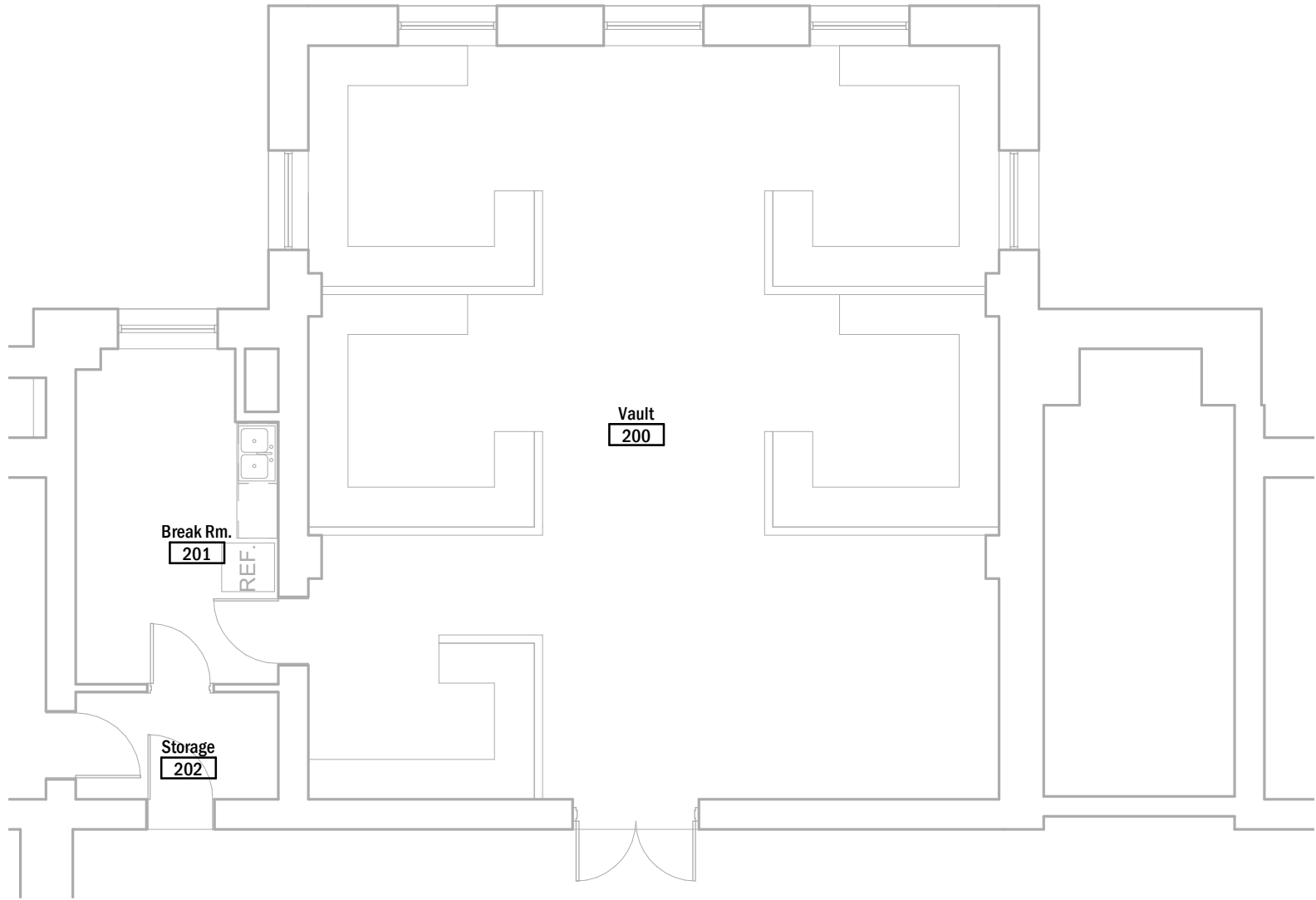
NOTES TO BIDDERS	
1	THIS PLAN SET AND ASSOCIATED SPECIFICATIONS AND ADDENDA, CONSTITUTE THE BIDDING AND CONSTRUCTION PLAN SET. BIDDING FROM PLAN SETS THAT DO NOT INCLUDE ALL ELEMENTS OF THE CONSTRUCTION DOCUMENTS, IS DONE AT THE RISK OF THE BIDDER. IT IS ASSUMED THAT ALL BIDDERS, BY SUBMITTING A BID, ARE FAMILIAR WITH ALL ASPECTS OF THE PROJECT AND HAVE REVIEWED THE COMPLETE PLAN SET.
2	BY SUBMITTING A BID THE GENERAL CONTRACTOR IS INDICATING THAT THEY ARE FAMILIAR WITH ALL ELEMENTS OF THE PROJECT REQUIRED FOR COMPLETION OF THE PROJECT AND ARE WHOLLY FAMILIAR WITH THE SYSTEMS SPECIFIED IN THIS PLAN SET AND SPECIFICATIONS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE, FUNCTIONAL PROJECT. NO EXTRAS WILL BE PAID FOR NEGLECTING TO PROVIDE ALL UTILITY CONNECTIONS AND ACCESSORIES FOR PROJECT TO BE COMPLETELY OPERATIONAL. (EXAMPLE: CONTRACTOR SHALL PROVIDE GAS PIPING AND VENT AND INTAKE PIPING TO A WATER HEATER IF A GAS WATER HEATER WAS SPECIFIED/ BID.)
3	IN NO CASE SHALL THE CONTRACTOR PROVIDE OR EXCLUDE PROJECT COMPONENTS THAT WOULD RENDER THE PROJECT IN CONFLICT WITH CODE REQUIREMENTS, INCOMPLETE OR NON-FUNCTIONAL IN ANY WAY. IF THE CONTRACTOR REQUIRES ADDITIONAL INFORMATION OR CLARIFICATION FOR AREAS IN WHICH THEY BELIEVE INSUFFICIENT INFORMATION IS PROVIDED, REQUEST FOR THAT INFORMATION FROM THE DESIGN TEAM SHALL BE SUBMITTED PRIOR TO SUBMITTING BID.

ELECTRICAL GENERAL NOTES	
1	REFERENCE MEP DEMOLITION PLANS FOR MORE INFORMATION
2	PAINT EXPOSED EMT CONDUIT TO MATCH SURROUNDING FINISH. COORDINATE WITH ARCHITECTURAL PLANS FOR FINISH COLORS.

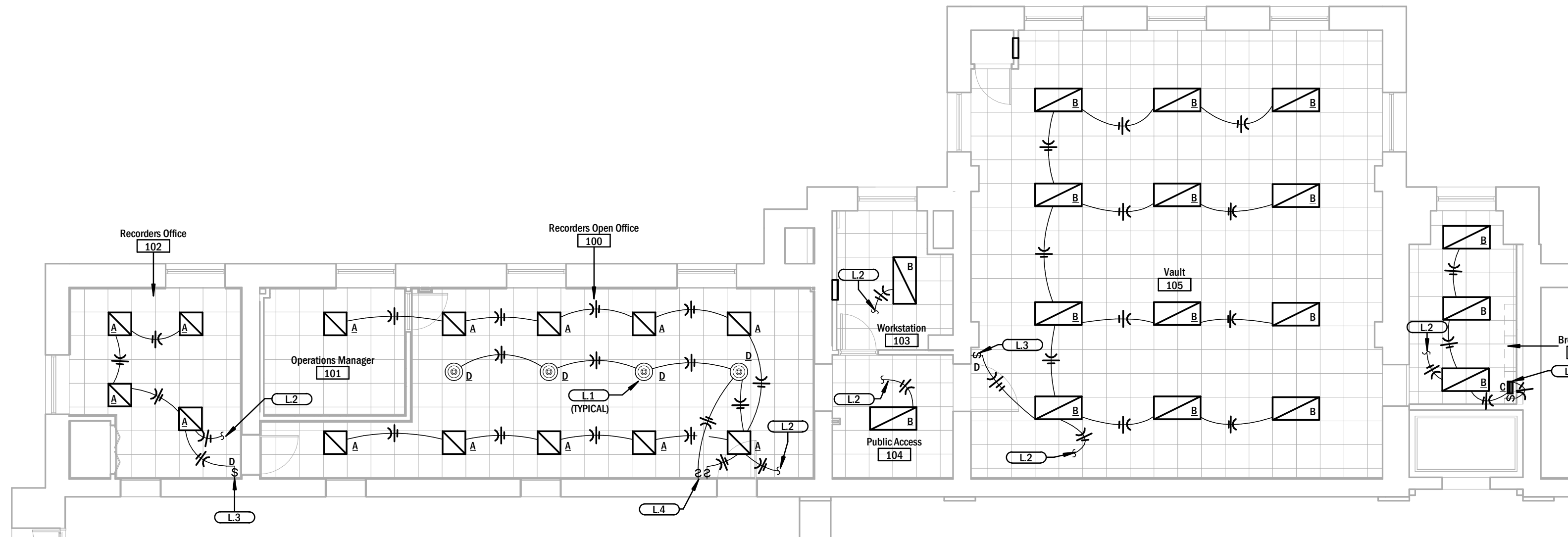
KEYNOTES	
E.1	RECEPTACLE INSTALLED BELOW COUNTER IN MILLWORK. ROUTE CONDUIT THROUGH MILLWORK TO NEW WALL. REFERENCE CONDUIT ROUTING ELEVATION FOR MORE INFORMATION.
E.2	WIRE TO EXISTING RECEPTACLE CIRCUIT PREVIOUSLY SERVING THIS AREA.
E.3	WIRE TO NEW 20A CIRCUIT IN EXISTING PANEL LP2
E.4	RECESS NEW DEVICE IN WALL
L.1	SUSPEND OWNER FURNISHED CONTRACTOR INSTALLED PENDANT AT 8'-0" AFF.
L.2	WIRE TO LIGHTING POWER CIRCUIT AND SWITCH LEG PREVIOUSLY SERVING THIS AREA.
L.3	PROVIDE NEW DIMMER SWITCH AND WIRE NEW 0-10V WIRING TO LIGHT FIXTURES FOR OUTPUT CONTROL.
L.4	EXISTING LIGHT SWITCH LOCATION
L.6	INSTALL FIXTURE AT BOTTOM OF UPPER CABINETS, TOWARDS BACK OF CABINETS. WIRE DOWNSTREAM OF ROOM SWITCH.
SEC.1	EXISTING CARD READER TO REMAIN
SEC.2	COORDINATE EXACT LOCATION OF CAMERA WITH SECURITY SUPPLIER.
SS.1	BOX FOR DATA OUTLET BELOW COUNTER IN MILLWORK. ROUTE CONDUIT THROUGH MILLWORK TO NEW WALL. REFERENCE CONDUIT SECTION FRO MORE INFORMATION.
SS.2	RELOCATED THERMOSTAT. WIRE BACK INTO PREVIOUS UNIT. RECESS NEW DEVICE IN EXISTING WALL.
SS.3	PROVIDE LOW VOLTAGE RING IN FURRED OUT WALL.
SS.4	WIRELESS ACCESS POINT INSTALLED ON GRID CEILING.
SS.5	ROUTE 1" CONDUIT LOW ALONG WALL AND UP IN CORNER TO ABOVE ACCESSIBLE CEILING.
SS.6	ROUTE 1" EMT CONDUIT LOW ALONG WALL INTO COLUMN FURRING AND UP TO ABOVE ACCESSIBLE CEILING.



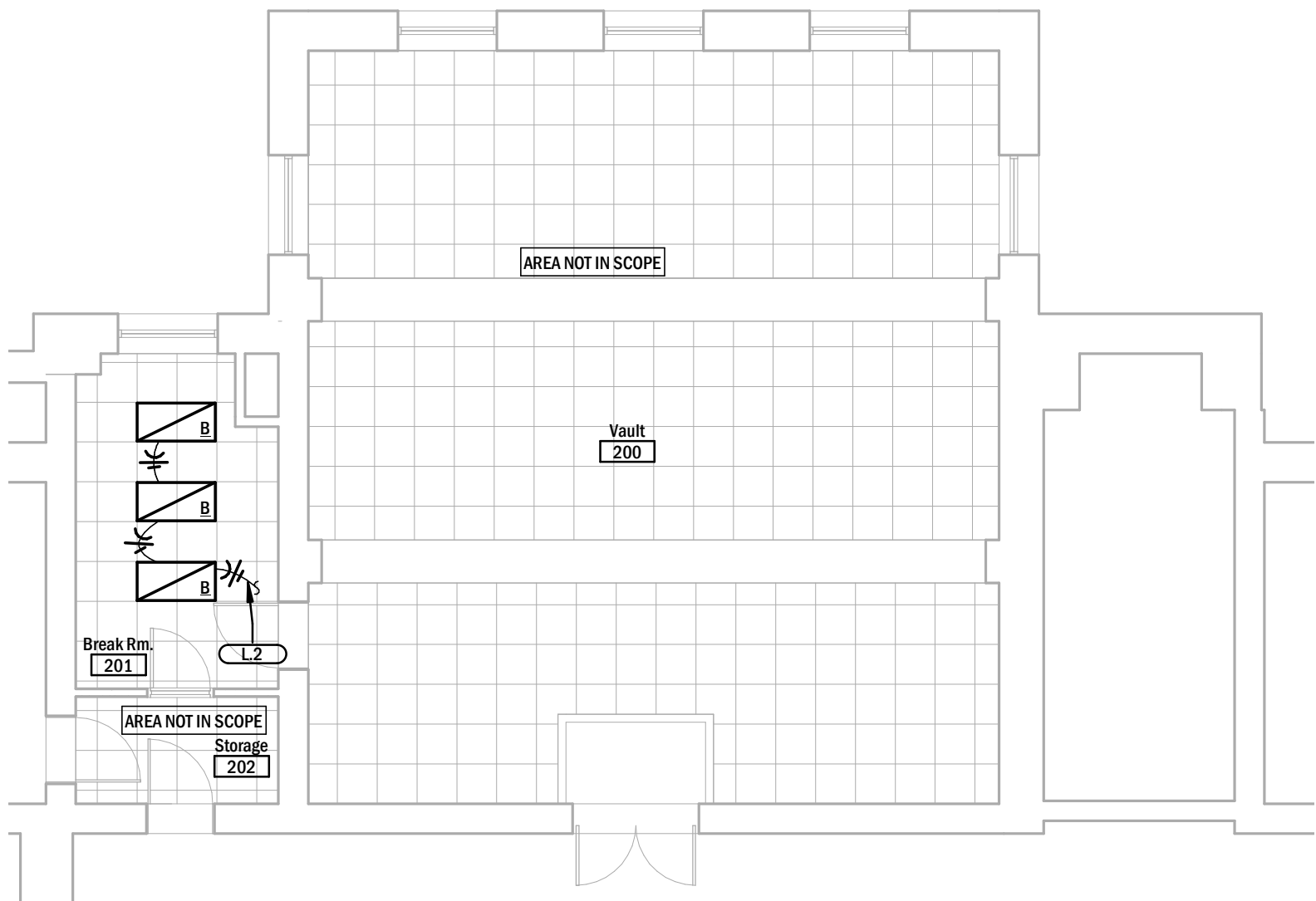
4 FIRST FLOOR POWER IMPROVEMENT PLAN
Scale: 1/8" = 1'-0"



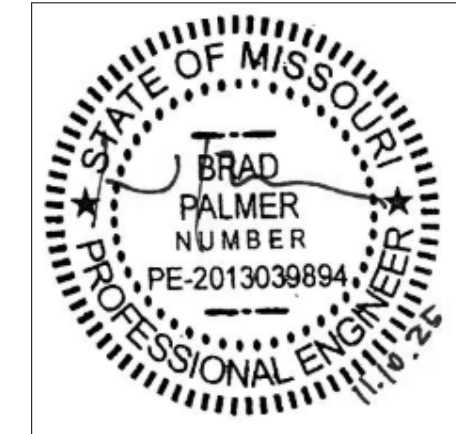
3 SECOND FLOOR POWER IMPROVEMENT PLAN
Scale: 1/8" = 1'-0"

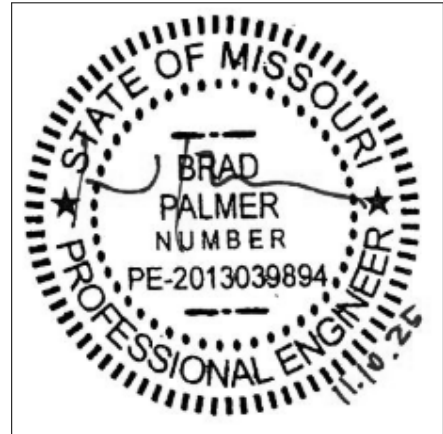


2 FIRST FLOOR LIGHTING IMPROVEMENT PLAN
Scale: 1/8" = 1'-0"



1 SECOND FLOOR LIGHTING IMPROVEMENT PLAN
Scale: 1/8" = 1'-0"





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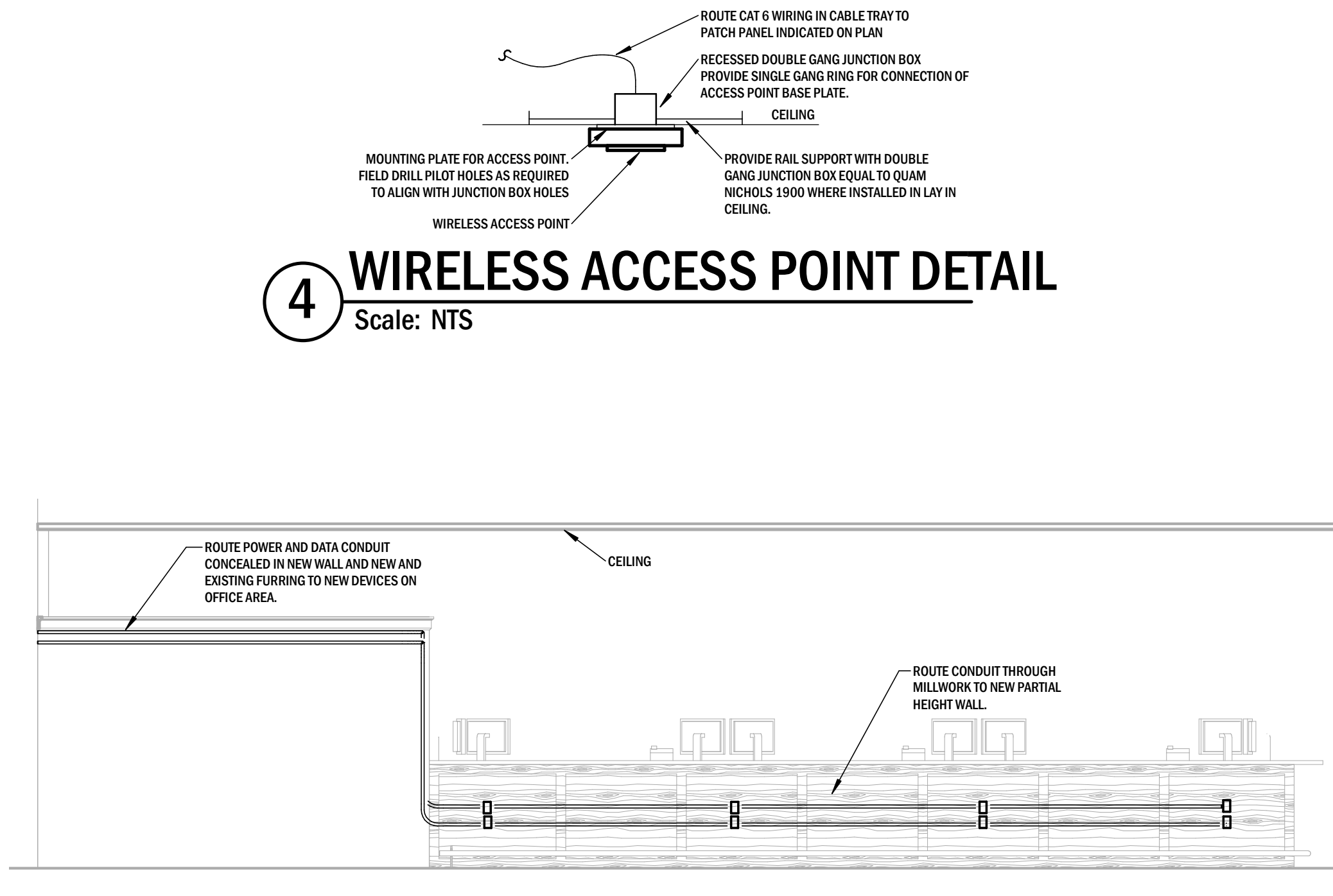
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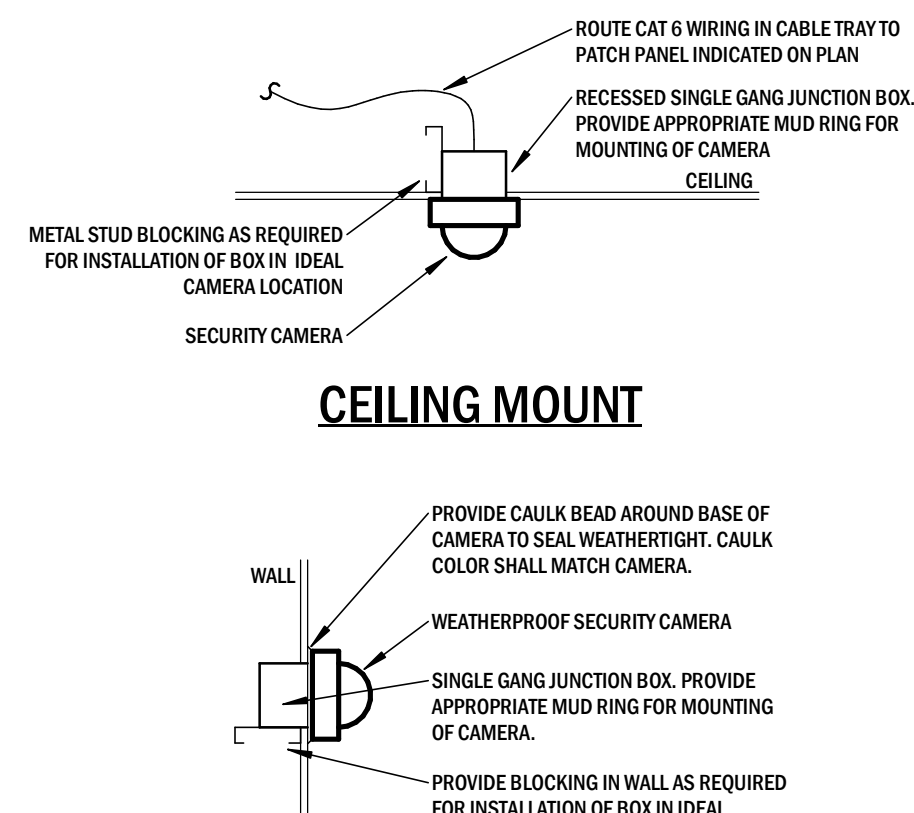
Revisions:

ELECTRICAL
DETAILS

E201



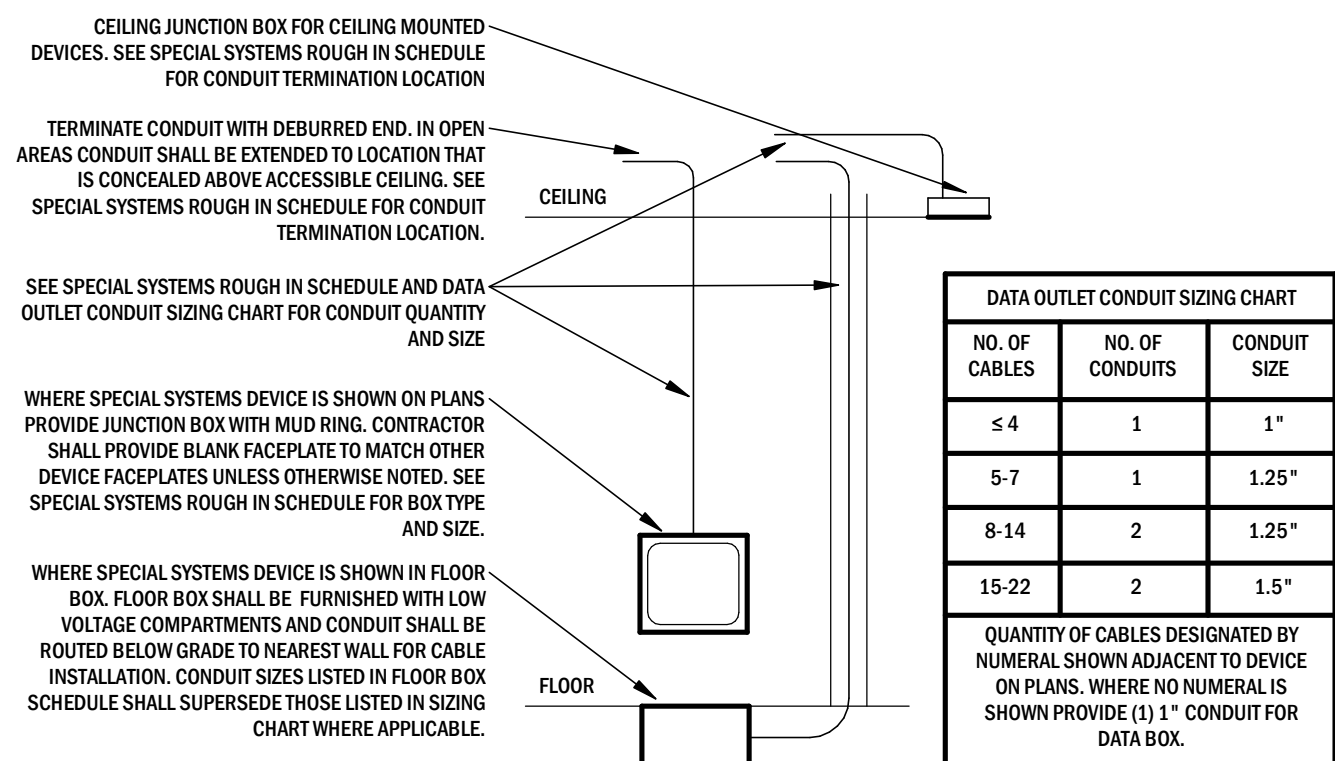
4 WIRELESS ACCESS POINT DETAIL
Scale: NTS



CEILING MOUNT

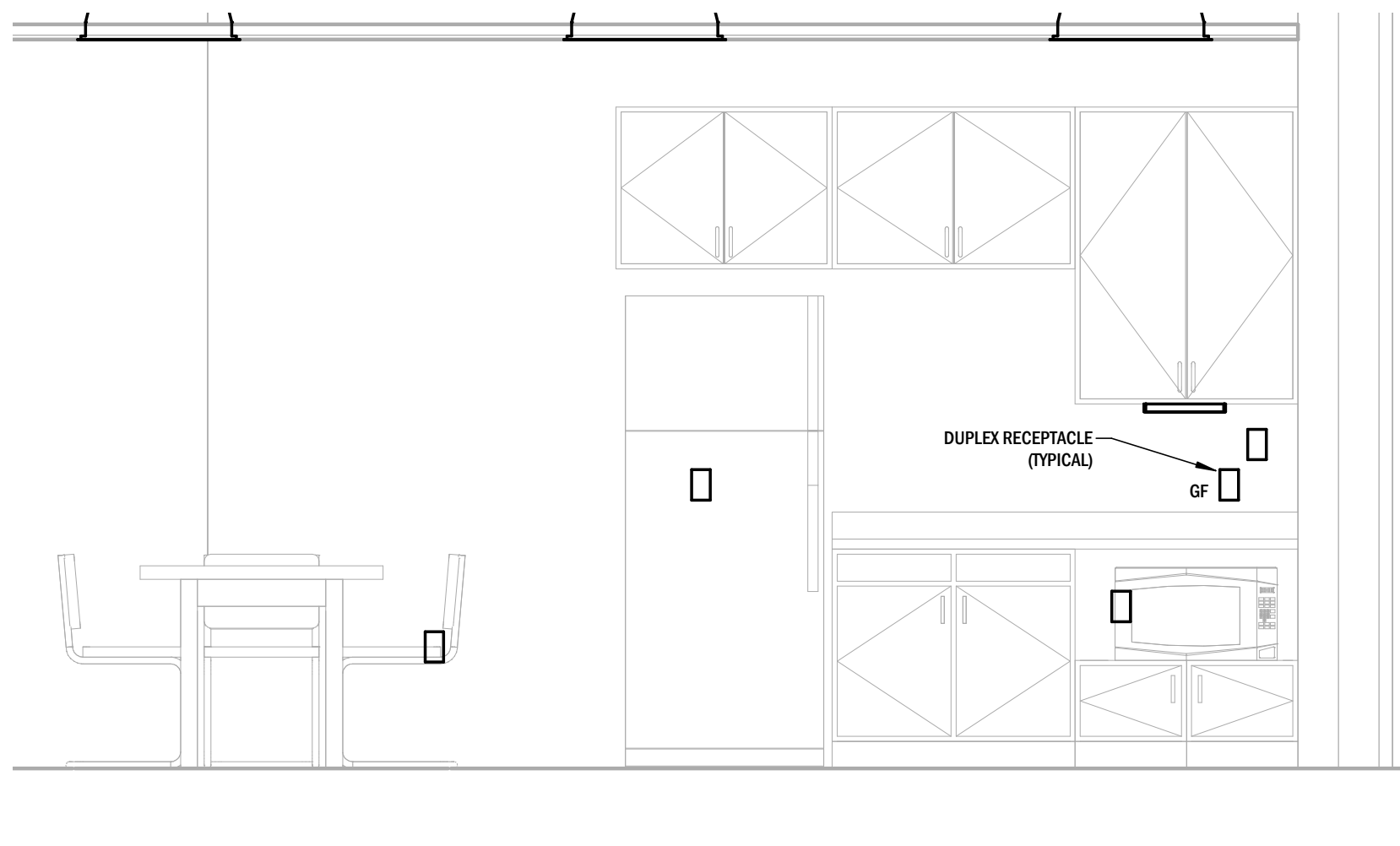
WALL MOUNT

1 SECURITY CAMERA DETAIL
Scale: NTS

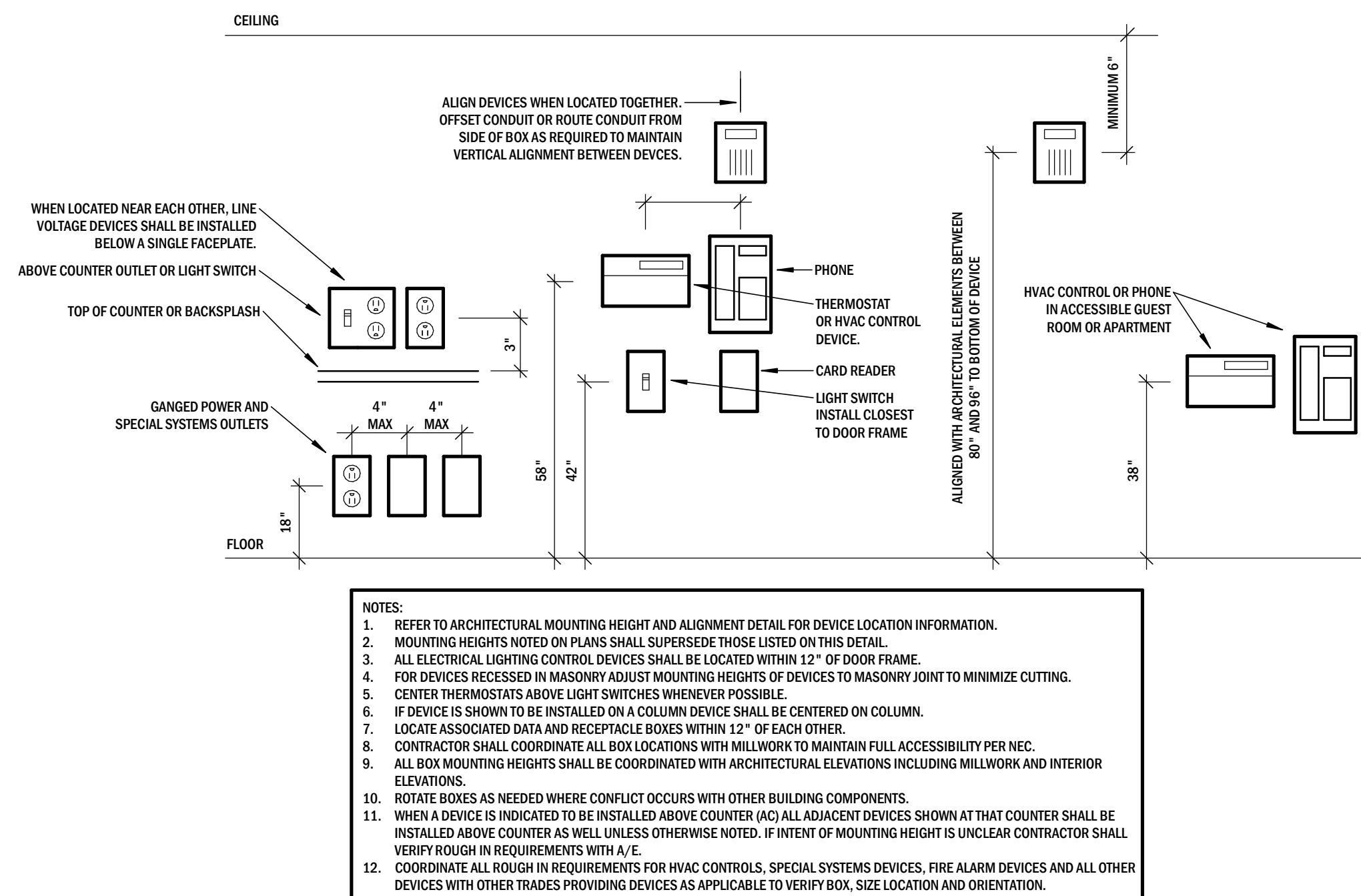


6 DATA ROUGH IN DETAIL
Scale: NTS

3 MILLWORK ELECTRICAL ELEVATION
Scale: 1/4" = 1'-0"



2 FIRST FLOOR BREAK ROOM ELECTRICAL ELEVATION
Scale: 1/2" = 1'-0"



5 ELECTRICAL DEVICE HEIGHT DETAIL
Scale: NTS

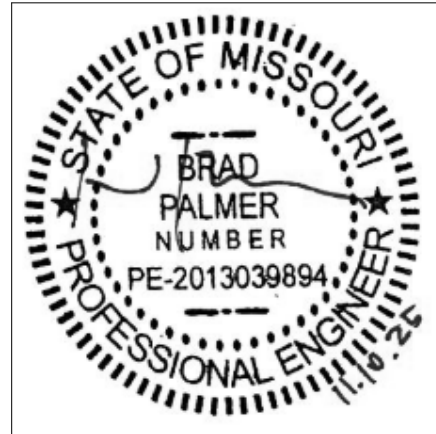
LIGHT FIXTURE SCHEDULE												
MARK	MANUFACTURER	CATALOG NUMBER	FIXTURE DESCRIPTION	MOUNTING	COLOR	LAMPS			FIXTURE LUMENS	FIXTURE WATTAGE	VOLTAGE	EQUIVALENT
						TYPE	COLOR TEMP	QUANTITY				
A	COOPER	22CGTS-L3C3	2X2 BACK LIT FLAT PANEL, COLOR AND OUTPUT SELECTABLE	REC	WHITE	LED	3500K	--	80	4700	41	UNV
B	COOPER	24CGTS-L3C3	2X4 BACK LIT FLAT PANEL, COLOR AND OUTPUT SELECTABLE	REC	WHITE	LED	3500K	--	80	6400	53	UNV
C	WILLIAMS	1SF-4 L24/835-AF12125-DRV-UNV	UNDERCABINET LIGHT	SUR	WHITE	LED	3500K	--	80	1200	29	UNV
D	VISA	CP4517-L35HQ9-MVOLT-COLOR-24	OFICI DECORATIVE PENDANT LIGHT	PEN	--	LED	3500K	--	80	4800	38	UNV
NOTES: 1. INSTALL REMOTE HEAD WHERE SHOWN ON PLANS.												
ABBREVIATIONS: AC: ACUITY LIGHTING PRODUCTS CO: COOPER LIGHTING PRODUCTS CU: CURRENT LIGHTING FP: FOCAL POINT SI: SIGNIFY SL: SURE LIGHTS WI: WILLIAMS			ABBREVIATIONS: CFL: COMPACT FLUORESCENT CRI: COLOR RENDERING INDEX MTG: MOUNTING REC: RECESSED SUR: SURFACE GND: GROUND EQUIV: EQUIVALENT			ABBREVIATIONS: MFG: MANUFACTURER QTY: QUANTITY FLR: FLUORESCENT INC: INCANDESCENT HID: HIGH INTENSITY DISCHARGE UNV: UNIVERSAL						

ELECTRICAL SYMBOLS	
FOR LIGHT SWITCH TYPES SEE LIGHTING CONTROL SCHEDULE.	
	120V, 20A DUPLEX RECEPTACLE
	DEVICE MOUNTED IN FLOOR BOX. REFERENCE SPECIFICATIONS
	DEVICE MOUNTED IN BOX AT CEILING OR IN STRUCTURE
	VOLTAGE AND AMPERAGE CORRESPONDING TO NEMA NUMBER SHOWN
	DEVICE INSTALLED ABOVE COUNTER
	GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	WEATHER PROOF WHILE IN USE COVER AND GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	TAMPER PROOF RECEPTACLE
	120, 20A QUADPLEX RECEPTACLE
	120, 20A DUPLEX RECEPTACLE WITH USB CHARGING
	DATA DEVICE
	CONCEALED SERVICE FLOOR BOX WITH DEVICE SHOWN
	SURFACE SERVICE FLOOR BOX WITH DEVICE SHOWN
	FIRE RATED POKÉ THROUGH, SURFACE SERVICE FLOOR BOX WITH DEVICE SHOWN
	FIRE ALARM VISUAL STROBE
	FIRE ALARM AUDIBLE VISUAL SPEAKER STROBE
	REMOTE FIRE ALARM ANNUNCIATOR
	MAIN FIRE ALARM PANEL
	MAGNETIC DOOR HOLD OPEN
	FIRE ALARM MANUAL PULL STATION
	SMOKE DETECTOR
	HEAT DETECTOR
	DUCT SMOKE DETECTOR
	OCCUPANCY SENSOR LIGHTING CONTROL POWER PACK
	ROUGH-IN FOR WALL MOUNT THERMOSTAT. COORDINATE WITH MECHANICAL DRAWINGS
	DISCONNECT SWITCH
	TIMESWITCH. SEE SCHEDULE FOR SPECIFICATIONS.
	PHOTOCELL
	LIGHTING CONTACTOR
	EMERGENCY LIGHT. WALL MOUNTED WHEN SHOWN TOUCHING WALL
	PENDANT LIGHT FIXTURE. SIZES VARY
	RECESSED CAN LIGHT
	SURFACE MOUNT OR SUSPENDED LINEAR FIXTURE
	RECESSED LINEAR FIXTURE
	INDICATES NIGHT LIGHT FIXTURE
	OVERHEAD ELECTRICAL CONDUCTOR
	UNDERGROUND ELECTRICAL CONDUCTOR
	COMMUNICATIONS CONDUIT/CABLING
	HOMERUN, NEW RACEWAY AND WIRING TO DESIGNATED PANEL. PROVIDE QUANTITY AND SIZE OF WIRING AS REQUIRED FOR CIRCUIT BREAKER AND DESIGNATED IN PANEL SCHEDULE.
	NEW RACEWAY AND WIRING FOR ELECTRICAL DEVICE TERMINATED AS NOTED. PROVIDE QUANTITY AND SIZE OF WIRING AS REQUIRED FOR CONNECTED ELECTRICAL DEVICE AND OCPD.
ABBREVIATIONS	
60"	DIMENSIONS NEXT TO ANY SYMBOL OR FIXTURE INDICATES MOUNTING HEIGHT TO CENTERLINE OF DEVICE
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ASC	AVAILABLE SHORT CIRCUIT CURRENT
GFCI	GROUND FAULT CURRENT INTERRUPTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
(HE)	REPRESENTS PARTIAL HOMERUN WITH REST OF CONNECTED DEVICES LOCATED ELSEWHERE ON PLANS
OCPD	OVERCURRENT PROTECTIVE DEVICE

SECTION 26000 - ELECTRICAL SPECIFICATIONS

A. GENERAL		ALL SUBMITTALS SHALL BE ORIGINALS, COPIES OF CUT SHEETS ARE NOT ACCEPTABLE.	
1. GENERAL:		8. IDENTIFICATION NAME PLATES:	
1.1. THE CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT NECESSARY TO COMPLETELY INSTALL ELECTRICAL AND RELATED WORK INDICATED ON THE DRAWINGS AND IN THESE SPECIFICATIONS.		8.0. FURNISH AND INSTALL NAMEPLATES ON ALL ITEMS OF ELECTRICAL EQUIPMENT. NAMEPLATES SHALL BE MADE FROM WHITE ENAMELWARE STOCK WITH BLACK LETTERS AND BLACK FOUR EDGE BEVEL. WORKING SHALL SURFACE DESCRIBE ITEMS AND WHEN LISTS SHALL BE ATTACHED USING PROPER SIZE AND TYPE STAINLESS STEEL BOLTS. GLUE ON TAPE ON, OR TAPE TYPE NAMEPLATES ARE NOT ACCEPTABLE.	13.4. TO FORM A CONTINUOUS ELECTRICAL CONDUCTOR, CONNECT TO ELECTRICAL BOXES, FITTINGS AND CABINETS TO PROVIDE ELECTRICAL CONTINUITY AND PROTECT MECHANICAL ASSEMBLY.
1.2. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF A COMPLETE AND FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE INTENT OF THE PLANS, WHENEVER OR NOT DUE EVIDENT THEREOF IS SPECIFICALLY CALLED OUT. PROVIDE ALL HARDWARE AND ACCESSORIES WHERE MATE ELECTRICAL INSTALLATION		8.1. AVAILABLE FAULT CURRENT:	13.5. AVOID USE OF DISSIMILAR METALS THROUGH SYSTEM TO ELIMINATE POSSIBILITY OF ELECTROLYSIS. INSTALL EXPANDED FITTINGS IN JOINTS EVERY 200' UNLESS RUN ON WELDED STRUCTURAL EXPANSION JOINTS ARE CROSSED. PROVIDE MINIMUM FULL CORN IN ALL EMPTY CONDUITS.
1.3. CONTRACTORS SHALL INSPECT THE JOB SITE AND REVIEW THE PLANS, ANY DEVIATIONS, ERRORS OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BIDDING. REQUESTS FOR ADDITIONAL FUNDS FOR EXTRA WORK WILL NOT BE HONORED WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER. FIELD VERIFY ALL EXISTING AND NEW CONDITIONS.		8.1.1. IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE FAULT CURRENT ASSUMPTIONS LISTED ON THE DRAWINGS MATCH WHAT WAS INSTALLED IN THE FIELD AND COORDINATE WITH THE ENGINEER OF RECORD WHEN SOMETHING DEVIATES FROM THOSE ASSUMPTIONS PRIOR TO LABELING THE EQUIPMENT. DEVIATIONS INCLUDE BUT ARE NOT LIMITED TO TRANSFORMER ASSUMPTIONS, CONDUIT TYPE, CONDUCTOR LENGTH, CONDUCTOR SIZE, CONDUCTOR TYPE, ETC.	1.4. CONDUIT INSTALLATION:
1.4. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL ADDITIONAL OR SPECIAL REQUIREMENTS MADE BY THE MANUFACTURER OF THE EQUIPMENT THAT THEY ARE PURCHASING AND INSTALLING AS PART OF THEIR SCOPE OF WORK. THIS INCLUDES ADDITIONAL COSTS FOR BOTH MATERIAL AND LABOR.		8.1.2. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED WITH THE MAXIMUM AVAILABLE FAULT CURRENT AS NOTED ON THE DRAWINGS AND REQUIRED BY NEC. THE FIELD MARKINGS SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATIONS WERE PERFORMED (DATE ON ENGINEERING SEAL) AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.	1.4.1. USE RIGID METAL CONDUIT FOR ALL WEATHER EXPOSED WORK. FOR ALL STUD UPS IN WITHIN AREA, FOR AIR ROOF PENETRATIONS THROUGH PATE PLUGS AND FOR FREEZER/ COOLER PENETRATIONS.
1.5. ELECTRICAL CONTRACTOR SHALL PROVIDE A ROUGH-IN CONDUIT FOR CABLE SERVICE AS INDICATED ON DRAWINGS. WHERE NOT INDICATED ON DRAWINGS CLARIFY WITH ENGINEER PRIOR TO BID.		9. WARRANTIES:	1.4.2. RIGID USE SCHEDULE 40 PVC FOR ALL UNDERGROUND WORK OR WORK INSTALLED IN CONCRETE. USE RIGID METAL CONDUIT FOR STUD-UP LOCATIONS. TRANSITION TO RIGID CONDUIT BEFORE STUD-UP. NO PVC SHALL BE EXPOSED ABOVE GRADE.
1.6. ELECTRICAL CONTRACTOR TO COORDINATE WITH THE INTERIOR DESIGNER, GC AND ARCHITECT FOR PLACEMENT OF ALL WIRING DEVICE BOXES (SWITCH, RECEPTACLE, TELEPHONE, COMMUNICATION) PRIOR TO INSTALLATION OF ROUGH-IN. IT IS THE E/C'S RESPONSIBILITY TO CONFIRM WITH THE INTERIOR DESIGNER, G.C. AND ARCHITECT FOR FINAL LAYOUT		9.0. GUARANTEE ALL ELECTRICAL SYSTEM MATERIALS AND WORKMANSHIP TO BE FREE FROM DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE AND PROPERLY CORRECT LATENT DEFECTS ARISING WITHIN THIS PERIOD UPON NOTIFICATION BY THE OWNER'S REPRESENTATIVE WITHOUT ADDITIONAL COMPENSATION.	1.4.3. USE SCHEDULE 40 PVC FOR ALL UNDERGROUND WORK OR WORK INSTALLED IN CONCRETE. USE RIGID METAL CONDUIT FOR STUD-UP LOCATIONS. TRANSITION TO RIGID CONDUIT BEFORE STUD-UP. NO PVC SHALL BE EXPOSED ABOVE GRADE.
1.7. ALL ITEMS EXPOSED TO THE EXTERIOR ARE TO BE PAINTED TO MATCH ADJACENT MATERIALS. IT IS THE CONTRACTORS RESPONSIBILITY TO INCLUDE THIS IN THEIR BID.		10. CLEANING:	1.4.4. USE FLEXIBLE METAL CONDUIT FROM OUTLET BOXES TO RECESSED LIGHTING FIXTURE AND FINAL 24" OF CONNECTION TO DEVICE. SUBJECT TO MODERATE OR VIBRATION.
1.8. ALL WIRING/CABLING INSTALLED IN A RETURN AIR FLEXUM NOT INSTALLED IN CONDUIT SHALL BE CHRYSLER/AMR RATED PER NEC.		10.0. REGULARLY REMOVE DUST AND DEBRIS ACCUMULATING FROM ELECTRICAL CONDUCTIONS AND PRIOR TO ACCEPTANCE OF THIS WORK, LEAVE THE PREMISES BROOM CLEAN INSOFAR AS AFFECTED BY ELECTRICAL WORK.	1.4.5. USE LIQUID TIGHT FLEXIBLE CONDUIT FOR FINAL 24" CONNECTION TO ITEMS WHERE SUBJECT TO ONE OR MORE OF THE FOLLOWING CONDITIONS:
2. CODE:		11. TEST AND ADJUSTMENT:	1.4.5.1. EXTERIOR LOCATION.
2.1. ALL EQUIPMENT, WIRING AND THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.), A.S.I.A. REQUIREMENTS, LIFE SAFETY CODE AND ALL APPLICABLE LOCAL AND STATE ORDINANCES.		11.0. FURNISH ALL LABOR, INSTRUMENTS AND OTHER SERVICES REQUIRED FOR COMPLETE AND SATISFACTORY TEST AND ADJUSTMENT OF ELECTRICAL SYSTEMS AND RELATED WORK FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.	1.4.5.2. MOIST OR HUMID ATMOSPHERE WHERE CONDENSATE CAN BE EXPECTED TO ACCUMULATE.
2.2. THE CONTRACTOR SHALL PAY ALL INSPECTION FEES AND PURCHASE ALL PERMITS REQUIRED FOR THIS WORK.		11.0.1. CHECK ALL MOTORS AND ROTATING EQUIPMENT FOR PROPER ROTATION.	1.4.5.3. CORROSIVE ATMOSPHERE.
3. LOCATION OF EQUIPMENT:		11.0.2. TEST ALL FEEDERS WITH MEGGER PRIOR TO ENERGIZING TO ASSURE CODE RESISTANCE IS MET.	1.4.5.4. SUBJECT TO WATER SPRAY OR DRIPPING OF WATER OR GREASE.
3.1. THE CONTRACTOR SHALL NOTE THAT THE ELECTRICAL DRAWINGS ARE INTENDED TO INDICATE ONLY THE EXTENT DIAGRAMMATICALLY GENERAL CHARACTER AND LOCATION OF THE WORK. WORK WHENED, BUT HAVING MINOR DETAIL, GROSSLY LIMITED, SHALL BE FURNISHED AND INSTALLED COMPLETE BY THIS CONTRACTOR AT THEIR DISPENSE.		11.0.3. CHECK ALL FUSES AND OVERLOADS FOR PROPER SIZING.	1.4.5.5. FINAL CONNECTION TO ROTATING OR VIBRATING EQUIPMENT.
3.2. THE CONTRACTOR SHALL VISIT THE SITE OF THE WORK AND THOROUGHLY REVIEW ALL DRAWINGS, SPECIFICATIONS AND POSSIBLE ADDENDA PRIOR TO BIDDING ON THE WORK. NO EXTRAS TO HIS CONTRACTOR WILL BE ALLOWED FOR FAILURE TO COMPLY WITH THIS REQUIREMENT.		11.0.4. CHECKING OF ALL ELECTRICAL POWER AND CONTROL WIRING, INTERLOCKS, ETC. RELATED TO MECHANICAL INSTALLATIONS TO DETERMINE THAT ALL WIRING IS CORRECT.	1.4.6. CUT CONDUITS STRAIGHT, PROPERLY BEAM AND CUT THE ENDS FOR HEAVY WALL CONDUIT DEEP AND CLEAN.
4. ROUGH-IN:		11.0.5. ALL EQUIPMENT FURNISHED BY THIS CONTRACTOR WHOSE TEST PROVE TO BE DEFECTIVE OR OPERATING IMPROPERLY SHALL BE REMOVED BY THIS CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.	1.4.7. FIELD BEND CONDUIT WITH BENDERS DESIGNED FOR THE PURPOSE SO AS NOT TO DISTORT NOR VARY INTERNAL DIAMETER.
4.1. VERIFY FINAL LOCATIONS FOR ROUGH-INS WITH SHOP DRAWINGS, FIELD MEASUREMENTS AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED PRIOR TO ROUGH-IN.		8. PRODUCTS	2. CONDUCTORS
4.2. REFER TO EQUIPMENT SPECIFICATIONS IN ALL SPECIFICATION DIVISIONS FOR ROUGH-IN REQUIREMENTS.		1. RACEWAYS:	2.1. ALUMINUM FEEDERS:
5. INSTALLATION:		1.1. MC CABLE	2.1.1. WHEN ALLOWED BY LOCAL AUTHORITIES, CONTRACTOR SHALL HAVE OPTION TO PROVIDE ALTERNATE PRICING FOR ALUMINUM FEEDERS FROM UTILITY TRANSFORMER TO MAIN DISTRIBUTION PANEL.
5.1. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN A NEAT AND PROPER CLASS MANNER, LEVEL AND PLUMB AND SECURELY SUPPORTED. THE ENTIRE INSTALLATION AND MANNER OF INSTALLATION SHALL MEET THE COMPLETE SATISFACTION OF THE OWNER'S REPRESENTATIVE OR IT SHALL BE REMOVED AND REMOVED AS DIRECTED BY THE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S DISPENSE.		1.2. INSTALLATION	2.1.2. CONTRACTOR SHALL RIGID FEEDER SIZE ACCORDINGLY TO ACCOMMODATE ADDITIONAL VOLTAGE DROP AND ALUMINUM FEEDER RATED AMPACITY.
5.2. ALL WIRING SHALL BE IN CONDUIT. MC CABLE SHALL BE ALLOWED WHERE A NEW DEVICE IS INDICATED ON PLANS TO BE INSTALLED IN AN EXISTING WALL. THE USE OF BX, NM, OR PREMANUFACTURED CABLE ASSEMBLIES SHALL NOT BE PERMITTED.		1.2.1. EXTENT OF RACEWAY WORK IS INDICATED DIAGRAMMATICALLY ON THE DRAWINGS AND IN THE SCHEDULES.	2.2. CONDUCTORS:
5.3. ALUMINUM WIRE SHALL NOT BE PERMITTED FOR BRANCH CIRCUIT WIRING.		1.2.2. WHEN THE SIZE IS NOT INDICATED ON PLANS, CONDUIT SHALL BE SIZED FOR CONDUCTORS IN ACCORDANCE WITH TABLES 310(B)(16), CHAPTER 9 OF THE N.E.C.	2.2.1. CONDUCTOR SIZES SHALL BE AS INDICATED IN PANEL SCHEDULE.
6. CUTTING AND PATCHING:		1.2.3. THE ROUTING AND METHOD OF INSTALLATION OF ALL CONDUITS SHALL BE CO-ORDINATED SO AS NOT TO INTERFERE WITH OTHER EQUIPMENT INSTALLATIONS AND SHALL MEET WITH THE COMPLETE SATISFACTION OF THE OWNER'S REPRESENTATIVE.	2.2.2. GROUNDING CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH NEC TABLE 250.122.
6.1. ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL WORK SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.		1.2.4. USE ONLY THE TYPES OF RACEWAYS SPECIFIED HEREIN.	2.2.3. ALL WIRE SHALL BE COPPER WITH THIN INSULATION.
6.2. NO ADDITIONAL COMPENSATION WILL BE AUTHORIZED FOR CUTTING AND PATCHING WORK THAT IS NECESSITATED BY ELI, TIMED, DEFECTIVE, OR NON CONFORMING INSTALLATIONS.		1.2.5. TYPES OF RACEWAYS SPECIFIED IN THIS SECTION INCLUDE THE FOLLOWING:	2.2.4. THE USE OF ARMORED, BX, NM OR ANY MANUFACTURED CABLE ASSEMBLY (DCEPT MC) SHALL NOT BE INCORPORATED INTO THE WORK.
6.3. CONTRACTOR SHALL VERIFY TRANSFORMER LOCATION AND METERING SCHEME WITH LOCAL UTILITY PRIOR TO BID.		1.2.5.1. ELECTRICAL METALLIC TUBING (EMT): MINIMUM TRADE SIZE 0.5"	2.2.5. ALL WIRING SHALL BE IN CONDUIT.
7. ELECTRICAL SUBMITTALS:		1.2.5.2. FLEXIBLE METAL CONDUIT: MINIMUM TRADE SIZE 0.5"	2.2.6. COLOR CODING OF CONDUCTORS SHALL BE AS FOLLOWS:
7.1. REFER TO THE CONDITIONS OF THE CONTRACT (GENERAL AND SUPPLEMENTARY) AND DIVISION 10000, SECTION SHOP DRAWINGS, PRODUCT DATA AND SAMPLES FOR SUBMITTAL DEFINITIONS, REQUIREMENTS AND PROCEDURES.		1.2.5.3. LIQUID TIGHT FLEXIBLE METAL CONDUIT (SEALTIGHT): MINIMUM TRADE SIZE 0.5"	2.2.6.1. 120/208V SYSTEMS: PHASE A - BLACK, PHASE B - RED, PHASE C - BLUE, NEUTRAL - WHITE, GROUND - GREEN.
7.2. IN ADDITION TO THE REQUIREMENTS OF DIVISION 10000 THE FOLLOWING APPLIES TO THE SUBMITTALS OF THIS DIVISION:		1.2.5.4. RIGID METAL CONDUIT: MINIMUM TRADE SIZE 0.5"	2.2.6.2. 277/480V SYSTEMS: PHASE A - YELLOW, PHASE B - BROWN, PHASE C - ORANGE, NEUTRAL - NATURAL GRAY, GROUND - GREEN.
7.2.1. NO ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN THE PROJECT UNTIL SUBMITTALS HAVE BEEN ACCEPTABLY REVIEWED BY THE OWNER'S REPRESENTATIVE AND STAMPED ACCORDINGLY.		1.2.5.5. RIGID NONMETALLIC CONDUIT (PVC) SCHEDULE 40: MINIMUM TRADE SIZE 0.5"	2.2.7. AWG #10 AND SMALLER SHALL BE SOLID. AWG #8 AND LARGER SHALL BE STRANDED.
7.2.2. SUBMITTALS OF CUT SHEET AND TECHNICAL DATA SHALL BE MADE ON THE FOLLOWING ITEMS: LIGHTING EQUIPMENT, PANELS, WIRING DEVICES, DISCONNECT SWITCHES, MOTOR STATIVES, TRANSFORMERS.		1.2.6. ALL LOW VOLTAGE WIRING THAT IS NOT PLENUM RATED SHALL BE INSTALLED IN CONDUIT.	2.2.8. ALL LOW VOLTAGE WIRING THAT IS NOT PLENUM RATED SHALL BE INSTALLED IN CONDUIT.
		1.2. FITTINGS	2.3. WIRE CONNECTIONS:
		1.2.1. FITTINGS FOR EMT SHALL BE SET SCREW OR COMPRESSION TYPE WITH FACTORY INSTALLED INSULATED THROUGH CONNECTORS. SET SCREW OR POT METAL FITTINGS ARE NOT ACCEPTABLE.	2.3.1. ALL FEEDER AND SUB FEEDER WIRING CONNECTIONS SHALL BE MADE WITH COMPRESSION CONNECTORS BY SQUARE D OR ACCEPTABLE EQUIVALENT.
		1.2.2. FITTINGS FOR RIGID CONDUIT SHALL BE STEEL THROUGHTYPE.	2.3.2. ALL BRANCH WIRING CONNECTION SHALL BE 3M SCOTCH LOCK CONNECTORS OR ACCEPTABLE EQUIVALENT.
		1.2.3. FITTINGS FOR PVC SHALL BE SCHEDULE 40 GLUE ON TYPE.	2.3.3. WHERE CABLE CONNECTIONS REQUIRE INSULATION, SCOTCH #33, ELECTRICAL TAPE SHALL BE USED FOR WRAPPING.
		1.3. INSTALLATION OF RACEWAYS:	3. BOXES AND FITTINGS
		1.3.1. ALL CONDUITS SHALL BE INSTALLED CONCEALED. EXCEPT IN EQUIPMENT ROOM, CHASES OR AS INDICATED ON THE DRAWINGS, ALL CONDUITS, EXPOSED AND CONCEALED SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING LINES AND SHALL BE GROUPED TOGETHER AS MUCH AS POSSIBLE. A SEPARATE GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL RUNS. WHERE SIZES LARGER THAN #12 AWG ARE REQUIRED BY THE NEC, THE CONDUCTOR SHALL BE SIZED AS INDICATED IN THE N.E.C. ALL GROUNDING CONDUCTORS SHALL HAVE A GREEN OUTER COVERSING, OR GREEN MARKING TAPE OVER THEIR ENTIRE EXPOSED LENGTHS.	3.1. BOXES AND FITTINGS:
		1.3.2. MECHANICALLY FASTEN TOGETHER METAL CONDUITS, ENCLOSURES AND RACEWAYS FOR CONDUCTORS	3.1.1. EXTENT OF ELECTRICAL BOX AND ASSOCIATED FITTING WORK IS INDICATED BY DRAWINGS AND SCHEDULES.
			3.2. OUTLET BOXES:
			3.2.1. CEILING, 4" SQUARE, 2-1/8" DEEP FOR EXPOSED OR FLURRED WORK, 3" DEEP FOR BOXES POURED IN CONCRETE. PROVIDE CONCRETE FOUR SIDES OF THE TYPE SPECIALLY OBSERVED FOR THE APPLICATION. PROVIDE PLASTER RINGS WHERE REQUIRED.
			3.2.2. WALL, 4" SQUARE, 2-1/8" DEEP BOXES. PROVIDE EXTENSION RINGS OR COVERS OF SUFFICIENT DEPTH TO BRING COVERS FLUSH WITH THE FINISHED SURFACE.
			3.2.3. MASONRY FOR FLUSH MOUNTED BOXES IN EXPOSED MASONRY OR TILE. PROVIDE COVERS WITH SQUARE CORNERS; ON THE BASED PORTION AND WITH SUFFICIENT DEPTH TO TRIM OUT FLUSH WITH FINISHED SURFACE.
			3.2.4. EXPOSED AND KITCHEN EQUIPMENTS: PROVIDE FS OR FB BOXES WITH SUITABLE WEATHERPROOF COVERS.
			3.2.5. RAISED PLATFORM FLOOR, WHERE SHOWN IN FLOOR OF BASED PLATFORM, 4-7/8"x6-1/2" ISG. RS-4-120S RECESSED FLOOR BOX WITH TWO DOUBLE GANG OPENINGS, INSERT BRACKETS, BLACK DUAL DOOR COVER WITH SOLID COVER.
			3.2.6. SURFACE SERVICE FLOOR BOX, 10 AND BOX WITH STEEL POKE THROUGH CONSTRUCTION. BOX SHALL BE FIRE RATED AND UL LISTED FOR USE IN 1-4 HOUR RATED FLOORS. BOX SHALL BE ADJUSTABLE FOR CONCRETE FLOOR THICKNESS BETWEEN 2-1/2" AND 7" FLOOR THICKNESS AND SHALL BE EQUIPPED WITH (2) 1" EMT CONDUIT ENTRIES MINIMUM. PROVIDE CONCRETE CAP AND UNIVERSAL COVER.
			3.2.7. COVER PLATE SHALL BE BLACK UNLESS OTHERWISE NOTED.
			3.2.8. CONCEALED SERVICE FLOOR BOX FOR CONCRETE FLOORS. STEEL, RECTANGULAR BOX WITH FOUR COMPARTMENT. SHALL LOW STAMPED CONSTRUCTION. MAXIMUM BOX DEPTH SHALL BE 2-1/2" WITH CONDUIT ENTRY SIZE UP TO 1.25". PROVIDE DEVICE BRACKETS AS REQUIRED TO INSTALL DEVICES SHOWN ON PLANS. BOX SHALL BE DESIGNED FOR FIELD TIGHT UNLIMING TO ADJACENT COMPARTMENTS. PROVIDE COVER ASSEMBLY WITH FLANGED COVER FOR USE IN TILE OR CARPETED
			3.2.9. INSTALLATION, COVER SHALL BE EQUIPPED WITH INSERT IN LID TO ALLOW FOR CARPET OR TILE CUTOUTS TO MATCH FINISHED FLOOR. PROVIDE BLACK COVER UNLESS OTHERWISE NOTED.
			3.2.10. CONCEALED SERVICE FLOOR BOX FOR WOOD FRAEMED FLOORS: RECTANGULAR BOX WITH TWO COMPARTMENT, SHALL LOW STAMPED STEEL CONSTRUCTION. MAXIMUM BOX DEPTH SHALL BE 2-1/2" WITH CONDUIT ENTRY SIZE UP TO 1.25". PROVIDE DEVICE BRACKETS AS REQUIRED TO INSTALL DEVICES SHOWN ON PLANS. PROVIDE COVER ASSEMBLY WITH FLANGED COVER FOR USE IN TILE OR CARPETED
			3.3. PULL AND JUNCTION BOXES:
			3.3.1. PROVIDE BOXES WHERE REQUIRED TO FACILITATE THE PULLING OF WIRES OR CABLES. BOXES SHALL BE IN ACCORDANCE WITH ARTICLE 31 OF THE NEC.
			3.4. ACCESSORIES:
			3.4.1. PROVIDE CORROSION RESISTANT KNOCKOUT CLOSURES, CONDUIT LOCKOUTS AND MAILABLE IRON CONDUIT BUSWINGS, OFFSET CONNECTORS, OF TYPES AND SIZES, TO SUIT RESPECTIVE INSTALLATION REQUIREMENTS AND FITTINGS.
			3.5. INSTALLATION OF BOXES AND FITTINGS:
			3.5.1. POSITION RECESSED OUTLET BOXES ACCURATELY TO ALLOW FOR SURFACE FINISH THICKNESS.
			3.5.2. FASTEN ELECTRICAL BOXES FIRMLY AND RIGIDLY TO SUBSTRATES OR STRUCTURAL SURFACES TO WHICH ATTACHED OR SOLIDLY EMBED ELECTRICAL BOXES IN CONCRETE OR MASONRY.
			3.6. LOCATIONS OF OUTLETS:
			3.6.1. IN GENERAL, THE VARIOUS OUTLETS ARE TO BE LOCATED AT THE FOLLOWING HEIGHTS ABOVE FINISHED FLOOR TO THE CENTER LINE OF BOX, UNLESS NOTED OTHERWISE AS AN INDIVIDUAL OUTLET ON THE DRAWINGS.
			3.6.1.1. WALL SWITCHES, 48" AFF.
			3.6.1.2. RECEPTACLES, 18" AFF.
			3.6.1.3. DATA/VOICE OUTLETS, 18" AFF.
			3.6.1.4. OUTLETS ABOVE COUNTERTOPS, 47" ABOVE BACKSPASH.
			3.6.2. OUTLET MOUNTING HEIGHTS INDICATED ON THE DRAWINGS AT THE OUTLETS TAKE PRECEDENCE. REFER TO DRAWINGS FOR DETAILS OF OTHER EQUIPMENT MOUNTING HEIGHTS.
			3.6.3. ALL RECEPTACLES INSTALLED IN A KITCHEN OR RESTROOM OR FOR USE BY A WINTER COOLER IN A COMMERCIAL FACILITY SHALL BE PROVIDED WITH GFCI PROTECTION REGARDLESS IF NOTED ON THE PLANS.
			3.6.4. ALL RECEPTACLES INSTALLED IN A KITCHEN OR RESTROOM OF A NON-COMMERCIAL FACILITY SHALL BE PROVIDED WITH GFCI PROTECTION AS REQUIRED BY NEC REGARDLESS IF NOTED ON THE PLANS.
			4. CONNECTIONS FOR EQUIPMENT:
			4.1. GENERAL: FOR EACH ELECTRICAL CONNECTION INDICATED PROVIDE COMPLETE ASSEMBLY OF MATERIALS, INCLUDING (BUT NOT NECESSARILY LIMITED TO), PRESSURE CONNECTORS, TERMINALS (LUGS), ELECTRICAL INSULATING TAPE, HEAT SHRINKABLE INSULATING TUBING, CABLE TIES, SOLDERLESS WIRE NUTS, AND OTHER ITEMS AND ACCESSORIES AS NEEDED TO COMPLETE SPLICES AND TERMINATIONS OF TYPES INDICATED.
			5. WIRING DEVICES:
			5.1. GENERAL:
			5.1.1. THE EXTENT OF WIRING DEVICE WORK IS INDICATED BY THE DRAWINGS AND SCHEDULES.
			5.1.2. PROVIDE WIRING DEVICES WHICH ARE U.L. LISTED AND LABELED.
			5.2. ACCEPTABLE MANUFACTURERS:
			5.2.1. HUBBELL, INTERMATIC, GENERAL ELECTRIC, LEVITON, COOPER WIRING DEVICES
			5.3. FABRICATED WIRING DEVICES:
			5.3.1. SWITCHES SHALL BE 20 AMP, 120/277 VOLT RATED, HUBBELL #1221-1 W/RY OR WHITE.
			5.3.2. DIMMER SWITCHES SHALL BE LEVITON HP SERIES, W/RY OR WHITE, SLIDE DIMMER SWITCH WITH ON/OFF POSITION. LOW VOLTAGE CONTINUITY AS REQUIRED FOR CONNECTED LIGHT SWITCHES. LINE VOLTAGE SWITCHES SHALL BE 120/277V RATED AT 20A.
			5.3.3. RECEPTACLES SHALL BE 20 AMP, 125 VOLT RATED, HUBBELL #Y982-1 W/RY OR WHITE, FOR OTHER APPLICATIONS REFER TO THE DRAWINGS.
			5.3.4. USG RECEPTACLES SHALL BE 20 AMP, 125 VOLT RATED, HUBBELL HUS6202- COLOR TO MATCH OTHER DEVICES.
			5.3.5. PROVIDE SMOOTH FINISH PLATES FOR ALL DEVICES WITH APPROPRIATE MOUNTING ARRANGEMENTS FOR DAIKED DEVICES. FOR TELEPHONE AND COMPUTER, AMB AND MICROPHONE OUTLETS, PROVIDE BUSHED HOLE COVER PLATE. PLATES SHALL BE W/RY, WHITE OR STAINLESS STEEL.
			5.3.6. ELECTRONIC TIMER SWITCHES SHALL BE INTERMATIC E2235 15,30,45,60,120 MINUTE TIMER WITH 120V RATING, 1-BROW MAXIMUM WATTAGE AND COLOR TO MATCH OTHER DEVICES.
			6. PANEL BOARDS:
			6.1. ACCEPTABLE MANUFACTURERS:
			6.1.1. SQUARE D, SIEMENS, GENERAL ELECTRIC, CUTLER HAMMER
			6.2. CONSTRUCTION:
			6.2.1. PROVIDE DEAD FRONT SAFETY CONSTRUCTED, FACTORY ASSEMBLED CIRCUIT BREAKER TYPE PANEL. BOARDS IN SIZES AND RATINGS AS INDICATED. EQUIP WITH PANEL BOARD UNIT DEVICE, OF TYPES, RATINGS AND CHARACTERISTICS INDICATED. BUS STRUCTURE AND MAIN LUGS OF MAIN BREAKER SHALL HAVE CURRENT RATINGS AS SHOWN ON THE PANEL BOARD SCHEDULE. BUS BAR CONNECTIONS TO THE BRANCH CIRCUIT BREAKERS SHALL BE "THREE SEQUENCE" TYPE. THREE PHASE, FOUR WIRE BUSBSSING SHALL BE SUCH THAT ANY THREE ADJACENT SINGLE POLE BREAKERS ARE INDIVIDUALLY CONNECTED TO EACH OF THE THREE DIFFERENT PHASES IN SUCH A MANNER THAT TWO OR THREE-POLE
			6.2.2. BREAKERS CAN BE INSTALLED AT ANY LOCATION. ALL CURRENT CARRYING PARTS OF THE BUSS ASSEMBLY SHALL BE PLATED COVER WITH CONDUCTIVITY OF NOT LESS THAN 90%.
			6.2.3. PANEL BOARD ENCLOSURES SHALL BE CONSTRUCTED WITH MULTIPLE KNOCKOUTS AND WIRING CUTTERS. PROVIDE FRAMES WITH ADJUSTABLE TRIM CLAMPS, AND DOORS WITH FLUSH LOCKS AND KEYS. ALL PANEL BOARD ENCLOSURES SHALL BE KEYS ALIKE, WITH CONCEALED PAND CORN RINGS. EQUIP WITH INTERIOR CIRCUIT DIRECTOR FRAME AND CABINETS WITH CLEAR PLASTIC COVERING. PROVIDE BASED GRAY ENAMEL FINISH OVER A RUST INHIBITOR COATING.
			6.2.4. PROMOTE ENCLOSURES FABRICATED BY SAME MANUFACTURER AS PANEL BOARDS.
			6.3. ALL NEW AND EXISTING PANELS AFFECTED BY THE WORK OF THIS PROJECT SHALL BE PROVIDED WITH A TYPED CIRCUIT DIRECTORY.
			7. LIGHTING FIXTURES
			7.1. GENERAL:
			7.1.1. INSTALL LIGHTING FIXTURES CAREFULLY TO PREVENT DAMAGE, BREAKING AND SCORING. DO NOT INSTALL DAMAGED FIXTURES OR COMPONENTS. REPLACE WITH NEW.
			7.1.2. STORE LIGHTING FIXTURES IN A CLEAN DRY PLACE. PROTECT FROM WEATHER, DIRT, DEBRIS, WATER, CONSTRUCTION DEBRIS AND PHYSICAL DAMAGE.
			7.1.3. SHIP FIXTURES FACTORY ASSEMBLED WITH PARTS REQUIRED FOR A COMPLETE INSTALLATION.
			7.1.4. FLUORESCENT BALLAST SHALL BE CLASS P, LOW ENERGY RAPID START SOUND RATED.
			7.1.5. PROVIDE LAMP BALLAST CAPABLE OF OPERATING LAMP TYPES WITH RATINGS INDICATED. REACTOR TYPE, HIGH POWER FACTOR CORE AND COIL ASSEMBLY. ENCAPSULATED IN NON MELT RESIN.
			7.1.6. PROVIDE FLUORESCENT LAMPS OF TYPES INDICATED.
			7.1.7. PROVIDE HID LAMPS IN WATTAGES AND TYPES INDICATED.
			7.1.8. PROVIDE INCANDESCENT LAMPS IN THE SIZES AND RATED FOR 130 VOLTS AND WITH WATTAGE AS INDICATED.
			7.1.9. PROVIDE FIXTURES AND/OR FIXTURE OUTLET BOXES WITH HANGERS TO PROPERLY SUPPORT FIXTURE WEIGHT.
			7.1.10. INSTALL FLUSH MOUNTED FIXTURES TO ELIMINATE LIGHT LEAKAGE BETWEEN FRAME AND FINISHED SURFACE.
			7.1.11. AT DATE OF SUBSTANTIAL COMPLETION REPLACE LAMPS IN ALL FIXTURES WHICH ARE OBSERVED TO BE OPERATIVE OR NOTICEABLE DAMAGED AFTER CONTRACTORS USE AS ADJUDGED BY THE OWNER'S REPRESENTATIVE.
			C. ELECTRICAL DEMO NOTES:
			1. INFORMATION ON THESE DRAWINGS REPRESENTS INFORMATION FROM OLD DRAWINGS AND LIMITED SITE INSPECTIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. NO EXTRAS SHALL BE PAID DUE TO UNANTICIPATED CONDITIONS.
			2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, PATCH, AND REPAIR OF ALL WALL AND FLOOR SYSTEMS AS REQUIRED DUE TO NEW CONSTRUCTION. MAINTAIN ALL PRE-EXISTING.
			3. FOR ALL EXISTING FIXTURES, RECEPTACLES, WIRING, EQUIPMENT, ETC. SHOWN TO BE REMOVED, THE OWNER SHALL HAVE THE FIRST RIGHT OF RETICAL.
			4. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL ELECTRICAL DEVICES AND WIRING IN ALL DEMOLISHED WALLS WHETHER SPECIFICALLY INDICATED OR NOT.
			5. WHERE DEMOLISHED DEVICES ARE PART OF A CIRCUIT THAT IS THRU-WIRED, OR HAS ADDITIONAL DEVICES ON THE CIRCUIT THAT ARE TO REMAIN UNCHANGED, THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE EXISTING CIRCUIT. ANY ADDITIONAL CONDUIT, CONDUCTOR, BOXES, ETC. NEEDED TO ADAPT THE EXISTING CIRCUIT TO MAINTAIN THE INTEGRITY ARE THE RESPONSIBILITY OF THIS CONTRACTOR AND SHALL BE INCLUDED IN BID.
			6. REMOVE CONDUIT IN ALL DEMOLISHED WALLS.
			7. REMOVE ANY UNUSED CONDUCTORS, CONDUIT, AND WIRING IN DEMOLISHED WALLS LOCATED WITHIN THE AREA OF CONSTRUCTION. REMOVE ALL UNUSED WIRING. CONDUIT CAN BE ABANDONED IN PLACE WHERE IT WILL REMAIN CONCEALED.
			8. REMOVE AND REPLACE DEVICES AS REQUIRED DUE TO NEW WALL OR CEILING FINISHES.
			9. WHEN A FIXTURE, DEVICE OR PIECE OF EQUIPMENT IS NOTED FOR REMOVAL ALONG WITH ASSOCIATED WIRING OR ASSOCIATED WIRING AND CONDUIT, CONTRACTOR SHALL REMOVE WIRING AND CONDUIT BACK TO NEAREST JUNCTION BOX SO THAT NO CONDUIT OR WIRING IS EXPOSED IN OCCUPIED AREA. WIRING SHALL BE DISCONNECTED UPSTREAM OF REMOVED FIXTURE, DEVICE OR PIECE OF EQUIPMENT SO THAT WIRING TERMINATION CANNOT BE ACCIDENTALLY ENERGIZED.

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Greene County Historic
Courthouse Recorders Office

940 N. Boonville Ave,
Springfield, MO 65802

11.07.2025

GCRO

Drawn By: AJW

Checked By: BRP

Revisions:

ELECTRICAL
SPECIFICATIONS

E301