

Cable Schedule

Cable Tag	Cable Specs	Cond #	Description	Signal #	From	TS #	To	TS #
PLC-Cable-01	37 Conductor #22 AWG w/ Overall Shield Belden#9949	1	SOS Run Forward Signal	2:O:1/00+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		2	SOS Run Forward Signal	2:O:1/00-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		3	HMS Run Forward Signal	2:O:1/01+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		4	HMS Run Forward Signal	2:O:1/01-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		5	SOS Run Reverse Signal	2:O:1/02+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		6	SOS Run Reverse Signal	2:O:1/02-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		7	HMS Run Reverse Signal	2:O:1/03+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		8	HMS Run Reverse Signal	2:O:1/03-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		9	Reset Signal VFD	2:O:1/04+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		10	Reset Signal VFD	2:O:1/04-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		11	VFD Emergency Stop	2:O:1/05+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		12	VFD Emergency Stop	2:O:1/05-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		13	Hom HMS	2:O:1/06+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		14	Hom HMS	2:O:1/06-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		15	Spare	2:O:1/07+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		16	Spare	2:O:1/07-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		17	Spare	2:O:1/08+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		18	Spare	2:O:1/08-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		19	Hom SOS	2:O:1/09+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		20	Hom SOS	2:O:1/09-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		21	Spare	2:O:1/10+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		22	Spare	2:O:1/10-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		23	Spare	2:O:1/11+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		24	Spare	2:O:1/11-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		25	Spare	2:O:1/12+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		26	Spare	2:O:1/12-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		27	Spare	2:O:1/13+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		28	Spare	2:O:1/13-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		29	Spare	2:O:1/14+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		30	Spare	2:O:1/14-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		31	PLC Fault Pilot Light	2:O:1/15+	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		32	PLC Fault Pilot Light	2:O:1/15-	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		33	N/A	N/A	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		34	N/A	N/A	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		35	N/A	N/A	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		36	N/A	N/A	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01
		37	N/A	N/A	User PLC Crate	1756-OW161	Carriage Local Control Panel	TS-PLC-01

Relay

P24

#710

P24

P21



Control System Integrators

Cable Schedule

Cable Tag	Cable Specs	Cond #	Description	Signal Wire #	From	TS #	To	TS #
PLC-Cable-04	12 Tw. Pair #22 AWG w/ Overall Shield Belden #1058A	1B	SOS + Limit Pilot Light	2:O:4/00	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		1W	SOS - Limit Pilot Light	2:O:4/01	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		2B	HMS - Limit Pilot Light	2:O:4/02	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		2W	HMS - Limit Pilot Light	2:O:4/03	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		3B	+24 VDC Power Group 0	+24 VDC	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		3W	System Reset Required Pilot Light	2:O:4/04	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		4B	Emergency Stop Not Active Pilot Light	2:O:4/05	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		4W	Forward Motion Pilot Light	2:O:4/06	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		5B	Reverse Motion Pilot Light	2:O:4/07	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		5W	DC Common Group 0	DC Com	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		6B	Keep Alive System Control Relay	2:O:4/08	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		6W	Separation Limit Pilot Light	2:O:4/09	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		7B	SOS LED Display Strobe Bit	2:O:4/10	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		7W	HMS LED Display Strobe Bit	2:O:4/11	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		8B	+24 VDC Power Group 1	+24 VDC	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		8W	LED Display 1's Digit	2:O:4/12	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		9B	LED Display 1000's Digit	2:O:4/13	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		9W	LED Display 10000's Digit	2:O:4/14	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		10B	LED Display 10000's Digit	2:O:4/15	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
PLC-Cable-05	12 Tw. Pair #22 AWG w/ Overall Shield Belden #1058A	10W	DC Common Group 1	DC Com	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		11B	N/A	N/A	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		11W	N/A	N/A	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		12B	N/A	N/A	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		12W	N/A	N/A	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-04
		1B	LED Display 1's Digit	2:O:5/00	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		2B	LED Display 1's Digit	2:O:5/01	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		2W	LED Display 1's Digit	2:O:5/02	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		3B	+24 VDC Power Group 0	+24 VDC	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		3W	LED Display 10's Digit	2:O:5/03	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		4B	LED Display 10's Digit	2:O:5/04	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		4W	LED Display 10's Digit	2:O:5/05	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		5B	LED Display 10's Digit	2:O:5/06	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		5W	DC Common Group 0	2:O:5/07	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		6B	LED Display 100's Digit	2:O:5/08	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		6W	LED Display 100's Digit	2:O:5/09	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		7B	LED Display 100's Digit	2:O:5/10	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		7W	LED Display 100's Digit	2:O:5/11	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		8B	+24 VDC Power Group 1	+24 VDC	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		8W	LED Display 1000's Digit	2:O:5/12	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		9B	LED Display 1000's Digit	2:O:5/13	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		9W	LED Display 1000's Digit	2:O:5/14	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		10B	LED Display 1000's Digit	2:O:5/15	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		10W	DC Common Group 1	DC Com	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		11B	N/A	N/A	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		11W	N/A	N/A	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		12B	N/A	N/A	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05
		12W	N/A	N/A	User PLC Crate	1756-OB16D	Carriage Local Control Panel	TS-PLC-05

Cable Schedule

Cable Tag	Cable Specs	Cond #	Description	Signal Wire #	From	TS-#	To	TS-#
PLC-Cable-06	8 Tw. Pair #22 AWG w/ Overall Shield Belden #1077A 8308	1B	SOS Drive 1 Analog Voltage Output	2:0:6/CH0+	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		1W	SOS Drive 1 Analog Voltage Output	2:0:6/CH0-	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		2B	HMS Drive 1 Analog Voltage Output	2:0:6/CH1+	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		2W	HMS Drive 1 Analog Voltage Output	2:0:6/CH1-	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		3B	SOS Drive 2 Analog Voltage Output	2:0:6/CH2+	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		3W	SOS Drive 2 Analog Voltage Output	2:0:6/CH2-	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		4B	HMS Drive 2 Analog Voltage Output	2:0:6/CH3+	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		4W	HMS Drive 2 Analog Voltage Output	2:0:6/CH3-	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		5B	Spare	2:0:6/CH4+	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		5W	Spare	2:0:6/CH4-	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		6B	Spare	2:0:6/CH5+	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		6W	Spare	2:0:6/CH5-	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		7B	N/A	N/A	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		7W	N/A	N/A	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		8B	N/A	N/A	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
		8W	N/A	N/A	User PLC Crate	1756-OF6V1	Carriage Local Control Panel	TS-PLC-06
PLC-Cable-07	12 Tw. Pair #22 AWG w/ Overall Shield Belden #1058A \$530	1B	HMS Encoder (Z1+)	2:1:7/Z1+	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		1W	HMS Encoder (Z1 rel)	2:1:7/Z1-	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		2B	HMS Encoder (B1+)	2:1:7/B1+	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		2W	HMS Encoder (B1 rel)	2:1:7/B1-	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		3B	HMS Encoder (A1+)	2:1:7/A1+	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		3W	HMS Encoder (A1 rel)	2:1:7/A1-	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		4B	SOS Encoder (Z0+)	2:1:7/Z0+	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		4W	SOS Encoder (Z0 rel)	2:1:7/Z0-	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		5B	SOS Encoder (B0+)	2:1:7/B0+	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		5W	SOS Encoder (B0 rel)	2:1:7/B0-	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		6B	SOS Encoder (A0+)	2:1:7/A0+	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		6W	SOS Encoder (A0 rel)	2:1:7/A0-	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		7B	Spare	2:0:7/I00	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		7W	DC Common for Group 0 Outputs	DC Com	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		8B	Spare	2:0:7/I01	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		8W	Spare	2:0:7/I02	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		9B	DC Common for Group 1 Outputs	DC Com	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		9W	Spare	2:0:7/O3	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		10B	+24 VDC Power for Group 0 Outputs	+24 VDC	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		10W	+24 VDC Power for Group 1 Outputs	+24 VDC	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		11B	N/A	N/A	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		11W	N/A	N/A	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		12B	N/A	N/A	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07
		12W	N/A	N/A	User PLC Crate	1756-HSC	Carriage Local Control Panel	TS-PLC-07

Slot 9 is
Ethernet
now

Cable Schedule

Cable Tag	Cable Specs	Cond #	Description	Signal/Write #	From	TS #	To	TS #
PLC-Cable-10	12 Tw. Pair #18 AWG w/ Overall Shield Weidman #23524 or Belden #22636 4/1000	1B	+24 Vdc for Slot 1 I/O	21130	User PLC Power Supply Panel	CB-9	Carriage Local Control Panel	TS-16
		1W	DC Common for Slot 1 I/O	21072	User PLC Power Supply Panel	COM-1	Carriage Local Control Panel	TS-16
		2B	+24 Vdc for Slot 2 I/O	21150	User PLC Power Supply Panel	CB-10	Carriage Local Control Panel	TS-16
		2W	DC Common for Slot 2 I/O	21072	User PLC Power Supply Panel	COM-2	Carriage Local Control Panel	TS-16
		3B	+24 Vdc for Slot 3 I/O	21170	User PLC Power Supply Panel	CB-11	Carriage Local Control Panel	TS-16
		3W	DC Common for Slot 3 I/O	21072	User PLC Power Supply Panel	COM-3	Carriage Local Control Panel	TS-16
		4B	+24 Vdc for Slot 4 I/O	21190	User PLC Power Supply Panel	CB-12	Carriage Local Control Panel	TS-16
		4W	DC Common for Slot 4 I/O	21072	User PLC Power Supply Panel	COM-4	Carriage Local Control Panel	TS-16
		5B	+24 Vdc for Slot 5 I/O	21210	User PLC Power Supply Panel	CB-13	Carriage Local Control Panel	TS-16
		5W	DC Common for Slot 5 I/O	21072	User PLC Power Supply Panel	COM-5	Carriage Local Control Panel	TS-16
		6B	+24 Vdc for Slot 6 I/O	21230	User PLC Power Supply Panel	CB-14	Carriage Local Control Panel	TS-16
		6W	DC Common for Slot 6 I/O	21072	User PLC Power Supply Panel	COM-6	Carriage Local Control Panel	TS-16
		7B	+24 Vdc for Slot 7 I/O	21250	User PLC Power Supply Panel	CB-15	Carriage Local Control Panel	TS-16
		7W	DC Common for Slot 7 I/O	21072	User PLC Power Supply Panel	COM-7	Carriage Local Control Panel	TS-16
		8B	+24 Vdc for Slot 8 I/O	21270	User PLC Power Supply Panel	CB-16	Carriage Local Control Panel	TS-16
		8W	DC Common for Slot 8 I/O	21072	User PLC Power Supply Panel	COM-8	Carriage Local Control Panel	TS-16
		9B	+24 Vdc for Slot 9 I/O	21290	User PLC Power Supply Panel	CB-17	Carriage Local Control Panel	TS-16
CLCP-Cable-01		9W	DC Common for Slot 9 I/O	21072	User PLC Power Supply Panel	COM-9	Carriage Local Control Panel	TS-16
		10B	Spare	Spare	User PLC Power Supply Panel		Carriage Local Control Panel	
		10W	Spare	Spare	User PLC Power Supply Panel		Carriage Local Control Panel	
		11B	Spare	Spare	User PLC Power Supply Panel		Carriage Local Control Panel	
		11W	Spare	Spare	User PLC Power Supply Panel		Carriage Local Control Panel	
		12B	Spare	Spare	User PLC Power Supply Panel		Carriage Local Control Panel	
		12W	Spare	Spare	User PLC Power Supply Panel		Carriage Local Control Panel	
		1	NO 1	21:2/01	Carriage Local Control Panel	TS-1	Counting House E-Stop PB	
		2	NC 1	23082	Carriage Local Control Panel	TS-1	Counting House E-Stop PB	
		3	Com 1	23081	Carriage Local Control Panel	TS-1	Counting House E-Stop PB	
CLCP-Cable-02		4	NO 2	21:2/02	Carriage Local Control Panel	TS-1	Counting House E-Stop PB	
		5	NC 2	23122	Carriage Local Control Panel	TS-1	Counting House E-Stop PB	
		6	COM 2	23081	Carriage Local Control Panel	TS-1	Counting House E-Stop PB	
		7	Earth GND	GND	Carriage Local Control Panel	TS-1	Counting House E-Stop PB	
		1	110 Vac Power	11071	Carriage Local Control Panel	TS-2	AC Input Source	
		2	Neutral	11072	Carriage Local Control Panel	TS-2	AC Input Source	
		3	Earth GND	GND	Carriage Local Control Panel	TS-2	AC Input Source	

Cable Schedule

Cable Tag	Cable Specs	Cond #	Description	Signal Wire #	From	TS-#	To	TS-#
CLCP-Cable-03		1	N.O. Contact 110 Vac Power KS	11090	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		2	N.C. Contact 110 Vac Power KS	11091	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		3	110 Vac Power KS	11073	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		4	N.O. Contact Local / Remote SS	2:1:2/12	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		5	N.C. Contact Local / Remote SS	2:1:2/13	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		6	Common Local / Remote SS	21150	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		7	N.O. Contact Manual / Auto SS	2:1:2/10	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		8	N.C. Contact Manual / Auto SS	2:1:2/11	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		9	Common Manual / Auto SS	21150	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		10	Forward PB	2:1:3/00	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		11	Forward PB	21170	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		12	Reverse PB	2:1:3/01	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		13	Reverse PB	21170	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		14	Reset PB	2:1:3/02	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		15	Reset PB	21170	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		16	Emergency Stop PB		Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		17	Emergency Stop PB		Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		18	SOS / HMS SS	2:1:2/15	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		19	SOS / HMS SS	2:1:2/14	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		20	SOS / HMS Common	21150	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
CLCP-Cable-04		21	Start PB	2:1:3/04	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		22	Start PB	21170	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		23	Stop PB	2:1:3/05	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		24	Stop PB	21170	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		25	SOS Range SS	2:1:3/12	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		26	SOS Range SS	2:1:3/11	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		27	SOS Range Common	21170	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		28	Hom PB	2:1:3/10	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		29	Hom PB	21170	Carriage Local Control Panel	TS-3	CLCP Switches & Buttons	TS-3
		1	N.O. Contact Forward Limit Switch	2:1:2/03	Carriage Local Control Panel	TS-4	SOS Limit Switches	TS-4
CLCP-Cable-05		2	N.C. Contact Forward Limit Switch	23083	Carriage Local Control Panel	TS-4	SOS Limit Switches	TS-4
		3	Common Forward Limit Switch	23082	Carriage Local Control Panel	TS-4	SOS Limit Switches	TS-4
		4	N.O. Contact Reverse Limit Switch	2:1:2/05	Carriage Local Control Panel	TS-4	SOS Limit Switches	TS-4
		5	N.C. Contact Reverse Limit Switch	23084	Carriage Local Control Panel	TS-4	SOS Limit Switches	TS-4
		6	Common Reverse Limit Switch	23083	Carriage Local Control Panel	TS-4	SOS Limit Switches	TS-4
		7	Forward Proximity Switch	2:1:3/04	Carriage Local Control Panel	TS-4	SOS Limit Switches	TS-4
		8	Forward Proximity Switch	21170	Carriage Local Control Panel	TS-4	SOS Limit Switches	TS-4
		9	Reverse Proximity Switch	2:1:3/06	Carriage Local Control Panel	TS-4	SOS Limit Switches	TS-4
		10	Reverse Proximity Switch	21170	Carriage Local Control Panel	TS-4	SOS Limit Switches	TS-4
		11	Emergency Stop	2:1:2/01	Carriage Local Control Panel	TS-4	SOS Limit Switches	TS-4
		12	Emergency Stop	21170	Carriage Local Control Panel	TS-4	SOS Limit Switches	TS-4

Cable Schedule

Cable Tag	Cable Specs	Cond #	Description	Signal/ Wye #	From	TS-#	To	TS-#
CLCP-Cable-05		1	N.O. Contact Forward Limit Switch	2:1:2/04	Carriage Local Control Panel	TS-5	HMS Limit Switches	
		2	N.C. Contact Forward Limit Switch	23123	Carriage Local Control Panel	TS-5	HMS Limit Switches	
		3	Common Forward Limit Switch	23122	Carriage Local Control Panel	TS-5	HMS Limit Switches	
		4	N.O. Contact Reverse Limit Switch	2:1:2/06	Carriage Local Control Panel	TS-5	HMS Limit Switches	
		5	N.C. Contact Reverse Limit Switch	23124	Carriage Local Control Panel	TS-5	HMS Limit Switches	
		6	Common Reverse Limit Switch	23123	Carriage Local Control Panel	TS-5	HMS Limit Switches	
		7	Forward Proximity Switch	2:1:3/05	Carriage Local Control Panel	TS-5	HMS Limit Switches	
		8	Reverse Proximity Switch	2:1:1/70	Carriage Local Control Panel	TS-5	HMS Limit Switches	
		9	Reverse Proximity Switch	2:1:3/07	Carriage Local Control Panel	TS-5	HMS Limit Switches	
		10	Reverse Proximity Switch	2:1:1/70	Carriage Local Control Panel	TS-5	HMS Limit Switches	
		11	Emergency Stop	2:1:2/02	Carriage Local Control Panel	TS-5	HMS Limit Switches	
		12	Emergency Stop	2:1:1/70	Carriage Local Control Panel	TS-5	HMS Limit Switches	
CLCP-Cable-06	SOS	1	Shield		Carriage Local Control Panel	TS-6	SOS Optical Encoder	
		2	24 Vdc		Carriage Local Control Panel	TS-6	SOS Optical Encoder	
		3	Gnd		Carriage Local Control Panel	TS-6	SOS Optical Encoder	
		4	A Signal~		Carriage Local Control Panel	TS-6	SOS Optical Encoder	
		5	A Return~		Carriage Local Control Panel	TS-6	SOS Optical Encoder	
		6	B Signal~		Carriage Local Control Panel	TS-6	SOS Optical Encoder	
		7	B Return~		Carriage Local Control Panel	TS-6	SOS Optical Encoder	
		8	Z Signal		Carriage Local Control Panel	TS-6	SOS Optical Encoder	
		9	Z Return		Carriage Local Control Panel	TS-6	SOS Optical Encoder	
CLCP-Cable-07		1	Shield		Carriage Local Control Panel	TS-7	HMS Optical Encoder	
		2	24 Vdc		Carriage Local Control Panel	TS-7	HMS Optical Encoder	
		3	Gnd		Carriage Local Control Panel	TS-7	HMS Optical Encoder	
		4	A Signal~		Carriage Local Control Panel	TS-7	HMS Optical Encoder	
		5	A Return~		Carriage Local Control Panel	TS-7	HMS Optical Encoder	
		6	B Signal~		Carriage Local Control Panel	TS-7	HMS Optical Encoder	
		7	B Return~		Carriage Local Control Panel	TS-7	HMS Optical Encoder	
		8	Z Signal		Carriage Local Control Panel	TS-7	HMS Optical Encoder	
		9	Z Return		Carriage Local Control Panel	TS-7	HMS Optical Encoder	
CLCP-Cable-08		1	SOS 110 Vac		Carriage Local Control Panel	TS-8	Shunt Trip Breaker	
		2	SOS Neutral		Carriage Local Control Panel	TS-8	Shunt Trip Breaker	
		3	HMS 110 Vac		Carriage Local Control Panel	TS-8	Shunt Trip Breaker	
		4	HMS Neutral		Carriage Local Control Panel	TS-8	Shunt Trip Breaker	
		5	Earth GND		Carriage Local Control Panel	TS-8	Shunt Trip Breaker	
CLCP-Cable-09	HMS	1	N.O. Contact	2:1:2/00	Carriage Local Control Panel	TS-9	Separation Limit Switch	
		2	N.C. Contact	23081	Carriage Local Control Panel	TS-9	Separation Limit Switch	
		3	Common	2:1:1/10	Carriage Local Control Panel	TS-9	Separation Limit Switch	

Cable Schedule

Cable Tag	Cable Specs	Cond #	Pair #	Description	Signal Wire #	From	TS-#	To	TS-#
CLCP-Cable-10									
		1	110	Vac Power On Pilot Light	11090	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		2	110	Vac Power On Pilot Light	11072	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		3	DC	Power Supply On Pilot Light	2:0:4/09	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		4	DC	Power Supply On Pilot Light	21072	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		5	SOS	+ Limit Pilot Light	2:0:4/00	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		6	SOS	+ Limit Pilot Light	21072	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		7	SOS	- Limit Pilot Light	2:0:4/02	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		8	SOS	- Limit Pilot Light	21072	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		9	HMS	+ Limit Pilot Light	2:0:4/01	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		10	HMS	+ Limit Pilot Light	21072	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		11	HMS	- Limit Pilot Light	2:0:4/03	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		12	HMS	- Limit Pilot Light	21072	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		13	Seperation	Limit Pilot Light	2:0:4/09	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		14	Seperation	Limit Pilot Light	21072	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		15	Forward	Move Pilot Light	2:0:4/06	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		16	Forward	Move Pilot Light	21072	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		17	Reverse	Move Pilot Light	2:0:4/07	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		18	Reverse	Move Pilot Light	21072	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		19	PLC	Fault Pilot Light	2:0:1/15	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		20	PLC	Fault Pilot Light	21072	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		21	System	Reset Required Pilot Light	2:0:4/04	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		22	System	Reset Required Pilot Light	21072	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		23	Emergency	Stop Pilot light	2:0:4/05	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		24	Emergency	Stop Pilot light	21072	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		25	SOS	OK Pilot Light	23084	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		26	SOS	OK Pilot Light	21492	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		27	HMS	OK Pilot Light	23164	Carriage Local Control Panel	TS-10	CLCP Panel Lights	
		28	HMS	OK Pilot Light	21492	Carriage Local Control Panel	TS-10	CLCP Panel Lights	

Cable Schedule

Cable Tag	Cable Specs	Cond #	Signal	From	TS-#	To	TS-#
CLCP-Cable-11		1	BCD 1-1	2:1:8/00	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		2	BCD 1-2	2:1:8/01	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		3	BCD 1-3	2:1:8/02	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		4	BCD 1-4	2:1:8/03	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		5	BCD 2-1	2:1:8/04	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		6	BCD 2-2	2:1:8/05	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		7	BCD 2-3	2:1:8/06	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		8	BCD 2-4	2:1:8/07	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		9	BCD 3-1	2:1:8/08	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		10	BCD 3-2	2:1:8/09	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		11	BCD 3-3	2:1:8/10	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		12	BCD 3-4	2:1:8/11	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		13	BCD 4-1	2:1:8/12	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		14	BCD 4-2	2:1:8/13	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		15	BCD 4-3	2:1:8/14	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		16	BCD 4-4	2:1:8/15	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		21	24VDC	21270	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
		22	GND	21072	Carriage Local Control Panel	TS-11	BCD 4-Digit Thumbwheel
CLCP-Cable-12		1	BCD 1-1	2:0:4/12	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		2	BCD 1-2	2:0:4/13	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		3	BCD 1-3	2:0:4/14	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		4	BCD 1-4	2:0:4/15	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		5	BCD 2-1	2:0:5/00	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		6	BCD 2-2	2:0:5/01	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		7	BCD 2-3	2:0:5/02	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		8	BCD 2-4	2:0:5/03	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		9	BCD 3-1	2:0:5/04	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		10	BCD 3-2	2:0:5/05	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		11	BCD 3-3	2:0:5/06	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		12	BCD 3-4	2:0:5/07	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		13	BCD 4-1	2:0:5/08	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		14	BCD 4-2	2:0:5/09	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		15	BCD 4-3	2:0:5/10	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		16	BCD 4-4	2:0:5/11	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		17	BCD 5-1	2:0:5/12	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		18	BCD 5-2	2:0:5/13	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		19	BCD 5-3	2:0:5/14	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		20	BCD 5-4	2:0:5/15	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		21	24VDC	21210	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		22	GND	21072	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		23	Load	2:0:4/10	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter
		24	Strobe	2:0:4/10	Carriage Local Control Panel	TS-12	SOS BCD 5-Digit Meter

Cable Schedule

Cable Tag	Cable Specs	Cond #	Description	Signal/ Pair #	From	TS #	To	TS #
CLCP-Cable-13		1	BCD 1-1	2:O:4/12	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		2	BCD 1-2	2:O:4/13	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		3	BCD 1-3	2:O:4/14	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		4	BCD 1-4	2:O:4/15	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		5	BCD 2-1	2:O:5/00	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		6	BCD 2-2	2:O:5/01	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		7	BCD 2-3	2:O:5/02	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		8	BCD 2-4	2:O:5/03	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		9	BCD 3-1	2:O:5/04	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		10	BCD 3-2	2:O:5/05	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		11	BCD 3-3	2:O:5/06	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		12	BCD 3-4	2:O:5/07	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		13	BCD 4-1	2:O:5/08	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		14	BCD 4-2	2:O:5/09	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		15	BCD 4-3	2:O:5/10	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		16	BCD 4-4	2:O:5/11	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		17	BCD 5-1	2:O:5/12	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		18	BCD 5-2	2:O:5/13	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		19	BCD 5-3	2:O:5/14	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		20	BCD 5-4	2:O:5/15	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		21	24VDC	21210	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		22	GND	21072	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		23	Load		Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	
		24	Stroke	2:O:4/11	Carriage Local Control Panel	TS-13	HMS BCD 5-Digit Meter	

Cable Schedule

Cable Tag	Cable Specs	Cond #	Description	Signal/ Wire #	From	TS-#	To	TS-#
CLCP-Cable-14		1	SHIELD		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		2	BC		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		3	FR		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		4	RR		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		5	DPL		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		6	DFM		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		7	AD2		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		8	MBS		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		9	JOG		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		10	ES		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		11	RST		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		12	FC		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		13	FB		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		14	FA		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		15	X1		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		16	X2		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		17	X3		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		18	DRV		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		19	UPF		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		20	OM		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		21	SHIELD		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		22	SP		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		23	SN		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		24	RP		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		25	SN		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		26	SHIELD		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		27	VFR2 - Drive 1		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		28	COM - Drive 1		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		29	IRF		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		30	VRF2 - Drive 2		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		31	COM - Drive 2		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		32	AMV		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		33	COM		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	
		34	AMI		Carriage Local Control Panel	TS-14	SOS Motor Control Panel	

Cable Schedule

Cable Tag	Cable Specs	Cond #	Description	Signal/ Wdg #	From	TS-#	To	TS-#
CLCP-Cable-15		1	Shield					
		2	BC		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		3	FR		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		4	RR		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		5	DFL		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		6	DFM		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		7	AD2		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		8	MBS		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		9	JOG		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		10	ES		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		11	RST		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		12	FC		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		13	FB		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		14	FA		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		15	X1		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		16	X2		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		17	X3		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		18	DRV		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		19	UPF		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		20	OM		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		21	SHIELD		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		22	SP		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		23	SN		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		24	RP		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		25	SN		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		26	SHIELD		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		27	VRF2 - Drive 1		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		28	COM - Drive 1		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		29	IRF		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		30	VRF2 - Drive 2		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		31	COM - Drive 2		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		32	AMV		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		33	COM		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	
		34	AMI		Carriage Local Control Panel	TS-15	HMS Motor Control Panel	