

PLUMBING CONNECTION SCHEDULE

Equipment ID	Equipment	Department	Waste Type	Waste Size	Cold Water Size	Hot Water Size	Water Filter Required	Fibered Water Size	Gas Size	Gas Load	Backflow**	Pressure Reducing Valve*	PRV Set PSI*
BA03	Panofor	Bakery	Indirect	1/2"			X	1/2"			X		
BA05	Rack Oven	Bakery	Indirect	1/2"			X	1/2"	3/4"	175	X		
CA01	Coffee Maker	Service Cafe	Indirect	1"			X	1/4"			X		
CA02	Dishwasher	Service Cafe	Indirect	1"		1/2"					X	20	
CA04	Espresso Machine	Service Cafe	Indirect	1/2"			X	3/8"			X		
CA05	Ice Maker	Service Cafe	Indirect	3/4"	1/2"	1/2"	X	3/8"			X		
CA06	Ice Compartment Sink	Service Cafe	Direct	1-1/4"	1/2"	1/2"	X	3/8"			X		
DA01	Refrigerated Case	Typical	Indirect	1-1/4" (X2)									
DA02	Refrigerated Case	Typical	Indirect	1-1/4" (X2)									
DA03	Refrigerated Case	Typical	Indirect	1-1/4"									
DA04	Refrigerated Case	Typical	Indirect	1-1/4"									
DA05	Refrigerated Case	Typical	Indirect	1-1/4"									
DE01	Refrigerated Case	Typical	Indirect	1"									
DE02	Refrigerated Case	Typical	Indirect	1-1/4"									
DE03	Refrigerated Case	Typical	Indirect	1-1/4"									
DE04	Refrigerated Case	Typical	Indirect	1-1/4"									
DE05	Refrigerated Case	Typical	Indirect	1-1/4"									
DE06	Refrigerated Case	Typical	Indirect	1-1/4"									
DE08	Charbroiler	Dish	Indirect	1-1/2"					3/4"	80			
DE12	Gas Fryer	Dish	Indirect	1/2"					1/2"	90			
DE13	Pressure Fryer	Dish	Indirect	1/2"							X	20	
DE16	Dishwasher	Dishwash	Indirect	2"		1/2"					X	20	
DE19	Humano	Soup/Salad	Indirect	2"							X	50	
DE20	Steamer	Dish	Indirect	2"	1/2" (X2)		X	3/8" (X2)			X	50	
DE21	Oven	Dish	Indirect	1"					3/4"	54 (x2)			
DE22	Pizza Oven	Dish	Indirect	1"					3/4" (x2)	156 (x2)			
DE24	Range	Dish	Indirect	1-1/4"					3/4"	227			
DE28	Refrigerated Case	Typical	Indirect	1-1/4"							X		
DE29	Hot Food Bar	Dish	Indirect	1-1/2" (x3)			X	1/2"					
DE38	Pasta Cooker	Typical	Indirect	1-1/4"		3/4"			3/4"	105	X		
DE49	Griddle	Dish	Indirect	1"					3/4"	90			
ET-1	Expansion Tank	Water Heater	N/A		1"								
EWC-1	Electric Water Cooler	Typical	Direct	1-1/2"	1/2"								
EWB-1	Electric Hot Water Heater	Typical	N/A	1/2"	1/2"								
FCO-1	Cleanout	Typical	N/A	2", 3", 4"									
FD02	Refrigerated Case	Soup/Salad	Indirect	1"									
FD-1	Floor Drain***	Typical	Direct	3", 4"	1/2"***								
FD-2	Floor Drain	Typical	Direct	3"									
FPWH-1	Front-Proof Wall Hydrant	Typical	N/A		3/4"						X		
FS-1	Flow Sink	Typical	Direct	3", 4"									
GR07	Refrigerated Case	Typical	Indirect	1-1/4" (x2)									
GR07	Refrigerated Case	Typical	Indirect	1-1/4" (x2)									
GR08	Refrigerated Case	Typical	Indirect	1-1/4"									
GR08	Refrigerated Case	Typical	Indirect	1-1/4"									
GR12	RO Dispenser	Typical	Indirect	1-1/2"			X	1/2"			X		
GWH-1	Water Heater	Water Heater	Indirect	3/4"	1-1/2"	1-1/2"			1-1/4"	300			
HB-1	Hose Bibb	Typical	N/A		3/4"						X		
HB-1	Hose Bibb	Typical	N/A		3/4"						X		
HD-1	Hub Drain	Typical	Direct	3", 4"									
HD-2	Hub Drain	Typical	Direct	3", 4"									
HD-3	Hub Drain	Typical	Direct	3", 4"									
L-1	Lavatory	Restroom	Direct	1-1/4"	1/2"	1/2"							
LD02	Refrigerated Case	Dish	Indirect	1-1/4"									
MD01	Refrigerated Case	Typical	Indirect	1-1/4"									
MD02	Refrigerated Case	Typical	Indirect	1-1/4" (x2)									
MD03	Refrigerated Case	Typical	Indirect	1-1/4" (x2)									
MDA-1	Make-Up Air Unit	Typical	Indirect	1"					1"	150			
MDA-2	Make-Up Air Unit	Typical	Indirect	1"					3/4"	56			
MDA-3	Make-Up Air Unit	Typical	Indirect	1"					3/4"	46			
NM02	Refrigerated Case	Typical	Indirect	1-1/4" (x2)									
PH01	Refrigerated Case	Typical	Indirect	1-1/4" (x2)									
PR02	Refrigerated Case	Typical	Indirect	1-1/4"									
PR04	Ice Maker	Typical	Indirect	3/4" (x1), 1/2" (x2)			X	3/8"			X		
PR05	Refrigerated Case	Typical	Indirect	1-1/2" (x2)									
PR09	Refrigerated Case	Typical	Indirect	1-1/4" (x2)									
QD	Quick Disconnect Hose End	Produce	N/A		1/2"						X		
RP	Recirc Pump	Water Heater	N/A			3/4"							
RTU-1	Rooftop Unit	Typical	Indirect	1-1/4"				1/2"					
RTU-2	Rooftop Unit	Typical	Indirect	3/4"				1/2"	100				
RTU-3	Rooftop Unit	Typical	Indirect	3/4"				1/2"	72				
SK01	Hand Sink	Typical	Direct	1-1/4"	1/2"	1/2"							
SK02	Prep Sink	Typical	Direct	2"	1/2"	1/2"							
SK03	Three Compartment Sink	Typical	Direct	1-1/2" (x3)	3/4"	3/4"							
SK07B	Prep Sink	Typical	Direct	3"	1/2"	1/2"							
TD-1	Trench Drain	Typical	Direct	4"									
TMV-1	Thermostatic Mixing Valve	Typical	N/A		1/2"	1/2"							
TS-1	Heat Reclaim Tank	Water Heater	Indirect	1"	1-1/4"	1-1/4"							
U-1	Urinal	Restroom	Direct	2"	3/4"						X		
WC-1	Water Closet	Restroom	Direct	3"	1/2"						X		
WC-2	Water Closet	Restroom	Direct	3"	1/2"						X		
WCO-1	Wall Cleanout	Typical	N/A	See Plans									
WCO-1	Wall Cleanout	Typical	N/A	4"									

X indicates required item

*See pressure reducing valves to PSI noted or as otherwise required by equipment manufacturer. Verify prior to construction and provide as required.

** Coordinate all requirements, type, make and model for each piece of equipment's interconnection with local plumbing codes to ensure use, and provide as required.

*** A water connection is only required on floor drains which receive trap primer supplies.

PLUMBING FIXTURE SCHEDULE

ID	MFR	MODEL	DESCRIPTION	FAUCET/VALVE	L	W/DIA	H	MIG HI	NOTES
CS-1	By Others	By Others	Breakroom Sink	By Others	--	--	--	Counter	1, 2, 16
EWC-1	Oasis	PGB ACSL	Electric Water Cooler		19"	19"	25"	34" to ADA Spout	1, 2, 8
FD-1	Zurn	ZN-140	Floor Cleanout		--	--	9"	9"	Floor
FD-1	Zurn	ZN-145B	Floor Drain		--	--	9"	5"	Floor
FD-2	Zurn	Z-541	Floor Drain		--	--	15"	5"	Floor
FPWH-1	Woodford	67	Front-Proof Wall Hydrant		5"	5"	5"	18"	1, 1, 14
FS-1	Zurn	Z-1901	Flow Sink		12"	12"	8"		Floor
HB-1	Woodford	24C	Flow Bibb		2"	2"	14"	18"	1, 2
L-1	Am Sid.	0124.131	Lavatory	Moen 8810	20"	10"	8"	34" to rim	1, 2, 10
SK01	See Arch	See Arch	Hand Sink	See Arch	--	--	--	See Arch	1, 2
SK02	See Arch	See Arch	Prep Sink	See Arch	--	--	--	See Arch	1, 2
SK03	See Arch	See Arch	Three Compartment Sink	See Arch	--	--	--	See Arch	1, 2
SK07B	Flat	MSB-2424	Mop Sink	Flat 332-AA	24"	24"	10"		Floor
TD-1	Zurn	Z886	Trench Drain		See Plans	6"	5"		Floor
TMV-1	Waite	LPMVM	Thermostatic Mixing Valve		5"	2"	6"		Under Sink
U-1	Am Sid.	6501.010	Flush Valve Urinal	Shane 136-1	19"	18"	27"	17" to rim	1, 2
WC-1	Am Sid.	2467.016	Pressure-Assist Water Closet		31"	21"	31"		Floor
WC-2	Am Sid.	2462.016	Pressure-Assist Water Closet		31"	21"	30"		Floor

- NOTES
- Pipe sizes shown are connection sizes only; see plans for pipe run sizes.
 - All water supply lines to fixtures shall have an accessible shutoff valve inside bldg.
 - Wall hydrants shall have a vacuum breaker, be freeze-proof, and keyed type.
 - Polished nickel bronze top, anchor flange w/clamping collar.
 - 6" polished nickel bronze top, anchor flange w/clamping collar. Trap primer connections shall be provided where indicated on plans and be installed in accordance with applicable code jurisdiction - verify, and provide as required.
 - Data-Coated cast iron body with bottom outlet, seepage pan and combination membrane flashing clamp and frame for use with heavy-duty slotted grate with suspended polypropylene sediment bucket.
 - Anchor flange, seepage hole, clamp collar, nickel bronze 1/2 grate, aluminum dome strainer.
 - Manufacturer's care decision apron.
 - Full cut to length, end capped as needed, 4" no hub bottom outlet, ductile iron cast, grade had class C.
 - 0.5 gpm aerator.
 - Integral check valve. Set outlet temperature to 103 degrees F or lower as required by jurisdiction - verify, and provide as required.
 - Open front elongated seat, trip lever on Access side.
 - Coordinate shaft length with wall thickness.
 - Mop hanger, stainless steel bumper guard, stainless steel wall guard.
 - Provided by others, installed by plumber.
 - Data-Coated cast iron body with combination membrane flashing clamp and level guard, cap and underdeck clamp.

PLUMBING FIXTURE VALUE ENGINEERING NOTES

Contractor's base bid shall provide for use of plumbing fixtures as scheduled above. Contractor shall also include alternate line items for use of value-engineered (VE) cleanouts, floor drains and floor sinks. Contractor shall review the VE construction manager and local plumbing and health officials, prior to submit the bid. The value-engineered fixtures only where directed by Lucky's construction manager and only where approved by plumbing and health officials.

Coordinate all VE fixtures' required grate finishes and types and top loading classifications with Lucky's construction manager, prior to submittal, and provide as directed.

VE fixtures shall include anchor flanges, clamp collars and seepage holes, per plans, in all locations that will receive floor waterproofing. Coordinate with architect and general contractor, prior to submittal, and provide as required.

LUCKY'S MARKET PLUMBING SYSTEM RESPONSIBILITY SCHEDULE

Item	RIC	Lucky's	GC	MC	EC	PC	Comments
Electric Domestic Water Heater						F/U/P	
Gas-Fired Domestic Water Heater						F/U/P	
Water Heat Reclaim Tanks	F/P	F				P	3
Mechanical Rooftop Units						P	3
Mechanical Heat Reclaim Coil						P	1,3
Walk-in cooler, Walk-in Freezer, and Refrigerated Prep Room Evaporators	F/P	F					1,3
Refrigerated Cases	F/P	F					1,3
Condensate waste piping for the following to hub drains installed by the PC:							
Walk-in Cooler, Walk-in Freezer, and Refrigerated Prep Room evaporators	F/U/P						6
Refrigerated Cases	F/U/P						7
Domestic Water Piping for Refrigerated Cases	P					F/U/P	8
Underground Refrigeration Trenching	F/I	F/I					9
Piping sleeves in walls for Refrigeration Piping	F		I				2
Water, Gas, Drains for Produce Prep Equipment						F/U/P	
Water, Gas, Drains for Meat/Seafood Prep Equipment						F/U/P	
Water, Gas, Drains for Deli Prep Equipment						F/U/P	
Water, Gas, Drains for Bakery Prep Equipment						F/U/P	
Water, Gas, Drains for Juice Bar Equipment						F/U/P	
Water, Gas, Drains for Grab-and-Go Island Equipment						F/U/P	

COMMENTS	LEGEND
1. Direct Expansion Refrigeration Piping	Lucky's
2. RIC to provide sheet metal sleeves for all load bearing wall penetrations.	RIC
3. Refrigeration Piping - RIC, Water, Gas, Drains - PC	REMA
4. RIC to coordinate sizes and locations with GC	RCM
5. Lucky's shall have separate installation contractor from RIC for equipment installation.	GC
6. All piping to be copper	