

## PLUMBING SYMBOL LIST

NOTE: THIS IS A MASTER SCHEDULE. NOT ALL SYMBOLS CONTAINED HEREIN MAY APPEAR ON THE DRAWINGS.

<p>--- ITEM TO BE REMOVED</p> <p>◆ POINT OF CONNECTION/DISCONNECTION</p> <p>◇ SHEET NOTE</p> <p>△ REVISION NUMBER</p> <p>⊠ TAG UNIT</p> <p>⊠ ACCESS PANEL</p> <p>⊠ CLEAN OUT</p> <p>⊠ WALL CLEAN OUT</p> <p>⊠ FLOOR CLEAN OUT</p> <p>⊠ GRADE CLEAN OUT</p> <p>⊠ FLOOR DRAIN</p> <p>⊠ FLOOR SINK</p> <p>⊠ FLOOR SINK W/ GRATE</p> <p>⊠ ROOF DRAIN</p> <p>⊠ OVERFLOW ROOF DRAIN</p> <p>⊠ VENT THRU ROOF</p> <p>⊠ FLOW SWITCH</p> <p>⊠ GAS REGULATOR</p> <p>⊠ GAS METER</p> <p>⊠ WATER METER</p> <p>⊠ WATER HAMMER ARRESTOR</p> <p>⊠ SHUT-OFF VALVE IN IRRIGATION BOX</p> <p>⊠ BACKFLOW PREVENTION STATION</p> <p>⊠ HOSE BIBB</p> <p>—A— COMPRESSED AIR LINES</p> <p>—CD— CONDENSATE DRAIN PIPING</p> <p>—PC— PUMPED CONDENSATE DRAIN PIPING</p> <p>—D— DRAIN PIPING</p> <p>—C— COLD WATER PIPING</p> <p>—CW— INDUSTRIAL COLD WATER PIPING</p> <p>—SCW— INDUSTRIAL SOFTENED COLD WATER PIPING</p> <p>—SCW— SOFTENED COLD WATER PIPING</p> <p>—F— FIRE PROTECTION PIPING</p> <p>—HPG— HIGH PRESSURE GAS PIPING</p> <p>—G— LOW PRESSURE GAS PIPING</p> <p>—MPG— MEDIUM PRESSURE GAS PIPING</p> <p>----GV----- GAS VENT PIPING</p> <p>----- HOT WATER PIPING</p> <p>—140°— 140° HOT WATER PIPING</p> <p>----- HOT WATER RETURN PIPING</p> <p>—TW— TEMPERED WATER PIPING</p> <p>—ORD— OVERFLOW ROOF DRAIN PIPING</p>	<p>—RD— ROOF DRAIN PIPING</p> <p>----AV---- ACID VENT PIPING</p> <p>—AW— ABOVE GROUND ACID WASTE PIPING</p> <p>—AW— UNDERGROUND ACID WASTE PIPING</p> <p>----- VENT PIPING</p> <p>----- ABOVE GROUND WASTE PIPING</p> <p>----- UNDERGROUND WASTE PIPING</p> <p>—GW— ABOVE GROUND GREASE WASTE PIPING</p> <p>—GW— UNDERGROUND GREASE WASTE PIPING</p> <p>—GW— ABOVE GROUND GW PIPING W/HEAT TRACE</p> <p>—GW— UNDERGROUND GW PIPING W/HEAT TRACE</p> <p>⊠ CIRCUIT SETTER</p> <p>⊠ 2-WAY ELECTRONIC CONTROL VALVE</p> <p>⊠ 3-WAY ELECTRONIC CONTROL VALVE</p> <p>⊠ 2-WAY PNEUMATIC CONTROL VALVE</p> <p>⊠ 3-WAY PNEUMATIC CONTROL VALVE</p> <p>⊠ SOLENOID VALVE</p> <p>⊠ BUTTERFLY VALVE</p> <p>⊠ PLUG VALVE</p> <p>⊠ GAS COCK</p> <p>⊠ BALL VALVE</p> <p>⊠ CHECK VALVE</p> <p>⊠ GATE VALVE</p> <p>⊠ HOSE END DRAIN VALVE</p> <p>⊠ PRESSURE REDUCING VALVE</p> <p>⊠ RELIEF VALVE</p> <p>⊠ TEMPERATURE PRESSURE RELIEF VALVE</p> <p>⊠ THERMOMETER</p> <p>⊠ PRESSURE GAUGE WITH GAUGE COCK</p> <p>⊠ MANUAL AIR VENT</p> <p>⊠ PRESSURE TEMPERATURE PORT</p> <p>⊠ Y-STRAINER WITH BLOWDOWN</p> <p>⊠ PIPE GUIDE</p> <p>⊠ UNION</p> <p>⊠ PIPE ANCHOR</p> <p>⊠ FLEXIBLE CONNECTOR</p> <p>⊠ PIPE CAP/STUB-OUT</p> <p>⊠ DIRECTION OF FLOW</p> <p>⊠ PIPE DOWN</p> <p>⊠ PIPE UP</p> <p>⊠ PIPE TEE UP</p> <p>⊠ PIPE TEE DOWN</p>
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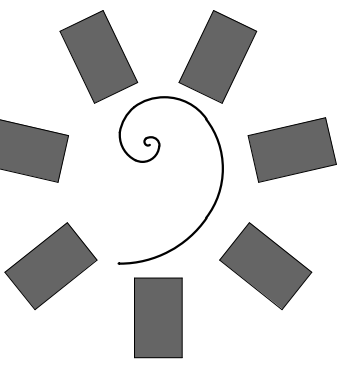
## PLUMBING ABBREVIATIONS

NOTE: THIS IS A MASTER SCHEDULE. NOT ALL ABBREVIATIONS CONTAINED HEREIN MAY APPEAR ON THE DRAWINGS.

AABC AMERICAN AIR BALANCE COUNCIL	GCO GRADE CLEANOUT	PD PRESSURE DROP	PRV PRESSURE REDUCING VALVE
ACD AUTOMATIC CONTROL DAMPER	GI GREASE INTERCEPTOR	PSI POUNDS PER SQUARE INCH	PSIA POUNDS PER SQUARE INCH ABSOLUTE
AFF ABOVE FINISHED FLOOR	GPF GALLONS PER FLUSH	PSID POUNDS PER SQUARE INCH DIFFERENTIAL	PSIG POUNDS PER SQUARE INCH GAUGE
AP ACCESS PANEL	GPM GALLONS PER MINUTE	PSI POUNDS PER SQUARE INCH	RA EXISTING TO BE RELOCATED
ASHRAE AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS	GR GLYCOL RETURN	PSID POUNDS PER SQUARE INCH GAUGE	RD RETURN AIR
ASPE AMERICAN SOCIETY OF PLUMBING ENGINEERS	GS GLYCOL SUPPLY	PSIG POUNDS PER SQUARE INCH GAUGE	RH RELATIVE HUMIDITY
AV ACID VENT	GW GREASE WASTE	R/S REFRIGERANT LIQUID/SUCTION	RPM REVOLUTIONS PER MINUTE
AW ACID WASTE	HD HEAD	RPPA REDUCED PRESSURE PRINCIPAL ASSEMBLY	RVD REMOTE VOLUME DAMPER
BFD BACKFLOW PREVENTION DEVICE	HP HORSEPOWER	SA SUPPLY AIR	SD SMOKE DAMPER
BHP BRAKE HORSEPOWER	HPG HIGH PRESSURE GAS	SEER SEASONAL ENERGY EFFICIENCY RATIO	SOI SAND OIL INTERCEPTOR
BTUH BRITISH THERMAL UNIT PER HOUR	HR HOUR	SOI SAND OIL INTERCEPTOR	SP STATIC PRESSURE (INCHES OF W.C.)
CD CONDENSATE DRAIN	HSPF HEATING SEASONAL PERFORMANCE FACTOR	SOI SAND OIL INTERCEPTOR	SPECS SPECIFICATIONS
CFM CUBIC FEET PER MINUTE	HW HOT WATER	SOI SAND OIL INTERCEPTOR	SO SQUARE
CHAR CHARACTERISTICS	HWR HEATING HOT WATER RETURN	SOI SAND OIL INTERCEPTOR	SQFT SQUARE FEET
CHR CHILLED WATER RETURN	HWS HEATING HOT WATER SUPPLY	SOI SAND OIL INTERCEPTOR	SS STAINLESS STEEL
CHS CHILLED WATER SUPPLY	IBC INTERNATIONAL BUILDING CODE	SOI SAND OIL INTERCEPTOR	T TEMPERATURE
CO CLEANOUT	IE INVERT ELEVATION	SOI SAND OIL INTERCEPTOR	TAB TEST AND BALANCE REPORT
CO CONDENSER WATER RETURN	IMC INTERNATIONAL MECHANICAL CODE	SOI SAND OIL INTERCEPTOR	TSP TOTAL STATIC PRESSURE
CS CONDENSER WATER SUPPLY	IPC INTERNATIONAL PLUMBING CODE	SOI SAND OIL INTERCEPTOR	TW TEMPERED WATER
CW COLD WATER	KW KILOWATT	SOI SAND OIL INTERCEPTOR	TYP TYPICAL
D DRAIN	LAT LEAVING AIR TEMPERATURE	SOI SAND OIL INTERCEPTOR	UBC UNIFORM BUILDING CODE
DB DRY BULB TEMPERATURE	LBS POUNDS	SOI SAND OIL INTERCEPTOR	UMC UNIFORM MECHANICAL CODE
DDC DIRECT DIGITAL CONTROL	LWT LEAVING WATER TEMPERATURE	SOI SAND OIL INTERCEPTOR	UON UNLESS OTHERWISE NOTED
DIA DIAMETER	MAX MAXIMUM	SOI SAND OIL INTERCEPTOR	UPC UNIFORM PLUMBING CODE
DN DOWN	MBH ONE THOUSAND BTUH	SOI SAND OIL INTERCEPTOR	V VENT
DX DIRECT EXPANSION	MCA MINIMUM CIRCUIT AMPS	SOI SAND OIL INTERCEPTOR	V/PH/Hz VOLTAGE/PHASE/HERTZ
(E) EXISTING TO REMAIN	MIN MINIMUM	SOI SAND OIL INTERCEPTOR	VFD VARIABLE FREQUENCY DRIVE
EA EXHAUST AIR	MOCOP MAXIMUM OVERCURRENT PROTECTION	SOI SAND OIL INTERCEPTOR	VTR VENT THROUGH ROOF
EAT ENTERING AIR TEMPERATURE	MPG MEDIUM PRESSURE GAS	SOI SAND OIL INTERCEPTOR	WB WET BULB TEMPERATURE
EC ELECTRICAL CONTRACTOR	MVD MANUAL VOLUME DAMPER	SOI SAND OIL INTERCEPTOR	WCO WALL CLEANOUT
EER ENERGY EFFICIENCY RATIO	N/A NOT APPLICABLE	SOI SAND OIL INTERCEPTOR	WG WATER GAUGE
EFF EFFICIENCY	NC NORMALLY CLOSED	SOI SAND OIL INTERCEPTOR	WMS WIRE MESH SCREEN
ELEC ELECTRICAL	NEBB NATIONAL ENVIRONMENTAL BALANCING BUREAU	SOI SAND OIL INTERCEPTOR	(X) EXISTING TO BE REMOVED
ESP EXTERNAL STATIC PRESSURE	NEC NATIONAL ELECTRIC CODE	SOI SAND OIL INTERCEPTOR	
EWT ENTERING WATER TEMPERATURE	NFPA NATIONAL FIRE PROTECTION ASSOCIATION	SOI SAND OIL INTERCEPTOR	
F FAHRENHEIT	NIC NOT IN CONTRACT	SOI SAND OIL INTERCEPTOR	
FCO FLOOR CLEANOUT	NO NORMALLY OPEN	SOI SAND OIL INTERCEPTOR	
FD FIRE DAMPER	NTS NOT TO SCALE	SOI SAND OIL INTERCEPTOR	
FPM FEET PER MINUTE	O/A OUTSIDE AIR	SOI SAND OIL INTERCEPTOR	
FSD FIRE / SMOKE DAMPER	OAT OUTSIDE AIR TEMPERATURE	SOI SAND OIL INTERCEPTOR	
G GAS	OBD OPPOSED BLADE DAMPER	SOI SAND OIL INTERCEPTOR	
GA GAGE OR GAUGE	OED OPEN END DUCT	SOI SAND OIL INTERCEPTOR	
GAL GALLONS	OFCI OWNER FURNISHED, CONTRACTOR INSTALLED	SOI SAND OIL INTERCEPTOR	

## PLUMBING - DRAWING INDEX

SHEET NUMBER	SHEET NAME	05/03/18 - BID PACKAGE 05			
		MM.DD.YYYY	MM.DD.YYYY	MM.DD.YYYY	MM.DD.YYYY
P0.1	PLUMBING ABBREVIATIONS AND SYMBOLS LIST	X			
P0.2	PLUMBING SPECIFICATIONS	X			
P0.3	PLUMBING SCHEDULES	X			
P0.5	PLUMBING DIAGRAMS	X			
P0.6	GAS ISOMETRIC DIAGRAM	X			
P1.0	PLUMBING OVERALL FLOOR PLAN	X			
P1.1	PLUMBING ENLARGED FLOOR PLAN - GAMING	X			
P1.01	PLUMBING SITE PLAN	X			
P1.2	PLUMBING ENLARGED FLOOR PLAN - SOUTH	X			
P1.3	PLUMBING ENLARGED FLOOR PLAN - BOH	X			
P1.4	PLUMBING ENLARGED FLOOR PLAN - BANQUET BOH	X			
P1.5	PLUMBING ENLARGED FLOOR PLAN - NORTH	X			
P1.6	PLUMBING ENLARGED PLANS - WATER & GAS	X			
P1.7	PLUMBING ENLARGED PLANS - WATER & GAS	X			
P1.8	PLUMBING ENLARGED PLANS - DW & V	X			
P1.9	PLUMBING ENLARGED PLANS - DW & V	X			
P6.1	PLUMBING ROOF PLAN	X			
PFS.101	PLUMBING FOOD SERVICE WASTE & VENT PLAN - CASINO BAR & EDR	X			
PFS.102	PLUMBING FOOD SERVICE WASTE & VENT PLAN - GRAB-N-GO KITCHEN	X			
PFS.103	PLUMBING FOOD SERVICE WASTE & VENT PLAN - BANQUET KITCHEN	X			
PFS.104	PLUMBING FOOD SERVICE WASTE & VENT PLAN - WAREHOUSE	X			
PFS.105	PLUMBING FOOD SERVICE WASTE & VENT PLAN - FINE DINING	X			
PFS.106	PLUMBING FOOD SERVICE WATER & GAS PLAN - CASINO BAR & EDR	X			
PFS.107	PLUMBING FOOD SERVICE WATER & GAS PLAN - GRAB-N-GO KITCHEN	X			
PFS.108	PLUMBING FOOD SERVICE WATER & GAS PLAN - BANQUET KITCHEN	X			
PFS.109	PLUMBING FOOD SERVICE WATER & GAS PLAN - FINE DINING	X			
TOTAL:	26	X			



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CHEROKEE NATION ENTERTAINMENT  
**TAHLEQUAH CASINO**  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:  
**BID PACKAGE 05**

REVISIONS	
#	DESCRIPTION

DATE: 05/03/18      JOB NUMBER: 17-06

SHEET NUMBER:  
**P0.1**

PLUMBING  
ABBREVIATIONS  
AND SYMBOLS LIST





### WATER HAMMER ARRESTORS

P.D.I. SYMBOL	CONN. SIZE, IN.	FIXTURE UNITS
A	3/4"	1 - 11
B	1"	12 - 32
C	1"	33 - 60
D	1"	61 - 113
E	1"	114 - 154
F	1"	155 - 330

NOTE: INSTALL AS PER MANUFACTURER MODEL'S RECOMMENDATIONS (P.D.I. = PLUMBING DRAINAGE INSTITUTE STANDARDS.)

### PLUMBING FIXTURE SPECIFICATIONS

MARK	DESCRIPTION
WC-1	WATER CLOSET (ACCESSIBLE) - AMERICAN STANDARD #2294.011EC, VITREOUS CHINA, WHITE-0 FINISH, WALL MOUNT, ELONGATED BOWL, SOLID PLASTIC OPEN FRONT SEAT, LESS COVER, AMERICAN STANDARD #6065.121.002 BATTERY POWERED, SENSOR OPERATED FLUSHOMETER, 1.28 GPF, PROVIDE SUPPORT CARRIER BY JR SMITH OR ZURN. WC-1 SAME FIXTURE MOUNTED AT ACCESSIBLE RIM HEIGHT. REFER TO ARCHITECT'S ACCESSIBILITY DETAILS PRIOR TO ROUGH-IN.
WC-2	WATER CLOSET - AMERICAN STANDARD #2294.011EC, VITREOUS CHINA, WHITE-0 FINISH, WALL MOUNT, ELONGATED BOWL, SOLID PLASTIC OPEN FRONT SEAT, LESS COVER, AMERICAN STANDARD #6065.121.002 BATTERY POWERED, SENSOR OPERATED FLUSHOMETER, 1.28 GPF, PROVIDE SUPPORT CARRIER BY JR SMITH OR ZURN. WC-1 SAME FIXTURE MOUNTED AT ACCESSIBLE RIM HEIGHT. REFER TO ARCHITECT'S ACCESSIBILITY DETAILS PRIOR TO ROUGH-IN.
U-1	URINAL (ACCESSIBLE) - AMERICAN STANDARD DECORUM #6042.001EC, WALL HUNG, VITREOUS CHINA, 1 1/4" INLET SPUD, 0.125 GPF, 2" TOP SPUD, FRONT JETTED, BLOWDOWN-TYPE, 1 1/2" GLAZED TRAPWAY, FLUSHING RIM. FLUSH VALVE: AMERICAN STANDARD #6063.025.002, 0.125 GPF, BATTERY POWERED, SENSOR OPERATED, WHITE FINISH. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS PRIOR TO ROUGH-IN.
U-2	URINAL - AMERICAN STANDARD DECORUM #6042.001EC, WALL HUNG, VITREOUS CHINA, 1 1/4" INLET SPUD, 0.125 GPF, 2" TOP SPUD, FRONT JETTED, BLOWDOWN-TYPE, 1 1/2" GLAZED TRAPWAY, FLUSHING RIM. FLUSH VALVE: AMERICAN STANDARD #6063.025.002, 0.125 GPF, BATTERY POWERED, SENSOR OPERATED, WHITE FINISH. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS PRIOR TO ROUGH-IN.
L-1	LAVATORY (ACCESSIBLE) - KOHLER PENNINGTON K-2196-1R VITREOUS CHINA, DROP-IN, WHITE FINISH. FAUCET: SLOAN MODEL #EFX100, SENSOR OPERATED, BATTERY POWERED, 0.5 GPM, CHROME PLATED FINISH. LOOSE KEY STOPS, BRAIDED STAINLESS STEEL SUPPLY, GRID DRAIN, ADJUSTABLE P-TRAP. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS PRIOR TO ROUGH-IN. PROVIDE PIPE PROTECTION PER ADA REQUIREMENTS.
L-2	LAVATORY (ACCESSIBLE) - KOHLER KATHRYN K-2297 VITREOUS CHINA, UNDER COUNTER, WHITE FINISH. FAUCET: SLOAN MODEL #EFX100, SENSOR OPERATED, BATTERY POWERED, 0.5 GPM, CHROME PLATED FINISH, LOOSE KEY STOPS, BRAIDED STAINLESS STEEL SUPPLY, GRID DRAIN, ADJUSTABLE P-TRAP. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS PRIOR TO ROUGH-IN. PROVIDE PIPE PROTECTION PER ADA REQUIREMENTS.
HS-1	HAND SINK (ACCESSIBLE) - ADVANCE TABCO #7-PS-68, 304 SERIES STAINLESS STEEL, WALL MOUNTED, FAUCET: CHICAGO FAUCETS #W4W-GN1AE35-317AB, 1.5 GPM AERATOR, 4" VANDAL PROOF WRISTBLADE HANDLE, WALL MOUNTED, GOOSENECK SPOUT.
MS-1	MOP SINK - FIAT MSB-3624, 36"x24" FLOOR MOUNT, POLYMER CONSTRUCTION, 832-AA HOSE AND BRACKET, 880-CC MOP HANGER, E-77AA VINYL RIM GUARDS, SYMMONS S-2490-CHK5 WALL MOUNT BACK INLET SERVICE FAUCET WITH HOSE END SPOUT, PAIL HOOK, WALL BRACKET, INTEGRAL STOPS, CHECKS AND VACUUM BREAKER.
FD-1	FLOOR DRAIN - FOR SHOWERS, TOILETS, TERRACE, AND KITCHENS, J.R. SMITH #2010A, CAST IRON BODY, 6" DIAMETER NICKEL BRONZE SQUARE HOLE GRATE, INTEGRAL FLASHING FLANGE. PROVIDE WITH TRAP-GAURD.
FD-2	FLOOR DRAIN - FOR CASINO AREA UNDER RAISED FLOOR, J.R. SMITH #2130, SHALLOW DRAIN, 12" DIAMETER ROUND TOP, DUCO CAST IRON BODY AND FLASHING COLLAR WITH CAST IRON BAR GRATE, MEDIUM DUTY. PROVIDE WITH TRAP-GAURD.
FS-1	FLOOR SINK - ZURN MODEL Z1900 12"x12" WITH 6" SUMP DEPTH. CAST IRON BODY AND SQUARE SLOTTED GRATE WITH ANTI-SPLASH ENAMEL INTERIOR AND TOP COATING.
RD-1	ROOF DRAIN - J.R. SMITH #1010-ERC, CAST IRON BODY, CAST IRON OR CAST ALUMINUM DOME STRAINER, EXTENSION AS REQUIRED, SUMP RECEIVER AND UNDERDECK CLAMP.
ORD-1	OVERFLOW ROOF DRAIN - J.R. SMITH #1080-ERC, CAST IRON BODY, CAST IRON OR CAST ALUMINUM DOME STRAINER, EXTENSION AS REQUIRED, SUMP RECEIVER AND UNDERDECK CLAMP. INTEGRAL 2" HIGH SOLID WATER DAM.
HB-1	HOSE BIBB - WOODFORD MODEL RB65, AUTOMATIC DRAINING FREEZELESS WALL HYDRANT IN BOX WITH VACUUM BREAKER AND LOOSE TEEKEY OPERATOR.
HB-2	ROOF TOP FREEZE PROOF HOSE BIBB - WOODFORD #SRH-MS 3/4" HOSE FAUCET WITH ASSE 1052 CERTIFIED DOUBLE CHECK VALVE BACKFLOW PREVENTER (FIELD TESTABLE), ROOF DECK SLEEVE / SUPPORT WITH UNDERDECK CLAMP AND RAIN BOOT.
TD-1	TRENCH DRAIN - MIFAB MODEL P6030-29, 3" W x DESIRED LENGTH, CENTERED BOTTOM OUTLET WITH STAINLESS STEEL BODY AND GRATE. PROVIDE WITH SLIP RESISTANT GRATE. PROVIDE WITH TRAP-GAURD.
TD-2	TRENCH DRAIN - MIFAB MODEL P6060-SBG, 6" W x DESIRED LENGTH, CENTERED BOTTOM OUTLET WITH STAINLESS STEEL BODY AND GRATE. PROVIDE WITH STAINLESS STEEL BAR GRATE. PROVIDE WITH TRAP-GAURD.
DSN-1	DOWNSPOUT NOZZLE - ZURN Z199-DC, STAINLESS STEEL FRAME WITH SECURED PERFORATED S.S. HINGED STRAINER.

### PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	ROUGH-IN (INCHES)						REMARKS
		C.W.	TW	HW	V	S/W	TRAP	
WC-1	WATER CLOSET	1	-	-	-	-	-	WALL MOUNT - ACCESSIBLE
WC-2	WATER CLOSET	1	-	-	-	-	-	WALL MOUNT
U-1	URINAL	3/4	-	-	2	2	-	WALL HUNG - ACCESSIBLE
U-2	URINAL	3/4	-	-	2	2	-	WALL HUNG
L-1	LAVATORY	1/2	-	1/2	1 1/2	2	1 1/4 X 1 1/2	COUNTER
L-2	LAVATORY	1/2	-	1/2	1 1/2	2	-	UNDER MOUNT
HS-1	HAND SINK	1/2	-	1/2	1 1/2	2	-	WALL MOUNTED
MS-1	MOP SINK	3/4	-	3/4	2	3	-	FLOOR MOUNT
FD-1	FLOOR DRAIN	-	-	-	-	-	-	SIZE AS SHOWN UNLESS NOTED OTHERWISE
FD-2	FLOOR DRAIN	-	-	-	-	-	-	SIZE AS SHOWN UNLESS NOTED OTHERWISE
FS-1	FLOOR SINK	-	-	-	-	-	-	SIZE AS SHOWN UNLESS NOTED OTHERWISE
RD-1	ROOF DRAIN	-	-	-	-	-	-	REFER TO DWGS. FOR EXACT SIZES
ORD-1	ROOF DRAIN	-	-	-	-	-	-	REFER TO DWGS. FOR EXACT SIZES
HB-1	HOSE BIBB	3/4	-	-	-	-	-	FREEZE PROOF RECESSED WALL BOX
HB-2	HOSE BIBB	3/4	-	-	-	-	-	FREEZE PROOF KEY OPERATED
TD-1	TROUGH DRAIN	-	-	-	-	-	-	SIZE AS SHOWN UNLESS NOTED OTHERWISE
TD-2	TROUGH DRAIN	-	-	-	-	-	-	SIZE AS SHOWN UNLESS NOTED OTHERWISE

PROVIDE STOPS ON ALL FIXTURES NOT FURNISHED WITH INTREGAL STOPS. REFER TO PLANS FOR TEMPERED/HOT WATER LOCATIONS.

### WATER SOFTENER SCHEDULE

MARK	MANUFACTURER MODEL	GENERAL DATA		ELECTRICAL	FLOW RATE (GPM)			PIPE SIZE (IN.)		TANK SIZE (IN.)	BRINE TANK (IN.)	OPERATING WEIGHT (LBS)	REMARKS
		SIZE	GRAIN CAPACITY		CONTINUOUS	PEAK	BACKWASH	INLET	OUTLET				
WS 1	PHOENIX PF-8210-TEM-CB-SK-PLC	38"D x 99"L x 98"H	300,000	120/1/60	55 GPM	88 GPM	15 GPM	2"	2"	24"x72"	24"x50"	8,540	1, 2, 3, 4, 5

- PROVIDE WATER METER.
- CONTRACTOR TO PROVIDE INTERCONNECT PIPING AS REQUIRED.
- ASME CODE TANKS REQUIRED, RATED FOR 125 PSIG WORKING PRESSURE.
- TYPE L COPPER FACE PIPING WITH BRASS SERVICE VALVES.
- PROVIDE 4" HOUSEKEEPING PAD.

### GAS FIRED WATER HEATER SCHEDULE

MARK	MANUFACTURER MODEL	LOCATION	GENERAL DATA				RECOVERY (GPH)	TEMP RISE (°F)	ELECTRICAL	OPERATING WEIGHT (LBS)	REMARKS
			STORAGE CAPACITY (GAL)	GAS INPUT (MBH)	GAS CONNECTION (IN)	MINIMUM EFFICIENCY (%)					
WH 1	LOCHINVAR SNA201-100	EVS STORAGE 12	90	199	1/2"	96%	221	90	120/1/60	1,475	1, 2
WH 2	LOCHINVAR SNA201-100	EVS STORAGE 12	90	199	1/2"	96%	221	90	120/1/60	1,475	1, 2

- SEISMIC RESTRAINT STRAP.
- TP&R VALVE.

### DOMESTIC WATER BRANCH PIPE SIZING CALC

PROJECT: ONE TAHLEQUAH CASINO DATE: 4/18/18  
 PROJECT NO.: L18041 BY: AMOS CHECKED BY: R. JONES

Friction Loss in Head in Lbs per Sq. In. per 100 ft. Length

STATIC HEAD (S.H.) = 45 FT. x 0.43 = 19.35 P.S.I.  
 PRESS. AVAIL = 75 SERV PRESS. - (19.35 S.H. - 30 REQ'D PRESS. - 0 METER) = 25.65 PSI  
 DEVELOPED LENGTH (LONGEST RUN) = 600 FT.  
 50% FITTING LENGTH = 180 FT.  
 TOTAL EQUIVALENT LENGTH = 780 FT.  
 ALLOWABLE FRICTION LOSS/100FT. = (25.65 / 100) = 0.2565 P.S.I.

COLD WATER	MAX. FLOW (GPM)	FLUSH TANK F.U.	FLUSH VALVE F.U.	VELOCITY (FPS)
1/2"	1.4	-	-	-
3/4"	3.6	4	-	2.7
1"	7.6	8	-	3.3
1 1/4"	14	20	-	3.7
1 1/2"	23	36	21	4.3
2"	46	111	39	4.9
2 1/2"	80	275	148	5.5
3"	140	585	490	6
4"	285	1583	1583	6.5

I CERTIFY THAT THE EXISTING WATER SUPPLY SYSTEM FOR THE BUILDING WILL MEET OR EXCEED THE MINIMUM REQUIREMENTS IN THE CITY OF LAS VEGAS CURRENTLY ADOPTED UNIFORM PLUMBING CODE REQUIREMENTS FOR THE FIXTURES INSTALLED IN THE PROPOSED TENANT IMPROVEMENT.

- ENTER NAME OF P.E. ON PROJECT - MSA ENGINEERING CONSULTANTS  
 NAME COMPANY

### RECIRCULATION PUMP SCHEDULE

MARK	MANUFACTURER MODEL	SERVICE	FLOW GPM	HEAD FT	MOTOR		REMARKS
					HP	V/PH/Hz	
CP 1	BELL & GOSSET XL B 55-45	DOMESTIC HOT WATER	20	35	1/2	208/1/60	1, 2, 4

- PROVIDE SUPPLEMENTAL SUPPORT STEEL WITH NEOPRENE ISOLATION PAD.
- SET AQUASTAT TO PUMP "ON" AT 135° F AND "OFF" AT 140° F.
- SET AQUASTAT TO PUMP "ON" AT 105° F AND "OFF" AT 110° F.
- LEAD FREE.

### SUMP PUMP SCHEDULE

MARK	MANUFACTURER MODEL	SERVICE	FLOW GPM	HEAD FT.	RPM	MOTOR		REMARKS
						HP	V/PH/Hz	
SP 1	HYDRAMATIC #SHEF50	ELEV. S-1	50	25	3450	1/2	120/1/60	5

- PROVIDE 48"-x15'-6" DEEP BASIN WITH GAS TIGHT COVER HAVING ALL NECESSARY CONNECTIONS FOR THE PUMP DISCHARGE, BASIN VENT CONTROLS ETC.
- PROVIDE NEMA CONTROLLER COMPLETE WITH ALTERNATOR, MOTOR STARTERS, MOTOR PROTECTIVE DEVICES. HOA SWITCH FOR EACH PUMP AND HIGH WATER ALARM ENUNCIATOR.
- PROVIDE FLOAT SWITCHES FOR PUMPS OFF LEAD PUMP ON LAG PUMP ON AND HIGH WATER ALARM.
- PROVIDE CHECK AND GATE VALVE IN DISCHARGE PIPING FROM EACH PUMP LOCATE ABOVE BASIN IN PUMP ROOM.
- PROVIDE FLOAT SWITCHES FOR AUTOMATIC OPERATION.

### TEMPERING VALVE SCHEDULE

MARK	MANUFACTURER MODEL	dP (PSIG)	GPM	OUTLET TEMP. °F	INLET SIZE, IN.	OUTLET SIZE, IN.	REMARKS
TMV 1	LEONARD XL-186-82-LF	5	19	110	1	1 1/4	1, 2, 4
TMV 2	LEONARD XL-186-32-LF	5	11	110	3/4	3/4	1, 2, 4

- STEEL CABINET.
- RECESSED MOUNT.
- EXPOSED OR SURFACE MOUNT.
- CHROME PLATE FINISH.
- BAKED WHITE ENAMEL FINISH.
- STAINLESS STEEL

### EXPANSION TANK SCHEDULE

MARK	MANUFACTURER MODEL	LOCATION	TANK VOLUME (GAL)	ACCEPTANCE FACTOR	AIR PRE-CHARGE (PSI)	OPERATING WEIGHT (LBS)	NOTES
ET 1	AMTROL ST-42V-C	EVS STORAGE 12	20	.57	50	200	1, 2, 3, 4

- BLADDER TYPE.
- 150 PSI WORKING PRESSURE FOR POTABLE HOT WATER USE.
- MOUNT ON 4" HOUSEKEEPING PAD.
- APPLICATION PER FDA REQUIREMENTS.

### GREASE INTERCEPTOR SCHEDULE

REF: 2012 UPC 1014.3, TABLE 1014.3.6

MARK	MANUFACTURER MODEL	LOCATION	TANK VOLUME (GAL)	ACCEPTANCE FACTOR	AIR PRE-CHARGE (PSI)	OPERATING WEIGHT (LBS)	NOTES
GI 1	JENSEN PRECAST - JP1000EE-G	EVS STORAGE 12	1,000	.57	50	200	1, 2, 3, 4
GI 2	JENSEN PRECAST - JP1500EE-G	EVS STORAGE 12	1,500	.57	50	200	1, 2, 3, 4

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REGISTERED PROFESSIONAL ENGINEER  
 BENJAMIN W. CHILDERS  
 OKLAHOMA  
 NO. 1888  
 MAY 03 2018

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msa  
 ENGINEERING CONSULTANTS  
 7878 North 16th St., Suite 140  
 Oklahoma City, OK 73120  
 T. (405) 943-8424  
 msa-pbx.com

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CHEROKEE NATION Entertainment  
 Cherokee CASINO

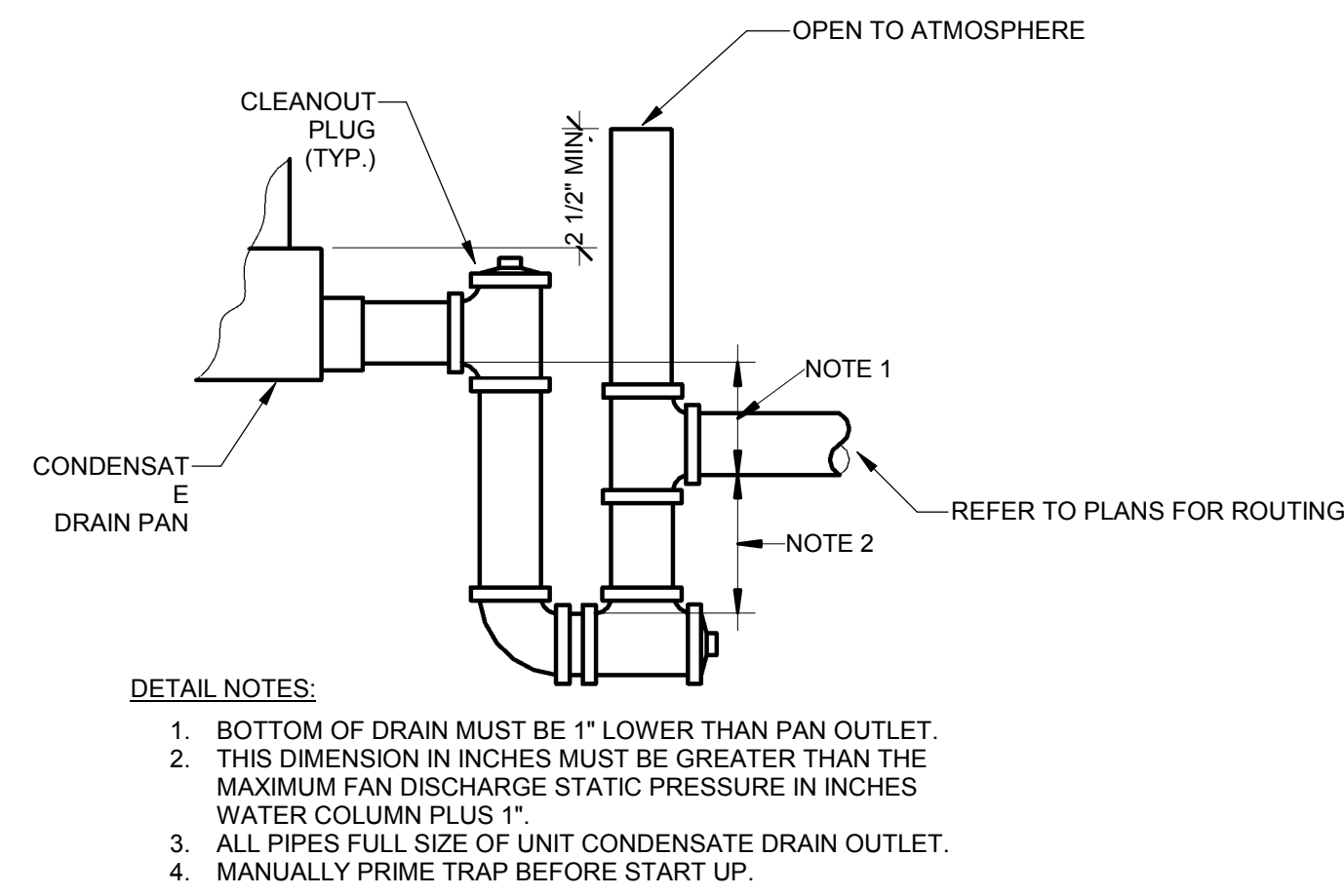
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PROJECT PHASE:  
**BID PACKAGE 05**

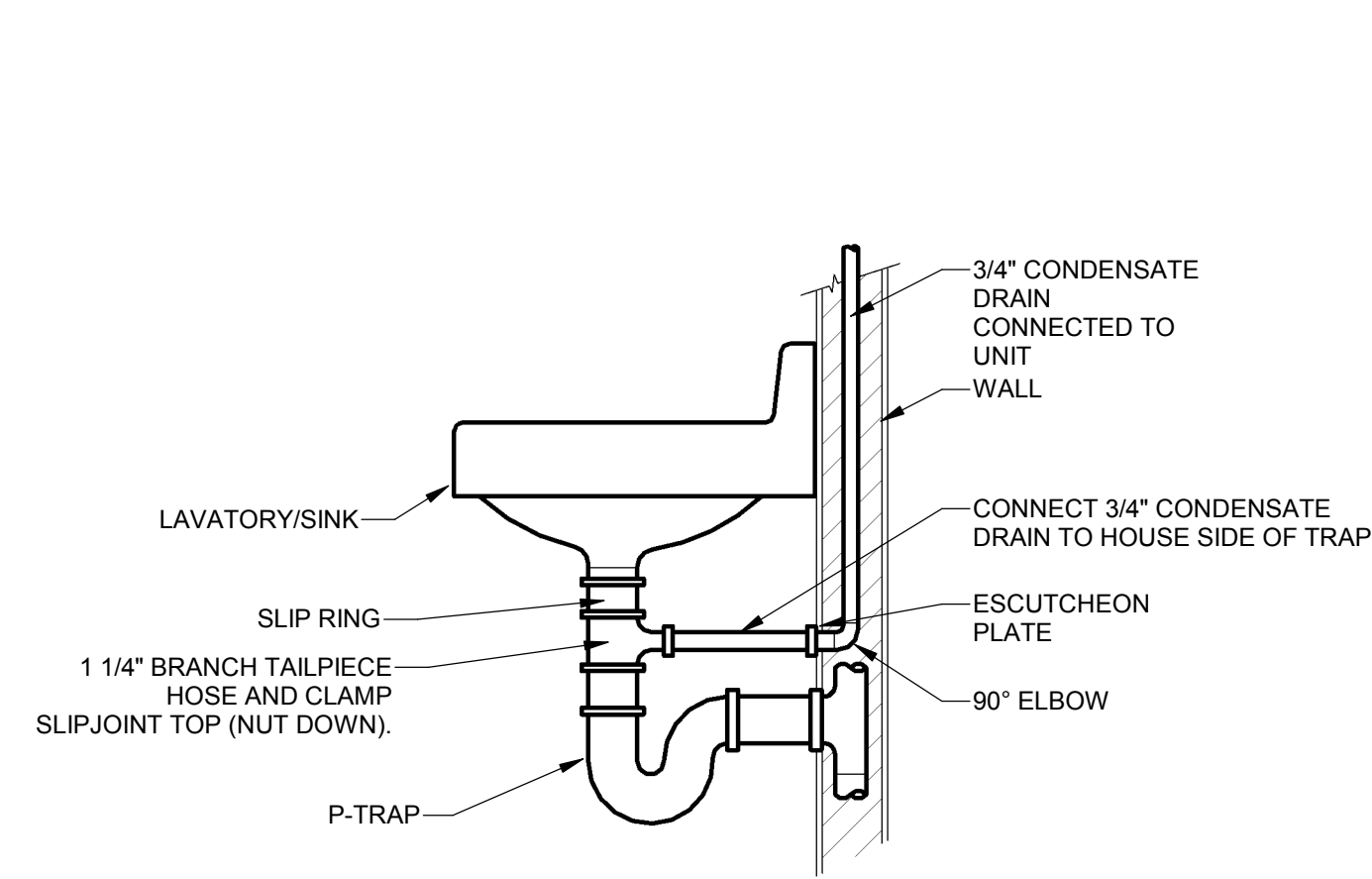
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 JOB NUMBER: 17-06

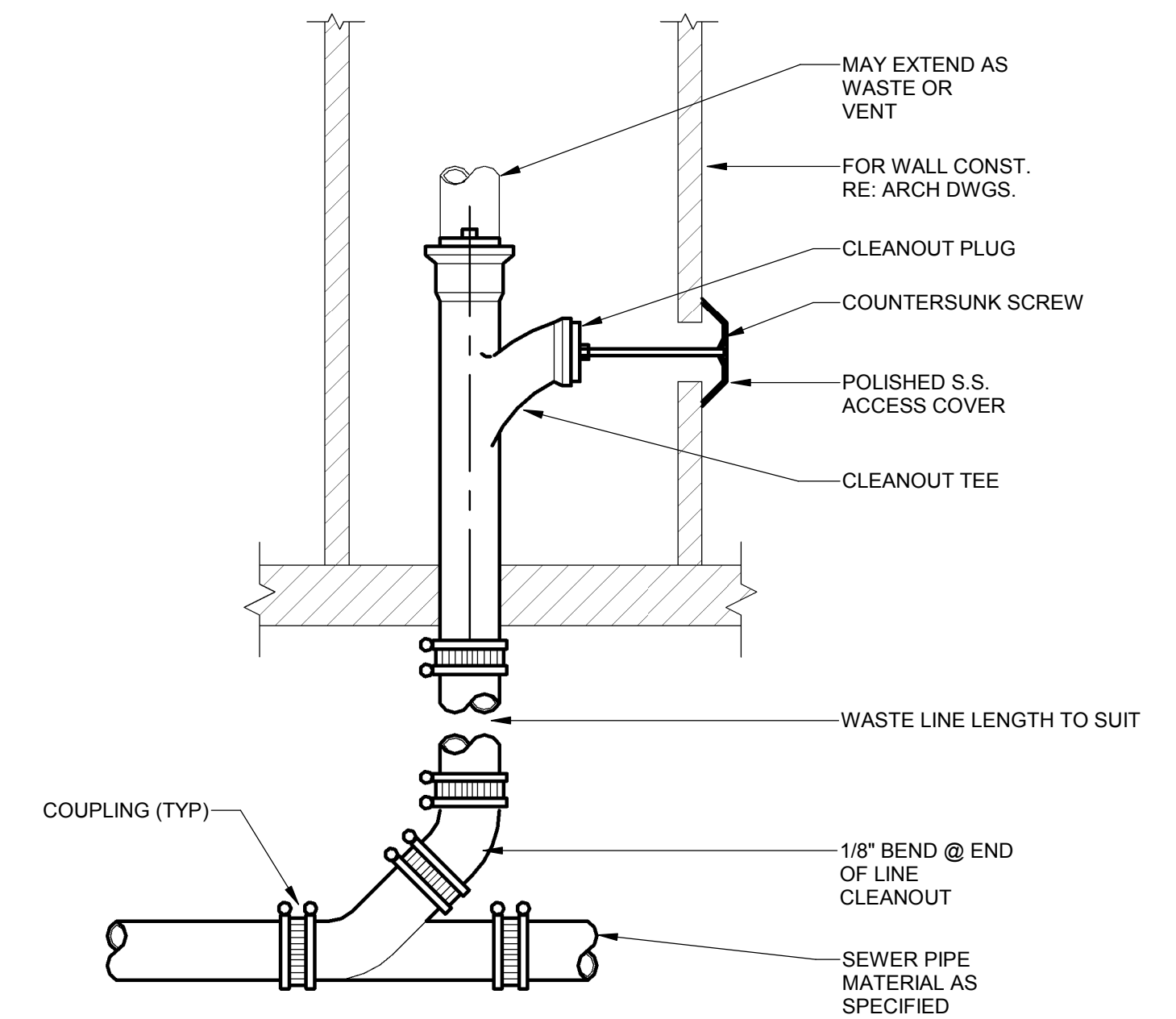
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**P0.3**  
 PLUMBING SCHEDULES



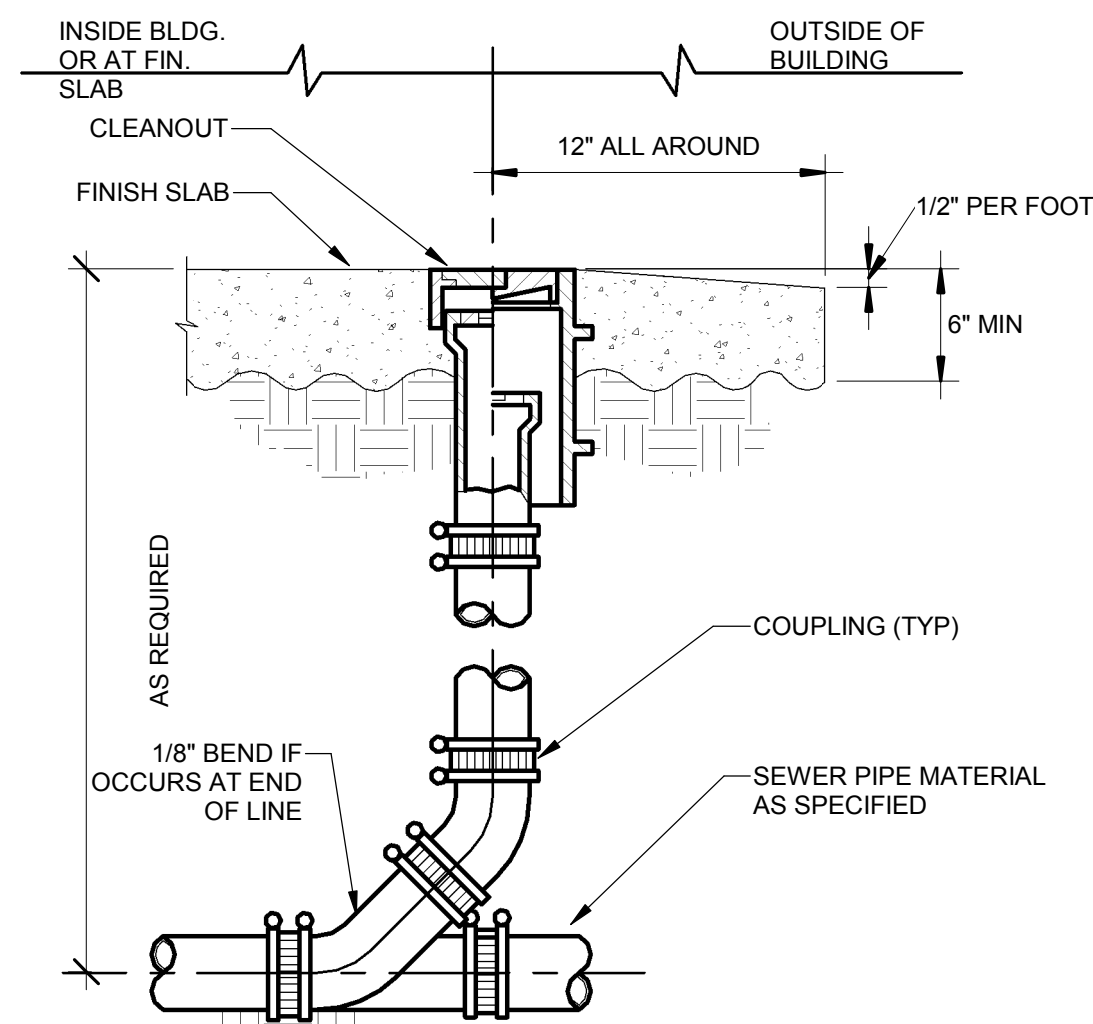
**1 CONDENSATE DRAIN (BLOW THROUGH)**  
P0.5 NTS



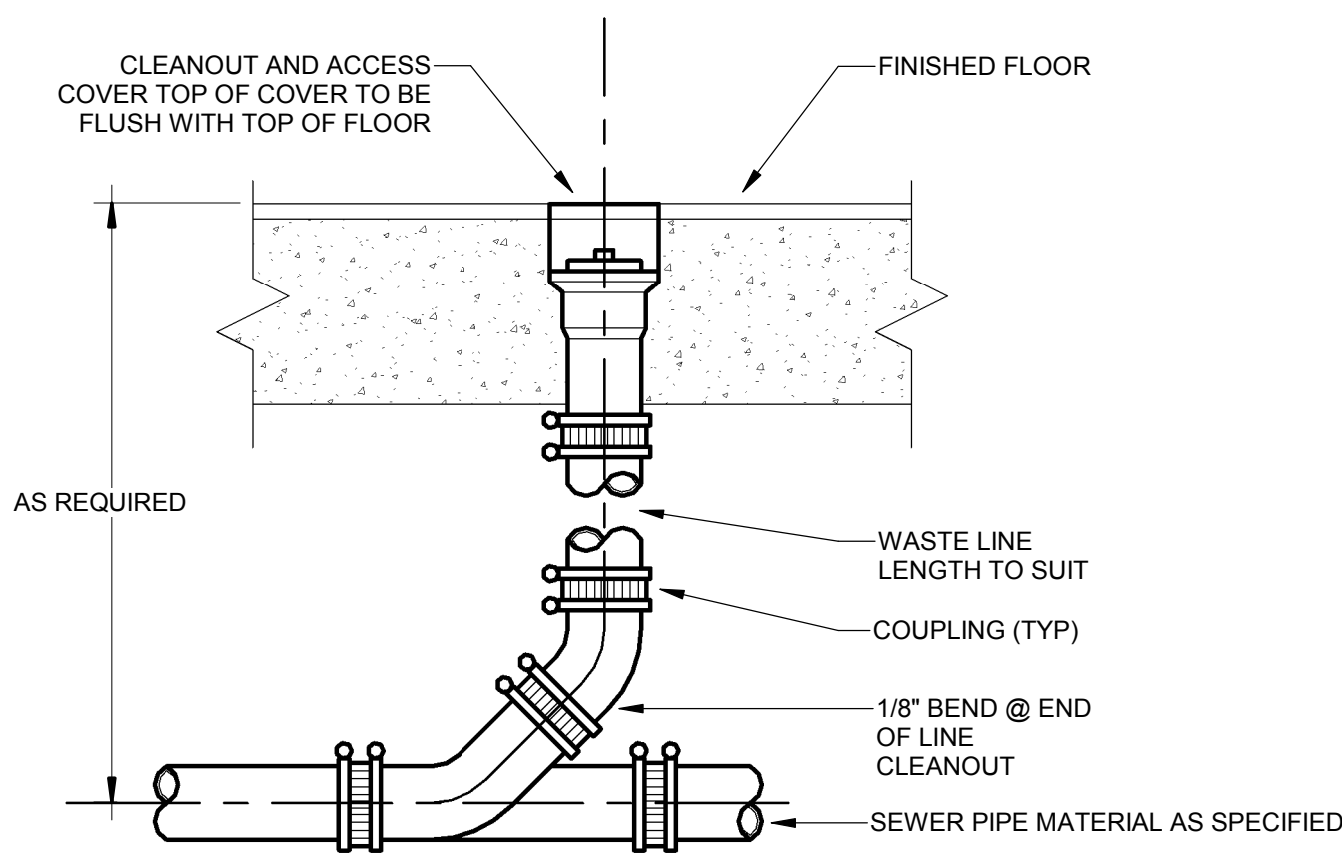
**2 CONDENSATE DRAIN TO P-TRAP**  
P0.5 NTS



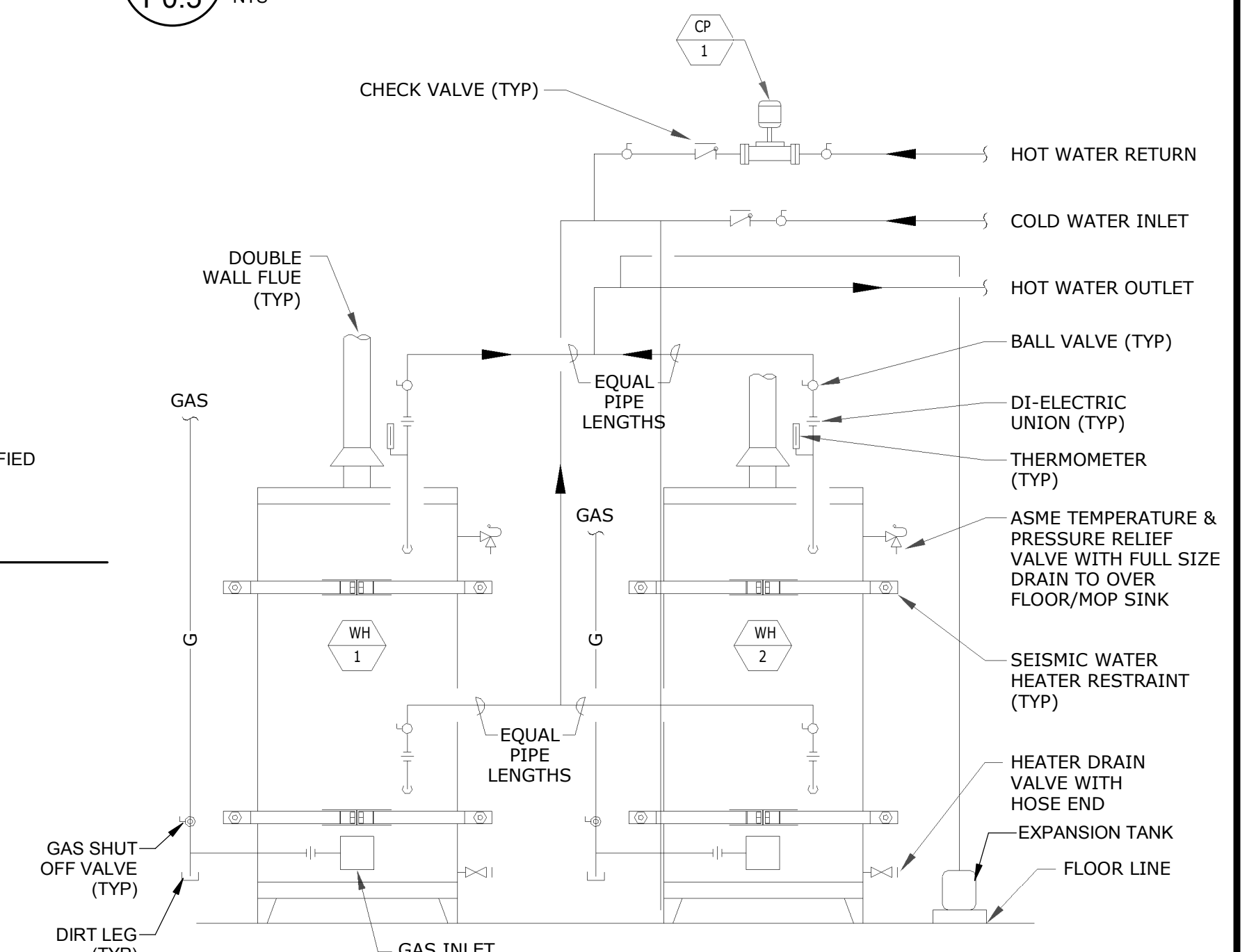
**3 WALL CLEANOUT**  
P0.5 NTS



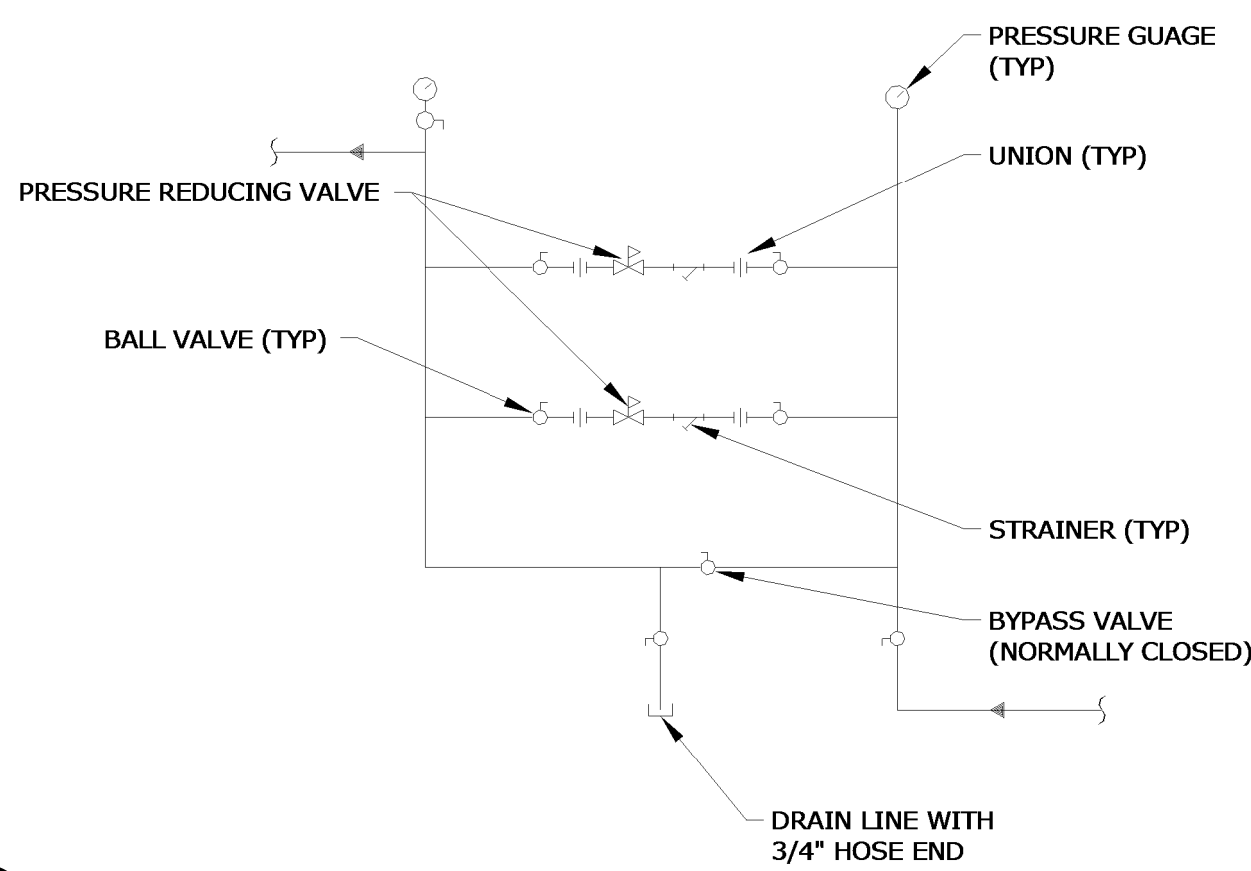
**4 CLEANOUT TO GRADE**  
P0.5 NTS



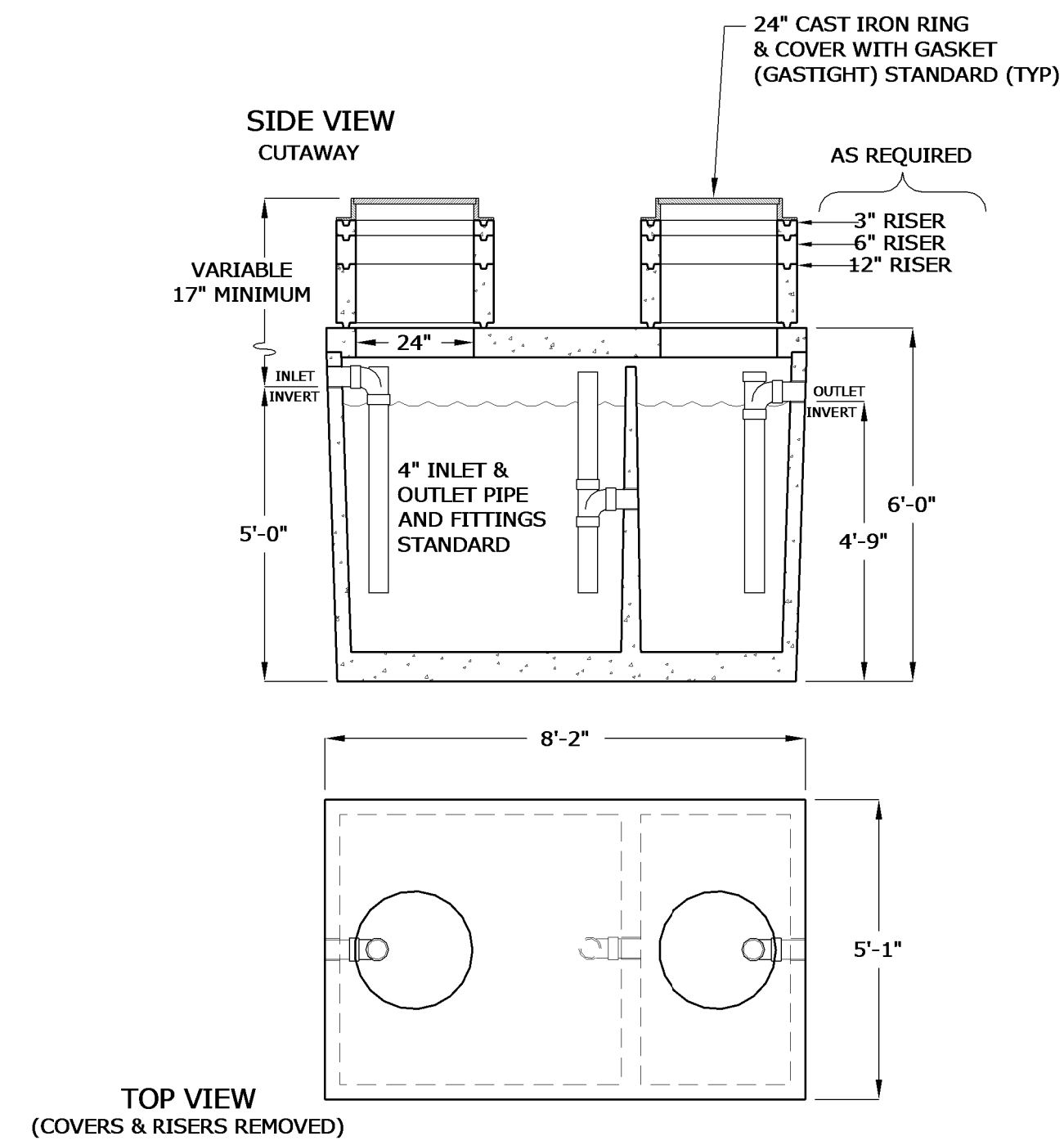
**5 FLOOR CLEANOUT**  
P0.5 NTS



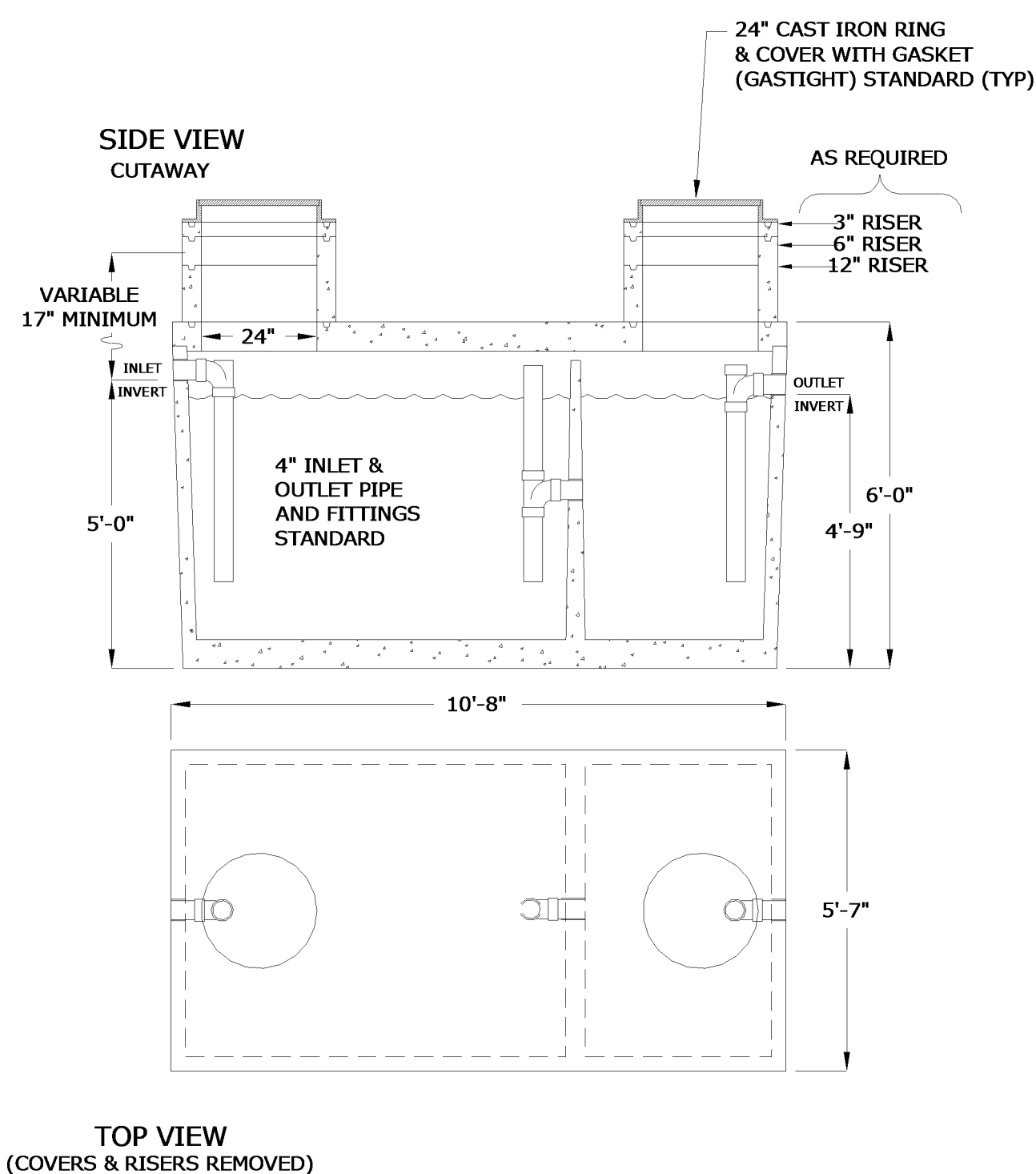
**6 WATER HEATER DIAGRAM**  
P0.5 NTS



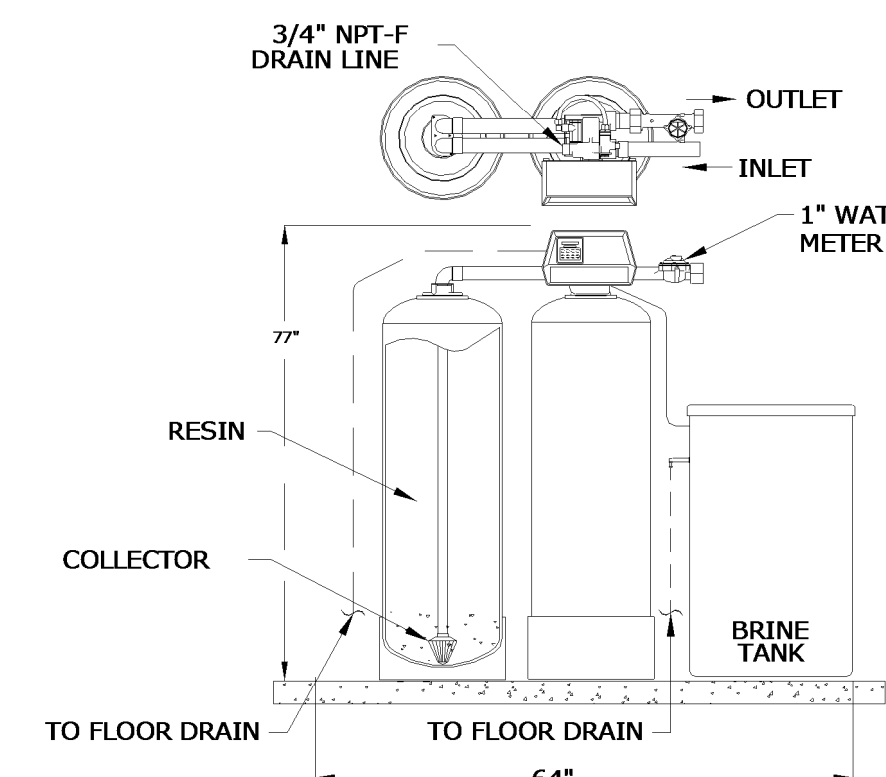
**10 PRESSURE REDUCING STATION**  
P0.5 NTS



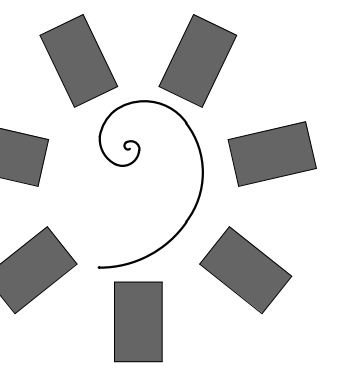
**9 GREASE INTERCEPTOR 1000GAL**  
P0.5 NTS



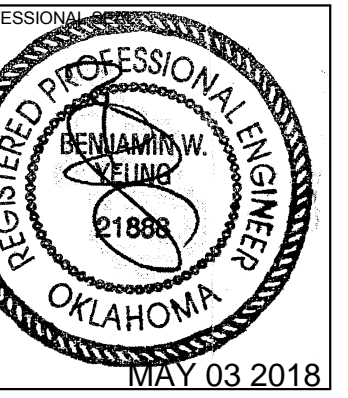
**8 GREASE INTERCEPTOR 1500GAL**  
P0.5 NTS



**7 WATER SOFTNER DIAGRAM**  
P0.5 NTS



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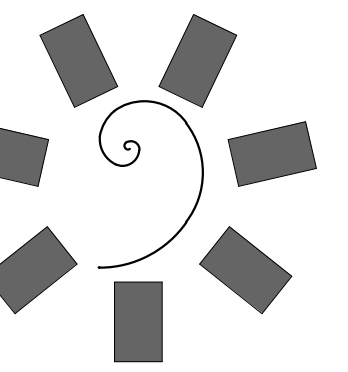
PROJECT PHASE  
BID PACKAGE 05

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#	DESCRIPTION

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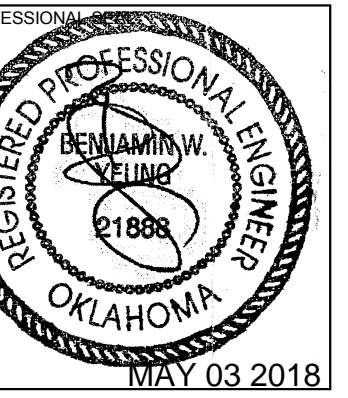
PLUMBING DIAGRAMS



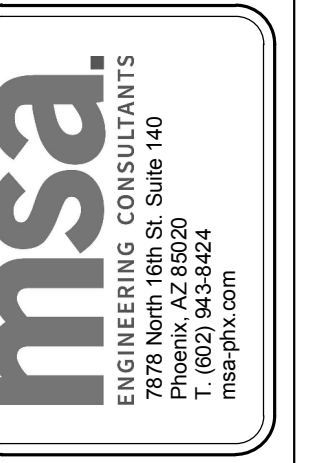


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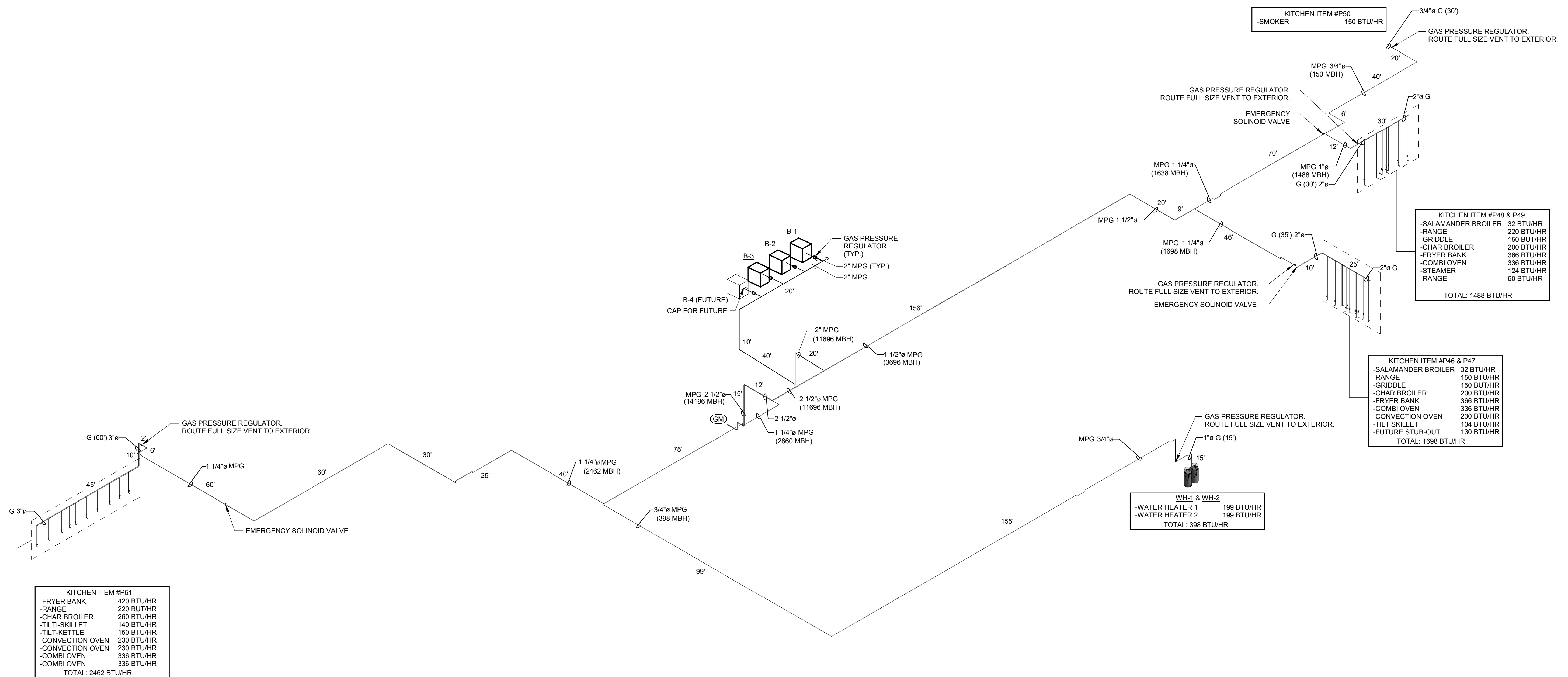
REVISIONS	
#	DESCRIPTION

DATE: 05/03/18 JOB NUMBER: 17-06

SHEET NUMBER:

**P0.6**

GAS ISOMETRIC  
DIAGRAM

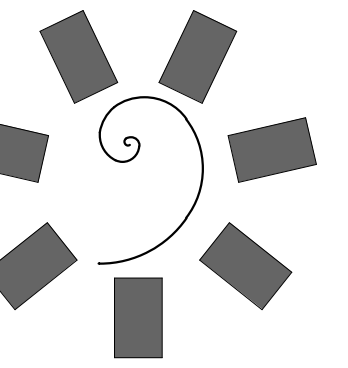


TOTAL DEVELOPED LENGTH = 450 FT  
5 PSI MEDIUM PRESSURE GAS PIPING.  
TOTAL CONNECTED LOAD = 14196 MBH  
5 PSI MEDIUM PRESSURE GAS PIPING  
SIZED BASED ON TABLE 402.4(7) OF  
2012 IFCC, 450 FT

PROVIDE DIRT LEG FOR EACH  
APPLIANCE CONNECTION.  
IN MANY CASES THE APPLIANCE MAY  
HAVE A SMALLER CONNECTION THAN  
THE PIPE SIZE SHOWN, PROVIDE A  
REDUCER AT THE APPLIANCE NOT  
THE PIPE DROP.  
IN MANY CASES THE APPLIANCE MAY  
HAVE A SEPARATE APPLIANCE REG  
TO BE INSTALLED BY THE  
CONTRACTOR.

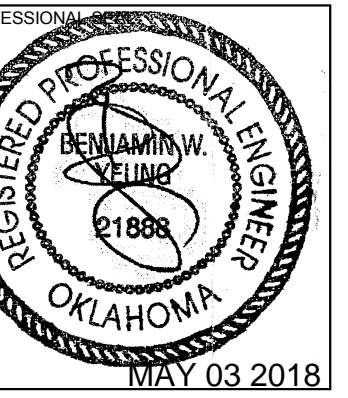






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DATE: 05/03/18 JOB NUMBER: 17-06

SHEET NUMBER: P1.01

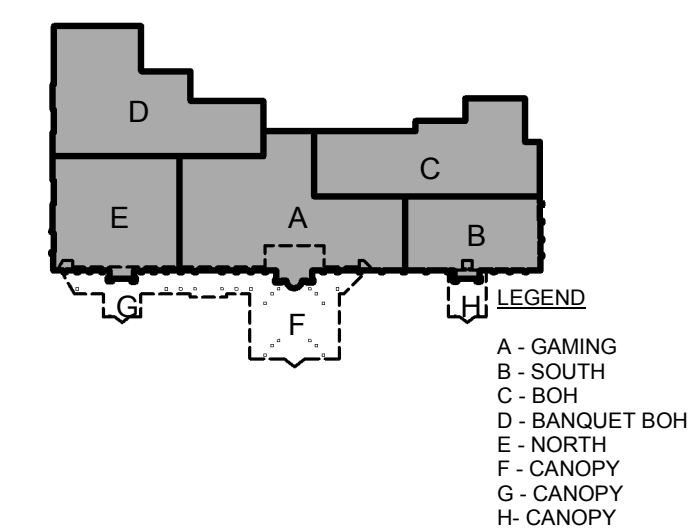
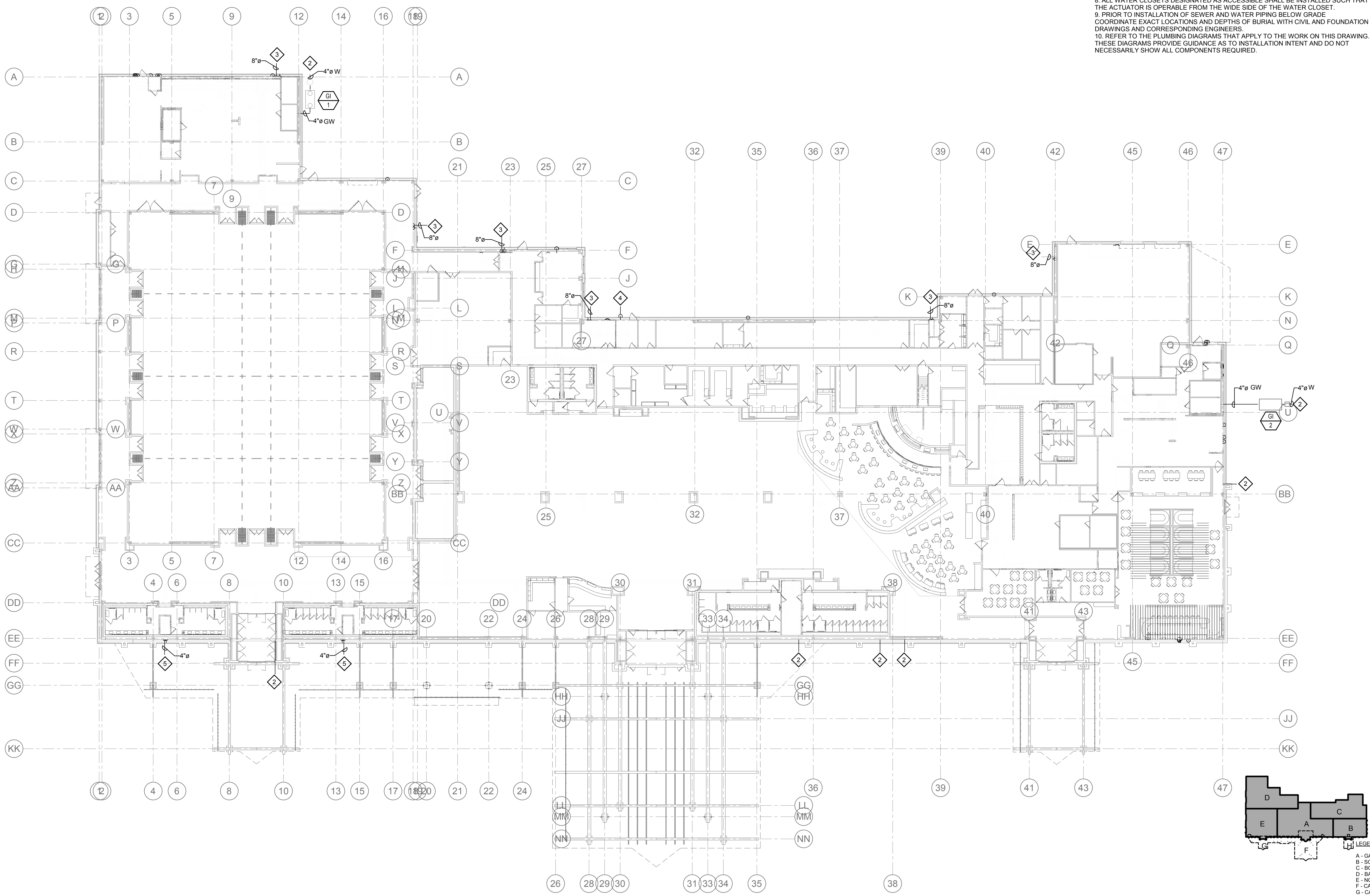
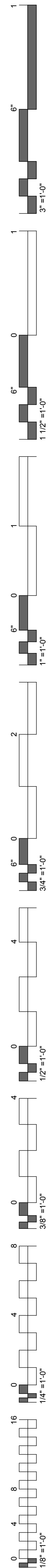
PLUMBING SITE PLAN

**SHEET NOTES:**

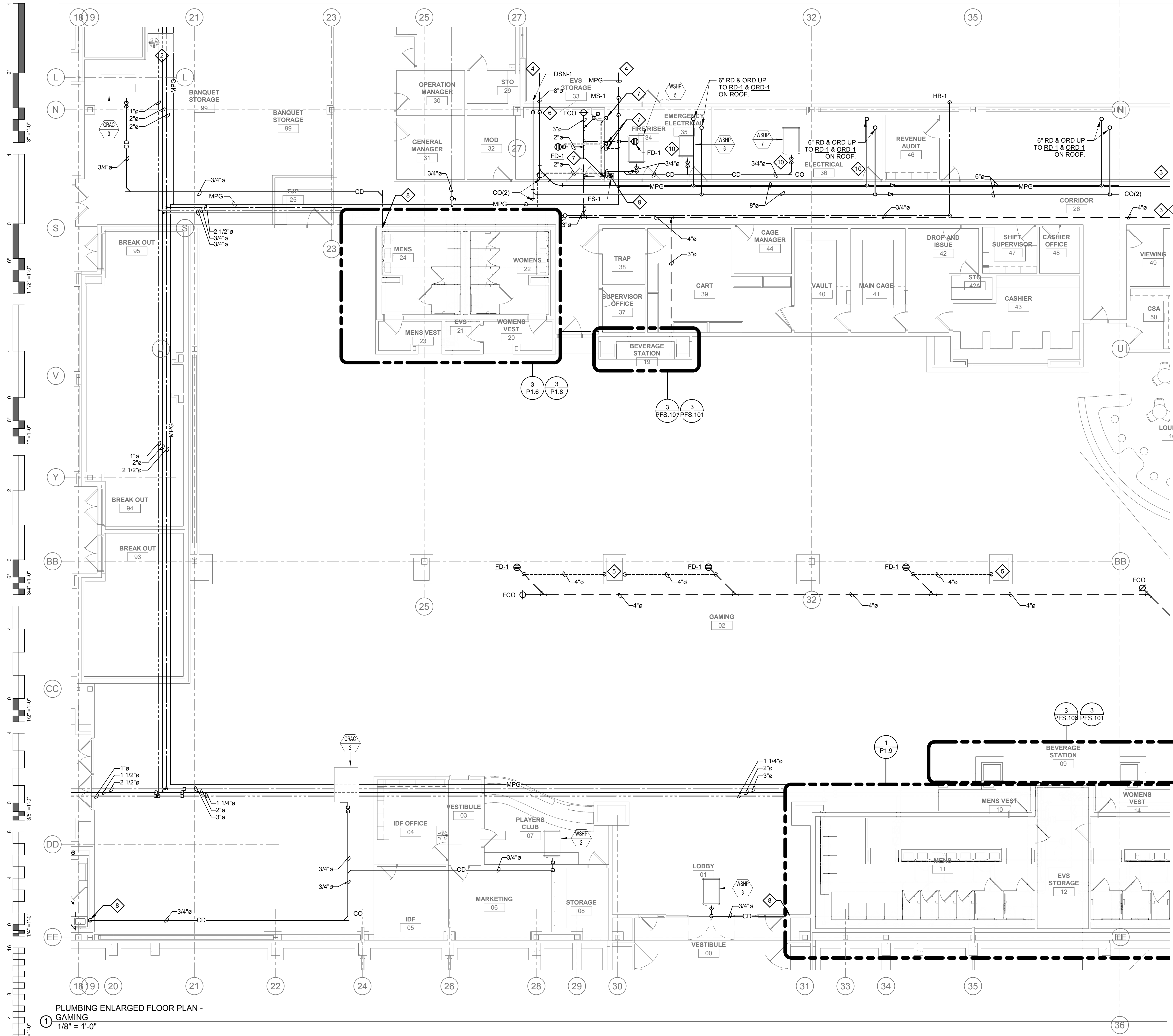
1. 4" DCW SERVICE TO BUILDING. REFER TO CIVIL UTILITY PLANS FOR CONTINUATION.
2. 4" BUILDING WASTE WASTE LINE. REFER TO CIVIL UTILITY PLANS FOR CONTINUATION.
3. 8" STORM DRAIN. REFER TO CIVIL UTILITY PLANS FOR CONTINUATION.
4. 2" MPG. REFER TO CIVIL PLANS CONTINUATION.
5. 4" STORM DRAIN. REFER TO CIVIL UTILITY PLANS FOR CONTINUATION.

**GENERAL NOTES:**

1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
9. PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE, COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.



1 Level 1 - Plumbing Site Plan  
3/64" = 1'-0"



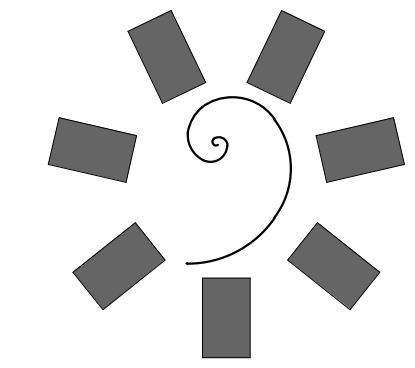
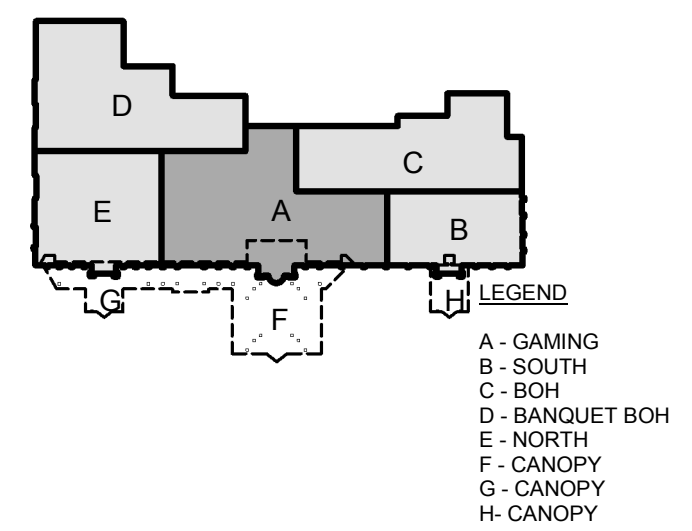
**GENERAL NOTES:**

1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
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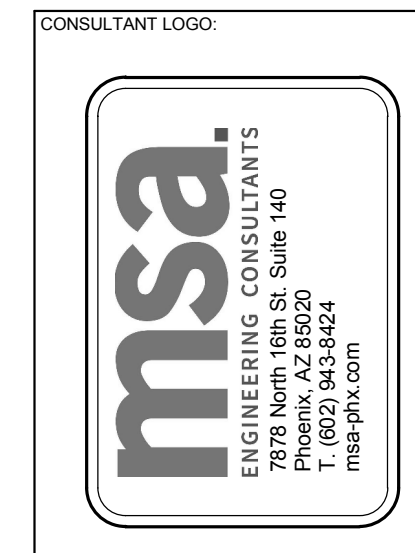
**SHEET NOTES:**

1. REFER TO SHEET P1.5 FOR CONTINUATION.
2. REFER TO SHEET P1.4 FOR CONTINUATION.
3. REFER TO SHEET P1.2 FOR CONTINUATION.
4. REFER TO PLUMBING SITE PLAN AND CIVIL PLANS FOR CONTINUATION.
5. 4" VENT UP TO 4" VTR ON ROOF.
6. 8" RD & ORD DN IN CHASE.
7. 2" VENT UP IN WALL.
8. ROUTE 3/4" CONDENSATE DRAIN DN WALL TO ADJACENT LAVATORY TAILPIECE. PROVIDE WITH CONDENSATE PUMP WHERE REQUIRED.
9. ROUTE 3/4" CONDENSATE DRAIN DN WALL TO ADJACENT FLOOR SINK. PROVIDE WITH CONDENSATE PUMP WHERE REQUIRED.
10. PROVIDE PIPING IN ELECTRICAL ROOMS WITH FULL LENGTH DRIP PANS BELOW PIPING.

PLUMBING ENLARGED FLOOR PLAN - GAMING  
1/8" = 1'-0"



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PROJECT PHASE  
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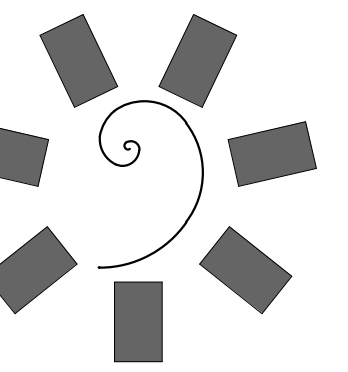
#	DATE	REVISIONS DESCRIPTION

DATE: 05/03/18  
JOB NUMBER: 17-06

SHEET NUMBER:  
**P1.1**

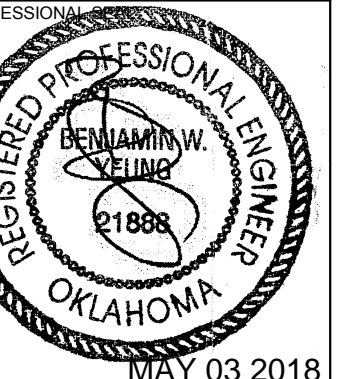
PLUMBING ENLARGED FLOOR PLAN - GAMING



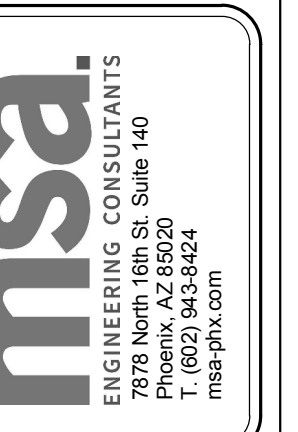


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JOB NUMBER: 17-06

SHEET NUMBER:  
P1.2

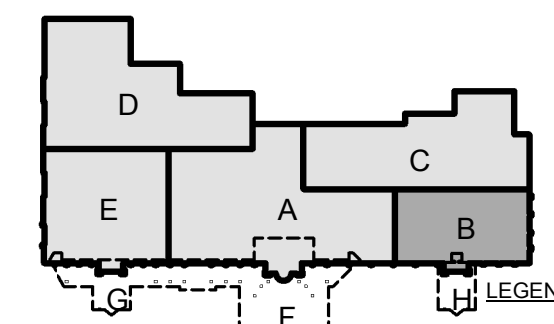
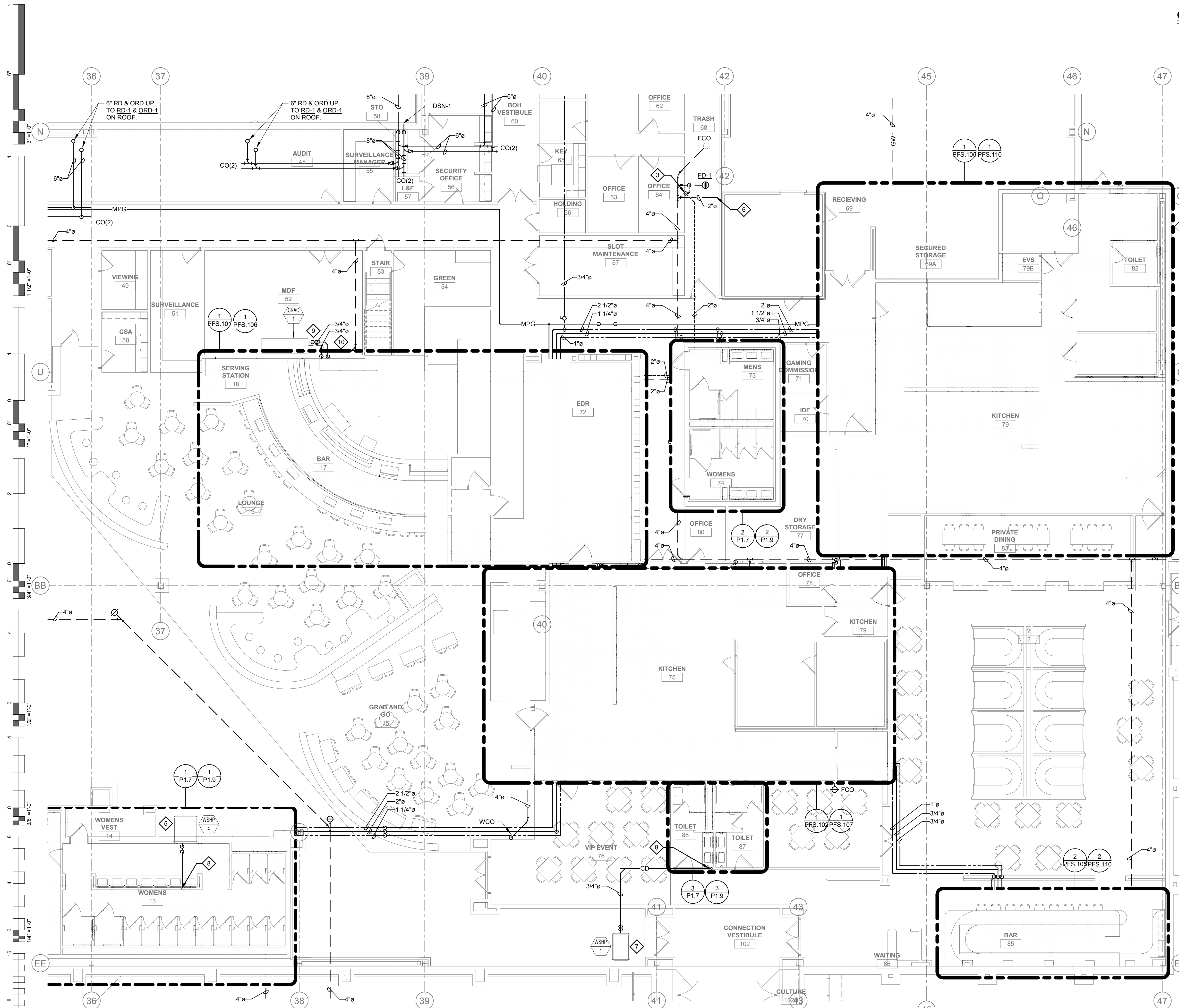
PLUMBING ENLARGED FLOOR PLAN - SOUTH

GENERAL NOTES:

- ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
- THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
- SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
- PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
- ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
- ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
- PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
- REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

SHEET NOTES:

- REFER TO SHEET P1.1 FOR CONTINUATION.
- REFER TO SHEET PFS.104 FOR CONTINUATION.
- 2" VENT UP.
- REFER TO PLUMBING SITE PLAN AND CIVIL PLANS FOR CONTINUATION.
- REFER TO SHEET P1.3 FOR CONTINUATION.
- REFER TO SHEET PFS.104 FOR CONTINUATION.
- MECHANICAL EQUIPMENT SHOWN FOR REFERENCE. ROUTE 3/4" CONDENSATE DRAIN DN WALL TO ADJACENT LAVATORY TAILPIECE. PROVIDE WITH CONDENSATE PUMP WHERE REQUIRED.
- 3/4" MAKEUP WATER ROUTED TO GRAC UNIT. PROVIDE WITH FULL SIZE BACKFLOW PREVENTER, DISCHARGE TO ADJACENT FLOOR DRAIN.
- ROUTE 3/4" CONDENSATE DRAIN DN WALL TO ADJACENT FLOOR SINK. PROVIDE WITH CONDENSATE PUMP WHERE REQUIRED.



LEGEND  
 A - GAMING  
 B - SOUTH  
 C - BOH  
 D - BANQUET BOH  
 E - NORTH  
 F - CANOPY  
 G - CANOPY  
 H - CANOPY

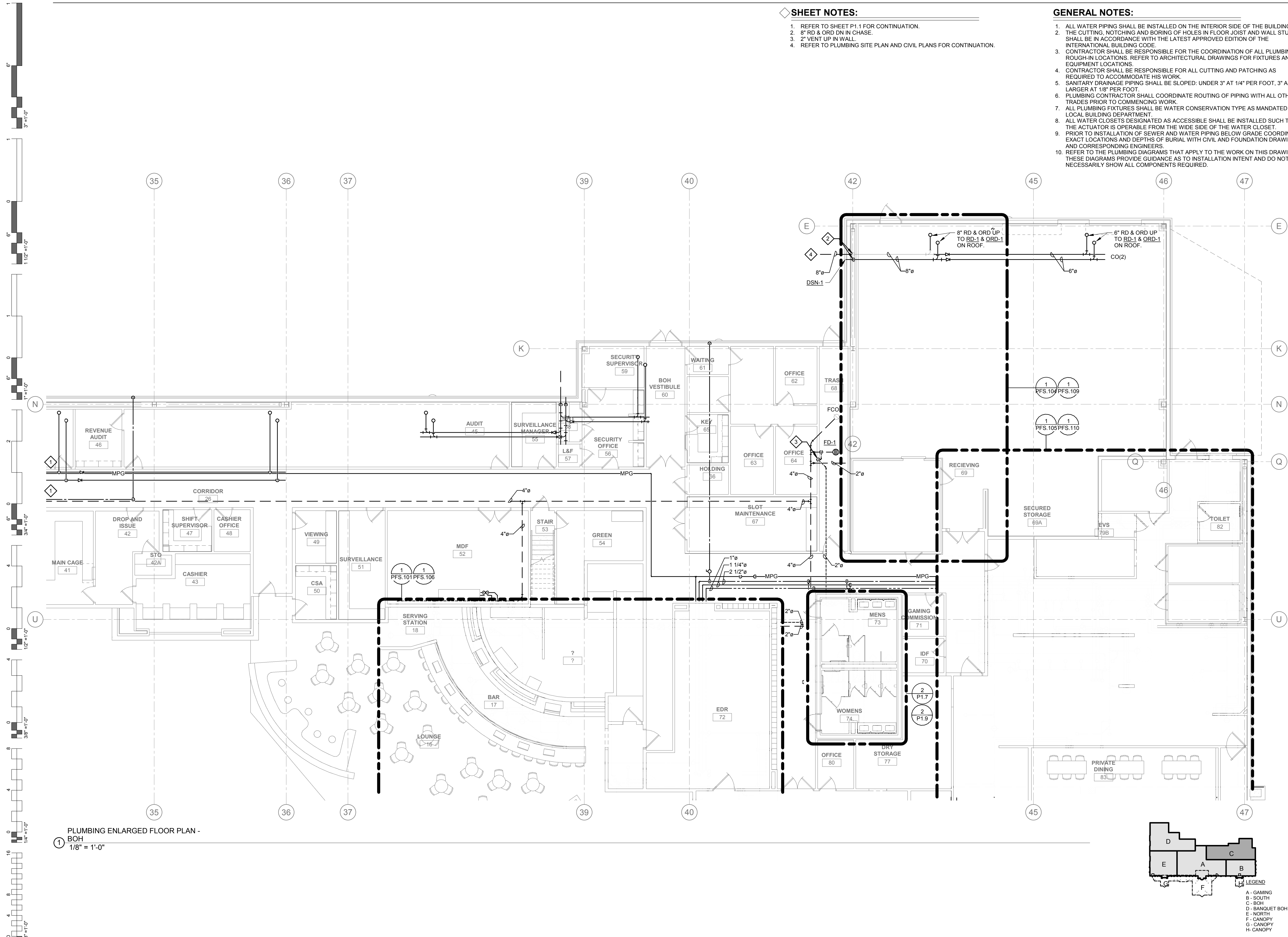
PLUMBING ENLARGED FLOOR PLAN - SOUTH  
 1/8" = 1'-0"

**SHEET NOTES:**

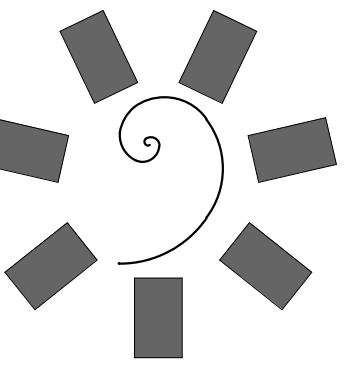
1. REFER TO SHEET P11 FOR CONTINUATION.
2. 8" RD & ORD DN IN CHASE.
3. 2" VENT UP IN WALL.
4. REFER TO PLUMBING SITE PLAN AND CIVIL PLANS FOR CONTINUATION.

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PLUMBING ENLARGED FLOOR PLAN - BOH  
1/8" = 1'-0"



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TAHLEQUAH, OKLAHOMA

PROJECT PHASE:  
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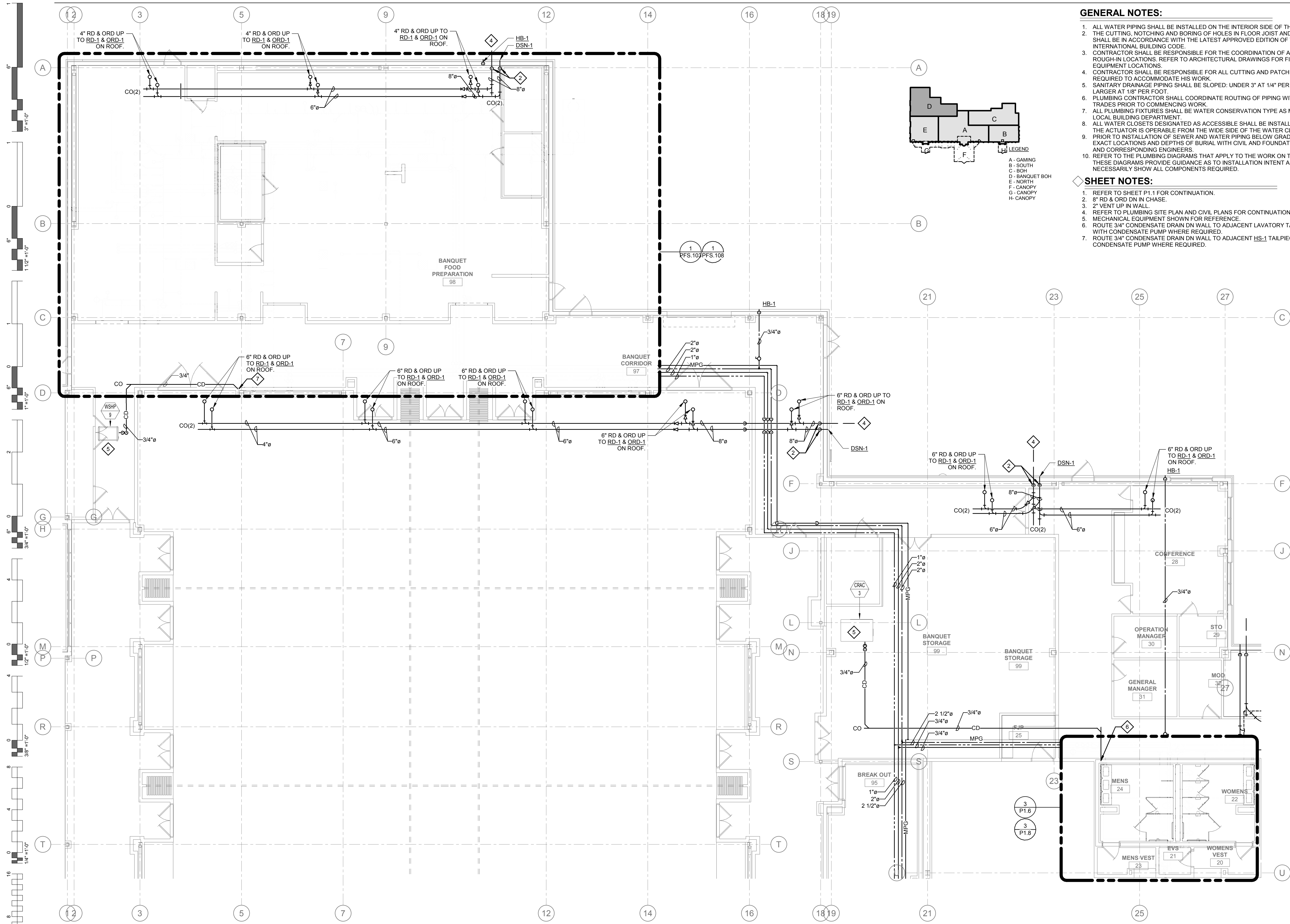
REVISIONS	
#	DESCRIPTION

DATE: 05/03/18  
JOB NUMBER: 17-06

SHEET NUMBER:  
**P1.3**

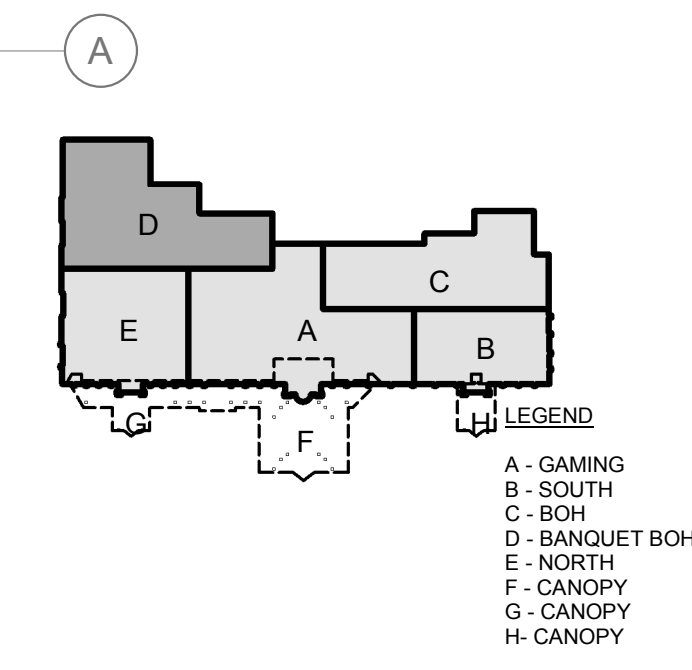
PLUMBING ENLARGED FLOOR PLAN - BOH



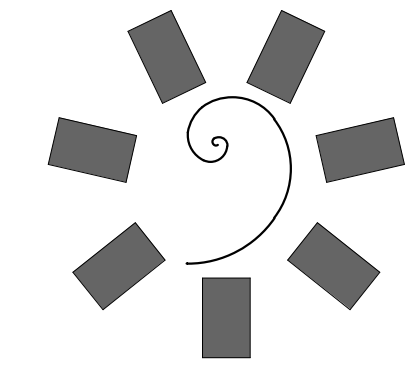


- GENERAL NOTES:**
1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
  2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
  4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
  5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
  6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
  7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
  8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
  9. PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
  10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

- SHEET NOTES:**
1. REFER TO SHEET P1.1 FOR CONTINUATION.
  2. 8" RD & ORD DN IN CHASE.
  3. 2" VENT UP IN WALL.
  4. REFER TO PLUMBING SITE PLAN AND CIVIL PLANS FOR CONTINUATION.
  5. MECHANICAL EQUIPMENT SHOWN FOR REFERENCE.
  6. ROUTE 3/4" CONDENSATE DRAIN DN WALL TO ADJACENT LAVATORY TAILPIECE. PROVIDE WITH CONDENSATE PUMP WHERE REQUIRED.
  7. ROUTE 3/4" CONDENSATE DRAIN DN WALL TO ADJACENT HS-1 TAILPIECE. PROVIDE WITH CONDENSATE PUMP WHERE REQUIRED.



PLUMBING ENLARGED FLOOR PLAN - BANQUET BOH  
 1/8" = 1'-0"



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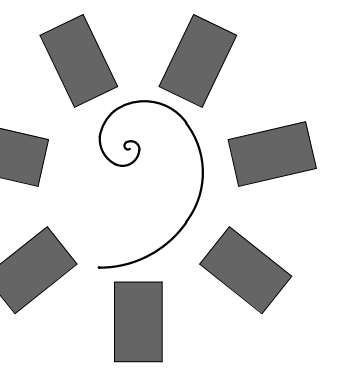
CHEROKEE NATION ENTERTAINMENT  
 TAHLEQUAH CASINO  
 TAHLEQUAH, OKLAHOMA

PROJECT PHASE:  
**BID PACKAGE 05**

REVISIONS	
#	DESCRIPTION

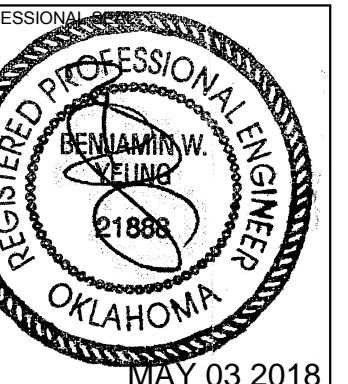
DATE: 05/03/18  
 JOB NUMBER: 17-06

SHEET NUMBER:  
**P1.4**  
 PLUMBING ENLARGED FLOOR PLAN - BANQUET BOH

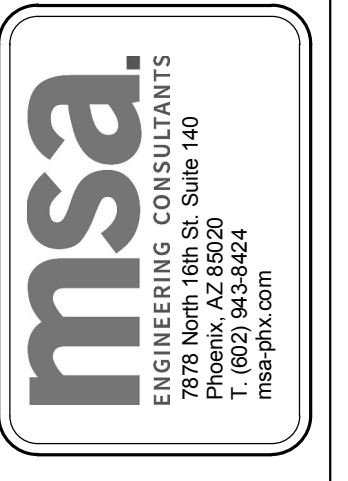


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CHEROKEE NATION  
Entertainment



CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:

BID PACKAGE 05

REVISIONS	
#	DESCRIPTION

DATE: 05/03/18 JOB NUMBER: 17-06

SHEET NUMBER: P1.5

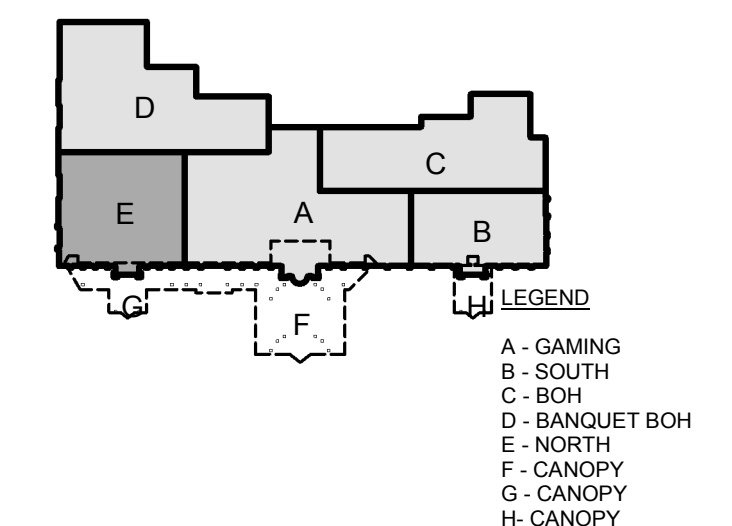
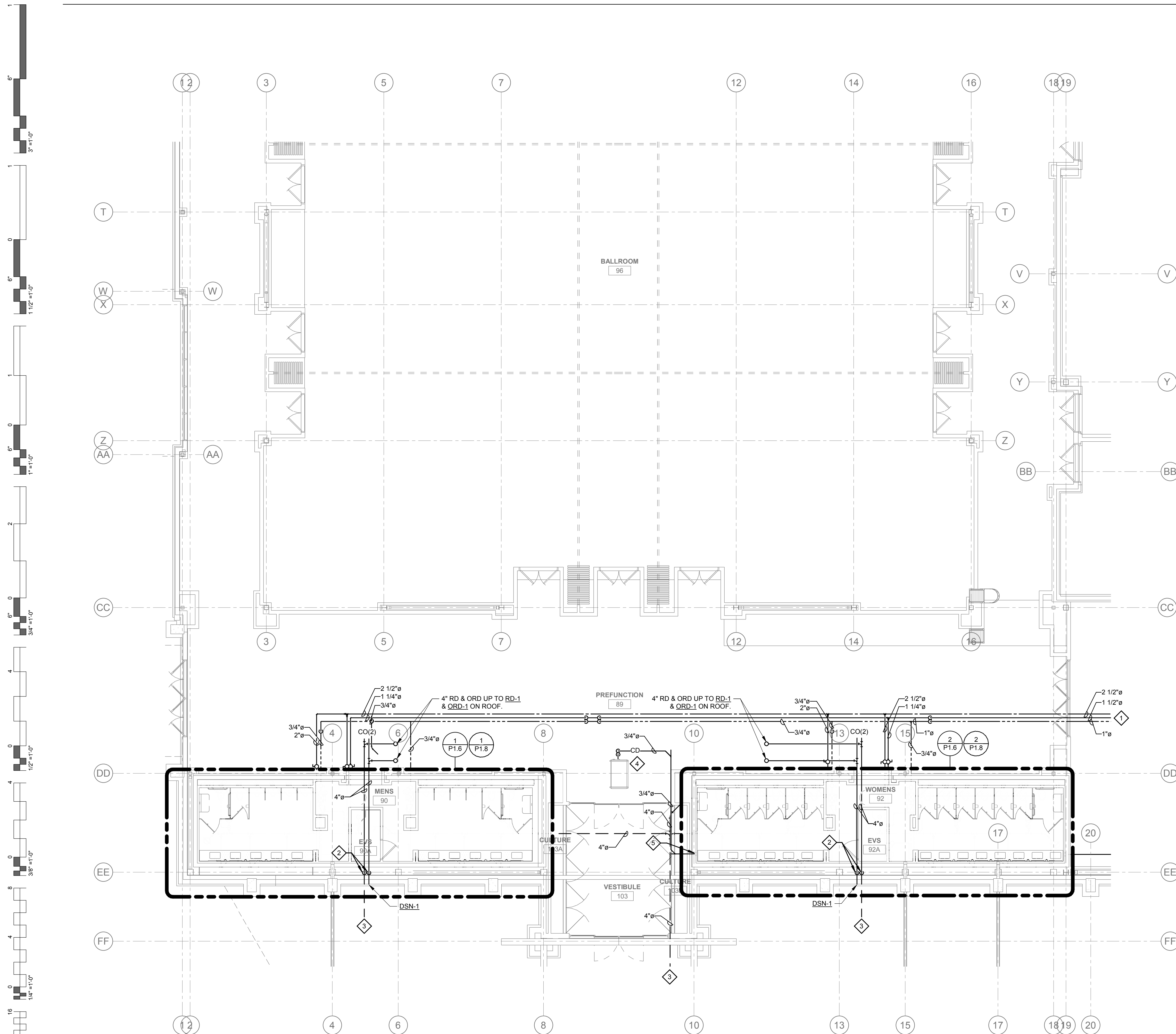
PLUMBING  
ENLARGED FLOOR  
PLAN - NORTH

**GENERAL NOTES:**

1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
9. PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

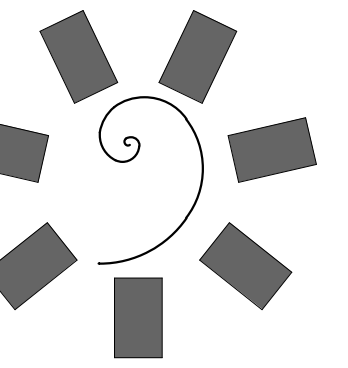
**SHEET NOTES:**

1. REFER TO SHEET P1.1 FOR CONTINUATION.
2. 4" RD & ORD DN IN CHASE.
3. REFER TO PLUMBING SITE PLAN AND CIVIL PLANS FOR CONTINUATION.
4. MECHANICAL EQUIPMENT SHOWN FOR REFERENCE.
5. ROUTE 3/4" CONDENSATE DRAIN DN WALL TO ADJACENT LAVATORY TAILPIECE. PROVIDE WITH CONDENSATE PUMP WHERE REQUIRED.



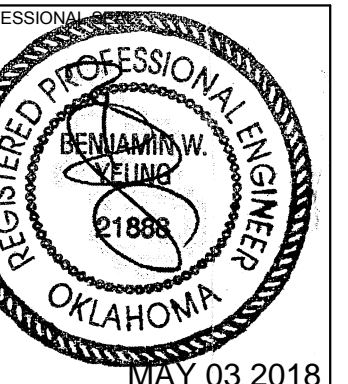
PLUMBING ENLARGED FLOOR PLAN - NORTH  
1/8" = 1'-0"



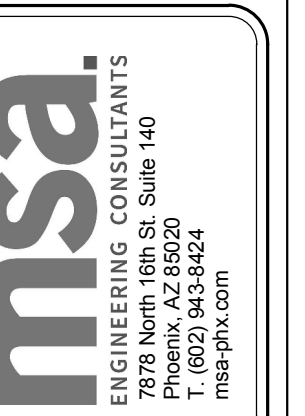


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CONSULTANT LOGO:



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TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:

BID PACKAGE 05

REVISIONS	
#	DESCRIPTION

DATE: 05/03/18  
JOB NUMBER: 17-06

SHEET NUMBER: P1.6

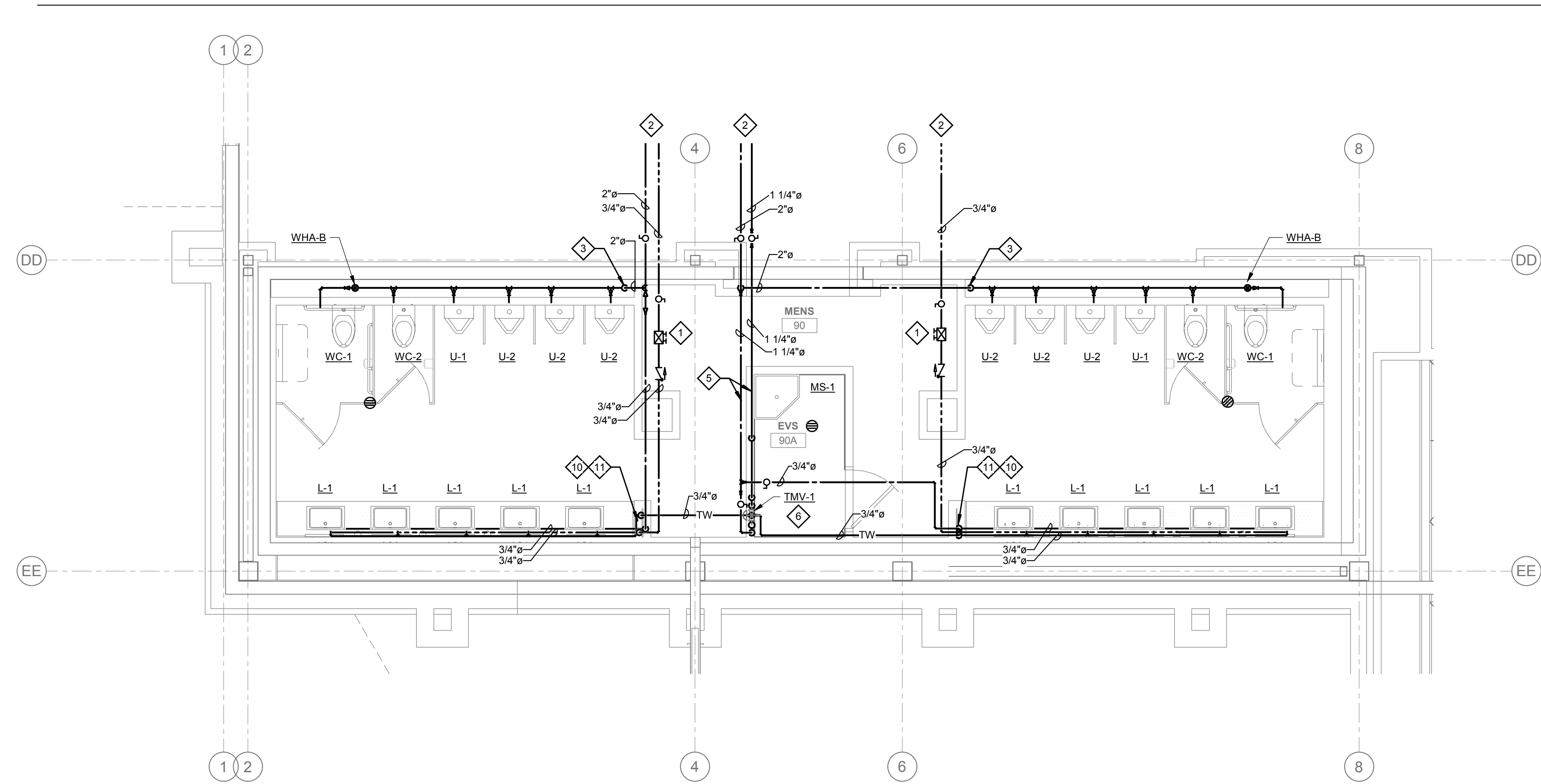
PLUMBING ENLARGED PLANS - WATER & GAS

GENERAL NOTES:

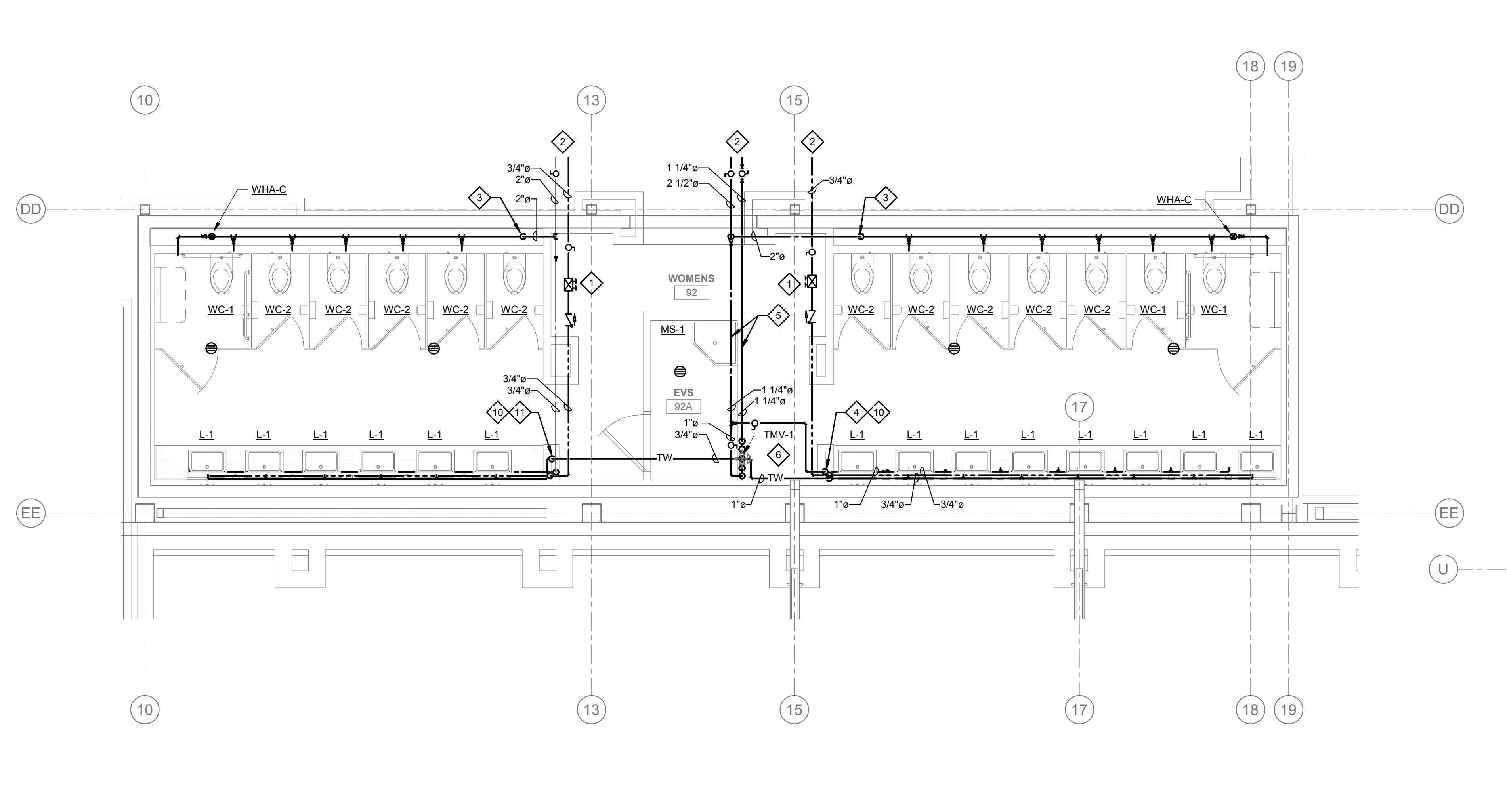
- ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
- THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
- SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
- PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
- ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
- ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
- PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
- REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

SHEET NOTES:

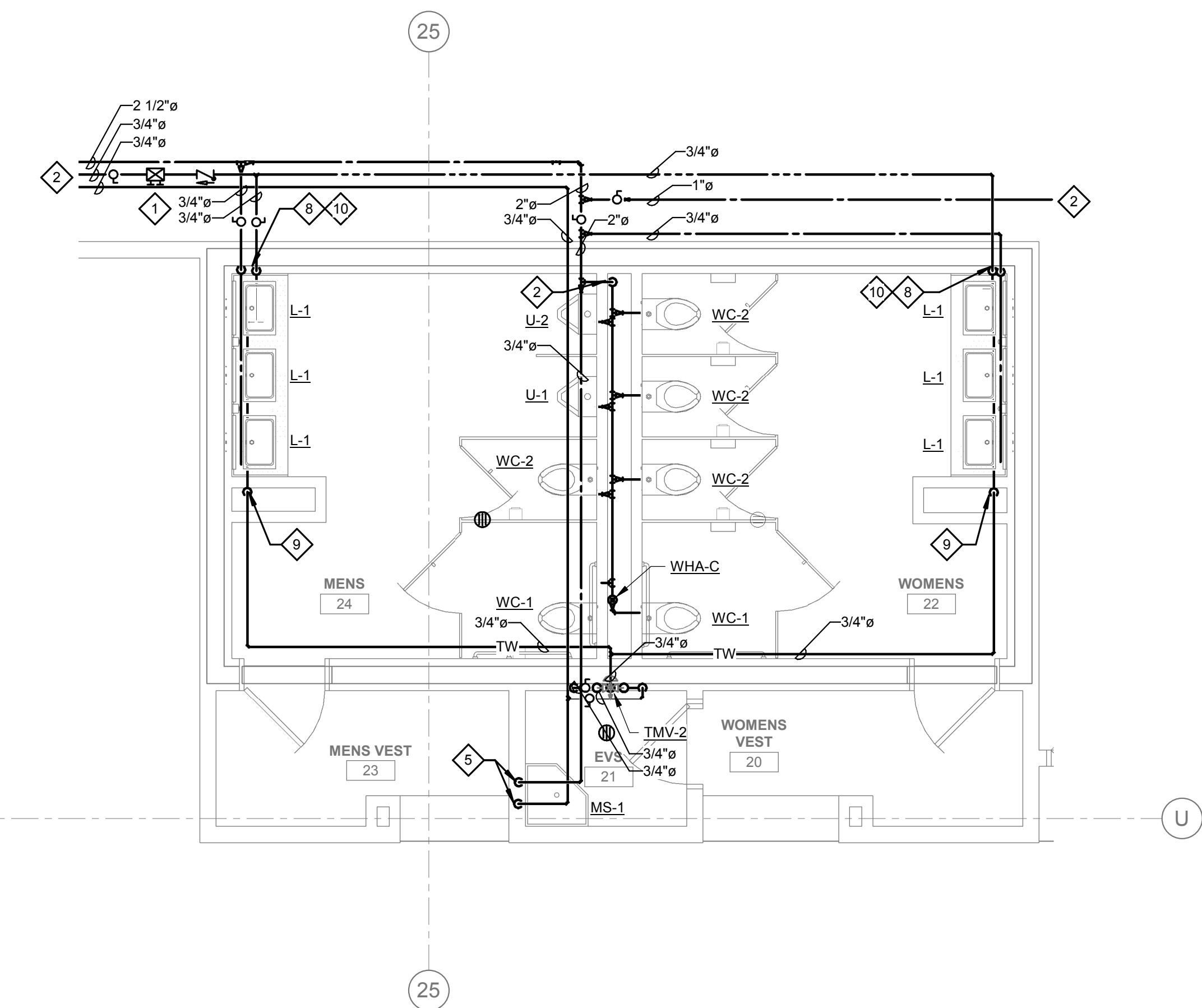
- PROVIDE LINE SIZE BALANCING VALVE INCLUDING CHECK VALVE AND BALL VALVE. BALANCING VALVE SHALL BE B&G CIRCUIT SETTER MODEL RF-1/2S LF OR EQUIVALENT SET AT 1.0 GPM FLOW. PROVIDE WITH 12"x12" MIN. ACCESS PANEL WHERE REQUIRED.
- REFER TO ENLARGED PLUMBING PLANS FOR CONTINUATION.
- 2" CW DN IN CHASE SERVING URINALS & WATER CLOSETS.
- ROUTE 1" CW, 1" TW & 3/4" HWR DN IN CHASE SERVING LAVATORIES.
- 3/4" HW & 3/4" CW DN TO MS-1.
- ROUTE 1" HW & 1" CW DN TO TMV-1.
- ROUTE 3/4" HW & 3/4" CW DN TO TMV-2.
- ROUTE 3/4" CW & 3/4" HWR DN IN WALL TO BEHIND LAVATORIES.
- ROUTE 3/4" TW DN CHASE SERVING LAVATORIES.
- ROUTE 1/2" CW AND 1/2" TW TO TV UNDER EACH LAVATORY. TV SHALL BE SYMMONS MODEL 7-102 OR EQUIVALENT. SET TV DISCHARGE TO 105 DEG F.
- ROUTE 3/4" CW, 3/4" TW & 3/4" HWR DN IN CHASE SERVING LAVATORIES.



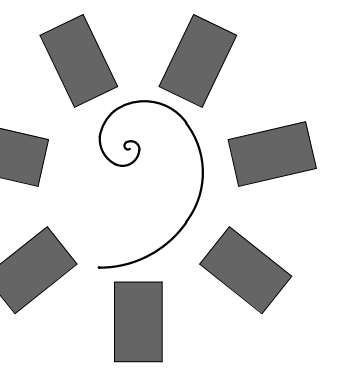
1 PLUMBING ENLARGED PLAN - WATER & GAS - BANQ MENS RR  
1/4" = 1'-0"



2 PLUMBING ENLARGED PLAN - WATER & GAS - BANQ WOMENS RR  
1/4" = 1'-0"

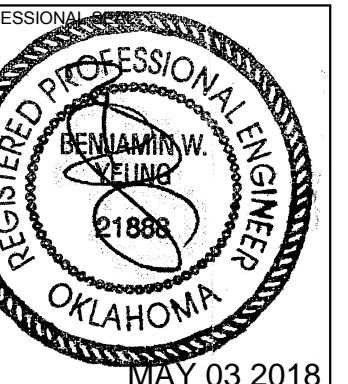


3 PLUMBING ENLARGED PLAN - WATER & GAS - HIGH LIMIT RR  
1/4" = 1'-0"

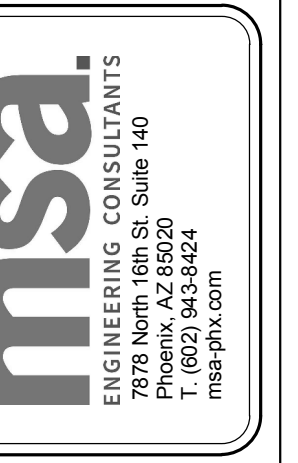


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TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:

BID PACKAGE 05

REVISIONS	
#	DESCRIPTION

DATE: 05/03/18  
JOB NUMBER: 17-06

SHEET NUMBER:

P1.7

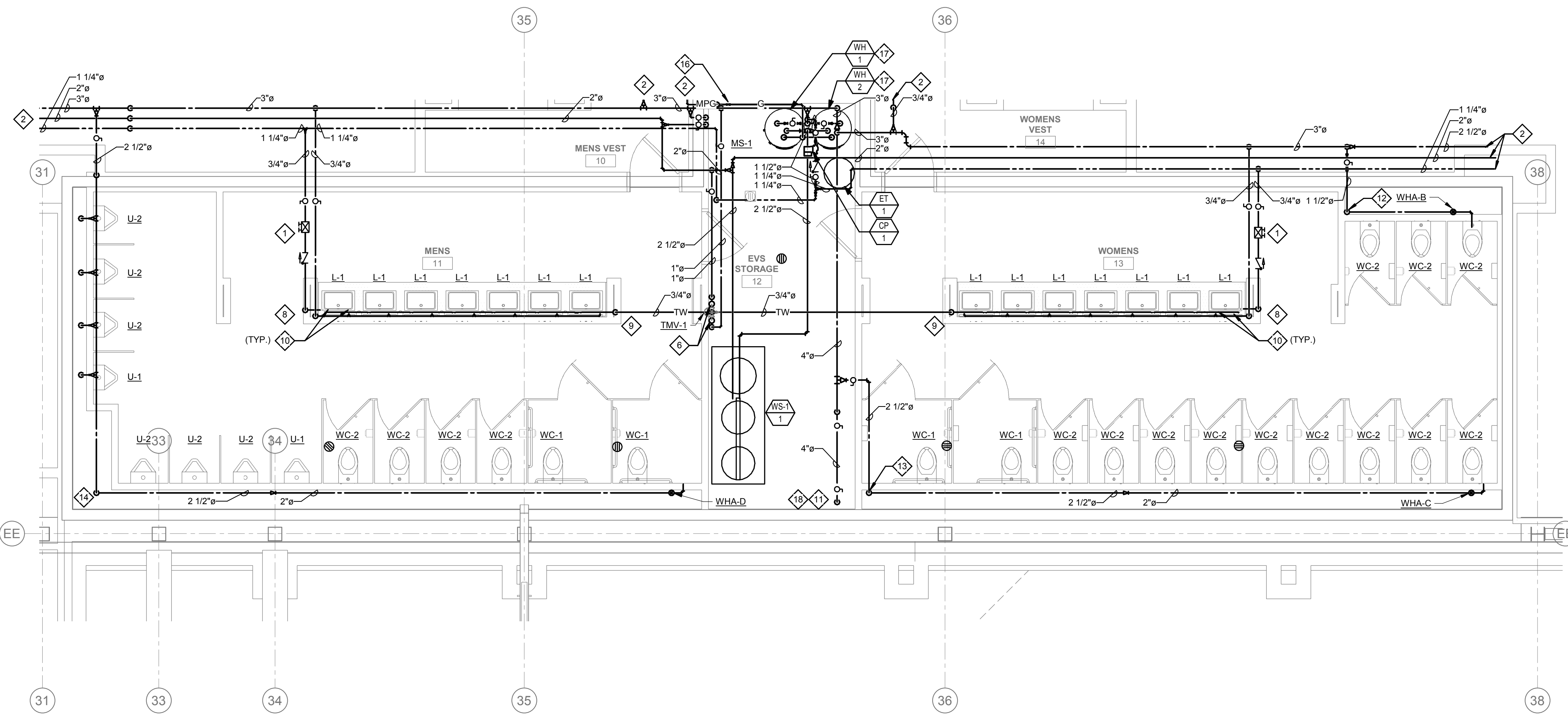
PLUMBING ENLARGED PLANS - WATER & GAS

GENERAL NOTES:

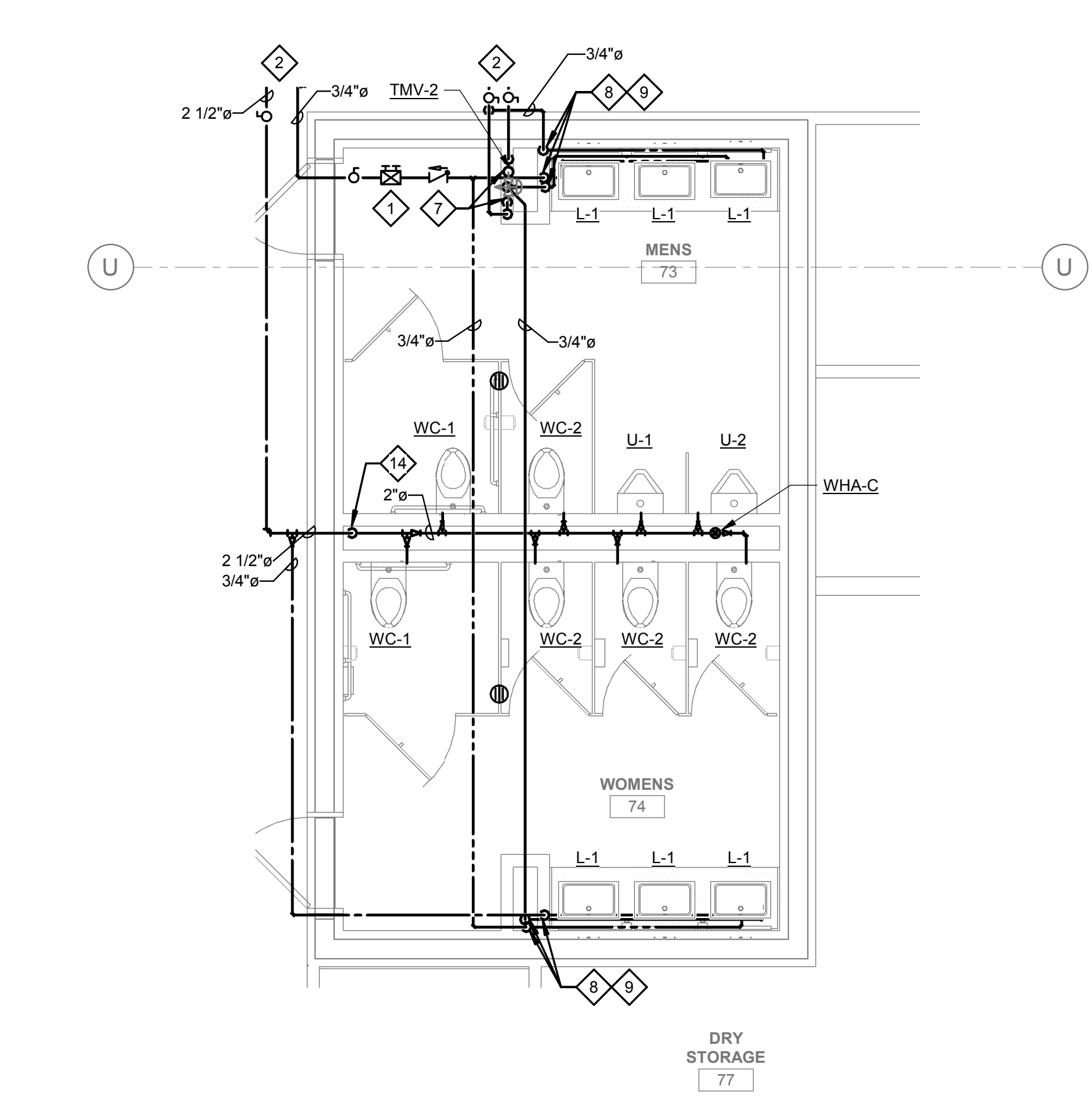
1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
9. PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

SHEET NOTES:

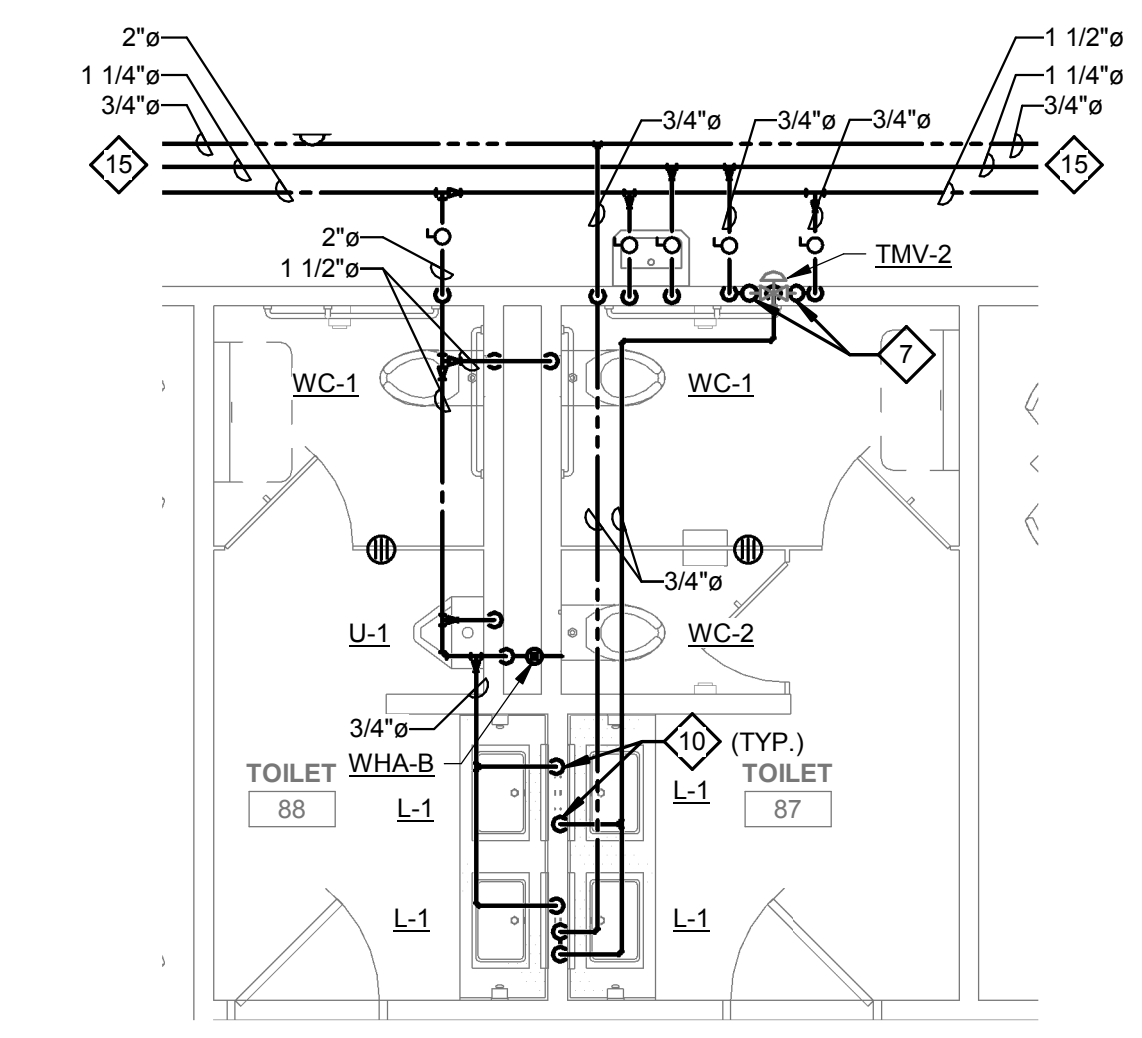
1. PROVIDE LINE SIZE BALANCING VALVE INCLUDING CHECK VALVE AND BALL VALVE. BALANCING VALVE SHALL BE B&G CIRCUIT SETTER MODEL RF-125 LF OR EQUIVALENT SET AT 1.0 GPM FLOW. PROVIDE WITH 12"x12" MIN. ACCESS PANEL WHERE REQUIRED.
2. REFER TO ENLARGED PLUMBING PLANS FOR CONTINUATION.
3. 2" CW DN IN CHASE SERVING URINALS & WATER CLOSETS.
4. ROUTE 1" CW, 1" TW & 3/4" HWR DN IN CHASE SERVING LAVATORIES.
5. 3/4" HW & 3/4" CW DN TO MS-1.
6. ROUTE 1" HW & 1" CW DN TO TMV-1.
7. ROUTE 3/4" HW & 3/4" CW DN TO TMV-2.
8. ROUTE 3/4" CW & 3/4" HWR DN IN WALL TO BEHIND LAVATORIES.
9. ROUTE 3/4" TW DN CHASE SERVING LAVATORIES.
10. ROUTE 1/2" CW AND 1/2" TW TO TV UNDER EACH LAVATORY. TV SHALL BE SYMMONS MODEL 7-102 OR EQUIVALENT. SET TV DISCHARGE TO 105 DEG F.
11. 4" DCW SERVICE. PROVIDE WITH FULL SIZE SHUT-OFF VALVE. REFER TO PLUMBING SITE PLAN AND CIVIL UTILITY PLANS FOR CONTINUATION.
12. ROUTE 1 1/2" CW DN CHASE SERVING WATER CLOSETS.
13. ROUTE 2 1/2" CW DN CHASE SERVING WATER CLOSETS.
14. ROUTE 2 1/2" CW DN CHASE SERVING WATER CLOSETS AND URINALS.
15. REFER TO PLUMBING FOOD SERVICE PLANS FOR CONTINUATION.
16. GAS PRESSURE REGULATOR. REFER TO GAS ISOMETRIC DIAGRAM FOR FURTHER INFORMATION.
17. ROUTE FULL SIZE T/P RELIEF VALVE TO ADJACENT FLOOR SINK. TERMINATE WITH APPROVED AIR GAP.
18. PROVIDE FULL SIZE PRV SET @ 80PSI.



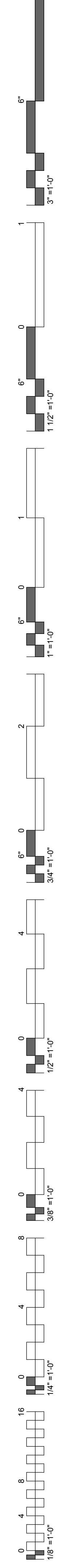
1 PLUMBING ENLARGED PLAN - WATER & GAS - GAMING MAIN RR  
1/4" = 1'-0"

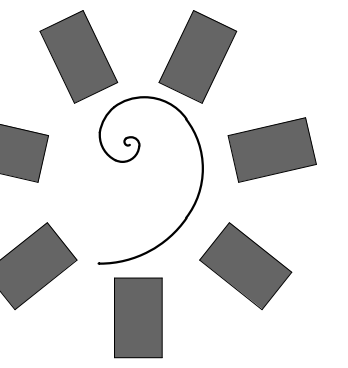


2 PLUMBING ENLARGED PLAN - WATER & GAS - BOH RR  
1/4" = 1'-0"

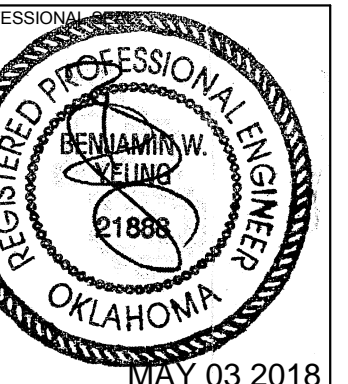


3 PLUMBING ENLARGED PLAN - WATER & GAS - RESTAURANT RR  
1/4" = 1'-0"





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CHEROKEE NATION ENTERTAINMENT  
**TAHLEQUAH CASINO**  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:  
**BID PACKAGE 05**

#	DATE	REVISIONS DESCRIPTION

DATE: 05/03/18  
JOB NUMBER: 17-06

SHEET NUMBER:  
**P1.8**

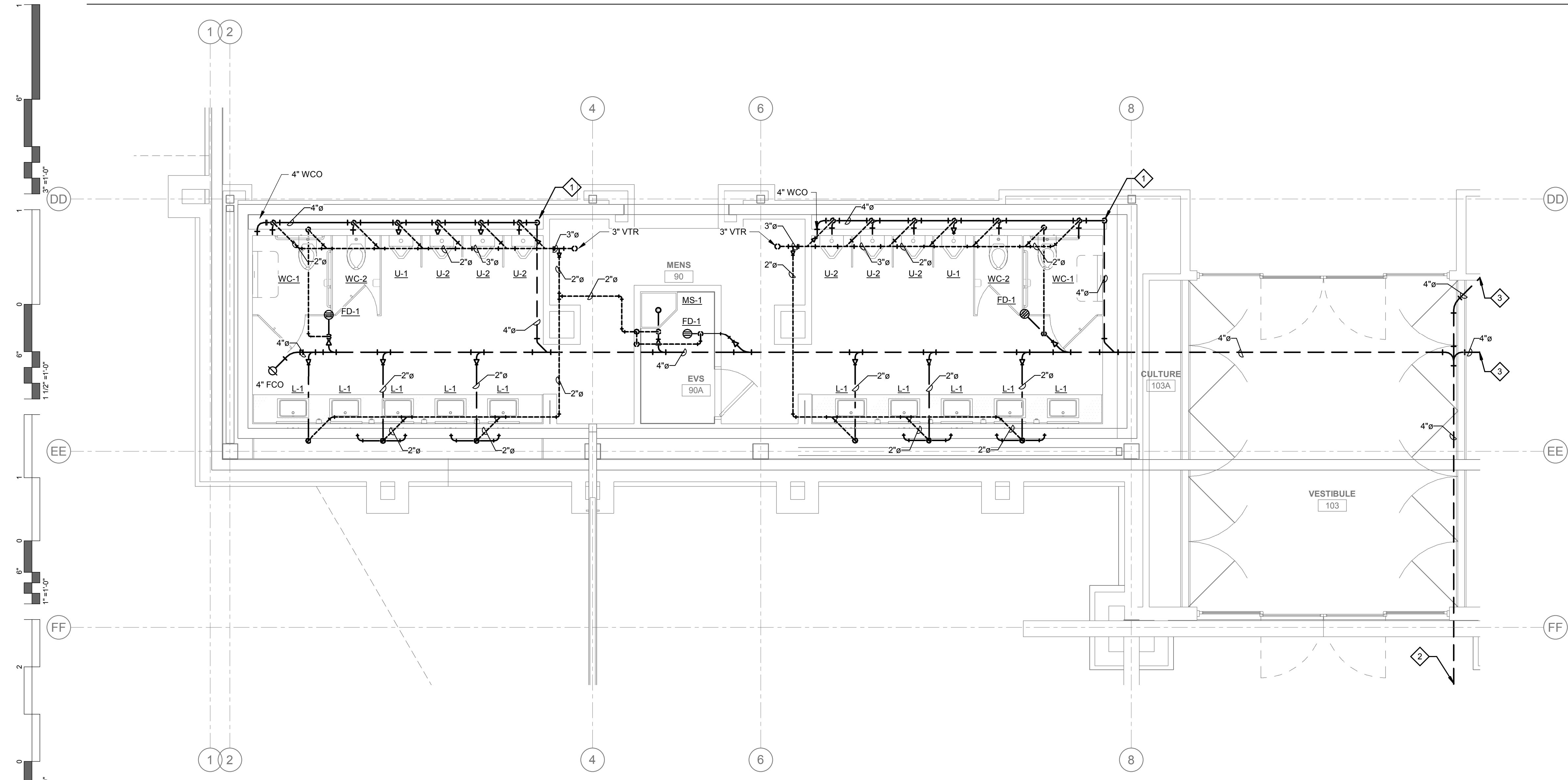
PLUMBING ENLARGED PLANS - DW & V

**GENERAL NOTES:**

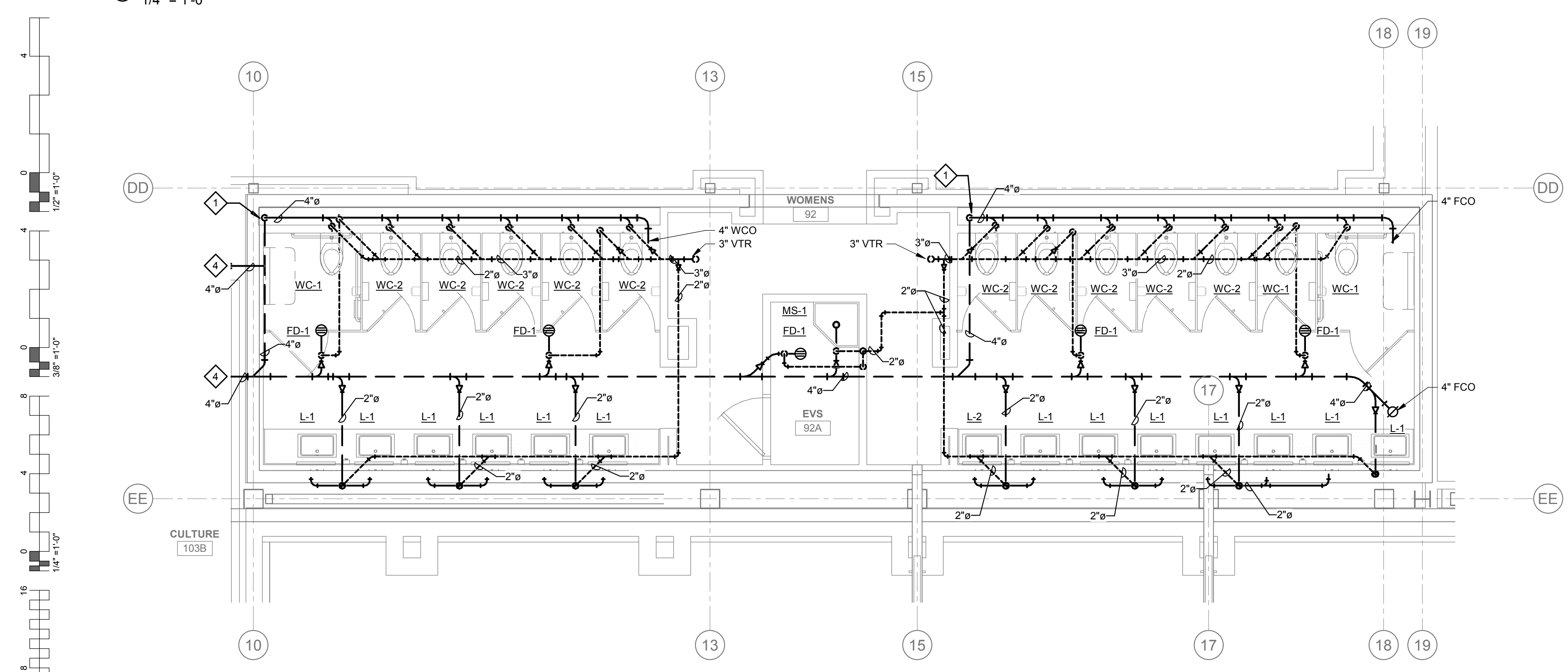
1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
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3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
9. PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

**SHEET NOTES:**

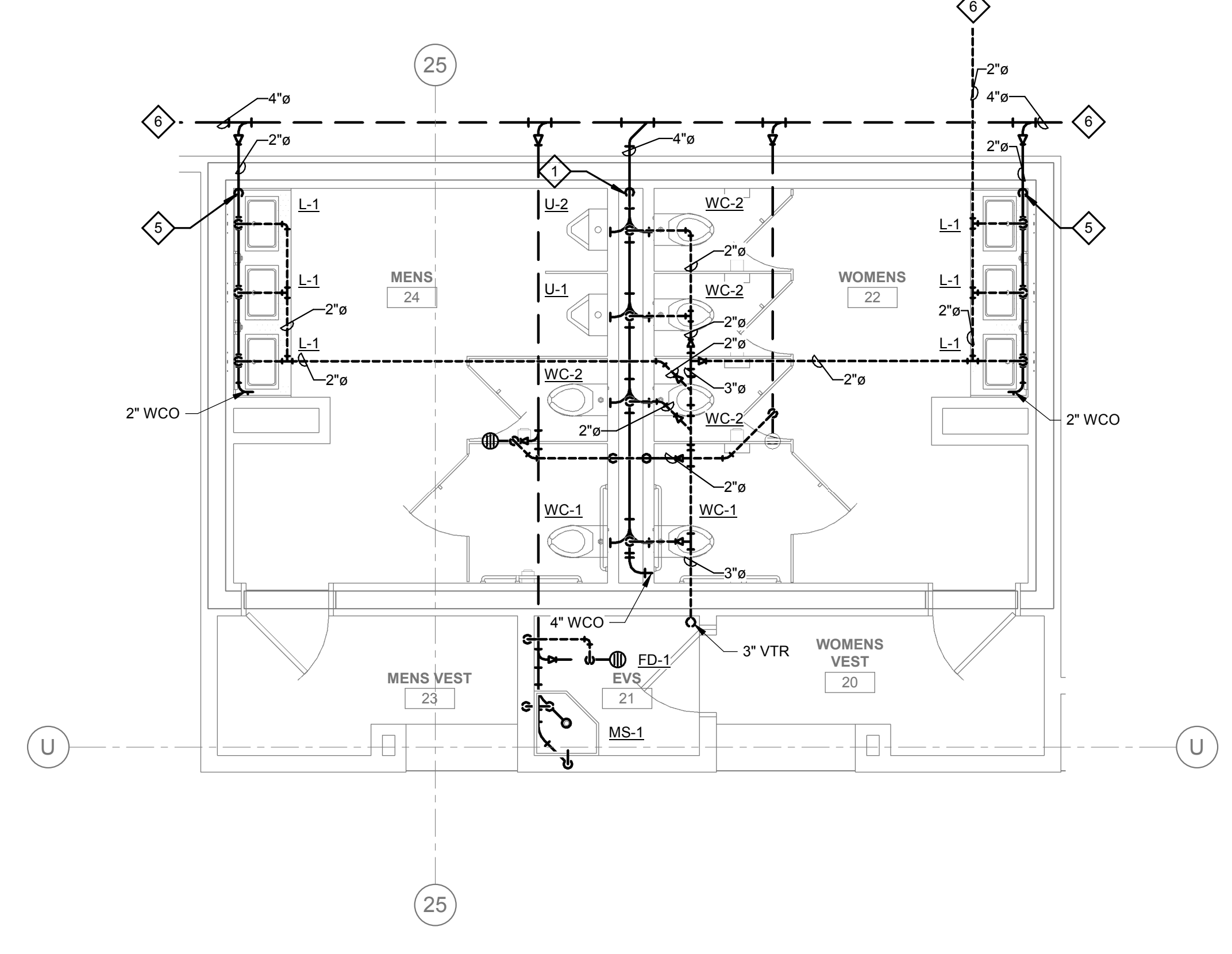
1. 4" WASTE UP INTO PLUMBING CHASE SERVING FIXTURES.
2. 4" WASTE: REFER TO CIVIL UTILITY PLANS FOR CONTINUATION.
3. 4" WASTE: REFER TO 2/P702 FOR CONTINUATION.
4. 4" WASTE: REFER TO 1/P702 FOR CONTINUATION.
5. 2" WASTE UP INTO PLUMBING CHASE SERVING FIXTURES.
6. REFER TO ENLARGED PLUMBING WASTE & VENT PLANS FOR CONTINUATION.



**1** PLUMBING ENLARGED PLAN - DW & V -  
BANQ MENS RR  
1/4" = 1'-0"

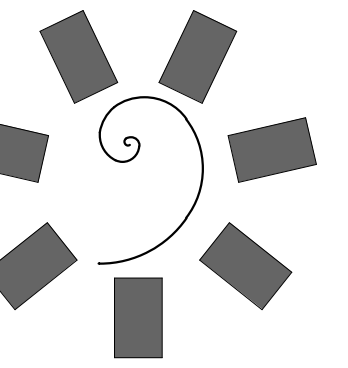


**2** PLUMBING ENLARGED PLAN - DW & V -  
BANQ WOMENS RR  
1/4" = 1'-0"

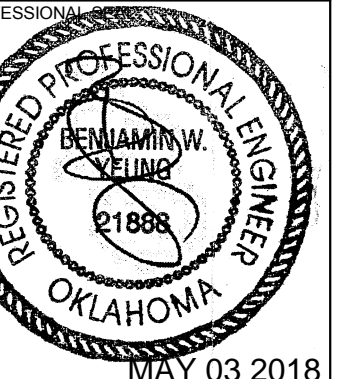


**3** PLUMBING ENLARGED PLAN - DW & V -  
HIGH LIMIT RR  
1/4" = 1'-0"

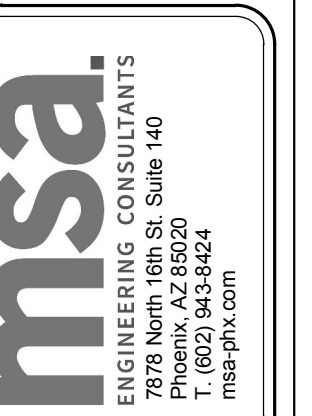




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CONSULTANT LOGO:



CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:

BID PACKAGE 05

REVISIONS	
#	DESCRIPTION

DATE: 05/03/18  
JOB NUMBER: 17-06

SHEET NUMBER:  
**P1.9**

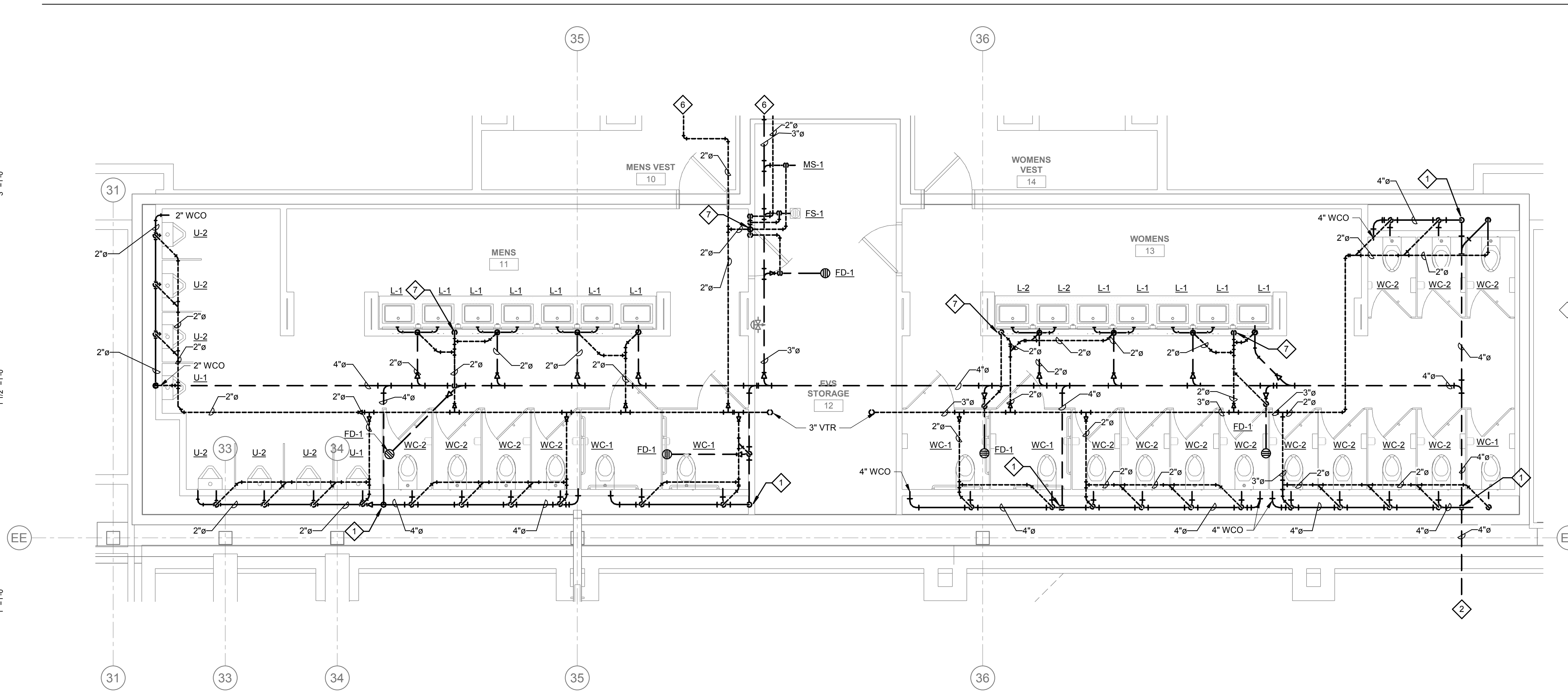
PLUMBING ENLARGED PLANS - DW & V

**GENERAL NOTES:**

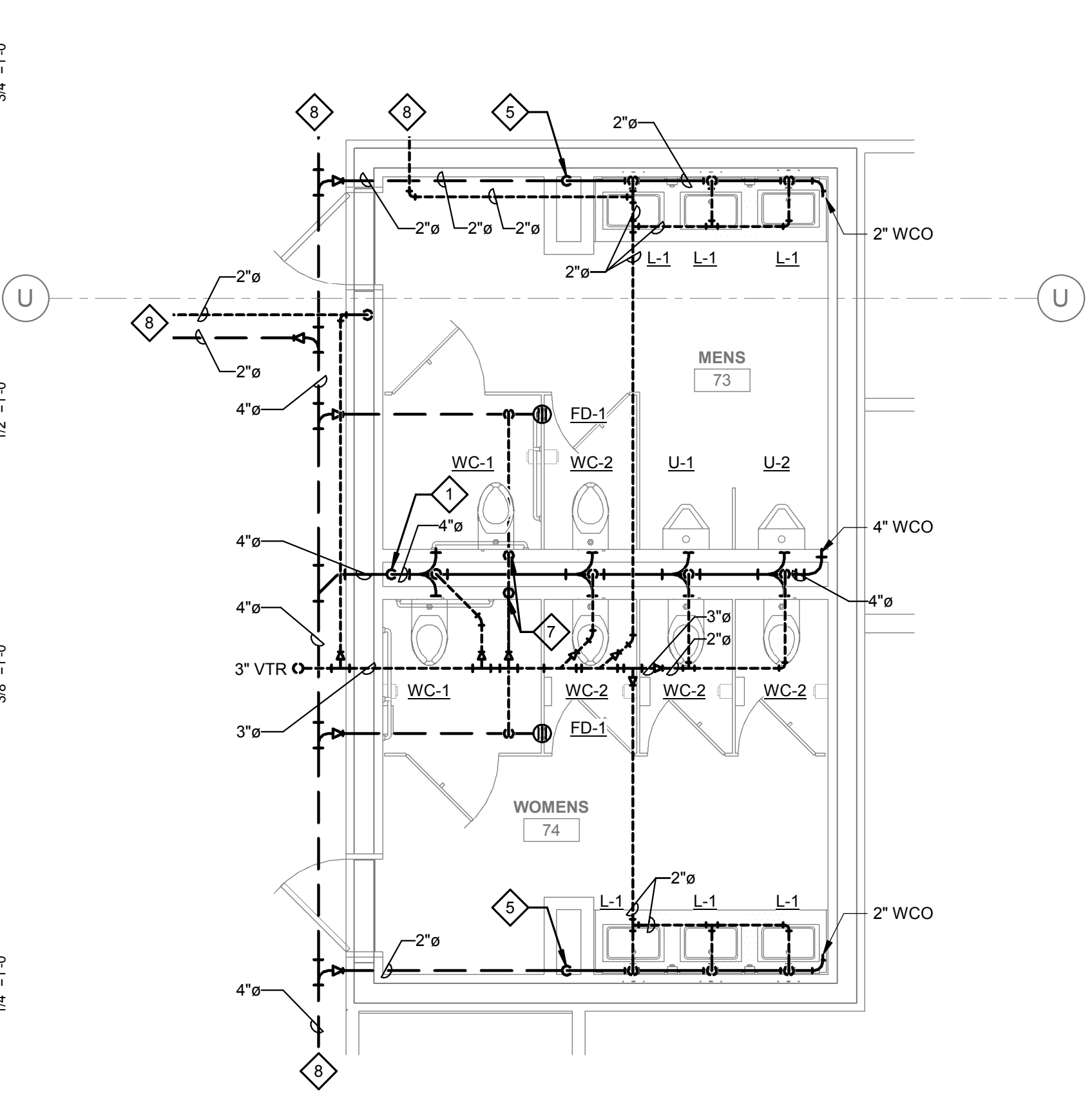
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4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
9. PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

**SHEET NOTES:**

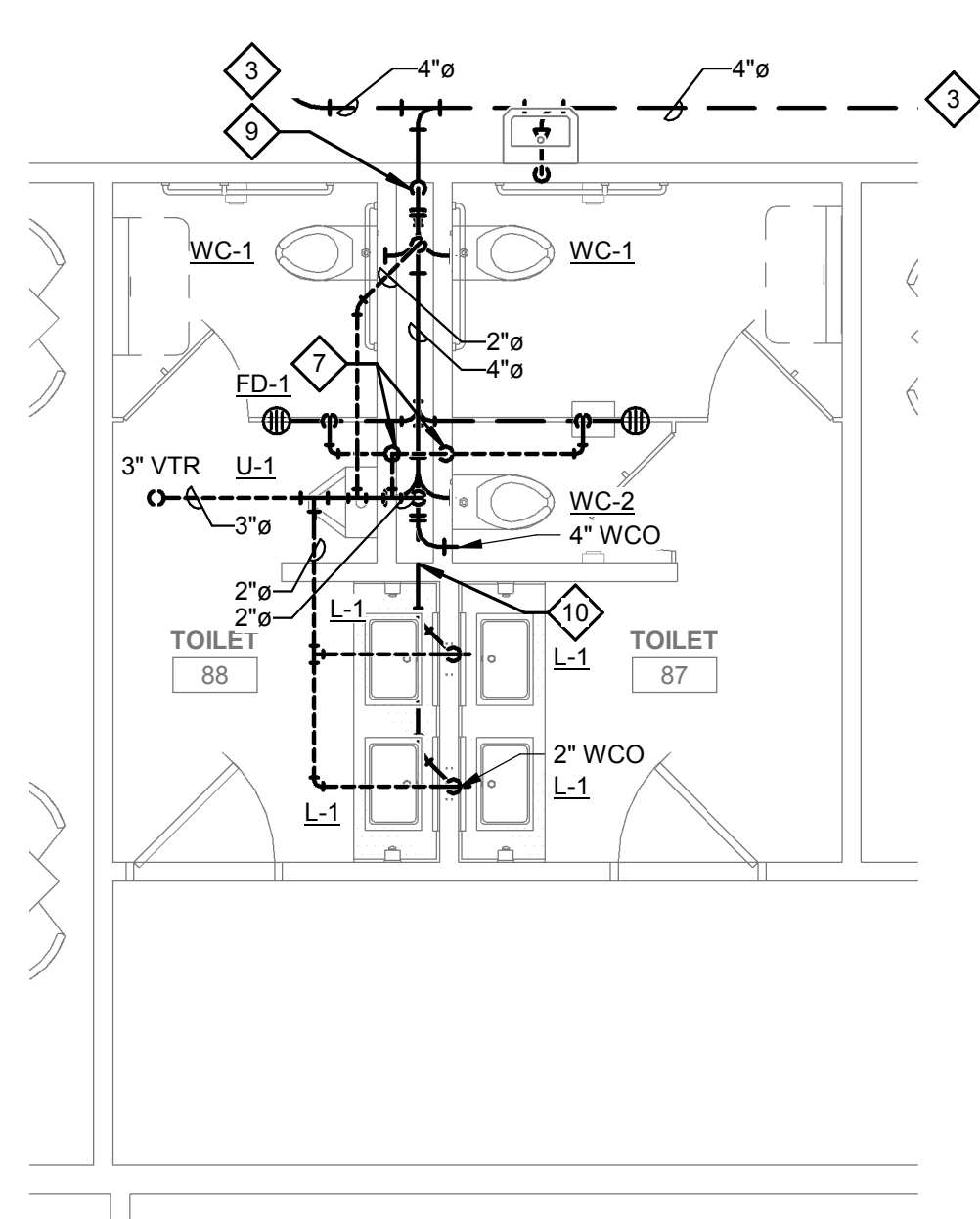
1. 4" WASTE UP INTO PLUMBING CHASE SERVING FIXTURES.
2. 4" WASTE: REFER TO CIVIL UTILITY PLANS FOR CONTINUATION.
3. 4" WASTE: REFER TO PLUMBING FOOD SERVICE PLANS FOR CONTINUATION.
4. 4" WASTE: REFER TO 119703 FOR CONTINUATION.
5. 2" WASTE UP INTO PLUMBING CHASE SERVING FIXTURES.
6. REFER TO SHEET PFS-101 FOR CONTINUATION.
7. 2" VENT UP IN WALL.
8. REFER TO ENLARGED PLUMBING WASTE & VENT PLANS FOR CONTINUATION.
9. 4" WASTE UP INTO PLUMBING CHASE SERVING FIXTURES. CONTINUE 2" WASTE LATERAL BELOW GRADE TO LAVATORIES.
10. 2" WASTE ROUTED BELOW GRADE FROM MAIN TO LAVATORIES.



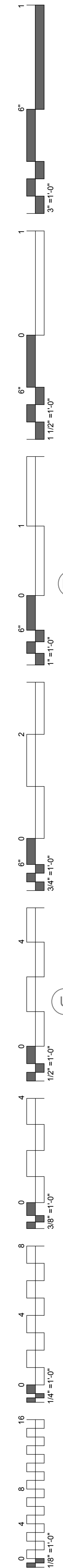
PLUMBING ENLARGED PLAN - DW & V -  
① GAMING MAIN RR  
1/4" = 1'-0"

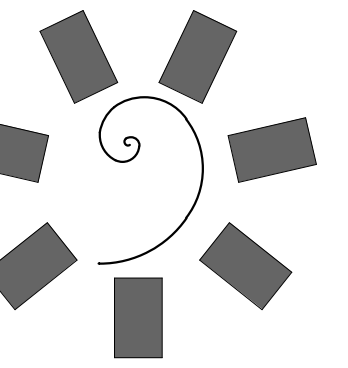


PLUMBING ENLARGED PLAN - DM & V -  
② BOH RR  
1/4" = 1'-0"



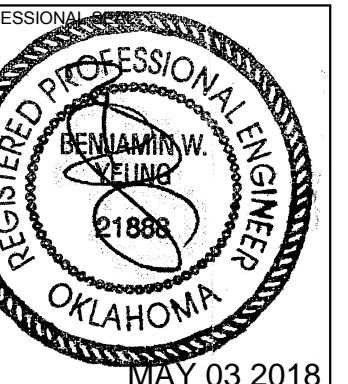
PLUMBING ENLARGED PLAN - DW & V -  
③ RESTAURANT RR  
1/4" = 1'-0"



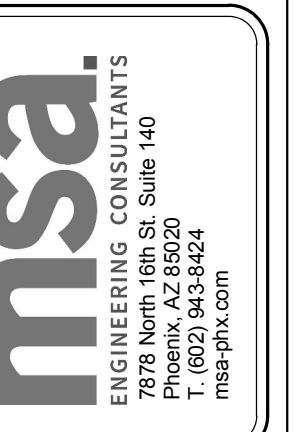


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CONSULTANT LOGO:



CLIENT:



CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:

BID PACKAGE 05

REVISIONS	
#	DESCRIPTION

DATE: 05/03/18 JOB NUMBER: 17-06

SHEET NUMBER: P6.1

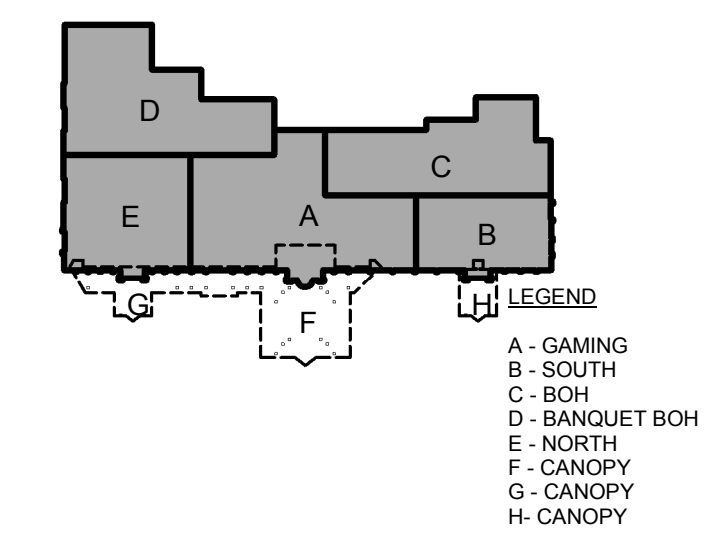
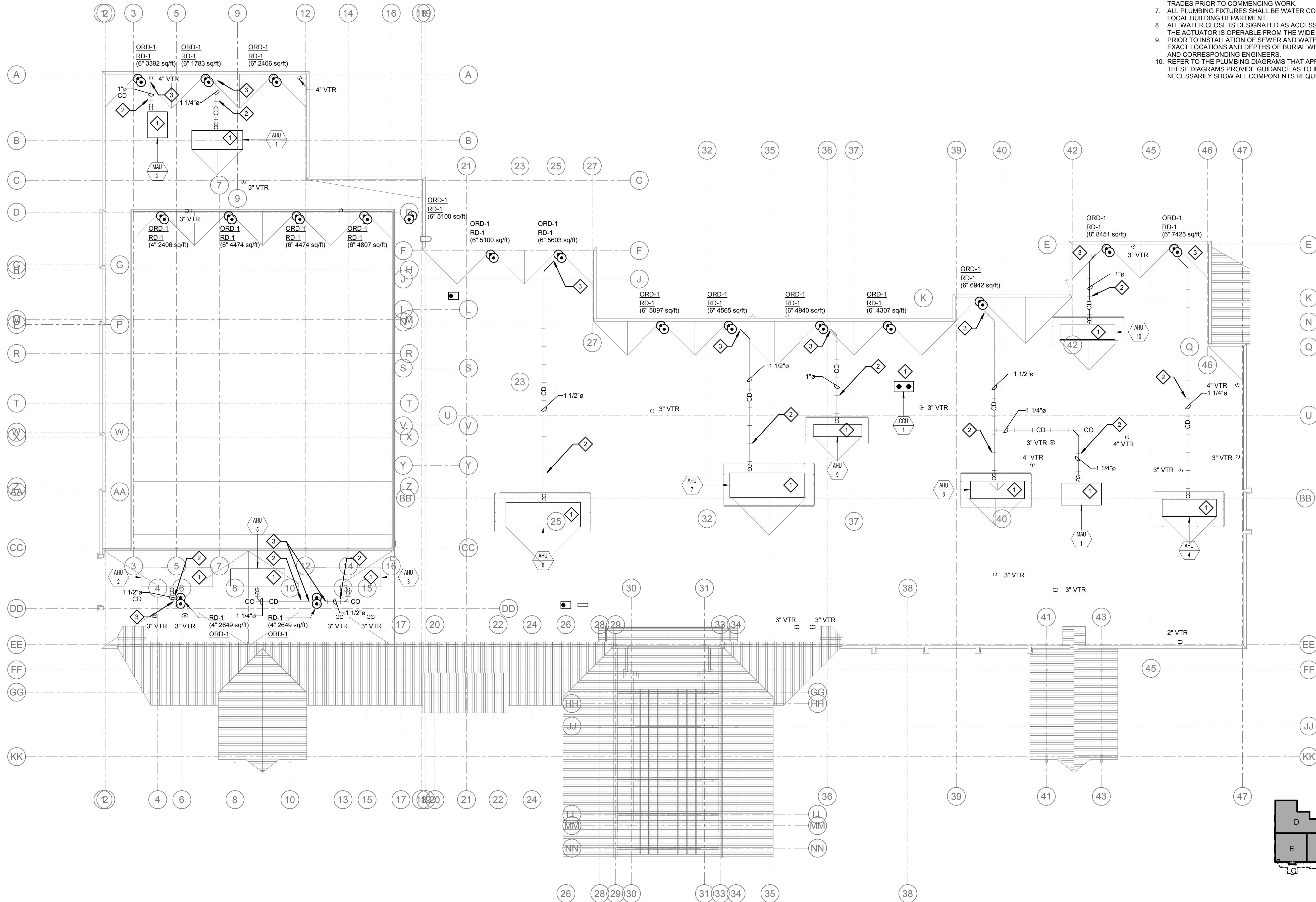
PLUMBING ROOF PLAN

**SHEET NOTES:**

- MECHANICAL EQUIPMENT, SHOWN FOR REFERENCE.
- COPPER CONDENSATE DRAIN PIPING SHALL BE PROVIDED WITH PIPE SUPPORT STAND ON ROOF. MAPA MODEL MS-1-X-A10, OR APPROVED EQUIVALENT. PIPE SUPPORT SPACING SHALL BE 7 FT MAXIMUM FOR 1 1/4" PIPE SIZE, 8 FT MAXIMUM FOR 1 1/2" AND 2", AND 10 FT MAXIMUM FOR 3" PIPE SIZE.
- SPILL CONDENSATE DRAIN TO ROOF DRAIN WITH 90 DEGREE ELBOWS.

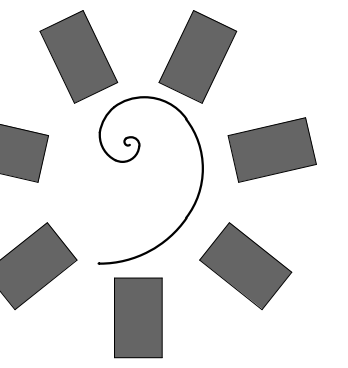
**GENERAL NOTES:**

- ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
- THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
- SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
- PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
- ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
- ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
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- REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.



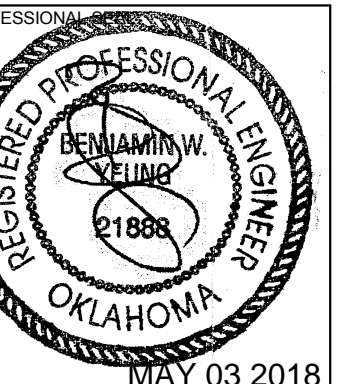
1 PLUMBING ROOF PLAN  
3/64" = 1'-0"

Key Plan  
1" = 200'-0"

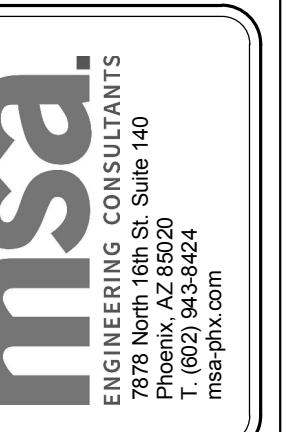


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CLIENT:



CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:

BID PACKAGE 05

REVISIONS	
#	DESCRIPTION

DATE: 05/03/18  
JOB NUMBER: 17-06

SHEET NUMBER:

PFS.101

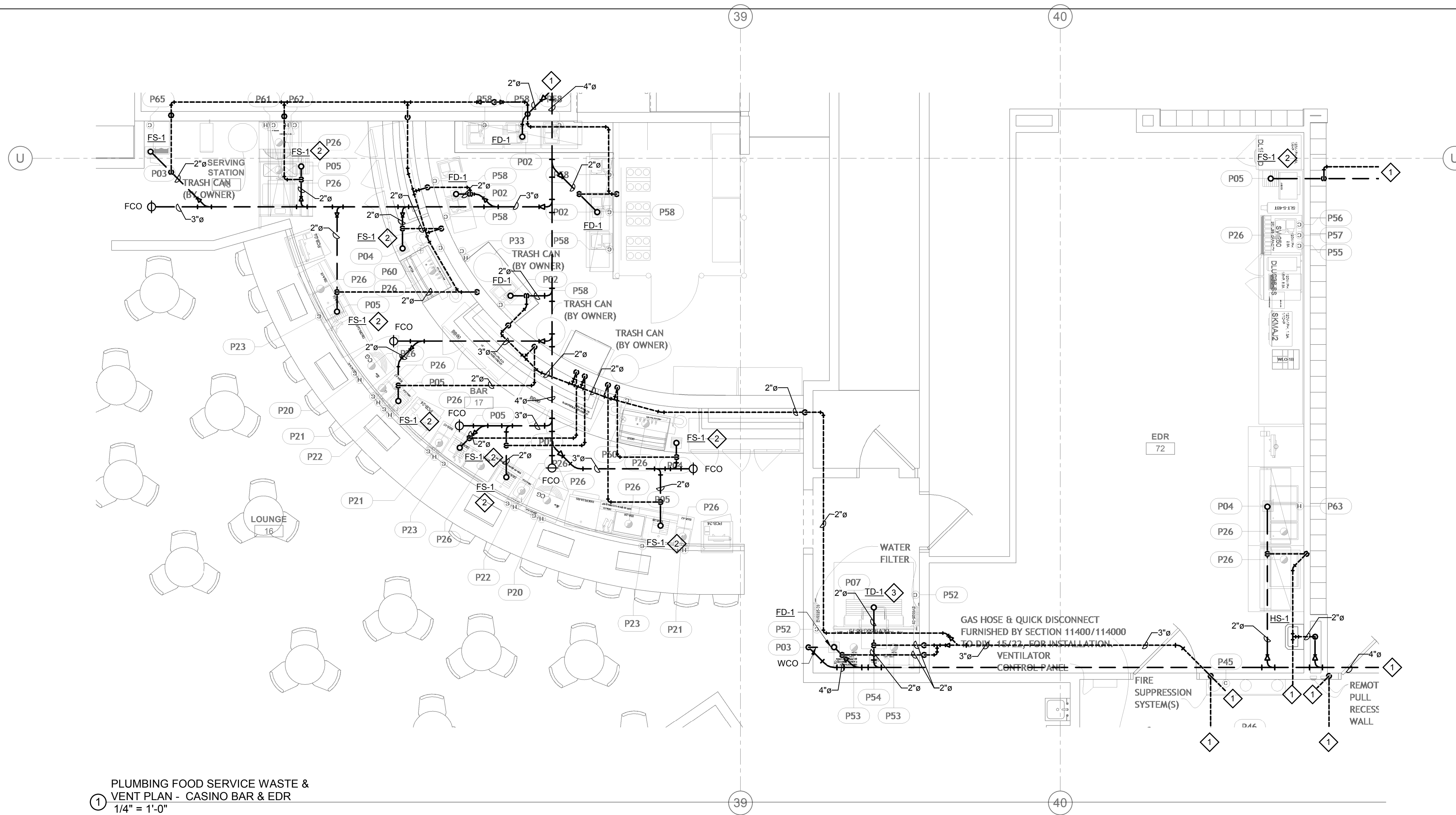
PLUMBING FOOD SERVICE WASTE & VENT PLAN - CASINO BAR & EDR

**GENERAL NOTES:**

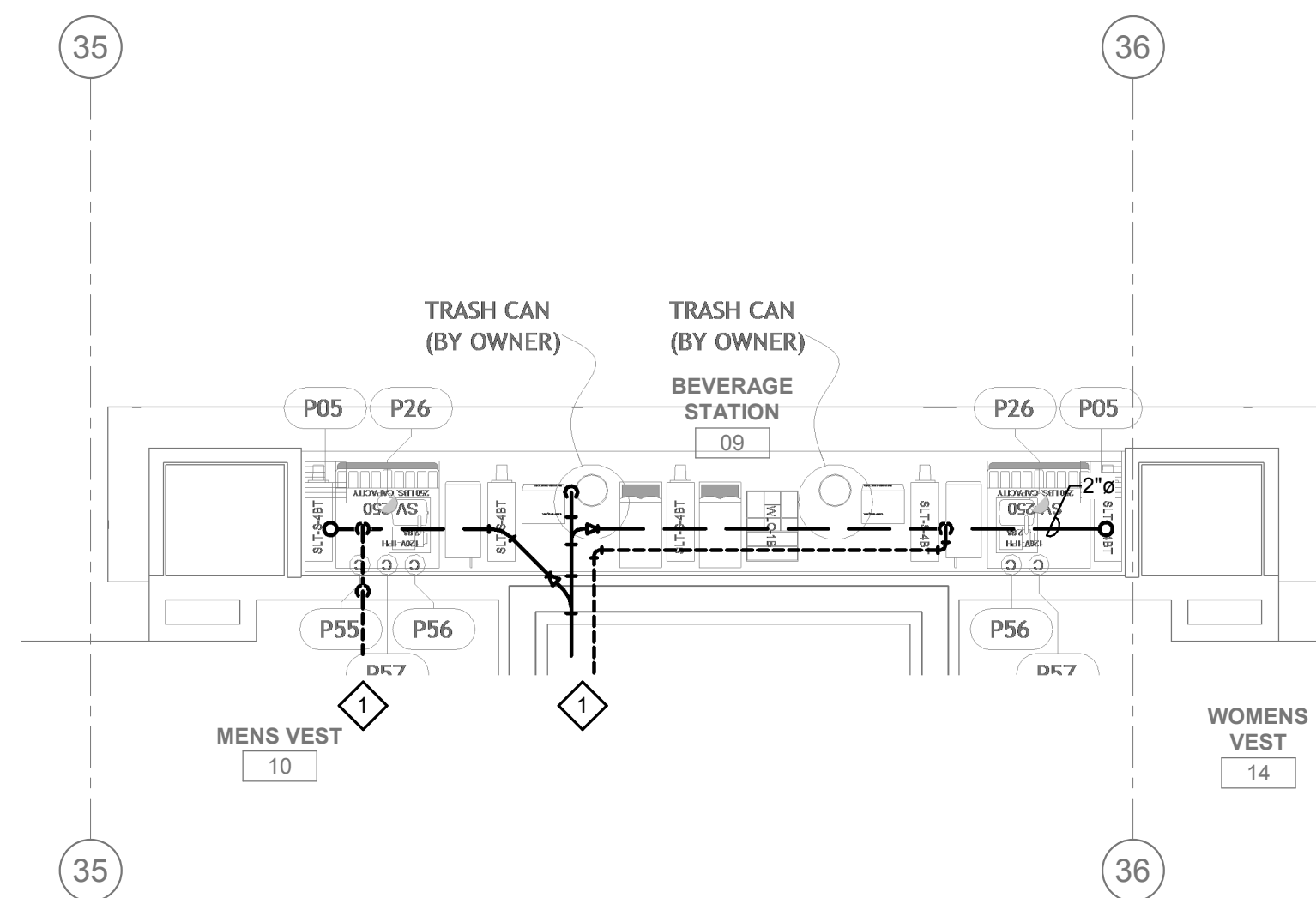
1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
9. PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

**SHEET NOTES:**

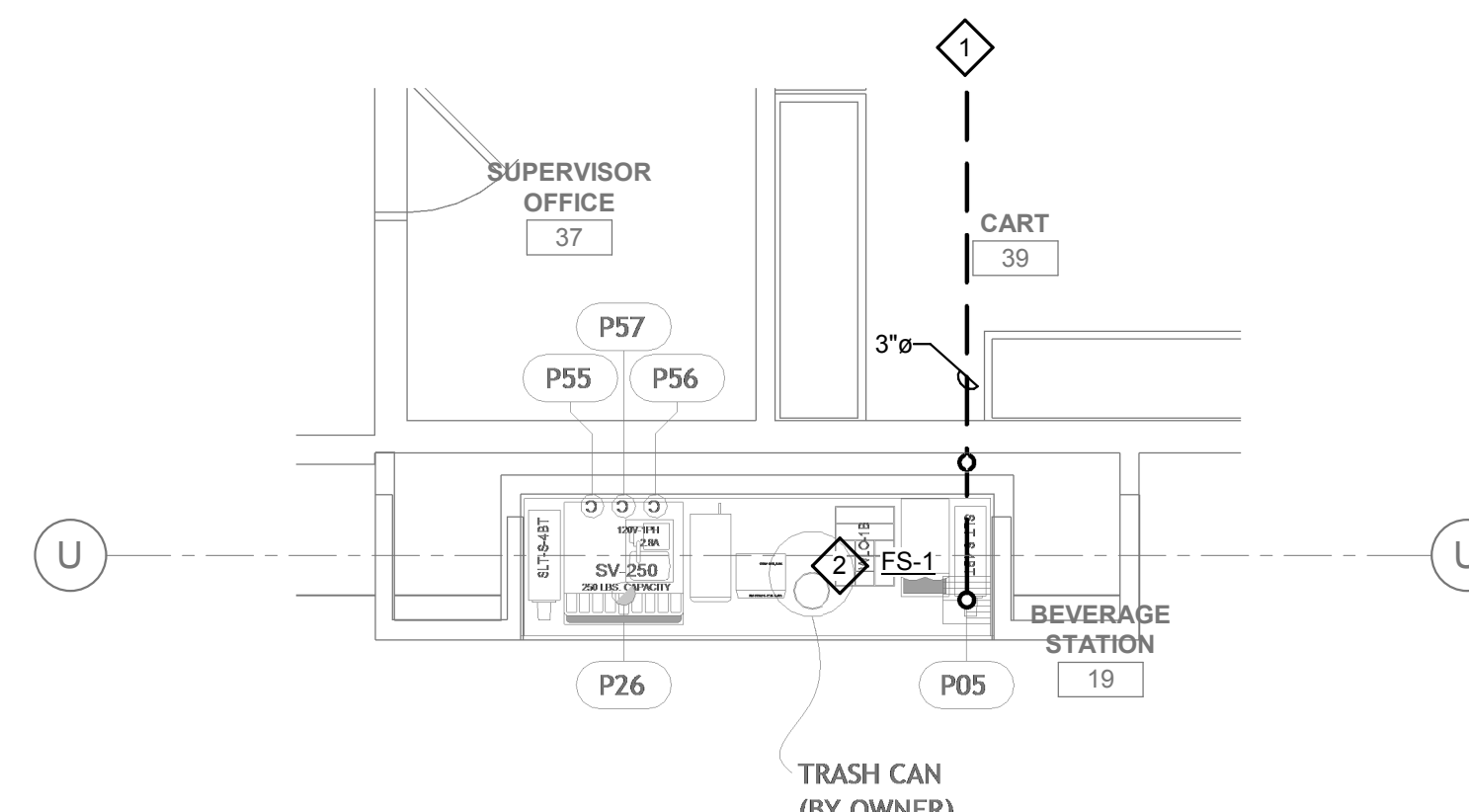
1. REFER TO PLUMBING ENLARGED PLANS FOR CONTINUATION.
2. RUN FULL SIZE INDIRECT WASTE FROM ITEM #P26 TO FS-1. TERMINATE WITH APPROVED AIR GAP.
3. RUN FULL SIZE INDIRECT WASTE FROM ITEM #P53 TO TD-1. TERMINATE WITH APPROVED AIR GAP.



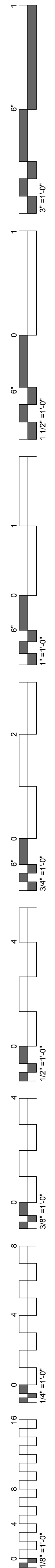
1 PLUMBING FOOD SERVICE WASTE & VENT PLAN - CASINO BAR & EDR  
1/4" = 1'-0"



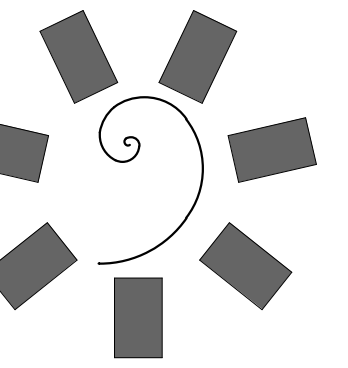
2 PLUMBING FOOD SERVICE WASTE & VENT PLAN - COMP. BEVE. SOUTH  
1/4" = 1'-0"



3 PLUMBING FOOD SERVICE WASTE & VENT PLAN - COMP. BEVE. NORTH  
1/4" = 1'-0"

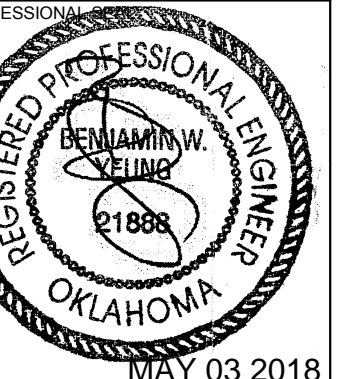




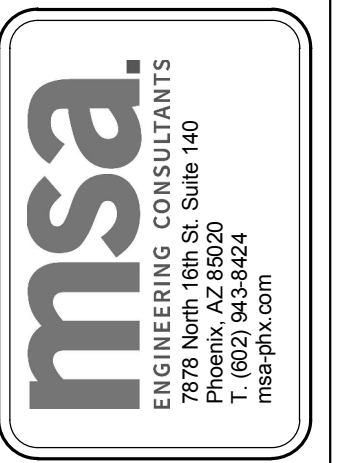


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CONSULTANT LOGO:



CLIENT:  
CHEROKEE NATION  
Entertainment



CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:  
BID PACKAGE 05

REVISIONS	
#	DESCRIPTION

DATE: 05/03/18  
JOB NUMBER: 17-06

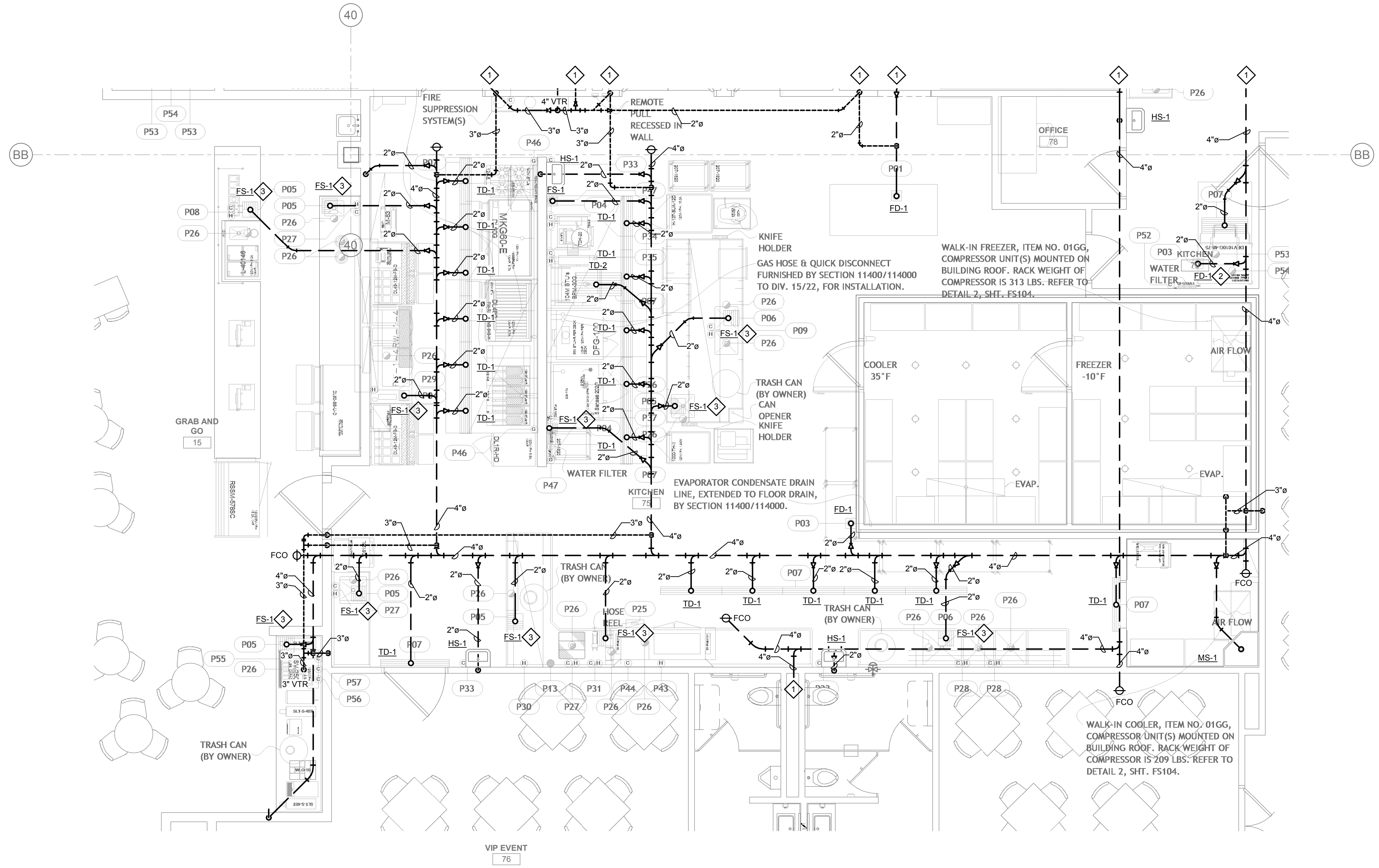
SHEET NUMBER:  
PFS.102  
PLUMBING FOOD SERVICE WASTE & VENT PLAN - GRAB-N-GO KITCHEN

**GENERAL NOTES:**

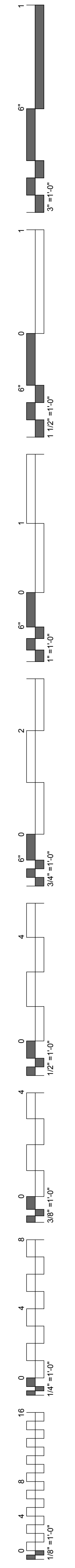
1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
9. PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

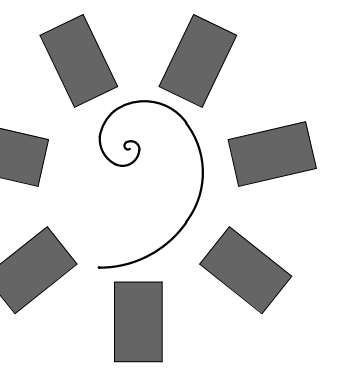
**SHEET NOTES:**

1. REFER TO PLUMBING ENLARGED PLANS FOR CONTINUATION.
2. RUN FULL SIZE INDIRECT WASTE FROM ITEM #P53 & P54 TO FD-1. TERMINATE WITH APPROVED AIR GAP.
3. RUN FULL SIZE INDIRECT WASTE FROM ITEM #P26 TO FS-1. TERMINATE WITH APPROVED AIR GAP.



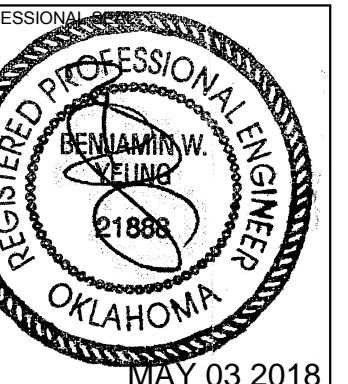
1 PLUMBING FOOD SERVICE WASTE & VENT PLAN - GRAB-N-GO KITCHEN  
1/4" = 1'-0"



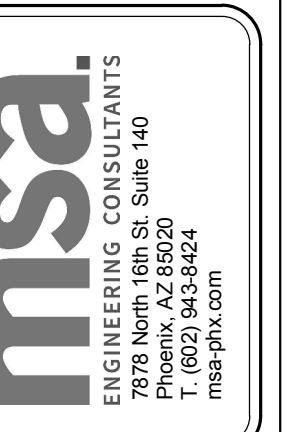


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CONSULTANT LOGO:



CLIENT:  
CHEROKEE NATION  
Entertainment



CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:

BID PACKAGE 05

#	DATE	REVISIONS DESCRIPTION

DATE: 05/03/18 JOB NUMBER: 17-06

SHEET NUMBER:

PFS.103

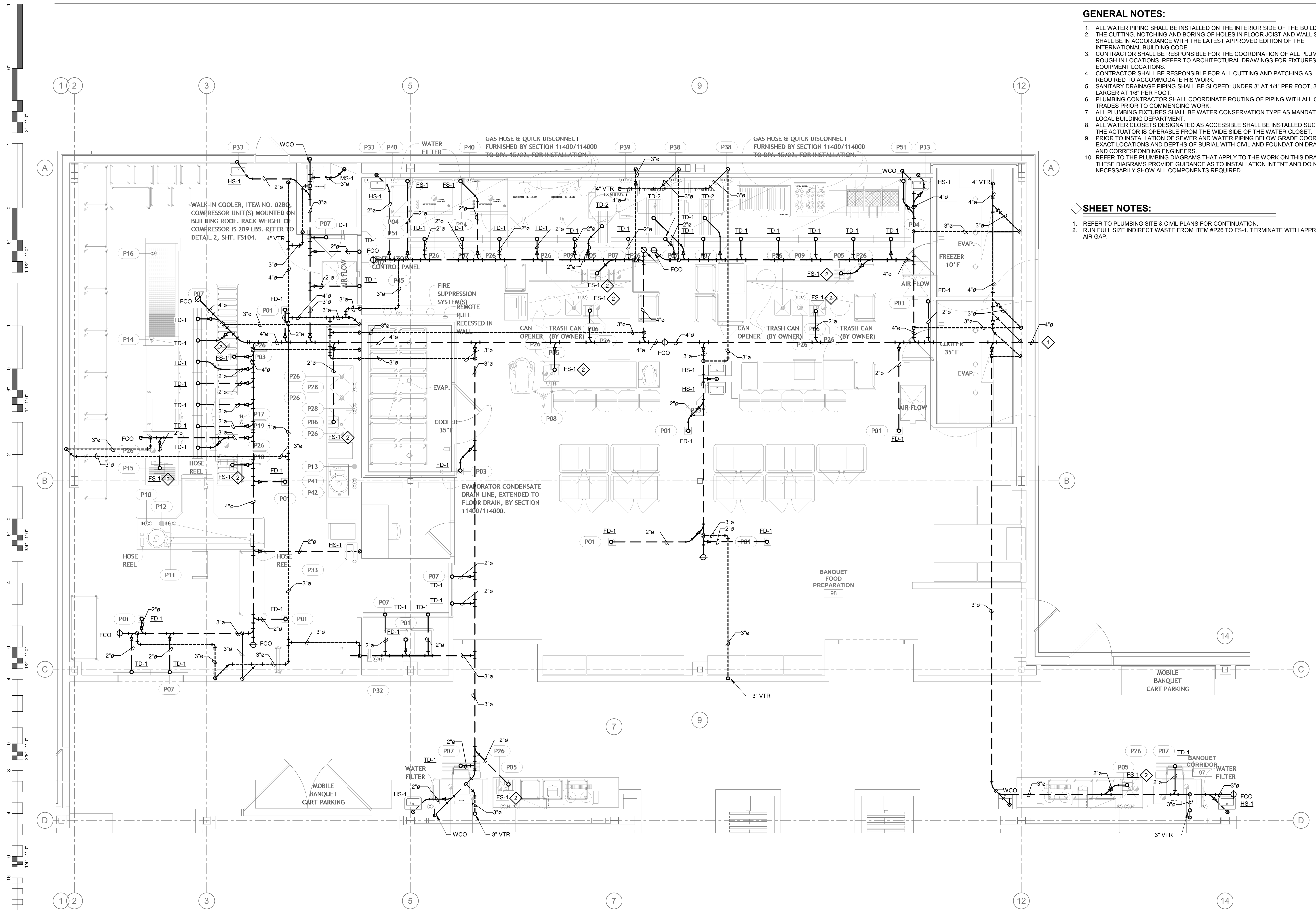
PLUMBING FOOD SERVICE WASTE & VENT PLAN - BANQUET KITCHEN

GENERAL NOTES:

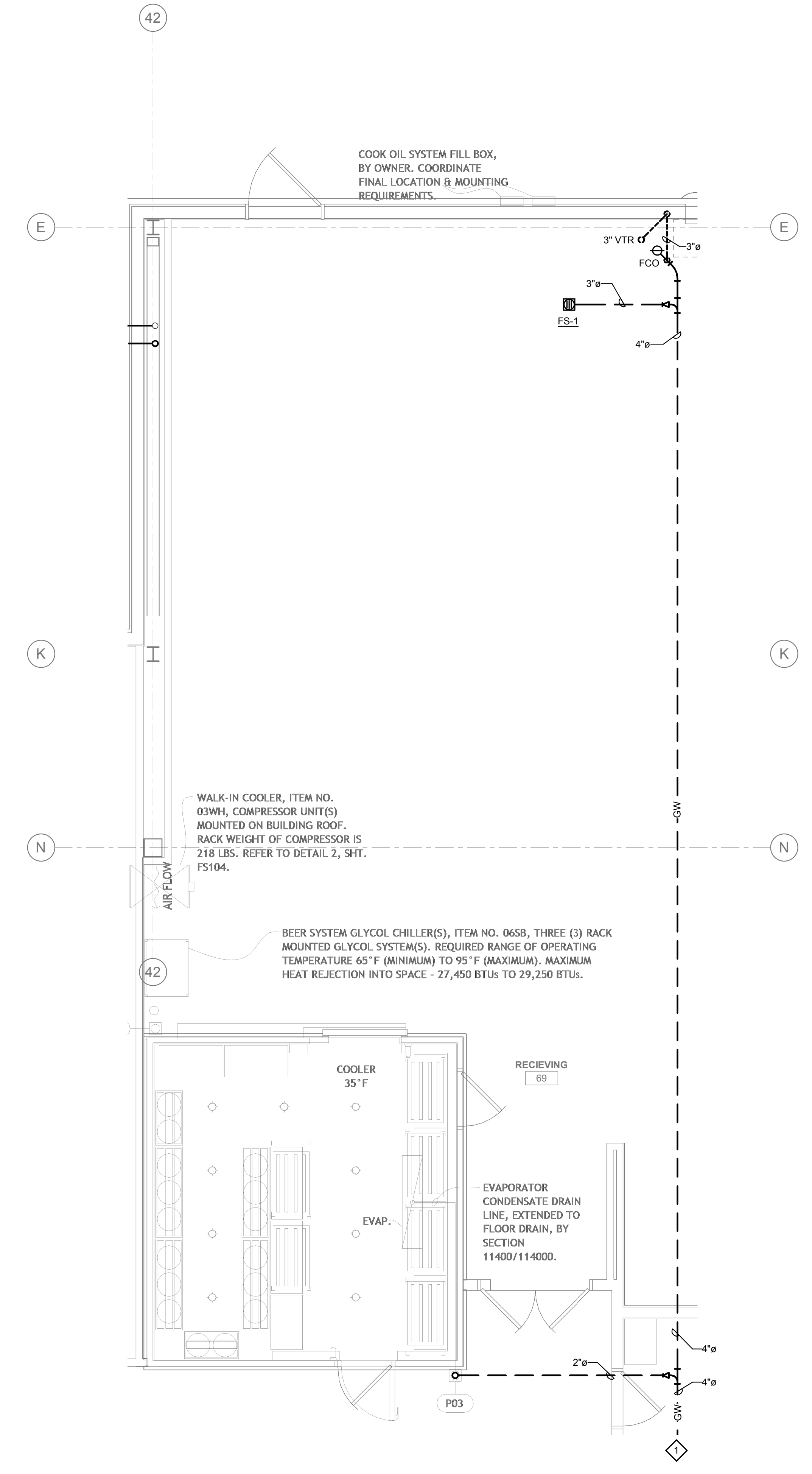
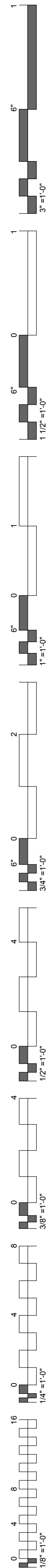
1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
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4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
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7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
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10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

SHEET NOTES:

1. REFER TO PLUMBING SITE & CIVIL PLANS FOR CONTINUATION.
2. RUN FULL SIZE INDIRECT WASTE FROM ITEM #P26 TO FS-1. TERMINATE WITH APPROVED AIR GAP.



PLUMBING FOOD SERVICE WASTE & VENT PLAN - BANQUET KITCHEN  
1/4" = 1'-0"



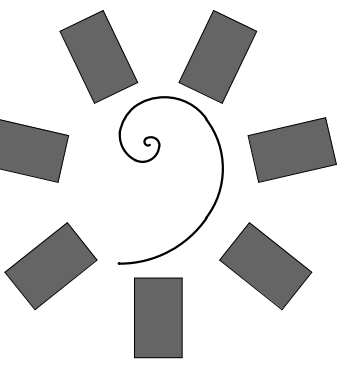
PLUMBING FOOD SERVICE WASTE & VENT PLAN - WAREHOUSE  
 1/4" = 1'-0"

**GENERAL NOTES:**

1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
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**SHEET NOTES:**

1. REFER TO PLUMBING ENLARGED PLANS FOR CONTINUATION.



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CHEROKEE NATION ENTERTAINMENT  
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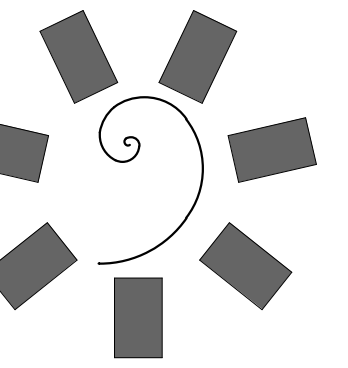
PROJECT PHASE:  
 BID PACKAGE 05

REVISIONS	
#	DESCRIPTION

DATE: 05/03/18 JOB NUMBER: 17-06

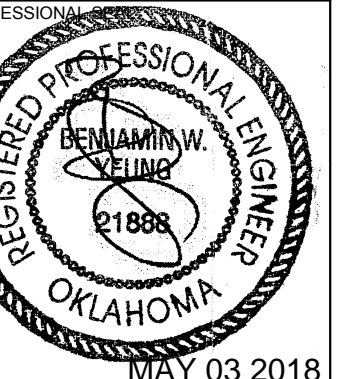
SHEET NUMBER:  
**PFS.104**  
 PLUMBING FOOD SERVICE WASTE & VENT PLAN - WAREHOUSE



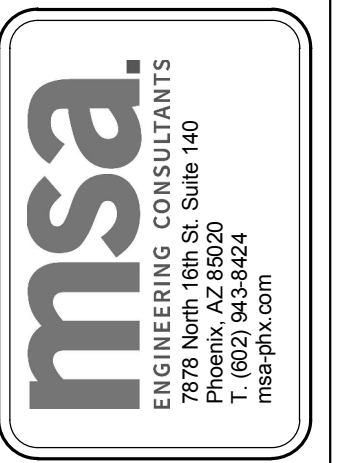


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CONSULTANT LOGO:



CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:  
BID PACKAGE 05

#	DATE	REVISIONS DESCRIPTION

DATE: 05/03/18 JOB NUMBER: 17-06

SHEET NUMBER: PFS.105

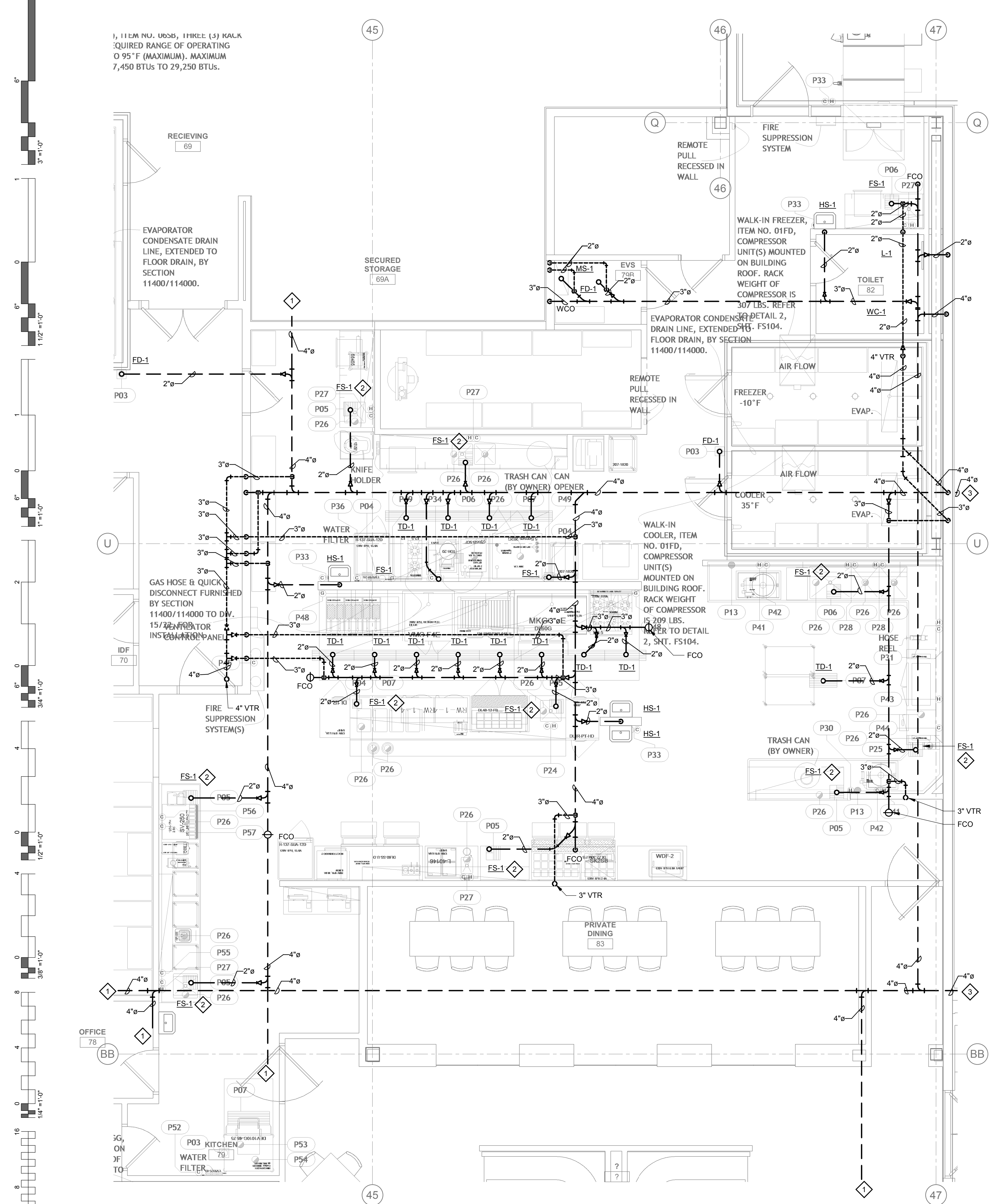
PLUMBING FOOD SERVICE WASTE & VENT PLAN - FINE DINING

**GENERAL NOTES:**

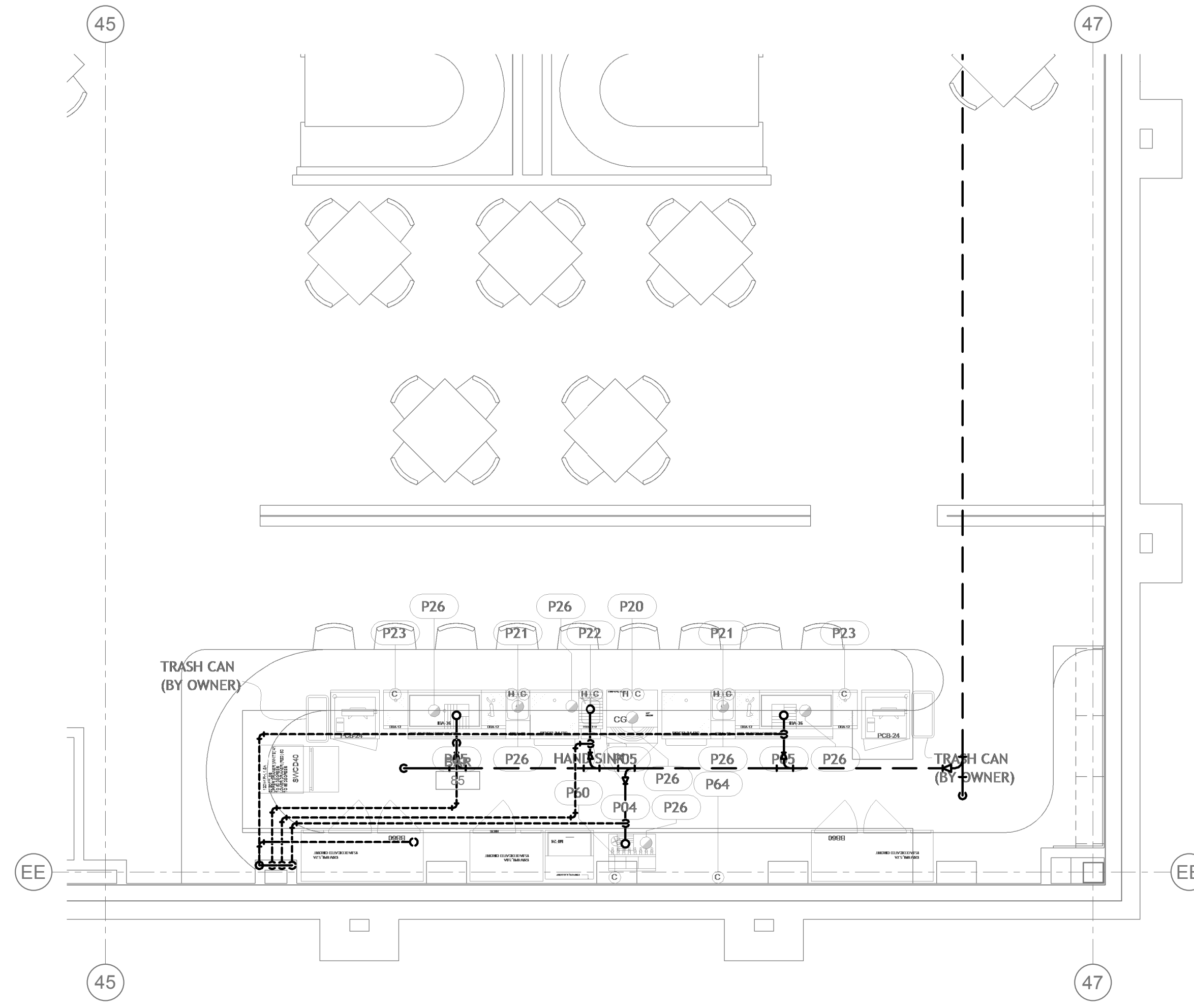
1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
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4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
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**SHEET NOTES:**

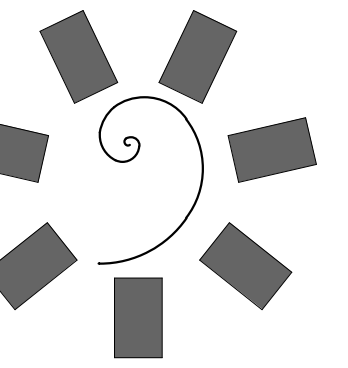
1. REFER TO PLUMBING ENLARGED PLANS FOR CONTINUATION.
2. RUN FULL SIZE INDIRECT WASTE FROM ITEM #P26 TO FS-1. TERMINATE WITH APPROVED AIR GAP.
3. REFER TO PLUMBING SITE PLAN AND CIVIL PLANS FOR CONTINUATION.



1 PLUMBING FOOD SERVICE WASTE & VENT PLAN - FINE DINING  
1/4" = 1'-0"

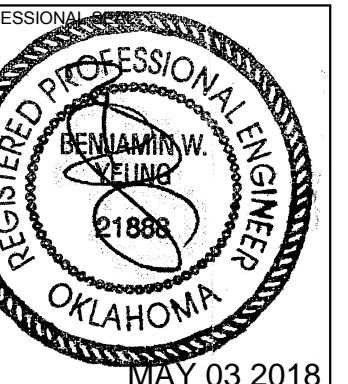


2 PLUMBING FOOD SERVICE WASTE & VENT PLAN - FINE DINING BAR  
1/4" = 1'-0"



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CONSULTANT LOGO:



CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:  
BID PACKAGE 05

REVISIONS	
#	DESCRIPTION

DATE: 05/03/18  
JOB NUMBER: 17-06

SHEET NUMBER:

PFS.106

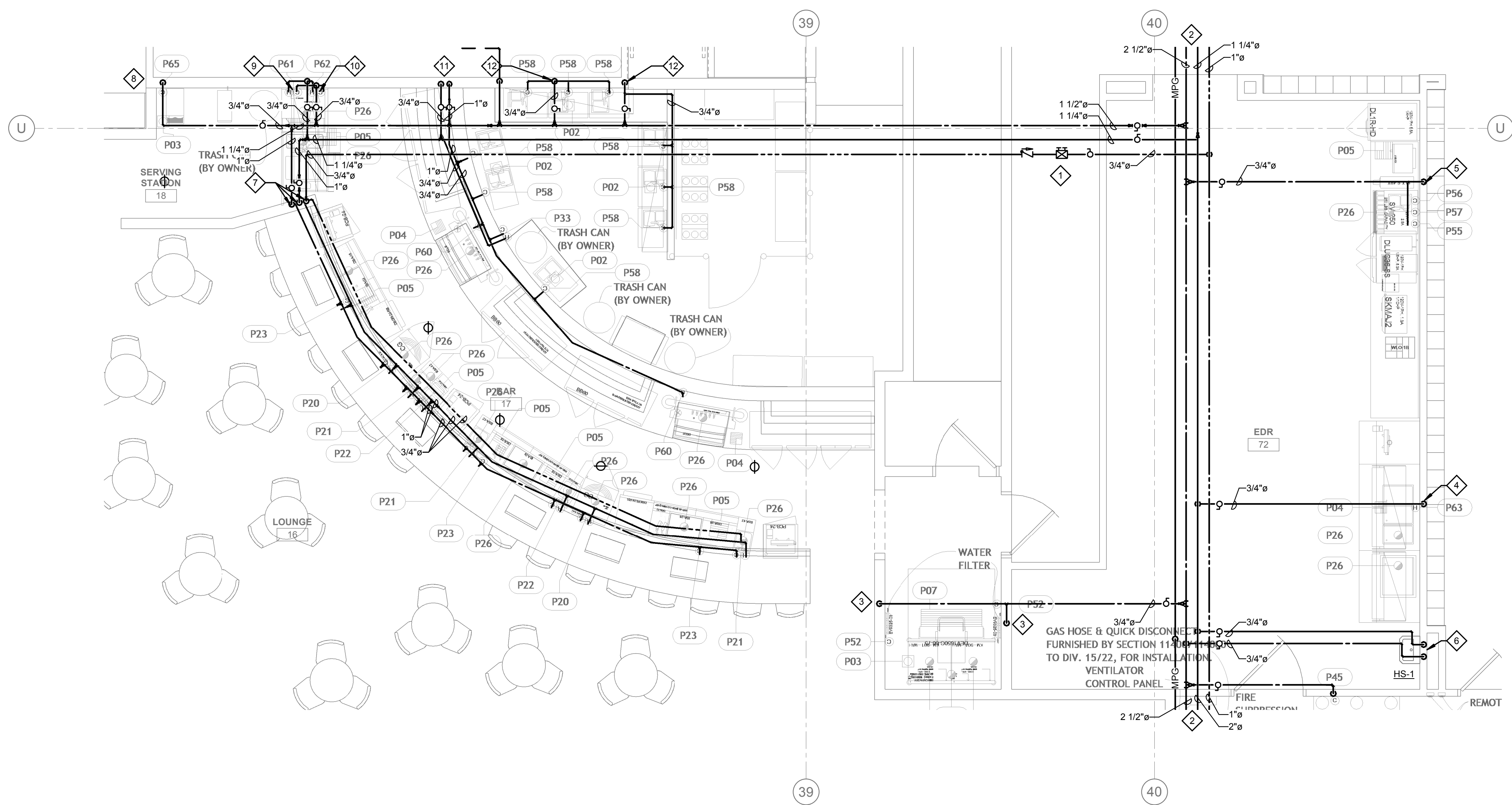
PLUMBING FOOD SERVICE WATER & GAS PLAN - CASINO BAR & EDR

**GENERAL NOTES:**

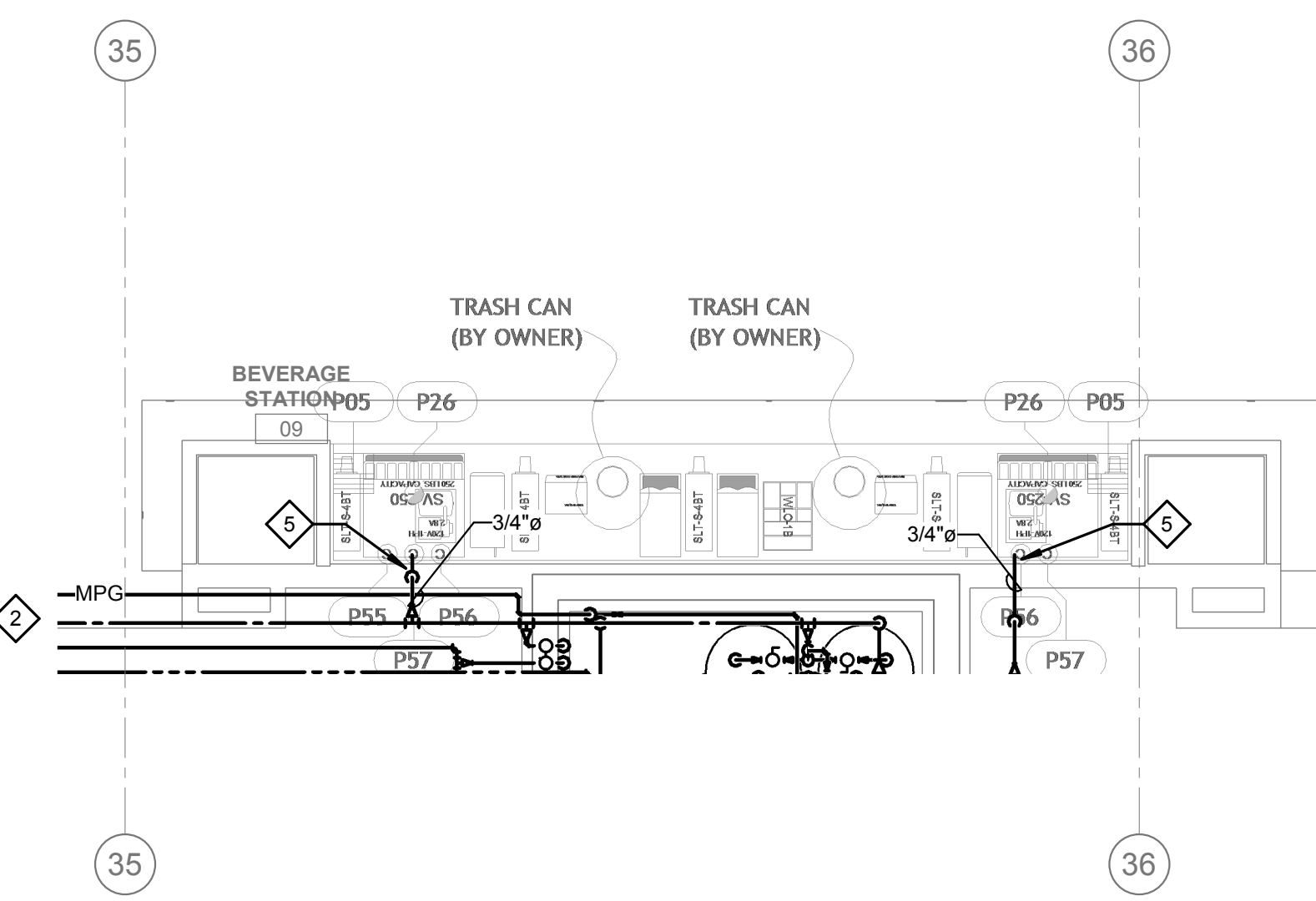
- ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
- THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
- SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
- PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
- ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
- ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
- PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
- REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.
- WHERE APPLICABLE, WATER SUPPLY TO CARBONATORS AND COFFEE MACHINES TO BE PROVIDED WITH A WATTS #LF009QTS BACKFLOW PREVENTER. ICE MACHINES TO BE PROVIDED WITH A WATTS #9D DUAL CHECK VALVE.
- REFER TO KITCHEN DRAWINGS FOR ITEM NUMBERS.
- REFER TO KITCHEN DOCUMENTS FOR ADDITIONAL FIXTURES NEEDING WATER SUPPLY OR DRAIN CONNECTIONS NOT SHOWN HERE. SUBMIT AN RFI DURING BID PROCESS FOR CLARIFICATION IF REQUIRED.

**SHEET NOTES:**

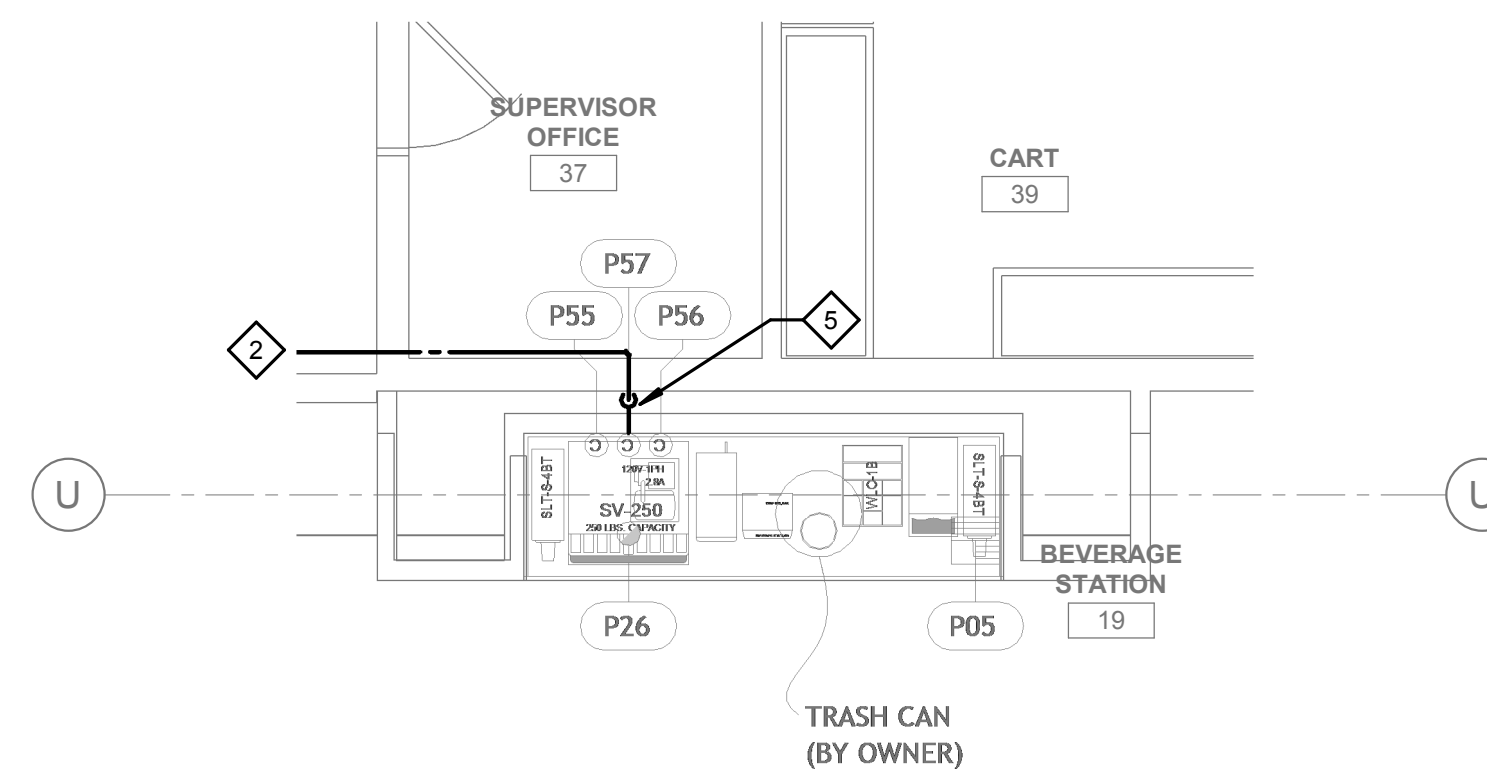
- PROVIDE LINE SIZE BALANCING VALVE INCLUDING CHECK VALVE AND BALL VALVE. BALANCING VALVE SHALL BE B&G CIRCUIT SETTER MODEL RF-1/2S LF OR EQUIVALENT SET AT 1.0 GPM FLOW. PROVIDE WITH 12"x12" MIN. ACCESS PANEL WHERE REQUIRED.
- REFER TO ENLARGED PLUMBING PLANS FOR CONTINUATION.
- ROUTE 3/4" CW DN IN WALL TO WATER FILTER SERVING ICE MAKER (ITEM #P52).
- ROUTE 3/4" HW DN IN WALL TO SERVING COUNTER (ITEM #P63).
- ROUTE 3/4" CW DN IN WALL TO BEVERAGE COUNTER (ITEM #P55), CARBONATOR (ITEM #P56) & ICE MAKER (ITEM #P57). PROVIDE CARBONATOR WITH WATTS #LF009QTS BACKFLOW PREVENTER. PROVIDE ICE MAKER WITH WATTS #9D DUAL CHECK VALVE.
- ROUTE 3/4" CW & HW DN TO HAND SINK. PROVIDE WITH SYMMONS 7-102 OR EQUIVALENT. SET DISCHARGE TEMPERATURE TO 105°F.
- ROUTE 1" CW, 1" HW & 3/4" HWR DN IN WALL TO BELOW COUNTER SERVING CARBONATORS (ITEM #P23)(x3), GLASS WASHER (ITEM #P20)(x2), FAUCET (ITEM #P21)(x3) & HAND SINK (ITEM #P22)(x2). PROVIDE CARBONATORS WITH WATTS #LF009QTS BACKFLOW PREVENTER. PROVIDE WITH SYMMONS 7-102 OR EQUIVALENT. SET DISCHARGE TEMPERATURE TO 105°F.
- ROUTE 3/4" CW DN TO BEVERAGE EQUIPMENT (ITEM #P65).
- ROUTE 3/4" CW & 3/4" HW DN TO FAUCET (ITEM #P61).
- ROUTE 3/4" CW & 3/4" HW DN TO GLASS WASHER (ITEM #P62).
- ROUTE 1" CW & 3/4" HW DN IN WALL TO BELOW COUNTER SERVING GLASS RINSER (ITEM #P60)(x2), CARBONATOR (ITEM #P58)(x3) & HOSE BIBB (ITEM #P33). PROVIDE CARBONATORS WITH WATTS #LF009QTS BACKFLOW PREVENTER.
- 3/4" CW DN IN WALL SERVING CARBONATOR (ITEM #P58)(x3). PROVIDE CARBONATORS WITH WATTS #LF009QTS BACKFLOW PREVENTER.
- ROUTE 3/4" CW DN IN WALL TO CARBONATOR (ITEM #P56) & ICE MAKER (ITEM #P57). PROVIDE CARBONATOR WITH WATTS #LF009QTS BACKFLOW PREVENTER. PROVIDE ICE MAKER WITH A WATTS #9D DUAL CHECK VALVE.



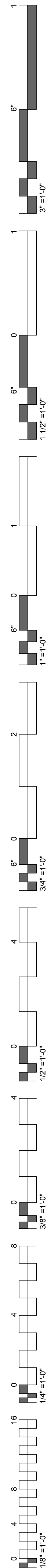
1 PLUMBING FOOD SERVICE WATER & GAS PLAN - CASINO BAR & EDR  
1/4" = 1'-0"



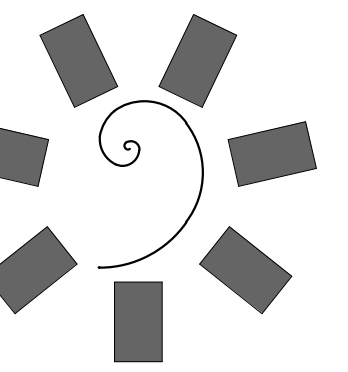
3 PLUMBING FOOD SERVICE WATER & GAS PLAN - COMP. BEVE. SOUTH  
1/4" = 1'-0"



2 PLUMBING FOOD SERVICE WATER & GAS PLAN - COMP. BEVE. NORTH  
1/4" = 1'-0"

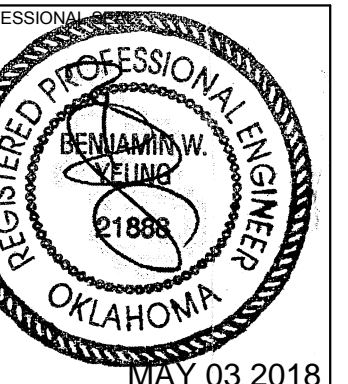




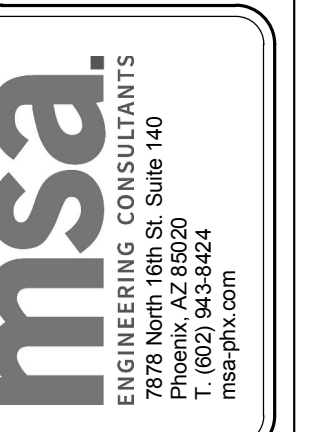


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TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:  
BID PACKAGE 05

REVISIONS	
#	DESCRIPTION

DATE: 05/03/18  
JOB NUMBER: 17-06

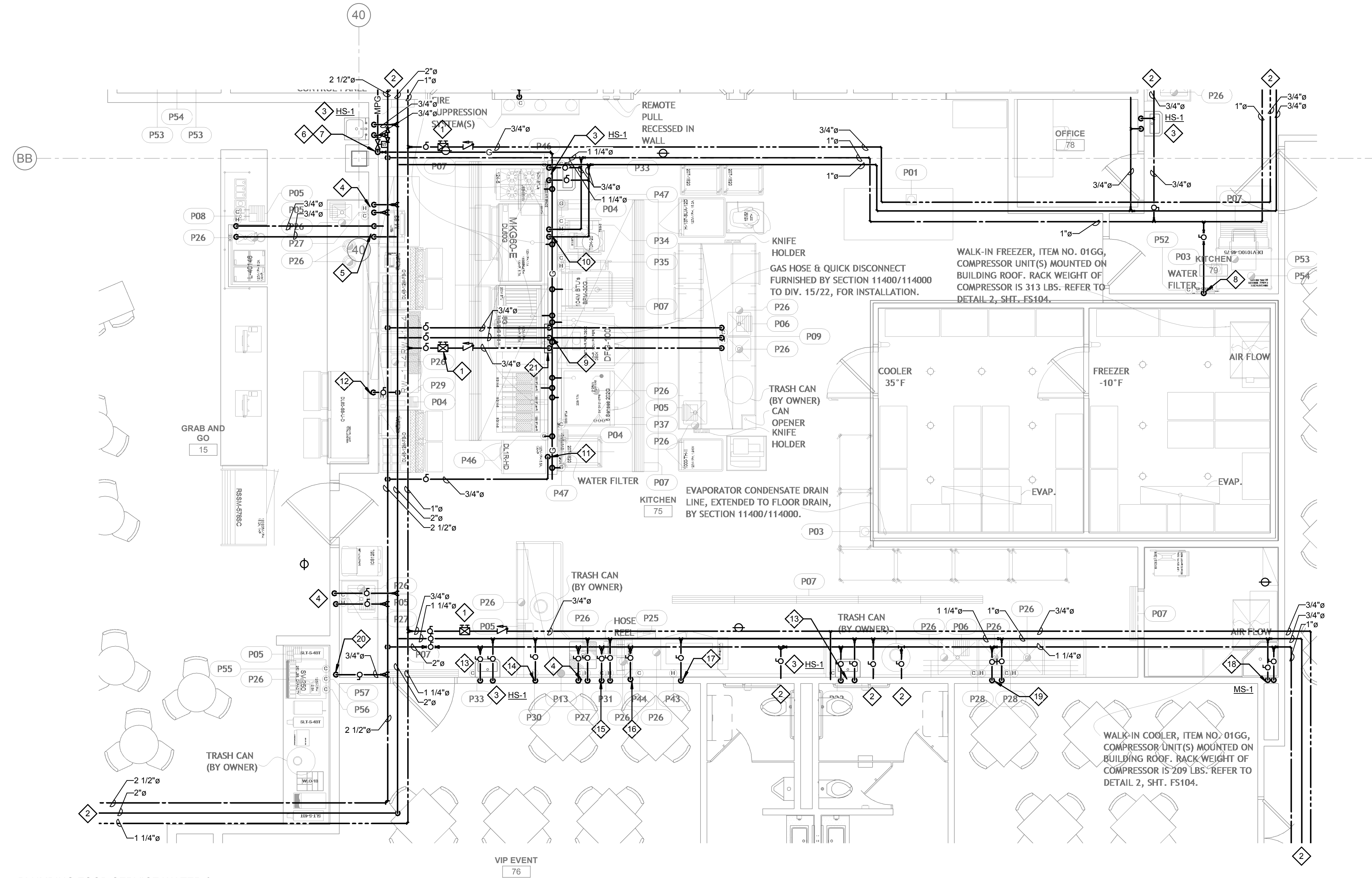
SHEET NUMBER:  
**PFS.107**  
PLUMBING FOOD SERVICE WATER & GAS PLAN - GRAB-N-GO KITCHEN

**GENERAL NOTES:**

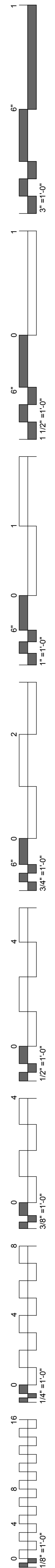
1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
9. PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.
11. WHERE APPLICABLE, WATER SUPPLY TO CARBONATORS AND COFFEE MACHINES TO BE PROVIDED WITH A WATTS #LF009QTS BACKFLOW PREVENTER. ICE MACHINES TO BE PROVIDED WITH A WATTS #9D DUAL CHECK VALVE.
12. REFER TO KITCHEN DRAWINGS FOR ITEM NUMBERS.
13. REFER TO KITCHEN DOCUMENTS FOR ADDITIONAL FIXTURES NEEDING WATER SUPPLY OR DRAIN CONNECTIONS NOT SHOWN HERE. SUBMIT AN RFI DURING BID PROCESS FOR CLARIFICATION IF REQUIRED.

◆ **SHEET NOTES:**

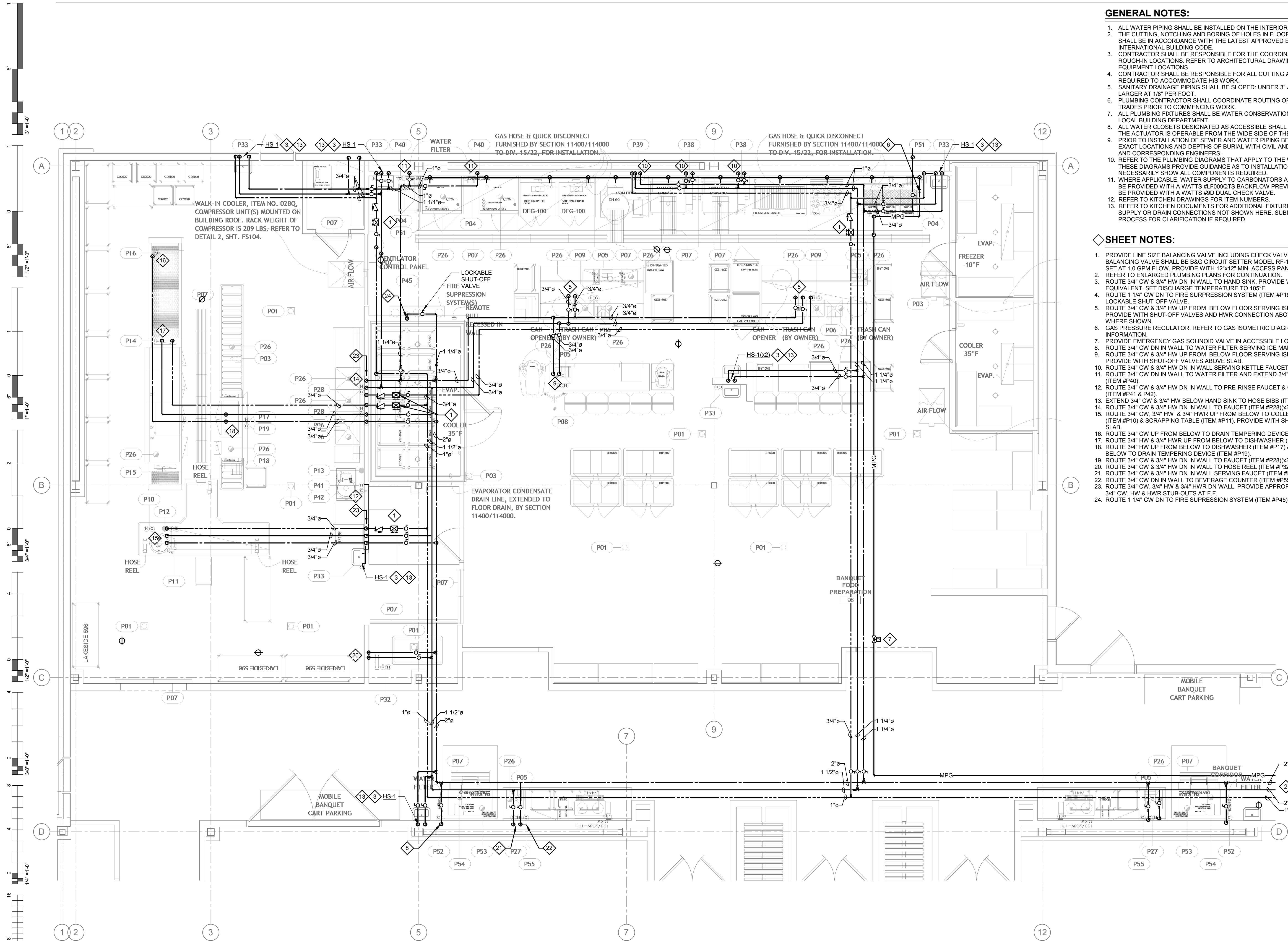
1. PROVIDE LINE SIZE BALANCING VALVE INCLUDING CHECK VALVE AND BALL VALVE. BALANCING VALVE SHALL BE B&G CIRCUIT SETTER MODEL RF-1/2S LF OR EQUIVALENT SET AT 1.0 GPM FLOW. PROVIDE WITH 12"x12" MIN. ACCESS PANEL WHERE REQUIRED.
2. REFER TO ENLARGED PLUMBING PLANS FOR CONTINUATION.
3. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO HAND SINK. PROVIDE WITH SYMMONS 7-102 OR EQUIVALENT. SET DISCHARGE TEMPERATURE TO 105°F.
4. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO FAUCET (ITEM #P27).
5. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO BELOW FLOOR SERVING ISLAND FAUCET (ITEM #P08).
6. GAS PRESSURE REGULATOR. REFER TO GAS ISOMETRIC DIAGRAM FURTHER INFORMATION.
7. PROVIDE EMERGENCY GAS SOLINOID VALVE IN ACCESSIBLE LOCATION.
8. ROUTE 3/4" CW DN IN WALL TO WATER FILTER SERVING ICE MAKER (ITEM #52).
9. ROUTE 3/4" CW, 3/4" HW & 3/4" HWR DN IN WALL TO BELOW FLOOR SERVING ISLAND FAUCET (ITEM #P09).
10. ROUTE 3/4" CW & 3/4" HW DN IN WALL SERVING KETTLE FAUCET (ITEM #P34) & TILTING SKILLET FAUCET (ITEM #P35).
11. ROUTE 3/4" CW DN IN WALL TO WATER FILTER AND EXTEND 3/4" CW TO COMBI OVEN (ITEM #P37).
12. ROUTE 3/4" HW DN IN WALL TO CHEFS COUNTER (ITEM #P29).
13. EXTEND 3/4" CW & 3/4" HW BELOW HAND SINK TO HOSE BIBB (ITEM #P33).
14. ROUTE 3/4" HW DN IN WALL TO FAUCET (ITEM #P30).
15. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO HOSE REEL (ITEM #P31).
16. ROUTE 3/4" CW DN IN WALL TO DRAIN TEMPERING DEVICE (ITEM #P44).
17. ROUTE 3/4" HW DN IN WALL TO DISHWASHER (ITEM #P43).
18. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO MS-1.
19. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO FAUCET (ITEM #P28)(x2).
20. ROUTE 3/4" CW DN IN WALL TO BEVERAGE COUNTER (ITEM #55), CARBONATOR (ITEM #56) & ICE MAKER (ITEM #57). PROVIDE CARBONATOR WITH WATTS #LF009QTS BACKFLOW PREVENTER. PROVIDE ICE MAKER WITH A WATTS #9D DUAL CHECK VALVE.
21. ROUTE 3/4" CW, 3/4" HW & 3/4" HWR DN WALL. PROVIDE APPROPRIATE CONNECTIONS TO 3/4" CW, HW & HWR STUB-OUTS AT F.F.



1 PLUMBING FOOD SERVICE WATER & GAS PLAN - GRAB-N-GO KITCHEN  
1/4" = 1'-0"



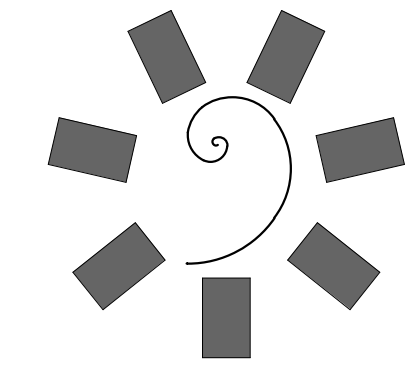




- GENERAL NOTES:**
1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
  2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
  4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
  5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
  6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
  7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
  8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
  9. PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
  10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.
  11. WHERE APPLICABLE, WATER SUPPLY TO CARBONATORS AND COFFEE MACHINES TO BE PROVIDED WITH A WATTS #LF090TS BACKFLOW PREVENTER. ICE MACHINES TO BE PROVIDED WITH A WATTS #9D DUAL CHECK VALVE.
  12. REFER TO KITCHEN DRAWINGS FOR ITEM NUMBERS.
  13. REFER TO KITCHEN DOCUMENTS FOR ADDITIONAL FIXTURES NEEDING WATER SUPPLY OR DRAIN CONNECTIONS NOT SHOWN HERE. SUBMIT AN RFI DURING BID PROCESS FOR CLARIFICATION IF REQUIRED.

- SHEET NOTES:**
1. PROVIDE LINE SIZE BALANCING VALVE INCLUDING CHECK VALVE AND BALL VALVE. BALANCING VALVE SHALL BE B&G CIRCUIT SETTER MODEL RF-12S LF OR EQUIVALENT SET AT 1.0 GPM FLOW. PROVIDE WITH 12"x12" MIN. ACCESS PANEL WHERE REQUIRED.
  2. REFER TO ENLARGED PLUMBING PLANS FOR CONTINUATION.
  3. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO HAND SINK. PROVIDE WITH SYMMONS 7-102 OR EQUIVALENT. SET DISCHARGE TEMPERATURE TO 105°F.
  4. ROUTE 1 1/4" CW DN TO FIRE SUPPRESSION SYSTEM (ITEM #P18). PROVIDE WITH LOCKABLE SHUT-OFF VALVE.
  5. ROUTE 3/4" CW & 3/4" HW UP FROM BELOW FLOOR SERVING ISLAND FAUCET (ITEM #P09). PROVIDE WITH SHUT-OFF VALVES AND HWR CONNECTION ABOVE SLAB AT LAST FIXTURE WHERE SHOWN.
  6. GAS PRESSURE REGULATOR. REFER TO GAS ISOMETRIC DIAGRAM FURTHER INFORMATION.
  7. PROVIDE EMERGENCY GAS SOLINOID VALVE IN ACCESSIBLE LOCATION.
  8. ROUTE 3/4" CW DN IN WALL TO WATER FILTER SERVING ICE MAKER (ITEM #52).
  9. ROUTE 3/4" CW & 3/4" HW UP FROM BELOW FLOOR SERVING ISLAND FAUCET (ITEM #P08). PROVIDE WITH SHUT-OFF VALVES ABOVE SLAB.
  10. ROUTE 3/4" CW & 3/4" HW DN IN WALL SERVING KETTLE FAUCET (ITEM #P38).
  11. ROUTE 3/4" CW DN IN WALL TO WATER FILTER AND EXTEND 3/4" CW TO COMBI OVEN (ITEM #P40).
  12. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO PRE-RINSE FAUCET & COLLECTOR (ITEM #P41 & P42).
  13. EXTEND 3/4" CW & 3/4" HW BELOW HAND SINK TO HOSE BIBB (ITEM #P33).
  14. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO FAUCET (ITEM #P28)(x2).
  15. ROUTE 3/4" CW, 3/4" HW & 3/4" HWR UP FROM BELOW TO COLLECTOR AND TROUGH (ITEM #P10) & SCRAPPING TABLE (ITEM #P11). PROVIDE WITH SHUT-OFF VALVES ABOVE SLAB.
  16. ROUTE 3/4" CW UP FROM BELOW TO DRAIN TEMPERING DEVICE (ITEM #P16).
  17. ROUTE 3/4" HW & 3/4" HWR UP FROM BELOW TO DISHWASHER (ITEM #P14).
  18. ROUTE 3/4" HW UP FROM BELOW TO DISHWASHER (ITEM #P17) & ROUTE 3/4" CW UP FROM BELOW TO DRAIN TEMPERING DEVICE (ITEM #P19).
  19. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO FAUCET (ITEM #P28)(x2).
  20. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO HOSE REEL (ITEM #P32).
  21. ROUTE 3/4" CW & 3/4" HW DN IN WALL SERVING FAUCET (ITEM #P27).
  22. ROUTE 3/4" CW DN IN WALL TO BEVERAGE COUNTER (ITEM #P55).
  23. ROUTE 3/4" CW, 3/4" HW & 3/4" HWR DN WALL. PROVIDE APPROPRIATE CONNECTIONS TO 3/4" CW, HW & HWR STUB-OUTS AT F.F.
  24. ROUTE 1 1/4" CW DN TO FIRE SUPPRESSION SYSTEM (ITEM #P45).

PLUMBING FOOD SERVICE WATER & GAS PLAN - BANQUET KITCHEN  
1/4" = 1'-0"



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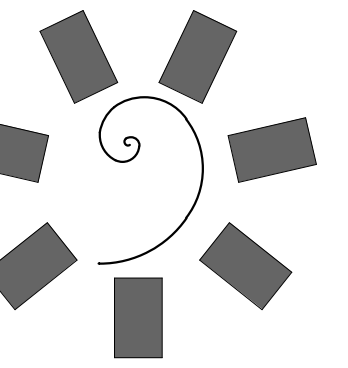
CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:  
BID PACKAGE 05

REVISIONS	
#	DESCRIPTION

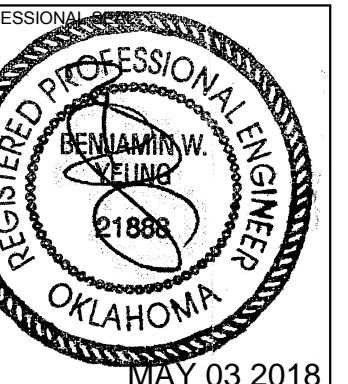
DATE: 05/03/18 JOB NUMBER: 17-06

SHEET NUMBER:  
**PFS.108**  
PLUMBING FOOD SERVICE WATER & GAS PLAN - BANQUET KITCHEN

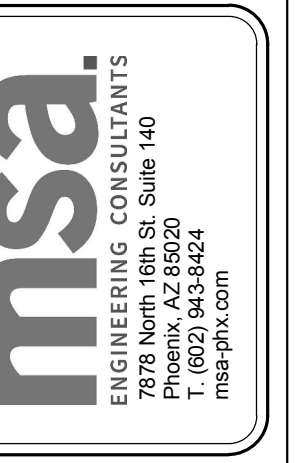


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CHEROKEE NATION ENTERTAINMENT  
TAHLEQUAH CASINO  
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:

BID PACKAGE 05

#	DATE	REVISIONS DESCRIPTION

DATE: 05/03/18 JOB NUMBER: 17-06

SHEET NUMBER:

PFS.109

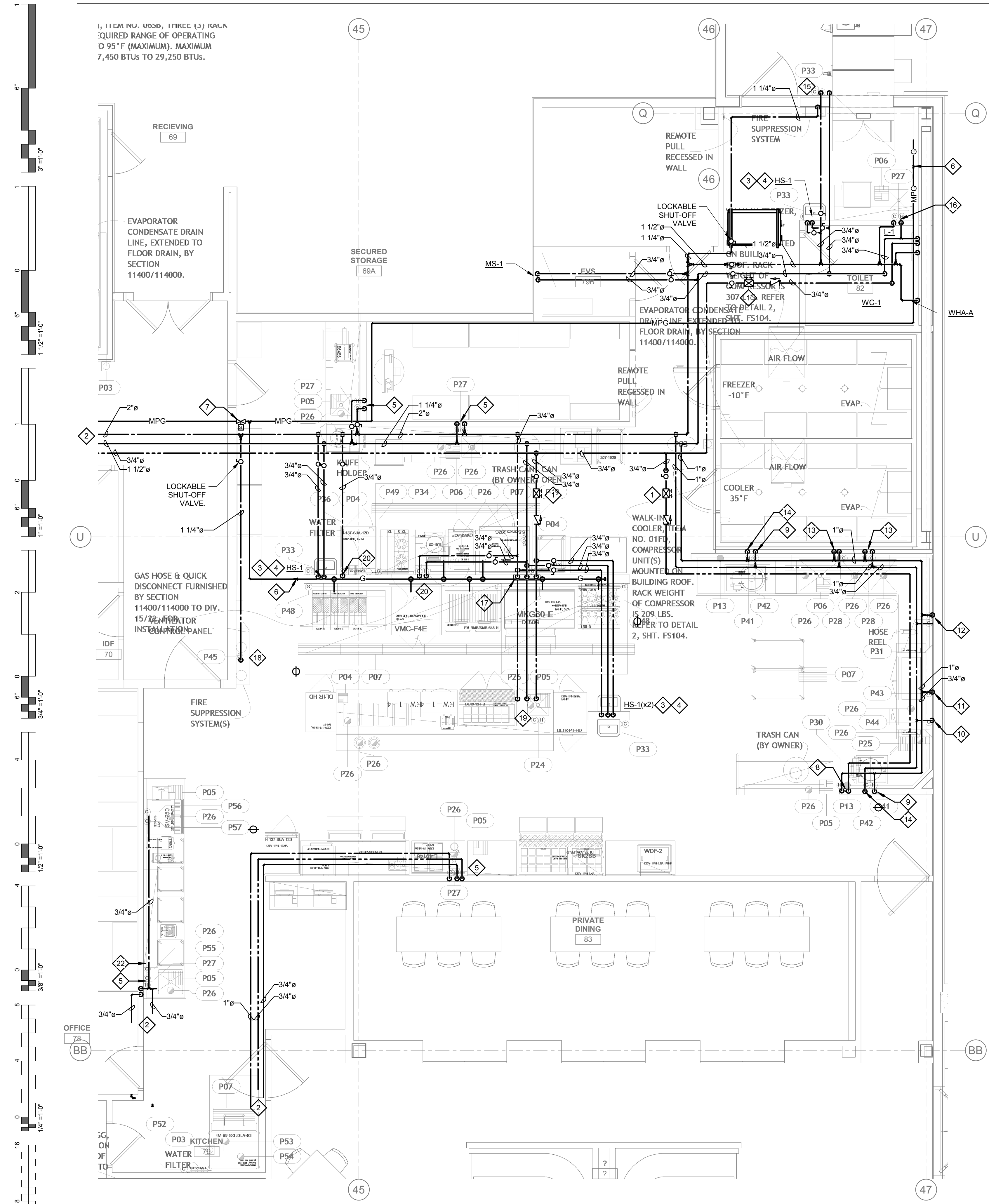
PLUMBING FOOD SERVICE WATER & GAS PLAN - FINE DINING

GENERAL NOTES:

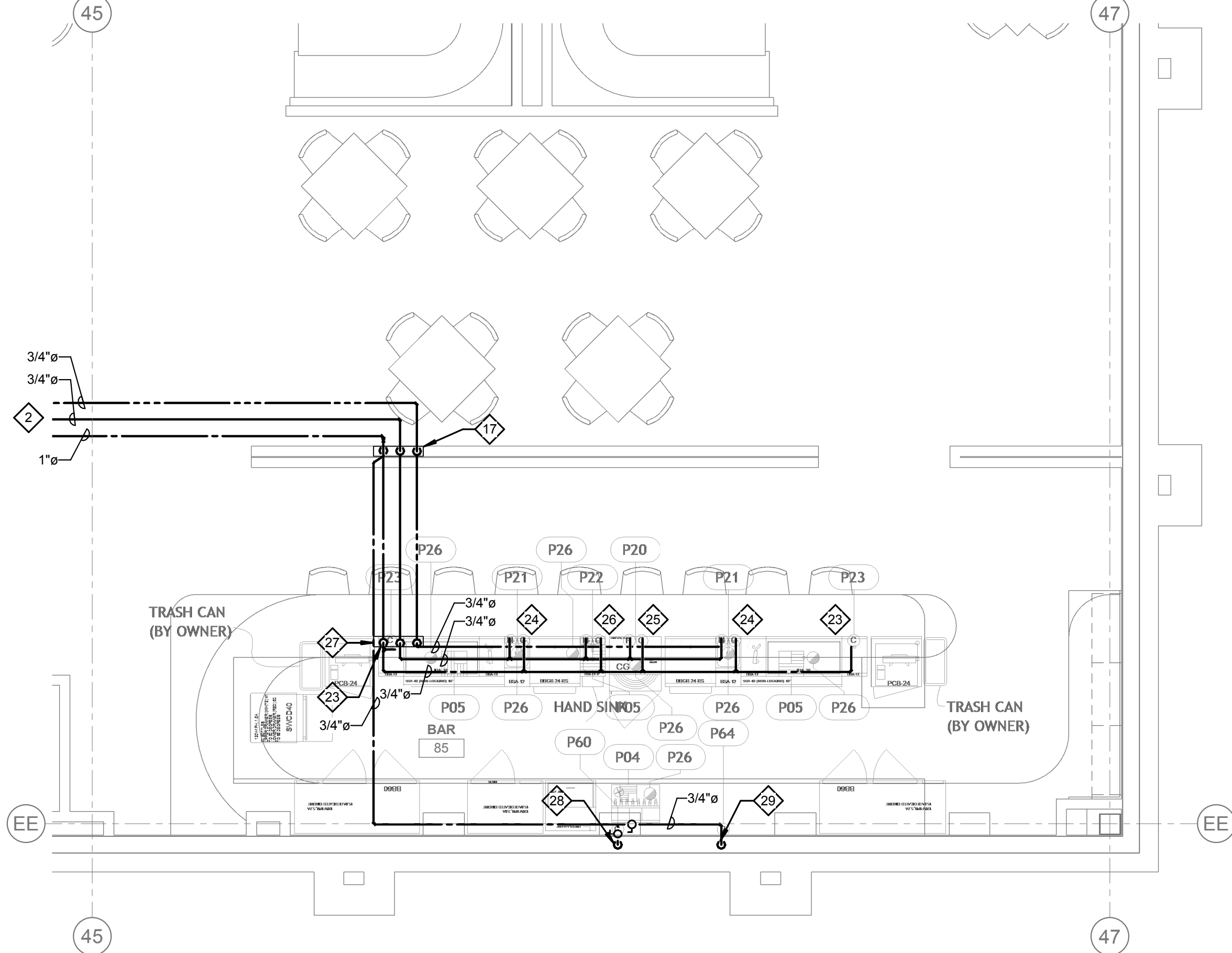
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- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
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- SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
- PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
- ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
- ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
- PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
- REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.
- WHERE APPLICABLE, WATER SUPPLY TO CARBONATORS AND COFFEE MACHINES TO BE PROVIDED WITH A WATTS #LF0090TS BACKFLOW PREVENTER. ICE MACHINES TO BE PROVIDED WITH A WATTS #90 DUAL CHECK VALVE.
- REFER TO KITCHEN DRAWINGS FOR ITEM NUMBERS.
- REFER TO KITCHEN DOCUMENTS FOR ADDITIONAL FIXTURES NEEDING WATER SUPPLY OR DRAIN CONNECTIONS NOT SHOWN HERE. SUBMIT AN RFI DURING BID PROCESS FOR CLARIFICATION IF REQUIRED.

SHEET NOTES:

- PROVIDE LINE SIZE BALANCING VALVE INCLUDING CHECK VALVE AND BALL VALVE. BALANCING VALVE SHALL BE B&G CIRCUIT SETTER MODEL RF-1/2S LF OR EQUIVALENT SET AT 1.0 GPM FLOW. PROVIDE WITH 12"x12" MIN. ACCESS PANEL WHERE REQUIRED.
- REFER TO ENLARGED PLUMBING PLANS FOR CONTINUATION.
- ROUTE 3/4" CW & 3/4" HW DN IN WALL. PROVIDE WITH SYMMONS 7-102 OR EQUIVALENT. SET DISCHARGE TEMPERATURE TO 105°F.
- EXTEND 3/4" CW & 3/4" HW BELOW HAND SINK TO HOSE BIBB (ITEM #P33).
- ROUTE 3/4" CW, 3/4" HW & 3/4" HWR DN IN WALL TO FAUCET (ITEM #P27).
- GAS PRESSURE REGULATOR. REFER TO GAS ISOMETRIC DIAGRAM FURTHER INFORMATION.
- PROVIDE EMERGENCY GAS SOLINOID VALVE IN ACCESSIBLE LOCATION.
- ROUTE 3/4" HW & 3/4" HWR DN IN WALL TO FAUCET (ITEM #P30).
- ROUTE 3/4" HW DN IN WALL TO PRE-RINSE FAUCET AND COLLECTOR (ITEM #P41).
- ROUTE 3/4" CW DN IN WALL TO DRAIN TEMPERING DEVICE (ITEM #P44).
- ROUTE 3/4" HW DN IN WALL TO DISHWASHER (ITEM #P43).
- ROUTE 3/4" CW & 3/4" HW DN IN WALL TO HOSE REEL (ITEM #P31).
- ROUTE 3/4" CW & 3/4" HWR DN IN WALL TO FAUCET (ITEM #P28).
- ROUTE 3/4" CW DN IN WALL TO PRE-RINSE FAUCET AND COLLECTOR (ITEM #P42).
- ROUTE 3/4" CW & 3/4" HW DN IN WALL TO HOSE BIBB (ITEM #P33).
- ROUTE 3/4" CW & 3/4" HW DN IN WALL TO FAUCET (ITEM #P27).
- ROUTE 3/4" CW, 3/4" HW & 3/4" HWR DN WALL. PROVIDE APPROPRIATE CONNECTIONS TO 3/4" CW, HW & HWR STUB-OUTS AT F.F.
- ROUTE 1 1/4" CW TO FIRE SUPPRESSION SYSTEM.
- ROUTE 3/4" HW & 3/4" HWR UP FROM BELOW TO SERVING COUNTER (ITEM #P24). PROVIDE WITH SHUT-OFF VALVES ABOVE SLAB.
- ROUTE 3/4" CW DN IN WALL TO WATER FILTER AND EXTEND 3/4" CW TO STEAMER (ITEM #P36).
- ROUTE 3/4" CW & 3/4" HW DN IN WALL TO DRAIN SERVING KETTLE FAUCET (ITEM #P34).
- ROUTE 3/4" CW DN IN WALL TO BEVERAGE COUNTER.
- ROUTE 3/4" CW BELOW COUNTER TO CARBONATOR (ITEM #P23). PROVIDE CARBONATOR WITH WATTS #LF0090TS BACKFLOW PREVENTER.
- ROUTE 3/4" CW & 3/4" HW BELOW COUNTER TO FAUCET (ITEM #P21).
- ROUTE 3/4" CW & 3/4" HW BELOW COUNTER TO GLASS WASHER (ITEM #P20).
- ROUTE 3/4" CW & 3/4" HW BELOW COUNTER TO HAND SINK (ITEM #P22). PROVIDE WITH SYMMONS 7-102 OR EQUIVALENT. SET DISCHARGE TEMPERATURE TO 105°F.
- PROVIDE APPROPRIATE CONNECTIONS TO 3/4" CW, HW & HWR STUB-OUTS AT F.F. ROUTE 3/4" CW, 3/4" HW & 3/4" TO FIXTURES BELOW COUNTER.
- ROUTE 3/4" CW DN IN WALL TO GLASS RINSER (ITEM #P60).
- ROUTE 3/4" CW DN IN WALL TO BACK BAR (ITEM #P64).



1 PLUMBING FOOD SERVICE WATER & GAS PLAN - FINE DINING  
1/4" = 1'-0"



2 PLUMBING FOOD SERVICE WATER & GAS PLAN - FINE DINING BAR  
1/4" = 1'-0"