Tag	Loop	Letter	IO Type	Module		Rack	Slot	Point	Panel Terminals		Description	Field Device	Signal Type	Range	Power	Closed State	Comments
FI -	3-1		AC DI	1756-IA32	0 - : 0 / 00	1 -	1 -	0	T1 - A1	T1 - B1	CHROME REACTION FLOW SWITCH	FS-3-1	120VAC		PLC		
FI -	4-1		AC DI	1756-IA32	0 - : 0 / 01	1 -	1 -	1	T1 - A2	T1 - B2	FLOW SWITCH	FS-4-1	120VAC		PLC		
FSL	10	1A	AC DI	1756-IA32	0 - : 0 / 02	1 -	1 -	2							PLC		
FSL	10	1B	AC DI	1756-IA32	0 - : 0 / 03	1 -	1 -	3							PLC		
FSL	5	1	AC DI	1756-IA32	0 - : 0 / 04	1 -	1 -	4							PLC		
FSL	5	2	AC DI	1756-IA32	0 - : 0 / 05	1 -	1 -	5							PLC		
HS -	1-5	AUTO	AC DI	1756-IA32	0 - : 0 / 06	1 -	1 -	6	T1 - A7	T1 - B7	HANDSTATION AUTO T-5 VALVE	HS-1-5A	120VAC		PLC	AUTO POS	Relay #1
			AC DI	1756-IA32	0 - : 0 / 07	1 -	1 -	7					120VAC		PLC		
HS -	3-1	AUTO	AC DI	1756-IA32	0 - : 0 / 10	1 -	1 -	8	T1 - A9	T1 - B9	HANDSTATION AUTO T-3 INFL	HS-3-1A	120VAC		PLC	AUTO POS	Relay #3
			AC DI	1756-IA32	0 - : 0 / 11	1 -	1 -	9					120VAC		PLC		
HS -	3-2	AUTO	AC DI	1756-IA32	0 - : 0 / 12	1 -	1 -	10	T1 - A11	T1 - B11	HANDSTATION AUTO T-3 EFFL	HS-3-2A	120VAC		PLC	AUTO POS	Relay #4
			AC DI	1756-IA32	0 - : 0 / 13	1 -	1 -	11					120VAC		PLC		
HS -	4-1	AUTO	AC DI	1756-IA32	0 - : 0 / 14	1 -	1 -	12	T1 - A13	T1 - B13	HANDSTATION AUTO T-4 INFL	HS-4-1A	120VAC		PLC	AUTO POS	Relay #5
			AC DI	1756-IA32	0 - : 0 / 15	1 -	1 -	13					120VAC		PLC		
HS -	4-2	AUTO	AC DI	1756-IA32	0 - : 0 / 16	1 -	1 -	14	T1 - A15	T1 - B15	HANDSTATION AUTO T-4 EFFL	HS-4-2A	120VAC		PLC	AUTO POS	Relay #6
			AC DI	1756-IA32	0 - : 0 / 17	1 -	1 -	15					120VAC		PLC		
HS -	M03A	AUTO	AC DI	1756-IA32	0 - : 1 / 00	1 -	1 -	16	T1 - A17	T1 - B17	HANDSTATION AUTO MIXER T-3	HS-M03AA	120VAC		PLC	AUTO POS	
HS -	M03A	HAND	AC DI	1756-IA32	0 - : 1 / 01	1 -	1 -	17		T1 - B18	HANDSTATION HAND MIXER T-3	HS-M03AH	120VAC		PLC	HAND POS	L1 - Same as Auto
HS -	M03B	AUTO	AC DI	1756-IA32	0 - : 1 / 02	1 -	1 -	18	T1 - A19	T1 - B19	HANDSTATION AUTO MIXER T-3	HS-M03BA	120VAC		PLC	AUTO POS	
HS -	M03B	HAND	AC DI	1756-IA32	0 - : 1 / 03	1 -	1 -	19		T1 - 20B	HANDSTATION HAND MIXER T-3	HS-M03BH	120VAC		PLC	HAND POS	L1 - Same as Auto

Tag Loop Letter	IO Type	Module		Rack Slot Point	Panel Terminals		Description	Field Device	Signal Type	Range	Power	Closed State	Comments
HS - 04AB AUTO	AC DI	1756-IA32	0 - : 1 / 04	1 - 1 - 20	T1 - A21	T1 - B21	HANDSTATION AUTO MIXER T-4	HS-04BA	120VAC		PLC	AUTO POS	
HS - 04B HAND	AC DI	1756-IA32	0 - : 1 / 05	1 - 1 - 21		T1 - B22	HANDSTATION HAND MIXER T-4	HS-04BH	120VAC		PLC	HAND POS	L1 - Same as Auto
HS - 04B AUTO	AC DI	1756-IA32	0 - : 1 / 06	1 - 1 - 22	T1 - A23	T1 - B23	HANDSTATION AUTO MIXER T-4	HS-04AA	120VAC		PLC	AUTO POS	
HS - 04B HAND	AC DI	1756-IA32	0 - : 1 / 07	1 - 1 - 23		T1 - B24	HANDSTATION HAND MIXER T-4	HS-04AH	120VAC		PLC	HAND POS	L1 - Same as Auto
HS - 06 AUTO	AC DI	1756-IA32	0 - : 1 / 10	1 - 1 - 24	T1 - A25	T1 - B25	HANDSTATION AUTO MIXER T-6	HS-06A	120VAC		PLC	AUTO POS	
HS - 06 HAND	AC DI	1756-IA32	0 - : 1 / 11	1 - 1 - 25		T1 - B26	HANDSTATION HAND MIXER T-6	HS-06H	120VAC		PLC	HAND POS	L1 - Same as Auto
HS - M02A AUTO	AC DI	1756-IA32	0 - : 1 / 12	1 - 1 - 26	T1 - A27	T1 - B27	HANDSTATION AUTO	HS-M02AA	120VAC		PLC	AUTO POS	
HS - M02A HAND	AC DI	1756-IA32	0 - : 1 / 13	1 - 1 - 27		T1 - B28	HANDSTATION HAND	HS-M02AH	120VAC		PLC	HAND POS	L1 - Same as Auto
HS - M07D AUTO	AC DI	1756-IA32	0 - : 1 / 14	1 - 1 - 28	T1 - A29	T1 - B29	HANDSTATION AUTO MIXER T-7	HS-M07DA	120VAC		PLC	AUTO POS	
HS - M07 DH HS M07 DH	AC DI	1756-IA32	0 - : 1 / 15	1 - 1 - 29		T1 - B30			120VAC		PLC		L1 - Same as Auto
Hs M07 BA	AC DI	1756-IA32	0 - : 1 / 16	1 - 1 - 30	T1 - A31	T1 - B31			120VAC		PLC		
HS M07 BH	AC DI	1756-IA32	0 - : 1 / 17	1 - 1 - 31		T1 - B32			120VAC		PLC		L1 - Same as Auto
HS - M07B AUTO	AC DI	1756-IA32	0 - : 2 / 00	1 - 2 - 0			CLARIFIER - RUNNING STATUS		120VAC		PLC	RUNNING	
HS - M07B HAND	AC DI	1756-IA32	0 - : 2 / 01	1 - 2 - 1			FLASH MIXER - RUNNING STATUS		120VAC		PLC	RUNNING	
HS - M 10C HS M 10A	AC DI	1756-IA32	0 - : 2 / 02	1 - 2 - 2					120VAC		PLC		
HS - M 10H	AC DI	1756-IA32	0 - : 2 / 03	1 - 2 - 3					120VAC		PLC		
	AC DI	1756-IA32	0 - : 2 / 04	1 - 2 - 4					120VAC		PLC		
	AC DI	1756-IA32	0 - : 2 / 05	1 - 2 - 5					120VAC		PLC		
	AC DI	1756-IA32	0 - : 2 / 06	1 - 2 - 6					120VAC		PLC		
	AC DI	1756-IA32	0 - : 2 / 07	1 - 2 - 7					120VAC		PLC		

Tag	Loop	Letter	IO Type	Module		Rack	Slot	Point	Panel Terminals		Description	Field Device	Signal Type	Range	Power	Closed State	Comments
HS -	P03	AUTO	AC DI	1756-IA32	0 - : 2 / 10	1 -	2 -	8	T2 - A9	T2 - B9	HANDSTATION AUTO PROCESS PMP	HS-P03A	120VAC		PLC	AUTO POS	
HS -	P03	HAND	AC DI	1756-IA32	0 - : 2 / 11	1 -	2 -	9	T2 - No L	T3 - B10	HANDSTATION HAND PROCESS PMP	HS-P03H	120VAC		PLC	HAND POS	
HS -	P04	AUTO	AC DI	1756-IA32	0 - : 2 / 12	1 -	2 -	10	T2 - A11	T2 - B11	HANDSTATION AUTO PROCESS PMP	HS-P04A	120VAC		PLC	AUTO POS	
HS -	P04	HAND	AC DI	1756-IA32	0 - : 2 / 13	1 -	2 -	11	T2 - No L	T2 - B12	HANDSTATION HAND PROCESS PMP	HS-P04H	120VAC		PLC	HAND POS	
HS -	P05A	AUTO	AC DI	1756-IA32	0 - : 2 / 14	1 -	2 -	12	T2 - A13	T2 - B13	HANDSTATION AUTO T-5 RECIRC	HS-P05AA	120VAC		PLC	AUTO POS	
HS	P05	AH	AC DI	1756-IA32	0 - : 2 / 15	1 -	2 -	13					120VAC		PLC		
HS -	P05B	AUTO	AC DI	1756-IA32	0 - : 2 / 16	1 -	2 -	14	T2 A-15	T2 - B15	HANDSTATION AUTO T-5 RECIRC	HS-P05BA	120VAC		PLC	AUTO POS	
HS	P0?	BH	AC DI	1756-IA32	0 - : 2 / 17	1 -	2 -	15					120VAC		PLC		
HS -	P08A	AUTO	AC DI	1756-IA32	0 - : 3 / 00	1 -	2 -	16	T2 - A17	T2 - B17	HANDSTATION AUTO SLUDGE PMP A	HS-P08AA	120VAC		PLC	AUTO POS	
HS -	P08A	HAND	AC DI	1756-IA32	0 - : 3 / 01	1 -	2 -	17	T2 - No L	T2 - B18	HANDSTATION HAND SLUDGE PMP A	HS-P08AH	120VAC		PLC	HAND POS	
			AC DI	1756-IA32	0 - : 3 / 02	1 -	2 -	18					120VAC		PLC		
			AC DI	1756-IA32	0 - : 3 / 03	1 -	2 -	19					120VAC		PLC		
HS HS	P10 P10	AC AA	AC DI	1756-IA32	0 - : 3 / 04	1 -	2 -	20					120VAC		PLC		
HS	P10	AH	AC DI	1756-IA32	0 - : 3 / 05	1 -	2 -	21					120VAC		PLC		
			AC DI	1756-IA32	0 - : 3 / 06	1 -	2 -	22					120VAC		PLC		
			AC DI	1756-IA32	0 - : 3 / 07	1 -	2 -	23					120VAC		PLC		
			AC DI	1756-IA32	0 - : 3 / 10	1 -	2 -	24					120VAC		PLC		
			AC DI	1756-IA32	0 - : 3 / 11	1 -	2 -	25					120VAC		PLC		
HS HS	P10 P10	BC BA	AC DI	1756-IA32	0 - : 3 / 12	1 -	2 -	26					120VAC		PLC		
HS	P10	BH	AC DI	1756-IA32	0 - : 3 / 13	1 -	2 -	27					120VAC		PLC		

Tag	Loop	Letter	IO Type	Module		Rack	Slot	Point	Panel Terminals		Description	Field Device	Signal Type	Range	Power	Closed State	Comments
HS -	P13		AC DI	1756-IA32	0 - : 3 / 14	1 -	2 -	28	T2 - A29	T2 - B29	HANDSTATION, SUMP PUMP	HS-P13	120VAC		PLC		
LI -	14		AC DI	1756-IA32	0 - : 3 / 15	1 -	2 -	29	T2 - A30	T2 - B30	LEVEL SWITCH, SUMP PUMP	LS-14	120VAC		PLC		
LI -	15		AC DI	1756-IA32	0 - : 3 / 16	1 -	2 -	30	T2 - A31	T2 - B31	LEVEL SWITCH, SUMP PUMP	LS-15	120VAC		PLC		
LI -	16		AC DI	1756-IA32	0 - : 3 / 17	1 -	2 -	31	T2 - A32	T2 - B32	LEVEL SWITCH, SUMP PUMP	LS-16	120VAC		PLC		
LI -	P17		AC DI	1756-IA32	0 - : 4 / 00	1 -	3 -	0	T3 - A1	T3 - B1	LEVEL SWITCH, SUMP PUMP	LS-P17	120VAC		PLC		
LI -	P18		AC DI	1756-IA32	0 - : 4 / 01	1 -	3 -	1	T3 - A2	T3 - B2	LEVEL SWITCH, SUMP PUMP	LS-P18	120VAC		PLC		
YI -	2-1	A	AC DI	1756-IA32	0 - : 4 / 02	1 -	3 -	2	T3 - No L	T3 - B3	STATUS (splice block PLCT-12)	YS-2-1A	120VAC		PLC		
YI -	2-1	B	AC DI	1756-IA32	0 - : 4 / 03	1 -	3 -	3	T3 - No L	T3 - B4	STATUS (splice block PLCT-12)	YS-2-1B	120VAC		PLC		
YS YS	2-1 2-1		AC DI	1756-IA32	0 - : 4 / 04	1 -	3 -	4					120VAC		PLC		
YI -	4-1	0	AC DI	1756-IA32	0 - : 4 / 05	1 -	3 -	5	T3 - No L	T3 - B6	STATUS T-3 INF OPEN	YS-3-1A	120VAC		PLC		
YI -	4-1	C	AC DI	1756-IA32	0 - : 4 / 06	1 -	3 -	6	T3 - No L	T3 - B7	STATUS T-3 INF CLOSED	YS-3-1B	120VAC		PLC		
YI -	3-2	A	AC DI	1756-IA32	0 - : 4 / 07	1 -	3 -	7	T3 - No L	T3 - B8	STATUS T-3 EFF OPEN	YS-3-2A	120VAC		PLC		
YI -	3-2	B	AC DI	1756-IA32	0 - : 4 / 10	1 -	3 -	8	T3 - No L	T3 - B9	STATUS T-3 EFF CLOSED	YS-3-2B	120VAC		PLC		
YI -	4-1	A	AC DI	1756-IA32	0 - : 4 / 11	1 -	3 -	9	T3 - No L	T3 B10	STATUS T-4 INF OPEN	YS-4-1A	120VAC		PLC		
YI -	4-1	B	AC DI	1756-IA32	0 - : 4 / 12	1 -	3 -	10	T3 - No L	T3 - B11	STATUS T-4 INF CLOSED	YS-4-1B	120VAC		PLC		
YI -	3-1	A	AC DI	1756-IA32	0 - : 4 / 13	1 -	3 -	11	T3 -No L	T3 - B12	STATUS T-4 EFF OPEN	YS-4-2A	120VAC		PLC		
YI -	3-1	B	AC DI	1756-IA32	0 - : 4 / 14	1 -	3 -	12	T3 - No L	T3 - B13	STATUS T-4 EFF CLOSED	YS-4-2B	120VAC		PLC		
YI -	M03	A	AC DI	1756-IA32	0 - : 4 / 15	1 -	3 -	13	T3 - A14	T3 - B14	STATUS T-3 MIXER ON	YS-M03A	120VAC		PLC		
YI -	M03	B	AC DI	1756-IA32	0 - : 4 / 16	1 -	3 -	14	T3 - A15	T3 - B15	STATUS T-3 MIXER ON	YS-M03B	120VAC		PLC		
YI -	M04	A	AC DI	1756-IA32	0 - : 4 / 17	1 -	3 -	15	T3 - A16	T3 - B16	STATUS T-4 MIXER ON	YS-M04A	120VAC		PLC		

Tag Loop Letter	IO Type	Module		Rack Slot Point	Panel Terminals		Description	Field Device	Signal Type	Range	Power	Closed State	Comments
YI - M04 B	AC DI	1756-IA32	0 - : 5 / 00	1 - 3 - 16	T3 - A17	T3 - B17	STATUS T-4 MIXER ON	YS-M04B	120VAC		PLC		
YI - M06	AC DI	1756-IA32	0 - : 5 / 01	1 - 3 - 17	T-3 A-18	T3 - B18	STATUS T-6 MIXER ON	YS-M06	120VAC		PLC		
	AC DI	1756-IA32	0 - : 5 / 02	1 - 3 - 18					120VAC		PLC		
YI - M07 A	AC DI	1756-IA32	0 - : 5 / 03	1 - 3 - 19	T3 - A20	T3 - B20	STATUS T-7 MIXER ON	YS-M07A	120VAC		PLC		
	AC DI	1756-IA32	0 - : 5 / 04	1 - 3 - 20					120VAC		PLC		
YI - M07 B	AC DI	1756-IA32	0 - : 5 / 05	1 - 3 - 21	T3 A-22	T-3 B22	STATUS T-7 MIXER ON	YS-M07B	120VAC		PLC		
YI - M08 A	AC DI	1756-IA32	0 - : 5 / 06	1 - 3 - 22	T3 - A23	T3 - B23	STATUS FLASH MIX ON	YS-M08A	120VAC		PLC		
YI - M08 B	AC DI	1756-IA32	0 - : 5 / 07	1 - 3 - 23	T3 - A24	T3 - B24	STATUS FLOC MIX ON	YS-M08B	120VAC		PLC		
YS 11-10	AC DI	1756-IA32	0 - : 5 / 10	1 - 3 - 24					120VAC		PLC		
YI - P03 F	AC DI	1756-IA32	0 - : 5 / 11	1 - 3 - 25	T3 - A26	T3 - B26	FAULT STATUS VFD PROCESS	YS-P03F	120VAC		PLC		
YI - P03 R	AC DI	1756-IA32	0 - : 5 / 12	1 - 3 - 26	T3 - A27	T3 -B27	RUNNING STATUS PROCESS PMP ON	YS-P03R	120VAC		PLC	RUNNING	
YI - P04 F	AC DI	1756-IA32	0 - : 5 / 13	1 - 3 - 27	T3 - A28	T3 - B28	FAULT STATUS VFD PROCESS	YS-P04F	120VAC		PLC		
YI - P04 R	AC DI	1756-IA32	0 - : 5 / 14	1 - 3 - 28	T3 - A29	T3 - B29	RUNNING STATUS PROCESS PMP ON	YS-P04R	120VAC		PLC	RUNNING	
YI - P05 A	AC DI	1756-IA32	0 - : 5 / 15	1 - 3 - 29	T3 - A30	T3 - B30	STATUS T-5 TRANS ON	YS-P05A	120VAC		PLC		
YI - P05 B	AC DI	1756-IA32	0 - : 5 / 16	1 - 3 - 30	T3 - A31	T3 - B31	STATUS T-5 TRANS ON	YS-P05B	120VAC		PLC		
YS P10 A	AC DI	1756-IA32	0 - : 5 / 17	1 - 3 - 31					120VAC		PLC		
YS P10 B	AC DI	1756-IA32	0 - : 6 / 00	1 - 4 - 0					120VAC		PLC		
YI - P13	AC DI	1756-IA32	0 - : 6 / 01	1 - 4 - 1	T4 - A2	T4 - B2	STATUS SUMP PUMP ON (On splice block) PLC T-12	YS-P13	120VAC		PLC		
YI - P14	AC DI	1756-IA32	0 - : 6 / 02	1 - 4 - 2	T4 - A3	T4 - B3	STATUS SUMP PUMP ON (On splice block) PLC T-12	YS-P14	120VAC		PLC		
YI - P15	AC DI	1756-IA32	0 - : 6 / 03	1 - 4 - 3	T4 - A4	T4 - B4	STATUS SUMP PUMP ON	YS-P15	120VAC		PLC		

Tag Loop Letter	IO Type	Module		Rack Slot Point	Panel Terminals		Description	Field Device	Signal Type	Range	Power	Closed State	Comments
YI - P16	AC DI	1756-IA32	0 - : 6 / 04	1 - 4 - 4	T4 - A5	T4 - B5	STATUS SUMP PUMP ON	YS-P16	120VAC		PLC		
YI - P17	AC DI	1756-IA32	0 - : 6 / 05	1 - 4 - 5	T4 - A6	T4 - B6	STATUS SUMP PUMP ON (On splice block) PLC T-12	YS-P17	120VAC		PLC		
YI - P18	AC DI	1756-IA32	0 - : 6 / 06	1 - 4 - 6	T4 - A7	T4 - B7	STATUS SUMP PUMP ON	YS-P18	120VAC		PLC		
	AC DI	1756-IA32	0 - : 6 / 07	1 - 4 - 7					120VAC		PLC		
	AC DI	1756-IA32	0 - : 6 / 10	1 - 4 - 8					120VAC		PLC		
YS T09 A	AC DI	1756-IA32	0 - : 6 / 11	1 - 4 - 9					120VAC		PLC		
	AC DI	1756-IA32	0 - : 6 / 12	1 - 4 - 10					120VAC		PLC		
YS 11E-1	AC DI	1756-IA32	0 - : 6 / 13	1 - 4 - 11					120VAC		PLC		
YI - P01 A	AC DI	1756-IA32	0 - : 6 / 14	1 - 4 - 12	T4 - A13	T4 - B13	STATUS T-1 PUMP1	YS-P01A	120VAC		PLC		
YI - P01 B	AC DI	1756-IA32	0 - : 6 / 15	1 - 4 - 13	T4 - A14	T4 - B14	STATUS T-1 PUMP2	YS-P01B	120VAC		PLC		
YI - P01 C	AC DI	1756-IA32	0 - : 6 / 16	1 - 4 - 14	T4 - A15	T4 - B15	STATUS T-1 PUMP3	YS-P01C	120VAC		PLC		
	AC DI	1756-IA32	0 - : 6 / 17	1 - 4 - 15					120VAC		PLC		
FI - 6-1	AC DI	1756-IA32	0 - : 7 / 00	1 - 4 - 16	T4 - A17	T4 - B17	FLOW SWITCH	FS-6-1	120VAC		PLC		JUMPER - ALWAYS ON
FI - 6-2	AC DI	1756-IA32	0 - : 7 / 01	1 - 4 - 17	T4 - A18	T4 - B18	FLOW SWITCH	FS-6-2	120VAC		PLC		
YI - P06 A	AC DI	1756-IA32	0 - : 7 / 02	1 - 4 - 18	T4 - A19	T4 - B19	STATUS S02 A ON	YS-P06A	120VAC		PLC		
YI - P06 B	AC DI	1756-IA32	0 - : 7 / 03	1 - 4 - 19	T4 - A20	T-4 B-20	STATUS S02 B ON	YS-P06B	120VAC		PLC		
HS - P06A AUTO	AC DI	1756-IA32	0 - : 7 / 04	1 - 4 - 20	T4 - A21	T4 - B21	HANDSTATION AUTO S02 A	HS-P06AA	120VAC		PLC	AUTO POS	
HS - P06A HAND	AC DI	1756-IA32	0 - : 7 / 05	1 - 4 - 21	T4 - A22	T4 - B22	HANDSTATION HAND S02 A	HS-P06AH	120VAC		PLC	HAND POS	
HS - P06B AUTO	AC DI	1756-IA32	0 - : 7 / 06	1 - 4 - 22	T4 - A23	T4 - B23	HANDSTATION AUTO S02 B	HS-P06BA	120VAC		PLC	AUTO POS	
HS - P06B HAND	AC DI	1756-IA32	0 - : 7 / 07	1 - 4 - 23	T4 - A24	T4 - B24	HANDSTATION HAND S02 B	HS-P06BH	120VAC		PLC	HAND POS	

Tag Loop Letter	IO Type	Module		Rack Slot Point	Panel Terminals		Description	Field Device	Signal Type	Range	Power	Closed State	Comments
HA - 1-5A AUTO	AC DI	1756-IA32	0 - : 7 / 10	1 - 4 - 24	T4 - A25	T4 - B25	HANDSTATION AUTO	HS-1-5AA	120VAC		PLC	AUTO POS	Relay #2
	AC DI	1756-IA32	0 - : 7 / 11	1 - 4 - 25					120VAC		PLC		
YI - 2-1A C	AC DI	1756-IA32	0 - : 7 / 12	1 - 4 - 26	T4 - No L	T4 - B27	CLOSED STATUS, T-5 DIVERSION	YS-2-1AC	120VAC		PLC	CLOSED POS	
YI - 2-1A O	AC DI	1756-IA32	0 - : 7 / 13	1 - 4 - 27	T4 - No L	T4 - B28	OPEN STATUS, T-5 DIVERSION	YS-2-1AO	120VAC		PLC	OPEN POS	
	AC DI	1756-IA32	0 - : 7 / 14	1 - 4 - 28					120VAC		PLC		
	AC DI	1756-IA32	0 - : 7 / 15	1 - 4 - 29					120VAC		PLC		
	AC DI	1756-IA32	0 - : 7 / 16	1 - 4 - 30					120VAC		PLC		
	AC DI	1756-IA32	0 - : 7 / 17	1 - 4 - 31					120VAC		PLC		
HS P11 AA	DC DI	1756-IB32	1 - : 0 / 00	1 - 5 - 0					24VDC		PLC		
HS P11 AH	DC DI	1756-IB32	1 - : 0 / 01	1 - 5 - 1					24VDC		PLC		
HS P11 BA	DC DI	1756-IB32	1 - : 0 / 02	1 - 5 - 2					24VDC		PLC		
HS P11 BA	DC DI	1756-IB32	1 - : 0 / 03	1 - 5 - 3					24VDC		PLC		
YS P11 A	DC DI	1756-IB32	1 - : 0 / 04	1 - 5 - 4					24VDC		PLC		
YS P11 B	DC DI	1756-IB32	1 - : 0 / 05	1 - 5 - 5					24VDC		PLC		
SP P02 AA	DC DI	1756-IB32	1 - : 0 / 06	1 - 5 - 6					24VDC		PLC		
SP P02 AH	DC DI	1756-IB32	1 - : 0 / 07	1 - 5 - 7					24VDC		PLC		
SP P02 BA	DC DI	1756-IB32	1 - : 0 / 10	1 - 5 - 8					24VDC		PLC		
SP PO2 BH	DC DI	1756-IB32	1 - : 0 / 11	1 - 5 - 9					24VDC		PLC		
SP - P08A AUTO	DC DI	1756-IB32	1 - : 0 / 12	1 - 5 - 10	T5 - A11	T5 - B11	HANDSTATION AUTO SLUDGE A	SP-P08AA	24VDC		PLC	AUTO POS	
SP - P08A HAND	DC DI	1756-IB32	1 - : 0 / 13	1 - 5 - 11	T5 - No L	T5 - B12	HANDSTATION HAND SLUDGE A	SP-P08AH	24VDC		PLC	HAND POS	

Tag Loop Letter	IO Type	Module		Rack Slot Point	Panel Terminals		Description	Field Device	Signal Type	Range	Power	Closed State	Comments
SP - P08B AUTO	DC DI	1756-IB32	1 - : 0 / 14	1 - 5 - 12	T5 - A13	T5 - B13	HANDSTATION AUTO SLUDGE B	SP-P08BA	24VDC		PLC	AUTO POS	
SP - P08B HAND	DC DI	1756-IB32	1 - : 0 / 15	1 - 5 - 13	T5 - No L	T5 - B14	HANDSTATION HAND SLUDGE B	SP-P08BH	24VDC		PLC	HAND POS	
SP - SO2A LO	DC DI	1756-IB32	1 - : 0 / 16	1 - 5 - 14	T5 - A15	T5 - B15	SO2 LOW LEVEL (A)	SP-SO2LO	24VDC		PLC		
SP - SO2A HI	DC DI	1756-IB32	1 - : 0 / 17	1 - 5 - 15	T5 - A16	T5 - B16	SO2 HIGH LEVEL (A)	SP-SO2HI	24VDC		PLC		
SP - SO2B LO	DC DI	1756-IB32	1 - : 1 / 00	1 - 5 - 16	T5 - A17	T5 - B17	SO2 LOW LEVEL (B)	SP-SO2LO	24VDC		PLC		
SP - SO2B HI	DC DI	1756-IB32	1 - : 1 / 01	1 - 5 - 17	T5 - A18	T5 - B18	SO2 HIGH LEVEL (B)	SP-SO2HI	24VDC		PLC		
	DC DI	1756-IB32	1 - : 1 / 02	1 - 5 - 18					24VDC		PLC		
	DC DI	1756-IB32	1 - : 1 / 03	1 - 5 - 19					24VDC		PLC		
TI - 21A	DC DI	1756-IB32	1 - : 1 / 04	1 - 5 - 20			TEMPERATURE SWITCH	TS-21A	24VDC		PLC		JUMPER - ALWAYS ON
TI - 22A	DC DI	1756-IB32	1 - : 1 / 05	1 - 5 - 21			TEMPERATURE SWITCH	TS-22A	24VDC		PLC		JUMPER - ALWAYS ON
	DC DI	1756-IB32	1 - : 1 / 06	1 - 5 - 22					24VDC		PLC		
	DC DI	1756-IB32	1 - : 1 / 07	1 - 5 - 23					24VDC		PLC		
	DC DI	1756-IB32	1 - : 1 / 10	1 - 5 - 24					24VDC		PLC		
	DC DI	1756-IB32	1 - : 1 / 11	1 - 5 - 25					24VDC		PLC		
	DC DI	1756-IB32	1 - : 1 / 12	1 - 5 - 26					24VDC		PLC		
	DC DI	1756-IB32	1 - : 1 / 13	1 - 5 - 27					24VDC		PLC		
	DC DI	1756-IB32	1 - : 1 / 14	1 - 5 - 28					24VDC		PLC		
	DC DI	1756-IB32	1 - : 1 / 15	1 - 5 - 29					24VDC		PLC		
	DC DI	1756-IB32	1 - : 1 / 16	1 - 5 - 30					24VDC		PLC		
	DC DI	1756-IB32	1 - : 1 / 17	1 - 5 - 31					24VDC		PLC		

Tag Loop Letter	IO Type	Module		Rack Slot Point	Panel Terminals		Description	Field Device	Signal Type	Range	Power	Closed State	Comments
MS - P06 B	AC DO	1756-OA16	1 - : 2 / 00	1 - 6 - 0	T6 - A1	T6 - B1	COMMAND START S02 B	MS-P06B	120VAC		PLC		
YV - 2-1 B	AC DO	1756-OA16	1 - : 2 / 01	1 - 6 - 1	T6 - No L	T6 - A2	COMMAND	YV-2-1B	120VAC		PLC		
MS NE-1	AC DO	1756-OA16	1 - : 2 / 02	1 - 6 - 2					120VAC		PLC		
MS - PO8 A	AC DO	1756-OA16	1 - : 2 / 03	1 - 6 - 3	T6 - A4	T6 - B4	COMMAND SLUDGE PUMP A	MS-P08A	120VAC		PLC		DUPLICATE
	AC DO	1756-OA16	1 - : 2 / 04	1 - 6 - 4					120VAC		PLC		
MS - M02 A	AC DO	1756-OA16	1 - : 2 / 05	1 - 6 - 5	T6 - A6	T6 - B6	COMMAND	MS-M02A	120VAC		PLC		
	AC DO	1756-OA16	1 - : 2 / 06	1 - 6 - 6					120VAC		PLC		
MS - P03	AC DO	1756-OA16	1 - : 2 / 07	1 - 6 - 7	T6 - A8	T6 - B8	COMMAND CR REAC PUMP A	MS-P03	120VAC		PLC		
MS - P05 A	AC DO	1756-OA16	1 - : 2 / 10	1 - 6 - 8	T6 - A9	T6 - B9	COMMAND T-5 TRANS A	MS-P05A	120VAC		PLC		
MS P10 A	AC DO	1756-OA16	1 - : 2 / 11	1 - 6 - 9					120VAC		PLC		
MS P10 B	AC DO	1756-OA16	1 - : 2 / 12	1 - 6 - 10					120VAC		PLC		
MS - P01 A	AC DO	1756-OA16	1 - : 2 / 13	1 - 6 - 11	T6 - A12	T6 - B12	COMMAND T-1 A	MS-P01A	120VAC		PLC		
MS - P01 B	AC DO	1756-OA16	1 - : 2 / 14	1 - 6 - 12	T6 - A13	T6 - B13	COMMAND T-1 B	MS-P01B	120VAC		PLC		
MS - P01 C	AC DO	1756-OA16	1 - : 2 / 15	1 - 6 - 13	T6 - A14	T6 - B14	COMMAND T-1 C	MS-P01C	120VAC		PLC		
MS - P04	AC DO	1756-OA16	1 - : 2 / 16	1 - 6 - 14	T6 - A15	T6 - B15	COMMAND CR REAC PUMP B	MS-P04	120VAC		PLC		
MS - P05 B	AC DO	1756-OA16	1 - : 2 / 17	1 - 6 - 15	T6 - A16	T6 - B16	COMMAND T-5 TRANS B	MS-P05B	120VAC		PLC		
MS - M03 A	AC DO	1756-OA16	1 - : 3 / 00	1 - 7 - 0	T7 - A1	T7 - B1	COMMAND MIXER T-3 A	MS-M03A	120VAC		PLC		
MS - M03 B	AC DO	1756-OA16	1 - : 3 / 01	1 - 7 - 1	T7 - A2	T7 - B2	COMMAND MIXER T-3 B	MS-M03B	120VAC		PLC		
MS - M04 A	AC DO	1756-OA16	1 - : 3 / 02	1 - 7 - 2	T7 - A3	T7 - B3	COMMAND MIXER T-4 A	MS-M04A	120VAC		PLC		
MS - M04 B	AC DO	1756-OA16	1 - : 3 / 03	1 - 7 - 3	T7 - A4	T7 A-4	COMMAND MIXER T-4 B	MS-M04B	120VAC		PLC		

Tag Loop Letter	IO Type	Module		Rack Slot Point	Panel Terminals		Description	Field Device	Signal Type	Range	Power	Closed State	Comments
MS - M06	AC DO	1756-OA16	1 - : 3 / 04	1 - 7 - 4	T7 - A5	T7 - B5	COMMAND MIXER T-6	MS-M06	120VAC		PLC		
	AC DO	1756-OA16	1 - : 3 / 05	1 - 7 - 5					120VAC		PLC		
MS - M07 D	AC DO	1756-OA16	1 - : 3 / 06	1 - 7 - 6	T7 -A7	T7 - B7	COMMAND MIXER T-7 D	MS-M07A	120VAC		PLC		
MS P02 B	AC DO	1756-OA16	1 - : 3 / 07	1 - 7 - 7					120VAC		PLC		
MS - M07 B	AC DO	1756-OA16	1 - : 3 / 10	1 - 7 - 8	T7 - A9	T7 - B9	COMMAND MIXER T-7 D	MS-M07B	120VAC		PLC		
MS M10	AC DO	1756-OA16	1 - : 3 / 11	1 - 7 - 9					120VAC		PLC		
YV - 2-1 A	AC DO	1756-OA16	1 - : 3 / 12	1 - 7 - 10	T-7 No L	T7 - A11	COMMAND	YV-2-1A	120VAC		PLC		Relay #1
YV - 4-2	AC DO	1756-OA16	1 - : 3 / 13	1 - 7 - 11	T7 - No L	T7 - A12	COMMAND T-3 INF VALVE	YV-3-1	120VAC		PLC		Relay #3
YV - 3-2	AC DO	1756-OA16	1 - : 3 / 14	1 - 7 - 12	T7 - No L	T7 - A13	COMMAND T-3 EFF VALVE	YV-1-2	120VAC		PLC		Re;ay #4
YV - 4-1	AC DO	1756-OA16	1 - : 3 / 15	1 - 7 - 13	T7 - No L	T7 - A14	COMMAND T-4 INF VALVE	YV-4-1	120VAC		PLC		Relay #5
YV - 3-1	AC DO	1756-OA16	1 - : 3 / 16	1 - 7 - 14	T7 - No L	T7 - B15	COMMAND T-4 EFF VALVE	YV-4-2	120VAC		PLC		
MS - P06 A	AC DO	1756-OA16	1 - : 3 / 17	1 - 7 - 15	T7 - A16	T7 - B16	COMMAND START S02 PUMPA	MS-P06A	120VAC		PLC		
MS - P11 A	DC DO	1756-OB32	1 - : 4 / 00	1 - 8 - 0					24VDC		PLC		
MS P11 B	DC DO	1756-OB32	1 - : 4 / 01	1 - 8 - 1					24VDC		PLC		
MS - P08 A	DC DO	1756-OB32	1 - : 4 / 02	1 - 8 - 2	T8 - A3	T8 - B3	COMMAND AIR SOL SLUDGE A	MSP08A	24VDC		PLC		DUPLICATE
MS - P08 B	DC DO	1756-OB32	1 - : 4 / 03	1 - 8 - 3	T8 - A4	T8 - B4	COMMAND AIR SOL SLUDGE B	MS-P08B	24VDC		PLC		
MS PO2 A	DC DO	1756-OB32	1 - : 4 / 04	1 - 8 - 4					24VDC		PLC		
MS PO2 B	DC DO	1756-OB32	1 - : 4 / 05	1 - 8 - 5					24VDC		PLC		
MS - POLY	DC DO	1756-OB32	1 - : 4 / 06	1 - 8 - 6	T8 - A7	T8 - B7	COMMAND POLYMER	MS-POLY	24VDC		PLC		
	DC DO	1756-OB32	1 - : 4 / 07	1 - 8 - 7			T7-C7		24VDC		PLC		

Tag	Loop	Letter	IO Type	Module		Rack	Slot	Point	Panel Terminals		Description	Field Device	Signal Type	Range	Power	Closed State	Comments
			DC DO	1756-OB32	1 - : 4 / 10	1	8	8					24VDC		PLC		
			DC DO	1756-OB32	1 - : 4 / 11	1	8	9					24VDC		PLC		
			DC DO	1756-OB32	1 - : 4 / 12	1	8	10					24VDC		PLC		
			DC DO	1756-OB32	1 - : 4 / 13	1	8	11					24VDC		PLC		
			DC DO	1756-OB32	1 - : 4 / 14	1	8	12					24VDC		PLC		
			DC DO	1756-OB32	1 - : 4 / 15	1	8	13					24VDC		PLC		
			DC DO	1756-OB32	1 - : 4 / 16	1	8	14					24VDC		PLC		
			DC DO	1756-OB32	1 - : 4 / 17	1	8	15					24VDC		PLC		
			DC DO	1756-OB32	1 - : 5 / 00	1	8	16					24VDC		PLC		
			DC DO	1756-OB32	1 - : 5 / 01	1	8	17					24VDC		PLC		
			DC DO	1756-OB32	1 - : 5 / 02	1	8	18					24VDC		PLC		
			DC DO	1756-OB32	1 - : 5 / 03	1	8	19					24VDC		PLC		
			DC DO	1756-OB32	1 - : 5 / 04	1	8	20					24VDC		PLC		
			DC DO	1756-OB32	1 - : 5 / 05	1	8	21					24VDC		PLC		
			DC DO	1756-OB32	1 - : 5 / 06	1	8	22					24VDC		PLC		
			DC DO	1756-OB32	1 - : 5 / 07	1	8	23					24VDC		PLC		
			DC DO	1756-OB32	1 - : 5 / 10	1	8	24					24VDC		PLC		
			DC DO	1756-OB32	1 - : 5 / 11	1	8	25					24VDC		PLC		
			DC DO	1756-OB32	1 - : 5 / 12	1	8	26					24VDC		PLC		
			DC DO	1756-OB32	1 - : 5 / 13	1	8	27					24VDC		PLC		

Tag Loop Letter	IO Type	Module		Rack Slot Point	Panel Terminals		Description	Field Device	Signal Type	Range	Power	Closed State	Comments
	DC DO	1756-OB32	1 - : 5 / 14	1 - 8 - 28					24VDC		PLC		
	DC DO	1756-OB32	1 - : 5 / 15	1 - 8 - 29					24VDC		PLC		
	DC DO	1756-OB32	1 - : 5 / 16	1 - 8 - 30					24VDC		PLC		
	DC DO	1756-OB32	1 - : 5 / 17	1 - 8 - 31					24VDC		PLC		
	AI	1756-IF16	1 - - 6 - 1	1 - 9 - 0			T 8-1 D field		4-20ma		LOOP		
	AI	1756-IF16	1 - - 6 - 2	1 - 9 - 1			WIRED T8-2 D T8-2 D		4-20ma		LOOP		NOT LABELED
	AI	1756-IF16	1 - - 6 - 3	1 - 9 - 2			WIRED T8-3 D T8-3 D		4-20ma		LOOP		NOT LABELED
	AI	1756-IF16	1 - - 6 - 4	1 - 9 - 3			WIRED T8-4D		4-20ma		LOOP		NOT LABELED
Term T11-7	AI	1756-IF16	1 - - 7 - 1	1 - 9 - 4	T9 - 5A	T9 -5B	WIRED T11-7 D T8-5 D		4-20ma		LOOP		NOT LABELED
Term T11-6	AI	1756-IF16	1 - - 7 - 2	1 - 9 - 5	T9 - 6A	T9 - 6B	T8-6 D		4-20ma		LOOP		
Term T11-5	AI	1756-IF16	1 - - 7 - 3	1 - 9 - 6	T9 - 7A	T9 - 7B	T8-7 D		4-20ma		LOOP		
T3 PH	AI	1756-IF16	1 - - 7 - 4	1 - 9 - 7	T9 - 8A	T9 - 8B	T8-8 D		4-20ma		LOOP		
T4 PH	AI	1756-IF16	2 - - 0 - 1	1 - 9 - 8	T9 - 9A	T9 - 9B	T9-1 D		4-20ma		LOOP		
T6 ORD	AI	1756-IF16	2 - - 0 - 2	1 - 9 - 9	T9 - 10A	T9 - 10B	T9-2 D		4-20ma		LOOP		
T6 - PH 1	AI	1756-IF16	2 - - 0 - 3	1 - 9 - 10	T9 - 11A	T9 - 11B	T9-3D		4-20ma		LOOP		
T6 - PH 2	AI	1756-IF16	2 - - 0 - 4	1 - 9 - 11	T9 - 12A	T9 -12B	T9-4D		4-20ma		LOOP		
T6 - ORP 2	AI	1756-IF16	2 - - 1 - 1	1 - 9 - 12	T9 - 13A	T9 - 12B	T9-5D		4-20ma		LOOP		
T7 - PH 1A	AI	1756-IF16	2 - - 1 - 2	1 - 9 - 13	T9 - 14A	T9 - 14B	T9-6D		4-20ma		LOOP		
T7 - PH 1B	AI	1756-IF16	2 - - 1 - 3	1 - 9 - 14	T9 - 15A	T9 - 15B	T9-7D		4-20ma		LOOP		
T7 - PH 2A	AI	1756-IF16	2 - - 1 - 4	1 - 9 - 15	T9 - 16A	T9 - 16B	T9-8D		4-20ma		LOOP		

Tag	Loop	Letter	IO Type	Module		Rack	Slot	Point	Panel Terminals		Description	Field Device	Signal Type	Range	Power	Closed State	Comments
T3	Level		AI		2 - - 2 - 1	1 -	10 -	0	T10 - 1A	T10 - 1B	T10-1D		4-20ma		LOOP		
T4 -	Level		AI		2 - - 2 - 2	1 -	10 -	1	T10 - 2A	T10 - 2B	T10-2D		4-20ma		LOOP		
T5 -	Level		AI		2 - - 2 - 3	1 -	10 -	2	T10 - 3A	T10 - 3B	T10-3D		4-20ma		LOOP		
T10 -	Level		AI		2 - - 2 - 4	1 -	10 -	3	T10 - 4A	T10 - 4B	T10-4D		4-20ma		LOOP		
LI -	1-2	T-11-1	AI		2 - - 3 - 1	1 -	10 -	4	T10 - 5A	T10 - 5B	* Blk & Rd Change + - T10-5D		4-20ma		LOOP		
LI -	11-1	T8-1	AI		2 - - 3 - 2	1 -	10 -	5	T10 - 6A	T10 - 6B	* Blk & Rd Change + - T10-6D		4-20ma		LOOP		
LI -	10-1/ mcpi	T8-6	AI		2 - - 3 - 3	1 -	10 -	6	T10 - 7A	T10 - 7B	* Blk & Rd Change + - T10-7D		4-20ma		LOOP		
T6 -	FI Tank G	3-1 Flow	AI		2 - - 3 - 4	1 -	10 -	7	T10 - 8A	T10 - 8B	T-11 - 7 D T10-8D		4-20ma		LOOP		
			AI		2 - - 4 - 1	1 -	10 -	8			T11-1D		4-20ma		LOOP		
TECM -	T	1-4	AI		2 - - 4 - 2	1 -	10 -	9	T10 - 10A	T10 - 10B	T11-2D		4-20ma		LOOP		
FT -		3-1	AI		2 - - 4 - 3	1 -	10 -	10	T10 - 11A	T10 - 11B	IA-4D		4-20ma		LOOP		
AI T-12 -	Term (splice	T8-7 block)	AI		2 - - 4 - 4	1 -	10 -	11	T10 - 12A	T10 - 12B	T11-4D		4-20ma		LOOP		
AI -		8-1	AI		2 - - 5 - 1	1 -	10 -	12	T10 - 13A	T10 - 13B	T11-5D		4-20ma		LOOP		
T7 -	PH	2-B	AI		2 - - 5 - 2	1 -	10 -	13	T10 - 14A	T10 - 14B	T11-6D		4-20ma		LOOP		
TI -	PH		AI		2 - - 5 - 3	1 -	10 -	14	T10 - 15A	T10 - 15B	T11-7D		4-20ma		LOOP		
TI -	ORP		AI		2 - - 5 - 4	1 -	10 -	15	T10 - 16A	T10 - 16B	T11-8D		4-20ma		LOOP		
1 -	11-0	(unknown)	AO	1756-OF8	2 - - 6 - 1	1 -	11 -	0	T11 - 1A	T11 1B	T12-1D		4-20ma		LOOP		NOT LABELED
SCP	11A		AO	1756-OF8	2 - - 6 - 2	1 -	11 -	1	T11 - 2A	T11 - 2B	T12-2D		4-20ma		LOOP		
SCP	11B		AO	1756-OF8	2 - - 7 - 1	1 -	11 -	2	T11 - 3A	T11 - 3B	T12-3D		4-20ma		LOOP		
SC -	P12		AO	1756-OF8	2 - - 7 - 2	1 -	11 -	3	T11 - 4A	T11 - 4B	WIRED T12-4D		4-20ma		LOOP		

Tag Loop Letter	IO Type	Module		Rack Slot Point	Panel Terminals		Description	Field Device	Signal Type	Range	Power	Closed State	Comments
SC - P03	AO	1756-OF8	3 - - 0 - 1	1 - 11 - 4	T11 - 5A	T11 - 5B	WIRED T13-1D		4-20ma		LOOP		
SC - P04	AO	1756-OF8	3 - - 0 - 2	1 - 11 - 5	T11 - 6A	T11 - 6B	WIRED T13-2D		4-20ma		LOOP		
SC - $SO5_2$ CH3	AO	1756-OF8	3 - - 1 - 1	1 - 11 - 6	T11 - 7A	T11 - 7B	WIRED (was T13-3D)		4-20ma		LOOP		
SC - SO_2 CH4	AO	1756-OF8	3 - - 1 - 2	1 - 11 - 7	T11 - 8A	T11 - 8B	WIRED (was T13-4D)		4-20ma		LOOP		