

**WASTE & WATER SERVICE CALCULATIONS:**

EQUIPMENT	QTY	WASTE			COLD			HOT		
		F.U.	TOT.	F.U.	TOT.	F.U.	TOT.	F.U.	TOT.	
THREE COMPARTMENT SINK	1	-	-	2.25	2.25	2.25	2.25	INDIRECT TO FLOOR SINK		
MOP SINK	1	3	3	2.25	2.25	2.25	2.25			
HAND SINK	2	1	2	0.5	1	0.5	1			
EMERGENCY FLOOR DRAIN	2	-	-	-	-	-	-			
FLOOR DRAIN	-	5	-	-	-	-	-			
FLOOR SINK	10	5	50	-	-	-	-			
ICE MACHINE	1	-	-	0.5	0.5	-	-	INDIRECT TO FLOOR SINK		
KITCHEN SINK	5	-	-	3	15	3	15	INDIRECT TO FLOOR SINK		
WATER CLOSET	2	4	8	5	10	-	-			
URINAL	-	4	-	5	-	-	-			
LAVATORY	2	1	2	1.5	3	1.5	3			
ESPRESSO MACHINE	3	-	-	1	3	-	-	INDIRECT TO FLOOR SINK		
COFFEE BREWER	2	-	-	1	2	-	-			
WAREWASHER	1	-	-	6	6	-	-	INDIRECT TO FLOOR SINK		
BEVERAGE STATION	-	-	-	1	-	-	-	INDIRECT TO FLOOR SINK		
KITCHEN SINK	1	-	-	3	3	-	-	INDIRECT TO FLOOR SINK		
<b>TOTAL</b>				<b>85</b>	<b>48</b>		<b>23.5</b>			

**ELECTRIC WATER HEATER**

TAG	11109
GALLON CAPACITY	50
VOLTAGE/PHASE	208/3
UPPER/LOWER WATTAGE	4500/4500
NO. OF ELEMENTS	2 (SIMULTANEOUS)
GPH RECOVERY @ 80°	45
MANUFACTURER	A.O. SMITH
MODEL	DEL-50

DESIGN ID	COUNT	DESCRIPTION	RESP.	SERVES	W	IW	V	CW	CSW	FW	HW	TW	COMMENTS
<b>DRAIN</b>													
10294	10	DRAIN - FLOOR SINK SQUARE - 12IN 305MM	SB-GC	-	3"	-	2"	-	-	-	-	-	
10726	10	DRAIN - GRATE HALF SQUARE - 12IN 305MM	SB-GC	-	-	-	-	-	-	-	-	-	
X0100	2	FLOOR DRAIN - 6" ROUND	GC-GC	RESTROOMS	3"	-	2"	-	-	-	-	-	ZURN ZN415B
<b>FAUCET</b>													
10152	1	FAUCET - DOUBLE LABORATORY WITH BENT RISER SPOUT	SB-GC	10549	-	-	-	1/2"	-	-	1/2"	-	2.2GPM
10153	3	FAUCET - WATER TOWER - 12IN 305MM	SB-GC	12807, 12808, 18743	-	-	-	-	-	1/2"	-	-	
10215	4	FAUCET - DOUBLE LABORATORY WITH SWING SPOUT	SB-GC	12807, 12808, 17565, 18743	-	-	-	1/2"	-	-	1/2"	-	2.2GPM
10447	1	FAUCET - PRE RINSE SPRAYER WALL MOUNTED	SB-GC	13264	-	-	-	-	-	-	1/2"	-	1.2GPM
10597	3	FAUCET - SINGLE HANDLE	SB-GC	10116, 17809	-	-	-	1/2"	-	-	-	1/2"	0.5GPM AERATOR
10804	1	FAUCET - PRE RINSE SWING SPOUT	SB-GC	13264	-	-	-	1/2"	-	-	1/2"	-	1.2GPM
10874	3	FAUCET - HOT WATER DISPENSER GOOSENECK	SB-GC	12807, 12808, 18743	-	-	-	-	-	1/2"	-	-	
10922	1	FAUCET - MOP SINK WALL MOUNTED	SB-GC	10995	-	-	-	1/2"	-	-	1/2"	-	
11003	2	FAUCET - DIPPERWELL	SB-GC	12807, 12808	-	-	-	1/2"	-	-	-	-	0.5GPM METERED
13588	1	FAUCET - HAND SINK WALL MOUNTED	SB-GC	14688	-	-	-	1/2"	-	-	-	1/2"	0.5GPM AERATOR
17572	1	FONT - TAP SINGLE HANDLE	SB-GC	17650	-	-	-	-	-	1/2"	-	-	
18743	1	PREP STATION SINK	SB-GC	10874, 10153, 10215	-	1-1/2"	1-1/2"	-	-	-	-	-	
<b>FILTER</b>													
12501	1	FILTER - RO SYSTEM 600GPD	SB-GC	-	-	-	-	-	-	-	-	-	PENTAIR
12507	1	FILTER - RO SYSTEM 40GAL STORAGE TANK	SB-GC	-	-	-	-	-	-	-	-	-	PENTAIR
12896	1	FILTER - BRINE TANK	SB-GC	-	-	-	-	-	-	-	-	-	PENTAIR
12899	2	FILTER - POLY GLASS VESSEL	SB-GC	-	-	-	-	-	-	-	-	-	PENTAIR
13076	1	FILTER - PREFILTRATION SYSTEM	SB-GC	-	-	-	-	-	-	-	-	-	PENTAIR
13082	1	FILTER - WATER SOFTENER TWIN	SB-GC	-	-	-	-	-	-	-	-	-	PENTAIR
13149	1	FILTER - PRESSURE GAUGE	SB-GC	-	-	-	-	-	-	-	-	-	PENTAIR
<b>OTHER</b>													
11109	1	WATER HEATER 50GAL 190L ELECTRIC	GC-GC	-	-	-	-	-	-	-	3/4"	-	A.O. SMITH; MODEL NO.: DEL-50, 9 KW
<b>SINK</b>													
10116	2	SINK - RESTROOM WALL MOUNTED	SB-GC	10597	2"	-	1 1/2"	-	-	-	-	-	
10549	1	SINK - RINSE DROP IN SST - 12X20IN 305X510MM	SB-GC	10152	-	1"	-	-	-	-	-	-	
10995	1	SINK - MOP - 24X24IN 610X610MM	SB-GC	10922	3"	-	2"	-	-	-	-	-	
12807	1	SINK - UTENSIL RINSE WITH GRATE SST - LH - 14X20IN 355X510MM	SB-GC	10153, 10874, 10215, 11003	-	1 1/2"	-	-	-	-	-	-	ELKAY
12808	1	SINK - UTENSIL RINSE WITH GRATE SST - RH - 14X20IN 355X510MM	SB-GC	10153, 10874, 10215, 11003	-	1 1/2"	-	-	-	-	-	-	ELKAY
13264	1	SINK - 3 COMP WORK SST - 93IN 2350MM	SB-GC	10447, 10804	-	2"	-	-	-	-	-	-	ELKAY
14688	1	SINK - HAND WALL MOUNTED WITH SIDE SPLASH SST	SB-GC	14688	2"	-	1 1/2"	-	-	-	-	-	
17565	1	SINK - RINSE WITH DRAINBOARD DROP IN - 15X27IN	SB-GC	10152, 10874	-	1 1/2"	-	-	-	-	-	-	
17569	1	SINK - RINSE 24X8IN WITH INTEGRAL PITCHER RINSER	SB-GC	17569	-	1"	-	1/2"	-	-	-	-	
17650	1	DRAIN TRAY - 8X5IN	SB-GC	17572	-	2"	-	-	-	-	-	-	
18743	1	PREP STATION SINK	SB-GC	10874, 10153, 10215	-	1-1/2"	1-1/2"	-	-	-	-	-	
<b>TOILET</b>													
X0110	2	TOILET - TANK EFFICIENT SINGLE FLUSH; 1.0GPF	GC-GC	-	3"	-	2"	1/2"	-	-	-	-	KOHLER MODEL K-3519 FINISH: WHITE #0. REQUIRES SEPARATE SEAT MODEL K-4650; 1.0 GPF
<b>EQUIPMENT</b>													
10746	1	BREWER DUAL SOFT HEAT	SB-GC	-	-	-	-	-	-	1/2"	-	-	
15186	1	DISHWASHER SANITIZER	SB-GC	-	-	3/4"	-	-	1/2"	-	-	-	
17588	1	NITRO STATION	SB-GC	-	-	1/2"	-	-	-	-	-	-	
12694	2	ESPRESSO MACHINE MASTRENA	SB-GC	-	-	-	-	-	-	1/2"	-	-	
17564	1	PITCHER RINSER	SB-GC	17565	-	-	-	1/2"	-	-	-	-	
X0119	1	HOT WATER RECIRCULATION PUMP	GC-GC	-	-	-	-	-	1/2"	-	-	-	BELL & GOSSETT MODEL NBF-9U WET ROTOR INLINE TYPE WITH HONEYWELL L6006C SURFACE MOUNTED AQUASTAT
<b>ICE</b>													
10344	2	ICE - BIN DROP IN 90LB 40KG	SB-GC	-	-	3/4"	-	-	-	-	-	-	
10527	2	ICE - BIN DROP IN 90LB 40KG	SB-GC	-	-	3/4"	-	-	-	-	-	-	
10480	1	ICE - MACHINE 1954LB REFRIG AIR COOLED	SB-GC	-	-	3/4"	-	-	-	1/2"	-	-	
18029	1	ICE - BIN 80LB	SB-GC	-	-	3/4"	-	-	-	-	-	-	
<b>BASEWORK</b>													
17809	1	CABINET WITH HAND SINK	SB-GC	10597	2"	-	1 1/2"	-	-	-	-	-	



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

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED IN WHOLE OR IN PART, SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION (UNDER LIABILITY TO THE OTHER (EXCEPT STATED ABOVE)) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

**Design Forum Architects Inc.**  
 3100 W. Park Drive, Suite 400  
 Englewood, CO 80150  
 Tel: (303) 411-2210  
 Thomas J. Dodson  
 Architect/Designer  
 Lic: 000000

**Design Forum Engineering**  
 100 W. South Street, Suite 400  
 Chesapeake, VA 23041  
 Tel: (757) 521-2210  
 Thomas J. Dodson  
 Professional Engineer  
 Lic: 000000

Revision Schedule		
Rev	Date	Description

PROJECT NAME:  
**CYPRESS GARDENS  
 BLVD & ROOSEVELT**

PROJECT ADDRESS:  
**5709 CYPRESS GARDENS BLVD.  
 WINTER HAVEN, FL 33884**

STORE #: 50175  
 PROJECT #: 73763-001  
 ISSUE DATE: 05/02/2018  
 PROGRAM MANAGER: ROMINA VIGNOLO  
 LEED® AP: STARBUCKS  
 PRODUCTION DESIGNER: MICHAEL B. SARKA  
 CHECKED BY: ANA COSTANZO

SHEET TITLE:  
**PLUMBING SCHEDULES**

SCALE: As Indicated

SHEET:  
**P-0002**

Order Plans @ [www.worldline.com](http://www.worldline.com)