

Solyndra LLC
Building 4 Equipment List - 47488 Kato Road

Discipline	System	Tag Number	Make	Model	Description	Location Building	Location Level	Capacity	Elec Pwr Rqd (Y)	VFD (Y)	Redund ant (Y)	Motor HP	Voltage	Phases (1 or 3)	Emer Pwr (Y)	Accessability In Removing Equipment
Architectural		Bridge Crane 01	R&M Material Handling	SX30410032P25FALOF	Crane for tools, 30A disconnect	MFG	1	3 Ton	Y				480	3		Medium
Architectural		Bridge Crane 02	R&M Material Handling	SX30410032P25FALOF	Crane for tools, 30A disconnect	MFG	1	3 Ton	Y				480	3		Medium
Architectural		Bridge Crane 03	R&M Material Handling	SX30410032P25FALOF	Crane for tools, 30A disconnect	MFG	1	3 Ton	Y				480	3		Medium
Architectural		Bridge Crane 04	R&M Material Handling	SX30410032P25FALOF	Crane for tools, 30A disconnect	MFG	1	3 Ton	Y				480	3		Medium
Architectural		Bridge Crane 05	R&M Material Handling	SX30410032P25FALOF	Crane for tools, 30A disconnect	MFG	1	3 Ton	Y				480	3		Medium
Architectural		Bridge Crane 06	R&M Material Handling	SX30410032P25FALOF	Crane for tools, 30A disconnect	MFG	1	3 Ton	Y				480	3		Medium
Architectural		Bridge Crane 07	R&M Material Handling	SX30410032P25FALOF	Crane for tools, 30A disconnect	MFG	1	3 Ton	Y				480	3		Medium
Architectural		Bridge Crane 08	R&M Material Handling	SX30410032P25FALOF	Crane for tools, 30A disconnect	MFG	1	3 Ton	Y				480	3		Medium
Architectural		Bridge Crane 09	R&M Material Handling	SX30410032P25FALOF	Crane for tools, 30A disconnect	MFG	1	3 Ton	Y				480	3		Medium
Architectural		Bridge Crane 10	R&M Material Handling	SX30410032P25FALOF	Crane for tools, 30A disconnect	MFG	1	3 Ton	Y				480	3		Medium
Architectural		Bridge Crane 11	R&M Material Handling	SX30410032P25FALOF	Crane for tools, 30A disconnect	MFG	1	3 Ton	Y				480	3		Medium
Architectural		Bridge Crane 12	R&M Material Handling	SX30410032P25FALOF	Crane for tools, 30A disconnect	MFG	1	3 Ton	Y				480	3		Medium
Architectural		Bridge Crane 13	R&M Material Handling	SX30410032P25FALOF	Crane for tools, 30A disconnect	MFG	1	3 Ton	Y				480	3		Medium
Architectural		Bridge Crane 14	R&M Material Handling	SX30410032P25FALOF	Crane for tools, 30A disconnect	MFG	1	3 Ton	Y				480	3		Medium
Architectural		Elevator 1	Elmo	22T857OU46M9W7C	Near DI Pad in Level 1	OF2	1		Y				480	3	Y	Medium
Architectural		Elevator 2	Imperial	217EAS040C015/6333DD25	NE MEP - Contratctor Lobby	MFG	1		Y				480	3	Y	Medium
Architectural		Elevator 3	Elmo	22T857OU46M9W7C	Near SE Office Area in Level 1	MFG	1		Y				480	3	Y	Medium
Mechanical	MAU	FE2-MAU-101-1	Haakon	Airpak	Cleanroom Makeup Air Handler Unit	MFG	2	30,000 cfm	Y	Y		60	480	3	Y	Low
Mechanical	MAU	FE2-MAU-101-2	Haakon	Airpak	Cleanroom Makeup Air Handler Unit	MFG	2	30,000 cfm	Y	Y		60	480	3	Y	Low
Mechanical	MAU	FE2-MAU-101-3	Haakon	Airpak	Cleanroom Makeup Air Handler Unit	MFG	2	30,000 cfm	Y	Y		60	480	3	Y	Low
Mechanical	MAU	FE2-MAU-101-4	Haakon	Airpak	Cleanroom Makeup Air Handler Unit	MFG	2	30,000 cfm	Y	Y		60	480	3	Y	Low
Mechanical	MAU	FE2-MAU-101-5	Haakon	Airpak	Cleanroom Makeup Air Handler Unit	MFG	2	30,000 cfm	Y	Y		60	480	3	Y	Low
Mechanical	MAU	FE2-MAU-101-6	Haakon	Airpak	Cleanroom Makeup Air Handler Unit	MFG	2	30,000 cfm	Y	Y		60	480	3	Y	Low
Mechanical	MAU	FE2-MAU-101-7	Haakon	Airpak	Cleanroom Makeup Air Handler Unit	MFG	2	30,000 cfm	Y	Y		60	480	3	Y	Low
Mechanical	MAU	FE2-MAU-101-8	Haakon	Airpak	Cleanroom Makeup Air Handler Unit	MFG	2	30,000 cfm	Y	Y		60	480	3	Y	Low
Mechanical	MAU	FE2-MAU-101-9	Haakon	Airpak	Cleanroom Makeup Air Handler Unit	MFG	2	30,000 cfm	Y	Y	Y	60	480	3	Y	Low
Mechanical	MAU	FE2-MAU-103-1	Haakon	Airpak	Chem Makeup Unit	MEP East	2	16,000 cfm	Y	Y		20	480	3	Y	Low
Mechanical	RAH	FE2-RAH-102-1	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-2	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-3	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-4	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-5	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-6	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-7	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-8	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-9	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-10	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-11	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-12	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-13	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-14	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-15	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-16	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-17	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-18	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-19	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-20	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-21	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-22	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-23	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-24	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium

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Mechanical	RAH	FE2-RAH-102-25	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-26	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-27	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-28	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-29	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-30	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-31	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-32	Haakon	Airpak	Recirculation Air Handler Unit	MFG	2	30,000 cfm	Y	Y		50	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-33	Haakon	Airpak	Recirculation Air Handler Unit (W/BIBO)	MFG	2	20,000 cfm	Y	Y		25	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-34	Haakon	Airpak	Recirculation Air Handler Unit (W/BIBO)	MFG	2	8,000 cfm	Y	Y		15	480	3	3	Medium
Mechanical	RAH	FE2-RAH-102-35	Haakon	Airpak	Recirculation Air Handler Unit (W/BIBO)	MFG	2	8,000 cfm	Y	Y		15	480	3	3	Medium
Mechanical	AHU	FE2-AHU-104-5	Haakon	Airpak	Solar Soak AHU Supply	CENTRAL	2	16,000 cfm	Y	Y		15	480	3		Medium
Mechanical	AHU	FE2-AHU-104-5	Haakon	Airpak	Solar Soak AHU Return	CENTRAL	2	16,000 cfm	Y	Y		8	480	3		Medium
Mechanical	AHU	FE2-AHU-104-6	Haakon	Airpak	SW Office Support AHU Supply	CENTRAL	2	18,000 cfm	Y	Y		30	480	3		Medium
Mechanical	AHU	FE2-AHU-104-6	Haakon	Airpak	SW Office Support AHU Return	CENTRAL	2	18,000 cfm	Y	Y		8	480	3		Medium
Mechanical	AHU	FE2-AHU-104-7	Haakon	Airpak	SE Office Support AHU Supply	CENTRAL	2	18,000 cfm	Y	Y		30	480	3		Medium
Mechanical	AHU	FE2-AHU-104-7	Haakon	Airpak	SE Office Support AHU Return	CENTRAL	2	18,000 cfm	Y	Y		8	480	3		Medium
Mechanical	AHU	FE2-AHU-104-8	Haakon	Airpak	West Viewing Corridor AHU Supply	CENTRAL	2	12,000 cfm	Y	Y		20	480	3		Medium
Mechanical	AHU	FE2-AHU-104-8	Haakon	Airpak	West Viewing Corridor AHU Return	CENTRAL	2	12,000 cfm	Y	Y		8	480	3		Medium
Mechanical	AHU	FE2-AHU-104-9	Haakon	Airpak	Office Level 1 AHU Supply	ADMIN	2	20,000 cfm	Y	Y		30	480	3		Medium
Mechanical	AHU	FE2-AHU-104-9	Haakon	Airpak	Office Level 1 AHU Return	ADMIN	2	20,000 cfm	Y	Y		10	480	3		Medium
Mechanical	AHU	FE2-AHU-104-10	Haakon	Airpak	Office Level 2 AHU Supply	ADMIN	2	15,000 cfm	Y	Y		25	480	3		Medium
Mechanical	AHU	FE2-AHU-104-10	Haakon	Airpak	Office Level 2 AHU Return	ADMIN	2	15,000 cfm	Y	Y		10	480	3		Medium
Mechanical	AHU	FE2-AHU-104-11	Haakon	Airpak	Office Lobby AHU Supply	MFG	2	16,000 cfm	Y	Y		25	480	3		Medium
Mechanical	AHU	FE2-AHU-104-11	Haakon	Airpak	Office Lobby AHU Return	MFG	2	16,000 cfm	Y	Y		8	480	3		Medium
Mechanical	AHU	FE2-AHU-105-1	Liebert	CW084UCSA2	Server A/C Unit	CENTRAL	2	12,000 cfm	Y	Y		10	480	3	Y	Low
Mechanical	AHU	FE2-AHU-105-2	Liebert	CW084UCSA3	Server A/C Unit	CENTRAL	2	12,000 cfm	Y	Y		10	480	3	Y	Low
Mechanical	AHU	FE2-AHU-105-3	Liebert	CW084UCSA4	Server A/C Unit	CENTRAL	2	12,000 cfm	Y	Y	Y	10	480	3	Y	Low
Mechanical	AHU	FE2-FCU-106-1	Trane	LPCAF21F	Fan Coil Unit for 2nd. Floor Elect. Room	CENTRAL	2	10,000 cfm	Y	Y	Y	8	480	3	Y	High
Mechanical	AHU	FE2-FCU-106-2	Trane	LPCAF21F	Fan Coil Unit for 2nd. Floor Elect. Room	CENTRAL	2	10,000 cfm	Y	Y	Y	8	480	3	Y	High
Mechanical	AHU	FE2-FCU-105-3	Trane	LPCAF21F	Fan Coil Unit for 2nd. Floor Elect. Room	CENTRAL	2	10,000 cfm	Y	Y	Y	8	480	3	Y	High
Mechanical	AHU	FE2-FCU-105-4	Trane	LPCAF21F	Fan Coil Unit for 2nd. Floor Elect. Room	CENTRAL	2	10,000 cfm	Y	Y	Y	8	480	3	Y	High
Mechanical	ACU	FE2-AC-107-1	Amana	PTH153E25AXXXAA	Facility Lab Heat Pump Air Conditioner	MEP East	2	5000	Y			4	208	1		High
Mechanical	CHW	FE2-CH-121-1	Trane	CVHF1720	Water Cooled Chiller	MEP West	1	1700 Tons	Y			1646	4160	3		Medium
Mechanical	CHW	FE2-CH-121-2	Trane	CVHF1720	Water Cooled Chiller	MEP West	1	1700 Tons	Y			1646	4160	3		Medium
Mechanical	CHW	FE2-CH-121-4	Trane	CVHF0910	Water Cooled Chiller	MEP West	1	800 Tons	Y			788	480	3	Y	Medium
Mechanical	CHW	FE2-CH-121-5	Trane	CVHF0910	Water Cooled Chiller	MEP West	1	800 Tons	Y			788	480	3	Y	Medium
Mechanical	CHW	FE2-PMP-121-1	Bell & Gossett	VSC 8x10x10 1/2 B	Primary Chilled Water Pump	MEP West	1	2,550 gpm	Y	Y		125	480	3		High
Mechanical	CHW	FE2-PMP-121-2	Bell & Gossett	VSC 8x10x10 1/2 B	Primary Chilled Water Pump	MEP West	1	2,550 gpm	Y	Y		125	480	3		High
Mechanical	CHW	FE2-PMP-121-4	Bell & Gossett	6G Series 1510	Primary Chilled Water Pump	MEP West	1	1,200 gpm	Y	Y		50	480	3	Y	High
Mechanical	CHW	FE2-PMP-121-5	Bell & Gossett	6G Series 1510	Primary Chilled Water Pump	MEP West	1	1,200 gpm	Y	Y		50	480	3	Y	High
Mechanical	TCHW	FE2-PMP-123-1	Bell & Gossett	VSC 8x10x10 1/2 B	Tertiary Chilled Water Pump	MEP West	1	3,600 gpm	Y	Y		100	480	3		High
Mechanical	TCHW	FE2-PMP-123-2	Bell & Gossett	VSC 8x10x10 1/2 B	Tertiary Chilled Water Pump	MEP West	1	3,600 gpm	Y	Y	Y	100	480	3		High
Mechanical	CW	FE2-CT-124-1	BAC	3648C	Cooling Tower	MEP West	2	2550 gpm	Y	Y		50	480	3		High
Mechanical	CW	FE2-CT-124-2	BAC	3648C	Cooling Tower	MEP West	2	2550 gpm	Y	Y		50	480	3		High
Mechanical	CW	FE2-CT-124-3	BAC	3648C	Cooling Tower	MEP West	2	2550 gpm	Y	Y		50	480	3		High
Mechanical	CW	FE2-CT-124-4	BAC	3648C	Cooling Tower	MEP West	2	2550 gpm	Y	Y		50	480	3		High
Mechanical	CW	FE2-CT-124-5	BAC	3648C	Cooling Tower	MEP West	2	2550 gpm	Y	Y		50	480	3	Y	High

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Mechanical	CW	FE2-CT-124-6	BAC	3648C	Cooling Tower	MEP West	2	2550 gpm	Y	Y		50	480	3	Y	High
Mechanical	CW	FE2-PMP-124-1	Bell & Gossett	VSC 12x14x17 1/2 A	Condenser Pump	MEP West	1	5100 gpm	Y			125	480	3		High
Mechanical	CW	FE2-PMP-124-2	Bell & Gossett	VSC 12x14x17 1/2 A	Condenser Pump	MEP West	1	5100 gpm	Y			125	480	3		High
Mechanical	CW	FE2-PMP-124-4	Bell & Gossett	VSC 8x10x10 1/2 B	Condenser Pump	MEP West	1	2400 gpm	Y			50	480	3	Y	High
Mechanical	CW	FE2-PMP-124-5	Bell & Gossett	VSC 8x10x10 1/2 B	Condenser Pump	MEP West	1	2400 gpm	Y			50	480	3	Y	High
Mechanical	CW	FE2-OZU-124-1	Purefresh	Series 6512 (3 Cells)	Condenser Pump	MEP West	1	225 gal/Hr	Y			5	208	3	Y	High
Mechanical	CW	FE2-PMP-124-5	Griswold	CSR-601-LH	Condenser Water Slip Stream Filtration	MEP West	1	2400 gpm	Y			20	480	3	Y	High
Mechanical	HHW	FE2-BLR-130-1	CleaverBrooks	CBLE-700-250-125	Hot Water Packaged Boiler	MEP West	1	8,370 BTU/HR	Y			250	480	3		Medium
Mechanical	HHW	FE2-BLR-130-2	CleaverBrooks	CBLE-700-250-125	Hot Water Packaged Boiler	MEP West	1	8,370 BTU/HR	Y		Y	250	480	3		Medium
Mechanical	HHW	FE2-BLR-130-3	CleaverBrooks	CBLE-700-250-125	Hot Water Packaged Boiler	MEP West	1	8,370 BTU/HR	Y		Y	250	480	3		Medium
Mechanical	PHW	FE2-PMP-130-1	Bell & Gossett	5A Series 1510	Heating Water Primary Pump	MEP West	1	800 gpm	Y			10	480	3		High
Mechanical	PHW	FE2-PMP-130-2	Bell & Gossett	5A Series 1510	Heating Water Primary Pump	MEP West	1	800 gpm	Y		Y	10	480	3		High
Mechanical	PHW	FE2-PMP-130-3	Bell & Gossett	5A Series 1510	Heating Water Primary Pump	MEP West	1	800 gpm	Y		Y	10	480	3		High
Mechanical	SHW	FE2-PMP-131-1	Bell & Gossett	6A Series 1510	Secondary Heating Pump	MEP West	1	1,600 gpm	Y	Y		50	480	3		High
Mechanical	SHW	FE2-PMP-131-2	Bell & Gossett	6A Series 1510	Secondary Heating Pump	MEP West	1	1,600 gpm	Y	Y	Y	50	480	3		High
Mechanical	GEX	FE2-FAN-140-1	New York Blowers	441	General Exhaust Fan	MEP Central	2	35,000 cfm	Y	Y		60	480	3		High
Mechanical	GEX	FE2-FAN-140-2	New York Blowers	441	General Exhaust Fan	MEP Central	2	35,000 cfm	Y	Y		60	480	3		High
Mechanical	GEX	FE2-FAN-140-3	New York Blowers	441	General Exhaust Fan	MEP Central	2	35,000 cfm	Y	Y	Y	60	480	3		High
Mechanical	GEX	FE2-FLT-140-1	Contamination Technology	B2-212-22	General Exhaust For Glass/Solid Waste	MEP Central	2	7,000 cfm								Low
Mechanical	GEX	FE2-FLT-140-2	Contamination Technology	B2-212-22	General Exhaust For Glass/Solid Waste	MEP Central	2	7,000 cfm								Low
Mechanical	SAX	FE2-FAN-141-01	Strobic Air	TS3L500A18	Acid Scrub Strobic Exhaust Fan	MEP East	2	20,000 cfm	Y	Y		50	480	3	Y	High
Mechanical	SAX	FE2-FAN-141-02	Strobic Air	TS3L500A18	Acid Scrub Strobic Exhaust Fan	MEP East	2	20,000 cfm	Y	Y		50	480	3	Y	High
Mechanical	SAX	FE2-FAN-141-03	Strobic Air	TS3L500A18	Acid Scrub Strobic Exhaust Fan	MEP East	2	20,000 cfm	Y	Y	Y	50	480	3	Y	High
Mechanical	SAX	FE2-SCR-141-01	HEE Fiberglass Scrubber	Series ECV	Acid Scrubber	MEP East	2	21,825 cfm	Y	Y	Y	-	480	3	Y	High
Mechanical	SAX	FE2-PMP-141-1A	Gusher	11032NSB-B	Acid Scrubber Recirculation Pump	MEP East	2	220 gpm	Y	Y	Y	8	480	3	Y	High
Mechanical	SAX	FE2-PMP-141-1A	Gusher	11032NSB-B	Acid Scrubber Recirculation Pump	MEP East	2	220 gpm	Y	Y	Y	8	480	3	Y	High
Mechanical	SBX	FE2-FAN-142-01	Strobic Air	TS3L500A18	Base Scrub Strobic Exhaust Fan	MEP East	2	40,000 cfm	Y	Y		50	480	3	Y	High
Mechanical	SBX	FE2-FAN-142-01	Strobic Air	TS3L500A18	Base Scrub Strobic Exhaust Fan	MEP East	2	40,000 cfm	Y	Y		50	480	3	Y	High
Mechanical	SBX	FE2-FAN-142-01	Strobic Air	TS3L500A18	Base Scrub Strobic Exhaust Fan	MEP East	2	40,000 cfm	Y	Y		50	480	3	Y	High
Mechanical	SBX	FE2-SCR-142-01	HEE Fiberglass Scrubber	Series ECV	Base Scrubber	MEP East	2	40,960 cfm	Y	Y	Y	-	480	3	Y	High
Mechanical	SBX	FE2-PMP-142-1A	Gusher	11032NSB-B	Base Scrubber Recirculation Pump	MEP East	2	425 gpm	Y	Y	Y	15	480	3	Y	High
Mechanical	SBX	FE2-PMP-142-1A	Gusher	11032NSB-B	Acid Scrubber Recirculation Pump	MEP East	2	425 gpm	Y	Y	Y	15	480	3	Y	High
Mechanical	MEX	FE2-FAN-143-1	Greenheck	BSQ-180-15	SE Office Toilet Exhaust Fan	OF2	2	3,545 cfm	Y			2	480	3		High
Mechanical	MEX	FE2-FAN-143-3	Greenheck	BSQ-140-10	SW Support Toilet	MFG	2	2,420 cfm	Y			1	480	3		High
Mechanical	MEX	FE2-FAN-143-4	Greenheck	BSQ-130-07	SE Support Toilet	MFG	2	1,550 cfm	Y			1	480	3		High
Mechanical	MEX	FE2-FAN-143-5	Greenheck	G-101-A	NW Support Toilet	MFG	2	350 cfm	Y			0	120	1		High
Mechanical	MEX	FE2-FAN-143-6	Greenheck	BSQ-90-5	NE Support Toilet	MFG	2	750 cfm	Y			1	120	1		High
Mechanical	MEX	FE2-FAN-143-7	Greenheck	SWB-227-50	AWN Pit General Exhaust	MEP East	2	8,000 cfm	Y			5	480	3	Y	High
Mechanical	MEX	FE2-FAN-143-8	Greenheck	SWB-220-5	Chiller Room Emergency Exhaust	MEP West	2	6,000 cfm	Y			5	480	3	Y	High
Mechanical	MEX	FE2-FAN-143-9	Greenheck	TCB-2-36-100	General Exhaust Chemical Handling Fan	MEP East	2	15,000 cfm	Y			10	480	3	Y	High
Mechanical	MEX	FE2-FAN-143-10	Greenheck	TCB-2-36-100	General Exhaust Chemical Handling Fan	MEP East	2	15,000 cfm	Y			10	480	3	Y	High
Mechanical	MEX	FE2-FAN-143-11	Greenheck	TCB-2-22-50	Emergency Generator Room Exhaust	MEP West	2	4,000 cfm	Y			5	480	3		High
Mechanical	MEX	FE2-FAN-143-12	Greenheck	G-095-D	Elevator Vistibule Exhaust	MEP West	2	100 cfm	Y			0	120	3		High
Mechanical	MEX	FE2-FAN-143-13	Greenheck	CSP-A200	Server Room Transfer Fan	MEP West	2	185 cfm	Y			0	120	3		High
Mechanical	MEX	FE2-FAN-143-14	Greenheck	BSQ-160-3	Mechanical Room Exhaust	MEP West	2	1,935 cfm	Y			0	120	3		High
Mechanical	MEX	FE2-FAN-143-15	Greenheck	CUBE-360-30	Waste Water Rooms Exhaust	MEP West	2	12,255 cfm	Y			3	480	3		High
Mechanical	CCMX	FE2-FAN-144-1	New York Blowers	275	CCM Exhaust Filter	MEP Central	2	10,600 cfm	Y							Low
Mechanical	CCMX	FE2-FAN-144-2	New York Blowers	275	CCM Exhaust Filter	MEP Central	2	10,600 cfm	Y		Y					Low
Mechanical	CCMX	FE2-FLT-140-1	Contamination Technology	B2-212-23		MEP Central	2	10,600 cfm								Low

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Discipline	System	Tag Number	Make	Model	Description	Location Building	Location Level	Capacity	Elec Pwr Rqd (Y)	VFD (Y)	Redund ant (Y)	Motor HP	Voltage	Phases (1 or 3)	Emer Pwr (Y)	Accessibility In Removing Equipment
Mechanical	CCMX	FE2-FLT-140-2	Contamination Technology	B2-212-23	Exhaust Filter For Glass/Solid Waste	MEP Central	2	10,600 cfm								Low
Mechanical	SPX	FE2-FAN-145-1	Strobic Air	TS3S500A18	Strobic Exhaust Filter	MEP Central	2	15,000 scfm	Y			50	480	3		High
Mechanical	SPX	FE2-FAN-145-2	Strobic Air	TS3S500A18	Strobic Exhaust Filter	MEP Central	2	15,000 scfm	Y			50	480	3		High
Mechanical	SPX	FE2-FAN-145-3	Strobic Air	TS3S500A18	Strobic Exhaust Filter	MEP Central	2	15,000 scfm	Y		Y	50	480	3		High
Mechanical	SPX	FE2-FAN-145-4	Strobic Air	TS3S500A18	Strobic Exhaust Filter	MEP Central	3	15,000 scfm	Y		Y	50	480	3		High
Mechanical	SPX	FE2-FAN-145-5	Strobic Air	TS3S500A18	Strobic Exhaust Filter	MEP Central	4	15,000 scfm	Y		Y	50	480	3		High
Mechanical	CCMX	FE2-FLT-145-1	Contamination Technology	B2-212-44	General Exhaust For Glass/Solid Waste	MEP Central	2	30,000 cfm								Low
Mechanical	CCMX	FE2-FLT-145-1	Contamination Technology	B2-212-44	General Exhaust For Glass/Solid Waste	MEP Central	2	30,000 cfm								Low
Mechanical	CCMX	FE2-FLT-145-1	Contamination Technology	B2-212-44	General Exhaust For Glass/Solid Waste	MEP Central	2	30,000 cfm								Low
Mechanical	SCPX	FE2-FAN-146-1	Spencer Turbine	C52	Scribe Exhaust Filter	MEP Central	2	4,000 scfm	Y			125	480	3		Low
Mechanical	SCPX	FE2-FAN-146-2	Spencer Turbine	C52	Scribe Exhaust Filter	MEP Central	2	4,000 scfm	Y		Y	125	480	3		Low
Mechanical	SCPX	FE2-FLT-146-1	Contamination Technology	B2-212-12	Laser Scribe Exhaust Filters	MEP Central	2	4,000 scfm								Low
Mechanical	SCPX	FE2-FLT-146-2	Contamination Technology	B2-212-12	Laser Scribe Exhaust Filters	MEP Central	2	4,000 scfm								Low
Process	PCW	FE2-PMP-201-01	Gould	3180 I 6x10-19/4V	PCW Distribution Pump	MEP East	2	3,114 gpm	Y	Y		350	480	3	Y	High
Process	PCW	FE2-PMP-201-02	Gould	3180 I 6x10-19/4V	PCW Distribution Pump	MEP East	2	3,114 gpm	Y	Y		350	480	3	Y	High
Process	PCW	FE2-PMP-201-03	Gould	3180 I 6x10-19/4V	PCW Distribution Pump	MEP East	2	3,114 gpm	Y	Y	Y	350	480	3	Y	High
Process	PCW	FE2-TNK-201-01			PCW SS Tank	MEP East	2	3,760 gal								Low
Process	PCW	FE2-MDG-201-01	Siemens		PCW Membrane Degasifier Skid	MEP East	2	100 gpm	Y				120	1		High
Process	PCW	FE2-IXM-201-01	Siemens		PCW Mixed Bed Ion Exchange Skid	MEP East	2	10 gpm	Y				120	1		High
Process	PCW	FE2-FLT-201-01	Filtrek Housing/Eaton Filter		PCW Cartridge Filter	MEP East	2	3,500 gpm								High
Process	PCW	FE2-FLT-201-02	Filtrek Housing/Eaton Filter		PCW Cartridge Filter	MEP East	2	3,500 gpm			Y					High
Process	PCW	FE2-HX-201-01	Alfa Laval	MX25M-FG	PCW Heat Exchanger	MEP East	2	3,500 gpm								High
Process	PCW	FE2-HX-201-02	Alfa Laval	MX25M-FG	PCW Heat Exchanger	MEP East	2	3,500 gpm			Y					High
Process	PHW	FE2-PMP-204-01	Gould	3196 4x6-17	PHW Distribution Pump	MEP West	2	1,165 gpm	Y	Y		100	480	3		High
Process	PHW	FE2-PMP-204-02	Gould	3196 4x6-17	PHW Distribution Pump	MEP West	2	1,165 gpm	Y	Y	Y	100	480	3		High
Process	PHW	FE2-TNK-204-01			PHW SS Tank	MEP East	2	1,325 gal								Low
Process	PHW	FE2-FLT-204-01	Filtrek Housing/Eaton Filter		PHW Bag Filter	MEP West	2	1,162 gpm								High
Process	PHW	FE2-FLT-204-02	Filtrek Housing/Eaton Filter		PHW Bag Filter	MEP West	2	1,162 gpm			Y					High
Process	PHW	FE2-HX-204-11	Alpha Laval	M15B-FG	PHW Heat Exchanger	MEP West	2	772 gpm								High
Process	PHW	FE2-HX-204-12	Alpha Laval	M15B-FG	PHW Heat Exchanger	MEP West	2	772 gpm			Y					High
Process	PHW	FE2-HX-204-01	Alpha Laval	M3-FG	PHW Make-up Water Heat Exchanger	MEP West	2	57.1 gpm								High
Process	PHW	FE2-HX-204-02	Alpha Laval	M3-FG	PHW Make-up Water Heat Exchanger	MEP West	2	57.1 gpm			Y					High
Process	PHW	FE2-PMP-204-01	Gould	3196 6x8-13	PHW Return Booster Pump	MEP West	2	1,165 gpm	Y	Y		25	480	3		High
Process	PHW	FE2-PMP-204-02	Gould	3196 6x8-13	PHW Return Booster Pump	MEP West	2	1,165 gpm	Y	Y	Y	25	480	3		High
Process	CDA	FE2-CMP-211-01	Atlas Copco	ZR450	CDA Compressor	MEP West	2	2,416 scfm	Y			700	4160	3		Low
Process	CDA	FE2-CMP-211-02	Atlas Copco	ZR450	CDA Compressor	MEP West	2	2,416 scfm	Y			700	4160	3		Low
Process	CDA	FE2-CMP-211-03	Atlas Copco	ZR450	CDA Compressor	MEP West	2	2,416 scfm	Y		Y	700	4160	3		Low
Process	CDA	FE2-RCVR-211-01			CDA Wet Receiver	MEP West	2	2,560 gal	Y							Low
Process	CDA	FE2-DR-211-01	Pneumatic Product	5000 CABV	CDA Compressor	MEP West	2	4778 scfm	Y		Y	20	480	3		Low
Process	CDA	FE2-DR-211-01	Pneumatic Product	5000 CABV	CDA Compressor	MEP West	2	4778 scfm	Y		Y	20	480	3		Low
Process	CDA	FE2-FLT-211-01	Pneumatic Product	PCS148004SU97	CDA Pre-Filter	MEP West	2	4778 scfm								High
Process	CDA	FE2-FLT-211-02	Pneumatic Product	PCS148004SU97	CDA Pre-Filter	MEP West	2	4778 scfm								High
Process	CDA	FE2-FLT-211-11	Pneumatic Product	PCS148004HT97	CDA After Filter	MEP West	2	4778 scfm								High
Process	CDA	FE2-FLT-211-12	Pneumatic Product	PCS148004HT97	CDA After Filter	MEP West	2	4778 scfm								High
Process	CDA	FE2-FLT-211-21	Pneumatic Product	AC5500	CDA THC Filter	MEP West	2	4778 scfm								High
Process	CDA	FE2-FLT-211-22	Pneumatic Product	AC5500	CDA THC Filter	MEP West	2	4778 scfm								High
Process	CDA	FE2-FLT-211-31	PALL	3HFE26-G H6F2	CDA Final Filter	MEP West	2	4778 scfm								High
Process	CDA	FE2-FLT-211-32	PALL	3HFE26-G H6F2	CDA Final Filter	MEP West	2	4778 scfm								High
Process	HCD A	FE2-RCVR-212-01			HCD A Dry Receiver	MFG	2	5,000 gal	Y							High

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Process	HCDA	FE2-FLT-212-01	PALL	3HFE26-G H6F2	HCDA Final Filter	MFG	2	5,760 scfm								High
Process	HCDA	FE2-FLT-212-02	PALL	3HFE26-G H6F2	HCDA Final Filter	MFG	2	5,760 scfm								High
Process	HCDA	FE2-HX-212-01	Siemens		HCDA Heat Exchanger	MFG	2	5,760 scfm								High
Process	HCDA	FE2-HX-212-02	Siemens		HCDA Heat Exchanger	MFG	2	5,760 scfm			Y					High
Process	HHV	FE2-BLO-215-01	Garden Denver	1260	HHV Exhaust Blower	MEP West	2	2,800 scfm	Y			125	480	3		Medium
Process	HHV	FE2-BLO-215-02	Garden Denver	1260	HHV Exhaust Blower	MEP West	2	2,800 scfm	Y		Y	125	480	3		Medium
Process	HHV	FE2-SEP-215-11	Garden Denver	-	HHV Tubular Bag Separator	MEP West	2	2,200 scfm	Y	Y						Medium
Process	HHV	FE2-SEP-215-01	Garden Denver	-	HHV Cyclone Separator	MEP West	2	2,200 scfm								Medium
Process	HHV	FE2-DM-215-01	-	-	HHV Drum Collector	MEP West	1	50 gal.								High
Process	HPW	FE2-TNK-242-01	Siemens	96"ø x 84" High	FRP Brine Tank	MEP West	1	20,000 lbs								High
Process	HPW	FE2-MPM-242-01	Grundfos	DME	Bisulfite Metering Pump	MEP West	1		Y				120	1		High
Process	HPW	FE2-MPM-242-02	Grundfos	DME	Bisulfite Metering Pump	MEP West	1		Y				120	1		High
Process	HPW	FE2-TOT-242-01			Bisulfite Injection Tote	MEP West	1									High
Process	HPW	FE2-MPM-242-03	Grundfos	DME	Antiscalant Metering Pump	MEP West	1		Y				120	1		High
Process	HPW	FE2-MPM-242-04	Grundfos	DME	Antiscalant Metering Pump	MEP West	1		Y				120	1		High
Process	HPW	FE2-TOT-242-02			Antiscalant Injection Tote	MEP West	1									High
Process	HPW	FE2-FLT-242-01	Shelco	22FOS3-4F-P-GB-V	RO-1 Pre-Filter	MEP West	1									High
Process	HPW	FE2-PMP-242-11	Grundfos	CRN45-8-1	RO-1; 1st. Pass Booster Pump	MEP West	1		Y	Y		30	480	3		High
Process	HPW	FE2-RO-242-01	Protec	PRO-8-450-ASME	1-Pass Reverse Osmosis Unit, size 8, 6 Elements	MEP West	1	100 gpm								Low
Process	HPW	FE2-PMP-242-21	Grundfos	CRN45-8-1	RO-1; 2nd. Pass Booster Pump	MEP West	1		Y	Y		30	480	3		High
Process	HPW	FE2-RO-242-21	Protec	PRO-8-450-ASME	2-Pass Reverse Osmosis Unit, size 8, 6 Elements	MEP West	1	100 gpm								Low
Process	HPW	FE2-FLT-242-02	Shelco	22FOS3-4F-P-GB-V	RO-1 Pre-Filter	MEP West	1									High
Process	HPW	FE2-PMP-242-12	Grundfos	CRN45-8-1	RO-1; 1st. Pass Booster Pump	MEP West	1		Y	Y		30	480	3		High
Process	HPW	FE2-RO-242-02	Protec	PRO-8-450-ASME	1-Pass Reverse Osmosis Unit, size 8, 6 Elements	MEP West	1	100 gpm								Low
Process	HPW	FE2-PMP-242-22	Grundfos	CRN45-8-1	RO-1; 2nd. Pass Booster Pump	MEP West	1		Y	Y		30	480	3		Low
Process	HPW	FE2-FLT-242-11	Siemens		RO Post Make-Up DI Filter	MEP West	1	300 gpm								High
Process	HPW	FE2-FLT-242-12	Siemens		RO Post Filter	MEP West	1	300 gpm								High
Process	HPW	FE2-TNK-242-11	Siemens		HPW FRP Storage Tank (10'-0" x 34'-0")	MEP West	1	20,000 gal								Low
Process	HPW	FE2-TNK-242-12	Siemens		HPW FRP Storage Tank (10'-0" x 34'-0")	MEP West	1	20,000 gal								Low
Process	HPW	FE2-PMP-242-21	Grundfos	CRN64-3-1	Loop Distribution Pump	MEP West	1	400 gpm	Y	Y		40	480	3		High
Process	HPW	FE2-PMP-242-22	Grundfos	CRN64-3-1	Loop Distribution Pump	MEP West	1	401 gpm	Y	Y	Y	40	480	3		High
Process	HPW	FE2-PMP-242-22	Grundfos	CRN64-3-1	Loop Distribution Pump	MEP West	1	401 gpm	Y	Y	Y	40	480	3		High
Process	HPW	FE2-UV-242-01	Aquafine	SCD-1750H	TOC Reduction UV Sterilizer	MEP West	1	175 gpm	Y				208	1		High
Process	HPW	FE2-UV-242-02	Aquafine	SCD-1750H	TOC Reduction UV Sterilizer	MEP West	1	175 gpm	Y				208	1		High
Process	HPW	FE2-UV-242-03	Aquafine	SCD-1750H	TOC Reduction UV Sterilizer	MEP West	1	175 gpm	Y				208	1		High
Process	HPW	FE2-UV-242-11	Aquafine	SCD-1750H	Bacteria Reduction UV Sterilizer	MEP West	1	175 gpm	Y				120	1		High
Process	HPW	FE2-UV-242-12	Aquafine	SCD-1750H	Bacteria Reduction UV Sterilizer	MEP West	1	175 gpm	Y				120	1		High
Process	HPW	FE2-FLT-242-31	Siemens		Final Filter with 0.1 Micron Filters	MEP West	1	110 gpm								High
Process	HPW	FE2-FLT-242-32	Siemens		Final Filter with 0.1 Micron Filters	MEP West	1	110 gpm								High
Process	HPW	FE2-FLT-242-33	Siemens		Final Filter with 0.1 Micron Filters	MEP West	1	110 gpm								High
Process	HPW	FE2-FLT-242-34	Siemens		Final Filter with 0.1 Micron Filters	MEP West	1	110 gpm								High
Process	HPW	FE2-FLT-242-35	Siemens		Final Filter with 0.1 Micron Filters	MEP West	1	110 gpm								High
Process	HPW	FE2-FLT-242-36	Siemens		Final Filter with 0.1 Micron Filters	MEP West	1	110 gpm								High
Process	AWC	FE2-TNK-261-01			AWC Tank #1 (HDPE Material)	MEP East	0	500 gallons								Low
Process	AWC	FE2-TNK-261-02			AWC Tank #1 (HDPE Material)	MEP East	0	500 gallons								Low
Process	AWC	FE2-PMP-261-01	ARO	PD0.1P	AWC Forwarding Pump	MEP East	0	20 gpm								Medium
Process	AWC	FE2-PMP-261-02	ARO	PD0.1P	AWC Forwarding Pump	MEP East	0	20 gpm			Y					Medium
Process	BWC	FE2-TNK-262-01			BWC Tank #1 (HDPE Material)	MEP East	0	500 gallons								Low
Process	BWC	FE2-TNK-262-02			BWC Tank #1 (HDPE Material)	MEP East	0	500 gallons								Low
Process	BWC	FE2-PMP-262-01	ARO	PD05P-APS-PAA-B	BWC Forwarding Pump	MEP East	0	5 gpm								Medium

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Discipline	System	Tag Number	Make	Model	Description	Location Building	Location Level	Capacity	Elec Pwr Rqd (Y)	VFD (Y)	Redund ant (Y)	Motor HP	Voltage	Phases (1 or 3)	Emer Pwr (Y)	Accessibility In Removing Equipment
Process	BWC	FE2-PMP-262-02	ARO	PD05P-APS-PAA-B	BWC Forwarding Pump	MEP East	0	5 gpm			Y					Medium
Process	IWN	FE2-TNK-263-01			Neutralization Treatment System	MEP East	2	1,000 gal								Low
Process	IWN	FE2-MXR-263-01		BGM50-350	Neutralization Mixer	MEP East	2					1	480	3	Y	High
Process	IWN	FE2-TNK-263-02			Neutralization Treatment System	MEP East	2	1,000 gal								Low
Process	IWN	FE2-MXR-263-01		BGM50-350	Neutralization Mixer	MEP East	2					1	480	3	Y	High
Process	IWN	FE2-TNK-263-03			Neutralization Treatment System	MEP East	2	1,000 gal								Low
Process	IWN	FE2-MXR-263-01		BGM50-350	Neutralization Mixer	MEP East	2					1	480	3	Y	High
Process	IWN	FE2-FLM-263-01	Parshall Flume		Flume with Ultrasonic Flowmeter	MEP East	2									High
Process	IWN	FE2-SMP-263-01		3710	Sampler	MEP East	2						120	1		High
Process	IWN / CWT	FE2-TNK-263-11			Off Spec Tank (FRP)	MEP East	1	29,700 gal								Low
Process	IWN / CWT	FE2-TNK-263-12			Off Spec Tank (FRP)	MEP East	1	29,700 gal								Low
Process	IWN / CWT	FE2-PMP-263-01	G&L	2ST1F504	Off Spec Transfer Pump	MEP East	1	50 gpm								High
Process	IWN / CWT	FE2-PMP-263-02	G&L	2ST1F505	Off Spec Transfer Pump	MEP East	1	50 gpm								High
Process	CWC	FE2-TNK-264-01			CWC Lift Tank (FRP)	MEP East	0	2000 gal								High
Process	CWC	FE2-TNK-264-02			CWC Lift Tank (FRP)	MEP East	0	2000 gal								High
Process	CWC	FE2-PMP-264-01		M30B2P1PQAS000	CWC Forwarding Pump	MEP East	0	150 gal								Medium
Process	CWC	FE2-PMP-264-02		M30B2P1PQAS000	CWC Forwarding Pump	MEP East	0	150 gal								Medium
Process	CWC	FE2-PMP-264-03		M30B2P1PQAS000	CWC Forwarding Pump	MEP East	0	150 gal								Medium
Process	CWT	FE2-TNK-265-01			Cadmium Waste Equalization Tank	MEP East	1	10,000 gal								Low
Process	CWT	FE2-MXR-265-01			Cadmium Waste Equalization Tank Mixer	MEP East	1					3	480	3		High
Process	CWT	FE2-TNK-265-02			Cadmium Waste Equalization Tank	MEP East	1	10,000 gal								Low
Process	CWT	FE2-MXR-265-02			Cadmium Waste Equalization Tank Mixer	MEP East	1					3	480	3		High
Process	CWT	FE2-PMP-265-01	Gould	4SH1H5FO	CWT Feed Pump	MEP East	1	150 gal				3	480	3		High
Process	CWT	FE2-PMP-265-02	Gould	4SH1H5FO	CWT Feed Pump	MEP East	1	150 gal				3	480	3		High
Process	CWT	FE2-PMP-265-03	Gould	4SH1H5FO	CWT Feed Pump	MEP East	1	150 gal				3	480	3		High
Process	CWT	FE2-TNK-265-11			CWT 1st. Stage Reaction Tank	MEP East	2	3,000 gal								Low
Process	CWT	FE2-MXR-265-11		BGM200-250	CWT 1st. Stage Reaction Tank Mixer	MEP East	2					2	480	3		High
Process	CWT	FE2-TNK-265-21			CWT 2nd. Stage Reaction Tank	MEP East	2	3,000 gal								Low
Process	CWT	FE2-MXR-265-21		BGM200-250	CWT 2nd. Stage Reaction Tank Mixer	MEP East	2					2	480	3		High
Process	CWT	FE2-TNK-265-12			CWT 1st. Stage Reaction Tank	MEP East	2	3,000 gal								Low
Process	CWT	FE2-MXR-265-12		BGM200-250	CWT 1st. Stage Reaction Tank Mixer	MEP East	2					2	480	3		High
Process	CWT	FE2-TNK-265-22			CWT 2nd. Stage Reaction Tank	MEP East	2	3,000 gal								Low
Process	CWT	FE2-MXR-265-22		BGM200-250	CWT 2nd. Stage Reaction Tank Mixer	MEP East	2					2	480	3		High
Process	CWT	FE2-PMP-265-13		PD15A-ACS-AAA	CWT Sludge Transfer Pump	MEP East	2	20 gal								High
Process	CWT	FE2-TNK-265-31			CWT Concentration Tank (FRP)	MEP East	2	2,500 gal								Medium
Process	CWT	FE2-PMP-265-11	Gould	3196MXT	CWT Process Pump Train 1 & 2	MEP East	2	700 gal				30	480	3		High
Process	CWT	FE2-PMP-265-12	Gould	3196MXT	CWT Process Pump Train 1 & 2	MEP East	2	700 gal				30	480	3		High
Process	CWT	FE2-PMP-264-14		PD15P-YY5-PAA	CWT Process Cleaning Pump	MEP East	2	40 gal								High
Process	CWT	FE2-TNK-265-32			CWT Cleaning Tank (Polypropylene)	MEP East	2	500 gal								Medium
Process	CWT	FE2-TNK-265-33			CWT Water Flush Tank (Polypropylene)	MEP East	2	500 gal								Medium
Process	CWT	FE2-MMS-265-02		EFC-4800	CWT Membrane Microfiltration (48 Modules)	MEP East	2									Low
Process	CWT	FE2-PMP-265-23		PD15A-ACS-AAA	CWT Sludge Transfer Pump	MEP East	2	20 gal								High
Process	CWT	FE2-TNK-265-34			CWT Concentration Tank (FRP)	MEP East	2	2,500 gal								Medium
Process	CWT	FE2-PMP-265-21	Gould	3196MXT	CWT Process Pump Train 3 & 4	MEP East	2	700 gal				30	480	3		High
Process	CWT	FE2-PMP-265-22	Gould	3196MXT	CWT Process Pump Train 3 & 4	MEP East	2	700 gal				30	480	3		High
Process	CWT	FE2-PMP-264-24		PD15P-YY5-PAA	CWT Process Cleaning Pump	MEP East	2	40 gal								High
Process	CWT	FE2-TNK-265-35			CWT Cleaning Tank (Polypropylene)	MEP East	2	500 gal								Medium
Process	CWT	FE2-TNK-265-36			CWT Water Flush Tank (Polypropylene)	MEP East	2	500 gal								Medium

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Discipline	System	Tag Number	Make	Model	Description	Location Building	Location Level	Capacity	Elec Pwr Rqd (Y)	VFD (Y)	Redundant (Y)	Motor HP	Voltage	Phases (1 or 3)	Emer Pwr (Y)	Accessibility In Removing Equipment
Process	CWT	FE2-MMS-265-12		EFC-4800	CWT Membrane Microfiltration (48 Modules)	MEP East	2									Low
Process	CWT	FE2-TNK-265-41			CWT Permeate Collection Tank (HDPE)	MEP East	1	3,200 gal								Low
Process	CWT	FE2-PMP-265-41	G&L	4SH1K5CO	CWT Permeate Transfer Pump	MEP East	1	150 gal				8	480	3		High
Process	CWT	FE2-PMP-265-42	G&L	4SH1K5CO	CWT Permeate Transfer Pump	MEP East	1	150 gal				8	480	3		High
Process	CWT	FE2-PMP-265-43	G&L	4SH1K5CO	CWT Permeate Transfer Pump	MEP East	1	150 gal				8	480	3		High
Process	CWT	FE2-TNK-265-51			CWT Permeate Collection Tank (HDPE)	MEP East	2	3,000 gal								Low
Process	IWN	FE2-FLM-265-51	Parshall Flume		Flume with Ultrasonic Flowmeter	MEP East	2	300 gal								High
Process	CWT	FE2-ICP-265-01			CWT ICP Machine (Cadmium testing unit)	MEP East	2									High
Process	CWT	FE2-ICP-265-02			CWT ICP Machine (Cadmium testing unit)	MEP East	2									High
Process	CWT	FE2-TNK-265-61			CWT Sludge Thickener Tank (FRP)	MEP East	1	500 gal								Medium
Process	CWT	FE2-TNK-265-62			CWT Sludge Thickener Tank (FRP)	MEP East	1	500 gal								Medium
Process	CWT	FE2-PMP-265-61	ARO	PD05P-APS-PAA-B	CWT Filter Feed Pump	MEP East	1	12 gal								High
Process	CWT	FE2-PMP-265-61	ARO	PD05P-APS-PAA-B	CWT Filter Feed Pump	MEP East	1	12 gal								High
Process	CWT	FE2-TNK-266-01			CDS-8 Collection Tank (FRP)	MEP East	0	5,100 gal								Medium
Process	CWT	FE2-PMP-266-01	ARO	PD05P-APS-PAA-B	CDS-8 Filter Feed Pump	MEP East	1	20 gal								High
Process	CWT	FE2-TNK-267-01			Reclaim Collection Tank (HDPE)	MEP West	0	2,000 gal								Medium
Process	CWT	FE2-PMP-267-01	ARO	PD20-P-FPS-PAA	Reclaim Transfer Pump	MEP West	0	90 gal								Medium
Process	CWT	FE2-PMP-267-02	ARO	PD20-P-FPS-PAA	Reclaim Transfer Pump	MEP West	0	90 gal								Medium
Process	CWT	FE2-TNK-267-11			Reclaim Storage Tank (FRP)	MEP East	2	2,000 gal								High
Process	CWT	FE2-PMP-267-11	G&L	3296 EZMAG S 2x3-6	Reclaim Transfer Pump	MEP East	2	130 gal								High
Process	CWT	FE2-PMP-267-12	G&L	3296 EZMAG S 2x3-6	Reclaim Transfer Pump	MEP East	2	130 gal								High
Process	NH4OH		Air Liquide		Fill Station	MEP East	1									High
Process	NH4OH	FE2-CPU-301-01	Air Liquide		NH4OH Chemical Transfer Unit	MEP East	1									High
Process	NH4OH	FE2-PMP-301-05	Finish Thompson	SP-10P-E-U	NH4OH Chemical Transfer Pump	MEP East	1	53 gpm	Y	Y			480	3		High
Process	NH4OH	FE2-TNK-301-01			NH4OH Distribution Tank (SS)	MEP East	1	6,000 gal								Low
Process	NH4OH	FE2-TNK-301-02			NH4OH Distribution Tank (SS)	MEP East	1	6,000 gal								Low
Process	NH4OH	FE2-CDU-301-01	Air Liquide		NH4OH Chemical Dispense Unit	MEP East	1									High
Process	NH4OH	FE2-PMP-301-01	Finish Thompson	SP-15P-U-M215	NH4OH Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	NH4OH	FE2-PMP-301-02	Finish Thompson	SP-15P-U-M215	NH4OH Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	NH4OH	FE2-CDU-301-02	Air Liquide		NH4OH Chemical Dispense Unit	MEP East	1									High
Process	NH4OH	FE2-PMP-301-03	Finish Thompson	SP-15P-U-M215	NH4OH Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	NH4OH	FE2-PMP-301-04	Finish Thompson	SP-15P-U-M215	NH4OH Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	CdSO4		Air Liquide		Transfer Valve Box	MEP East	1									High
Process	CdSO4	FE2-TNK-302-01			CdSO4 Distribution Tank (SS)	MEP East	1	4,500 gal								Low
Process	CdSO4	FE2-TNK-302-02			CdSO4 Distribution Tank (SS)	MEP East	1	4,500 gal								Low
Process	CdSO4	FE2-CDU-302-01	Air Liquide		CdSO4 Chemical Dispense Unit	MEP East	1									High
Process	CdSO4	FE2-PMP-302-01	Finish Thompson	SP-15P-U-M215	CdSO4 Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	CdSO4	FE2-PMP-302-02	Finish Thompson	SP-15P-U-M215	CdSO4 Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	CdSO4	FE2-CDU-302-02	Air Liquide		CdSO4 Chemical Dispense Unit	MEP East	1									High
Process	CdSO4	FE2-PMP-302-03	Finish Thompson	SP-15P-U-M215	CdSO4 Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	CdSO4	FE2-PMP-302-04	Finish Thompson	SP-15P-U-M215	CdSO4 Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	HCL				Truck Fill Station	MEP East	1									High
Process	HCL	FE2-CPU-303-01	Air Liquide		HCL Chemical Transfer Unit	MEP East	1									High
Process	HCL	FE2-PMP-303-05	Finish Thompson	SP-10P-E-U	HCL Chemical Transfer Pump	MEP East	1	53 gpm	Y	Y			480	3		High
Process	HCL	FE2-TNK-303-01			HCL Distribution Tank (FRP)	MEP East	1	6,000 gal								Low
Process	HCL	FE2-TNK-303-02			HCL Distribution Tank (FRP)	MEP East	1	6,000 gal								Low
Process	HCL	FE2-CDU-303-01	Air Liquide		HCL Chemical Dispense Unit	MEP East	1									High

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Discipline	System	Tag Number	Make	Model	Description	Location Building	Location Level	Capacity	Elec Pwr Rqd (Y)	VFD (Y)	Redundant (Y)	Motor HP	Voltage	Phases (1 or 3)	Emer Pwr (Y)	Accessibility In Removing Equipment
Process	HCL	FE2-PMP-303-01	Finish Thompson	SP-15P-U-M215	HCL Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	HCL	FE2-PMP-303-02	Finish Thompson	SP-15P-U-M215	HCLH Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	HCL	FE2-CDU-303-02	Air Liquide		HCL Chemical Dispense Unit	MEP East	1									High
Process	HCL	FE2-PMP-303-03	Finish Thompson	SP-15P-U-M215	HCL Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	HCL	FE2-PMP-303-04	Finish Thompson	SP-15P-U-M215	HCL Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	THIOUREA		Air Liquide		Transfer Valve Box	MEP East	1									High
Process	THIOUREA	FE2-TNK-304-01			THIOUREA Distribution Tank (FRP)	MEP East	1	4,500 gal								Low
Process	THIOUREA	FE2-TNK-304-02			THIOUREA Distribution Tank (FRP)	MEP East	1	4,500 gal								Low
Process	THIOUREA	FE2-CDU-304-01	Air Liquide		THIOUREA Chemical Dispense Unit	MEP East	1									High
Process	THIOUREA	FE2-PMP-304-01	Finish Thompson	SP-15P-U-M215	THIOUREA Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	THIOUREA	FE2-PMP-304-02	Finish Thompson	SP-15P-U-M215	THIOUREA Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	THIOUREA	FE2-CDU-304-02	Air Liquide		THIOUREA Chemical Dispense Unit	MEP East	1									High
Process	THIOUREA	FE2-PMP-304-03	Finish Thompson	SP-15P-U-M215	THIOUREA Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	THIOUREA	FE2-PMP-304-04	Finish Thompson	SP-15P-U-M215	THIOUREA Chemical Dispense Pump	MEP East	1	120 gpm	Y	Y			480	3		High
Process	OP-140	FE2-CDU-305-01	Air Liquide		OP-140 Chemical Dispense Unit	MEP East	2									High
Process	OP-140	FE2-TNK-305-01	Air Liquide		OP-140 Distribution Tank (Polypro)	MEP East	2	60 gal								High
Process	OP-140	FE2-TNK-305-01	Air Liquide		OP-140 Distribution Tank (Polypro)	MEP East	2	60 gal								High
Process	OP-140	FE2-PMP-305-01	Finish Thompson	SP-15P-U-M215	OP-140 Chemical Dispense Pump	MEP East	1	3 gpm								High
Process	OP-140	FE2-PMP-305-02	Finish Thompson	SP-15P-U-M215	OP-140 Chemical Dispense Pump	MEP East	1	3 gpm								High
Process	OP-171	FE2-CDU-305-01	Air Liquide		OP-171 Chemical Dispense Unit	MEP East	2									High
Process	OP-171	FE2-TNK-305-01	Air Liquide		OP-171 Distribution Tank (Polypro)	MEP East	2	60 gal								High
Process	OP-171	FE2-TNK-305-01	Air Liquide		OP-171 Distribution Tank (Polypro)	MEP East	2	60 gal								High
Process	OP-171	FE2-PMP-305-01	Finish Thompson	SP-15P-U-M215	OP-171 Chemical Dispense Pump	MEP East	2	3 gpm								High
Process	OP-171	FE2-PMP-305-02	Finish Thompson	SP-15P-U-M215	OP-171 Chemical Dispense Pump	MEP East	2	3 gpm								High
Process	H2SO4				Sulfuric Acid (H2SO4) Truck Fill Station	MEP East	1									High
Process	H2SO4	FE2-TNK-311-01			Sulfuric Acid (H2SO4) Distribution Tank	MEP East	1	10,500 gal								Low
Process	H2SO4	FE2-PMP-311-01	Ansimag	KM1515	Sulfuricc Acid (H2SO4) Dispense Pump	MEP East	1	10 gpm	Y	Y		5	480	3		High
Process	H2SO4	FE2-PMP-311-02	Ansimag	KM1515	Sukfuric Acid (H2SO4) Dispense Pump	MEP East	1	10 gpm	Y	Y	Y	5	480	3		High
Process	NaOH				Sodium Hydroxide (NaOH) Truck Fill Station	MEP East	1									High
Process	NaOH	FE2-TNK-312-01			Sodium Hydroxide (NaOH) Distribution Tank	MEP East	1	10,500 gal								Low
Process	NaOH	FE2-PMP-312-01	Ansimag	KM1515	Sodium Hydroxide (NaOH) Dispense Pump	MEP East	1	10 gpm	Y	Y		5	480	3		High
Process	NaOH	FE2-PMP-312-02	Ansimag	KM1515	Sodium Hydroxide (NaOH) Dispense Pump	MEP East	1	10 gpm	Y	Y	Y	5	480	3		High
Process	Ar/O2	FE2-TNK-402-01			Ar/O2 Blending Station	MEP West	1	N/A								High
Process	Ar/H2	FE2-TNK-405-01			Ar/H2 Blending Station	MEP West	1	N/A								High
Process	Ar	FE2-VAP-401-01			Argon Purifier	MEP West	1	-	Y							High
Plumbing	ICW	FE2-WH-160-1			Domestic Hot Water Heater	SW	1	265 gph								High
Plumbing	ICW	FE2-WH-160-2			Domestic Hot Water Heater	NE	1	35 gph	Y				480	3		High
Plumbing	ICW	FE2-WH-160-3			Domestic Hot Water Heater	Office	1	35 gpgh	Y				480	3		High
Plumbing	ICW	FE2-WH-160-4			Domestic Instantaneous Hot Water Heater	NW	1	30 gph	Y				208	1		High
Plumbing	ICW	FE2-WH-160-5			Domestic Instantaneous Hot Water Heater	NW	1	30 gph	Y				208	1		High
Plumbing	SSW	FE2-WH-164-1			SSW Water Heater	NW	2	100 gph								High
Plumbing	SSW	FE2-WH-164-2			SSW Water Heater	NW	2	3 kw	Y				480	3		High
Plumbing	SSW	FE2-WH-164-3			SSW Water Heater	SW	2	100 gph								High
Plumbing	SSW	FE2-WH-164-4			SSW Water Heater	SW	2	3 kw	Y				480	3		High
Plumbing	CW	TP-2			Electric Trap Primer (Quantity of 24)	Varies	1+2	-	Y				120	1		High
Plumbing	ICW	FE2-PMP-160-1			Domestic Hot Water Circulating Pump	SW	1	10 gpm	Y			0	120	1		High
Plumbing	ICW	FE2-PMP-160-2			Domestic Hot Water Circulating Pump	NE	1	10 gpm	Y			0	120	1		High
Plumbing	ICW	FE2-PMP-160-3			Domestic Hot Water Circulating Pump	ADMIN	1	10 gpm	Y			0	120	1		High

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Discipline	System	Tag Number	Make	Model	Description	Location Building	Location Level	Capacity	Elec Pwr Rqd (Y)	VFD (Y)	Redund ant (Y)	Motor HP	Voltage	Phases (1 or 3)	Emer Pwr (Y)	Accessibility In Removing Equipment
Plumbing	ICW	FE2-PMP-160-4			ICW Booster Pump	ADMIN	1	20 gpm	Y			1	480	3		High
Plumbing	SSW	FE2-PMP-164-1			SSW Circulating Pump	NW	2	10 gpm	Y			0	120	1		High
Plumbing	SSW	FE2-PMP-164-2			SSW Circulating Pump	SW	2	10 gpm	Y			0	120	1		High
Plumbing	SSW	FE2-PMP-164-3			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-4			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-5			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-6			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-7			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-8			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-9			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-10			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-11			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-12			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-13			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-14			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-15			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-16			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-17			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-18			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-19			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-20			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-21			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-22			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-23			Sump Pump				Y			1	120	1		High
Plumbing	SSW	FE2-PMP-164-24			Sump Pump				Y			1	120	1		High
Fire System	FP	FE2-PMP-163-1			Fire Water Pump	Fire Room	1	2200 gpm	Y			100	480	3	Y	
Fire System	FP	FE2-PMP-163-2			Fire Water Jockey Pump	Fire Room	1	5 gpm	Y			1	480	3		
Civil		FE2-PMP-182-01/02			Duplex Pump #1				Y			5	480	3		
Civil		FE2-PMP-182-11/12			Duplex Pump #2				Y			5	480	3		
I&C	FMS	FE2-PLC-700-23			Scrubber PLC	MEP East	2		Y				120	1	Y	High
I&C	FMS	FE2-PLC-700-31			MAU East PLC	MFG	2		Y				120	1	Y	High
I&C	FMS	FE2-PLC-700-32			MAU West PLC	MFG	2		Y				120	1	Y	High
I&C	FMS	FE2-PLC-700-33			RAH West PLC	MFG	2		Y				120	1	Y	High
I&C	FMS	FE2-PLC-700-34			RAH East PLC	MFG	2		Y				120	1	Y	High
I&C	FMS	FE2-PLC-700-35			AHU South PLC	MFG	2		Y				120	1	Y	High
I&C	FMS	FE2-PLC-710-11			Chiller Sequencer (Vendor provided)	MEP West	1		Y				120	1	Y	High
I&C	FMS	FE2-PLC-710-12			Cooling Tower Sequencer (Vendor provided)	MEP West	1		Y				120	1	Y	High
I&C	FMS	FE2-PLC-710-13			HPW Make-up PLC (Vendor provided)	MEP West	1		Y				120	1	Y	High
I&C	FMS	FE2-PLC-710-14			HPW Distribution PLC (Vendor provided)	MEP West	1		Y				120	1	Y	High
I&C	FMS	FE2-PLC-710-15			HCl / NH4OH Bulk Chem PLC (Vendor provided)	MEP East	1		Y				120	1	Y	High
I&C	FMS	FE2-PLC-710-16			Cadmium Waste PLC (Vendor provided)	MEP East	1		Y				120	1	Y	High
I&C	FMS	FE2-PLC-710-21			CDA PLC (Vendor provided)	MEP West	2		Y				120	1	Y	High
I&C	FMS	FE2-PLC-710-22			HPW Polish PLC (Vendor provided)	MEP West	2		Y				120	1	Y	High
I&C	FMS	FE2-PLC-710-23			Thio / CDS Bulk Chem PLC (Vendor provided)	MEP East	2		Y				120	1	Y	High
I&C	FMS	FE2-PLC-710-24			IWN PLC (Vendor provided)	MEP East	2		Y				120	1	Y	High
Electrical		FE2-SWG-601-01	Cabinet (IEM); CB (ABB)		FAB Main Feed Switchgear U1	Front of MEP East		600A						3		High
Electrical		FE2-SWG-601-02	Cabinet (IEM); CB (ABB)		FAB Main Feed Switchgear U2	Front of MEP East		600A						3		High
Electrical		FE2-SWG-601-03	Cabinet (IEM); CB (ABB)		Switchgear feeds (USS-602-01) all 4160V Equip.	W Electrical Roo	1	600A						3		Low
Electrical		FE2-SWG-601-04	Cabinet (IEM); CB (ABB)		Switchgear feeds (USS-603-01 to -10)	W Electrical Roo	2	600A						3		Low
Electrical		FE2-USS-603-01 to -10	Cabinet (IEM); CB (ABB)		Substations		1/2	4,000A					480/277			Low

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Discipline	System	Tag Number	Make	Model	Description	Location Building	Location Level	Capacity	Elec Pwr Rqd (Y)	VFD (Y)	Redund ant (Y)	Motor HP	Voltage	Phases (1 or 3)	Emer Pwr (Y)	Accessability In Removing Equipment
Electrical		FE2-GEN-604-01	Cummins West (Onan)	2000.0DQKAB/7530889	Diesel Generator			2,000 KW								Low
Electrical		FE2-GEN-604-02	Cummins West (Onan)	2000.0DQKAB/7530890	Diesel Generator			2,000 KW								Low
Electrical		FE2-ATS-604-01			Automatic Transfer Switch			400 A					480	3		Low
Electrical		FE2-ATS-606-01			Automatic Transfer Switch			2,000 A					480	3		Low
Electrical		FE2-ATS-606-02A			Automatic Transfer Switch			2,000 A					480	3		Low
Electrical		FE2-ATS-606-02B			Automatic Transfer Switch			2,000 A					480	3		Low
Electrical		FE2-ATS-606-02C			Automatic Transfer Switch			2,000 A					480	3		Low
Electrical		FE2-UPS-606-01	Eaton	9390/160	UPS								480	3		Low
Electrical		FE2-UPS-604-01	Eaton	9390/40	UPS								480	3		Medium
Electrical		FE2-UPS-604-02	Eaton	9390/40	UPS								480	3		Medium
Electrical		FE2-UPS-604-03	Eaton	9390/40	UPS								480	3		Medium