

UCD - BWF - Equipment Coordination Matrix

Equip. #	UCD Equip. #	Description	Room Name	Room #	QE/QI	QE/CI	CE/CI	Electrical Location	Electrical	Plumbing Req.	HVAC Req.	Backing Height	Equipment Size LxWxH	Issues/Questions	Action
BREWERY															
	B002	Bottle Crowner	Brewery	127	X					Floor Drain		-	28 x 28 X 82		
	B003	Bottle Filler	Brewery	127	X				220V 15A 3P	Drain to SS		-	28 x 28 X 93		
	B004	Bottle Filler Controller / Bottle Filler Operational Interface	Brewery	127	X				120V			-	32 x 24 X 52		
	B005	Brew Box	Brewery	127	X							-	32 x 24 x 36		
	B006	Brew House Kettle Pump	Brewery	127	X					Drain to SS		-			
	B007	Brewhouse Lauter Tub	Brewery	127	X					Drain to SS		-			
	B008	Brewhouse Lauter Tub Agitator	Brewery	127	X				110-133V 0.56/0.87A			-			
	B009	Brewhouse Mash Vessel #1	Brewery	127	X				230V 1.5FLA 3P 0.33HP	Drain to SS		-			
	B010	Brewhouse Mash Vessel #2	Brewery	127	X				230V 1.5FLA 3P 0.33HP	Drain to SS		-			
	B011	Brewhouse Process Water CIP Tank	Brewery	127	X							-			
	B012	Brewhouse Pump (Knock Out) (Brew Kettle)	Brewery	127	X				230V 208FLA 3P			-			
	B013	Brewhouse Pump (Lauter Tub Mixer)	Brewery	127	X				230V 3.4FLA 3P 1.0HP			-			
	B014	Brewhouse Pump (Lauter Tub)	Brewery	127	X				208/230V 8.9A			-			
	B015	Brewhouse Pump (Mash)	Brewery	127	X				208V 15 FLA 1 P 3.0 HP			-			
	B016	Brewhouse Pump (Process Water/CSS)	Brewery	127	X				230V 8.4 FLA 3P 3.0 HP			-			
	B017	Brewhouse Pump (Wort Cooler)	Brewery	127	X				208V 3.5FLA 3P 1.0 HP			-			
	B018	Brewhouse Whirl Pool	Brewery	127	X				Control Only	Drain to SS		-			
	B019	Brewhouse Wort Cooler	Brewery	127	X				Control Only	Drain to SS		-			
	B020	Carlsberg Flask	Brewery	127	X							-			
	B021	Fermentor 1.5 Barrel (62 gal)	Brewery	127	X				110V & Controls	Drain to SS	CO2 Exhaust	-	48 X 48 X 72		
	B022	Fermentor 100 Gal	Brewery	127	X				110V & Controls	Drain to SS	CO2 Exhaust	-	45 x 45 X 136		
	B023	Fermentor 16 Gal	Brewery	127	X							-	16 X 16 X 44		
	B024	Freezer	Brewery	127	X				120V			-	42 X 28 X 60		
	B001	Hose Storage/Hose Rack	Brewery	127		X				Drain to SS		4' AFF			
		Hoses	Brewery		X							-			
	B025	Large Sheet Filter	Brewery	127	X							-	28 X 72 X 38		
	B026	Programmable Logic Control (PLC)	Brewery	127	X				120V			-	27 X 27 X 78	Maintain Additional 10" in front for Keyboard	
	B027	Recycle Can	Brewery	127	X				120V			-	24 X 24 X 44		
	B028	Refrigerator	Brewery	127	X				120V			-	42 X 28 X 60		
	B029	Rolling Pump #1	Brewery	127	X				115/230V 8.4A			-	30 X 16 X 38		
	B030	Rolling Pump #2	Brewery	127	X				115/230V 8.4A			-	31 X 16 X 38		
	B031	Sink (2 tub)	Brewery	127	X					CW/HW/Drain to SS		-	78 X 30 X 35		
	B032	Small Sheet Filter	Brewery	127	X				120V			-	32 X 20 X 39		
	B033	Work Table	Brewery	127	X							-	72 X 20 X 34		
	B036	Glycol Control Panel	Brewery Glycol & C.I.P	138	X				208V 3P			-			
	B034	Glycol System	Brewery Glycol @ C.I.P	138	X				208V 60FLA 3P 20HP	Drain to SS		-	72 X 120 X 60		
	B035	Malt Mill	Milling & Dry Storage		X				25/440V 1.3kW			-	28 X 42 X 73		
FOOD															
	F001	Chocolat Equipment	Food Processing Equipment Storage Area	140	X							-			
	F002	Continuous Fryer			X							-			
	F003	Extruder			X							-			
	F004	Fork Lift			X							-			
	F005	Homogenizer			X				220 V 20A 3P			-	23 X 27 X 48		
	F006	Meat Slicer			X							-			
	F007	Mixer			X							-			
	F008	Pallette Jack			X							-			
	F009	Plate Heat Exchanger			X							-			
	F010	Pressure Washer				X						-			
	F011	Small Blancher			X				125V 15A 3P	DCW, Ind Steam, CA		-	144 X 32 X 62		
	F012	Tofu Making Equipment			X							-			
	F013	Brown Citrus Finisher	Food Processing Receiving Area		X				220V 3P 15A 60Hz / 230V 3P 7.4A 60Hz			-	28 X 64 X 56		
	F014	Disintegrator (Rietz)	Food Processing Receiving Area		X				250V 20A 3P / 220V 2A 3P			-	42 X 32 X 52		
	F015	Reeves Mills	Food Processing Receiving Area		X				230V 10.8A 3P 60 Hz			-	28 X 39 X 52		
	F016	Centrifuge- High Speed	Food Science Analytical Lab		X				240V 30A 1P			-			
	F018	Chemical Fume Hood	Food Science Analytical Lab				X					-	48" W		
	F019	Evaporator/Concentrator	Food Science Analytical Lab		X					Drain From Cupsink		-			
	F020	Homogenizer	Food Science Analytical Lab		X							-			
	F021	Refrigerator	Food Science Analytical Lab		X							-	84 X 30 X 78		
	F022	Single Stage Sauce Evaporator	Food Science Analytical Lab		X							-			

	F023	Visometer	Food Science Analytical Lab		X						-			
	F024	Work Tables	FoodScience Equipment Storage Area		X						-			
	F025	Blast Freezer	General Food Processing		X			220V 30A	DCW, Drain		-	77 X 51 X 88		
	F058	BTUCY	General Food Processing		X			110V 30A	DW, Vacuum, Drain W/ Strainer		-			
	F026	Canning Line	General Food Processing		X				Drain to SS		-			
	F056	Centrifuge	General Food Processing		X			120V 20A	Clean Air @ 60 PSI		-			
	F051	Centrifuge - Ultra	General Food Processing		X			240V 1P 30A			-			
	F017	Centrifuge - Ultra High Speed	General Food Processing		X			240V 1P 30A			-			
	F027	Dehydrator	General Food Processing		X			220V 50A 3P	D.I. & Drain to SS		-	60 X 37 X 48		
	F028	Double Seamer	General Food Processing		X			115V 15A 1P 50-60Hz	CA - 140PSI		-	28 X 23 X 80		
	F029	Extruder	General Food Processing		X			125V 15A 1P			-	96 X 56 X 80		
	F030	Flash Steam Peeler	General Food Processing		X			230/460 V 50 Hz 3 P	D.I., Industrial Steam, CA, Drain to SS		-	288 X 84 X 144		
	F031	Freeze Dryer	General Food Processing		X			220V 50A 3P 4W	DCW, Vac, Drain to SS		-	52 X 39 X 74		
	F032	Hose Storage/Hose Rack	General Food Processing		X				IW, DI		4' AFF			
	F057	Hot Break Tanks	General Food Processing		X			240V 3P 100A			-			
	F033	Ice Machine	General Food Processing		X				DI, Drain to SS		-			
	F034	Lye Line	General Food Processing		X			208V 30A 3P	DCW, Drain, Ind. Steam, CA		-	300 X 56 X 64		
	F035	Lye Line Sorting Line	General Food Processing		X			208V 20A 60Hz	DCW, Drain		-	50 X 180 X 40		
	F036	Olive Press	General Food Processing		X						-	360 X 96 X		
	F037	Olive Press Top Elevator	General Food Processing		X						-			
	F038	Olive Press Water Flushing Section	General Food Processing		X						-			
	F039	Peach Pitter	General Food Processing		X			220V 15A 3P	Drain to SS		-	61 X 48 X 134		
	F053	Pilot Paste Machine	General Food Processing		X			220 V 100 A 3P	Treat Water - Hot, DI - cold, Ind. Steam - 50 PSI, 2" Drain		-			
	F040	Refrigerator	General Food Processing		X						-	84 X 30 X 78		
	F052	Rocker Bath Cooler	General Food Processing		X			110V 30A			-			
	F054	Rotary Flask	General Food Processing		X			230V 1P 40A	DI		-			
	F041	Rotary Sterilizer	General Food Processing		X			22V 30A 1P	Drain to SS		-	144 X 72 X 96		
	F055	Scrape Surface Separators	General Food Processing		X			110V 1P 30A	DI		-			
	F042	Sink (Sculler 3 tub)	General Food Processing		X			250V 3P 30 A / 220V 2A	Drain to SS		-	42 X 32 X 52		
	F043	Spray Dryer	General Food Processing		X			120/208V 50A 3P 4W			-	48 X 48 X 84		
	F044	Steam Blancher	General Food Processing		X				Drain to SS		-			
	F045	Steam Jacketed Mixer	General Food Processing		X			125V 15A 1P	Drain to SS		-	32 X 32 X 72		
	F046	Steam Kettles - Large	General Food Processing		X				DCW, Ind. Steam, Drain to SS		-	36 X 33 X 54		
	F047	Steam Kettles - Medium	General Food Processing		X				DCW, Ind. Steam, Drain to SS		-	38 X 38 X 40		
	F048	Steam Kettles - Small	General Food Processing		X				DCW, Ind. Steam, Drain to SS		-	24 X 24 X 34		
	F049	Thermal Death Time	General Food Processing		X				DCW, Drain to SS		-	80 X 24 X 50		
	F050	Tomoato Peeler	General Food Processing		X			220V 2.9A 3P	Ind. Steam / Drain to SS		-	198 X 53 X 57		
		Projector	Food Science Classroom		X						-			
		Smart Stand	Food Science Classroom		X						-			
MECHANICAL ROOM														
	0001	Air Compressor	Mechanical Room				X		Supply Lines		-			
	0002	Deionized Water System	Mechanical Room				X		DCW		-			
	0003	Nitrogen Generator & Storage Cylinder	Mechanical Room		X						-			
	0004	Reverse Osmosis Water Generator	Mechanical Room				X		DCW		-			
	0005	Vacuum Pump	Mechanical Room				X		Vacuum Line		-			
	0006	Water Filtration System	Mechanical Room				X		DCW		-			
	0007	Dumpsters							Area Drain		-	84 X 48 X 48		
	0008	Rainwater Storage Tank			X						-		Future	
		Natural Gas Canisters			X						-			
DAIRY/MILK														
	M001	Autoclave	Milk Processing Teaching & Research Lab		X						-			
	M002	Butter Churn	Milk Processing Teaching & Research Lab		X						-			
	M003	Cheese Vat	Milk Processing Teaching & Research Lab		X			240V 60Hz 10A 1P			-	40 X 20 X 22		
	M004	Cold Room	Milk Processing Teaching & Research Lab		X				Area Drain		-	72 X 96 X 96		
	M005	Disc Bowl Centrifuge	Milk Processing Teaching & Research Lab		X			240V 1P 50Hz			-	24 X 16 X 24		
	M006	Hose Storage/Hose Rack	Milk Processing Teaching & Research Lab		X				IW, DI		4' AFF			
		Hoses	Milk Processing Teaching & Research Lab		X									
	M007	Laboratory Pasteuriser	Milk Processing Teaching & Research Lab		X				DCW		-	26 X 24 X 28		
	M008	Multi Purpose Processing Vessel	Milk Processing Teaching & Research Lab		X			240V 1P 50Hz 2.5 KW			-	25 X 25 X 47		
	M009	Pressure Homogeniser	Milk Processing Teaching & Research Lab		X			240V 1P 50Hz 0.18kW			-	22 X 16 X 22		

	M010	Process Vessel & Scraped Surface Freezer	Milk Processing Teaching & Research Lab		X						-			
	M011	Reverse Osmosis/Ultrafiltration Unit	Milk Processing Teaching & Research Lab		X			220V 3P 60Hz			-	28 X 28 X 42		
	M012	Rising Film Evaporator	Milk Processing Teaching & Research Lab		X			240V 1P 50Hz	DCW, Ind. Steam		-	32 X 30 X 102		
	M013	Spray Dryer & Drum Dyer	Milk Processing Teaching & Research Lab		X						-			
	M014	UHT Processing Unit	Milk Processing Teaching & Research Lab		X			220V 3P 60Hz 38A	Cooling Water, Ind. Steam, CA		-	40 X 26 X 68		
WINE														
	W001	Alcolyzer	Winery Analytical Room		X			120V			-			
	W002	Analytical Balance	Winery Analytical Room		X			120V			-			
	W003	Analytical Balance	Winery Analytical Room		X			120V			-			
	W004	Auto-Chem Analyzer	Winery Analytical Room		X			120V			-			
	W005	Auto-Chem Analyzer Computer/Printer	Winery Analytical Room		X			120V			-			
	W006	Auto-Titrator	Winery Analytical Room		X			120V			-			
	W007	Auto-titrator Computer & Printer	Winery Analytical Room		X			120V			-			
	W008	Benchtop Chiller	Winery Analytical Room		X			120V			-			
	W009	Cash Still	Winery Analytical Room		X			120V			-			
	W010	Centrifuge	Winery Analytical Room		X			120V			-			
	W011	Chemical Fume Hood	Winery Analytical Room			X			Cup Sink Drain		-			
	W012	Chemical Storage Cabinets	Winery Analytical Room			X					-			
	W013	Chemical Storage Cabinets	Winery Analytical Room			X					-			
	W014	Densitometer	Winery Analytical Room		X			120V			-			
	W015	Dissolved Oxygen Meter	Winery Analytical Room		X			120V Charging Station			-			
	W016	Drying Oven	Winery Analytical Room		X			120V			-			
	W017	Gas Chromatograph Computer & Printer	Winery Analytical Room		X						-			
	W018	Gas Chromatograph	Winery Analytical Room		X			120V			-			
	W019	Gas Chromatograph Computer & Printer	Winery Analytical Room		X			120V			-			
	W020	HPLC	Winery Analytical Room		X			120V			-			
	W021	HPLC Computer/Printer	Winery Analytical Room		X			120V			-			
	W022	Laboratory Shaker	Winery Analytical Room		X			120V			-			
	W023	Microcentrifuge	Winery Analytical Room		X			120V			-			
	W024	Printer	Winery Analytical Room		X						-			
	W025	Sample Changer for Alcolyzer/Densitometer	Winery Analytical Room		X			120V			-			
	W026	Sample Changer for Auto-titrator	Winery Analytical Room		X			120V			-			
	W027	Sonicator	Winery Analytical Room		X			120V			-			
	W028	Spectrophotometer	Winery Analytical Room		X			120V			-			
	W029	Stir Plates/Heating Plates	Winery Analytical Room		X			120V			-			
	W030	Clean-in-Place System	Winery Clean-In-Place Room		X						-			
	W031	Barrel Washer	Winery Fermentation Room		X			208V 15A 3P			-			
	W032	Basket Press	Winery Fermentation Room		X						-			
	W033	Bottle Machine	Winery Fermentation Room		X			208V 30A 3P			-			
	W034	Cross Flow Filler	Winery Fermentation Room		X						-			
	W035	De-Stemmer/Sorter	Winery Fermentation Room		X			208V 1.5kW			-			
	W036	Fork Lift	Winery Fermentation Room		X						-			
								208V 3P 4.1kW 12.63A 2.54hp			-	140 X 86 X 60		
	W037	Grape Press	Winery Fermentation Room		X						-			
	W038	Membrane Press	Winery Fermentation Room		X						-			
	W048	Mobile Belt Elevator	Winery Fermentation Room		X			208V 1.5kW			-			
	W039	Mobile Bottle Plant	Winery Fermentation Room		X						-			
	W040	Portable Steam Generator & Power Wash	Winery Fermentation Room		X						-			
	W041	Research Fermentation Tanks	Winery Fermentation Room		X			120V - Pump / 24V - Solenoid	Cooling Water - S&R / Heating Water - S&R		-			
	W042	Tank Data and Control	Winery Fermentation Room		X						-			
	W043	Teaching Fermentation Tank - Close Top	Winery Fermentation Room		X			120V - Pump / 24V - Solenoid	Cooling Water - S&R / Heating Water - S&R		-	54X54X114		
	W044	Teaching Fermentation Tank - Open Top	Winery Fermentation Room		X			120V - Pump / 24V - Solenoid	Cooling Water - S&R / Heating Water - S&R		-			
	W045	Teaching Fermentation Tank Catwalk	Winery Fermentation Room		X						-			
	W046	Vibrating Sorting Table	Winery Fermentation Room		X						-	79 X 43 X 52	Future	
	W047	Washdown Waste Water Storage Tank	Winery Fermentation Room		X						-			
		Projector	Winery Classroom		X						-			
		Smart Stand	Winery Classroom		X						-			
		Western Square Racks	Long Term Barrell Storage		X						-			