	1			ı	1 1				Actuator Type		
P&ID	Ton Number	Valve	Valve	Commodity	Size	Value Lagation	Maximum	Actuatos Comileo	Actuator Type	Valtana	Commental Control Footures
Number	Tag Number	Type	Type Number	Commodity	(mm)	Valve Location	Working Pressure (kPa)	Actuator Service	P - PNEUMATIC S - SOLENOID	Voltage	Comments/ Control Features
			Number				(KFa)		E - ELECTRIC		
Sodium Hypo Chemical A	rea .										
CPG0465-I-01 - 3 of 6	FV - J100A	Ball		PSW	50	Exposed	560	Open/Close	S	120	City Supplied Equipment
CPG0465-I-01 - 3 of 6	FV - J200A	Ball		PSW	50	Exposed	560	Open/Close	S	120	City Supplied Equipment
CPG0465-I-01 - 5 of 6	FV - J500A	Ball	V310	HYP	75	Exposed	170	Open/Close	E	120	
CPG0465-I-01 - 5 of 6	FV - J500B	Ball	V310	HYP	100	Exposed	170	Open/Close	E	120	
CPG0465-I-01 - 6 of 6	FV - J520A FV - J520B	Ball Ball	V310 V310	HYP HYP	75 100	Exposed	170 170	Open/Close	E F	120 120	
CPG0465-I-01 - 6 of 6 CPG0465-I-01 - 6 of 6	FV - J540A	Ball	V310	HYP	75	Exposed Exposed	170	Open/Close Open/Close	F F	120	
CPG0465-I-01 - 6 of 6	FV - J540B	Ball	V310	HYP	100	Exposed	170	Open/Close	E	120	
CPG0465-I-01 - 6 of 6	FV - J560A	Ball	V310	HYP	75	Exposed	170	Open/Close	E	120	
CPG0465-I-01 - 6 of 6	FV - J560B	Ball	V310	HYP	100	Exposed	170	Open/Close	E	120	
P - 01	FV - J610A	Ball	-	HYP	50	Exposed	560	Open/Close	E	120	City Supplied Equipment
P - 01	FV - J620A	Ball	-	HYP	50	Exposed	560	Open/Close	E	120	City Supplied Equipment
P - 01 P - 01	FV - J640A FV - J660A	Ball Ball	-	HYP HYP	50 50	Exposed Exposed	560 560	Open/Close Open/Close	E F	120 120	City Supplied Equipment City Supplied Equipment
P - 01	FV - J665A	Ball	-	HYP	50	Exposed	560	Open/Close	E	120	City Supplied Equipment
WJ - P0007	FV - J666A	Butterfly	V500	HYP	200	Exposed	560	Open/Close	E	600	any angenesia adolphioni
Bulk Chemical Building											
WS - P0001	SOL - S200A	Solenoid	V940	AIR	25				S		
WS - P0001 WS - P0001	SOL - S204A FV - S206A	Solenoid Butterfly	V940 V500	AIR AW	25 200	Exposed		Open/Close	S E	600	Refer To Drawing WS-A0451 For Instrument Loop Diagram
WS - P0001	FV - S207A	Butterfly	V500	AW	100	Exposed		Open/Close	F	600	Refer To Drawing WS-A0451 For Instrument Loop Diagram
WS - P0001	FV - S210A	Ball	V308	SCA	75	Exposed		Open/Close	E	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0001	FV - S210B	Ball	V308	SCA	50	Exposed		Open/Close	Е	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0001	FV - S220A	Ball	V308	SCA	75	Exposed		Open/Close	E	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0001	FV - S220B	Ball	V308	SCA	50	Exposed		Open/Close	E	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0002	FV - S210C	Ball Ball	V308 V308	SCA SCA	50	Exposed		Open/Close	E F	120 120	Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0002 WS - P0003	FV - S220C FV - S240A	Ball	V306 V307	SCA	50 25	Exposed Exposed		Open/Close Open/Close	F	120	Refer To Drawing WS-A0454 For Instrument Loop Diagram Skid Mounted; Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0003	FV - S240B	Ball	V307	SCA	25	Exposed		Open/Close	F	120	Skid Mounted; Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0004	SOL - S100A	Solenoid	V940	AIR	25	Exposed		Open/Close	S	120	3-Way
WS - P0004	SOL - S105A	Solenoid	V940	AIR	26	Exposed		Open/Close	S	120	3-Way
WS - P0004	FV - S107A	Butterfly	V500	FCW	100	Exposed		Open/Close	E	600	Refer To Drawing WS-A0451 For Instrument Loop Diagram
WS - P0004	FV - S110A	Ball	V330	FC	75	Exposed		Open/Close	E	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0004 WS - P0004	FV - S110B FV - S120A	Ball Ball	V330 V330	FC FC	50 75	Exposed Exposed		Open/Close Open/Close	E F	120 120	Refer To Drawing WS-A0455 For Instrument Loop Diagram Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0004 WS - P0004	FV - S120A	Ball	V330	FC	50	Exposed		Open/Close	F	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0004	FV - S130A	Ball	V330	FC	75	Exposed		Open/Close	E	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0004	FV - S130B	Ball	V330	FC	50	Exposed		Open/Close	E	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0004	FV - S140A	Ball	V330	FC	75	Exposed		Open/Close	E	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0004	FV - S140B	Ball	V330	FC	50	Exposed		Open/Close	E	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0005	FV - S110C	Ball	V330	FC	50	Exposed		Open/Close	E	120	Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0005 WS - P0006	FV - S120C FV - S130C	Ball Ball	V330 V330	FC FC	50 50	Exposed Exposed		Open/Close Open/Close	E F	120 120	Refer To Drawing WS-A0454 For Instrument Loop Diagram Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0006 WS - P0006	FV - S130C	Ball	V330	FC FC	50	Exposed		Open/Close	E E	120	Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0007	FV - S170A	Ball	V330	FC	25	Exposed		Open/Close	E	120	Skid Mounted; Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0008	FV - S170B	Ball	V330	FC	25	Exposed		Open/Close	E	120	Skid Mounted; Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0008	SOL - S300A	Solenoid	V940	AIR	25	Exposed		Open/Close	S	120	3-Way
WS - P0008	SOL - S307A	Solenoid	V940	AIR	25	Exposed		Open/Close	S	120	3-Way
WS - P0008	FV - S309A FV - S310A	Butterfly Ball	V500 V330	CSW	200	Exposed		Open/Close	E F	600 120	Refer To Drawing WS-A0451 For Instrument Loop Diagram
WS - P0008 WS - P0008	FV - S310A FV - S310B	Ball	V330 V330	CS CS	75 50	Exposed Exposed		Open/Close Open/Close	E	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0008	FV - S310B	Ball	V330	CS	75	Exposed		Open/Close	F	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0008	FV - S320B	Ball	V330	cs	50	Exposed		Open/Close	E	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0008	FV - S330A	Ball	V330	CS	75	Exposed		Open/Close	E	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0008	FV - S330B	Ball	V330	CS	50	Exposed		Open/Close	E	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0008	FV - S340A	Ball	V330	CS	75	Exposed		Open/Close	E	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0008	FV - \$340B	Ball	V330	CS	50	Exposed		Open/Close	E	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0009	FV - S310C	Ball	V330	CS	50	Exposed		Open/Close	E	120	Refer To Drawing WS-A0454 For Instrument Loop Diagram

						1			1	Actuator Type	1	T
P&ID Number	Tag	Number	Valve Type	Valve Type Number	Commodity	Size (mm)	Valve Location	Maximum Working Pressure (kPa)	Actuator Service	P - PNEUMATIC S - SOLENOID E - ELECTRIC	Voltage	Comments/ Control Features
WS - P0009	FV	- S320C	Ball	V330	CS	50	Exposed		Open/Close	E	120	Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0010	FV	- S330C	Ball	V330	CS	50	Exposed		Open/Close	E	120	Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0010	FV	- S340C	Ball	V330	CS	50	Exposed		Open/Close	E		Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0011		- S350A	Ball	V330	CS	25	Exposed		Open/Close	E	120	Skid Mounted; Refer To Drawing WS-A0454 For Instrument Loop Diagram
			Ball	V330	CS	25	Exposed		Open/Close	E	120	Skid Mounted; Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0011			Ball	V330	CS	25	Exposed		Open/Close	E	120	Skid Mounted; Refer To Drawing WS-A0454 For Instrument Loop Diagram
			Solenoid	V940	AIR	25	Exposed		Open/Close	S	120	3-Way
			Ball	V308	AA	50	Exposed		Open/Close	Е	120	Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0012	FV		Ball	V308	AA	50	Exposed		Open/Close	E		Refer To Drawing WS-A0455 For Instrument Loop Diagram
WS - P0013		- S410B	Ball	V308	AA	50	Exposed		Open/Close	E		Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0013			Ball	V308	AA	50	Exposed		Open/Close	E		Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0013	FV		Ball	V308	AA	50	Exposed		Open/Close	E	120	Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0013			Ball	V308	AA	50	Exposed		Open/Close	E	120	Refer To Drawing WS-A0454 For Instrument Loop Diagram
WS - P0014	FV	- S440A	Ball	V308	AA	20	Exposed		Open/Close	E	120	Skid Mounted; Refer To Drawing WS-A0454 For Instrument Loop Diagram
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Note 1. All valves listed as City Supplied Equipment shall be installed by the Contractor