

Order Plans @

**ABBREVIATIONS**

3PL	THIRD PARTY LOGISTICS
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITIES HAVING JURISDICTION
APPROX	APPROXIMATE
BLDG	BUILDING
CBL	COLD BEVERAGE LINE
CLG	CEILING
CONST	CONSTRUCTION
CW	DOMESTIC COLD WATER
CXA	COMMISSIONING AGENT
DEG	DEGREES
DTL	DETAIL
DN	DOWN
DWG(S)	DRAWING(S)
EA	EACH
ELEC	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
EM	EMERGENCY
(E) OR (EX)	EXISTING
EXT	EXTERIOR
FD	FLOOR DRAIN
FS	FLOOR SINK
F&I	FURNISH & INSTALL
FLR	FLOOR
FT	FOOT/FEET
FCO	FLOOR CLEANOUT
FW	FILTERED COLD WATER
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GW	GREASE WASTE
HR	HOUR
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
HW	HOT WATER
HS	HANDSINK
HWR	HOT WATER RETURN
IW	INDIRECT WASTE
LL	LANDLORD
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, AND PLUMBING
MFG	MANUFACTURER
MIN	MINIMUM
MS	MOP SINK
NTS	NOT TO SCALE
PC	PLUMBING CONTRACTOR
PS	PREP SINK
POC	POINT OF CONNECTION
PM	PROJECT MANAGER
REF	REFERENCE
REQ(D)	REQUIRED
REV	REVISION
SAN	SANITARY WASTE
SF	SQUARE FEET
SHF	SHEET
SPECS	SPECIFICATION(S)
SST	STAINLESS STEEL
TEL	TELEPHONE
TEMP	TEMPORARY
TYP	TYPICAL
TMV	TEMPERATURE MIXING VALVE
TW	TEMPERED WATER
UNO	UNLESS NOTED OTHERWISE
V	VENT
WH	WATER HEATER
WP	WEATHER PROOF
WCO	WALL CLEANOUT

**PLUMBING SYMBOL LEGEND**

— SAN —	SAN	SANITARY OR WASTE PIPING BELOW SLAB
--- VENT ---	V	VENT PIPING
— GW —	GW	GREASE WASTE
— CBL —	CBL	COLD BEVERAGE LINE
— CD —	CD	CONDENSATE DRAIN
— CW —	CW	COLD WATER PIPING
— HW —	HW	HOT WATER PIPING
— HWR —	HWR	HOT WATER RETURN PIPING
— FW —	FW	COLD WATER FILTERED
— CWN —	CWN	COLD WATER NANO FILTERED
— CWS —	CWS	COLD WATER SOFTENED
— TW —	TW	TEMPERED WATER
— RO —	RO	REVERSE OSMOSIS WATER
— GAS —	GAS	GAS PIPING
— RD —	RD	REFRIGERANT DISCHARGE PIPING
— RS —	RS	REFRIGERANT SUCTION PIPING
— BV —	BV	BALL VALVE
— GV —	GV	GATE VALVE
— CH.V —	CH.V	CHECK VALVE
— RV —	RV	RELIEF VALVE
— HB —	HB	HOSE BIBB
— SA —	SA	SHOCK ABSORBER
— STR —	STR	STRAINER
— WCO —	WCO	WALL CLEANOUT
— FCO —	FCO	FLOOR CLEANOUT
— FD —	FD	FLOOR DRAIN
— FS —	FS	FLOOR SINK
— BFP —	BFP	BACKFLOW PREVENTER
— WM —	WM	WATER METER
— CON —	CON	CONNECT TO EXISTING

**PLUMBING SCOPE OF WORK SUMMARY**

THE FOLLOWING SCOPE OF WORK IS BASED ON THE LANDLORD'S WORKLETTER 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 WORKLETTER 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 BIBB(S)	X	
BASE COVERAGE SPRINKLER SYSTEM	X	
SPRINKLER SYSTEM MODIFICATIONS FOR TENANT BUILDOUT	X	
EXTERIOR GREASE INTERCEPTOR	X	

**GENERAL PLUMBING NOTES**

- EXPOSED/SURFACE MOUNTED PIPING IS ONLY ALLOWED IN THE BAR AREA UNDER COUNTERTOPS, WHERE IT DOES NOT OBSTRUCT CABINETS/DEVICES AND WHERE APPROVED BY STARBUCKS CONSTRUCTION MANAGER. IF ROUTED THROUGH CABINETS, IT SHALL BE ROUTED TO MAXIMIZE STORAGE SPACE AND BE PROTECTED FROM DAMAGE.
- CONTRACTOR TO VERIFY ALL DIMENSIONS, INCLUDING CLEARANCES REQUIRED BY OTHER TRADES, AND NOTIFY STARBUCKS CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK. ALL DIMENSIONS ARE TO THE FACE OF THE FINISHED SURFACE UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO BE TAKEN FROM ACTUAL BUILDING DIMENSIONS.
- THE PLUMBING CONTRACTOR SHALL COORDINATE PLUMBING WORK WITH OTHER TRADES. THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. SEE ARCHITECT DRAWINGS FOR FIXTURES IN CASEWORK AND PLUMBING DETAILS.

**GENERAL NOTES**

**LEED**  
ALL WORK, MATERIALS AND EQUIPMENT SHALL MEET LEED REQUIREMENTS & CODE. IN CASE OF CONFLICT, THE HIGHER STANDARD SHALL APPLY.

**PIPING**

**SOIL, WASTE, AND VENT PIPING**  
SEE THE PROJECT MANUAL FOR PIPE MATERIALS. COORDINATE WITH LOCAL AND STATE REQUIREMENTS FOR EQUIPMENT DESIGNATED WITH INDIRECT WASTE AND FLOOR SINKS. PROVIDE PIPED DRAIN (P-TRAP AND VENT) TO SANITARY IF REQUIRED BY LOCAL JURISDICTION.

**CONDENSATE DRAINAGE PIPING**  
SEE THE PROJECT MANUAL FOR PIPE MATERIALS.

**NATURAL GAS PIPING**  
SEE THE PROJECT MANUAL FOR PIPE MATERIALS.

**TESTING**  
ALL PIPES SHALL BE TESTED BY AN APPROVED METHOD BEFORE THEY ARE BACKFILLED OR CONCEALED. AFTER TESTING IS COMPLETE, THE PLUMBING CONTRACTOR SHALL DISINFECT THE POTABLE WATER SYSTEM AS REQUIRED BY LOCAL AUTHORITY. TEST WATER PURITY ACCORDING TO LOCAL REQUIREMENTS AND SUBMIT CERTIFIED TEST RESULTS TO ENGINEER FOR REVIEW AND APPROVAL.

**NITROGENATION**

STARBUCKS NITROGENATION VENDOR WILL PROVIDE AND INSTALL EQUIPMENT AND FITTINGS, IF APPLICABLE, TO PROJECT SCOPE FOR NITRO STATION. GENERAL CONTRACTOR SHALL COORDINATE NITRO SYSTEM INSTALLATION WITH STARBUCKS VENDOR.

**PLUMBING FIXTURES**

**WATER FILTRATION**  
STARBUCKS WATER FILTRATION VENDOR WILL FURNISH FILTRATION SYSTEM. GENERAL CONTRACTOR SHALL CONFIRM WITH STARBUCKS CONSTRUCTION MANAGER WHETHER VENDOR OR PLUMBING CONTRACTOR SHALL INSTALL FILTRATION SYSTEM.

**CONNECTIONS**  
THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO EQUIPMENT INCLUDING REQUIRED MATERIAL SUCH AS PIPING, VALVES, FILTERS, TRAPS, CHECKS VALVES, VACUUM BREAKERS, AND FLEXIBLE AND RIGID TUBING.

PROVIDE AND COORDINATE LINE VOLTAGE WIRING, LINE VOLTAGE CONTROL AND INTERLOCK WIRING FOR MECHANICAL SYSTEMS, AND LOW VOLTAGE CONTROL WIRING. FURNISH WIRING DIAGRAMS TO THE ELECTRICAL CONTRACTOR AS REQUIRED FOR PROPER EQUIPMENT INSTALLATION. COORDINATE ACTUAL WIRE SIZING AMPS FOR PLUMBING EQUIPMENT (FROM THE EQUIPMENT NAMEPLATE) WITH THE ELECTRICAL CONTRACTOR TO ENSURE PROPER INSTALLATION.

**LANDLORD REQUIREMENTS**

**PRIOR TO BID**  
THE CONTRACTOR SHALL COORDINATE WITH LANDLORD / BUILDING OWNER FOR ANY CONSTRUCTION REQUIREMENTS. IF LANDLORD / BUILDING OWNER DOES HAVE REQUIREMENTS, CONTRACTOR SHALL BECOME COMPLETELY FAMILIAR WITH REQUIREMENTS AND ADHERE TO THEM. WHERE LANDLORD / BUILDING OWNER REQUIREMENTS ARE MORE STRINGENT THAN SHOWN IN THESE PLANS (IN THE OPINION OF THE ENGINEER), LANDLORD / BUILDING OWNER REQUIREMENTS SHALL GOVERN.



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STARBUCKS TEMPLATE VERSION | 2019.01.11

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Revision Schedule		
Rev	Date	Description

SHEET TITLE:  
**PLUMBING NOTES**

SCALE: AS SHOWN

SHEET NUMBER:  
**P-001**