

TENANT IMPROVEMENTS FIRST FLOOR CITY-COUNTY BUILDING 210 MARTIN LUTHER KING, JR. BLVD. MADISON, WISCONSIN

ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT
A.F.F.	ABOVE FINISHED FLOOR
AL	ALUMINUM
AP	ACCESS PANEL
CF	POLISHED CONCRETE RETROPLATE
CG	CORNER GUARD
CJ	CONTROL JOINT
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CT	CERAMIC TILE
CUH	CABINET UNIT HEATER
EJ	EXPANSION JOINT
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FO	FOUNDATION DRAIN SYSTEM FLUSHOUT
FRT	FIRE TREATED
FX-#	FIRE EXTINGUISHER AND TYPE
GWB	GYPSUM WALL BOARD
HM	HOLLOW METAL
MB	MARKER BOARD
TB	TACK BOARD
BB	BULLETIN BOARD
M.O.	MASONRY OPENING
N.I.C.	NOT IN CONTRACT
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED OWNER INSTALLED
OPP	OPPOSITE
P.LAM.	PLASTIC LAMINATE
REV	REVERSE
RP	RESILIENT PANEL
R.O.	ROUGH OPENING
S.S.	STAINLESS STEEL
TZO	TERRAZZO
U.N.O.	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
WD	WOOD
WP	WATER PROOFING
WPT	WORK POINT

MAJOR USE & OCCUPANCY CLASSIFICATION: B
CONSTRUCTION CLASSIFICATION: IB
PROJECT AREA: 14,500 S.F.
SPRINKLERED
MAXIMUM EXIT ACCESS TRAVEL DISTANCE: 300'

EXISTING FIRST FLOOR FLOOR TO FLOOR STRUCTURE HEIGHT: 14'-0"

INDEX OF DRAWINGS

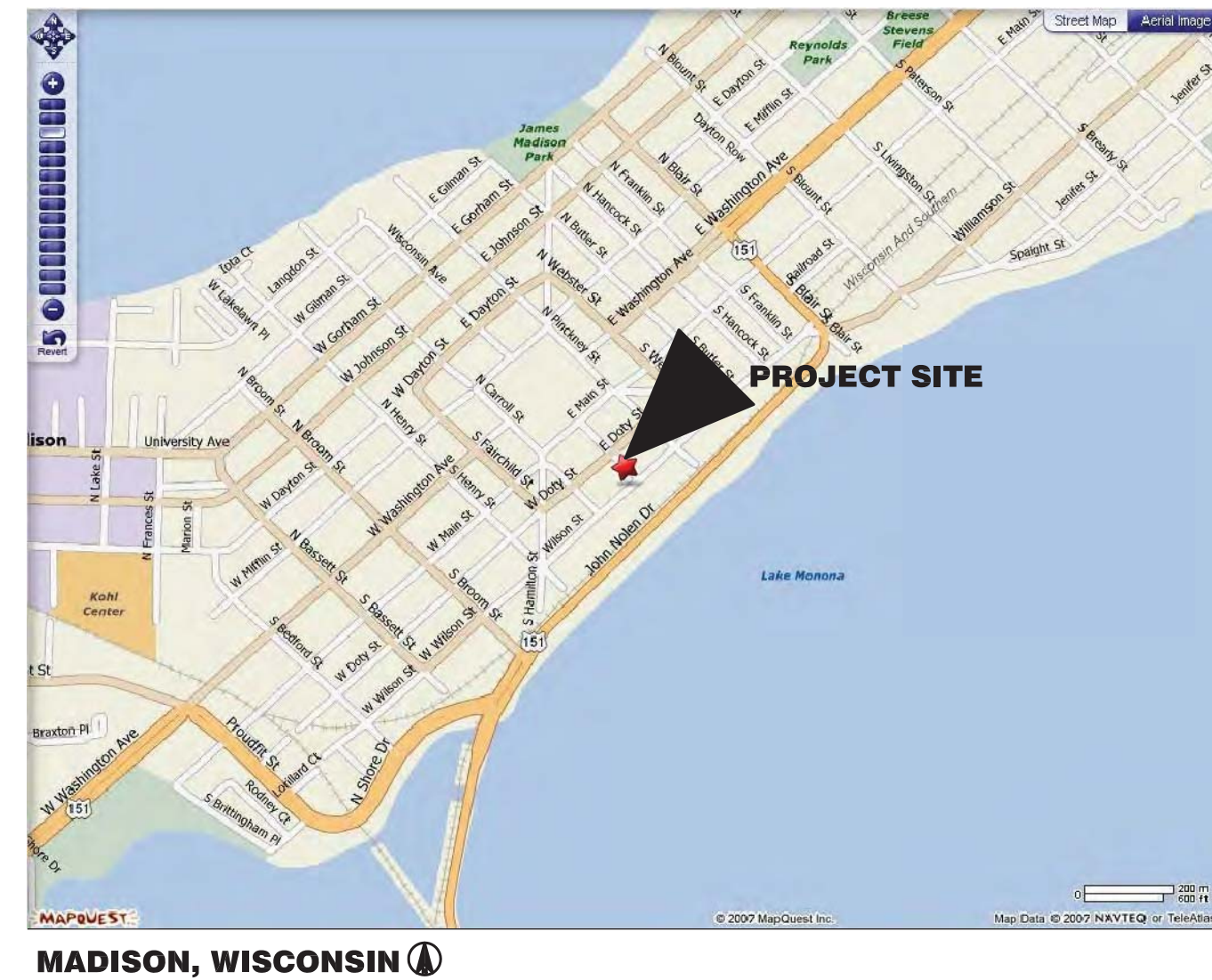
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E2.0	ELECTRICAL SCHEDULE AND DETAILS
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SCHEDULE OF ALTERNATE BIDS

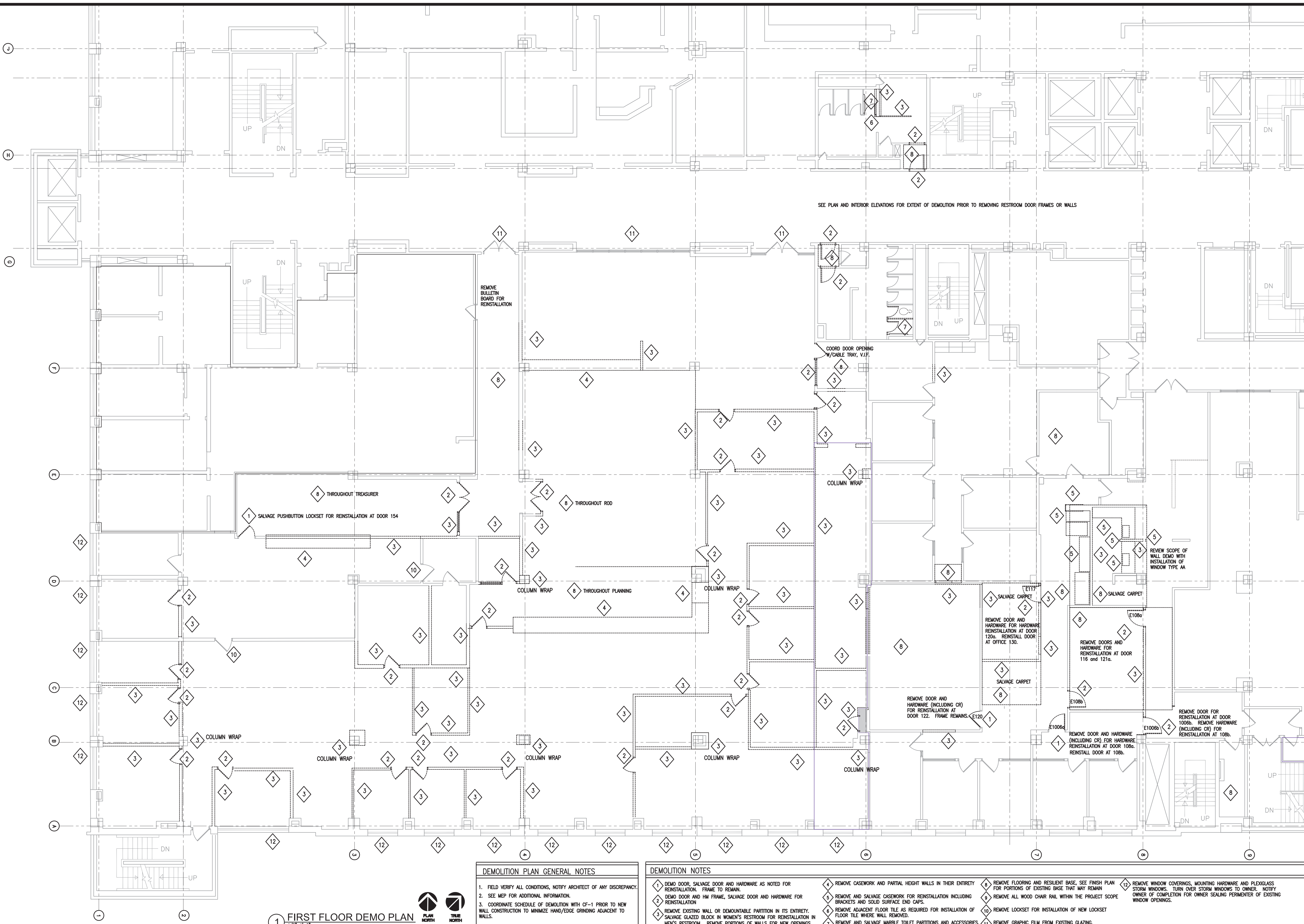
- ALTERNATE BID 1: COMPLETE COUNTY CLERK OPEN OFFICE 108 WORK BETWEEN THE HOURS OF 4:00PM-7:00 AM. SEE SECTION 01 00 00, 1.2. D. PHASING PLAN.
- ALTERNATE BID 2: LED DOWNLIGHTS, SEE ELECTRICAL.
- ALTERNATE BID 3: COMPLETE GRINDING ASSOCIATED WITH CF-1 RETROPLATE POLISHED CONCRETE, SECTION 03 36 02, BETWEEN THE HOURS OF 4:00PM-7:00 AM.
- ALTERNATE BID 4: DEDUCT PRICE IF DEMOLITION WORK WERE TO BE COMPLETED BY OWNER. SCOPE OF WORK INCLUDES D2.1, D3.1, P1.1, M1.1, AND ED1.0 WITH THE FOLLOWING EXCEPTIONS:
 - ON SHEET ED1.0, REMOVAL OF PANELS LP1-4, LP1-4A, LP1-4B, LP1-4C SHALL REMAIN BY CONTRACTOR.
 - CLEANING OF EXISTING DUCTWORK AS NOTED ON DRAWING M1.1 SHALL REMAIN BY CONTRACTOR.
 - REMOVAL OF EXISTING VAV AIR TERMINAL UNITS SHALL REMAIN BY CONTRACTOR.
 - REMOVAL AND RELOCATION OF EXISTING THERMOSTATS SHALL REMAIN BY CONTRACTOR.
 OWNER TO SALVAGE MATERIALS AND TURN OVER TO CONTRACTOR WHERE SCHEDULED FOR REINSTALLATION.

ARCHITECTURAL SYMBOLS AND LEGEND

	DETAIL REFERENCE SHEET REFERENCE DETAIL NUMBER
	WALL SECTION REFERENCE SHEET REFERENCE DETAIL NUMBER
	WALL SECTION REFERENCE SHEET REFERENCE DETAIL NUMBER
	ELEVATION REFERENCE
	PARTITION TYPE REF. SEE SHEET A7.0
	NEW WALLS
	WINDOW TYPES SEE A7.0
	1 HOUR FIRE RATED WALL
	2 HOUR FIRE RATED WALL
	DOOR SWING w/NUMBER. SEE A7.0
	EXISTING DOOR SWING w/NUMBER. SEE A7.0
	REVISIONS
	RECESSED FIRE EXTINGUISHER
	SEMI RECESSED FIRE EXTINGUISHER
	OFFICE SEE ROOM FIN SCHED SHEET A9.1
REFLECTED CEILING PLAN SYMBOLS:	
	GYPSUM WALL BOARD
	2'X2' ACOUSTICAL CEILING TILE
	EXISTING GYPSUM WALL BOARD
	RECESSED DOWNLIGHT
	2'X2' LIGHT FIXTURE, SEE ELECTRICAL
	1'X LINEAR FLUORESCENT INDIRECT PENDING FIXTURE. SEE ELECTRICAL
	TRACK MOUNTED FIXTURES, SEE ELECTRICAL
	1'X4' LIGHT FIXTURE. SEE ELECTRICAL
	EXIT LIGHT, ARROW INDICATES DIRECTION PLACE CENTER OF 2x2' TILE
	HVAC DIFFUSER



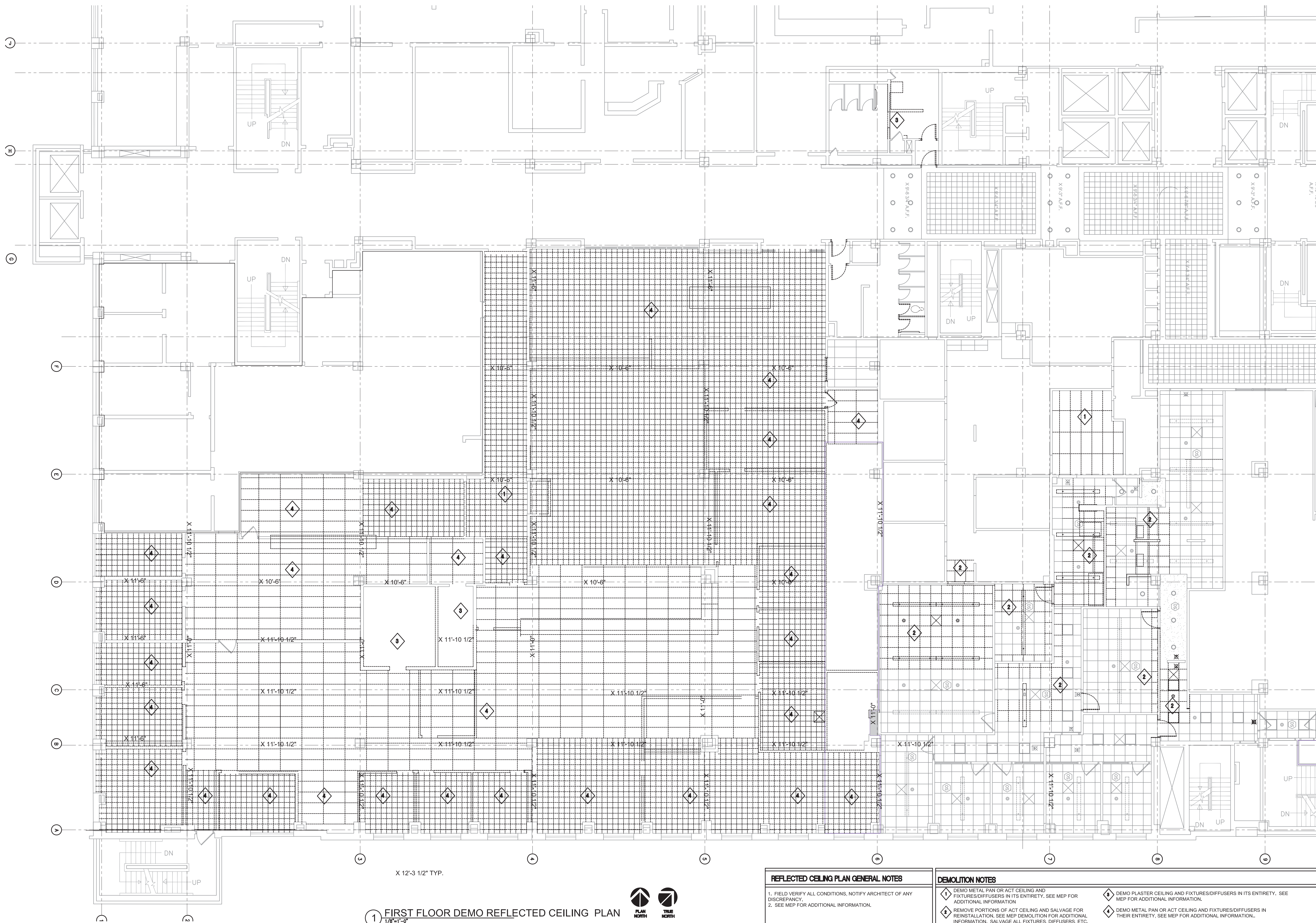
REFER TO PHASING PLAN IN SPECIFICATION SECTION 01 00 00, SECTION 1.2.



SEE PLAN AND INTERIOR ELEVATIONS FOR EXTENT OF DEMOLITION PRIOR TO REMOVING RESTROOM DOOR FRAMES OR WALLS

DEMOLITION PLAN GENERAL NOTES		DEMOLITION NOTES	
1. FIELD VERIFY ALL CONDITIONS, NOTIFY ARCHITECT OF ANY DISCREPANCY.	2. SEE MEP FOR ADDITIONAL INFORMATION.	1. DEMO DOOR, SALVAGE DOOR AND HARDWARE AS NOTED FOR REINSTALLATION. FRAME TO REMAIN.	4. REMOVE CASEWORK AND PARTIAL HEIGHT WALLS IN THEIR ENTIRETY.
3. COORDINATE SCHEDULE OF DEMOLITION WITH CF-1 PRIOR TO NEW WALL CONSTRUCTION TO MINIMIZE HAND/EDGE GRINDING ADJACENT TO WALLS.		2. DEMO DOOR AND HM FRAME, SALVAGE DOOR AND HARDWARE FOR REINSTALLATION.	5. REMOVE AND SALVAGE CASEWORK FOR REINSTALLATION INCLUDING BRACKETS AND SOLID SURFACE END CAPS.
		3. REMOVE EXISTING WALL OR DEMOUNTABLE PARTITION IN ITS ENTIRETY. SALVAGE GLAZED BLOCK IN WOMEN'S RESTROOM FOR REINSTALLATION IN MEN'S RESTROOM. REMOVE PORTIONS OF WALLS FOR NEW OPENINGS.	6. REMOVE ADJACENT FLOOR TILE AS REQUIRED FOR INSTALLATION OF FLOOR TILE WHERE WALL REMOVED.
			7. REMOVE AND SALVAGE MARBLE TOILET PARTITIONS AND ACCESSORIES.
			8. REMOVE FLOORING AND RESILIENT BASE. SEE FINISH PLAN FOR PORTIONS OF EXISTING BASE THAT MAY REMAIN.
			9. REMOVE ALL WOOD CHAIR RAIL WITHIN THE PROJECT SCOPE.
			10. REMOVE LOCKSET FOR INSTALLATION OF NEW LOCKSET.
			11. REMOVE GRAPHIC FILM FROM EXISTING GLAZING.
			12. REMOVE WINDOW COVERINGS, MOUNTING HARDWARE AND PLEXIGLASS STORM WINDOWS. TURN OVER STORM WINDOWS TO OWNER. NOTIFY OWNER OF COMPLETION FOR OWNER SEALING PERIMETER OF EXISTING WINDOW OPENINGS.

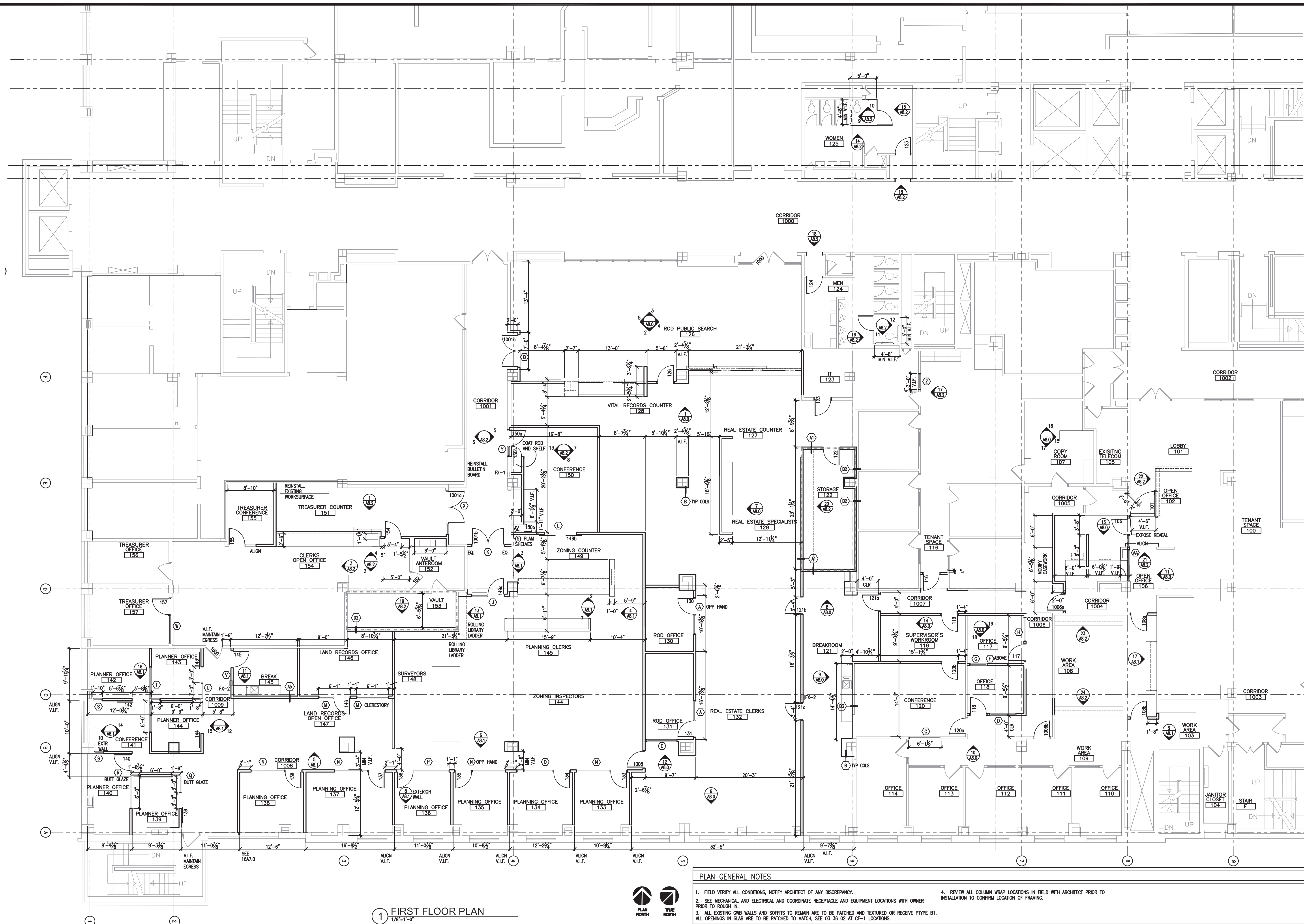
1 FIRST FLOOR DEMO PLAN
1/8"=1'-0"
PLAN NORTH
TRUE NORTH



1 FIRST FLOOR DEMO REFLECTED CEILING PLAN
1/8"=1'-0"



REFLECTED CEILING PLAN GENERAL NOTES		DEMOLITION NOTES	
1. FIELD VERIFY ALL CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCY. 2. SEE MEP FOR ADDITIONAL INFORMATION.		1. DEMO METAL PAN OR ACT CEILING AND FIXTURES/DIFFUSERS IN ITS ENTIRETY. SEE MEP FOR ADDITIONAL INFORMATION.	3. DEMO PLASTER CEILING AND FIXTURES/DIFFUSERS IN ITS ENTIRETY. SEE MEP FOR ADDITIONAL INFORMATION.
		2. REMOVE PORTIONS OF ACT CEILING AND SALVAGE FOR REINSTALLATION. SEE MEP DEMOLITION FOR ADDITIONAL INFORMATION. SALVAGE ALL FIXTURES, DIFFUSERS, ETC.	4. DEMO METAL PAN OR ACT CEILING AND FIXTURES/DIFFUSERS IN THEIR ENTIRETY. SEE MEP FOR ADDITIONAL INFORMATION.



1 FIRST FLOOR PLAN
1/8"=1'-0"



PLAN GENERAL NOTES

1. FIELD VERIFY ALL CONDITIONS, NOTIFY ARCHITECT OF ANY DISCREPANCY.
2. SEE MECHANICAL AND ELECTRICAL AND COORDINATE RECEPTACLE AND EQUIPMENT LOCATIONS WITH OWNER PRIOR TO ROUGH IN.
3. ALL EXISTING GWB WALLS AND SOFFITS TO REMAIN ARE TO BE PATCHED AND TEXTURED OR RECEIVE PTYPE B1. ALL OPENINGS IN SLAB ARE TO BE PATCHED TO MATCH. SEE 03 36 02 AT CF-1 LOCATIONS.
4. REVIEW ALL COLUMN WRAP LOCATIONS IN FIELD WITH ARCHITECT PRIOR TO INSTALLATION TO CONFIRM LOCATION OF FRAMING.

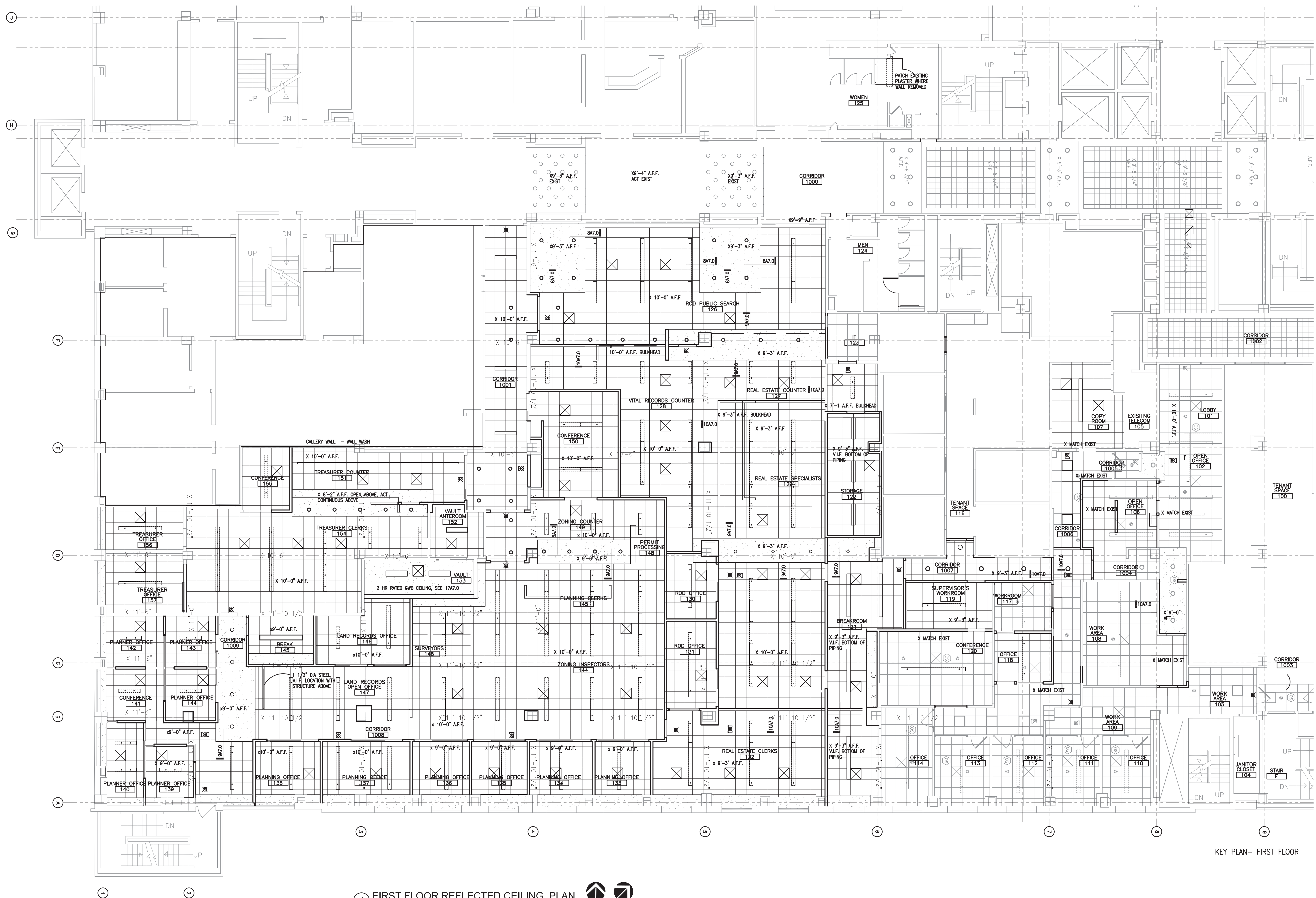
PROJECT
TENANT IMPROVEMENTS
FIRST FLOOR
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

DRAWING
FIRST FLOOR PLAN

DATE
04.01.14

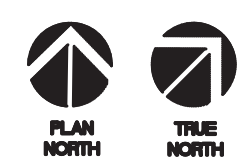
A2.1

ISSUED



KEY PLAN- FIRST FLOOR

1 FIRST FLOOR REFLECTED CEILING PLAN
1/8"=1'-0"



PROJECT
TENANT IMPROVEMENTS
FIRST FLOOR
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

DRAWING
FIRST FLOOR REFLECTED
CEILING PLAN

DATE
04.01.14

A3.1

Architecture
Planning

DorschnerAssociates, Inc.
849 E. Washington Ave., Ste 112
Madison, Wisconsin 53703

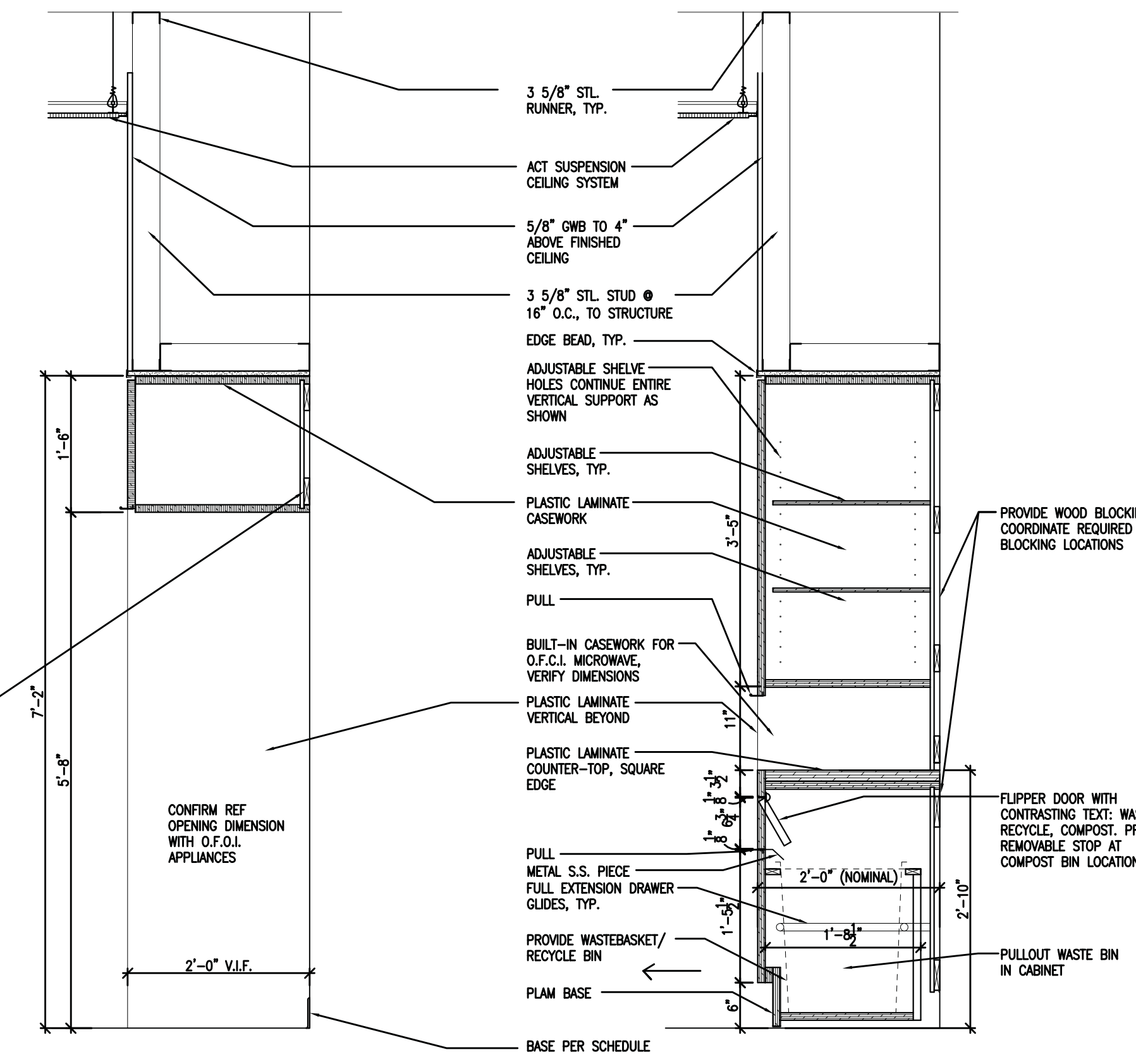
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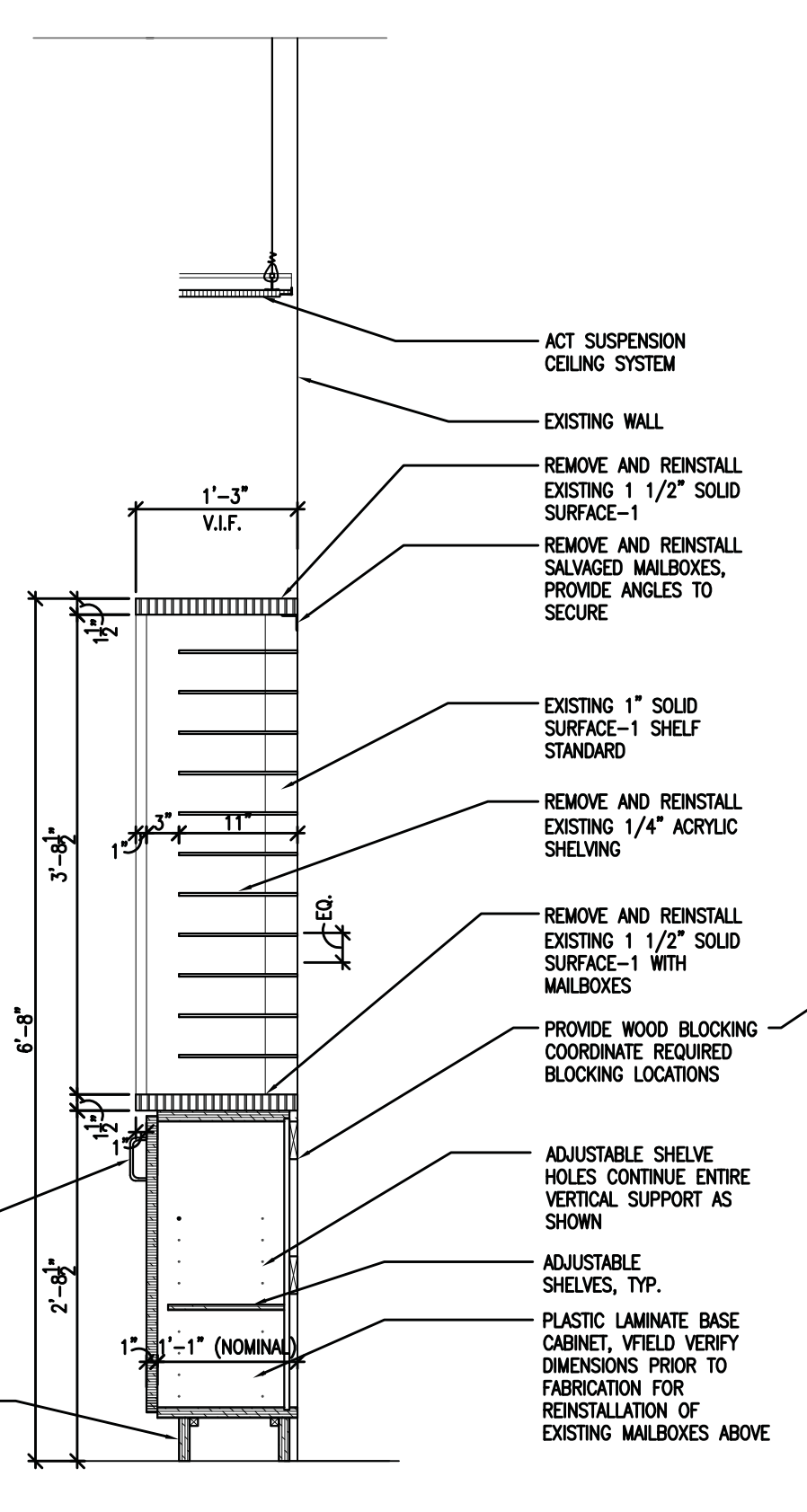
DRAWING
CASEWORK SECTIONS

DATE
04.01.14

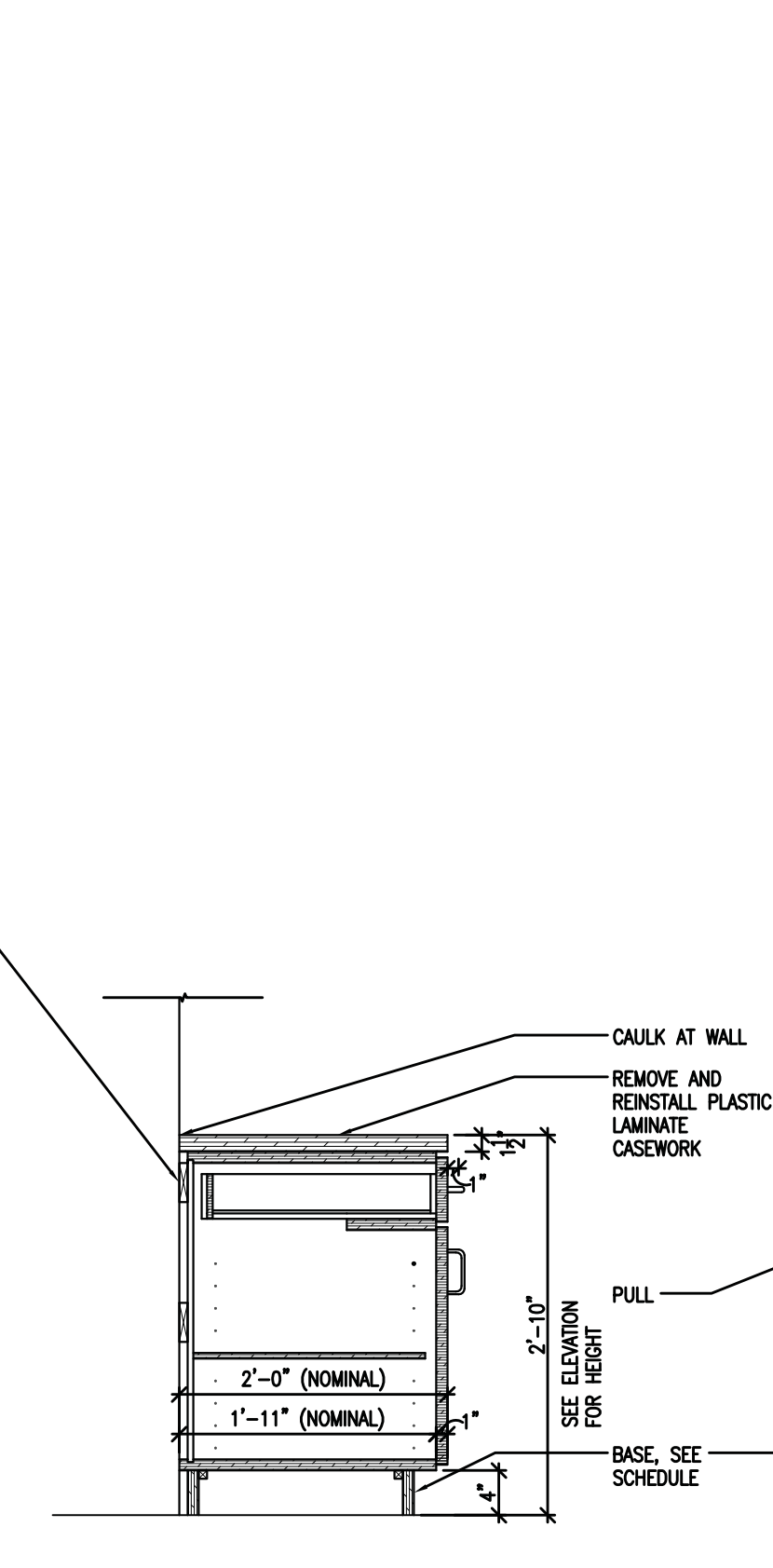
A5.0



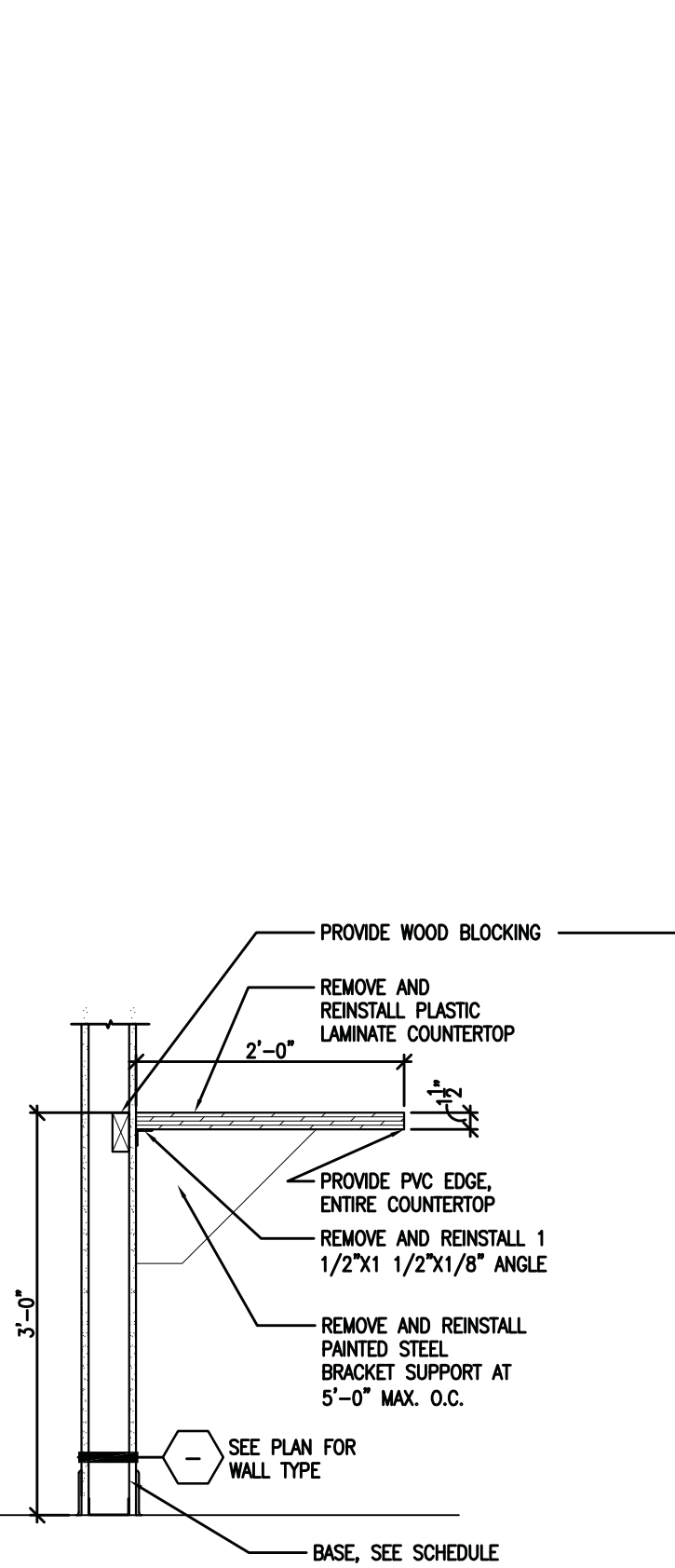
7 CASEWORK SECTION BREAK
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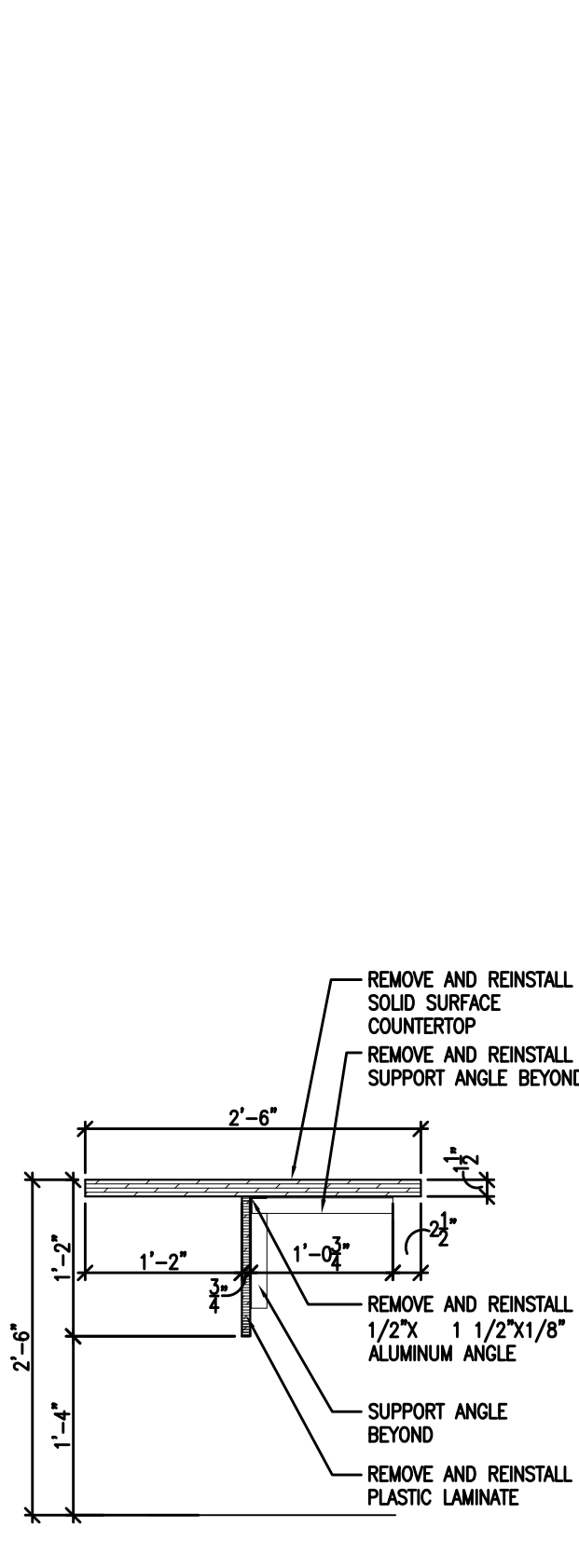
5 CASEWORK SECTION CB
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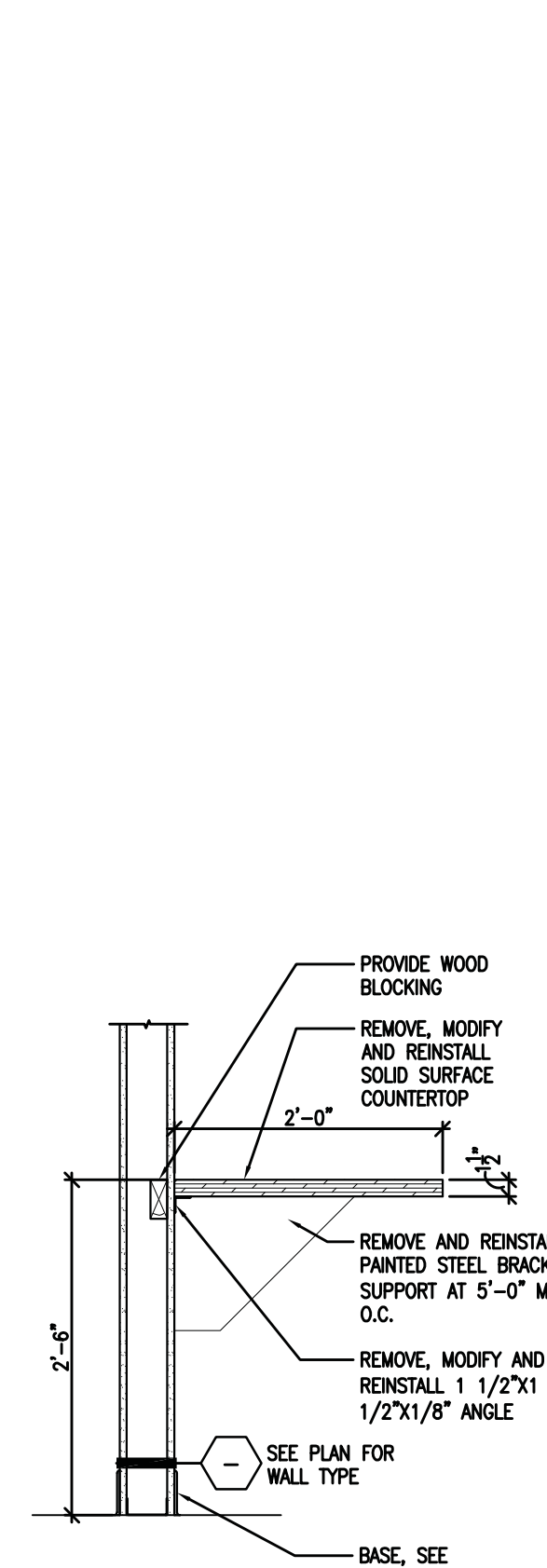
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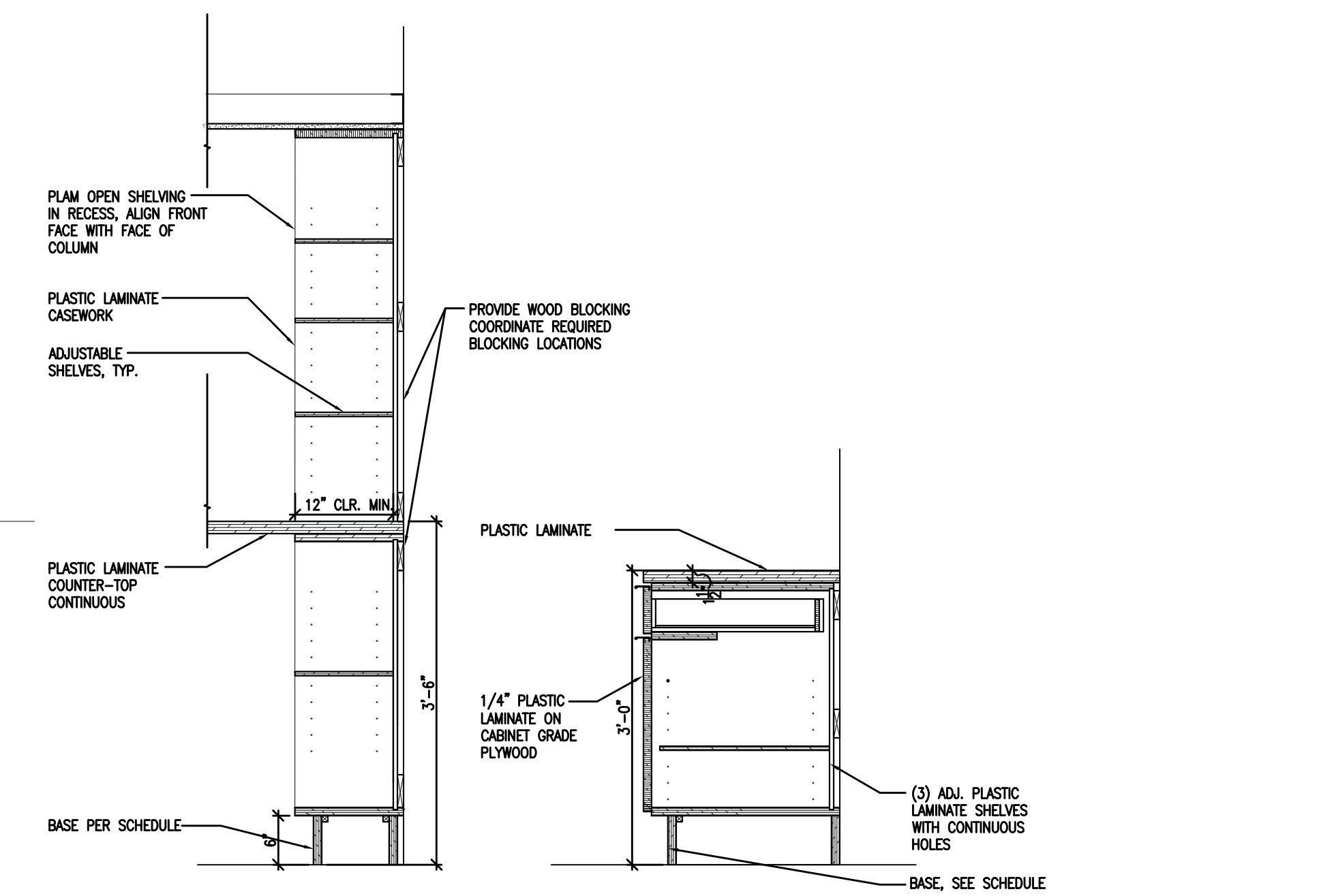
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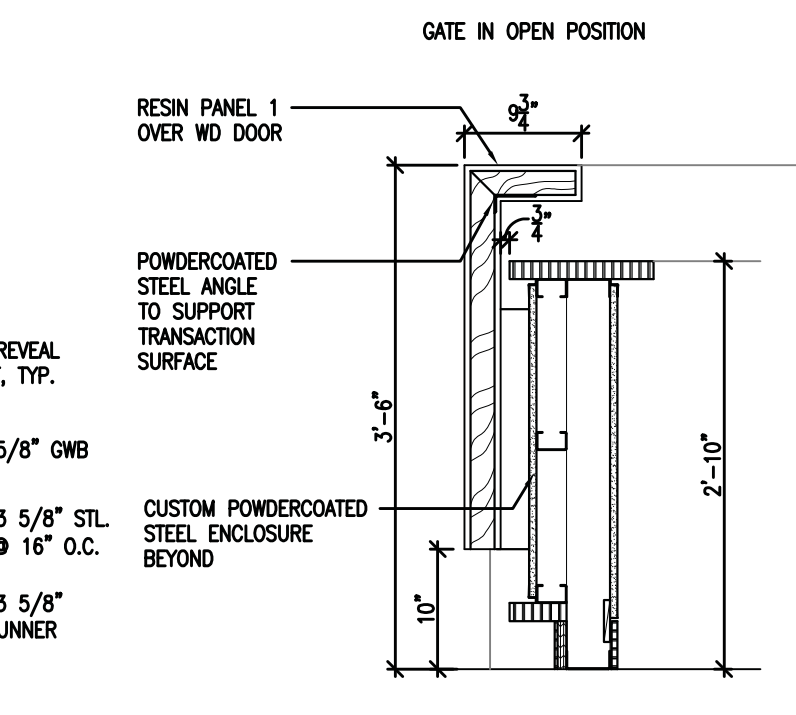
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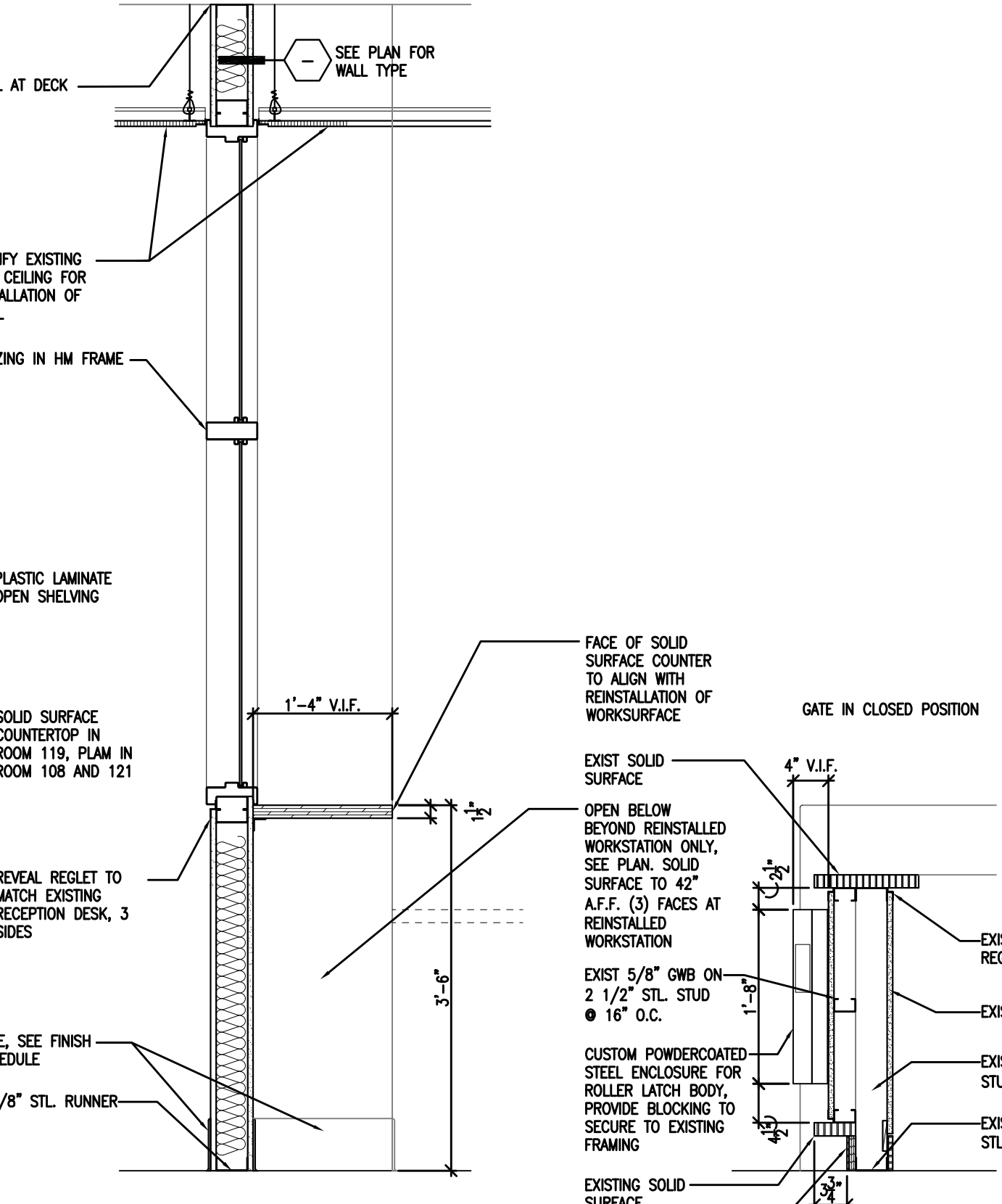
1 CASEWORK SECTION CC
3/4"=1'-0"



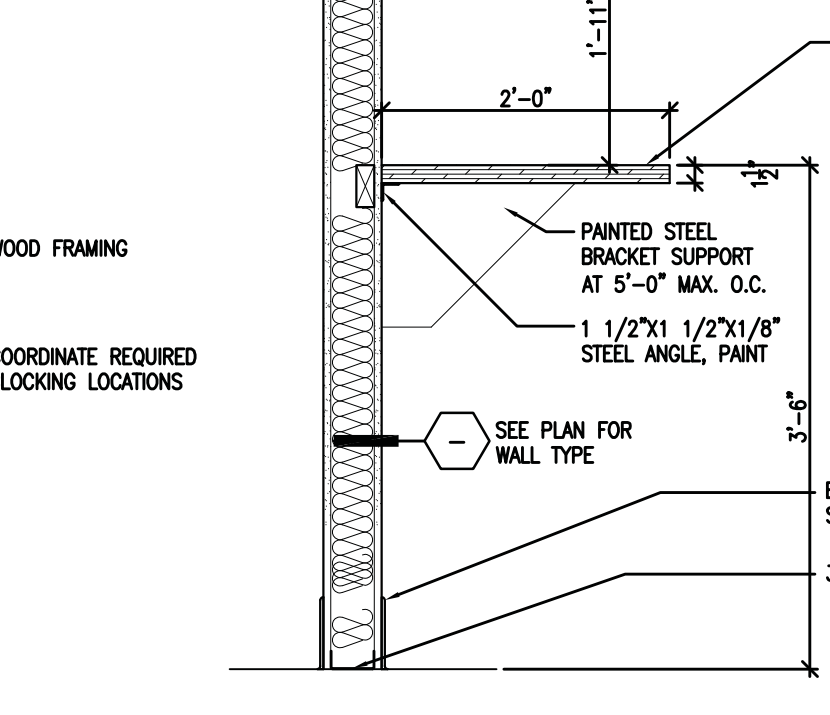
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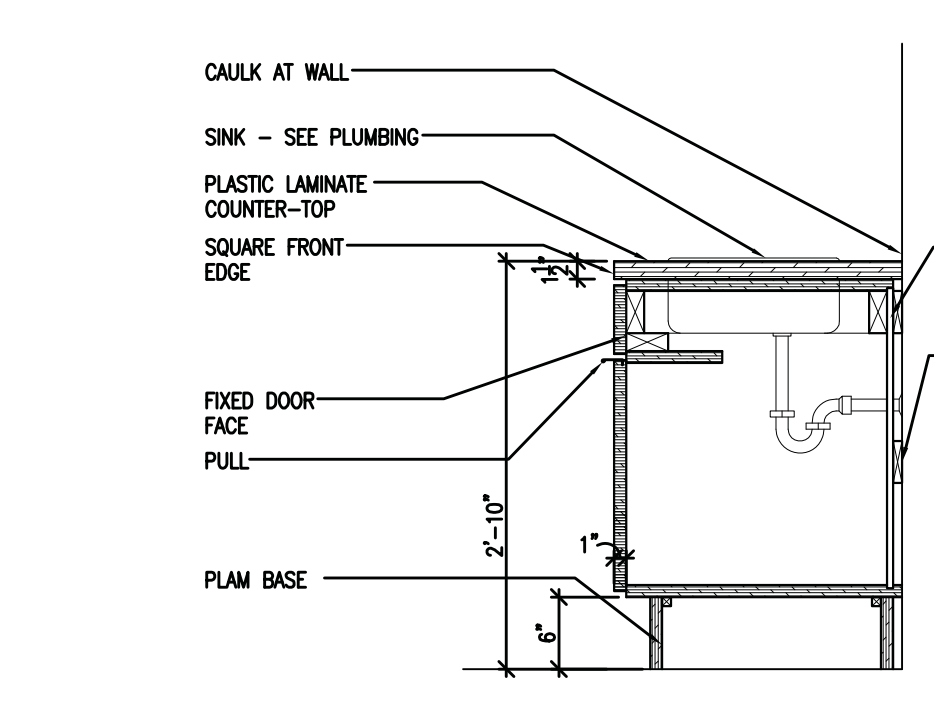
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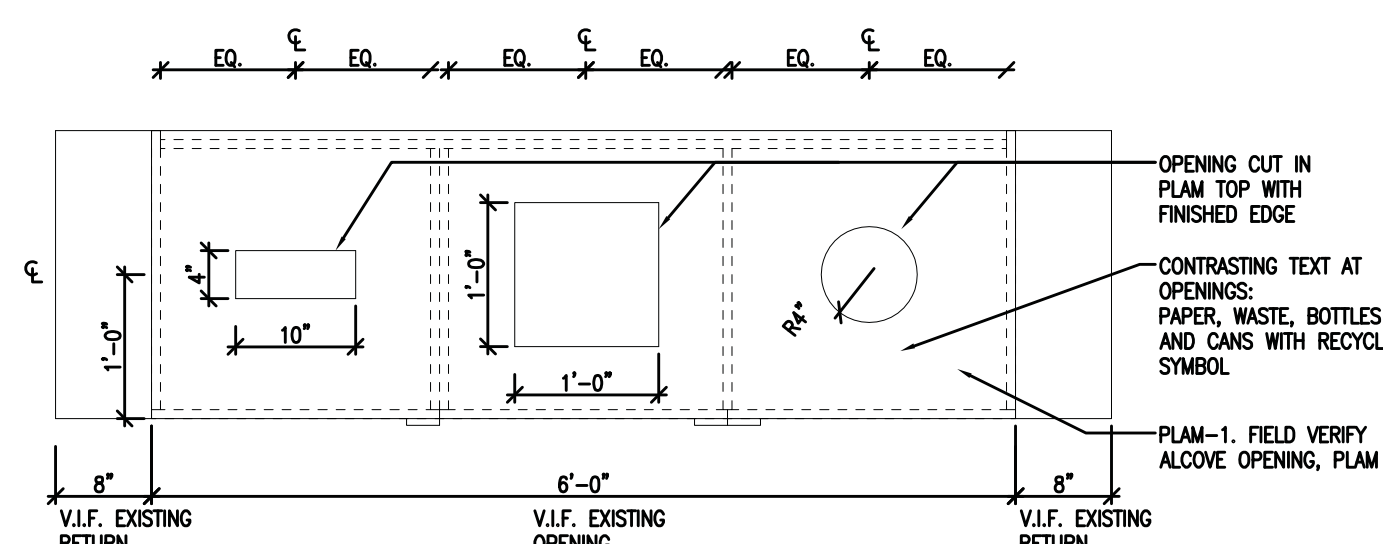
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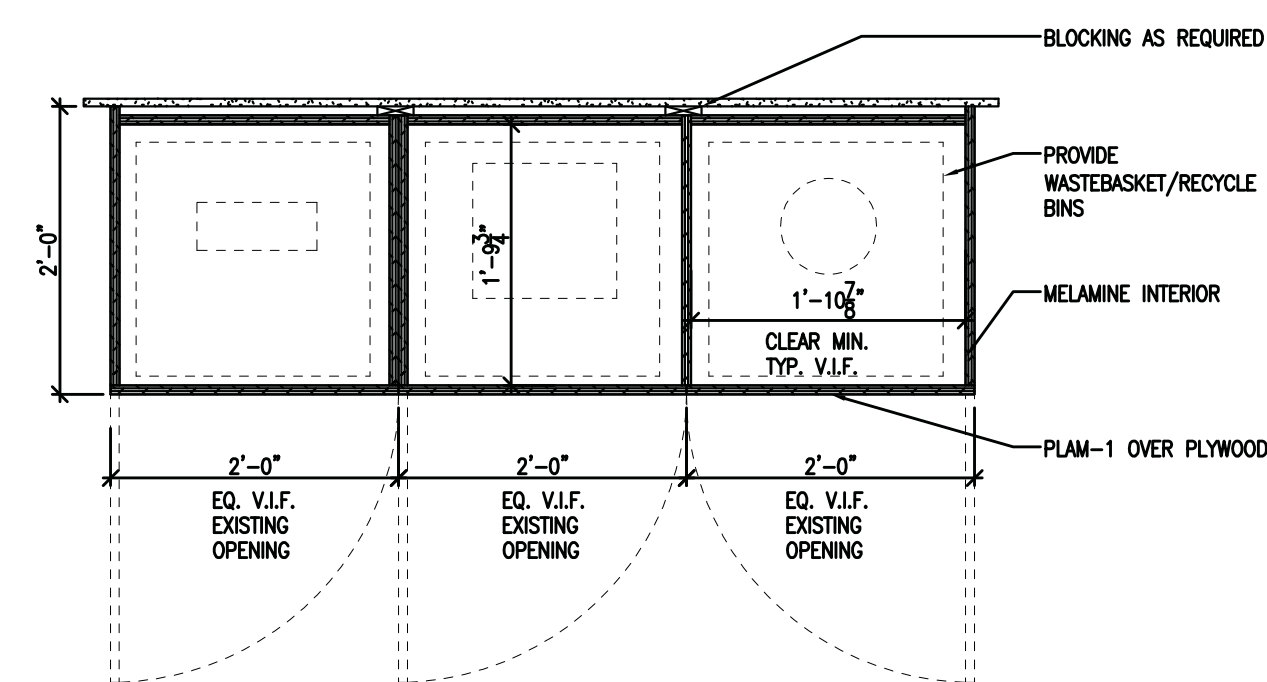
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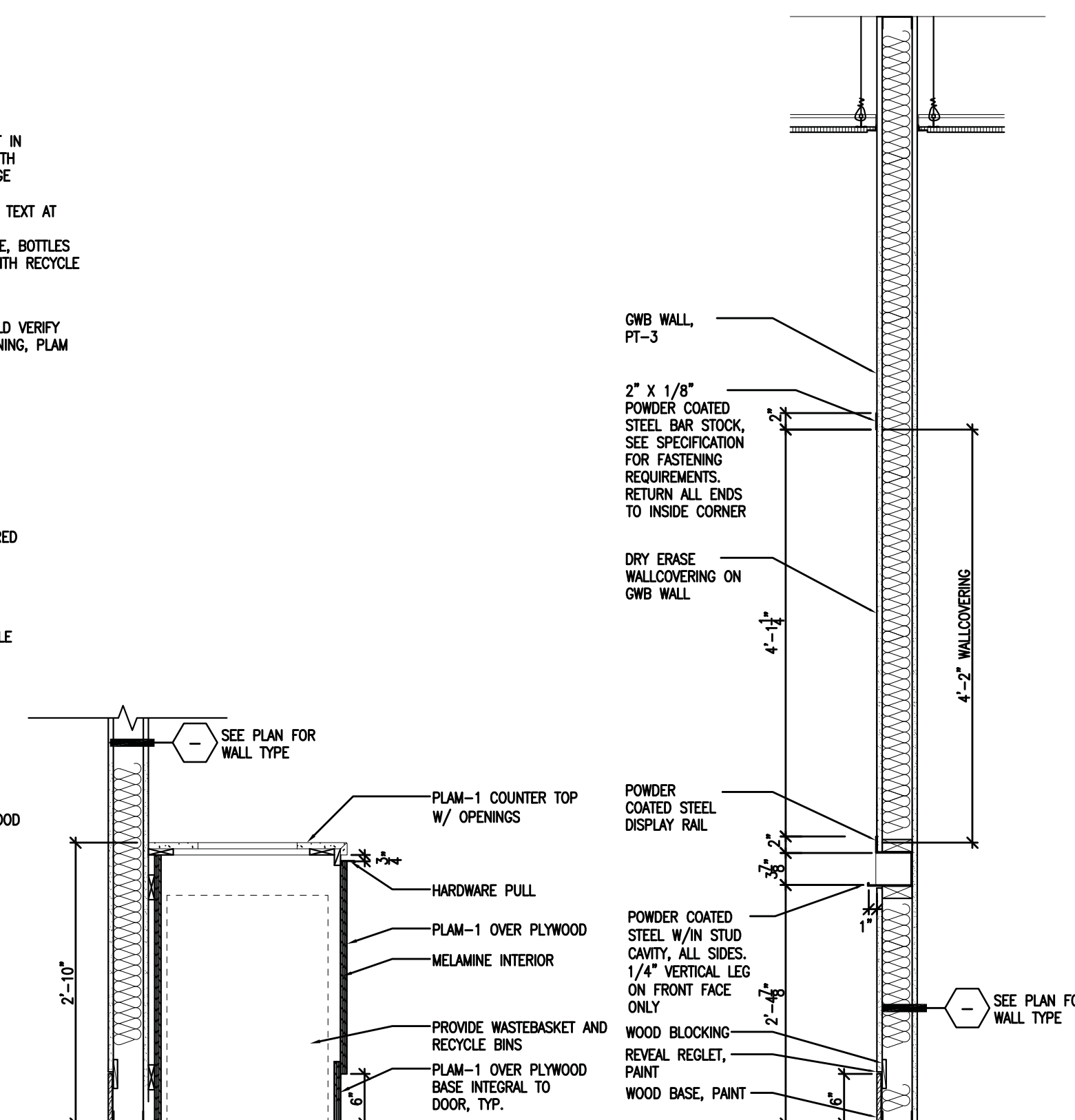
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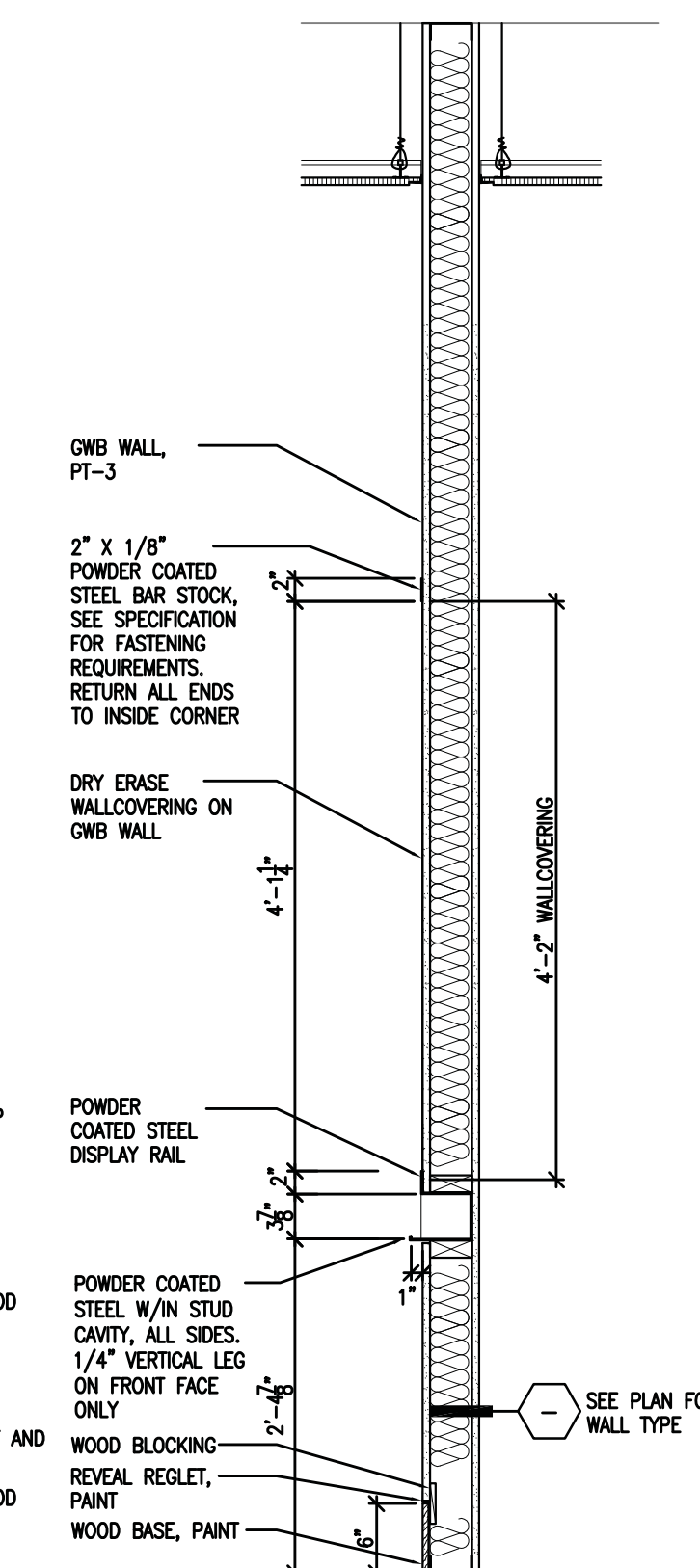
1 RECYCLING STATION DETAIL AT TOP
3/4"=1'-0"



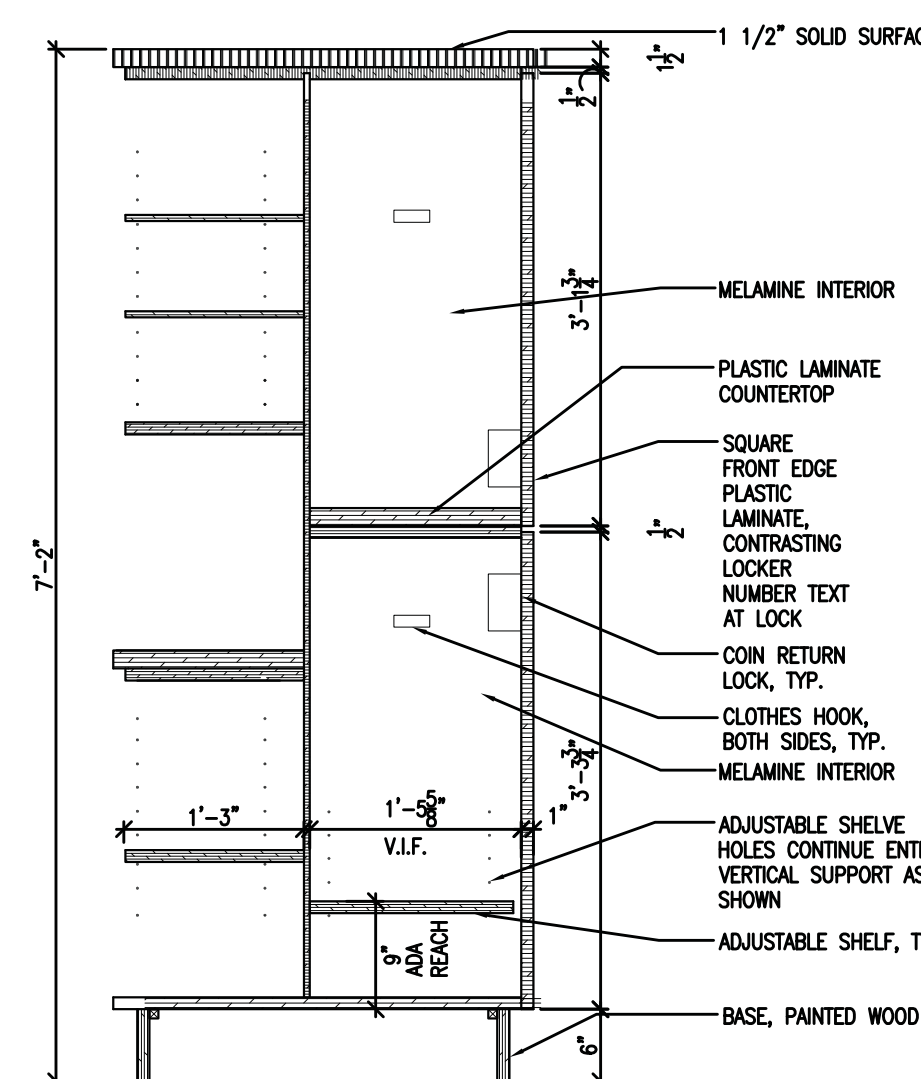
2 RECYCLING STATION DETAIL AT BASE
3/4"=1'-0"



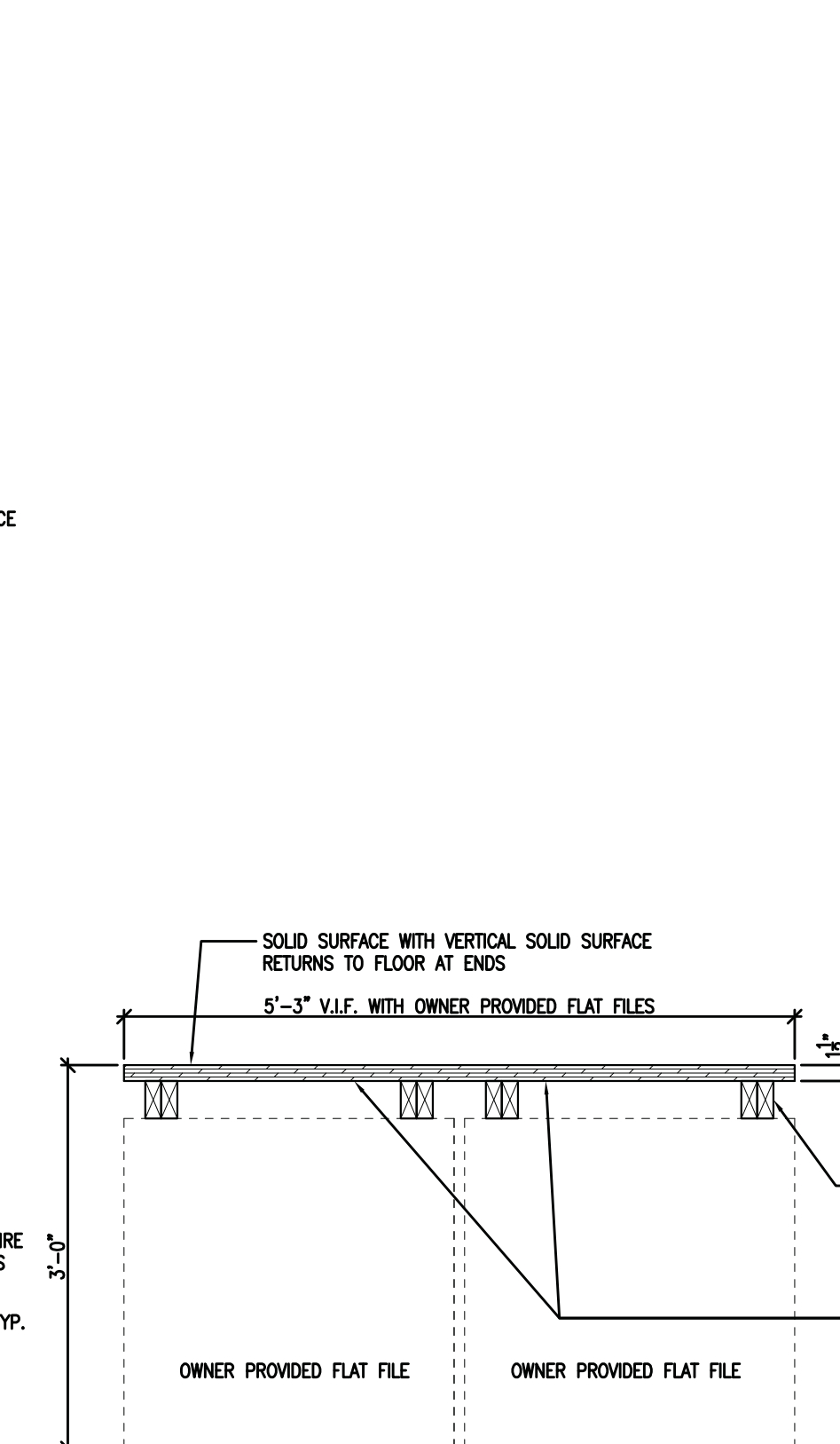
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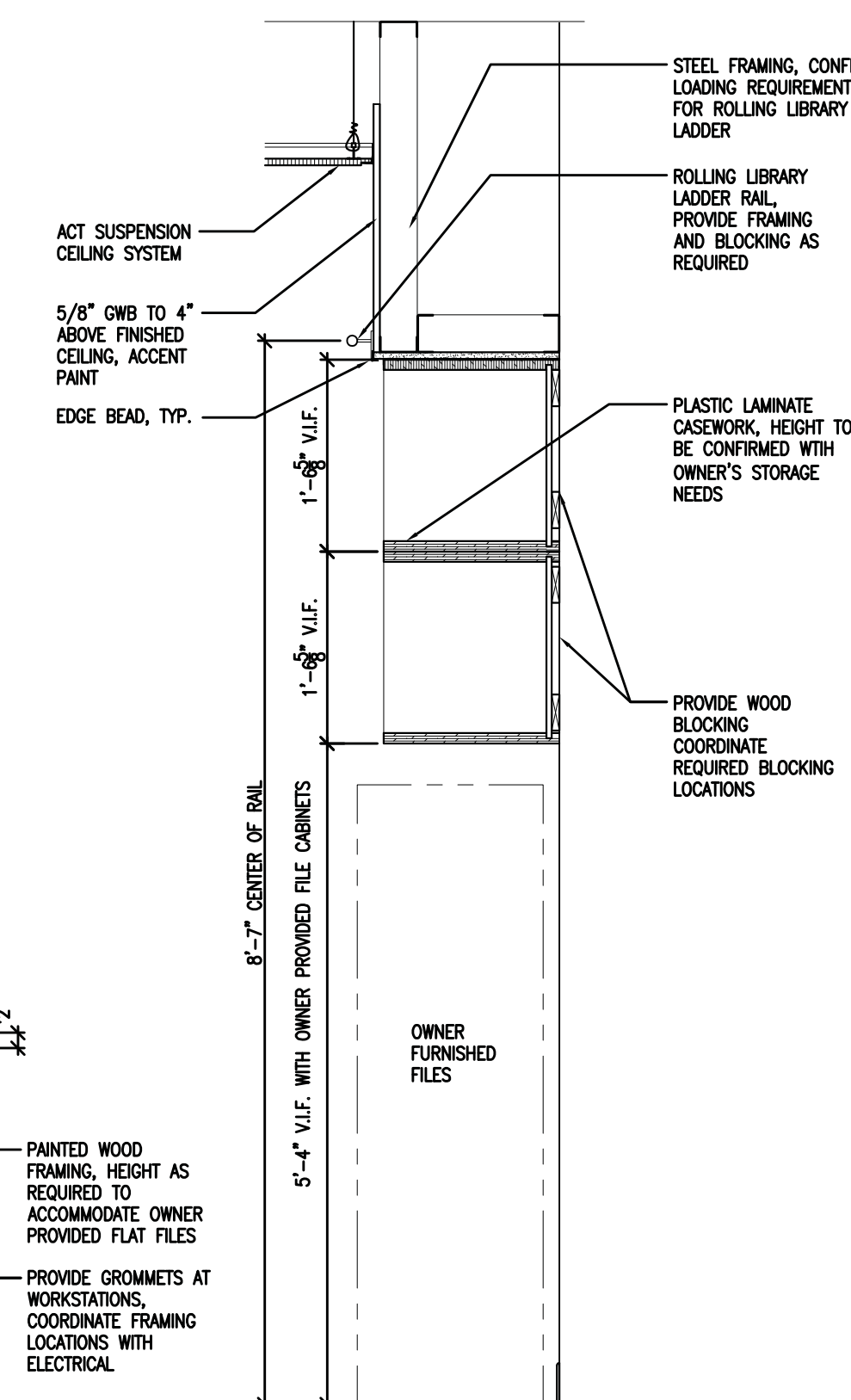
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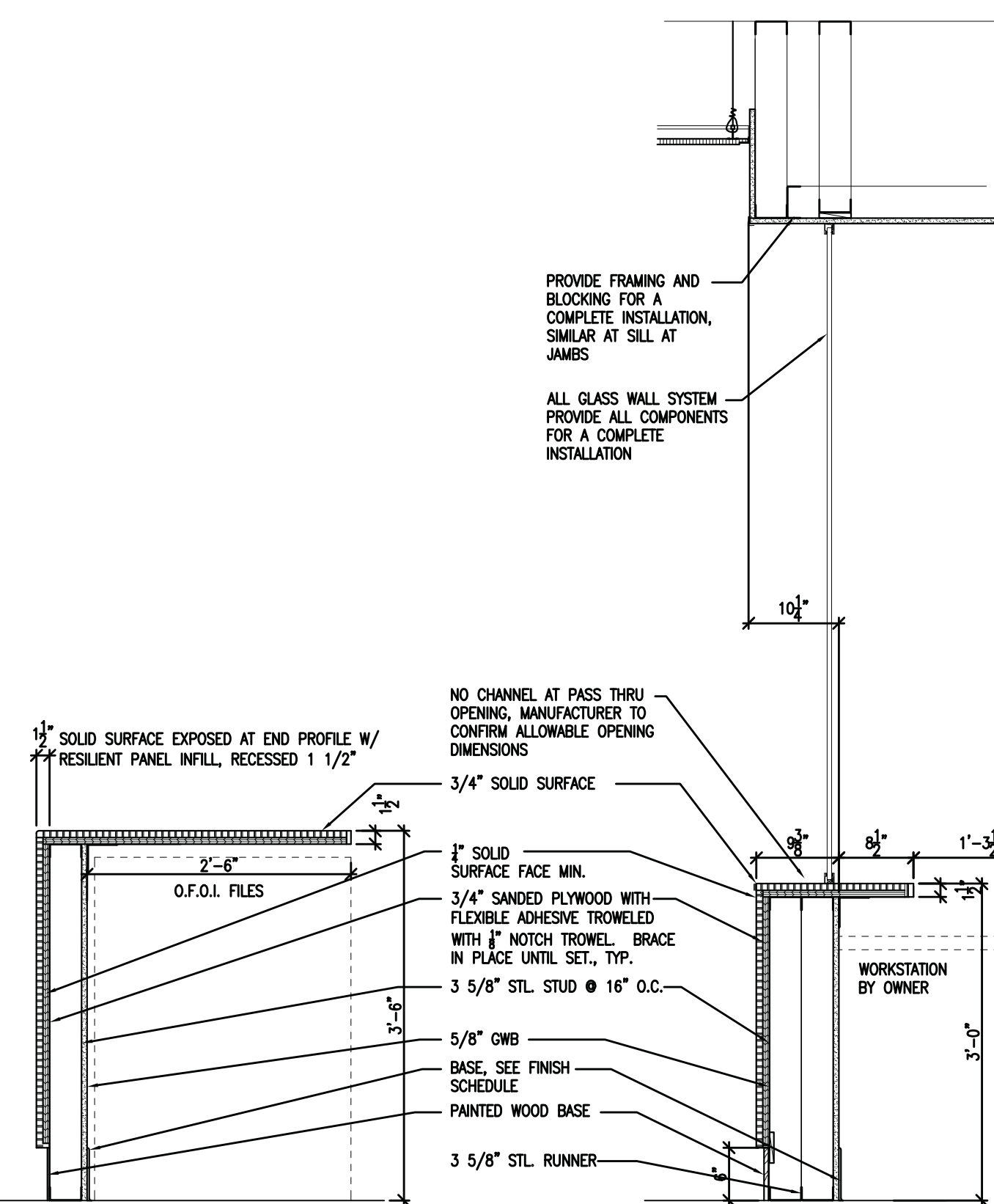
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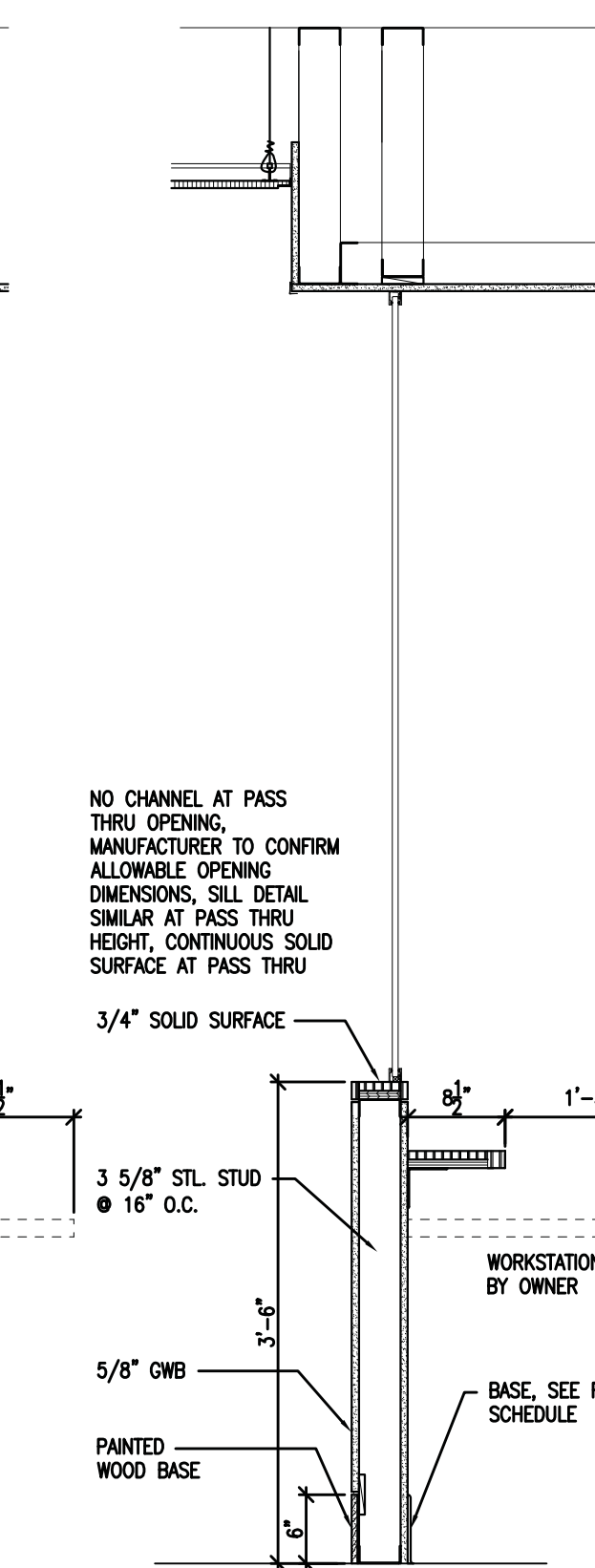
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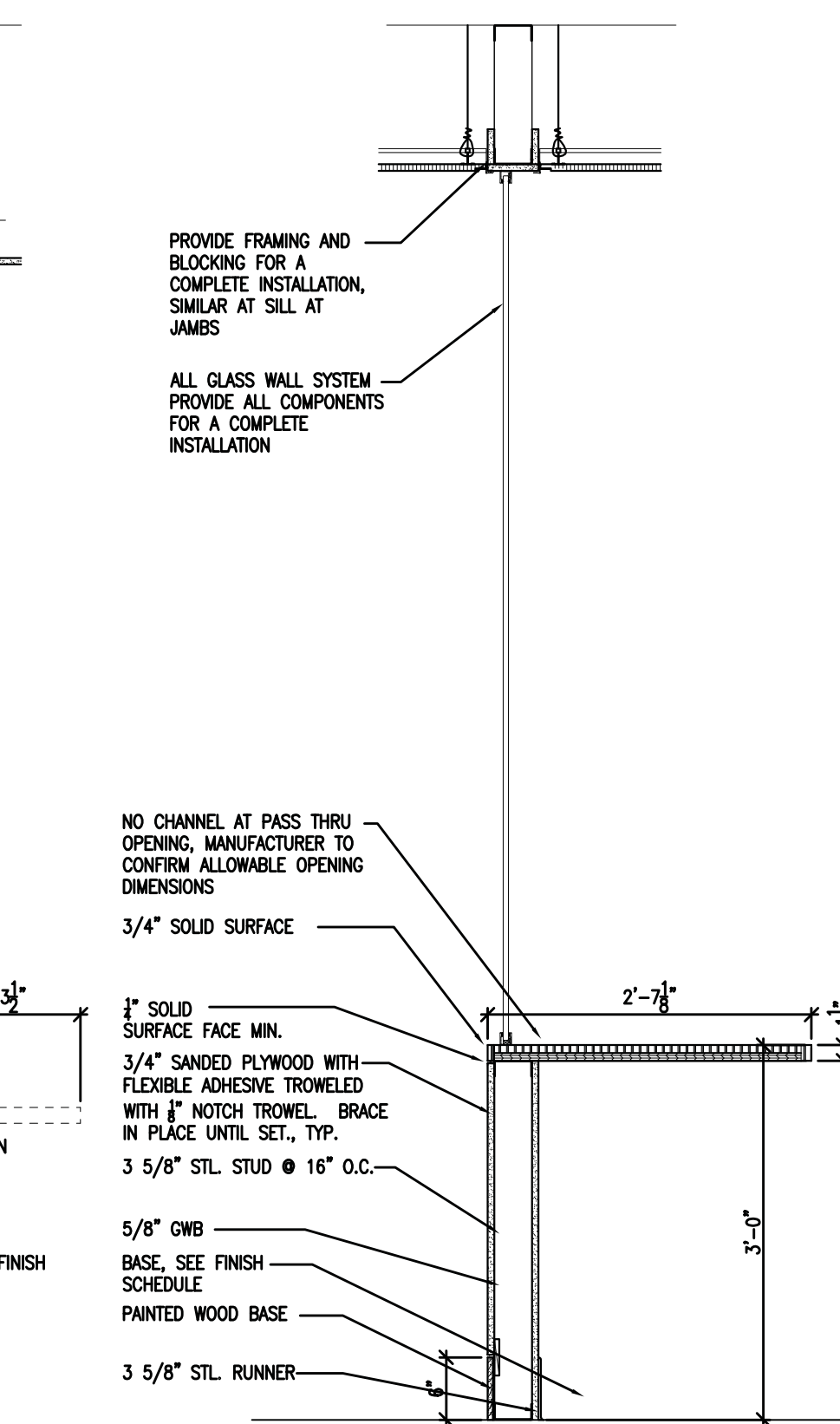
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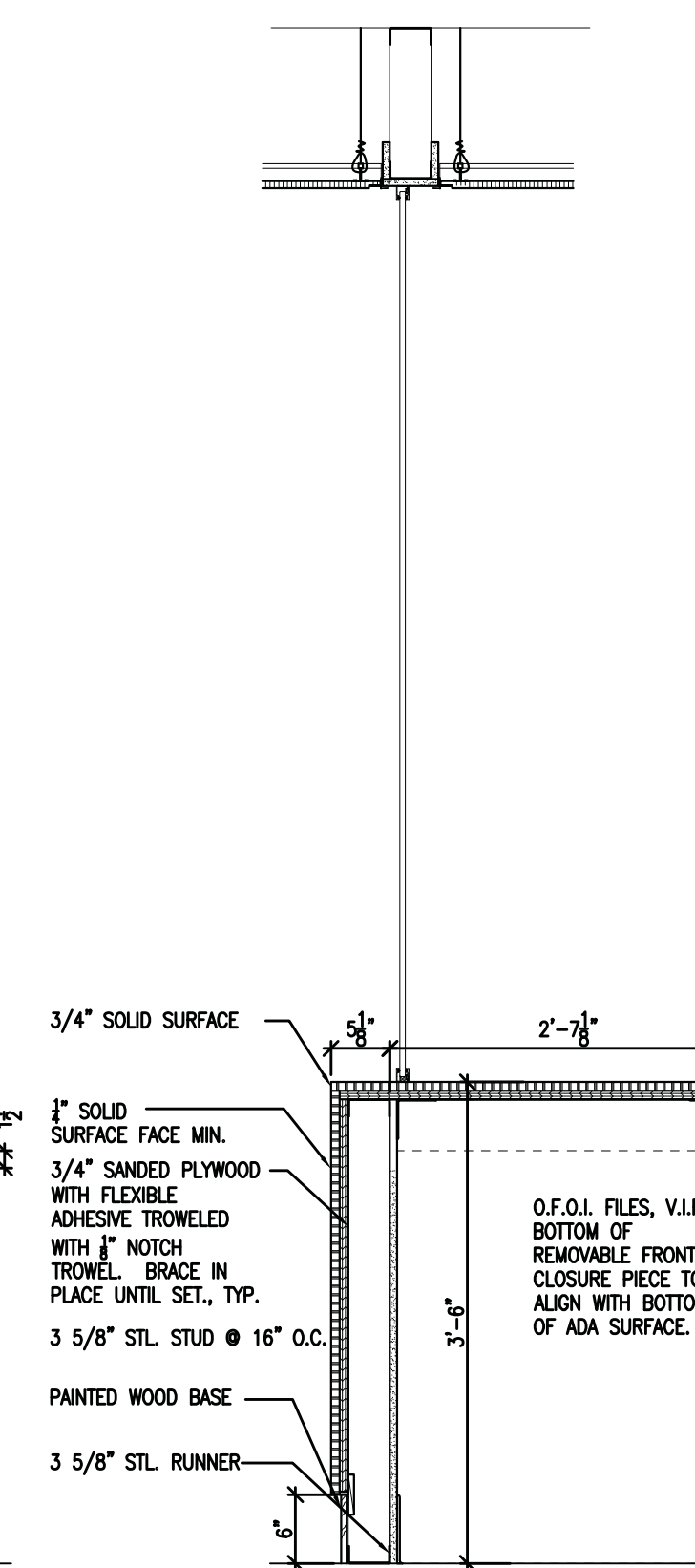
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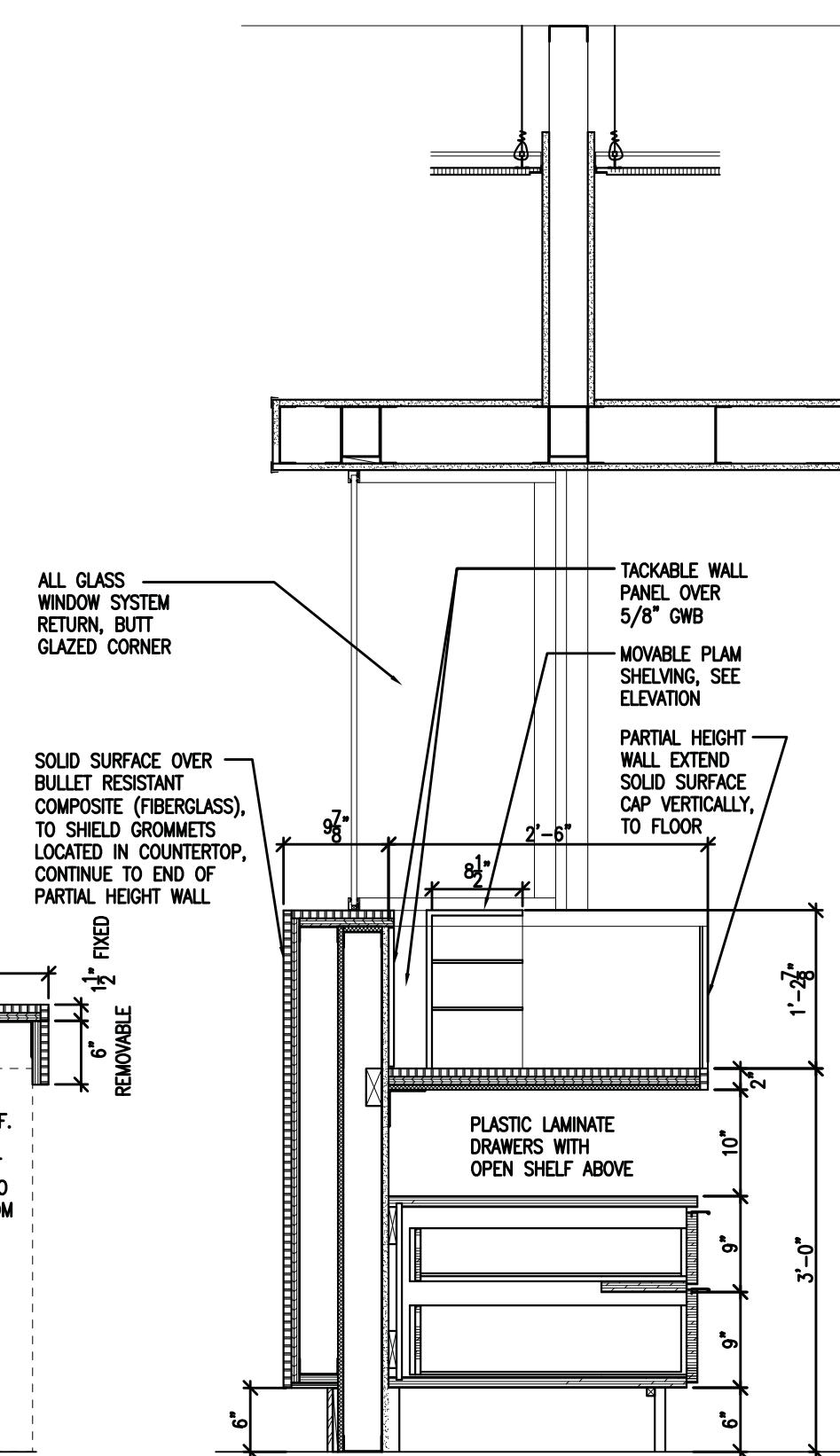
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3/4"=1'-0"



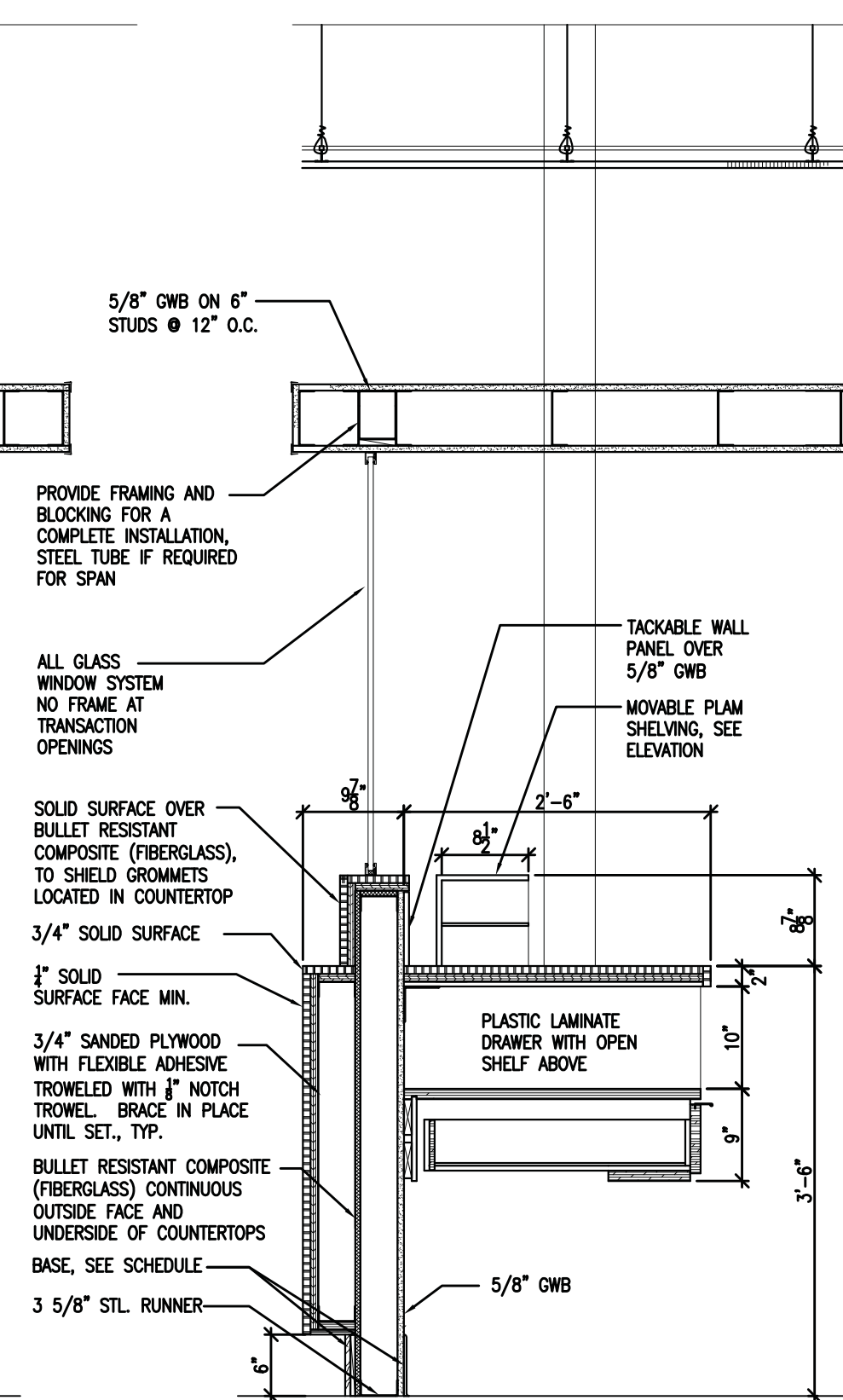
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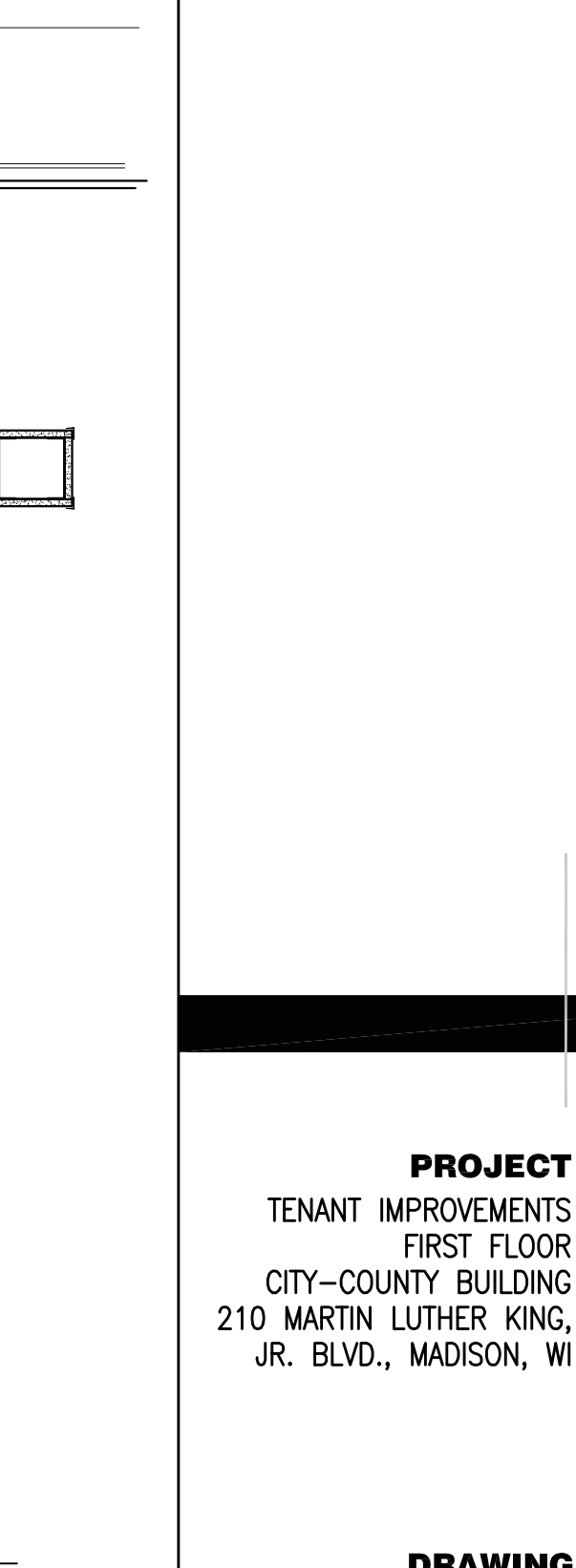
11 CASEWORK SECTION
3/4"=1'-0"



12 CASEWORK SECTION
3/4"=1'-0"



13 CASEWORK SECTION
3/4"=1'-0"

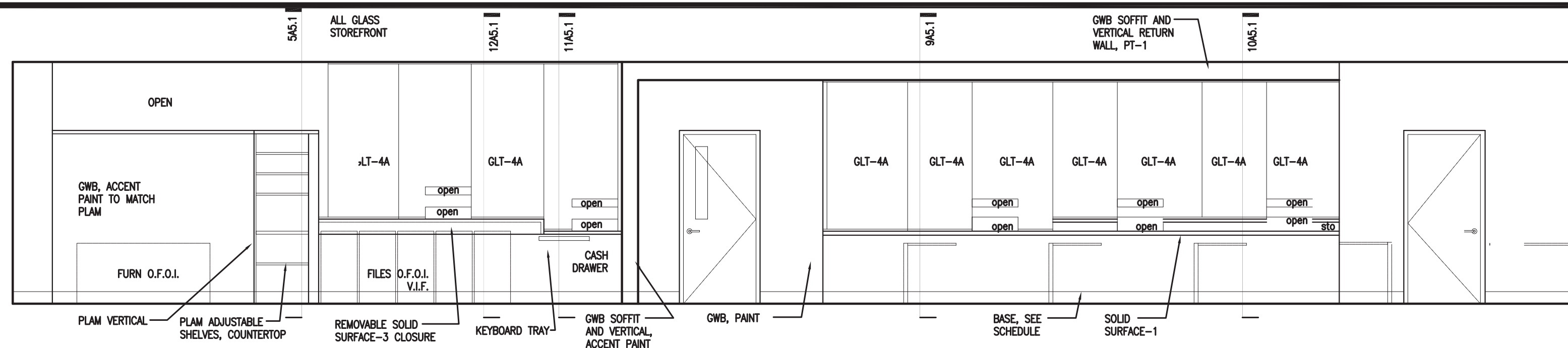


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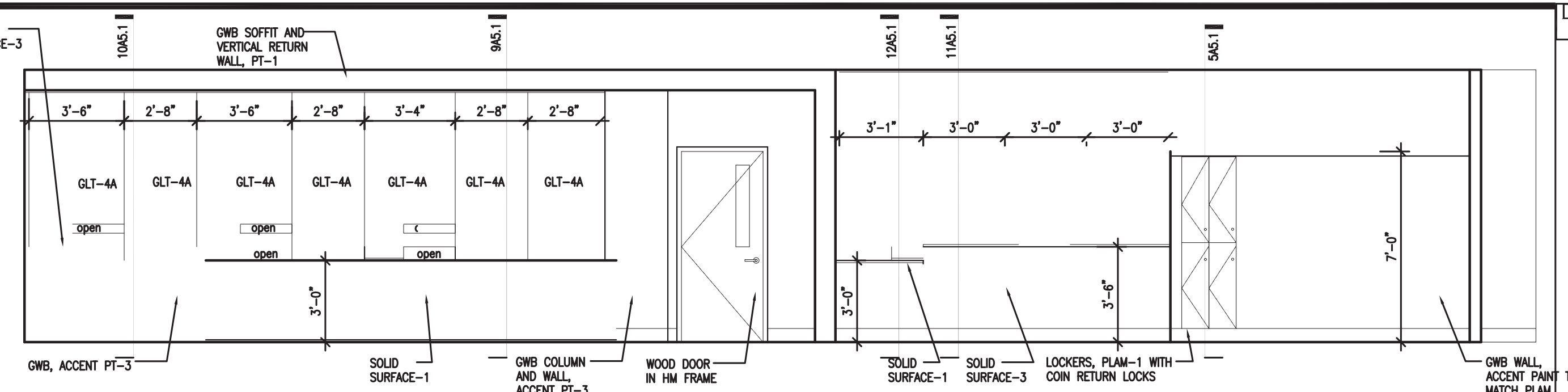
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DRAWING
CASEWORK SECTIONS

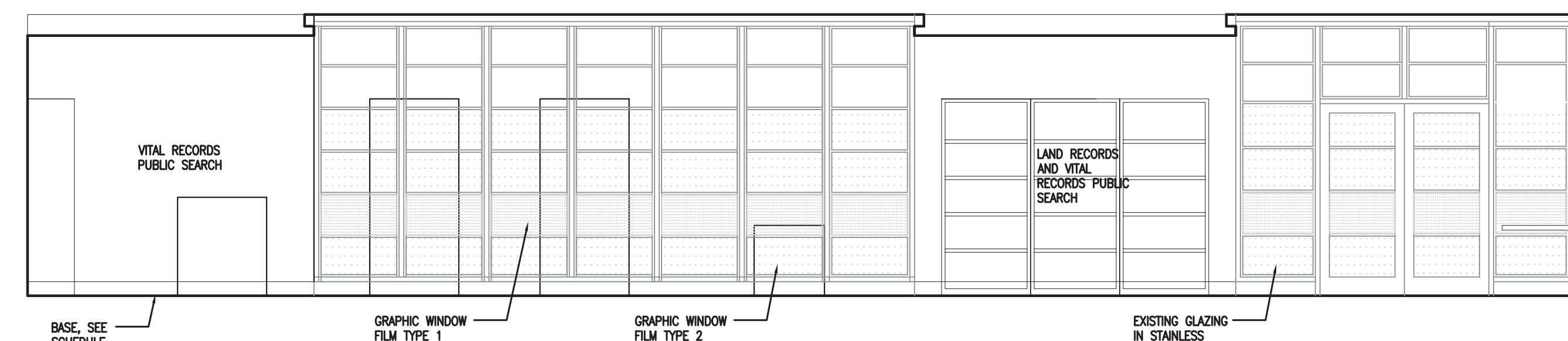
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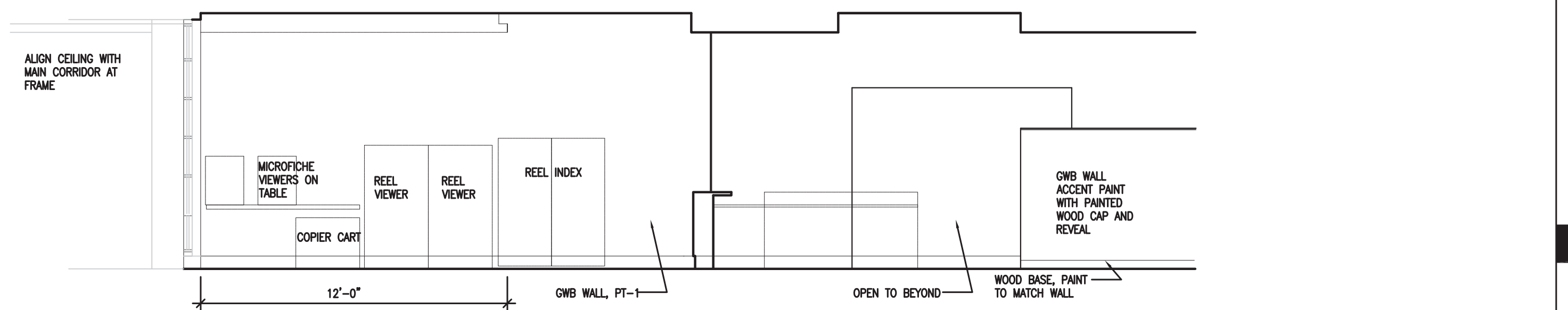
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1/4"=1'-0"



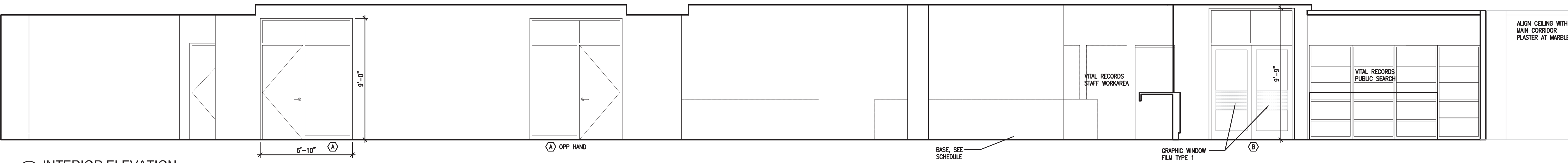
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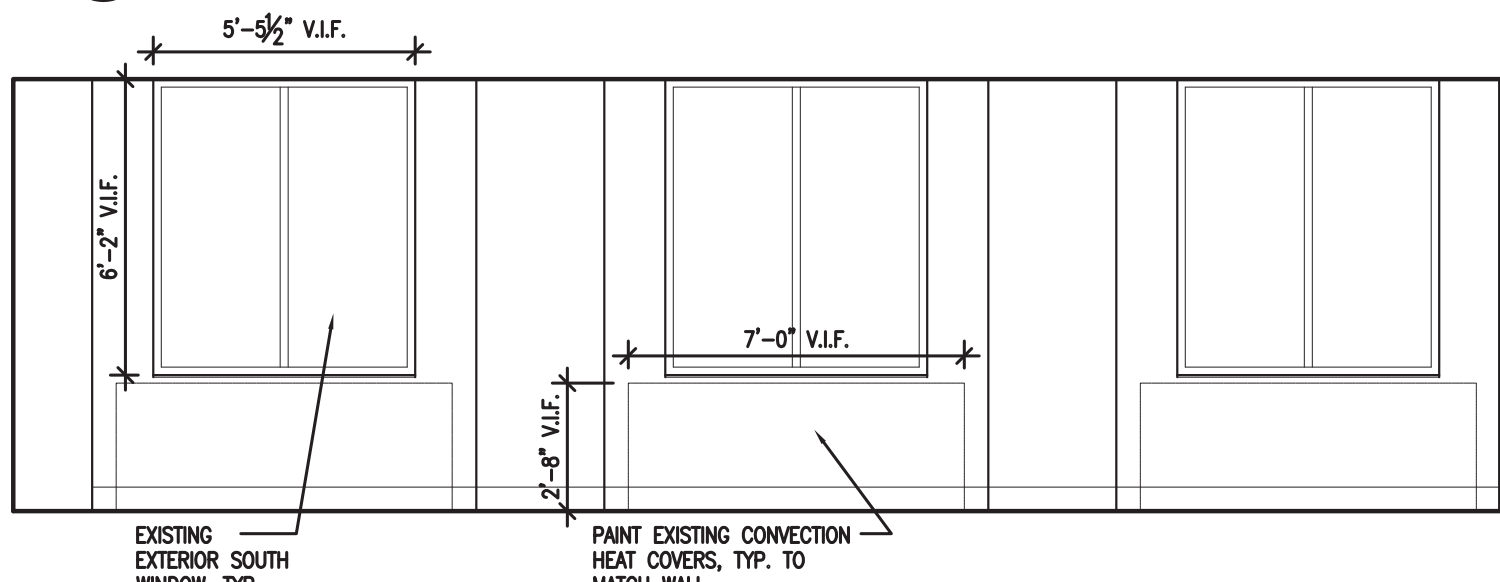
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1/4"=1'-0"



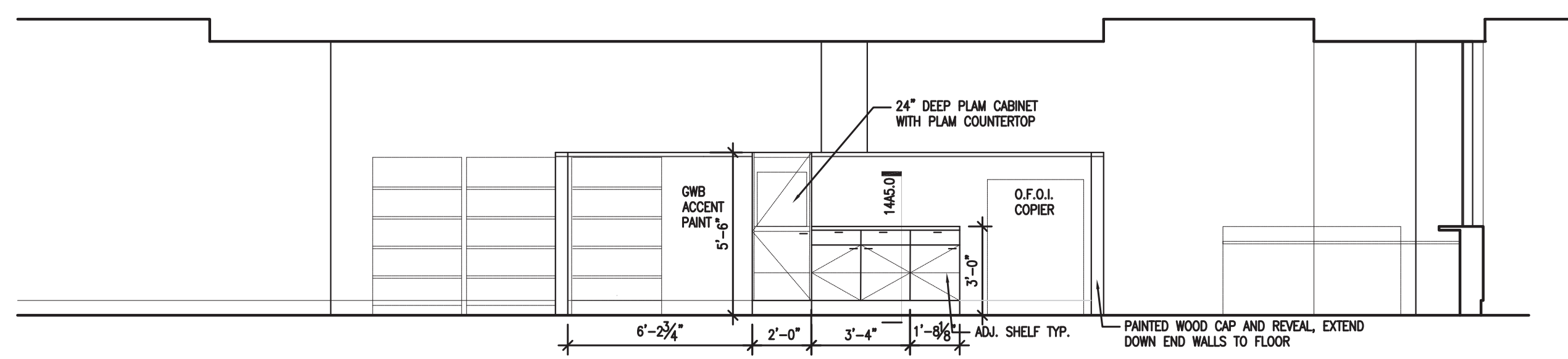
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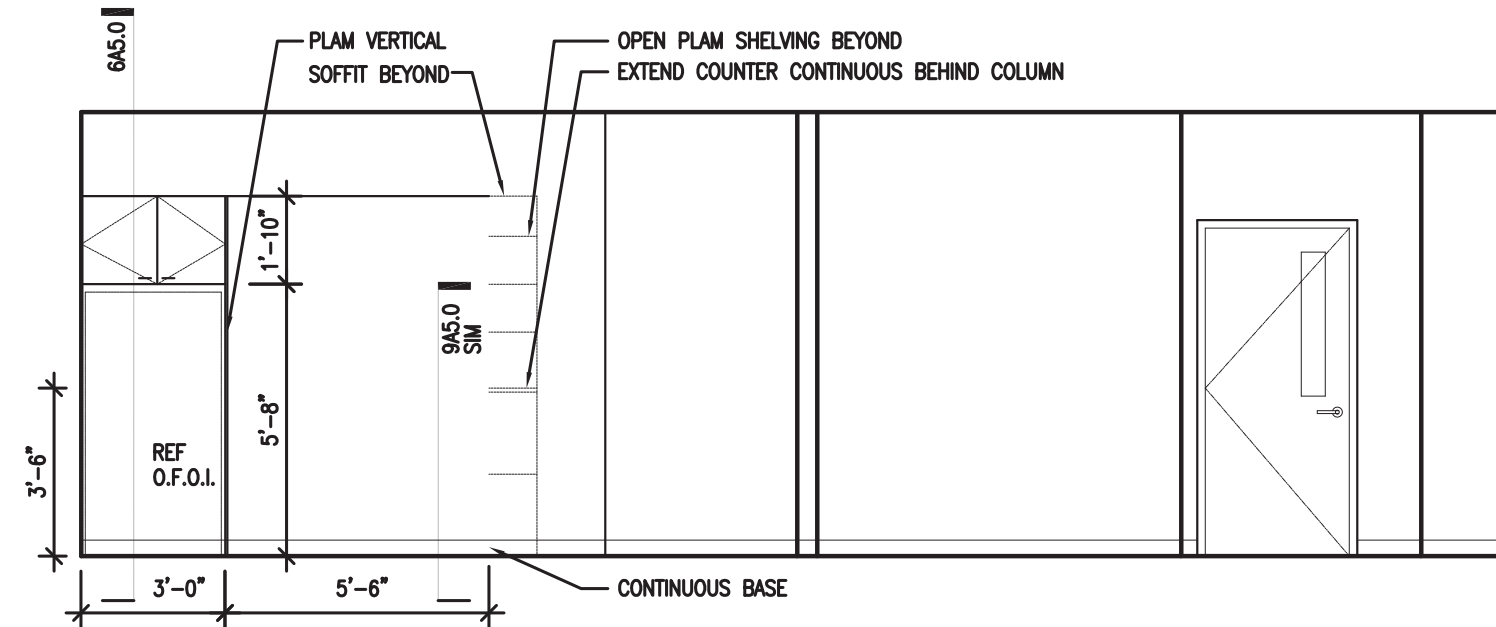
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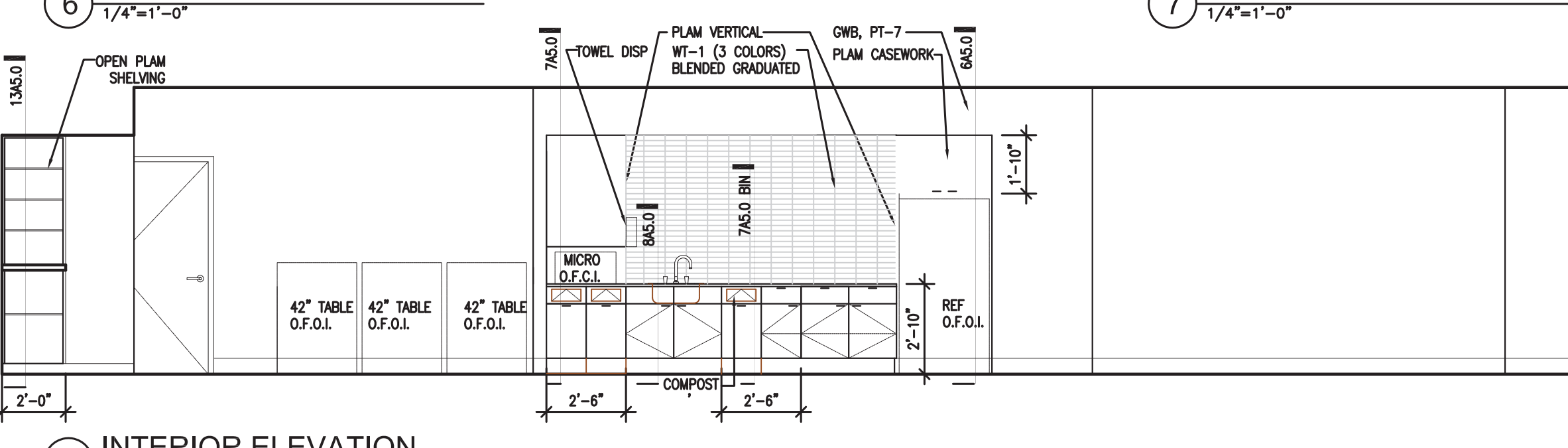
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1/4"=1'-0"



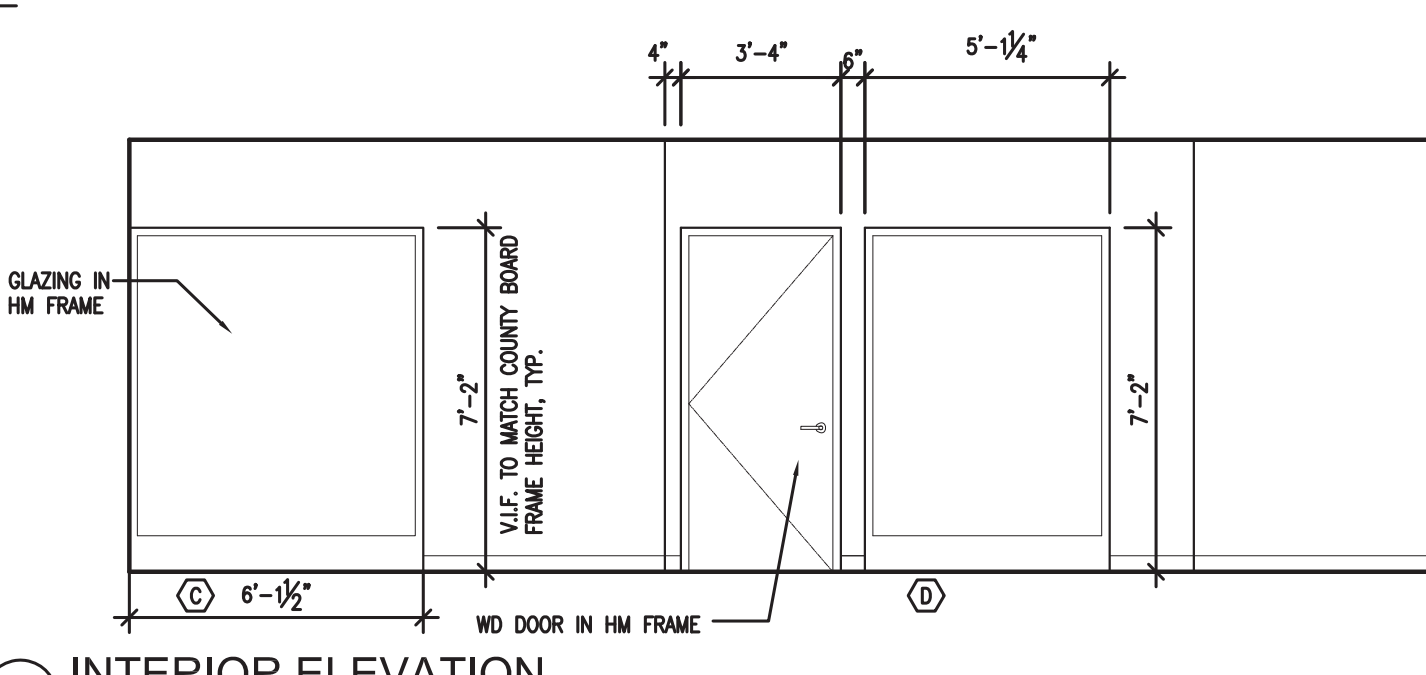
7 INTERIOR ELEVATION
1/4"=1'-0"



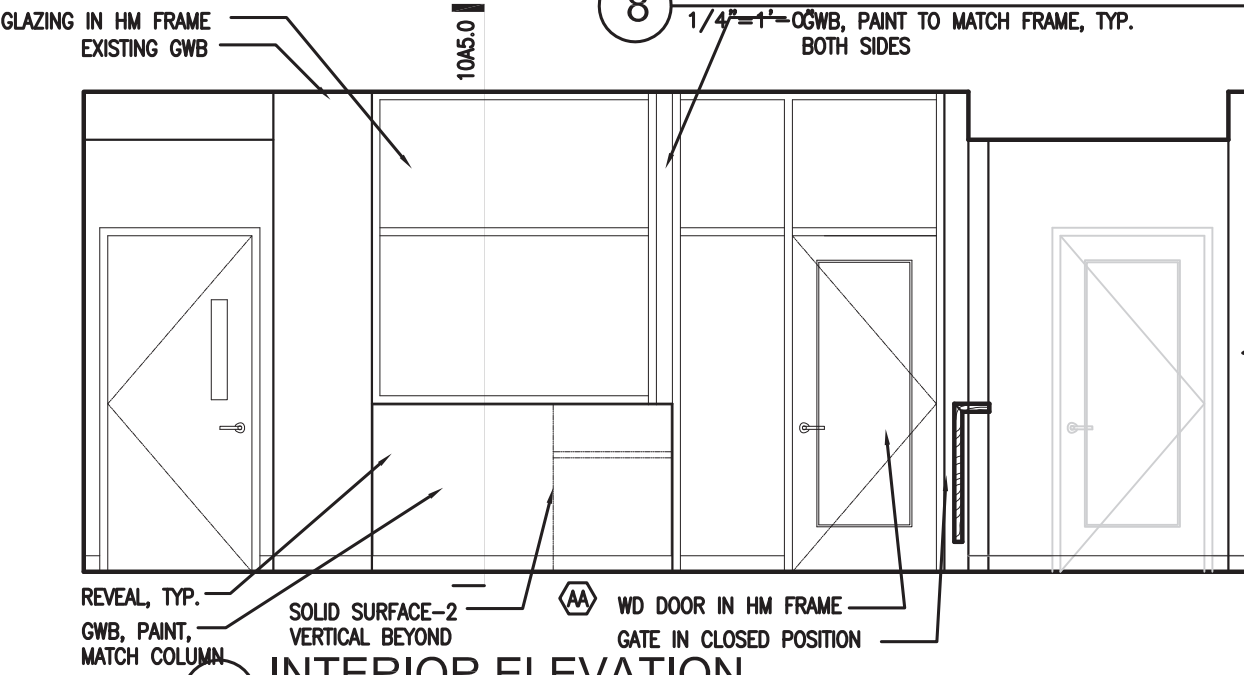
8 INTERIOR ELEVATION
1/4"=1'-0"



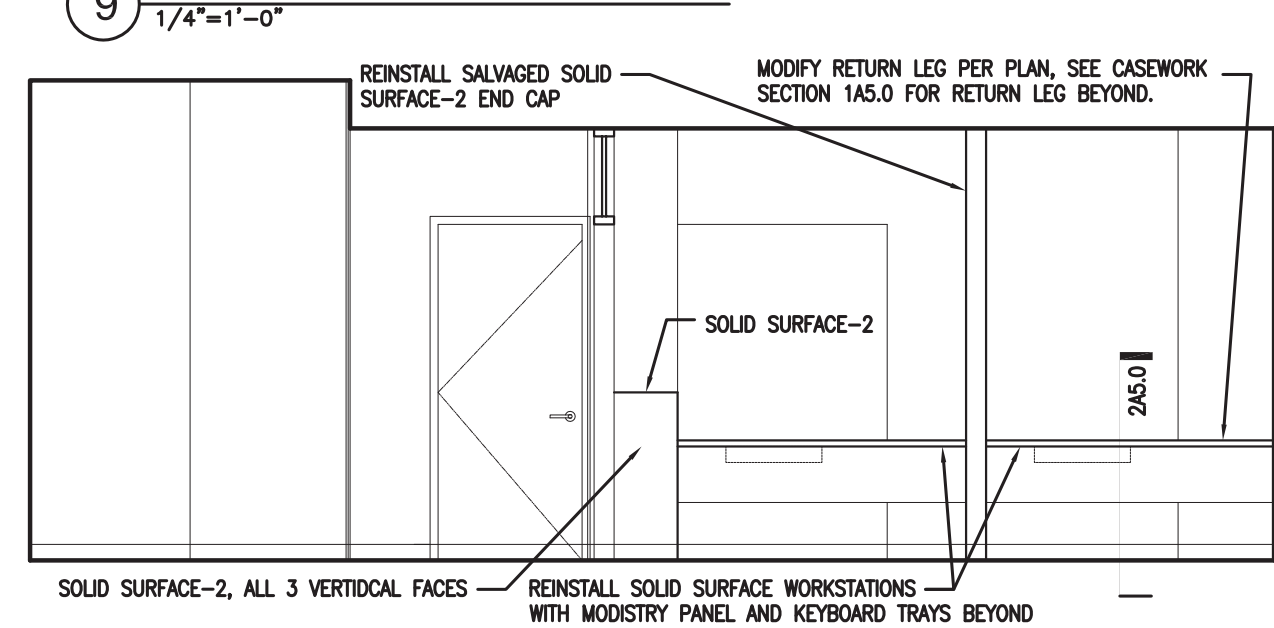
9 INTERIOR ELEVATION
1/4"=1'-0"



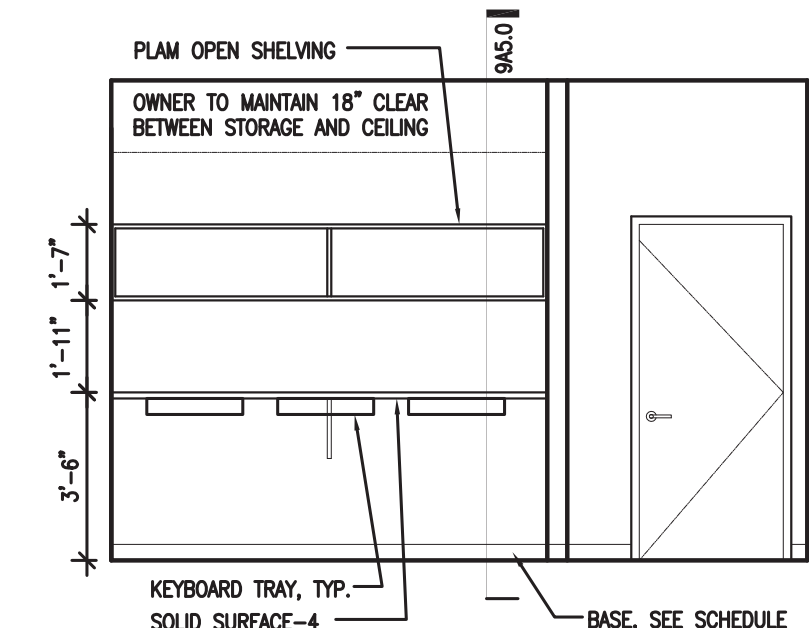
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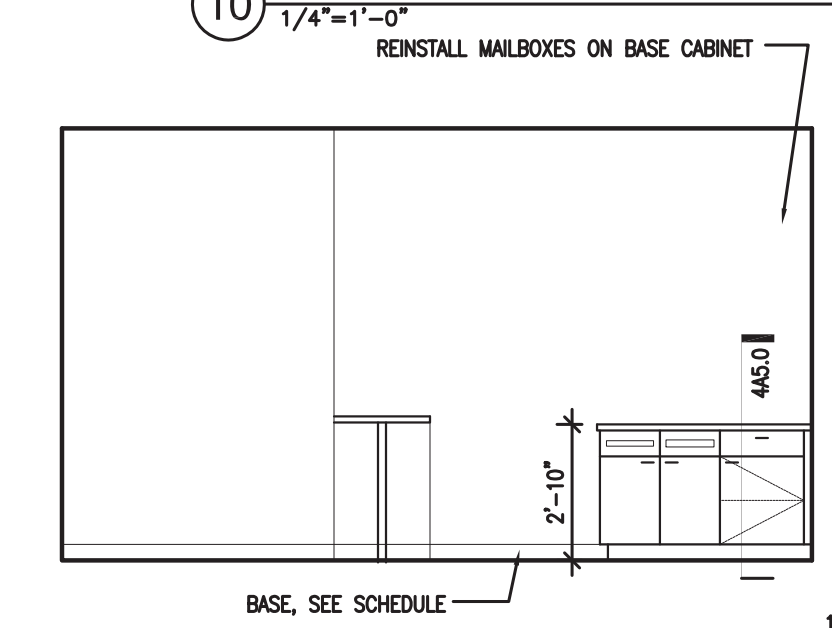
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1/4"=1'-0"



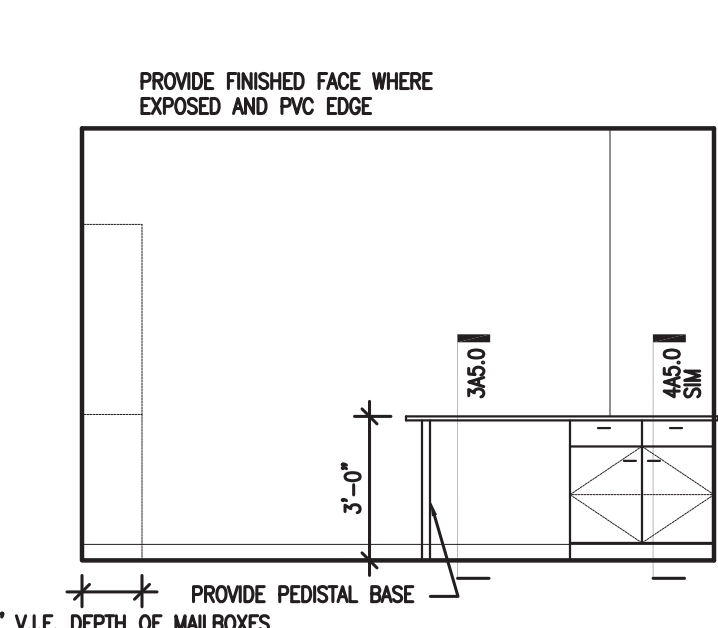
13 INTERIOR ELEVATION
1/4"=1'-0"



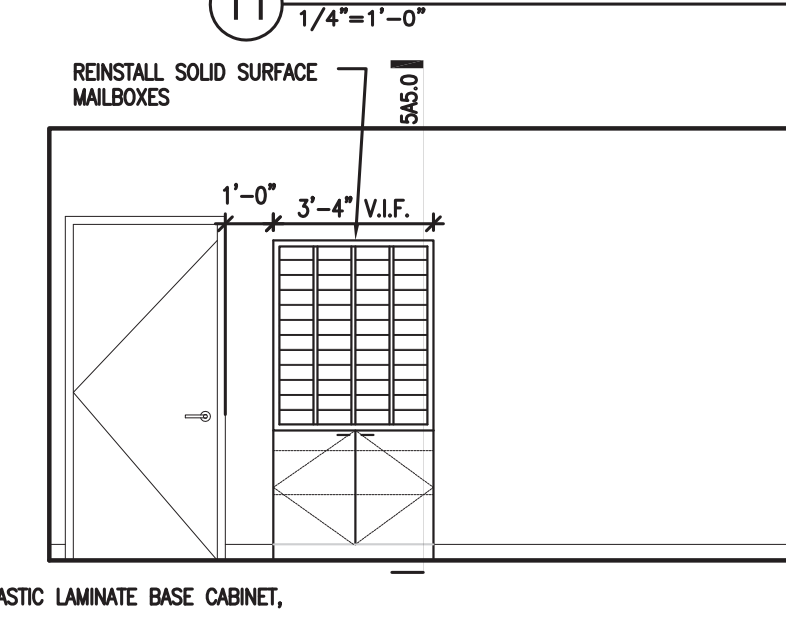
14 INTERIOR ELEVATION
1/4"=1'-0"



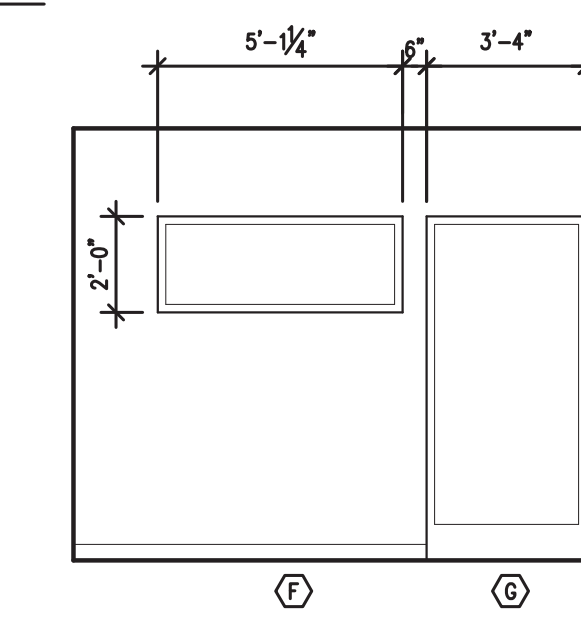
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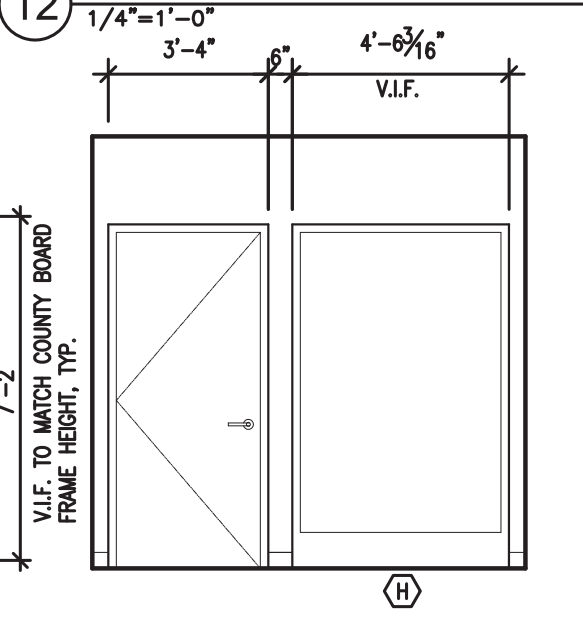
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1/4"=1'-0"



17 INTERIOR ELEVATION
1/4"=1'-0"



18 INTERIOR ELEVATION
1/4"=1'-0"



19 INTERIOR ELEVATION
1/4"=1'-0"

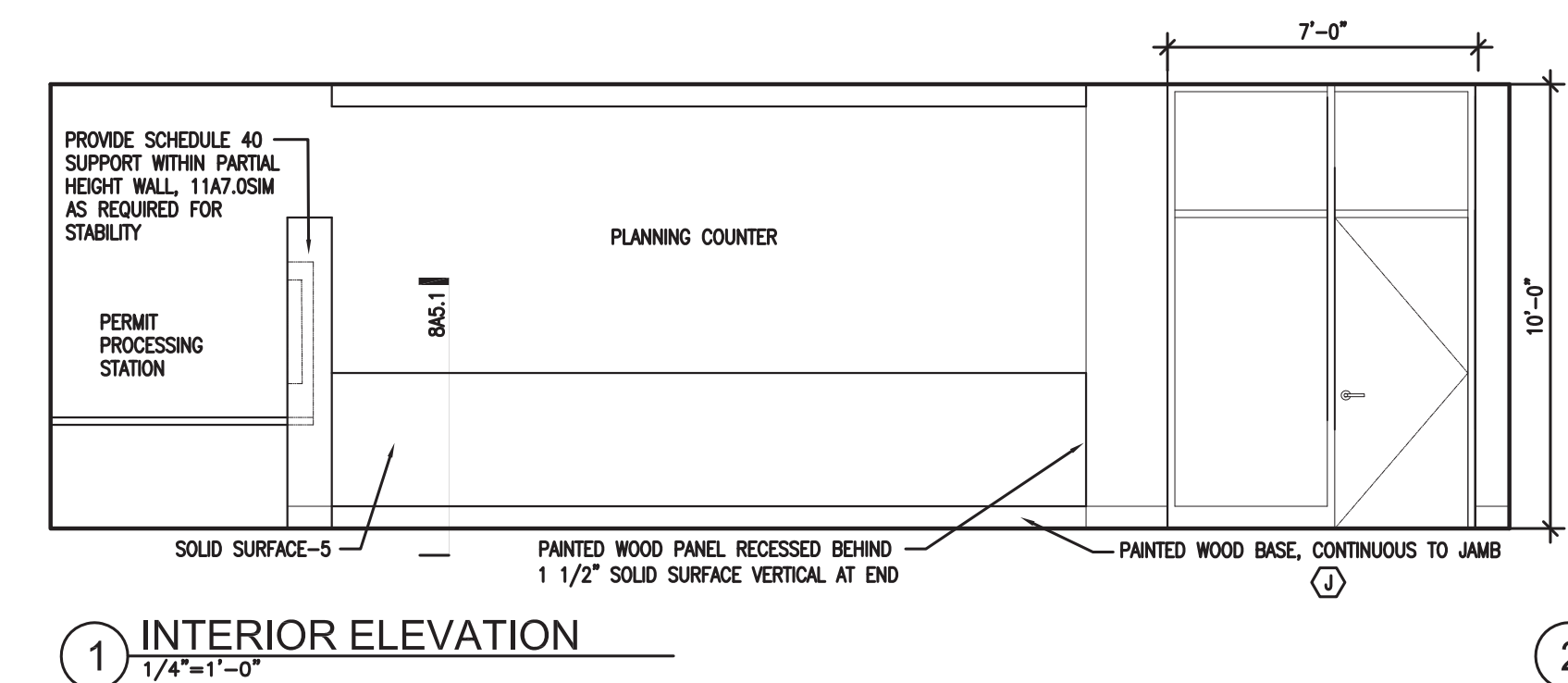
PROJECT
TENANT IMPROVEMENTS
FIRST FLOOR
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

DRAWING
INTERIOR ELEVATIONS

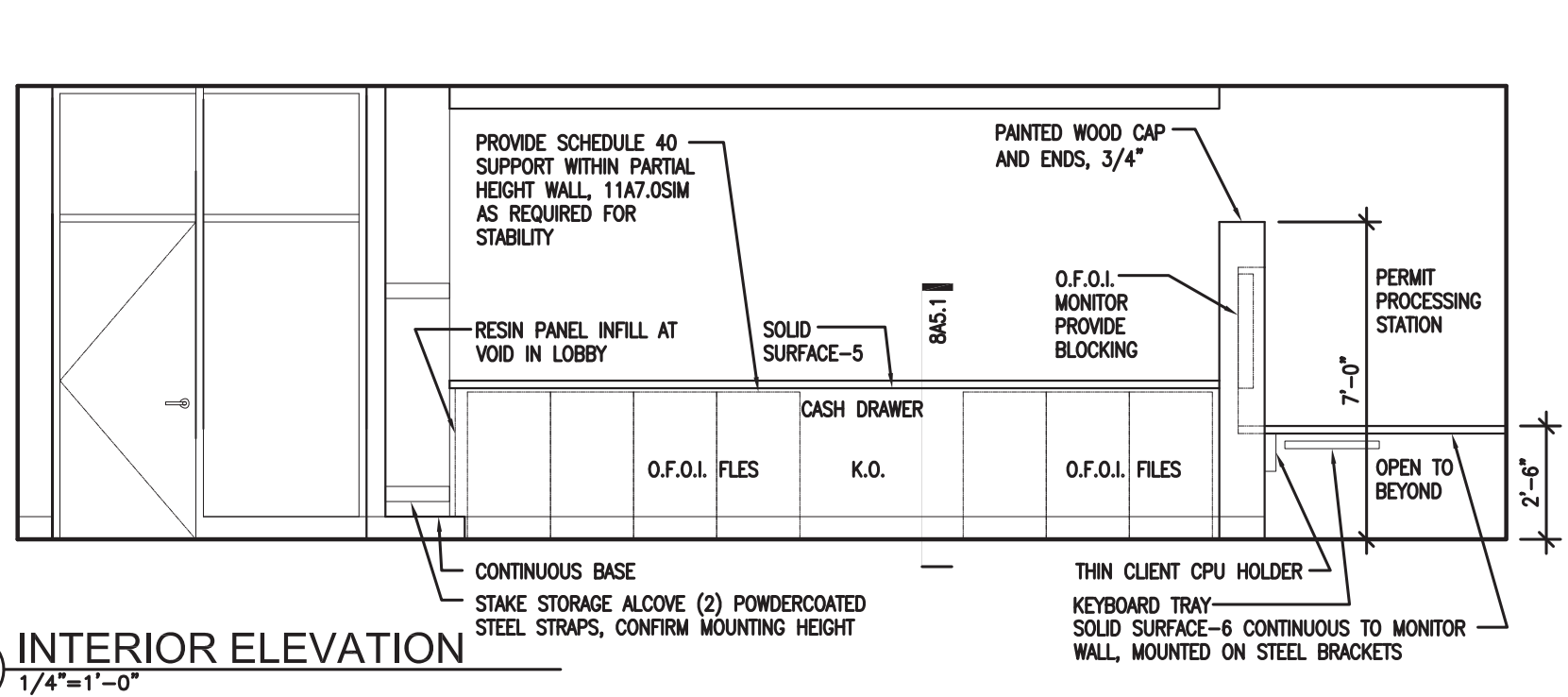
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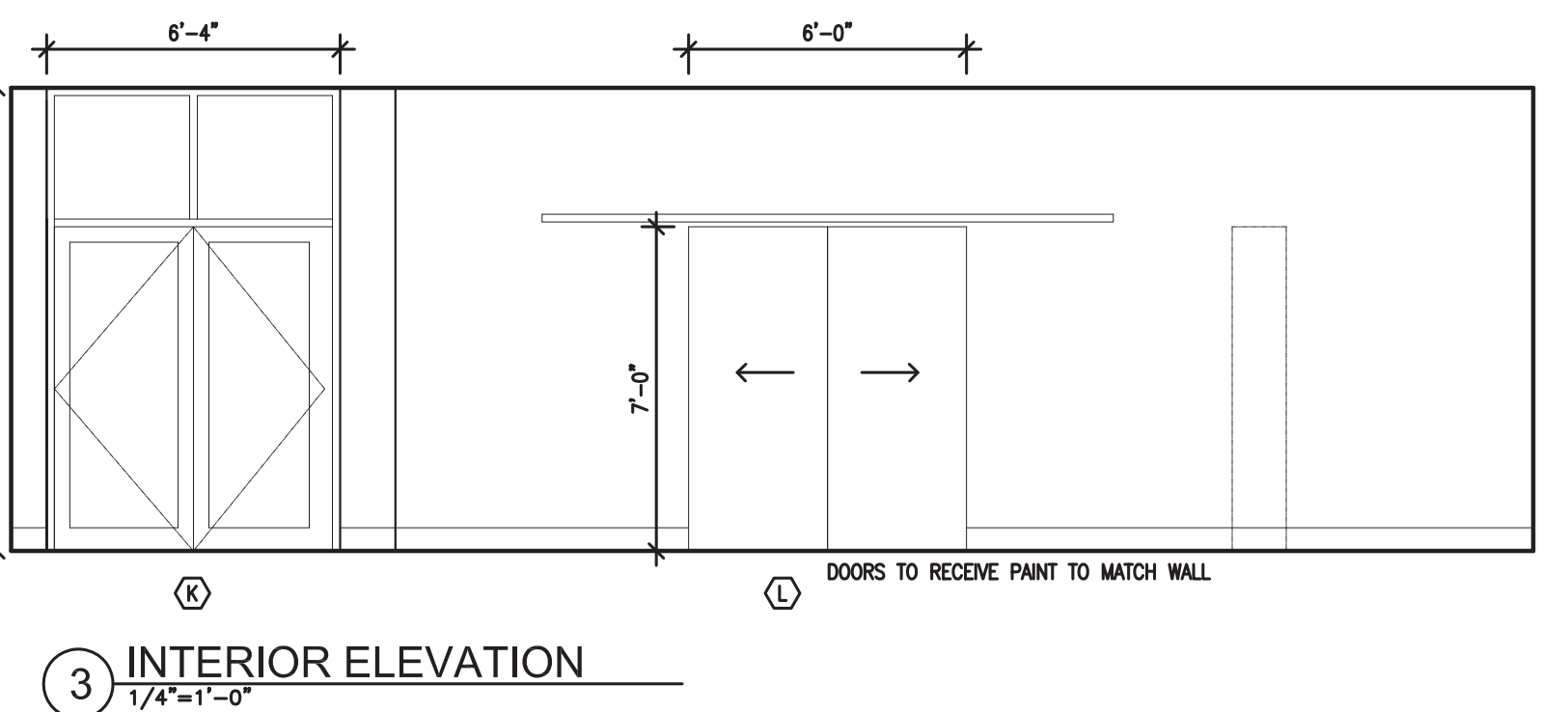
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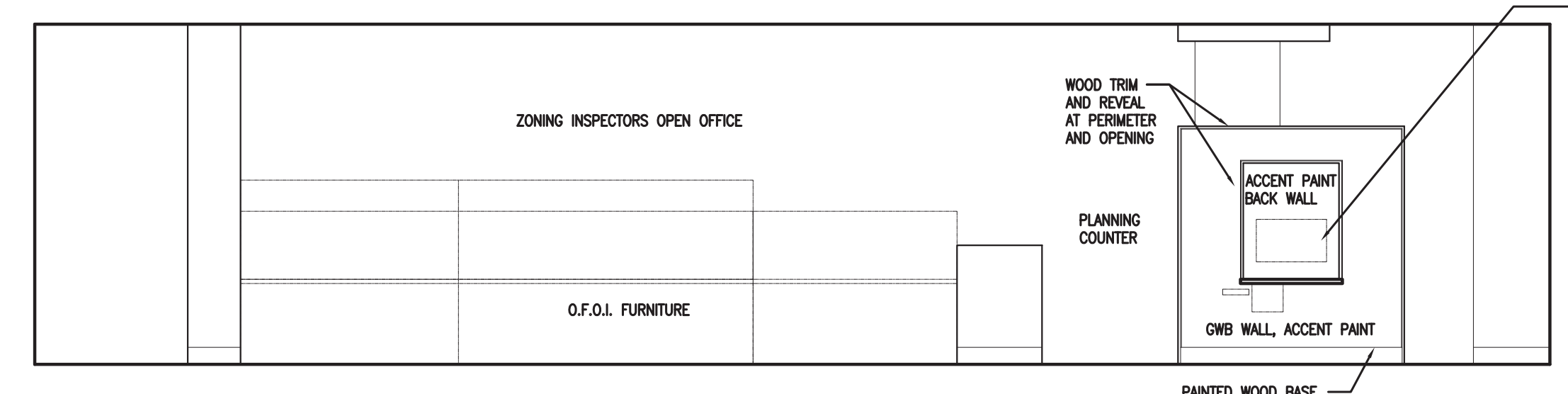
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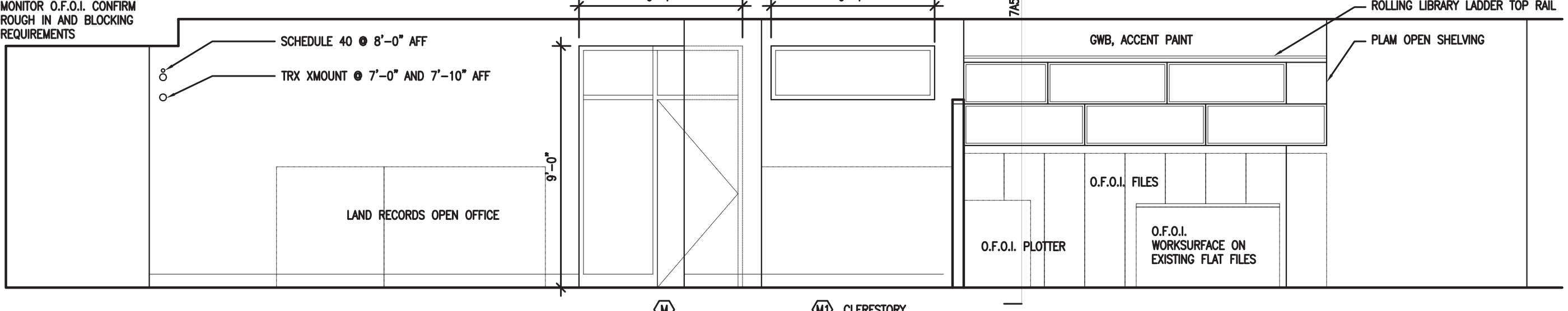
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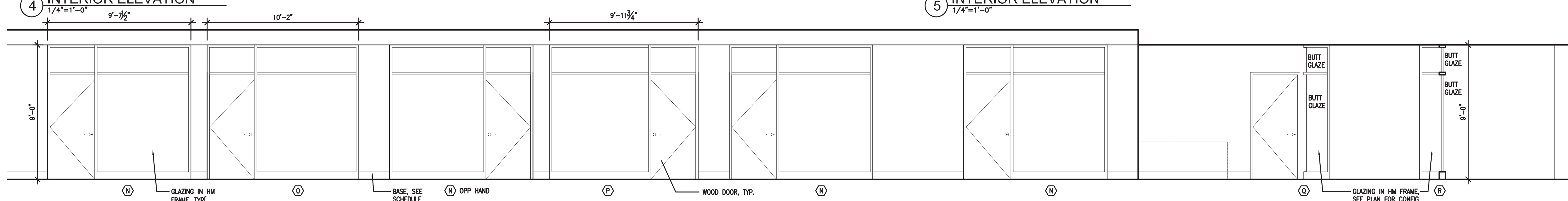
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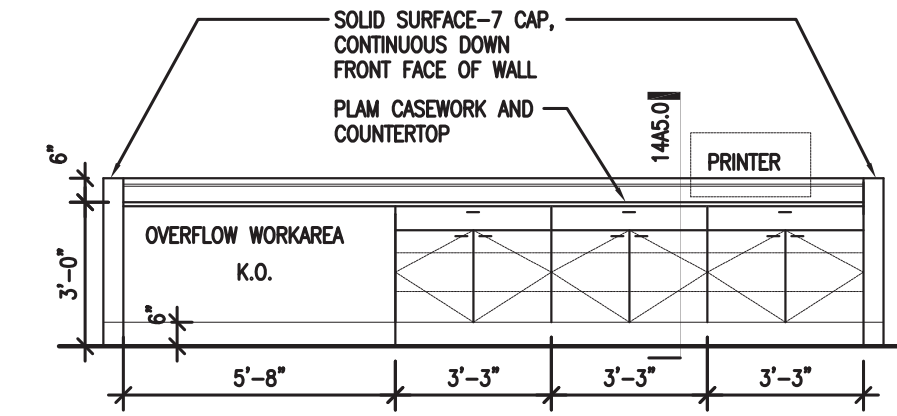
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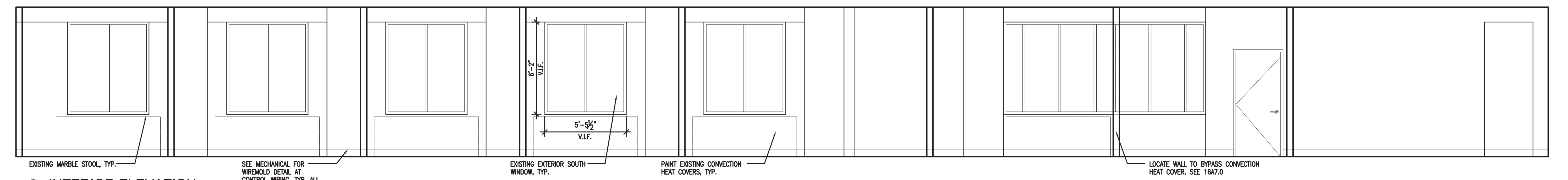
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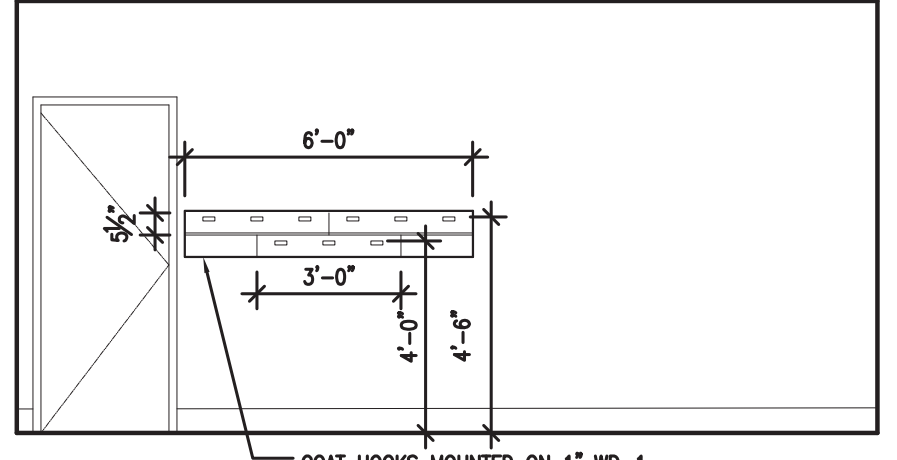
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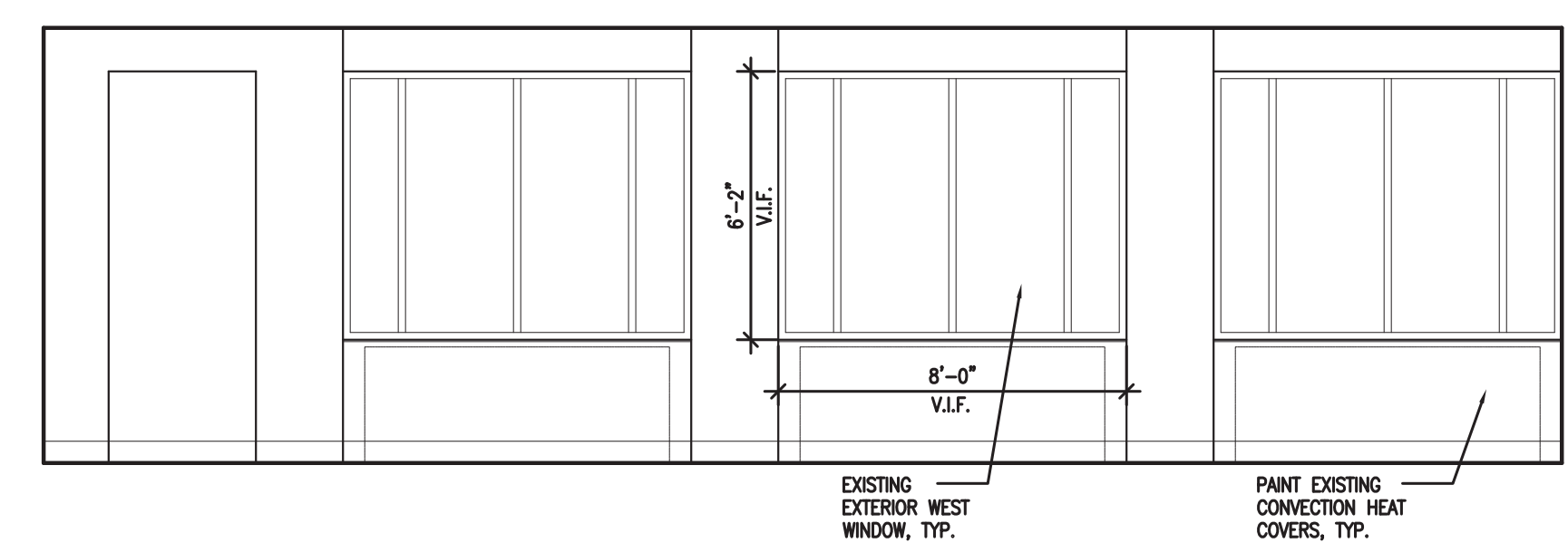
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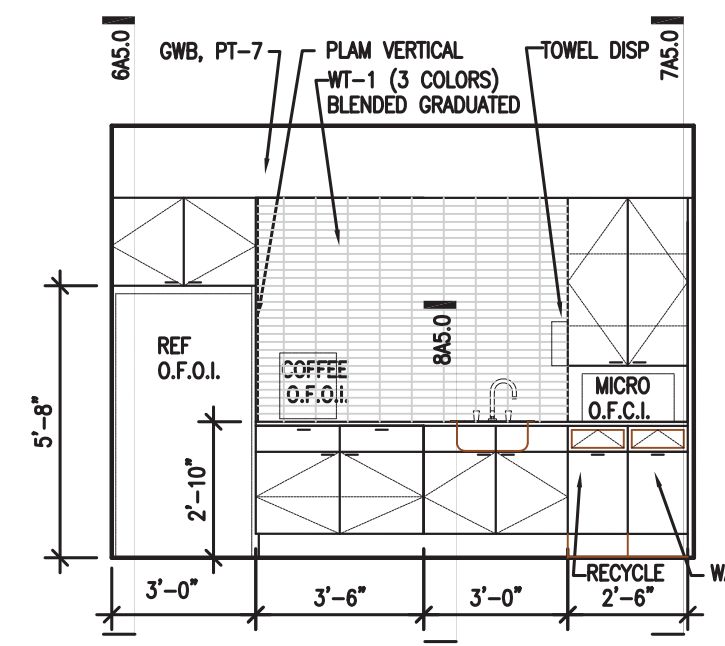
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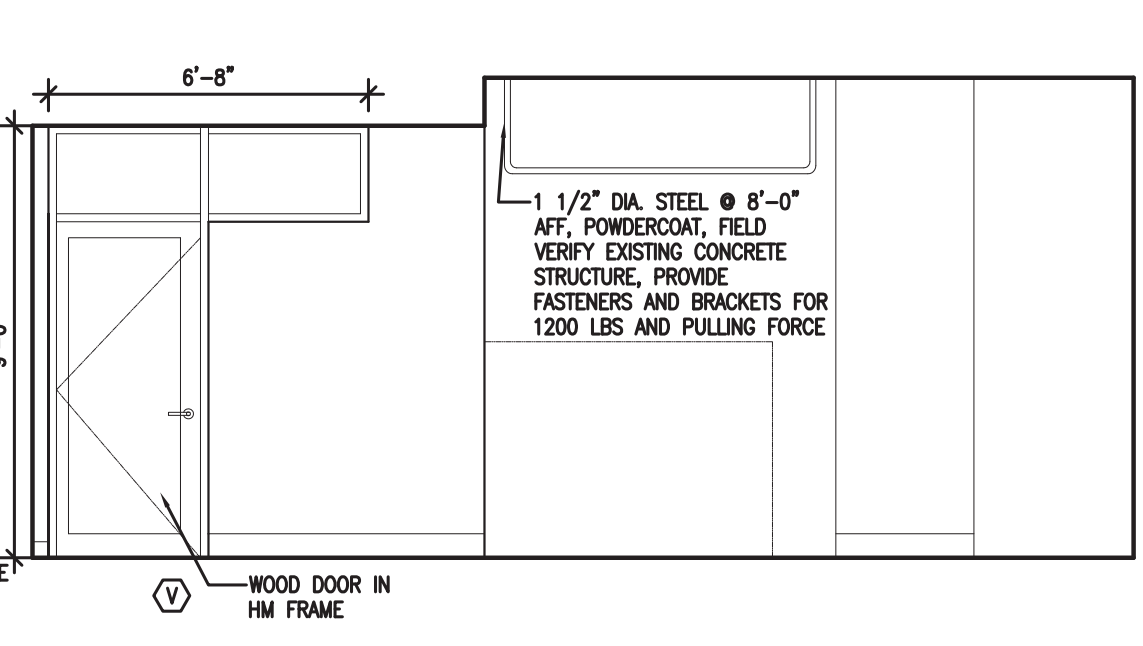
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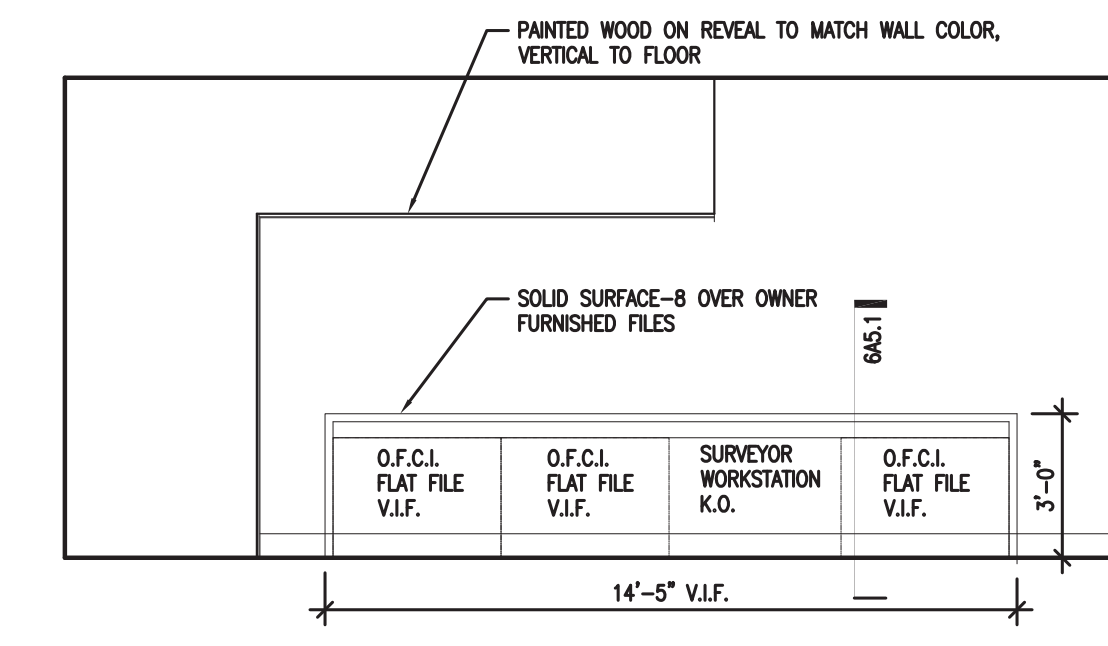
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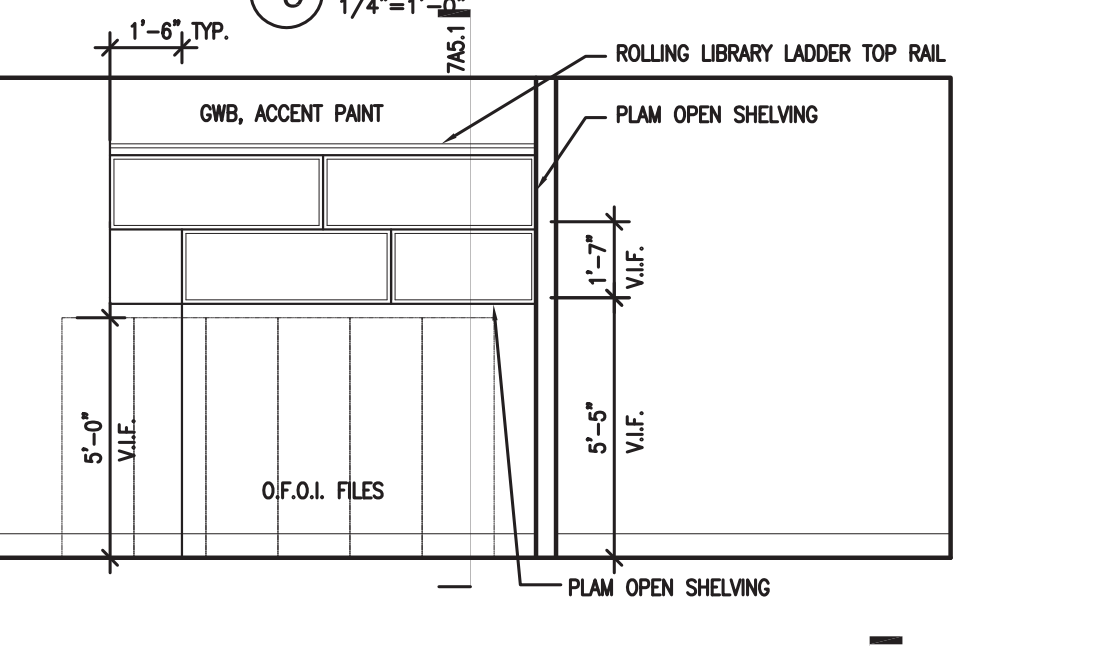
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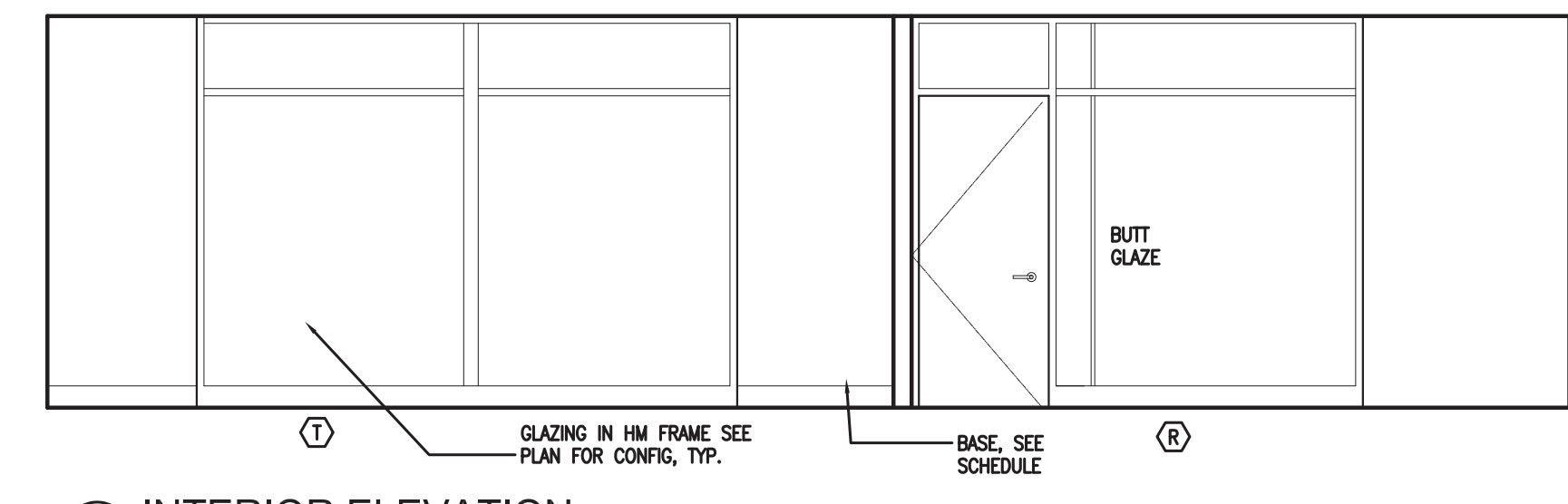
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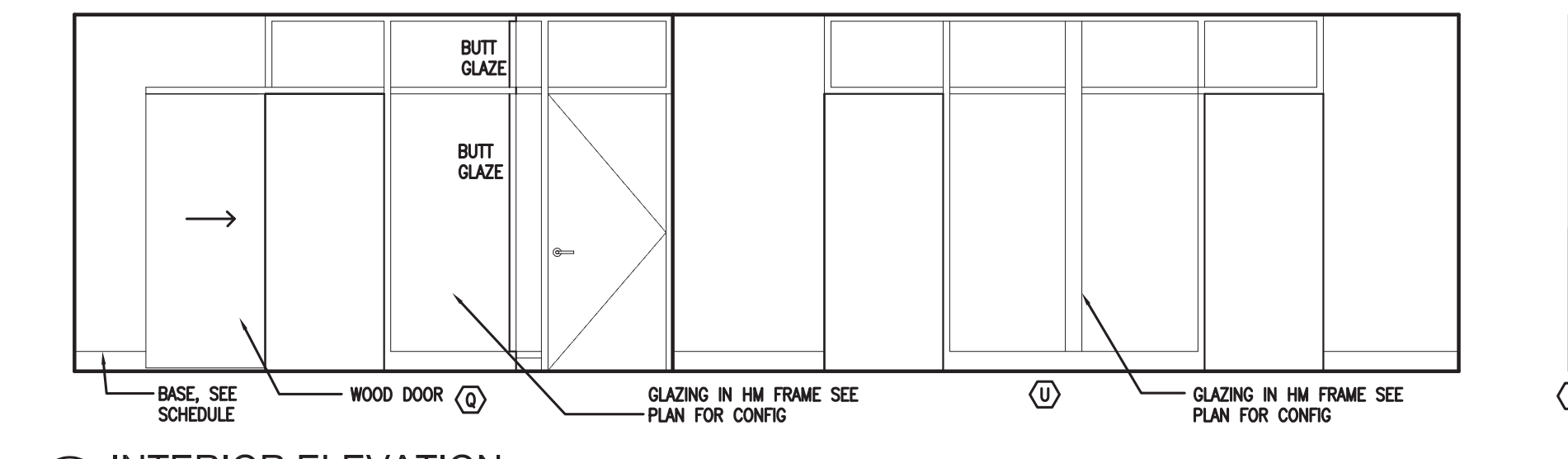
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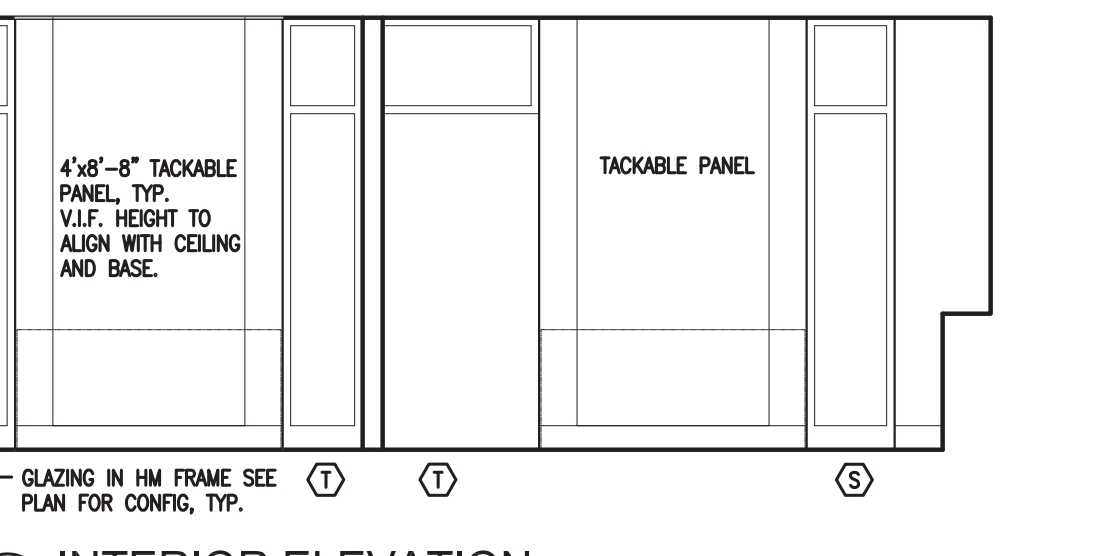
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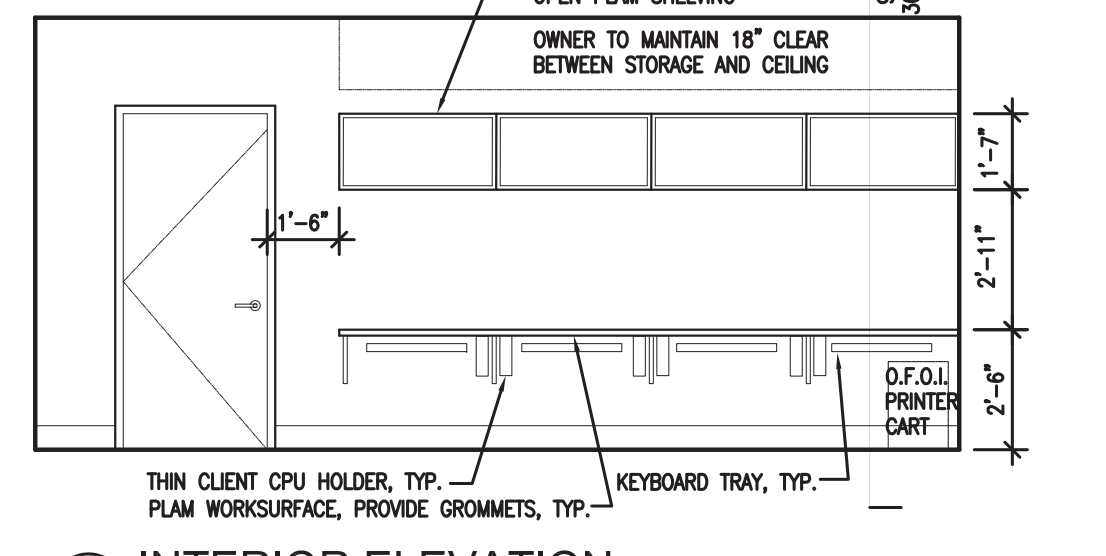
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1/4"=1'-0"



16 INTERIOR ELEVATION
1/4"=1'-0"



17 INTERIOR ELEVATION
1/4"=1'-0"



18 INTERIOR ELEVATION
1/4"=1'-0"

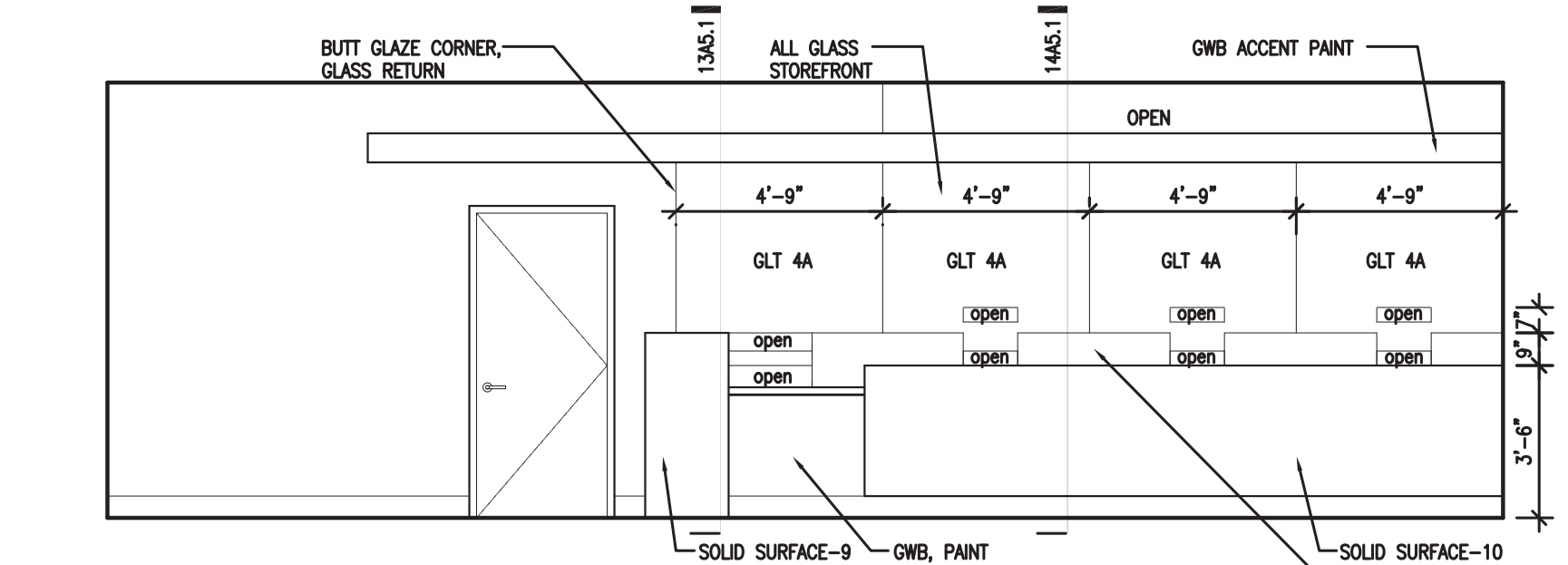
PROJECT
TENANT IMPROVEMENTS
FIRST FLOOR
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

DRAWING
INTERIOR ELEVATIONS

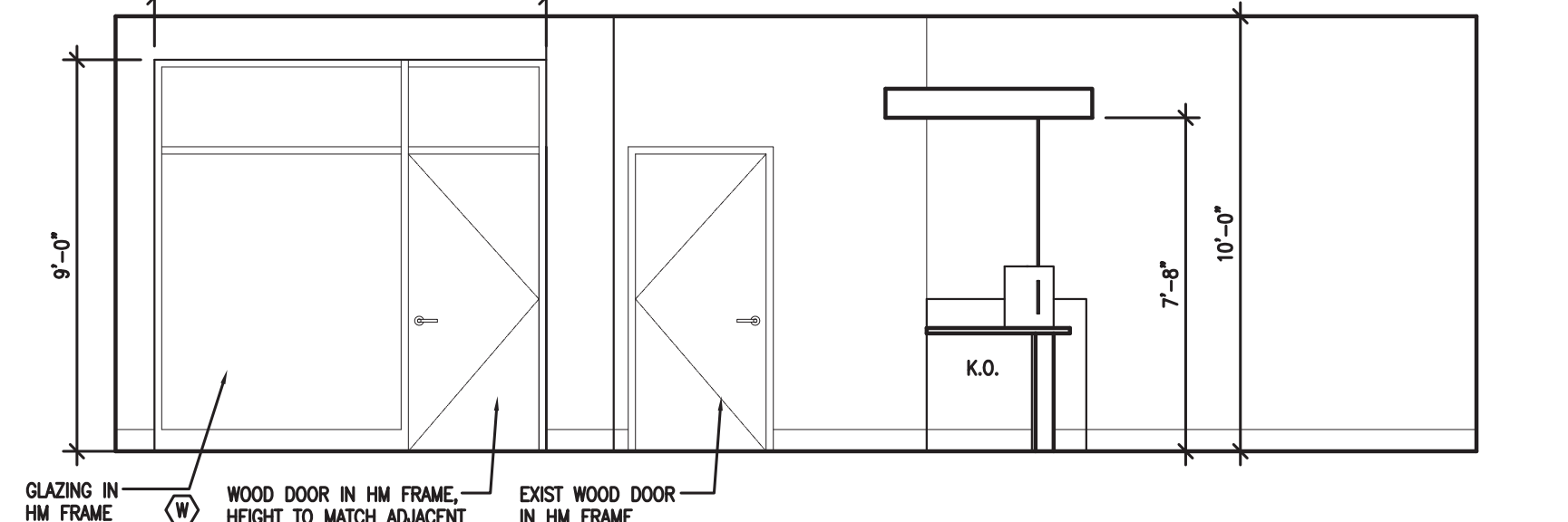
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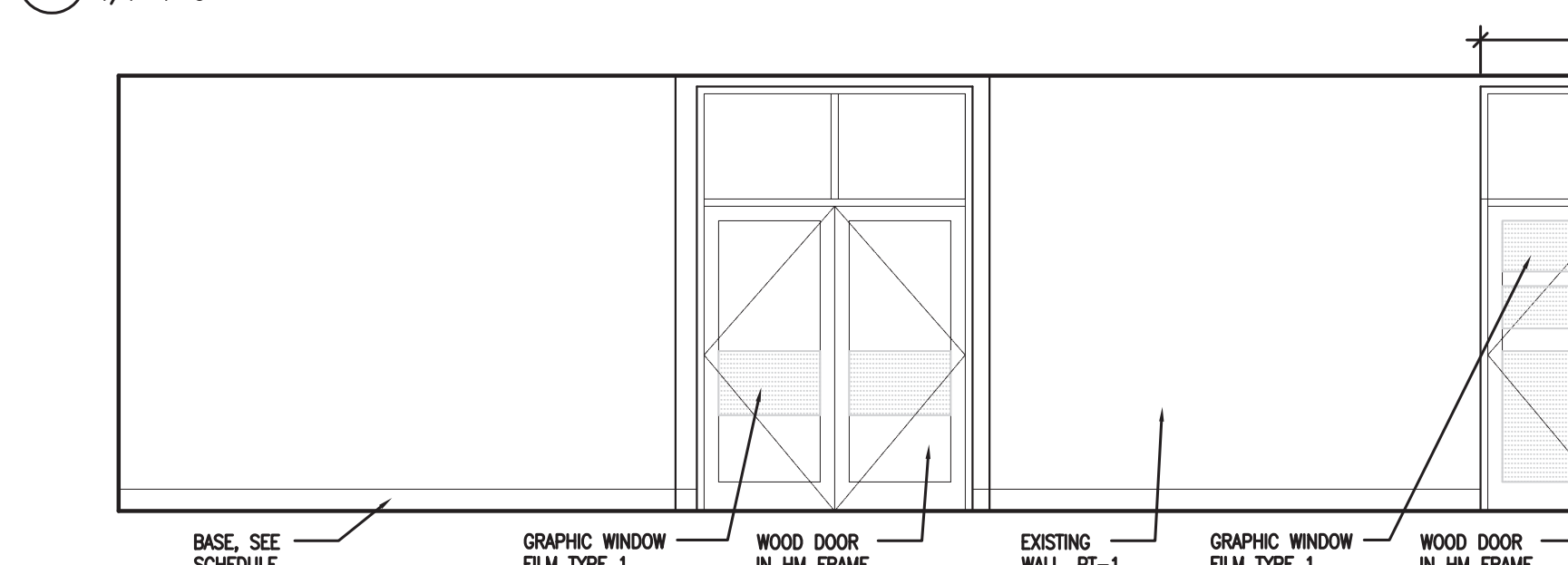
TOILET ACCESSORY SCHEDULE		
ABBREVIATION	ITEM	STD. MOUNTING HEIGHT
CHW	CLOTHES HOOK MOUNTED ON WALL	(1)5'-6" A.F.F. (1)4'-0" A.F.F.
FD	FLOOR DRAINS	
GB18	18" GRAB BAR	CENTER @ 2'-10" A.F.F.
GB34	34" GRAB BAR	CENTER @ 2'-10" A.F.F.
GB36	36" GRAB BAR	CENTER @ 2'-10" A.F.F.
GB42	42" GRAB BAR	CENTER @ 2'-10" A.F.F.
LAV	LAVATORY	
M	MIRROR W/STEEL CHANNEL FRAME	
SDW	WALL MOUNTED SOAP DISPENSER, O.F.C.I.	VALVE @ 40"
SNL	SANITARY NAPKIN DISPOSAL	MIN. 18" TO C
TD	TOWEL DISPENSER	TOP @ 46" A.F.F. MAX.(SEE ELEV)
TPH	TOILET PAPER HOLDER, O.F.C.I.	CENTER @ 2'-10" A.F.F.
WC	WATER CLOSETS	



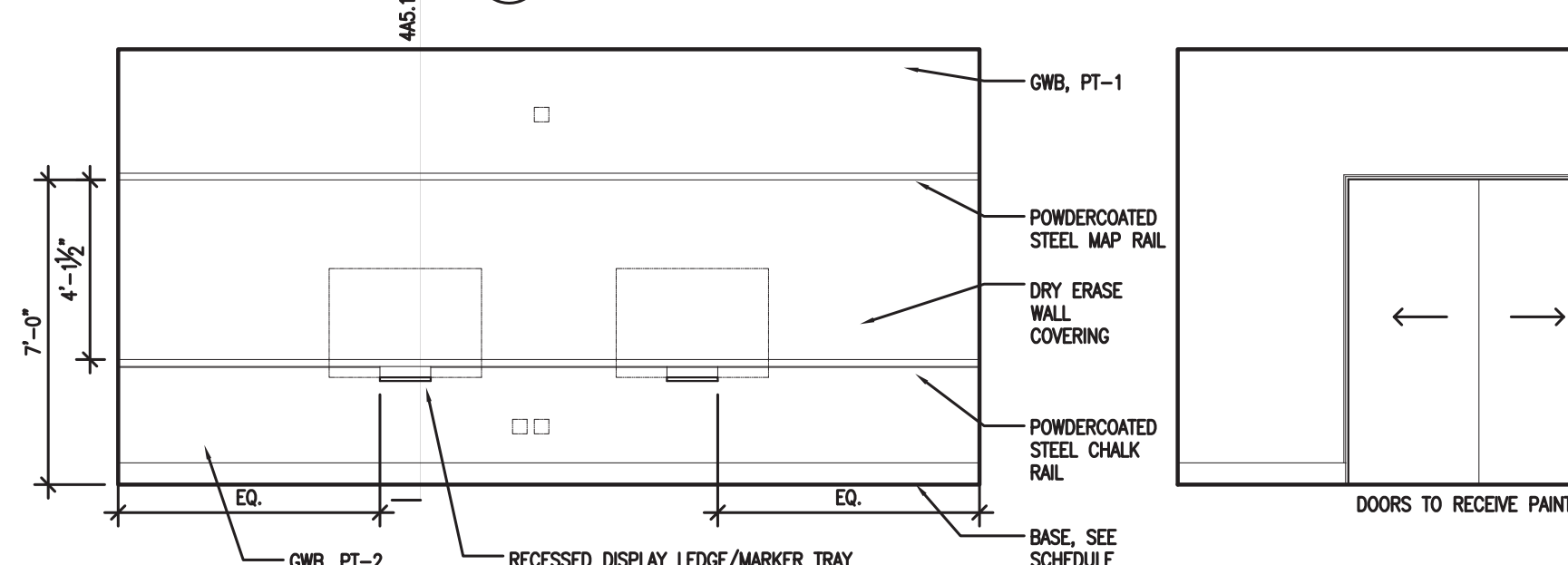
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1/4"=1'-0"



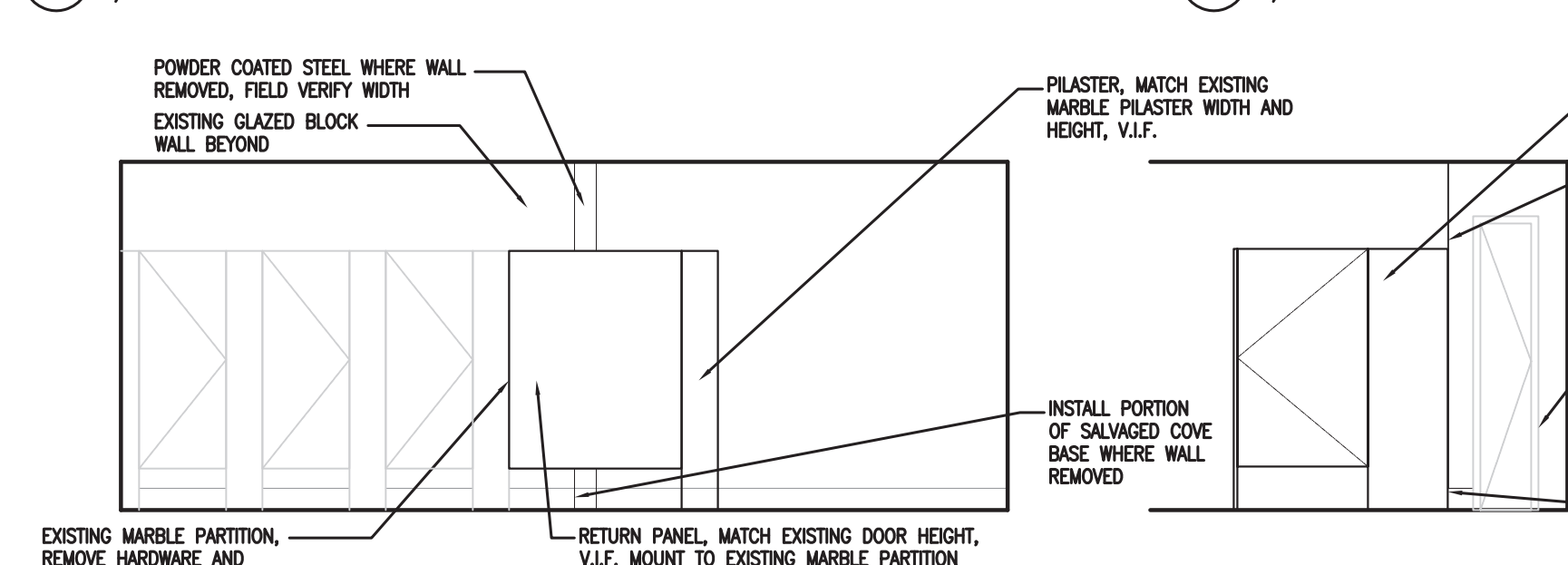
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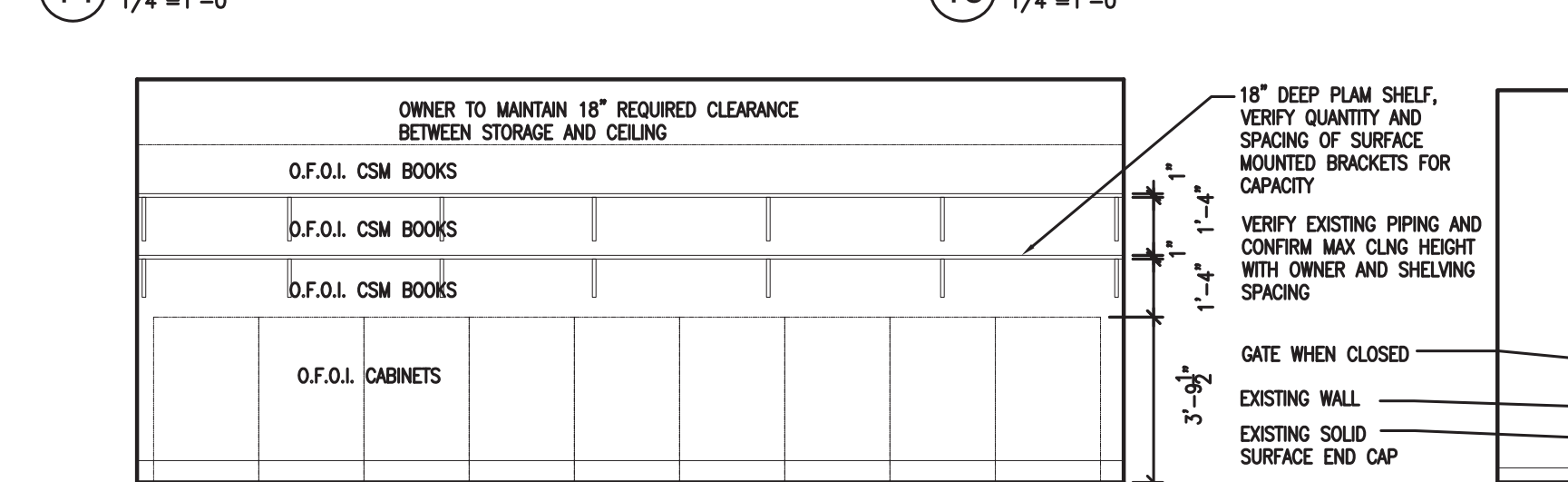
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1/4"=1'-0"



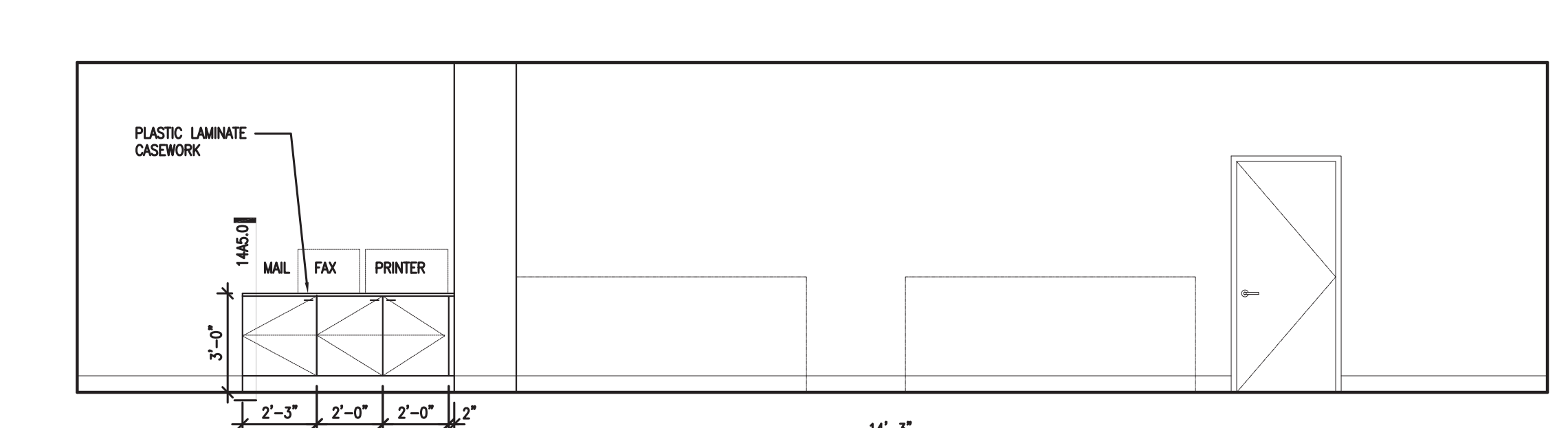
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1/4"=1'-0"



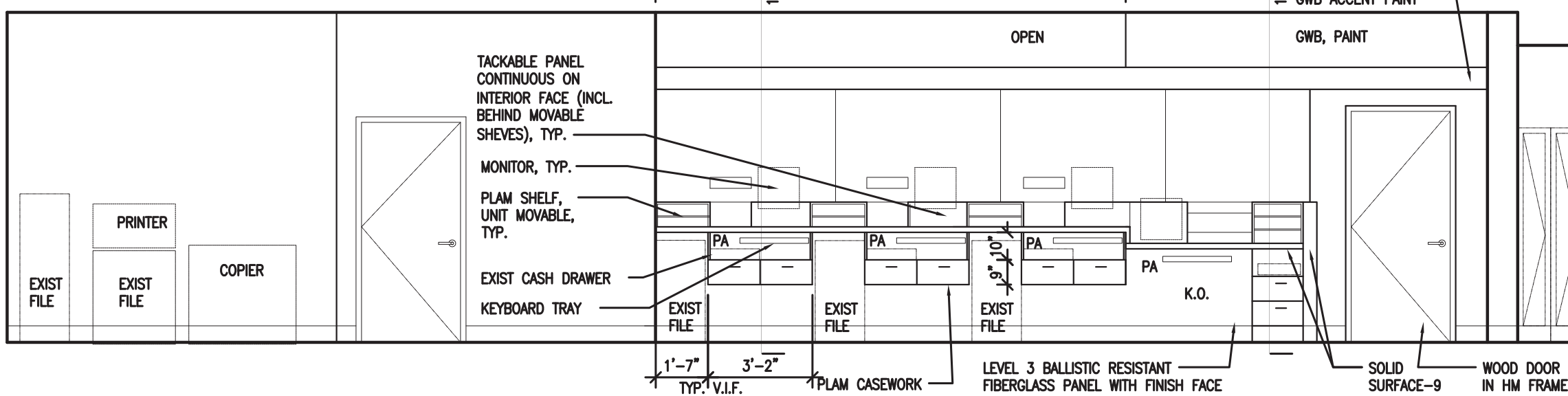
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1/4"=1'-0"



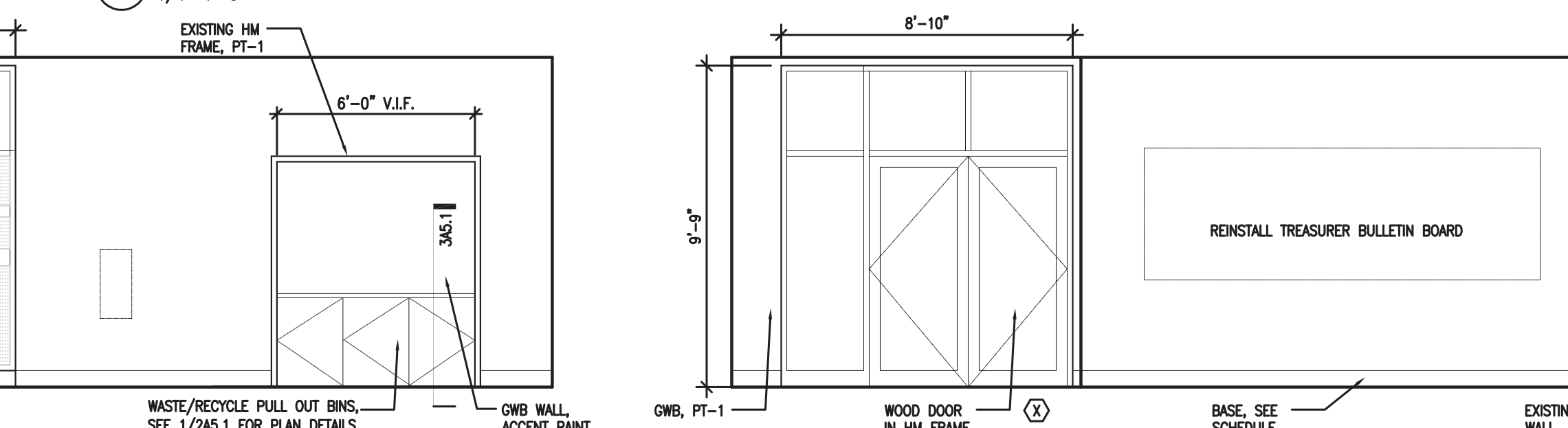
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1/4"=1'-0"



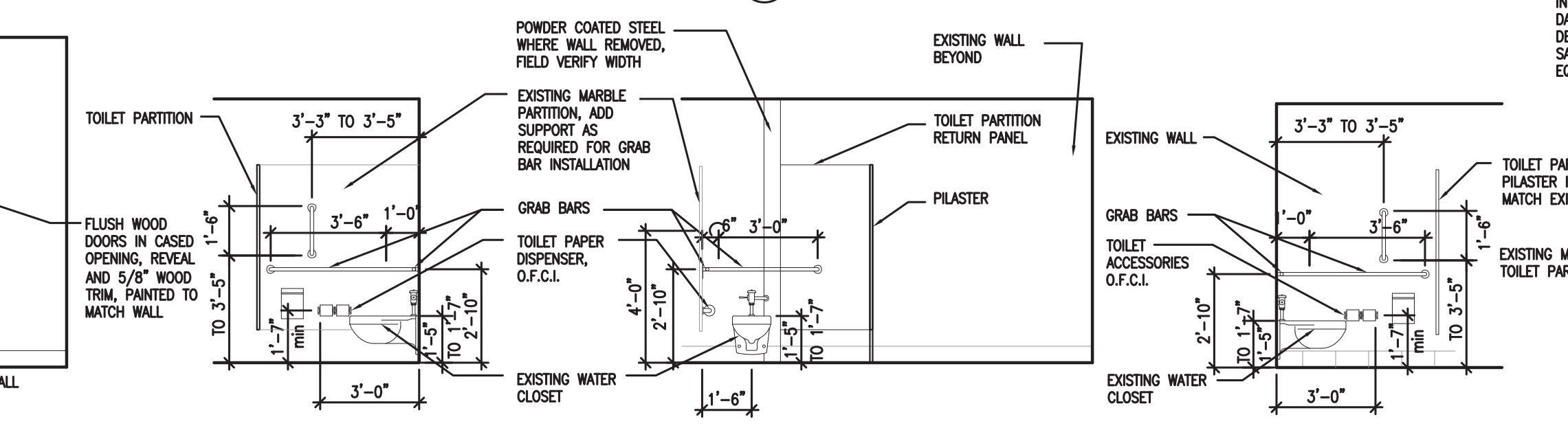
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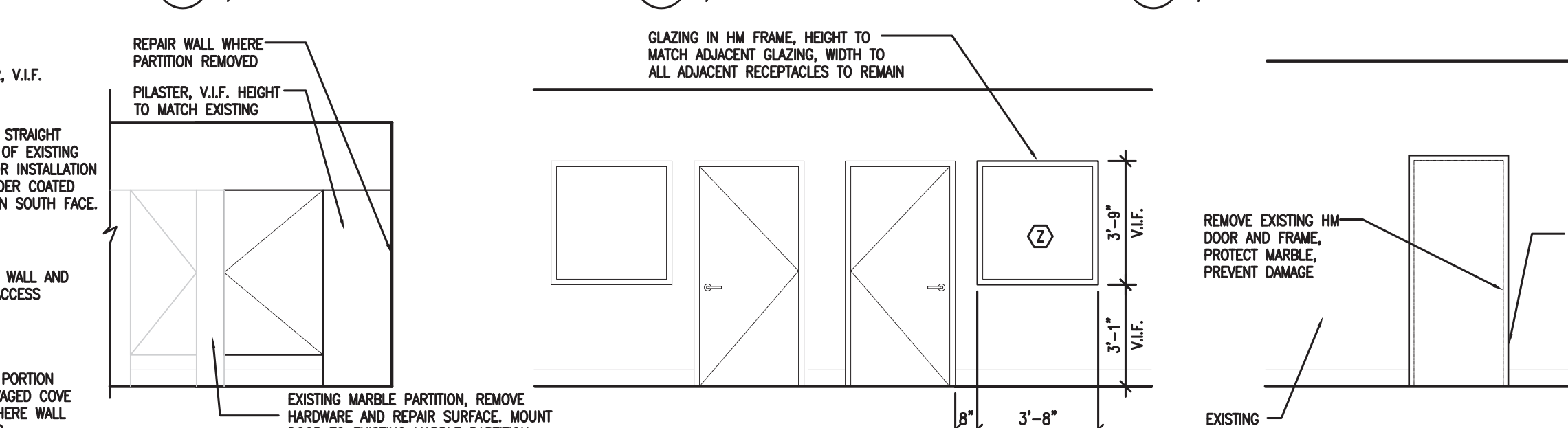
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1/4"=1'-0"



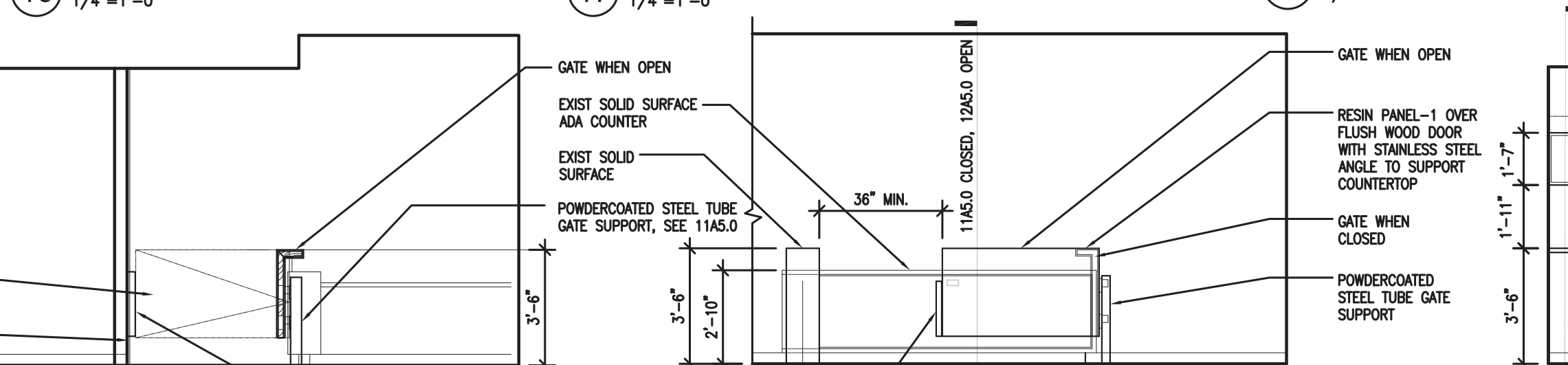
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1/4"=1'-0"



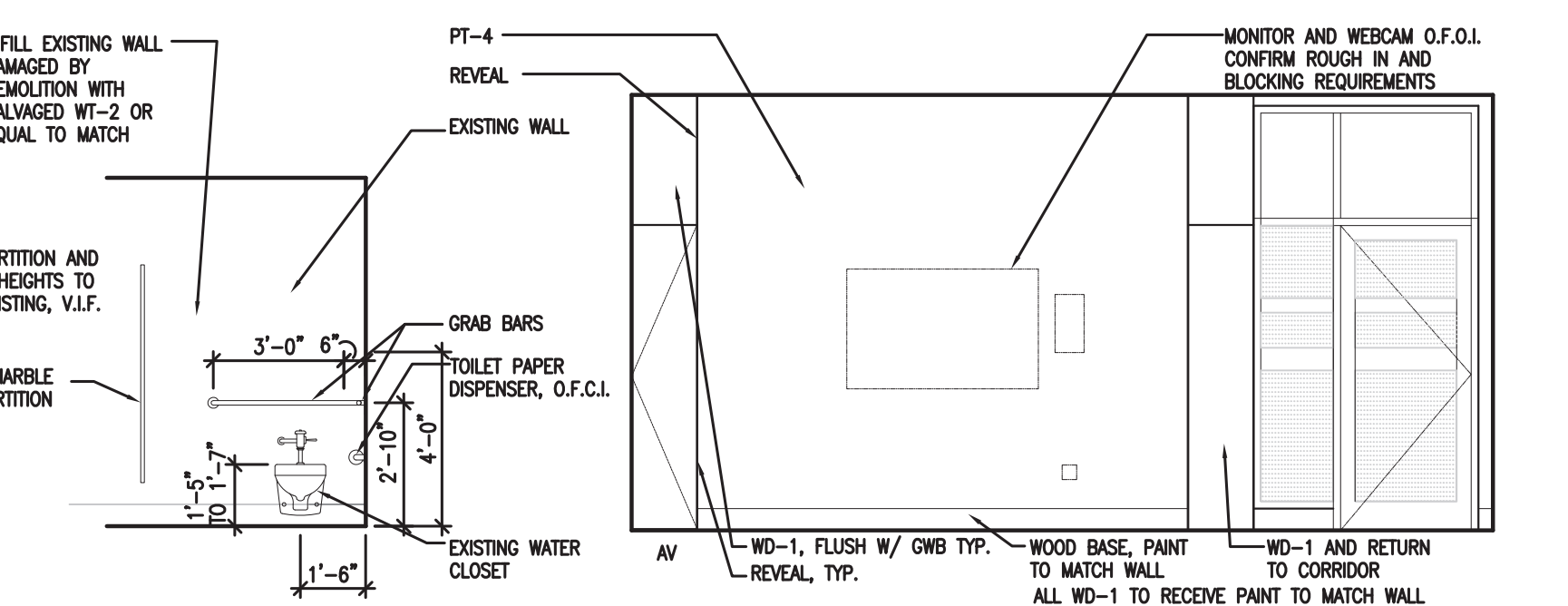
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1/4"=1'-0"



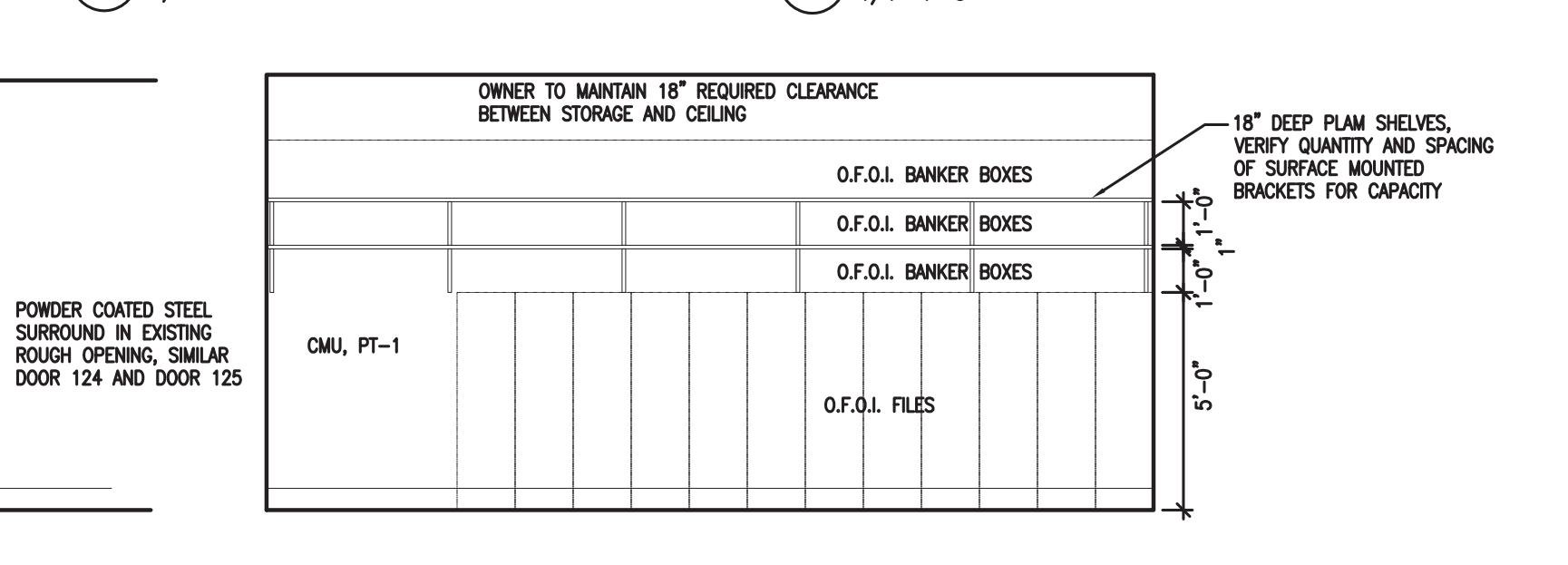
16 INTERIOR ELEVATION
1/4"=1'-0"



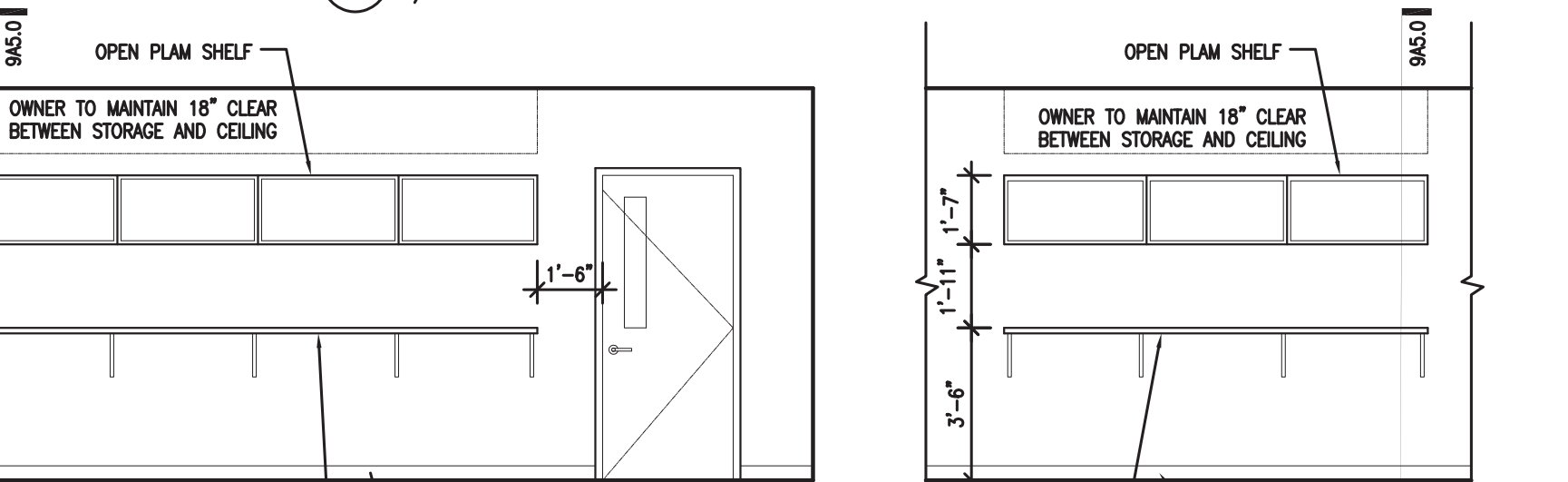
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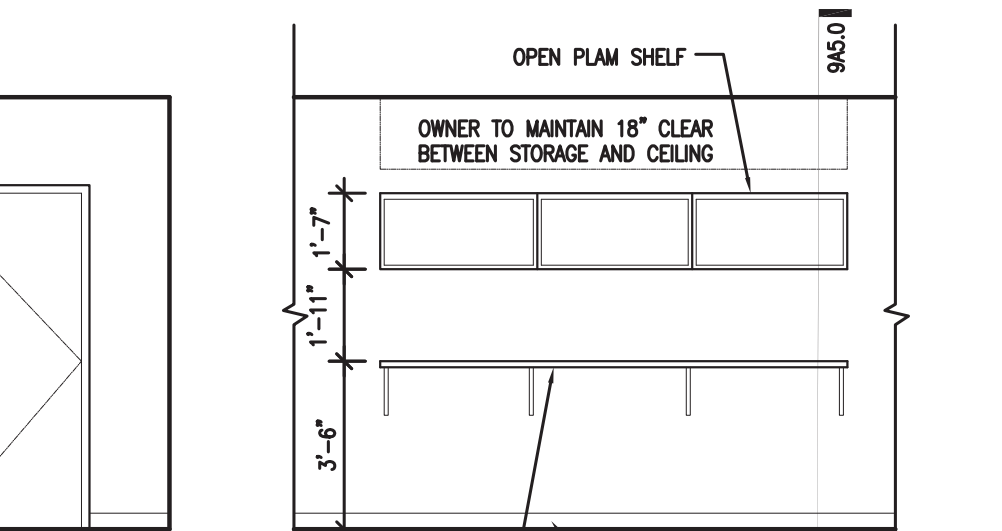
13 INTERIOR ELEVATION
1/4"=1'-0"



19 INTERIOR ELEVATION
1/4"=1'-0"

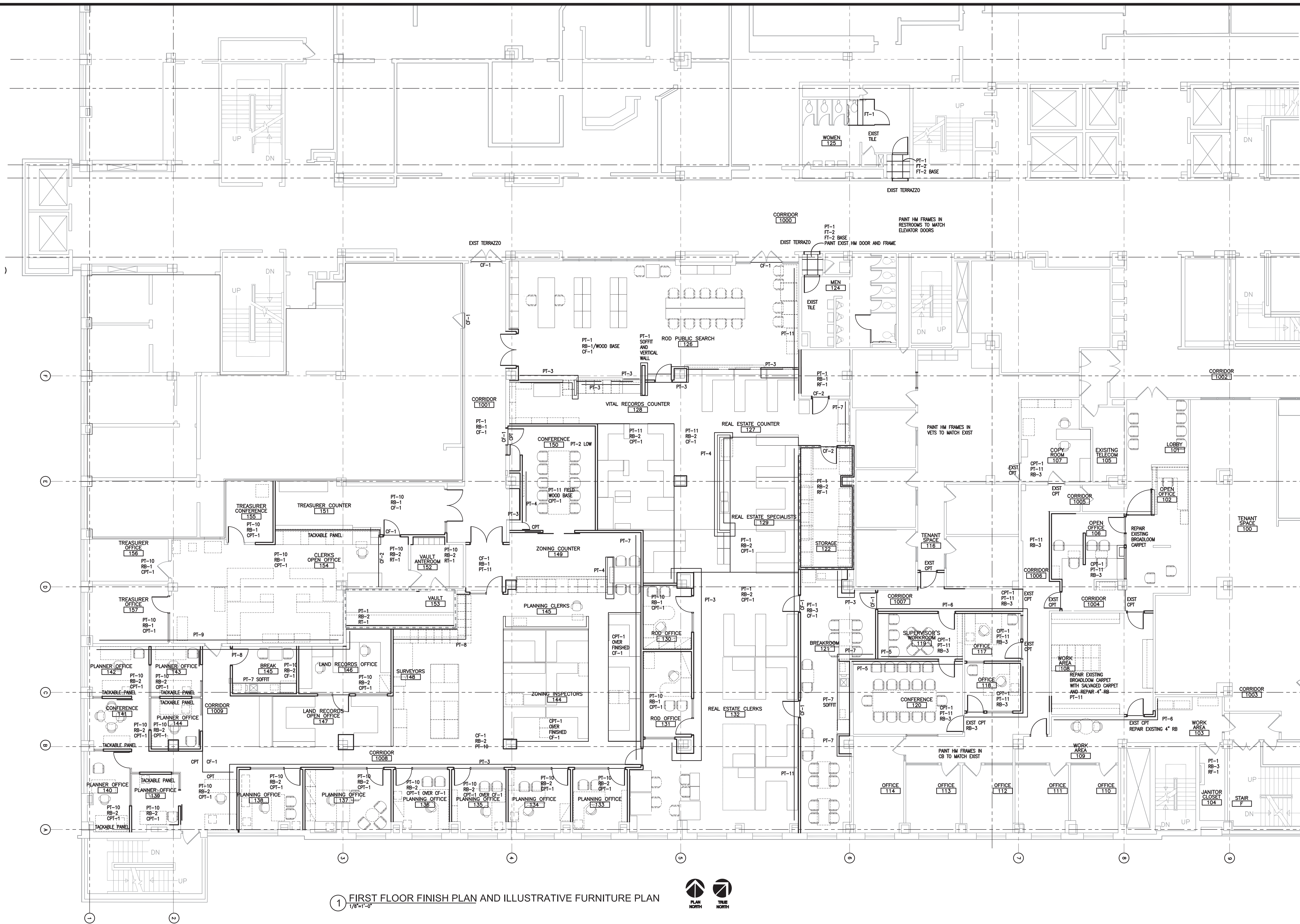


23 INTERIOR ELEVATION
1/4"=1'-0"



24 INTERIOR ELEVATION
1/4"=1'-0"

ISSUED



1 FIRST FLOOR FINISH PLAN AND ILLUSTRATIVE FURNITURE PLAN
1/8"=1'-0"



PROJECT
TENANT IMPROVEMENTS
FIRST FLOOR
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

DRAWING
FINISH PLAN AND
ILLUSTRATIVE FURNITURE
PLAN
DATE
04.01.14

PLUMBING FIXTURE SCHEDULE

REFER TO SPECIFICATION SECTION 22 40 00 FOR ACCEPTABLE EQUAL MANUFACTURERS

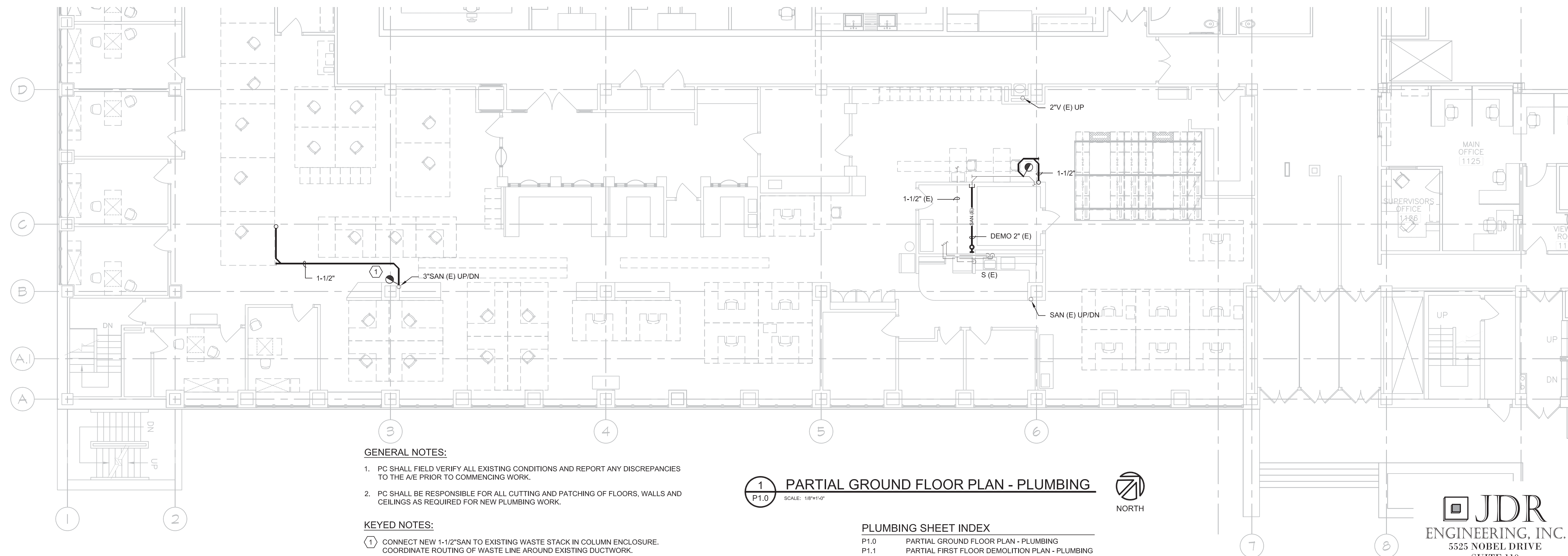
ID	FIXTURE	WASTE			WATER				DESCRIPTION/REMARKS
		DFU	TRAP	VENT (MIN)	COLD		HOT		
					CWFU	SIZE	HWFU	SIZE	
S-1	SINK (ADA COMPLIANT)	2	1-1/2"	1-1/2"	1.5	1/2"	1.5	1/2"	<p>FIXTURE: ELKAY LRAD 2219-6.5, 18 GAUGE TYPE 304 STAINLESS STEEL SINK, SELF-RIMMING, 22"x19"x6.5" DEEP, FIVE (5) FAUCET HOLES ON 4" CENTERS, ADA COMPLIANT.</p> <p>SINK FAUCET: KOHLER SIMPLICE K-597, MANUAL FAUCET WITH PULL-DOWN SPRAY, METAL CONSTRUCTION, 1.8 GPM AERATOR, POLISHED CHROME FINISH, SINGLE HOLE MOUNTING, INCLUDE 8" ESCUTCHEON FOR THREE HOLE INSTALLATION, SINGLE CONTROL LEVER, ADA COMPLIANT.</p> <p>DRINKING WATER FILTER AND FAUCET: AQUA-PURE CS-S FILTER AND SPOUT PACKAGE. MOUNT FILTER UNDER COUNTER WITH MANUFACTURER'S MOUNTING HARDWARE, PIPE TO DRINKING WATER SPOUT AND HOT WATER DISPENSER SPOUT. MOUNT DRINKING WATER SPOUT IN SINK SPOUT HOLE TO THE RIGHT OF SINK FAUCET. PROVIDE BALL VALVE UNDER COUNTER ON COLD WATER SUPPLY TO DRINKING WATER FILTER.</p> <p>HOT WATER DISPENSER AND FAUCET: INSINKERATOR C1300 HOT WATER DISPENSER AND SPOUT, UNDER COUNTER INSTANTANEOUS WATER HEATER, ADJUSTABLE TEMPERATURE SETTING ON HEATER AND FAUCET, 2/3 GALLON STAINLESS STEEL TANK IN HEATER, ALL BRASS DECK MOUNTED FAUCET WITH POLISHED CHROME FINISH. ELECTRICAL: 120V, 1300 WATTS, 10.8 AMPS, 36" CORD WITH GROUNDED PLUG. MOUNT HOT WATER DISPENSER SPOUT IN SINK SPOUT HOLE TO THE LEFT OF SINK FAUCET. PROVIDE BALL VALVE UNDER COUNTER FOR COLD WATER SUPPLY TO HOT WATER DISPENSER SYSTEM.</p> <p>TRAP & DRAIN: CHROME PLATED CAST BRASS P-TRAP, WITH GRID STRAINER DRAIN.</p> <p>SINK FAUCET STOPS & SUPPLIES: MCGUIRE H216TLK, LOOSE KEY QUARTER TURN ANGLE STOPS WITH CHROME PLATED ESCUTCHEONS & CHROME PLATED COPPER RISER SUPPLIES.</p>

PLUMBING LEGEND

	EXISTING PIPING TO BE REMOVED/DEMOLISHED
	EXISTING PIPING (SERVICE DESIGNATED)
	SANITARY DRAIN, WASTE OR SEWER (SAN)
	STORM DRAIN CONDUCTOR OR SEWER
	VENT (V)
	COLD WATER
	HOT WATER
	HOT WATER RECIRCULATION
	TEE (BRANCH TO SIDE)
	TEE (BRANCH DOWN)
	RISER UP
	RISER DOWN
	CLEANOUT (CO)
	WALL CLEANOUT (WCO)
	FLOOR CLEANOUT (FCO)
	FLOW
	HOSE BIBB (HB) OR WALL HYDRANT (WH)
	POINT OF CONNECTION (POC)
	CAP
	BALANCING VALVE
	SHUT-OFF VALVE
	PIPE STRAINER
	FIXTURE STOP
	VALVE IN RISER
	WATER HAMMER ARRESTOR
	FLOOR DRAIN (FD)
	HUB DRAIN (HD)
	DEMOLITION KEYED NOTE
	NEW WORK KEYED NOTE
	REVISION KEYED NOTE
	TAG FOR CONTINUATION MATCH POINTS

ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE
CO	CLEANOUT
CS	COLD SOFT WATER/CUP SINK
CW	COLD WATER
DW	DISHWASHER
E	EXISTING
EC	ELECTRICAL CONTRACTOR
ESEW	EMERGENCY SHOWER/EYEWASH
F	FIRE PROTECTION WATER SERVICE
FCO	FLOOR CLEANOUT
FPC	FIRE PROTECTION CONTRACTOR
G	NATURAL GAS
GC	GENERAL CONTRACTOR
HB	HOSE BIBB
HC	HVAC CONTRACTOR
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
IE	INVERT ELEVATION
L	LAVATORY
MB	MOP BASIN
OD	OVERFLOW DRAIN
ORD	OVERFLOW ROOF DRAIN
PC	PLUMBING CONTRACTOR
PRV	PRESSURE REGULATING VALVE
RPBP	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
S	SINK
SAN	SANITARY
SH	SHOWER
ST	STORM
UR	URINAL
V	VENT
VTR	VENT THRU ROOF
W	DOMESTIC WATER SERVICE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WM	WASHING MACHINE WALL BOX
WHA	WATER HAMMER ARRESTOR
WHR	WATER HEATER



GENERAL NOTES:

1. PC SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE A/E PRIOR TO COMMENCING WORK.
2. PC SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF FLOORS, WALLS AND CEILINGS AS REQUIRED FOR NEW PLUMBING WORK.

KEYED NOTES:

1. CONNECT NEW 1-1/2" SAN TO EXISTING WASTE STACK IN COLUMN ENCLOSURE. COORDINATE ROUTING OF WASTE LINE AROUND EXISTING DUCTWORK.

1 PARTIAL GROUND FLOOR PLAN - PLUMBING

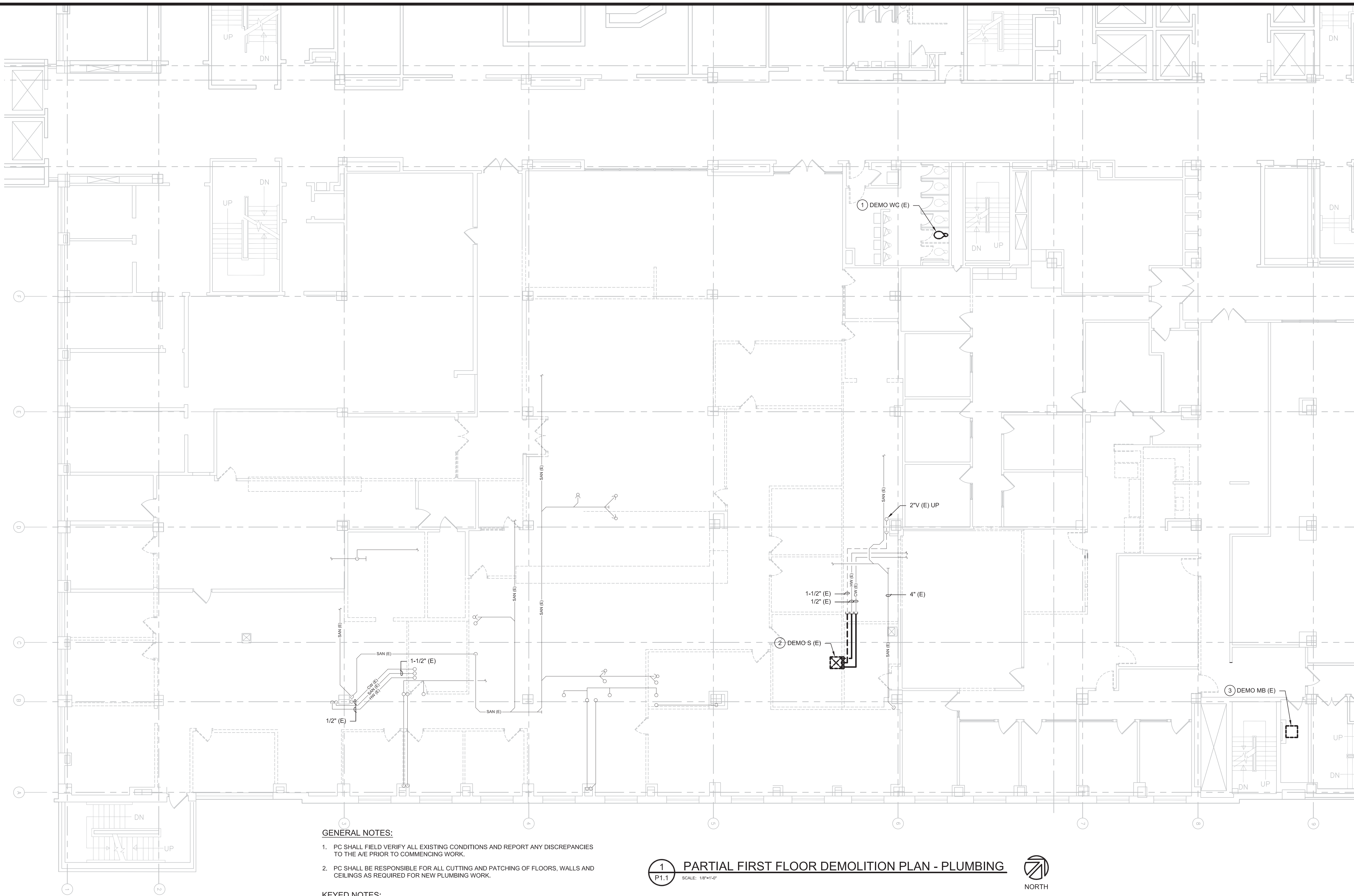
P1.0 SCALE: 1/8"=1'-0"



PLUMBING SHEET INDEX

P1.0	PARTIAL GROUND FLOOR PLAN - PLUMBING
P1.1	PARTIAL FIRST FLOOR DEMOLITION PLAN - PLUMBING
P1.2	PARTIAL FIRST FLOOR NEW WORK PLAN - PLUMBING

JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
ph:608.277.1728 fax:608.271.7046
JDR Project No. 130098



GENERAL NOTES:

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2. PC SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF FLOORS, WALLS AND CEILINGS AS REQUIRED FOR NEW PLUMBING WORK.

KEYED NOTES:

- 1 DEMOLISH EXISTING WATER CLOSET COMPLETE. DEMOLISH EXISTING WASTE CARRIER AND CAP EXISTING VENT AND WATER PIPING AND NEAREST ACTIVE MAIN. REFER TO P2.1 FOR NEW CONNECTION.
- 2 DEMOLISH EXISTING SINK COMPLETE. TEMPORARILY CAP WATER AND VENT PIPING IN CEILING SPACE FOR CONNECTION TO NEW SINK. TEMPORARILY CAP WASTE PIPING IN CEILING SPACE BELOW FOR CONNECTION TO NEW SINK. REFER TO P2.1 FOR NEW SINK LOCATION.
- 3 DEMOLISH EXISTING MOP BASIN, FAUCET, AND PIPING COMPLETE. CAP WATER AND VENT PIPING IN CEILING SPACE AT NEAREST ACTIVE MAIN. CAP WASTE PIPING IN CEILING SPACE BELOW AT NEAREST ACTIVE MAIN.

1 PARTIAL FIRST FLOOR DEMOLITION PLAN - PLUMBING
 P1.1 SCALE: 1/8"=1'-0"

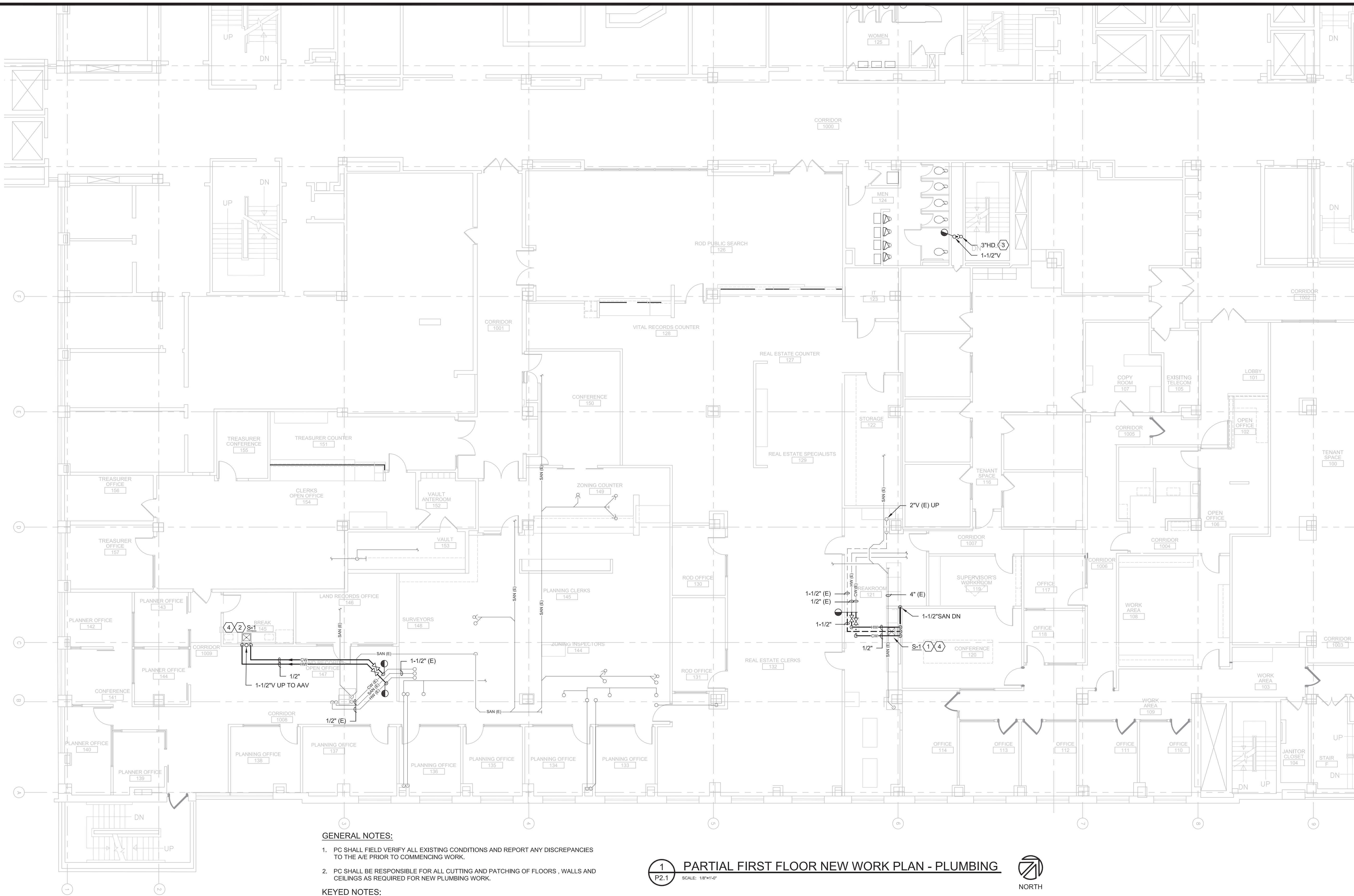


NORTH

PROJECT
 TENANT IMPROVEMENTS
 FIRST FLOOR
 CITY-COUNTY BUILDING
 210 MARTIN LUTHER KING,
 JR. BLVD., MADISON, WI

DRAWING
 PARTIAL FIRST FLOOR
 DEMOLITION PLAN -
 PLUMBING
DATE
 04.01.14

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 ENGINEERING, INC.
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 MADISON, WI 53711
 ph:608.277.1728 fax:608.271.7046
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GENERAL NOTES:

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2. PC SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF FLOORS, WALLS AND CEILINGS AS REQUIRED FOR NEW PLUMBING WORK.

KEYED NOTES:

1. CONNECT EXISTING WATER, VENT, AND WASTE TO NEW SINK. CONNECT 1-1/2" SAN FROM EXISTING DEMOLISHED SINK TO NEW SINK IN CEILING SPACE BELOW.
2. CONNECT EXISTING WATER AND WASTE TO NEW SINK. INSTALL 1-1/2" VERTICALLY IN WALL TO AIR ADMITTANCE VALVE (AAV) LOCATED ABOVE CASEWORK. PROVIDE STUDOR 1-1/2" AIR ADMITTANCE VALVE ABOVE CEILING. CONNECT 1-1/2" SAN TO EXISTING SAN LOCATED NEAR COLUMN B/3 IN CEILING SPACE BELOW.
3. PROVIDE 3" HUB DRAIN ABOVE FLOOR AND CONNECT INTO EXISTING TOILET WASTE PIPE. INSTALL VENT FOR HUB DRAIN AND TIE INTO EXISTING VENT IN CHASE.
4. PROVIDE 1/2" CW AND BALL VALVE UNDER SINK FOR CONNECTION TO WATER FILTER. CONNECT COLD WATER TO HOT WATER DISPENSER, AND WATER HEATER, AND DRINKING WATER SPOUT. PROVIDE BALL VALVE FOR HOT WATER DISPENSER SYSTEM AND BALL VALVE FOR DRINKING WATER SPOUT.

1 PARTIAL FIRST FLOOR NEW WORK PLAN - PLUMBING

P2.1 SCALE: 1/8"=1'-0"



NORTH

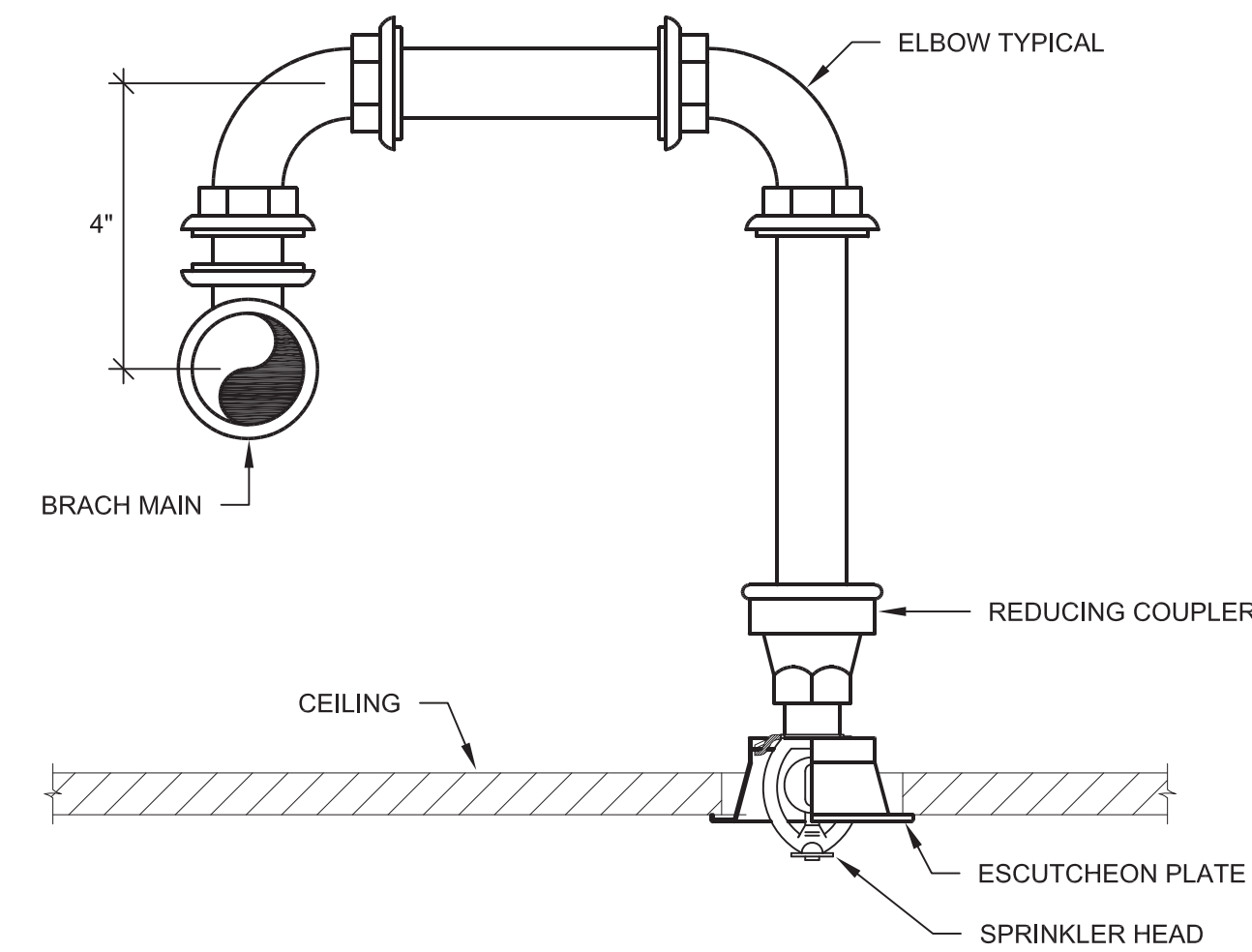
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DRAWING
PARTIAL FIRST FLOOR NEW
WORK PLAN - PLUMBING

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ph:608.277.1728 fax:608.271.7046
JDR Project No. 130098

P2.1



1 TYPICAL SPRINKLER HEAD INSTALLATION
F0.1 SCALE: NONE

FIRE PROTECTION GENERAL NOTES:

1. VERIFY UTILITY INFORMATION WITH LOCAL UTILITY COMPANIES, VISIT THE BUILDING SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS AFFECTING THE WORK.
2. VERIFY ALL MEASUREMENTS, PIPE SIZES, PIPE LOCATIONS, ELEVATIONS, ETC. AT SITE.
3. DRAWINGS OF ALL OTHER TRADES SHALL BE REVIEWED. COORDINATE THE INSTALLATION AND SCHEDULING OF THE WORK WITH OTHER TRADES TO PREVENT INTERFERENCE WITH THEIR RESPECTIVE INSTALLATION.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL STRUCTURAL DIMENSIONS AND LAYOUT.
5. IT IS THE INTENT OF THESE DRAWINGS THAT A COMPLETE WORKING SYSTEM, PROPERLY TESTED, WILL BE OPERATIONAL UPON COMPLETION OF INSTALLATION.
6. CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID OPENING. THE ENGINEER RESERVES THE RIGHT TO FINAL INTERPRETATION.
7. ALL SPRINKLER PIPING SHALL BE LOCATED WITHIN THE JOIST SPACE UNLESS INDICATED OTHERWISE.
8. SPRINKLER/FIRE SUPPRESSION SYSTEM(S) SHALL BE DEFINED FOR INDIVIDUAL AREAS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPES, EXPOSED STRUCTURE AND CEILING DEVICES. IN EXPOSED AREAS, COORDINATE PIPE ROUTING AND HEAD LAYOUT TO PROVIDE A CLEAN SYMMETRICAL INSTALLATION WITH DUCTWORK, LIGHTING, ETC.
9. INSTALL SPRINKLERS IN CENTER OF CEILING TILES WHERE APPLICABLE.

FIRE PROTECTION NARRATIVE

1. THE FIRE PROTECTION SYSTEM IS TO BE DESIGNED TO THE CONTRACT SCOPE DOCUMENTS, NFPA 13 LATEST EDITION, AND THE LOCAL AUTHORITY HAVING JURISDICTION REQUIREMENTS.
2. CONTRACTOR TO NOTE SPECIAL AESTHETIC CONDITION OF SPRINKLER INSTALLATION IN AREAS WITH NO CEILINGS.
3. SPRINKLER COVERAGE AND PIPING SHALL BE WET PIPE HYDRAULICALLY DESIGNED BY THE FIRE PROTECTION CONTRACTOR BASED ON NFPA 13 & 231.

FIRE PROTECTION SYSTEM CLASSIFICATION

LIGHT HAZARD OCCUPANCY:

THE PROTECTION AREA ALLOTTED PER SPRINKLER SHOULD NOT EXCEED 200 SQUARE FEET WITH THE MAXIMUM DISTANCE BETWEEN LINES AND SPRINKLERS ON LINES BEING 15 FEET. THE SPRINKLERS DO NOT NEED TO BE STAGGERED.

AREAS OF LIGHT HAZARD SHALL INCLUDE: ALL GENERAL OFFICE SPACE, TOILET ROOMS, AND CORRIDORS.

ORDINARY HAZARD OCCUPANCY:

THE PROTECTION AREA ALLOTTED PER SPRINKLER SHOULD NOT EXCEED 130 SQUARE FEET WITH THE MAXIMUM DISTANCE BETWEEN LINES AND SPRINKLERS ON LINES BEING 15 FEET. SPRINKLERS SHALL BE STAGGERED IF THE DISTANCE BETWEEN HEADS EXCEEDS 12 FEET.

AREAS OF ORDINARY HAZARD SHALL INCLUDE: MECHANICAL ROOMS, JANITOR CLOSETS, AND STORAGE ROOMS.

FIRE PROTECTION LEGEND

	EXISTING PIPING TO BE REMOVED/DEMOLISHED
	EXISTING PIPING (SERVICE DESIGNATED)
	FIRE PROTECTION WATER SERVICE
	SPRINKLER PIPING
	TEE (BRANCH TO SIDE)
	TEE (BRANCH DOWN)
	RISER UP
	RISER DOWN
	FLANGE
	FLOW
	CHECK VALVE
	POINT OF CONNECTION (POC)
	CAP
	SHUT-OFF VALVE
	PIPE STRAINER
	FLOW SWITCH
	TAMPER SWITCH
	OS&Y GATE VALVE
	FIRE DEPARTMENT CONNECTION (FDC)
	VALVE IN RISER
	PRESSURE GAUGE
	ANGLE VALVE - FIRE HOSE CONNECTION
	DEMOLITION KEYED NOTE
	NEW WORK KEYED NOTE
	REVISION KEYED NOTE
	TAG FOR CONTINUATION MATCH POINTS

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
DCV	DOUBLE DETECTOR CHECK VALVE
E	EXISTING
EC	ELECTRICAL CONTRACTOR
F	FIRE PROTECTION WATER SERVICE
FPC	FIRE PROTECTION CONTRACTOR
FPTC	FIRE PUMP TEST CONNECTION
GC	GENERAL CONTRACTOR
HC	HVAC CONTRACTOR
PC	PLUMBING CONTRACTOR
SPR	SPRINKLER PIPING

HAZARD CLASSIFICATIONS:

	LIGHT HAZARD (NFPA 13) - MAXIMUM AREA PER ZONE = 52,000 SF (SPRINKLER HEADS: CHROME SEMI-RECESSED IN LAY-IN ACT CEILINGS, AND WHITE CONCEALED IN GYP CEILINGS)
	ORDINARY HAZARD GROUP I (NFPA 13) - MAXIMUM AREA PER ZONE = 52,000 SF (SPRINKLER HEADS: UPRIGHTS IN EXPOSED STRUCTURE, CHROME SEMI-RECESSED IN CEILINGS)

FIRE PROTECTION SHEET INDEX

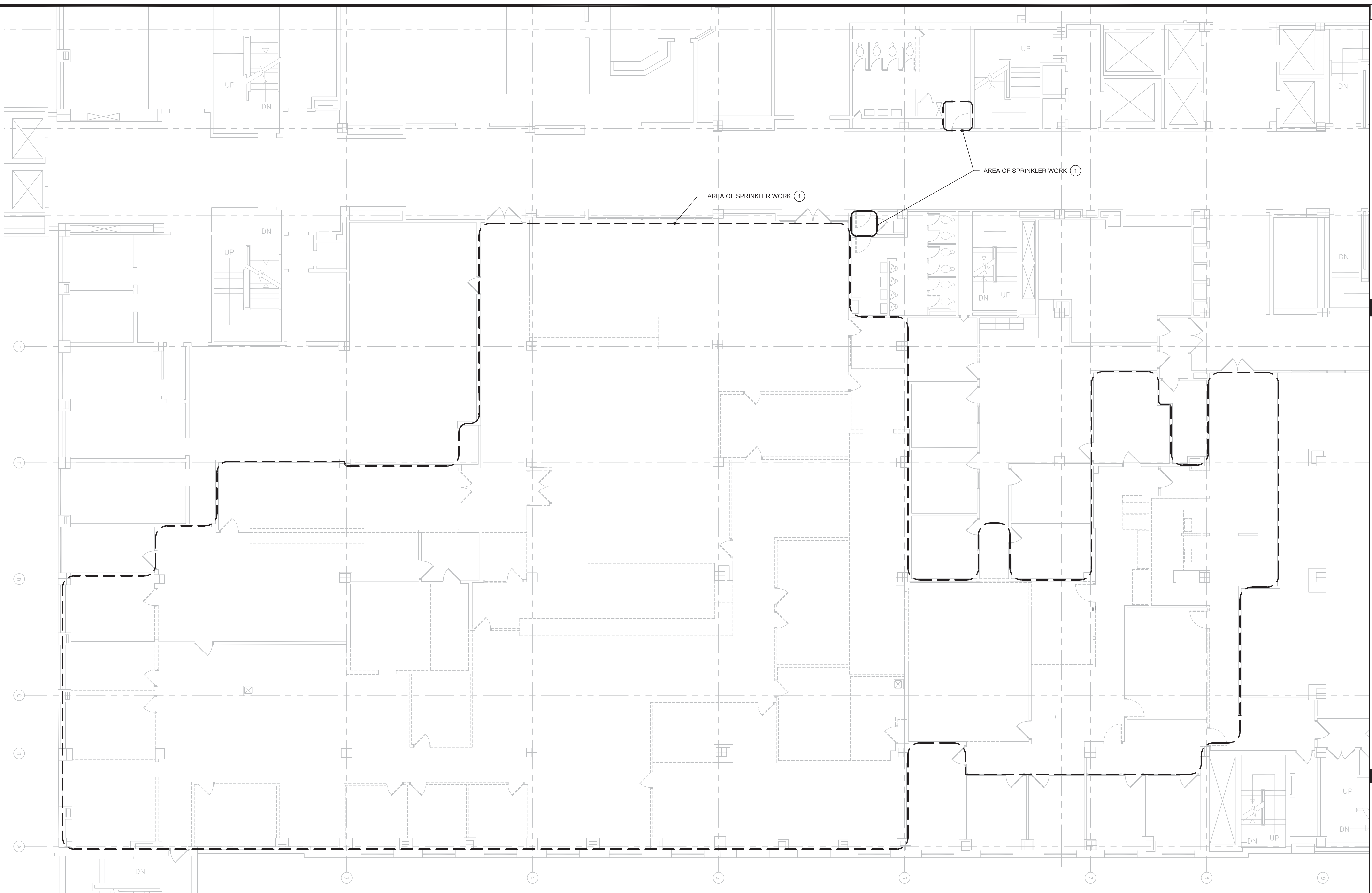
F0.1	SYMBOLS, ABBREVIATIONS, NOTES AND DETAILS - FIRE PROTECTION
F1.1	PARTIAL FIRST FLOOR DEMOLITION PLAN - FIRE PROTECTION
F2.1	PARTIAL FIRST FLOOR NEW WORK PLAN - FIRE PROTECTION

PROJECT
TENANT IMPROVEMENTS
FIRST FLOOR
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

DRAWING
SYMBOLS, ABBREVIATIONS,
NOTES, AND DETAILS -
FIRE PROTECTION
DATE
04.01.14

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JDR Project No. 130098

F0.1



GENERAL NOTES:
1. FPC SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE A/E PRIOR TO COMMENCING WORK.

KEYED NOTES:
① AREA OF EXISTING SPRINKLER REWORK. DEMOLISH ALL EXISTING SPRINKLER HEADS WHERE NEW CEILINGS ARE BEING INSTALLED. DEMOLISHED SPRINKLER HEADS SHALL NOT BE REUSED.

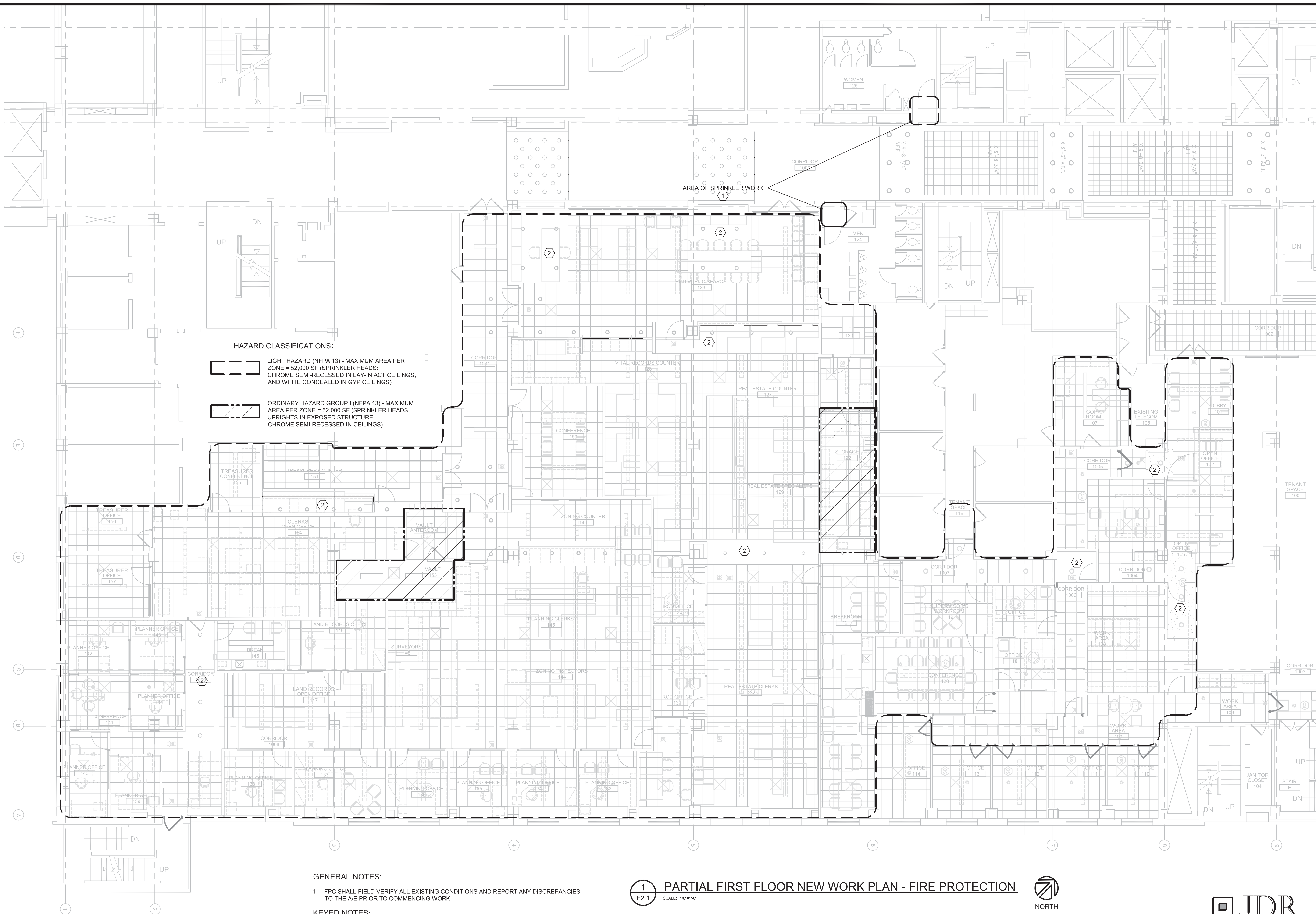
① PARTIAL FIRST FLOOR DEMOLITION PLAN - FIRE PROTECTION
SCALE: 1/8"=1'-0"



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PROJECT
TENANT IMPROVEMENTS
FIRST FLOOR
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

DRAWING
PARTIAL FIRST FLOOR
DEMOLITION PLAN - FIRE
PROTECTION
DATE
04.01.14



HAZARD CLASSIFICATIONS:

1 LIGHT HAZARD (NFPA 13) - MAXIMUM AREA PER ZONE = 52,000 SF (SPRINKLER HEADS: CHROME SEM-RECESSED IN LAY-IN ACT CEILINGS, AND WHITE CONCEALED IN GYP CEILINGS)

2 ORDINARY HAZARD GROUP I (NFPA 13) - MAXIMUM AREA PER ZONE = 52,000 SF (SPRINKLER HEADS: UPRIGHTS IN EXPOSED STRUCTURE, CHROME SEM-RECESSED IN CEILINGS)

GENERAL NOTES:

1. FPC SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE A/E PRIOR TO COMMENCING WORK.

KEYED NOTES:

- ① AREA OF EXISTING SPRINKLER REWORK. DEMOLISH ALL EXISTING SPRINKLER HEADS WHERE NEW CEILINGS ARE BEING INSTALLED. DEMOLISHED SPRINKLER HEADS SHALL NOT BE REUSED.
- ② PROVIDE WHITE CONCEALED SPRINKLER HEADS IN AREA WITH GYP CEILING WHERE REQUIRED. IF POSSIBLE, DO NOT INSTALL SPRINKLER HEADS IN GYP CEILING AREAS AND PROVIDE COVERAGE FROM ADJACENT CEILING AREAS. COORDINATE LAYOUT WITH ARCHITECT PRIOR TO INSTALLATION.

1 PARTIAL FIRST FLOOR NEW WORK PLAN - FIRE PROTECTION
F2.1 SCALE: 1/8"=1'-0"



NORTH

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PROJECT
TENANT IMPROVEMENTS
FIRST FLOOR
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

DRAWING
PARTIAL FIRST FLOOR NEW
WORK PLAN - FIRE
PROTECTION
DATE
04.01.14

F2.1

ABBREVIATIONS

Table of abbreviations for HVAC systems, including terms like ACCU (AIR COOLED CONDENSING UNIT), AF (AIR FOIL), and various electrical and mechanical symbols.

PIPING SYSTEMS

Table of piping system symbols and abbreviations, including BALL VALVE, GLOBE VALVE, and various flow control devices.

GENERAL SYMBOLS

Table of general symbols for HVAC components, including THERMOSTAT OR TEMPERATURE SENSOR, HUMIDISTAT OR HUMIDITY SENSOR, and various ductwork symbols.

DOUBLE LINE PIPING SYMBOLS

Table of double line piping symbols for various valves and components like BUTTERFLY VALVE, CHECK VALVE, and FLOW METER.

DUCTWORK SYSTEMS

Table of ductwork system symbols and abbreviations, including AXIAL FLOW FAN, SMOKE DAMPER, and various ductwork configurations.

HVAC SHEET INDEX

Table listing HVAC sheet titles and their corresponding symbols, such as M0.0 SYMBOLS AND ABBREVIATIONS - HVAC.

JDR ENGINEERING, INC. logo and contact information: 5525 NOBEL DRIVE, SUITE 110, MADISON, WI 53711.

PROJECT TENANT IMPROVEMENTS FIRST FLOOR CITY-COUNTY BUILDING 210 MARTIN LUTHER KING, JR. BLVD., MADISON, WI

DRAWING SYMBOLS AND ABBREVIATIONS - HVAC

DATE 04.01.14

M0.0

Architecture Planning

DorschnerAssociates, Inc. 849 E. Washington Ave., Ste 112 Madison, Wisconsin 53703

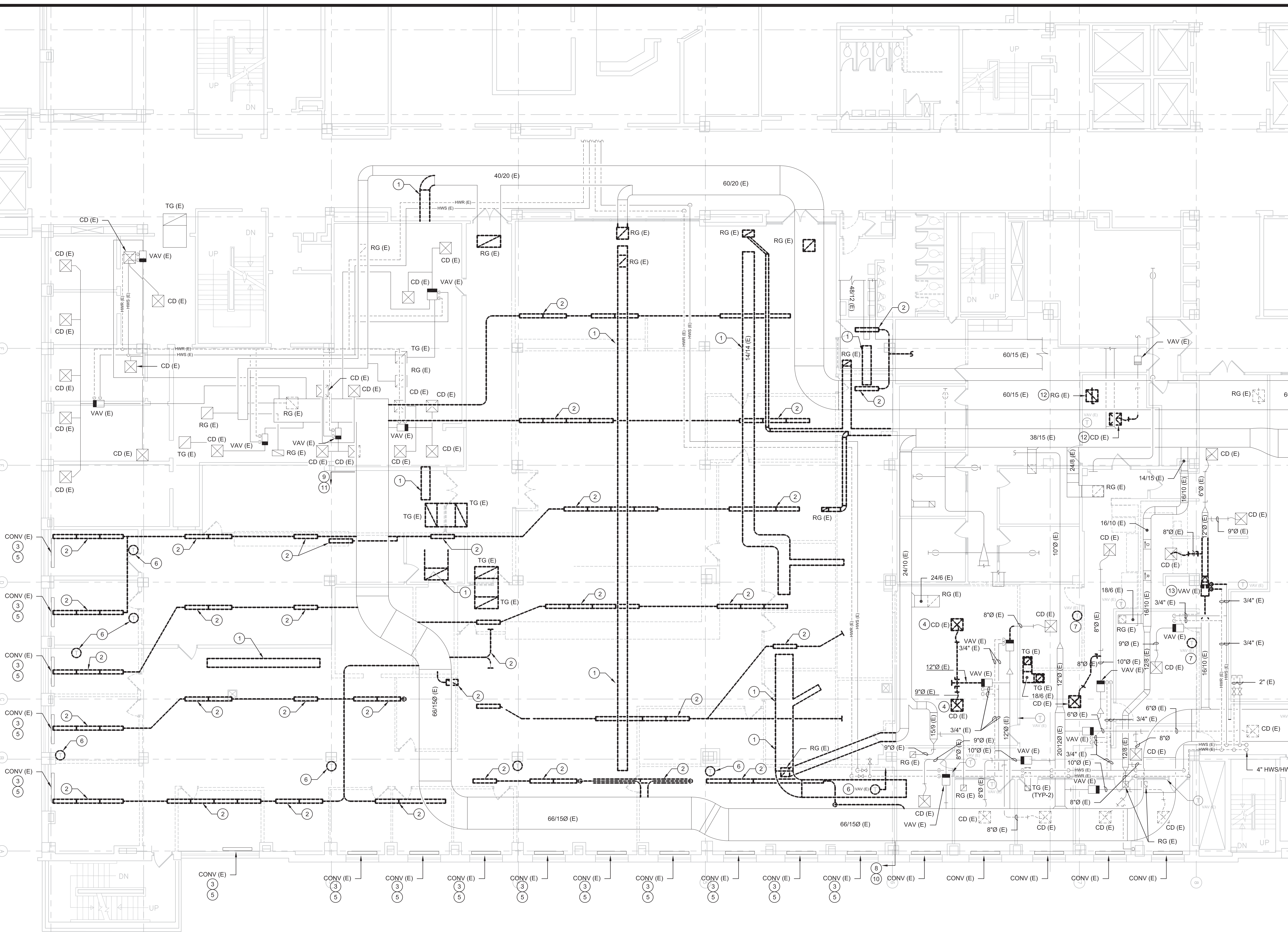
ISSUED

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE A/E IMMEDIATELY.
2. THE BUILDING IS TO REMAIN OCCUPIED DURING CONSTRUCTION AND THE AIR HANDLER SERVING THIS AREA WILL CONTINUE TO OPERATE. SUPPLY AND RETURN AIR DUCTWORK SHALL BE PROTECTED FROM THE ENTRANCE OF CONSTRUCTION DUST, DIRT AND DEBRIS. INSTALL TEMPORARY MERV 7 FILTERS ON RETURN AIR OPENINGS DURING CONSTRUCTION. CHANGE FILTER FREQUENTLY. SEE ARCHITECTURAL PLANS FOR ANY PHASING SCHEDULES AND/OR AREAS.
3. COORDINATE ALL INTERRUPTIONS WITH OWNERS REPRESENTATIVE PRIOR TO STARTING WORK.
4. ALL DUCTWORK, PIPING, EQUIPMENT, ETC. NOTED FOR DEMOLITION SHALL BE REMOVED COMPLETE.
5. ALL EXISTING ABANDONED DUCTWORK, PIPING, EQUIPMENT, ETC IN THE CEILING SHALL BE REMOVED COMPLETE.
6. PIPING NOTED FOR DEMOLITION SHALL BE REMOVED BACK TO THE POINT REQUIRED TO REMAIN ACTIVE AND CAPPED.
7. ANY DUCTWORK CONNECTIONS NOT TO BE REUSED SHALL BE SHEETMETAL PATCHED AND SEALED.
8. ALL EXISTING TO REMOVE GRILLES, REGISTERS, DIFFUSERS, CONNECTORS, ETC. SHALL BE PROTECTED DURING CONSTRUCTION.
9. SEE REFLECTED CEILING PLANS FOR AREAS WHERE EXISTING CEILINGS WILL BE REMOVED BY THE GC AND NEW CEILING WILL BE INSTALLED (BY GC). THE HC IS RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF ALL OTHER CEILING REQUIRED TO PERFORM HVAC WORK.
10. ALL REMOVED WORKING VAV DIFFUSER SHALL BE OFFERED TO THE OWNER FOR PARTS OR REUSE. ANY ALL VAV DIFFUSERS THAT THE OWNER DOES NOT WANT SHALL BE REMOVED AND DISPOSED BY THE HC.

KEYED NOTES:

- 1 REMOVE ABANDONED DUCT COMPLETE.
- 2 REMOVE VAV DIFFUSER AND BRANCH DUCT COMPLETE BACK TO DUCT MAIN, CAP BRANCH DUCT AT MAIN, IF NOT USED FOR NEW WORK.
- 3 REMOVE ALL EXISTING PNEUMATIC TEMPERATURE CONTROL VALVE AND ANY CABINET MOUNTED ISOLATION VALVES IN EXISTING CONVECTOR. PNEUMATIC TUBING LOCATED DIRECTLY IN CONCRETE FLOORS CAN BE ABANDONED IN PLACE, PROVIDED THAT THE TUBING IS REMOVE TO BELOW FLOOR LEVEL (SO THAT NEW FLOORING IS NOT AFFECTED) AND SEALED OR FILLED AIR TIGHT. SEE NEW WORK PLAN FOR NEW VALVES.
- 4 REMOVE ANY EXISTING CEILING MOUNTED FIRE DAMPERS.
- 5 REMOVE CABINET AND TURN OVER TO GC FOR PAINTING.
- 6 REMOVE EXISTING PNEUMATIC THERMOSTAT. REMOVE ALL PNEUMATIC TUBING TO POINT REQUIRED TO BE ACTIVE AND CAP.
- 7 RELOCATE EXISTING VAV THERMOSTAT. SEE NEW WORK PLANS.
- 8 REMOVE ALL EXTERNAL DUCT INSULATION ON EXISTING SUPPLY MAIN FROM THIS POINT DOWNSTREAM.
- 9 REMOVE ALL EXTERNAL DUCT INSULATION ON EXISTING SUPPLY MAIN FROM THIS POINT UPSTREAM.
- 10 CLEAN EXISTING SUPPLY AIR DUCT MAIN FROM THIS POINT DOWNSTREAM. PROVIDE AND INSTALL ALL REQUIRED DUCT ACCESS DOORS.
- 11 CLEAN EXISTING SUPPLY AIR DUCT MAIN FROM THIS POINT UPSTREAM. INSTALL ALL REQUIRED ACCESS DOORS.
- 12 REMOVE AND CLEAN EXISTING SUPPLY AND RETURN GRILLES. SEE M2.1 FOR REINSTALLATION IN NEW GRID. PATCH EXISTING OPENING IN RETURN DUCT AND MAKE PROVISIONS FOR NEW OPENING FOR NEW RETURN GRILLE LOCATION.
- 13 RELOCATE EXISTING VAV TERMINAL AND ALL ASSOCIATED VALVES TO ACCOMMODATE NEW GWB CEILING. SEE NEW PLAN FOR RELOCATION.



1 PARTIAL FIRST FLOOR DEMOLITION PLAN - HVAC
M1.1 SCALE: 1/8"=1'-0"



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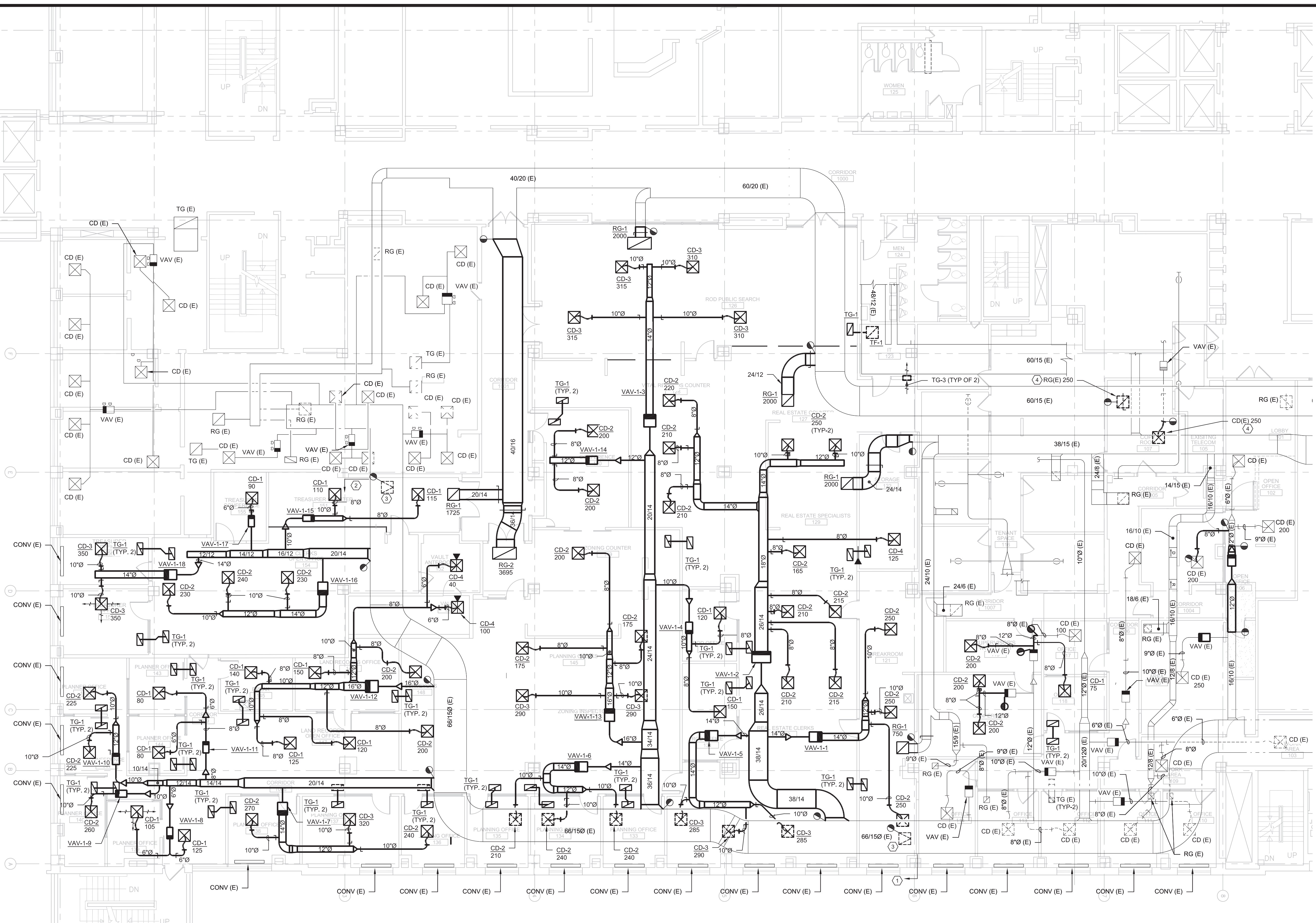
GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE A/E IMMEDIATELY.
2. THE BUILDING IS TO REMAIN OCCUPIED DURING CONSTRUCTION AND THE AIR HANDLER SERVING THIS AREA WILL CONTINUE TO OPERATE. SUPPLY AND RETURN AIR DUCTWORK SHALL BE PROTECTED FROM THE ENTRANCE OF CONSTRUCTION DUST, DIRT AND DEBRIS. INSTALL TEMPORARY MERV 7 FILTERS ON RETURN AIR OPENINGS DURING CONSTRUCTION. CHANGE FILTER FREQUENTLY. SEE ARCHITECTURAL PLANS FOR PHASING SCHEDULES AND AREAS.
3. COORDINATE ALL INTERRUPTIONS WITH OWNERS REPRESENTATIVE PRIOR TO STARTING WORK.
4. ALL EXISTING ABANDONED DUCTWORK, PIPING, EQUIPMENT, ETC IN THE CEILING SHALL BE REMOVED COMPLETE.
5. ANY DUCTWORK CONNECTIONS NOT TO BE REUSED SHALL BE SHEETMETAL PATCHED AND SEALED.
6. ALL EXISTING TO REMAIN GRILLES, REGISTERS, DIFFUSERS, CONVECTORS, ETC. SHALL BE PROTECTED DURING CONSTRUCTION.
7. SEE REFLECTED CEILING PLANS FOR AREAS WHERE EXISTING CEILINGS WILL BE REMOVED BY THE GC AND NEW CEILING WILL BE INSTALLED (BY GC). THE HC IS RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF ALL OTHER CEILING REQUIRED TO PERFORM HVAC WORK.

KEYED NOTES

- ① PROVIDE NEW EXTERNAL DUCT INSULATION ON EXISTING DUCT MAIN DOWNSTREAM OF THIS POINT.
- ② PROVIDE NEW EXTERNAL DUCT INSULATION ON EXISTING DUCT MAIN UPSTREAM OF THIS POINT.
- ③ NEW ACCESS DOOR(S) FOR DUCT CLEANING.
- ④ RELOCATED SUPPLY AND RETURN GRILLES. PROVIDE RUNOUT DUCTING TO EACH UNIT.

ISSUED



PROJECT
TENANT IMPROVEMENTS
FIRST FLOOR
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING, JR. BLVD., MADISON, WI

DRAWING
PARTIAL FIRST FLOOR PLAN
- HVAC DUCTWORK

DATE
04.01.14

1 PARTIAL FIRST FLOOR PLAN - HVAC DUCTWORK
M2.1 SCALE: 1/8"=1'-0"



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JDR Project No. 130098

M2.1

GENERAL NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE A/E IMMEDIATELY.
- THE BUILDING IS TO REMAIN OCCUPIED DURING CONSTRUCTION AND THE AIR HANDLER SERVING THIS AREA WILL CONTINUE TO OPERATE. SUPPLY AND RETURN AIR DUCTWORK SHALL BE PROTECTED FROM THE ENTRANCE OF CONSTRUCTION DUST, DIRT AND DEBRIS. INSTALL TEMPORARY MERV 7 FILTERS ON RETURN AIR OPENINGS DURING CONSTRUCTION. CHANGE FILTER FREQUENTLY. SEE ARCHITECTURAL PLANS FOR PHASING SCHEDULES AND AREAS.
- COORDINATE ALL INTERRUPTIONS WITH OWNERS REPRESENTATIVE PRIOR TO STARTING WORK.
- ALL EXISTING ABANDONED DUCTWORK, PIPING, EQUIPMENT, ETC IN THE CEILING SHALL BE REMOVED COMPLETE.
- ANY DUCTWORK CONNECTIONS NOT TO BE REUSED SHALL BE SHEETMETAL PATCHED AND SEALED.
- ALL EXISTING TO REMAIN GRILLES, REGISTERS, DIFFUSERS, CONVECTORS, ETC. SHALL BE PROTECTED DURING CONSTRUCTION.
- SEE REFLECTED CEILING PLANS FOR AREAS WHERE EXISTING CEILINGS WILL BE REMOVED BY THE GC AND NEW CEILING WILL BE INSTALLED (BY GC). THE HC IS RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF ALL OTHER CEILING REQUIRED TO PERFORM HVAC WORK.
- ALL HOT WATER SUPPLY AND RETURN BRANCH PIPING TO VAV TERMINALS SHALL BE 3/4" UNLESS NOTED OTHERWISE.
- CONTROL WIRING FOR NEW CONVECTOR CONTROL VALVES MAY BE ROUTED IN SURFACE MOUNTED WIREMOLD ON EXTERIOR WALL ONLY. IF EXTERIOR WALL IS NOT BEING REPLACED, IF EXTERIOR WALL IS BEING REPLACED, CONTROL WIRING MUST BE CONCEALED.

KEYED NOTES:

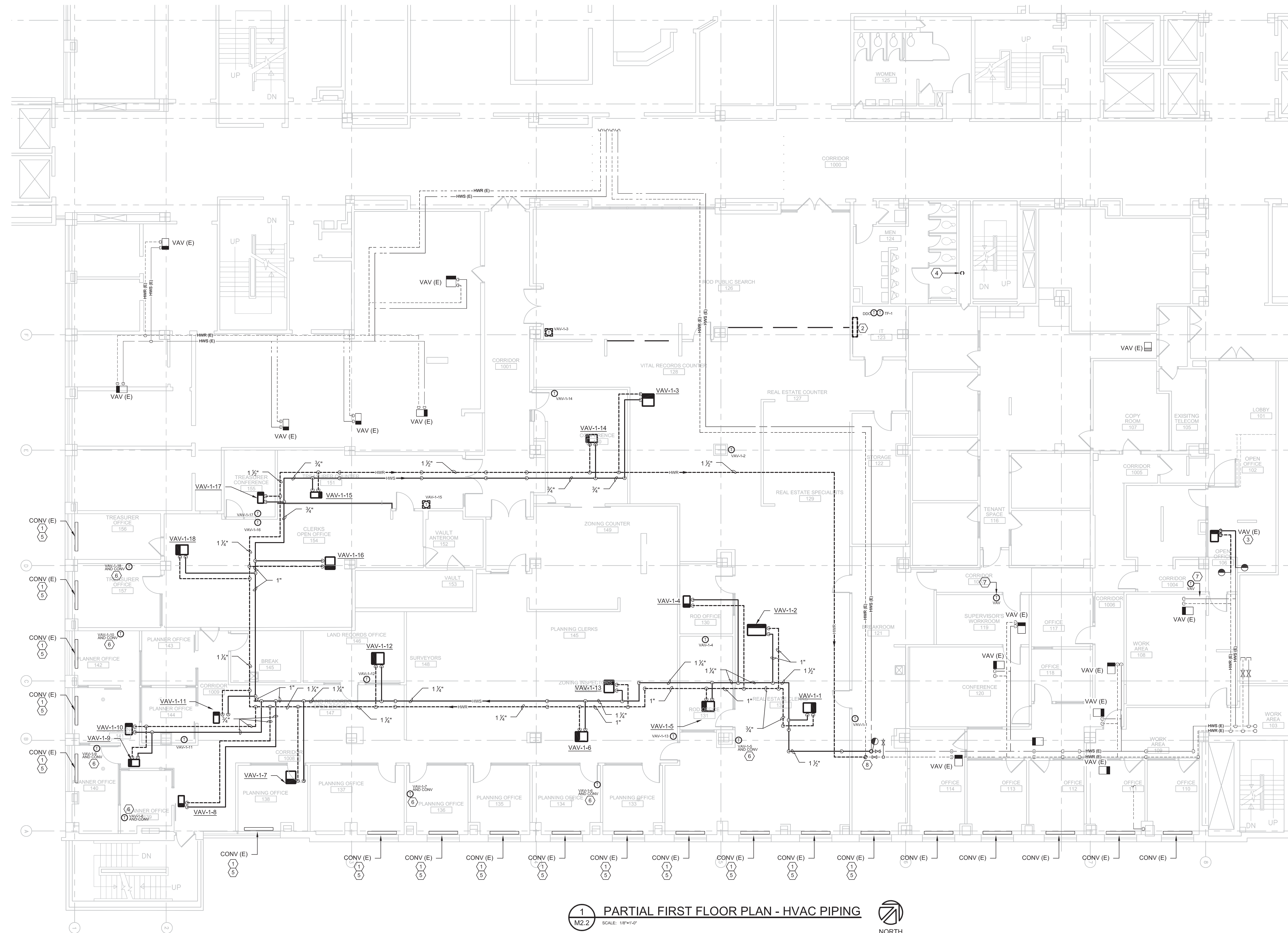
- PROVIDE NEW 2-WAY TEMPERATURE CONTROL VALVE AND SHUT OFF VALVES (SUPPLY AND RETURN) FOR EXISTING CONVECTOR. SEE DETAIL. INSTALL VALVE IN THE VERTICAL POSITION.
- LOCATION FOR FUTURE DUCTLESS SPLIT COOLING UNIT.
- RELOCATED VAV TERMINAL. RELOCATE AND REINSTALL ALL VALVES
- HUB DRAIN IN PIPE CHASE FOR FUTURE CONDENSATE DRAIN.
- REINSTALL CONVECTOR COVER (COVER PAINTED BY GC).
- THERMOSTAT SHALL CONTROL AIR TERMINAL AND ALL CONVECTORS IN SAME ZONE SERVED BY AIR TERMINAL.
- RELOCATED VAV THERMOSTAT.
- CONNECT NEW 1 1/2" HWS/HWR TO EXISTING HWS/HWR PIPE TAPS ON EXISTING MAIN. CONTRACTOR IS RESPONSIBLE FOR SYSTEM SHUT-OFF, DRAIN DOWN, ETC. COORDINATE ALL WORK WITH OWNER.

PROJECT
TENANT IMPROVEMENTS
FIRST FLOOR
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

DRAWING
PARTIAL FIRST FLOOR PLAN
- HVAC PIPING

DATE
04.01.14

M2.2



1 PARTIAL FIRST FLOOR PLAN - HVAC PIPING
M2.2 SCALE: 1/8"=1'-0"



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VAV TERMINAL UNIT WITH REHEAT SCHEDULE

UNIT NO.	VAV-1-1	VAV-1-2	VAV-1-3	VAV-1-4	VAV-1-5	VAV-1-6	VAV-1-7	VAV-1-8	VAV-1-9	VAV-1-10	VAV-1-11	VAV-1-12	VAV-1-13	VAV-1-14	VAV-1-15	VAV-1-16	VAV-1-17	VAV-1-18		
LOCATION	132	132	128	130	131	144	138	1009	1009	141	1009	146	144	150	151	154	155	154		
MANUFACTURER	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE		
MODEL NO.	SDV	SDVLP	SDVLP	SDV	SDV	SDV	SDV	SDV	SDV	SDV	SDV	SDVLP	SDVLP	SDV	SDV	SDV	SDV	SDV		
INLET SIZE	10	16	12	6	10	10	10	4	5	8	4	12	12	8	5	10	4	10		
OUTLET SIZE	14x12 1/2	38x10	24x10	12x8	14x12 1/2	14x12 1/2	14x12 1/2	12x8	12x8	12x10	12x8	24x10	24x10	12x10	12x8	14x12 1/2	12x8	14x12 1/2		
MAX AIR PD (WC)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
AIREFLOW (CFM)	MAXIMUM	750	2280	1250	270	860	690	830	230	260	450	160	1075	1130	400	225	700	90	700	
	MINIMUM	225	685	375	80	260	210	250	70	80	135	50	320	340	120	70	210	30	210	
	HEATING CFM	225	685	400	80	260	210	250	70	80	135	55	320	340	120	70	210	30	210	
HOT WATER REHEAT COIL DATA	EWT (°F)	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	
	LWT (°F)	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
	EAT (°F)	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
	LAT (°F)	100.0	104.2	104.9	99.7	100.0	100.0	100.0	96.2	100.0	100.0	103.3	103.3	104.0	92.4	105.5	103.6	95.5	100.0	
	CAPACITY (MBH)	10.5	35.6	15.0	2.7	12.1	10.3	11.7	3.0	3.7	6.3	2.0	11.0	12.5	2.9	2.7	7.6	0.8	9.8	
	GPM	0.7	2.6	1.4	0.5	0.8	0.7	0.8	0.5	0.5	0.5	0.5	1.0	1.2	0.5	0.5	0.7	0.5	0.7	
	MAX WATER PD (FT)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
CONTROL VALVE	3-WAY	2-WAY	3-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	
REMARKS		①	①									①	①							

GENERAL NOTES:

1. NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED 35 NC AT 1.5" STATIC PRESSURE WHEN TESTED PER ARI STANDARD 885-98.
2. OCC OA VENT CFM FOR ADJUSTING AHU OA VENT RATE BASED ON OCCUPANCY OF SPACE.

KEYED NOTES:

- ① LOW PROVIDE AIR TERMINAL.

Architecture
Planning

DorschnerAssociates, Inc.
849 E. Washington Ave., Ste 112
Madison, Wisconsin 53703

ISSUED

FAN SCHEDULE		
UNIT NO.	TF-1	
MANUFACTURER	GREENHECK	
MODEL	SP-A390	
LOCATION	123	
SERVICE	IT ROOM	
FAN TYPE	CEILING	
ARRANGEMENT	CEILING	
DESIGN CFM	350	
EXT. SP (IN WC)	0.25	
FAN WHEEL TYPE	BI	
FAN DIAMETER	-	
APPROXIMATE FAN RPM	1320	
BHP	-	
MOTOR HP	135 WATT	
VOLTS/PHASE	120/1	
DRIVE	DIRECT	
TWO SPEED	NO	
VFD	YES	
MAX. SONES	123	
MAX FAN INLET AIR SOUND DATA OCCUPANCY (dB)	1	-
	2	-
	3	-
	4	-
	5	-
	6	-
	7	-
	8	-
REMARKS	①	

KEYED NOTES:

- ① PROVIDE UNIT WITH VARIABLE SPEED CONTROLLER. THIS CONTRACTOR TO MOUNT SPEED CONTROLLER TO SIDE OF FAN HOUSING FOR FAN SPEED CONTROL. FAN TO BE CONTROLLED VIA REVERSE ACTING THERMOSTAT.

AIR DEVICE SCHEDULE									
EG - 1 (3)	THROW (IF OTHER THAN NORMAL)				SG = SUPPLY GRILLE		LD = LINEAR DIFFUSER (SUPPLY)		
300	UNIT NUMBER				RG = RETURN GRILLE		CD = CEILING DIFFUSER (SUPPLY)		
	CFM				EG = EXHAUST GRILLE		TG = TRANSFER GRILLE		
UNIT NO.	CD-1	CD-2	CD-3	CD-4	RG-1	RG-2	TG-1	TG-2	TG-3
SERVICE	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS
MANUFACTURER	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE
MODEL NO.	SPD	SPD	SPD	SPD-FR	80	80	80	80	635
FACE STYLE	PLAQUE	PLAQUE	PLAQUE	PLAQUE	EGG CRATE	EGG CRATE	EGG CRATE	EGG CRATE	LOUVERED
PATTERN	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS
FINISH	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
MATERIAL	STEEL	STEEL	STEEL	STEEL	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM
SIZE (FACE/NECK)	24x24x6"Ø	24x24x8"Ø	24x24x10"Ø	24x24x6"Ø	24x24	24x48	24x12	24x24	18x14 / 16x12
CFM RANGE	0-150	150-275	276-375	0-200	0-2000	2001-4000	0-800	801-2000	350
MOUNTING	LAY-IN	LAY-IN	LAY-IN	LAY-IN	LAY-IN	LAY-IN	LAY-IN	LAY-IN	SURFACE
DAMPER	NO	NO	NO	NO	NO	NO	NO	NO	NO
REMARKS									

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY MOUNTING SURFACE / FRAME REQUIREMENTS.
2. BRANCH DUCT SIZE TO DIFFUSER SHALL BE THE NECK SIZE OF THE DIFFUSER UNLESS NOTED OTHERWISE.
3. SEE SPECIFICATION FOR GRILLE, REGISTER, AND DIFFUSER FINISHES.
4. MAXIMUM STATIC PRESSURE DROP THROUGH GRILLE, REGISTER, OR DIFFUSER SHALL NOT EXCEED 0.1".
5. MAXIMUM NO LEVELS FOR GRILLES, REGISTERS, OR DIFFUSERS SHALL NOT EXCEED 25.
6. UNLESS THROW IS NOTED OTHERWISE, ALL DIFFUSERS SHALL BE 4-WAY THROW.
7. PROVIDE TRANSITIONS AT DIFFUSER NECKS AS REQUIRED.

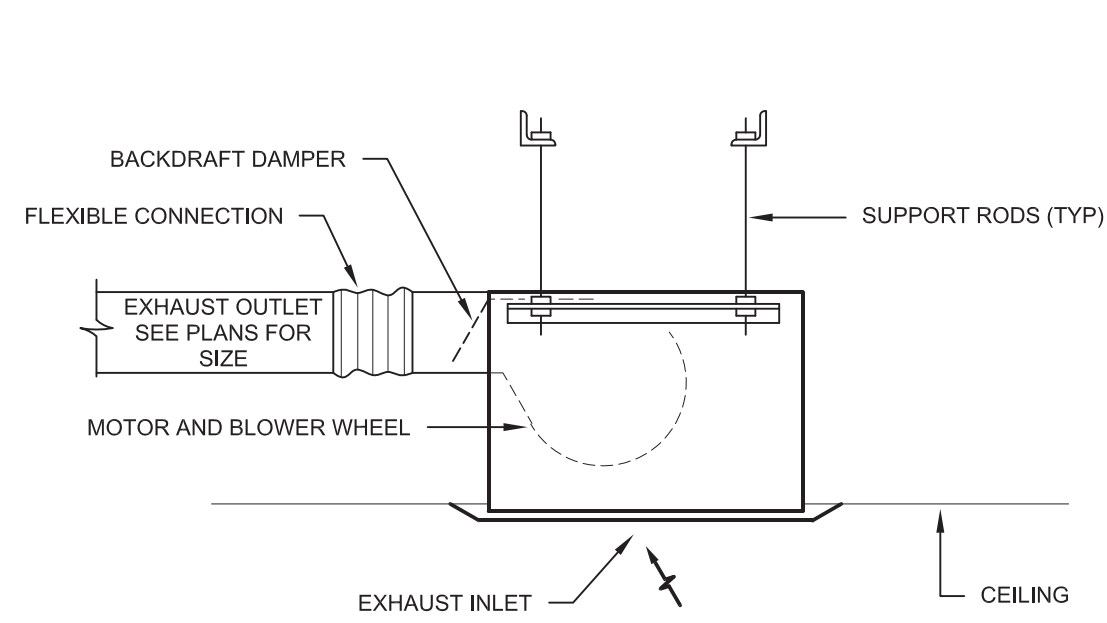
PROJECT
TENANT IMPROVEMENTS
FIRST FLOOR
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING, JR. BLVD., MADISON, WI

DRAWING
SCHEDULES - HVAC

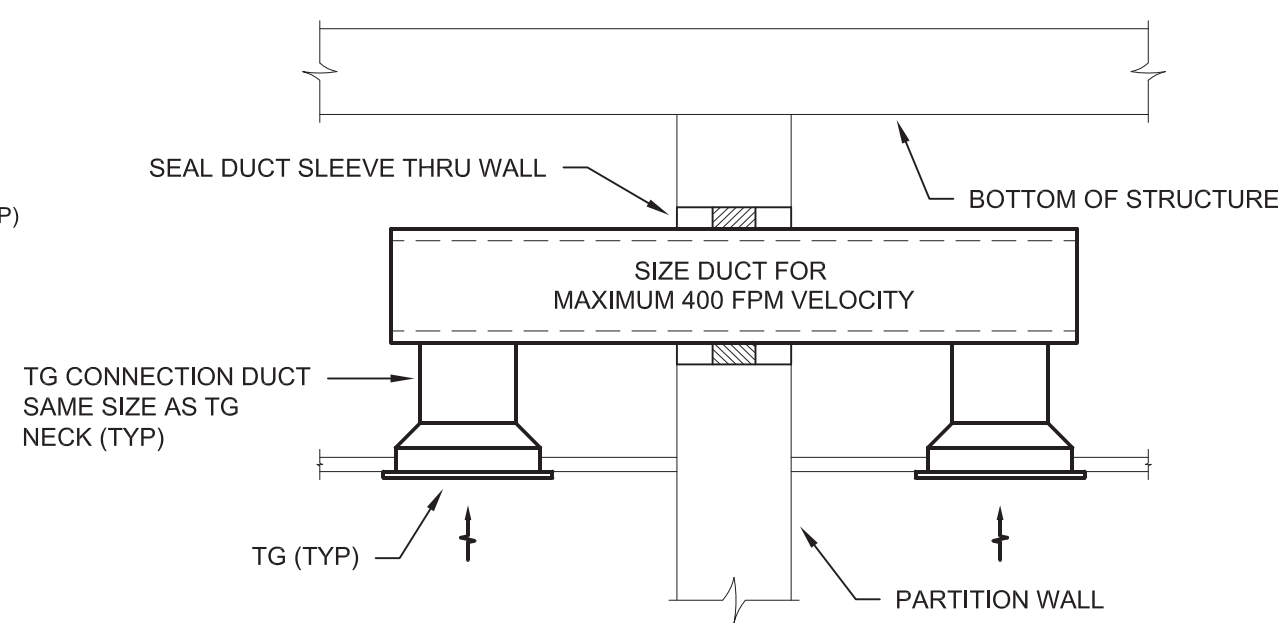
JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
ph:608.277.1728 fax:608.271.7046
JDR Project No. 130098

DATE
04.01.14

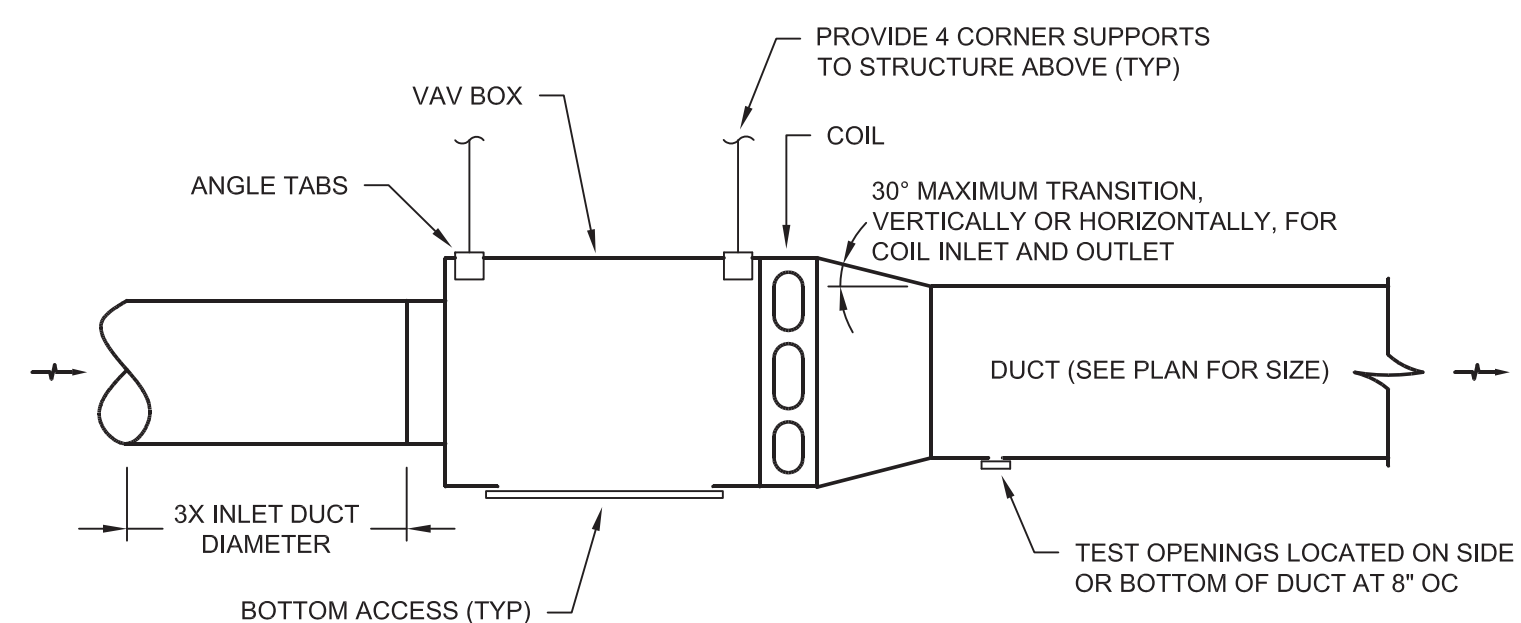
M8.1



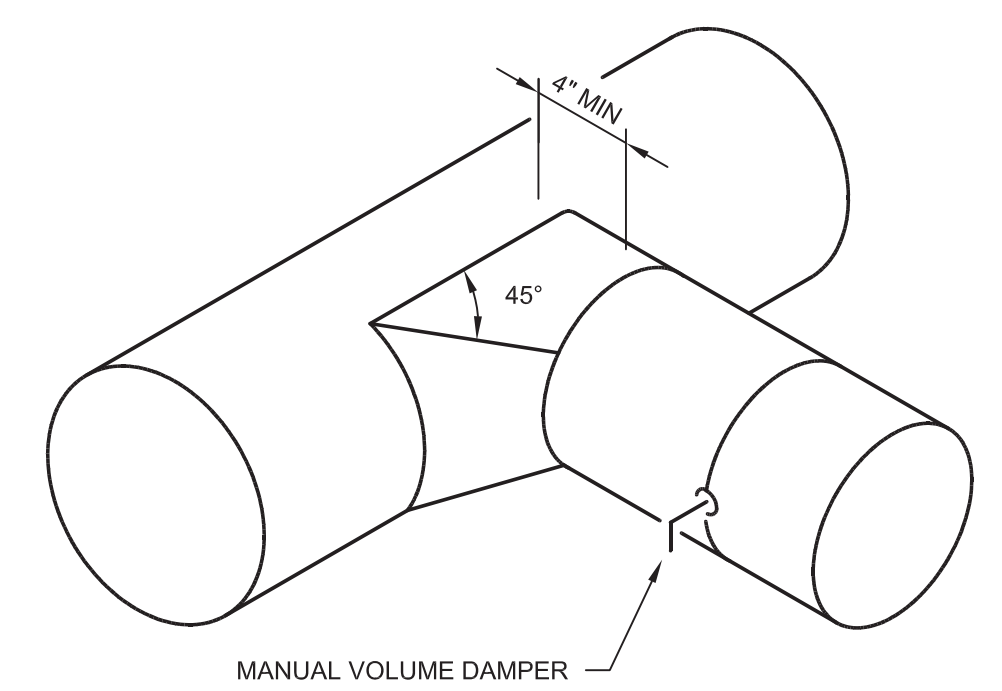
NOTE: VERTICAL DISCHARGE WHERE INDICATED ON DRAWINGS.
10 CEILING MOUNTED EXHAUST FAN
M9.1 SCALE: NONE



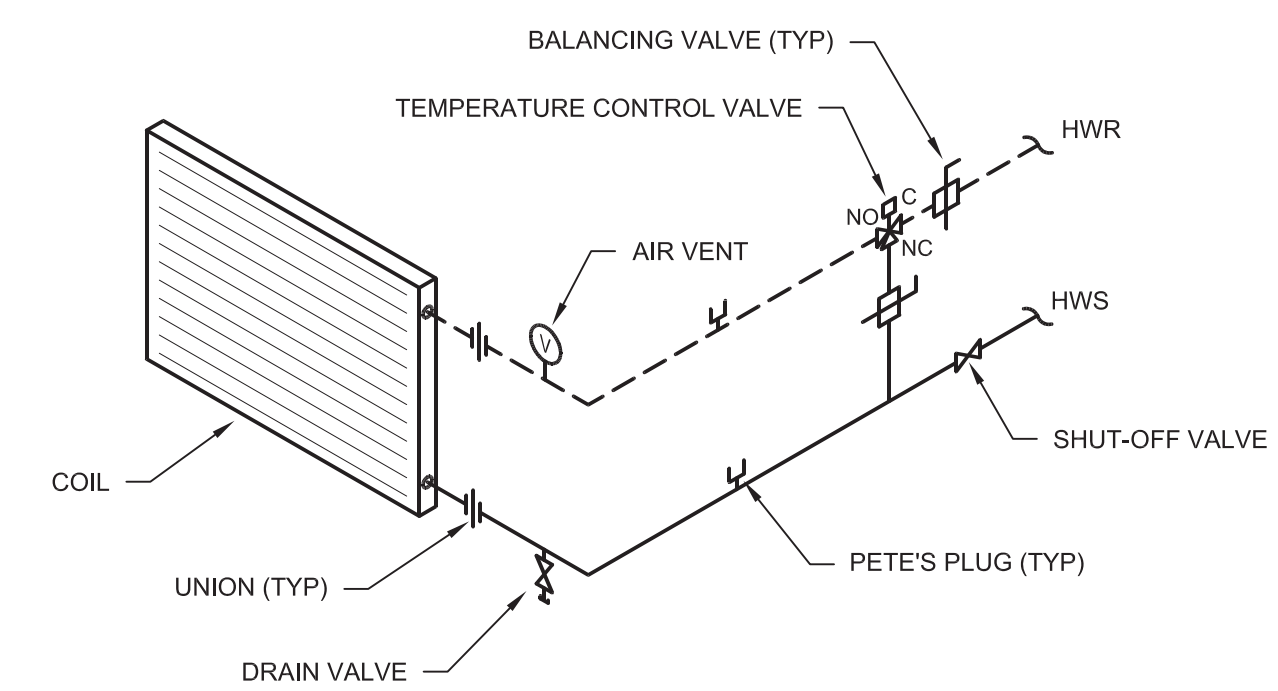
7 TRANSFER DUCT DETAIL
M9.1 SCALE: NONE



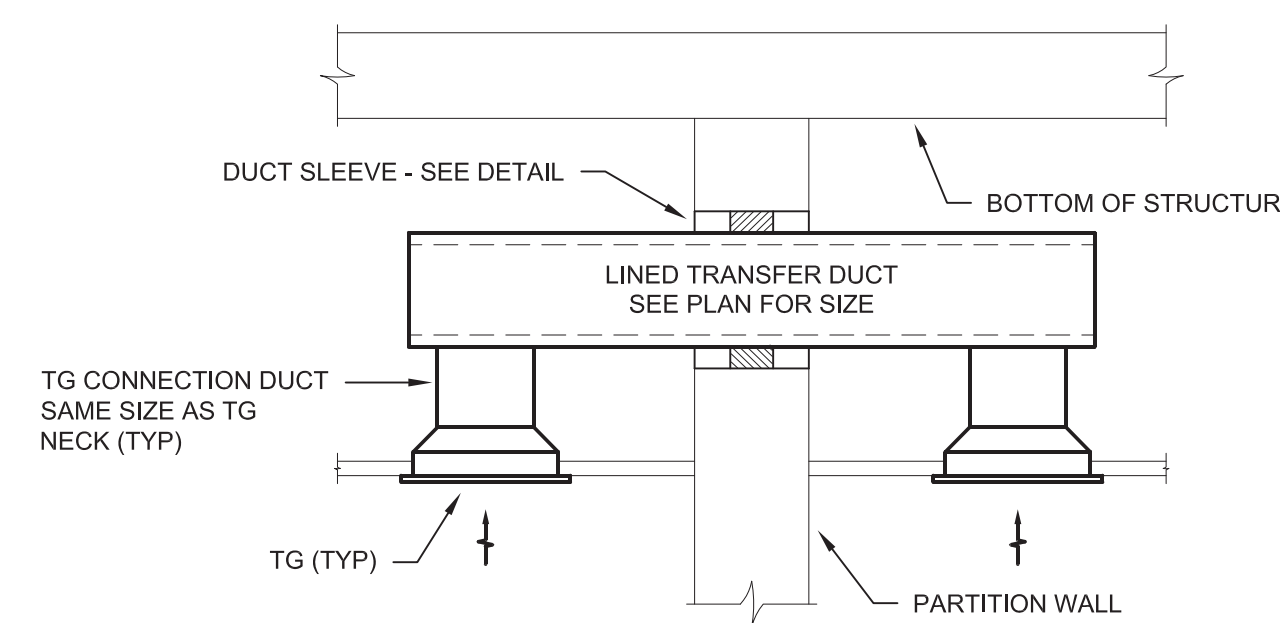
4 VAV BOOSTER COIL DETAIL
M9.1 SCALE: NONE



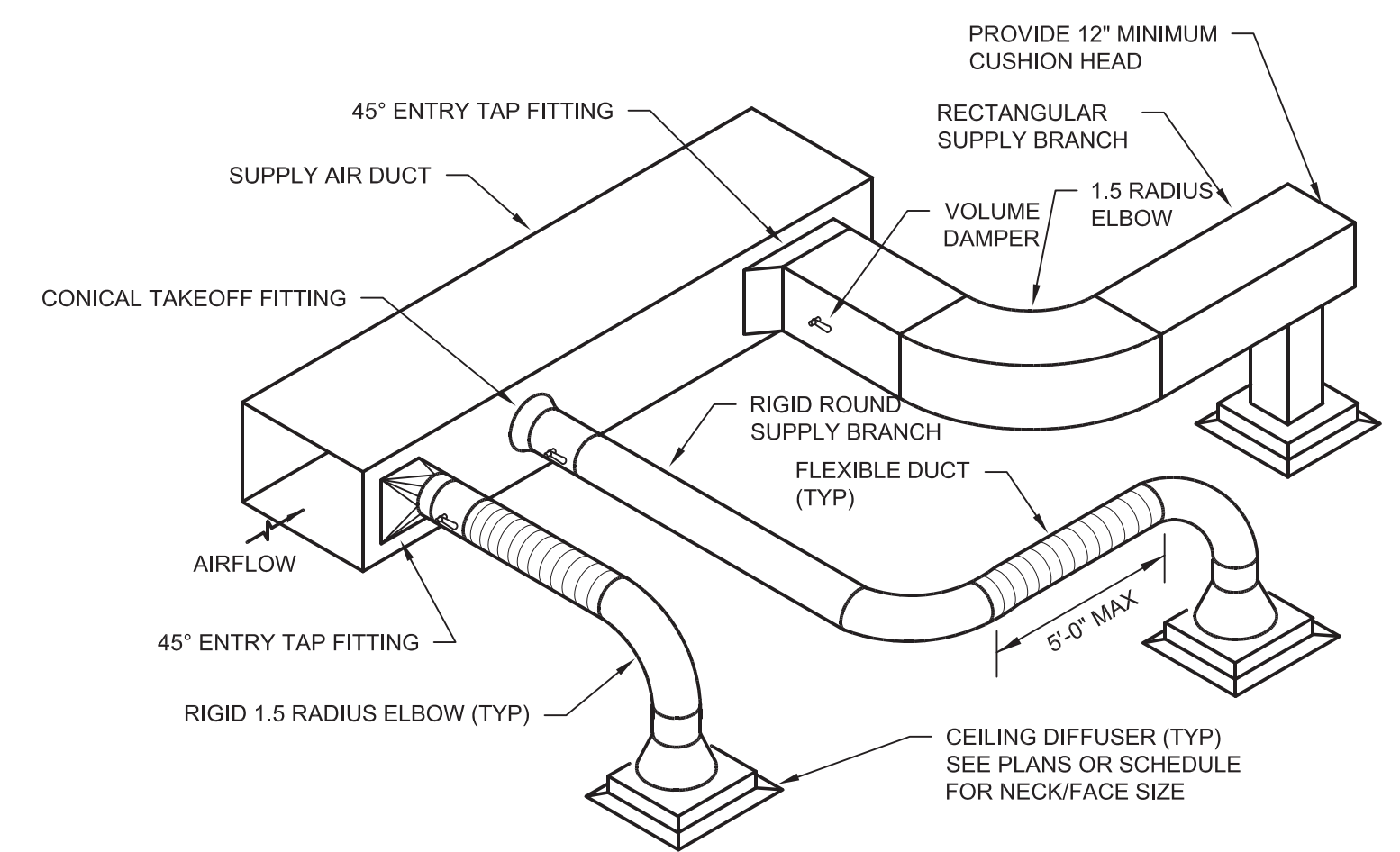
1 BRANCH DUCT TAKEOFF DETAIL
M9.1 SCALE: NONE



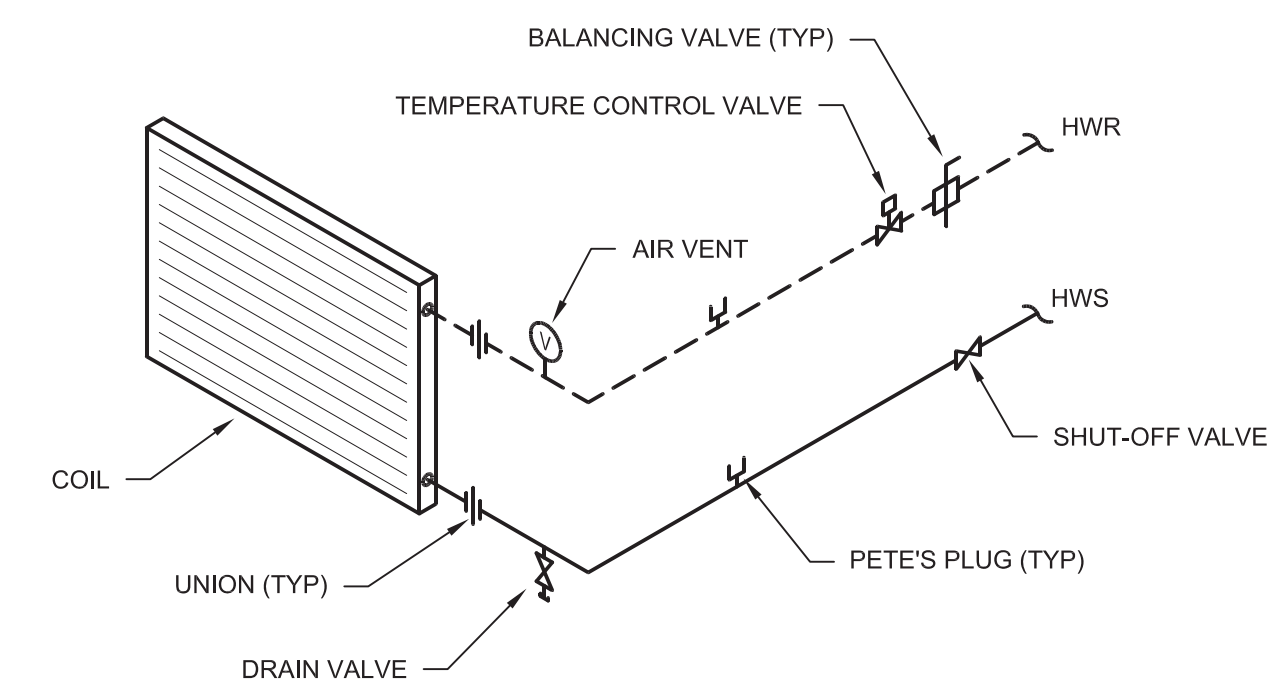
8 HOT WATER COIL PIPING DETAIL
M9.1 SCALE: NONE (WITH 3-WAY TCV)



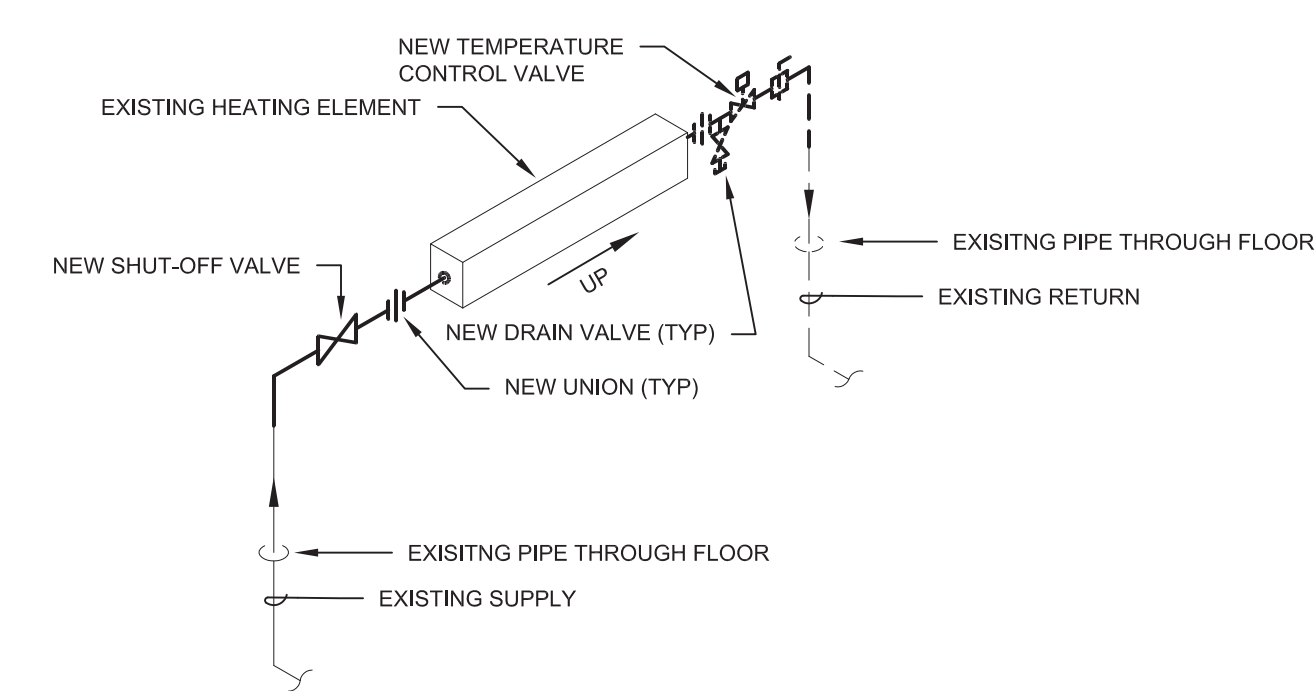
5 TRANSFER DUCT DETAIL
M9.1 SCALE: NONE



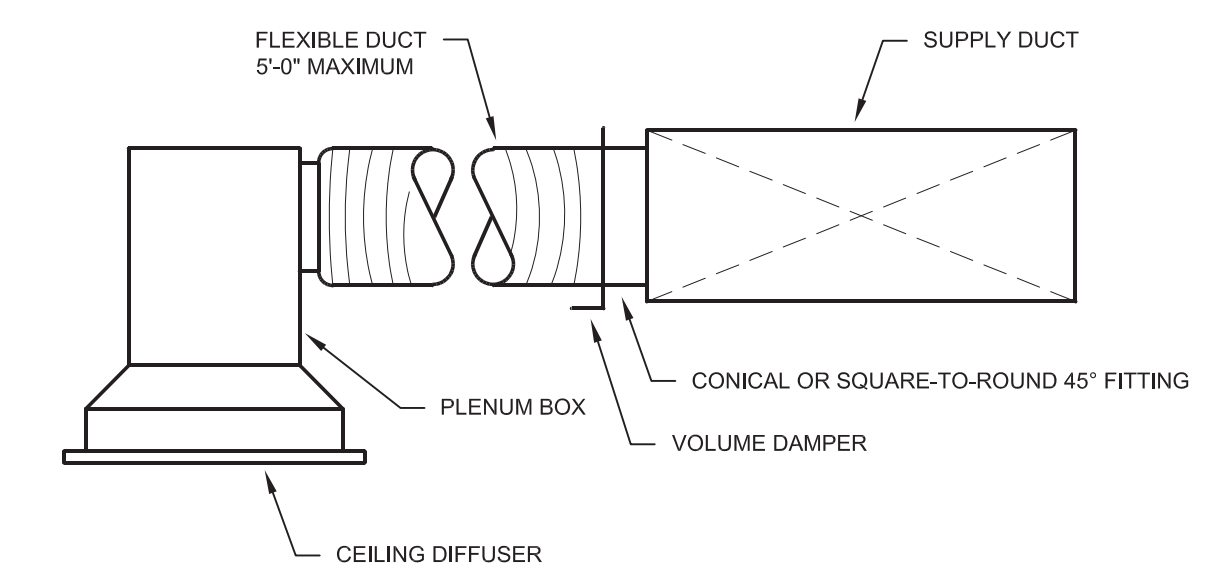
2 BRANCH DUCT & DIFFUSER CONNECTION
M9.1 SCALE: NONE



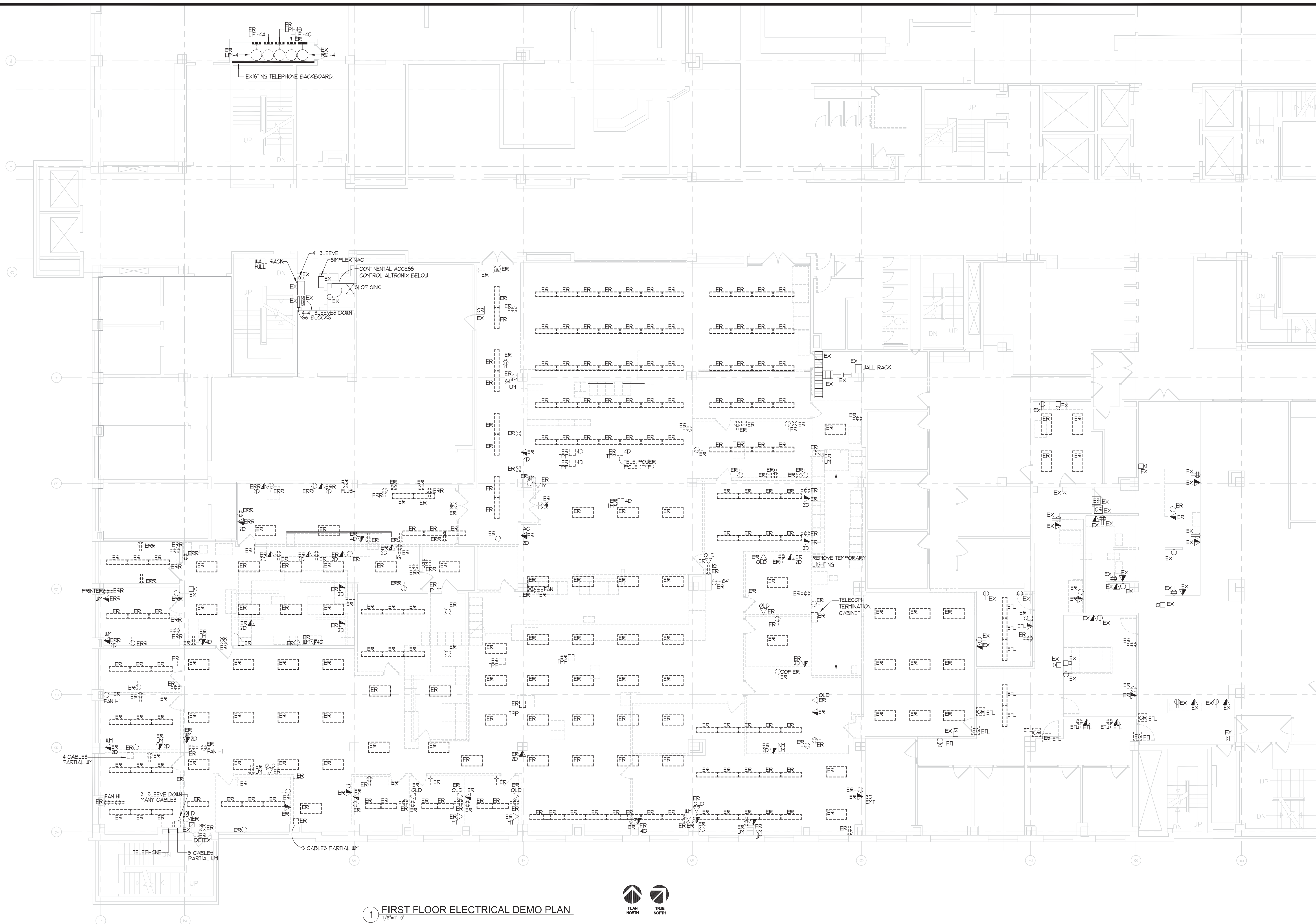
9 HOT WATER COIL PIPING DETAIL
M9.1 SCALE: NONE (WITH 2-WAY TCV)



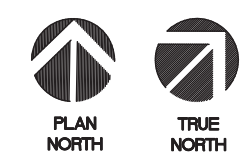
6 EXISTING CONVECTOR PIPING DETAIL
M9.1 SCALE: NONE



3 CEILING DIFFUSER CONNECTION DETAIL
M9.1 SCALE: NONE

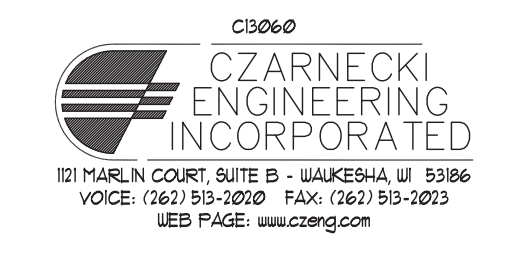


1 FIRST FLOOR ELECTRICAL DEMO PLAN
1/8"=1'-0"

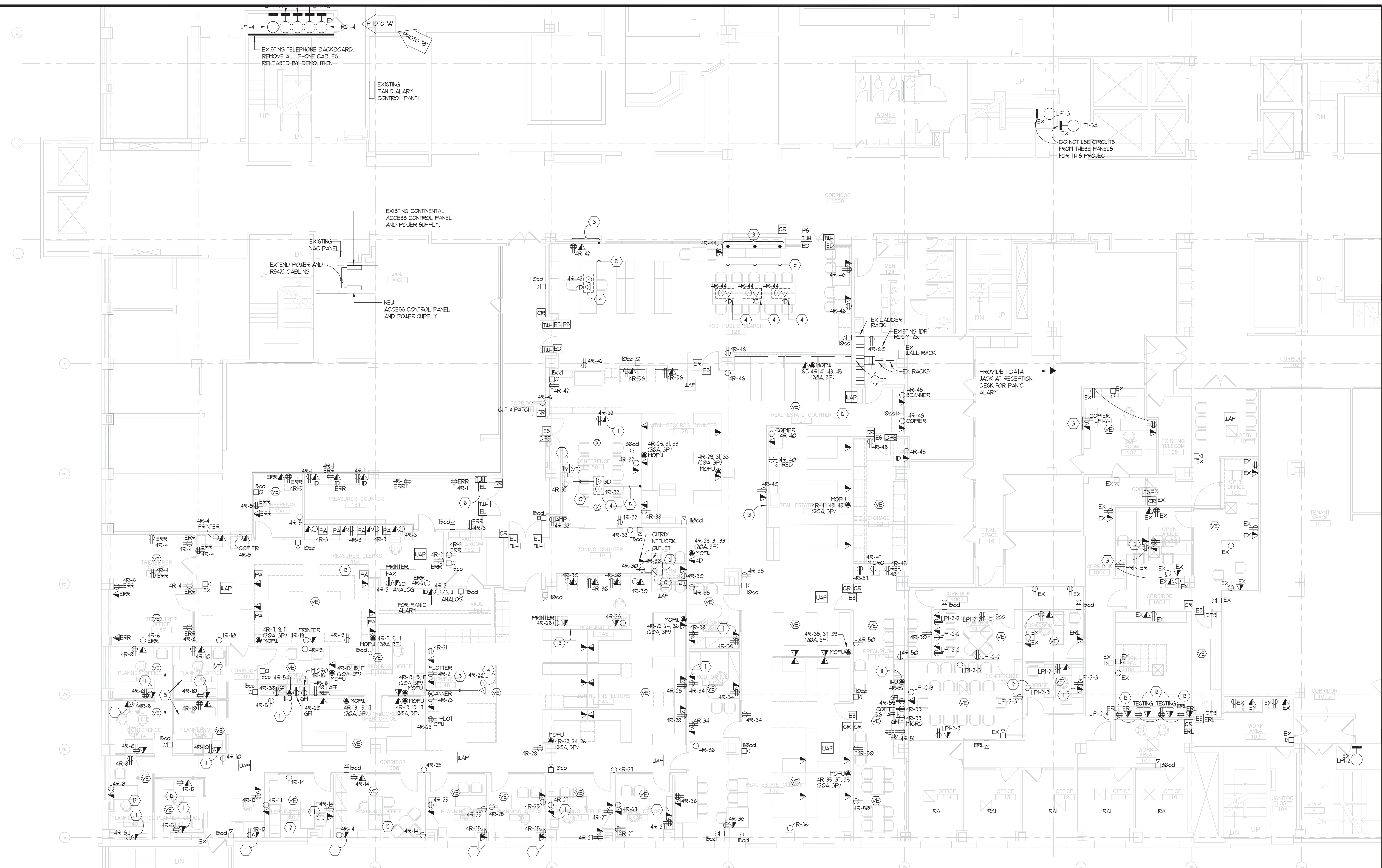


Architecture
Planning

DorschnerAssociates, Inc.
849 E. Washington Ave., Ste 112
Madison, Wisconsin 53703



ISSUED



1 FIRST FLOOR POWER/SYSTEMS PLAN
1/8"=1'-0"

GENERAL NOTES:

1. ALL CIRCUITS INDICATED '4R' ARE TO ORIGINATE IN PANEL LPI-4R.
2. VERIFY ALL FLOOR BOX LOCATIONS WITH OWNER.
3. ALL HOME RUNS OVER 50 FEET TO BE #10 CONDUCTOR.
4. COMMON NEUTRALS ARE NOT PERMITTED.

KEYED NOTES:

- | | | |
|--|--|--|
| <ol style="list-style-type: none"> 1. ROUGH-IN FOR VOICE DATA OUTLET. PROVIDE BLANK COVERPLATE. 2. WALL MOUNTED COMPUTER MONITOR. VERIFY HEIGHT. 3. FISH WALL. 4. PROVIDE HUBBELL SYSTEM ONE POKE THROUGH 5/8"X4"X5/8" FLUSH IN FLOOR. WITH 1-HDMI AND 1-VGA RECEPTACLE PLUS 3-DATA JACKS AND DUPLEX RECEPTACLE. 5. 2-3/4"Ø. TO CEILING FOR DATA. | <ol style="list-style-type: none"> 6. FAIL SECURE DEVICE - INTERLOCK WITH FIRE ALARM. 7. PROVIDE ARLINGTON TVB810 BOX FLUSH IN WALL WITH HDMI AND VGA RECEPTABLES PLUS DUPLEX RECEPTACLE. COORDINATE HEIGHT WITH OWNERS FLAT SCREEN TV MOUNT WIRE TO 4R-32. 8. THIN CLIENT BOX BELOW DESK. 9. LOCATE OUTLETS OUTSIDE OF TACKABLE WALL AREAS. | <ol style="list-style-type: none"> 10. PROVIDE 1-HDMI AND 1-VGA CABLE IN 1"Ø. 11. PROVIDE GFCI RECEPTACLE BELOW COUNTER FROM CORD CONNECTED INSTANT WATER HEATER (1300W, 120V). 12. FISH WALLS IF POSSIBLE IN THIS ROOM! OTHERWISE, INSTALL USING WIREMILD. 13. PARTIAL HEIGHT WALL - FEED OUTLETS FROM BELOW. |
|--|--|--|

PROJECT
TENANT IMPROVEMENTS
FIRST FLOOR
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

DRAWING
FIRST FLOOR
POWER/SYSTEMS PLAN

DATE
04.01.14

E1.1

ELECTRICAL SYMBOLS

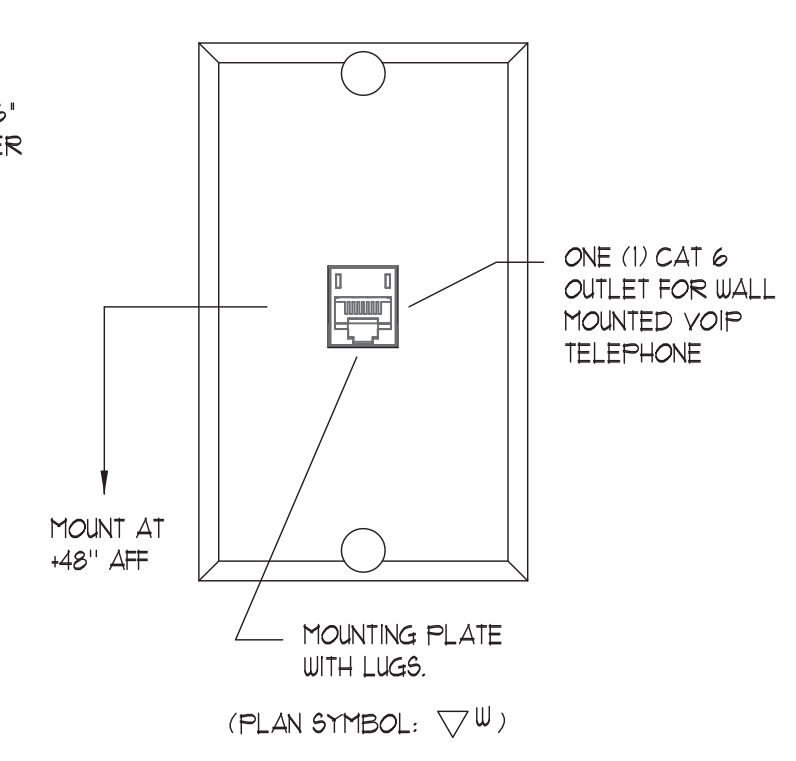
- FLUORESCENT STRIP
- FLUORESCENT RECESSED FIXTURE
- FLUORESCENT SURFACE OR PENDANT FIXTURE
- FLUORESCENT WALL BRACKET
- RECESSED FIXTURE
- SURFACE FIXTURE
- WALL MOUNTED FIXTURE
- SINGLE POLE TOGGLE SWITCH (3) THREE WAY (4) FOUR WAY (K) KEY (P) PILOT LIGHT (OS) OCCUPANCY SENSOR MOUNT 48" ABOVE FLOOR TO TOP OF BOX.
- DUPLEX RECEPTACLE 15" ABOVE FLOOR TO BOTTOM OF BOX OR HEIGHT AS INDICATED
- DOUBLE DUPLEX RECEPTACLE 15" ABOVE FLOOR TO BOTTOM OF BOX OR HEIGHT AS INDICATED
- DUPLEX RECEPTACLE HORIZONTAL ABOVE COUNTER
- DOUBLE DUPLEX RECEPTACLE HORIZONTAL ABOVE COUNTER
- DUPLEX RECEPTACLE FLUSH IN FLOOR, OR (P) PEDESTAL MOUNTED
- VOICE/DATA FLUSH IN FLOOR, OR (P) PEDESTAL MOUNTED
- TELEPHONE OUTLET 15" ABOVE FLOOR TO BOTTOM OF BOX - (W) WALL PHONE 52" MAX. IF SIDE ACCESSIBLE OR 48" MAX. IF FORWARD ACCESSIBLE ONLY. HEIGHT MEASURED FROM FLOOR TO TOP OF BOX. (F) PAY PHONE.
- VOICE/DATA OUTLET
- SPECIAL OUTLET
- MOTOR
- DISCONNECT SWITCH
- JUNCTION BOX
- PUSHBUTTON - 52" MAX. IF SIDE ACCESSIBLE OR 48" MAX. IF FORWARD ACCESSIBLE ONLY. HEIGHT MEASURED FROM FLOOR TO TOP OF BOX.
- TELEVISION OUTLET 15" ABOVE FLOOR TO BOTTOM OF BOX OR HEIGHT AS INDICATED - PROVIDE 3/4" SLEEVE TO ACCESSIBLE CEILING.
- CARD READER - SEE SECTION 28 13 00.
- ELECTRIC STRIKE - SEE SECTION 28 13 00.
- AMPLIFIER BY AV CONTRACTOR - SEE RISER ON THIS SHEET FOR ROUGH IN.
- SPEAKER BY AV CONTRACTOR - SEE RISER ON THIS SHEET FOR ROUGH IN.
- OCCUPANCY SENSOR
- WIRELESS ACCESS POINT-PROVIDE (1) CAT-6 CABLE TERMINATED ON RJ45 JACK. COIL UP SIX FEET SURPLUS CABLE AT WIRELESS ACCESS POINT. PLACE 3' OF BLACK ELECTRICAL TAPE ON TEE-BAR JUST BELOW WIRELESS ACCESS POINT.
- CEILING MOUNTED EXIT SIGN
- WALL MOUNTED EXIT SIGN
- ELECTRICAL PANEL
- DETAIL NUMBER
- NOTE OR DETAIL SYMBOL
- SHEET LOCATION
- VIDEO PROJECTOR OUTLET
- PANIC ALARM - SEE DETAIL
- ELECTRICAL LOCKSET BY HARDWARE SECTION - WIRED BY E.C.
- EXIT DEVICE BY HARDWARE SECTION - WIRED BY E.C.
- POWER SUPPLY BY HARDWARE SECTION - WIRED BY E.C.
- DOOR POSITION SWITCH BY HARDWARE SECTION - WIRED BY E.C.
- THROUGH - WIRE HINGE BY HARDWARE SECTION. WIRED BY E.C.

FIRE ALARM SYMBOLS

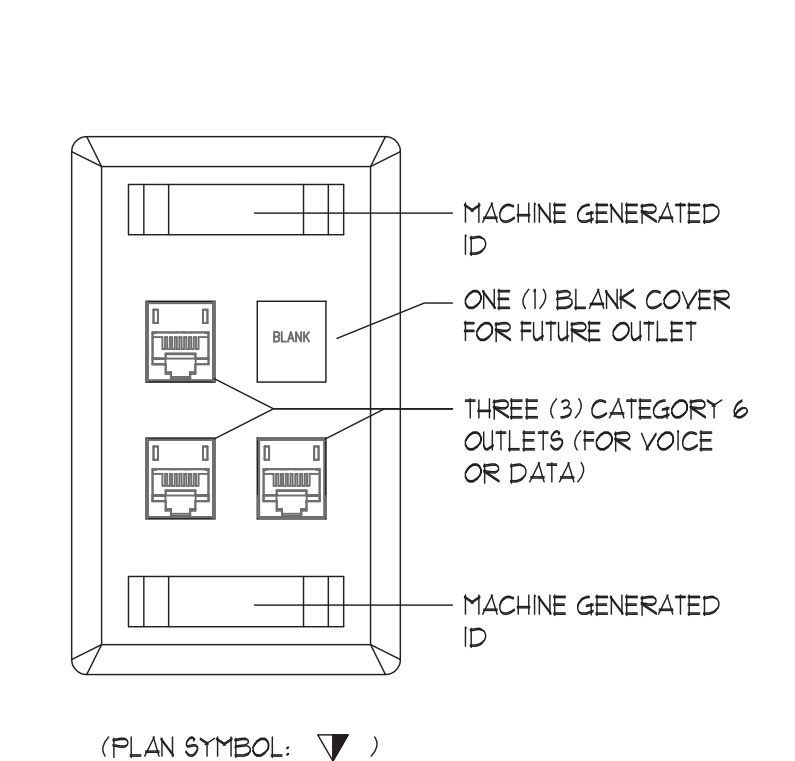
- NEW SPEAKER/STROBE 80" AFF TO BOTTOM OF BOX OR 6' DOWN FROM CEILING TO TOP OF BOX WHICHEVER IS LOWER
- NEW FIRE ALARM STROBE - ADA RATED 80" TO BOTTOM OF BOX OR 6' DOWN FROM CEILING TO TOP OF BOX WHICHEVER IS LOWER
- VOICE EVACUATION SPEAKER

ELECTRICAL ABBREVIATIONS

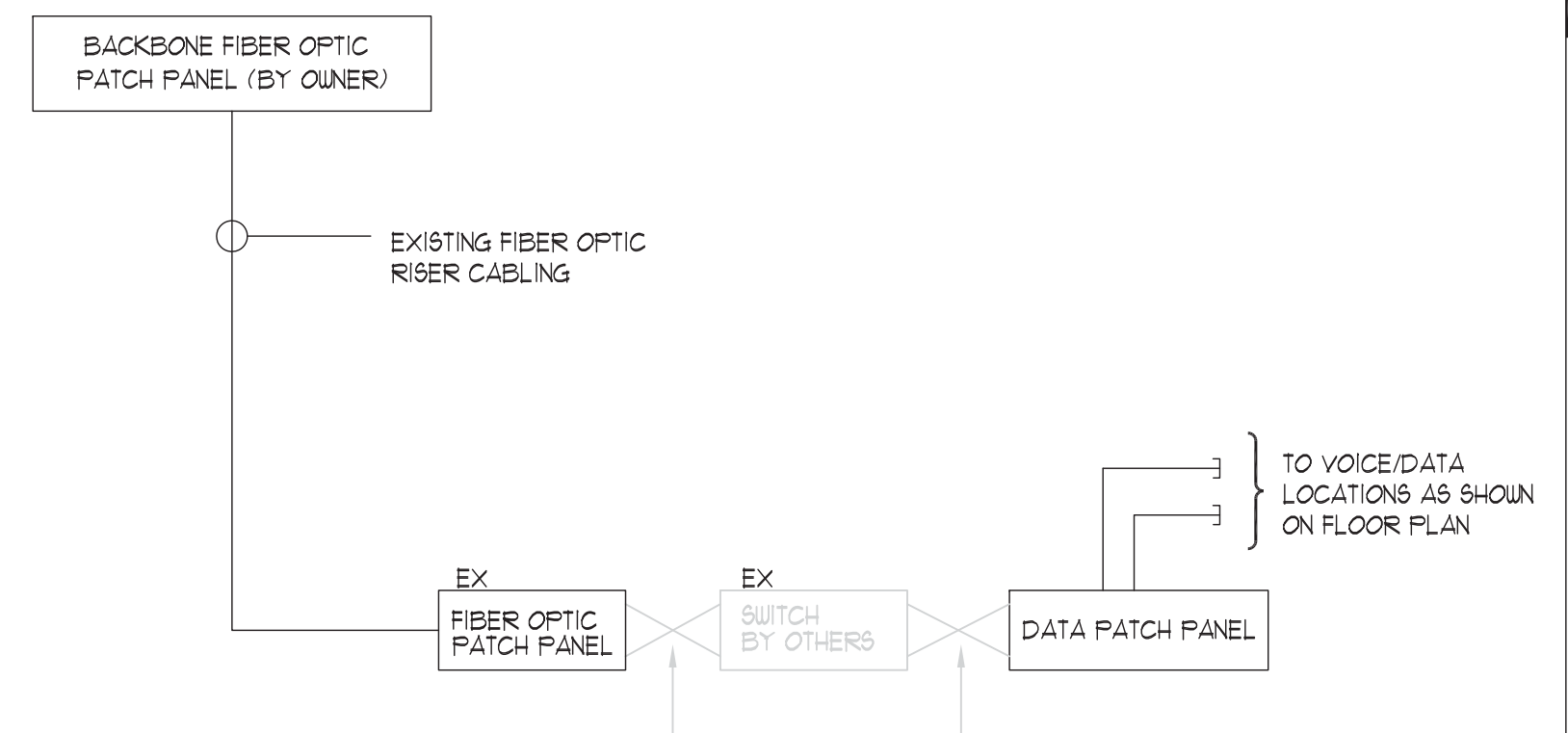
- AFB ABOVE FINISHED FLOOR
- ARG ABOVE FINISHED GRADE
- BFG BELOW FINISH GRADE
- BOL BUILT-IN OVERLOAD
- C CONDUIT
- CKT CIRCUIT
- CB COMBINATION STARTER
- D DEDICATED
- DD DOUBLE DUPLEX
- EC ELECTRICAL CONTRACTOR
- EWC ELECTRIC WATER COOLER
- ER EXISTING TO BE REMOVED
- ERL EXISTING RELOCATED (NEW LOCATION)
- ERR EXISTING OUTLET - REMOVE REPLACE DEVICE AND COVERPLATE, AND REWIRE
- ETL EXISTING TO BE RELOCATED (OLD LOCATION)
- EX EXISTING TO REMAIN
- FACP FIRE ALARM CONTROL PANEL
- GC GENERAL CONTRACTOR
- GFI GROUND FAULT INTERRUPTER
- HV HEATING AND VENTILATION CONTRACTOR
- IG ISOLATED GROUND
- IR IN ROOM
- IU IN UNIT
- MAN MANUAL STARTER
- MAG MAGNETIC STARTER
- MCA MINIMUM CIRCUIT AMPACITY
- NIC NOT IN CONTRACT
- NL NIGHT LIGHT
- NU NEAR UNIT
- PE PUSHBUTTON
- PC PLUMBING CONTRACTOR
- FW PRE-WIRED
- RV REDUCED VOLTAGE STARTER
- RAI REMAIN AS IS
- SC SEPARATE CIRCUIT
- SS SPEED SWITCH
- SW SWITCH
- TC TIMECLOCK
- TS THERMOSTAT
- UM UNIT MANUFACTURER
- WP WEATHERPROOF



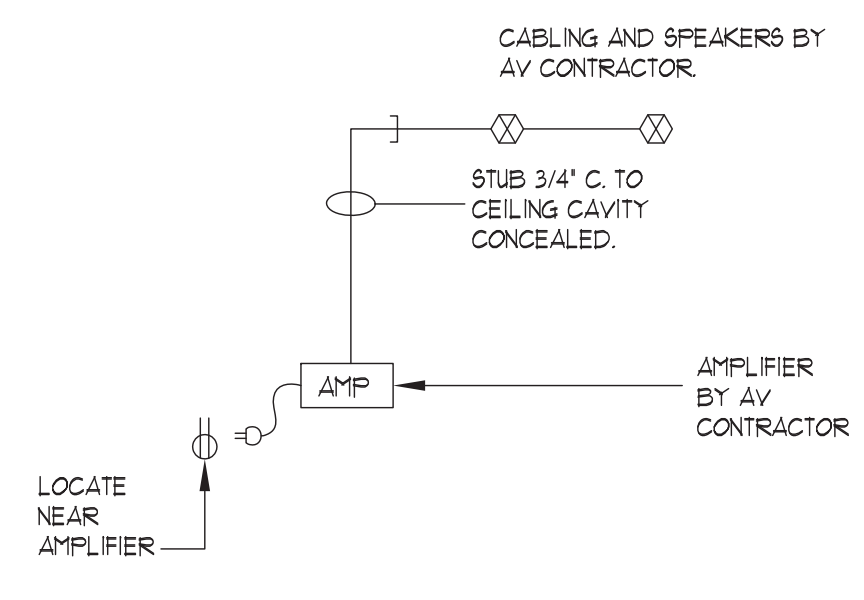
WALL PHONE OUTLET DETAIL
SCALE: NONE



TYPICAL WORKSTATION DATA OUTLET DETAIL
SCALE: NONE



DATA RISER DIAGRAM - CATEGORY 6 PERFORMANCE
NO SCALE



AV ROUGH IN RISER
NO SCALE

TAG	LAMP DATA		DESCRIPTION	LIGHTING FIXTURE		MOUNT	CEILING TYPE	VOLT	SEE NOTE
	NO	TYPE		MAKE	CATALOG NO				
A	2	F3278/SP35/UM/ECCO	PENDANT INDIRECT	AXIS LIGHTING	20CC-PL-4-T8-2-M-AP-0-0-UNV-ERB-2-CA48-C	CABLE	GRID	120	1, 2, 4
B	1	32WTR1/SP35	8" DIAMETER OPEN CONE CFL	GOTHAM	AF-1-32TRT-8-AR-LD-120	RECESSED	VARIABLE	120	5
C	2	F3278/SP35/UM/ECCO	1 X 4 SOLID METAL SIDED FLUORESCENT	LITHONIA	M232 A12 123GBE10 MVOLT	SURFACE	PLASTER	120	4
D		LED	SINGLE CKT. TRACK WITH LED WALLWASH	LIGHTOJOUR	LLF2 30 WH	TRACK	GRID	120	3
E	2	F3278/SP35/UM/ECCO	1 X 4 K12 RECESSED FLUORESCENT	LITHONIA	SPG232 A12.125 GB10 MVOLT	RECESSED	GRID	120	2, 4
F	2	F3278/SP35/UM/ECCO	1 X 4 DIRECT INDIRECT	LITHONIA	AVG232 NDR MVOLT QB10PS ALG	RECESSED	GRID	120	4
G	2	F1475/635/ECCO	ZERO PLENUM TROFFER - 2x2	CORELITE	R1W-8-2-N5-1-C-UNV-T1	RECESSED	GRID	120	4
X		LED	SINGLE FACE EXIT LIGHT	COOPER	CX718D	TOP OR BACK	VARIABLE	120	
XA		LED	DOUBLE FACE EXIT LIGHT	COOPER	CX728D	TOP OR BACK	VARIABLE	120	

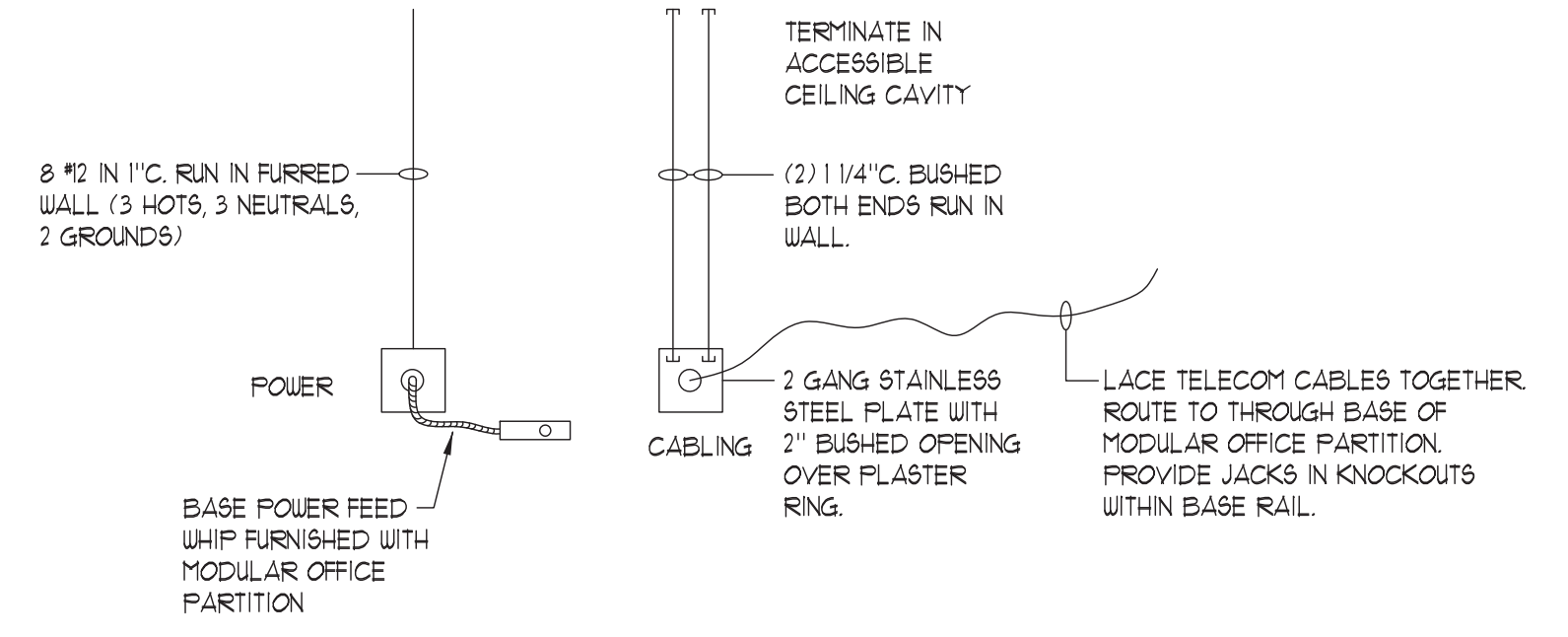
- NOTES:**
- USE 8 FOOT AND 12 FOOT UNITS WHERE POSSIBLE. MOUNT 8'-0" TO BOTTOM WHERE CEILING HEIGHT IS 9'-0", 8'-6" TO BOTTOM WHERE CEILING HEIGHT IS 10'-0", AND 6'-0" TO BOTTOM WHERE CEILING HEIGHTS 10'-6".
 - PROVIDE MASTER/SLAVE BALLAST ARRANGEMENT FOR DUAL SWITCHING.
 - PROVIDE WHITE FINISH SURFACE MOUNTED TRACK INCLUDING CONNECTORS, FEED POINTS AND ALL REQUIRED ACCESSORIES.
 - PROVIDE NORMAL BALLAST FACTOR (APPROXIMATELY 0.87).
 - UNDER ALTERNATE BID 2, PROVIDE GOTHAM EV035/22-8AR-120 IN LIEU OF COMPACT FLUORESCENT.

MOTOR WIRING SCHEDULE

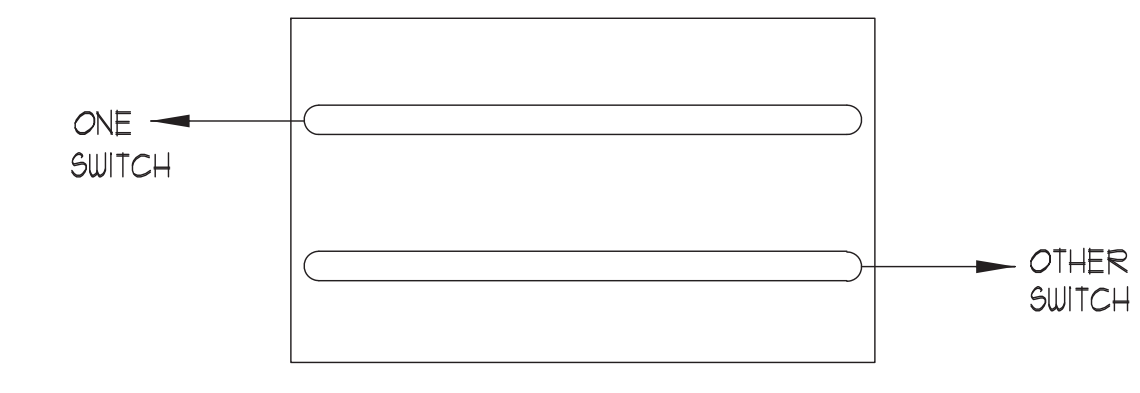
TAG	DRIVING	LOC.	POWER		FEED FROM		BREAKER		BRANCH WIRING				STARTER			DISCONNECT				SEE NOTE			
			HP	VOLT	PANEL	CIRCUIT	SIZE	POLE	NO	SIZE	COND.	FURN.	INST.	WIRED	LOC.	TYPE	FURN.	INST.	WIRED		LOC.	TYPE	
EF	EXHAUST FAN	123	FRAC.	120		4R	58	20	1	3	12	1/2	HV	EC	EC	NU	MAN	EC	EC	EC	NU	MAN	

- ABBREVIATIONS:**
- 2BP = 2 SPEED MAGNETIC STARTER
 - BOL = BUILT-IN OVERLOAD
 - CB = COMBINATION STARTER
 - EC = ELECTRICAL CONTRACTOR
 - ECP = ELEVATOR CONTROL PANEL
 - EV = ELEVATOR CONTRACTOR
 - FD = FUSIBLE DISCONNECT
 - HV = HVAC CONTRACTOR
 - IU = IN UNIT
 - LMRS = LOCKABLE MOTOR RATED SWITCH
 - MAN = MANUAL STARTER
 - MAG = MAGNETIC STARTER
 - MC = MECHANICAL CONTRACTOR
 - MCC = MOTOR CONTROL CENTER
 - HOA = HAND-OFF-AUTO
 - MCA = MINIMUM CIRCUIT AMPS
 - MFR = MANUFACTURER
 - NFD = NON-FUSIBLE DISCONNECT
 - NU = NEAR UNIT
 - OU = ON UNIT
 - PC = PLUMBING CONTRACTOR
 - PL = PILOT LIGHT
 - RVS = REDUCED VOLTAGE STARTER
 - TCP = TEMPERATURE CONTROL PANEL
 - T-STAT = THERMOSTAT
 - VFD = VARIABLE FREQUENCY DRIVE
 - WP = WEATHERPROOF
 - STST = START/STOP

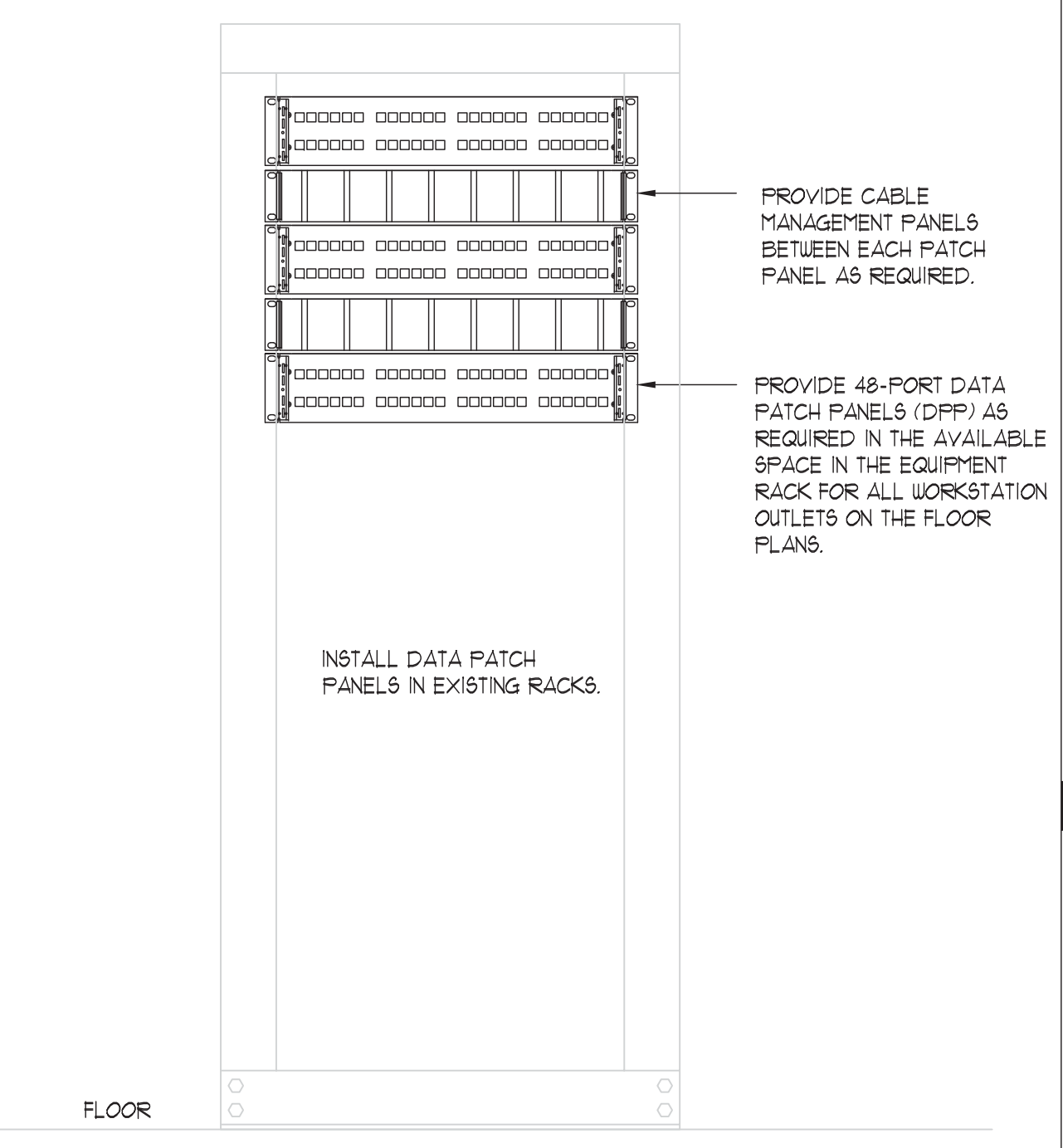
- NOTES:**
-



DETAIL: MOPW (MODULAR OFFICE PARTITION - WALL FEED)
SCALE: NONE



DUAL SWITCHING DETAIL: TYPE 'A' & 'E'
NOT TO SCALE



RACK ELEVATION - TELECOM CLOSET 123
NO SCALE

PANEL LP1-4L													
200 AMPS MB 208Y/120V VOLT 3 PHASE 4 WIRE SURFACE MOUNTING													
BREAKER	DESCRIPTION	Load Category	CIRCUIT	PHASE LOADS			CIRCUIT	Load Category	DESCRIPTION	BREAKER			
AMPS	POLES		#	A	B	C	#	WATTS		AMPS	POLES		
20	1	LIGHTING	L	1560	1	2640	2	1320	L	LIGHTING	20	1	
20	1	LIGHTING	L	1370	3	2890	4	1320	L	LIGHTING	20	1	
20	1	LIGHTING	L	525	5	1260	6	660	L	LIGHTING	20	1	
20	1	LIGHTING	L	1660	7	1660	8		L	RECONNECT EX LOAD	20	1	
20	1	LIGHTING	L	1450	9	1450	10		L	RECONNECT EX LOAD	20	1	
20	1	LIGHTING	L	1000	11	1000	12		L	RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		13	0		14			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		15	0		16			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		17	0		18			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		19	0		20			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		21	0		22			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		23	0		24			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		25	0		26			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		27	0		28			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		29	0		30			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		31	0		32			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		33	0		34			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		35	0		36			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		37	0		38			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		39	0		40			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		41	0		42			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		43	0		44			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		45	0		46			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		47	0		48			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		49	0		50			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		51	0		52			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		53	0		54			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		55	0		56			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		57	0		58			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		59	0		60			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		61	0		62			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		63	0		64			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		65	0		66			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		67	0		68			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		69	0		70			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		71	0		72			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		73	0		74			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		75	0		76			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		77	0		78			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		79	0		80			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		81	0		82			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		83	0		84			RECONNECT EX LOAD	20	1	
TOTAL LOADS:				11000	WATTS								
DEMAND:				31	AMPS								

NOTE:
ADJUST BREAKER COMPLEMENT TO ACCOMMODATE LOADS TO BE RECONNECTED. RETAIN SURPLUS 20A, 1P BREAKERS AS SPARES AND LEAVE IN 'OFF' POSITION.

PANEL LP1-4R													
200 AMPS MB 208Y/120V VOLT 3 PHASE 4 WIRE SURFACE MOUNTING													
BREAKER	DESCRIPTION	Load Category	CIRCUIT	PHASE LOADS			CIRCUIT	Load Category	DESCRIPTION	BREAKER			
AMPS	POLES		#	A	B	C	#	WATTS		AMPS	POLES		
20	1	5 RECEPTACLES	R	1000	1	2000	2	1000	R	5 RECEPTACLES	20	1	
20	1	5 RECEPTACLES	R	1000	3	2000	4	1000	R	5 RECEPTACLES	20	1	
20	1	5 RECEPTACLES	R	1000	5	2000	6	1000	R	5 RECEPTACLES	20	1	
20	3	SPO MOPW	R	1000	7	2000	8	1000	R	5 RECEPTACLES	20	1	
X	X	X	R	1000	9	2000	10	1200	R	6 RECEPTACLES	20	1	
X	X	X	R	1000	11	2000	12	1000	R	6 RECEPTACLES	20	1	
20	3	SPO MOPW	R	1000	13	2000	14	1000	R	5 RECEPTACLES	20	1	
X	X	X	R	1000	15	2000	16	1000	R	REFRIGERATOR	20	1	
X	X	X	R	1000	17	2000	18	1000	R	MICROWAVE	20	1	
20	1	3 RECEPTACLES	R	800	19	1600	20	1000	R	COFFEE	20	1	
20	1	11 RECEPT. PLOTTER	R	1200	21	2200	22	1000	R	SPO MOPW	20	3	
20	1	SCANNER, PLOTTER	R	1200	23	2200	24	1000	R	X	X	X	
20	1	7 RECEPTACLES	R	1400	25	2400	26	1000	R	X	X	X	
20	1	7 RECEPTACLES	R	1400	27	2200	28	800	R	4 RECEPTACLES	20	1	
20	3	SPO MOPW	R	1000	29	2400	30	1400	R	7 RECEPTACLES	20	1	
X	X	X	R	1000	31	2400	32	1400	R	7 RECEPTACLES	20	1	
X	X	X	R	1000	33	1800	34	800	R	4 RECEPTACLES	20	1	
20	3	SPO MOPW	R	1000	35	1800	36	800	R	4 RECEPTACLES	20	1	
X	X	X	R	1000	37	2000	38	1000	R	5 RECEPTACLES	20	1	
X	X	X	R	1000	39	1800	40	600	R	3 RECEPTACLES	20	1	
20	3	SPO MOPW	R	1000	41	1800	42	800	R	4 RECEPTACLES	20	1	
X	X	X	R	1000	43	1800	44	800	R	4 RECEPTACLES	20	1	
X	X	X	R	1000	45	1800	46	800	R	4 RECEPTACLES	20	1	
20	1	MICROWAVE	E	1000	47	2500	48	1500	E	SCANNER, COPIER, 2 R	20	1	
20	1	REFRIGERATOR	E	1000	49	2000	50	1000	R	6 RECEPTACLES	20	1	
20	1	MICROWAVE	E	1000	51	2300	52	1300	E	SPO IHV	20	1	
20	1	REFRIGERATOR	E	1000	53	2300	54	1300	E	SPO IHV	20	1	
20	1	COFFEE	R	1000	55	1400	56	400	R	2 RECEPTACLES	20	1	
20	1	COFFEE	R	1000	57	2310	58	1310	A	EF	20	1	
20	1	COFFEE	R	1000	59	1000	60			MOVE-IN-COOL	20	1	
20	1	RECONNECT EX LOAD		61	0		62			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		63	0		64			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		65	0		66			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		67	0		68			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		69	0		70			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		71	0		72			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		73	0		74			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		75	0		76			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		77	0		78			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		79	0		80			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		81	0		82			RECONNECT EX LOAD	20	1	
20	1	RECONNECT EX LOAD		83	0		84			RECONNECT EX LOAD	20	1	
TOTAL LOADS:				80010	WATTS								
DEMAND:				167	AMPS								

NOTE:
ADJUST BREAKER COMPLEMENT TO ACCOMMODATE LOADS TO BE RECONNECTED. RETAIN SURPLUS 20A, 1P BREAKERS AS SPARES AND LEAVE IN 'OFF' POSITION.

PANEL LP1-2													
225 AMPS MLO 208Y/120V VOLT 3 PHASE 4 WIRE SURFACE MOUNTING													
BREAKER	DESCRIPTION	Load Category	CIRCUIT	PHASE LOADS			CIRCUIT	Load Category	DESCRIPTION	BREAKER			
AMPS	POLES		#	A	B	C	#	WATTS		AMPS	POLES		
20	1	COPIER	E	1000	1	2000	2	1000	R	5 RECEPTACLES	20	1	
20	1	7 RECEPTACLES	R	1400	3	2000	4	800	R	3 RECEPTACLES	20	1	
TOTAL LOADS:				4000	WATTS								
DEMAND:				11	AMPS								

NOTE:
ADJUST BREAKER COMPLEMENT TO ACCOMMODATE LOADS TO BE RECONNECTED. RETAIN SURPLUS 20A, 1P BREAKERS AS SPARES AND LEAVE IN 'OFF' POSITION.

EXISTING SQUARE D NQOD PANEL.
REUSE BREAKERS RELEASED FROM SERVICE BY DEMO.

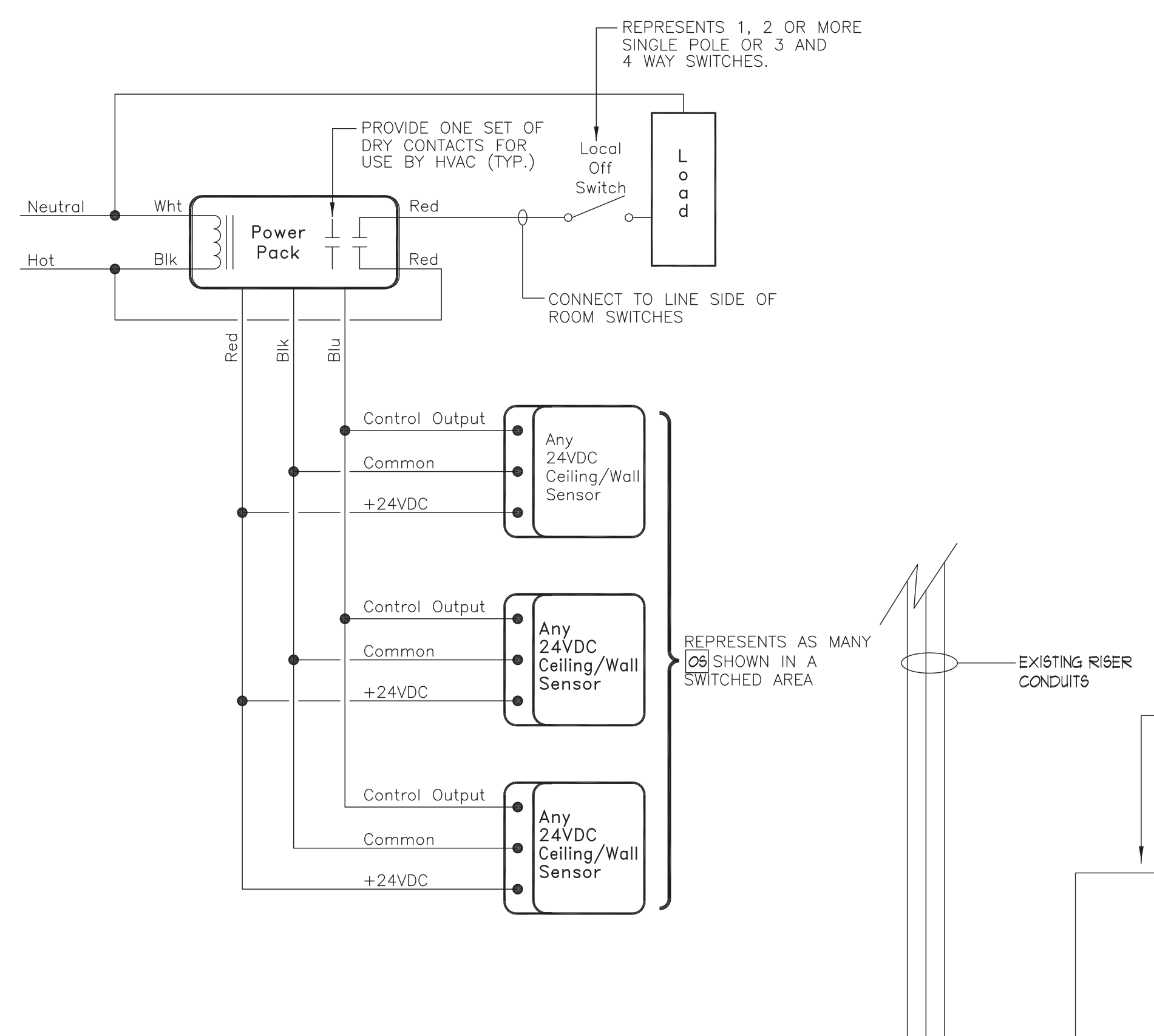


PHOTO 'A'
SCALE: NONE



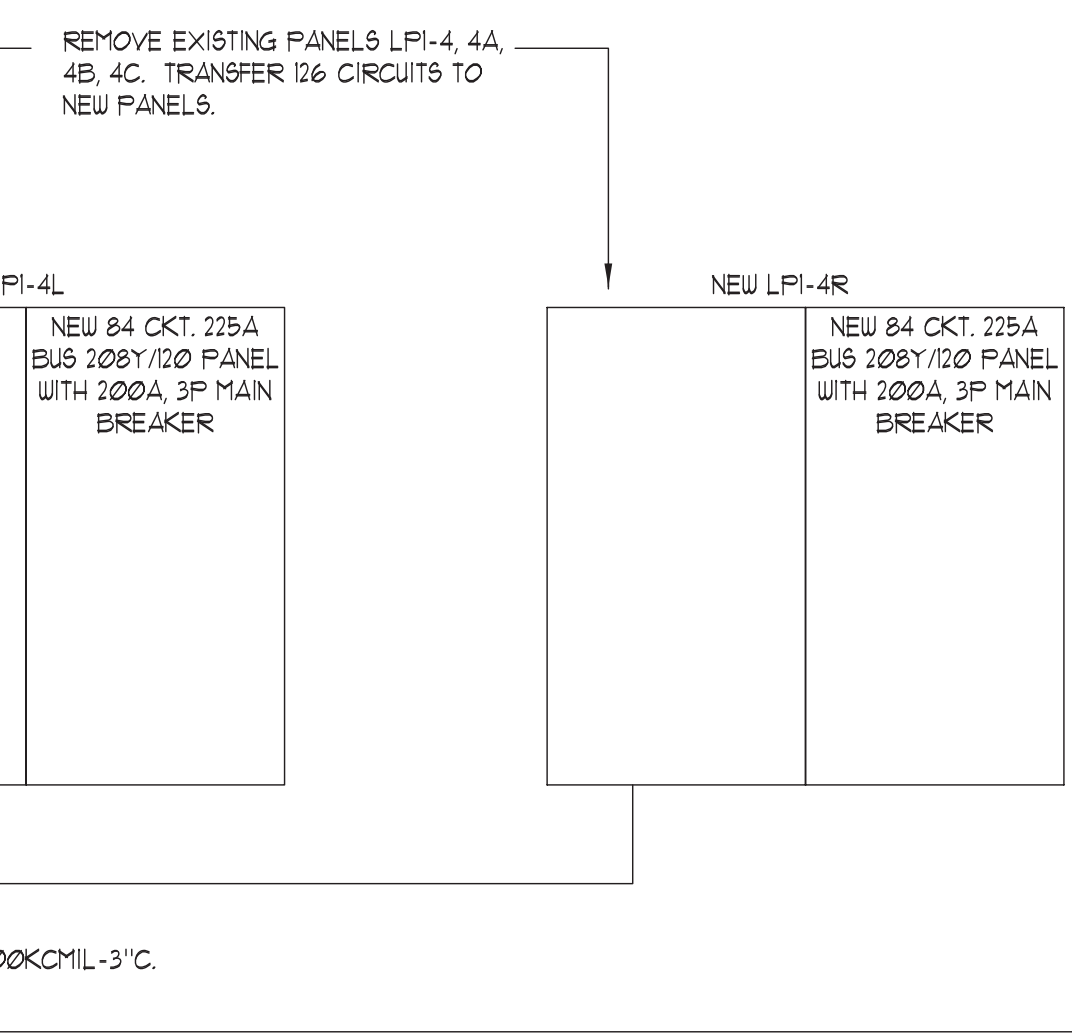
PHOTO 'B'
SCALE: NONE

REMOVE EXISTING PANIC ALARMS AND REINSTALL WHERE SHOWN ON UNDERSIDE OF COUNTER. WITHIN REACH OF STAFF. WHERE SHOWN ON MODULAR FURNITURE, ROUTE WIRING WITHIN UTILITY CHASE IN BASE.



PHOTO: PANIC ALARM FA
SCALE: NONE

REWIRE CONCEALED TO EXISTING PANIC ALARM PANEL.



RELOCATE EXISTING RELAY PANEL RCH-4 AS REQUIRED TO ACCOMMODATE LP1-4 AND R.

FOR BIDDING PURPOSE, PROVIDE (84) 20A, 1P BREAKERS IN EACH DOUBLE TUB PANEL. ADJUST TO MATCH BREAKER AMPACITY NUMBER OF POLES BEING REPLACED. RETAIN ANY SURPLUS 20A, 1P BREAKERS AS SPARES. LEAVE IN 'OFF' POSITION.