

**KITCHEN GENERAL NOTES:**

- REFERENCE KITCHEN EQUIPMENT DRAWINGS FOR ITEMS TO BE FURNISHED AND / OR INSTALLED AND PROVIDE ITEMS AND WORK AS REQUIRED TO COMPLETE THE INSTALLATION OF PLUMBING SYSTEMS FOR KITCHEN EQUIPMENT. REFERENCE THE KITCHEN EQUIPMENT DRAWINGS FOR REQUIRED ROUGH-IN AND FINAL CONNECTIONS FOR KITCHEN EQUIPMENT. REFERENCE THE KITCHEN EQUIPMENT SHOP DRAWINGS PRIOR TO THE START OF INSTALLATION FOR ADDITIONAL REQUIREMENTS.
- REFERENCE THE KITCHEN EQUIPMENT PLUMBING CONNECTION SCHEDULE FOR ITEMS TO BE FURNISHED AND / OR INSTALLED AS REQUIRED TO COMPLETE THE INSTALLATION OF PLUMBING SYSTEMS FOR KITCHEN EQUIPMENT. REFERENCE KITCHEN EQUIPMENT DRAWINGS FOR THE EXACT LOCATION OF EQUIPMENT AND ROUGH-IN. REFERENCE THE KITCHEN EQUIPMENT SHOP DRAWINGS AND COORDINATE WITH THE OWNER FOR EXACT REQUIREMENTS PRIOR TO THE START OF INSTALLATION.
- REFERENCE THE KITCHEN EQUIPMENT PLUMBING CONNECTION SCHEDULE FOR ITEMS TO BE FURNISHED AND / OR INSTALLED AS REQUIRED TO COMPLETE THE INSTALLATION OF PLUMBING SYSTEMS FOR KITCHEN EQUIPMENT. COORDINATE WITH THE ARCHITECT FOR THE EXACT LOCATION OF EQUIPMENT AND ROUGH-IN. REFERENCE THE KITCHEN EQUIPMENT SHOP DRAWINGS AND COORDINATE WITH THE OWNER FOR EXACT REQUIREMENTS PRIOR TO THE START OF INSTALLATION.
- REFERENCE THE KITCHEN EQUIPMENT SHOP DRAWINGS AND COORDINATE WITH THE OWNER FOR ITEMS TO BE FURNISHED AND / OR INSTALLED AS REQUIRED TO COMPLETE THE INSTALLATION OF PLUMBING SYSTEMS FOR KITCHEN EQUIPMENT. COORDINATE WITH THE ARCHITECT FOR THE EXACT LOCATION OF EQUIPMENT AND ROUGH-IN.
- PROVIDE ITEMS AND WORK AS REQUIRED FOR A COMPLETE AND WORKING PLUMBING INSTALLATION FOR EACH PIECE OF KITCHEN EQUIPMENT. PROVIDE ROUGH-INS AND CONNECT TO THE KITCHEN EQUIPMENT WITH TRAPS, SUPPLIES, SHUTOFF VALVES, PIPES TO THE WALL, ESCUTCHEONS, ETC AS SHOWN, SPECIFIED AND REQUIRED.
- WHERE "FLEX" TUBING IS CALLED FOR, PROVIDE A FOUR FOOT COILED LENGTH OF TYPE "K" SOFT TUBING FROM WATER SHUT-OFF VALVE TO THE EQUIPMENT CONNECTION OF SAME SIZE AS CONNECTION TO KITCHEN EQUIPMENT WITH 1/4" BEING MINIMUM SIZE. PROVIDE CONNECTORS AND ADAPTERS AS REQUIRED.
- VERIFY GAS LOADS AND GAS ROUGH-IN OF KITCHEN EQUIPMENT WITH THE KITCHEN EQUIPMENT SHOP DRAWINGS PRIOR TO INSTALLING GAS PIPING. PROVIDE GAS COCKS, UNIONS, ETC. AS SPECIFIED AND REQUIRED. INSTALL GAS QUICK DISCONNECTS WHERE FURNISHED WITH THE KITCHEN EQUIPMENT.
- PROVIDE INDIRECT WASTE LINES OF SAME SIZE AS CONNECTION TO EQUIPMENT WITH 3/4" BEING MINIMUM SIZE. ROUTE FROM EQUIPMENT CONNECTION POINTS INDICATED TO FLOOR DRAIN OR FLOOR SINK. PROVIDE AIR GAP OF TWO PIPE DIAMETERS MINIMUM PER CODE.
- COMPLY WITH HEALTH DEPARTMENT REGULATIONS. PROVIDE CLEARANCE FOR CLEANING BEHIND AND UNDER EXPOSED PIPING AS REQUIRED BY HEALTH DEPARTMENT. CONFORM TO HEALTH DEPARTMENT REQUIREMENTS FOR LOCATIONS OF FLOOR SINKS.
- DO NOT INSTALL PLUMBING ROOF PENETRATIONS THROUGH GREASE FILTER PANS ON THE ROOF. REFER TO MECHANICAL DRAWINGS PRIOR TO START OF INSTALLATION.
- PROVIDE AIRTIGHT SEAL AROUND PIPING PENETRATIONS THROUGH WALK-IN COOLER OR FREEZER WALLS OR CEILINGS.
- DO NOT INSTALL PIPING IN COOLER OR FREEZER WALLS. INSTALL EXPOSED PIPING IN A NEAT MANNER.
- COORDINATE FLOOR DRAIN LOCATION AND FLOOR SLOPE; REQUIREMENTS WITH THE ARCHITECT.
- INSTALL RIM OF FLOOR DRAINS AND FLOOR SINKS BELOW FINISHED FLOOR LEVEL. SLOPE FLOOR TO DRAINS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
- COORDINATE LOCATION OF VENT, WATER, AND GAS PIPING TO AVOID CONFLICT WITH OTHER TRADES.
- CLEAN INSTALLED PLUMBING FIXTURES AND EQUIPMENT.
- PROVIDE WALL BACKING OR SPECIFIED CARRIERS FOR THE PROPER SUPPORT OF INSTALLED WALL HUNG FIXTURES AND EQUIPMENT.
- PROVIDE VERTICAL LIFT SPRING LOADED CHECK VALVES IN HOT AND COLD WATER SUPPLIES FOR 3-COMPARTMENT SINKS, PRE-RINSE UNITS, JANITOR SINKS, MIXING HOSE BIBBS & MIXING WALL HYDRANTS DOWNSTREAM OF SHUTOFF VALVES.
- SEAL AROUND INSTALLED FIXTURES AND KITCHEN EQUIPMENT WITH CAULK.
- PROVIDE APPROPRIATE BACKFLOW PREVENTION DEVICES FOR KITCHEN EQUIPMENT REQUIRING THEM PER LOCAL AUTHORITIES REQUIREMENTS. INSTALL BACKFLOW PREVENTION DEVICES FURNISHED WITH KITCHEN EQUIPMENT.

**GENERAL NOTES:**

- PROVIDE A CONSTRUCTION RECORD SET OF "AS-BUILT" DOCUMENTS TO THE ARCHITECT REFLECTING ANY VARIANCES OF INSTALLED PIPING LOCATIONS OR EQUIPMENT CONTRARY TO THE CONSTRUCTION DOCUMENTS, REFER TO SPECIFICATIONS.
- DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- PROVIDE TO THE ARCHITECT A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS, REFER TO SPECIFICATIONS.
- INSTALLATION SHALL MEET ALL REQUIREMENTS OF THE LANDLORD. OBTAIN A COPY OF THE LANDLORD'S REQUIREMENTS AND REVIEW PRIOR TO SUBMITTING BID.
- PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
- VERIFY SIZE, LOCATION AND DEPTH OF UTILITIES AT POINTS OF CONNECTION BEFORE START OF PIPING INSTALLATION.
- REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES.
- DO NOT SCALE FLOOR PLANS FOR EXACT HORIZONTAL LOCATION OF PIPE ROUTING.
- INSTALL CONCEALED PIPING TIGHT TO THE STRUCTURE AND AS HIGH AS POSSIBLE.
- VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
- INSTALL VALVES AND APPURTENANCES A MAXIMUM OF 24" ABOVE CEILING IN ACCESSIBLE LOCATION WITHIN 24" OF ACCESS DOORS OR ACCESSIBLE CEILING TILES. PROVIDE PIPE AND FITTINGS TO INSTALL VALVES AND APPURTENANCES AT REQUIRED HEIGHT AND WITHIN 24" OF ACCESS DOORS OR ACCESSIBLE CEILING TILES.
- INSTALL NO PLASTIC PIPE IN THE CEILING RETURN AIR PLENUM.
- COORDINATE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- COORDINATE PIPING INSTALLATION WITH STRUCTURAL GRADE BEAMS, FOOTINGS, COLUMN PIERS, ETC. SLEEVE PIPING THROUGH GRADE BEAMS, FOOTING, ETC. WHERE REQUIRED AND AS NOTED ON PLANS. COORDINATE SLEEVE INSTALLATIONS WITH THE ARCHITECT, STRUCTURAL ENGINEER, STRUCTURAL CONTRACTOR AND GENERAL CONTRACTOR BEFORE CONCRETE IS INSTALLED.
- CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING BUILDING OVER TO THE OWNER.
- PROVIDE TRAP PRIMERS WHERE REQUIRED BY LOCAL AUTHORITIES.
- COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT INSTALL PIPING OVER ELECTRICAL PANELS.
- PAINT EXPOSED OUTDOOR GAS PIPING USING RUST INHIBITOR PAINT. COORDINATE PAINT AND COLOR WITH THE ARCHITECT AND / OR OWNER.
- COORDINATE ALL ROOF PENETRATIONS WITH OTHER TRADES. MAINTAIN 10' MINIMUM CLEARANCE FROM ALL AIR INTAKES. MAINTAIN 2' CLEARANCE FROM ALL OTHER EQUIPMENT.
- INSULATE PIPING ROUTED IN EXTERIOR BUILDING WALLS WITH MINIMUM 2" BATT INSULATION TO PREVENT FREEZING.
- PROVIDE "HEAVY-DUTY" NO-HUB COUPLINGS ON SANITARY PIPING 4" AND LARGER. SEE DIVISION 22 SPECIFICATION SECTION "SANITARY DRAINAGE AND VENT AND PIPING SPECIALTIES" FOR MORE INFORMATION.
- PROVIDE "HEAVY-DUTY" NO-HUB COUPLINGS ON STORM PIPING, INCLUDING CONNECTIONS TO ROOF DRAINS. SEE DIVISION 22 SPECIFICATION SECTION "STORM DRAINAGE PIPING AND SPECIALTIES" FOR MORE INFORMATION.
- PROVIDE TRANSITION ADAPTER COUPLINGS FOR CONNECTION OF PVC DWV TO CAST IRON SANITARY, WASTE AND VENT PIPE AT SLAB ON GRADE. SEE DIVISION 22 SPECIFICATION SECTION "SANITARY DRAINAGE AND VENT PIPING AND SPECIALTIES" FOR MORE INFORMATION.
- PROVIDE TRANSITION ADAPTER COUPLINGS FOR CONNECTION OF PVC DWV TO CAST IRON STORM PIPE AT SLAB ON GRADE. SEE DIVISION 22 SPECIFICATION SECTION "STORM DRAINAGE PIPING AND SPECIALTIES" FOR MORE INFORMATION.
- FLOW CONTROL VALVES SHALL BE SIZE 1/2" AND SET AT 0.5 GPM UNLESS NOTED OTHERWISE.
- WATER HAMMER ARRESTORS SHALL BE SIZE "A" UNLESS NOTED OTHERWISE.
- PROVIDE VERTICAL LIFT SPRING LOADED CHECK VALVES IN HOT AND COLD WATER SUPPLIES FOR MOP SINK FAUCETS DOWNSTREAM OF SHUTOFF VALVES.
- PROVIDE WALL PIPES AT PIPING PENETRATIONS OF ELEVATED WATERPROOF FLOOR SLABS, REFER TO SPECIFICATIONS.
- PROVIDE SIZE AND LENGTH OF HOT WATER FIXTURE SUPPLY PIPE FROM CIRCULATED HOT WATER BRANCH OR MAIN TO TERMINATION OF HOT WATER FIXTURE SUPPLY PIPE AT EACH FIXTURE PER 2015 INTERNATIONAL ENERGY CONSERVATION CODE, TABLE C404.5.1. FOR 1/2" HOT WATER FIXTURE SUPPLY PIPE SIZE TO INDIVIDUAL LAVATORIES. PROVIDE MAXIMUM LENGTH OF TWO FEET. FOR 1/2" HOT WATER FIXTURE SUPPLY PIPE SIZE TO INDIVIDUAL SINKS, PROVIDE MAXIMUM LENGTH OF 43 FEET. FOR 3/4" HOT WATER FIXTURE SUPPLY PIPE SIZE TO INDIVIDUAL SINKS, PROVIDE MAXIMUM LENGTH OF 21 FEET.
- PAINT EXPOSED INDOOR WATER PIPING IN FINISHED SPACES. COORDINATE PAINT AND COLOR WITH THE ARCHITECT AND / OR OWNER.
- PROVIDE SEISMIC RESTRAINTS AS NEEDED FOR THE PLUMBING SYSTEMS IN THE PROJECT BASED ON THE SEISMIC ANALYSIS REQUIRED BY THE SPECIFICATIONS.
- INSTALL OVERHEAD HANGERS AND SUPPORTS FOR EQUIPMENT AND PIPING FASTENED TO BUILDING JOISTS OR BEAMS. DO NOT ATTACH HANGERS AND SUPPORTS TO THE ABOVE FLOOR SLAB OR ROOF EXCEPT WHERE CONCRETE INSERTS IN CONCRETE SLABS ARE ALLOWED BY THE SPECIFICATIONS.
- SEAL PENETRATIONS THROUGH THE BUILDING COMPONENTS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS.

**PLUMBING SYMBOLS**

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED.

V2.02

STANDARD MOUNTING HEIGHTS	
HOSE BIBB (CENTERLINE)	36"
JANITOR'S SINK FAUCET FITTINGS (CENTERLINE)	42"
LAVATORY OR SINK STANDARD HEIGHT (RIM) ADA ACCESSIBLE (RIM)	31" 34"
NON FREEZE WALL HYDRANT (AFG TO CENTERLINE)	18"
SHOWER HEAD MEN (CENTERLINE) WOMEN (CENTERLINE)	78" 72"
SHOWER VALVE STANDARD HEIGHT - MEN (CENTERLINE) STANDARD HEIGHT - WOMEN (CENTERLINE) ADA ACCESSIBLE (CENTERLINE)	48" 42" 38" TO 48"
URINAL STANDARD HEIGHT (RIM) ADA ACCESSIBLE (RIM) CHILD HEIGHT (RIM)	24" 17" 14"
WATER CLOSET STANDARD HEIGHT (RIM) ADA ACCESSIBLE (TOP OF SEAT) CHILD HEIGHT (RIM)	15" 17" TO 19" 10"
WATER COOLER OR DRINKING FOUNTAIN STANDARD HEIGHT (SPOUT) ADA ACCESSIBLE (SPOUT)	41" 36"

INSTALL PLUMBING FIXTURES AT THE MOUNTING HEIGHTS SHOWN ABOVE UNO IN THE ARCHITECTURAL DRAWINGS OR ELSEWHERE IN THE CONSTRUCTION DOCUMENTS. FINAL APPROVAL OF LOCATIONS BY ARCHITECT. MOUNTING HEIGHTS LISTED ABOVE, OR ELSEWHERE IN THE CONSTRUCTION DOCUMENTS, ARE AFF. UNO. ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL REQUIREMENTS.

ABBREVIATIONS			
ADA	AMERICANS WITH DISABILITIES ACT	MIN	MINIMUM
AFF	ABOVE FINISHED FLOOR	N/C	NORMALLY CLOSED
AFG	ABOVE FINISHED GRADE	N/O	NORMALLY OPEN
AHJ	AIR HANDLING UNIT	NIC	NOT IN CONTRACT
AP	ACCESS PANEL	ORD	OVERFLOW ROOF DRAIN
BAS	BUILDING AUTOMATION SYSTEM	PDI	PLUMBING DRAINAGE INSTITUTE
BFF	BELOW FINISHED FLOOR	PHIØ	PHASE
BFG	BELOW FINISHED GRADE	PRV	PRESSURE REDUCING VALVE
BOP	BOTTOM OF PIPE	PVC	POLYVINYL CHLORIDE
BOS	BOTTOM OF STRUCTURE	RCP	REINFORCED CONCRETE PIPE
BTU	BRITISH THERMAL UNIT	RD	ROOF DRAIN
CP	CONDENSATE PUMP	RPM	REVOLUTIONS PER MINUTE
CPVC	CHLORINATED POLYVINYL CHLORIDE	RTU	ROOFTOP UNIT
CU	COPPER	SF	SQUARE FEET
DI	DUCTILE IRON	SP	SUMP
DN	DOWN	SS	STAINLESS STEEL
DFU	DRAINAGE FIXTURE UNIT	TDH	TOTAL DYNAMIC HEAD
DS	DOWNSPOUT	TFA	TO FLOOR ABOVE
(E)	EXISTING	TFB	TO FLOOR BELOW
EMS	ENERGY MANAGEMENT SYSTEM	TYP	TYPICAL
ETR	EXISTING TO REMAIN	UL	UNDERWRITERS LABORATORIES, INC. UNLESS NOTED OTHERWISE
EWV	ELECTRIC WATER COOLER	UNO	UNLESS NOTED OTHERWISE
FD	FLOOR DRAIN	UPS	UNINTERRUPTIBLE POWER SUPPLY
FFA	FROM FLOOR ABOVE	VCP	VITRIFIED CLAY PIPE
FFB	FROM FLOOR BELOW	VFD	VARIABLE FREQUENCY DRIVE
FF	FINISHED FLOOR	VS	VENT STACK
FL	FLOW LINE	VTR	VENT THROUGH ROOF
FLA	FULL LOAD AMPS	W/	WITH
FLR	FLOOR	W/O	WITHOUT
GPM	GALLONS PER MINUTE	WC	WATER COLUMN
HD	HEAD, HUB DRAIN	WS	WASTE STACK
HZ	HERTZ	WSFU	WATER SUPPLY FIXTURE UNIT
IE	INVERT ELEVATION	WWS	WASTE VENT STACK
IN WC	INCHES OF WATER COLUMN		
JB	JUNCTION BOX		
J-BOX	JUNCTION BOX		
KW	KILOWATT		
MAU	MAKE-UP AIR UNIT		
MAX	MAXIMUM		
MBH	1000 BTU PER HOUR		
MH	MANHOLE		

PIPING SYMBOLS	
	OXYGEN OUTLET
	NITROGEN OXIDE OUTLET
	MEDICAL AIR OUTLET
	NITROGEN OUTLET
	MEDICAL VACUUM INLET
	FLOOR SINK (FS), SIZE & TYPE
	FLOOR DRAIN (FD), SIZE & TYPE
	ROOF DRAIN (RD), SIZE & TYPE
	BALL VALVE
	CONTROL VALVE
	SHUTOFF VALVE
	CHECK VALVE
	BALANCING VALVE WITH PRESSURE PORTS
	WATER METER
	STRAINER
	STRAINER WITH BLOWOFF
	RELIEF/SAFETY VALVE
	SOLENOID VALVE
	PRESSURE REDUCING VALVE
	GAS PRESSURE REGULATOR
	THERMOSTATIC MIXING VALVE
	PIPE ANCHOR
	EXPANSION JOINT
	BACKFLOW PREVENTER
	PRESSURE GAUGE
	THERMOMETER
	UNION
	FLANGE CONNECTION
	HOSE BIBB (HB)
	NON-FREEZING WALL HYDRANT (NW)
	MANUAL / AUTOMATIC AIR VENT OR VACUUM RELIEF VALVE
	PRESSURE / VACUUM SWITCH
	CLEANOUT
	CAP
	WALL CLEANOUT (WCO)
	FLOOR CLEANOUT (FCO)
	EXTERIOR CLEANOUT (ECO)
	ELBOW UP
	ELBOW DOWN
	TEE UP
	TEE DOWN
	ELBOW UP WITH SHUT-OFF VALVE (SOV)
	ELBOW DOWN WITH SHUT-OFF VALVE (SOV)
	TEE UP WITH SHUT-OFF VALVE (SOV)
	TEE DOWN WITH SHUT OFF VALVE (SOV)
	WATER HAMMER ARRESTER (WHA) WITH PDI SIZES, (A, B, C, D, & E)
	RECIRCULATION PUMP
	P-TRAP
	GAS COCK
	TRAP PRIMER
	TRAP PRIMER WITH DISTRIBUTION UNIT

LINETYPE LEGEND	
	EXISTING
	DEMOLISH
	NEW
	FUTURE

THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF ITEMS AS EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF NEW WORK AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE FUTURE. THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATIVE TO THE VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASES DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, SHAPE, ETC.

PIPING LINETYPES	
	DOMESTIC COLD WATER (CW)
	SOFTENED COLD WATER (SCW)
	DOMESTIC HOT WATER (HW)
	DOMESTIC HOT WATER RECIRC. (HWR)
	DOMESTIC HOT WATER (140°)
	TRAP PRIMER LINE (T)
	SOIL PIPING - ABOVE FLOOR (S)
	SOIL PIPING - BELOW FLOOR (S)
	WASTE PIPING - ABOVE FLOOR (W)
	WASTE PIPING - BELOW FLOOR (W)
	GREASE WASTE - ABOVE FLOOR (GW)
	GREASE WASTE - BELOW FLOOR (GW)
	COMBINATION GREASE WASTE AND VENT (CGWV)
	COMBINATION WASTE AND VENT (CWV)
	STORM DRAIN - ABOVE FLOOR (ST)
	STORM DRAIN - BELOW FLOOR (ST)
	OVERFLOW STORM DRAIN - ABOVE FLOOR (OST)
	VENT BELOW GRADE (VBG)
	VENT BELOW FLOOR (VBF)
	INDIRECT DRAIN (ID)
	CONDENSATE DRAIN - HIGH EFFICIENCY RTU (CDH)
	CONDENSATE DRAIN (CD)
	AUXILIARY CONDENSATE DRAIN (ACD)
	SUMP OR SEWAGE PUMP DISCHARGE (SPD)
	NATURAL GAS (G)
	NATURAL GAS ON ROOF (G)
	MEDIUM PRESSURE NATURAL GAS (MPG)
	MEDIUM PRESSURE NATURAL GAS ON ROOF (MPG)
	NON-POTABLE WATER (NPW)
	LIQUEFIED PETROLEUM GAS (LPG)
	WATER SERVICE (WS)
	FIRE PROTECTION SPRINKLER DRY (DPP)
	FIRE PROTECTION SPRINKLER WET (FP)
	FIRE PROTECTION STANDPIPE DRY (DSP)
	FIRE PROTECTION STANDPIPE WET (WSP)
	CONDENSATE PUMP DISCHARGE (PD)
	VENT PIPING (V)
	ACID WASTE - ABOVE FLOOR (AW)
	ACID WASTE - BELOW FLOOR (AW)
	ACID VENT (AV)
	GRAY WATER (GWS)
	COMPRESSED AIR (CA)
	MEDICAL AIR (MA)
	MEDICAL VACUUM (VE)
	HELIUM (HE)
	INSTRUMENT AIR (IA)
	INSTRUMENT VACUUM (IV)
	NITROGEN (N2)
	NITROGEN OXIDE (N2O)
	OXYGEN (O2)
	EVAC/WAGD (EV)
	CARBON DIOXIDE (CO2)
	MEDICAL AIR INTAKE (AI)
	MEDICAL VACUUM EXHAUST (VE)
	DENTAL AIR (DA)
	DENTAL VACUUM (DV)
	FILTERED WATER (FW1)
	FILTERED WATER W/ SCALE INHIBITOR (FW2)
	REVERSE OSMOSIS (RO)
	REVERSE OSMOSIS REMINERALIZATION (ROR)

HATCHING LEGEND	
ENLARGED PLAN	
NOT IN SCOPE (NIS)	



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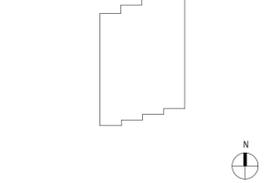
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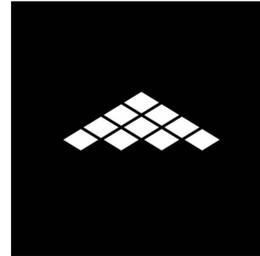
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KEY PLAN (N/S)

PROJECT NUMBER: 24531  
 SHEET NUMBER: 9050  
 DATE: 01.23.26  
 ISSUE: 100% DD

SCALE: 1/2" = 1'-0"  
 FORMAT: ARCH D

**P000**



### BENTONVILLE BALLROOM

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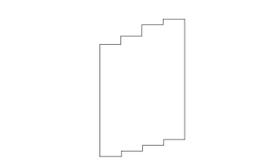
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PROJECT BY OTHERS.

**NOT FOR CONSTRUCTION**

KEY PLAN (NTS)

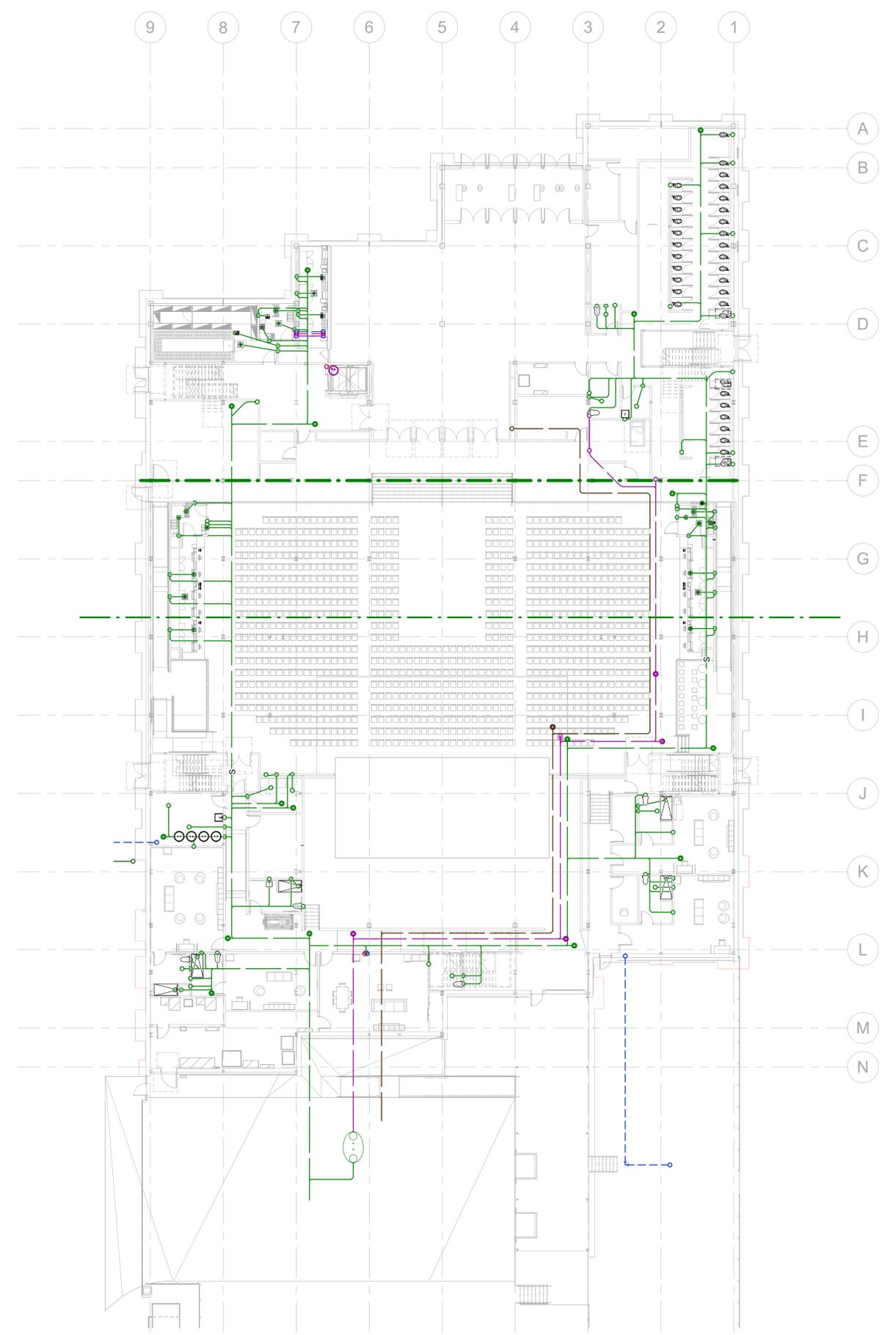


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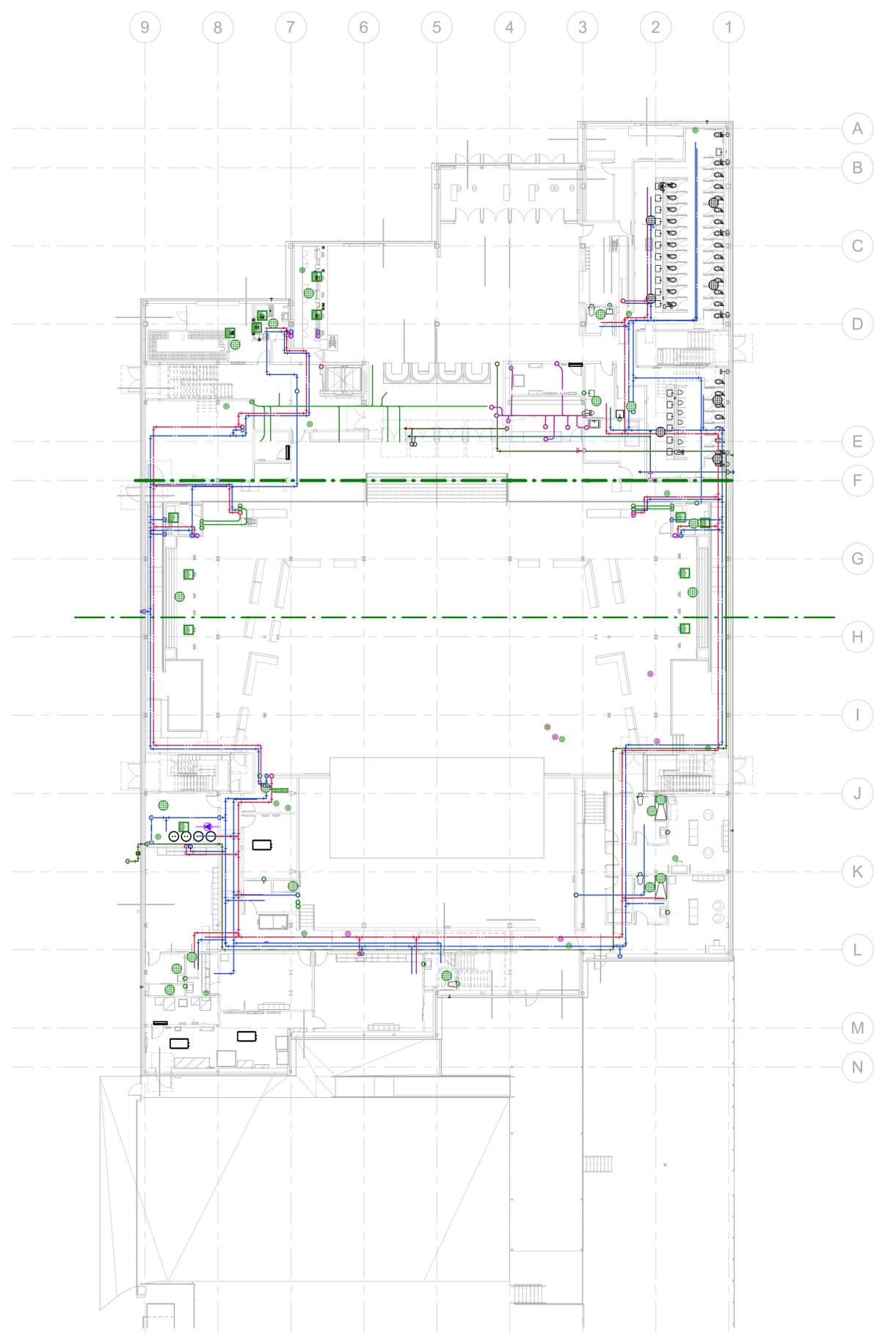
## PLUMBING OVERALL PLANS

PROJECT NUMBER: 24531  
JOB NUMBER: 5050  
SCALE: 1/16" = 1'-0"  
FORMAT: ARCH D

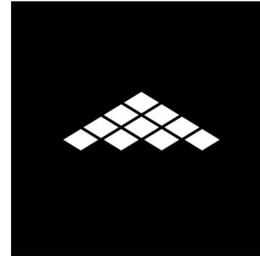
# P100



① PLUMBING UNDERGROUND PLAN - OVERALL  
1/16" = 1'-0"



② PLUMBING LEVEL 1 PLAN - OVERALL  
1/16" = 1'-0"



**BENTONVILLE BALLROOM**

85 E STREET & 85TH STREET  
BENTONVILLE, AR  
72715  
CLIENT  
**LIVE NATION**  
325 N. MAPLE DRIVE  
BEVERLY HILLS, CA  
90210

ARCHITECT  
**BIG** **BJARKE INGELS GROUP**  
45 MAN STREET, SUITE 901  
BROOKLYN, NY 10011, USA  
T +1 347 581 8141

EXECUTIVE ARCHITECT  
**POLK STANLEY WILCOX**  
50 W. SPRING ST., SUITE 150  
FAYETTEVILLE, AR 72701  
T +1 479 444 0573

STRUCTURAL ENGINEER  
**MARTIN MARTIN**  
859 SOUTH WALTON BLVD., SUITE 30  
BENTONVILLE, AR 72712  
T +1 479 457 5945

MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION ENGINEER  
**HENDERSON ENGINEERS**  
859 SOUTH WALTON BLVD., SUITE 100  
BENTONVILLE, AR 72712  
T +1 479 773 0021

CIVIL ENGINEER & LANDSCAPE ARCHITECT  
**ECOLOGICAL DESIGN GROUP**  
216 WEST BIRCH ST  
RODGERS, AR 72756  
T +1 479 378 0200

LIGHTING DESIGN  
**VISUAL TERRAIN**  
25213 AVENUE TERRITTS  
SANTA CARITA, CA 91355  
T +1 805 775 7758

LIGHTING CONTROLS & PRODUCTION  
**BANDIT LITES**  
2233 BYCAMORE DR.  
KNOXVILLE, TN 37921  
T +1 865 971 3071

ACOUSTICS  
**SALAS O'BRIEN**  
19 DECKER DRIVE, SUITE 200  
IRVING, TX 75062  
T +1 972 812 1275

ACOUSTICS  
**METROPOLITAN ACOUSTICS**  
1638 JX BLVD., 8 PENN CENTER, SUITE 1002  
PHILADELPHIA, PA 19103  
T +1 215 248 4302

FOOD SERVICE  
**TRIMARK**  
210 COMMERCE  
IRVING, CA 93022  
T +1 669 662 6933

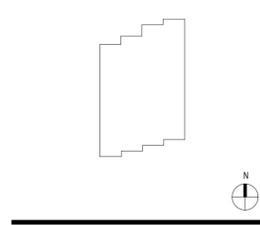
ACOUSTICS  
**METROPOLITAN ACOUSTICS**  
1638 JX BLVD., 8 PENN CENTER, SUITE 1002  
PHILADELPHIA, PA 19103  
T +1 215 248 4302

01.23.26 100% DD  
DATE ISSUE  
SEAL

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**NOT FOR CONSTRUCTION**

KEY PLAN (NTS)

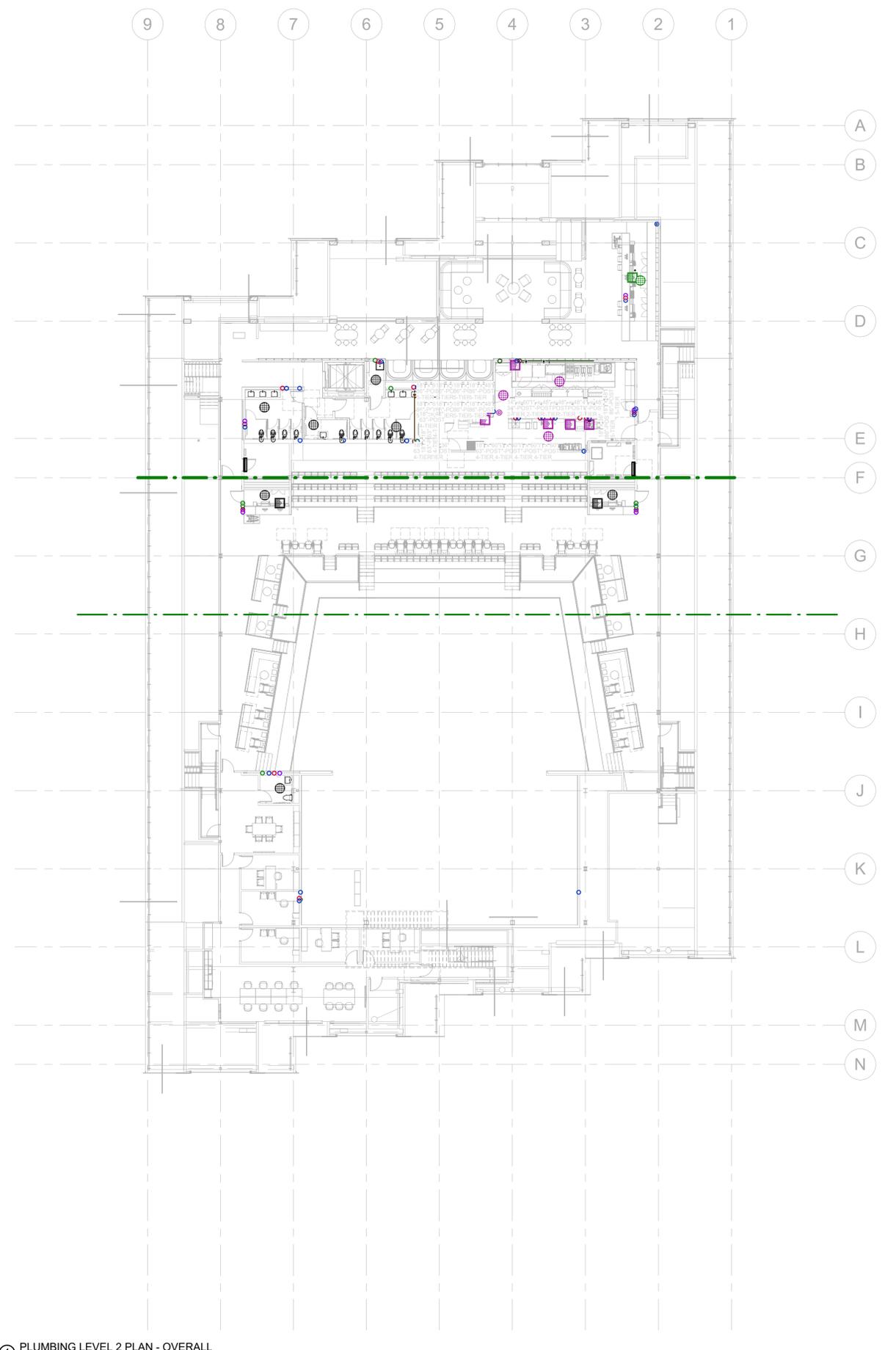


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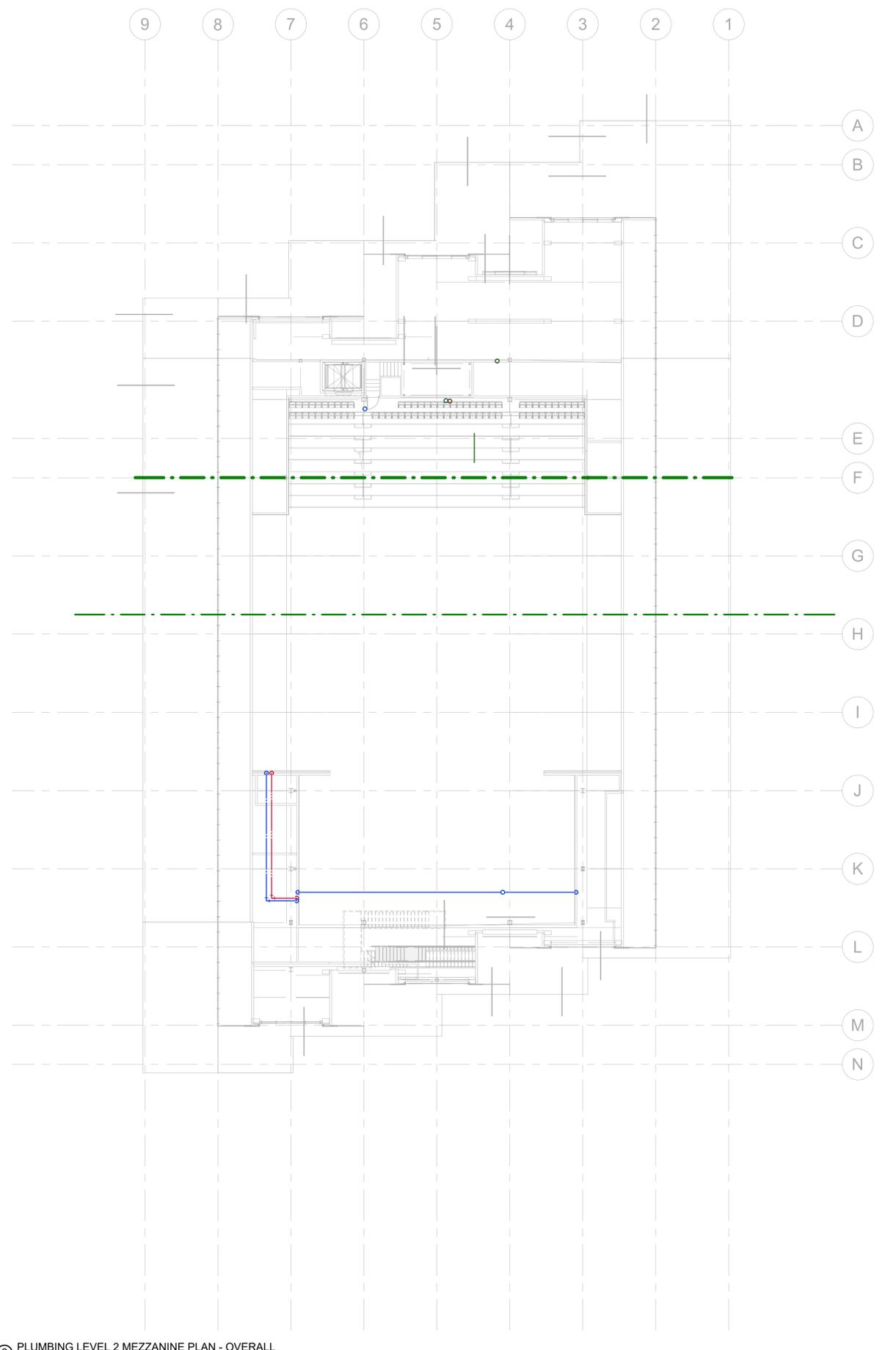
**PLUMBING OVERALL  
PLANS**

PROJECT NUMBER SHEET NUMBER  
**24531**  
JOB NUMBER  
**5050**  
SCALE  
**1/16" = 1'-0"**  
FORMAT  
**ARCH D**

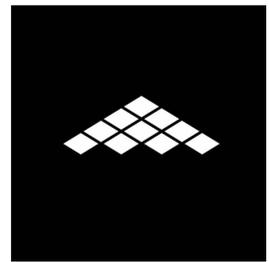
**P101**



① PLUMBING LEVEL 2 PLAN - OVERALL  
1/16" = 1'-0"



② PLUMBING LEVEL 2 MEZZANINE PLAN - OVERALL  
1/16" = 1'-0"



### BENTONVILLE BALLROOM

86 E STREET & SE 8TH STREET  
BENTONVILLE, AR  
72712

CLIENT

**LIVE NATION**  
325 N. MAPLE DRIVE  
BEVERLY HILLS, CA  
90210

ARCHITECT

**BIG**  
45 MAN STREET, SUITE 901  
BROOKLYN, NY 10011, USA  
T +1 347 586 8141

**BJARKE INGELS GROUP**  
STRUCTURAL ENGINEER

EXECUTIVE ARCHITECT

**POLK STANLEY WILCOX**  
509 W. SPRING ST., SUITE 150  
FAVETTEVILLE, AR 72701  
T +1 430 444 0073

**MARTIN MARTIN**  
859 SOUTH WALTON BLVD., SUITE 30  
BENTONVILLE, AR 72712  
T +1 430 437 3945

MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION ENGINEER

**HENDERSON ENGINEERS**  
859 SOUTH WALTON BLVD., SUITE 100  
BENTONVILLE, AR 72712  
T +1 430 773 0021

CIVIL ENGINEER & LANDSCAPE ARCHITECT

**ECOLOGICAL DESIGN GROUP**  
216 WEST BIRCH ST.  
RODGERS, AR 72756  
T +1 501 378 0200

LIGHTING DESIGN

**VISUAL TERRAIN**  
25213 AVENUE TERRITTS  
SANTA CARITA, CA 91555  
T +1 661 773 7758

LIGHTING CONTROLS & PRODUCTION

**BANDIT LITES**  
2233 BYCAMORE DR.  
KNOXVILLE, TN 37921  
T +1 865 971 3071

ACOUSTICS

**SALAS O'BRIEN**  
156 DECKER DRIVE, SUITE 200  
IRVING, TX 75062  
T +1 972 812 1275

ACOUSTICS

**METROPOLITAN ACOUSTICS**  
1638 JFK BLVD., 8 PENN CENTER, SUITE 1002  
PHILADELPHIA, PA 19103  
T +1 215 248 4302

FOOD SERVICE

**TRIMARK**  
210 COMMERCE  
IRVING, CA 93002  
T +1 866 663 6933

ACOUSTICS

**METROPOLITAN ACOUSTICS**  
1638 JFK BLVD., 8 PENN CENTER, SUITE 1002  
PHILADELPHIA, PA 19103  
T +1 215 248 4302

01.23.26 100% DD

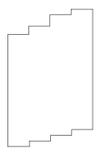
DATE ISSUE

SEAL

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**NOT FOR CONSTRUCTION**

KEY PLAN (NTS)



SHEET NAME

## PLUMBING OVERALL PLANS

PROJECT NUMBER SHEET NUMBER

24531

5050

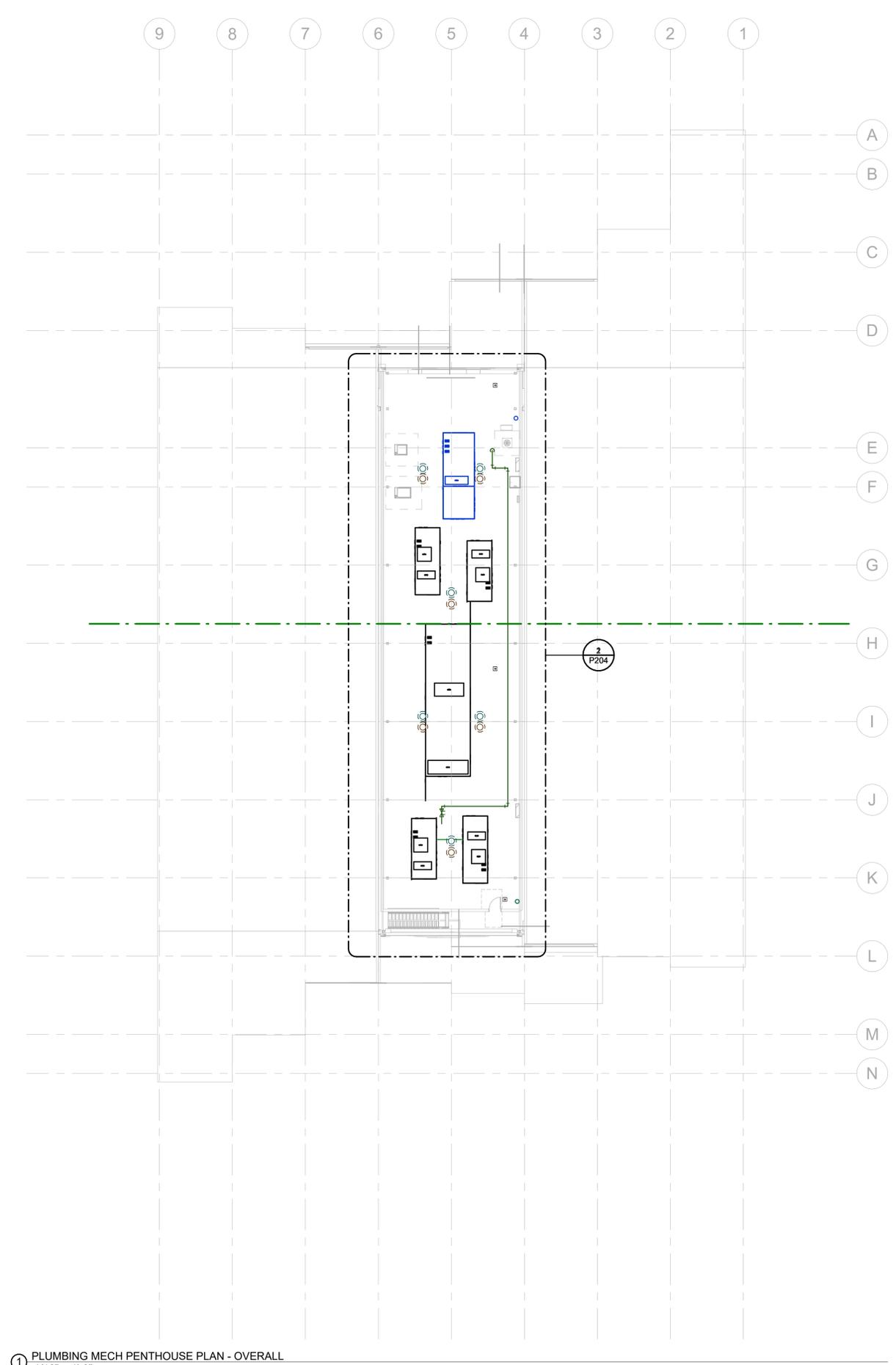
SCALE

1/16" = 1'-0"

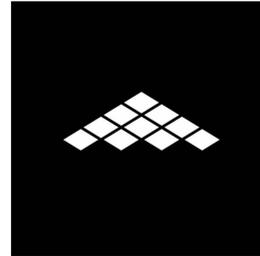
FORMAT

ARCH D

# P102



1 PLUMBING MECH PENTHOUSE PLAN - OVERALL  
1/16" = 1'-0"



**BENTONVILLE BALLROOM**

SE 6 STREET & SE 8TH STREET  
BENTONVILLE, AR  
72712

CLIENT

**LIVE NATION**  
325 N. MAPLE DRIVE  
BEVERLY HILLS, CA  
90210

ARCHITECT

**BIG**

**BJARKE INGELS GROUP**  
45 MAN STREET, SUITE 900  
BROOKLYN, NY 10011, USA  
T +1 347 584 8141

EXECUTIVE ARCHITECT

**POLK STANLEY WILCOX**  
500 W. SPRING ST., SUITE 150  
FAYETTEVILLE, AR 72701  
T +1 430 444 0373

STRUCTURAL ENGINEER  
**MARTIN MARTIN**  
809 SOUTH WALTON BLVD., SUITE 30  
BENTONVILLE, AR 72712  
T +1 430 437 5945

MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION ENGINEER

**HENDERSON ENGINEERS**  
809 SOUTH WALTON BLVD., SUITE 100  
BENTONVILLE, AR 72712  
T +1 430 773 0021

CIVIL ENGINEER & LANDSCAPE ARCHITECT

**ECOLOGICAL DESIGN GROUP**  
216 WEST BIRCH ST.  
RODGERS, AR 72756  
T +1 501 378 0200

LIGHTING DESIGN

**VISUAL TERRAIN**  
25213 AVENUE TERRITTS  
SANTA CARITA, CA 91355  
T +1 460 773 7758

LIGHTING CONTROLS & PRODUCTION  
**BANDIT LITES**  
2233 BYCAMORE DR.  
KNOXVILLE, TN 37921  
T +1 865 971 3071

ACOUSTICS

**SALAS O'BRIEN**  
106 DECKER DRIVE, SUITE 200  
IRVING, TX 75062  
T +1 972 812 1275

ACOUSTICS  
**METROPOLITAN ACOUSTICS**  
1628 JX BLVD., 8 PENN CENTER, SUITE 1002  
PHILADELPHIA, PA 19103  
T +1 215 248 4302

FOOD SERVICE

**TRIMARK**  
210 COMMERCE  
IRVING, CA 93002  
T +1 909 662 8833

ACOUSTICS  
**METROPOLITAN ACOUSTICS**  
1628 JX BLVD., 8 PENN CENTER, SUITE 1002  
PHILADELPHIA, PA 19103  
T +1 215 248 4302

01.23.26 100% DD

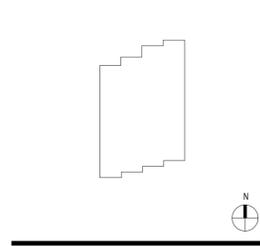
DATE ISSUE

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KEY PLAN (NTS)



SHEET NAME

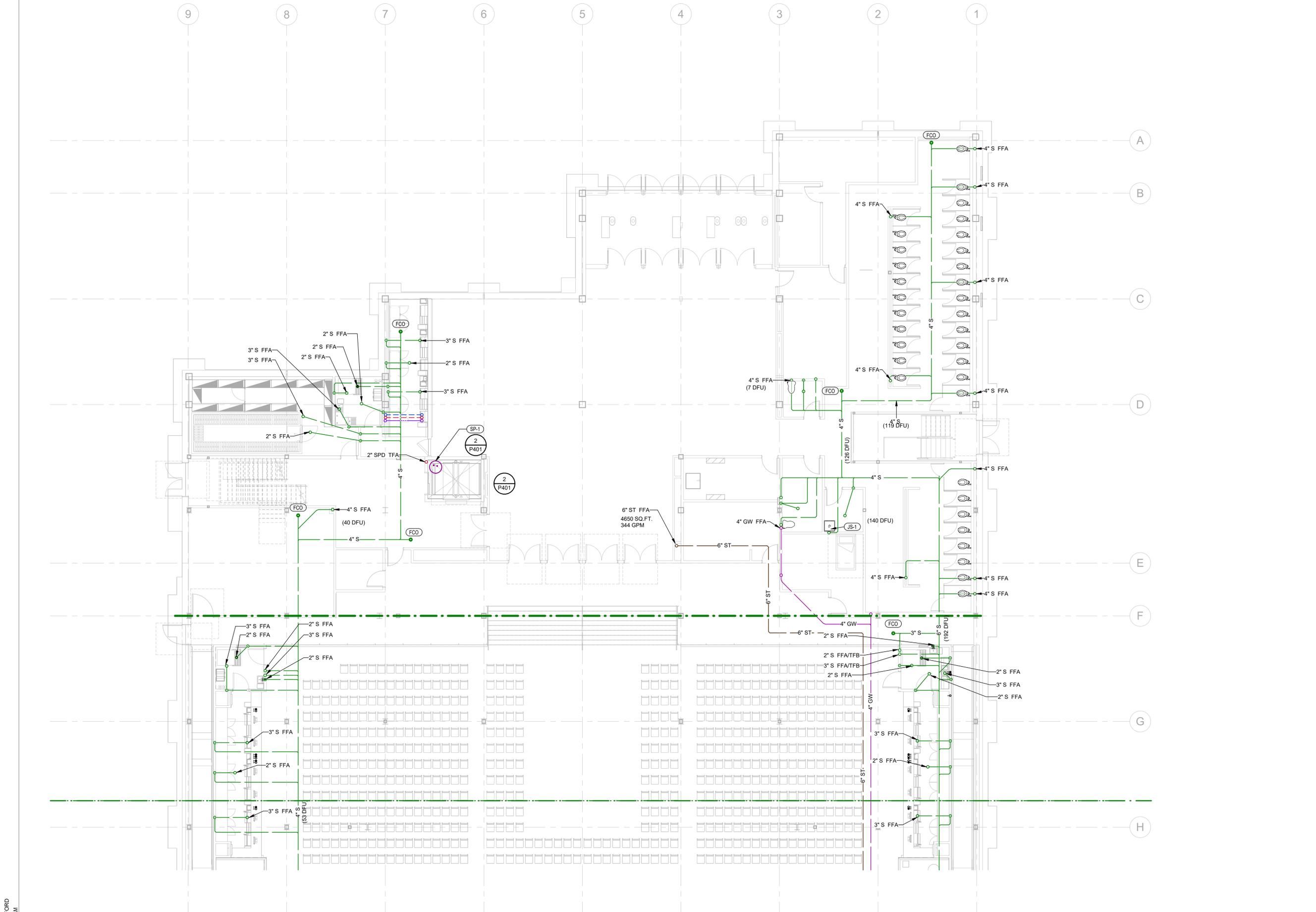
**PLUMBING  
UNDERGROUND PLAN -  
AREA A**

PROJECT NUMBER SHEET NUMBER  
**24531 5950**

SCALE  
**1/8" = 1'-0"**

FORMAT  
**ARCH D**

**P200A**



**1 PLUMBING UNDERGROUND PARTIAL PLAN NORTH**  
1/8" = 1'-0"

DAVID S. WOLFORD  
1/22/2026 9:06:55 AM

**PLUMBING PLAN NOTES**

PG1 REFER TO CIVIL DRAWINGS FOR CONTINUATION 5 FEET OUTSIDE OF BUILDING.



**BENTONVILLE BALLROOM**

86 E STREET & 8TH STREET  
BENTONVILLE, AR  
72712

CLIENT

**LIVE NATION**  
325 N. MAPLE DRIVE  
BEVERLY HILLS, CA  
90210

ARCHITECT

**BIG**

EXECUTIVE ARCHITECT

**POLK STANLEY WILCOX**  
509 W. SPRING ST., SUITE 150  
FAVETTESVILLE, AR 72701  
1-489-444-0073

MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION ENGINEER

**HENDERSON ENGINEERS**

855 SOUTH WALTON BLVD., SUITE 100  
BENTONVILLE, AR 72712  
1-489-770-0021

CIVIL ENGINEER & LANDSCAPE ARCHITECT

**ECOLOGICAL DESIGN ARCHITECT**

216 WEST BIRCH ST.  
RODGERS, AR 72756  
1-501-378-0200

LIGHTING DESIGN

**VISUAL TERRAIN**

25213 AVENUE TERRITTS  
SANTA CARITA, CA 91355  
1-489-770-7708

ACOUSTICS

**SALAS O'BRIEN**

196 DECKER DRIVE, SUITE 200  
IRVING, TX 75062  
1-972-812-1270

ACOUSTICS

**TRIMARK**

210 COMMERCIAL  
IRVING, CA 93022  
1-866-663-8833

**BJARKE INGELS GROUP**  
45 MAN STREET, SUITE 900  
BROOKLYN, NY 11201, USA  
1-347-588-1841

STRUCTURAL ENGINEER

**MARTIN MARTIN**

859 SOUTH WALTON BLVD., SUITE 30  
BENTONVILLE, AR 72712  
1-489-407-9545

MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION ENGINEER

**HENDERSON ENGINEERS**

855 SOUTH WALTON BLVD., SUITE 100  
BENTONVILLE, AR 72712  
1-489-770-0021

CIVIL ENGINEER & LANDSCAPE ARCHITECT

**ECOLOGICAL DESIGN ARCHITECT**

216 WEST BIRCH ST.  
RODGERS, AR 72756  
1-501-378-0200

LIGHTING CONTROLS & PRODUCTION

**BANDIT LITES**

2233 BYCAMORE DR.  
KNOXVILLE, TN 37921  
1-865-971-3071

ACOUSTICS

**METROPOLITAN ACOUSTICS**

1638 JX BLVD., 8 PENN CENTER, SUITE 1002  
PHILADELPHIA, PA 19103  
1-215-248-4302

ACOUSTICS

**METROPOLITAN ACOUSTICS**

1638 JX BLVD., 8 PENN CENTER, SUITE 1002  
PHILADELPHIA, PA 19103  
1-215-248-4302

01.23.26 100% DD

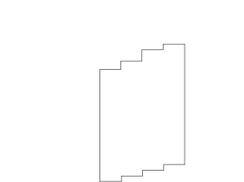
DATE ISSUE

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KEY PLAN (NTS)



SHEET NAME

**PLUMBING UNDERGROUND PLAN - AREA B**

PROJECT NUMBER SHEET NUMBER

24531

5950

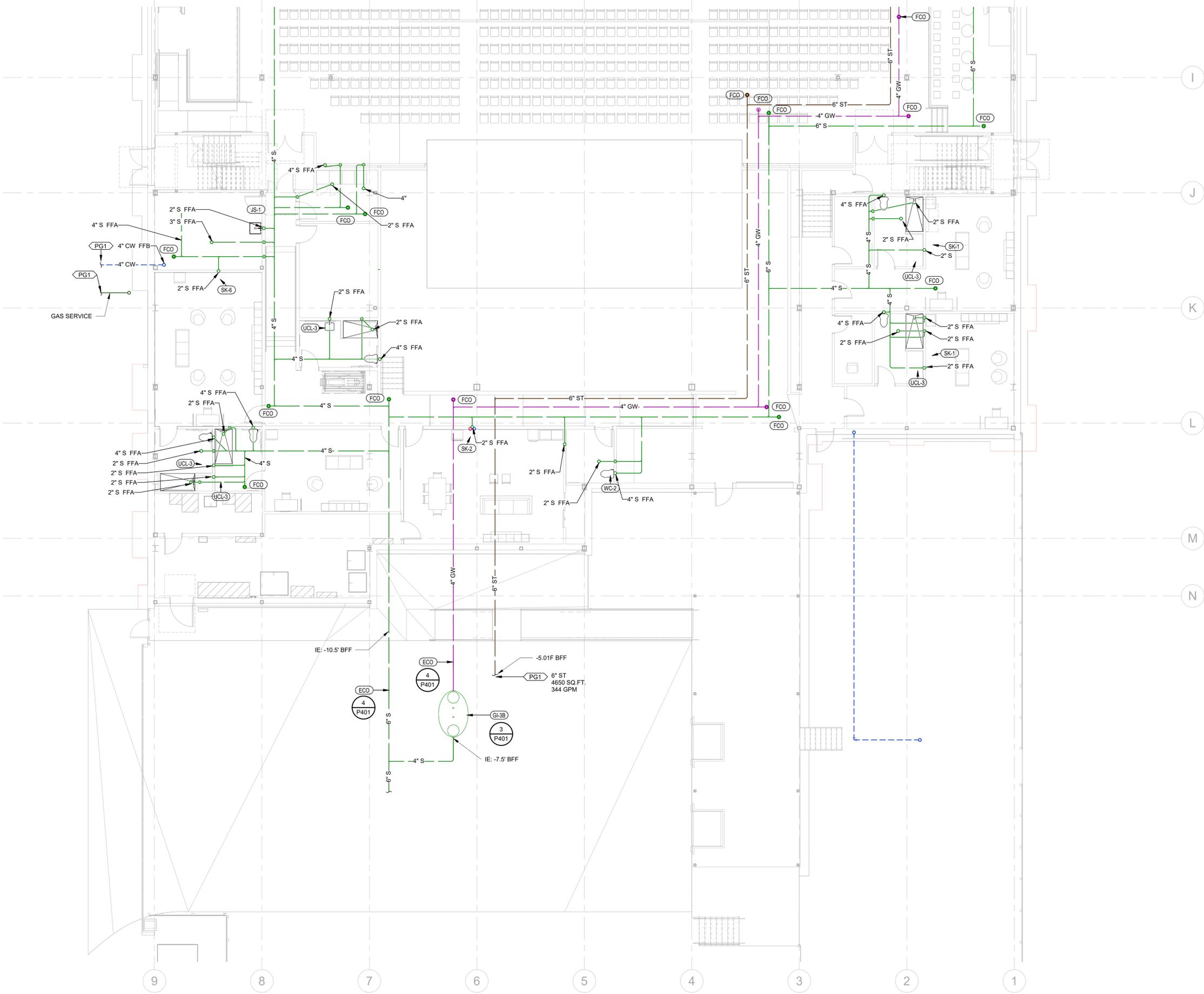
SCALE

1/8" = 1'-0"

FORMAT

ARCH D

**P200B**



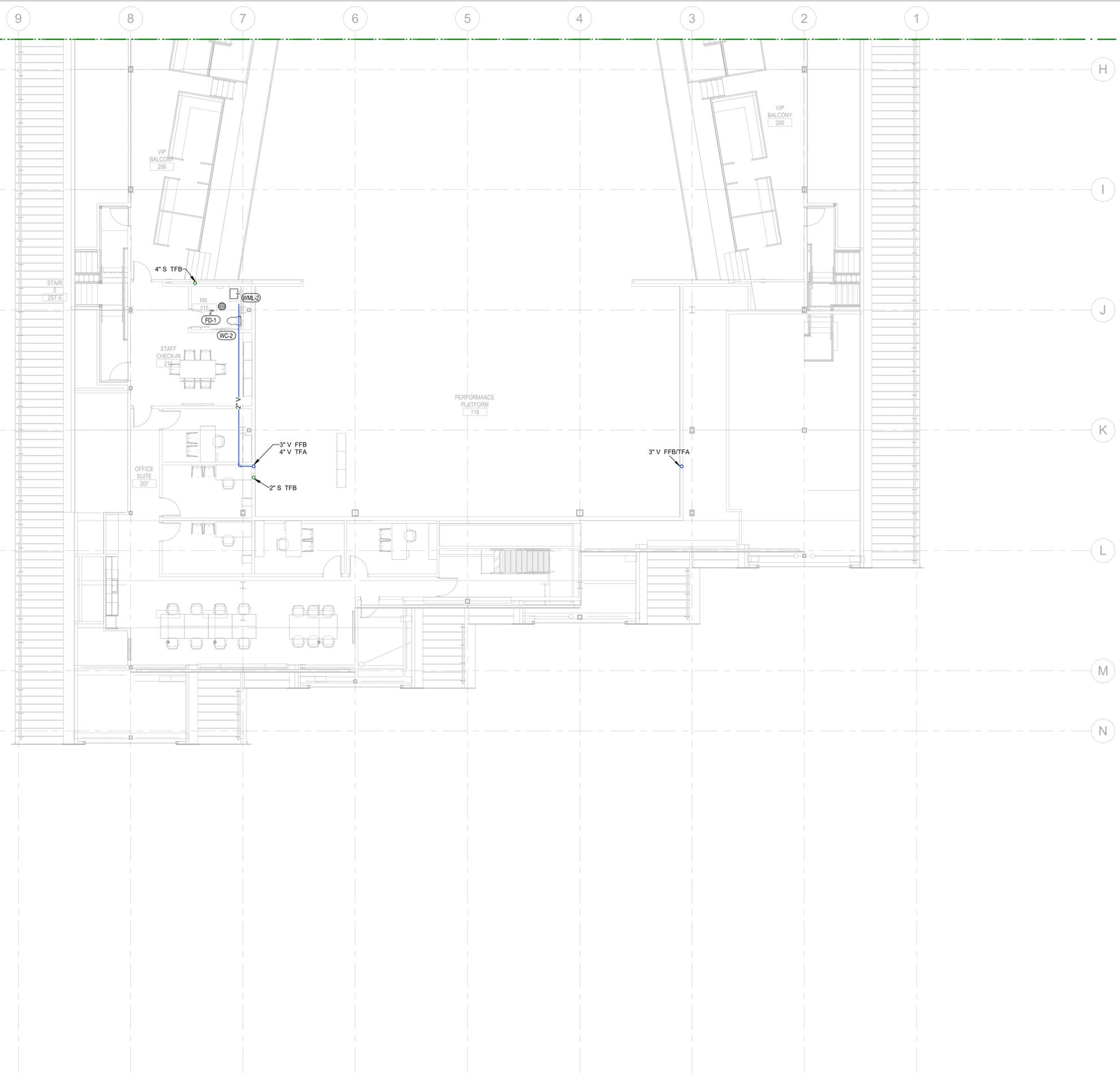
① PLUMBING UNDERGROUND PLAN - OVERALL - PLAN SOUTH  
1/8" = 1'-0"

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1/22/2026 9:06:59 AM

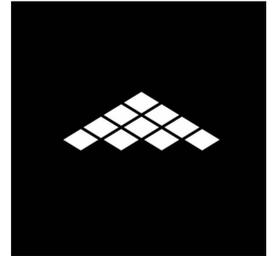








**PLUMBING PLAN NOTES**



**BENTONVILLE BALLROOM**

8E E STREET & SE 8TH STREET  
BENTONVILLE, AR  
72712

CLIENT

**LIVE NATION**  
325 N. MAPLE DRIVE  
BEVERLY HILLS, CA  
90210

ARCHITECT

**BIG**

**BJARKE INGELS GROUP**  
45 MAIN STREET, SUITE 901  
BROOKLYN, NY 10011, USA  
T +1 347 584 8141

EXECUTIVE ARCHITECT

**POLK STANLEY WILCOX**  
509 W. SPRING ST., SUITE 150  
FAYETTEVILLE, AR 72701  
T +1 479 444 0073

STRUCTURAL ENGINEER

**MARTIN MARTIN**  
891 SOUTH WALTON BLVD., SUITE 30  
BENTONVILLE, AR 72712  
T +1 479 407 0940

MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION ENGINEER

**HENDERSON ENGINEERS**  
855 SOUTH WALTON BLVD., SUITE 100  
BENTONVILLE, AR 72712  
T +1 479 773 0021

CIVIL ENGINEER & LANDSCAPE ARCHITECT

**ECOLOGICAL DESIGN GROUP**  
216 WEST BIRCH ST.  
RODGERS, AR 72756  
T +1 501 378 0200

LIGHTING DESIGN

**VISUAL TERRAIN**  
25213 AVENUE TERRITTS  
SANTA CARITA, CA 91555  
T +1 661 773 1758

LIGHTING CONTROLS & PRODUCTION

**BANDIT LITES**  
2233 BYCAMORE DR.  
KNOXVILLE, TN 37921  
T +1 865 971 3071

ACOUSTICS

**SALAS O'BRIEN**  
106 DECKER DRIVE, SUITE 200  
IRVING, TX 75062  
T +1 972 812 1270

ACOUSTICS

**METROPOLITAN ACOUSTICS**  
1638 JX BLVD., 8 PENN CENTER, SUITE 1002  
PHILADELPHIA, PA 19103  
T +1 215 248 4302

FOOD SERVICE

**TRIMARK**  
210 COMMERCE  
IRVING, CA 93002  
T +1 909 682 8833

ACOUSTICS

**METROPOLITAN ACOUSTICS**  
1638 JX BLVD., 8 PENN CENTER, SUITE 1002  
PHILADELPHIA, PA 19103  
T +1 215 248 4302

01.23.26 100% DD

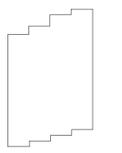
DATE ISSUE

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PROJECT BY OTHERS.

**NOT FOR CONSTRUCTION**

KEY PLAN (NTS)



SHEET NAME

**PLUMBING WASTE & VENT LEVEL 2 PLAN - AREA B**

PROJECT NUMBER SHEET NUMBER  
24531

LOG NUMBER

5050

SCALE

1/8" = 1'-0"

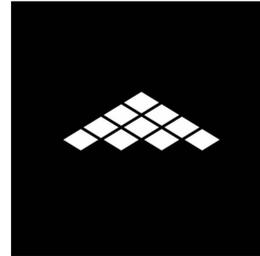
FORMAT

ARCH D

**P202B**

DAVID S. WOLFORD  
1/22/2026 9:07:25 AM

1 PLUMBING WASTE & VENT LEVEL 2 PARTIAL PLAN SOUTH  
1/8" = 1'-0"



**BENTONVILLE BALLROOM**  
 SE E STREET & SE 8TH STREET  
 BENTONVILLE, AR  
 72712

CLIENT  
**LIVE NATION**  
 325 N. MAPLE DRIVE  
 BEVERLY HILLS, CA  
 90210

ARCHITECT  
**BIG** **BJARKE INGELS GROUP**  
 45 MAN STREET, SUITE 900  
 BROOKLYN, NY 10011, USA  
 T +1 347 583 8141

EXECUTIVE ARCHITECT  
**POLK STANLEY WILCOX**  
 500 W. SPRING ST., SUITE 150  
 FAYETTEVILLE, AR 72701  
 T +1 489 444 0573

STRUCTURAL ENGINEER  
**MARTIN MARTIN**  
 809 SOUTH WALTON BLVD., SUITE 30  
 BENTONVILLE, AR 72712  
 T +1 489 407 5945

MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION ENGINEER  
**HENDERSON ENGINEERS**  
 809 SOUTH WALTON BLVD., SUITE 100  
 BENTONVILLE, AR 72712  
 T +1 489 770 0021

CIVIL ENGINEER & LANDSCAPE ARCHITECT  
**ECOLOGICAL DESIGN GROUP**  
 216 WEST BIRCH ST.  
 ROGERS, AR 72756  
 T +1 501 378 0200

LIGHTING DESIGN  
**VISUAL TERRAIN**  
 25213 AVENUE TERRITIS  
 SANTA CARITA, CA 91355  
 T +1 805 775 7758

LIGHTING CONTROLS & PRODUCTION  
**BANDIT LITES**  
 2233 BYCAMORE DR.  
 KNOXVILLE, TN 37921  
 T +1 865 971 3071

ACOUSTICS  
**SALAS O'BRIEN**  
 106 DECKER DRIVE, SUITE 200  
 IRVING, TX 75062  
 T +1 972 812 1275

ACOUSTICS  
**METROPOLITAN ACOUSTICS**  
 1628 JX BLVD., 8 PENN CENTER, SUITE 1002  
 PHILADELPHIA, PA 19103  
 T +1 215 248 4302

FOOD SERVICE  
**TRIMARK**  
 210 COMMERCE  
 IRVING, CA 93022  
 T +1 866 662 8833

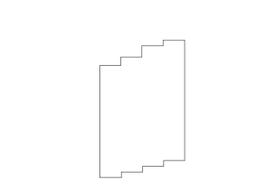
ACOUSTICS  
**METROPOLITAN ACOUSTICS**  
 1628 JX BLVD., 8 PENN CENTER, SUITE 1002  
 PHILADELPHIA, PA 19103  
 T +1 215 248 4302

01.23.26 100% DD  
 DATE ISSUE  
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**NOT FOR CONSTRUCTION**

KEY PLAN (NTS)

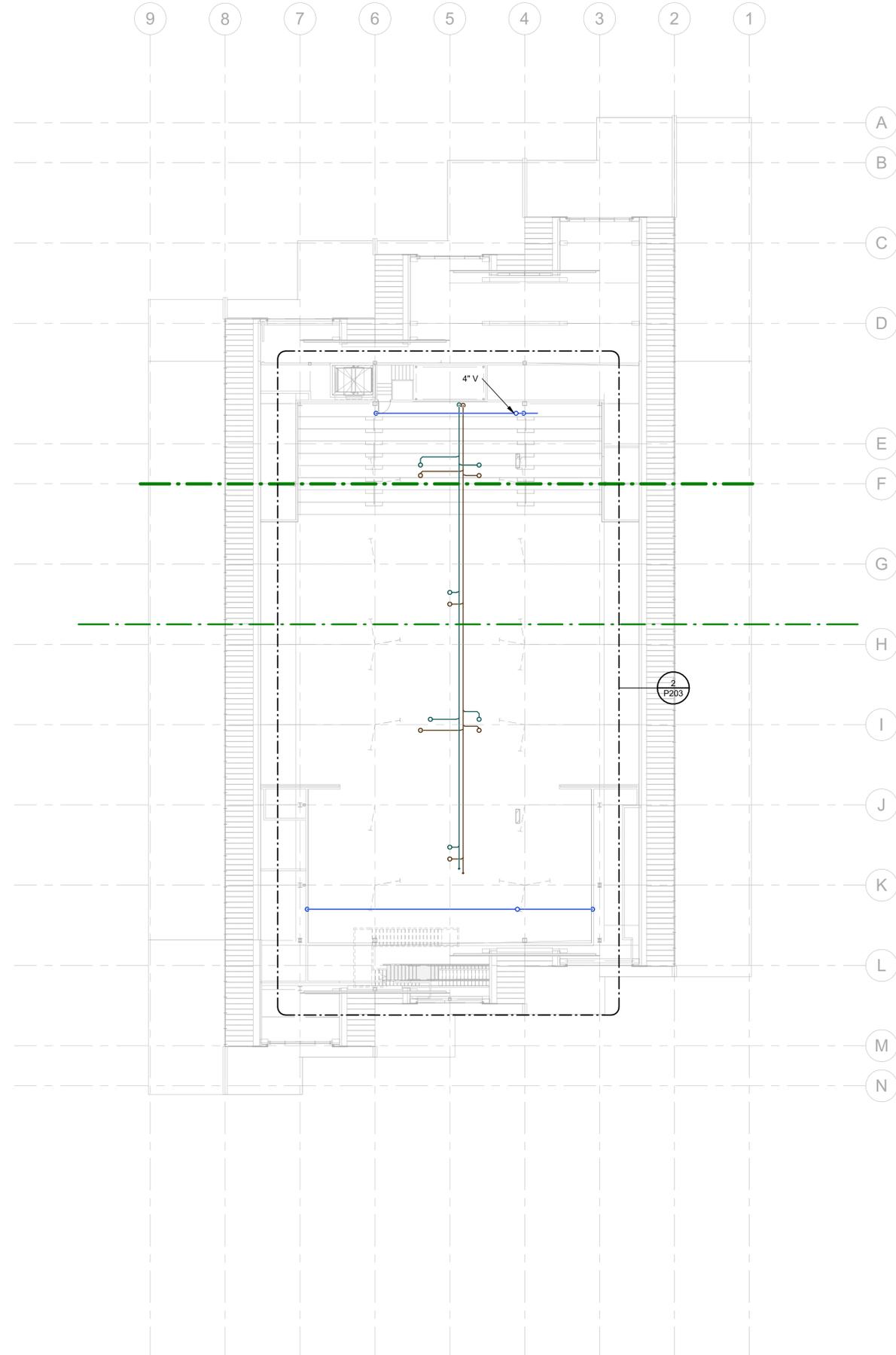


SHEET NAME

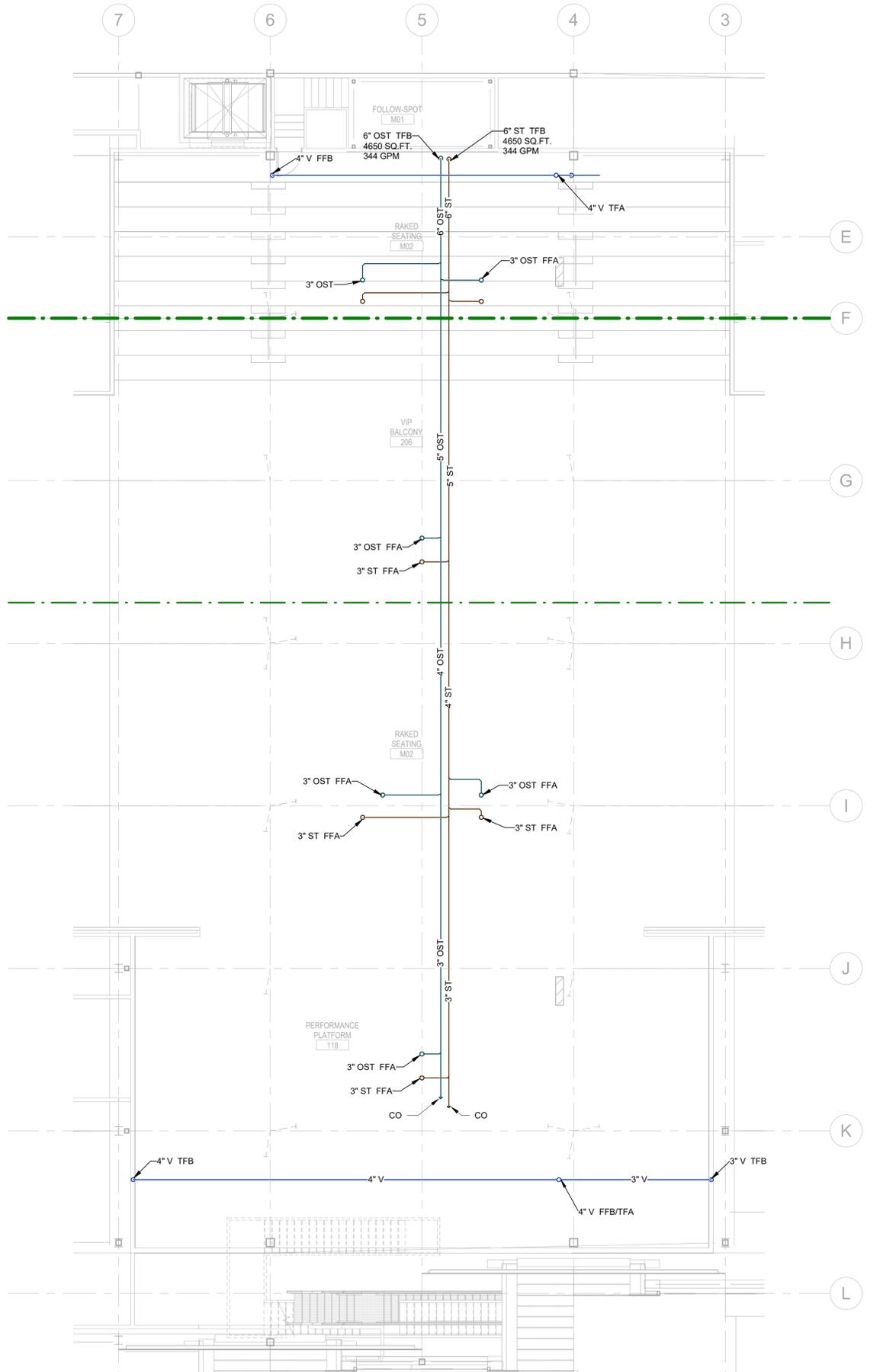
**PLUMBING WASTE & VENT LEVEL 2M - MEZZANINE PLANS**

PROJECT NUMBER SHEET NUMBER  
**24531**  
 LID NUMBER  
**5950**  
 SCALE  
**As Indicated**  
 FORMAT  
**ARCH D**

**P203**

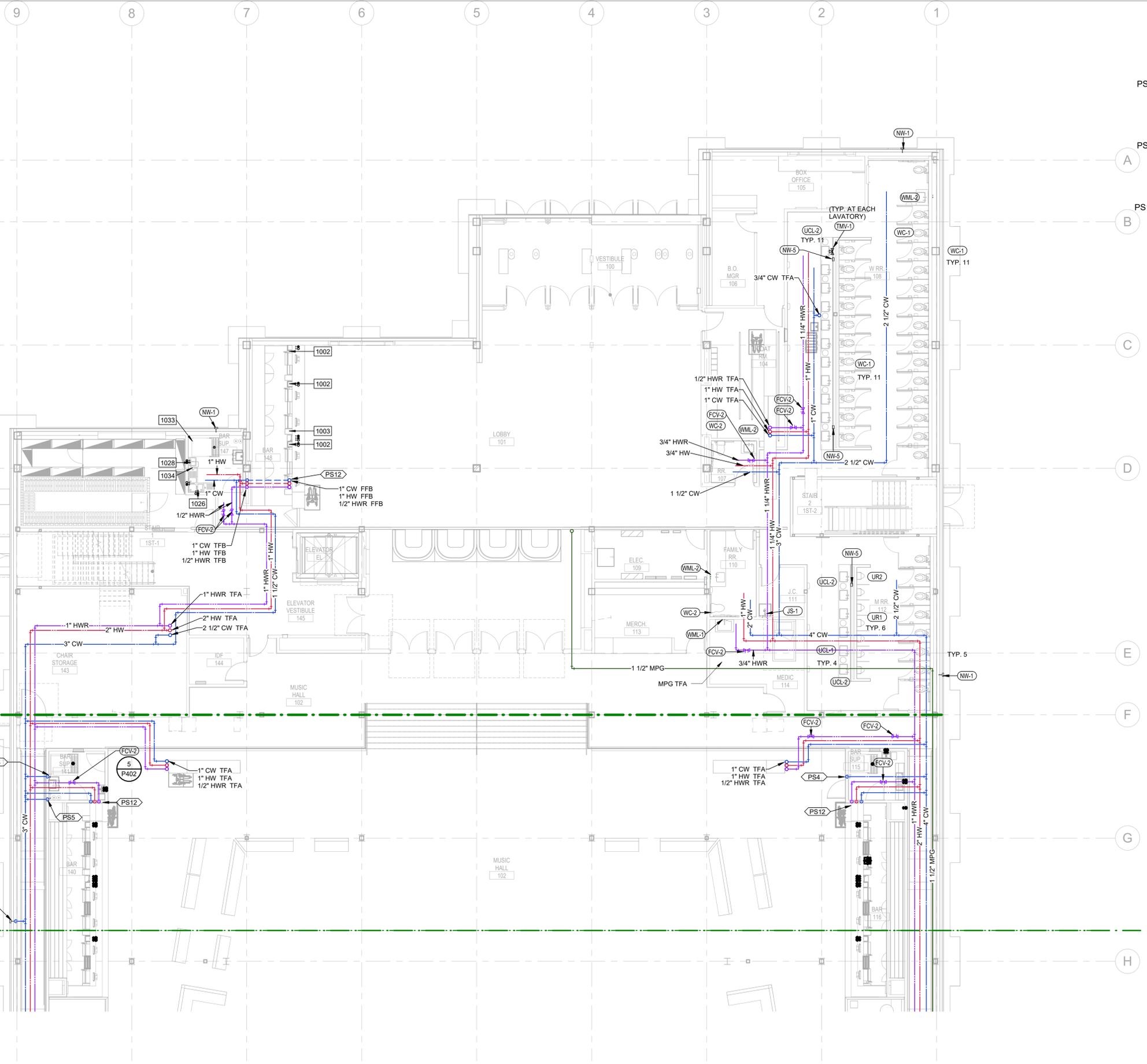


① PLUMBING WASTE & VENT LEVEL 2 MEZZANINE PLAN - OVERALL  
 1/16" = 1'-0"



② PARTIAL ENLARGED PLUMBING WASTE & VENT LEVEL 2 MEZZANINE PLAN  
 1/8" = 1'-0"





**PLUMBING PLAN NOTES**

- PS4 3/4" CW TO WATER FILTER. RUN CW PIPING TO ICE MACHINES FROM WATER FILTER. WATER FILTER BY KITCHEN DESIGNER.
- PS5 3/4" CW TO WATER FILTER. RUN CW PIPING TO FROM WATER FILTER TO CARBONATORS. WATER FILTER BY KITCHEN DESIGNER.
- PS12 1" CW, 1" HW, 1/2" HWR TO SERVE (3) DUMP SINKS AND A HAND SINK. RUN PIPING IN WALL CAVITY AND BELOW COUNTER TO SERVE DUMP SINKS AND HAND SINK. 3/4" CW, 3/4" HW TO EACH DUMP SINK. 3/4" CW, 3/4" HW, 1/2" HWR TO HAND SINK.



**BENTONVILLE BALLROOM**

85 E STREET & 86TH STREET  
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CLIENT  
LIVE NATION  
325 N. MAPLE DRIVE  
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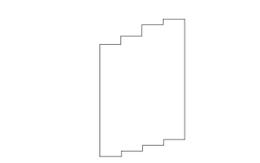
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KEY PLAN (NTS)



SHEET NAME

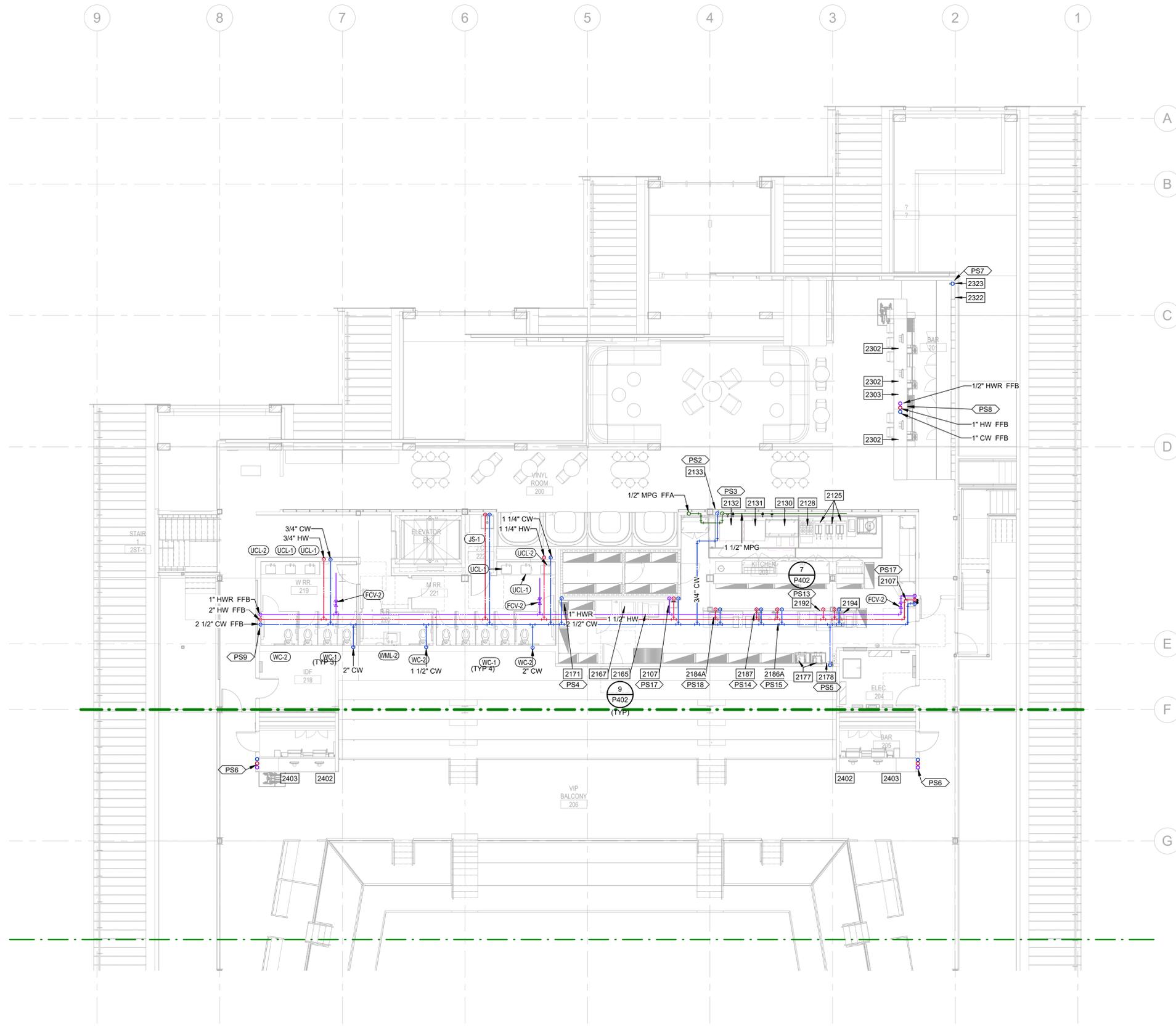
**PLUMBING WATER & GAS PLAN LEVEL 1 - AREA A**

PROJECT NUMBER: 24531  
SHEET NUMBER: 5050  
SCALE: 1/8" = 1'-0"  
FORMAT: ARCH D

**P301A**

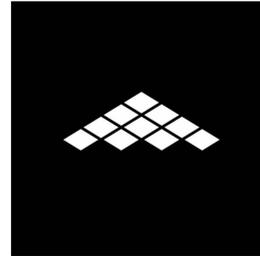
1 PLUMBING WATER & GAS LEVEL 1 PARTIAL PLAN NORTH  
1/8" = 1'-0"





**PLUMBING PLAN NOTES**

- PS2 3/4" CW TO WATER FILTER. RUN CW PIPING TO COMBI OVEN FROM WATER FILTER. WATER FILTER BY KITCHEN DESIGNER.
- PS3 CW LINE(S) TO COMBI OVEN FROM WATER FILTER BY PLUMBING CONTRACTOR PER KITCHEN DESIGNER PLANS.
- PS4 3/4" CW TO WATER FILTER. RUN CW PIPING TO ICE MACHINES FROM WATER FILTER. WATER FILTER BY KITCHEN DESIGNER.
- PS5 3/4" CW TO WATER FILTER. RUN CW PIPING TO FROM WATER FILTER TO CARBONATORS. WATER FILTER BY KITCHEN DESIGNER.
- PS6 1" CW, 1" HW, 1/2" HWR UP FROM BELOW TO SERVE DUMP SINK AND HAND SINK. RUN PIPING BELOW COUNTER. 3/4" CW, 3/4" HW TO DUMP SINK. 3/4" CW, 3/4" HW, 1/2" HWR TO HAND SINK.
- PS7 3/4" CW UP FROM BELOW TO SERVE WATER FILTER. RUN CW PIPING FROM WATER FILTER TO CARBONATOR. WATER FILTER BY KITCHEN DESIGNER.
- PS8 1" CW, 1" HW, 1/2" HWR UP FROM BELOW TO SERVE (3) DUMP SINKS AND A HAND SINK. RUN PIPING BELOW COUNTER TO SERVE DUMP SINKS AND HAND SINK. 3/4" CW, 3/4" HW TO EACH DUMP SINK. 3/4" CW, 3/4" HW, 1/2" HWR TO HAND SINK.
- PS9 CW, HW, & HWR PIPING UP FROM BELOW VIA WALL CAVITY PROVIDED BY ARCHITECT.
- PS13 3/4" HW TO DISHWASHER.
- PS14 3/4" CW & 3/4" HW TO PRE-RINSE SINK.
- PS15 3/4" CW & 3/4" HW TO 3 COMPARTMENT SINK.
- PS17 3/4" CW, 3/4" HW, & 1/2" HWR TO HAND SINK.
- PS18 3/4" CW & 3/4" HW TO PREP SINK.



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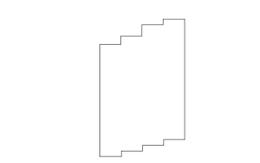
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KEY PLAN (NTS)



SHEET NAME

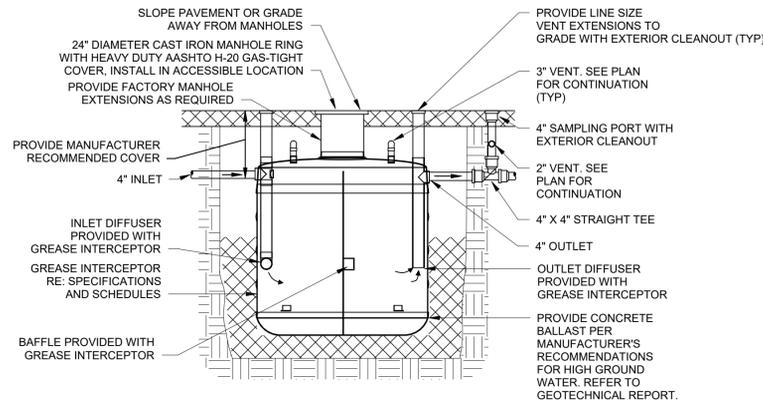
**PLUMBING WATER & GAS PLAN LEVEL 2 - AREA A**

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SHEET NUMBER: 5050  
SCALE: 1/8" = 1'-0"  
FORMAT: ARCH D

**P302A**

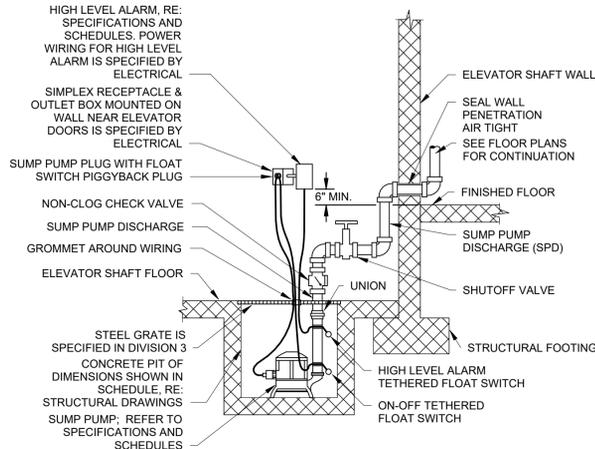
1 PLUMBING WATER & GAS LEVEL 2 PARTIAL PLAN NORTH  
1/8" = 1'-0"





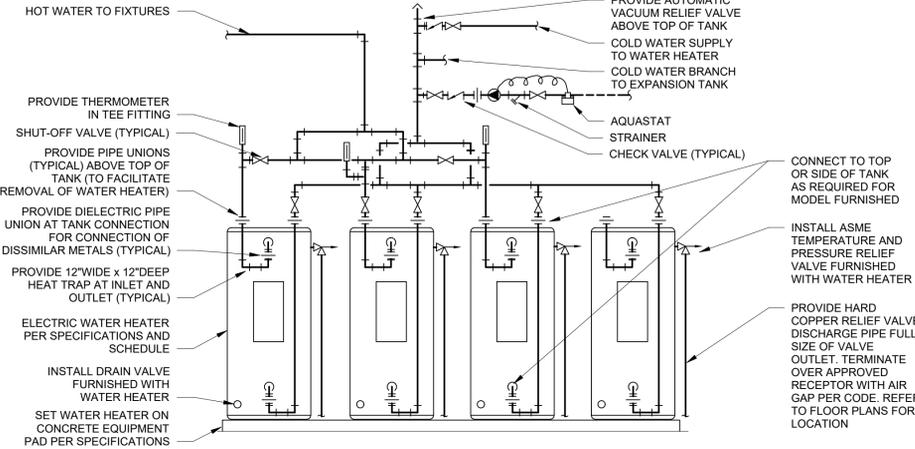
PIPING ARRANGEMENT SHOWN IN SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. SUBMIT PROPOSED GREASE SEPARATOR INSTALLATION PLANS AND SPECIFICATIONS TO LOCAL AUTHORITIES FOR THEIR APPROVAL BEFORE ACQUISITION OF INTERCEPTOR. PROVIDE CAPACITY AS REQUIRED BY LOCAL AUTHORITIES. INSTALL GREASE INTERCEPTOR PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO FLOOR PLANS, SPECIFICATION AND SCHEDULES FOR EXTERIOR CLEANOUT.

v1.00



ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. LOCATE FLOATS AT ELEVATIONS AS RECOMMENDED BY PUMP MANUFACTURER. INTERLOCK OF HIGH LEVEL ALARM WITH ALARM BELL. REFER TO FLOOR PLANS IF PROVIDED, IS SPECIFIED BY ELECTRICAL. INTERLOCK OF HIGH LEVEL ALARM WITH BUILDING AUTOMATION SYSTEM, REFER TO SPECIFICATIONS IF PROVIDED, IS SPECIFIED BY MECHANICAL.

v1.00



REFER TO SPECIFICATIONS, SCHEDULES, AND NOTES FOR MORE INFORMATION. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. VERIFY CONNECTION SIZES AND LOCATIONS WITH WATER HEATER FURNISHED. REFER TO FLOOR PLANS FOR PIPE SIZES AND CONTINUATIONS. PROVIDE SEISMIC STRAP OR BRACING WHEN REQUIRED BY LOCAL AUTHORITIES. POWER WIRING AND DISCONNECT SWITCH ARE SPECIFIED BY ELECTRICAL. INTERLOCK OF AQUASTAT WITH RECIRCULATION PUMP IS SPECIFIED BY ELECTRICAL.

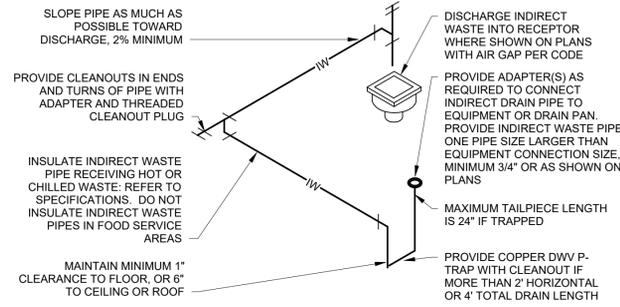
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3 GREASE INTERCEPTOR NTS

2 ELEVATOR SUMP PUMP NTS

1 FOUR ELECTRIC WATER HEATERS NTS

PCDRN0004

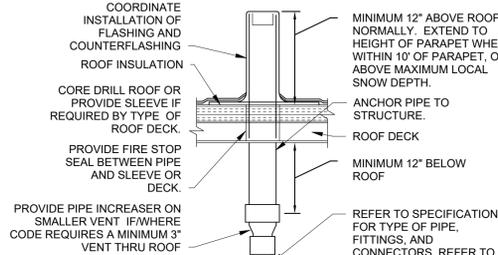


ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. PROVIDE CONNECTIONS SHOWN IN EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO SPECIFICATIONS FOR PIPE AND FITTING MATERIALS, AND INSTALLATION OF HANGERS AND SUPPORTS. PROVIDE DIELECTRIC UNION IF CONNECTING DISSIMILAR METALS. DO NOT COMBINE INDIRECT DRAIN PIPES WITH CONDENSATE DRAIN PIPES. DO NOT PROVIDE TRAP OR VENT ON INDIRECT DRAINS RECEIVING DISCHARGE UNDER PRESSURE.

FOOD SERVICE EQUIPMENT INDIRECT WASTE: INSTALL SEPARATE INDIRECT WASTE FROM DIFFERENT EQUIPMENT - DO NOT COMBINE. SECURELY ATTACH INDIRECT DRAINS TO THEIR EQUIPMENT WITH BRACKETS OR SPLIT RING PIPE CLAMPS - REFER TO SPECIFICATIONS. LOOSE, DANGLING, OR PIPES ON THE FLOOR SHALL NOT BE ACCEPTED. INSTALL INDIRECT DRAINS HIGH AS POSSIBLE TO FACILITATE CLEANING UNDER KITCHEN EQUIPMENT.

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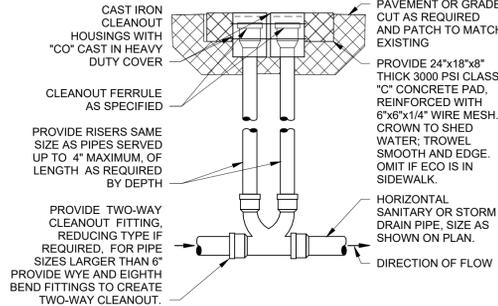
6 INDIRECT WASTE INSTALLATION - IPC NTS



LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, TWENTY FIVE FEET FROM ANY OPENING OR FRESH AIR INTAKE IN MEDICAL FACILITIES AND ONE FOOT FROM ANY VERTICAL SURFACE. REFER TO LOCAL CODES FOR OTHER VENT TERMINATION REQUIREMENTS. LOCATE VTR MINIMUM 18" FROM ADJACENT WALL, PARAPET, EXPANSION JOINT, ROOF DRAIN, EQUIPMENT CURB, OR OTHER ROOF FEATURE. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS. INSULATE LAST SIX FEET OF VENT PIPE INSIDE BUILDING PER SPECIFICATIONS.

v1.00

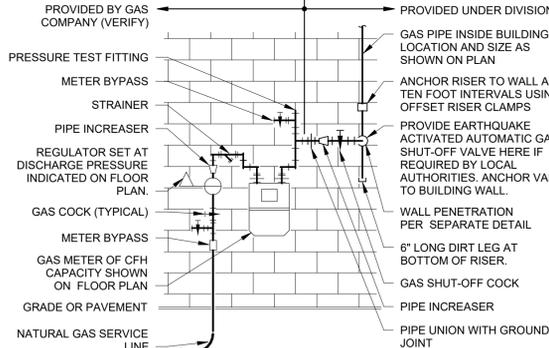
5 VENT THRU ROOF NTS



LOCATE EXTERIOR TWO-WAY CLEANOUT AT EXIT OF BUILDING DRAINS AND WHERE SHOWN ON PLAN. REFER TO SPECIFICATIONS AND SCHEDULES FOR MORE INFORMATION.

v1.00

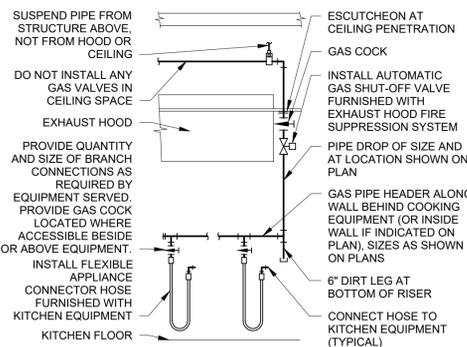
4 EXTERIOR TWO-WAY CLEANOUT NTS



VERIFY REQUIREMENTS FOR METERING AND PIPING WITH GAS COMPANY. COORDINATE WITH GAS COMPANY WITH REGARD TO INSTALLATION OF OTHER PLUMBING UTILITIES IN VICINITY. IF ANY, APPLY FOR AND PAY GAS COMPANY FEES FOR INSTALLATION. USE WELDED OR SCREWED PIPE AND FITTINGS PER PLUMBING SPECIFICATIONS.

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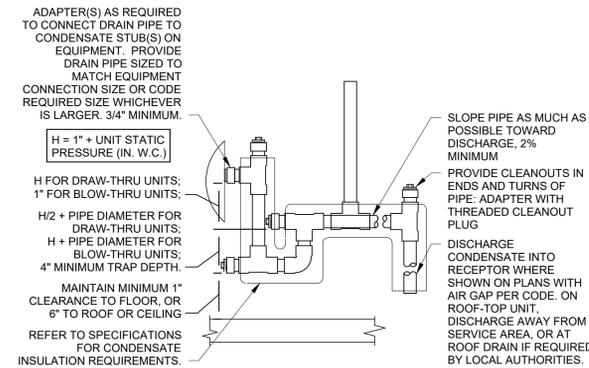
9 GAS METER SETTING NTS



REFER TO SPECIFICATIONS FOR MORE INFORMATION ABOUT PIPE, FITTINGS, AND CONNECTIONS. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. IF EXPOSED, ATTACH RISER AND HEADER TO WALL WITH 1" CLEARANCE BEHIND PIPE (UNLESS INSTALLED INSIDE WALL AS SHOWN ON PLANS). MAKE FINAL CONNECTION TO EQUIPMENT AS RECOMMENDED BY MANUFACTURER. INSTALL ANY GAS PRESSURE REGULATORS FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR.

v1.00

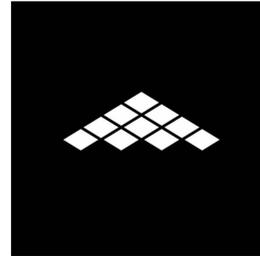
8 COOKING APPLIANCE GAS PIPE NTS



ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. PROVIDE CONNECTIONS SHOWN IN EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO SPECIFICATIONS FOR PIPE AND FITTING MATERIALS AND INSTALLATION. PROVIDE DIELECTRIC UNION IF CONNECTING DISSIMILAR METALS. AT MOTORIZED EQUIPMENT ABOVE CEILING, PROVIDE NEOPRENE TUBE AND STAINLESS STEEL SCREW CLAMPS FOR FLEXIBLE CONNECTION. FOR PIPE SIZE(S) REFER TO FLOOR PLANS, OR CODE REQUIREMENTS FOR HVAC UNIT TONNAGE. PROVIDE HANGERS OR SUPPORTS PER SPECIFICATIONS. DO NOT COMBINE CONDENSATE DRAIN PIPES WITH NON-CONDENSATE INDIRECT DRAINS.

v1.00

7 CONDENSATE DRAIN INSTALLATION NTS



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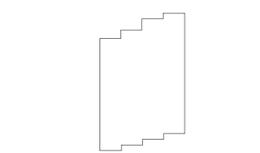
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DATE ISSUE

SHEET NUMBER

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NOT FOR CONSTRUCTION

KEY PLAN (NTS)



SHEET NAME

PLUMBING DETAILS

PROJECT NUMBER 24531  
JOB NUMBER 5950  
SCALE 1/2" = 1'-0"  
FORMAT ARCH D  
P401





## ELECTRIC STORAGE WATER HEATER SCHEDULE

MARK	MANUFACTURER	MODEL#	AREA SERVED	TANK SIZE (GALLONS)	ELECTRICAL DATA			RECOVERY (GPH)	WEIGHT (LB)	NOTES
					VOLTS	PHASE	KW			
WHE-1	A.O. SMITH	#DSE-120	ENTIRE BLDG	120	480	3	54	837	420	A, B
WHE-2	A.O. SMITH	#DSE-120	ENTIRE BLDG	120	480	3	54	837	420	A, B
WHE-3	A.O. SMITH	#DSE-120	ENTIRE BLDG	120	480	3	54	837	420	A, B
WHE-4	A.O. SMITH	#DSE-120	ENTIRE BLDG	120	480	3	54	837	420	A, B

NOTES:  
A. 100° TEMPERATURE RISE WITH 140°F OPERATING TEMPERATURE.  
B. FURNISH WITH IMMERSION THERMOSTAT.  
C. WITH BALANCED THREE FACE CIRCUIT.  
D. 65 FLA PER HEATER.

## SUMP PUMP SCHEDULE

MARK	MANUFACTURER	MODEL	LOCATION	GPM	HEAD (FT.)	DISCHARGE SIZE (IN.)	ELECTRICAL			NOTES
							VOLTS	PH	HP	
SP-1	WEIL	1411-538	ELEVATOR PIT	50	21	2"	120	1	0.5	A, B, C, D, E, F

NOTES:  
A. PROVIDE WEIL #8245 FLOAT SWITCH WITH POWER CORD AND PIGGYBACK PLUG.  
B. PROVIDE WITH WEIL #8341K1015 HIGH LEVEL ALARM WITH AUXILIARY CONTACT. REFER TO SPECIFICATIONS.  
C. PROVIDE 2" DISCHARGE PIPING, SHUTOFF VALVE AND ZOELLER #30-0030 FLAPPER NON-CLOG CHECK VALVE.  
D. REFER TO DETAIL FOR MORE INSTALLATION INFORMATION.  
E. INSTALL IN 24" SQUARE BY 24" DEEP SUMP PIT LOCATED IN ELEVATOR PIT. SEE ARCHITECTURAL DRAWINGS.  
F. PROVIDE WEIL # XXXXYYYY BASIN COVER [WITH BLANK OPENINGS]

## RECIRCULATION PUMP SCHEDULE

MARK	MANUFACTURER	MODEL	LOCATION	GPM	HEAD (FT.)	CONNECTION SIZE	ELECTRICAL DATA			NOTES
							VOLTS	PH	HP	
RP-1	BELL & GOSSETT	PR		1	7	1"	120	1	1/6	

NOTES:  
A. ALL LEAD FREE CAST BRONZE BOOSTER.  
B. PROVIDE WITH STRAINER UPSTREAM OF PUMP.  
C. PROVIDE ADJUSTABLE, SURFACE MOUNTED AQUASTAT - HONEYWELL L6006C.  
D. SET AQUASTAT TO SHUT OFF RECIRCULATION PUMP AT WATER HEATER SET POINT AND ON AT 10F BELOW SET POINT.  
E. ALL STAINLESS STEEL CONSTRUCTION WITH ECM MOTOR

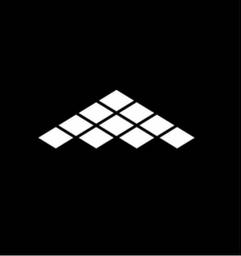
PLUMBING FIXTURE SCHEDULE:  
FIXTURES IN THIS SCHEDULE OR THEIR APPROVED EQUIVALENT ARE PROVIDED BY THE PLUMBING CONTRACTOR. SUBMIT SHOP DRAWINGS ON EACH OF THESE ITEMS. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION AND INSTALLATION REQUIREMENTS. VERIFY ROUGH-IN REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE PLUMBING FIXTURE MOUNTING HEIGHTS.

## PLUMBING FIXTURE SCHEDULE

PLUMBING PLAN MARK	DESCRIPTION
SV-1	ARTIST SHOWER VALVE (ADA ACCESSIBLE); KOHLER K-22178-BLK-K-22170-BLK-T14491-4-BL SHOWER TRIM KIT WITH KOHLER K-11748-K-BL PRESSURE BALANCING VALVE MEETING ASSE 1016P. SET ADJUSTABLE LIMIT STOP SCREW TO 110 F, INTEGRAL SERVICE STOPS, DIVERTER VALVE WITH 2.5 GPM SHOWER HEAD WITH ARM AND 2.5 GPM WALL/HAND SHOWER WITH FLEXIBLE METAL HOSE, IN-LINE VACUUM BREAKER, WALL CONNECTION AND FLANGE, AND 30" SLIDE BAR.
TD-2	TRENCH DRAIN: ZURN # Z-512-PS-SF-E1-9" WIDE X 48" LONG FIBERGLASS COMPOSITE INTERLOCKING CHANNEL. # 2010 INSTALLED IN POURED CONCRETE BED, PER MANUFACTURER'S RECOMMENDATIONS WITH SINGLE ENDCAP. SLOPE TO CATCH BASIN END.
TMV-1	THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS. ASSE 1070 COMPLIANT, CAPABLE OF 2.2 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.5 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON PLAN(S).
AAV-1	AIR ADMITTANCE VALVE: STUDOR "MINI-VENT" # 20301, MEETING ASSE 1051 TYPE "A", POLYSTYRENE PROTECTIVE COVER, ABS VALVE WITH ELASTOMERIC MEMBRANE AND PVC CONNECTOR, 2" INLET, AND ATMOSPHERIC PORT.
DSN	DOWNSPOUT NOZZLE: JAY R. SMITH # 1770T, CAST BRONZE BODY AND FLANGE. PROVIDE OUTLET SIZE AS SHOWN ON PLANS.
ECO	EXTERIOR CLEANOUT: JAY R. SMITH # 4261L SERIES DUCCO CAST IRON DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORAIATED CAST IRON COVER WITH LIFTING DEVICE AND CLEANOUT BODY WITH ABS PLASTIC PLUG WITH GASKET SEAL AND PUSH-ON JOINT. REFER TO SPECIFICATIONS FOR INSTALLATION.
FCO	FLOOR CLEANOUT: JAY R. SMITH, CAST IRON BODY, FLASHING FLANGE WITH CLAMPING COLLAR, ABS PLUG, AND ADJUSTABLE, ROUND, SECURED, NICKEL BRONZE, TOP. # 4031L (-F-C), SCORAIATED TOP FOR EXPOSED. FLUSH WITH FINISHED FLOOR, APPLICATION(S), # 4031L (-F-C-Y), STAINLESS STEEL MARKER FOR INSTALLATION IN CARPETED FLOOR AREA(S), # 4151 (-F-C), 1/8" RECESS FOR INSTALLATION IN TILED FLOOR AREA(S), # 4191 (-F-C), 1/2" RECESS FOR INSTALLATION IN TERRAZZO AND SIMILAR POURED FLOOR AREA(S). REFER TO SPECIFICATIONS FOR INSTALLATION.
FCV-2	FLOW CONTROL VALVE: FLOWDESIGN # ICSS "AUTOFLOW", SERIES 300 STAINLESS UNION BODY WITH NICKEL PLATED UNION NUT, STAINLESS STEEL PRESSURE COMPENSATING CARTRIDGE, MEETING NSF 61 ANNEX G, NAMEPLATE AND 1/2" VALVE BODY SIZE UNLESS SHOWN OTHERWISE ON PLANS. PROVIDE 0.5 GPM FLOW RATE CARTRIDGE UNLESS SHOWN OTHERWISE ON PLANS.
FD-1	FLOOR DRAIN: JAY R. SMITH # 2005L (-4), CAST IRON BODY AND CLAMPING COLLAR, ADJUSTABLE 6" ROUND NICKEL BRONZE STRAINER. PROVIDE TRAP PRIMER PORT IF TRAP PRIMER IS PROVIDED ON THE DRAWINGS. USE PUSH-ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS.
FS-4	FLOOR SINK: JAY R. SMITH # 3111L (-12), 6" DEEP CAST IRON BODY WITH ACID RESISTING ENAMELED INTERIOR, ANCHOR FLANGE WITH SEEPAGE HOLES, CLAMP COLLAR, ALUMINUM SEDIMENT BUCKET, AND 12" SQUARE NICKEL BRONZE RIM AND HALF GRATE. USE PUSH-ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS.
GI-3B	GREASE INTERCEPTOR: GREENTURTLE PROCEPTOR GMC 1000 UPC, FIBERGLASS REINFORCED PLASTICS BODY, SINGLE BAFFLE DESIGN, 1000 GALLON CAPACITY WITH (2) 24" GASKETS, ASHTRAY H-20 LOAD RATED COVER WITH EXTENSIONS, (2) 3" VENT CONNECTIONS. UNIT SHALL INCLUDE 30 YEAR WARRANTY AGAINST LEAKS AND STRUCTURAL FAILURE. APPROVED UNDER IAPMO / ANSI Z1001-2007
JS-1	JANITOR'S SINK: STERN-WILLIAMS # MTB-2424, 24" x 24" x 10" HIGH TERRAZZO BASIN WITH INTEGRAL STAINLESS STEEL DRAIN BODY. FAUCET: CHICAGO FAUCET # 897-CP FAUCET WITH WALL BRACE, INTEGRAL VACUUM BREAKER, PAIL HOOK, AND 3/4" MALE HOSE THREADED OUTLET. SECURE FAUCET IN WALL WITH BACKBOARD. TRIM: # BP TYPE 304, 20 GAUGE, STAINLESS STEEL WALL SURROUNDS, # T-35 THREE FOOT LONG REINFORCED HOSE WITH 3/4" CHROME COUPLING AND WALL HOOK, # V-70 EXTRUDED VINYL BUMPER GUARD, AND # T-40 24" STAINLESS STEEL MOP HANGER
NW-1	NON-FREEZE WALL HYDRANT: PRIER PRODUCTS # C-634NBX1, SATIN NICKEL PLATED BRASS 1" MALE INLET BY 3/4" FEMALE INLET, 3/4" THREADED HOSE CONNECTION, LOOSE KEY HANDLE, HYDRANT LENGTH AS REQUIRED FOR INSTALLED WALL THICKNESS, ADJUSTABLE WALL CLAMP, BRASS BOX WITH SATIN NICKEL PLATED FINISH AND INTEGRAL ASSE 1052 DOUBLE CHECK VACUUM BREAKER.
NW-5	MILD CLIMATE WALL HYDRANT: ZURN #Z1350-VB, BRONZE NICKEL PLATED BOX TYPE HYDRANT, 3/4" INLET, INTEGRAL ASSE 1011 VACUUM BREAKER, QUARTER-TURN "T" HANDLE KEY, SCREW DRIVER STOP, 3/4" THREADED HOSE CONNECTION, STAINLESS STEEL WALL BOX WITH CYLINDER LOCK.
ORD-1	OVERFLOW ROOF DRAIN: JAY R. SMITH # 1330Y (-C-R-CID-WD-02), 8-1/2" DIAMETER CAST IRON BODY, FLASHING CLAMP, GRAVEL STOP, UNDERDECK CLAMP, SUMP RECEIVER, HUBLESS OUTLET, AND CAST IRON DOME BOLTED OR LOCKED DOWN AND 2" HIGH WATER DAM. PROVIDE OUTLET SIZE AS SHOWN ON PLANS.
RD-1	ROOF DRAIN: JAY R. SMITH # 1330Y (-C-R-CID), 8-1/2" DIAMETER CAST IRON BODY, FLASHING CLAMP, GRAVEL STOP, UNDERDECK CLAMP, SUMP RECEIVER, HUBLESS OUTLET, AND CAST IRON DOME BOLTED OR LOCKED DOWN. PROVIDE OUTLET SIZE AS SHOWN ON PLANS.
RH-2	ROOF NON-FREEZE POST HYDRANT: MAPA PRODUCTS # MPH-24FP FREEZE PROOF POST HYDRANT MEETING ASSE #1057 WITH BLACK POWDER COATED CAST ALUMINUM WEATHER-GUARD DOME HANDLE, STAINLESS STEEL SHROUD WITH WELDED STAINLESS STEEL FLANGE, UNDER DECK CLAMP, BRONZE GLOBE ANGLE VALVE, 3/4" HOSE CONNECTION, QUICK DISCONNECT WITH BUILT-IN VACUUM BREAKER, STAINLESS STEEL RESERVOIR.
RPZ-6	REDUCED PRESSURE ZONE BACKFLOW PREVENTER: WATTS # 957-NRS, MEETING ASSE 1013, 304 STAINLESS STEEL BODY AND SLEEVE, QUARTER TURN TEST COCKS, RESILIENT SEATED NON-RISING STEM GATE VALVES AND WATTS #77-OFDA EPOXY COATED CAST IRON STRAINER AND # 957AG AIR GAP FITTING.
SK-1	ARTISTS LOUNGE SINK (ADA ACCESSIBLE); ELKAY #ELGAD2522PD, 25"x25"x5-1/2" DEEP, SINGLE COMPARTMENT, SELF-RIMMING, COLOR BLACK, QUARTZ CLASSIC, FIXTURE. SET IN BED OF PUTTING. FAUCET: KOHLER TONE KONNECT AND THREE FUNCTION SPRAY HEAD #K-23766-WB-BL, MATTE BLACK 1.5 GPM. TRIM: MCGUIRE #LF2165CC LEAD FREE BRASS WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, MCGUIRE #151M CUP BLACK STRAINER WITH 1-1/2" 17 GAUGE TAILPIECE, MCGUIRE #B8912CF 1-1/2" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON, AND PLUMBEREX "PRO-EXTREME" # X-4333 INSULATION KIT FOR WATER AND WASTE PIPES.
SK-2	LOUNGE SINK FOR CREW CATERING (ADA ACCESSIBLE); ELKAY #ELGAD3322 PD, 32"x22"x5-1/2" DEEP, DOUBLE COMPARTMENT SELF-RIMMING, COLOR BLACK, QUARTZ CLASSIC, FIXTURE SET IN BED OF PUTTY. FAUCET: KOHLER TONE KONNECT AND THREE FUNCTION SPRAY HEAD #K-23766-WB-BL, MATTE BLACK, 1.5 GPM. TRIM: MCGUIRE # LF2165CC LEAD FREE BRASS WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, MCGUIRE # 151M CUP BLACK STRAINER WITH 1-1/2" 17 GAUGE TAILPIECE, MCGUIRE # B8912CF 1-1/2" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON, AND PLUMBEREX "PRO-EXTREME" # X-4333 INSULATION KIT FOR WATER AND WASTE PIPES.
SK-6	SINK (ADA ACCESSIBLE); ELKAY # LRAD-2522-55-3, 25" x 22" x 5-1/2" DEEP, SINGLE COMPARTMENT, SELF-RIMMING, 18 GAUGE TYPE 302 STAINLESS STEEL, FIXTURE WITH FAUCET LEDGE. SET IN BED OF PUTTY. FAUCET: CHICAGO FAUCET # 201-A317AB/PAKCP 8" SPREAD LEAD FREE FAUCET WITH VANDAL RESISTANT # 317 WRIST BLADE HANDLES, QUARTER TURN CERAMIC CARTRIDGES AND # E32VPJKCP 2.2 GPM AERATOR. TRIM: MCGUIRE # LF2165CC LEAD FREE BRASS WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, MCGUIRE # 151M CUP STRAINER WITH 1-1/2" 17 GAUGE TAILPIECE, MCGUIRE # B8912CF 1-1/2" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON, AND PLUMBEREX "PRO-EXTREME" # X-4222 INSULATION KIT FOR WATER AND WASTE PIPES.

## PLUMBING FIXTURE SCHEDULE

PLUMBING PLAN MARK	DESCRIPTION
UCL-1	KOHLER IRON PLAINS K-5400 UNDERMOUNT ENAMELED CAST IRON UNDERMOUNT 18-1/2" RECTANGULAR SINK. COLOR 7 "BLACK BLACK". PROVIDE WITH ALL MANUFACTURER RECOMMENDED MOUNTING HARDWARE. FAUCET: KOHLER # EAF-250 OPTIMA BATTERY-POWERED DECK-MOUNTED MID BODY FAUCET 0.5 GPM FAUCET. GRAPHITE FINISH. TRIM: MCGUIRE # 155A GRID DRAIN WITH TAILPIECE, MCGUIRE # LF2165CCLK LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, MCGUIRE # B8872CF 1-1/4" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON.
UCL-2	UNDERCOUNTER LAVATORY (ADA ACCESSIBLE); KOHLER IRON PLAINS K-5400 UNDERMOUNT ENAMELED CAST IRON UNDERMOUNT 18-1/2" RECTANGULAR SINK. COLOR 7 "BLACK BLACK". PROVIDE WITH ALL MANUFACTURER RECOMMENDED MOUNTING HARDWARE. FAUCET: KOHLER # EAF-250 OPTIMA BATTERY-POWERED DECK-MOUNTED MID BODY FAUCET 0.5 GPM FAUCET. GRAPHITE FINISH. TRIM: MCGUIRE # 155A GRID DRAIN WITH TAILPIECE, MCGUIRE # LF2165CCLK LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, MCGUIRE # B8872CF 1-1/4" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, PLUMBEREX "PRO-EXTREME" # X-4222 INSULATION KIT FOR WATER AND WASTE PIPES.
UCL-3	ARTISTS SUITE LAVATORY (ADA ACCESSIBLE); KOHLER IRON PLAINS K-5400 UNDERMOUNT ENAMELED CAST IRON UNDERMOUNT 18-1/2" RECTANGULAR SINK. COLOR 7 "BLACK BLACK". PROVIDE WITH ALL MANUFACTURER RECOMMENDED MOUNTING HARDWARE. FAUCET: KOHLER # EAF-250 OPTIMA BATTERY-POWERED DECK-MOUNTED MID BODY FAUCET 0.5 GPM FAUCET. GRAPHITE FINISH. TRIM: MCGUIRE # 155A GRID DRAIN WITH TAILPIECE, MCGUIRE # LF2165CCLK LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, MCGUIRE # B8872CF 1-1/4" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON.
UR1	URINAL: KOHLER "DEXTER" # K-5452-ET .0125 GPF, BLACK VITREOUS CHINA FIXTURE, 3/4" TOP SPUD, AND WASHOUT FLUSHING ACTION. 0.125 BOWL. VALVE: SLOAN # 186-025-CP 0.125 GALLON PER FLUSH, MANUAL FLUSH VALVE, CHROME-PLATED, ESCUTCHEON, INTEGRAL VACUUM BREAKER, 3/4" FLUSH TUBE, AND SWEAT ADAPTER KIT. TRIM: SUITABLE CARRIER WITH STANCHIONS TO FLOOR.
UR2	URINAL: KOHLER "DEXTER" # K-5452-ET .0125 GPF, BLACK VITREOUS CHINA FIXTURE, 3/4" TOP SPUD, AND WASHOUT FLUSHING ACTION. 0.125 BOWL. VALVE: SLOAN # 186-025-CP 0.125 GALLON PER FLUSH, MANUAL FLUSH VALVE, CHROME-PLATED, ESCUTCHEON, INTEGRAL VACUUM BREAKER, 3/4" FLUSH TUBE, AND SWEAT ADAPTER KIT. TRIM: SUITABLE CARRIER WITH STANCHIONS TO FLOOR.
WC-1	FLOOR-MOUNTED WATER CLOSET (ADA ACCESSIBLE); KOHLER # K-96057-7 BLACK VITREOUS CHINA FIXTURE WITH ELONGATED UNIVERSAL BOWL AND 1 1/2" TOP SPUD. VALVE: SLOAN # REGAL 111, 1.28 GALLON PER FLUSH EXPOSED, CHROME-PLATED, MANUAL VALVE, INTEGRAL SCREWDRIVER STOP, VACUUM BREAKER, AND SWEAT ADAPTER KIT. TRIM: CHURCH # 9500SSCT BLACK OPEN-FRONT CONTOURED, SOLID PLASTIC, HEAVY DUTY, SEAT LESS COVER WITH SELF-SUSTAINING CHECK HINGES AND STAINLESS STEEL BOLTS.
WC-2	FLOOR-MOUNTED WATER CLOSET (ADA ACCESSIBLE); AMERICAN STANDARD # 3043.001 "MADERA" WHITE VITREOUS CHINA FIXTURE WITH ELONGATED UNIVERSAL BOWL AND DIRECT-FED SIPHON JET ACTION. VALVE: SLOAN "SLOAN" # 111 1.28 GALLON PER FLUSH EXPOSED CHROME-PLATED DIAPHRAGM TYPE FLUSH VALVE WITH CHLORAMINE RESISTANT DIAPHRAGM AND PROTECTED ORIFICE, OSCILLATING ADA COMPLIANT HANDLE, ESCUTCHEON, INTEGRAL SCREWDRIVER STOP WITH VANDAL RESISTANT CAP, VACUUM BREAKER, AND SWEAT ADAPTER KIT. INSTALL FLUSH VALVE HANDLE ON THE WIDE SIDE OF THE STALL. TRIM: CHURCH # 9500SSCT WHITE OPEN-FRONT CONTOURED, SOLID PLASTIC, HEAVY DUTY, SEAT LESS COVER WITH SELF-SUSTAINING CHECK HINGES AND STAINLESS STEEL BOLTS.
WC-3	ARTIST SUITE FLOOR MOUNTED SINGLE PIECE TANK TYPE WATER CLOSET (ADA COMPLIANT); KOHLER SANTA ROSA #K-3810-7 TANK TYPE "BLACK BLACK" VITREOUS CHINA ELONGATED BOWL, 1.28 GALLON PER FLUSH, AND SIPHON FLUSH ACTION WITH 3" OVERSIZED FLAPPER VALVE WITH TRIP LEVER ON THE WIDE SIDE OF THE STALL. MATTE BLACK FINISH AND SEAT TRIM. ALL BLACK HARDWARE INCLUDING MODEL #9169-LR/BLACK TRIP LEVER HANDLE. MCGUIRE #LF2166CC LEAD FREE BRASS ANGLE STOP VALVE WITH RISER AND BLACK ESCUTCHEON.
WCO	WALL CLEANOUT: JAY R. SMITH # 4530S, CAST IRON CLEANOUT TEE, COUNTER SUNK PLUG, STAINLESS STEEL ROUND COVER AND SCREW, AND IRON PLUG WITH GASKET SEAL. REFER TO SPECIFICATIONS FOR INSTALLATION.
WML-1	SECURITY/MEDIC OFFICE LAVATORY (ADA ACCESSIBLE); KOHLER GREENWHICH # K-2031-R-O RECTANGULAR 20-3/4" L x 18-1/4" W WALL MOUNTED WHITE VITREOUS CHINA FIXTURE WITH FAUCET LEDGE AND FRONT OVERFLOW. FAUCET: KOHLER # K-23472-4N-BL PARALLEL SINGLE HAND SINGLE-HANDLE ADA COMPLIANT 0.5 GPM FAUCET. MATTE BLACK FINISH. TRIM: MCGUIRE # 155A GRID DRAIN WITH TAILPIECE, MCGUIRE # LF2165CCLK LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, MCGUIRE # B8872CF 1-1/4" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, CONCEALED ARM CARRIER WITH STANCHIONS TO FLOOR.
WML-2	KOHLER GREENWHICH # K-2031-R-O RECTANGULAR 20-3/4" L x 18-1/4" W WALL MOUNTED WHITE VITREOUS CHINA FIXTURE WITH FAUCET LEDGE AND FRONT OVERFLOW. KOHLER # K-23472-4N-BL PARALLEL SINGLE HAND SINGLE-HANDLE ADA COMPLIANT 0.5 GPM FAUCET. MATTE BLACK FINISH. TRIM: MCGUIRE # 155A GRID DRAIN WITH TAILPIECE, MCGUIRE # LF2165CCLK LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, MCGUIRE # B8872CF 1-1/4" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, CONCEALED ARM CARRIER WITH STANCHIONS TO FLOOR.
YH-1	NON-FREEZE YARD HYDRANT: PRIER P-650BX1 FREEZE PROOF GROUND HYDRANT WITH 3/4" FEMALE INLET, 3/4" MALE THREADED HOSE CONNECTION, 1/8" DRAIN HOLE, LOOSE KEY OPERATOR, SATIN NICKEL PLATED BRASS BOX WITH CYLINDER LOCK AND INTEGRAL ASSE 1052 DOUBLE CHECK VACUUM BREAKER. INSTALL PER DETAIL.



### BENTONVILLE BALLROOM

86 E STREET & 6TH STREET  
BENTONVILLE, AR  
72715  
CLIENT  
**LIVE NATION**  
325 N. MAPLE DRIVE  
REVERLY HILLS, CA  
90706



EXECUTIVE ARCHITECT  
**POLY STANLEY WILCOX**  
50 W. SPRING ST., SUITE 150  
FAVETVILLE, AR 72701  
1-410-644-0073

MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION ENGINEER  
**HENDERSON ENGINEERS**  
85 SOUTH WALTON BLVD., SUITE 100  
BENTONVILLE, AR 72712  
1-410-671-0021

CIVIL ENGINEER & LANDSCAPE ARCHITECT  
**ECOLOGICAL DESIGN GROUP**  
216 WEST BIRCH ST  
RODGERS, AR 72756  
1-410-378-0202

LIGHTING DESIGN  
**VISUAL TERRAIN**  
2513 AVENUE TERRITTS  
SANTA CARLA, CA 91555  
1-410-773-7708

ACOUSTICS  
**SALAS O'BRIEN**  
18 DECKER DRIVE, SUITE 200  
POMPA, TX 75062  
1-410-612-4302

ACOUSTICS  
**TRIMARK**  
210 COMMERCIAL  
POMPA, CA 95062  
1-410-682-9505

STRUCTURAL ENGINEER  
**BJARKE INGELS GROUP**  
45 MAIN STREET, SUITE 901  
BROOKLYN, NY 10011, USA  
1-212-585-6141

ACOUSTICS  
**METROPOLITAN ACOUSTICS**  
1601 4TH BLVD., # FOUN CENTER, SUITE 1002  
PHILADELPHIA, PA 19103  
1-410-255-2400

ACOUSTICS  
**METROPOLITAN ACOUSTICS**  
1601 4TH BLVD., # FOUN CENTER, SUITE 1002  
PHILADELPHIA, PA 19103  
1-410-255-2400

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KEY PLAN (N/S)

PROJECT NUMBER	SHEET NUMBER
24531	
LOG NUMBER	5950
SCALE	
FORMAT	ARCH D

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