

WATER HEATER SCHEDULE				
TAG	DESCRIPTION	MBH INPUT	RECOVERY	MANUFACTURER/ MODEL NO.
DWH-1	GAS-FIRED INSTANTANEOUS DOMESTIC WATER HEATER	15,200 - 199,000	3.8 GPM @ 100° RISE	RINNAI CU199I
DWH-2	GAS-FIRED INSTANTANEOUS DOMESTIC WATER HEATER	15,200 - 199,000	3.8 GPM @ 100° RISE	RINNAI CU199I

COMMENTS:  
1. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION  
2. U.L. LISTED  
3. PROVIDE REMOTE CONTROLLERS  
4. SET HOT WATER SUPPLY TEMPERATURE TO 140 DEGREES F

GAS CONNECTED LOAD SCHEDULE				
TAG	EQUIPMENT	INLET CONNECTION	MIN. SUPPLY INLET PRESSURE (WC)	INPUT LOAD (CFH)
43	3—BANK DEEP FRYER	1"	3.5"	225
DWH—1	TANKLESS WATER HEATER	3/4"	5"	199
DWH—2	TANKLESS WATER HEATER	3/4"	5"	199
RTU—1	HVAC ROOFTOP UNIT	3/4"	5"	65
RTU—2	HVAC ROOFTOP UNIT	3/4"	5"	130
RTU—3	HVAC ROOFTOP UNIT	3/4"	5"	65
			TOTAL	883

PLUMBING EQUIPMENT SCHEDULE				
TAG	ITEM	MANUFACTURER	MODEL NO.	COMMENTS
TP-1	TRAP PRIMER	PRECISION PLUMBING	PR-500	ALL BRASS BODY TRAP PRIMER VALVE, PRESSURE DROP OF 5 - 10 PSIG OPENS VALVE, OPERATING RANGE: 35 - 75 PSIG, 1/2" MALE NPT INLET CONNECTION, 1/2" FEMALE NPT OUTLET CONNECTION.
ET-1	EXPANSION TANK	ZURN	XT-18	THERMAL EXPANSION TANK, MOUNT ON WALL NEAR WATER HEATER. SEE PLANS FOR EXACT LOCATION. REFER TO DETAIL ON SHEET P4.20.
RP-1	DOMESTIC HOT WATER RECIRCULATION PUMP	GRUNDFOS	ALPHA2 15-55SF	ALL BRONZE CONSTRUCTION, LISTED FOR POTABLE WATER SERVICE AND 120 PSIG WORKING PRESSURE, 6.3 GPM AT 6 FEET OF HEAD, 115 VOLTS, 45 WATTS, SINGLE PHASE, 3250 RPM. MOUNT PUMP NEAR WATER HEATER IN ACCESSIBLE LOCATION. PUMP TO BE ON A TIMECLOCK. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
HB-1	EXTERIOR WALL HYDRANT	ZURN	Z1321-C-BFP	EXTERIOR FREEZEPROOF WALL HYDRANT RECESSED IN LOCKABLE WALL BOX. AUTOMATIC DRAINING WITH INTEGRAL ASSE 1052 APPROVED DOUBLE CHECK BACKFLOW PREVENTER, LOOSE KEY, HARDENED STAINLESS STEEL OPERATING STEM AND ONE-PIECE VALVE PLUNGER TO CONTROL BOTH FLOW AND DRAIN FUNCTIONS, BRONZE SEAT AND SEAT WASHER, 3/4" INLET AND 3/4" HOSE OUTLET CONNECTION, CHROME FINISH, ANODIZED ALUMINUM WALL BOX AND DOOR WITH OPERATION KEY LOCK AND "WATER" STAMPED ON COVER. INSTALL UNIT AT 24" ABOVE FINISHED GRADE AND SECURE TO STRUCTURE.

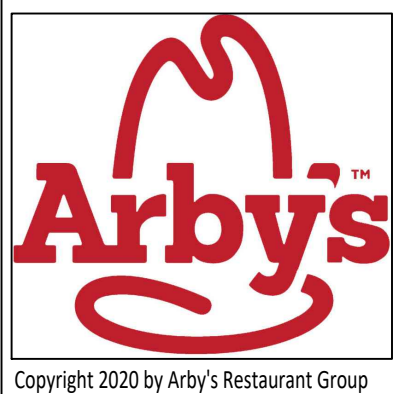
DRAIN AND CLEANOUT SCHEDULE				
TAG	ITEM	MANUFACTURER	MODEL NO.	COMMENTS
FD-1	FLOOR DRAIN	ZURN	FR06NIC3N	LIGHT-DUTY PLASTIC FLOOR DRAIN WITH 6" DIA. NICKEL BRONZE STRAINER, MEMBRANE FLASHING CLAMP AND 1/2" TRAP PRIMER CONNECTION. PROVIDE OUTLET WITH P-TRAP. CLEAN AND POLISH ROUND STRAINER TOP AFTER INSTALLATION.
FS-1	FLOOR SINK INDIRECT WASTE RECEPTOR	ZURN	FD2370-PVC-DS-H-Y	PVC PLASTIC FLOOR RECEPTOR WITH 12" X 12" SQUARE TOP, 6" DEEP SUMP BODY, PVC BODY, PVC LOOSE SET 1/2 GRATE, STAINLESS STEEL DEBRIS BASKET AND ANCHOR FLANGE. PROVIDE OUTLET WITH P-TRAP. PROVIDE WITH FLASHING COLLAR WHERE REQUIRED.
CO-1	FINISHED AREA FLOOR CLEANOUT	ZURN	CR06NIC3N	LIGHT-DUTY CAST IRON CLEANOUT WITH GAS TIGHT POLYPROYLENE PLUG, AND 6" DIA. ADJUSTABLE SCORRIATED NICKEL BRONZE TOP.
CO-2	FINISHED WALL CLEANOUT	ZURN	Z1441	PROVIDE CLEANOUT TEE. PROVIDE COUNTERSUNK ABS TAPERED THREAD PLUG AND ROUND SMOOTH STAINLESS STEEL WALL ACCESS COVER AND SECURING SCREW.
CO-3	EXTERIOR CLEANOUT	ZURN	ZN1400-HD	EXTRA HEAVY-DUTY ADJUSTABLE CLEANOUT, CAST IRON BODY WITH ANCHOR FLANGE AND ABS TAPERED THREAD PLUG, ROUND SCORRIATED EXTRA HEAVY-DUTY NICKEL BRONZE VENEER CAST IRON COVER. SET TOP OF CASTING FLUSH WITH ADJACENT FINISHED PAVEMENT.
RD-1	PRIMARY ROOF DRAIN	SIOUX CHIEF	868-1504	ROOF DRAIN WITH CAST IRON BODY, LARGE SUMP, ROOF/DECK RECEIVER PAN, CLAMPING COLLAR, DECK CLAMP, REMOVABLE 15" DIAMETER ROUND ALUMINUM DOME STRAINER, FLASHING/MEMBRANE CLAMP, GRAVEL STOP & BOTTOM NO-HUB OUTLET CONNECTION. FURNISH WITH BODY EXTENSION (IF REQUIRED) FOR BUILT-UP ROOF CONSTRUCTION. PIPE SIZE AS INDICATED ON DRAWINGS.

PLUMBING FIXTURE SCHEDULE												
FIXTURE								ACCESSORIES				
TAG	ITEM	MANUFACTURER	MODEL	DCW	DHW	DRAIN	VENT	ITEM	MANUFACTURER	MODEL	DESCRIPTION	
WC-1	WATER CLOSET	ZURN	Z5665-BWL1	1"	-	4"	2"	SEAT	ZURN	Z5955SS-EL	ADA COMPLIANT FLOOR MOUNTED WHITE VITREOUS CHINA TOILET, ELONGATED BOWL, 16-1/2" RIM HEIGHT, EXPOSED 1-1/2" TOP SPUD, 1.28 GPF, PROVIDE FLOOR BOLTS, WAX RING & BOLT COVERS. PROVIDE HEAVY-DUTY PLASTIC ELONGATED OPEN FRONT SEAT LESS COVER WITH STAINLESS STEEL SELF-SUSTAINING CHECK HINGES. PROVIDE CHROME PLATED BRASS 1.28 GPF HARD WIRED SENSOR ACTIVATED FLUSHMETER WITH MANUAL OVERRIDE FLUSH BUTTON.	
								FLUSHOMETER	ZURN	ZER6000AV-HET		
								-	-	-		
UR-1 (FOR MULTIPLE OCC RESTROOM)	URINAL	ZURN	Z5730	3/4"	-	2"	1-1/2"	FLUSHOMETER	ZURN	ZEM56003IS-WS1	ADA COMPLIANT WALL MOUNTED WHITE VITREOUS CHINA URINAL, SIPHON JET, 17" RIM HEIGHT, 1.0 GPF, EXPOSED 3/4" TOP INLET SPUD. PROVIDE CHROME PLATED BRASS 1.0 GPF HARD WIRED SENSOR ACTIVATED FLUSHMETER WITH MANUAL OVERRIDE FLUSH BUTTON. PROVIDE RIGID IN-WALL PLATE TYPE SUPPORT SYSYTEM. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.	
								CARRIER	ZURN	Z1221-F/ZC-Z5730		
								-	-	-		
LAV-1	LAVATORY	ZURN	Z5344	3/8"	3/8"	1-1/4"	1-1/2"	FAUCET	ZURN	Z6915-CWB-F	ADA COMPLIANT WALL MOUNTED WHITE VITREOUS CHINA LAVATORY, 4" CENTER FAUCET HOLES, OVERFLOW, PROVIDE CHROME PLATED BRASS 4" CENTERSET HARD WIRED SENSOR ACTIVATED FAUCET, 0.5 GPM VANDAL RESISTANT SPRAY HEAD, PROVIDE CHROME PLATED GRID STRAINER DRAIN WITH CHROME PLATED BRASS TAILPIECE. PROVIDE CHROME PLATED BRASS P-TRAP WITH CLEANOUT, WALL BEND AND WALL FLANGE. PROVIDE CHROME PLATED BRASS LOOSE KEY ANGLE BALL STOP WITH CHROME PLATED FLEXIBLE COPPER SUPPLY RISERS, PROVIDE CHROME FINISH ASSE 1070 LISTED UNDER-SINK THERMOSTATIC MIXING VALVE SET AT 105°F. PROVIDE MOLDED VINYL SAFETY COVERS FOR ALL EXPOSED SUPPLY AND DRAIN PIPING. PROVIDE RIGID IN-WALL CONCEALED ARM LAVATORY SUPPORT SYSTEM.	
								DRAIN	ZURN	Z8743-6-PC		
								TRAP	ZURN	Z8702-9BWCBX-WC-PC		
								SUPPLY	ZURN	Z8802-XL-LR-LK-Q-PC		
								ASSE 1070 TMV	ZURN WILKINS	ZW1070XL		
								PIPING COVER	ZURN	Z8946-1-NT		
								CARRIER	ZURN	Z1231-F/Z-5344		
MS-1	MOP SINK	ZURN	Z1996-24	1/2"	1/2"	3"	1-1/2"	FAUCET	ZURN	Z843M1-XL-CS	FLOOR MOUNTED ONE-PIECE MOLDED FIBERGLASS MOP SERVICE BASIN WITH INTEGRAL MOLDED-IN DRAIN AND REMOVABLE STAINLESS STEEL STRAINER. PROVIDE CHROME PLATED CAST BRASS SERVICE SINK FAUCET WITH COLOR-CODED METAL LEVER HANDLES, QUARTER-TURN CERAMIC DISC CARTRIDGES, INTEGRAL SERVICE STOPS, INTEGRAL CHECK STOPS, 6" CAST BRASS SPOUT WITH VACUUM BREAKER, 3/4" HOSE THREAD OUTLET, PAIL HOOK AND ADJUSTABLE WALL BRACE. PROVIDE HOSE AND STAINLESS STEEL HOSE HOLDER, STAINLESS STEEL MOP HANGER, STAINLESS STEEL BUMPER GUARDS, STAINLESS STEEL WALL GUARDS. INSTALL FAUCET AT 36" ABOVE FINISH FLOOR.	
								HOSE & BRACKET	ZURN	J1996-HH		
								MOP HANGER	ZURN	J1996-MH		
								BUMPER GUARDS	ZURN	J1996-BS24		
								WALL GUARDS	ZURN	JP1996-WG24		

KITCHEN EQUIPMENT PLUMBING SCHEDULE										
TAG	QTY	DESCRIPTION	PROVIDED BY	INSTALLED BY	RUN—OUT SIZES (MIN.)					REMARKS
					DCW	FW	DHW	DRAIN	GAS	
2	1	12—HEAD DRINK DISPENSER	OWNER	OWNER	—	BY SODA VENDOR	—	3/4" & 1/2"	—	3/4" DRAIN FROM BIN & 1/2" DRAIN FROM TOWER.
5	1	WALL MOUNTED HAND SINK	OWNER	GC	1/2"	—	1/2"	1—1/2"	—	G.C. TO RUN PLUMBING AND CONNECT, PROVIDE WITH ASSE 1070 LISTED MIXING VALVE SIMILAR TO THE WATTS LEAD FREE LFMMV—UT—M1. SET THE MIXED OUTLET WATER TEMPERATURE AT 110F
8	1	8—HEAD DRIVE—THRU DRINK DISPENSER W/ OVERHEAD ICE MAKER ABOVE (SEE #92)	OWNER	OWNER	—	BY SODA VENDOR	—	3/4" & 1/2"	—	3/4" DRAIN FROM ICE MAKER & 1/2" DRAIN FROM TOWER
12	1	SHAKE MACHINE	OWNER	GC	—	1/2"	—	—	—	REQUIRES A SERVER 3 PUMP RAIL FOR SYRUPS. PROVIDE 1/2" X 3/8" LEAD—FREE CHROME PLATED BRASS 1/4—TURN BALL STOP. WATTS #SD—3 ASSE 1022 LISTED DUAL CHECK BACKFLOW PREVENTER W/ INLET STRAINER AND FOOD GRADE PLASTIC TUBING ON SUPPLY CONNECTION
22A	1	3 COMPARTMENT SINK	OWNER	GC	1/2"	—	1/2"	1—1/2" F.S.	—	16" AFF (DCW AND DHW), 8" AFF (DRAIN), G.C. TO RUN PLUMBING AND CONNECT. INCLUDES (1) B231 FAUCET WITH 12" SOPUT, (1) B133B FAUCET W/ BACKSPASH MOUNT, (1) B—157 PRE—RINSE FAUCET AND (3) LEVER WASTES.
30	1	PREP TABLE W/ BACKSPASH AND HAND SINK	OWNER	GC	1/2"	—	1/2"	1—1/2"	—	16" AFF (DCW AND DHW), 8" AFF (DRAIN", G.C. TO RUN PLUMBING AND CONNECT. INCLUDES (1) B231 FAUCET WITH 12" SPOUT.
43	1	2 BANK, 6 BASKET FRYER W/ NATURAL GAS	OWNER	GC	—	—	—	—	1"	TABLEDIT® 75,000 BTU/H INPUT PER FRYPOT, FACTORY MANIFOLD TO (1) CONNECTION, TOTAL 225,000 BTU/H. 1" CONNECTION AT 11.5" AFF, G.C. TO HOOK UP QUICK DISCONNECT (SUPPLIED BY KES). INCLUDE DORMONT GAS HOSE KIT #16100—KIT—48. ALSO INCLUDE DIVERTER KIT TO ALLOW HOOK—UP TO DARLING 1500 H UNIT.
49	1	COFFEE MAKER	OWNER	GC	—	1/4"	—	—	—	PROVIDE A 1/2" X 1/4" LEAD—FREE CHROME PLATED BRASS 1/4—TURN BALL STOP. WATTS #SD—3 ASSE 1022 LISTED DUAL CHECK BACKFLOW PREVENTER W/ INLET STRAINER, AND FOOD GRADE PLASTIC TUBING ON SUPPLY CONNECTION.
84	1	WATER BOOST MODULAR FILTER SYSTEM	OWNER	GC	3/8"	3/8"	—	—	—	PROVIDE A 1/2" X 3/8" LEAD—FREE CHROME PLATED BRASS 1/4—TURN BALL STOP. WATTS #SD—3 ASSE 1022 LISTED DUAL CHECK BACKFLOW PREVENTER W/ INLET STRAINER, PRESSURE GAUGE AND UNION AT INLET CONNECTION. PROVIDE UNION, SWING CHECK VALVE, PRESSURE GAUGE, BALL SHUTOFF VALVE, AND FOOD GRADE PLASTIC TUBING AT OUTLET CONNECTION.
92	2	ICE MAKER	OWNER	GC	—	1/2"	—	—	—	(1) UNIT MOUNTS ON PEPSI UNIT AT DRIVE THRU, (1) UNIT MOUNTS ON ITEM #2 II CORNELIUS ED300 BEVERAGE DISPENSER IN DINING AREA. REMOTE CONDENSER IC VD—0695, LINE SET RC21 CONTROL WIRES FROM CONDENSING UNIT TO COIL, PROVIDE A 1/2" X 3/8" LEAD—FREE CHROME PLATED BRASS 1/4—TURN BALL STOP, WATTS #SD—3 ASSE 1022 LISTED DUAL CHECK BACKFLOW PREVENTER W/ INLET STRAINER AND FOOD GRADE PLASTIC TUBING ON SUPPLY CONNECTION.



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SCHEDULES - PLUMBING

SHEET:

P5.1