

STARBUCKS OWNER'S PROJECT REQUIREMENTS AND BASIS OF DESIGN

PLUMBING	OPR	BOD
<b>DELIVERED TEMP</b> See MEP Design Guidelines and Water Supply Matrix		
HOT WATER SYSTEM	140°F	
BREWING	COLD	
HAND SINKS	100-110°F WITHIN 15 SEC.	
PRE-RINSE	100-110°F WITHIN 15 SEC.	
DISHWASHER	COLD	
UTILITY/MOP	110-120°F WITHIN 15 SEC.	
<b>PIPING</b>		
MATERIAL	COPPER OR PEX	
INSULATION	HOT SUPPLY AND RECIRC RETURN	
<b>HOT WATER SYSTEM</b>		
TYPE	50 GAL TANK OR TANKLESS	TANK / TANKLESS
ENERGY SOURCE	GAS PREFERRED WHEN AVAILABLE	GAS / ELECTRIC / HEAT PUMP
EFFICIENCY	98% GAS / 90% ELECTRIC	%
<b>MIXING VALVE</b>		
	140 MAX. DESIGN TEMP TO ACHIEVE FAUCET TEMPS	110°F MIXING VALVE SETPOINT
<b>RECIRCULATION PUMP</b>		
SCHEDULE	CONTINUOUS W/ HOUR OF OPERATION	
<b>WATER EFFICIENCY</b>		
FLOW / CONTROL TYPE		
TOILET	1.28 GPF (4.8 LPF) / MANUAL	
URINAL	0.125 GPF / MANUAL	
METERED SPOON RINSER	2.2 GPM / METERED	
PRE-RINSE VALVE	1.2 GPM / MANUAL	
RESTROOM HAND SINK	0.5 GPM (1.9 LPM) / MANUAL	
BACKLINE HAND SINK	0.5 GPM (1.9 LPM) / MANUAL	
WORKROOM HANDSINK	0.5 GPM (1.9 LPM) / MANUAL	
<b>FILTRATION</b> See MEP Design Guidelines and Water Supply Matrix		
BREWING	FILTERED / SOFTENED W/ CONFIGURATION III	
HAND SINKS	SOFTENED W/ CONFIGURATION III	
HOT WATER	SOFTENED W/ CONFIGURATION III	
PRE-RINSE	SOFTENED W/ CONFIGURATION III	
DISHWASHER	SOFTENED W/ CONFIGURATION III	
UTILITY / MOP	SOFTENED W/ CONFIGURATION III	
<b>ICE MACHINE</b>		
	REMOTE	
<b>DISHWASHER</b>		
	HOBART ADVANSYS	

PLUMBING SCOPE OF WORK SUMMARY

THE FOLLOWING SCOPE OF WORK IS BASED ON THE LANDLORD'S WORK LETTER EXHIBIT C. THIS SCOPE OF WORK IS NOT INTENDED TO INDICATE THE FULL SCOPE, BUT ONLY A BROAD SUMMARY. THE GENERAL CONTRACTOR SHALL REFERENCE THE COMPLETE WORK LETTER FOR A MORE DETAILED DESCRIPTION OF WORK BY BOTH PARTIES. ANY QUESTIONS REGARDING SCOPE SHALL BE BROUGHT TO STARBUCKS ATTENTION FOR CLARIFICATION. RESPONSIBILITY INDICATED BELOW MEANS FURNISHED, PERMITTED AND INSTALLED BY THE PARTY INDICATED.

WORK DESCRIPTION	RESPONSIBILITY	
	LANDLORD	STARBUCKS
WATER SERVICE AND METER		X
BOOSTER PUMP FOR WATER SERVICE		X
BELOW FLOOR / SLAB WASTE, VENT AND WATER PIPES		X
ABOVE FLOOR / SLAB WASTE, VENT AND WATER PIPES		X
PLUMBING VENT(S) THROUGH ROOF	X	
EXTERIOR HOSE BIB(S)	X	
BASE COVERAGE SPRINKLER SYSTEM	X	
SPRINKLER SYSTEM MODIFICATIONS FOR TENANT BUILDOUT	X	

SHEET NOTES

- EXISTING FIXTURE TO REMAIN AS IS. VERIFY EXACT LOCATION. PROTECT DURING NEW WORK.
- RELOCATED EXISTING EQUIPMENT (MASTRENAS). PROTECT EXISTING EQUIPMENT, PLUMBING AND WATER LINES DURING CONSTRUCTION. SEE DETAIL 1/P501.
- EXISTING FLOOR SINK TO REMAIN AS IS. VERIFY EXACT LOCATION. PROTECT DURING NEW WORK.
- NEW ADA COMPLIANT TOILET AND FLUSH VALVE. CONNECT NEW WASTE AND VENT LINE TO EXISTING LINES. COLD WATER TO NEAREST LINES AS REQUIRED. VERIFY EXACT LOCATION AND CONNECTION REQUIREMENTS IN THE FIELD. FLUSH CONTROL ON OPEN SIDE OF FIXTURE.
- NEW FLOOR SINK TO BE CONNECTED TO EXISTING VENT AND SANITARY SEWER. VERIFY EXACT LOCATION AND CONNECTION REQUIREMENTS. SAW CUT ONLY. PATCH FLOOR TO MATCH. SEE DETAIL 2/P502.
- NEW WORK SINK AND FAUCET. CONNECT NEW WASTE AND VENT LINE. HOT AND COLD WATER TO NEAREST EXISTING LINES AS REQUIRED. VERIFY EXACT LOCATION AND CONNECTION REQUIREMENTS IN THE FIELD.
- EXISTING TANKLESS GAS WATER HEATER. NORITZ MODEL NC250-SV-ASME, 252 GAL/HR RECOVERY RATE, 250 MBH INPUT, SERIAL NO. 2013.05-0010. MFG. DATE 05/2013.
- FOR CONNECTION REQUIREMENTS SEE SHEET P601 FOR THE PLUMBING FIXTURE CONNECTION SCHEDULE.
- NEW KEG DISPENSING SYSTEM. SEE DETAIL 4/P501 FOR INDIRECT DRAIN TO FLOOR DRAIN.
- NEW ADA COMPLIANT LAVATORY AND FLOOR CONNECT NEW WASTE AND VENT LINE. HOT AND COLD WATER TO NEAREST EXISTING LINES AS REQUIRED. VERIFY EXACT LOCATION AND CONNECTION REQUIREMENTS. PROVIDE ASSE 1070 TMV UNLESS TEMPERED WATER IS AVAILABLE. SET TO 110°F.
- NEW HAND SINK AND FAUCET. CONNECT NEW WASTE AND VENT LINE. HOT AND COLD WATER TO NEAREST EXISTING LINES AS REQUIRED. VERIFY EXACT LOCATION AND CONNECTION REQUIREMENTS IN THE FIELD. PROVIDE ASSE 1070 TMV UNLESS TEMPERED WATER IS AVAILABLE. SET TO 110°F.

PLUMBING SUPPLY PLAN NOTES

- FURNISH AND INSTALL A COMPLETE AND OPERATING SYSTEM. ALL ITEMS ARE NOT NECESSARILY SHOWN.
- PLUMBING CONTRACTOR RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO START OF WORK TO REVEAL FULL SCOPE OF WORK.
- ALL PLUMBING LINES TO BE ROUTED SUCH THAT THEY ARE NOT VISIBLE TO CUSTOMERS.
- REFER TO MANUFACTURER SPECIFICATIONS FOR LOCATION OF CONNECTIONS UNLESS OTHERWISE NOTED.
- COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTION TO ALL PLUMBING EQUIPMENT.
- REFERENCE WORKLETTER FOR DIVISION OF PLUMBING SCOPE OF WORK AND COORDINATE WITH STARBUCKS CONSTRUCTION MANAGER.
- DIMENSIONS ARE TO FINISH UNLESS OTHERWISE NOTED.
- REFER TO DETAIL SCHEDULES FOR PLUMBING FITTINGS LOCATED IN CASEWORK.
- COLD WATER SUPPLY LINES INSIDE CASEWORK AND BAR AREA TO BE COVERED WITH 1/2" (10MM) THICK SELF HEALING SECTIONAL CLOSED-CELL FOAM INSULATION. REFER TO SPECIFICATIONS FOR HOT WATER SUPPLY LINE INSULATION REQUIREMENTS.
- PLUMBING CONTRACTOR SHALL CONTACT WATER FILTRATION SUPPLIER TO COORDINATE SOW AND SCHEDULE PRIOR TO INSTALLATION OF WATER FILTRATION SYSTEM.
- REFER TO RISER DIAGRAMS AND PLUMBING FIXTURE SCHEDULES FOR ALL PIPING AND PIPE SIZES NOT SHOWN ON PLAN. RISER DIAGRAMS ARE SCHEMATIC IN NATURE AND DO NOT REFLECT EVERY OFFSET, RISER OR UNION. PIPE FITTINGS AND UNIONS, IF SHOWN ON THE RISER, SHALL NOT BE USED FOR TAKE-OFF OR ESTIMATING PURPOSES.
- ROUTE PIPING ON THE INTERIOR SIDE OF INSULATION WHEN SHOWN ROUTED INSIDE INSULATED FURRED WALLS TO PROVIDE FREEZE PROTECTION.
- UTILIZE EXISTING ROUGH-INS WHEREVER POSSIBLE. VERIFY EXACT SIZES AND LOCATIONS IN FIELD.
- ALL EXISTING PLUMBING SHOWN IS BASED ON AS-BUILT REFERENCES. PLUMBING CONTRACTOR TO VERIFY EXACT LOCATION AND CONNECTION REQUIREMENTS IN THE FIELD. PLUMBING CONTRACTOR TO VERIFY EXISTING SIZES PRIOR TO CONNECTION NEW PIPE TO EXISTING PIPE.



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STARBUCKS TEMPLATE VERSION I2019.01.11

Jason M. Scates  
P.E.  
SUITE 5274 478-636-0004  
1805 N 2ND ST JOB NO.: 23138  
ROGERS, AR 72756 DESIGNED BY: RAC



PROJECT NAME:  
**CUSICK & ALCOA**

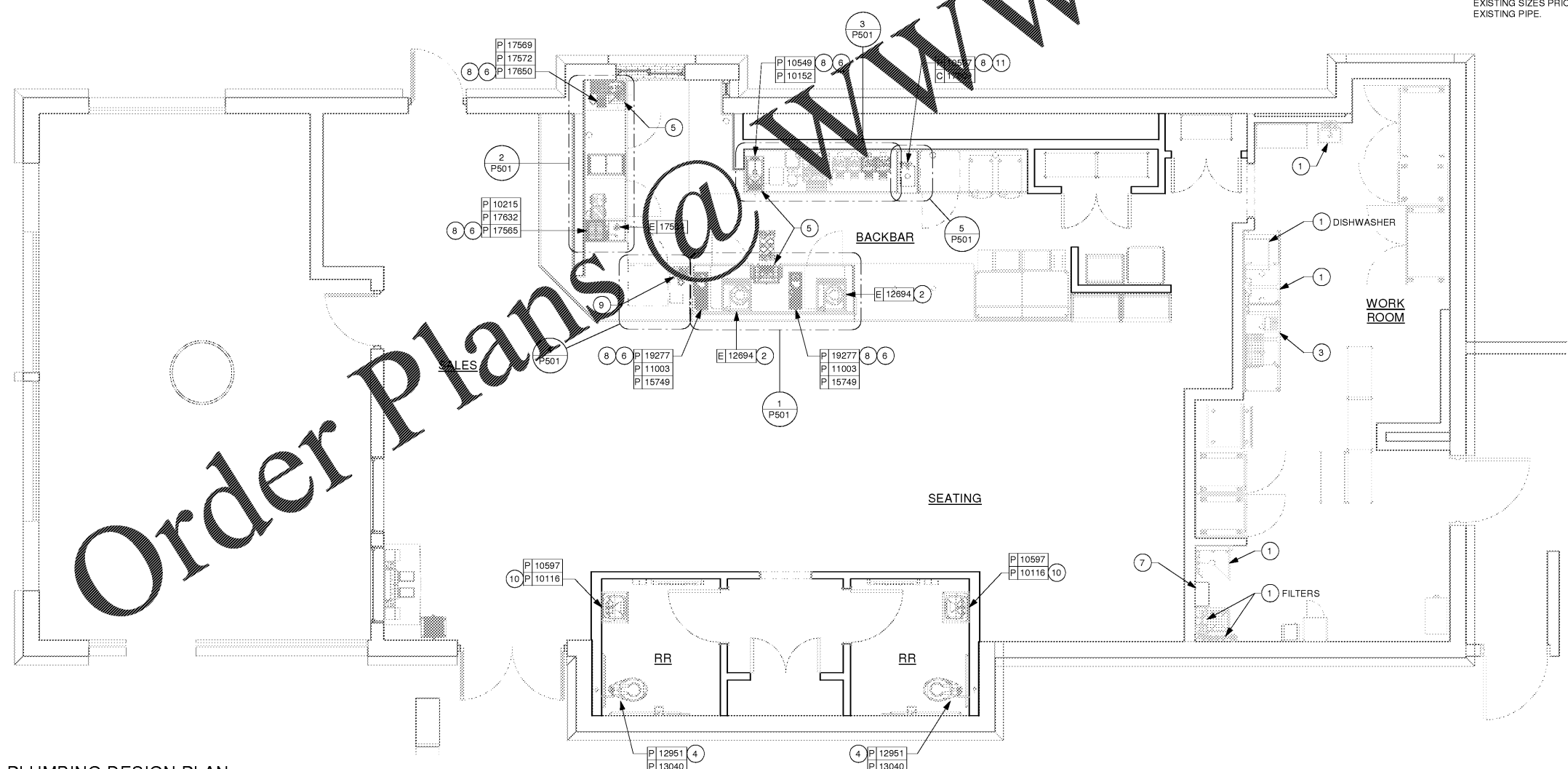
PROJECT ADDRESS:  
121 CUSICK ROAD  
ALCOA, TN 37701  
BLOUNT COUNTY

STORE #: 11293  
PROJECT #: 36099-035  
ISSUE DATE: 04.25.19  
DESIGN MANAGER: L. MACEDA  
PRODUCTION DESIGNER: RAC  
CHECKED BY: JMS

Revision Schedule			
Rev	Date	By	Description

SHEET TITLE:  
**PLUMBING DESIGN PLAN**  
SCALE: AS SHOWN

SHEET NUMBER:  
P101



1 PLUMBING DESIGN PLAN  
Scale: 1/4" = 1'-0"

CONSTRUCTION DOCUMENTS - ISSUED FOR CONSTRUCTION USE