

STARBUCKS OWNER'S PROJECT REQUIREMENTS AND BASIS OF DESIGN

HVAC	OPR	BOD
ASHRAE CLIMATE ZONE		1-8, A-C
STARBUCKS CLIMATE ZONE		AB
SEISMIC		
RESTRAINTS	WHEN REQUIRED BY CODE	
<b>HVAC CONTROL SYSTEM (AT LEAST ONE REQUIRED)</b>		
MANUFACTURER	SEE PROJECT MANUAL FOR APPROVED MANUFACTURERS	
EMS	VENSTAR SURVEYOR	
SCHEDULE	ON MINUS 1 HOUR OPEN TO PLUS 1 HOUR CLOSE	
BUILDING DIRECT DIGITAL CONTROLS	ONLY W/ LL BUILDING SYSTEM	
DEMAND CONTROL VENTILATION	PREFERRED FOR FOH	
CO2 SETPOINT FOR DCV AND STAND ALONE MONITORS	1000 PPM	
OUTSIDE AIR (CFM)	ASHRAE 62.1	
ECONOMIZER	REQUIRED IN ALL CLIMATE ZONES	
COOLING CAPACITY (TONS)	ASHRAE 90.1 / ASHRAE 55	
HEAT SOURCE	GAS PREFERRED WHEN AVAILABLE	
<b>HVAC SYSTEMS</b>		
DEDICATED UNIT(S)	PACKAGED OR SPLIT	
BASE BUILDING SYSTEM	PER BUILDING / LL	
<b>DESIGN TEMPERATURES</b>		
Using the ASRAE Design Day and MER Design Guidelines to achieve coldest seasonal set point for cooling and warmest seasonal setpoint for heating		
OCCUPIED COOLING	75°F/24°C	
UNOCCUPIED COOLING	78°F/25°C	
OCCUPIED HEATING	70°F/21°C	
UNOCCUPIED HEATING	60°F/16°C	
DEADBAND	± 5°F	
TEMP OVERRIDE LIMIT	2 HOURS	
<b>EXHAUST - Greentech</b>		
RESTROOMS	MIN 80 CFM / RESTROOM	
OVENS	70 CFM / OVEN	
SCHEDULE	SAME AS RTU SCHEDULE	
CONTROLS	CONTINUOUS OPERATION WITHIN SCHEDULE	
<b>AIR CURTAIN</b>		
SYSTEM	AS REQUIRED BY CODE	
CONTROL	TIED TO MICROSWITCH IN DT WINDOW	

SHEET NOTES

- EXISTING DIFFUSERS AND GRILLES TO REMAIN AS IS. PROTECT DURING NEW WORK.
- RELOCATE CEILING GRILLES TO NEW LOCATION AS SHOWN. VERIFY EXACT LOCATION IN THE FIELD. RECONDITION AND CLEAN AS REQUIRED. MATCH EXISTING CFM.
- PROVIDE LOW VOLTAGE CARBON MONOXIDE DETECTOR AT 60" (1525MM) AFF IF ONE IS NOT PRESENT. COORDINATE LOCATION WITH THE WATER HEATER MANUFACTURERS INSTALLATION GUIDELINES AND STARBUCKS SECURITY SYSTEM VENOR

GENERAL NOTES

- SEE ARCHITECTURAL SHEETS FOR PAINTING AND COLORS OF ALL EXPOSED DUCTWORK, DIFFUSERS AND GRILLES.
- SEE ARCHITECTURAL SHEETS FOR DIMENSIONED DIFFUSER & EXPOSED DUCT LOCATIONS.
- DIFFUSERS AND RETURN GRILLES SHALL BE CENTERED IN CEILING TILE, UNLESS OTHERWISE NOTED.
- REFERENCE LANDLORD WORK LETTER FOR DIVISION OF MECHANICAL SCOPE OF WORK AND COORDINATE WITH STARBUCKS CONSTRUCTION MANAGER.
- INSTALL TURNING VANES, OR USE RADIUS FITTINGS, ON ALL 90 DEGREE RECTANGULAR ELBOWS AND TEES IN SUPPLY DUCTWORK.



**STARBUCKS**  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

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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**

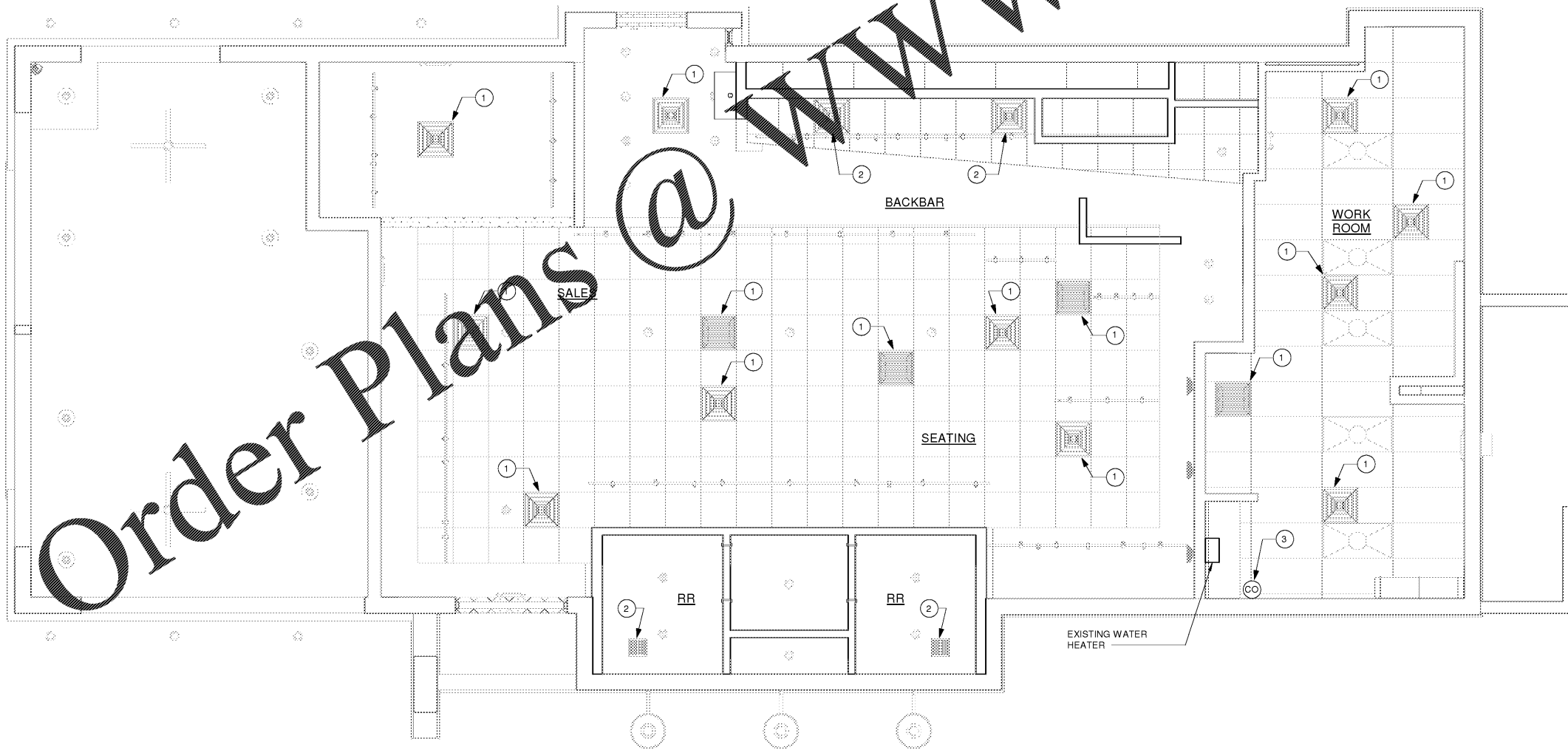
PROJECT ADDRESS:  
121 CUSICK ROAD  
ALCOA, TN 37701  
BLOUNT COUNTY

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:  
**MECHANICAL DESIGN PLAN**  
SCALE: AS SHOWN

SHEET NUMBER:  
**M101**



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

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