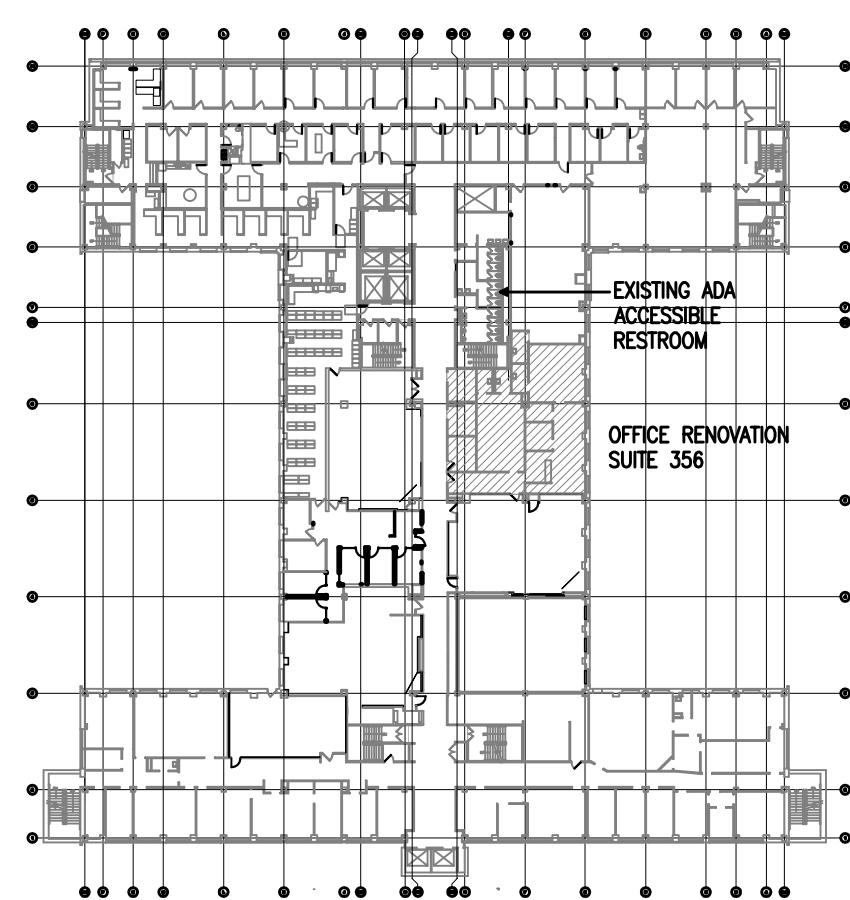


OFFICE FOR EQUITY AND INCLUSION CITY-COUNTY BUILDING THIRD FLOOR 210 MARTIN LUTHER KING, JR. BLVD. MADISON, WISCONSIN



MADISON, WISCONSIN



THIRD FLOOR PLAN

GENERAL NOTE:
1. ADA ACCESSIBLE ROUTE EXTENDS FROM BUILDING, DOWN ADA ACCESSIBLE RAMP TO ADA ACCESSIBLE PARKING STALL ON MARTIN LUTHER KING JR BOULEVARD.

ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT
A.F.F.	ABOVE FINISHED FLOOR
AL	ALUMINUM
AP	ACCESS PANEL
CG	CORNER GUARD
CJ	CONTROL JOINT
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CT	CERAMIC TILE
CUH	CABINET UNIT HEATER
EJ	EXPANSION JOINT
EW	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FO	FOUNDATION DRAIN SYSTEM FLUSHOUT
FRT	FIRE TREATED
FX-#	FIRE EXTINGUISHER AND TYPE
GWB	GYPSON 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
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
GROSS FLOOR AREA OF RENOVATION: 2,080 GSF
SPRINKLERED
MAXIMUM EXIT ACCESS TRAVEL DISTANCE: 300'
OFFICE RENOVATION OCCUPANCY < 49
SINGLE MEETING ROOM OCCUPANCY < 100

INDEX OF DRAWINGS

GENERAL	
G1.0	COVER SHEET AND INDEX OF DRAWINGS
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A2.1	PARTIAL THIRD FLOOR PLANS, REFLECTED CEILING PLANS AND FINISH PLANS
A7.0	INTERIOR ELEVATIONS, PARTITION TYPES, DETAILS & DOOR SCHEDULE
FIRE PROTECTION	
F0.1	SYMBOLS, ABBREVIATION, NOTES AND DETAILS - FIRE PROTECTION
F1.1	PARTIAL THIRD FLOOR DEMOLITION PLAN - FIRE PROTECTION
F2.1	PARTIAL THIRD FLOOR NEW WORK PLAN - FIRE PROTECTION
PLUMBING	
P0.1	SYMBOLS, ABBREVIATION AND SCHEDULES - PLUMBING
P1.1	PARTIAL THIRD FLOOR DEMOLITION PLAN - PLUMBING
P2.1	PARTIAL THIRD FLOOR NEW WORK PLAN - PLUMBING
HVAC	
M0.1	SYMBOLS AND ABBREVIATIONS - HVAC
M1.1	PARTIAL THIRD FLOOR DEMOLITION PLAN - HVAC
M2.1	PARTIAL THIRD FLOOR NEW WORK PLAN - HVAC
M8.1	SCHEDULES AND DETAILS - HVAC
ELECTRICAL	
E1.0	PARTIAL THIRD FLOOR DEMOLITION AND ELECTRICAL PLANS
E2.0	OVERALL THIRD FLOOR PLAN
E3.0	ELECTRICAL DETAILS
E4.0	ELECTRICAL DETAILS

ARCHITECTURAL SYMBOLS AND LEGEND

X/XXX	DETAIL REFERENCE
X/XXX	SHEET REFERENCE
X/XXX	DETAIL NUMBER
X/XXX	WALL SECTION REFERENCE
X/XXX	SHEET REFERENCE
X/XXX	DETAIL NUMBER
X	WALL SECTION REFERENCE
X	SHEET REFERENCE
X	DETAIL NUMBER
X	ELEVATION REFERENCE
X	PARTITION TYPE REF. SEE SHEET A7.0
X	NEW WALLS
X	WINDOW TYPES SEE A7.0
X	1 HOUR FIRE RATED WALL
X	2 HOUR FIRE RATED WALL
X	DOOR SWING w/NUMBER. SEE A7.0
X	EXISTING DOOR SWING w/NUMBER. SEE A7.0
X	REVISIONS
FX-1	RECESSED FIRE EXTINGUISHER
FX-2	SURFACE MOUNT FIRE EXTINGUISHER
x70-1	SPOT ELEVATION (FEET-INCHES)
x70.83	SPOT ELEVATION (FEET.DECIMAL)
OFFICE 012	ROOM NAME & NUMBER SEE FINISH PLAN SHEET A2.1

DEMOLITION NOTES

INTERIOR SUITE WALLS (EXCLUDING PLUMBING WALLS), CEILING AND CARPET WILL BE DEMOLISHED BY OWNER PRIOR TO NOTICE TO PROCEED.

EXISTING WHITE BOARD AND CONFERENCE ROOM EQUIPMENT TO BE SALVAGED FOR REINSTALLATION BY OWNER.

◇ DEMO DOOR AND HM FRAME. SALVAGE HARDWARE AND TURN OVER TO OWNER.

◇ DEMO EXISTING ALUMINUM DOOR AND STOREFRONT. SALVAGE HARDWARE AND TURN OVER TO OWNER.

◇ DEMO PORTION OF EXISTING WALL IN ITS ENTIRETY.

◇ DEMO PLUMBING WALL IN ITS ENTIRETY. MAINTAIN FIRE RATED STAIR. FIELD VERIFY ANY PLUMBING CHASES PRIOR TO DEMO.

◇ DEMO CERAMIC FLOOR TILE.

◇ REMOVE EXISTING MARBLE BASE AND CUT FOR REINSTALLATION.

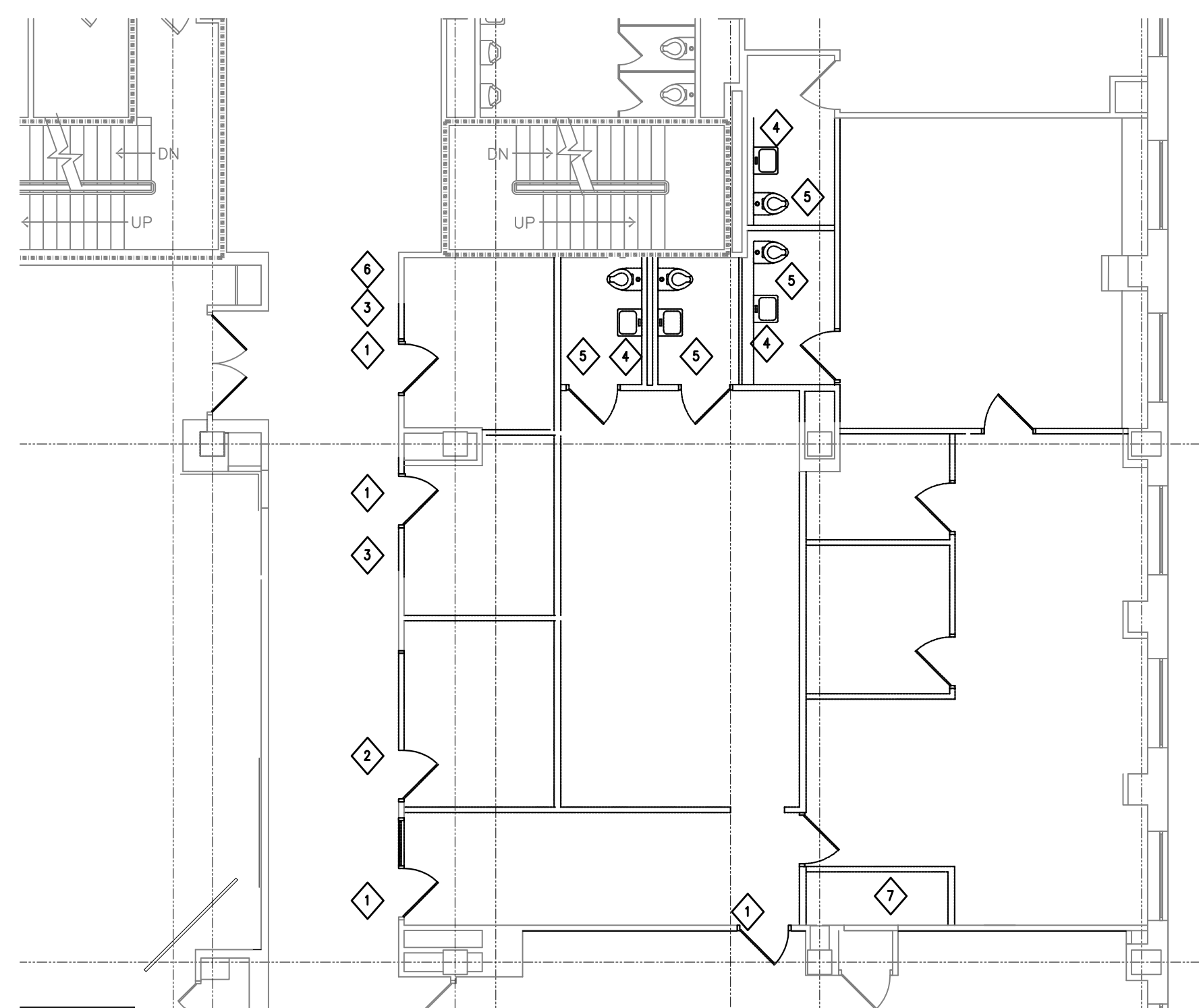
◇ DEMO RAISED PLATFORM.

GENERAL NOTES:

1. FIELD VERIFY ALL EXISTING CONDITIONS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. DEDUCT ALTERNATE BID 1: RF-1 PROCUREMENT BY OWNER FOR CONTRACTOR INSTALLATION. ALL ACCESSORIES, TRANSITION STRIPS, ADHESIVE AND FLOOR PREP REMAINS WITHIN THE CONTRACT.
3. DEDUCT ALTERNATE BID 2: ADJUST OCCUPANCY SENSORS BY OWNER. NOTE TO BIDDERS: THE SCOPE OF ALTERNATE BID 2 WAS PREVIOUSLY BID IN RFB 313093 DUE ON FEB 13, 2014 BUT WAS NOT COMPLETED.
4. EXISTING FLOOR TO FLOOR CONCRETE STRUCTURE HEIGHT IS 11'-8" ON THE THIRD FLOOR.

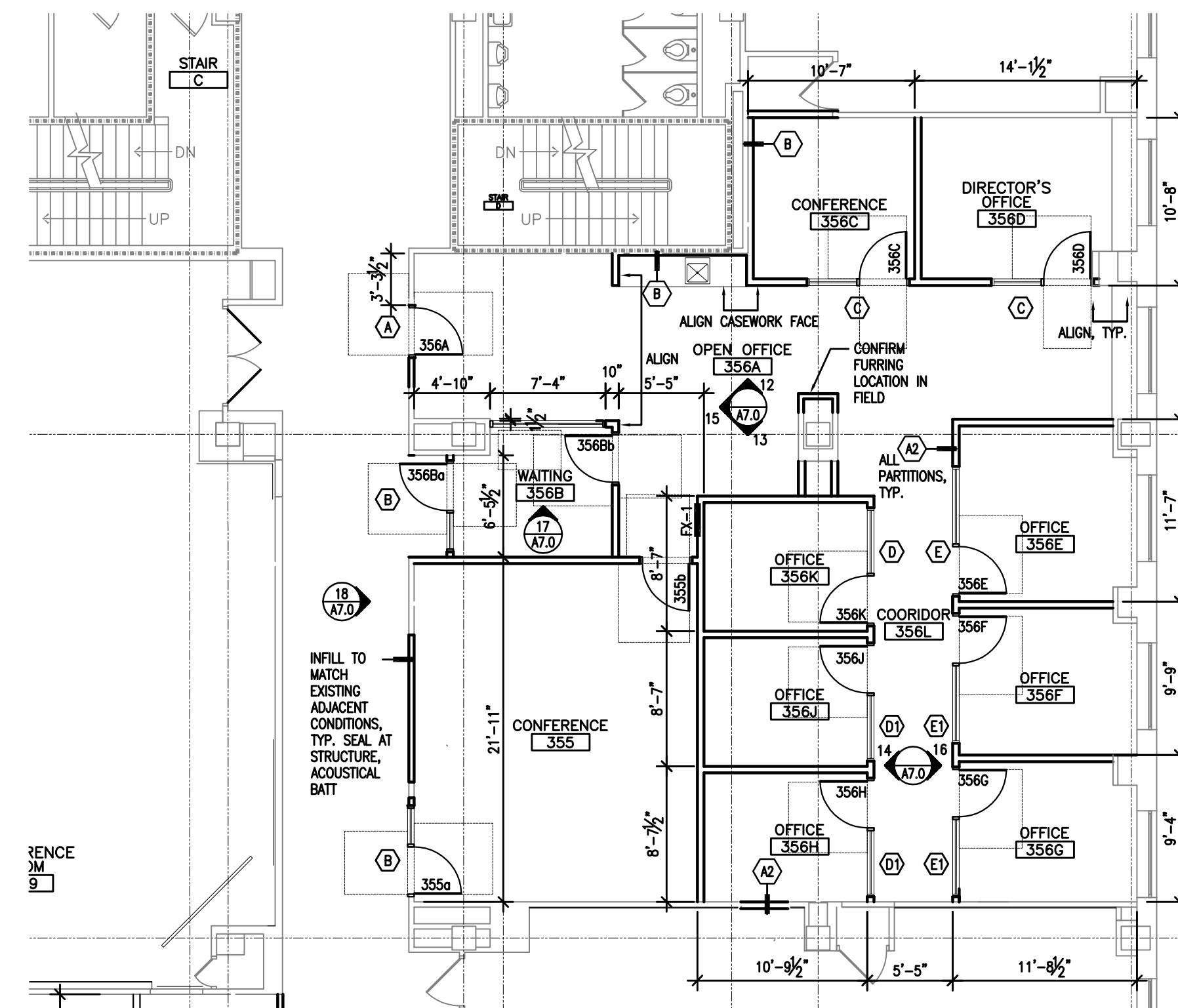
WORK BY OWNER:

1. TESTING AND BALANCING
2. DEMOLITION WORK NOTED BY OWNER ON 1A2.1.
3. OWNER FURNISHED CONTRACTOR INSTALLED ELECTRICAL FIXTURES (SEE ELECTRICAL).
4. OWNER FURNISHED CONTRACTOR INSTALLED HOLLOW METAL FRAMES, FLUSH WOOD DOORS, HARDWARE AND CARD READERS (SEE ARCHITECTURAL AND ELECTRICAL).
5. SEALANT AT EXISTING WINDOWS.
6. OWNER FURNISHED OWNER INSTALLED AV EQUIPMENT AND WHITEBOARD.

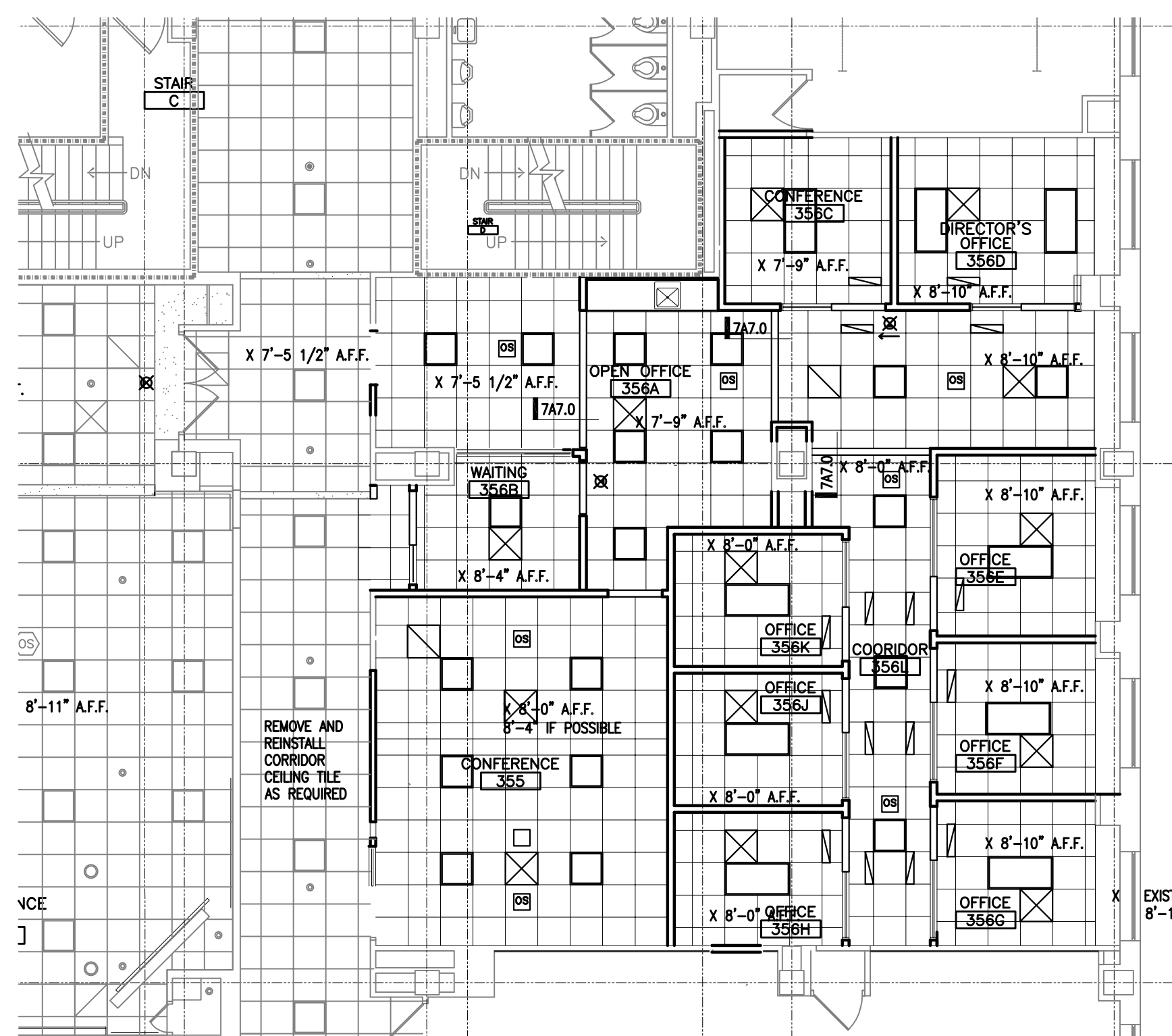


1 PARTIAL THIRD FLOOR PLAN - DEMOLITION
1/8"=1'-0"

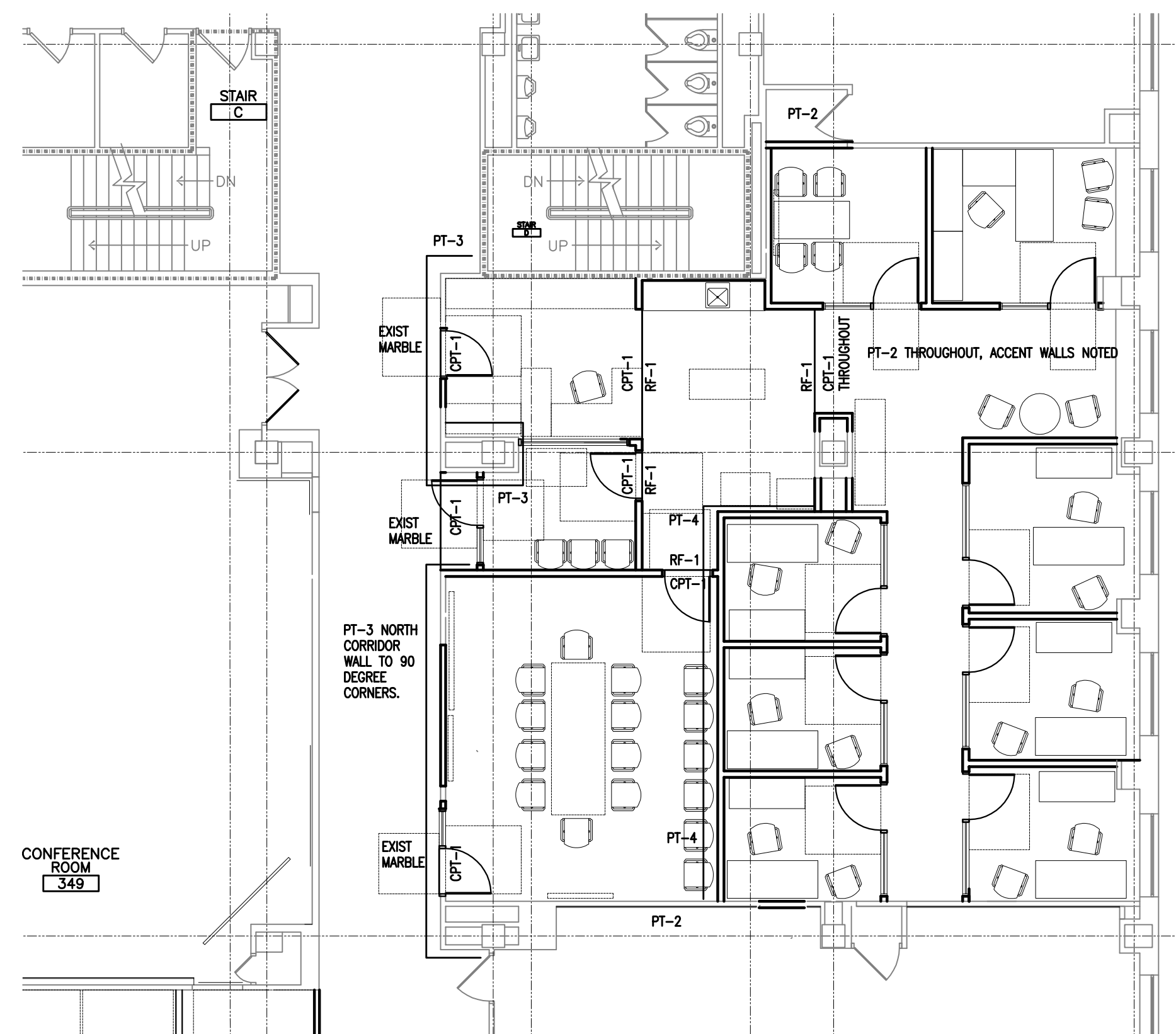
3 NOT USED
1/8"=1'-0"



2 PARTIAL THIRD FLOOR PLAN
1/8"=1'-0"



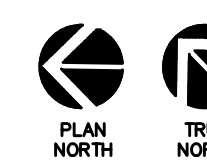
4 PARTIAL THIRD FLOOR REFLECTED CEILING PLAN
1/8"=1'-0"



6 PARTIAL THIRD FLOOR FINISH PLAN
1/8"=1'-0"

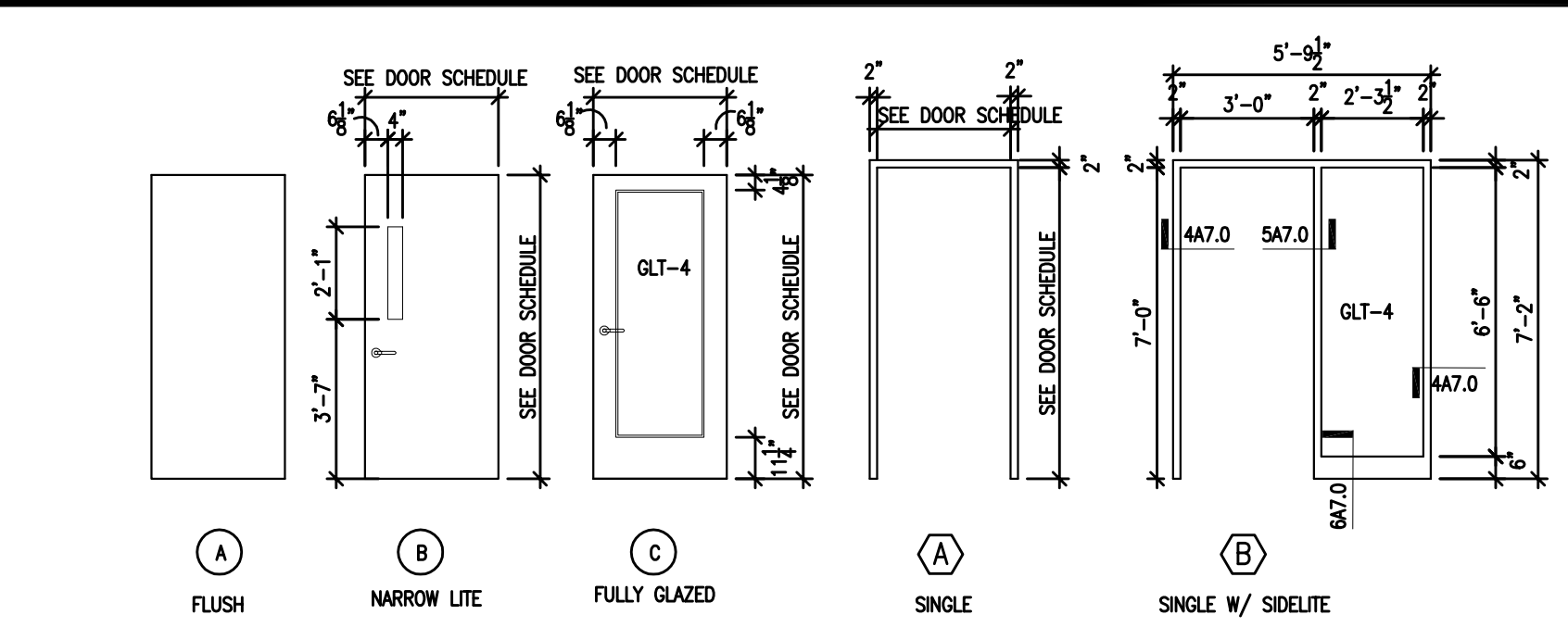
COLOR SELECTIONS:
PT-1: SW 6385 DOVER WHITE
PT-2: SW 7050 USEFUL GRAY
PT-3: TO BE SELECTED
PT-4: SW 7055 ENDURING BRONZE
HM FRAMES: SW 7069 IRON ORE

PAINT ALL GWB SOFFITS PT-1, INCLUDING EXISTING GWB SOFFITS AT EXTERIOR WINDOWS

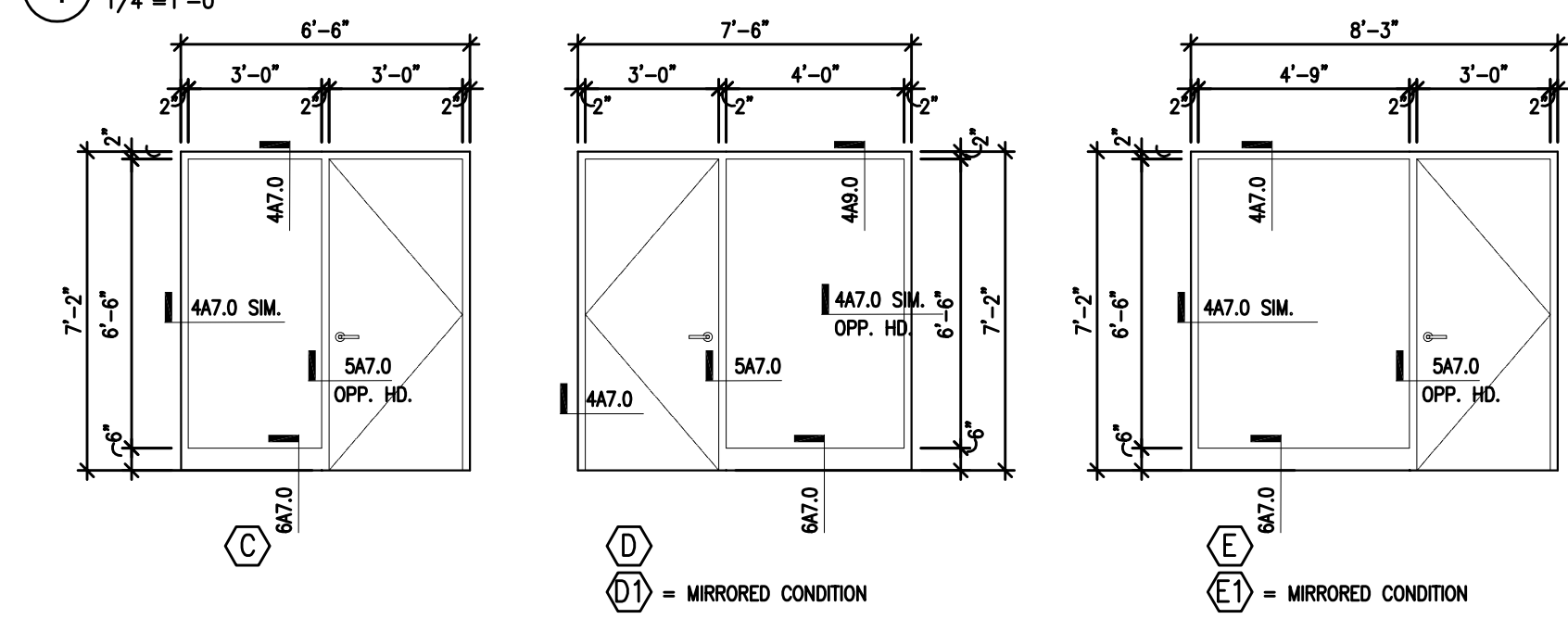


PROJECT
TENANT IMPROVEMENTS
THIRD FLOOR
OFFICE FOR EQUITY AND
INCLUSION
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

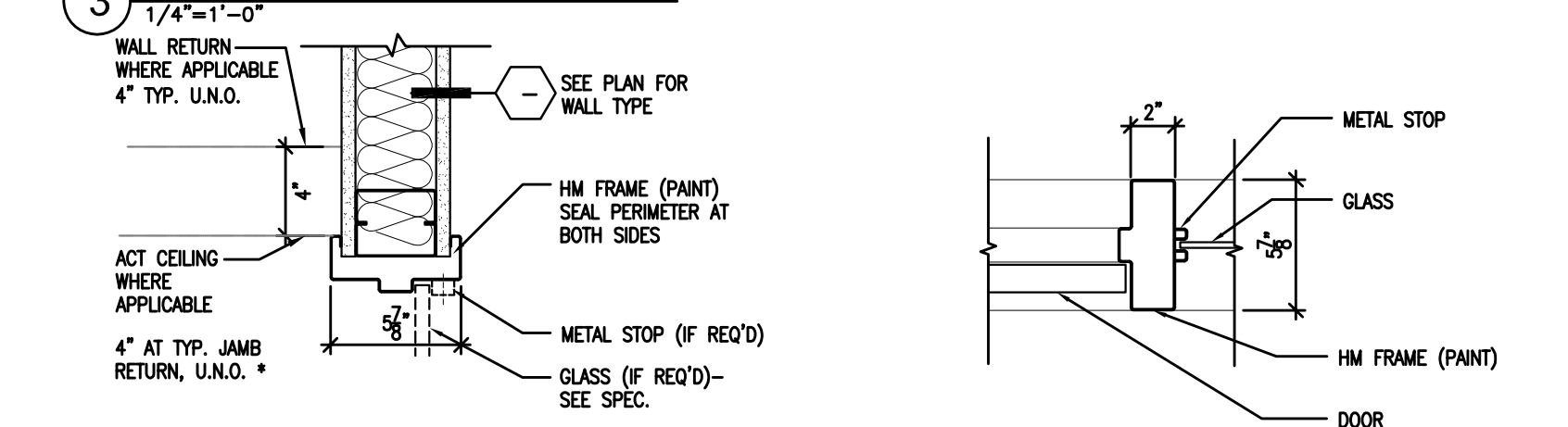
DRAWING
PARTIAL THIRD FLOOR
PLANS, REFLECTED CEILING
PLANS AND FINISH PLANS
DATE
03.28.16



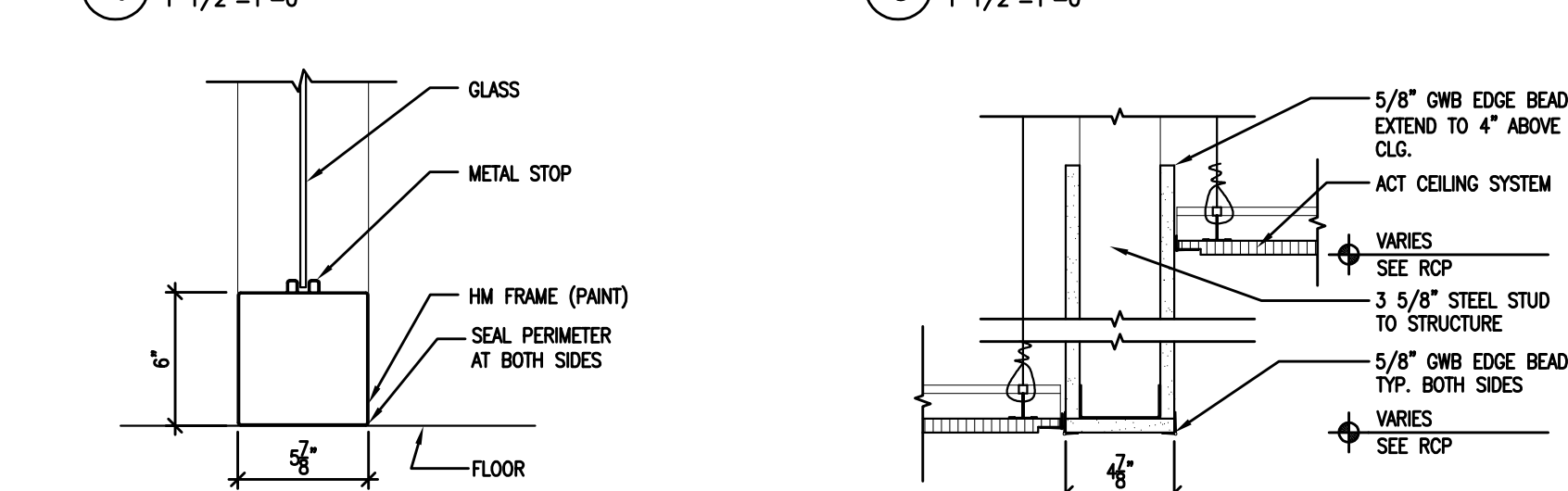
1 DOOR AND FRAME ELEVATIONS
1/4"=1'-0"



3 WINDOW ELEVATIONS
1/4"=1'-0"



4 HM DOOR JAMB/HEAD DETAIL
1/2"=1'-0"



5 HM JAMB DETAIL
1/2"=1'-0"



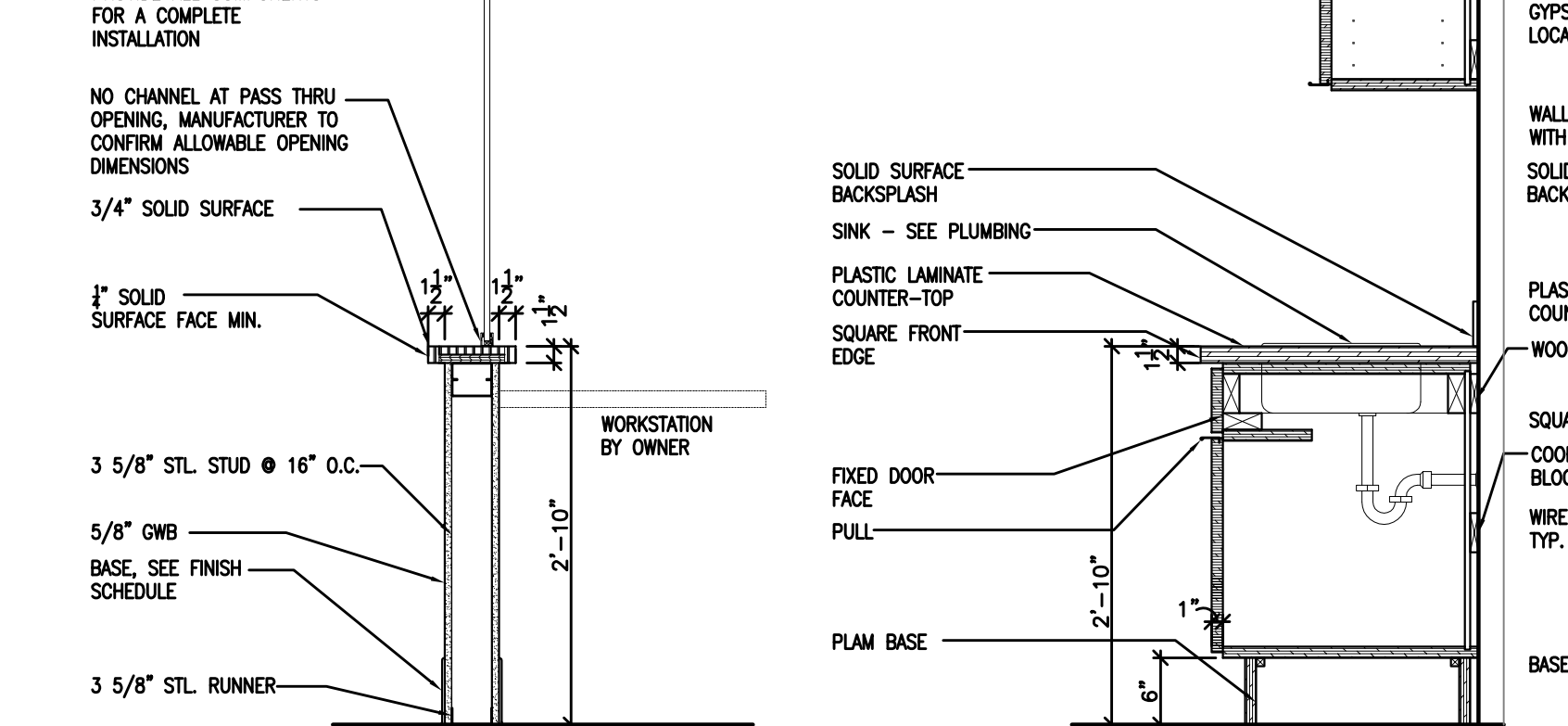
6 HM SILL DETAIL
1/2"=1'-0"



7 BULKHEAD DETAIL
1/2"=1'-0"



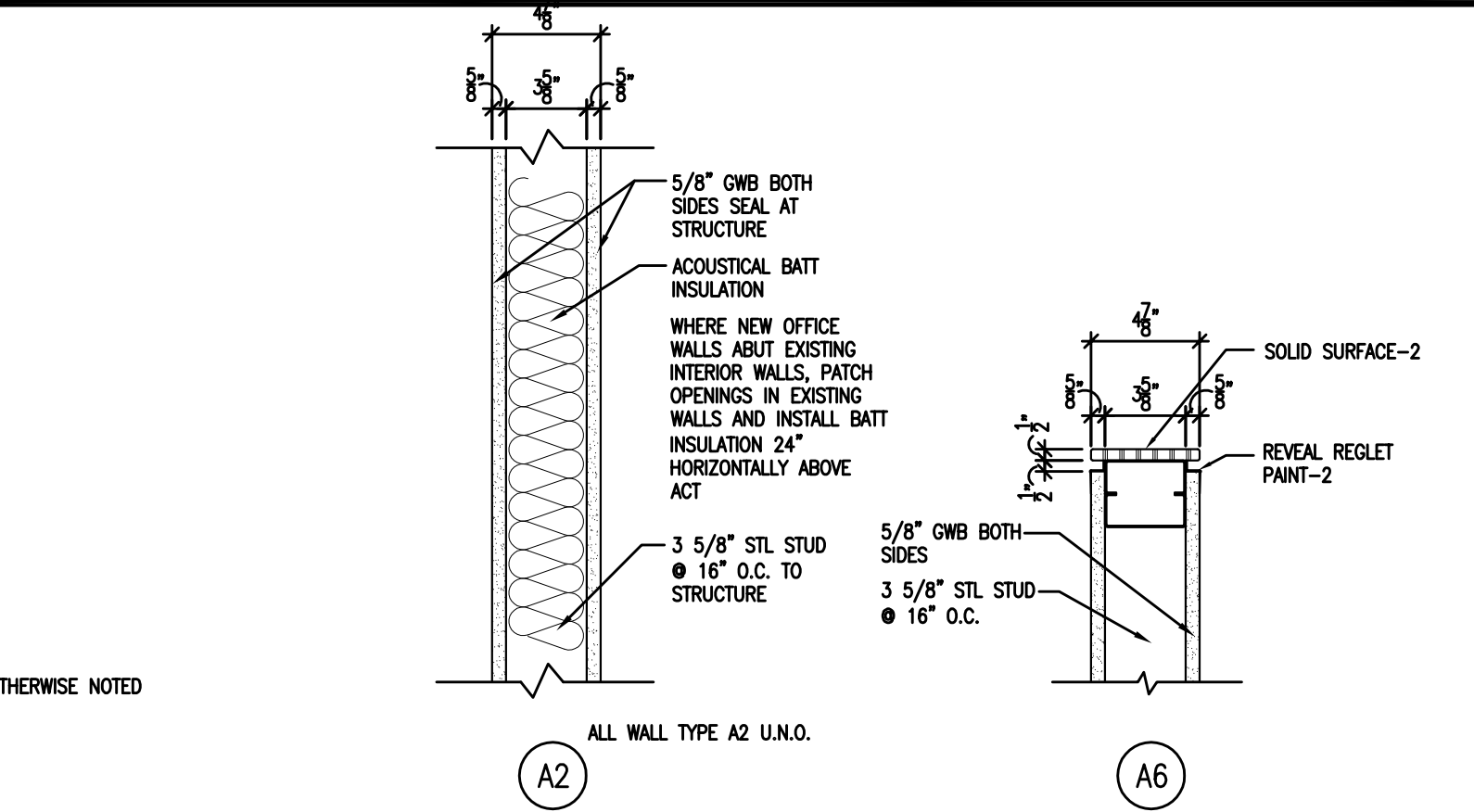
8 NOT USED
1/2"=1'-0"



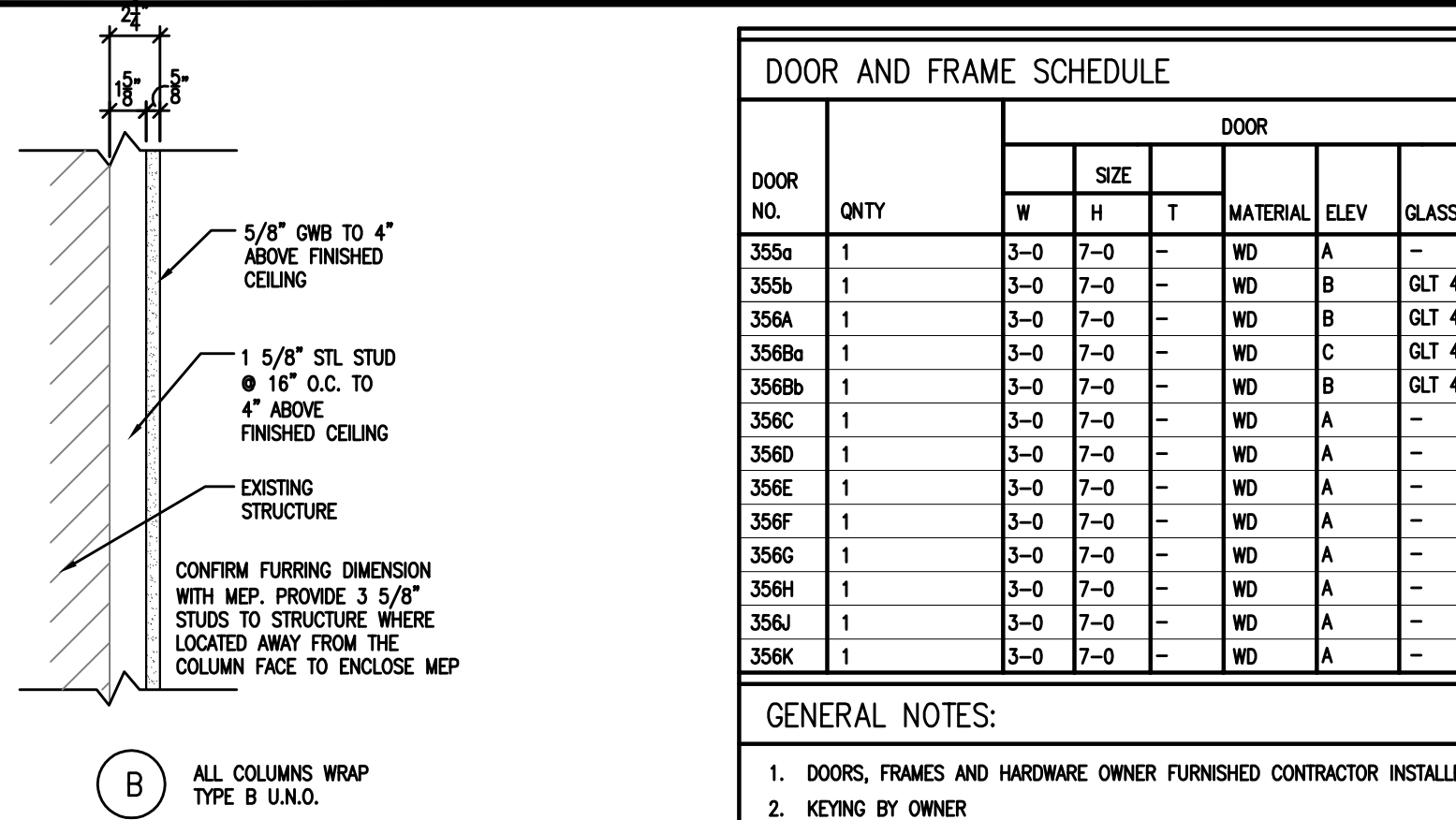
9 SECTION
3/4"=1'-0"



10 SECTION
3/4"=1'-0"



2 PARTITION TYPES
1/2"=1'-0"



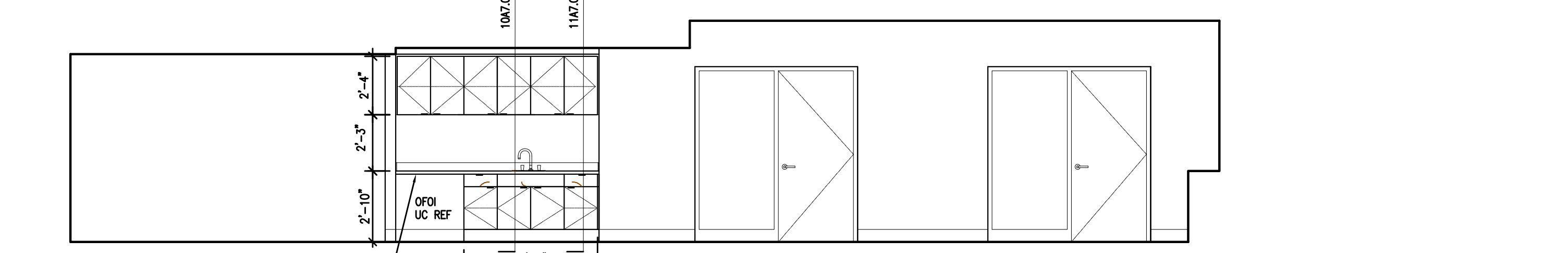
A2 ALL WALL TYPE A2 U.N.O.
A6 ALL COLUMNS WRAP TYPE B U.N.O.

DOOR NO.	QNTY	DOOR			FRAME			DETAILS			FIRE LABEL	HWR GROUP	REMARKS		
		W	H	T	MATL.	ELEV	GLASS	LOUVER OR UNDERCUT	MATL.	ELEV				HEAD	JAMB
355a	1	3-0	7-0	-	WD	A	-	HM	B3A7.0	4A7.0	4/5A7.0	6A7.0	-	10	
355b	1	3-0	7-0	-	WD	B	GLT 4	HM	AS47.0	4A7.0	4A7.0	6A7.0	-	6	
355A	1	3-0	7-0	-	WD	B	GLT 4	HM	AS47.0	4A7.0	4A7.0	6A7.0	-	7	
355Bb	1	3-0	7-0	-	WD	C	GLT 4	HM	B3A7.0	4A7.0	4/5A7.0	6A7.0	-	8	
355Bb	1	3-0	7-0	-	WD	B	GLT 4	HM	AS47.0	4A7.0	4A7.0	6A7.0	-	9	
355C	1	3-0	7-0	-	WD	A	-	HM	CS47.0	4A7.0	4/5A7.0	6A7.0	-	2	
355D	1	3-0	7-0	-	WD	A	-	HM	CS47.0	4A7.0	4/5A7.0	6A7.0	-	1	1
355E	1	3-0	7-0	-	WD	A	-	HM	ES47.0	4A7.0	4/5A7.0	6A7.0	-	1	1
355F	1	3-0	7-0	-	WD	A	-	HM	E13A7.0	4A7.0	4/5A7.0	6A7.0	-	1	1
355G	1	3-0	7-0	-	WD	A	-	HM	E13A7.0	4A7.0	4/5A7.0	6A7.0	-	1	1
355H	1	3-0	7-0	-	WD	A	-	HM	D13A7.0	4A7.0	4/5A7.0	6A7.0	-	1	1
355J	1	3-0	7-0	-	WD	A	-	HM	D13A7.0	4A7.0	4/5A7.0	6A7.0	-	1	1
355K	1	3-0	7-0	-	WD	A	-	HM	D3A7.0	4A7.0	4/5A7.0	6A7.0	-	1	1

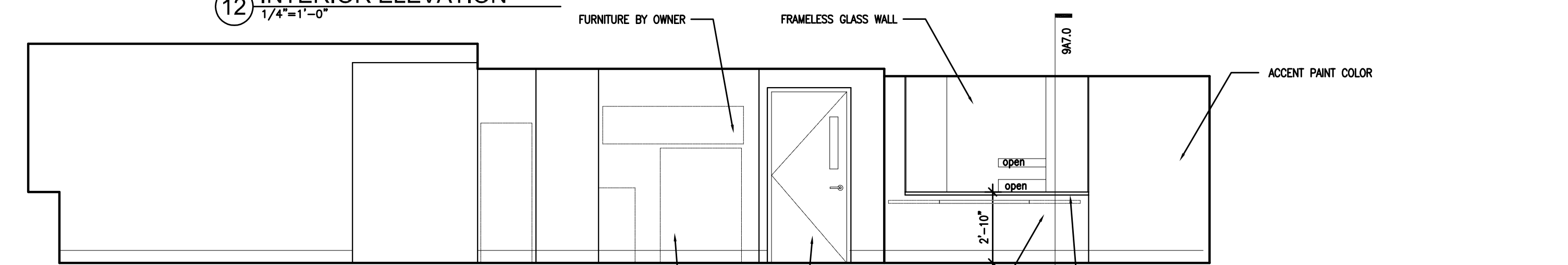
GENERAL NOTES:
1. DOORS, FRAMES AND HARDWARE OWNER FURNISHED CONTRACTOR INSTALLED
2. KEYING BY OWNER
3. PAINT HM FRAMES
4. REFER TO SHEET A7.0 FOR HOLLOW METAL FRAME ELEVATIONS.

LEGEND
AL ALUMINUM
HM HOLLOW METAL
WD WOOD
UC UNDERCUT

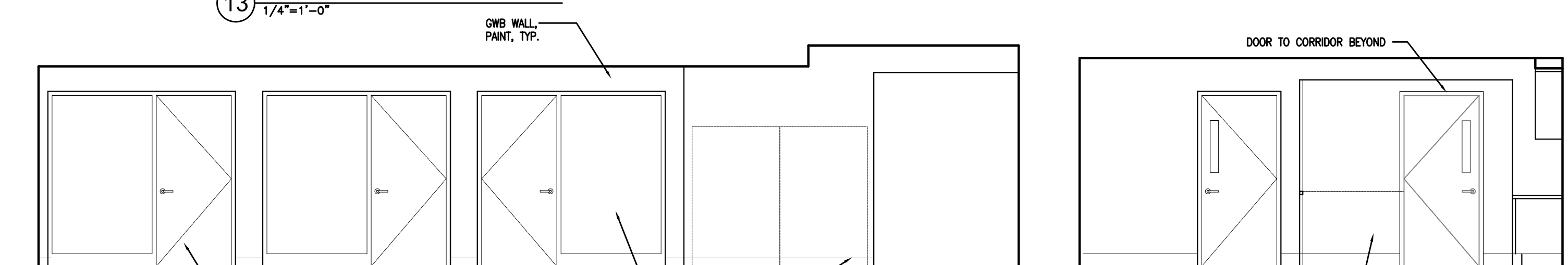
REMARKS:
1. CLOTHES/ROBE HOOK ON BACK OF OFFICE DOORS.



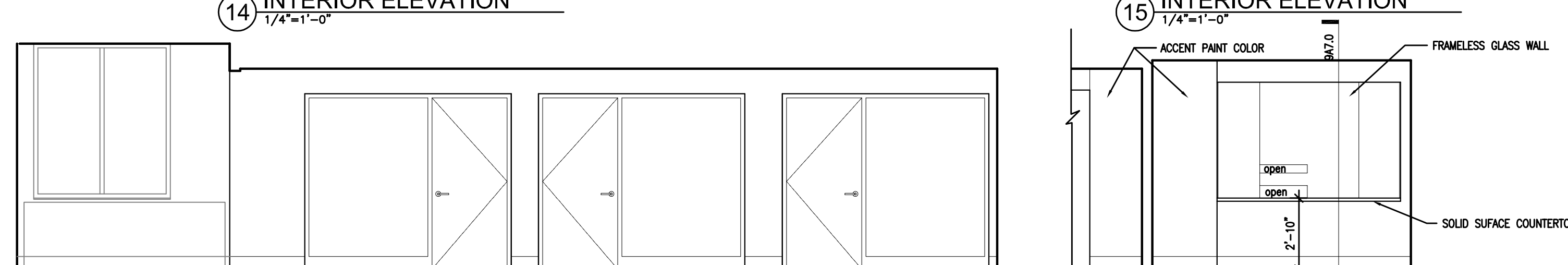
12 INTERIOR ELEVATION
1/4"=1'-0"



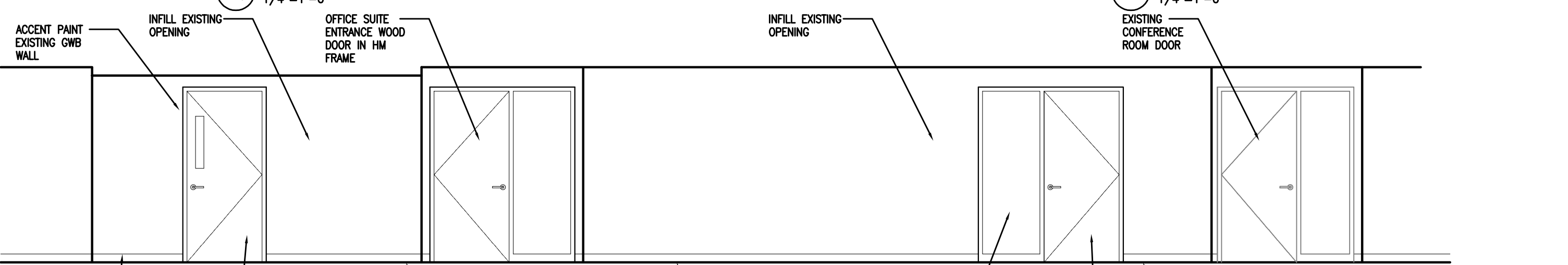
13 INTERIOR ELEVATION
1/4"=1'-0"



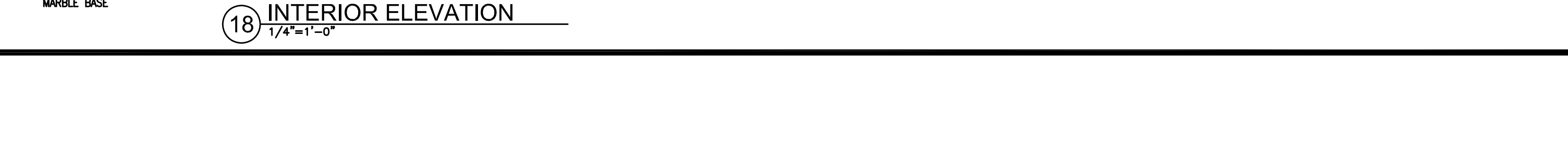
14 INTERIOR ELEVATION
1/4"=1'-0"



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

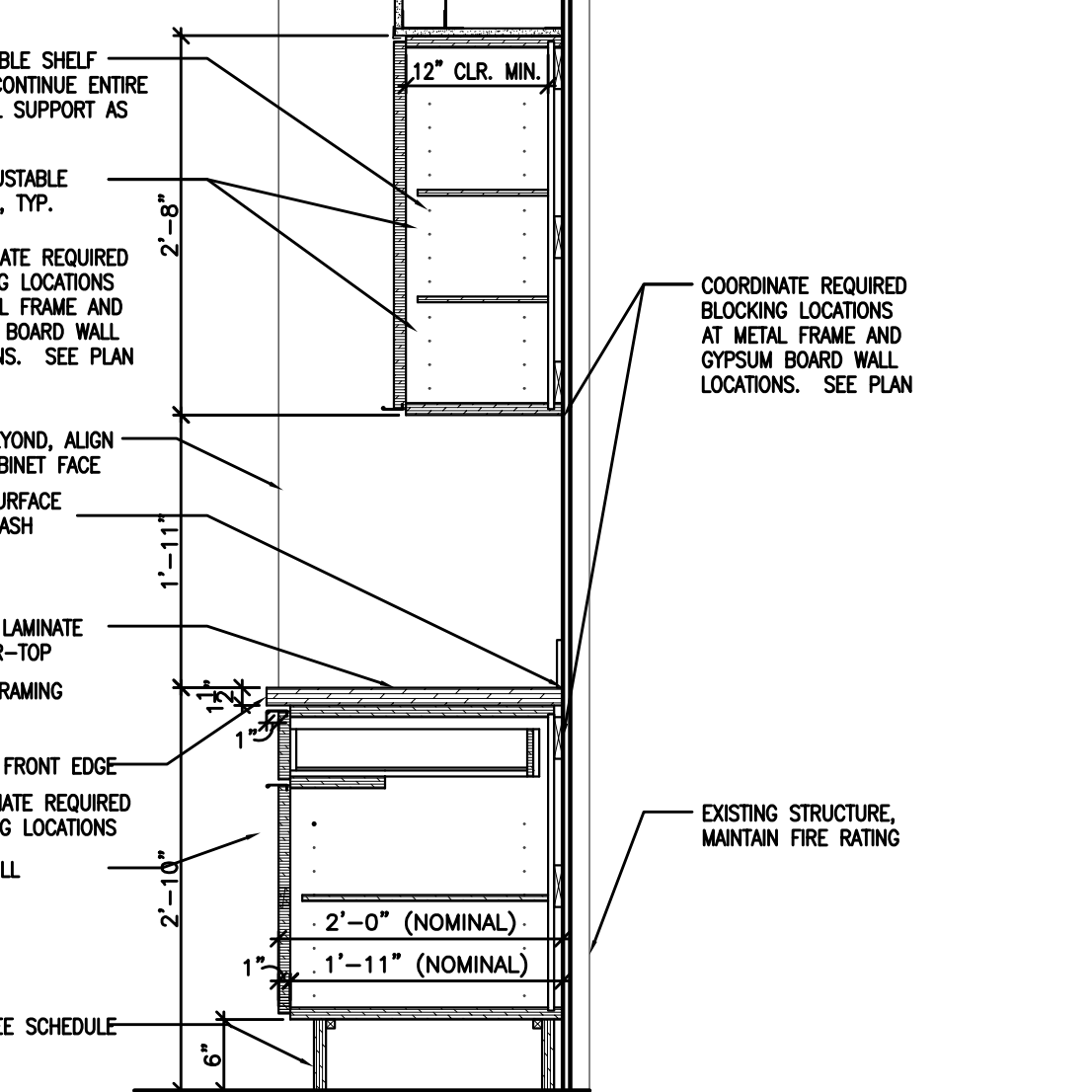


16 INTERIOR ELEVATION
1/4"=1'-0"



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

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



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

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 THIRD FLOOR DEMOLITION PLAN - FIRE PROTECTION
F2.1	PARTIAL THIRD FLOOR NEW WORK PLAN - FIRE PROTECTION

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:

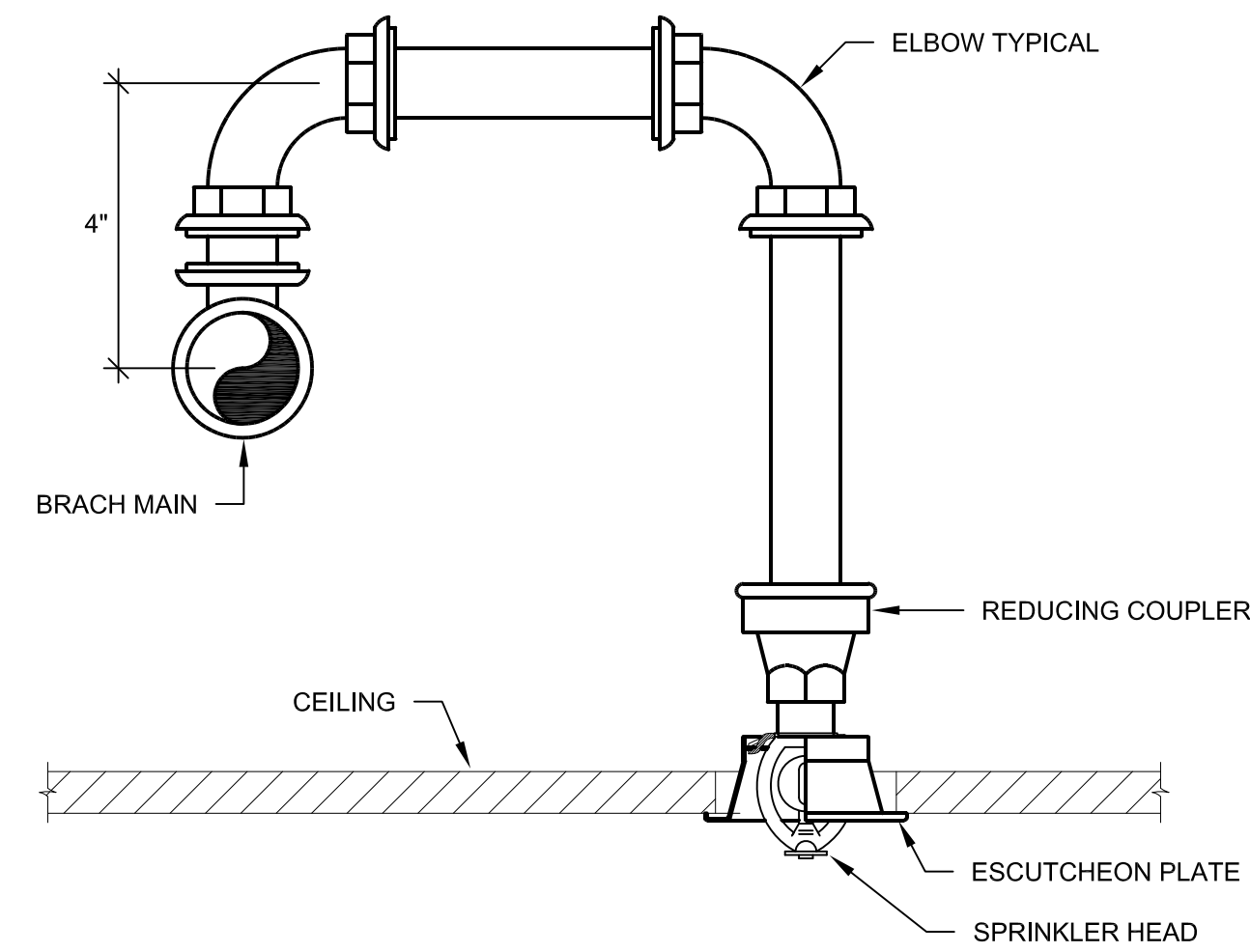
THE PROTECTION AREA ALLOTTED PER SPRINKLER SHOULD NOT EXCEED 200 SQUARE FEET WITH THE MAXIMUM DISTANCE BETWEEN LINES AND SPRINKLERS ON LINES BEING 15 FEET. THE SPRINKLERS DO NOT NEED TO BE STAGGERED.

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

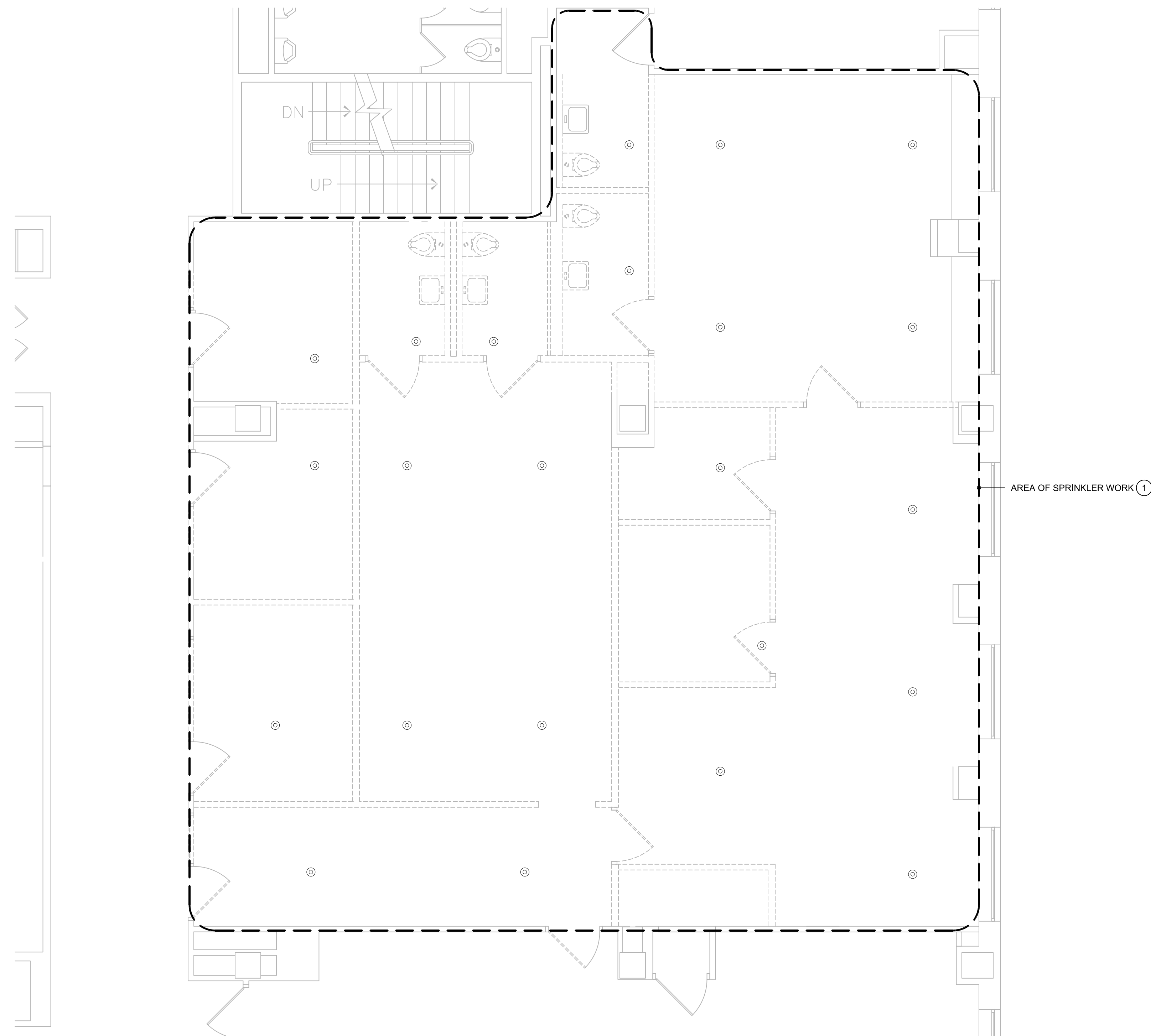
ORDINARY HAZARD OCCUPANCY:

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.



1 TYPICAL SPRINKLER HEAD INSTALLATION
F0.1 SCALE: NONE



1 PARTIAL THIRD FLOOR DEMOLITION PLAN - FIRE PROTECTION
 F1.1 SCALE: 1/8"=1'-0"



GENERAL NOTES:

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

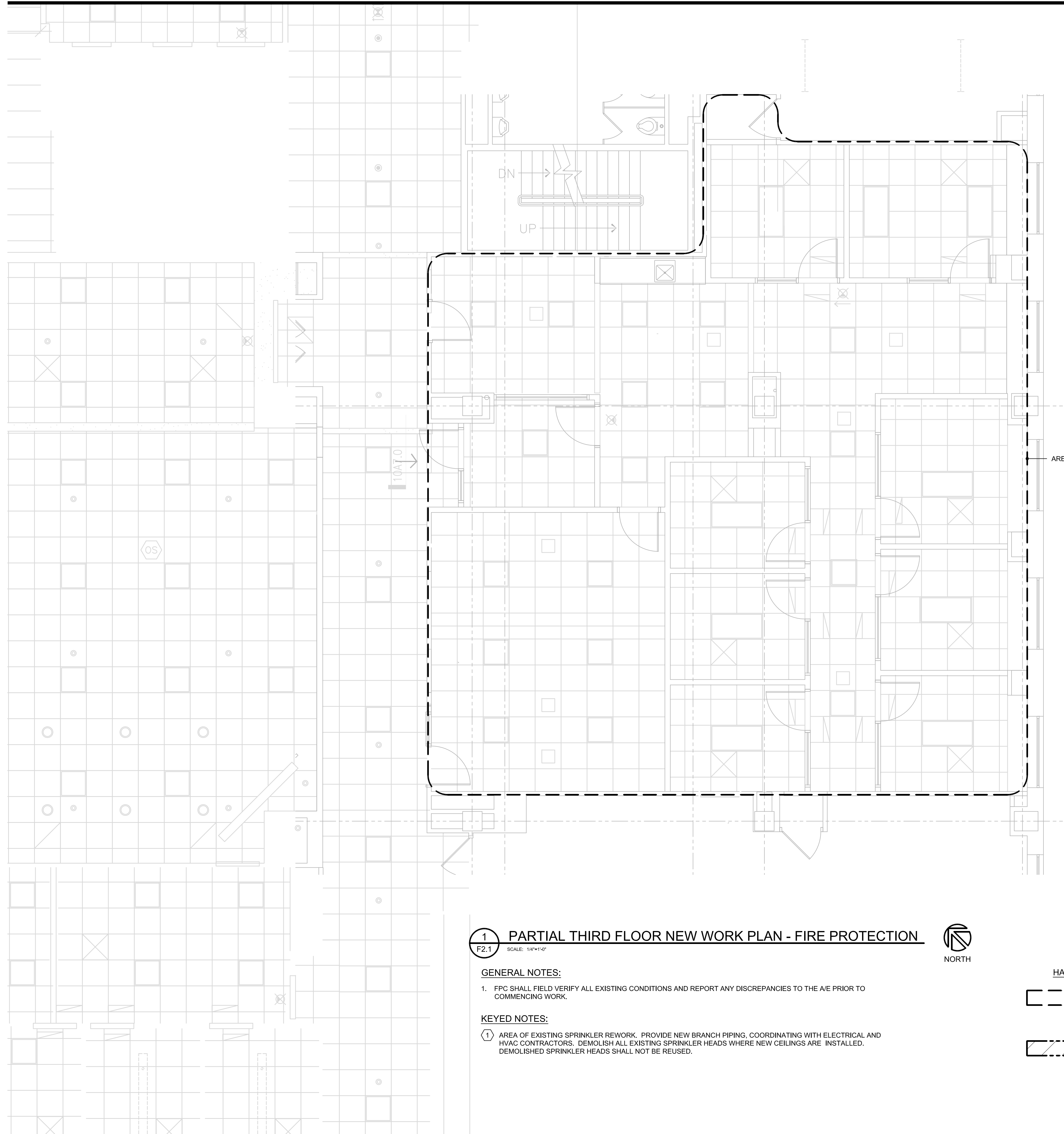
KEYED NOTES:

1. AREA OF EXISTING SPRINKLER REWORK. EXISTING SPRINKLER HEADS SHOWN FOR REFERENCE. DEMOLISH ALL EXISTING SPRINKLER HEADS AND BRANCH PIPING (BACK TO MAINS) WHERE NEW CEILINGS ARE BEING INSTALLED. DEMOLISHED SPRINKLER HEADS SHALL NOT BE REUSED.

JDR
ENGINEERING, INC.
 5325 NOBEL DRIVE
 SUITE 110
 MADISON, WI 53711
 ph:608.277.1728 fax:608.271.7046
 JDR Project No. 160053

PROJECT
 TENANT IMPROVEMENTS
 THIRD FLOOR
 OFFICE FOR EQUITY AND
 INCLUSION
 CITY-COUNTY BUILDING
 210 MARTIN LUTHER KING,
 JR. BLVD., MADISON, WI

DRAWING
 PARTIAL THIRD FLOOR
 DEMOLITION PLAN - FIRE
 PROTECTION
DATE
 03.28.16



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




GENERAL NOTES:

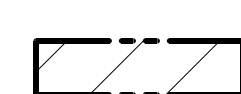
1. FPC SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE A/E PRIOR TO COMMENCING WORK.

KEYED NOTES:

1. AREA OF EXISTING SPRINKLER REWORK. PROVIDE NEW BRANCH PIPING, COORDINATING WITH ELECTRICAL AND HVAC CONTRACTORS. DEMOLISH ALL EXISTING SPRINKLER HEADS WHERE NEW CEILINGS ARE INSTALLED. DEMOLISHED SPRINKLER HEADS SHALL NOT BE REUSED.

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)

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 210 MARTIN LUTHER KING,
 JR. BLVD., MADISON, WI

DRAWING
 PARTIAL THIRD FLOOR NEW
 WORK PLAN - FIRE
 PROTECTION
DATE
 03.28.16

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		
					CW	SIZE	HW	SIZE	
S-1	SINK (ADA COMPLIANT)	2	1-1/2"	1-1/2"	1.5	1/2"	1.5	1/2"	FIXTURE: ELKAY LRAD 2219-6.5, 18 GAUGE TYPE 304 STAINLESS STEEL SINK, SELF-RIMMING, 22"x19"x6.5" DEEP, FOUR (4) FAUCET HOLES ON 4" CENTERS, ADA COMPLIANT. 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. 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. 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. TRAP & DRAIN: CHROME PLATED CAST BRASS P-TRAP, WITH GRID STRAINER DRAIN. SINK FAUCET STOPS & SUPPLIES: MCGUIRE H2167LK, LOOSE KEY QUARTER TURN ANGLE STOPS WITH CHROME PLATED ESCUTCHEONS & CHROME PLATED COPPER RISER SUPPLIES.

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

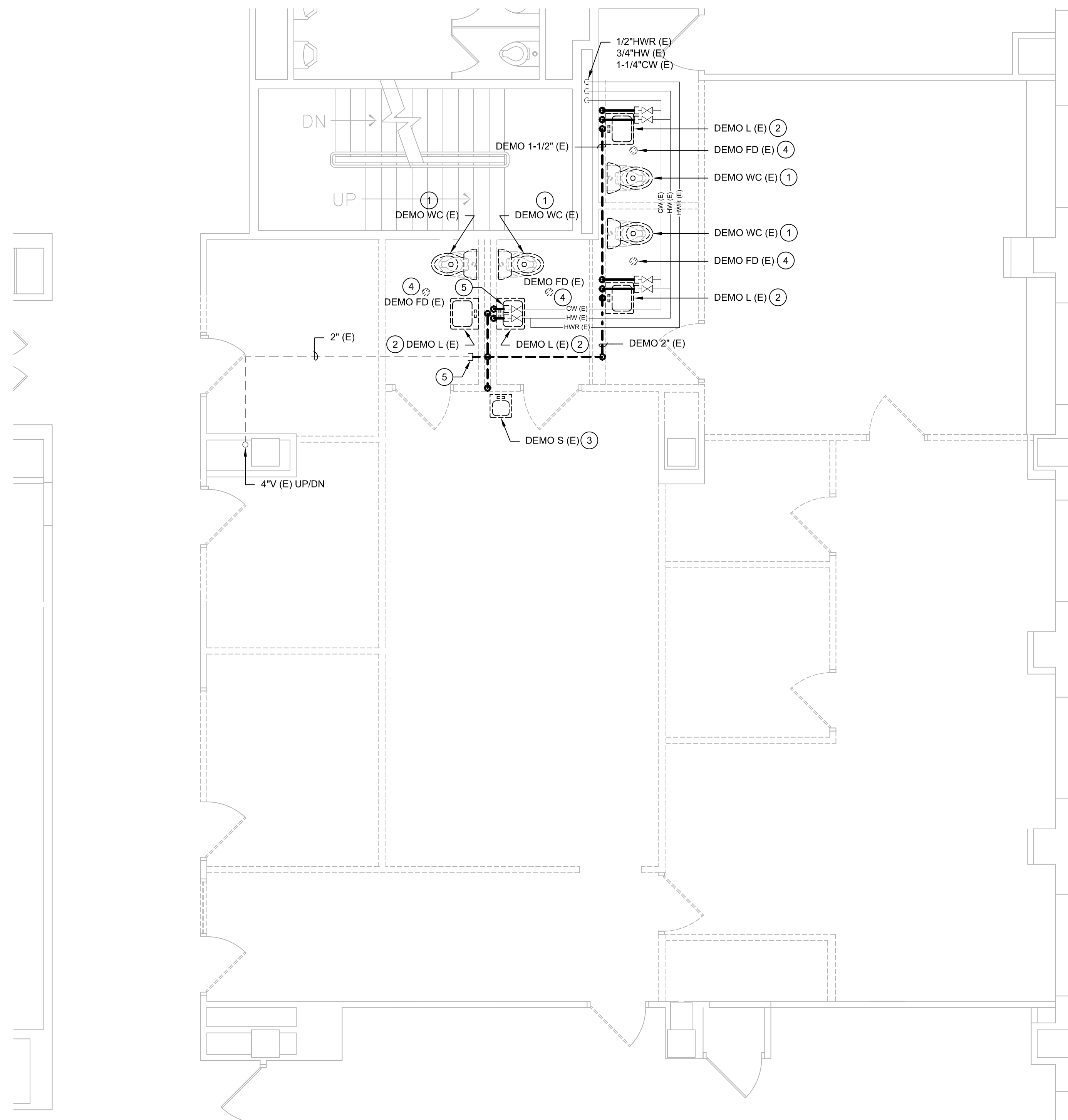
ABBREVIATIONS

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

PLUMBING SHEET INDEX

P1.0	SYMBOLS, ABBREVIATIONS AND SCHEDULES - PLUMBING
P1.1	PARTIAL THIRD FLOOR DEMOLITION PLAN - PLUMBING
P2.1	PARTIAL THIRD FLOOR NEW WORK PLAN - PLUMBING

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1 PARTIAL THIRD FLOOR DEMOLITION PLAN - PLUMBING
P1.1 SCALE: 1/4"=1'-0"

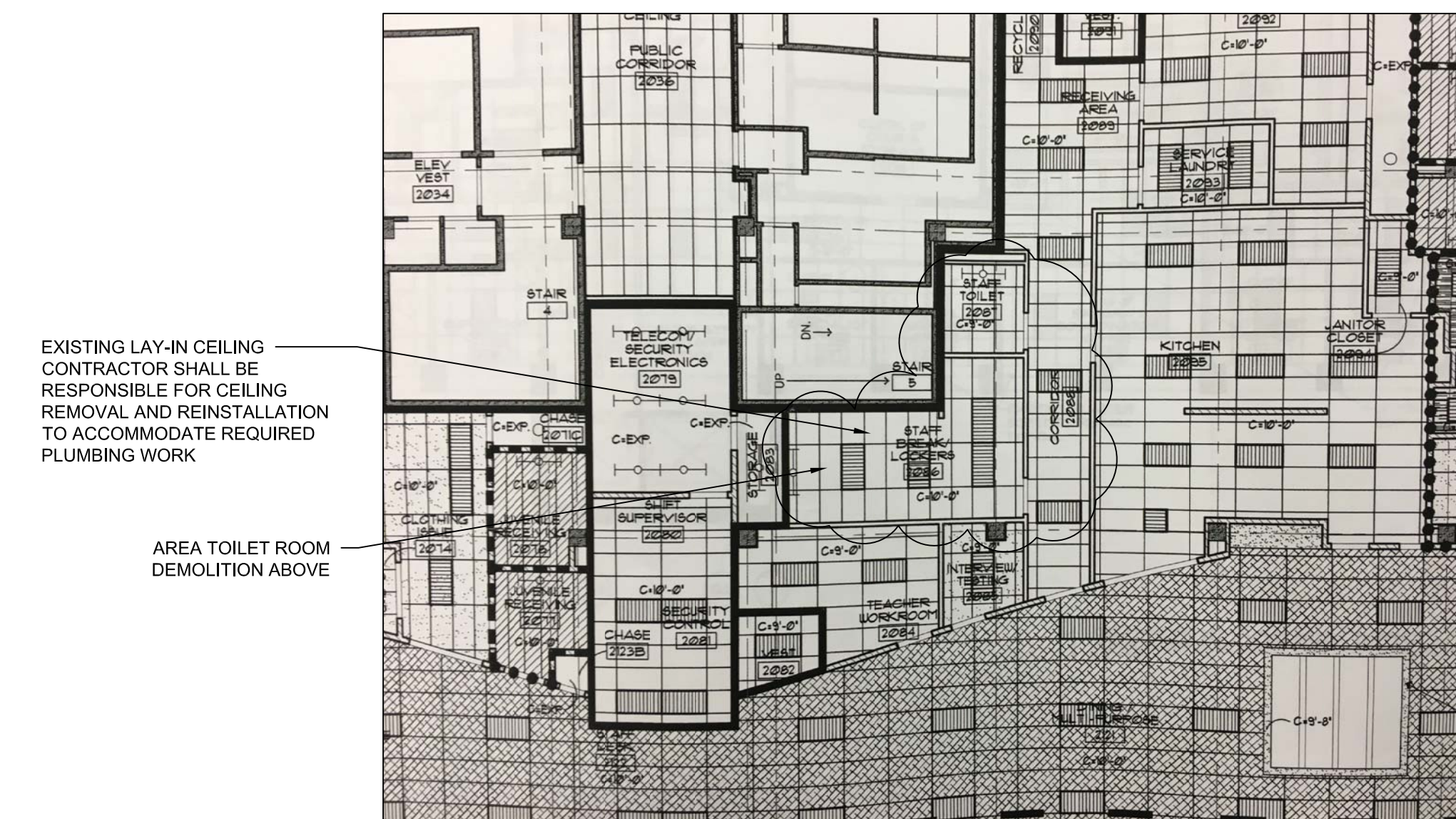


GENERAL NOTES:

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 DEMOLISH EXISTING WATER CLOSET COMPLETE. DEMOLISH EXISTING WASTE BELOW FLOOR AND CAP AT NEAREST ACTIVE MAIN. PATCH ALL HOLES THROUGH FLOOR TO MATCH EXISTING.
- ② DEMOLISH EXISTING LAVATORY COMPLETE. DEMOLISH EXISTING WASTE BELOW FLOOR AND CAP AT NEAREST ACTIVE MAIN. PATCH ALL HOLES THROUGH FLOOR TO MATCH EXISTING.
- ③ DEMOLISH EXISTING SINK COMPLETE. DEMOLISH EXISTING WASTE BELOW FLOOR AND CAP AT NEAREST ACTIVE MAIN. PATCH ALL HOLES THROUGH FLOOR TO MATCH EXISTING.
- ④ DEMOLISH EXISTING FLOOR DRAIN COMPLETE. DEMOLISH EXISTING WASTE BELOW FLOOR AND CAP AT NEAREST ACTIVE MAIN. PATCH FLOOR TO MATCH EXISTING.
- ⑤ TEMPORARILY CAP EXISTING WATER AND VENT PIPING IN CEILING AND EXTEND TO NEW SINK. REFER TO P2.1 FOR NEW SINK LOCATION.

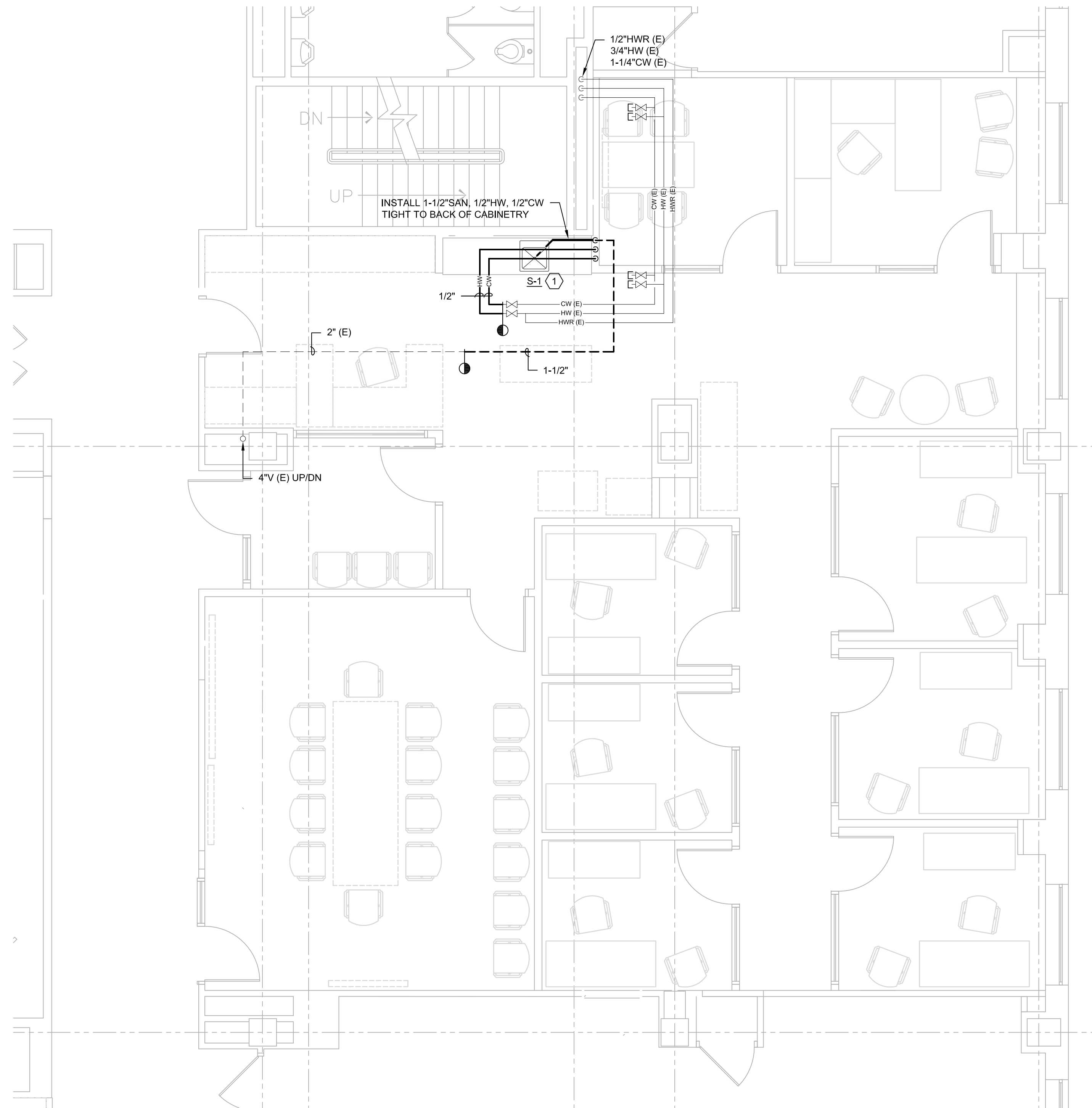


2 PARTIAL SECOND FLOOR REFLECTED CEILING PLAN - IMAGE
P1.1 SCALE: NO SCALE

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DRAWING
PARTIAL THIRD FLOOR
DEMOLITION PLAN -
PLUMBING
DATE
03.28.16



1 PARTIAL THIRD FLOOR NEW WORK PLAN - PLUMBING
P2.1 SCALE: 1/4"=1'-0"



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) EXTEND EXISTING WATER, VENT, AND WASTE TO NEW SINK. INSTALL 1-1/2" SAN THROUGH FLOOR AND CONNECT TO EXISTING SANITARY WASTE IN CEILING BELOW. CONNECT NEW 1/2"HW/CW AND 1-1/2" VENT TO EXISTING SERVICES IN CEILING.

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DRAWING
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WORK PLAN - PLUMBING

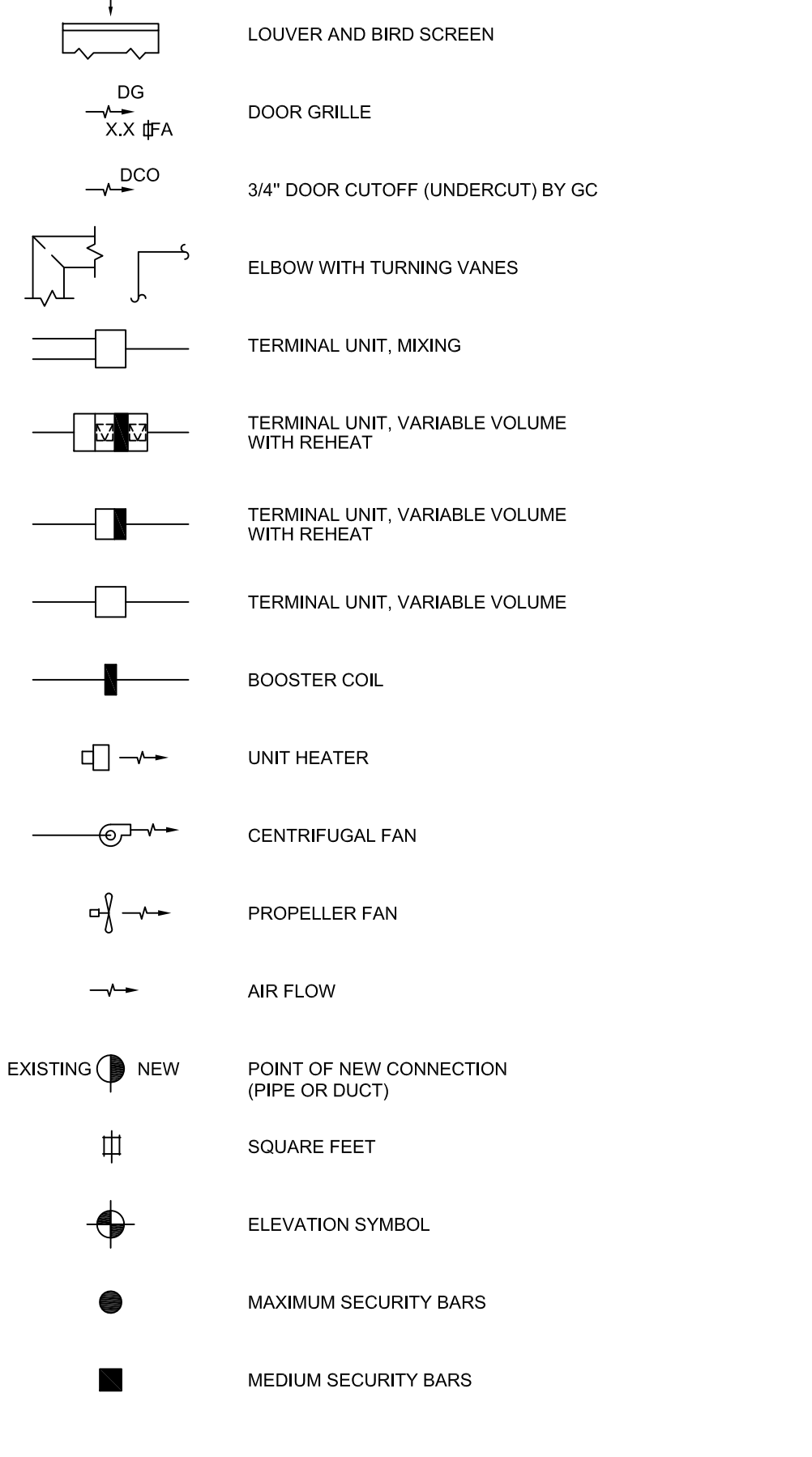
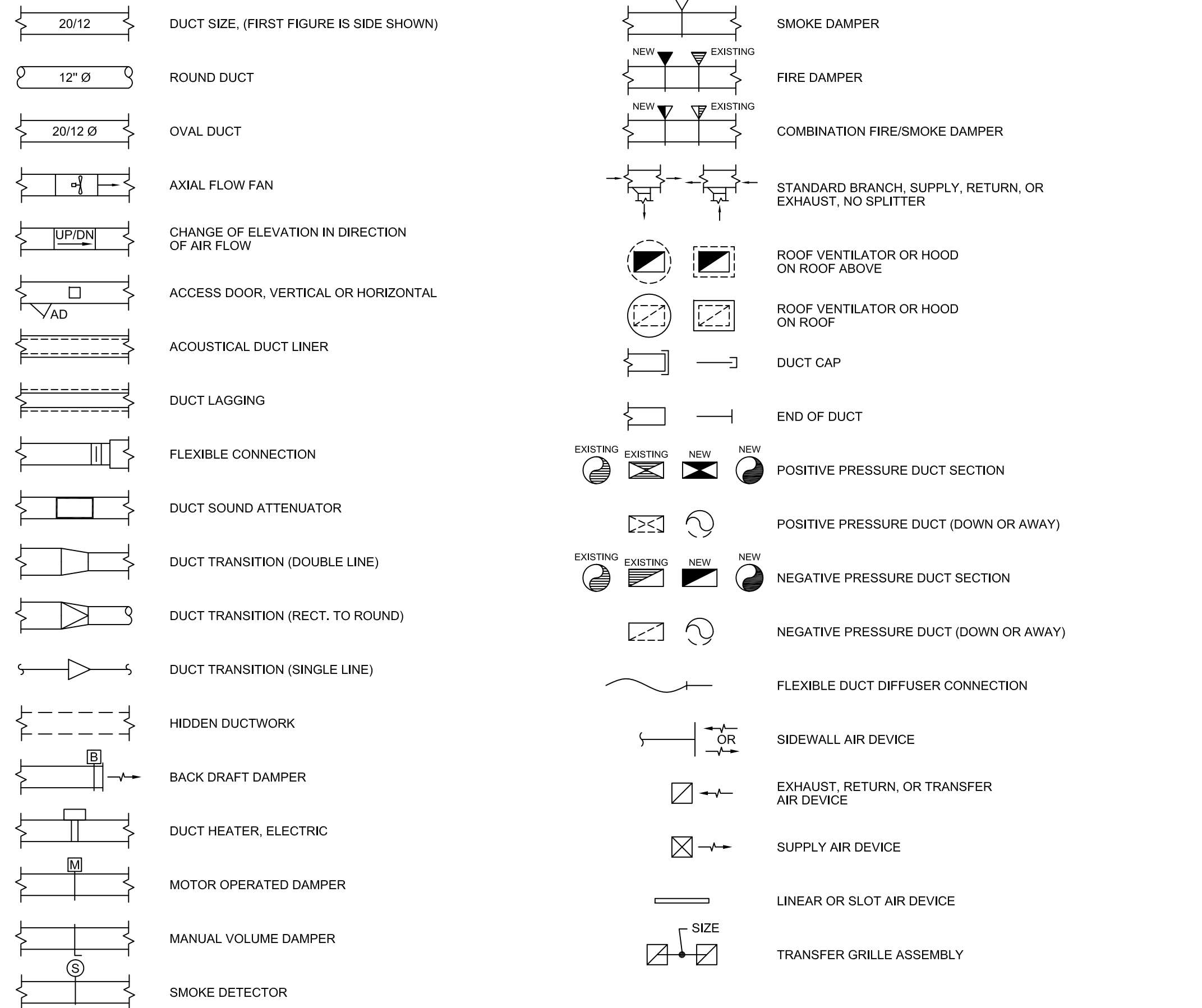
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P2.1

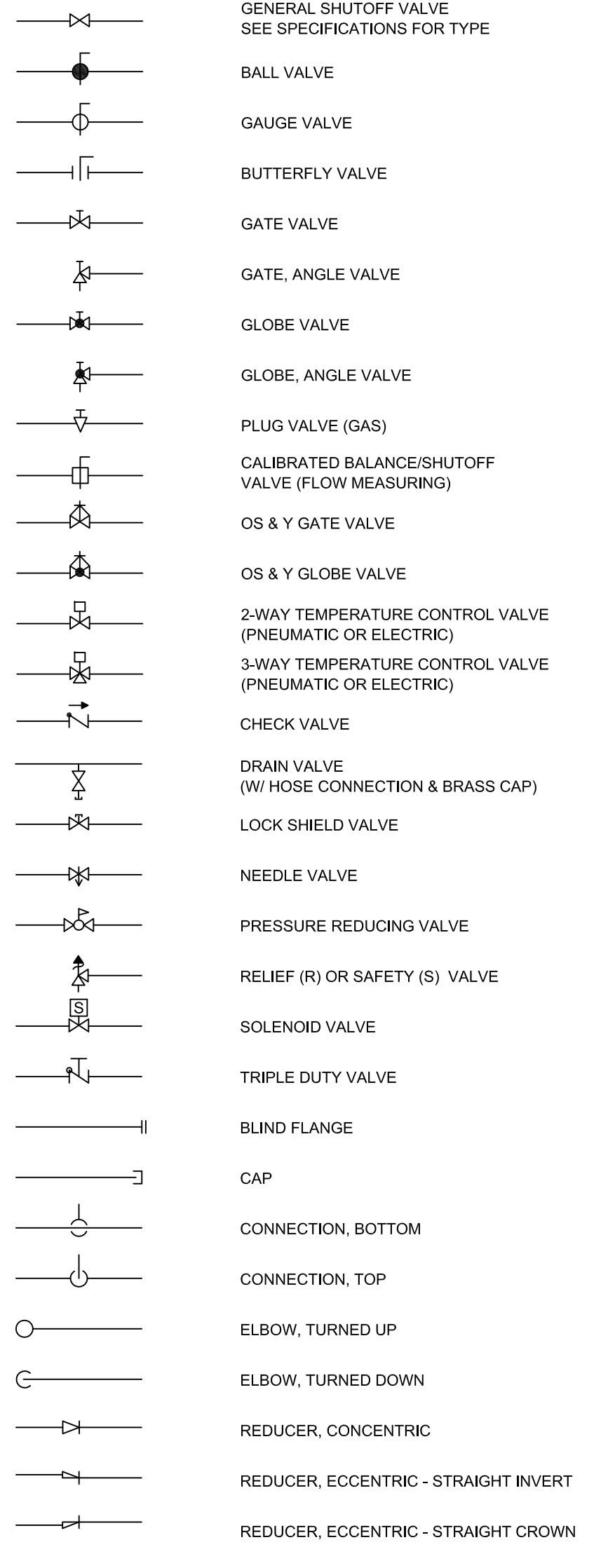
ABBREVIATIONS

A	COMPRESSED AIR	E	EXISTING	HWY	HIGHWAY	RS	REFRIGERANT SUCTION
ACC	AIR COOLED CONDENSER	EAT	ENTERING AIR TEMPERATURE	HX	HEAT EXCHANGER	RR	RETURN REGISTER
ACCU	AIR COOLED CONDENSING UNIT	EC	ELECTRICAL CONTRACTOR	HYD	HYDRANT	RTU	ROOF TOP UNIT
ACU	AIR CONDITIONING UNIT	EF	EXHAUST FAN	HZ	HERTZ	S	SUPPLY
AD	ACCESS DOOR	EER	ENERGY EFFICIENCY RATIO	IH	INTAKE HOOD	SA	SUPPLY AIR
ADJ	ADJUSTABLE	EFBP	EXTERNAL FACE & BYPASS	IPBP	INTERNAL FACE & BYPASS	SCR	SILICONE CONTROLLED RECTIFIERS
AE	ARCHITECT/ENGINEER	EG	EXHAUST GRILLE	IN	INCH	SD	SLOT DIFFUSER
AF	AIR FOIL	EJ	EXPANSION JOINT	INV	INVERT	SEER	SEASONAL ENERGY EFFICIENCY RATIO
AFF	ABOVE FINISHED FLOOR	EL	ELEVATION	INLV	INTEGRATED PART LOAD VALUE	SEG	SECURITY EXHAUST GRILLE
AFMS	AIR FLOW MEASURING STATION	ELEC	ELECTRICAL	JWR	JACKET WATER RETURN	SF	SUPPLY FAN
AHU	AIR HANDLING UNIT	EQUIP	EQUIPMENT	JWS	JACKET WATER SUPPLY	SG	SUPPLY GRILLE
AL	ALUMINUM	ER	EXHAUST REGISTER	KW	KILOWATT	SM	SHEET METAL
AMP	AMPERE	ERV	ENERGY RECOVERY UNIT	LAT	LEAVING AIR TEMPERATURE	SQ FT	SQUARE FEET
AP	ACCESS PANEL	ET	EXPANSION TANK	LBS	POUNDS	SR	SUPPLY REGISTER
APD	AIR PRESSURE DROP	ETR	EXISTING TO REMAIN	LD	LINEAR DIFFUSER	SRG	SECURITY RETURN GRILLE
ASC	ABOVE SUSPENDED CEILING	EWH	ELECTRIC WALL HEATER	LPC	LOW PRESSURE CONDENSATE	SRV	SAFETY RELIEF VALVE
ATR	AIR TROFFER - RETURN	EWT	ENTERING WATER TEMPERATURE	LPS	LOW PRESSURE STEAM	SS	STAINLESS STEEL
ATS	AIR TROFFER - SUPPLY	EXH	EXHAUST	LR	LINEAR RETURN	SSG	SECURITY SUPPLY GRILLE
AUTO	AUTOMATIC	EXT	EXTERIOR OR EXTERNAL	LT	LIGHT TROFFER	STG	SECURITY TRANSFER GRILLE
B	BOILER	F	FURNACE	LW	LEAVING WATER TEMPERATURE	SWD	SINGLE WALL DUCTWORK
BB	BASEBOARD	F	FAHRENHEIT	LWT	LEAVING WATER TEMPERATURE	SWSI	SINGLE WIDTH SINGLE INLET
BC	BOOSTER COIL	F&B	FACE & BYPASS	M	MOTOR OPERATED DAMPER	T	THERMOSTAT/TEMPERATURE SENSOR
BCU	BLOWER COIL UNIT	F&T	FLOAT & THERMOSTAT TRAP	MA	MIXED AIR	TA	THROWAWAY
BDD	BACK DRAFT DAMPER	FA	FREE AREA	MAT	MIXED AIR TEMPERATURE	TCAC	TEMPERATURE CONTROL AIR COMPRESSOR
BFP	BACKFLOW PREVENTER	FC	FORWARD CURVED	MA	MIXED AIR	TCC	TEMPERATURE CONTROL CONTRACTOR
BHP	BRAKE HORSEPOWER	FCU	FAN COIL UNIT	MAU	MAKE-UP AIR UNIT	TCF	TEMPERATURE CONTROL PANEL
BI	BACKWARD INCLINED	FD	FLOOR DRAIN OR FIRE DAMPER	MAX	MAXIMUM	TCV	TEMPERATURE CONTROL VALVE
BLDG	BUILDING	FFA	FROM FLOOR ABOVE	MBH	1000 BRITISH THERMAL UNITS/HOUR	TEMP	TEMPORARY
BOD	BOTTOM OF DUCT	FFB	FROM FLOOR BELOW	MCA	MINIMUM CIRCUIT AMPS	TF	TRANSFER FAN
BOP	BOTTOM OF PIPE	FILL	FILL LINE	MCC	MINIMUM LOAD AMPS	TFA	TO FLOOR ABOVE
BOS	BOTTOM OF STRUCTURE	FLA	FULL LOAD AMPS	MCC	MOTOR CONTROL CENTER	TFB	TO FLOOR BELOW
BR	BRINE RETURN	FLEX	FLEXIBLE	MECH	MECHANICAL	TG	TRANSFER GRILLE
BRG	BEARING	FM	FLOW METER	MEZZ	MEZZANINE	TO	TEST OPENINGS
BS	BRINE SUPPLY	FOO	FUEL OIL OVERFLOW	MFS	MAXIMUM FUSE SIZE	TS	TIP SPEED
BSMT	BASEMENT	FOR	FUEL OIL RETURN	MH	MANHOLE	TYP	TYPICAL
BTU	BRITISH THERMAL UNIT	FOS	FUEL OIL SUPPLY	MIN	MINIMUM	UH	UNIT HEATER
C	CONNECTOR	FOV	FUEL OIL VENT	MOC	MAXIMUM OVERCURRENT PROTECTION	UST	UNDERGROUND STORAGE TANK
CA	COMBUSTION AIR	FPC	FIRE PROTECTION CONTRACTOR	MTD	MOUNTED	UV	UNIT VENTILATOR
CAB	CABINET	FPM	FEET PER MINUTE	MUA	MAKE-UP AIR UNIT	UNEX	UNEXCAVATED
CC	COILING COIL CONDENSATE	FS	FLOW SWITCH	NC	NOISE CRITERIA	V	VENT
CD	CEILING DIFFUSER	FT	FOOT OR FEET	NC	NORMALLY CLOSED	VAC	VACUUM
CF	CEILING (DESTRATIFICATION) FAN	G	GAS	NO	NORMALLY OPEN	VAV	VARIABLE AIR VOLUME
CFM	CUBIC FEET PER MINUTE	GA	GAUGE	NPLV	NOMINAL PART LOAD VALUE	VB	VACUUM BREAKER
CH	CHILLER	GAL	GALLON	NTS	NOT TO SCALE	VD	VOLUME DAMPER
CWR	CHILLED WATER RETURN	GALV	GALVANIZED	O	OXYGEN	VDT	VERTICAL DRAW THRU
CWS	CHILLED WATER SUPPLY	GC	GENERAL CONTRACTOR	OA	OUTDOOR AIR	VEL	VELOCITY
CI	CAST IRON OR CUBIC INCH	GLYR	GLYCOL RETURN	OAT	OUTDOOR AIR TEMPERATURE	VERT	VERTICAL
CL	CENTERLINE	GLYS	GLYCOL SUPPLY	OC	ON CENTER	VFD	VARIABLE FREQUENCY DRIVE
CLG	CEILING	GRH	GAS FIRED RADIANT HEAT	OPD	OPPOSED BLADE DAMPER	W TO W	WALL TO WALL
CMU	CONCRETE MASONRY UNIT	GPM	GALLONS PER MINUTE	P	PUMP	WB	WET BULB
COMB	COMBINATION OR COMBUSTION	GUH	GAS FIRED UNIT HEATER	PC	PLUMBING CONTRACTOR	WC	WATER COLUMN
CONC	CONCRETE	GV	GAS VENT	PD	PUMP DISCHARGE	WF	WALL FIN
COND	CONDENSATE	H	HUMIDIFIER	PLBG	PLUMBING	WP	WEATHER PROOF
CONTR	CONTRACTOR	HB	HOSE BIBB	POC	POINT OF CONNECTION	WPD	WATER PRESSURE DROP
COP	COEFFICIENT OF PERFORMANCE	HC	HEATING CONTRACTOR	PRE	POWER ROOF EXHAUST FAN	YH	YARD HYDRANT
CP	CONDENSATE PUMP	HCR	HOT/CHILLED WATER RETURN	PRELIM	PRELIMINARY		
CRU	COMPUTER ROOM UNIT	HCS	HOT/CHILLED WATER SUPPLY	PRESS	PRESSURE		
CR	CONDENSER WATER RETURN	HD	HUS DRAIN	PRV	PRESSURE REDUCING VALVE		
CS	CONDENSER WATER SUPPLY	HDT	HORIZONTAL DRAW THRU	PS	PRESSURE SWITCH		
CT	COILING TOWER	HG	MERCURY	PSD	PUMP SUCTION DIFFUSER		
CU	COPPER	HGT	HEIGHT	PSI	POUNDS PER SQUARE INCH		
CUH	CABINET UNIT HEATER	HP	HORSEPOWER	PTAC	PACKAGED TERMINAL AIR CONDITIONER		
CW	COLD WATER	HPC	HIGH PRESSURE CONDENSATE	PVC	POLYVINYL CHLORIDE		
D	DRAIN	HPS	HIGH PRESSURE STEAM	R	REFRIGERANT		
DB	DRY BULB	HPU	HEAT PUMP UNIT	RA	RETURN AIR		
DC	DRY COOLER	HPWR	HEAT PUMP WATER RETURN	RD	RADIANT CEILING PANEL		
DCO	DOOR CUTOFF BY GC	HPWS	HEAT PUMP WATER SUPPLY	REOD	REQUIRED		
DDC	DIRECT DIGITAL CONTROL	HR	HOUR	RF	RETURN FAN		
DEPT	DEPARTMENT	HRU	HEAT RECOVERY UNIT	RG	RETURN GRILLE		
DG	DOOR GRILLE BY GC	HRSR	HEAT SINK RETURN	RH	RELIEF HOOD		
DIA	DIAMETER	HSS	HEAT SINK SUPPLY	RH	REFRIGERANT HOT GAS		
DN	DOWN	HTWR	HIGH TEMPERATURE HOT WATER RETURN	RL	REFRIGERANT LIQUID		
DSA	DUCT SOUND ATTENUATOR	HTWS	HIGH TEMPERATURE HOT WATER SUPPLY	RPM	REVOLUTIONS PER MINUTE		
DSF	DESTRATIFICATION FAN	HWAC	HEATING VILATING AND AIR CONDITIONING				
DWD	DOUBLE WIDTH DOUBLE INLET	HW	HOT WATER				
DWG	DRAWING	HWR	HOT WATER RETURN				
		HWS	HOT WATER SUPPLY				

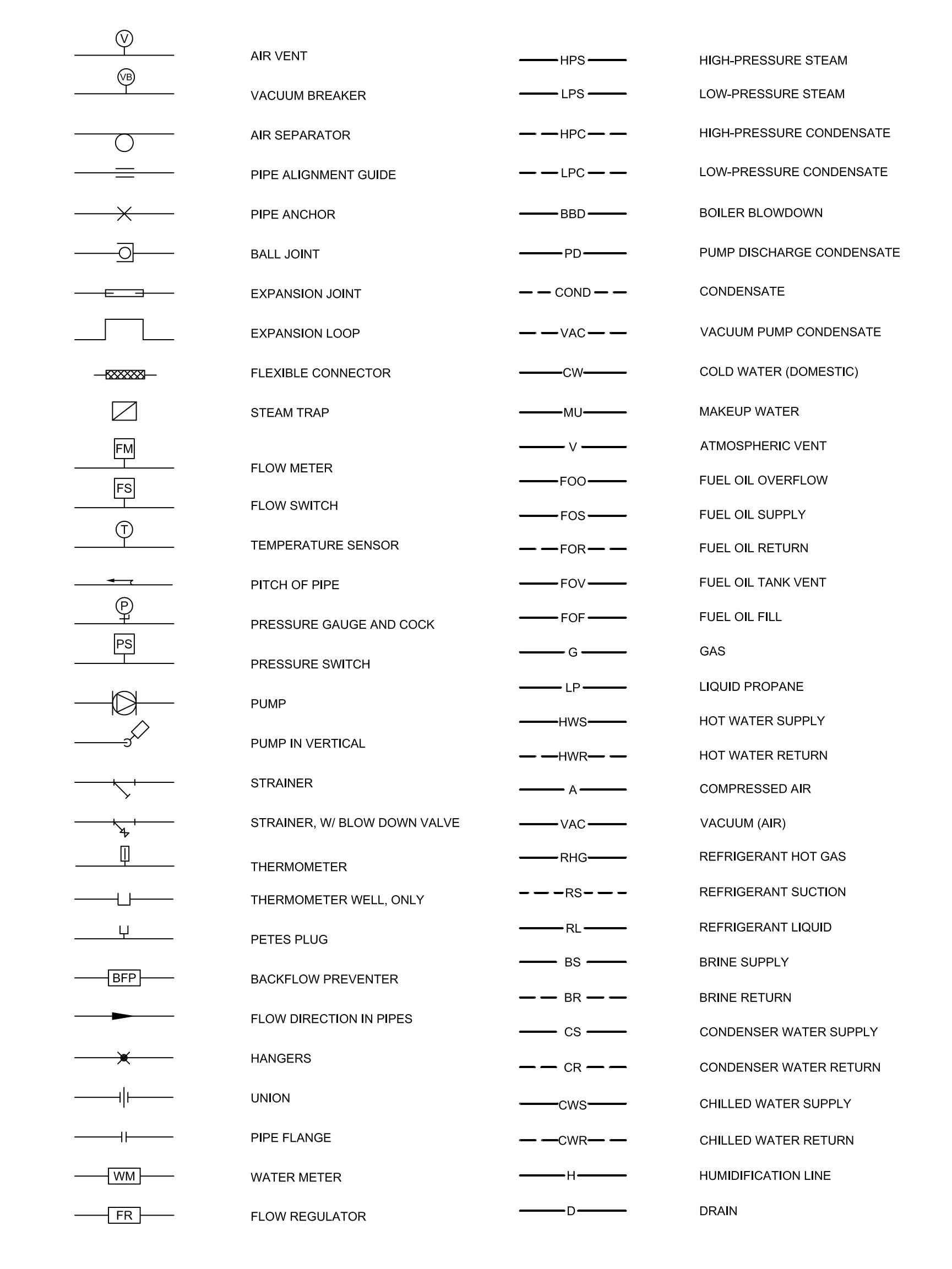
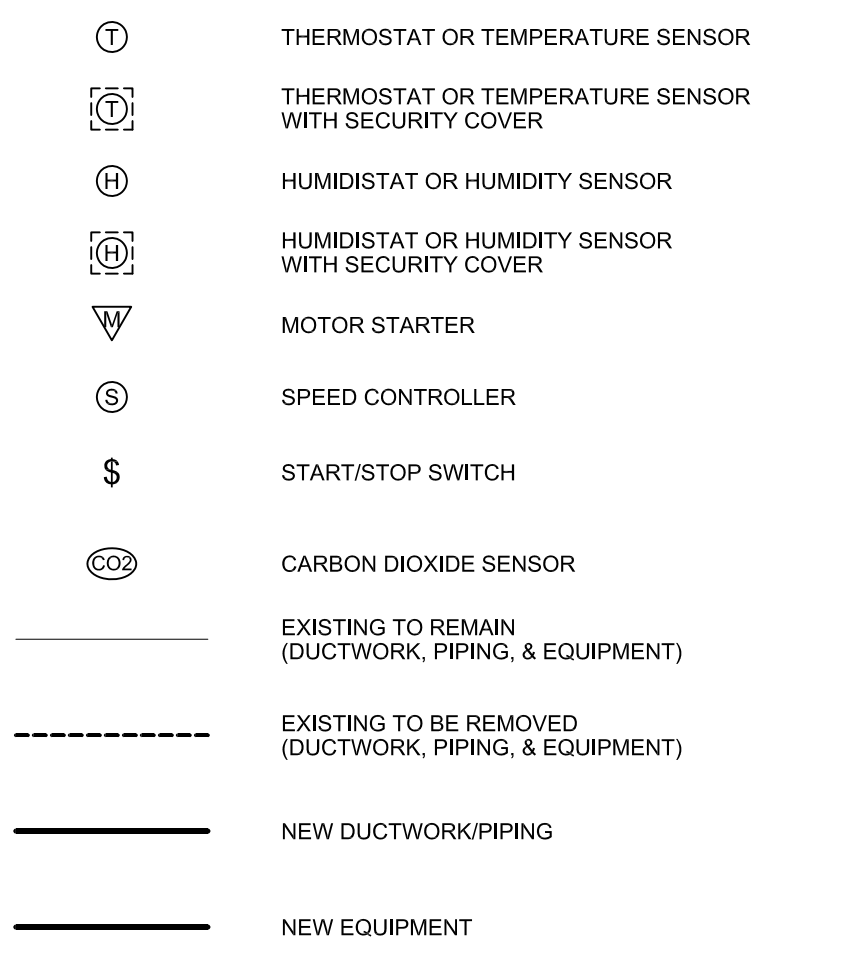
DUCTWORK SYSTEMS



PIPING SYSTEMS



GENERAL SYMBOLS



HVAC SHEET INDEX

M0.1	SYMBOLS AND ABBREVIATIONS - HVAC
M1.1	PARTIAL THIRD FLOOR DEMOLITION PLAN - HVAC
M2.1	PARTIAL THIRD FLOOR NEW WORK PLAN - HVAC
M8.1	SCHEDULES - HVAC

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ISSUED

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ABBREVIATIONS - HVAC

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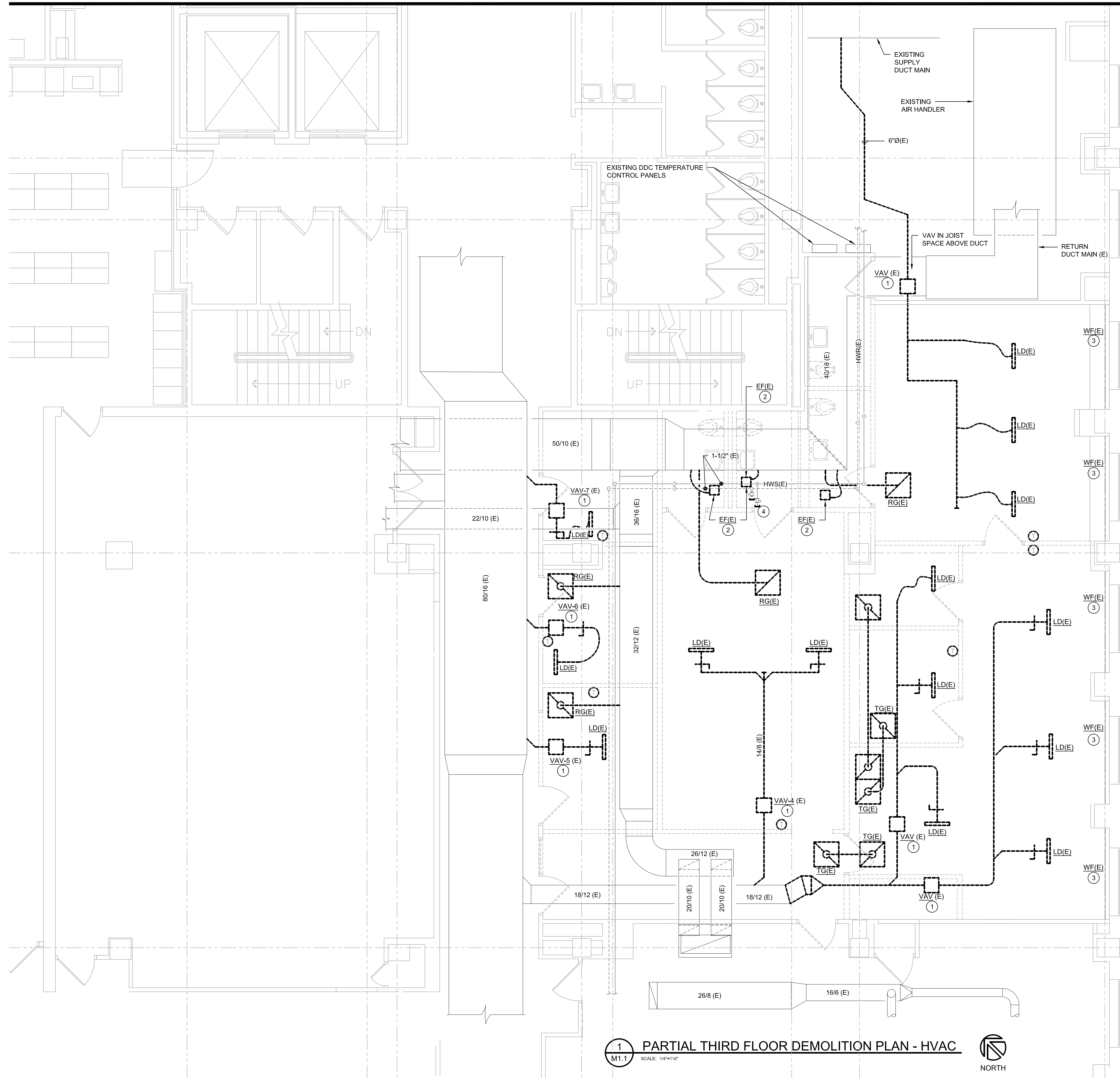
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GENERAL NOTES:

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 ANY PHASING SCHEDULES AND/OR AREAS.
3. WHEN PNEUMATIC CONTROLS ARE INDICATED TO BE REMOVED, REMOVE ALL PNEUMATIC CONTROL TUBING BACK TO THE POINT REQUIRED TO BE ACTIVE AND CAP.
4. PNEUMATIC TUBING LOCATED DIRECTLY IN CONCRETE FLOORS CAN BE ABANDONED IN PLACE, PROVIDED THAT THE TUBING IS REMOVED TO BELOW FLOOR LEVEL (SO THAT NEW FLOORING IS NOT AFFECTED) AND SEALED OR FILLED AIR TIGHT.
5. COORDINATE ALL INTERRUPTIONS WITH OWNERS REPRESENTATIVE PRIOR TO STARTING WORK.
6. ALL DUCTWORK, PIPING, EQUIPMENT, ETC. NOTED FOR DEMOLITION SHALL BE REMOVED COMPLETE.
7. ALL EXISTING ABANDONED DUCTWORK, PIPING, EQUIPMENT, ETC IN THE CEILING SHALL BE REMOVED COMPLETE.
8. PIPING NOTED FOR DEMOLITION SHALL BE REMOVED BACK TO THE POINT REQUIRED TO REMAIN ACTIVE AND CAPPED.
9. ANY DUCTWORK CONNECTIONS NOT TO BE REUSED SHALL BE SHEETMETAL PATCHED, SEALED AND INSULATED WITH COMPLETE VAPOR BARRIER.
10. ALL EXISTING TO REMAIN GRILLES, REGISTERS, DIFFUSERS, CONNECTORS, ETC. SHALL BE PROTECTED DURING CONSTRUCTION.
11. SEE REFLECTED CEILING PLANS FOR AREAS WHERE EXISTING CEILINGS WILL BE REMOVED BY THE GC AND NEW CEILING WILL BE INSTALLED (BY GC). THE GC IS RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF ALL OTHER CEILING REQUIRED TO PERFORM HVAC WORK.
12. ALL WORKING PNEUMATICALLY CONTROLLED VARIABLE AIR VOLUME TERMINALS SHALL BE TURNED OVER TO THE OWNER IN WORKING CONDITION.

KEYED NOTES:

- 1 REMOVE VAV AIR TERMINAL, THERMOSTAT, BRANCH DUCT(S) AND DIFFUSER(S) COMPLETE BACK TO DUCT MAIN. CAP/PATCH AND SEAL BRANCH DUCT AT MAIN IF NOT USED FOR NEW WORK. DUCT CAP/PATCH SHALL BE INSULATED WITH COMPLETE VAPOR BARRIER.
- 2 REMOVE EXISTING CEILING FAN AND ALL ASSOCIATED DUCT. CAP/PATCH AND SEAL EXHAUST DUCT CONNECTION TO EXISTING MAIN. EC TO DISCONNECT POWER TO FAN.
- 3 EXISTING STEAM RADIATION. REMOVE CABINET. REMOVE EXISTING LPS ISOLATION VALVES AND PNEUMATIC CONTROL VALVE. REMOVE ALL EXISTING PNEUMATIC CONTROL TUBING NOT REQUIRED TO STAY ACTIVE. EXISTING 3/4" STERLING STEAM TRAP TO BE REBUILT. SEE DETAIL FOR ADDITIONAL WORK.
- 4 REMOVE CAPS ON 1" HWS/HWR TAPS. SEE NEW WOR PLAN FOR NEW CONNECTIONS.



1 PARTIAL THIRD FLOOR DEMOLITION PLAN - HVAC
M1.1 SCALE: 1/4"=1'-0" NORTH

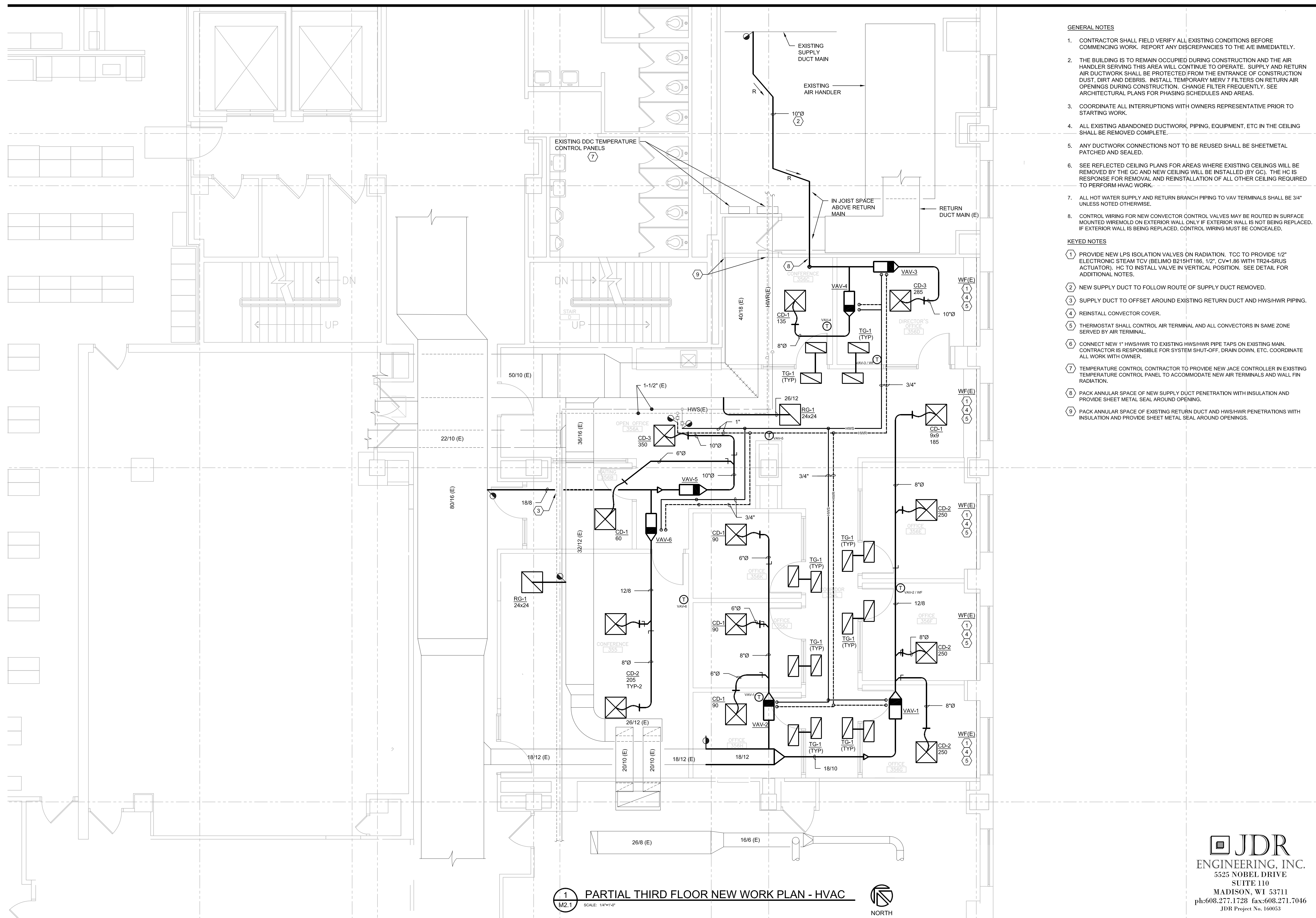
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- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE A/E IMMEDIATELY.
- THE BUILDING IS TO REMAIN OCCUPIED DURING CONSTRUCTION AND THE AIR HANDLER SERVING THIS AREA WILL CONTINUE TO OPERATE. 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.
- 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.

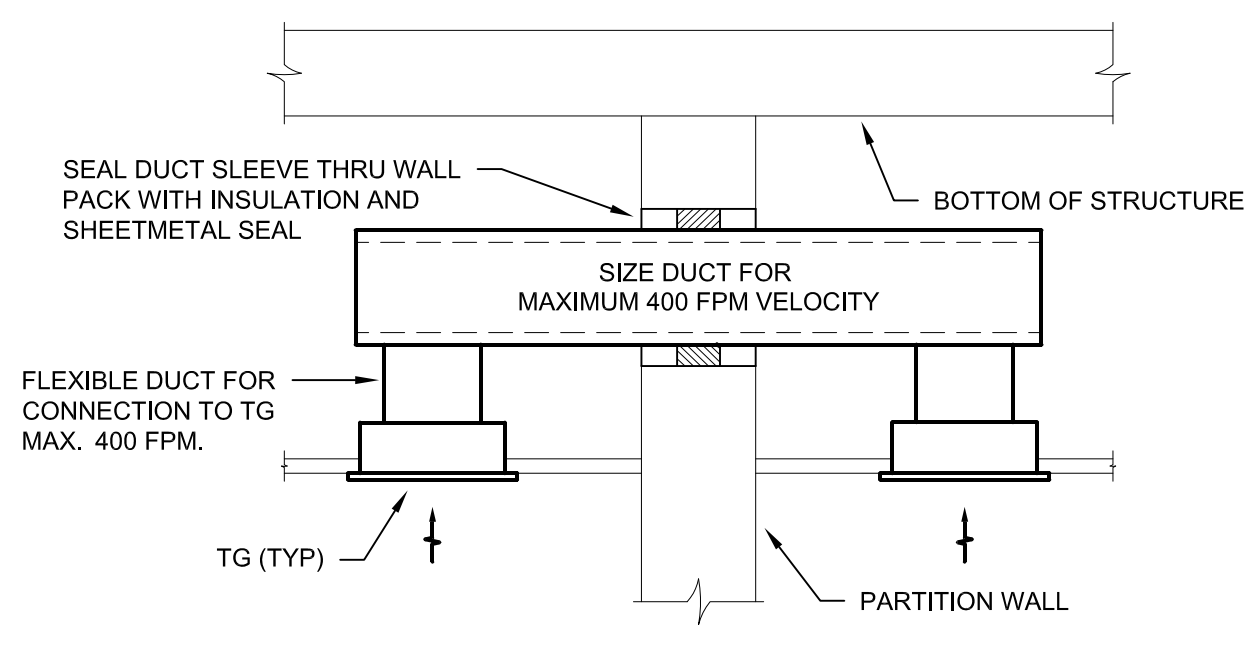
KEYED NOTES

- PROVIDE NEW LPS ISOLATION VALVES ON RADIATION. TCC TO PROVIDE 1/2" ELECTRONIC STEAM TOV (BELIMO B215HT186, 1/2", Cv=1.86 WITH TR24-SRUS ACTUATOR). HC TO INSTALL VALVE IN VERTICAL POSITION. SEE DETAIL FOR ADDITIONAL NOTES.
- NEW SUPPLY DUCT TO FOLLOW ROUTE OF SUPPLY DUCT REMOVED.
- SUPPLY DUCT TO OFFSET AROUND EXISTING RETURN DUCT AND HWS/HWR PIPING.
- REINSTALL CONVECTOR COVER.
- THERMOSTAT SHALL CONTROL AIR TERMINAL AND ALL CONVECTORS IN SAME ZONE SERVED BY AIR TERMINAL.
- CONNECT NEW 1" 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.
- TEMPERATURE CONTROL CONTRACTOR TO PROVIDE NEW JACE CONTROLLER IN EXISTING TEMPERATURE CONTROL PANEL TO ACCOMMODATE NEW AIR TERMINALS AND WALL FIN RADIATION.
- PACK ANNULAR SPACE OF NEW SUPPLY DUCT PENETRATION WITH INSULATION AND PROVIDE SHEET METAL SEAL AROUND OPENING.
- PACK ANNULAR SPACE OF EXISTING RETURN DUCT AND HWS/HWR PENETRATIONS WITH INSULATION AND PROVIDE SHEET METAL SEAL AROUND OPENINGS.

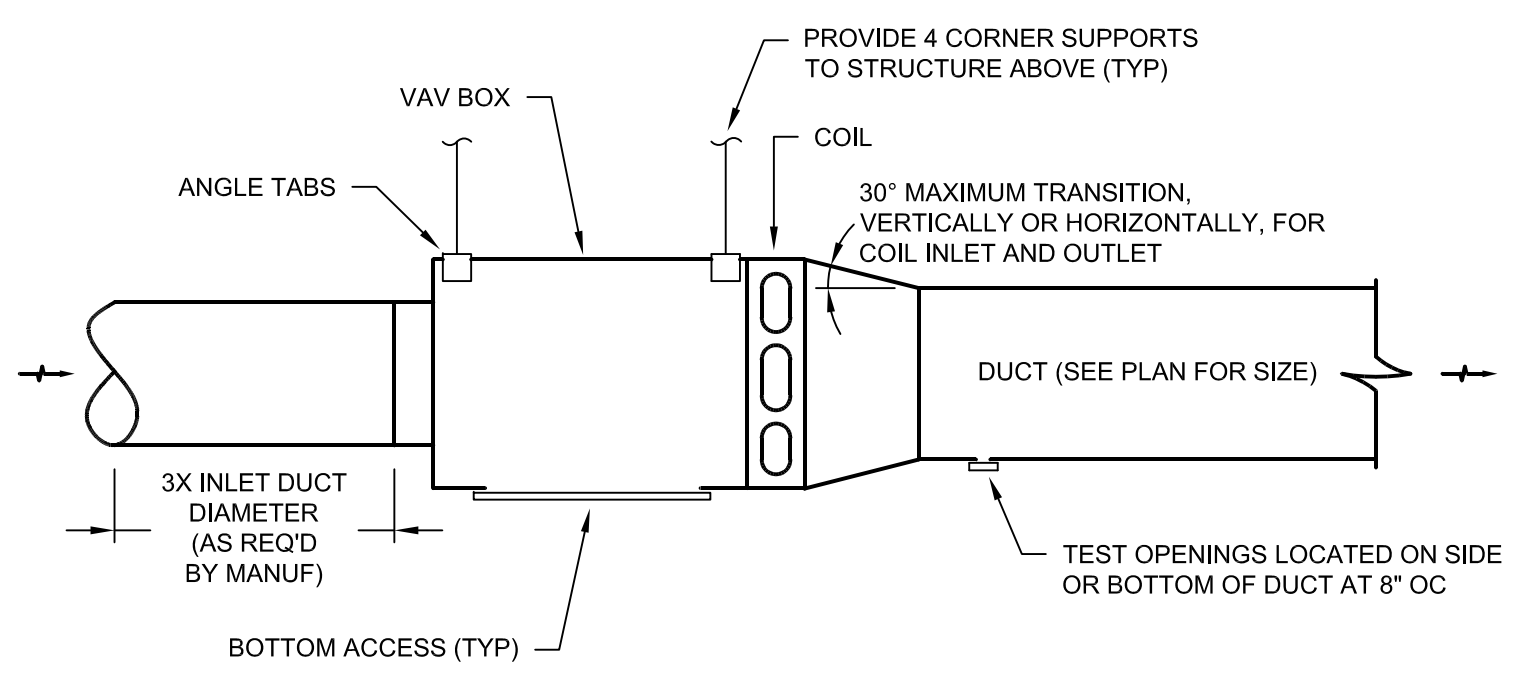


1 PARTIAL THIRD FLOOR NEW WORK PLAN - HVAC
SCALE: 1/4"=1'-0"
NORTH

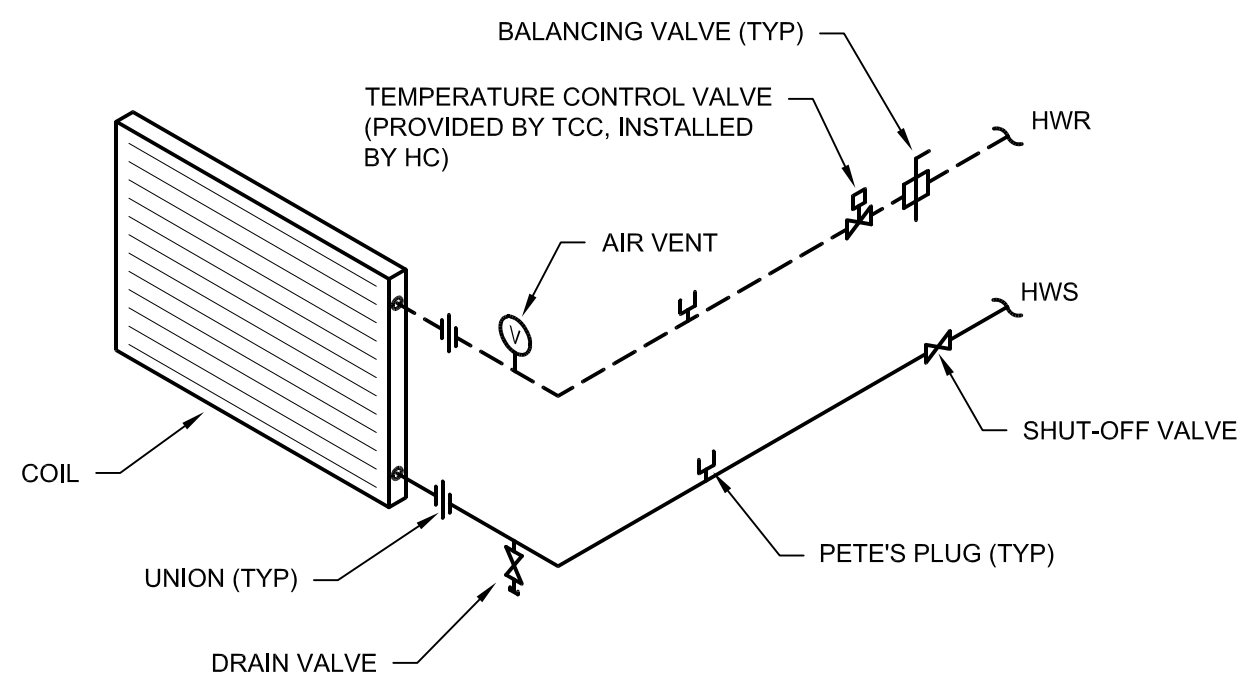
JDR
ENGINEERING, INC.
5325 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
ph:608.277.1728 fax:608.271.7046
JDR Project No. 160053



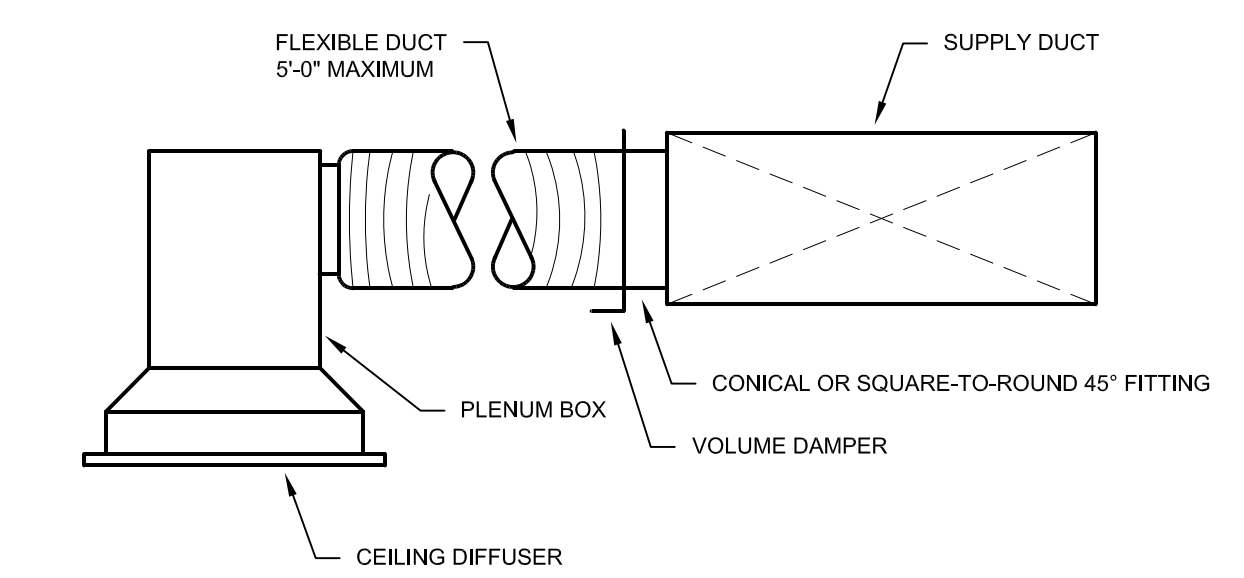
1 TRANSFER DUCT DETAIL
SCALE: NONE



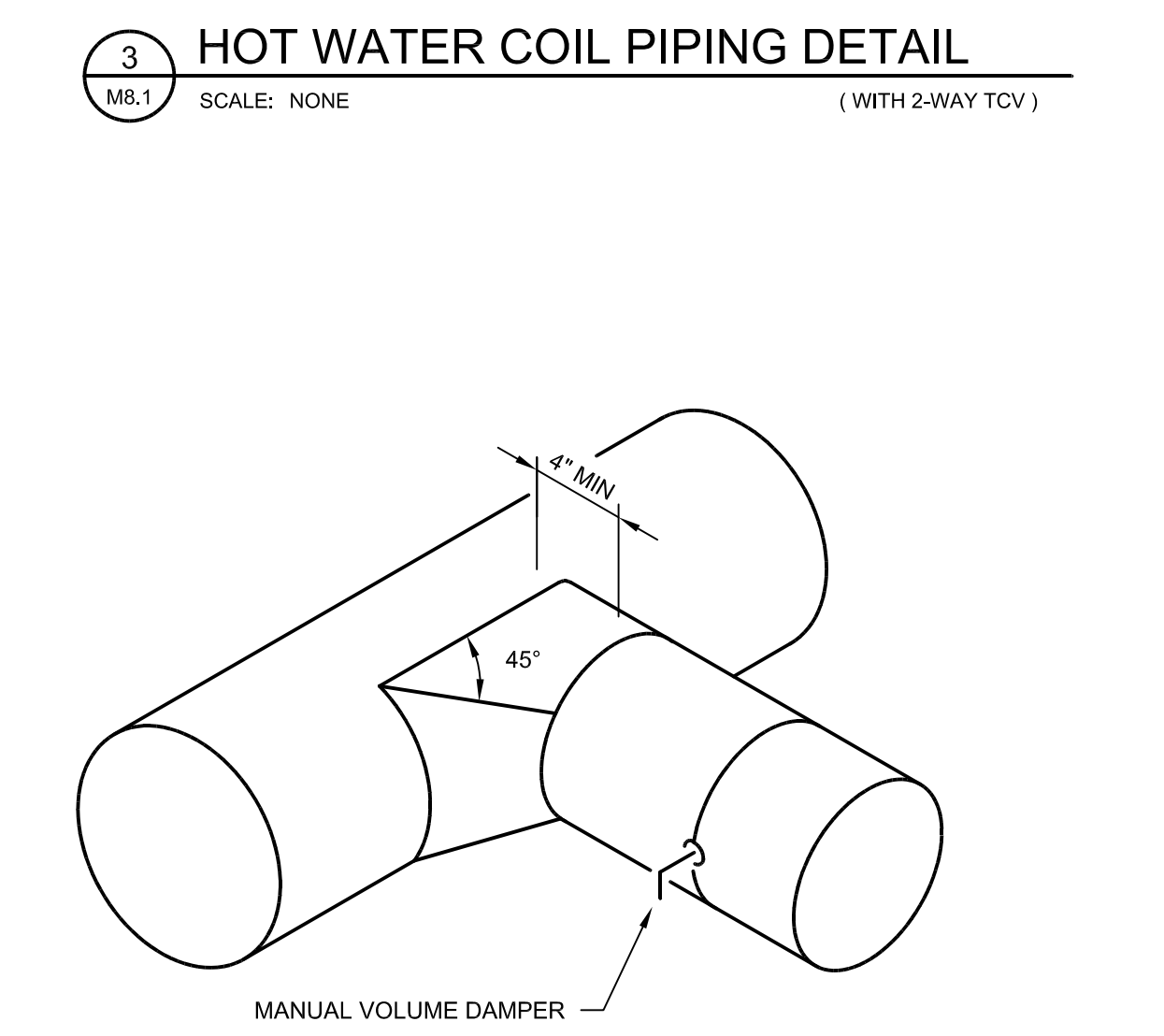
2 VAV BOOSTER COIL DETAIL
SCALE: NONE



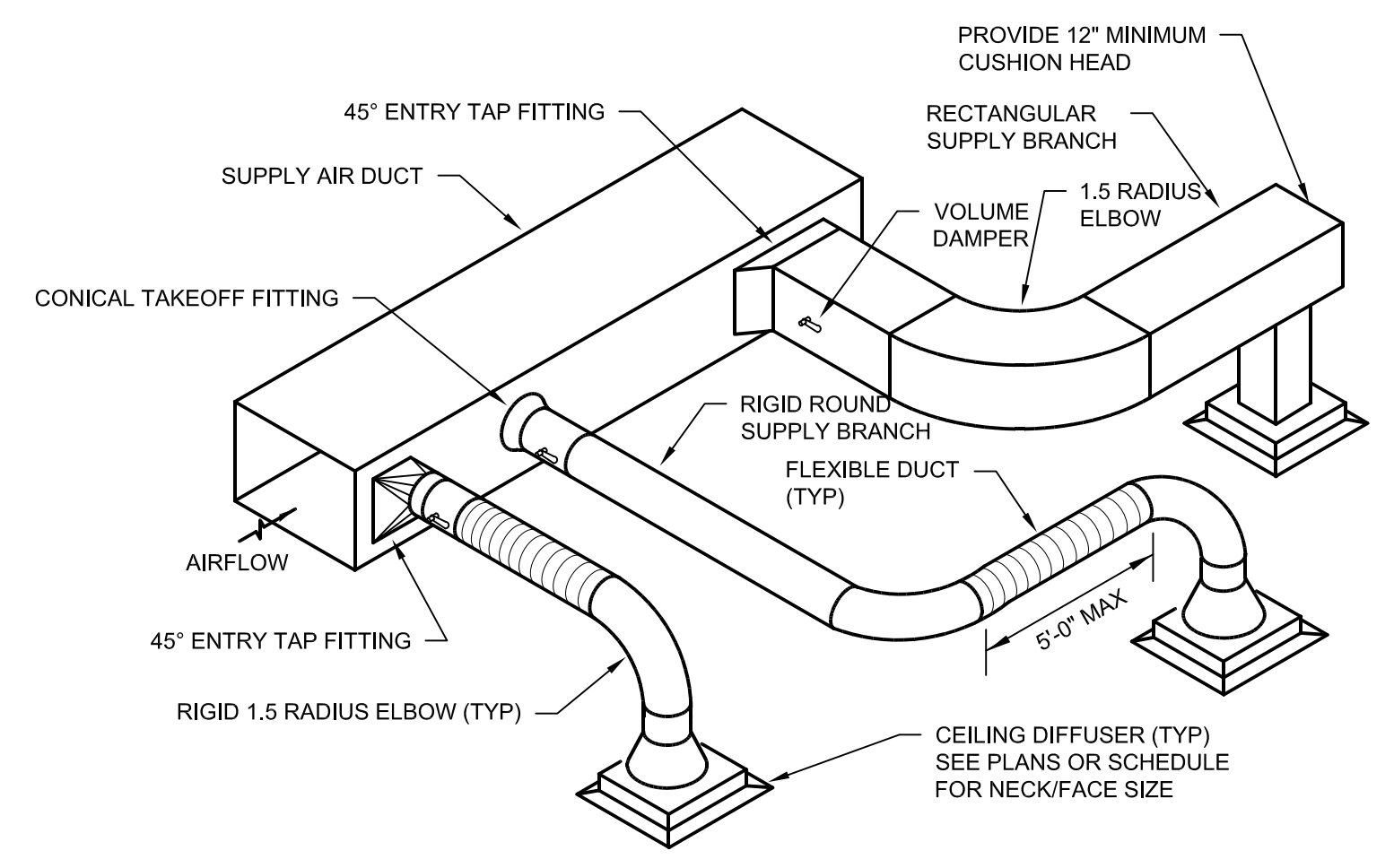
3 HOT WATER COIL PIPING DETAIL
SCALE: NONE (WITH 2-WAY TCV)



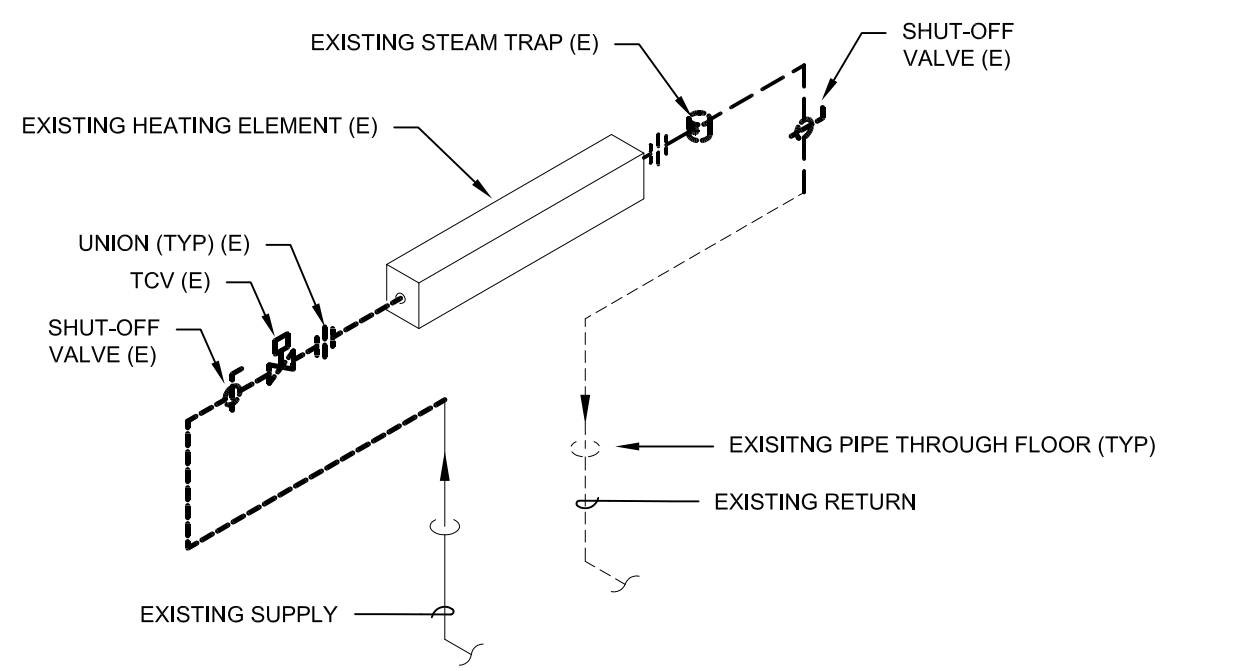
4 CEILING DIFFUSER CONNECTION DETAIL
SCALE: NONE



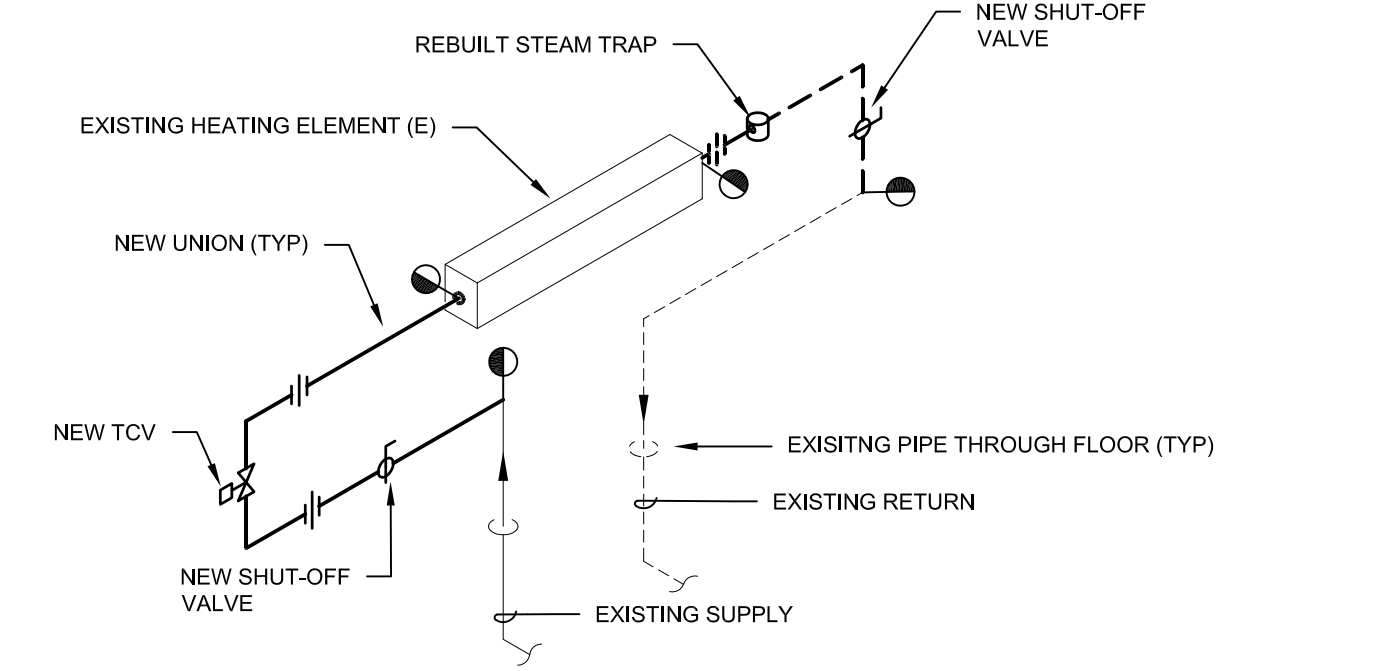
5 BRANCH DUCT TAKEOFF DETAIL
SCALE: NONE



6 BRANCH DUCT & DIFFUSER CONNECTION
SCALE: NONE



7 EXISTING RADIATION PIPING DETAIL
SCALE: NONE
DEMOLITION



8 EXISTING RADIATION PIPING DETAIL
SCALE: NONE
NEW WORK

AIR DEVICE SCHEDULE

UNIT NO.	CD-1	CD-2	CD-3	RG-1	TG-1
SERVICE	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS
MANUFACTURER	PRICE	PRICE	PRICE	PRICE	PRICE
MODEL NO.	ASPD	ASPD	ASPD	80	80
FACE STYLE	PLAQUE	PLAQUE	PLAQUE	EGG CRATE	EGG CRATE
PATTERN	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS
FINISH	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
MATERIAL	STEEL	STEEL	STEEL	ALUMINUM	ALUMINUM
SIZE (FACE/NECK)	24x24x8"Ø	24x24x8"Ø	24x24x10"Ø	24x24	24x12
CFM RANGE	0-150	150-275	276-375	0-2000	0-800
MOUNTING	LAY-IN	LAY-IN	LAY-IN	LAY-IN	LAY-IN
DAMPER	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 NC 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.

VAV TERMINAL UNIT WITH REHEAT SCHEDULE

UNIT NO.	VAV-1	VAV-2	VAV-3	VAV-4	VAV-5	VAV-6
LOCATION	OFFICE-365G	OFFICE-356H	OFFICE-356D	CONF-356C	OPEN OFF.-356A	OPEN OFF.-356A
MANUFACTURER	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE
MODEL NO.	SDVLP	SDVLP	SDVLP	SDV	SDV	SDV
INLET SIZE	10	6	6	4	7	7
OUTLET SIZE	-	-	-	-	-	-
MAX AIR PD (WC)	0.40	0.40	0.40	0.40	0.40	0.40
AIRFLOW (CFM)	MAXIMUM	935	270	285	135	410
	MINIMUM	285	85	90	45	80
	HEATING CFM	285	85	90	45	80
HOT WATER REHEAT COIL DATA	EWV (°F)	180	180	180	180	180
	LWT (°F)	150	150	150	150	150
	EAT (°F)	57	57	57	57	57
	LAT (°F)	100.0	90.0	100.0	90.0	90.0
	CAPACITY (MBH)	11.0	4.2	4.4	1.7	6.7
	GPM	0.75	0.50	0.50	0.50	0.50
MAX WATER PD (FT)	3.0	3.0	3.0	3.0	3.0	
CONTROL VALVE	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY	2-WAY
REMARKS	(1)					(2)

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.

KEYED NOTES:
 (1) UNIT TO BE LOW PROFILE HEIGHT.
 (2) UNIT TO BE INTERLOCKED WITH SPACE LIGHTING OCCUPANCY SENSOR.

PROJECT
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 THIRD FLOOR
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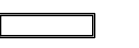
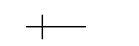
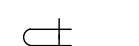
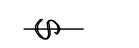
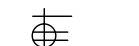
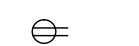
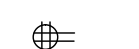





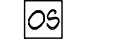

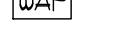


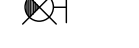

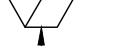

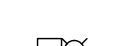



DRAWING
 SCHEDULES - HVAC

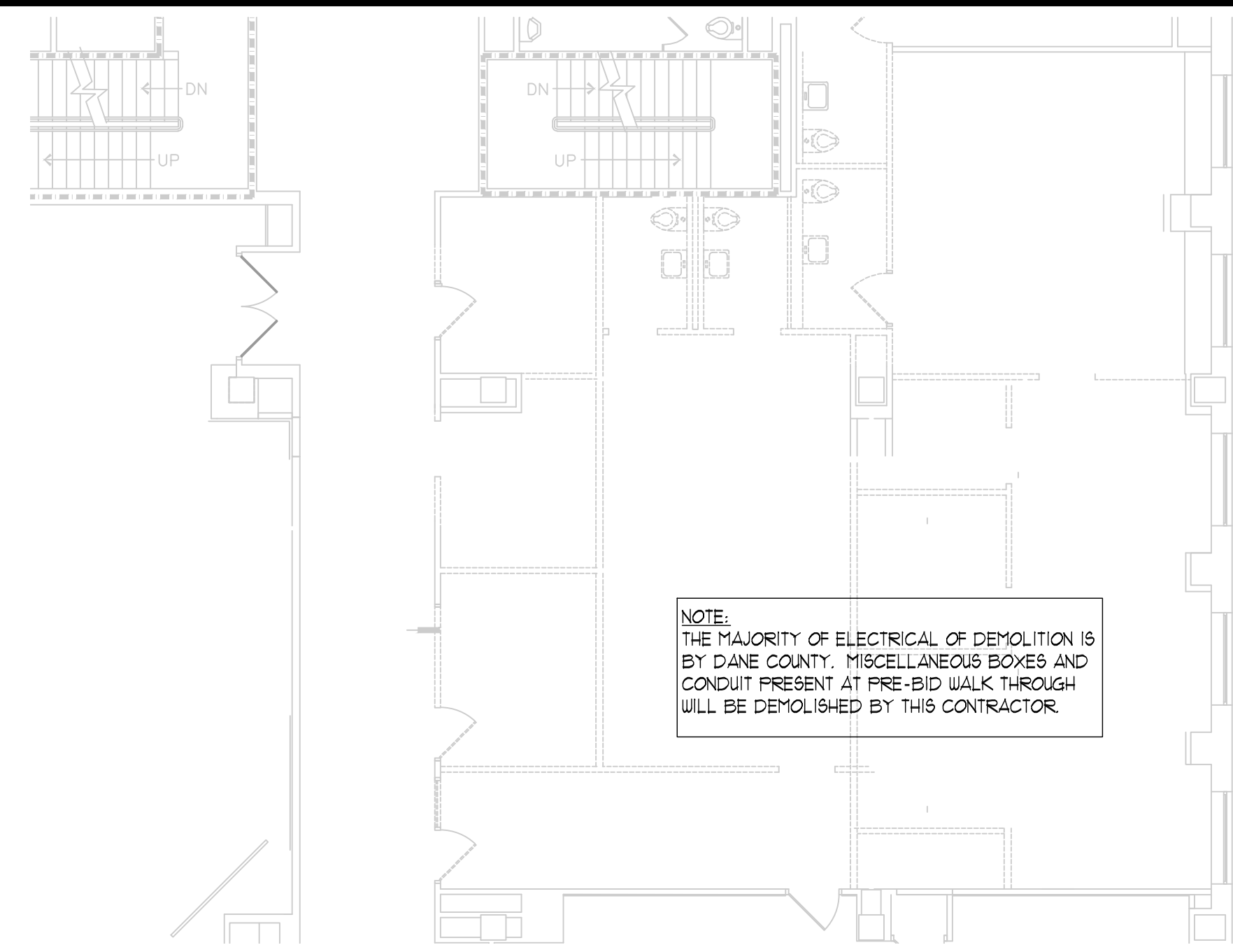
DATE
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 SUITE 110
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 JDR Project No. 160053

M8.1

ELECTRICAL SYMBOLS

-  FLUORESCENT RECESSED 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.
-  DUAL LEVEL SWITCH (3) THREE WAY (4) FOUR WAY (K) KEY (P) PILOT LIGHT (OS) OCCUPANCY SENSOR MOUNT 48" ABOVE FLOOR TO TOP OF BOX.
-  WALL BOX DIMMER - MOUNT 48" ABOVE FLOOR TO TOP OF BOX. PROVIDE LUTRON MAESTRO MS-Z101-UH 0-10V WITH INTEGRAL VACANCY SENSOR. FOR 3-WAY WIRING, SEE LUTRON INSTALLATION INSTRUCTIONS.
-  SWITCH AND DUPLEX RECEPTACLE IN SAME BOX - 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
-  VOICE/DATA OUTLET
-  PUSHBUTTON - 5/2" 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
-  ELECTRIC STRIKE - OFCI
-  CARD READER - OFCI
-  OCCUPANCY SENSOR
-  PANIC BUTTON - PROVIDE ADEMCO 269 KEY RESET TYPE. WIRE TO 911 CENTER ON FIRST FLOOR.
-  WIRELESS ACCESS POINT - PROVIDE (1) CAT6 CABLE TERMINATED ON RJ45 JACK. COIL UP 6 FEET OF SURPLUS CABLE AT ACCESS POINT. PLACE 3 FEET OF BLACK ELECTRICAL TAPE ON TEE-BAR JUST BELOW CABLE.
-  VOICE EVACUATION SPEAKERS
-  CEILING MOUNTED EXIT SIGN
-  WALL MOUNTED EXIT SIGN
-  ELECTRICAL PANEL
-  DETAIL NUMBER
-  NOTE OR DETAIL SYMBOL
-  SHEET LOCATION
-  SPEAKER/STROBE 80" AFF TO BOTTOM OF BOX OR 6" DOWN FROM CEILING TO TOP OF BOX WHICHEVER IS LOWER
-  FIRE ALARM STROBE - ADA RATED 80" TO BOTTOM OF BOX OR 6" DOWN FROM CEILING TO TOP OF BOX WHICHEVER IS LOWER



1 PARTIAL THIRD FLOOR PLAN - DEMOLITION
1/8"=1'-0"

ABBREVIATIONS

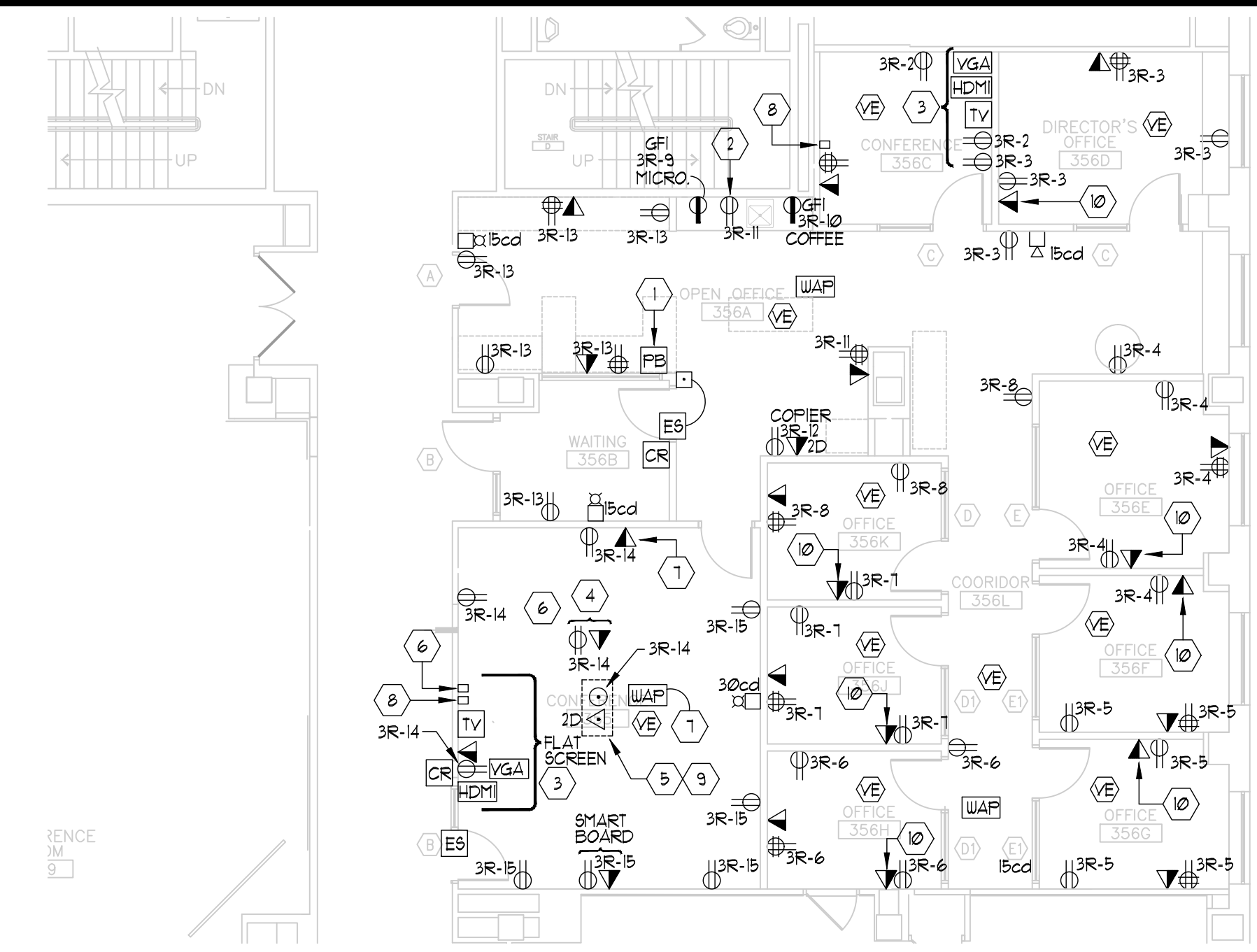
- AFB ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- BF&G BELOW FINIAL GRADE
- BOL BUILT-IN OVERLOAD
- C CONDUIT
- CKT CIRCUIT
- CB COMBINATION STARTER
- D DEDICATED
- DD DOUBLE DUPLEX
- EC ELECTRICAL CONTRACTOR
- EUC ELECTRIC WATER COOLER
- ER EXISTING TO BE REMOVED
- ERL EXISTING RELOCATED (NEW LOCATION)
- 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
- IJ IN UNIT
- MAN MANUAL STARTER
- MAG MAGNETIC STARTER
- MCA MINIMUM CIRCUIT AMPACITY
- NIC NOT IN CONTRACT
- NL NIGHT LIGHT
- NU NEAR UNIT
- OFCI OWNER FURNISHED CONTRACTOR INSTALLED
- PB PUSHBUTTON
- PC PLUMBING CONTRACTOR
- FU PRE-WIRED
- RV REDUCED VOLTAGE STARTER
- RAI REMAIN AS IS
- SC SEPARATE CIRCUIT
- SS SPEED SWITCH
- SU SWITCH
- TC TIMELOCK
- TS THERMOSTAT
- UM UNIT MANUFACTURER
- UP WEATHERPROOF

KEYED NOTES:

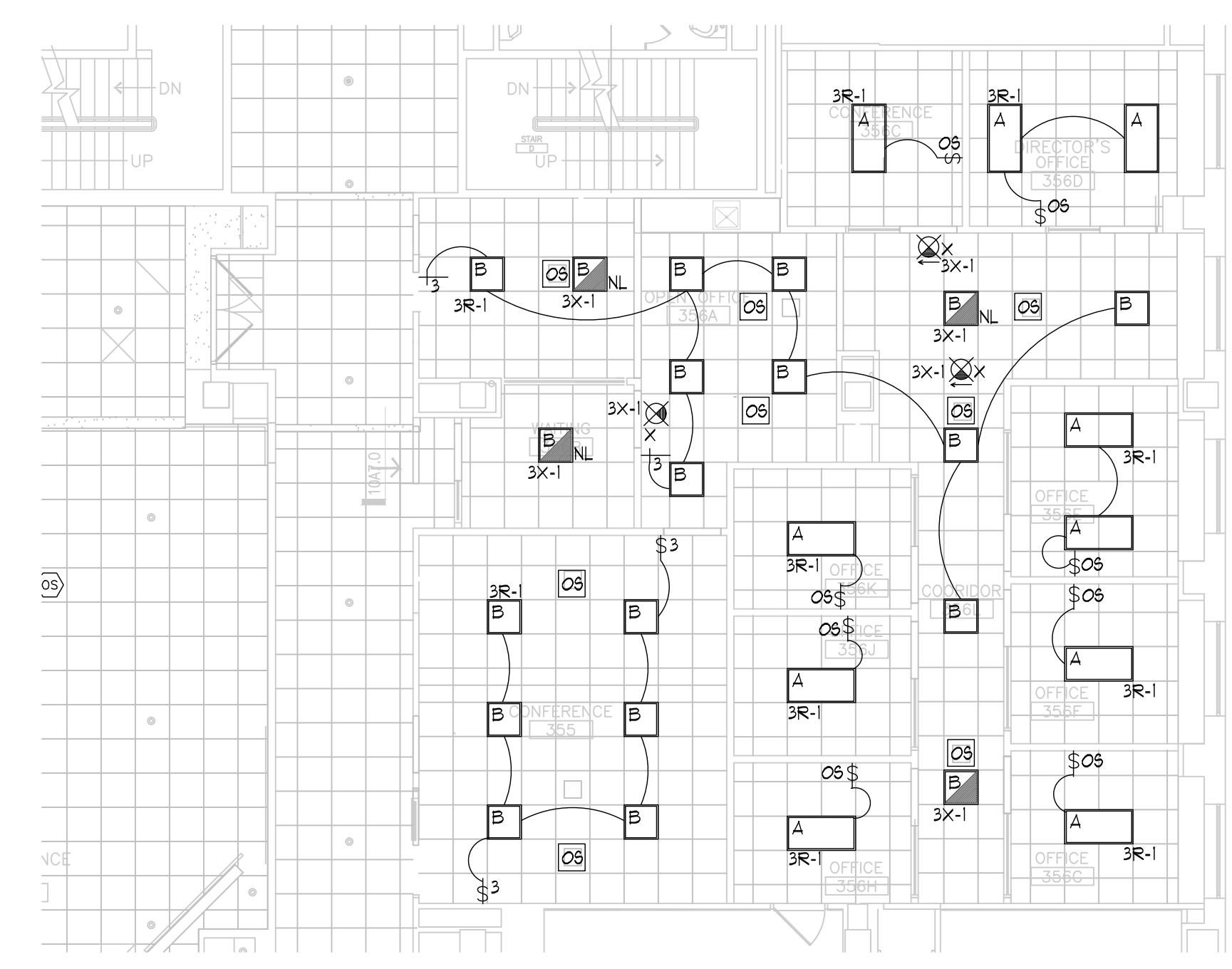
- 1 LOCATE IN DESK WHERE DIRECTED. FEED FROM WALL.
- 2 BELOW COUNTER FROM UNDER COUNTER REFRIGERATOR.
- 3 PROVIDE FLAT SCREEN BOX WITH DUPLEX RECEPTACLE - LEGRAND EFSB4. LOCATE 60" AFF. PROVIDE CABLE TV, (2) DATA, VGA AND HDMI JACKS WITHING.
- 4 FLUSH IN CEILING FOR PROJECTOR.
- 5 PROVIDE VGA, HDMI AND 3.5MM AUDIO-IN JACKS FOR PROJECTOR AV INPUTS IN FLOOR BOX. WIRE TO JACKS IN FLAT SCREEN BOX - SEE NOTE 3.
- 6 2D FOR POLYCOMM INPUT. WIRE TO CITY TELECOM ROOM.
- 7 WIRE TO CITY TELECOM ROOM.
- 8 VGA, HDMI AND 3.5MM AUDIO-IN JACKS FOR FLAT SCREEN AV INPUTS.
- 9 PROVIDE F5R-SF6-CFT-AVD-BRS FLUSH FIRE RATED POKE THRU. VERIFY EXACT LOCATION WITH OWNER.
- 10 ROUGH-IN FOR (2D) DATA JACKS. PROVIDE BLANK COVERPLATE.

GENERAL NOTES:

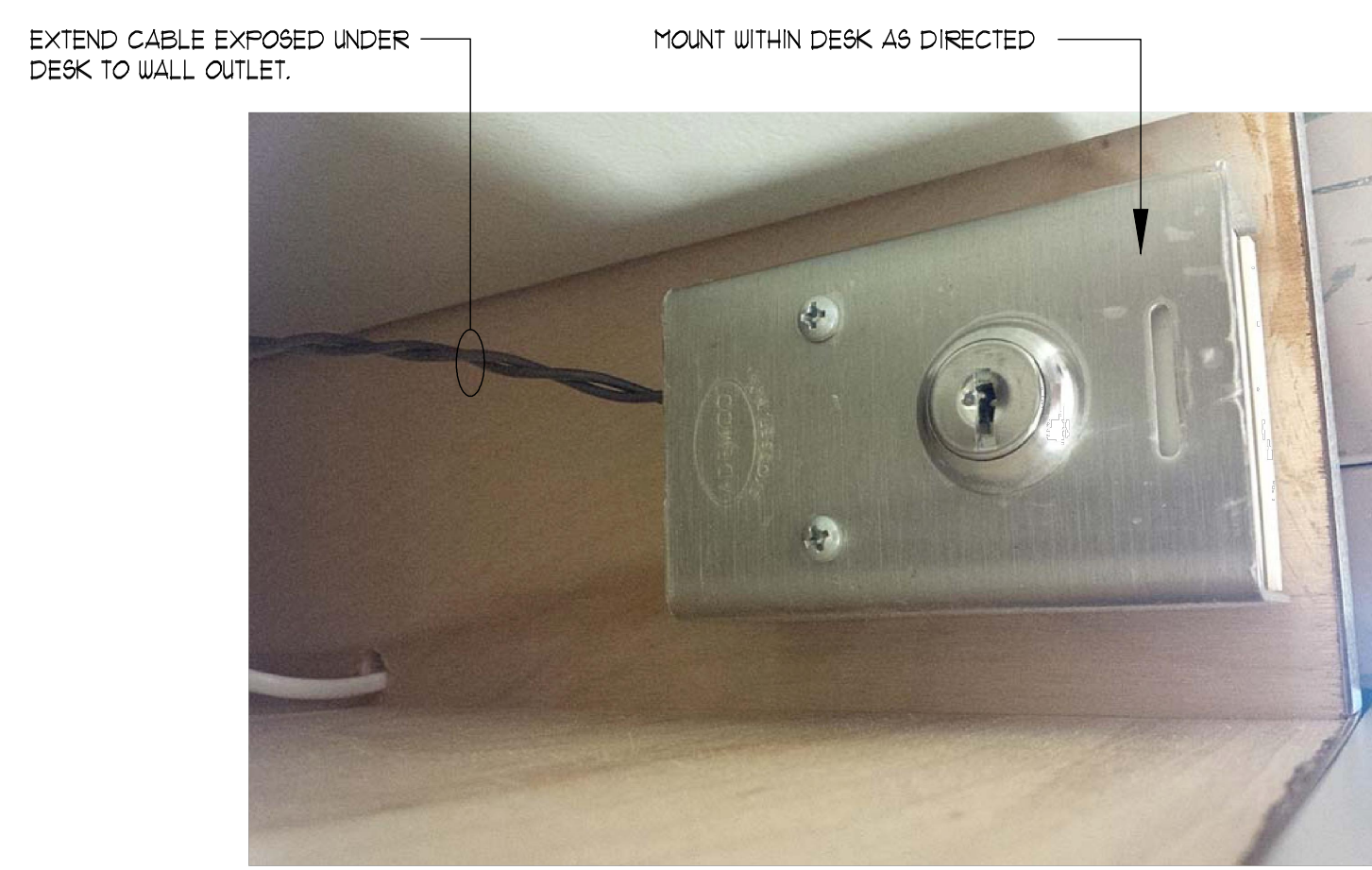
- 1. UNLESS OTHERWISE NOTED, ALL TELECOMMUNICATIONS CABLING IS TO ORIGINATE IN COUNTY TELECOM ROOM. SEE E2.0.
- 2. REDO CIRCUIT DIRECTORIES FOR ALL PANELS AFFECTED BY PROJECT.
- 3. LOCATE CABLE TV COAX FEED PRESENT IN DEMO'D AREA. EXTEND TO TV OUTLETS IN 355 AND 356C.
- 4. PROVIDE EXTRA TELECOM CABLE LENGTH COILED ABOVE CEILING TO ALLOW CABLE TO REACH ALTERNATE OUTLET LOCATIONS IN OFFICES.



2 PARTIAL THIRD FLOOR PLAN - POWER/SYSTEMS
1/8"=1'-0"



3 PARTIAL THIRD FLOOR REFLECTED CEILING PLAN - LIGHTING
1/8"=1'-0"



DETAIL : PB

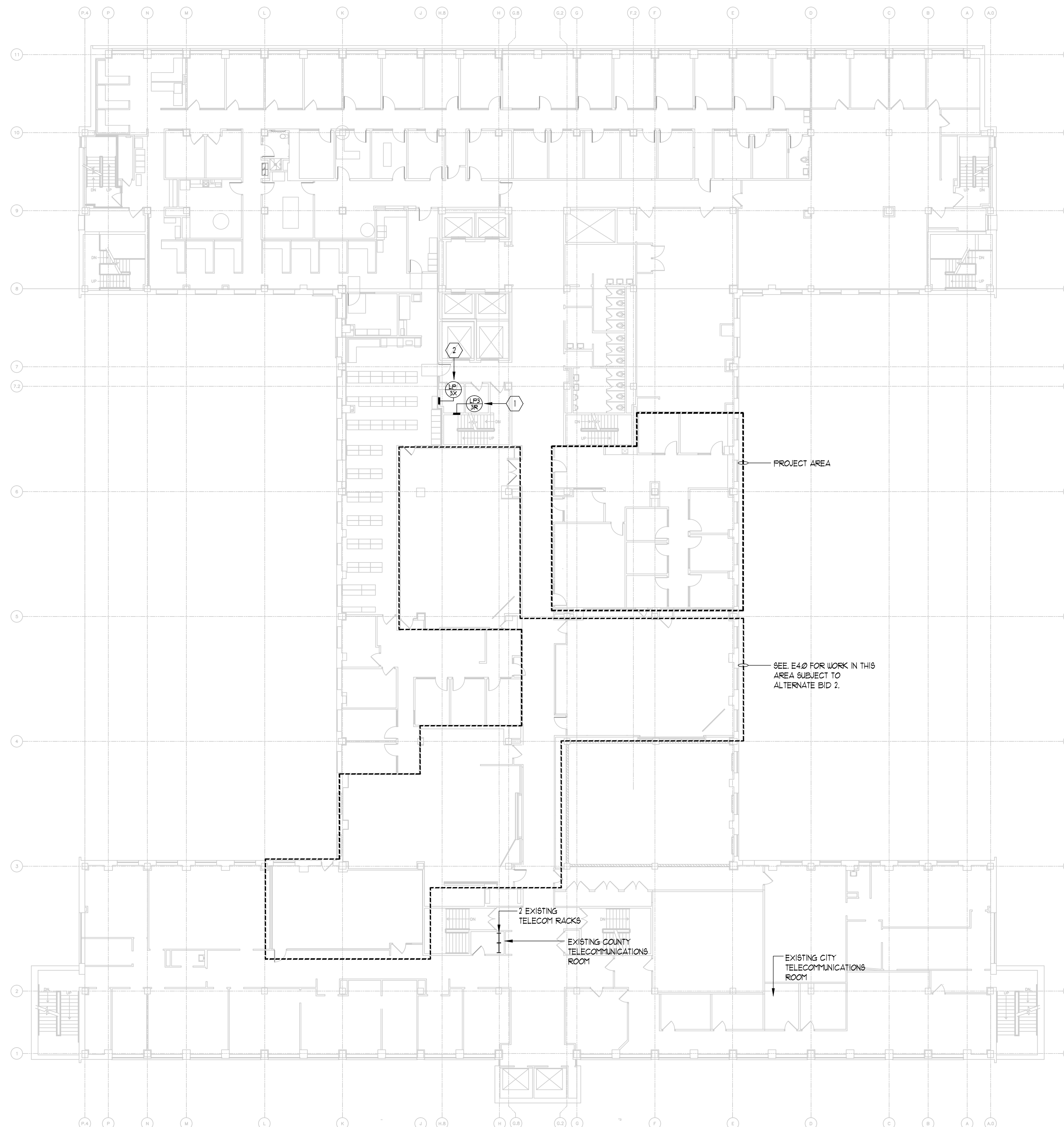
PROJECT
TENANT IMPROVEMENTS
THIRD FLOOR
OFFICE FOR EQUITY AND
INCLUSION
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

DRAWING
PARTIAL THIRD FLOOR
DEMOLITION AND
ELECTRICAL PLANS
DATE
03.28.16

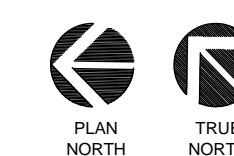
C16-026
**CZARNECKI
ENGINEERING
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1021 MARLIN COURT, SUITE B - WAUKESHA, WI 53186
VOICE: (262) 515-2020 FAX: (262) 515-2023
WEB PAGE: www.czeng.com
FACEBOOK: www.facebook.com/CzarneckiEngineeringInc

KEYED NOTES:

- ① EXISTING SQUARE D NQOD PANEL. REUSE (2) 20A, 1P SPARES. REMOVE (1) 40A, 2P AND REPLACE WITH (2) 20A, 1P BREAKERS.
- ② EXISTING SQUARE D NQOD PANEL. ADD (1) 20A, 1P BREAKER.



① OVERALL THIRD FLOOR PLAN
1/16"=1'-0"



C16-028
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PROJECT
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THIRD FLOOR
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INCLUSION
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

DRAWING
OVERALL THIRD FLOOR
PLAN

DATE
03.28.16

Architecture
Planning

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

ISSUED

LIGHT FIXTURE SCHEDULE

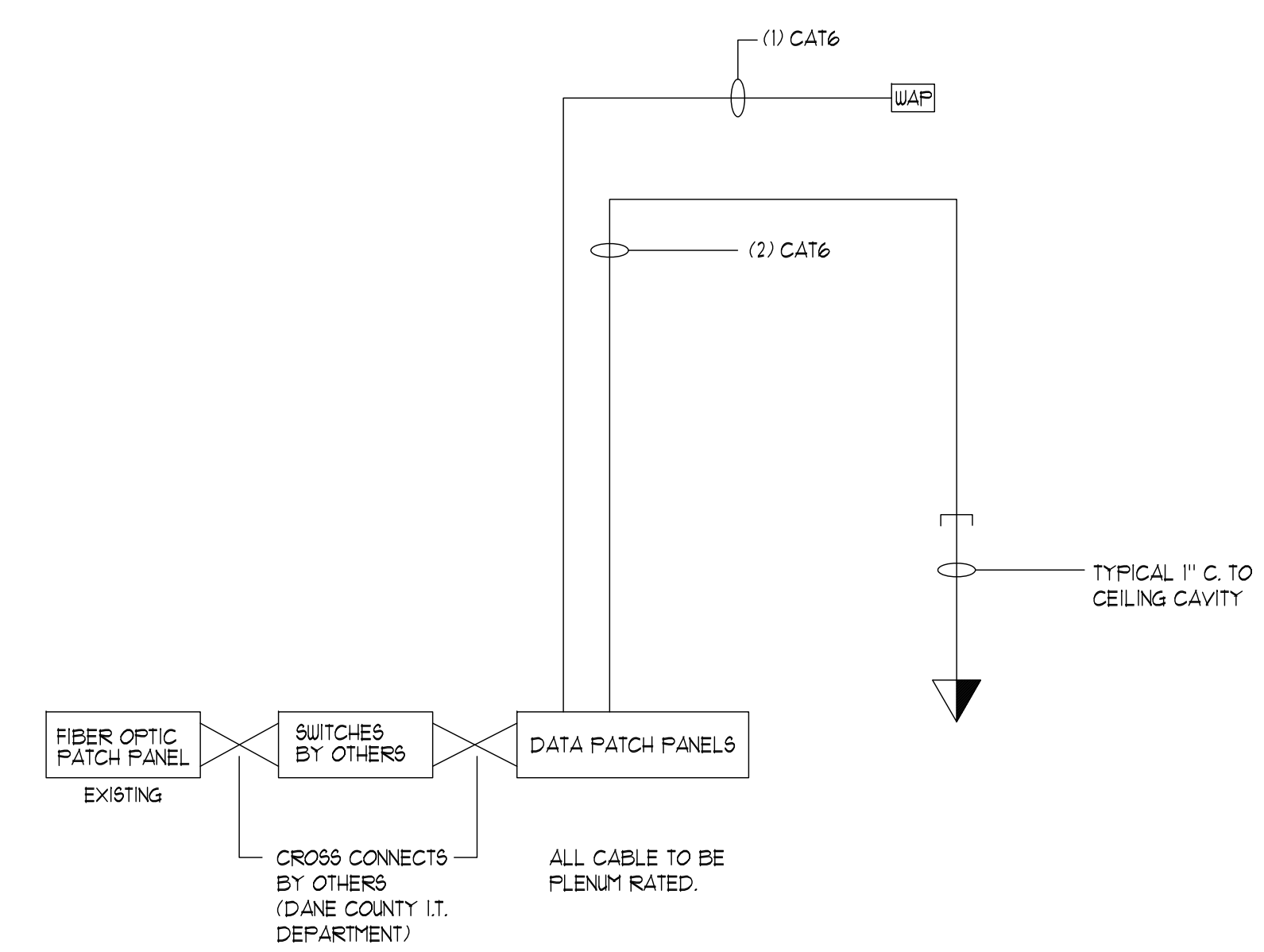
TAG	LAMP DATA		DESCRIPTION	LIGHTING FIXTURE		MOUNT	CEILING TYPE	VOLT	SEE NOTE
	NO	TYPE		MAKE	CATALOG NO				
A		LED	2 X 4 FLAT PANEL LED	MAXLITE	OWNER FURNISHED CONTRACTOR INSTALLED	RECESSED	GRID	120	
B		LED	2 X 2 FLAT PANEL LED	MAXLITE	OWNER FURNISHED CONTRACTOR INSTALLED	RECESSED	GRID	120	
X		LED	EXIT LIGHT		OWNER FURNISHED CONTRACTOR INSTALLED	TOP OR BACK	GRID	120	

- NOTES:**
- -
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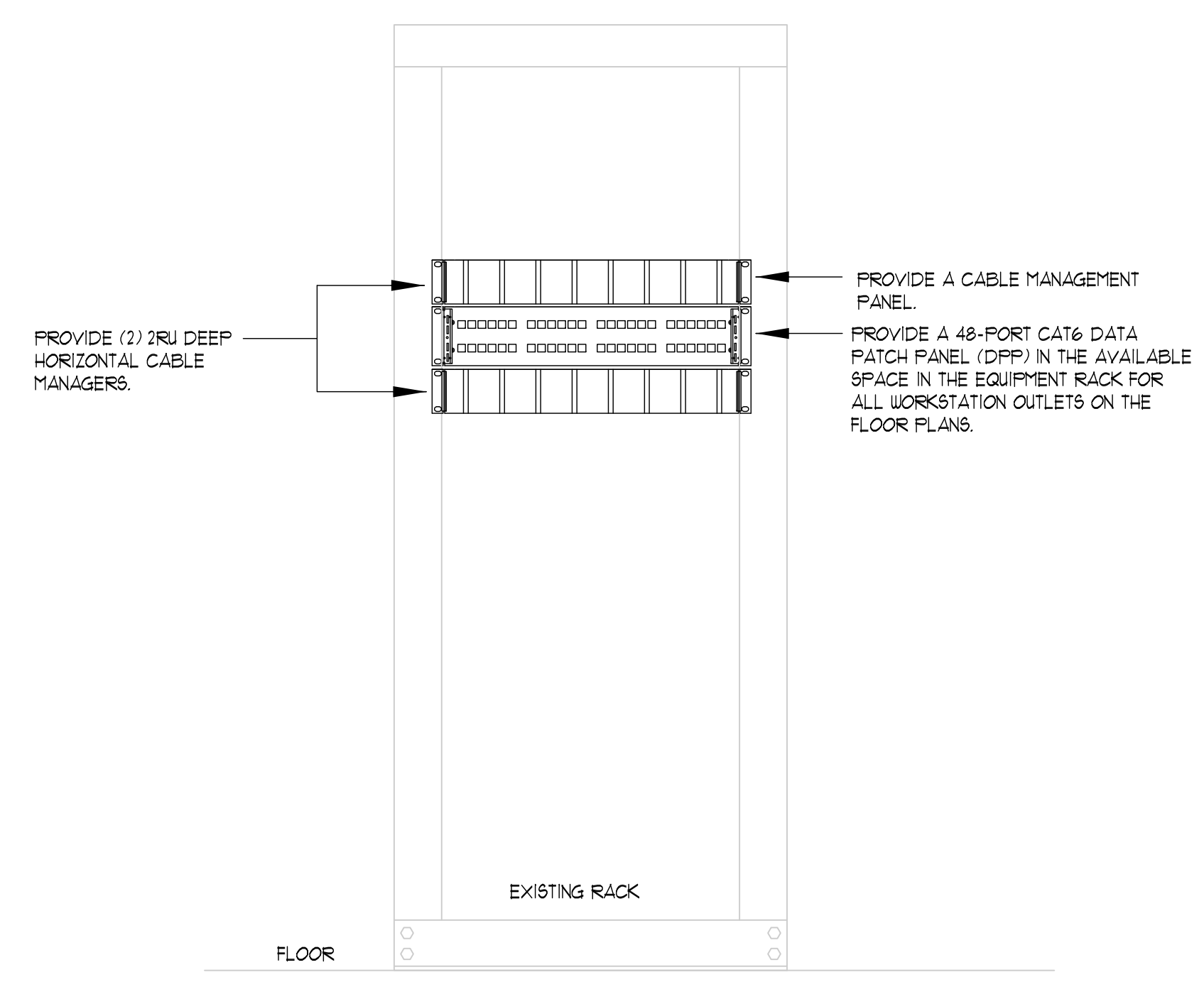
PANEL 3R

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		WATTS	#	A	B	C	#	WATTS	AMPS	POLES			
20	1	LIGHTING	L	910	1	1450		2	540	R	RECEPTACLES	20	1	
20	1	RECEPTACLES	R	900	3		1800	4	900	R	RECEPTACLES	20	1	
20	1	RECEPTACLES	R	900	5			1620	6	720	R	RECEPTACLES	20	1
20	1	RECEPTACLES	R	720	7	1260		8	540	R	RECEPTACLES	20	1	
20	1	MICROWAVE	R	1000	9		1500	10	500	R	COFFEE	20	1	
20	1	RECEPTACLES	R	360	11			860	12	500	R	COPIER	20	1
20	1	RECEPTACLES	R	720	13	1440		14	720	R	RECEPTACLES	20	1	
20	1	RECEPTACLES	R	900	15		900	16						
								17						
								19	0					
								21		0				
								23			0			
								25	0					
								27			0			
								29			0			
								31	0					
								33			0			
								35			0			
								37	0					
								39			0			
								41			0			
								42			0			
										PANEL TOTAL LOADS =			10830 WATTS	
													30.0811 AMPS	

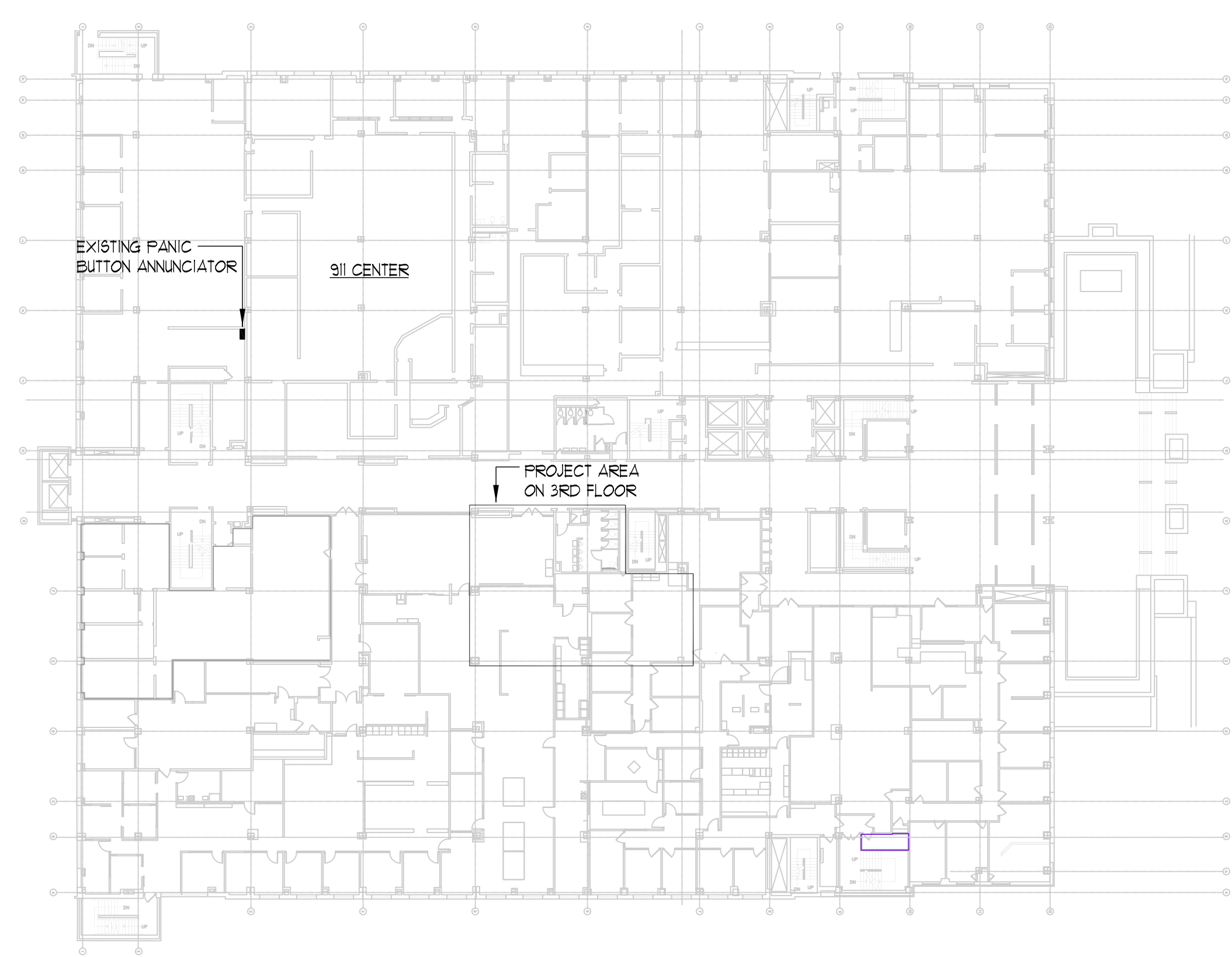
NOTES:
1) SHARED NEUTRALS ARE NOT ACCEPTABLE THROUGHOUT THIS PROJECT. EACH BREAKER MUST HAVE A SEPARATE NEUTRAL CONDUCTOR FOR EACH CIRCUIT.



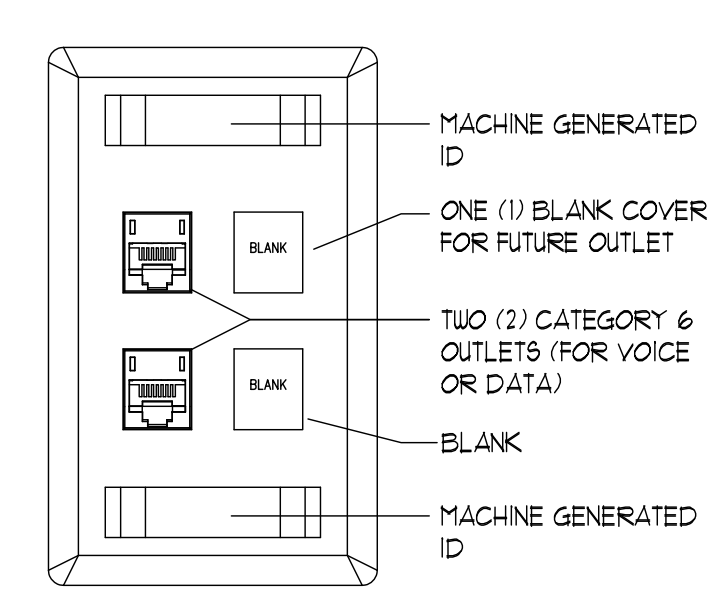
DATA RISER DIAGRAM - CATEGORY 6 PERFORMANCE
NO SCALE



RACK ELEVATION - WEST TELECOM CLOSET
NO SCALE



1 OVERALL FIRST FLOOR PLAN
1/32"=1'-0"



(PLAN SYMBOL: ▽ 4 = 4 JACKS)
TYPICAL WORKSTATION DATA OUTLET DETAIL
SCALE: NONE

PROJECT
TENANT IMPROVEMENTS
THIRD FLOOR
OFFICE FOR EQUITY AND
INCLUSION
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING,
JR. BLVD., MADISON, WI

DRAWING
ELECTRICAL DETAILS

DATE
03.28.16

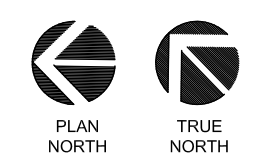
C16-028
CZARNECKI ENGINEERING INCORPORATED
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FACEBOOK: www.facebook.com/CzarneckiEngineeringInc

E3.0

- KEYED NOTES:**
- 1 RELOCATE EXISTING OCCUPANCY SENSOR.
 - 2 ADD NEW OCCUPANCY SENSOR.
 - 3 REPROGRAM EXISTING LUTRON GRAFIK-EYE TO ESTABLISH (4) PRESETS FOR OWNER'S DIRECTION.
 - 4 RELOCATED OCCUPANCY SENSOR.



1 LIGHTING CONTROL ADJUSTMENTS
1/8"=1'-0"
THIS WORK IS UNDER ALTERNATE BID 'B'



C16028
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PROJECT
 TENANT IMPROVEMENTS
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DATE
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