

MECHANICAL ABBREVIATIONS

AB	ABOVE	LF	LINEAR FEET
AFF	ABOVE FINISHED FLOOR	LB. #	POUNDS
AFG	ABOVE FINISHED GRADE	LDB	LEAVING DRY BULB TEMP.
AHJ	AUTHORITY HAVING JURISDICTION	LWB	LEAVING WET BULB TEMP.
ARCH	ARCHITECTURAL	LWT	LEAVING WATER TEMP.
BDD	BACK DRAFT DAMPER	MAX	MAXIMUM
BEL	BELOW	MBH	THOUSAND BTU PER HOUR
BF	BELOW FLOOR	MC	MECHANICAL CONTRACTOR
BJ	BETWEEN JOISTS	MCA	MINIMUM CIRCUIT AMPACITY
BOD	BOTTOM OF DUCT	MOD	MOTOR OPERATED DAMPER
BTM	BOTTOM	MFR	MANUFACTURER
BTU	BRITISH THERMAL UNIT	MIN	MINIMUM
CD	CEILING DIFFUSER	MTD, MTG	MOUNDED, MOUNTING
CFM	CUBIC FEET PER MINUTE	NC	NOISE CRITERIA
CLG	CEILING	NIC	NOT IN CONTRACT
CO	CLEAN CUT	OA	OUTSIDE AIR
CONN	CONNECT/CONNECTION	OAC	OPEN ABOVE CEILING
CONT	CONTINUED/CONTINUATION	OAI	OUTSIDE AIR INTAKE
COORD	COORDINATE	OC	ON CENTER
CW	DOMESTIC COLD WATER	ORD	OVERFLOW ROOF DRAIN
DB	DRY BULB	PC	PLUMBING CONTRACTOR
DEG. °	DEGREE	PH	PHASE
DIA, Ø	DIAMETER	PRV	PRESSURE REDUCING VALVE/
DISC	DISCONNECT		PRESSURE RELIEF VENT
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DWG	DRAWING	RA	RETURN AIR
EA	EXHAUST AIR	RD	ROOF DRAIN
EAT	ENTERING AIR TEMP.	RG	RETURN GRILLE
EC	ELECTRICAL CONTRACTOR	RPM	REVOLUTIONS PER MINUTE
EDB	ENTERING DRY BULB TEMP.	RWC	RAINWATER CONDUCTOR
EF	EXHAUST FAN	S	STORMWATER
ER	EXHAUST REGISTER	S&C	STUB AND CAP
ESP	EXTERNAL STATIC PRESSURE	SA	SUPPLY AIR
EWB	ENTERING WET BULB TEMP.	SAN	SANITARY
EWT	ENTERING WATER TEMP.	SF	SQUARE FEET
EX, (E)	EXISTING	SPEC	SPECIFICATIONS
FD	FIRE DAMPER/FLOOR DRAIN	SR	SUPPLY REGISTER
FLEX	FLEXIBLE	TD	TRANSFER DUCT
FPM	FEET PER MINUTE	TEMP	TEMPERATURE
FT	FOOT/FEET/IN TUBE	TG	TRANSFER GRILLE
FT HD	FEET OF HEAD	THRU	THROUGH
GA	GALLONAGE	TJ	THROUGH JOISTS
GAL	GALLON	TSP	TOTAL STATIC PRESSURE
GC	GENERAL CONTRACTOR	TSTAT	THERMOSTAT
GPH	GALLONS PER HOUR	TYP	TYPE
GPM	GALLONS PER MINUTE	UNO	UNLESS NOTED OTHERWISE
HC	HVAC CONTRACTOR	VAV	VARIABLE AIR VOLUME
HD	HUB DRAIN	VD	VOLUME DAMPER (MANUAL)
HORZ	HORIZONTAL	VFD	VARIABLE FREQUENCY DRIVE
HP	HORSE POWER	VTR	VENT THROUGH ROOF
HSTAT	HUMIDISTAT	W	WATTS/WASTE
ID	INSIDE DIAMETER	W/	WITH
IN, "	INCH	W/O	WITHOUT
INS	INSULATION	WB	WET BULB
INV	INVERT	WL	WEATHER LOUVER
ISP	INTERNAL STATIC PRESSURE	WPD	WATER PRESSURE DROP
IWG	INCHES WATER GAUGE	WTD	WATER TEMP. DROP
LAT	LEAVING AIR TEMP.	WTR	WATER TEMP. RISE
		XFMR	TRANSFORMER

HVAC SYMBOL LEGEND

	EXHAUST OR RELIEF AIR DUCT RISER
	SUPPLY AIR DUCT RISER
	RETURN AIR DUCT RISER
	ROOFTOP EXHAUSTER
	ROOFTOP INTAKE HOOD
	ROOFTOP RELIEF HOOD
	EXHAUST GRILLE OR REGISTER
	RETURN GRILLE OR REGISTER
	4-WAY CEILING DIFFUSER OR REGISTER
	2-WAY CEILING DIFFUSER
	2-WAY CORNER CEILING DIFFUSER
	3-WAY CEILING DIFFUSER
	DUCT (1ST FIGURE, SIDE SHOWN; 2ND FIGURE, SIDE NOT SHOWN)
	INCLINED RISE(R) OR DROP(D) ARROW
	STANDARD BRANCH FOR SUPPLY & RETURN (NO SPLITTER)
	MITERED ELBOW W/TURNING VANES
	MITERED ELBOW W/O TURNING VANES (USE ONLY WHERE SHOWN)
	FLEXIBLE CONNECTION
	HORIZONTAL FIRE DAMPER
	VERTICAL FIRE DAMPER
	MANUAL VOLUME DAMPER
	TERMOSTAT
	EMERGENCY BURNER SHUT-OFF SWITCH
	MOTOR OPERATED DAMPER
	CONTROL SWITCH
	DUCT SMOKE DETECTOR
	DOOR LOUVER, SEE ARCH. DWGS.
	DOOR UNDERCUT, SEE ARCH. DWGS.
	EXISTING WORK
	DEMOLITION WORK
	FLOOR CLEANOUT (CO)
	WALL CLEANOUT (CO)
	OVERHEAD CLEANOUT (CO)
	HOSE BIBB (HB)
	WALL HYDRANT (WH)
	ROOF DRAIN (RD)
	FLOOR DRAIN (FD)
	PIPE DROP
	BRANCH (TOP CONNECTION)

PIPING SYMBOL LEGEND

	COLD WATER (CW)
	HOT WATER (HW)
	HOT WATER RECIRCULATION (HWR)
	SOIL / WASTE (SAN)
	ROOFTOP EXHAUSTER
	ROOFTOP INTAKE HOOD
	ROOFTOP RELIEF HOOD
	EXHAUST GRILLE OR REGISTER
	RETURN GRILLE OR REGISTER
	4-WAY CEILING DIFFUSER OR REGISTER
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	ROOF DRAIN (RD)
	FLOOR DRAIN (FD)
	PIPE DROP
	BRANCH (TOP CONNECTION)

MECHANICAL GENERAL NOTES

- ALL WORK SHOWN IS TO BE CONSIDERED NEW AND PROVIDED UNDER THIS CONTRACT UNLESS SPECIFICALLY INDICATED AS EXISTING.
- CONNECT ALL DUCTS TO MECHANICAL EQUIPMENT BY FLEXIBLE DUCT CONNECTORS WITH NOT LESS THAN 3" SPACING BETWEEN DUCT AND EQUIPMENT.
- CONSTRUCT AND INSTALL ALL DUCTWORK IN ACCORDANCE WITH SMACNA.
- ALL DUCT DIMENSIONS ARE INSIDE DIMENSIONS.
- PROVIDE FUSIBLE LINK FIRE DAMPERS AT ALL DUCT PENETRATIONS OR GRILLE OPENINGS IN FIRE RATED WALLS OR FLOORS. PROVIDE DUCT ACCESS PANELS FOR ALL FIRE DAMPERS.
- INSTALL DUCT MOUNTED SMOKE DETECTOR(S) IN THE RETURN AIR STREAM OF AIR SYSTEMS OVER 2000 CFM, PER MANUFACTURER'S RECOMMENDATIONS, DOWNSTREAM OF ALL BRANCH CONNECTIONS, UPSTREAM OF ANY OUTSIDE AIR CONNECTIONS OR FILTERS, AND PROVIDE WIRING FOR FAN SHUTDOWN. DETECTOR IS TO BE FURNISHED AND CONNECTED TO THE FIRE ALARM SYSTEM BY OTHERS. IN OCCUPANCIES WHERE A FIRE ALARM SYSTEM IS NOT PRESENT AND/OR REQUIRED, THE DUCT SMOKE DETECTOR SHALL BE FURNISHED & WIRED BY THE MECHANICAL CONTRACTOR TO A REMOTE TEST STATION MANUFACTURED BY SIMPLEX, MODEL 4098-9842.
- INSTALL DUCTWORK, EQUIPMENT, AND PIPING CONCEALED IN CHASES OR ABOVE CEILINGS WHERE CEILINGS ARE INDICATED, UNLESS NOTED OTHERWISE. ELEVATIONS SHOWN ARE TO THE LOWEST POINT, UNLESS NOTED OTHERWISE.
- ANY PIPING SHOWN TO BE INSTALLED WITHIN AN EXTERIOR WALL MUST BE INSTALLED ON THE INTERIOR SIDE OF THE WALL INSULATION.
- WALL MOUNTED THERMOSTATS SHALL BE INSTALLED 44" ABOVE THE FLOOR AND HANDICAPPED ACCESSIBLE.
- INSTALL ROOFTOP EQUIPMENT NOT LESS THAN 10FT FROM THE ROOF EDGE OR ANY CHANGE IN ROOF HEIGHT GREATER THAN 2FT.
- PROVIDE 4" THICK CONCRETE PADS FOR EQUIPMENT INSTALLED ON FLOORS OR ON GRADE, 6" LARGER THAN THE EQUIPMENT ON ALL SIDES.
- SEAL OR CAP OPENINGS IN PIPES OR DUCTS UNTIL FINAL CONNECTIONS ARE MADE.
- INSTALL SUFFICIENT UNIONS IN PIPING SYSTEMS TO ALLOW SERVICE OF ANY CONNECTED EQUIPMENT WITHOUT BREAKING FITTINGS OR CUTTING PIPING CONNECTIONS.
- DIMENSIONS AND PIPE SIZES ARE IN INCHES UNLESS NOTED OTHERWISE.
- RUNOUTS TO EQUIPMENT SHALL BE RUN IN SIZES INDICATED ON PLANS OR SCHEDULES AND INCREASED OR REDUCED AT POINT OF FINAL CONNECTION.
- DO NOT RUN PIPING OR DUCTWORK OVER ELECTRICAL EQUIPMENT.
- PROVIDE SUFFICIENT CLEARANCE FOR OPERATION AND MAINTENANCE OF MECHANICAL EQUIPMENT ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE SERVICE CLEARANCE FOR ELECTRICAL EQUIPMENT AS REQUIRED BY THE NATIONAL ELECTRICAL CODE (NEC).
- CONNECT HW, CW, VENT & SAN LINES TO FIXTURES IN ACCORDANCE WITH SIZES INDICATED ON THE PLUMBING FIXTURE SCHEDULE WITH A 2" MINIMUM SIZE FOR SANITARY PIPING BELOW FLOOR.
- PIPING INSTALLED ABOVE CEILINGS SHALL BE BELOW THE ROOF INSULATION.
- SLOPE SANITARY PIPING 3" AND LARGER 1/8" PER FOOT, AND SMALLER PIPES 1/4" PER FOOT, UNLESS NOTED OTHERWISE.
- SLOPE GREASE WASTE PIPING UPSTREAM OF GREASE INTERCEPTOR 1/4" PER FOOT.
- ALL EXPOSED PLUMBING PIPING AND ACCESSORIES (VALVES, TRAPS, STRAINERS, ETC) SHALL BE CHROME PLATED.
- PROVIDE GAS SHUTOFF VALVE AND DIRT LEG AT ALL EQUIPMENT CONNECTIONS.
- PROVIDE BACKFLOW PREVENTER OR AIR GAP FOR ALL DOMESTIC HOT AND COLD WATER CONNECTIONS TO FIXTURES AND EQUIPMENT THAT DO NOT HAVE INTEGRAL AIR GAPS.
- PROVIDE SHUTOFF VALVES FOR ALL DOMESTIC WATER CONNECTIONS TO FIXTURES AND EQUIPMENT.
- PROVIDE ACCESS PANELS FOR ALL CONCEALED DAMPERS, VALVES, CONTROLS, AND EQUIPMENT OF SUFFICIENT SIZE FOR SERVICE AND ADJUSTMENT.
- COORDINATE LOCATIONS OF ALL PIPING, DUCTWORK, EQUIPMENT AND DEVICES BEFORE INSTALLATION, WITH THE WORK OF OTHER TRADES. WHERE A CONFLICT IN CLEARANCES OCCURS, OBTAIN CLARIFICATION FROM THE ENGINEER, ARCHITECT, OR OWNER. INSTALL ALL NECESSARY PIPING, DUCTWORK AND FITTINGS, ETC. THAT ARE REQUIRED FOR A COMPLETE SYSTEM WITHOUT ADDITIONAL COST TO THE CONTRACT.
- TEST INSTALLATIONS IN ACCORDANCE WITH THE APPROPRIATE CODE REQUIREMENTS AS EACH PORTION IS INSTALLED. FLUSH NEW DOMESTIC WATER PIPING UNTIL IT RUNS CLEAR, THEN FILL WITH 50PPM CHLORINE FOR 24 HOURS, THEN PURGE WITH FRESH WATER AND TEST FOR BACTERIAL CONTENT AND REPEAT IF NECESSARY.
- PROVIDE P-TRAPS FOR ALL SANITARY FIXTURE CONNECTIONS TO FIXTURES WITHOUT INTEGRAL P-TRAPS.
- PROVIDE CONDENSATE DRAINS WITH P-TRAPS FOR AIR HANDLING UNITS WITH COOLING COILS. DISCHARGE CONDENSATE TO ROOF, GRADE, OR INDIRECT WASTE.
- FOR ANY COOLING EQUIPMENT ABOVE CEILING, PROVIDE CONDENSATE OVERFLOW PROTECTION W/LIQUID DETECTOR AT TOP OF DRAIN PAN, WIRED TO SHUT DOWN THE SYSTEM.
- VERIFY MOUNTING HEIGHTS OF EQUIPMENT AND FIXTURES WITH ARCHITECTURAL DRAWINGS, AUTHORITY HAVING JURISDICTION, AND THE OWNER.

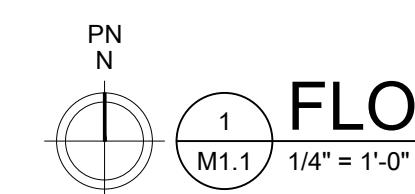
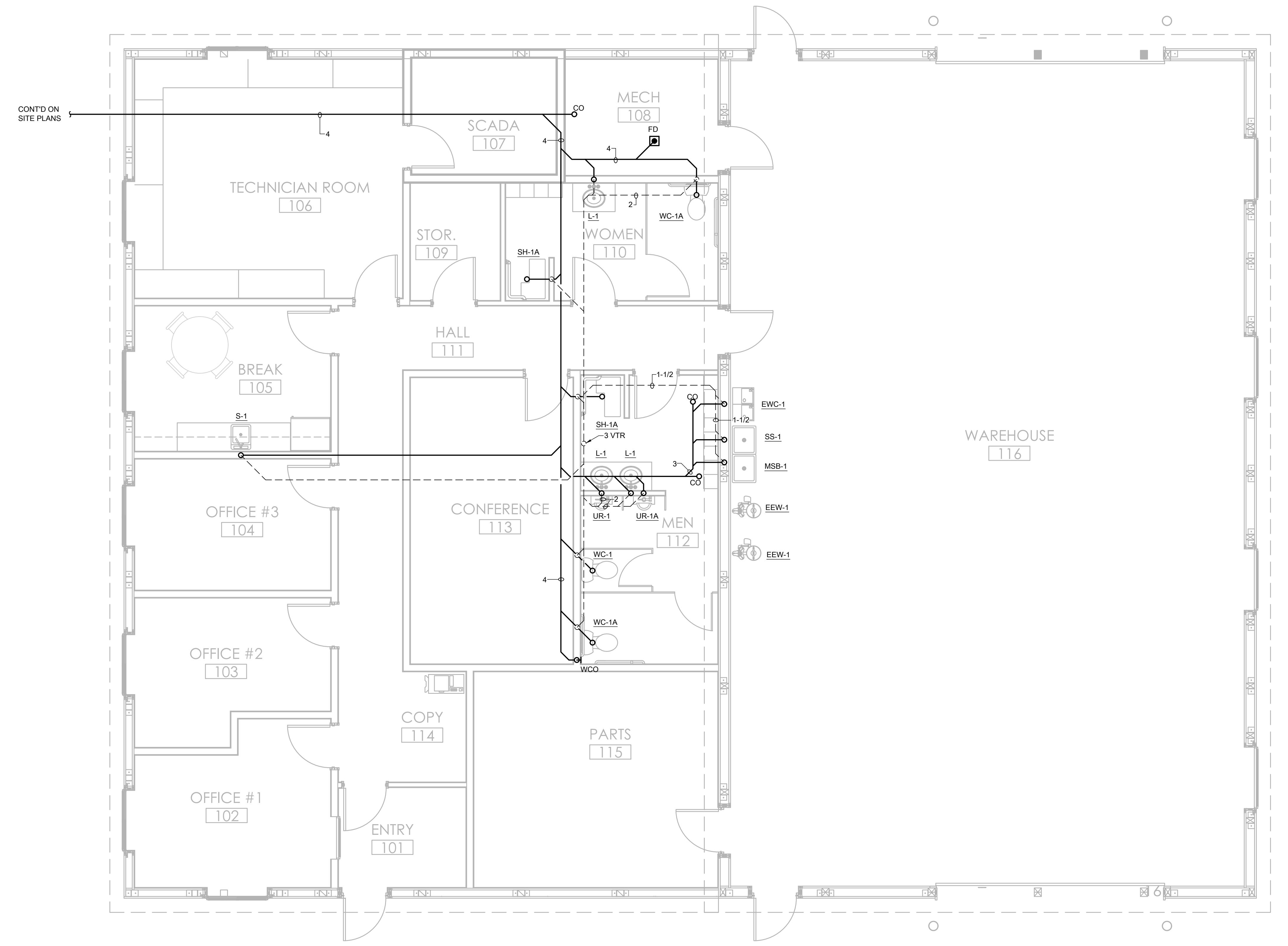
WELL PRESSURE TANK

TAG	DESCRIPTION
WT-1	40 PSI CUT-IN, 60 PSI CUT-OUT, 78 GAL, 53 GAL ACCEPTANCE VOLUME, 20 GAL DRAW-DOWN, BELL & GOSSETT WTA-404

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL	MOUNTING HEIGHT AFF (INCHED)	PIPE SIZES (INCHES)				REMARKS/ACCESSORIES
CW	HW	VENT	WASTE						

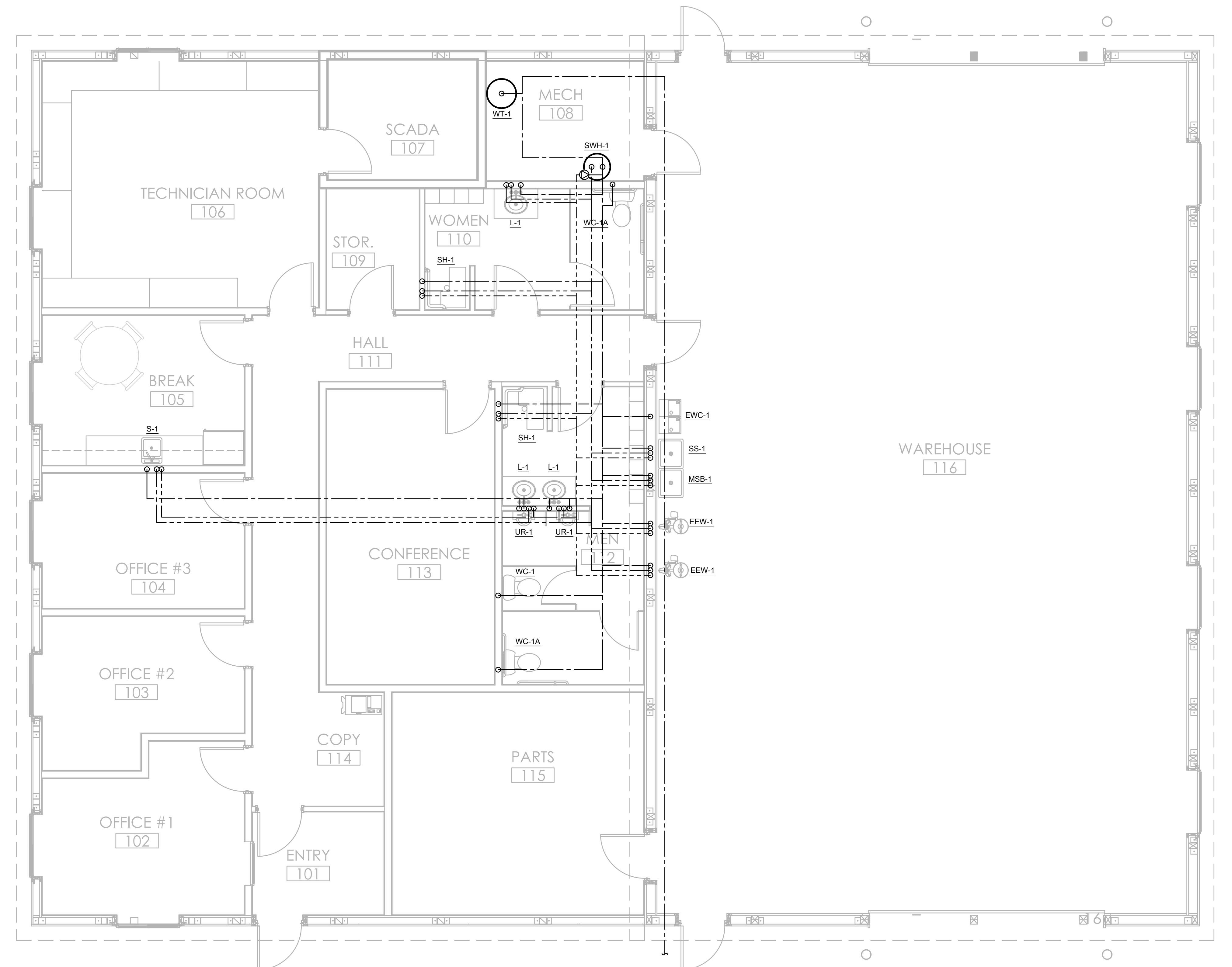
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FLOOR PLAN - SANITARY & VENT

DRAWN BY:	xxx
DATE:	01/23/2026
CHECKED BY:	
DATE:	-
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NAME:	FLOOR PLAN - SAN
SHEET NO.:	M1.1
OF:	M2.1



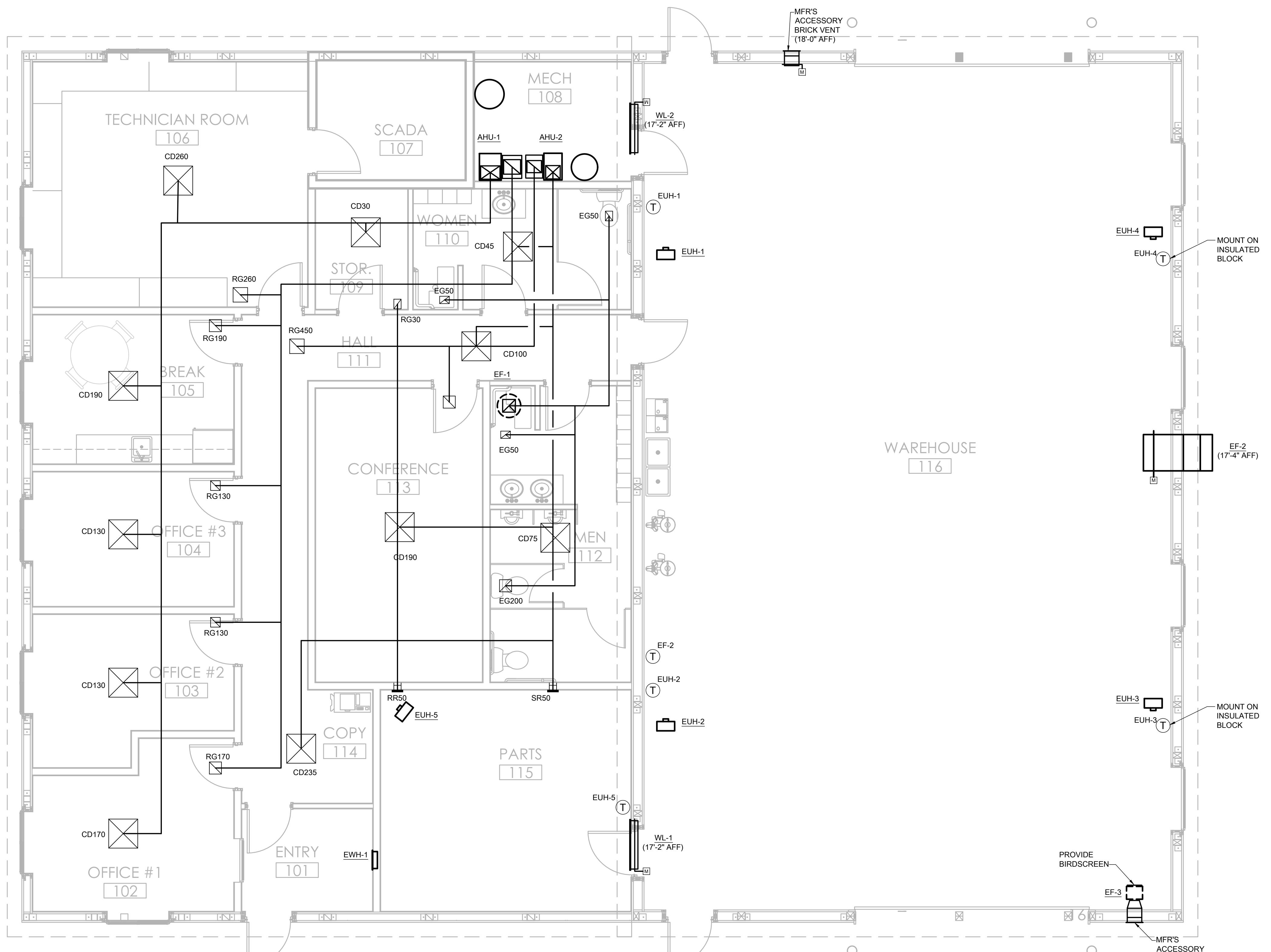
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REVISED DATE:	

FLOOR PLAN -
DOMESTIC WATER

SHEET NO.:	OF:
M1.2	M2.1

THE WESSON GROUP
PRAIRIEVILLE, LA

OFFICE:	
JOB NO.	0459-26-001



CEILING DIFFUSER SCHEDULE						
CFM	NECK	FLEX SIZE	MAX NC	THROW (FT) MAX. (50 FPM) - MIN. (100 FPM)		
				4-WAY	3-WAY	2-WAY
0-100	6x6	6	30	6-3	6/7 - 3/4	9-4
101-250	9x9	8	25	9-5	9/12 - 5/7	14-7
251-400	12x12	10	25	12-6	12/15 - 6/7	15-8
401-600	15x15	12	25	13-6	13/18 - 6/8	18-8
601-900	18x18	14	25	13-6	13/18 - 6/8	18-8
						19-9

GRILLE, REGISTER & DIFFUSER KEY

CD 0x0 000
(1) (2) (3)

NOTES
(1) ABBREVIATION FOR GRILLE, REGISTER OR DIFFUSER.
(2) NECK SIZE, SEE GRILLE, REGISTER, OR DIFFUSER SCHEDULE WHERE OMITTED.
(3) BALANCE AIRFLOW, SEE PLANS FOR AIRFLOW DIRECTION(S)

CFM	SIZE	APD	NC
0-100	8x6	0.10	30
101-150	8x8	0.10	30
151-250	10x10	0.08	30
251-400	12x12	0.08	25
401-600	18x12	0.08	25
601-900	18x18	0.08	25
901-2000	24x24	0.10	30

DRAWN BY: xxx
DATE: 01/23/2026
CHECKED BY:
DATE: -
REVISED DATE:
REVISED DATE:
REVISED DATE:

SHEET NAME: FLOOR PLAN - HVAC
SHEET NO: M2.1
OF: M2.1