

PLUMBING SYMBOL LIST

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

---X---	ITEM TO BE REMOVED	---RD---	ROOF DRAIN PIPING
◆	POINT OF CONNECTION/DISCONNECTION	---AV---	ACID VENT PIPING
◆	SHEET NOTE	---AW---	ABOVE GROUND ACID WASTE PIPING
◆	REVISION NUMBER	---AW---	UNDERGROUND ACID WASTE PIPING
◆	EQUIPMENT MARK	---WP---	VENT PIPING
◆	ACCESS PANEL	---AW---	ABOVE GROUND WASTE PIPING
◆	CLEAN OUT	---GW---	ABOVE GROUND GREASE WASTE PIPING
◆	FLOOR CLEAN OUT	---GW---	UNDERGROUND GREASE WASTE PIPING
◆	WALL CLEAN OUT	---GW---	ABOVE GROUND GREASE WASTE PIPING
◆	FLOOR CLEAN OUT	---GW---	UNDERGROUND GREASE WASTE PIPING
◆	GRADE CLEAN OUT	---GW---	ABOVE GROUND GREASE WASTE PIPING
◆	FLOOR DRAIN	---GW---	UNDERGROUND GREASE WASTE PIPING
◆	FLOOR SINK	---GW---	ABOVE GROUND GREASE WASTE PIPING
◆	FLOOR SINK W/ GRATE	---GW---	UNDERGROUND GREASE WASTE PIPING
◆	ROOF DRAIN	---RD---	ROOF DRAIN PIPING
◆	OVERFLOW ROOF DRAIN	---RD---	ROOF DRAIN PIPING
◆	VENT THRU ROOF	---RD---	ROOF DRAIN PIPING
◆	GAS REGULATOR	---RD---	ROOF DRAIN PIPING
◆	GAS SWITCH	---RD---	ROOF DRAIN PIPING
◆	WATER METER	---RD---	ROOF DRAIN PIPING
◆	WATER HAMMER ARRESTOR	---RD---	ROOF DRAIN PIPING
◆	SHUT-OFF VALVE IN IRRIGATION BOX	---RD---	ROOF DRAIN PIPING
◆	BACKFLOW PREVENTION STATION	---RD---	ROOF DRAIN PIPING
◆	HOSE BIBB	---RD---	ROOF DRAIN PIPING
◆	COMPRESSED AIR LINES	---RD---	ROOF DRAIN PIPING
◆	CONDENSATE DRAIN PIPING	---RD---	ROOF DRAIN PIPING
◆	PUMPED CONDENSATE DRAIN PIPING	---RD---	ROOF DRAIN PIPING
◆	DRAIN PIPING	---RD---	ROOF DRAIN PIPING
◆	COLD WATER PIPING	---RD---	ROOF DRAIN PIPING
◆	INDUSTRIAL COLD WATER PIPING	---RD---	ROOF DRAIN PIPING
◆	INDUSTRIAL SOFTENED COLD WATER PIPING	---RD---	ROOF DRAIN PIPING
◆	SOFTENED COLD WATER PIPING	---RD---	ROOF DRAIN PIPING
◆	FIRE PROTECTION PIPING	---RD---	ROOF DRAIN PIPING
◆	HIGH PRESSURE GAS PIPING	---RD---	ROOF DRAIN PIPING
◆	LOW PRESSURE GAS PIPING	---RD---	ROOF DRAIN PIPING
◆	MEDIUM PRESSURE GAS PIPING	---RD---	ROOF DRAIN PIPING
◆	GAS VENT PIPING	---RD---	ROOF DRAIN PIPING
◆	HOT WATER PIPING	---RD---	ROOF DRAIN PIPING
◆	140° HOT WATER PIPING	---RD---	ROOF DRAIN PIPING
◆	HOT WATER RETURN PIPING	---RD---	ROOF DRAIN PIPING
◆	TEMPERED WATER PIPING	---RD---	ROOF DRAIN PIPING
◆	OVERFLOW ROOF DRAIN PIPING	---RD---	ROOF DRAIN PIPING

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	PO	PRESSURE DROP
ADC	AUTOMATIC CONTROL DAMPER	GI	GREASE INTERCEPTOR	PRV	PRESSURE REDUCING VALVE
AFF	ABOVE FINISHED FLOOR	GPF	GALLONS PER FLUSH	PSI	POUNDS PER SQUARE INCH
AP	ACCESS PANEL	GRM	GALLONS PER MINUTE	PSIA	POUNDS PER SQUARE INCH ABSOLUTE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS	GS	GREASE WASTE	PSIG	POUNDS PER SQUARE INCH GAUGE
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	HD	HEAD	RL	EXISTING TO BE RELOCATED
AV	ACID VENT	HP	HORSEPOWER	RM	RETURN AIR
AW	ABOVE GROUND WASTE PIPING	HPG	HIGH PRESSURE GAS	RH	RELATIVE HUMIDITY
BFD	BACKFLOW PREVENTION DEVICE	HSPF	HEATING SEASONAL PERFORMANCE FACTOR	RLS	REFRIGERANT LIQUID SUCTION
BTUH	BRITISH THERMAL UNIT PER HOUR	HW	HOT WATER	RPM	REVOLUTIONS PER MINUTE
CD	CONDENSATE DRAIN	HWR	HEATING HOT WATER RETURN	RPPA	REDUCED PRESSURE PRINCIPAL ASSEMBLY
CFM	CUBIC FEET PER MINUTE	HWS	HEATING HOT WATER SUPPLY	RVD	REMOTE VOLUME DAMPER
CHR	CHILLED WATER RETURN	IBC	INTERNATIONAL BUILDING CODE	SA	SUPPLY AIR
CHS	CHILLED WATER SUPPLY	IEC	INVERT ELEVATION	SD	SMOKE DAMPER
CI	CLEANOUT	IMC	INTERNATIONAL MECHANICAL CODE	SEER	SEASONAL ENERGY EFFICIENCY RATIO
CR	CONDENSER WATER RETURN	IPC	INTERNATIONAL PLUMBING CODE	SOI	SAND IOL INTERCEPTOR
CS	CONDENSER WATER SUPPLY	KW	KILOWATT	SP	STATIC PRESSURE (INCHES OF W.C.) SPECIFICATIONS
CW	COLD WATER	LAT	LEAVING AIR TEMPERATURE	SS	SQUARE
D	DRAIN	LBS	POUNDS	SSJ	SQUARE FEET
DB	DRY BULB TEMPERATURE	LWT	LEAVING WATER TEMPERATURE	ST	STAINLESS STEEL
DDC	DIRECT DIGITAL CONTROL	M	MAXIMUM	T	TEMPERATURE
DIA	DIAMETER	MBH	ONE THOUSAND BTUH	TAB	TEST AND BALANCE REPORT
DN	DOWN	MIN	MINIMUM	TSP	TOTAL STATIC PRESSURE
DX	DIRECT EXPANSION	MOC	MAXIMUM OVERCURRENT PROTECTION	TW	TEMPERED WATER
E	EXISTING TO REMAIN	MPG	MEDIUM PRESSURE GAS	UBC	UNIFORM BUILDING CODE
EA	EXHAUST AIR	MVD	MANUAL VOLUME DAMPER	UMC	UNIFORM MECHANICAL CODE
EAT	ENTERING AIR TEMPERATURE	NA	NOT APPLICABLE	UON	UNLESS OTHERWISE NOTED
EC	ELECTRICAL CONTRACTOR	NC	NORMALLY CLOSED	UPC	UNIFORM PLUMBING CODE
EER	ENERGY EFFICIENCY RATIO	NEIB	NATIONAL ENVIRONMENTAL BALANCING BUREAU	V	VENT
EFF	EFFICIENCY	NEC	NATIONAL ELECTRICAL CODE	VPHHZ	VOLTAGE PHASE/HERTZ
ELEC	ELECTRICAL	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	WB	WET BULB TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE	NIC	NOT IN CONTRACT	WTR	WENT THROUGH ROOF
EWT	ENTERING WATER TEMPERATURE	NO	NORMALLY OPEN	WG	WATER GAUGE
F	FAHRENHEIT	NTS	NOT TO SCALE	WMS	WIRE MESH SCREEN
FCO	FLOOR CLEANOUT	OA	OUTSIDE AIR	(X)	EXISTING TO BE REMOVED
FD	FIRE DAMPER	OAT	OUTSIDE AIR TEMPERATURE		
FPM	FEET PER MINUTE	OB	OPPOSED BLADE DAMPER		
FSD	FIRE / SMOKE DAMPER	OED	OPEN END DUCT		
G	GAS	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED		
GA	GAS OR GAUGE				
GAL	GALLONS				

PLUMBING - DRAWING INDEX

SHEET NUMBER	SHEET NAME	0003/18 - BID PACKAGE 06	0022/18 - ADDENDUM 10	0001/18 - ADDENDUM 11	07/20/18 - ADDENDUM 17	MM.DD.YYYY
P0.1	PLUMBING ABBREVIATIONS AND SYMBOLS LIST	X	X	X	X	
P0.2	PLUMBING SPECIFICATIONS	X	X	X	X	
P0.3	PLUMBING SCHEDULES	X	X	X	X	
P0.5	PLUMBING DIAGRAMS	X	X	X	X	
P0.6	GAS ISOMETRIC DIAGRAM	X	X	X	X	
P1.0	PLUMBING OVERALL FLOOR PLAN	X	X	X	X	
P1.1	PLUMBING ENLARGED FLOOR PLAN - GAMING	X	X	X	X	
P1.01	PLUMBING SITE PLAN	X	X	X	X	
P1.2	PLUMBING ENLARGED FLOOR PLAN - SOUTH	X	X	X	X	
P1.3	PLUMBING ENLARGED FLOOR PLAN - BOH	X	X	X	X	
P1.4	PLUMBING ENLARGED FLOOR PLAN - BANQUET BOH	X	X	X	X	
P1.5	PLUMBING ENLARGED FLOOR PLAN - NORTH	X	X	X	X	
P1.6	PLUMBING ENLARGED PLANS - WATER & GAS	X	X	X	X	
P1.7	PLUMBING ENLARGED PLANS - WATER & GAS	X	X	X	X	
P1.8	PLUMBING ENLARGED PLANS - DW & V	X	X	X	X	
P1.9	PLUMBING ENLARGED PLANS - DW & V	X	X	X	X	
P6.1	PLUMBING ROOF PLAN	X	X	X	X	
PFS.101	PLUMBING FOOD SERVICE WASTE & VENT PLAN - CASINO BAR & EDR	X	X	X	X	
PFS.102	PLUMBING FOOD SERVICE WASTE & VENT PLAN - GRAB-N-GO KITCHEN	X	X	X	X	
PFS.103	PLUMBING FOOD SERVICE WASTE & VENT PLAN - BANQUET KITCHEN	X	X	X	X	
PFS.104	PLUMBING FOOD SERVICE WASTE & VENT PLAN - WAREHOUSE	X	X	X	X	
PFS.105	PLUMBING FOOD SERVICE WASTE & VENT PLAN - FINE DINING	X	X	X	X	
PFS.106	PLUMBING FOOD SERVICE WATER & GAS PLAN - CASINO BAR & EDR	X	X	X	X	
PFS.107	PLUMBING FOOD SERVICE WATER & GAS PLAN - GRAB-N-GO KITCHEN	X	X	X	X	
PFS.108	PLUMBING FOOD SERVICE WATER & GAS PLAN - BANQUET KITCHEN	X	X	X	X	
PFS.109	PLUMBING FOOD SERVICE WATER & GAS PLAN - FINE DINING	X	X	X	X	
TOTAL 26						



James R. Childers
Architect, Inc.
45 South 4th Street
Fort Smith, AR 72701
479-783-2442
www.jrchildersarchitect.com



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CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT NAME
BID PACKAGE 05

DATE	05/03/18	JOB NUMBER	17-06
DESIGNER			
CHECKER			
DATE			
DESIGNER			
CHECKER			

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

PROJECT NAME:
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"	15 - 32
C	1"	33 - 60
D	1"	61 - 115
E	1"	116 - 164
F	1"	165 - 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 #2234.011EC, 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 FLUSHMETER, 1.28 GPF, PROVIDE SUPPORT CARRIER BY J.R. 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 #2234.011EC, 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 FLUSHMETER, 1.28 GPF, PROVIDE SUPPORT CARRIER BY J.R. 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 #2042.001EC, 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 #2042.001EC, 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 #EP100, SENSOR OPERATED, BATTERY POWERED, 0.5 GPM, CHROME PLATED FINISH, LOOSE KEY STOPS, BRASS 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 #EP100, SENSOR OPERATED, BATTERY POWERED, 0.5 GPM, CHROME PLATED FINISH, LOOSE KEY STOPS, BRASS 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-GN1A35-317AB, 1.5 GPM AERATOR, 4" VANDAL PROOF WRISTBLADE HANDLE, WALL MOUNTED, GOOSENECK SPOUT.
MS-1	MOP SINK - FIAT MSB-3624, 3073X4" FLOOR MOUNT, POLYMER CONSTRUCTION, 832-44 HOSE AND BRACKET, 880-CC MOP HANGER, E-77AA VINYL RIM GUARDS, SYMONS S-2400-CHKS 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, 12" DIAMETER NICKEL BRONZE SQUARE HOLE GRATE, INTEGRAL FLASHING FLANGE, PROVIDE WITH TRAP GUARD.
FD-2	FLOOR DRAIN - FOR CASINO AREA UNDER RAISED FLOOR, J.R. SMITH #2130, SHALLOW DRAIN, 12" DIAMETER ROUND TOP, DRAIN BODY AND FLASHING COLLAR WITH CAST IRON BAR GRATE, MEDIUM DUTY, PROVIDE WITH TRAP GUARD.
FS-1	FLOOR SINK - ZURN MODEL 2190D 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 1092 CERTIFIED DOUBLE CHECK VALVE BACKFLOW PREVENTER (FIELD TESTABLE), ROOF DECK SLEEVE / SUPPORT WITH UNDERDECK CLAMP AND RAIN BOOT.
TD-1	TRENCH DRAIN - MIFAB MODEL #P035-20, 3" W x DESIRED LENGTH, CENTERED BOTTOM OUTLET WITH STAINLESS STEEL BODY AND GRATE, PROVIDE WITH SLIP RESISTANT GRATE, PROVIDE WITH TRAP GUARD.
TD-2	TRENCH DRAIN - MIFAB MODEL #P060-SBG, 4" W x DESIRED LENGTH, CENTERED BOTTOM OUTLET WITH STAINLESS STEEL BODY AND GRATE, PROVIDE WITH STAINLESS STEEL BAR GRATE, PROVIDE WITH TRAP GUARD.
DSN-1	DOWNSPOUT NOZZLE - ZURN 2199-D2, STAINLESS STEEL FRAME WITH SECURED PERFORATED S.S. HINGED STRAINER.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	C.W.	TW	HW	V	SIW	TRAP	REMARKS
WC-1	WATER CLOSET	1	-	-	-	-	-	WALL MOUNT - ACCESSIBLE
WC-2	WATER CLOSET	1	-	-	-	-	-	WALL MOUNT
U-1	URINAL	34	-	-	2	2	-	WALL HUNG - ACCESSIBLE
U-2	URINAL	34	-	-	2	2	-	WALL HUNG
L-1	LAVATORY	12	-	1/2	1 1/2	2	1 1/4 X 1 1/2	COUNTER
L-2	LAVATORY	12	-	1/2	1 1/2	2	-	UNDER MOUNT
HS-1	HAND SINK	12	-	1/2	1 1/2	2	-	WALL MOUNTED
MS-1	MOP SINK	34	-	-	3	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	34	-	-	-	-	-	FREEZE PROOF RECESSED WALL BOX
HB-2	HOSE BIBB	34	-	-	-	-	-	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 INTEGRAL STOPS. REFER TO PLANS FOR TEMPERED/HOT WATER LOCATIONS.

WATER SOFTENER SCHEDULE

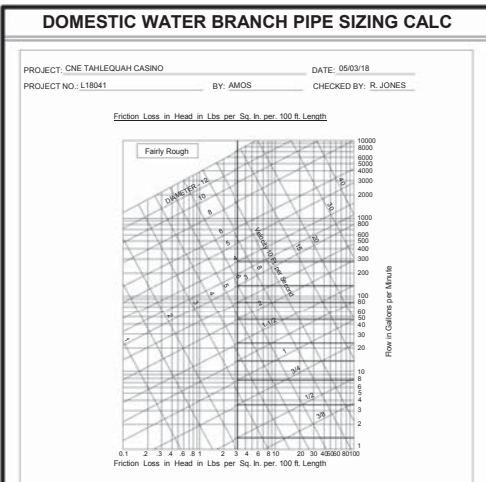
MARK	MANUFACTURER MODEL	GENERAL DATA		ELECTRICAL			FLOW RATE (GPM)			PIPE SIZE (IN.)		TANK SIZE (IN.)	BRINE TANK (IN.)	OPERATING WEIGHT (LBS)	REMARKS
		SIZE	GRAIN CAPACITY	VPHHZ	CONTINUOUS	PEAK	BACKWASH	INLET	OUTLET	INLET	OUTLET				
WS-1	PRODEX PF-910-10M-CB-SK-PLC	38"D x 99"L x 98"H	300,000	120/160	55 GPM	88 GPM	15 GPM	2"	2"	24"x27"	24"x50"	8,500		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 I COPPER FACE PIPING WITH BRASS SERVICE VALVES.
- PROVIDE 4" HOUSEKEEPING PAD.

GAS FIRED WATER HEATER SCHEDULE

MARK	MANUFACTURER MODEL	LOCATION	GENERAL DATA		GAS CONNECTION (IN)	MINIMUM EFFICIENCY (%)	RECOVERY (GPH)	TEMP RISE (°F)	VPHHZ	OPERATING WEIGHT (LBS)	REMARKS
			STORAGE CAPACITY (GAL)	GAS INPUT (MBH)							
WH-1	LOCHMAR SNA301-100	EVS STORAGE 12	90	199	12"	96%	221	90	120/160	1,475	1.2, 3
WH-2	LOCHMAR SNA301-100	EVS STORAGE 12	90	199	12"	96%	221	90	120/160	1,475	1.2, 3

- SEISMIC RESTRAINT STRAP, TP&R VALVE.
- PROVIDE WITH 4" CONCRETE HOUSEKEEPING PAD.



COLD WATER	MAX. FLOW (GPM)	FLUSH TANK F.U.	FLUSH VALVE F.U.	VELOCITY (FPS)
1/2"	14	-	-	-
3/4"	3.6	4	-	2.7
1"	7.6	8	-	3.3
1 1/4"	14	20	-	3.7
1 1/2"	23	34	21	4.3
2"	46	111	34	4.9
2 1/2"	80	275	148	5.5
3"	142	565	493	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.

R. JONES MSA ENGINEERING CONSULTANTS

NAME: _____ COMPANY: _____

RECIRCULATION PUMP SCHEDULE

MARK	MANUFACTURER MODEL	SERVICE	FLOW GPM	HEAD FT	MOTOR		REMARKS
					HP	VPHHZ	
CP-1	BELL & GOSSET XL B 55-45	DOMESTIC HOT WATER	20	35	1/2	2081/60	1, 2, 4

- PROVIDE SUPPLEMENTAL SUPPORT STEEL WITH NEOPRENE ISOLATION PAD.
- SET ADJUSTAT TO PUMP "ON" AT 138°F AND "OFF" AT 140°F.
- SET ADJUSTAT TO PUMP "ON" AT 105°F AND "OFF" AT 110°F.
- LEAD FREE.

TEMPERING VALVE SCHEDULE

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



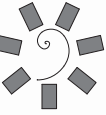
CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT NO:
BID PACKAGE 05

ISSUED	DESCRIPTION
1	DATE: 05/03/18
2	DATE: 05/03/18
3	DATE: 05/03/18

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

PROJECT NUMBER:
P0.3
PLUMBING SCHEDULES



**James R. Childers
Architect, Inc.**
445 South 4th Street
Fort Smith, AR 72701
479-783-3440
www.jrchildersarchitect.com



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

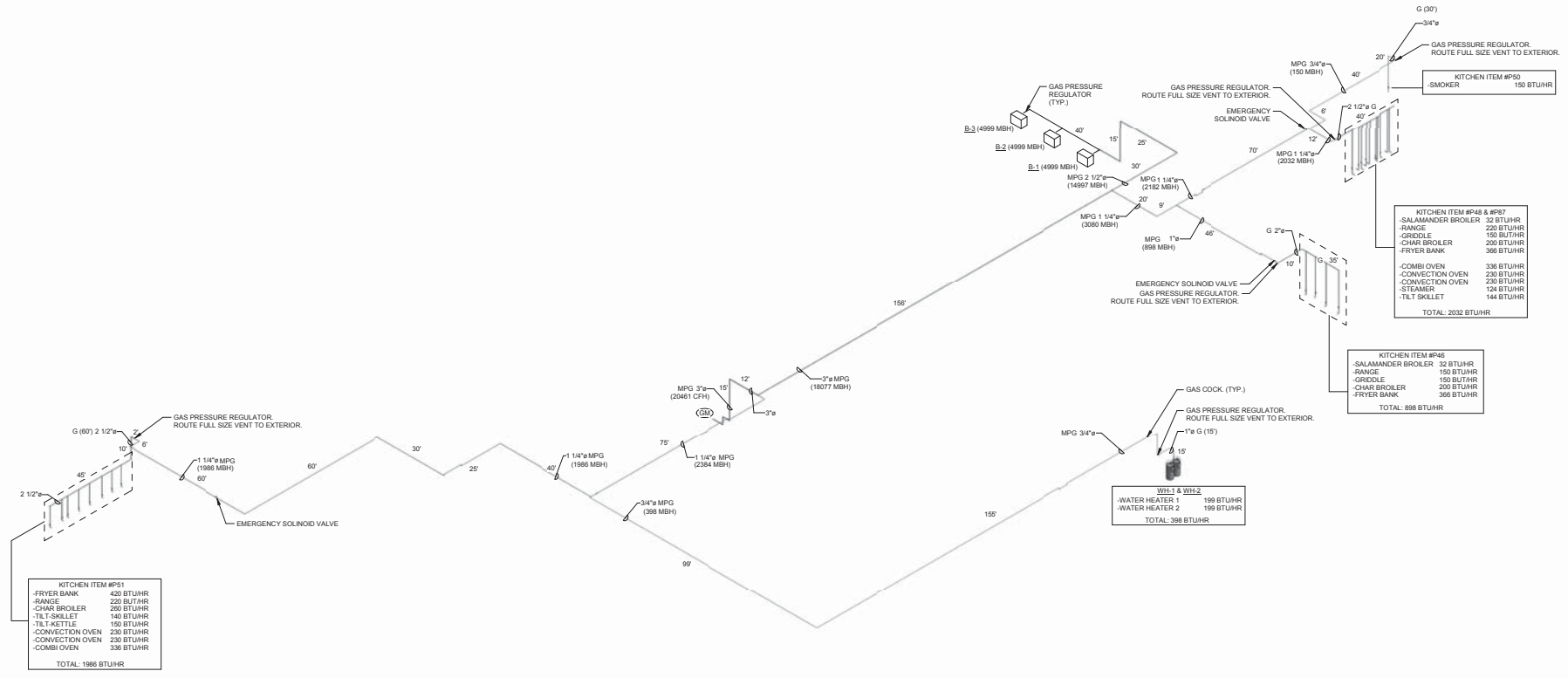
PROJECT NAME:
BID PACKAGE 05

NO.	DATE	DESCRIPTION
1	05/03/18	ISSUED FOR PERMIT
2	05/03/18	ISSUED FOR PERMIT
3	05/03/18	ISSUED FOR PERMIT

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

REVISION NUMBER:
P0.6

GAS ISOMETRIC DIAGRAM

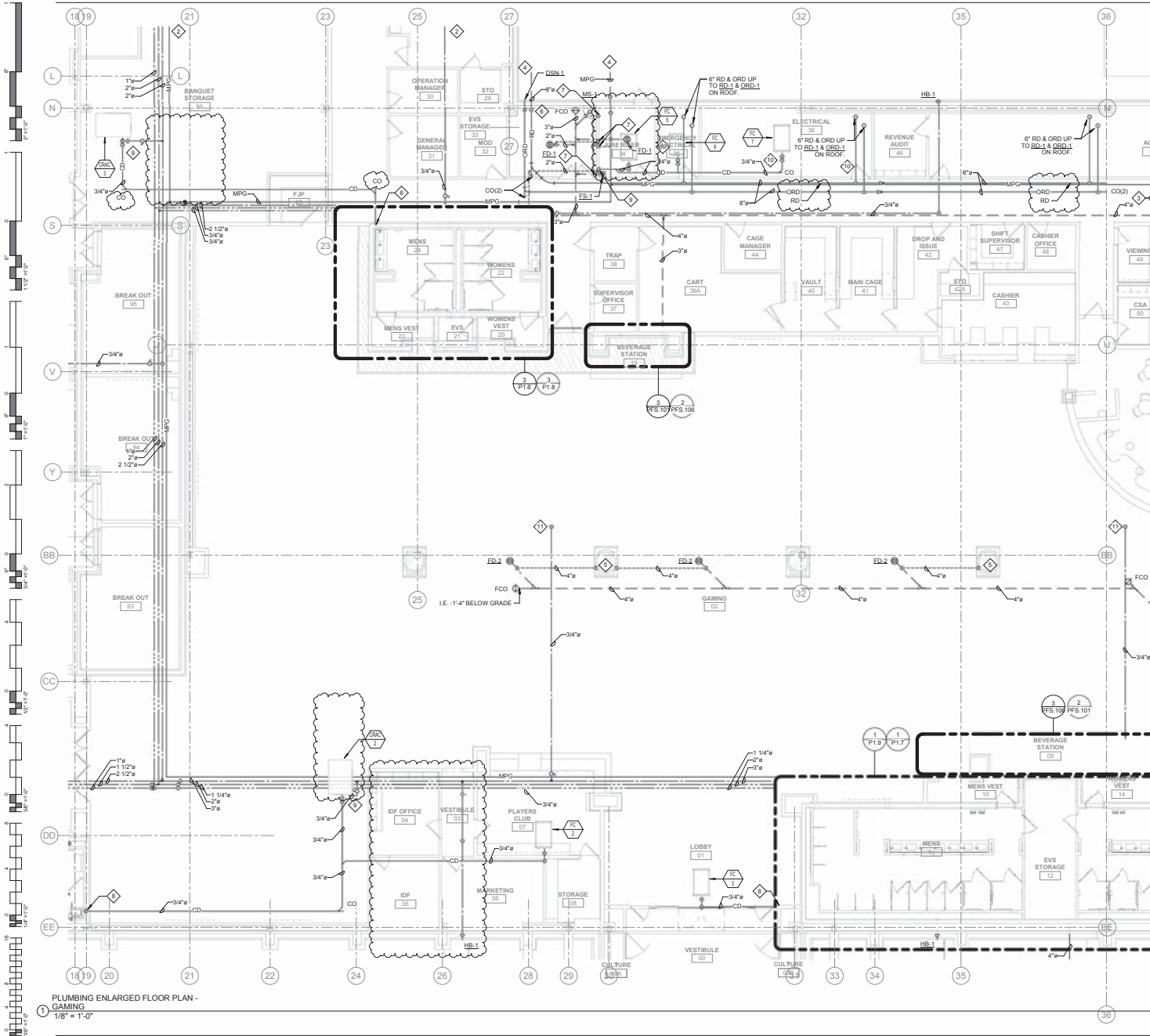


TOTAL DEVELOPED LENGTH = 450 FT
5 PSI MEDIUM PRESSURE GAS PIPING.
TOTAL CONNECTED LOAD = 20481 MBH
8 PSI MEDIUM PRESSURE GAS PIPING
SIZES BASED ON TABLE 402.4(7) OF
2012 IFCG, 450 FT

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.

REVISED ENTIRE SHEET

1 GAS ISOMETRIC DIAGRAM



- 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 P15 FOR CONTINUATION.
 2. REFER TO SHEET P14 FOR CONTINUATION.
 3. REFER TO SHEET P13 FOR CONTINUATION.
 4. REFER TO PLUMBING SITE PLAN AND CIVIL PLANS FOR CONTINUATION.
 5. 4" VENT UP 14" VTR ON ROOF.
 6. 8" RD & ORD ON IN CHASE.
 7. 2" VENT UP IN WALL.
 8. ROUTE 3/4" CONDENSATE DRAIN ON WALL TO ADJACENT LAVATORY TAILPIECE. PROVIDE WITH CONDENSATE PUMP WHERE REQUIRED.
 9. ROUTE 3/4" CONDENSATE DRAIN ON WALL TO ADJACENT FLOOR SINK. PROVIDE WITH CONDENSATE PUMP WHERE REQUIRED.
 10. PROVIDE PIPING IN ELECTRICAL ROOMS WITH FULL LENGTH DRIP PANS BELOW PIPING.
 11. 3/4" CW UP TO HOSE BIBB ON ROOF.
 12. 3/4" MAKEUP WATER ROUTED TO CRAC UNIT. PROVIDE WITH FULL SIZE BACKFLOW PREVENTER. DISCHARGE TO ADJACENT LAVATORY TAILPIECE.

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



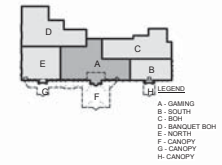
CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
 TAHLEQUAH, OKLAHOMA

PROJECT NAME:
BID PACKAGE 05

NO.	DESCRIPTION	QUANTITY	UNIT	AMOUNT
1	PLUMBING			
2	MECHANICAL			
3	ELECTRICAL			
4	PAINT			
5	CONCRETE			
6	IRONWORK			
7	GLASS			
8	STEEL			
9	WOOD			
10	CEILING			
11	FLOORING			
12	MECHANICAL			
13	ELECTRICAL			
14	PAINT			
15	CONCRETE			
16	IRONWORK			
17	GLASS			
18	STEEL			
19	WOOD			
20	CEILING			
21	FLOORING			

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

P1.1
 PLUMBING ENLARGED FLOOR PLAN - GAMING

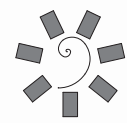


◆ SHEET NOTES:

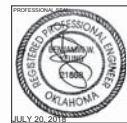
1. 4" CW SERVICE TO BUILDING. REFER TO CIVIL UTILITY PLANS FOR CONTINUATION.
2. 4" BUILDING WASTE WASTE LINE. REFER TO CIVIL UTILITY PLANS FOR CONTINUATION.
3. 6" WASTE WASTE LINE. REFER TO CIVIL UTILITY PLANS FOR CONTINUATION.
4. 4" WASTE WASTE LINE. REFER TO CIVIL UTILITY PLANS FOR CONTINUATION.
5. 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.



**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72701
479-783-3482
www.jrchildersarchitect.com



**CHEROKEE NATION ENTERTAINMENT
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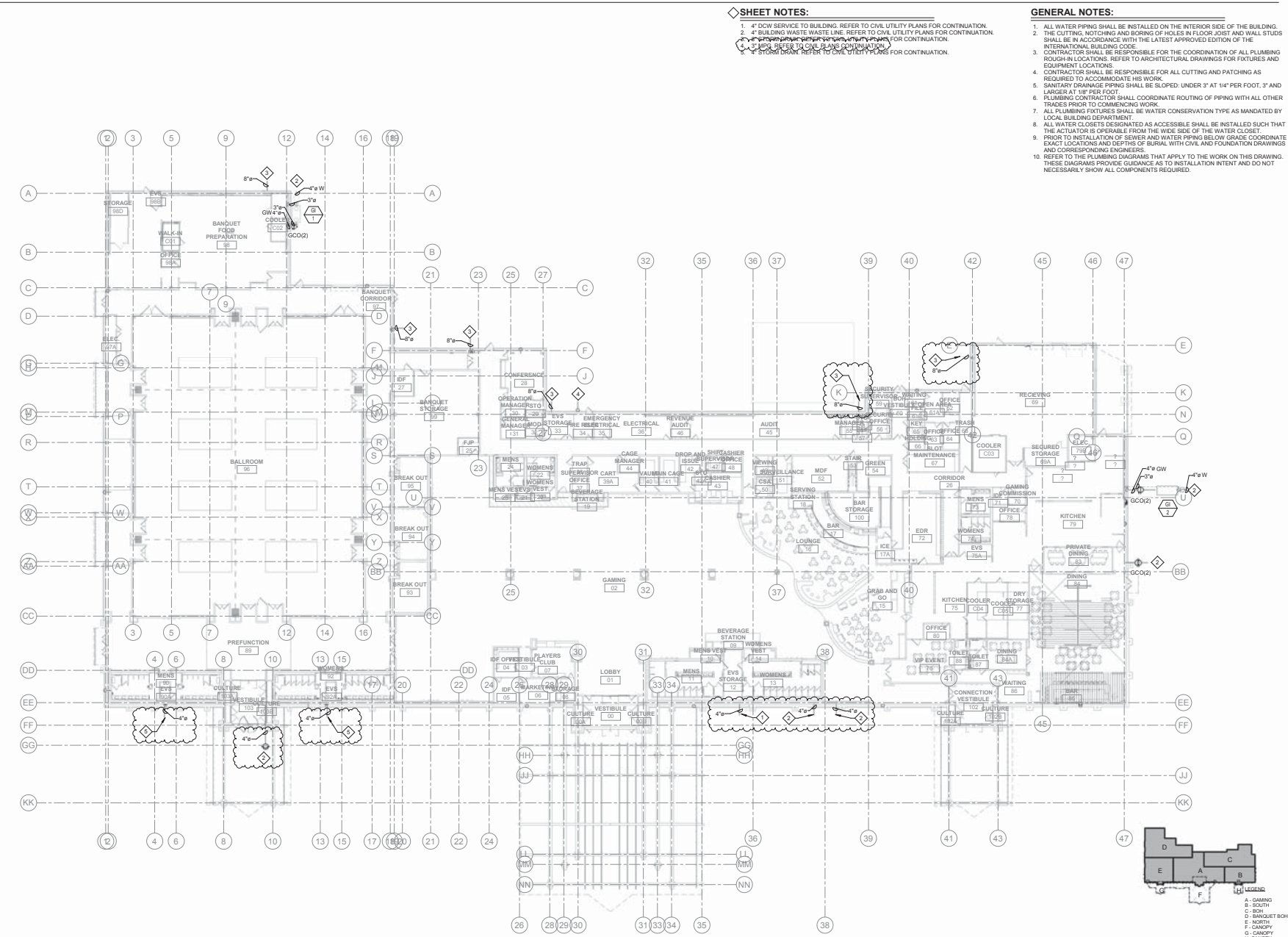
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REVISION	DATE	DESCRIPTION
1	05/03/18	ISSUED FOR PERMIT
2	05/03/18	ISSUED FOR PERMIT
3	05/03/18	ISSUED FOR PERMIT

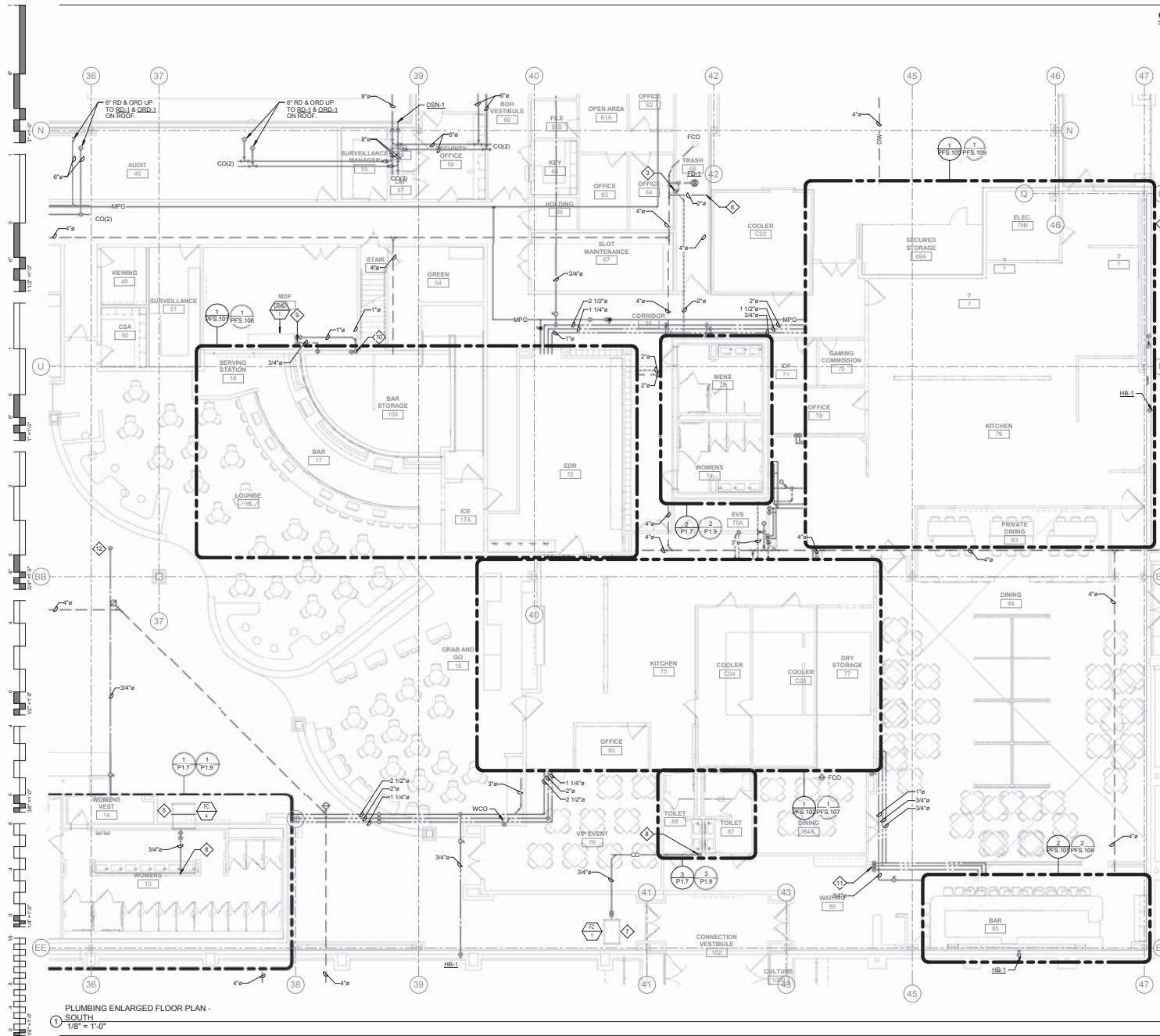
DATE: 05/03/18 JOB NUMBER: 17-06

P1.01

PLUMBING SITE PLAN



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



- GENERAL NOTES:**
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 8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS CREASIBLE 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. REFER TO SHEET PFS 104 FOR CONTINUATION.
 3. REFER TO SHEET PFS 105 FOR CONTINUATION.
 4. REFER TO SHEET PFS 106 FOR CONTINUATION.
 5. REFER TO SHEET PFS 107 FOR CONTINUATION.
 6. REFER TO SHEET PFS 108 FOR CONTINUATION.
 7. MECHANICAL EQUIPMENT SHOWN FOR REFERENCE.
 8. ROUTE 3/4" CONDENSATE DRAIN ON WALL TO ADJACENT LAVATORY TAILPIECE. PROVIDE WITH CONDENSATE PUMP WHERE REQUIRED.
 9. 3/4" MAKEUP WATER ROUTED TO UNIT. PROVIDE WITH FULL SIZE BACKFLOW PREVENTER. DISCHARGE TO ADJACENT FLOOR DRAIN.
 10. ROUTE 3/4" CONDENSATE DRAIN ON WALL TO ADJACENT FLOOR SINK. PROVIDE WITH CONDENSATE PUMP WHERE REQUIRED.
 11. ROUTE 1" CW, 3/4" HW & 3/4" HW ON IN COLUMN TO BELOW FLOOR SERVING BAR BS FIXTURES.
 12. 3/4" CW UP TO HOSE BIBB ON ROOF.

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

**James R. Childers
Architect, Inc.**
 45 South 4th Street
 Fort Smith, AR 72701
 479-783-3442
 www.jrchildersarchitect.com

PROFESSIONAL ENGINEER
 STATE OF OKLAHOMA
 LICENSE NO. 10000
 JULY 20, 2011

msa
 MECHANICAL SERVICES, INC.
 7878 North 10th Street, Suite 140
 Tulsa, Oklahoma 74116
 T. 918.434.8242
 F. 918.434.8243

CHEROKEE NATION
 CHEROKEE CASINO

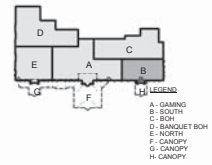
CHEROKEE NATION ENTERTAINMENT
TALHEQUAH CASINO
 TALHEQUAH, OKLAHOMA

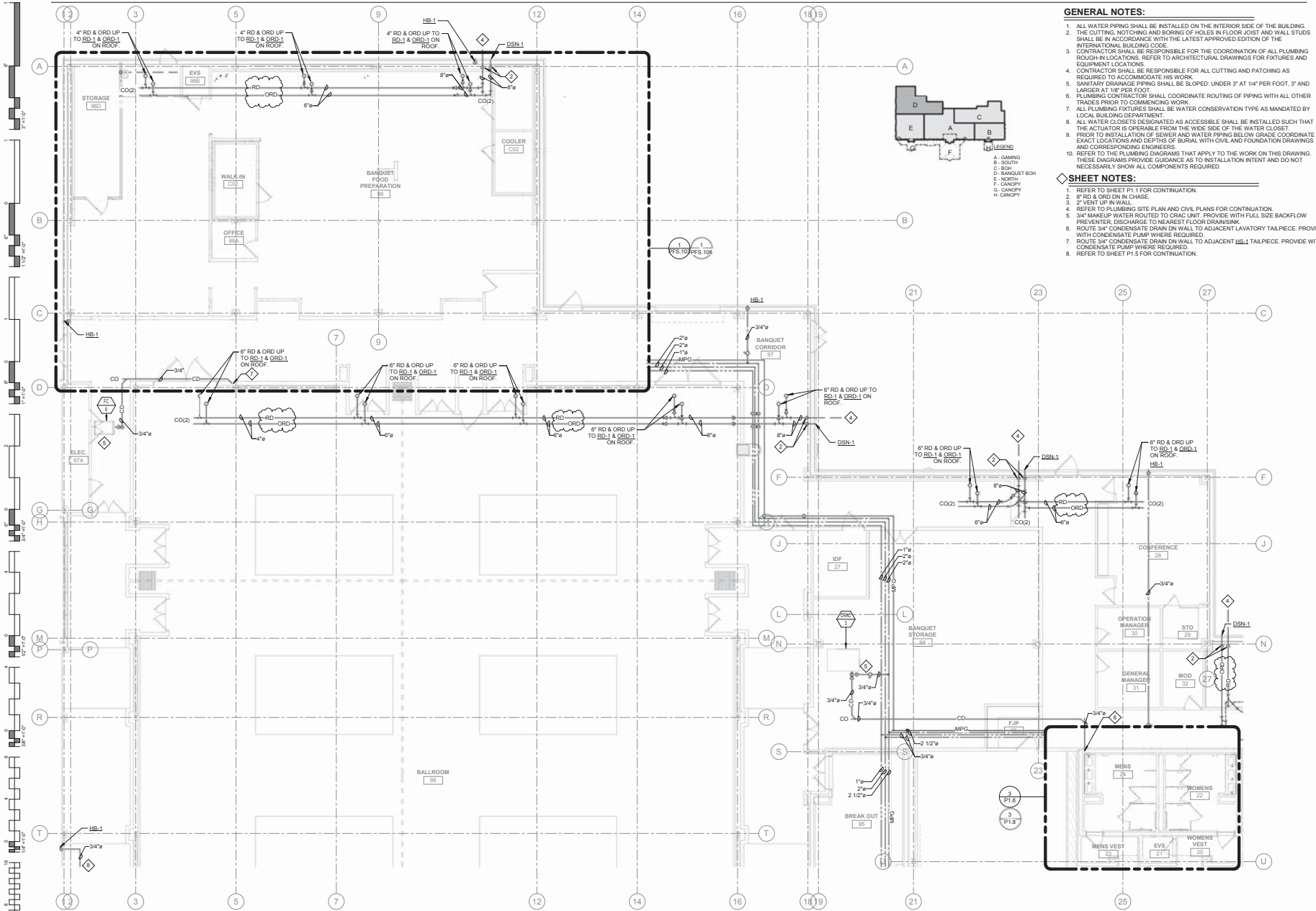
PROJECT NAME:
BID PACKAGE 05

REVISION	DATE	DESCRIPTION
1	05/03/18	ISSUED FOR PERMIT
2	05/03/18	ISSUED FOR PERMIT
3	05/03/18	ISSUED FOR PERMIT

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

PROJECT NUMBER:
P1.2
 PLUMBING ENLARGED FLOOR PLAN - SOUTH





- 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. 6" RD & ORD ON IN CHASE.
 3. 2" VENT UP IN WALL.
 4. REFER TO PLUMBING SITE PLAN AND CIVIL PLANS FOR CONTINUATION.
 5. 3/4" MAKEUP WATER ROUTED TO CRAC UNIT. PROVIDE WITH FULL SIZE BACKFLOW PREVENTER DISCHARGE TO NEAREST FLOOR DRAIN/SINK.
 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 HIS-1 TAILPIECE. PROVIDE WITH CONDENSATE PUMP WHERE REQUIRED.
 8. REFER TO SHEET P1.5 FOR CONTINUATION.

**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72701
479-783-3442
www.jrchitect.com

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

PROJECT NAME:
BID PACKAGE 05

REVISION	DATE	DESCRIPTION
1		ISSUED FOR BIDDING
2		ISSUED FOR BIDDING
3		ISSUED FOR BIDDING

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

P1.4
PLUMBING ENLARGED FLOOR PLAN - BANQUET BOH

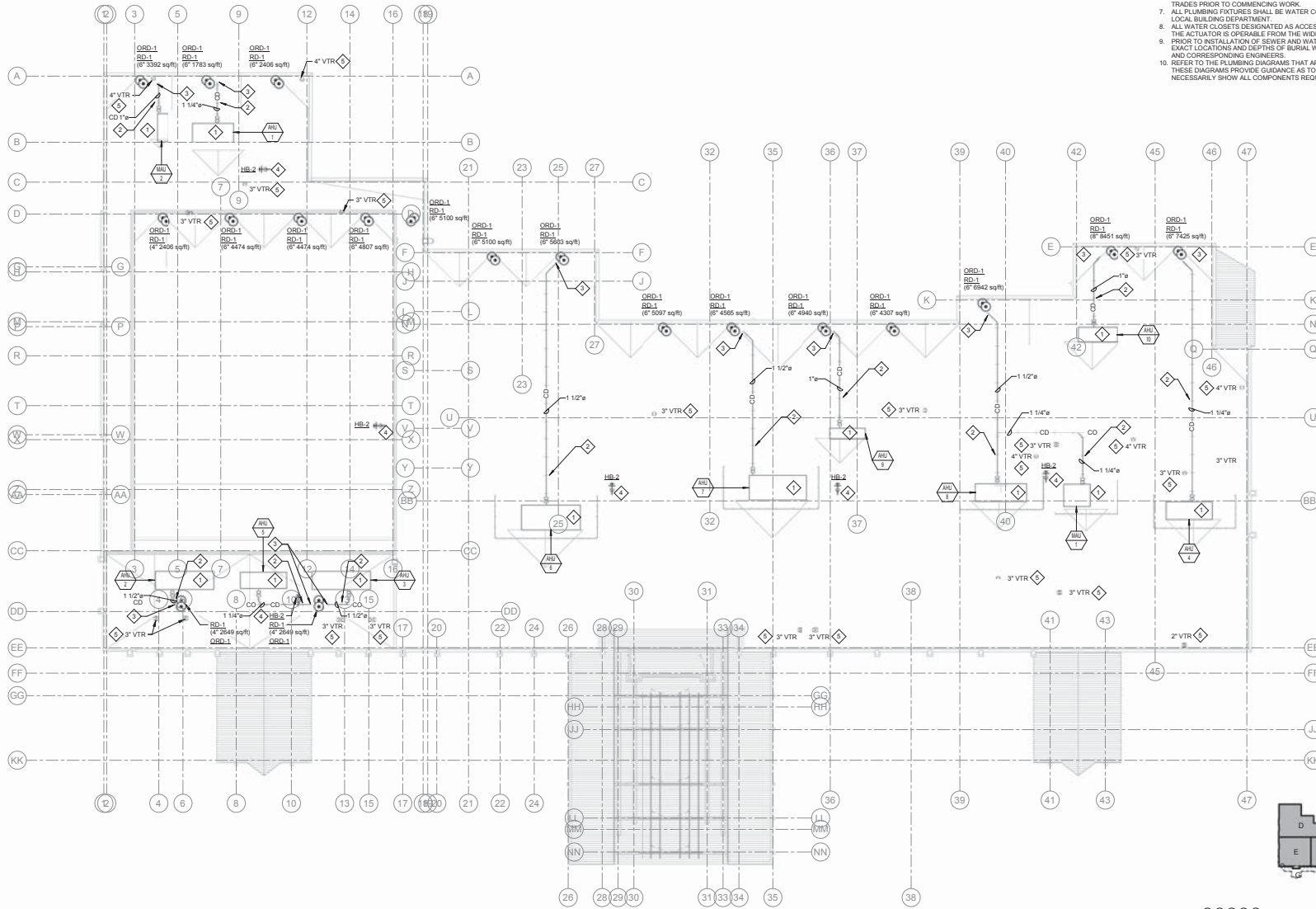
PLUMBING ENLARGED FLOOR PLAN -
BANQUET BOH
1/8" = 1'-0"

SHEET NOTES:

- MECHANICAL EQUIPMENT SHOWN FOR REFERENCE.
- COPPER CONDENSATE DRAIN PIPING SHALL BE PROVIDED WITH PIPE SUPPORT STAND ON ROOF. MANA MODEL MS-18A10, 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.
- 3/4" CW DN TO BELOW.
- MAINTAIN A MINIMUM OF 10'-0" DISTANCE FROM MECHANICAL UNIT AIR INTAKE.

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.
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- 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.



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

REVISED
ENTIRE SHEET

Key Plan
1" = 200'-0"



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Fort Smith, AR 72701
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CHEROKEE NATION ENTERTAINMENT
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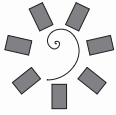
PROJECT NAME:
BID PACKAGE 05

NO.	REVISION	DATE
1	ISSUE FOR PERMITTING	
2	ISSUE FOR CONSTRUCTION	
3	ISSUE FOR PROVISIONS	

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

REVISION NUMBER:
P6.1

PLUMBING ROOF PLAN



**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72001
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CHEROKEE NATION ENTERTAINMENT
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PROJECT NAME
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NO.	DATE	DESCRIPTION
1	05/03/18	ISSUED FOR BIDDING
2	05/03/18	REVISION
3	05/03/18	REVISION

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

PFS.101
PLUMBING FOOD SERVICE WASTE & VENT PLAN - CASINO BAR & EDR

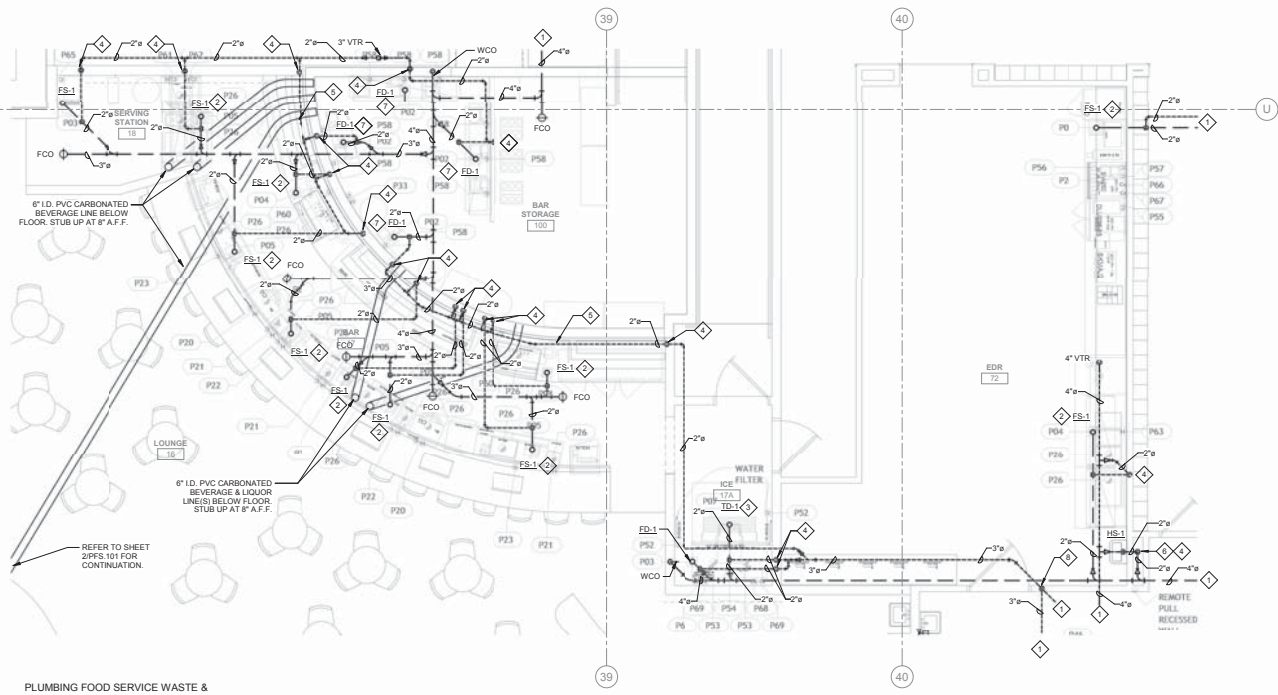
REVISED ENTIRE SHEET

GENERAL NOTES:

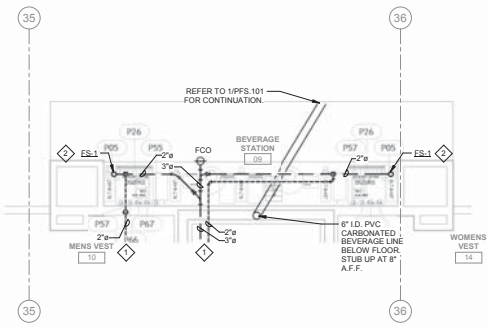
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5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
6. SANITARY DRAINAGE PIPING SHALL BE COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
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SHEET NOTES:

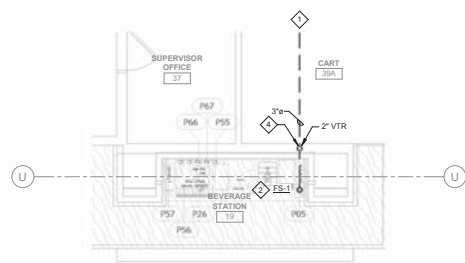
1. REFER TO PLUMBING ENLARGED PLANS FOR CONTINUATION.
2. RUN FULL SIZE INDIRECT WASTE FROM ITEM #P26 TO ES-1. TERMINATE WITH APPROVED AIR GAP.
3. RUN FULL SIZE INDIRECT WASTE FROM ITEM #P33 TO TD-1. TERMINATE WITH APPROVED AIR GAP.
4. 2" VENT UP IN WALL.
5. 3" VENT ROUTED BELOW COUNTER.
6. 2" WASTE UP IN WALL TO HS-1.
7. PROVIDE TRAP GUARD AS REQUIRED.
8. 3" VENT UP IN WALL.



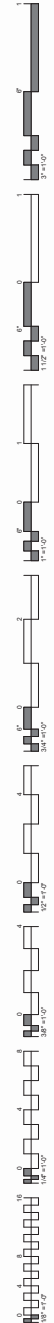
PLUMBING FOOD SERVICE WASTE & VENT PLAN - CASINO BAR & EDR
1/4" = 1'-0"

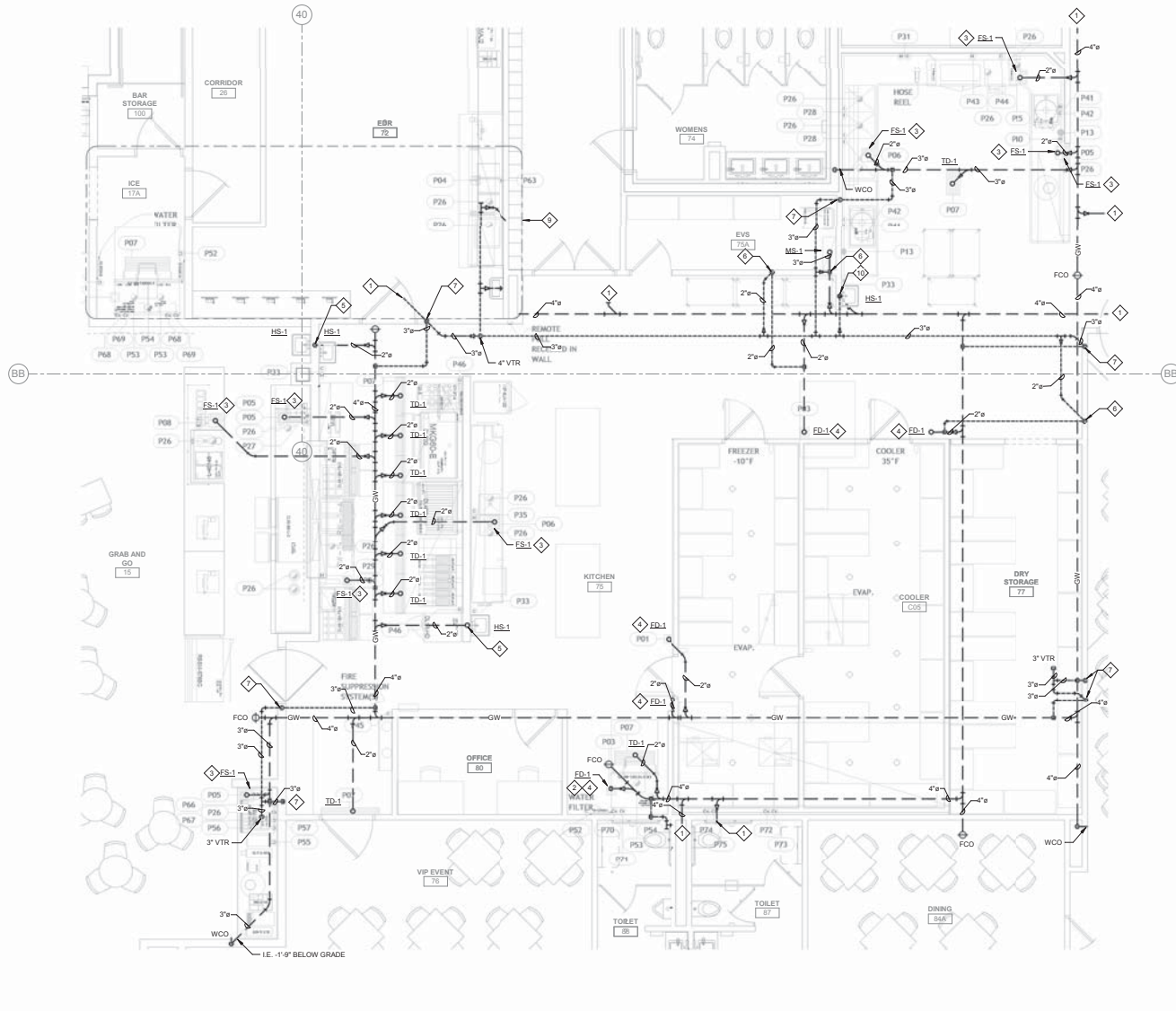
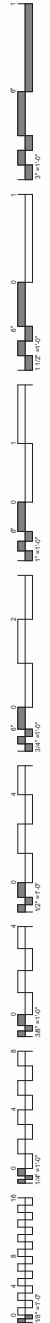


PLUMBING FOOD SERVICE WASTE & VENT PLAN - COMP. BEVE. SOUTH
1/4" = 1'-0"



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





1 PLUMBING FOOD SERVICE WASTE & VENT 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.
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 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 ED-1. TERMINATE WITH APPROVED AIR GAP.
 3. RUN FULL SIZE INDIRECT WASTE FROM ITEM #P26 TO ES-1. TERMINATE WITH APPROVED AIR GAP.
 4. PROVIDE TRAP GUARD AS REQUIRED.
 5. 2" GREASE WASTE UP IN WALL.
 6. 2" VENT UP IN WALL.
 7. 3" VENT UP IN WALL.
 8. 2" GREASE WASTE UP IN WALL.
 9. FOR WORK IN THIS AREA REFER TO SHEET PFS-101.
 10. 2" WASTE UP TO BS-1. 2" VENT UP IN WALL.

**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72701
479-783-2442
www.jrchildersarchitect.com

PROFESSIONAL ENGINEER
STATE OF OKLAHOMA
JULY 20, 2018

msa
7878 North 100th Street, Suite 140
Oklahoma City, Oklahoma 73154

CHEROKEE NATION ENTERTAINMENT
Cherokee
CASINO

CHEROKEE NATION ENTERTAINMENT
TALHEQUAH CASINO
TALHEQUAH, OKLAHOMA

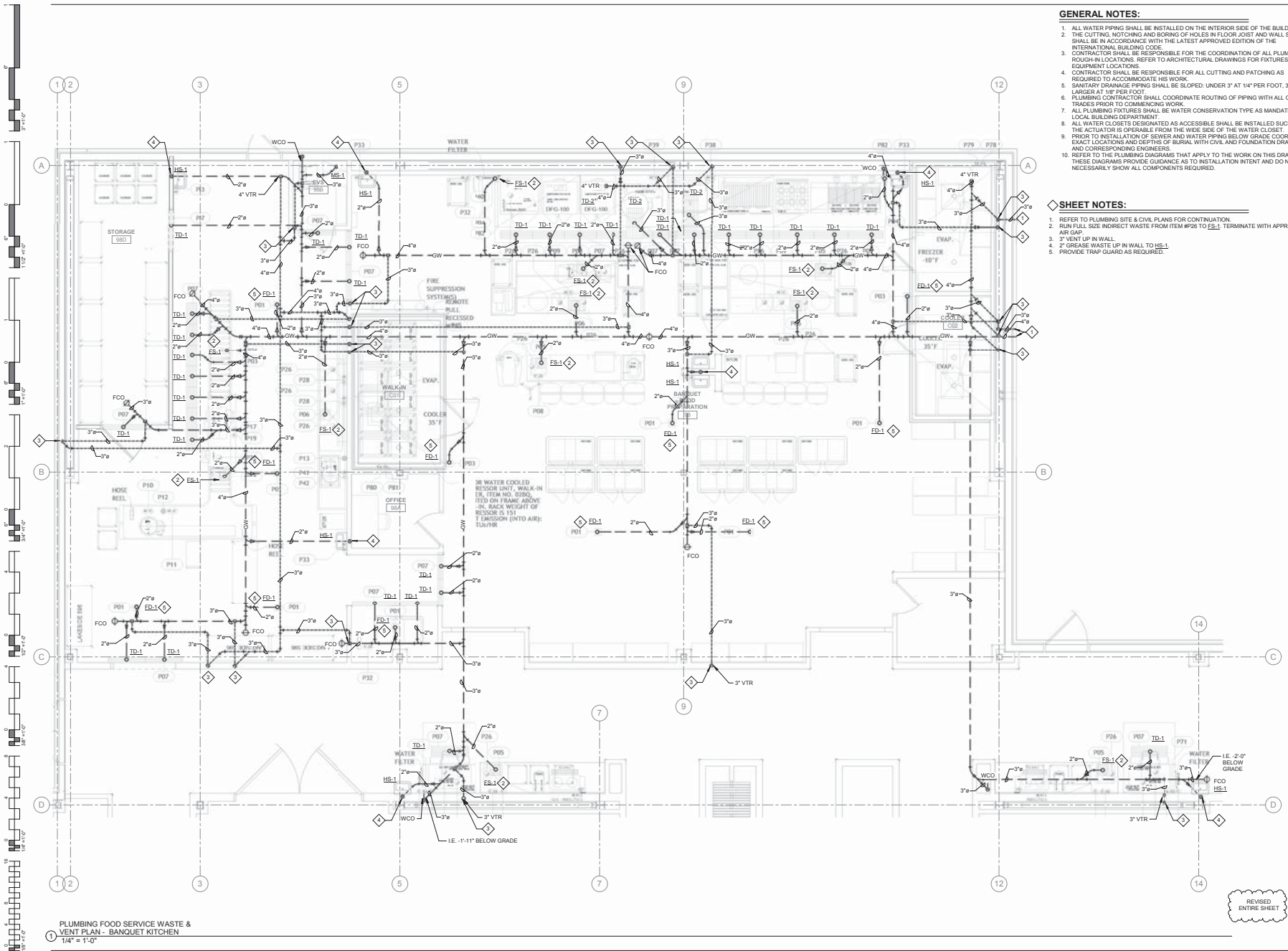
PROJECT NAME:
BID PACKAGE 05

NO.	DESCRIPTION	QUANTITY	UNIT	AMOUNT
1	PLUMBING			
2	MECHANICAL			
3	ELECTRICAL			
4	PAINTING			
5	CONCRETE			
6	IRONWORK			
7	GLASS			
8	ROOFING			
9	MECHANICAL			
10	ELECTRICAL			
11	PLUMBING			
12	MECHANICAL			
13	ELECTRICAL			
14	PLUMBING			
15	MECHANICAL			
16	ELECTRICAL			
17	PLUMBING			
18	MECHANICAL			
19	ELECTRICAL			
20	PLUMBING			
21	MECHANICAL			
22	ELECTRICAL			
23	PLUMBING			
24	MECHANICAL			
25	ELECTRICAL			

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

REVISIONS:
PFS-102
PLUMBING FOOD SERVICE WASTE & VENT PLAN
GRAB-N-GO KITCHEN

REVISED ENTIRE SHEET

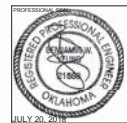


- GENERAL NOTES:**
1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
 2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR 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 SITE & CIVIL PLANS FOR CONTINUATION.
 2. RUN FULL SIZE INDIRECT WASTE FROM ITEM #P26 TO ES-1. TERMINATE WITH APPROVED AIR GAP.
 3. 3" VENT UP IN WALL.
 4. 2" GREASE WASTE UP IN WALL TO HS-1.
 5. PROVIDE TRAP GUARD AS REQUIRED.

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

REVISED ENTIRE SHEET



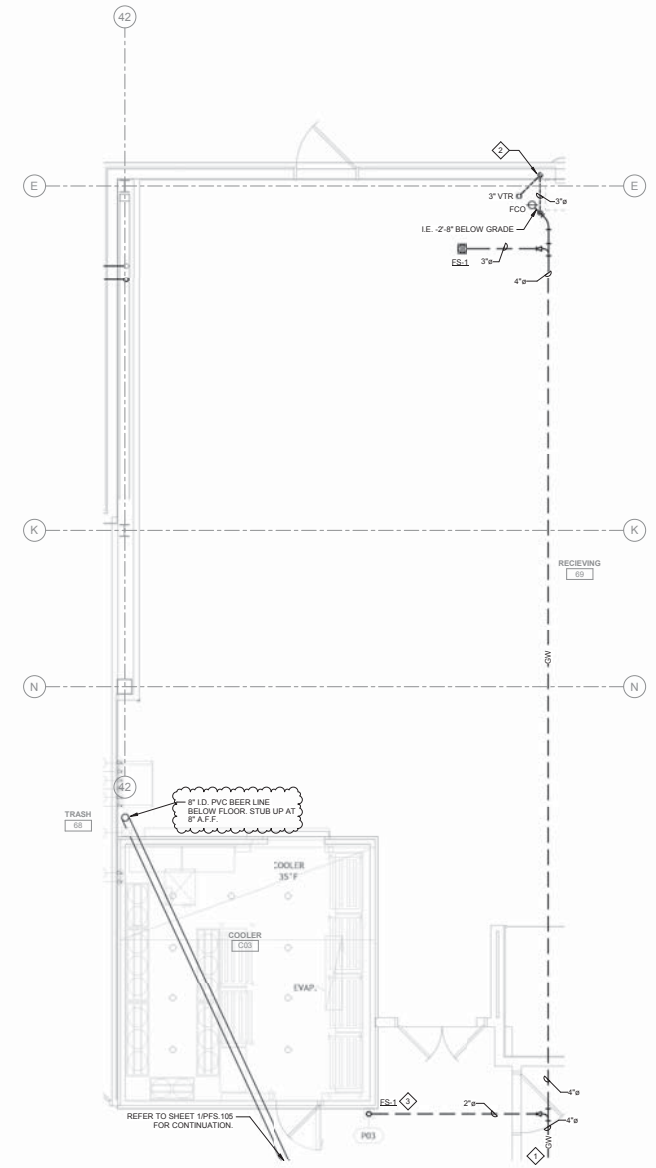
CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT NAME
BID PACKAGE 05

NO.	REVISION	DATE
1	ISSUE FOR PERMITTING	
2	ISSUE FOR BIDDING	
3	ISSUE FOR CONSTRUCTION	

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

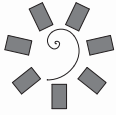
PFS.103
PLUMBING FOOD SERVICE WASTE & VENT PLAN - BANQUET KITCHEN



- 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.
 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. 3" VENT UP IN WALL.
 3. PROVIDE TRAP GUARD AS REQUIRED.

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



**James R. Childers
 Architect, Inc.**
 45 South 4th Street
 Fort Smith, AR 72701
 479-783-2462
 www.jrchildersarchitect.com



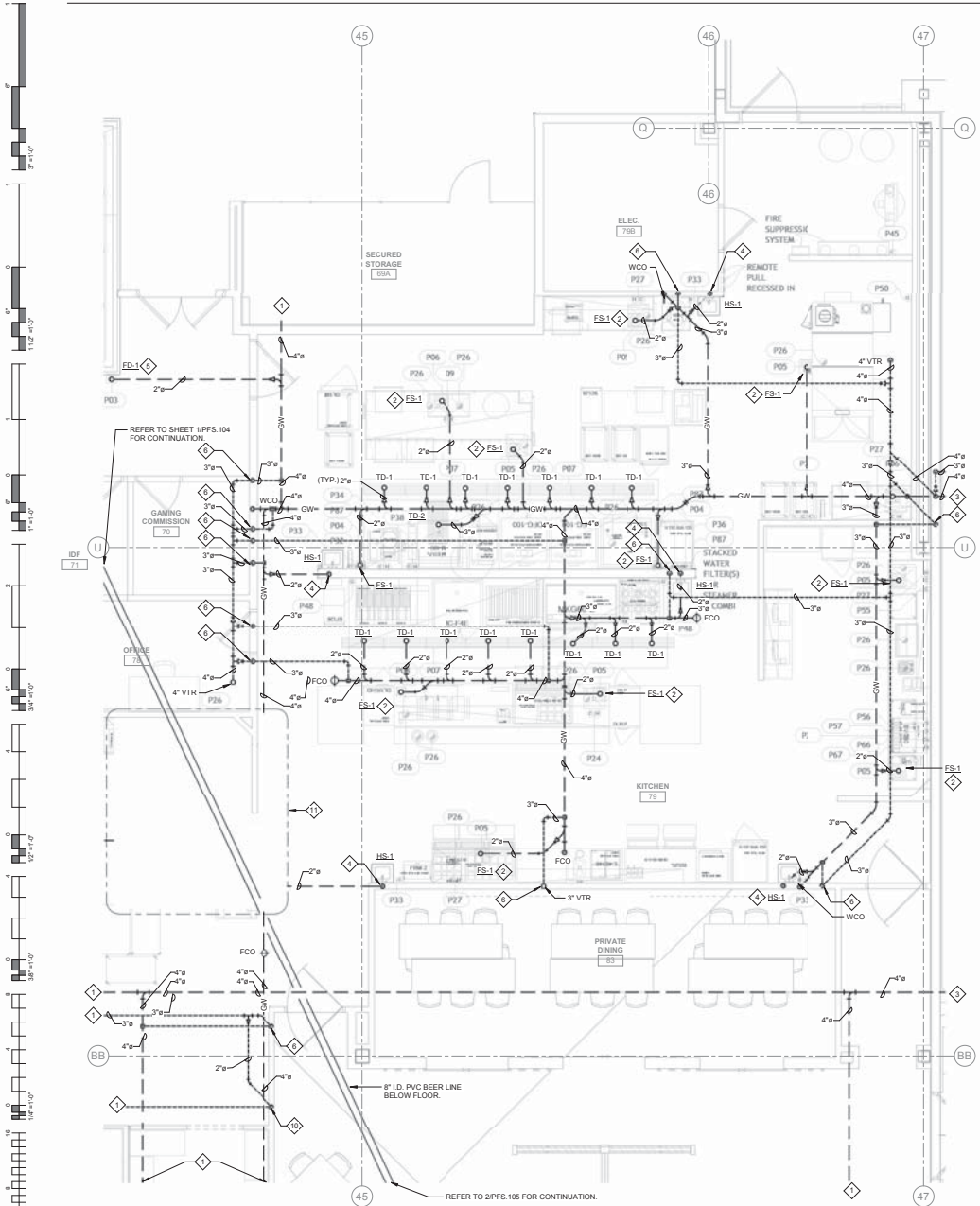
CHEROKEE NATION ENTERTAINMENT
 TAHLEQUAH CASINO
 TAHLEQUAH, OKLAHOMA

PROJECT NAME:
 BID PACKAGE 05

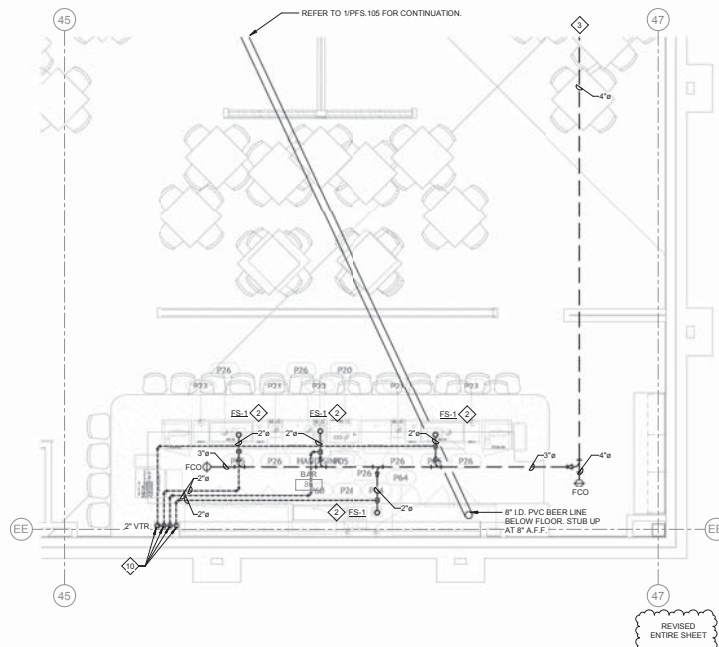
NO.	DESCRIPTION	DATE	BY

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

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



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



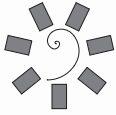
PLUMBING FOOD SERVICE WASTE & VENT PLAN - FINE DINING
1/4" = 1'-0"

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.

SHEET NOTES:

1. REFER TO PLUMBING ENLARGED PLANS FOR CONTINUATION.
2. RUN FULL SIZE INDIRECT WASTE FROM ITEM #P26 TO ES-1. TERMINATE WITH APPROVED AIR GAP.
3. REFER TO PLUMBING SITE PLAN AND CIVIL PLANS FOR CONTINUATION.
4. 2" GREASE WASTE UP TO HS-1.
5. PROVIDE TRAP GUARD AS REQUIRED.
6. 3" VENT UP IN WALL.
7. NOT USED.
8. NOT USED.
9. NOT USED.
10. 2" VENT UP IN WALL.
11. FOR VENT IN THIS AREA SEE SHEET PFS.102.



**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72501
479-783-3442
www.jrchildersarchitect.com



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

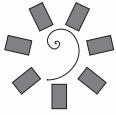
PROJECT NAME
BID PACKAGE 05

NO.	DATE	DESCRIPTION
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3	05/03/18	REVISION 02
4	05/03/18	REVISION 03
5	05/03/18	REVISION 04
6	05/03/18	REVISION 05
7	05/03/18	REVISION 06
8	05/03/18	REVISION 07
9	05/03/18	REVISION 08
10	05/03/18	REVISION 09
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98	05/03/18	REVISION 97
99	05/03/18	REVISION 98
100	05/03/18	REVISION 99
101	05/03/18	REVISION 100

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

PFS.105

PLUMBING FOOD SERVICE WASTE & VENT PLAN - FINE DINING



**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72701
479-783-3442
www.jrchitect.com



CHEROKEE NATION ENTERTAINMENT
TALHEQUAH CASINO
TALHEQUAH, OKLAHOMA

PROJECT NAME
BID PACKAGE 05

NO.	DATE	DESCRIPTION
1	05/03/18	ISSUED FOR BIDDING
2	05/03/18	REVISION
3	05/03/18	REVISION

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

REVISION NUMBER: **PFS.106**

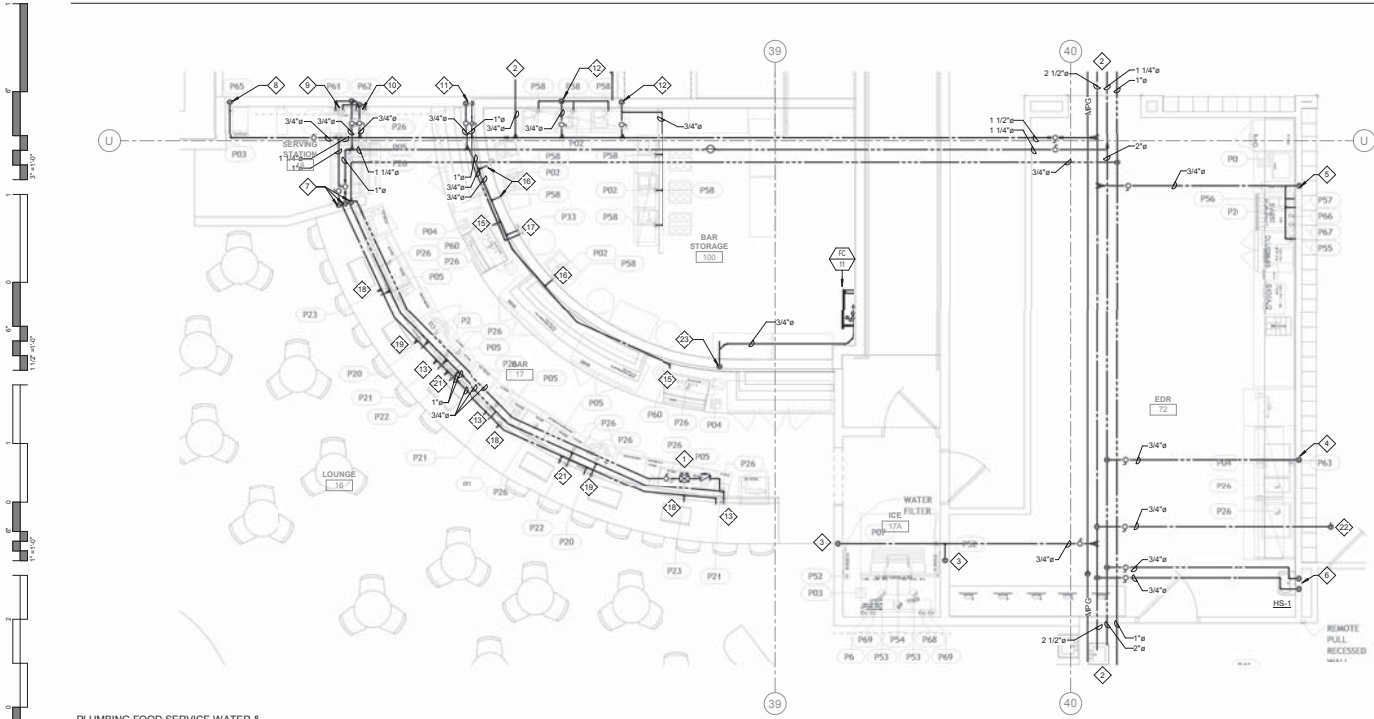
PLUMBING FOOD SERVICE WATER & GAS PLAN - CASINO BAR & EDR

GENERAL NOTES:

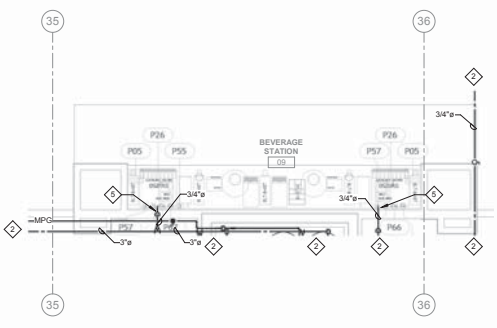
1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROOMS 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 #F080TS BACKFLOW PREVENTER. ICE MACHINES TO BE PROVIDED WITH A WATTS #80 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 RF1 DURING BID PROCESS FOR CLARIFICATION IF REQUIRED.

SHEET NOTES:

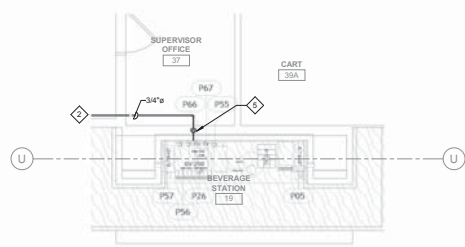
1. PROVIDE LINE SIZE BALANCING VALVE INCLUDING CHECK VALVE AND BALL VALVE. BALANCING VALVE SHALL BE B&G CIRCUIT SETTER MODEL RF-102 LF OR EQUIVALENT SET AT 1.0 GPM FLOW. PROVIDE WITH 12"x12" RAY ACCESS PANEL WHERE REQUIRED.
2. REFER TO ENLARGED PLUMBING PLANS FOR CONTINUATION.
3. ROUTE 3/4" CW DN IN WALL TO WATER FILTER SERVING ICE MAKER (ITEM #P52).
4. ROUTE 3/4" HW DN IN WALL TO SERVING COUNTER (ITEM #P03).
5. ROUTE 3/4" CW DN IN WALL TO BEVERAGE COUNTER (ITEM #P05), CARBONATOR (ITEM #P06) & ICE MAKER (ITEM #P07). PROVIDE CARBONATOR WITH WATTS #F080TS BACKFLOW PREVENTER. PROVIDE ICE MAKER WITH A WATTS #80 DUAL CHECK VALVE.
6. ROUTE 3/4" CW & HW DN TO HAND SINK. PROVIDE WITH SYMMONS 7-102 OR EQUIVALENT. SET DISCHARGE TEMPERATURE TO 105°F.
7. ROUTE 1" CW, 1" HW & 3/4" HW DN IN WALL TO BELOW COUNTER SERVING KITCHEN ITEMS.
8. ROUTE 3/4" CW DN TO BEVERAGE EQUIPMENT (ITEM #P08).
9. ROUTE 3/4" CW & 3/4" HW DN TO FAUCET (ITEM #P01).
10. ROUTE 3/4" CW & 3/4" HW DN TO GLASS WASHER (ITEM #P02).
11. ROUTE 1" CW & 3/4" HW DN IN WALL TO BELOW COUNTER SERVING KITCHEN ITEMS.
12. 3/4" CW IN WALL SERVING CARBONATOR (ITEM #P06)(x3). PROVIDE CARBONATORS WITH WATTS #F080TS BACKFLOW PREVENTER.
13. ROUTE 3/4" CW & 3/4" HW TO FAUCET (ITEM #P21).
14. NOT USED.
15. ROUTE 3/4" CW TO GLASS RINSER (ITEM #P09).
16. ROUTE 3/4" CW TO CARBONATOR (ITEM #P08). PROVIDE CARBONATORS WITH WATTS #F080TS BACKFLOW PREVENTER.
17. ROUTE 3/4" CW & 3/4" HW TO HOSE BIBB (ITEM #P20).
18. ROUTE 3/4" CW CARBONATOR (ITEM #P20). PROVIDE CARBONATORS WITH WATTS #F080TS BACKFLOW PREVENTER.
19. ROUTE 3/4" CW & 3/4" HW TO GLASS WASHER (ITEM #P20).
20. NOT USED.
21. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO HAND SINK (ITEM #P22). PROVIDE WITH SYMMONS 7-102 OR EQUIVALENT. SET DISCHARGE TEMPERATURE TO 105°F.
22. 3/4" CW UP TO HOSE BIBB ON ROOF.
23. ROUTE 3/4" CONDENSATE DRAIN DN WALL TO ADJACENT FLOOR SINK. PROVIDE WITH CONDENSATE PUMP WHERE REQUIRED.



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

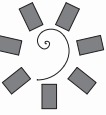


3 PLUMBING FOOD SERVICE WATER & GAS PLAN - COMP. BEVE. SOUTH
1/4" = 1'-0"



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

REVISED
ENTIRE SHEET



**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72701
479-783-2442
www.jrchildersarchitect.com



CONSULTED: 0500



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT NAME:
BID PACKAGE 05

NO.	DESCRIPTION	DATE
1	DATE PLOTTED	05/03/18
2	DATE REVISION	
3	DATE REVISION	
4	DATE REVISION	

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

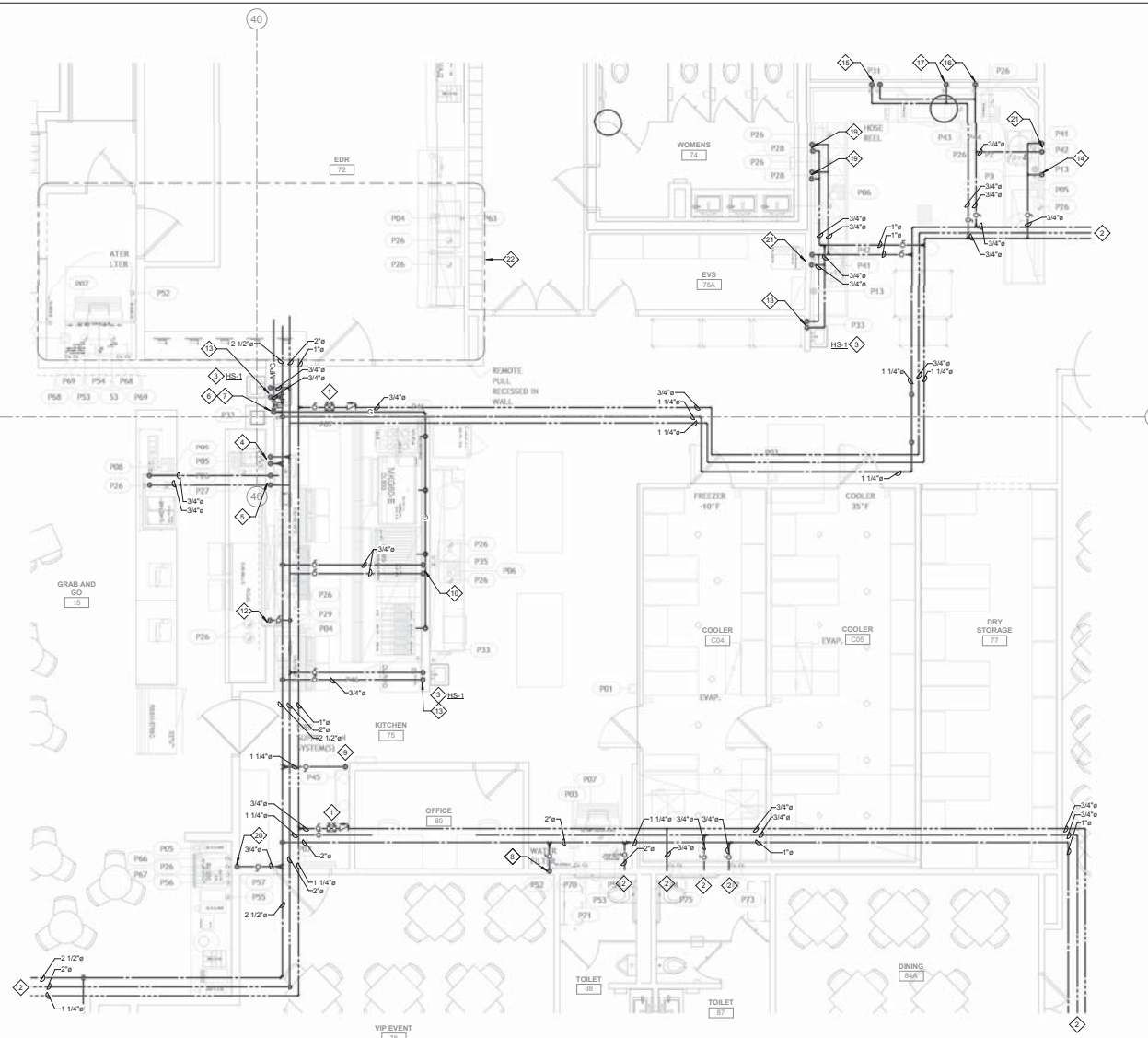
REVISION NUMBER:
PFS.107
PLUMBING FOOD SERVICE WATER & GAS PLAN
GRAB-N-GO KITCHEN

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 #80 BACKFLOW PREVENTER. ICE MACHINES TO BE PROVIDED WITH A WATTS #80 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 RF1 DURING BID PROCESS FOR CLARIFICATION IF REQUIRED.

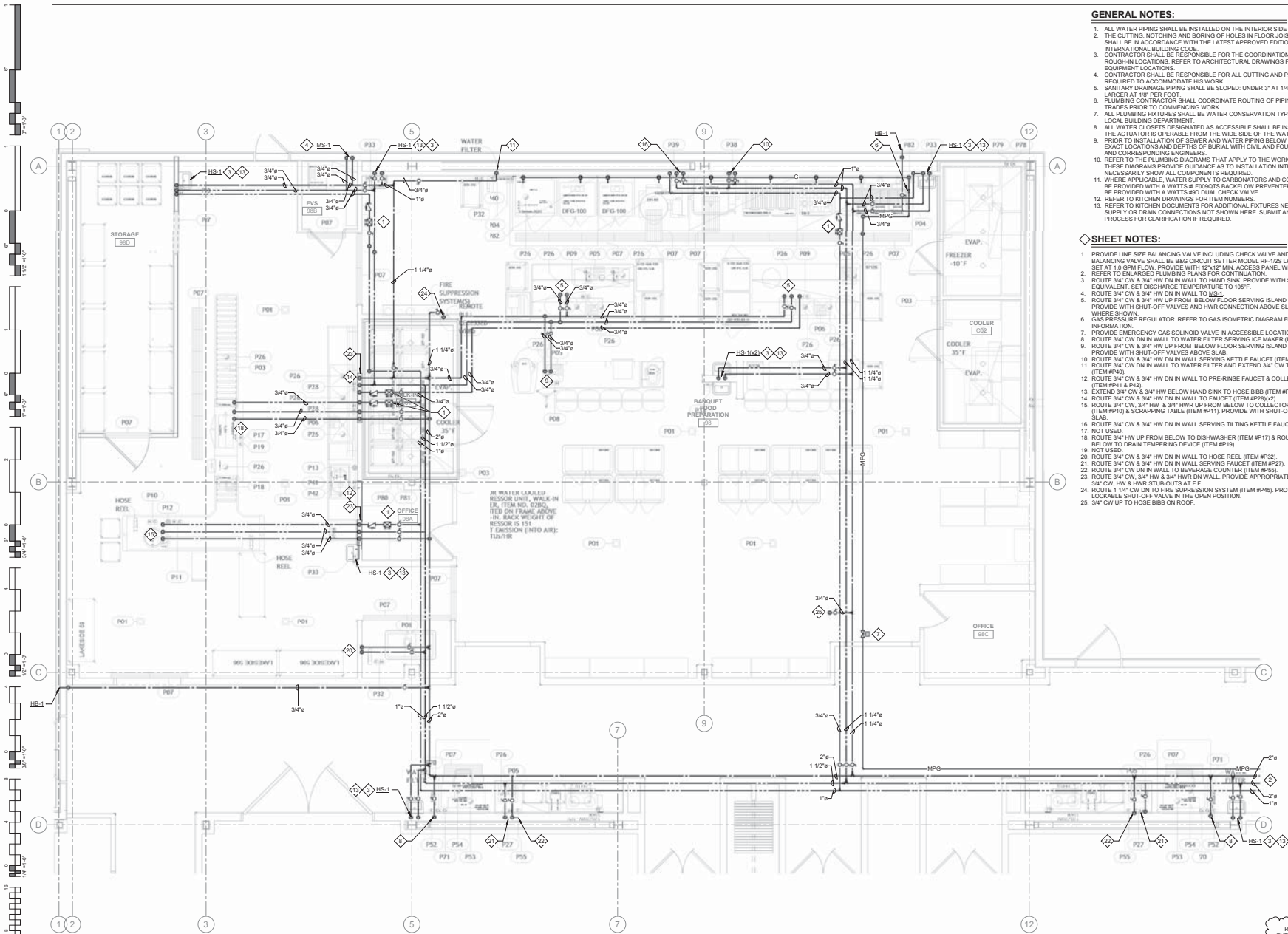
◇ SHEET NOTES:

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 1/2" X 1/2" MAX. 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 #P98).
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 1 1/4" CW DN TO FIRE SUPPRESSION SYSTEM (ITEM #P45). PROVIDE WITH LOCKABLE SHUT-OFF VALVE IN THE OPEN POSITION.
10. ROUTE 3/4" CW & 3/4" HW DN IN WALL SERVING TILTING SKILLET FAUCET (ITEM #P35).
11. NOT USED.
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 S&S.
19. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO FAUCET (ITEM #P28).
20. ROUTE 3/4" CW DN IN WALL TO BEVERAGE COUNTER (ITEM #53). CARBONATOR (ITEM #56) & ICE MAKER (ITEM #57). PROVIDE CARBONATOR WITH WATTS #LF002TS BACKFLOW PREVENTER. PROVIDE ICE MAKER WITH A WATTS #80 DUAL CHECK VALVE.
21. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO PRE-RINSE FAUCET & COLLECTOR (ITEM #P4 & P42).
22. FOR WORK IN THIS AREA REFER TO SHEET PFS.106.



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

REVISED
ENTIRE SHEET

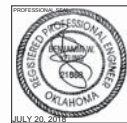


- GENERAL NOTES:**
1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
 2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR, JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
 3. CONTRACTOR SHALL BE RESPONSIBLE 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 #F80BTS BACKFLOW PREVENTER. ICE MACHINES TO BE PROVIDED WITH A WATTS #HS 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 RF1 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 1/2" I.D. 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 7-10Z OR EQUIVALENT. SET DISCHARGE TEMPERATURE TO 105°F.
 4. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO SINK.
 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 #R2).
 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 #P4 & 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 #P20(2)).
 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 & 3/4" HW DN IN WALL SERVING TILTING KETTLE FAUCET (ITEM #P39).
 17. NOT USED.
 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. NOT USED.
 20. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO HOSE REEL (ITEM #P2).
 21. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO BEVERAGE FAUCET (ITEM #P27).
 22. ROUTE 3/4" CW DN IN WALL TO BEVERAGE COUNTER (ITEM #P25).
 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.
 24. ROUTE 1" CW DN TO FIRE SUPPRESSION SYSTEM (ITEM #P45). PROVIDE WITH LOCKABLE SHUT-OFF VALVE IN THE OPEN POSITION.
 25. 3/4" CW UP TO HOSE BIBB ON ROOF.

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

REVISED ENTIRE SHEET



CHEROKEE NATION ENTERTAINMENT
 TAHLEQUAH CASINO
 TAHLEQUAH, OKLAHOMA

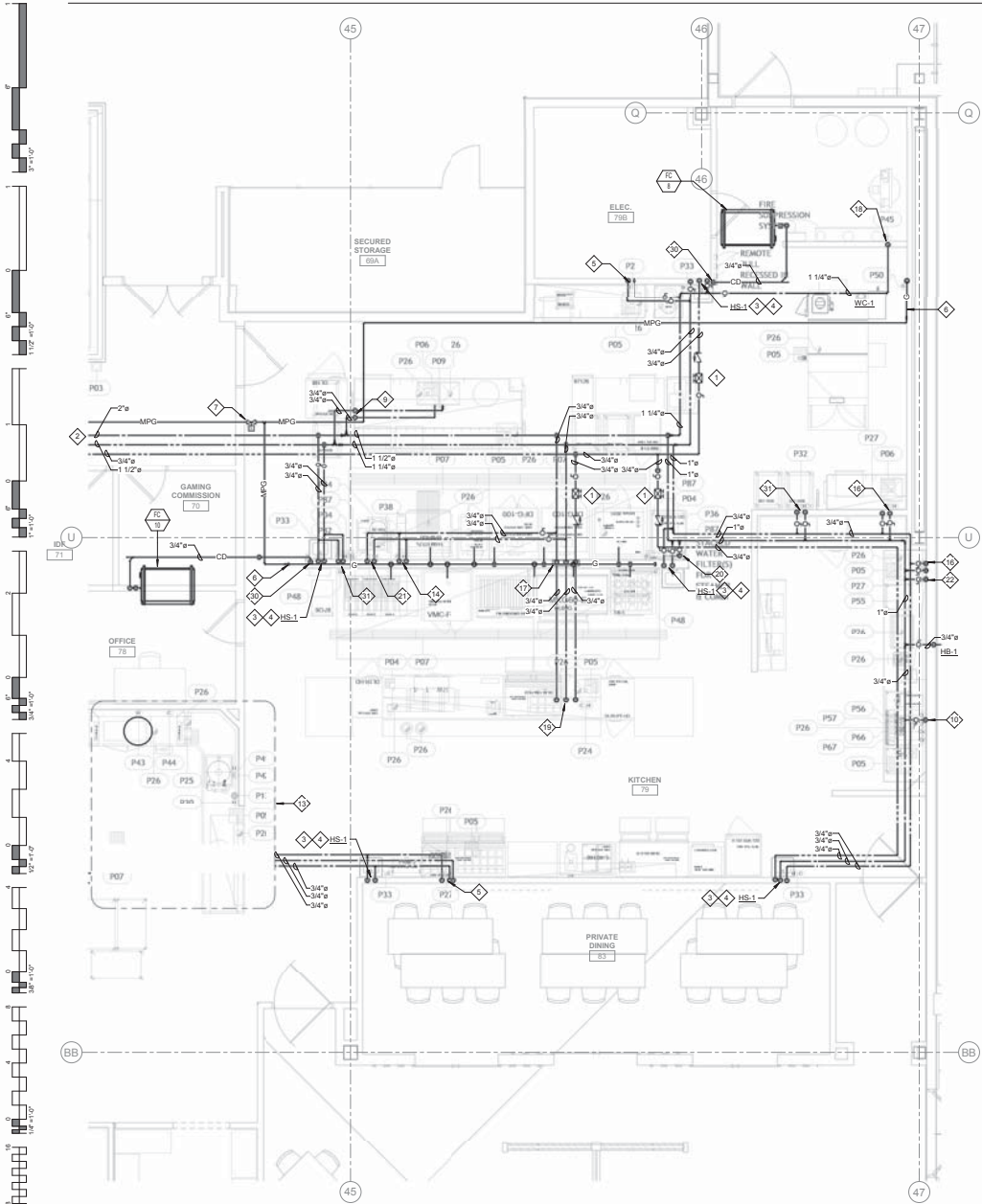
PROJECT NAME:
 BID PACKAGE 05

DATE	REVISION

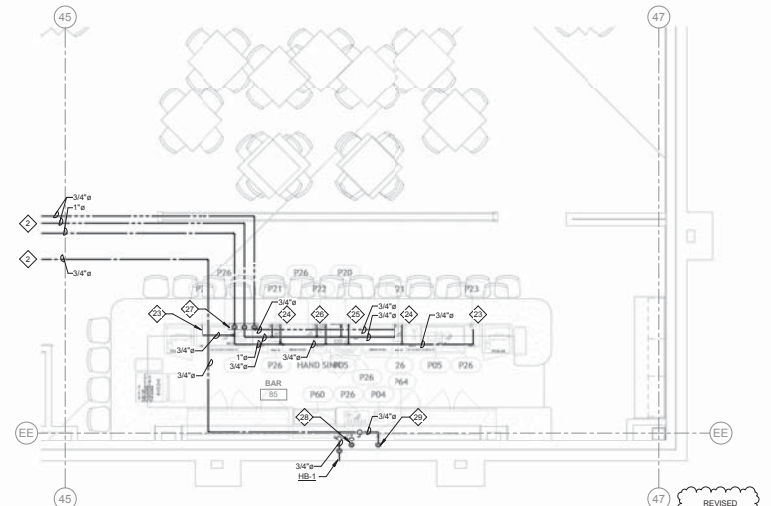
DATE: 05/03/18 JOB NUMBER: 17-06

SHEET NUMBER: PFS-108

PLUMBING FOOD SERVICE WATER & GAS PLAN - BANQUET KITCHEN



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



PLUMBING FOOD SERVICE WATER & GAS PLAN - FINE DINING BAR
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 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 #F080TS BACKFLOW PREVENTER. ICE MACHINES TO BE PROVIDED WITH A WATTS #90 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 RF1 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 8/0 CIRCLET 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. 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. EXTEND 3/4" CW & 3/4" HW BELOW HAND SINK TO HOSE BIB (ITEM #P33).
 5. ROUTE 3/4" CW, 3/4" HW & 3/4" HW/DN IN WALL TO FAUCET (ITEM #P27).
 6. GAS PRESSURE REGULATOR. REFER TO GAS SYMMONS DIAGRAM FURTHER INFORMATION.
 7. PROVIDE EMERGENCY GAS SOLINOID VALVE IN ACCESSIBLE LOCATION.
 8. NOT USED.
 9. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO BELOW COUNTER SERVING FAUCET (ITEM #P30).
 10. ROUTE 3/4" CW DN IN WALL TO CARBONATOR (ITEM #P28) AND ICE MAKER (ITEM #P7). PROVIDE CARBONATOR WITH A WATTS #F080TS BACKFLOW PREVENTER AND ICE MACHINE WITH A WATTS #90 DUAL CHECK VALVE.
 11. NOT USED.
 12. NOT USED.
 13. FOR WORK IN THIS AREA REFER TO SHEET PFS.107.
 14. ROUTE 3/4" CW & 3/4" HW DN IN WALL SERVING KETTLE FAUCET (ITEM #P38).
 15. NOT USED.
 16. ROUTE 3/4" CW & 3/4" HW DN IN WALL TO FAUCET (ITEM #P27).
 17. ROUTE 3/4" CW, 3/4" HW & 3/4" HW/DN WALL SERVING ISLAND FIXTURES.
 18. ROUTE 1" CW DN TO FIRE SUPPRESSION SYSTEM (ITEM #P48). PROVIDE WITH LOCKABLE SHUT OFF VALVE IN THE OPEN POSITION.
 19. ROUTE 3/4" HW & 3/4" HW/DN UP FROM BELOW TO SERVING COUNTER (ITEM #P24). PROVIDE WITH SHUT OFF VALVES ABOVE SLAB.
 20. ROUTE 3/4" CW DN IN WALL TO WATER FILTER AND EXTEND 3/4" CW TO STEAMER (ITEM #P36).
 21. ROUTE 3/4" CW & 3/4" HW DN IN WALL SERVING KETTLE FAUCET (ITEM #P34).
 22. ROUTE 3/4" CW DN IN WALL TO BEVERAGE COUNTER (ITEM #P50).
 23. ROUTE 3/4" CW BELOW COUNTER TO CARBONATOR (ITEM #P23). PROVIDE CARBONATOR WITH WATTS #F080TS BACKFLOW PREVENTER.
 24. ROUTE 3/4" CW & 3/4" HW BELOW COUNTER TO FAUCET (ITEM #P21).
 25. ROUTE 3/4" CW & 3/4" HW BELOW COUNTER TO GLASS WASHER (ITEM #P20).
 26. 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.
 27. PROVIDE APPROPRIATE CONNECTIONS TO 3/4" CW, HW & HW/DN STUB-OUTS AT F.F. ROUTE 3/4" CW, 3/4" HW & 3/4" HW/DN TO FIXTURES BELOW COUNTER.
 28. ROUTE 3/4" CW DN IN WALL TO GLASS RINSE (ITEM #P60).
 29. ROUTE 3/4" CW DN IN WALL TO BACK BAR (ITEM #P64).
 30. ROUTE 3/4" CONDENSATE DRAIN DN WALL TO ADJACENT LAVATORY TAILPIPE. PROVIDE WITH CONDENSATE PUMP WHERE REQUIRED.
 31. ROUTE 3/4" CW & 3/4" HW DN WALL TO HOSE REEL (ITEM #P32).

REVISED ENTIRE SHEET



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT NAME:
BID PACKAGE 05

NO.	DESCRIPTION	DATE
1	ISSUED FOR BIDDING	05/03/18
2	REVISION	05/03/18
3	REVISION	05/03/18
4	REVISION	05/03/18

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

PFS.109
PLUMBING FOOD SERVICE WATER & GAS PLAN - FINE DINING