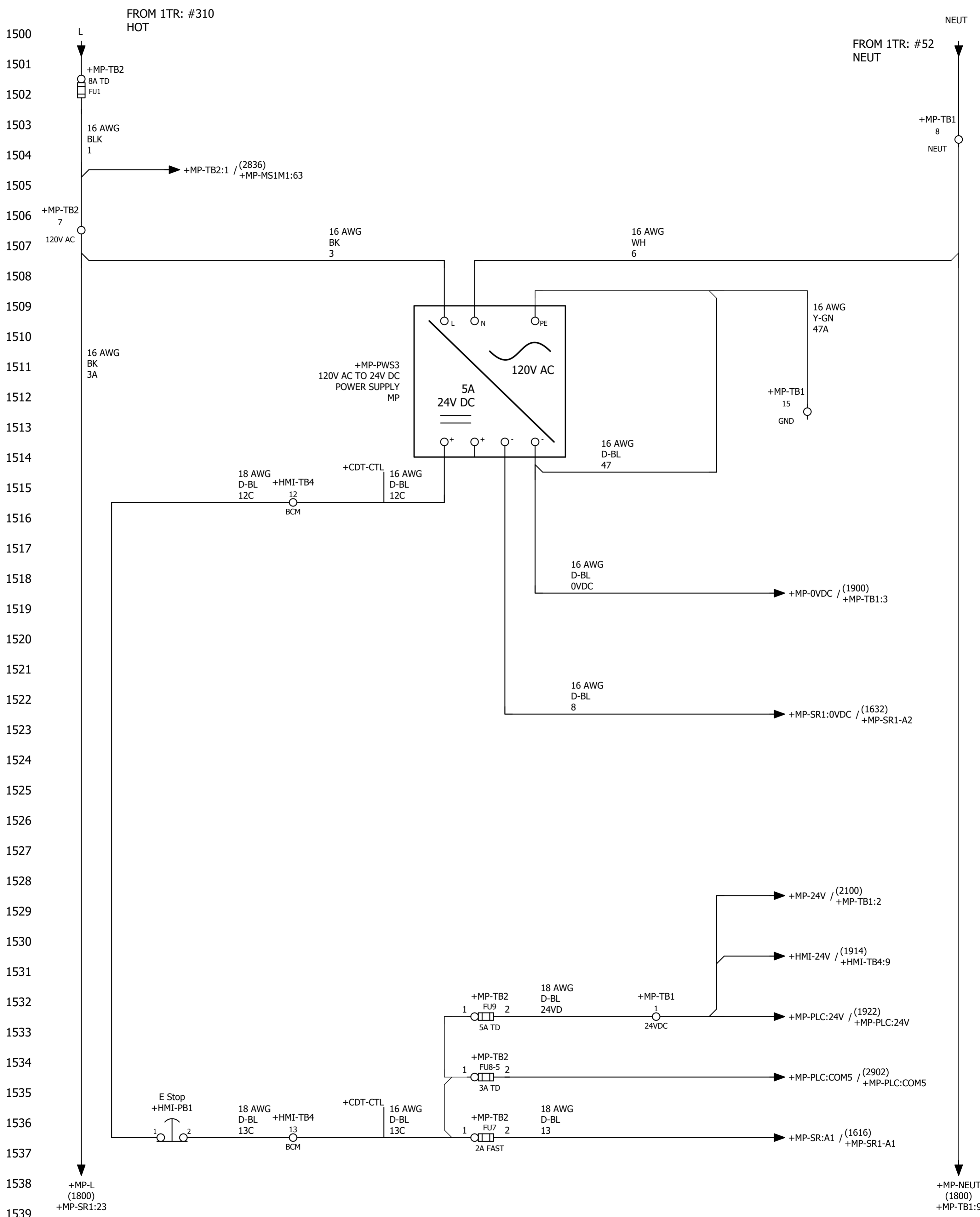




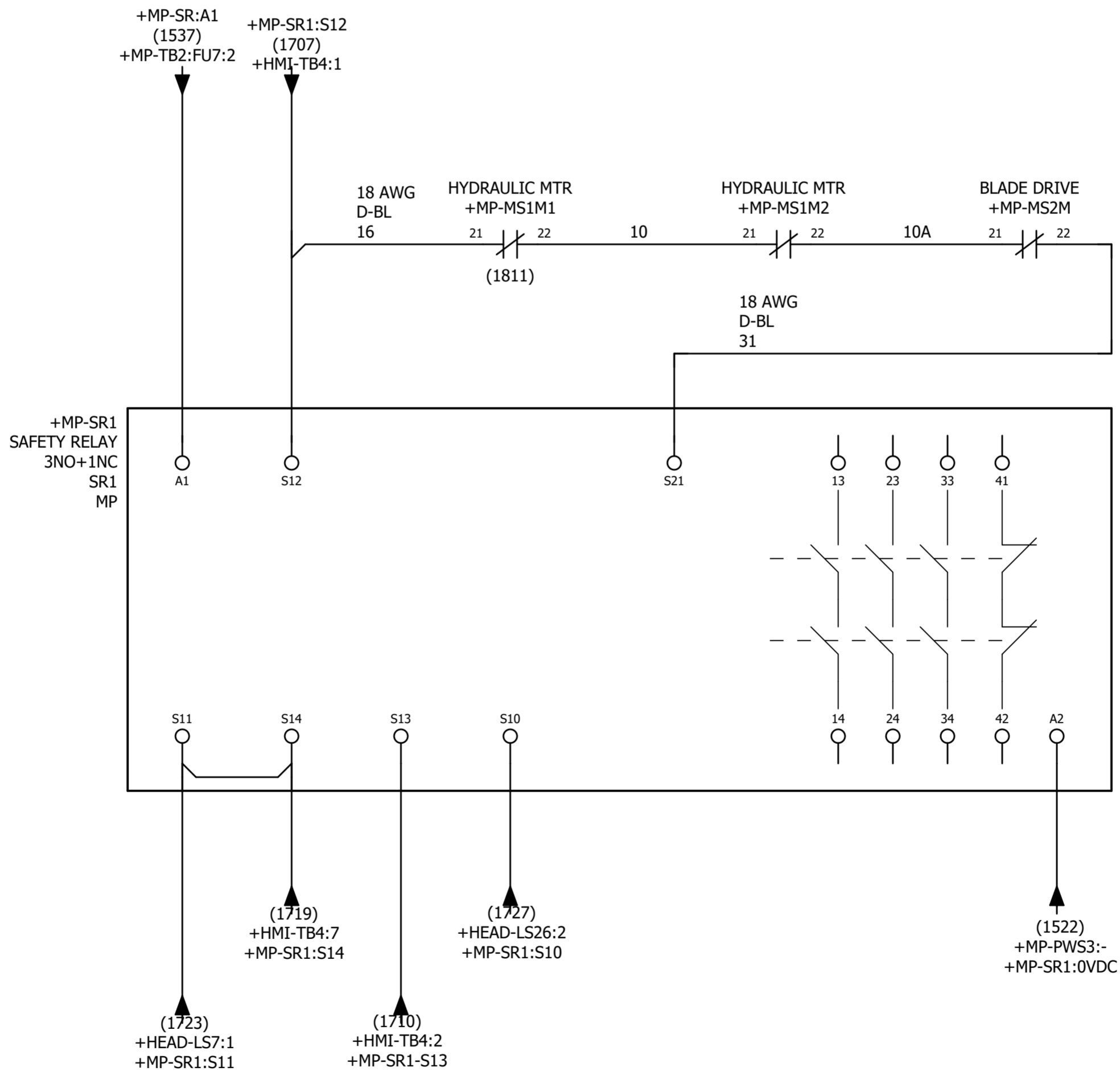
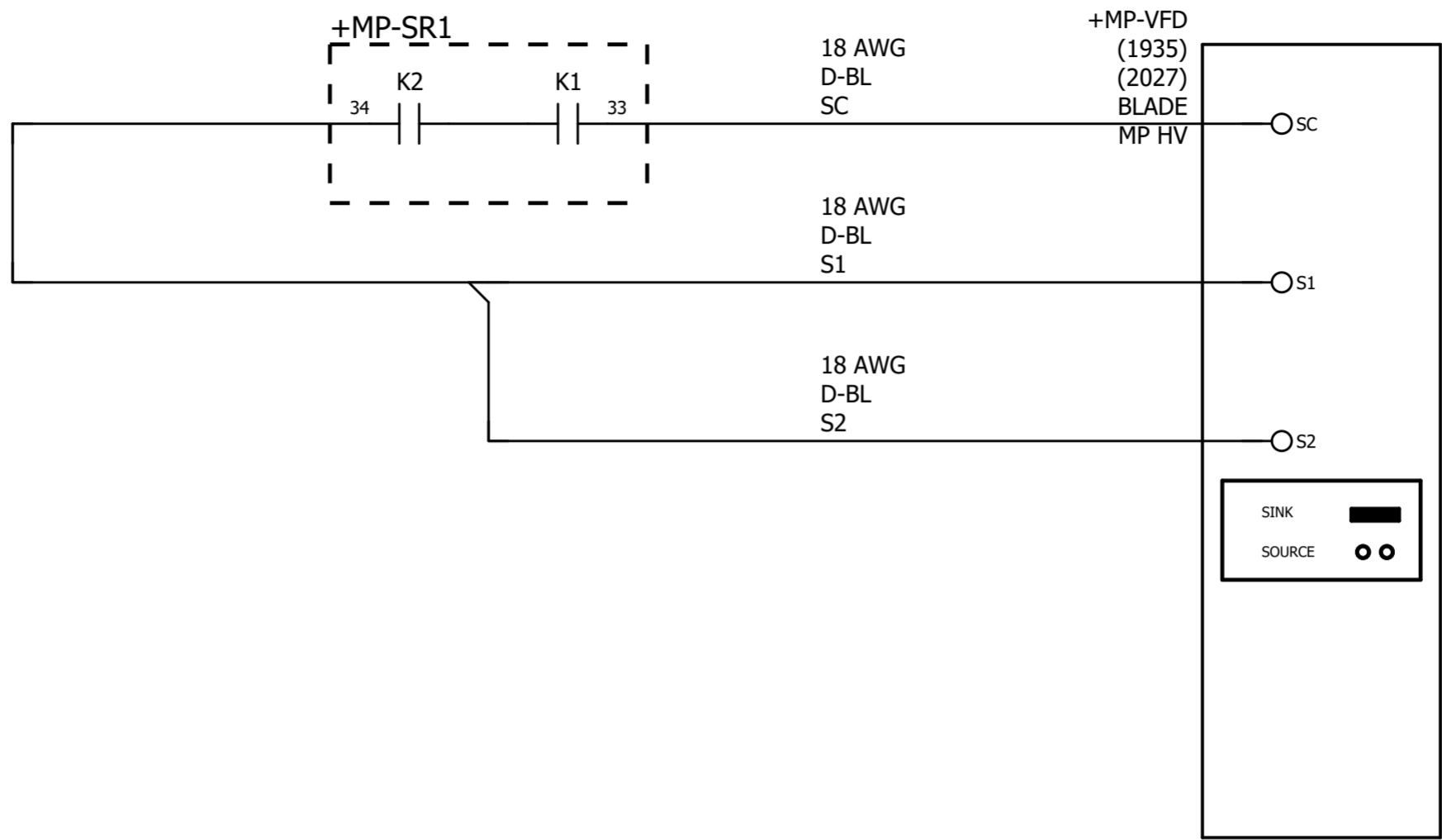
**HYD-MECH CANADA**  
 1079 PARKINSON ROAD  
 P.O. BOX 1659  
 WOODSTOCK, ON  
 N4S 0A9  
 CANADA  
 Phone. 1-877-237-0914



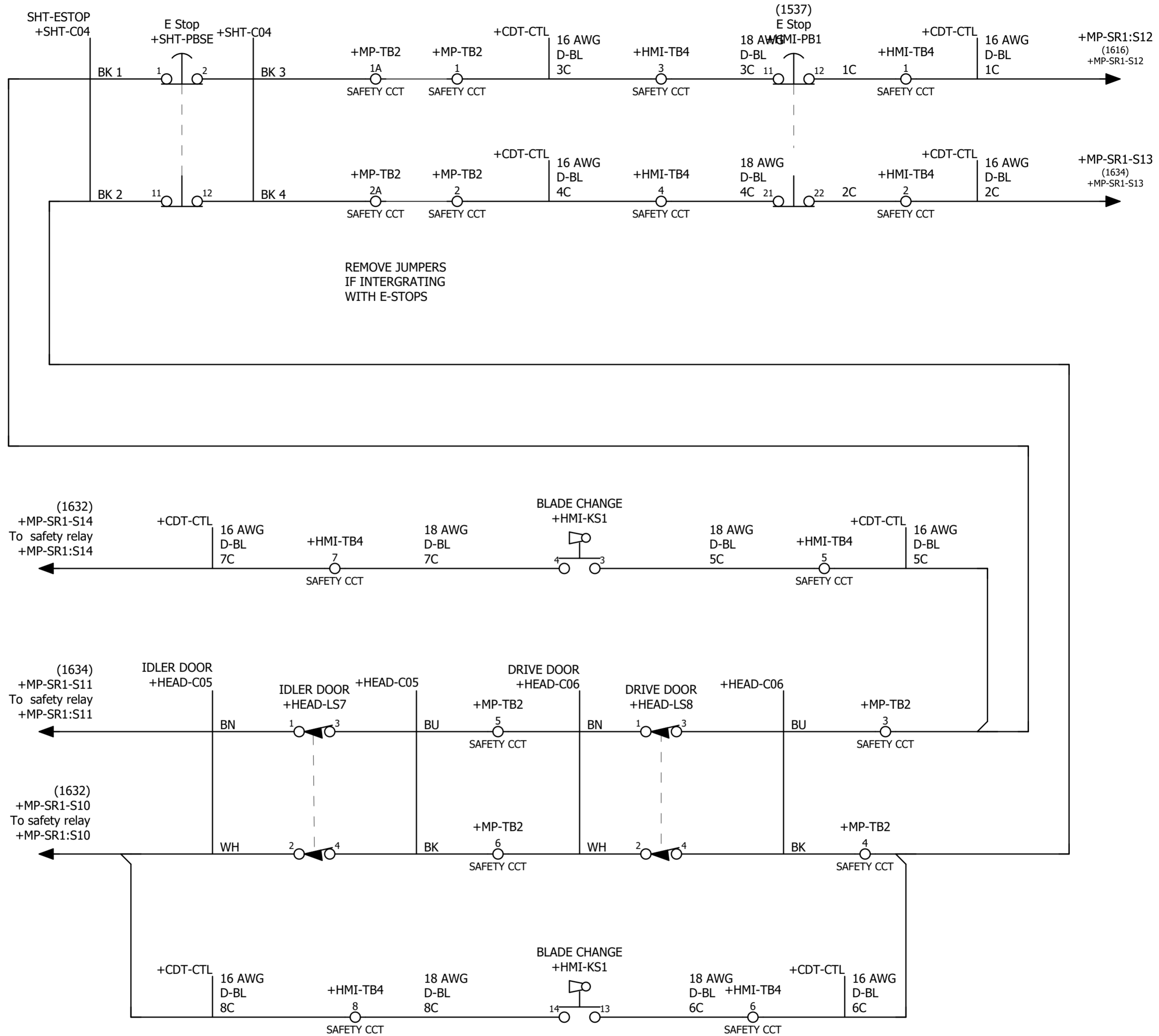
ECN Number:	01779		
Project description	H18A & H22A NA GENERIC		
Schematic #	H18ASV-NA-7-00-1F		
Manufacturer (company)	HYD-MECH CANADA		
Path			
Project name	H18ASV-NA-7-00-1F		
Make	H18A & H22A SAWS		
Type			
Place of installation			
Responsible for project	WA		
Part feature			
Created on	02/24/20		
Edit date	02/24/20	by (short name) wabdou	Number of pages 102

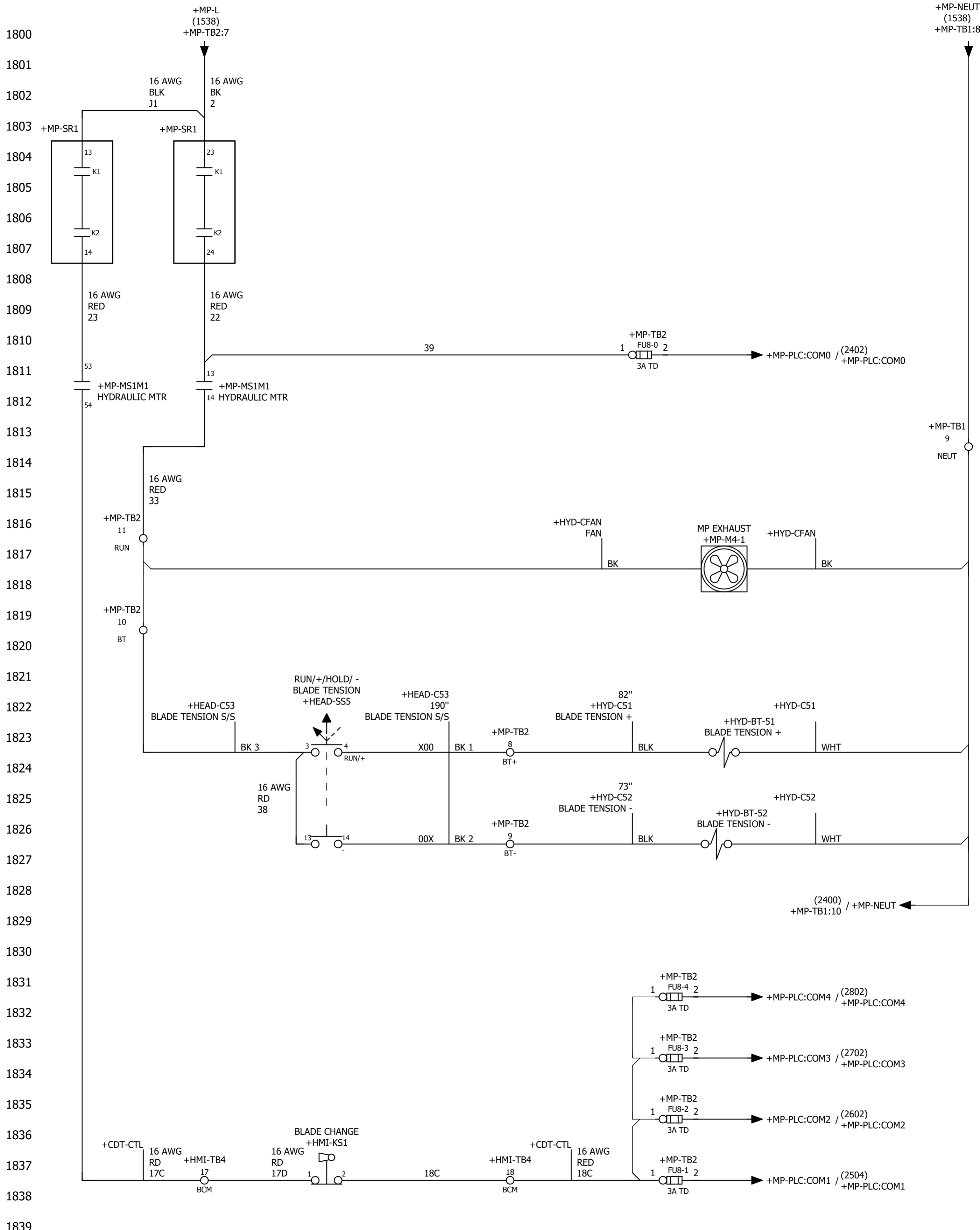


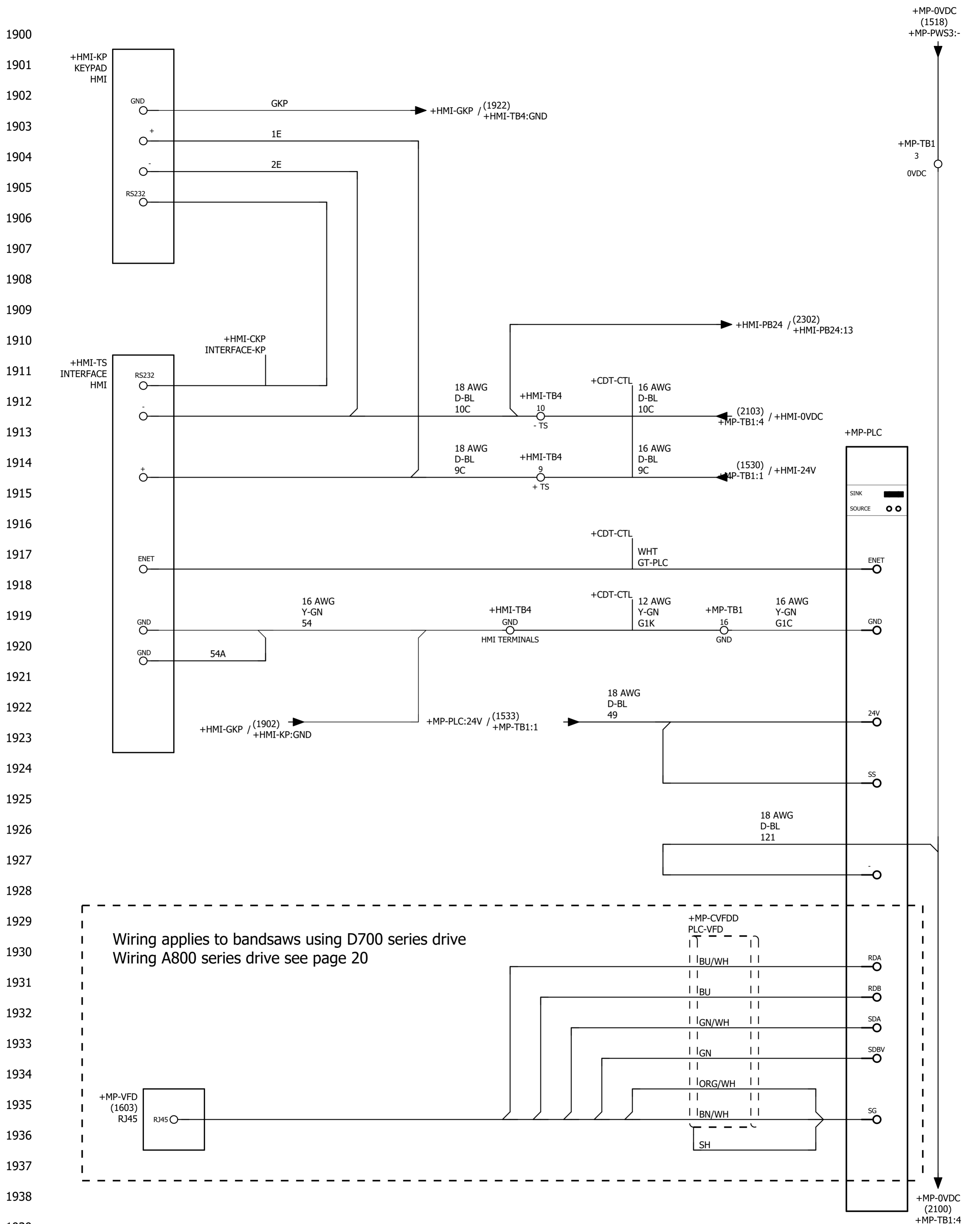
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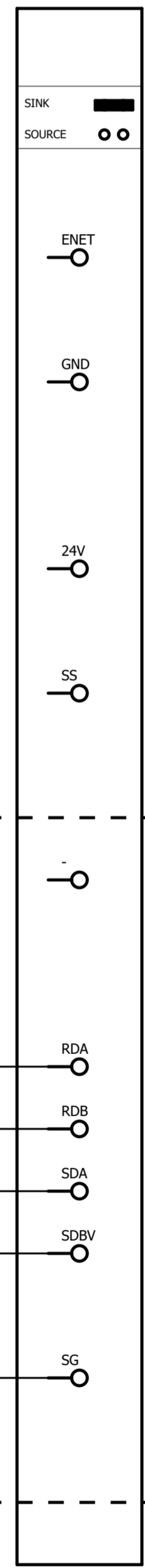




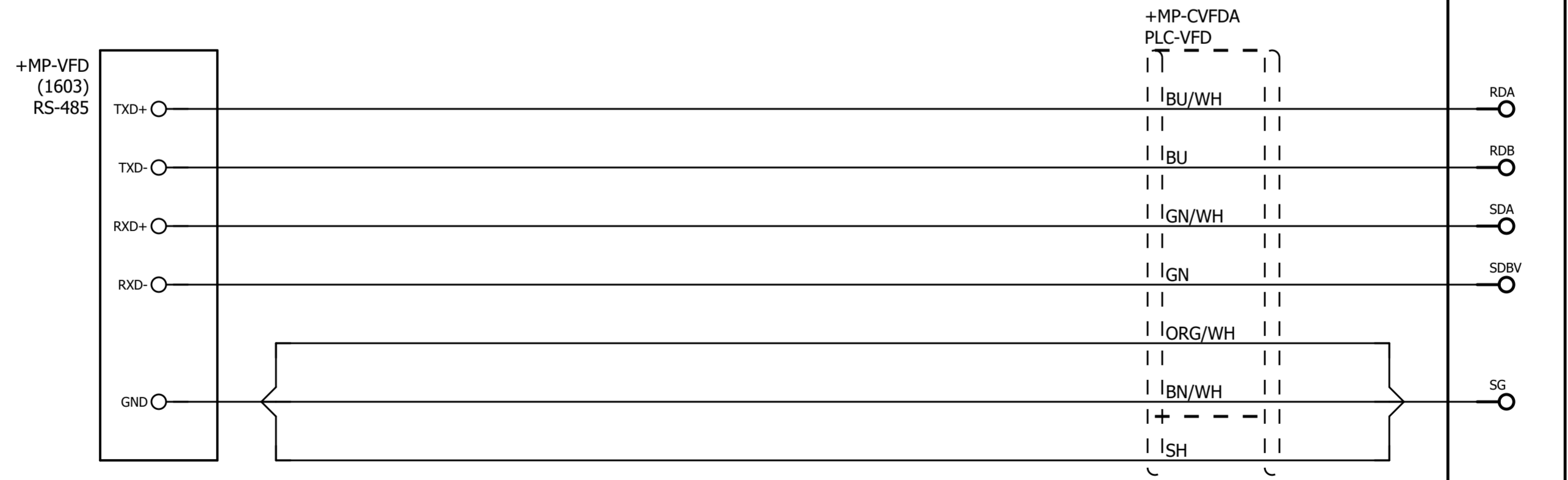


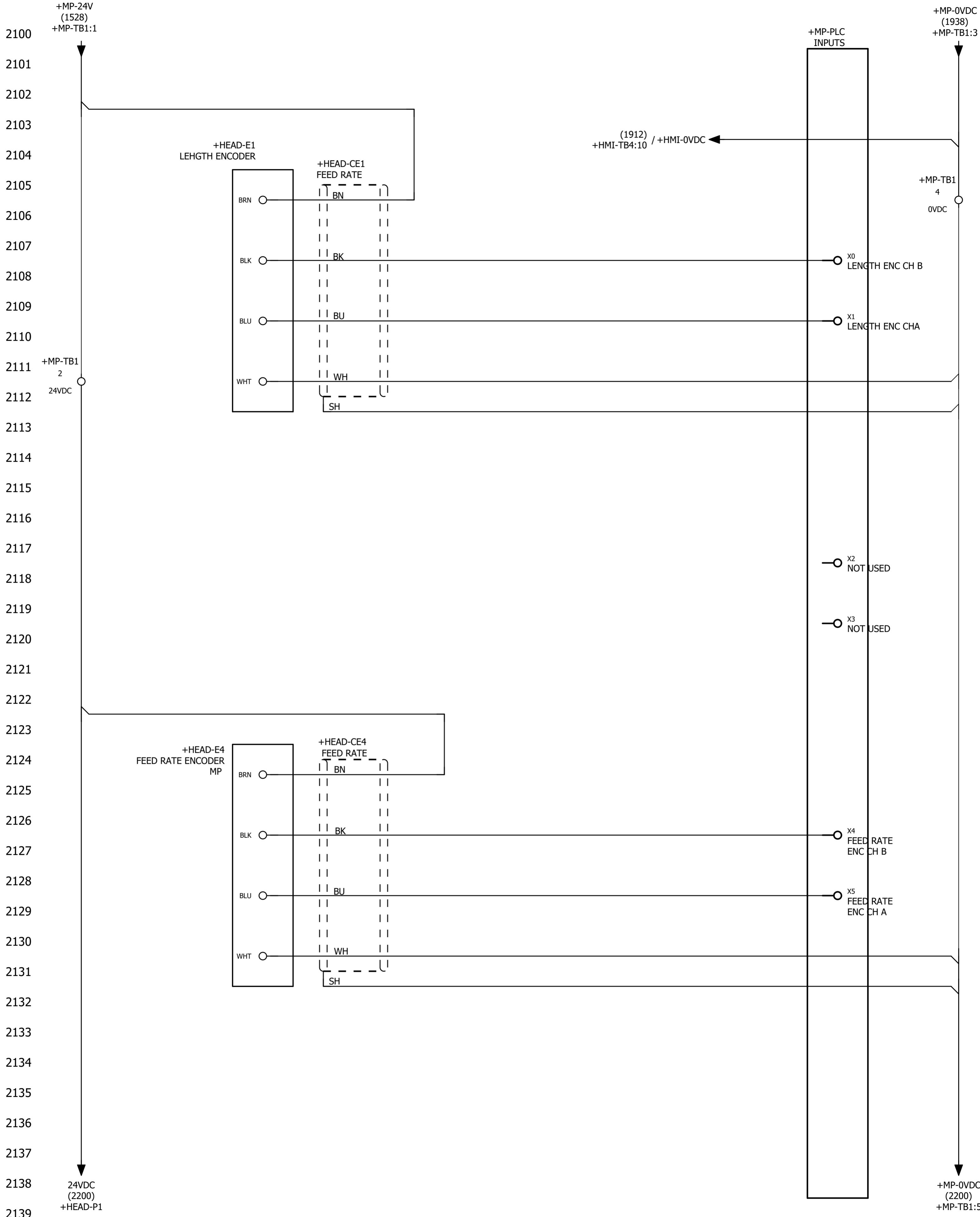
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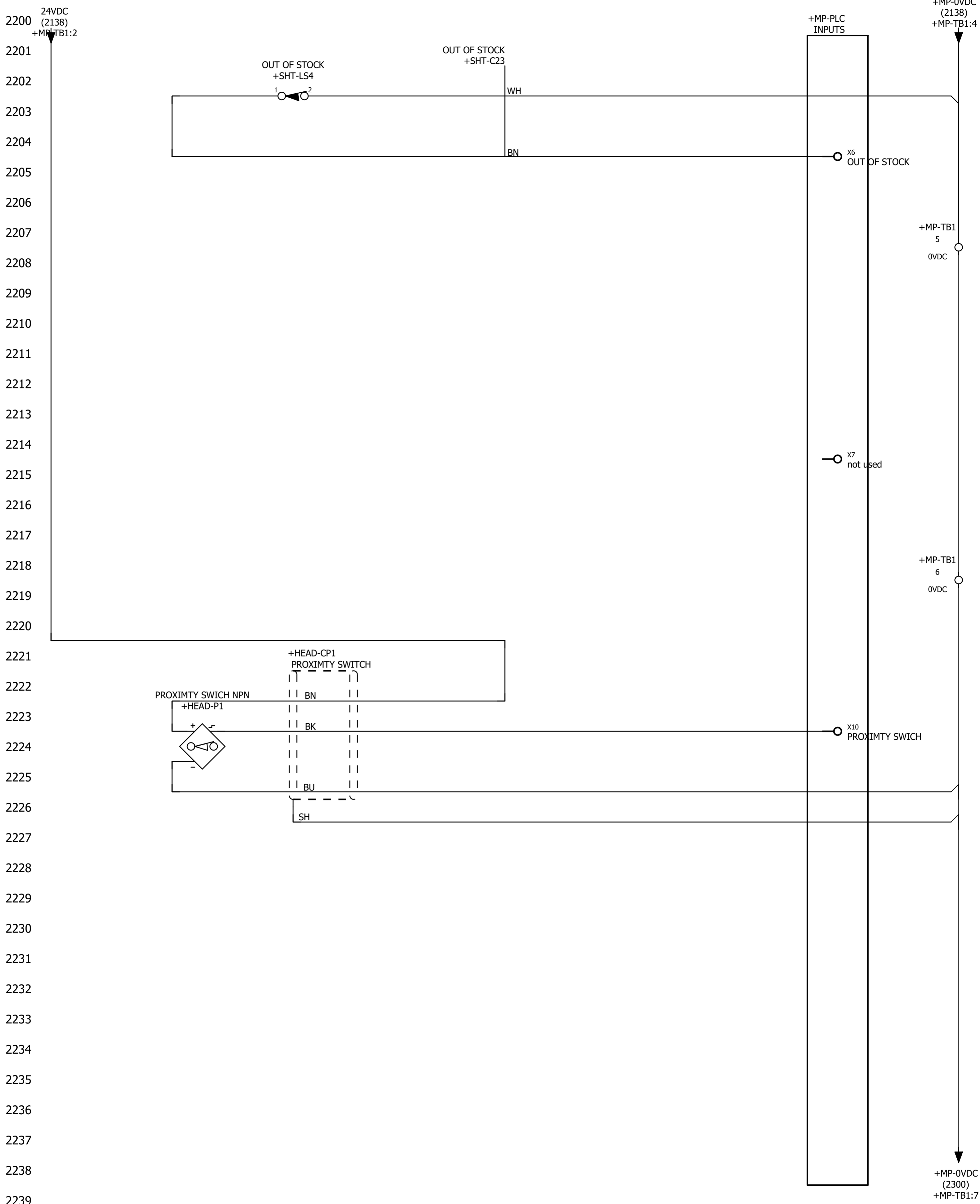


Wiring applies to bandsaws using A800 series drive  
Wiring D700 series drive see page 19

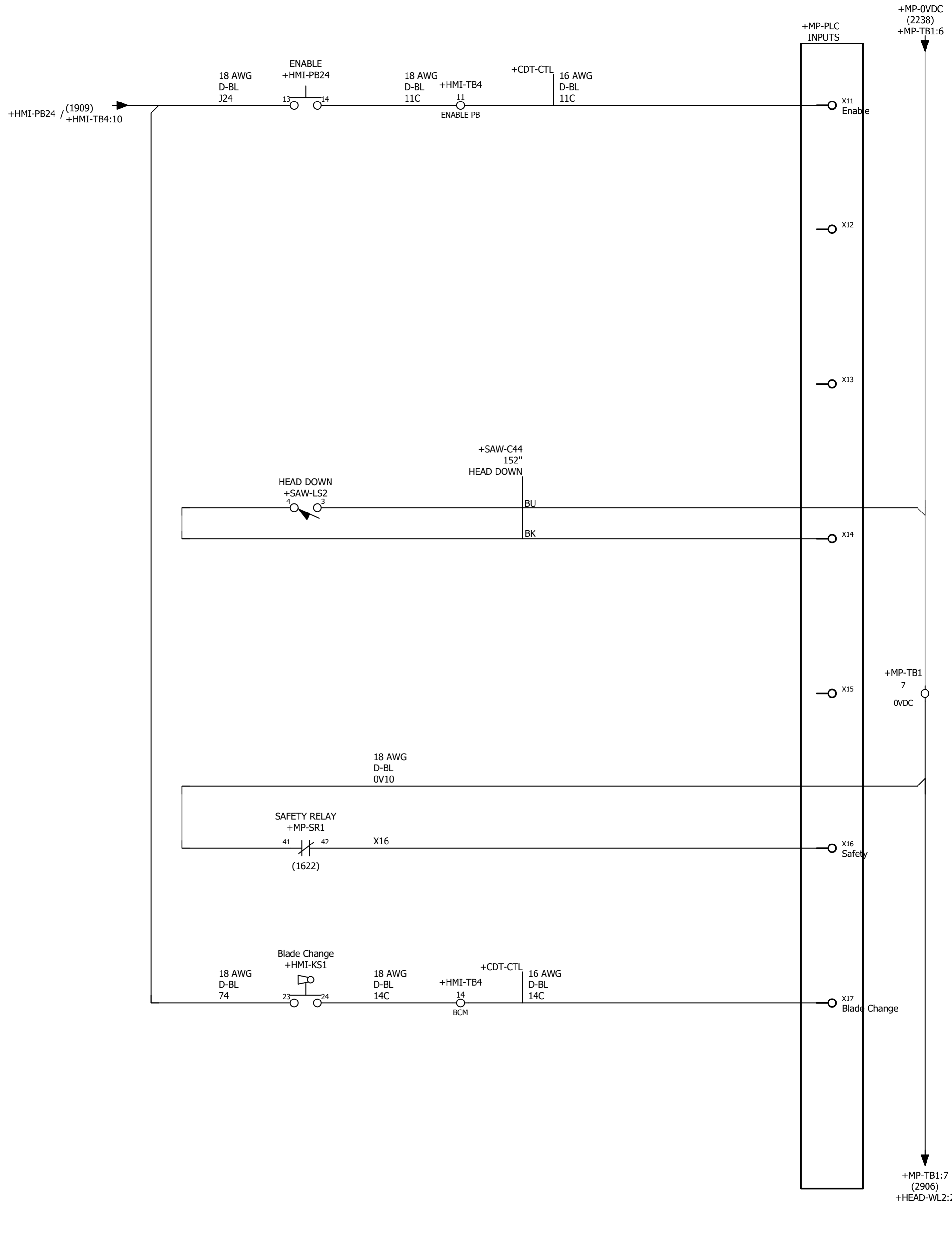


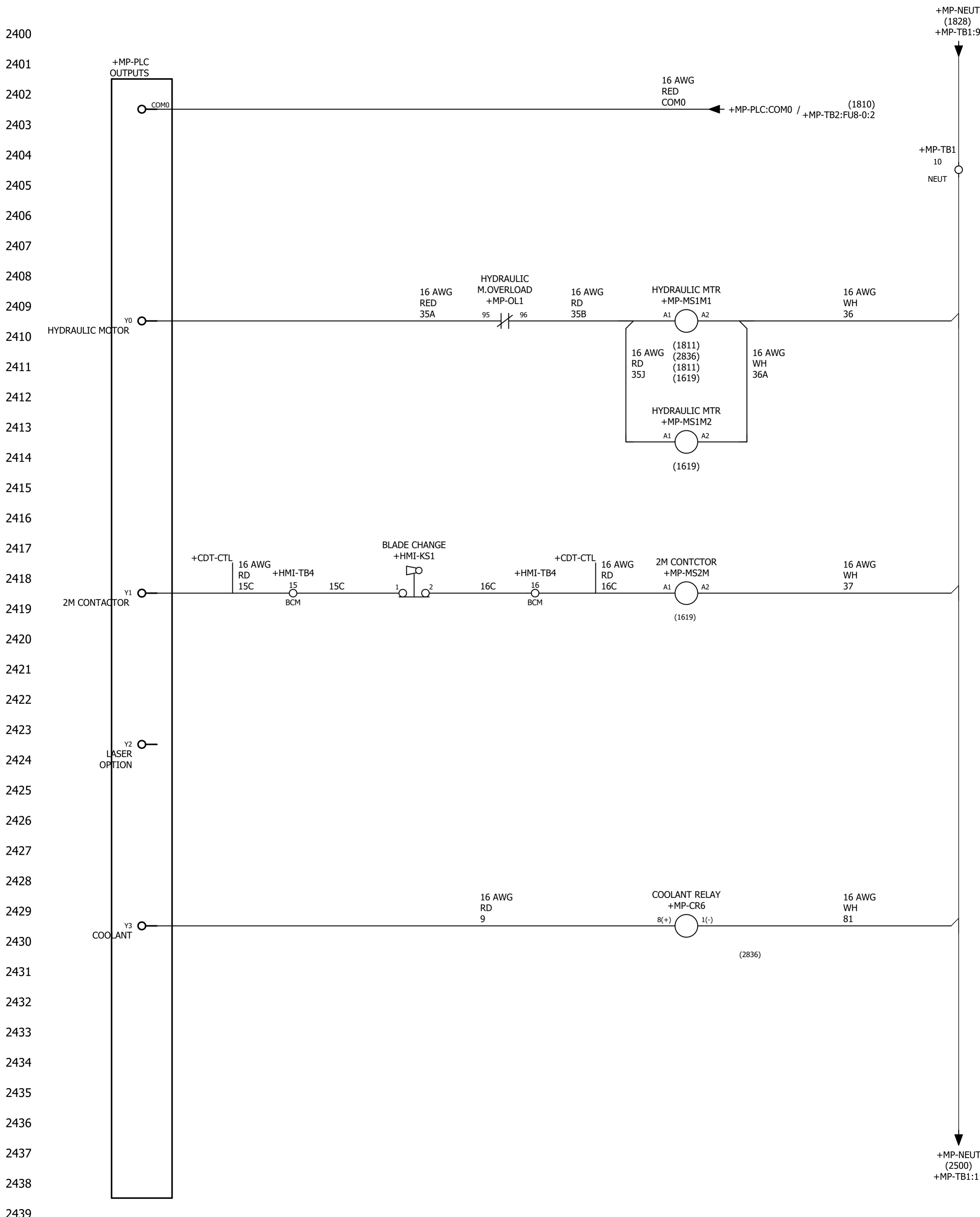


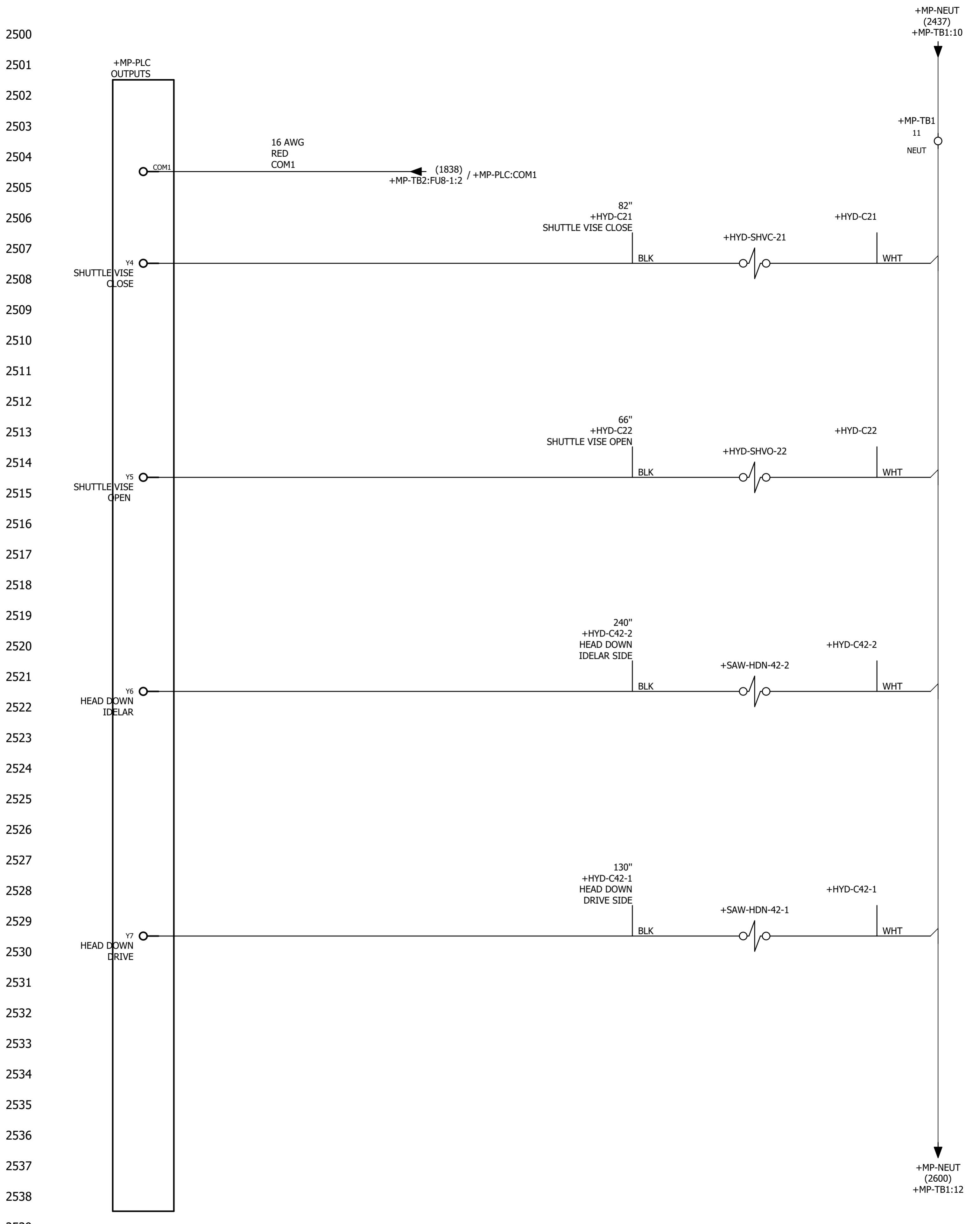


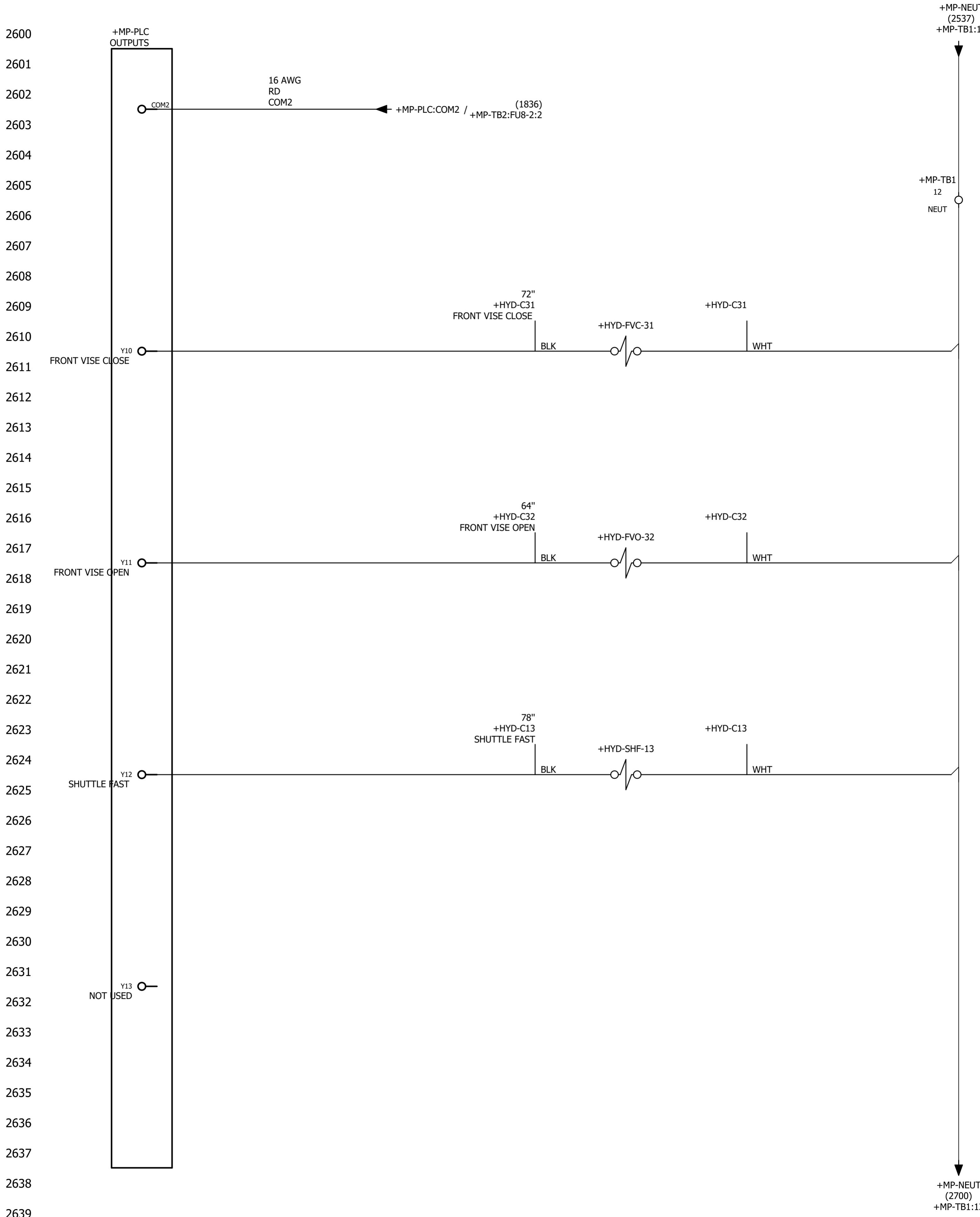


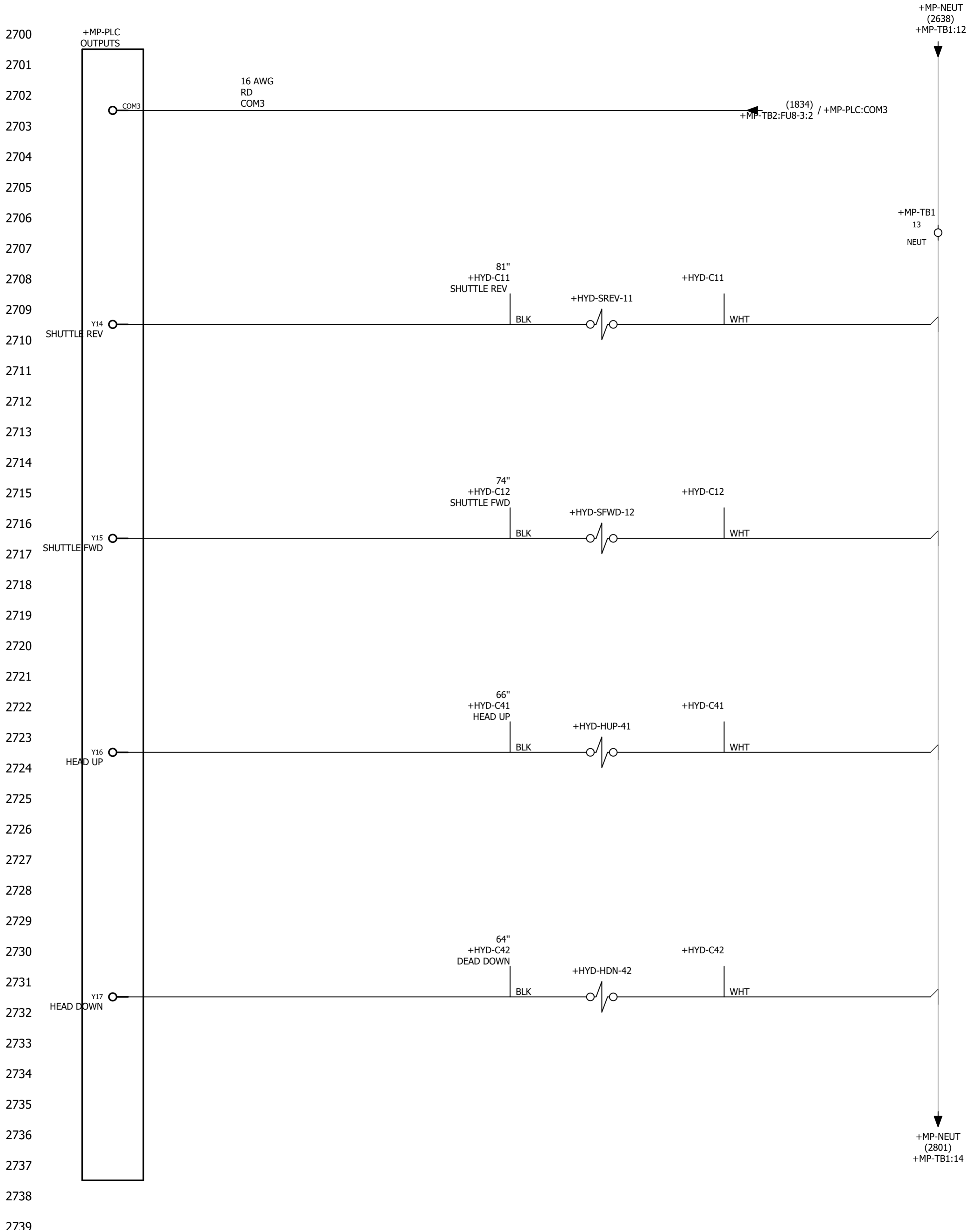
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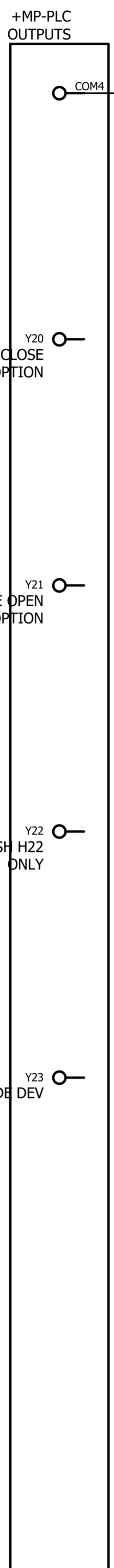








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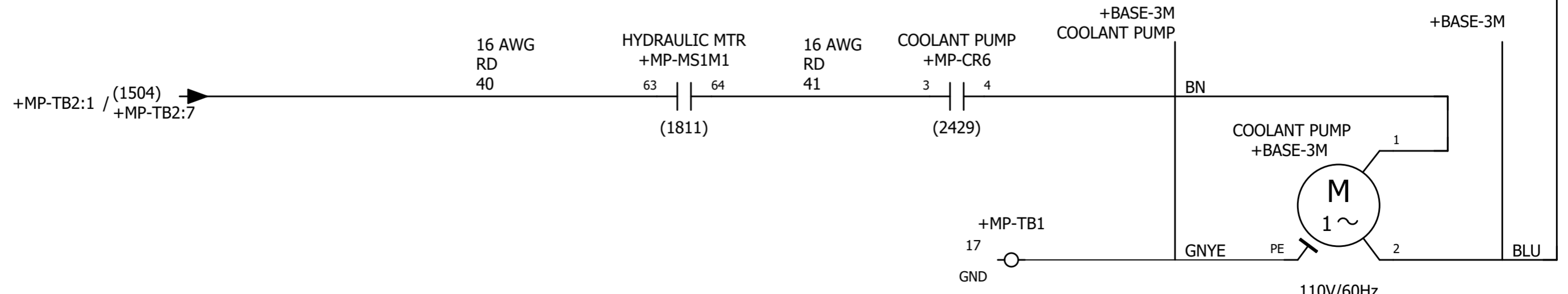
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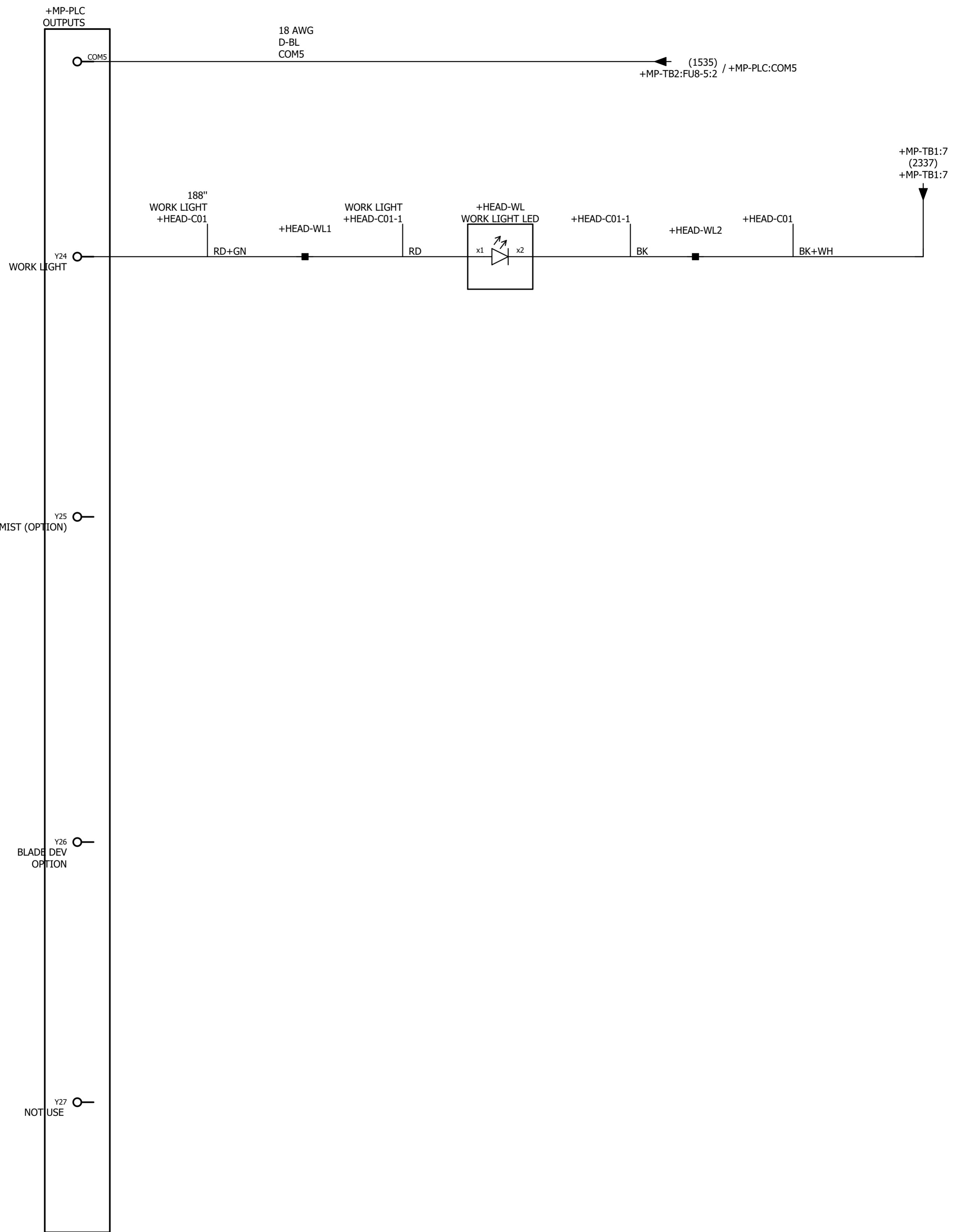
(1832) / +MP-PLC:COM4  
+MP-TB2:FU8-4:2

+MP-NEUT  
(2736)  
+MP-TB1:13

+MP-TB1  
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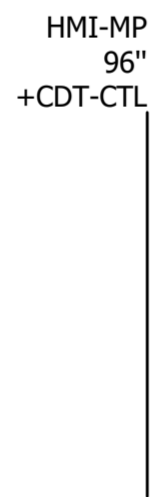
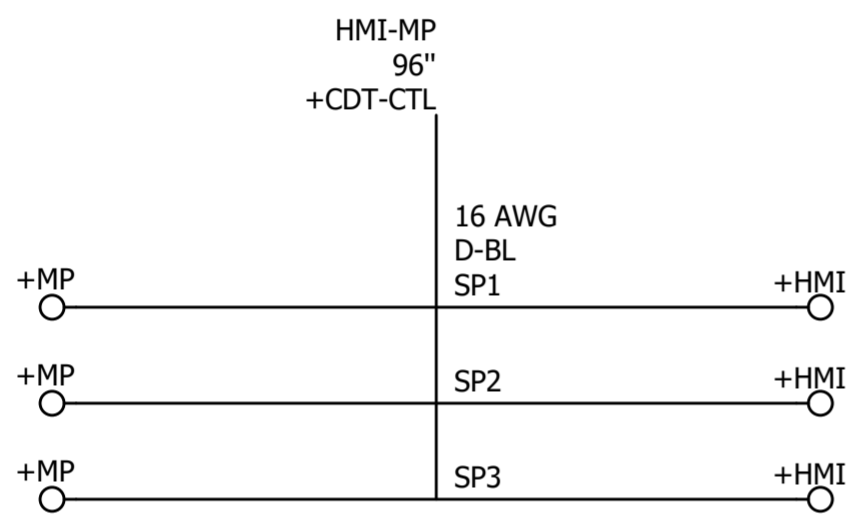
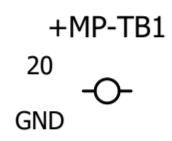
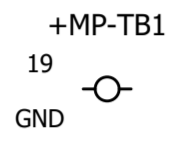
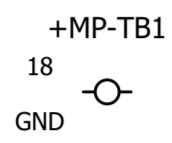


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from	Cable	Wire	Length x mm²(AWG) color		Parts From, Wire, To	to	More info				
			Wire des./definition				Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+HMI-PB1:2		13C	D-BL	18 AWG Conductor / wire	373142	+HMI-TB4:13			1537	T/*	27"
+HMI-PB1:1		12C	D-BL	18 AWG Conductor / wire	373142	+HMI-TB4:12			1537	T/*	
+HMI-PB1:12		1C	D-BL	18 AWG Conductor / wire	373142	+HMI-TB4:1			1707	T/T	27"
+HMI-PB1:11		3C	D-BL	18 AWG Conductor / wire	373142	+HMI-TB4:3			1707	*/*	30"
+HMI-PB1:22		2C	D-BL	18 AWG Conductor / wire	373142	+HMI-TB4:2			1710	T/T	23"
+HMI-PB1:21		4C	D-BL	18 AWG Conductor / wire	373142	+HMI-TB4:4			1710	*/*	26"
+HMI-KS1:3		5C	D-BL	18 AWG Conductor / wire	373142	+HMI-TB4:5			1719	*/*	26"
+HMI-KS1:4		7C	D-BL	18 AWG Conductor / wire	373142	+HMI-TB4:7			1719	*/*	24"
+HMI-KS1:13		6C	D-BL	18 AWG Conductor / wire	373142	+HMI-TB4:6			1731	*/*	26"
+HMI-KS1:14		8C	D-BL	18 AWG Conductor / wire	373142	+HMI-TB4:8			1731	*/*	23"
+HMI-KS1:2		18C	RD	16 AWG Conductor / wire	373205	+HMI-TB4:18			1838	*/T	22"
+HMI-KS1:1		17D	RD	16 AWG Conductor / wire	373205	+HMI-TB4:17			1838		24"
+HMI-KP:GND		GKP	Y-GN	16 AWG Conductor / wire	373170	+HMI-TB4:GND			1902	T/T	33"
+HMI-TB4:GND		54	Y-GN	16 AWG Conductor / wire	373170	+HMI-TS-ENET:GND			1919	T/*	33"
+HMI-TS-ENET:GND		54A	Y-GN	16 AWG Conductor / wire	373170	+HMI-TS-ENET:GND			1920	T/*	
+HMI-KP:+		1E	D-BL	18 AWG Conductor / wire	373142	+HMI-TS-RS232:+			1903	T/T	5.5"
+HMI-TB4:9		9C	D-BL	18 AWG Conductor / wire	373142	+HMI-TS-RS232:+			1914	T/*	32"
+HMI-KP:-		2E	D-BL	18 AWG Conductor / wire	373142	+HMI-TS-RS232:-			1904	T/T	5.5"
+HMI-TB4:10		10C	D-BL	18 AWG Conductor / wire	373142	+HMI-TS-RS232:-			1912	T/T	32"
+HMI-PB24:13		J24	D-BL	18 AWG Conductor / wire	373142	+HMI-TB4:10			2302	T/T	25"
+HMI-KS1:23		J24	D-BL	18 AWG Conductor / wire	373142	+HMI-PB24:13			2331	T/T	25"
+HMI-KP:RS232	+HMI-CKP		0.00 AWG	Conductor / wire		+HMI-TS-RS232			1905		
+HMI-PB24:14		11C	D-BL	18 AWG Conductor / wire	373142	+HMI-TB4:11			2302	T/T	24"
+HMI-KS1:24		14C	D-BL	18 AWG Conductor / wire	373142	+HMI-TB4:14			2331	T/*	25"
+HMI-KS1:2		16C	RD	16 AWG Conductor / wire	373205	+HMI-TB4:16			2418	T/T	26"
+HMI-KS1:1		15C	RD	16 AWG Conductor / wire	373205	+HMI-TB4:15			2418	T/T	26"



from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TB1:8			Saddle jumper		+MP-TB1:9			1503		
+MP-PLC:24V			Conductor / wire		+MP-PLC:SS			1922		
+MP-TB1:1			Saddle jumper		+MP-TB1:2			1533		
+MP-TB2:FU8-5:1			Saddle jumper		+MP-TB2:FU9:1			1535		
+MP-TB2:FU7:1			Saddle jumper		+MP-TB2:FU8-5:1			1537		
+MP-SR1-K1			Conductor / wire		+MP-SR1-K2			1604		
+MP-TB2:1			Saddle jumper		+MP-TB2:1A			1707		
+MP-TB2:2			Saddle jumper		+MP-TB2:2A			1710		
+MP-SR1-S11			Conductor / wire		+MP-SR1-S14			1629		
+MP-SR1			Conductor / wire		+MP-SR1			1806		
+MP-SR1			Conductor / wire		+MP-SR1			1806		
+MP-TB1:9			Saddle jumper		+MP-TB1:10			1813		
+MP-TB2:10			Saddle jumper		+MP-TB2:11			1819		
+MP-TB2:FU8-3:1			Saddle jumper		+MP-TB2:FU8-4:1			1834		
+MP-TB2:FU8-2:1			Saddle jumper		+MP-TB2:FU8-3:1			1836		
+MP-TB2:FU8-1:1			Saddle jumper		+MP-TB2:FU8-2:1			1838		
+MP-TB1:3			Saddle jumper		+MP-TB1:4			1904		
+MP-TB1:4			Saddle jumper		+MP-TB1:5			2105		
+MP-TB1:5			Saddle jumper		+MP-TB1:6			2207		
+MP-TB1:6			Saddle jumper		+MP-TB1:7			2218		
+MP-TB1:10			Saddle jumper		+MP-TB1:11			2404		
+MP-TB1:11			Saddle jumper		+MP-TB1:12			2503		
+MP-TB1:12			Saddle jumper		+MP-TB1:13			2605		
+MP-TB1:13			Saddle jumper		+MP-TB1:14			2706		
+MP-SR1:41		0V10	D-BL 18 AWG Conductor / wire	373142	+MP-TB1:7			2326	T/T	20"
+MP-PWS3:-		0VDC	D-BL 16 AWG Conductor / wire	373140	+MP-TB1:3			1513	*/T	16"
+MP-TB2:7		1	BLK 16 AWG Conductor / wire	373135	+MP-TB2:FU1			1506	T/T	16"
+MP-PWS3-L		3	BK 16 AWG Conductor / wire	373135	+MP-TB2:7			1509	T/*	11"
+MP-SR1:23		3A	BK 16 AWG Conductor / wire	373135	+MP-TB2:7			1804	T/*	30"
+MP-PWS3:N		6	WH 16 AWG Conductor / wire	373220	+MP-TB1:8			1509	T/*	32"
+MP-PWS3:-		8	D-BL 16 AWG Conductor / wire	373140	+MP-SR1-A2			1513	*/T	29"
+MP-CR6:8(+)		9	RD 16 AWG Conductor / wire	373205	+MP-PLC:Y3			2429	T/F	44"
+MP-MS1M1:22		10	D-BL 18 AWG Conductor / wire	373142	+MP-MS1M2:21			1619	*/*	12"
+MP-MS1M2:22		10A	D-BL 18 AWG Conductor / wire	373142	+MP-MS2M:21			1619	*/*	4"
+MP-SR1-A1		13	D-BL 18 AWG Conductor / wire	373142	+MP-TB2:FU7:2			1623	*/T	26"



from	Cable	Wire	Length x mm <sup>2</sup> (AWG) color		Parts From, Wire, To	to	More info				
			Wire des./definition				Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-MS1M1:21		16	D-BL	18 AWG Conductor / wire	373142	+MP-SR1-S12			1619	*/*	30"
+MP-MS1M1:13		22	RED	16 AWG Conductor / wire	373205	+MP-SR1:24			1811	T/*	30"
+MP-MS1M1:53		23	RED	16 AWG Conductor / wire	373205	+MP-SR1:14			1811	T/*	30"
+MP-TB1:1		24VD	D-BL	18 AWG Conductor / wire	373142	+MP-TB2:FU9:2			1533	*/T	30"
+MP-MS2M:22		31	D-BL	18 AWG Conductor / wire	373142	+MP-SR1-S21			1619	*/*	27"
+MP-MS1M1:14		33	RED	16 AWG Conductor / wire	373205	+MP-TB2:11			1811	T/*	33"
+MP-OL1:95		35A	RED	16 AWG Conductor / wire	373205	+MP-PLC:Y0			2409	F/T	39"
+MP-MS1M1:A1		35B	RD	16 AWG Conductor / wire	373205	+MP-OL1:96			2409	F/T	21"
+MP-MS1M1:A1		35J	RD	16 AWG Conductor / wire	373205	+MP-MS1M2:A1			2409	F/T	11"
+MP-MS1M1:A2		36	WH	16 AWG Conductor / wire	373220	+MP-TB1:10			2409	*/T	32"
+MP-MS1M1:A2		36A	WH	16 AWG Conductor / wire	373220	+MP-MS1M2:A2			2409	*/T	7"
+MP-MS2M:A2		37	WH	16 AWG Conductor / wire	373220	+MP-TB1:10			2418	*/T	4"
+HEAD-SS5:3		38	RD	16 AWG Conductor / wire	373135	+HEAD-SS5:13			1823	T/*	
+MP-MS1M1:13		39	RD	16 AWG Conductor / wire	373205	+MP-TB2:FU8-0:1			1811	T/*	28"
+MP-MS1M1:63		40	RD	16 AWG Conductor / wire	373205	+MP-TB2:7			2836	T/T	49"
+MP-CR6:3		41	RD	16 AWG Conductor / wire	373205	+MP-MS1M1:64			2836	T/T	32"
+MP-PWS3:-		47	D-BL	16 AWG Conductor / wire	373140	+MP-PWS3:PE			1513	*/T	29"
+MP-PWS3:PE		47A	Y-GN	16 AWG Conductor / wire	373170	+MP-TB1:15			1509	*/T	31"
+MP-PLC:24V		49	D-BL	18 AWG Conductor / wire	373142	+MP-TB1:1			1922	T/F	9"
+MP-CR6:1(-)		81	WH	16 AWG Conductor / wire	373220	+MP-TB1:10			2429	T/T	29"
+MP-PLC:-		121	D-BL	18 AWG Conductor / wire	373142	+MP-TB1:4			1927	*/T	10"
+MP-PLC:COM0		COM0	RED	16 AWG Conductor / wire	373205	+MP-TB2:FU8-0:2			2402	F/T	32"
+MP-PLC:COM1		COM1	RED	16 AWG Conductor / wire	373205	+MP-TB2:FU8-1:2			2504	F/T	38"
+MP-PLC:COM2		COM2	RD	16 AWG Conductor / wire	373205	+MP-TB2:FU8-2:2			2602	T/F	34"
+MP-PLC:COM3		COM3	RD	16 AWG Conductor / wire	373205	+MP-TB2:FU8-3:2			2702	T/F	34"
+MP-PLC:COM4		COM4	RD	16 AWG Conductor / wire	373205	+MP-TB2:FU8-4:2			2802	T/F	29"
+MP-PLC:COM5		COM5	D-BL	18 AWG Conductor / wire	373142	+MP-TB2:FU8-5:2			2902	T/F	27"
+MP-PLC:GND		G1C	Y-GN	16 AWG Conductor / wire	373170	+MP-TB1:16			1919	T/R	13"
+MP-SR1:13		J1	BLK	16 AWG Conductor / wire	373135	+MP-SR1:23			1804	T/*	
+MP-SR1-K2:34		S1	D-BL	18 AWG Conductor / wire	373142	+MP-VFD:S1			1604	T/T	33"
+MP-SR1-K2:34		S2	D-BL	18 AWG Conductor / wire	373142	+MP-VFD:S2			1604	T/T	
+MP-SR1-K1:33		SC	D-BL	18 AWG Conductor / wire	373142	+MP-VFD:SC			1604	T/T	40"
+MP-PLC:X16		X16	D-BL	18 AWG Conductor / wire	373142	+MP-SR1:42			2326	T/RF	24"



from	Cable	Wire	Wire des./definition <small>Length x mm²(AWG) color</small>	Parts From, Wire, To	to	More info				
						Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-PLC:RDA	+MP-CVFDD		BU/WH Conductor / wire		+MP-VFD:RJ45			1931	*	52"
+MP-PLC:RDB	+MP-CVFDD		BU Conductor / wire		+MP-VFD:RJ45			1932	*	52"
+MP-PLC:SDA	+MP-CVFDD		GN/WH Conductor / wire		+MP-VFD:RJ45			1933	*	52"
+MP-PLC:SDBV	+MP-CVFDD		GN Conductor / wire		+MP-VFD:RJ45			1934	*	52"
+MP-PLC:SG	+MP-CVFDD		BN/WH Conductor / wire		+MP-VFD:RJ45			1936	*	52"
+MP-PLC:SG	+MP-CVFDD		ORG/WH Conductor / wire		+MP-VFD:RJ45			1936	*	52"
+MP-PLC:RDA	+MP-CVFDA		BU/WH Conductor / wire		+MP-VFD:TXD+			2028	*/*	55"
+MP-PLC:RDB	+MP-CVFDA		BU Conductor / wire		+MP-VFD:TXD-			2029	*/*	55"
+MP-PLC:SDA	+MP-CVFDA		GN/WH Conductor / wire		+MP-VFD:RXD+			2030	*/*	55"
+MP-PLC:SDBV	+MP-CVFDA		GN Conductor / wire		+MP-VFD:RXD-			2031	*/*	55"
+MP-PLC:SG	+MP-CVFDA		BN/WH Conductor / wire		+MP-VFD:GND			2034	*/*	55"
+MP-PLC:SG	+MP-CVFDA		SH Conductor / wire		+MP-VFD:GND			2034	*/*	55"
+MP-PLC:SG	+MP-CVFDA		ORG/WH Conductor / wire		+MP-VFD:GND			2034	*/*	55"

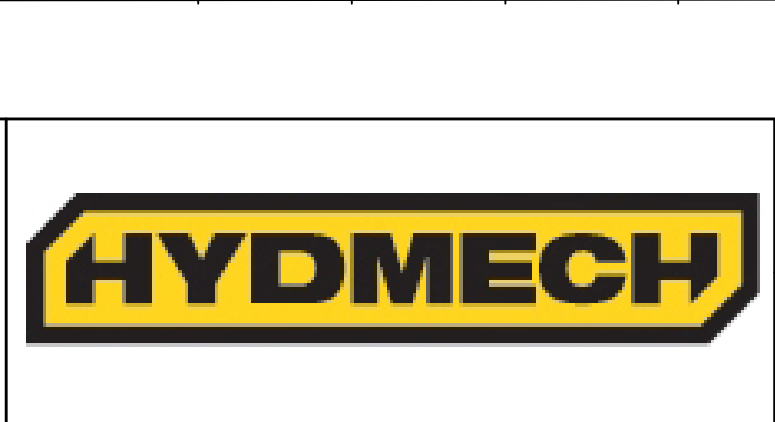
from	Cable	Wire	Wire des./definition	Parts From, Wire, To	to	More info				
						Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TB1:9	+HYD-C51		WHT 0.00 AWG Conductor / wire		+HYD-BT-51			1813	T	82"
+MP-TB1:9	+HYD-C52		WHT 0.00 AWG Conductor / wire		+HYD-BT-52			1813	T	72"
+MP-M4-1	+HYD-CFAN		BK Conductor / wire		+MP-TB1:9			1817	T	
+MP-M4-1	+HYD-CFAN		BK 18 AWG Conductor / wire		+MP-TB2:11			1817	T	
+MP-TB2:8	+HYD-C51		BLK 0.00 AWG Conductor / wire		+HYD-BT-51			1823	T	82"
+MP-TB2:9	+HYD-C52		BLK 0.00 AWG Conductor / wire		+HYD-BT-52			1826	T	73"
+MP-TB1:11	+HYD-C21		WHT 0.00 AWG Conductor / wire		+HYD-SHVC-21			2503	T	82"
+MP-TB1:11	+HYD-C22		WHT 0.00 AWG Conductor / wire		+HYD-SHVO-22			2503	T	66"
+MP-TB1:11	+HYD-C42-1		WHT 0.00 AWG Conductor / wire		+SAW-HDN-42-1			2503	T	130"
+MP-TB1:11	+HYD-C42-2		WHT 0.00 AWG Conductor / wire		+SAW-HDN-42-2			2503	T	240"
+MP-PLC:Y4	+HYD-C21		BLK 0.00 AWG Conductor / wire		+HYD-SHVC-21			2507	RF	82"
+MP-PLC:Y5	+HYD-C22		BLK 0.00 AWG Conductor / wire		+HYD-SHVO-22			2514	RF	66"
+MP-PLC:Y6	+HYD-C42-2		BLK 0.00 AWG Conductor / wire		+SAW-HDN-42-2			2521	F	240"
+MP-PLC:Y7	+HYD-C42-1		BLK 0.00 AWG Conductor / wire		+SAW-HDN-42-1			2529	F	130"
+MP-TB1:12	+HYD-C13		WHT 0.00 AWG Conductor / wire		+HYD-SHF-13			2605	T	78"
+MP-TB1:12	+HYD-C31		WHT 0.00 AWG Conductor / wire		+HYD-FVC-31			2605	T	72"
+MP-TB1:12	+HYD-C32		WHT 0.00 AWG Conductor / wire		+HYD-FVO-32			2605	T	64"
+MP-PLC:Y10	+HYD-C31		BLK 0.00 AWG Conductor / wire		+HYD-FVC-31			2610	RF	72"
+MP-PLC:Y11	+HYD-C32		BLK 0.00 AWG Conductor / wire		+HYD-FVO-32			2617	RF	64"
+MP-PLC:Y12	+HYD-C13		BLK 0.00 AWG Conductor / wire		+HYD-SHF-13			2624	RF	78"
+MP-TB1:13	+HYD-C11		WHT 0.00 AWG Conductor / wire		+HYD-SREV-11			2706	T	81"
+MP-TB1:13	+HYD-C12		WHT 0.00 AWG Conductor / wire		+HYD-SFWD-12			2706	T	74"
+MP-TB1:13	+HYD-C41		WHT 0.00 AWG Conductor / wire		+HYD-HUP-41			2706	T	66"
+MP-TB1:13	+HYD-C42		WHT 0.00 AWG Conductor / wire		+HYD-HDN-42			2706	T	64"
+MP-PLC:Y14	+HYD-C11		BLK 0.00 AWG Conductor / wire		+HYD-SREV-11			2709	RF	81"
+MP-PLC:Y15	+HYD-C12		BLK 0.00 AWG Conductor / wire		+HYD-SFWD-12			2716	RF	74"
+MP-PLC:Y16	+HYD-C41		BLK 0.00 AWG Conductor / wire		+HYD-HUP-41			2723	RF	66"
+MP-PLC:Y17	+HYD-C42		BLK 0.00 AWG Conductor / wire		+HYD-HDN-42			2732	RF	64"

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from	Cable	Wire	Wire des./definition	Parts From, Wire, To	to	More info				
						Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TB1:1	+HEAD-CE1		BN Conductor / wire		+HEAD-E1:BRN			1533	S	324"
+MP-SR1-S11	+HEAD-C05		BN Conductor / wire		+HEAD-LS7:1			1629	S	240"
+MP-TB2:3	+HEAD-C06		BU Conductor / wire		+HEAD-LS8:3			1723	*	210"
+MP-TB2:5	+HEAD-C06		BN Conductor / wire		+HEAD-LS8:1			1723	*	210"
+MP-TB2:5	+HEAD-C05		BU Conductor / wire		+HEAD-LS7:3			1723	*	240"
+MP-TB2:4	+HEAD-C06		BK Conductor / wire		+HEAD-LS8:4			1726	*	210"
+MP-TB2:6	+HEAD-C06		WH Conductor / wire		+HEAD-LS8:2			1726	*	210"
+MP-TB2:6	+HEAD-C05		BK Conductor / wire		+HEAD-LS26:4			1726	*	240"
+MP-SR1-S10	+HEAD-C05		WH Conductor / wire		+HEAD-LS26:2			1629	S	240"
+MP-TB2:10	+HEAD-C53		BK 3 18 AWG Conductor / wire		+HEAD-SS5:3			1819	T	190"
+MP-TB2:8	+HEAD-C53		BK 1 18 AWG Conductor / wire		+HEAD-SS5:4			1823	T	190"
+MP-TB2:9	+HEAD-C53		BK 2 18 AWG Conductor / wire		+HEAD-SS5:14			1826	T	190"
+MP-TB1:4	+HEAD-CE1		WH Conductor / wire		+HEAD-E1:WHT			2105	S	324"
+MP-PLC:X0	+HEAD-CE1		BK Conductor / wire		+HEAD-E1:BLK			2107	S	324"
+MP-PLC:X1	+HEAD-CE1		BU Conductor / wire		+HEAD-E1:BLU			2109	S	324"
+MP-TB1:2	+HEAD-CE4		BN Conductor / wire		+HEAD-E4:BRN			2111	S	252"
+MP-TB1:2	+HEAD-CP1		BN Conductor / wire		+HEAD-P1			2111	S	228"
+MP-PLC:X4	+HEAD-CE4		BK Conductor / wire		+HEAD-E4:BLK			2126	S	252"
+MP-PLC:X5	+HEAD-CE4		BU Conductor / wire		+HEAD-E4:BLU			2128	S	252"
+MP-TB1:5	+HEAD-CE4		WH Conductor / wire		+HEAD-E4:WHT			2207	S	252"
+MP-TB1:6	+HEAD-CP1		BU Conductor / wire		+HEAD-P1			2218	S	228"
+MP-PLC:X10	+HEAD-CP1		BK Conductor / wire		+HEAD-P1			2223	S	228"
+HEAD-WL:x1	+HEAD-C01-1	142	RD Conductor / wire		+HEAD-WL1:1			2908		
+HEAD-WL:x2	+HEAD-C01-1	143	BK Conductor / wire		+HEAD-WL2:1			2908		
+MP-TB1:7	+HEAD-C01	C01	BK+WH 0.00 AWG Conductor / wire		+HEAD-WL2:2			2321	T/T	328"
+MP-PLC:Y24	+HEAD-C01	C01	RD+GN 0.00 AWG Conductor / wire		+HEAD-WL1:2			2908	*/T	188"

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from	Length x mm²(AWG) color			Parts From, Wire, To	to	More info				
	Cable	Wire	Wire des./definition			Jumper	Conducto	Page	Conductor End	LENGTH (Inches)
+MP-TB1:14	+BASE-3M		BLU Conductor / wire		+BASE-3M:2			2806	T	
+MP-CR6:4	+BASE-3M		BN Conductor / wire		+BASE-3M:1			2836	T	
+MP-TB1:17	+BASE-3M		GNYE Conductor / wire		+BASE-3M:PE			2839	T	





from	Cable	Wire	Wire des./definition	Parts From, Wire, To	to	More info.				
						Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TB2:1A	+SHT-C04		BK 3 18 AWG Conductor / wire		+SHT-PBSE:2			1707	T/T	215"
+MP-TB2:3	+SHT-C04		BK 1 18 AWG Conductor / wire		+SHT-PBSE:1			1723	T/T	230"
+MP-TB2:2A	+SHT-C04		BK 4 18 AWG Conductor / wire		+SHT-PBSE:12			1710	T/T	215"
+MP-TB2:4	+SHT-C04		BK 2 18 AWG Conductor / wire		+SHT-PBSE:11			1726	T/T	230"
+MP-TB1:5	+SHT-C23		WH 18 AWG Conductor / wire		+SHT-LS4:2			2207	*	179"
+MP-PLC:X6	+SHT-C23		BN 18 AWG Conductor / wire		+SHT-LS4:1			2204	*	179"



from	Cable	Wire	Wire des./definition	Parts From, Wire, To	to	More info				
			Length x mm²(AWG) color			Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-PLC:X14	+SAW-C44		BK Conductor / wire		+SAW-LS2:4			2316	*	152"
+MP-TB1:7	+SAW-C44		BU Conductor / wire		+SAW-LS2:3			2321	T	152"

from	Length x mm <sup>2</sup> (AWG) color				Parts From, Wire, To	to	More info				
	Cable	Wire	Wire des./definition				Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-SR1-S12	+CDT-CTL	1C	16 AWG	D-BL Conductor / wire	373140	+HMI-TB4:1			1623	T/T	145"
+MP-SR1-S13	+CDT-CTL	2C	16 AWG	D-BL Conductor / wire	373140	+HMI-TB4:2			1629	T/T	145"
+MP-TB2:1	+CDT-CTL	3C	16 AWG	D-BL Conductor / wire	373140	+HMI-TB4:3			1707	T/T	125"
+MP-TB2:2	+CDT-CTL	4C	16 AWG	D-BL Conductor / wire	373140	+HMI-TB4:4			1710	T/T	125"
+MP-TB2:3	+CDT-CTL	5C	16 AWG	D-BL Conductor / wire	373140	+HMI-TB4:5			1723	T/T	134"
+MP-TB2:4	+CDT-CTL	6C	16 AWG	D-BL Conductor / wire	373140	+HMI-TB4:6			1726	T/T	138"
+MP-SR1-S14	+CDT-CTL	7C	16 AWG	D-BL Conductor / wire	373140	+HMI-TB4:7			1629	T/T	135"
+MP-SR1-S10	+CDT-CTL	8C	16 AWG	D-BL Conductor / wire	373140	+HMI-TB4:8			1629	T/T	145"
+MP-TB1:1	+CDT-CTL	9C	16 AWG	D-BL Conductor / wire	373140	+HMI-TB4:9			1533	T/T	154"
+MP-TB1:4	+CDT-CTL	10C	16 AWG	D-BL Conductor / wire	373140	+HMI-TB4:10			2105	T/T	125"
+MP-PLC:X11	+CDT-CTL	11C	16 AWG	D-BL Conductor / wire	373140	+HMI-TB4:11			2302	T/RF	143"
+MP-PWS3-L:+	+CDT-CTL	12C	16 AWG	D-BL Conductor / wire	373140	+HMI-TB4:12			1513	T/*	125"
+MP-TB2:FU7:1	+CDT-CTL	13C	16 AWG	D-BL Conductor / wire	373140	+HMI-TB4:13			1537	T/*	165"
+MP-PLC:X17	+CDT-CTL	14C	16 AWG	D-BL Conductor / wire	373140	+HMI-TB4:14			2331	T/RF	135"
+MP-PLC:Y1	+CDT-CTL	15C	16 AWG	RD Conductor / wire	373205	+HMI-TB4:15			2418	T/RF	147"
+MP-MS2M:A1	+CDT-CTL	16C	16 AWG	RD Conductor / wire	373205	+HMI-TB4:16			2418	T/T	153"
+MP-MS1M1:54	+CDT-CTL	17C	16 AWG	RD Conductor / wire	373205	+HMI-TB4:17			1811	T/T	155"
+MP-TB2:FU8-1:1	+CDT-CTL	18C	16 AWG	RED Conductor / wire	373205	+HMI-TB4:18			1838	T/T	134"
+MP-TB1:16	+CDT-CTL	G1K	12 AWG	Y-GN Conductor / wire	373160	+HMI-TB4:GND			1919	T/T	146"
+MP-PLC:ENET	+CDT-CTL	GT-PLC	0.00 AWG	WHT Conductor / wire	370113;60004047	+HMI-TS-ENET			1917		
+MP	+CDT-CTL	SP1	16 AWG	D-BL Conductor / wire	373140	+HMI			3017		160"
+MP	+CDT-CTL	SP2	16 AWG	D-BL Conductor / wire	373140	+HMI			3018		160"
+MP	+CDT-CTL	SP3	16 AWG	D-BL Conductor / wire	373140	+HMI			3019		160"



# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+MP-CVFDA +MP-CVFDD	370113	55" 52"		Cable Shielded Category 5E Patch Cable 14Ft With Rj-45 Connectors	PLC-VFD =

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# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HYD-C11	370215	81"	3	Cable, Yellow, 16-3C Sjtow	SHUTTLE REV
+HYD-C12	370215	74"	3	Cable, Yellow, 16-3C Sjtow	SHUTTLE FWD
+HYD-C13	370215	78"	3	Cable, Yellow, 16-3C Sjtow	SHUTTLE FAST
+HYD-C21	370215	82"	3	Cable, Yellow, 16-3C Sjtow	SHUTTLE VISE CLOSE
+HYD-C22	370215	66"	3	Cable, Yellow, 16-3C Sjtow	SHUTTLE VISE OPEN
+HYD-C31	370215	72"	3	Cable, Yellow, 16-3C Sjtow	FRONT VISE CLOSE
+HYD-C32	370215	64"	3	Cable, Yellow, 16-3C Sjtow	FRONT VISE OPEN
+HYD-C41	370215	66"	3	Cable, Yellow, 16-3C Sjtow	HEAD UP
+HYD-C42	370215	64"	3	Cable, Yellow, 16-3C Sjtow	DEAD DOWN
+HYD-C42-1	370215	130"	3	Cable, Yellow, 16-3C Sjtow	HEAD DOWN DRIVE SIDE
+HYD-C42-2	370215	240"	3	Cable, Yellow, 16-3C Sjtow	HEAD DOWN IDELAR SIDE
+HYD-C51	370215	82"	3	Cable, Yellow, 16-3C Sjtow	BLADE TENSION +
+HYD-C52	370215	73"	3	Cable, Yellow, 16-3C Sjtow	BLADE TENSION -
+HYD-CFAN			4		FAN

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# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HEAD-C01	370105	188"	4	Cable, 22(7) 2 Pr. Ind. Foil Shield	WORK LIGHT
+HEAD-C01-1			4		=
+HEAD-C05	370098	240"		Sensor/Actuator cable	IDLER DOOR
+HEAD-C06	370098	210"		Sensor/Actuator cable	DRIVE DOOR
+HEAD-C53	370145	190"	4	Cable, CE 18 Awg, 4 Con, Oil Resistant	BLADE TENSION S/S
+HEAD-CE1	370097	324"		Sensor/Actuator cable	Cable, Shielded, PUR, 10M, 4 Pole, FEED RATE
+HEAD-CE4	370097	252"		Sensor/Actuator cable	=
+HEAD-CP1	370097	228"		Sensor/Actuator cable	Cable, Shielded, PUR, 10M, 4 Pole, PROXIMTY SWITCH

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# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+BASE-3M	360735			Fitting, Strain Relief, 16/3 & 16/4,	COOLANT PUMP



# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+SHT-C04 +SHT-C23	370146 370094	230" 179"	5 5	Cable, CE, 18 awg, 5 conductor    ÖLFLEX® 190 Sensor/Actuator cable	SHT-ESTOP OUT OF STOCK

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# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HMI-CKP	370019		3	1FT DB9 M/F Serial RS232 Extension cable	INTERFACE-KP



# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+SAW-C44	370094	152"		Sensor/Actuator cable	HEAD DOWN



# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+CDT-CTL	370295		1	Conduit, Flexible Non Metallic Tubing, 1/4 in.	

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# Parts usage indication

Part number	Qty	Designation	DT	Function text
373140	1	Wire, 16 Awg / 26, TEW, Dark Blue		
	1			
	1			
373205	1	Wire, 16 Awg / 26, TEW, Red		
	1			
	1			
	1			
	1			
	1			
	1			
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	1			
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	1			
	1			
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	1			
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	1			
373142	1	Wire, 18 Awg / 26, TEW, Dark Blue		
	1			
	1			
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# Parts usage indication

Part number	Qty	Designation	DT	Function text
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	1			
373170	1	Wire, 16 Awg / 26, TEW, Green-Yellow Str		
	1			
	1			
	1			
	1			
373220	1	Wire, 16 Awg / 26, TEW, White		
	1			
	1			
	1			
	1			
373135	1	Wire, 16 Awg / 26, TEW, Black		
	1			
	1			
	1			
	1			



# Parts usage indication

Part number	Qty	Designation		DT	Function text
370105	1	Cable, 22(7) 2 Pr. Ind. Foil Shield		+HEAD-C01	WORK LIGHT
392375	4	Label,Self Laminating Vinyl, 0.5"x0.75"	Laser, Brady, Used on	+HEAD-C01	=
370098	1	Sensor/Actuator cable	6-24 AWG wires	+HEAD-C05	IDLER DOOR
372759	2	Marker Bar, Unprinted, Used on M12 Cable		+HEAD-C05	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HEAD-C05	=
370098	1	Sensor/Actuator cable		+HEAD-C06	DRIVE DOOR
372759	2	Marker Bar, Unprinted, Used on M12 Cable		+HEAD-C06	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HEAD-C06	=
370145	1	Cable, CE 18 Awg, 4 Con,	Oil Resistant	+HEAD-C53	BLADE TENSION S/S
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HEAD-C53	=
370097	1	Sensor/Actuator cable	Cable, Shielded, PUR,	+HEAD-CE1	FEED RATE
372759	2	Marker Bar, Unprinted, Used on M12 Cable	10M, 4 Pole,	+HEAD-CE1	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HEAD-CE1	=
370097	1	Sensor/Actuator cable	Cable, Shielded, PUR,	+HEAD-CE4	=
372759	2	Marker Bar, Unprinted, Used on M12 Cable	10M, 4 Pole,	+HEAD-CE4	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HEAD-CE4	=
370097	1	Sensor/Actuator cable	Cable, Shielded, PUR,	+HEAD-CP1	PROXIMTY SWITCH
372759	2	Marker Bar, Unprinted, Used on M12 Cable	10M, 4 Pole,	+HEAD-CP1	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HEAD-CP1	=
371039	1	Encoder, 2500 ppr, M12 5-Pin Radial Connector		+HEAD-E1	LEHGTH ENCODER
371039	1	Encoder, 2500 ppr, M12 5-Pin Radial Connector		+HEAD-E4	FEED RATE ENCODER
372547	1	Switch, Safety, Hinge Acuator with	hollow shaft, M12	+HEAD-LS7	IDLER DOOR
372547	1	Switch, Safety, Hinge Acuator with	hollow shaft, M12	+HEAD-LS8	DRIVE DOOR
372423	1	Sensor, Proximity, 4mm Sensing,	with M12 Connector	+HEAD-P1	PROXIMTY SWICH NPN
373351	1	Enclosure IP65, 3 X 3 X 2, CSA, UL,	comes with adapter, BT	+HEAD-SS5	BLADE TENSION
391620	1	Label, Blade Tension, +/-run/H/-,	Silver Overlay, NA 'H' &	+HEAD-SS5	=
372636	1	black selector switch head Ø22 3-position stay put	'V' Machines	+HEAD-SS5	=
370586	1	single contact block with body/fixing collar 2NO screw clamp termil		+HEAD-SS5	=
370510	1	Connector, 1/2 in. NPT,Liquid Tight,	Liquid Tight,	+HEAD-SS5	=
50003193	1	LED Square 4in work light 27 Watt 24VDC**		+HEAD-WL	WORK LIGHT LED
372760	2	Terminal, 12 Pole 22-14 Awg, 20A, 300V		+HEAD-WL	=



# Parts usage indication

Part number	Qty	Designation	DT	Function text
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C11	SHUTTLE REV
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C11	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%	+HYD-C11	=
371455	1	Heat Shrink, Black, 3/32	+HYD-C11	=
370500	1	Connector, Hirschmann	+HYD-C11	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C11	=
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C12	SHUTTLE FWD
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C12	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%	+HYD-C12	=
371455	1	Heat Shrink, Black, 3/32	+HYD-C12	=
370500	1	Connector, Hirschmann	+HYD-C12	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C12	=
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C13	SHUTTLE FAST
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C13	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%	+HYD-C13	=
371455	1	Heat Shrink, Black, 3/32	+HYD-C13	=
370500	1	Connector, Hirschmann	+HYD-C13	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C13	=
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C21	SHUTTLE VISE CLOSE
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C21	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%	+HYD-C21	=
371455	1	Heat Shrink, Black, 3/32	+HYD-C21	=
370500	1	Connector, Hirschmann	+HYD-C21	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C21	=
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C22	SHUTTLE VISE OPEN
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C22	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%	+HYD-C22	=
371455	1	Heat Shrink, Black, 3/32	+HYD-C22	=
370500	1	Connector, Hirschmann	+HYD-C22	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C22	=
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C31	FRONT VISE CLOSE
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C31	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%	+HYD-C31	=
371455	1	Heat Shrink, Black, 3/32	+HYD-C31	=
370500	1	Connector, Hirschmann	+HYD-C31	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C31	=
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C32	FRONT VISE OPEN

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# Parts usage indication

Part number	Qty	Designation	DT	Function text
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C32	FRONT VISE OPEN
372415	1	Resistor, 150 Ohm, 2W, Mf 5%	+HYD-C32	=
371455	1	Heat Shrink, Black, 3/32	+HYD-C32	=
370500	1	Connector, Hirschmann	+HYD-C32	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C32	=
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C41	HEAD UP
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C41	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%	+HYD-C41	=
371455	1	Heat Shrink, Black, 3/32	+HYD-C41	=
370500	1	Connector, Hirschmann	+HYD-C41	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C41	=
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C42	DEAD DOWN
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C42	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%	+HYD-C42	=
371455	1	Heat Shrink, Black, 3/32	+HYD-C42	=
370500	1	Connector, Hirschmann	+HYD-C42	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C42	=
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C42-1	HEAD DOWN
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C42-1	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%	+HYD-C42-1	=
371455	1	Heat Shrink, Black, 3/32	+HYD-C42-1	=
370500	1	Connector, Hirschmann	+HYD-C42-1	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C42-1	=
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C42-2	HEAD DOWN
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C42-2	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%	+HYD-C42-2	=
371455	1	Heat Shrink, Black, 3/32	+HYD-C42-2	=
370500	1	Connector, Hirschmann	+HYD-C42-2	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C42-2	=
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C51	BLADE TENSION +
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C51	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%	+HYD-C51	=
371455	1	Heat Shrink, Black, 3/32	+HYD-C51	=
370500	1	Connector, Hirschmann	+HYD-C51	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C51	=
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C52	BLADE TENSION -
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C52	=





# Parts usage indication

Part number	Qty	Designation	DT	Function text
372415	1	Resistor, 150 Ohm, 2W, Mf 5%	+HYD-C52	BLADE TENSION -
371455	1	Heat Shrink, Black, 3/32	+HYD-C52	=
370500	1	Connector, Hirschmann	+HYD-C52	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C52	=





# Parts usage indication

Part number	Qty	Designation	DT	Function text
370146	1	Cable, CE, 18 awg, 5 conductor	ÖLFLEX® 190	+SHT-C04 SHT-ESTOP
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+SHT-C04 =
370094	1	Sensor/Actuator cable		+SHT-C23 OUT OF STOCK
372759	2	Marker Bar, Unprinted, Used on M12 Cable		+SHT-C23 =
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+SHT-C23 =
373313	1	Switch, Actuator, Rotary Head	without lever, Spring	+SHT-LS4 =
372524	1	Switch, Limit, 1NO & 1NC, M12 Connector	1NO & 1NC, M12	+SHT-LS4 =
373314	1	Lever, Roller, Thermoplastic	Connector	+SHT-LS4 =
372326	1	red Ø40 Emergency stop, switching off head Ø22 trigger and latching push-pull		+SHT-PBSE E Stop
370571	1	single contact block with body/fixing collar 1NC screw clamp termil		+SHT-PBSE =
370529	1	single contact block for head Ø22 1NC silver alloy screw clamp termil		+SHT-PBSE =
	1	Mounting Collar for 395569		+SHT-PBSE =
371005	1	Enclosure, Plastic,	For Push Button Station,	+SHT-PBSE =



# Parts usage indication

Part number	Qty	Designation	DT	Function text
370019	1	1FT DB9 M/F Serial RS232 Extension cable	+HMI-CKP	INTERFACE-KP
60004002	1	HYDMECH CUSTOM KEYPAD	+HMI-KP	KEYPAD
372621	1	black selector switch head Ø22 2-position- Ronis 455	+HMI-KS1	BLADE CHANGE
370586	1	single contact block with body/fixing collar 2NO screw clamp termil	+HMI-KS1	=
370529	1	single contact block for head Ø22 1NC silver alloy screw clamp termil	+HMI-KS1	=
370532	2	single contact block for head Ø22 1NO silver alloy screw clamp termil	+HMI-KS1	=
372326	1	red Ø40 Emergency stop, switching off head Ø22 trigger and latching push-pull	+HMI-PB1	E Stop
370571	1	single contact block with body/fixing collar 1NC screw clamp termil	+HMI-PB1	=
370529	3	single contact block for head Ø22 1NC silver alloy screw clamp termil	+HMI-PB1	=
370576	1	single contact block with body/fixing collar 1NO screw clamp termil	+HMI-PB24	ENABLE
372301	1	yellow flush pushbutton head Ø22 spring return unmarked	+HMI-PB24	=
371043	1	End cover	Used With Type St 1.5 & 2.5 +HMI-TB4	
372857	1	Feed-through terminal block	+HMI-TB4:1	SAFETY CCT
	1		+HMI-TB4:2	=
	1		+HMI-TB4:3	=
	1		+HMI-TB4:4	=
	1		+HMI-TB4:5	=
	1		+HMI-TB4:6	=
	1		+HMI-TB4:7	=
	1		+HMI-TB4:8	=
	1		+HMI-TB4:11	ENABLE PB
	1		+HMI-TB4:12	BCM
	1		+HMI-TB4:13	=
	1		+HMI-TB4:14	=
	1		+HMI-TB4:15	=
	1		+HMI-TB4:16	=
	1		+HMI-TB4:17	=
	1		+HMI-TB4:18	=
372757	1	Zack marker strip	Used With Type St 2.5 +HMI-TB4:1	SAFETY CCT
	1		+HMI-TB4:2	=
	1		+HMI-TB4:3	=
	1		+HMI-TB4:4	=
	1		+HMI-TB4:5	=
	1		+HMI-TB4:6	=
	1		+HMI-TB4:7	=
	1		+HMI-TB4:8	=
	1		+HMI-TB4:11	ENABLE PB

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# Parts usage indication

Part number	Qty	Designation		DT	Function text
	1			+HMI-TB4:12	BCM
	1			+HMI-TB4:13	=
	1			+HMI-TB4:14	=
	1			+HMI-TB4:15	=
	1			+HMI-TB4:16	=
	1			+HMI-TB4:17	=
	1			+HMI-TB4:18	=
	1			+HMI-TB4:9	+ TS
	1			+HMI-TB4:10	- TS
372335	8	Rail, Din 35 x 7, 5 Slotted 2M		+HMI-TB4:1	SAFETY CCT
372327	1	Feed-through terminal block		+HMI-TB4:9	+ TS
	1			+HMI-TB4:10	- TS
372328	1	End cover	Used With Typ St 1.5 &	+HMI-TB4:10	=
372329	1	Ground modular terminal block	2.5	+HMI-TB4:GND	HMI TERMINALS
372754	1	Zack marker strip	Used With Type St 1.5	+HMI-TB4:GND	=
60004000	1	GS2107-WTBD		+HMI-TS	INTERFACE



# Parts usage indication

Part number	Qty	Designation		DT	Function text
372385	1	Relay Base, Surface Mount,	Used with DPDT relay	+MP-CR6	COOLANT RELAY
372390	1	Relay, Dpdt, 5 Amp Switching,	Plug In, ac 120V	+MP-CR6	=
370113	1	Cable Shielded Category 5E Patch Cable 14Ft With Rj-45 Connectors		+MP-CVFDD	PLC-VFD
371085	1	Fan Cord, Cooling Rotron Cord 60 in.		+MP-M4-1	MP EXHAUST
371090	1	Fan Guard, Cooling Guard		+MP-M4-1	=
371100	1	Fan, Cooling, 115V, 0.2/0.18A, 50/60HZ,	Impedance Protected,	+MP-M4-1	=
370561	1	Auxiliary contact block TeSys - 2 NO + 0 NC,screw-clamps terminals	Impedance Protected,	+MP-MS1M1	HYDRAULIC MTR
60004001	1	CPU module	Impedance Protected,	+MP-PLC	PLC
	1			+MP-PLC	=
60003912	1	CPU module	8/0	+MP-PLC	OUTPUTS
60004719	1	Power Supply I/P100-240VAC. 2.5A, O/P:22-28VDC, 5A, 120W,		+MP-PWS3	POWER SUPPLY
371569	1	Relay, Safety, 24VDC	3N/O & 1N/C O/P	+MP-SR1	SAFETY RELAY
372327	1	Feed-through terminal block		+MP-TB1:1	24VDC
	1			+MP-TB1:2	=
	1			+MP-TB1:3	0VDC
	1			+MP-TB1:4	=
	1			+MP-TB1:5	=
	1			+MP-TB1:6	=
	1			+MP-TB1:7	=
	1			+MP-TB1:8	NEUT
	1			+MP-TB1:9	=
	1			+MP-TB1:10	=
	1			+MP-TB1:11	=
	1			+MP-TB1:12	=
	1			+MP-TB1:13	=
	1			+MP-TB1:14	=
372757	1	Zack marker strip	Used With Type St 2.5	+MP-TB1:1	24VDC
	1			+MP-TB1:2	=
	1			+MP-TB1:3	0VDC
	1			+MP-TB1:4	=
	1			+MP-TB1:5	=
	1			+MP-TB1:6	=
	1			+MP-TB1:7	=
	1			+MP-TB1:8	NEUT
	1			+MP-TB1:9	=
	1			+MP-TB1:10	=
	1			+MP-TB1:11	=

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# Parts usage indication

Part number	Qty	Designation		DT	Function text
	1			+MP-TB1:12	NEUT
	1			+MP-TB1:13	=
	1			+MP-TB1:14	=
370067	1	Plug-in bridge	Used With Type St 1.5	+MP-TB1:1	24VDC
	1			+MP-TB1:4	0VDC
	1			+MP-TB1:5	=
	1			+MP-TB1:6	=
	1			+MP-TB1:12	NEUT
	1			+MP-TB1:13	=
371073	3	End clamp		+MP-TB1:1	24VDC
372335	18	Rail, Din 35 x 7, 5 Slotted 2M		+MP-TB1:1	=
370068	1	Plug-in bridge	Used With Type St 1.5	+MP-TB1:3	0VDC
	1			+MP-TB1:8	NEUT
372328	1	End cover	Used With Typ St 1.5 &	+MP-TB1:7	0VDC
372329	1	Ground modular terminal block	2.5	+MP-TB1:15	GND
	1			+MP-TB1:16	=
	1			+MP-TB1:17	=
	1			+MP-TB1:18	=
	1			+MP-TB1:19	=
	1			+MP-TB1:20	=
372754	1	Zack marker strip	Used With Type St 1.5	+MP-TB1:15	=
	1			+MP-TB1:16	=
	1			+MP-TB1:17	=
	1			+MP-TB1:18	=
	1			+MP-TB1:19	=
	1			+MP-TB1:20	=
371073	3	End clamp		+MP-TB2	
372327	1	Feed-through terminal block		+MP-TB2:1	SAFETY CCT
	1			+MP-TB2:1A	=
	1			+MP-TB2:2	=
	1			+MP-TB2:2A	=
	1			+MP-TB2:3	=
	1			+MP-TB2:4	=
	1			+MP-TB2:5	=
	1			+MP-TB2:6	=
	1			+MP-TB2:7	120V AC
	1			+MP-TB2:8	BT+

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# Parts usage indication

Part number	Qty	Designation		DT	Function text
	1			+MP-TB2:9	BT-
	1			+MP-TB2:10	BT
	1			+MP-TB2:11	RUN
372757	1	Zack marker strip	Used With Type St 2.5	+MP-TB2:1	SAFETY CCT
	1			+MP-TB2:1A	=
	1			+MP-TB2:2	=
	1			+MP-TB2:2A	=
	1			+MP-TB2:3	=
	1			+MP-TB2:4	=
	1			+MP-TB2:5	=
	1			+MP-TB2:6	=
	1			+MP-TB2:7	120V AC
	1			+MP-TB2:8	BT+
	1			+MP-TB2:9	BT-
	1			+MP-TB2:10	BT
	1			+MP-TB2:11	RUN
370067	1	Plug-in bridge	Used With Type St 1.5	+MP-TB2:1	SAFETY CCT
	1			+MP-TB2:1A	=
	1			+MP-TB2:2	=
	1			+MP-TB2:2A	=
	1			+MP-TB2:10	BT
372335	18	Rail, Din 35 x 7, 5 Slotted 2M		+MP-TB2:1	SAFETY CCT
	5			+MP-TB2:FU8-1	3A TD
372328	1	End cover	Used With Typ St 1.5 &	+MP-TB2:11	RUN
372802	1	Fuse modular terminal block	2.5	+MP-TB2:FU7	2A FAST
	1			+MP-TB2:FU8-5	3A TD
	1			+MP-TB2:FU9	5A TD
	1			+MP-TB2:FU1	8A TD
	1			+MP-TB2:FU8-0	3A TD
	1			+MP-TB2:FU8-1	=
	1			+MP-TB2:FU8-2	=
	1			+MP-TB2:FU8-3	=
	1			+MP-TB2:FU8-4	=
372756	1	Terminal Markers, Unprinted,	Used with ZFK Fuse	+MP-TB2:FU7	2A FAST
	1		Terminals	+MP-TB2:FU8-5	3A TD
	1			+MP-TB2:FU9	5A TD
	1			+MP-TB2:FU1	8A TD

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# Parts usage indication

Part number	Qty	Designation		DT	Function text
	1			+MP-TB2:FU8-0	3A TD
	1			+MP-TB2:FU8-1	=
	1			+MP-TB2:FU8-2	=
	1			+MP-TB2:FU8-3	=
	1			+MP-TB2:FU8-4	=
371285	1	Fuse, Fast Acting, 2A	Glass 1/4 x 1-1/4	+MP-TB2:FU7	2A FAST
371290	1	Fuse, Time Delay, 3 AMP	Glass 1/4 x 1-1/4	+MP-TB2:FU8-5	3A TD
	1			+MP-TB2:FU8-0	=
	1			+MP-TB2:FU8-1	=
	1			+MP-TB2:FU8-2	=
	1			+MP-TB2:FU8-3	=
	1			+MP-TB2:FU8-4	=
370066	1	Plug-in bridge	Used With Type St 6	+MP-TB2:FU8-5	=
	1			+MP-TB2:FU8-0	=
	1			+MP-TB2:FU8-2	=
	1			+MP-TB2:FU8-3	=
	1			+MP-TB2:FU8-4	=
371365	1	Fuse, Time Delay, 5 AMP	Glass 1/4 x 1-1/4	+MP-TB2:FU9	5A TD
371280	1	Fuse, Fast Acting, 8 Amp, 600V		+MP-TB2:FU1	8A TD
371070	2	End bracket		+MP-TB2:FU8-1	3A TD

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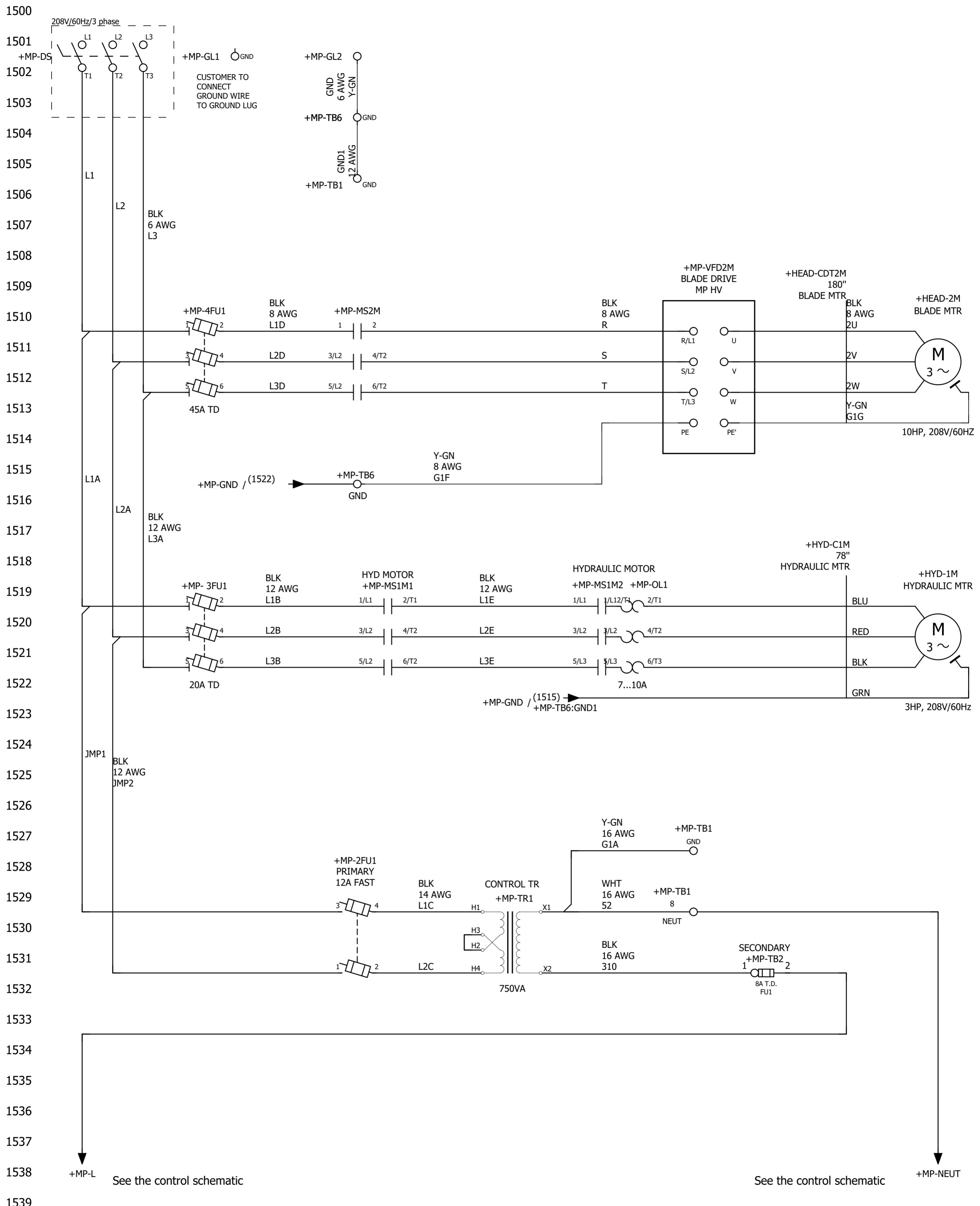




**HYD-MECH CANADA**  
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ECN Number:	01742
Project description	H18A-208V/60Hz Option
Schematic #	H18A-7-00-208-1
Manufacturer (company)	HYD-MECH CANADA
Path	
Project name	H18A-7-00-208-1
Make	H18A
Type	
Place of installation	
Responsible for project	WA
Part feature	
Created on	11/20/19
Edit date	12/04/19
by (short name)	wabdou
Number of pages	20



from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TR1:H2			Conductor / wire		+MP-TR1:H3			1529		
+MP-TB1:8		52	16 AWG WHT	373220	+MP-TR1:X1			1529	T/T	22"
+MP-TB2:FU1:1		310	16 AWG BLK	373135	+MP-TR1:X2			1531	T/T	23"
+MP-TB1:GND		G1A	16 AWG Y-GN	373170	+MP-TR1:X1			1527	T/T	22"
+MP-TB6:GND1		G1F	8 AWG Y-GN	373154	+MP-VFD2M:PE			1515	T/T	17"
+MP-GL2		GND	6 AWG Y-GN	373153	+MP-TB6:GND			1501	T/T	
+MP-TB1:GND		GND1	12 AWG Y-GN	373160	+MP-TB6:GND			1505	T/T	23"
+MP-2FU1:3		JMP1	12 AWG BLK	373125	+MP-3FU1:1	20A TD		1529	T/T	5"
+MP-2FU1:1		JMP2	12 AWG BLK	373125	+MP-3FU1:3	20A TD		1529	T/T	5"
+MP-DS:T1		L1	6 AWG BLK	373115	+MP-4FU1:1	45A TD		1501	T/T	7"
+MP-3FU1:1		L1A	12 AWG BLK	373125	+MP-4FU1:1	45A TD		1519	T/T	7"
+MP-3FU1:2		L1B	12 AWG BLK	373125	+MP-MS1M1:1/L1	110VAC		1519	T/T	18"
+MP-2FU1:4		L1C	14 AWG BLK	373187	+MP-TR1:H1			1529	T/RT	7"
+MP-4FU1:2		L1D	8 AWG BLK	373110	+MP-MS2M:1	110VAC		1510	T/T	8"
+MP-MS1M1:2/T1		L1E	12 AWG BLK	373125	+MP-MS1M2:1/L1	110VAC		1519	T/T	7"
+MP-DS:T2		L2	6 AWG BLK	373115	+MP-4FU1:3	45A TD		1501	T/T	8"
+MP-3FU1:3		L2A	12 AWG BLK	373125	+MP-4FU1:3	45A TD		1519	T/T	7"
+MP-3FU1:4		L2B	12 AWG BLK	373125	+MP-MS1M:3/L2	110VAC		1519	T/T	17"
+MP-2FU1:2		L2C	14 AWG BLK	373187	+MP-TR1:H4			1529	T/RT	7"
+MP-4FU1:4		L2D	8 AWG BLK	373110	+MP-MS1M:3/L2	110VAC		1510	T/T	8"
+MP-MS1M:3/L2		L2E	12 AWG BLK	373125	+MP-MS1M:4/T2	110VAC		1520	T/T	7"
+MP-DS:T3		L3	6 AWG BLK	373115	+MP-4FU1:5	45A TD		1501	T/T	9"
+MP-3FU1:5		L3A	12 AWG BLK	373125	+MP-4FU1:5	45A TD		1519	T/T	7"
+MP-3FU1:6		L3B	12 AWG BLK	373125	+MP-MS1M:5/L2	110VAC		1519	T/T	16"
+MP-4FU1:6		L3D	8 AWG BLK	373110	+MP-MS1M:5/L2	110VAC		1510	T/T	8"
+MP-MS1M:5/L3		L3E	12 AWG BLK	373125	+MP-MS1M:6/T2	110VAC		1521	T/T	7"
+MP-MS2M:2		R	8 AWG BLK	373110	+MP-VFD2M:R/L1			1510	T/RT	22"
+MP-MS1M:4/T2		S	8 AWG BLK	373110	+MP-VFD2M:S/L2			1511	T/RT	22"
+MP-MS1M:6/T2		T	8 AWG BLK	373110	+MP-VFD2M:T/L3			1512	T/RT	22"



**from**      **to**

from	Cable	Length x mm <sup>2</sup> (AWG) color		Wire des./definition	Parts From, Wire, To	to	More info				
		Wire	Wire des./definition				Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-OL1:2/T1	+HYD-C1M		BLU	0.00 AWG Conductor / wire		+HYD-1M:1T1			1519	T/T	78"
+MP-OL1:4/T2	+HYD-C1M		RED	0.00 AWG Conductor / wire		+HYD-1M:1T2			1519	T/T	78"
+MP-OL1:6/T3	+HYD-C1M		BLK	0.00 AWG Conductor / wire		+HYD-1M:1T3			1519	T/T	78"



from	Length x mm <sup>2</sup> (AWG) color				Parts From, Wire, To	to	More info				
	Cable	Wire	Wire des./definition				Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-VFD2M:U	+HEAD-CDT2M	2U	8 AWG	BLK Conductor / wire	373110	+HEAD-2M:2U			1510	RT/T	198"
+MP-VFD2M:V	+HEAD-CDT2M	2V	8 AWG	BLK Conductor / wire	373110	+HEAD-2M:2V			1511	RT/T	198"
+MP-VFD2M:W	+HEAD-CDT2M	2W	8 AWG	BLK Conductor / wire	373110	+HEAD-2M:2W			1512	RT/T	198"
+MP-VFD2M:PE'	+HEAD-CDT2M	G1G	8 AWG	Y-GN Conductor / wire	373154	+HEAD-2M			1513	RT/T	180"



# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HYD-C1M	370210	78"	4	Cable, Yellow Jacket 14-4C Sto	HYDRAULIC MTR





# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HEAD-CDT2M	370325	180"		Conduit, Metal, 3/4 in.	BLADE MTR









# Parts usage indication

Part number	Qty	Designation		DT	Function text
370835	1	Disconnect Handle, 30 & 60 Amp		+MP-DS	
370905	1	Disconnect, Metal Shaft Extension		+MP-DS	
370865	1	Disconnect, Switch, 60 Amp Non Fusible		+MP-DS	
371200	1	Fuse Block, 2-Pole, 600V, 30A		+MP-2FU1	PRIMARY
371245	2	Fuse, Fast Acting, 12 Amp, 600V		+MP-2FU1	=
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-3FU1	
371390	3	Fuse, Time Delay, 20 Amp, 600V	Class CC, ATDR	+MP-3FU1	
373331	3	Fuse Block, 1-Pole, 600V, 60A,	CE, UL, CSA	+MP-4FU1	BADE MOTOR
371410	3	Fuse, Time Delay, 45 Amp, 600V	AJT	+MP-4FU1	=
815440	2	3 Pole assembly Kit (US6J FH)		+MP-4FU1	=
372740	1	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL1	
372740	2	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL2	
370616	1	Contacto TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	Coil 110 V AC AC	+MP-MS1M1	HYD MOTOR
370616	1	Contacto TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	CONTACTOR AC 1A	+MP-MS1M2	HYDRAULIC MOTOR
370636	1	Contacto, 120Vac, 50/60Hz, 15HP 208V	CONTACTOR AC 1A 15HP	+MP-MS2M	BADE MOTOR
372116	1	TOR - 7...10 A	CONTACTOR AC 1A 15HP	+MP-OL1	HYD.
371044	1	End cover	CONTACTOR AC 1A 15HP	+MP-TB6	GND
372805	1	Earth terminal	COIL	+MP-TB6:GND1	=
	1		Terminal Pe 16-6 Awg	+MP-TB6:GND	
	1		Wkn10/Slu	+MP-TB6:GND1	GND
372755	1	Terminal Markers, Marcom		+MP-TB6:GND	
	1				
372900	1	Transformer, 750VA, 208V / 120V,	50/60Hz, Type T	+MP-TR1	CONTROL TR
371649	1	Inverter enclosed type(IP20)	10HP 240V MICRO	+MP-VFD2M	BLADE DRIVE

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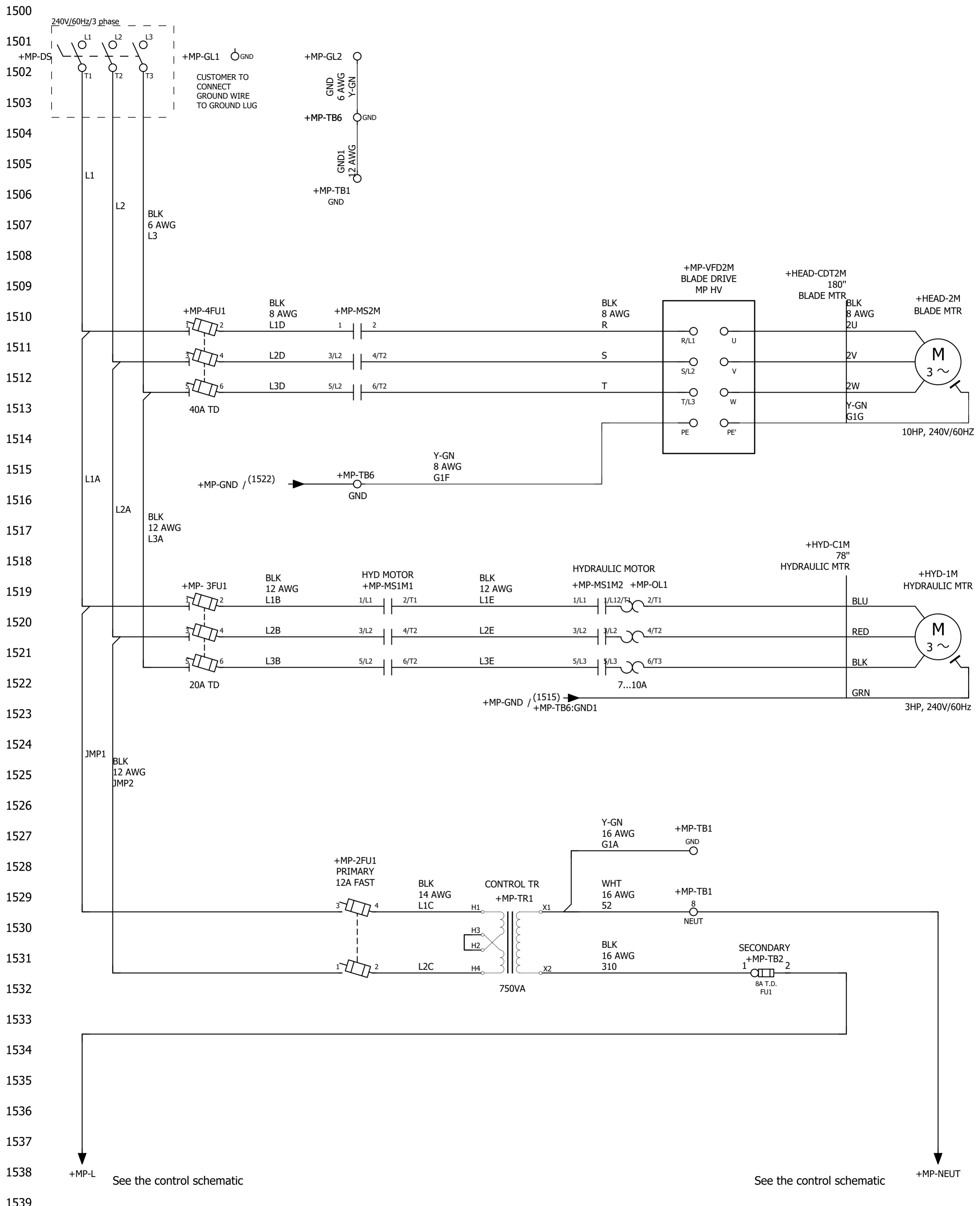




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ECN Number:	01742		
Project description	H18A-240V/60Hz Option		
Schematic #	H18A-7-00-240-1		
Manufacturer (company)	HYD-MECH CANADA		
Path			
Project name	H18A-7-00-240-1		
Make	H18A		
Type			
Place of installation			
Responsible for project	WA		
Part feature			
Created on	11/20/19		
Edit date	12/04/19	by (short name) wabdou	Number of pages 20



from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TR1:H2			Conductor / wire WHT		+MP-TR1:H3			1529		
+MP-TB1:8		52	16 AWG Conductor / wire	373220	+MP-TR1:X1			1529	T/T	22"
+MP-TB3-FU1:1		310	16 AWG Conductor / wire	373135	+MP-TR1:X2			1531	T/T	23"
+MP-TB1:GND		G1A	16 AWG Conductor / wire	373170	+MP-TR1:X1			1527	T/T	22"
+MP-TB6:GND1		G1F	8 AWG Conductor / wire	373154	+MP-VFD2M:PE			1515	T/T	17"
+MP-GL2		GND	6 AWG Conductor / wire	373153	+MP-TB6:GND			1501	T/T	15"
+MP-TB1:GND		GND1	12 AWG Conductor / wire	373160	+MP-TB6:GND			1505	T/T	23"
+MP-2FU1:3		JMP1	12 AWG Conductor / wire	373125	+MP-3FU1:1	20A TD		1529	T/T	5"
+MP-2FU1:1		JMP2	12 AWG Conductor / wire	373125	+MP-3FU1:3	20A TD		1529	T/T	5"
+MP-DS:T1		L1	6 AWG Conductor / wire	373115	+MP-4FU1:1	40A TD		1501	T/T	7"
+MP-3FU1:1		L1A	12 AWG Conductor / wire	373125	+MP-4FU1:1	40A TD		1519	T/T	7"
+MP-3FU1:2		L1B	12 AWG Conductor / wire	373125	+MP-MS1M1:1/L1	110VAC		1519	T/T	18"
+MP-2FU1:4		L1C	14 AWG Conductor / wire	373187	+MP-TR1:H1			1529	T/RT	7"
+MP-4FU1:2		L1D	8 AWG Conductor / wire	373110	+MP-MS2M:1	110VAC		1510	T/T	8"
+MP-MS1M1:2/T1		L1E	12 AWG Conductor / wire	373125	+MP-MS1M2:1/L1	110VAC		1519	T/T	7"
+MP-DS:T2		L2	6 AWG Conductor / wire	373115	+MP-4FU1:3	40A TD		1501	T/T	8"
+MP-3FU1:3		L2A	12 AWG Conductor / wire	373125	+MP-4FU1:3	40A TD		1519	T/T	7"
+MP-3FU1:4		L2B	12 AWG Conductor / wire	373125	+MP-MS1M:3/L2	110VAC		1519	T/T	17"
+MP-2FU1:2		L2C	14 AWG Conductor / wire	373187	+MP-TR1:H4			1529	T/RT	7"
+MP-4FU1:4		L2D	8 AWG Conductor / wire	373110	+MP-MS1M:3/L2	110VAC		1510	T/T	8"
+MP-MS1M:3/L2		L2E	12 AWG Conductor / wire	373125	+MP-MS1M:4/T2	110VAC		1520	T/T	7"
+MP-DS:T3		L3	6 AWG Conductor / wire	373115	+MP-4FU1:5	40A TD		1501	T/T	9"
+MP-3FU1:5		L3A	12 AWG Conductor / wire	373125	+MP-4FU1:5	40A TD		1519	T/T	7"
+MP-3FU1:6		L3B	12 AWG Conductor / wire	373125	+MP-MS1M:5/L2	110VAC		1519	T/T	16"
+MP-4FU1:6		L3D	8 AWG Conductor / wire	373110	+MP-MS1M:5/L2	110VAC		1510	T/T	8"
+MP-MS1M:5/L3		L3E	12 AWG Conductor / wire	373125	+MP-MS1M:6/T2	110VAC		1521	T/T	7"
+MP-MS2M:2		R	8 AWG Conductor / wire	373110	+MP-VFD2M:R/L1			1510	T/RT	22"
+MP-MS1M:4/T2		S	8 AWG Conductor / wire	373110	+MP-VFD2M:S/L2			1511	T/RT	22"
+MP-MS1M:6/T2		T	8 AWG Conductor / wire	373110	+MP-VFD2M:T/L3			1512	T/RT	22"

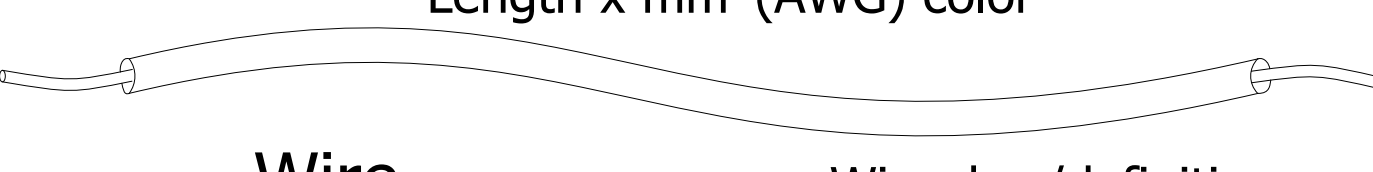




from	Cable	Wire	Wire des./definition	Parts From, Wire, To	to	More info.			
			<small>Length x mm<sup>2</sup>(AWG) color</small> 			<input type="checkbox"/> Jumper <input type="checkbox"/> Conductor	Page	Conductor End	LENGTH (Inches)
+MP-OL1:2/T1	+HYD-C1M		BLU 0.00 AWG Conductor / wire		+HYD-1M:1T1		1519	T/T	78"
+MP-OL1:4/T2	+HYD-C1M		RED 0.00 AWG Conductor / wire		+HYD-1M:1T2		1519	T/T	78"
+MP-OL1:6/T3	+HYD-C1M		BLK 0.00 AWG Conductor / wire		+HYD-1M:1T3		1519	T/T	78"



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from	Cable	Length x mm <sup>2</sup> (AWG) color 			Parts From, Wire, To	to	More info.				
		Wire	Wire des./definition				Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-VFD2M:U	+HEAD-CDT2M	2U	BLK 8 AWG Conductor / wire	373110	+HEAD-2M:2U			1510	RT/T	198"	
+MP-VFD2M:V	+HEAD-CDT2M	2V	BLK 8 AWG Conductor / wire	373110	+HEAD-2M:2V			1511	RT/T	198"	
+MP-VFD2M:W	+HEAD-CDT2M	2W	BLK 8 AWG Conductor / wire	373110	+HEAD-2M:2W			1512	RT/T	198"	
+MP-VFD2M:PE'	+HEAD-CDT2M	G1G	Y-GN 8 AWG Conductor / wire	373154	+HEAD-2M			1513	RT/T	198"	



# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HYD-C1M	370210	78"	4	Cable, Yellow Jacket 14-4C Sto	HYDRAULIC MTR

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# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HEAD-CDT2M	370325	180"		Conduit, Metal, 3/4 in.	BLADE MTR



# Parts usage indication

Part number	Qty	Designation	DT	Function text
373115	1	Wire, 6 Awg / 19, Black		
	1			
	1			
373125	1	Wire, 12 Awg / 19, T90, Black		
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
373187	1	Wire 14 Awg / 19 T90 Black ***		
	1			
373110	1	Wire, 8 Awg / 19, Black		
	1			
	1			
	1			
	1			
	1			
373154	1	Wire, 8 Awg / 19, T90, Green/Yellow		
373160	1	Wire, 12 Awg / 19, T90, Green-Yellow		
373153	1	Wire, 6 Awg / 19, T90, Green/Yellow		
373135	1	Wire, 16 Awg / 26, TEW, Black		
373220	1	Wire, 16 Awg / 26, TEW, White		
373170	1	Wire, 16 Awg / 26, TEW, Green-Yellow Str		



0 1 2 3 4 5 6 7 8 9

# Parts usage indication

Part number	Qty	Designation	DT	Function text
370325	1	Conduit, Metal, 3/4 in.	+HEAD-CDT2M	BLADE MTR
370429	1	Connector, Conduit, 3/4"	+HEAD-CDT2M	=
370430	1	Connector, Conduit, 3/4" Metal	+HEAD-CDT2M	=
373110	1	Wire, 8 Awg / 19, Black	+HEAD-CDT2M	
	1		+HEAD-CDT2M	
	1		+HEAD-CDT2M	
373154	1	Wire, 8 Awg / 19, T90, Green/Yellow	+HEAD-CDT2M	
392365	2	Label Cord 0.75 x 1.5	+HEAD-CDT2M	BLADE MTR
392375	8	Label, Self Laminating Vinyl, 0.5"x0.75"	+HEAD-CDT2M	=
342494	1	Gearmotor, 10 HP, A503, Compact,	+HEAD-2M	=



# Parts usage indication

Part number	Qty	Designation		DT	Function text
370835	1	Disconnect Handle, 30 & 60 Amp		+MP-DS	
370905	1	Disconnect, Metal Shaft Extension		+MP-DS	
370865	1	Disconnect, Switch, 60 Amp Non Fusible		+MP-DS	
371200	1	Fuse Block, 2-Pole, 600V, 30A		+MP-2FU1	PRIMARY
371245	2	Fuse, Fast Acting, 12 Amp, 600V		+MP-2FU1	=
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-3FU1	
371390	3	Fuse, Time Delay, 20 Amp, 600V	Class CC, ATDR	+MP-3FU1	
373331	3	Fuse Block, 1-Pole, 600V, 60A,	CE, UL, CSA	+MP-4FU1	BADE MOTOR
371405	3	Fuse, Time Delay, 40 Amp, 600V	AJT	+MP-4FU1	=
815440	2	3 Pole assembly Kit (US6J FH)		+MP-4FU1	=
372740	1	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL1	
372740	2	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL2	
370616	1	Contactor TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	Coil 110 V AC AC	+MP-MS1M1	HYD MOTOR
370616	1	Contactor TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	CONTACTOR AC 10HP	+MP-MS1M2	HYDRAULIC MOTOR
370636	1	Contactor, 120Vac, 50/60Hz, 15HP 208V	CONTACTOR AC 10HP	+MP-MS2M	BADE MOTOR
372116	1	TOR - 7...10 A	50/60Hz, 50/60HZ	+MP-OL1	HYD.
371044	1	End cover	COIL	+MP-TB6	GND
372805	1	Earth terminal	Terminal Pe 16-6 Awg	+MP-TB6:GND1	=
	1		Wkn10/Slu	+MP-TB6:GND	
372755	1	Terminal Markers, Marcom		+MP-TB6:GND1	GND
	1			+MP-TB6:GND	
372920	1	Transformer, 750VA, 240V-480V, / 120V	50/60Hz, Type T	+MP-TR1	CONTROL TR
371649	1	Inverter enclosed type(IP20)	10HP 240V MICRO	+MP-VFD2M	BLADE DRIVE

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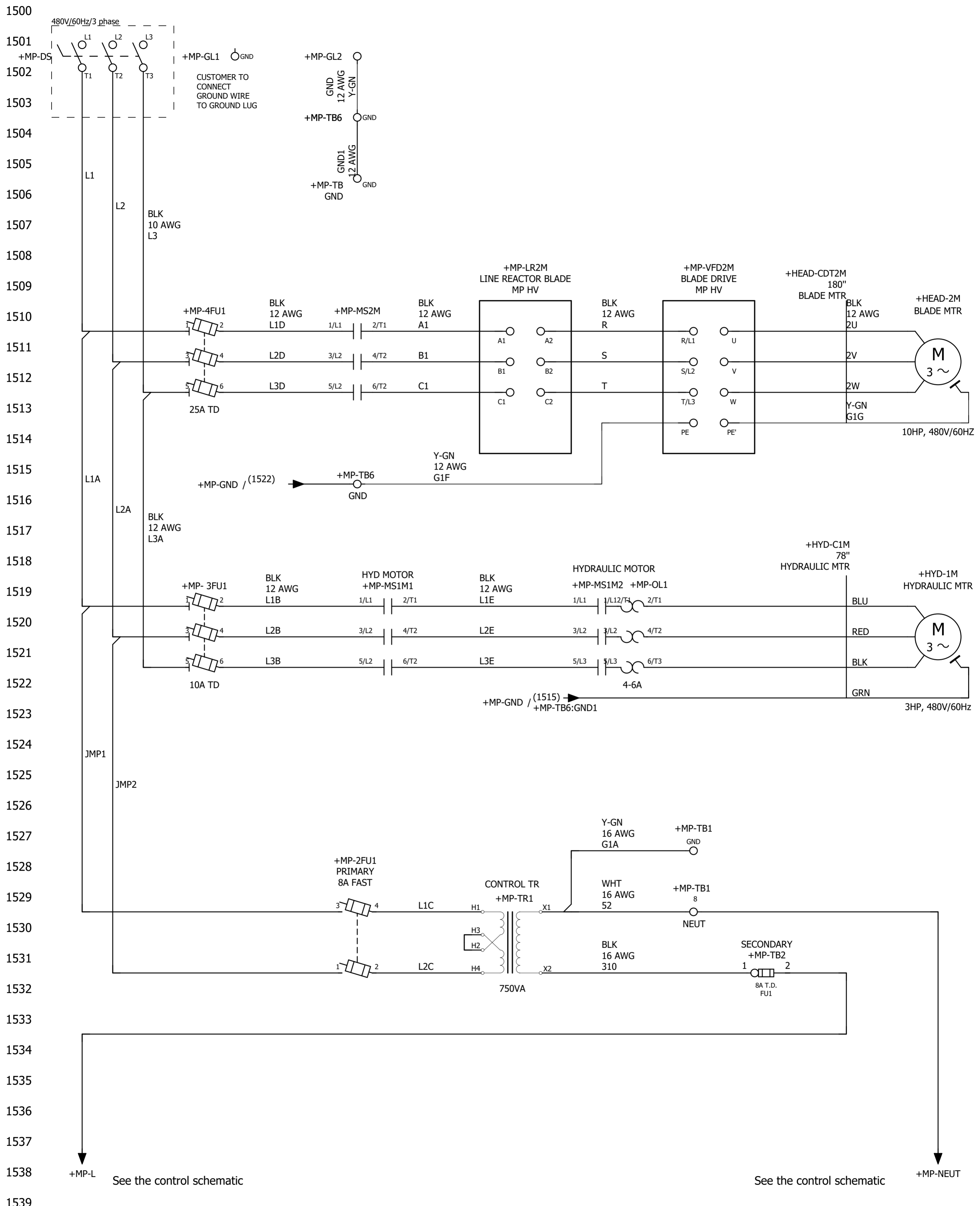




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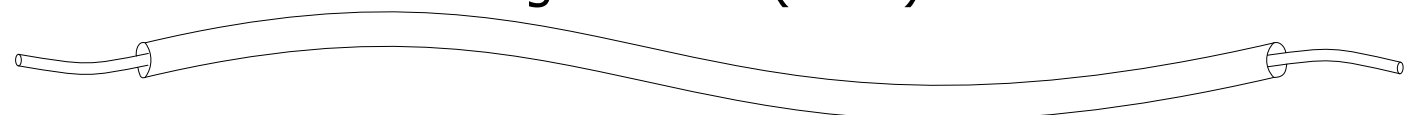
ECN Number:	01695
Project description	H18A-480V/60Hz Option
Schematic #	H18A-7-00-480-1
Manufacturer (company)	HYD-MECH CANADA
Path	
Project name	H18A-7-00-480-1
Make	H18A
Type	
Place of installation	
Responsible for project	WA
Part feature	
Created on	10/22/19
Edit date	12/04/19
	by (short name) wabdou
	Number of pages 20



from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TR1:H2			Conductor / wire		+MP-TR1:H3			1529		
+MP-TB1:8		52	16 AWG WHT	373220	+MP-TR1:X1			1529	T/T	22"
+MP-TB2:FU1:1		310	16 AWG BLK	373135	+MP-TR1:X2			1531	T/T	23"
+MP-LR2M:A1		A1	12 AWG BLK	373125	+MP-MS2M:2/T1	110VAC		1510	T/T	28"
+MP-LR2M:B1		B1	12 AWG BLK	373125	+MP-MS1M:4/T2	110VAC		1511	T/T	28"
+MP-LR2M:C1		C1	12 AWG BLK	373125	+MP-MS1M:6/T2	110VAC		1512	T/T	28"
+MP-TB1:GND		G1A	16 AWG Y-GN	373170	+MP-TR1:X1			1527	T/T	22"
+MP-TB6:GND1		G1F	12 AWG Y-GN	373160	+MP-VFD2M:PE			1515	T/T	17"
+MP-GL2		GND	12 AWG Y-GN	373160	+MP-TB6:GND			1501	T/T	15"
+MP-TB:GND		GND1	12 AWG Y-GN	373160	+MP-TB6:GND			1505	T/T	23"
+MP-2FU1:3		JMP1	12 AWG BLK	373125	+MP-3FU1:1	10A TD		1529	T/T	
+MP-2FU1:1		JMP2	12 AWG BLK	373125	+MP-3FU1:3	10A TD		1529	T/T	
+MP-DS:T1		L1	10 AWG BLK	373120	+MP-4FU1:1	25A TD		1501	T/T	7"
+MP-3FU1:1		L1A	12 AWG BLK	373125	+MP-4FU1:1	25A TD		1519	T/T	7"
+MP-3FU1:2		L1B	12 AWG BLK	373125	+MP-MS1M1:1/L1	110VAC		1519	T/T	18"
+MP-2FU1:4		L1C	14 AWG BLK	373187	+MP-TR1:H1			1529	T/RT	7"
+MP-4FU1:2		L1D	12 AWG BLK	373125	+MP-MS2M:1/L1	110VAC		1510	T/T	8"
+MP-MS1M1:2/T1		L1E	12 AWG BLK	373125	+MP-MS1M2:1/L1	110VAC		1519	T/T	7"
+MP-DS:T2		L2	10 AWG BLK	373120	+MP-4FU1:3	25A TD		1501	T/T	8"
+MP-3FU1:3		L2A	12 AWG BLK	373125	+MP-4FU1:3	25A TD		1519	T/T	7"
+MP-3FU1:4		L2B	12 AWG BLK	373125	+MP-MS1M:3/L2	110VAC		1519	T/T	17"
+MP-2FU1:2		L2C	14 AWG BLK	373187	+MP-TR1:H4			1529	T/RT	7"
+MP-4FU1:4		L2D	12 AWG BLK	373125	+MP-MS1M:3/L2	110VAC		1510	T/T	8"
+MP-MS1M:3/L2		L2E	12 AWG BLK	373125	+MP-MS1M:4/T2	110VAC		1520	T/T	7"
+MP-DS:T3		L3	10 AWG BLK	373120	+MP-4FU1:5	25A TD		1501	T/T	9"
+MP-3FU1:5		L3A	12 AWG BLK	373125	+MP-4FU1:5	25A TD		1519	T/T	7"
+MP-3FU1:6		L3B	12 AWG BLK	373125	+MP-MS1M:5/L2	110VAC		1519	T/T	16"
+MP-4FU1:6		L3D	12 AWG BLK	373125	+MP-MS1M:5/L2	110VAC		1510	T/T	8"
+MP-MS1M:5/L3		L3E	12 AWG BLK	373125	+MP-MS1M:6/T2	110VAC		1521	T/T	7"
+MP-LR2M:A2		R	12 AWG BLK	373125	+MP-VFD2M:R/L1			1510	T/T	31"
+MP-LR2M:B2		S	12 AWG BLK	373125	+MP-VFD2M:S/L2			1511	T/T	31"
+MP-LR2M:C2		T	12 AWG BLK	373125	+MP-VFD2M:T/L3			1512	T/T	31"



0 1 2 3 4 5 6 7 8 9



from	Cable	Wire	Wire des./definition	Parts From, Wire, To	More info.				
					Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-OL1:2/T1	+HYD-C1M		BLU 0.00 AWG Conductor / wire	+HYD-1M:1T1			1519	T/T	78"
+MP-OL1:4/T2	+HYD-C1M		RED 0.00 AWG Conductor / wire	+HYD-1M:1T2			1519	T/T	78"
+MP-OL1:6/T3	+HYD-C1M		BLK 0.00 AWG Conductor / wire	+HYD-1M:1T3			1519	T/T	78"

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from

	Length x mm²(AWG) color			Parts From, Wire, To	to
	Cable	Wire	Wire des./definition		
+MP-VFD2M:U	+HEAD-CDT2M	2U	12 AWG BLK Conductor / wire	373125	+HEAD-2M:2U
+MP-VFD2M:V	+HEAD-CDT2M	2V	12 AWG BLK Conductor / wire	373125	+HEAD-2M:2V
+MP-VFD2M:W	+HEAD-CDT2M	2W	12 AWG BLK Conductor / wire	373125	+HEAD-2M:2W
+MP-VFD2M:PE'	+HEAD-CDT2M	G1G	0.00 AWG Y-GN Conductor / wire	373160	+HEAD-2M

More info				
Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
		1510	RT/T	198"
		1511	RT/T	198"
		1512	RT/T	198"
		1513	RT/T	198"

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# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HYD-C1M	370210	78"	4	Cable, Yellow Jacket 14-4C Sto	HYDRAULIC MTR

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1301



# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HEAD-CDT2M	370320	180"		Conduit, Metal, 1/2 in.	BLADE MTR

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1700



0 1 2 3 4 5 6 7 8 9

# Parts usage indication

Part number	Qty	Designation	DT	Function text
373120	1	Wire, 10 Awg / 19, T90, Black		
	1			
	1			
373125	1	Wire, 12 Awg / 19, T90, Black		
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
373187	1	Wire 14 Awg / 19 T90 Black ***		
	1			
373160	1	Wire, 12 Awg / 19, T90, Green-Yellow		
	1			
	1			
373135	1	Wire, 16 Awg / 26, TEW, Black		
373220	1	Wire, 16 Awg / 26, TEW, White		
373170	1	Wire, 16 Awg / 26, TEW, Green-Yellow Str		

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3001



Parts list:



# Parts usage indication

Part number	Qty	Designation		DT	Function text
370210	1	Cable, Yellow Jacket 14-4C Sto		+HYD-C1M	HYDRAULIC MTR
392365	2	Label Cord 0.75 x 1.5		+HYD-C1M	=
371912	1	Motor Electric PE 3 Hp 230/460/3/60 1800 Rpm	182TC**	+HYD-1M	=

H18A-480V/60Hz Option  
H18A-7-00-480-1  
ECN: 01695

HYD-MECH CANADA  
P.O. BOX 1659  
WOODSTOCK, ON



Parts list:

Modification date 11/08/19  
Modified by wabdou

Check.  
Form DIN\_TNP\_30\_CUSTOMER R5

# Parts usage indication

Part number	Qty	Designation		DT	Function text
370320	1	Conduit, Metal, 1/2 in.		+HEAD-CDT2M	BLADE MTR
370425	1	Connector, Conduit, 1/2"	Metal, 90 Deg Fixed, LT	+HEAD-CDT2M	=
370470	1	Connector, Conduit, 1/2" Metal	Metal, Straight, LT	+HEAD-CDT2M	=
373125	1	Wire, 12 Awg / 19, T90, Black		+HEAD-CDT2M	
	1			+HEAD-CDT2M	
	1			+HEAD-CDT2M	
373160	1	Wire, 12 Awg / 19, T90, Green-Yellow		+HEAD-CDT2M	
392365	2	Label Cord 0.75 x 1.5		+HEAD-CDT2M	BLADE MTR
392375	8	Label, Self Laminating Vinyl, 0.5"x0.75"	Laser, Brady, Used on	+HEAD-CDT2M	=
342494	1	Gearmotor, 10 HP, A503, Compact,	<del>330V, 3 Phase, 60Hz</del> 330V, 3 Phase, 60Hz	+HEAD-2M	=



# Parts usage indication

Part number	Qty	Designation		DT	Function text
370835	1	Disconnect Handle, 30 & 60 Amp		+MP-DS	
370905	1	Disconnect, Metal Shaft Extension		+MP-DS	
370870	1	Disconnect, Switch, 30 Amp Non Fusible		+MP-DS	
371200	1	Fuse Block, 2-Pole, 600V, 30A		+MP-2FU1	PRIMARY
371280	2	Fuse, Fast Acting, 8 Amp, 600V		+MP-2FU1	=
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-3FU1	
371370	3	Fuse, Time Delay, 10 Amp, 600V	Class CC, ATDR	+MP-3FU1	
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-4FU1	BADE MOTOR
371395	3	Fuse, Time Delay, 25 Amp, 600V	Class CC, ATDR	+MP-4FU1	=
372740	1	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL1	
372740	1	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL2	
371815	1	Line Reactor, 10HP 480V,	5% Impedance	+MP-LR2M	LINE REACTOR BLADE
370616	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	Coil 110 V AC AC	+MP-MS1M1	HYD MOTOR
370616	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	CONTACTOR AC 10HP	+MP-MS1M2	HYDRAULIC MOTOR
370621	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 18 A, Coil 110 V AC	CONTACTOR AC 15HP	+MP-MS2M	BADE MOTOR
372106	1	TOR - 4...6 A	600V, 10A 50/60HZ	+MP-OL1	HYD.
371044	1	End cover	COIL	+MP-TB6	GND
372805	1	Earth terminal	Terminal Pe 16-6 Awg	+MP-TB6:GND1	=
	1		Wkn10/Slu	+MP-TB6:GND	
372755	1	Terminal Markers, Marcom		+MP-TB6:GND1	GND
	1			+MP-TB6:GND	
372920	1	Transformer, 750VA, 240V-480V, / 120V	50/60Hz, Type T	+MP-TR1	CONTROL TR
373085	2	Transformer, Terminal Cover, 500VA +		+MP-TR1	=
371648	1	Inverter enclosed type(IP20)	10HP 480V MICRO	+MP-VFD2M	BLADE DRIVE

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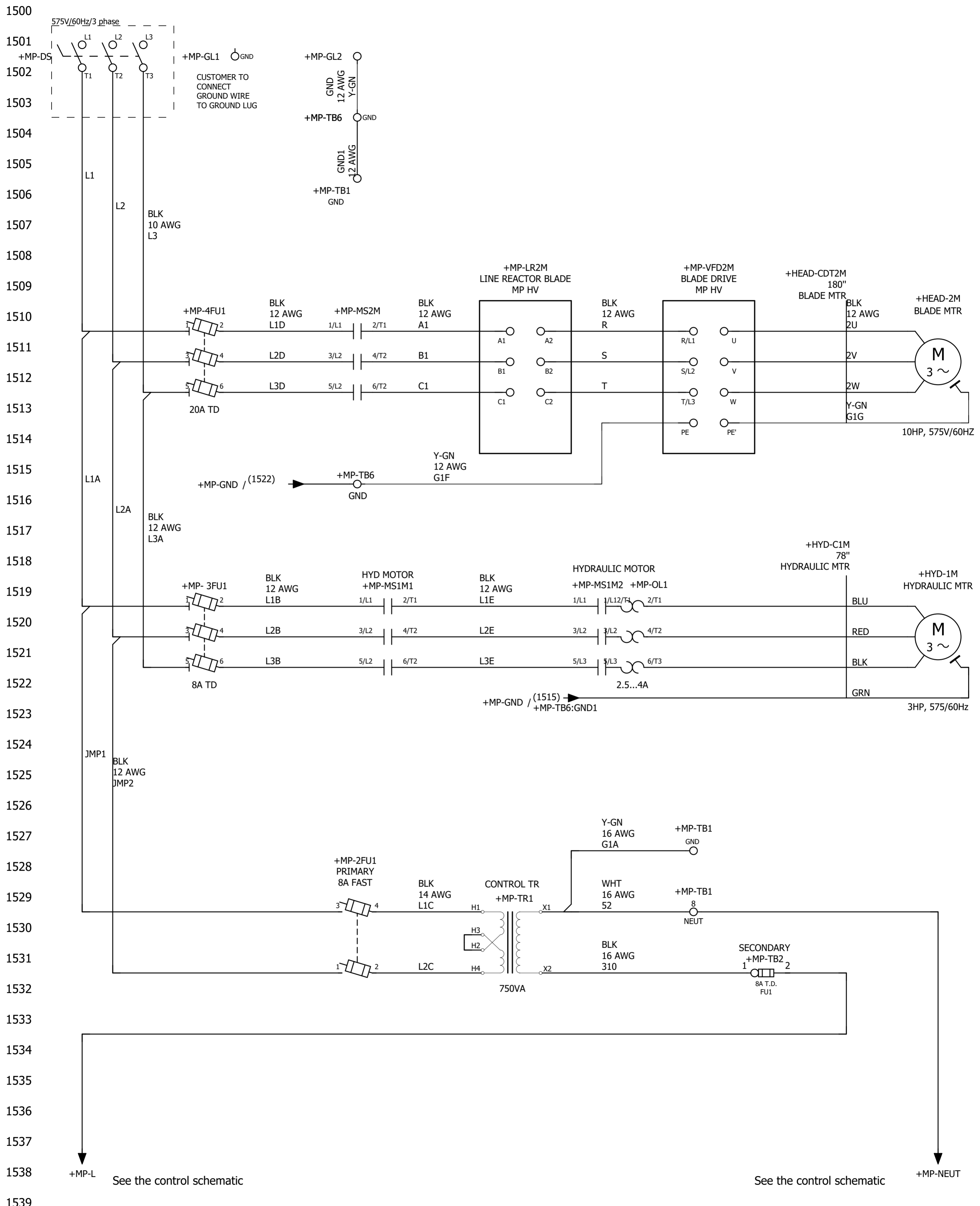


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 WOODSTOCK, ON  
 N4S 0A9  
 CANADA  
 Phone. 1-877-237-0914



ECN Number:	01742
Project description	H18A-575V/60Hz Option
Schematic #	H18A-7-00-575-1
Manufacturer (company)	HYD-MECH CANADA
Path	
Project name	H18A-7-00-600-1
Make	H18A
Type	
Place of installation	
Responsible for project	WA
Part feature	
Created on	11/20/19
Edit date	12/04/19
by (short name)	wabdou
Number of pages	20



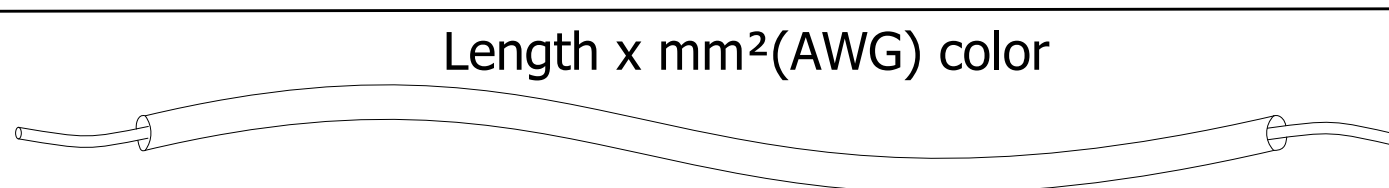


from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TR1:H2			Conductor / wire		+MP-TR1:H3			1529		
+MP-TB1:8		52	16 AWG WHT	373220	+MP-TR1:X1			1529	T/T	22"
+MP-TB2:FU1:1		310	16 AWG BLK	373135	+MP-TR1:X2			1531	T/T	23"
+MP-LR2M:A1		A1	12 AWG BLK	373125	+MP-MS2M:2/T1	110VAC		1510	T/T	28"
+MP-LR2M:B1		B1	12 AWG BLK	373125	+MP-MS1M:4/T2	110VAC		1511	T/T	28"
+MP-LR2M:C1		C1	12 AWG BLK	373125	+MP-MS1M:6/T2	110VAC		1512	T/T	28"
+MP-TB1:GND		G1A	16 AWG Y-GN	373170	+MP-TR1:X1			1527	T/T	22"
+MP-TB6:GND1		G1F	12 AWG Y-GN	373160	+MP-VFD2M:PE			1515	T/T	17"
+MP-GL2		GND	12 AWG Y-GN	373160	+MP-TB6:GND			1501	T/T	15"
+MP-TB1:GND		GND1	12 AWG Y-GN	373160	+MP-TB6:GND			1505	T/T	23"
+MP-2FU1:3		JMP1	14 AWG BLK	373187	+MP-3FU1:1	8A TD		1529	T/T	
+MP-2FU1:1		JMP2	12 AWG BLK	373125	+MP-3FU1:3	8A TD		1529	T/T	
+MP-DS:T1		L1	10 AWG BLK	373120	+MP-4FU1:1	20A TD		1501	T/T	7"
+MP-3FU1:1		L1A	12 AWG BLK	373125	+MP-4FU1:1	20A TD		1519	T/T	7"
+MP-3FU1:2		L1B	12 AWG BLK	373125	+MP-MS1M1:1/L1	110VAC		1519	T/T	18"
+MP-2FU1:4		L1C	14 AWG BLK	373187	+MP-TR1:H1			1529	T/RT	7"
+MP-4FU1:2		L1D	12 AWG BLK	373125	+MP-MS2M:1/L1	110VAC		1510	T/T	8"
+MP-MS1M1:2/T1		L1E	12 AWG BLK	373125	+MP-MS1M2:1/L1	110VAC		1519	T/T	7"
+MP-DS:T2		L2	10 AWG BLK	373120	+MP-4FU1:3	20A TD		1501	T/T	8"
+MP-3FU1:3		L2A	12 AWG BLK	373125	+MP-4FU1:3	20A TD		1519	T/T	7"
+MP-3FU1:4		L2B	12 AWG BLK	373125	+MP-MS1M:3/L2	110VAC		1519	T/T	17"
+MP-2FU1:2		L2C	14 AWG BLK	373187	+MP-TR1:H4			1529	T/RT	7"
+MP-4FU1:4		L2D	12 AWG BLK	373125	+MP-MS1M:3/L2	110VAC		1510	T/T	8"
+MP-MS1M:3/L2		L2E	12 AWG BLK	373125	+MP-MS1M:4/T2	110VAC		1520	T/T	7"
+MP-DS:T3		L3	10 AWG BLK	373120	+MP-4FU1:5	20A TD		1501	T/T	9"
+MP-3FU1:5		L3A	12 AWG BLK	373125	+MP-4FU1:5	20A TD		1519	T/T	7"
+MP-3FU1:6		L3B	12 AWG BLK	373125	+MP-MS1M:5/L2	110VAC		1519	T/T	16"
+MP-4FU1:6		L3D	12 AWG BLK	373125	+MP-MS1M:5/L2	110VAC		1510	T/T	8"
+MP-MS1M:5/L3		L3E	12 AWG BLK	373125	+MP-MS1M:6/T2	110VAC		1521	T/T	7"
+MP-LR2M:A2		R	12 AWG BLK	373125	+MP-VFD2M:R/L1			1510	T/T	31"
+MP-LR2M:B2		S	12 AWG BLK	373125	+MP-VFD2M:S/L2			1511	T/T	31"
+MP-LR2M:C2		T	12 AWG BLK	373125	+MP-VFD2M:T/L3			1512	T/T	31"



from	Cable	Wire	Length x mm <sup>2</sup> (AWG) color	Wire des./definition	Parts From, Wire, To	More info				
						Jumper	Conducto	Page	Conductor End	LENGTH (Inches)
+MP-OL1:2/T1	+HYD-C1M			BLU 0.00 AWG Conductor / wire	+HYD-1M:1T1			1519	T/T	78"
+MP-OL1:4/T2	+HYD-C1M			RED 0.00 AWG Conductor / wire	+HYD-1M:1T2			1519	T/T	78"
+MP-OL1:6/T3	+HYD-C1M			BLK 0.00 AWG Conductor / wire	+HYD-1M:1T3			1519	T/T	78"



from	Cable	Wire	Wire des./definition	Parts From, Wire, To	to	More info.				
						Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-VFD2M:U	+HEAD-CDT2M	2U	BLK 12 AWG Conductor / wire	373125	+HEAD-2M:2U			1510	RT/T	198"
+MP-VFD2M:V	+HEAD-CDT2M	2V	BLK 12 AWG Conductor / wire	373125	+HEAD-2M:2V			1511	RT/T	198"
+MP-VFD2M:W	+HEAD-CDT2M	2W	BLK 12 AWG Conductor / wire	373125	+HEAD-2M:2W			1512	RT/T	198"
+MP-VFD2M:PE'	+HEAD-CDT2M	G1G	Y-GN 12 AWG Conductor / wire	373160	+HEAD-2M			1513	RT/T	198"





# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HYD-C1M	370210	78"	4	Cable, Yellow Jacket 14-4C Sto	HYDRAULIC MTR

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1301



# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HEAD-CDT2M	370320	180"		Conduit, Metal, 1/2 in.	BLADE MTR



# Parts usage indication

Part number	Qty	Designation	DT	Function text
373120	1	Wire, 10 Awg / 19, T90, Black		
	1			
	1			
373125	1	Wire, 12 Awg / 19, T90, Black		
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
373187	1	Wire 14 Awg / 19 T90 Black ***		
	1			
	1			
373160	1	Wire, 12 Awg / 19, T90, Green-Yellow		
	1			
	1			
373135	1	Wire, 16 Awg / 26, TEW, Black		
373220	1	Wire, 16 Awg / 26, TEW, White		
373170	1	Wire, 16 Awg / 26, TEW, Green-Yellow Str		

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3001



# Parts usage indication

Part number	Qty	Designation	DT	Function text
370320	1	Conduit, Metal, 1/2 in.	+HEAD-CDT2M	BLADE MTR
370425	1	Connector, Conduit, 1/2"	+	=
370470	1	Connector, Conduit, 1/2" Metal	+HEAD-CDT2M	=
373125	1	Wire, 12 Awg / 19, T90, Black	+HEAD-CDT2M	
	1		+HEAD-CDT2M	
	1		+HEAD-CDT2M	
373160	1	Wire, 12 Awg / 19, T90, Green-Yellow	+HEAD-CDT2M	
392365	2	Label Cord 0.75 x 1.5	+HEAD-CDT2M	BLADE MTR
392375	8	Label, Self Laminating Vinyl, 0.5"x0.75"	+HEAD-CDT2M	=
342501	1	Gearmotor, 10 HP, A503, Compact,	575V 3 Phase, 60Hz	=



# Parts usage indication

Part number	Qty	Designation		DT	Function text
370835	1	Disconnect Handle, 30 & 60 Amp		+MP-DS	
370905	1	Disconnect, Metal Shaft Extension		+MP-DS	
370870	1	Disconnect, Switch, 30 Amp Non Fusible		+MP-DS	
371200	1	Fuse Block, 2-Pole, 600V, 30A		+MP-2FU1	PRIMARY
371280	2	Fuse, Fast Acting, 8 Amp, 600V		+MP-2FU1	=
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-3FU1	
371430	3	Fuse, Time Delay, 8 Amp, 600V	Class CC, ATDR	+MP-3FU1	
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-4FU1	BADE MOTOR
371390	3	Fuse, Time Delay, 20 Amp, 600V	Class CC, ATDR	+MP-4FU1	=
372740	1	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL1	
372740	1	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL2	
371820	1	Line Reactor, 7.5HP 480V,	10 HP 575V, 5%	+MP-LR2M	LINE REACTOR BLADE
370616	1	Contactor TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	Contactor AC AC	+MP-MS1M1	HYD MOTOR
370616	1	Contactor TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	CONTACTOR AC 10HP	+MP-MS1M2	HYDRAULIC MOTOR
370616	1	Contactor TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	CONTACTOR AC 10HP	+MP-MS2M	BADE MOTOR
372101	1	TOR - 2.5...4 A	CONTACTOR 30HP	+MP-OL1	HYD.
371044	1	End cover	600V, 110V 50/60HZ	+MP-TB6	GND
372805	1	Earth terminal	Terminal Pe 16-6 Awg	+MP-TB6:GND1	=
	1		Wkn10/Slu	+MP-TB6:GND	
372755	1	Terminal Markers, Marcom		+MP-TB6:GND1	GND
	1			+MP-TB6:GND	
372970	1	Transformer, 750VA, 600V / 120V,	50/60Hz, Type T	+MP-TR1	CONTROL TR
371491	1	Inverter enclosed type(IP20)		+MP-VFD2M	BLADE DRIVE
371719	1	LCD KEYPAD FOR 800 SERIES VFD		+MP-VFD2M	=

Next page





**HYD-MECH CANADA**  
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 Phone. 1-877-237-0914

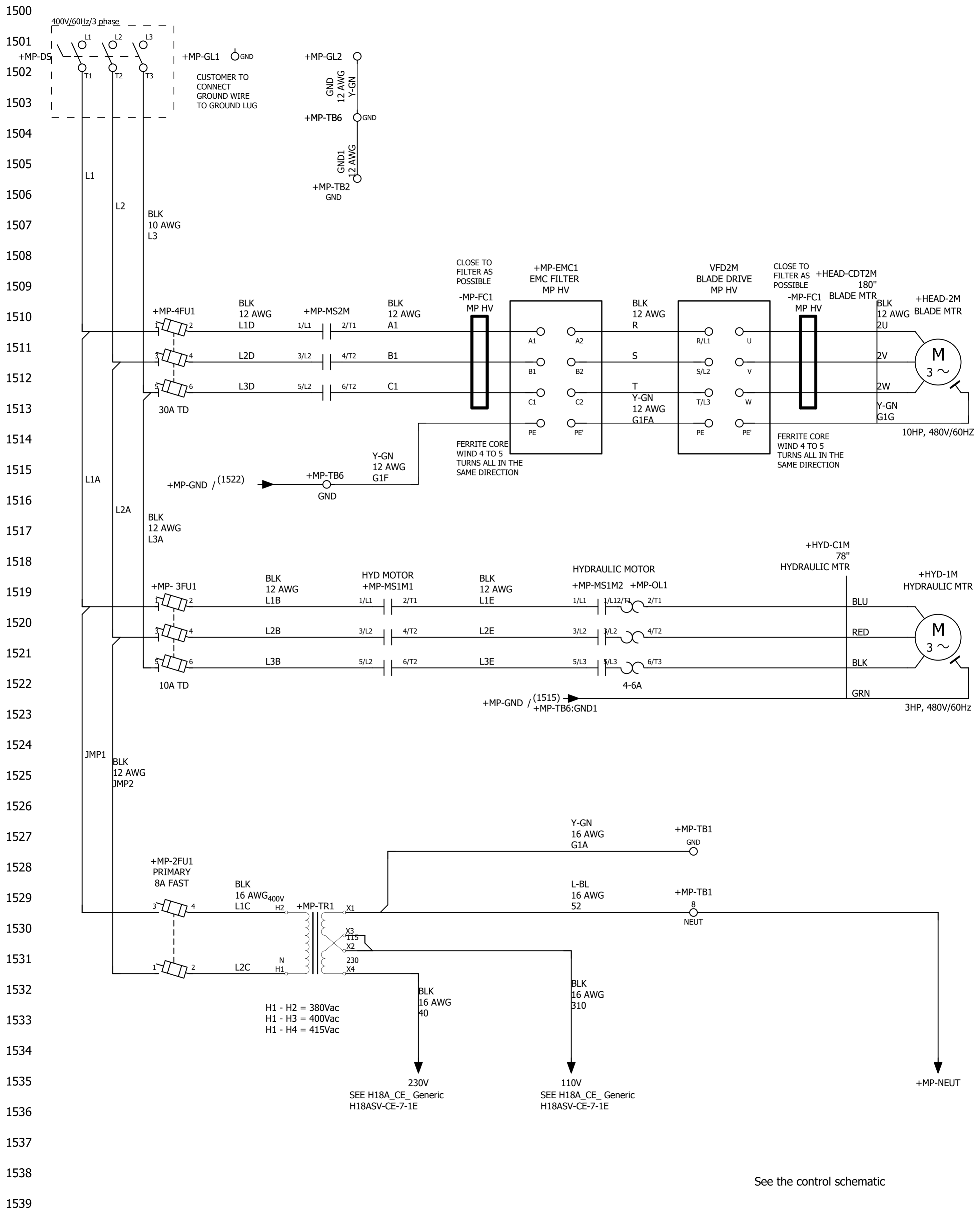


ECN Number:	01742
Project description	H18A-400V/50Hz Option
Schematic #	H18A-7-00-400-1
Manufacturer (company)	HYD-MECH CANADA
Path	
Project name	H18A-7-00-400V-1
Make	H18A
Type	
Place of installation	
Responsible for project	WA
Part feature	
Created on	11/25/19
Edit date	12/04/19
	by (short name) wabdou
	Number of pages 20

	MFG	PRODUCT MANUAL
PAGE TYPE	PAGES FROM	PAGE FROM
Title Page	1	1
Graphics	5	5
Schematic	15	15
Cable Diagram	1100	N/A
Cable Overview	1300	1300
Connection List	700	700
Parts List	300	3000
Summarized Parts List	1700	N/A







See the control schematic

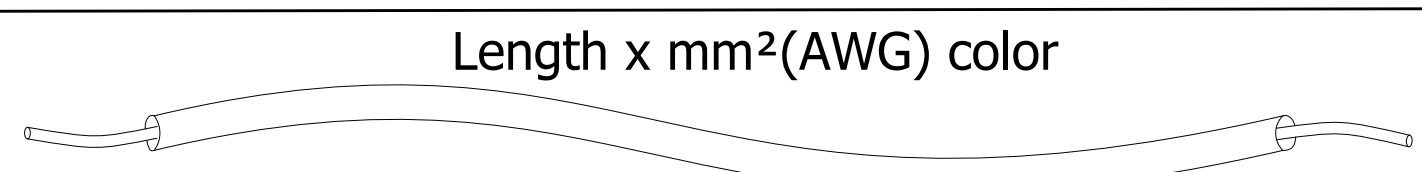
from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TB1:8		52	L-BL 16 AWG Conductor / wire	373200	+MP-TR1:X1			1529	T/T	22"
+MP-EMC1:A1		A1	BLK 12 AWG Conductor / wire	373125	+MP-MS2M:2/T1		110VAC	1510	T/T	28"
+MP-EMC1:B1		B1	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:4/T2		110VAC	1511	T/T	28"
+MP-EMC1:C1		C1	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:6/T2		110VAC	1512	T/T	28"
+MP-TB1:GND		G1A	Y-GN 16 AWG Conductor / wire	373170	+MP-TR1:X1			1527	T/T	
+MP-EMC1:PE		G1F	Y-GN 12 AWG Conductor / wire	373160	+MP-TB6:GND1			1513	T/T	17"
-VFD2M:PE		G1FA	Y-GN 12 AWG Conductor / wire	373160	+MP-EMC1:PE'			1513	T/RT	25"
+MP-GL2		GND	Y-GN 12 AWG Conductor / wire	373160	+MP-TB6:GND			1501	T/T	15"
+MP-TB2:GND		GND1	Y-GN 12 AWG Conductor / wire	373160	+MP-TB6:GND			1505	T/T	23"
+MP-2FU1:3		JMP1	BLK 12 AWG Conductor / wire	373125	+MP-3FU1:1		10A TD	1529	T/T	5"
+MP-2FU1:1		JMP2	BLK 12 AWG Conductor / wire	373125	+MP-3FU1:3		10A TD	1529	T/T	5"
+MP-DS:T1		L1	BLK 10 AWG Conductor / wire	373120	+MP-4FU1:1		30A TD	1501	T/T	7"
+MP-3FU1:1		L1A	BLK 12 AWG Conductor / wire	373125	+MP-4FU1:1		30A TD	1519	T/T	7"
+MP-3FU1:2		L1B	BLK 12 AWG Conductor / wire	373125	+MP-MS1M1:1/L1		110VAC	1519	T/T	18"
+MP-2FU1:4		L1C	BLK 16 AWG Conductor / wire	373135	+MP-TR1:H2			1529	T/RT	7"
+MP-4FU1:2		L1D	BLK 12 AWG Conductor / wire	373125	+MP-MS2M:1/L1		110VAC	1510	T/T	8"
+MP-MS1M1:2/T1		L1E	BLK 12 AWG Conductor / wire	373125	+MP-MS1M2:1/L1		110VAC	1519	T/T	7"
+MP-DS:T2		L2	BLK 10 AWG Conductor / wire	373120	+MP-4FU1:3		30A TD	1501	T/T	8"
+MP-3FU1:3		L2A	BLK 12 AWG Conductor / wire	373125	+MP-4FU1:3		30A TD	1519	T/T	7"
+MP-3FU1:4		L2B	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:3/L2		110VAC	1519	T/T	17"
+MP-2FU1:2		L2C	BLK 16 AWG Conductor / wire	373135	+MP-TR1:H1			1529	T/RT	
+MP-4FU1:4		L2D	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:3/L2		110VAC	1510	T/T	8"
+MP-MS1M:3/L2		L2E	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:4/T2		110VAC	1520	T/T	7"
+MP-DS:T3		L3	BLK 10 AWG Conductor / wire	373120	+MP-4FU1:5		30A TD	1501	T/T	9"
+MP-3FU1:5		L3A	BLK 12 AWG Conductor / wire	373125	+MP-4FU1:5		30A TD	1519	T/T	7"
+MP-3FU1:6		L3B	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:5/L2		110VAC	1519	T/T	16"
+MP-4FU1:6		L3D	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:5/L2		110VAC	1510	T/T	8"
+MP-MS1M:5/L3		L3E	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:6/T2		110VAC	1521	T/T	7"
-VFD2M:R/L1		R	BLK 12 AWG Conductor / wire	373125	+MP-EMC1:A2			1510	T/T	31"
-VFD2M:S/L2		S	BLK 12 AWG Conductor / wire	373125	+MP-EMC1:B2			1511	T/T	31"
-VFD2M:T/L3		T	BLK 12 AWG Conductor / wire	373125	+MP-EMC1:C2			1512	T/T	31"



from	Length x mm <sup>2</sup> (AWG) color			Parts From, Wire, To	to	More info				
	Cable	Wire	Wire des./definition			Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-OL1:2/T1	+HYD-C1M		0.00 AWG BLU Conductor / wire		+HYD-1M:1T1			1519	T/T	78"
+MP-OL1:4/T2	+HYD-C1M		0.00 AWG RED Conductor / wire		+HYD-1M:1T2			1519	T/T	78"
+MP-OL1:6/T3	+HYD-C1M		0.00 AWG BLK Conductor / wire		+HYD-1M:1T3			1519	T/T	78"

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from	Length x mm²(AWG) color 			Parts From, Wire, To	to	More info.				
	Cable	Wire	Wire des./definition			Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
-VFD2M:U	+HEAD-CDT2M	2U	12 AWG BLK Conductor / wire	373125	+HEAD-2M:2U			1510	RT/T	198"
-VFD2M:V	+HEAD-CDT2M	2V	12 AWG BLK Conductor / wire	373125	+HEAD-2M:2V			1511	RT/T	198"
-VFD2M:W	+HEAD-CDT2M	2W	12 AWG BLK Conductor / wire	373125	+HEAD-2M:2W			1512	RT/T	198"
-VFD2M:PE'	+HEAD-CDT2M	G1G	0.00 AWG Y-GN Conductor / wire	373160	+HEAD-2M			1513	RT/T	198"



# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HYD-C1M	370210	78"	4	Cable, Yellow Jacket 14-4C Sto	HYDRAULIC MTR

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1301



# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HEAD-CDT2M	370320	180"		Conduit, Metal, 1/2 in.	BLADE MTR



# Parts usage indication

Part number	Qty	Designation	DT	Function text
373120	1	Wire, 10 Awg / 19, T90, Black		
	1			
	1			
373125	1	Wire, 12 Awg / 19, T90, Black		
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
373160	1	Wire, 12 Awg / 19, T90, Green-Yellow		
	1			
	1			
	1			
373135	1	Wire, 16 Awg / 26, TEW, Black		
	1			
373170	1	Wire, 16 Awg / 26, TEW, Green-Yellow Str		
373200	1	Wire, 16 Awg / 26, TEW, Light Blue		
372875	1	Toroid (Ferrite Toroid Core)	-MP-FC1	
	1		-MP-FC1	
371648	1	Inverter enclosed type(IP20)	10HP 480V MICRO	BLADE DRIVE

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# Parts usage indication

Part number	Qty	Designation	DT	Function text
370210	1	Cable, Yellow Jacket 14-4C Sto	+HYD-C1M	HYDRAULIC MTR
392365	2	Label Cord 0.75 x 1.5	+HYD-C1M	=
371986	1	Motor, Electric, PE III, 3 HP, 400V,	1500 Rpm , 182TC, 50HZ +HYD-1M	=

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# Parts usage indication

Part number	Qty	Designation		DT	Function text
370835	1	Disconnect Handle, 30 & 60 Amp		+MP-DS	
370905	1	Disconnect, Metal Shaft Extension		+MP-DS	
370870	1	Disconnect, Switch, 30 Amp Non Fusible		+MP-DS	
371171	1	Filter, VFD, 5.5K (7.5 HP) To 7.5K (10 HP)		+MP-EMC1	EMC FILTER
371200	1	Fuse Block, 2-Pole, 600V, 30A		+MP-2FU1	PRIMARY
371240	2	Fuse, Fast Acting, 10 Amp, 600V		+MP-2FU1	=
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-3FU1	
371370	3	Fuse, Time Delay, 10 Amp, 600V	Class CC, ATDR	+MP-3FU1	
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-4FU1	BADE MOTOR
371400	3	Fuse, Time Delay, 30 Amp, 600V	Class CC, ATDR	+MP-4FU1	=
372740	1	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL1	
372740	1	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL2	
370616	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	Coil 110 V AC AC	+MP-MS1M1	HYD MOTOR
370616	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	CONTACTOR AC 10HP	+MP-MS1M2	HYDRAULIC MOTOR
370621	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 18 A, Coil 110 V AC	CONTACTOR AC 15HP	+MP-MS2M	BADE MOTOR
372106	1	TOR - 4...6 A	600V, 10A, 50/60HZ	+MP-OL1	HYD.
371044	1	End cover	COIL	+MP-TB6	GND
372805	1	Earth terminal	Terminal Pe 16-6 Awg	+MP-TB6:GND1	=
	1		Wkn10/Slu	+MP-TB6:GND	
372755	1	Terminal Markers, Marcom		+MP-TB6:GND1	GND
	1			+MP-TB6:GND	
373318	1	Transformer, 1KVA, 380-400-415 / 120V	50/60Hz, Type T	+MP-TR1	TRANSFORMER
373085	2	Transformer, Terminal Cover, 500VA +		+MP-TR1	=

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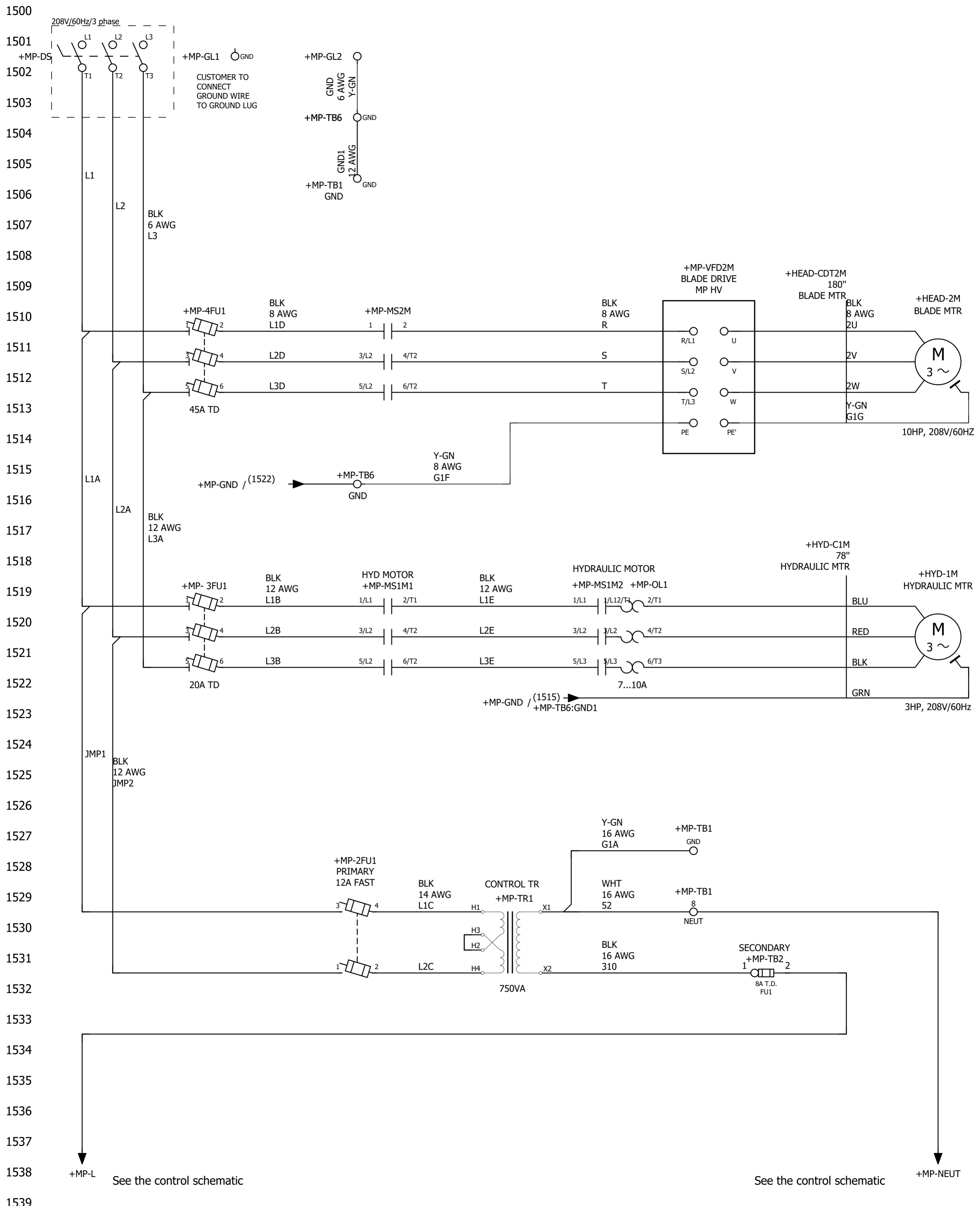




**HYD-MECH CANADA**  
 1079 PARKINSON ROAD  
 P.O. BOX 1659  
 WOODSTOCK, ON  
 N4S 0A9  
 CANADA  
 Phone. 1-877-237-0914



ECN Number:	01742		
Project description	H22-208V/60Hz Option		
Schematic #	H22A-7-00-208-1		
Manufacturer (company)	HYD-MECH CANADA		
Path			
Project name	H22A-7-00-208-1		
Make	H22A		
Type			
Place of installation			
Responsible for project	WA		
Part feature			
Created on	11/25/19		
Edit date	12/04/19	by (short name) wabdou	Number of pages 20



from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TR1:H2			Conductor / wire		+MP-TR1:H3			1529		
+MP-TB1:8		52	16 AWG WHT	373220	+MP-TR1:X1			1529	T/T	22"
+MP-TB2:FU1:1		310	16 AWG BLK	373135	+MP-TR1:X2			1531	T/T	23"
+MP-TB1:GND		G1A	16 AWG Y-GN	373170	+MP-TR1:X1			1527	T/T	22"
+MP-TB6:GND1		G1F	8 AWG Y-GN	373154	+MP-VFD2M:PE			1515	T/T	17"
+MP-GL2		GND	6 AWG Y-GN	373153	+MP-TB6:GND			1501	T/T	
+MP-TB1:GND		GND1	12 AWG Y-GN	373160	+MP-TB6:GND			1505	T/T	23"
+MP-2FU1:3		JMP1	12 AWG BLK	373125	+MP-3FU1:1	20A TD		1529	T/T	5"
+MP-2FU1:1		JMP2	12 AWG BLK	373125	+MP-3FU1:3	20A TD		1529	T/T	5"
+MP-DS:T1		L1	6 AWG BLK	373115	+MP-4FU1:1	45A TD		1501	T/T	7"
+MP-3FU1:1		L1A	12 AWG BLK	373125	+MP-4FU1:1	45A TD		1519	T/T	7"
+MP-3FU1:2		L1B	12 AWG BLK	373125	+MP-MS1M1:1/L1	110VAC		1519	T/T	18"
+MP-2FU1:4		L1C	14 AWG BLK	373187	+MP-TR1:H1			1529	T/RT	7"
+MP-4FU1:2		L1D	8 AWG BLK	373110	+MP-MS2M:1	110VAC		1510	T/T	8"
+MP-MS1M1:2/T1		L1E	12 AWG BLK	373125	+MP-MS1M2:1/L1	110VAC		1519	T/T	7"
+MP-DS:T2		L2	6 AWG BLK	373115	+MP-4FU1:3	45A TD		1501	T/T	8"
+MP-3FU1:3		L2A	12 AWG BLK	373125	+MP-4FU1:3	45A TD		1519	T/T	7"
+MP-3FU1:4		L2B	12 AWG BLK	373125	+MP-MS1M:3/L2	110VAC		1519	T/T	17"
+MP-2FU1:2		L2C	14 AWG BLK	373187	+MP-TR1:H4			1529	T/RT	7"
+MP-4FU1:4		L2D	8 AWG BLK	373110	+MP-MS1M:3/L2	110VAC		1510	T/T	8"
+MP-MS1M:3/L2		L2E	12 AWG BLK	373125	+MP-MS1M:4/T2	110VAC		1520	T/T	7"
+MP-DS:T3		L3	6 AWG BLK	373115	+MP-4FU1:5	45A TD		1501	T/T	9"
+MP-3FU1:5		L3A	12 AWG BLK	373125	+MP-4FU1:5	45A TD		1519	T/T	7"
+MP-3FU1:6		L3B	12 AWG BLK	373125	+MP-MS1M:5/L2	110VAC		1519	T/T	16"
+MP-4FU1:6		L3D	8 AWG BLK	373110	+MP-MS1M:5/L2	110VAC		1510	T/T	8"
+MP-MS1M:5/L3		L3E	12 AWG BLK	373125	+MP-MS1M:6/T2	110VAC		1521	T/T	7"
+MP-MS2M:2		R	8 AWG BLK	373110	+MP-VFD2M:R/L1			1510	T/RT	22"
+MP-MS1M:4/T2		S	8 AWG BLK	373110	+MP-VFD2M:S/L2			1511	T/RT	22"
+MP-MS1M:6/T2		T	8 AWG BLK	373110	+MP-VFD2M:T/L3			1512	T/RT	22"



from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-OL1:2/T1	+HYD-C1M		BLU 0.00 AWG Conductor / wire		+HYD-1M:1T1			1519	T/T	78"
+MP-OL1:4/T2	+HYD-C1M		RED 0.00 AWG Conductor / wire		+HYD-1M:1T2			1519	T/T	78"
+MP-OL1:6/T3	+HYD-C1M		BLK 0.00 AWG Conductor / wire		+HYD-1M:1T3			1519	T/T	78"



from	Length x mm <sup>2</sup> (AWG) color				Parts From, Wire, To	to	More info				
	Cable	Wire	Wire des./definition				Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-VFD2M:U	+HEAD-CDT2M	2U	BLK 8 AWG Conductor / wire		373110	+HEAD-2M:2U			1510	RT/T	198"
+MP-VFD2M:V	+HEAD-CDT2M	2V	BLK 8 AWG Conductor / wire		373110	+HEAD-2M:2V			1511	RT/T	198"
+MP-VFD2M:W	+HEAD-CDT2M	2W	BLK 8 AWG Conductor / wire		373110	+HEAD-2M:2W			1512	RT/T	198"
+MP-VFD2M:PE'	+HEAD-CDT2M	G1G	Y-GN 8 AWG Conductor / wire		373154	+HEAD-2M			1513	RT/T	180"



# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HYD-C1M	370210	78"	4	Cable, Yellow Jacket 14-4C Sto	HYDRAULIC MTR

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# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HEAD-CDT2M	370325	180"		Conduit, Metal, 3/4 in.	BLADE MTR



# Parts usage indication

Part number	Qty	Designation	DT	Function text
373115	1	Wire, 6 Awg / 19, Black		
	1			
	1			
373125	1	Wire, 12 Awg / 19, T90, Black		
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
373187	1	Wire 14 Awg / 19 T90 Black ***		
	1			
373110	1	Wire, 8 Awg / 19, Black		
	1			
	1			
	1			
	1			
373154	1	Wire, 8 Awg / 19, T90, Green/Yellow		
373160	1	Wire, 12 Awg / 19, T90, Green-Yellow		
373153	1	Wire, 6 Awg / 19, T90, Green/Yellow		
373135	1	Wire, 16 Awg / 26, TEW, Black		
373220	1	Wire, 16 Awg / 26, TEW, White		
373170	1	Wire, 16 Awg / 26, TEW, Green-Yellow Str		

0 1 2 3 4 5 6 7 8 9

# Parts usage indication

Part number	Qty	Designation		DT	Function text
370210	1	Cable, Yellow Jacket 14-4C Sto		+HYD-C1M	HYDRAULIC MTR
392365	2	Label Cord 0.75 x 1.5		+HYD-C1M	=
370490	2	Fitting, 3/4 mnpt liquid tight conn.		+HYD-C1M	=
371976	1	Motor Electric PE 3 Hp 208/60 1800 Rpm	182TC	+HYD-1M	=

H22-208V/60Hz Option  
H22A-7-00-208-1  
ECN: 01742

HYD-MECH CANADA  
P.O. BOX 1659  
WOODSTOCK, ON



Parts list:  
Modification date 11/25/19  
Modified by wabdou

Check.  
Form DIN\_TNP\_30\_CUSTOMER R5



# Parts usage indication

Part number	Qty	Designation		DT	Function text
370835	1	Disconnect Handle, 30 & 60 Amp		+MP-DS	
370905	1	Disconnect, Metal Shaft Extension		+MP-DS	
370865	1	Disconnect, Switch, 60 Amp Non Fusible		+MP-DS	
371200	1	Fuse Block, 2-Pole, 600V, 30A		+MP-2FU1	PRIMARY
371245	2	Fuse, Fast Acting, 12 Amp, 600V		+MP-2FU1	=
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-3FU1	
371390	3	Fuse, Time Delay, 20 Amp, 600V	Class CC, ATDR	+MP-3FU1	
373331	3	Fuse Block, 1-Pole, 600V, 60A,	CE, UL, CSA	+MP-4FU1	BADE MOTOR
371410	3	Fuse, Time Delay, 45 Amp, 600V	AJT	+MP-4FU1	=
815440	2	3 Pole assembly Kit (US6J FH)		+MP-4FU1	=
372740	1	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL1	
372740	2	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL2	
370616	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	Coil 110 V AC AC	+MP-MS1M1	HYD MOTOR
370616	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	CONTACTOR AC 10HP	+MP-MS1M2	HYDRAULIC MOTOR
370636	1	Contacteur, 120Vac, 50/60Hz, 15HP 208V	CONTACTOR AC 10HP	+MP-MS2M	BADE MOTOR
372116	1	TOR - 7...10 A	CONTACTOR AC 10HP	+MP-OL1	HYD.
371044	1	End cover	COIL	+MP-TB6	GND
372805	1	Earth terminal	Terminal Pe 16-6 Awg	+MP-TB6:GND1	=
	1		Wkn10/Slu	+MP-TB6:GND	
372755	1	Terminal Markers, Marcom		+MP-TB6:GND1	GND
	1			+MP-TB6:GND	
372900	1	Transformer, 750VA, 208V / 120V,	50/60Hz, Type T	+MP-TR1	CONTROL TR
371649	1	Inverter enclosed type(IP20)	10HP 240V MICRO	+MP-VFD2M	BLADE DRIVE

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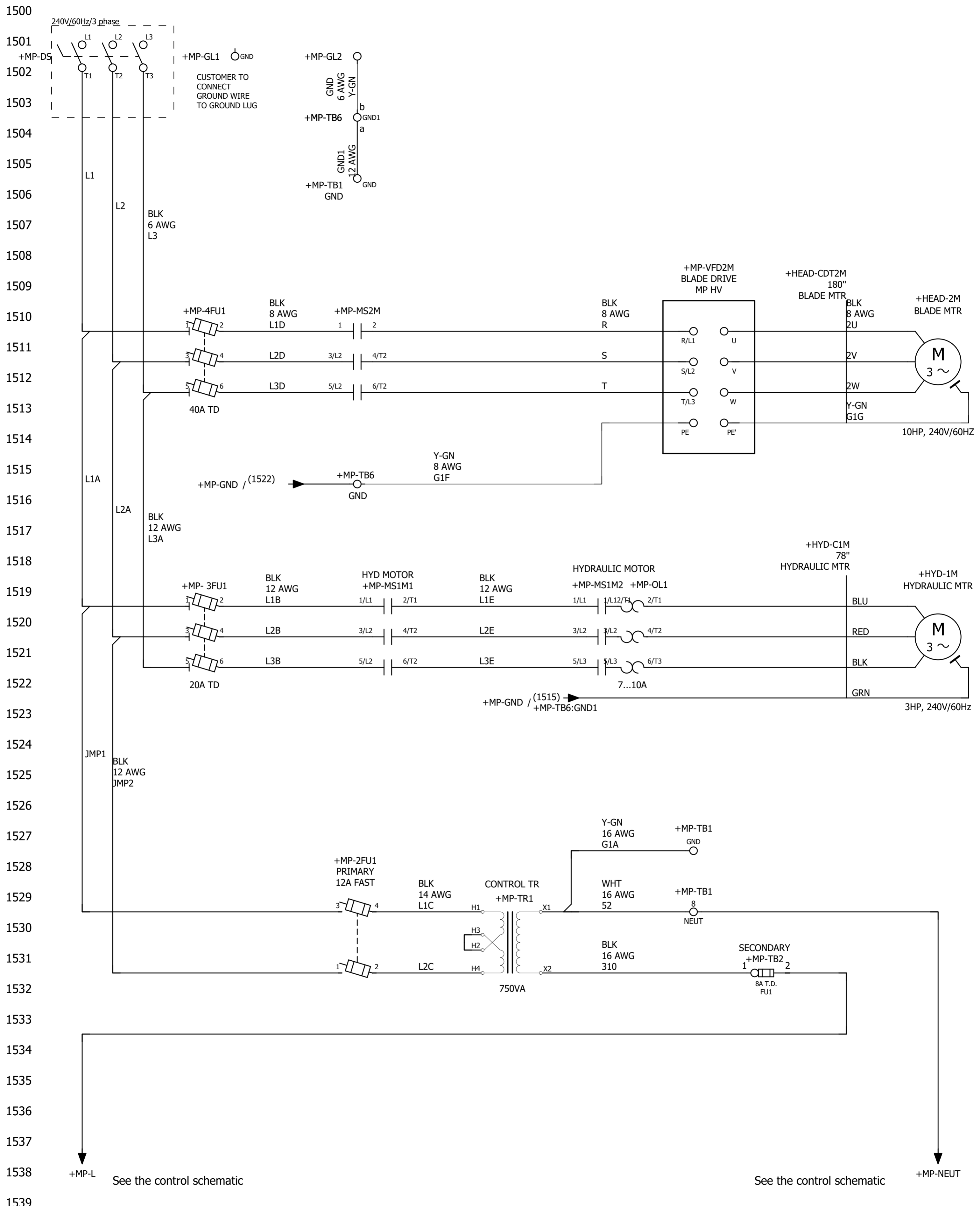


**HYD-MECH CANADA**  
 1079 PARKINSOM ROAD  
 P.O. BOX 1659  
 WOODSTOCK, ON  
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 CANADA  
 Phone. 1-877-237-0914



ECN Number:	01742		
Project description	H22SV Electrical Doc 240V/60Hz Option		
Schematic #	H22A-7-00-240-1		
Manufacturer (company)	HYD-MECH CANADA		
Path			
Project name	H22A-7-00-240-1		
Make	H22A		
Type			
Place of installation			
Responsible for project	WA		
Part feature			
Created on	11/25/19		
Edit date	12/04/19	by (short name) wabdou	Number of pages 20





from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TR1:H2			Conductor / wire		+MP-TR1:H3			1529		
+MP-TB1:8		52	16 AWG WHT Conductor / wire	373220	+MP-TR1:X1			1529	T/T	22"
+MP-TB2:FU1:1		310	16 AWG BLK Conductor / wire	373135	+MP-TR1:X2			1531	T/T	23"
+MP-TB1:GND		G1A	16 AWG Y-GN Conductor / wire	373170	+MP-TR1:X1			1527	T/T	22"
+MP-TB6:GND1		G1F	8 AWG Y-GN Conductor / wire	373154	+MP-VFD2M:PE			1515	T/T	17"
+MP-GL2		GND	6 AWG Y-GN Conductor / wire	373153	+MP-TB6:GND1:b			1501	T/T	15"
+MP-TB1:GND		GND1	12 AWG Y-GN Conductor / wire	373160	+MP-TB6:GND1:a			1505	T/T	23"
+MP-2FU1:3		JMP1	12 AWG BLK Conductor / wire	373125	+MP-3FU1:1	20A TD		1529	T/T	5"
+MP-2FU1:1		JMP2	12 AWG BLK Conductor / wire	373125	+MP-3FU1:3	20A TD		1529	T/T	5"
+MP-DS:T1		L1	6 AWG BLK Conductor / wire	373115	+MP-4FU1:1	40A TD		1501	T/T	7"
+MP-3FU1:1		L1A	12 AWG BLK Conductor / wire	373125	+MP-4FU1:1	40A TD		1519	T/T	7"
+MP-3FU1:2		L1B	12 AWG BLK Conductor / wire	373125	+MP-MS1M1:1/L1	110VAC		1519	T/T	18"
+MP-2FU1:4		L1C	14 AWG BLK Conductor / wire	373187	+MP-TR1:H1			1529	T/RT	7"
+MP-4FU1:2		L1D	8 AWG BLK Conductor / wire	373110	+MP-MS2M:1	110VAC		1510	T/T	8"
+MP-MS1M1:2/T1		L1E	12 AWG BLK Conductor / wire	373125	+MP-MS1M2:1/L1	110VAC		1519	T/T	7"
+MP-DS:T2		L2	6 AWG BLK Conductor / wire	373115	+MP-4FU1:3	40A TD		1501	T/T	8"
+MP-3FU1:3		L2A	12 AWG BLK Conductor / wire	373125	+MP-4FU1:3	40A TD		1519	T/T	7"
+MP-3FU1:4		L2B	12 AWG BLK Conductor / wire	373125	+MP-MS1M:3/L2	110VAC		1519	T/T	17"
+MP-2FU1:2		L2C	14 AWG BLK Conductor / wire	373187	+MP-TR1:H4			1529	T/RT	7"
+MP-4FU1:4		L2D	8 AWG BLK Conductor / wire	373110	+MP-MS1M:3/L2	110VAC		1510	T/T	8"
+MP-MS1M:3/L2		L2E	12 AWG BLK Conductor / wire	373125	+MP-MS1M:4/T2	110VAC		1520	T/T	7"
+MP-DS:T3		L3	6 AWG BLK Conductor / wire	373115	+MP-4FU1:5	40A TD		1501	T/T	9"
+MP-3FU1:5		L3A	12 AWG BLK Conductor / wire	373125	+MP-4FU1:5	40A TD		1519	T/T	7"
+MP-3FU1:6		L3B	12 AWG BLK Conductor / wire	373125	+MP-MS1M:5/L2	110VAC		1519	T/T	16"
+MP-4FU1:6		L3D	8 AWG BLK Conductor / wire	373110	+MP-MS1M:5/L2	110VAC		1510	T/T	8"
+MP-MS1M:5/L3		L3E	12 AWG BLK Conductor / wire	373125	+MP-MS1M:6/T2	110VAC		1521	T/T	7"
+MP-MS2M:2		R	8 AWG BLK Conductor / wire	373110	+MP-VFD2M:R/L1			1510	T/RT	22"
+MP-MS1M:4/T2		S	8 AWG BLK Conductor / wire	373110	+MP-VFD2M:S/L2			1511	T/RT	22"
+MP-MS1M:6/T2		T	8 AWG BLK Conductor / wire	373110	+MP-VFD2M:T/L3			1512	T/RT	22"









# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HYD-C1M	370210	78"	4	Cable, Yellow Jacket 14-4C Sto	HYDRAULIC MTR



# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HEAD-CDT2M	370325	180"		Conduit, Metal, 3/4 in.	BLADE MTR



# Parts usage indication

Part number	Qty	Designation	DT	Function text
373115	1	Wire, 6 Awg / 19, Black		
	1			
	1			
373125	1	Wire, 12 Awg / 19, T90, Black		
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
373187	1	Wire 14 Awg / 19 T90 Black ***		
	1			
373110	1	Wire, 8 Awg / 19, Black		
	1			
	1			
	1			
	1			
	1			
373154	1	Wire, 8 Awg / 19, T90, Green/Yellow		
373160	1	Wire, 12 Awg / 19, T90, Green-Yellow		
373153	1	Wire, 6 Awg / 19, T90, Green/Yellow		
373135	1	Wire, 16 Awg / 26, TEW, Black		
373220	1	Wire, 16 Awg / 26, TEW, White		
373170	1	Wire, 16 Awg / 26, TEW, Green-Yellow Str		







# Parts usage indication

Part number	Qty	Designation		DT	Function text
370835	1	Disconnect Handle, 30 & 60 Amp		+MP-DS	
370905	1	Disconnect, Metal Shaft Extension		+MP-DS	
370865	1	Disconnect, Switch, 60 Amp Non Fusible		+MP-DS	
371200	1	Fuse Block, 2-Pole, 600V, 30A		+MP-2FU1	PRIMARY
371245	2	Fuse, Fast Acting, 12 Amp, 600V		+MP-2FU1	=
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-3FU1	
371390	3	Fuse, Time Delay, 20 Amp, 600V	Class CC, ATDR	+MP-3FU1	
373331	3	Fuse Block, 1-Pole, 600V, 60A,	CE, UL, CSA	+MP-4FU1	BADE MOTOR
371405	3	Fuse, Time Delay, 40 Amp, 600V	AJT	+MP-4FU1	=
815440	2	3 Pole assembly Kit (US6J FH)		+MP-4FU1	=
372740	1	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL1	
372740	2	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL2	
370616	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	Coil 110 V AC AC	+MP-MS1M1	HYD MOTOR
370616	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	CONTACTOR AC 10HP	+MP-MS1M2	HYDRAULIC MOTOR
370636	1	Contacteur, 120Vac, 50/60Hz, 15HP 208V	CONTACTOR AC 10HP	+MP-MS2M	BADE MOTOR
372116	1	TOR - 7...10 A	CONTACTOR AC 10HP	+MP-OL1	HYD.
371044	1	End cover	COIL	+MP-TB6	GND
372805	1	Earth terminal	Terminal Pe 16-6 Awg	+MP-TB6:GND1	=
	1		Wkn10/Slu	+MP-TB6:GND1	
372755	1	Terminal Markers, Marcom		+MP-TB6:GND1	GND
	1			+MP-TB6:GND1	
372920	1	Transformer, 750VA, 240V-480V, / 120V	50/60Hz, Type T	+MP-TR1	CONTROL TR
371649	1	Inverter enclosed type(IP20)	10HP 240V MICRO	+MP-VFD2M	BLADE DRIVE

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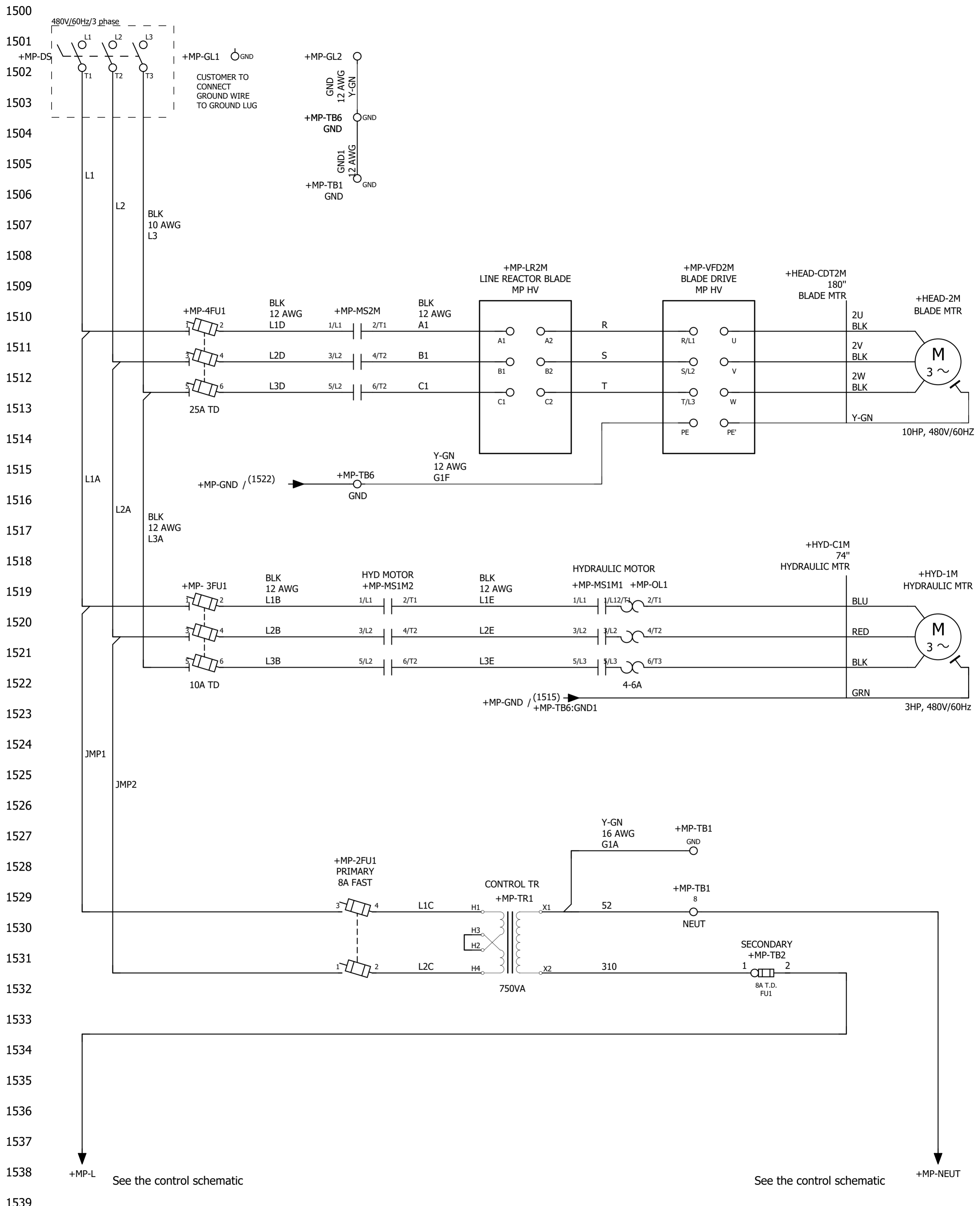




**HYD-MECH CANADA**  
 1079 PARKINSON ROAD  
 P.O. BOX 1659  
 WOODSTOCK, ON  
 N4S 0A9  
 CANADA  
 Phone. 1-877-237-0914



ECN Number:	01695		
Project description	H22A-480V/60Hz Option		
Schematic #	H22A-7-00-480-1		
Manufacturer (company)	HYD-MECH CANADA		
Path			
Project name	H22A-7-00-480-1		
Make	H22A		
Type			
Place of installation			
Responsible for project	WA		
Part feature			
Created on	10/22/19		
Edit date	12/04/19	by (short name) wabdou	Number of pages 20



from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TR1:H2			Conductor / wire		+MP-TR1:H3			1529		
+MP-TB1:8		52	16 AWG WHT	373220	+MP-TR1:X1			1529	T/T	24"
+MP-TB2:FU1:1		310	16 AWG BLK	373135	+MP-TR1:X2			1531	T/T	25"
+MP-LR2M:A1		A1	12 AWG BLK	373125	+MP-MS2M:2/T1	110VAC		1510	T/T	40"
+MP-LR2M:B1		B1	12 AWG BLK	373125	+MP-MS1M:4/T2	110VAC		1511	T/T	40"
+MP-LR2M:C1		C1	12 AWG BLK	373125	+MP-MS1M:6/T2	110VAC		1512	T/T	40"
+MP-TB1:GND		G1A	16 AWG Y-GN	373170	+MP-TR1:X1			1527	T/T	40"
+MP-TB6:GND1		G1F	12 AWG Y-GN	373160	+MP-VFD2M:PE			1515	T/T	
+MP-GL2		GND	12 AWG Y-GN	373160	+MP-TB6:GND			1501	T/T	
+MP-TB1:GND		GND1	12 AWG Y-GN	373160	+MP-TB6:GND			1505	T/T	40"
+MP-2FU1:3		JMP1	12 AWG BLK	373125	+MP-3FU1:1	10A TD		1529	T/T	5"
+MP-2FU1:1		JMP2	12 AWG BLK	373125	+MP-3FU1:3	10A TD		1529	T/T	5"
+MP-DS:T1		L1	10 AWG BLK	373120	+MP-4FU1:1	25A TD		1501	T/T	7"
+MP-3FU1:1		L1A	12 AWG BLK	373125	+MP-4FU1:1	25A TD		1519	T/T	7"
+MP-3FU1:2		L1B	12 AWG BLK	373125	+MP-MS1M2:1/L1	110VAC		1519	T/T	7"
+MP-2FU1:4		L1C	14 AWG BLK	373187	+MP-TR1:H1			1529	T/RT	7"
+MP-4FU1:2		L1D	12 AWG BLK	373125	+MP-MS2M:1/L1	110VAC		1510	T/T	30"
+MP-MS1M1:1/L1		L1E	12 AWG BLK	373125	+MP-MS1M2:2/T1	110VAC		1519	T/T	7"
+MP-DS:T2		L2	10 AWG BLK	373120	+MP-4FU1:3	25A TD		1501	T/T	8"
+MP-3FU1:3		L2A	12 AWG BLK	373125	+MP-4FU1:3	25A TD		1519	T/T	7"
+MP-3FU1:4		L2B	12 AWG BLK	373125	+MP-MS1M:3/L2	110VAC		1519	T/T	7"
+MP-2FU1:2		L2C	14 AWG BLK	373187	+MP-TR1:H4			1529	T/RT	7"
+MP-4FU1:4		L2D	12 AWG BLK	373125	+MP-MS1M:3/L2	110VAC		1510	T/T	30"
+MP-MS1M:3/L2		L2E	12 AWG BLK	373125	+MP-MS1M:4/T2	110VAC		1520	T/T	7"
+MP-DS:T3		L3	10 AWG BLK	373120	+MP-4FU1:5	25A TD		1501	T/T	9"
+MP-3FU1:5		L3A	12 AWG BLK	373125	+MP-4FU1:5	25A TD		1519	T/T	7"
+MP-3FU1:6		L3B	12 AWG BLK	373125	+MP-MS1M:5/L2	110VAC		1519	T/T	7"
+MP-4FU1:6		L3D	12 AWG BLK	373125	+MP-MS1M:5/L2	110VAC		1510	T/T	30"
+MP-MS1M:5/L3		L3E	12 AWG BLK	373125	+MP-MS1M:6/T2	110VAC		1521	T/T	7"
+MP-LR2M:A2		R	12 AWG BLK		+MP-VFD2M:R/L1			1510	T/T	31"
+MP-LR2M:B2		S	12 AWG BLK		+MP-VFD2M:S/L2			1511	T/T	31"
+MP-LR2M:C2		T	12 AWG BLK		+MP-VFD2M:T/L3			1512	T/T	31"



0	1	2	3	4	5	6	7	8	9	
from	Cable	Wire	Wire des./definition	Parts From, Wire, To	to	More info.				
						Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-OL1:2/T1	+HYD-C1M		0.00 AWG BLU Conductor / wire		+HYD-1M:1T1			1519	T/T	74"
+MP-OL1:4/T2	+HYD-C1M		0.00 AWG RED Conductor / wire		+HYD-1M:1T2			1519	T/T	74"
+MP-OL1:6/T3	+HYD-C1M		0.00 AWG BLK Conductor / wire		+HYD-1M:1T3			1519	T/T	74"



from	Length x mm <sup>2</sup> (AWG) color Cable Wire Wire des./definition Parts From, Wire, To	to	More info.				
			Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-VFD2M:U	+HEAD-CDT2M 2U 12 AWG BLK Conductor / wire 373125	+HEAD-2M:2U			1510	RT/T	198"
+MP-VFD2M:V	+HEAD-CDT2M 2V 12 AWG BLK Conductor / wire 373125	+HEAD-2M:2V			1511	RT/T	198"
+MP-VFD2M:W	+HEAD-CDT2M 2W 12 AWG BLK Conductor / wire 373125	+HEAD-2M:2W			1512	RT/T	198"
+MP-VFD2M:PE'	+HEAD-CDT2M G2M 0.00 AWG Y-GN Conductor / wire 373160	+HEAD-2M			1513	RT/T	198"

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1100

H22A-480V/60Hz Option  
H22A-7-00-480-1  
ECN: 01695

HYD-MECH CANADA  
P.O. BOX 1659  
WOODSTOCK, ON



Wire list:  
Modification date 11/08/19  
Modified by wabdou

Check.  
Form DIN\_VRL\_70\_5\_Inch\_P8 R3

# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HYD-C1M	370210	74"	4	Cable, Yellow Jacket 14-4C Sto	HYDRAULIC MTR



# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HEAD-CDT2M	370320	180"		Conduit, Metal, 1/2 in.	BLADE MTR



# Parts usage indication

Part number	Qty	Designation	DT	Function text
373120	1	Wire, 10 Awg / 19, T90, Black		
	1			
	1			
373125	1	Wire, 12 Awg / 19, T90, Black		
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
	1			
373187	1	Wire 14 Awg / 19 T90 Black ***		
	1			
373135	1	Wire, 16 Awg / 26, TEW, Black		
373160	1	Wire, 12 Awg / 19, T90, Green-Yellow		
	1			
	1			
373220	1	Wire, 16 Awg / 26, TEW, White		
373170	1	Wire, 16 Awg / 26, TEW, Green-Yellow Str		









# Parts usage indication

Part number	Qty	Designation		DT	Function text
370835	1	Disconnect Handle, 30 & 60 Amp		+MP-DS	
370905	1	Disconnect, Metal Shaft Extension		+MP-DS	
370870	1	Disconnect, Switch, 30 Amp Non Fusible		+MP-DS	
371200	1	Fuse Block, 2-Pole, 600V, 30A		+MP-2FU1	PRIMARY
371280	2	Fuse, Fast Acting, 8 Amp, 600V		+MP-2FU1	=
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-3FU1	
371370	3	Fuse, Time Delay, 10 Amp, 600V	Class CC, ATDR	+MP-3FU1	
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-4FU1	BADE MOTOR
371395	3	Fuse, Time Delay, 25 Amp, 600V	Class CC, ATDR	+MP-4FU1	=
371855	1	Terminal, PE, Ground Lug, 2 - 8 AWG		+MP-GL1	
371855	2	Terminal, PE, Ground Lug, 2 - 8 AWG		+MP-GL2	
371815	1	Line Reactor, 10HP 480V,	5% Impedance	+MP-LR2M	LINE REACTOR BLADE
370616	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	Coil 110 V AC AC	+MP-MS1M1	HYDRAULIC MOTOR
370616	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	CONTACTOR AC 10HP	+MP-MS1M2	HYD MOTOR
370621	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 18 A, Coil 110 V AC	CONTACTOR AC 15HP	+MP-MS2M	BADE MOTOR
372106	1	TOR - 4...6 A	CONTACTOR AC 15HP	+MP-OL1	HYD.
371044	1	End cover	COIL	+MP-TB6	GND
372805	1	Earth terminal	Terminal Pe 16-6 Awg	+MP-TB6:GND1	=
	1		Wkn10/Slu	+MP-TB6:GND	=
372755	1	Terminal Markers, Marcom		+MP-TB6:GND1	=
	1			+MP-TB6:GND	=
372920	1	Transformer, 750VA, 240V-480V, / 120V	50/60Hz, Type T	+MP-TR1	CONTROL TR
373085	2	Transformer, Terminal Cover, 500VA +		+MP-TR1	=
371648	1	Inverter enclosed type(IP20)	10HP 480V MICRO	+MP-VFD2M	BLADE DRIVE

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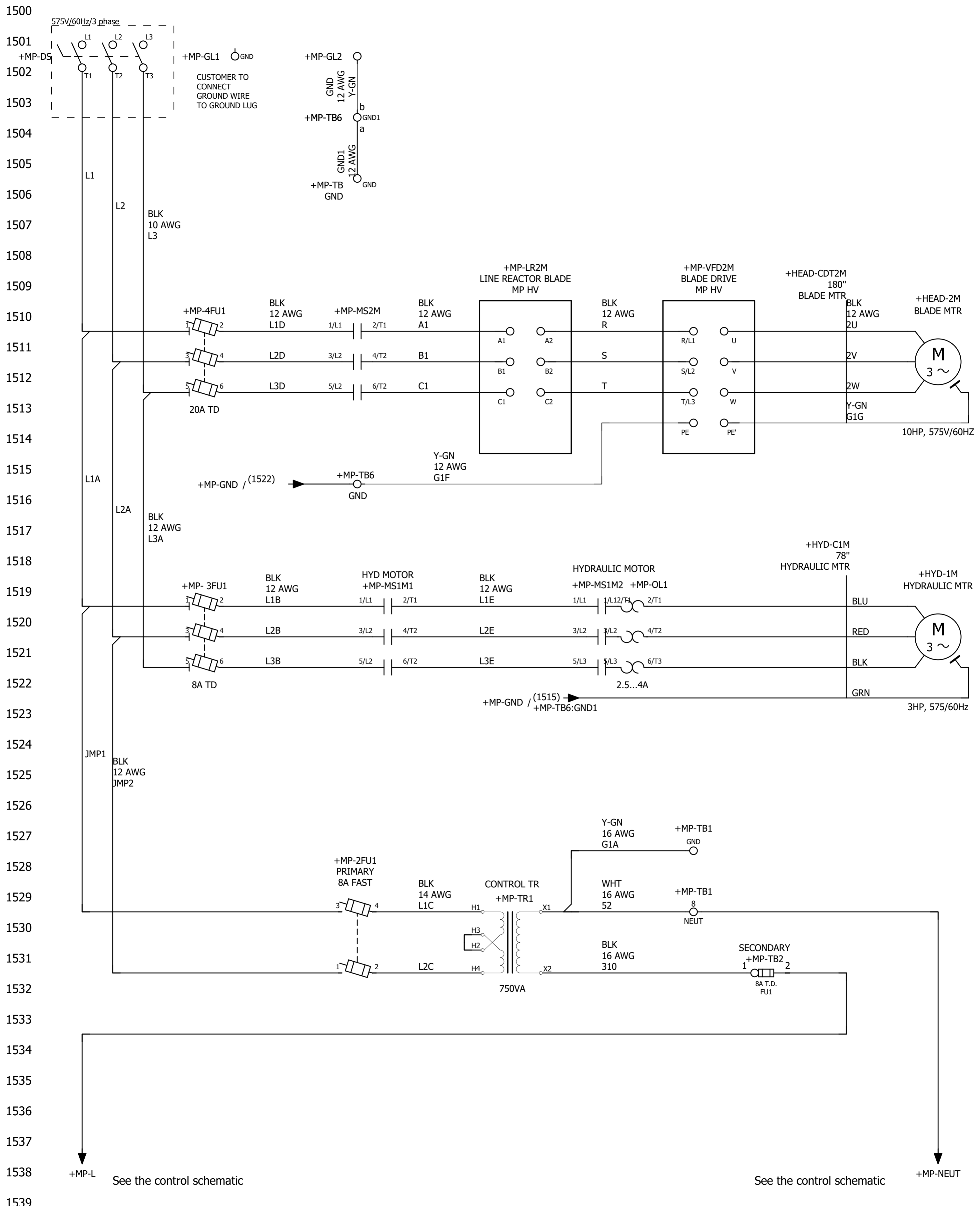


**HYD-MECH CANADA**  
 1079 PARKINSON ROAD  
 P.O. BOX 1659  
 WOODSTOCK, ON  
 N4S 0A9  
 CANADA  
 Phone. 1-877-237-0914



ECN Number:	01742		
Project description	H22A 575V/60Hz Option		
Schematic #	H22A-7-00-575-1		
Manufacturer (company)	HYD-MECH CANADA		
Path			
Project name	H22A-7-00-575-1		
Make	H22A		
Type			
Place of installation			
Responsible for project	WA		
Part feature			
Created on	11/25/19		
Edit date	12/04/19	by (short name) wabdou	Number of pages 20





from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TR1:H2			Conductor / wire		+MP-TR1:H3			1529		
+MP-TB1:8		52	WHT 16 AWG Conductor / wire	373220	+MP-TR1:X1			1529	T/T	22"
+MP-TB2:FU1:1		310	BLK 16 AWG Conductor / wire	373135	+MP-TR1:X2			1531	T/T	23"
+MP-LR2M:A1		A1	BLK 12 AWG Conductor / wire	373125	+MP-MS2M:2/T1	110VAC		1510	T/T	28"
+MP-LR2M:B1		B1	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:4/T2	110VAC		1511	T/T	28"
+MP-LR2M:C1		C1	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:6/T2	110VAC		1512	T/T	28"
+MP-TB1:GND		G1A	Y-GN 16 AWG Conductor / wire	373170	+MP-TR1:X1			1527	T/T	22"
+MP-TB6:GND1		G1F	Y-GN 12 AWG Conductor / wire	373160	+MP-VFD2M:PE			1515	T/T	17"
+MP-GL2		GND	Y-GN 12 AWG Conductor / wire	373160	+MP-TB6:GND1:b			1501	T/T	15"
+MP-TB:GND		GND1	Y-GN 12 AWG Conductor / wire	373160	+MP-TB6:GND1:a			1505	T/T	23"
+MP-2FU1:3		JMP1	BLK 14 AWG Conductor / wire	373187	+MP-3FU1:1	8A TD		1529	T/T	
+MP-2FU1:1		JMP2	BLK 12 AWG Conductor / wire	373125	+MP-3FU1:3	8A TD		1529	T/T	
+MP-DS:T1		L1	BLK 10 AWG Conductor / wire	373120	+MP-4FU1:1	20A TD		1501	T/T	7"
+MP-3FU1:1		L1A	BLK 12 AWG Conductor / wire	373125	+MP-4FU1:1	20A TD		1519	T/T	7"
+MP-3FU1:2		L1B	BLK 12 AWG Conductor / wire	373125	+MP-MS1M1:1/L1	110VAC		1519	T/T	18"
+MP-2FU1:4		L1C	BLK 14 AWG Conductor / wire	373187	+MP-TR1:H1			1529	T/RT	7"
+MP-4FU1:2		L1D	BLK 12 AWG Conductor / wire	373125	+MP-MS2M:1/L1	110VAC		1510	T/T	8"
+MP-MS1M1:2/T1		L1E	BLK 12 AWG Conductor / wire	373125	+MP-MS1M2:1/L1	110VAC		1519	T/T	7"
+MP-DS:T2		L2	BLK 10 AWG Conductor / wire	373120	+MP-4FU1:3	20A TD		1501	T/T	8"
+MP-3FU1:3		L2A	BLK 12 AWG Conductor / wire	373125	+MP-4FU1:3	20A TD		1519	T/T	7"
+MP-3FU1:4		L2B	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:3/L2	110VAC		1519	T/T	17"
+MP-2FU1:2		L2C	BLK 14 AWG Conductor / wire	373187	+MP-TR1:H4			1529	T/RT	7"
+MP-4FU1:4		L2D	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:3/L2	110VAC		1510	T/T	8"
+MP-MS1M:3/L2		L2E	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:4/T2	110VAC		1520	T/T	7"
+MP-DS:T3		L3	BLK 10 AWG Conductor / wire	373120	+MP-4FU1:5	20A TD		1501	T/T	9"
+MP-3FU1:5		L3A	BLK 12 AWG Conductor / wire	373125	+MP-4FU1:5	20A TD		1519	T/T	7"
+MP-3FU1:6		L3B	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:5/L2	110VAC		1519	T/T	16"
+MP-4FU1:6		L3D	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:5/L2	110VAC		1510	T/T	8"
+MP-MS1M:5/L3		L3E	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:6/T2	110VAC		1521	T/T	7"
+MP-LR2M:A2		R	BLK 12 AWG Conductor / wire	373125	+MP-VFD2M:R/L1			1510	T/T	31"
+MP-LR2M:B2		S	BLK 12 AWG Conductor / wire	373125	+MP-VFD2M:S/L2			1511	T/T	31"
+MP-LR2M:C2		T	BLK 12 AWG Conductor / wire	373125	+MP-VFD2M:T/L3			1512	T/T	31"









# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HYD-C1M	370210	78"	4	Cable, Yellow Jacket 14-4C Sto	HYDRAULIC MTR



# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HEAD-CDT2M	370320	180"		Conduit, Metal, 1/2 in.	BLADE MTR









# Parts usage indication

Part number	Qty	Designation		DT	Function text
370835	1	Disconnect Handle, 30 & 60 Amp		+MP-DS	
370905	1	Disconnect, Metal Shaft Extension		+MP-DS	
370870	1	Disconnect, Switch, 30 Amp Non Fusible		+MP-DS	
371200	1	Fuse Block, 2-Pole, 600V, 30A		+MP-2FU1	PRIMARY
371280	2	Fuse, Fast Acting, 8 Amp, 600V		+MP-2FU1	=
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-3FU1	
371430	3	Fuse, Time Delay, 8 Amp, 600V	Class CC, ATDR	+MP-3FU1	
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-4FU1	BADE MOTOR
371390	3	Fuse, Time Delay, 20 Amp, 600V	Class CC, ATDR	+MP-4FU1	=
372740	1	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL1	
372740	1	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL2	
371820	1	Line Reactor, 7.5HP 480V,	10 HP 575V, 5%	+MP-LR2M	LINE REACTOR BLADE
370616	1	Contactor TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	Contactor AC AC	+MP-MS1M1	HYD MOTOR
370616	1	Contactor TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	CONTACTOR AC 10HP	+MP-MS1M2	HYDRAULIC MOTOR
370616	1	Contactor TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	CONTACTOR AC 10HP	+MP-MS2M	BADE MOTOR
372101	1	TOR - 2.5...4 A	CONTACTOR 30HP	+MP-OL1	HYD.
371044	1	End cover	600V, 110V 50/60HZ	+MP-TB6	GND
372805	1	Earth terminal	Terminal Pe 16-6 Awg	+MP-TB6:GND1	=
	1		Wkn10/Slu	+MP-TB6:GND1	
372755	1	Terminal Markers, Marcom		+MP-TB6:GND1	GND
	1			+MP-TB6:GND1	
372970	1	Transformer, 750VA, 600V / 120V,	50/60Hz, Type T	+MP-TR1	CONTROL TR
371491	1	Inverter enclosed type(IP20)		+MP-VFD2M	BLADE DRIVE
371719	1	LCD KEYPAD FOR 800 SERIES VFD		+MP-VFD2M	=

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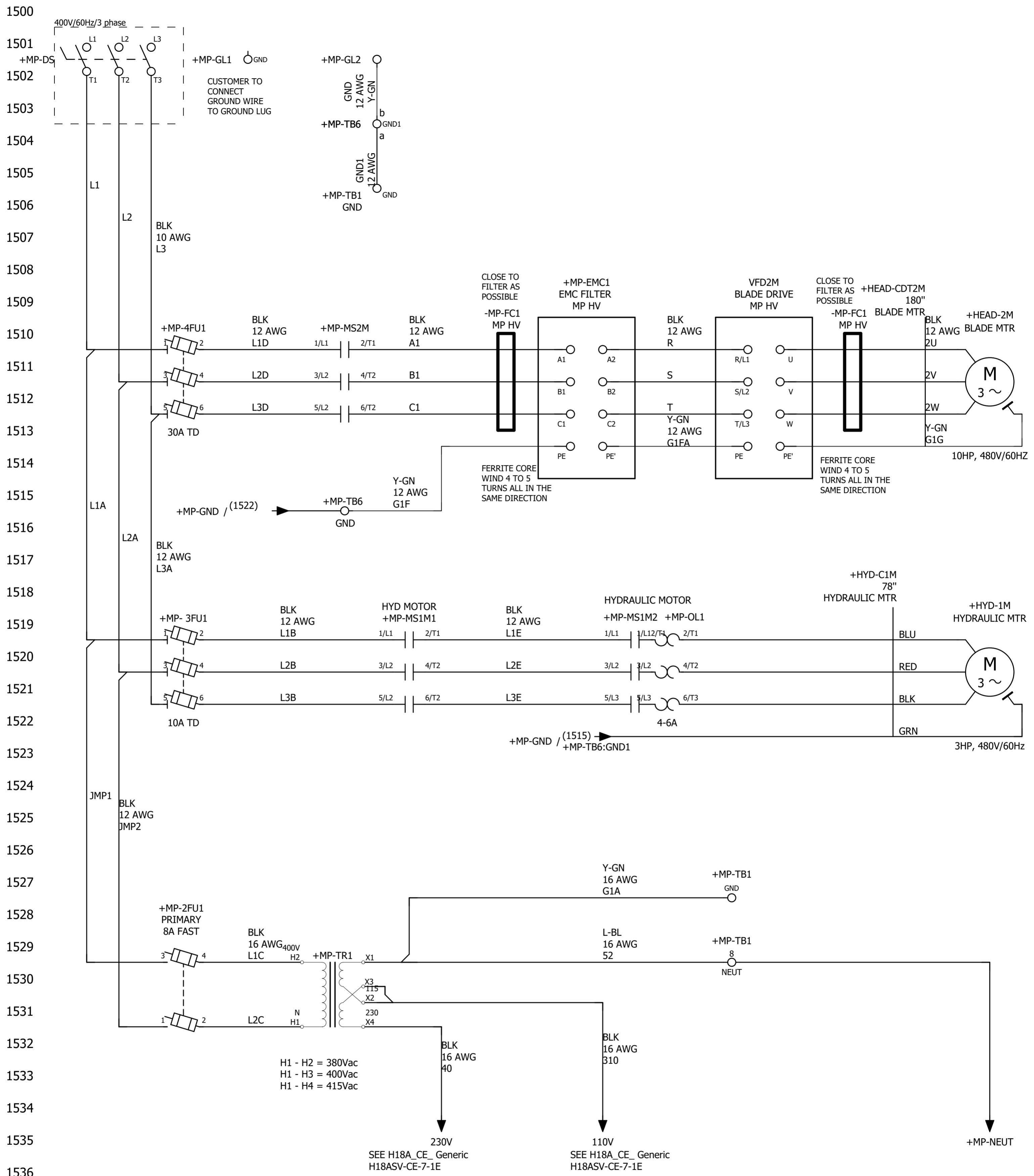




**HYD-MECH CANADA**  
 1079 PARKINSON ROAD  
 P.O. BOX 1659  
 WOODSTOCK, ON  
 N4S 0A9  
 CANADA  
 Phone. 1-877-237-0914



ECN Number:	01742		
Project description	H22-400V/50Hz Option		
Schematic #	H18A-7-00-400-1		
Manufacturer (company)	HYD-MECH CANADA		
Path			
Project name	H22A-7-00-400V-1		
Make	H18A		
Type			
Place of installation			
Responsible for project	WA		
Part feature			
Created on	11/28/19		
Edit date	12/04/19	by (short name) wabdou	Number of pages 20



See the control schematic



from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TB1:8		52	L-BL 16 AWG Conductor / wire	373200	+MP-TR1:X1			1529	T/T	22"
+MP-EMC1:A1		A1	BLK 12 AWG Conductor / wire	373125	+MP-MS2M:2/T1		110VAC	1510	T/T	28"
+MP-EMC1:B1		B1	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:4/T2		110VAC	1511	T/T	28"
+MP-EMC1:C1		C1	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:6/T2		110VAC	1512	T/T	28"
+MP-TB1:GND		G1A	Y-GN 16 AWG Conductor / wire	373170	+MP-TR1:X1			1527	T/T	
+MP-EMC1:PE		G1F	Y-GN 12 AWG Conductor / wire	373160	+MP-TB6:GND1			1513	T/T	17"
-VFD2M:PE		G1FA	Y-GN 12 AWG Conductor / wire	373160	+MP-EMC1:PE'			1513	T/RT	25"
+MP-GL2		GND	Y-GN 12 AWG Conductor / wire	373160	+MP-TB6:GND1:b			1501	T/T	15"
+MP-TB1:GND		GND1	Y-GN 12 AWG Conductor / wire	373160	+MP-TB6:GND1:a			1505	T/T	23"
+MP-2FU1:3		JMP1	BLK 12 AWG Conductor / wire	373125	+MP-3FU1:1		10A TD	1529	T/T	5"
+MP-2FU1:1		JMP2	BLK 12 AWG Conductor / wire	373125	+MP-3FU1:3		10A TD	1529	T/T	5"
+MP-DS:T1		L1	BLK 10 AWG Conductor / wire	373120	+MP-4FU1:1		30A TD	1501	T/T	7"
+MP-3FU1:1		L1A	BLK 12 AWG Conductor / wire	373125	+MP-4FU1:1		30A TD	1519	T/T	7"
+MP-3FU1:2		L1B	BLK 12 AWG Conductor / wire	373125	+MP-MS1M1:1/L1		110VAC	1519	T/T	18"
+MP-2FU1:4		L1C	BLK 16 AWG Conductor / wire	373135	+MP-TR1:H2			1529	T/RT	7"
+MP-4FU1:2		L1D	BLK 12 AWG Conductor / wire	373125	+MP-MS2M:1/L1		110VAC	1510	T/T	8"
+MP-MS1M1:2/T1		L1E	BLK 12 AWG Conductor / wire	373125	+MP-MS1M2:1/L1		110VAC	1519	T/T	7"
+MP-DS:T2		L2	BLK 10 AWG Conductor / wire	373120	+MP-4FU1:3		30A TD	1501	T/T	8"
+MP-3FU1:3		L2A	BLK 12 AWG Conductor / wire	373125	+MP-4FU1:3		30A TD	1519	T/T	7"
+MP-3FU1:4		L2B	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:3/L2		110VAC	1519	T/T	17"
+MP-2FU1:2		L2C	BLK 16 AWG Conductor / wire	373135	+MP-TR1:H1			1529	T/RT	
+MP-4FU1:4		L2D	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:3/L2		110VAC	1510	T/T	8"
+MP-MS1M:3/L2		L2E	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:4/T2		110VAC	1520	T/T	7"
+MP-DS:T3		L3	BLK 10 AWG Conductor / wire	373120	+MP-4FU1:5		30A TD	1501	T/T	9"
+MP-3FU1:5		L3A	BLK 12 AWG Conductor / wire	373125	+MP-4FU1:5		30A TD	1519	T/T	7"
+MP-3FU1:6		L3B	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:5/L2		110VAC	1519	T/T	16"
+MP-4FU1:6		L3D	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:5/L2		110VAC	1510	T/T	8"
+MP-MS1M:5/L3		L3E	BLK 12 AWG Conductor / wire	373125	+MP-MS1M:6/T2		110VAC	1521	T/T	7"
-VFD2M:R/L1		R	BLK 12 AWG Conductor / wire	373125	+MP-EMC1:A2			1510	T/T	31"
-VFD2M:S/L2		S	BLK 12 AWG Conductor / wire	373125	+MP-EMC1:B2			1511	T/T	31"
-VFD2M:T/L3		T	BLK 12 AWG Conductor / wire	373125	+MP-EMC1:C2			1512	T/T	31"







# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HYD-C1M	370210	78"	4	Cable, Yellow Jacket 14-4C Sto	HYDRAULIC MTR



# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HEAD-CDT2M	370320	180"		Conduit, Metal, 1/2 in.	BLADE MTR



# Parts usage indication

Part number	Qty	Designation		DT	Function text
373120	1	Wire, 10 Awg / 19, T90, Black			
	1				
	1				
373125	1	Wire, 12 Awg / 19, T90, Black			
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373160	1	Wire, 12 Awg / 19, T90, Green-Yellow			
	1				
	1				
	1				
373135	1	Wire, 16 Awg / 26, TEW, Black			
	1				
373170	1	Wire, 16 Awg / 26, TEW, Green-Yellow Str			
373200	1	Wire, 16 Awg / 26, TEW, Light Blue			
372875	1	Toroid (Ferrite Toroid Core)		-MP-FC1	
	1			-MP-FC1	
371648	1	Inverter enclosed type(IP20)	10HP 480V MICRO	-VFD2M	BLADE DRIVE









# Parts usage indication

Part number	Qty	Designation		DT	Function text
370835	1	Disconnect Handle, 30 & 60 Amp		+MP-DS	
370905	1	Disconnect, Metal Shaft Extension		+MP-DS	
370870	1	Disconnect, Switch, 30 Amp Non Fusible		+MP-DS	
371171	1	Filter, VFD, 5.5K (7.5 HP) To 7.5K (10 HP)		+MP-EMC1	EMC FILTER
371200	1	Fuse Block, 2-Pole, 600V, 30A		+MP-2FU1	PRIMARY
371240	2	Fuse, Fast Acting, 10 Amp, 600V		+MP-2FU1	=
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-3FU1	
371370	3	Fuse, Time Delay, 10 Amp, 600V	Class CC, ATDR	+MP-3FU1	
371205	1	Fuse Block, 3-Pole, 600V, 30A		+MP-4FU1	BADE MOTOR
371400	3	Fuse, Time Delay, 30 Amp, 600V	Class CC, ATDR	+MP-4FU1	=
372740	1	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL1	
372740	1	COPP MECH LUG 14-6 1COLLAR 1H		+MP-GL2	
370616	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	Coil 110 V AC AC	+MP-MS1M1	HYD MOTOR
370616	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 12 A, Coil 110 V AC	CONTACTOR AC 10HP	+MP-MS1M2	HYDRAULIC MOTOR
370621	1	Contacteur TeSys LC1-D - 3P - AC-3 440V 18 A, Coil 110 V AC	CONTACTOR AC 15HP	+MP-MS2M	BADE MOTOR
372106	1	TOR - 4...6 A	600V, 10A, 50/60HZ	+MP-OL1	HYD.
371044	1	End cover	COIL	+MP-TB6	GND
372805	1	Earth terminal	Terminal Pe 16-6 Awg	+MP-TB6:GND1	=
	1		Wkn10/Slu	+MP-TB6:GND1	
372755	1	Terminal Markers, Marcom		+MP-TB6:GND1	GND
	1			+MP-TB6:GND1	
373318	1	Transformer, 1KVA, 380-400-415 / 120V	50/60Hz, Type T	+MP-TR1	TRANSFORMER
373085	2	Transformer, Terminal Cover, 500VA +		+MP-TR1	=

Next page

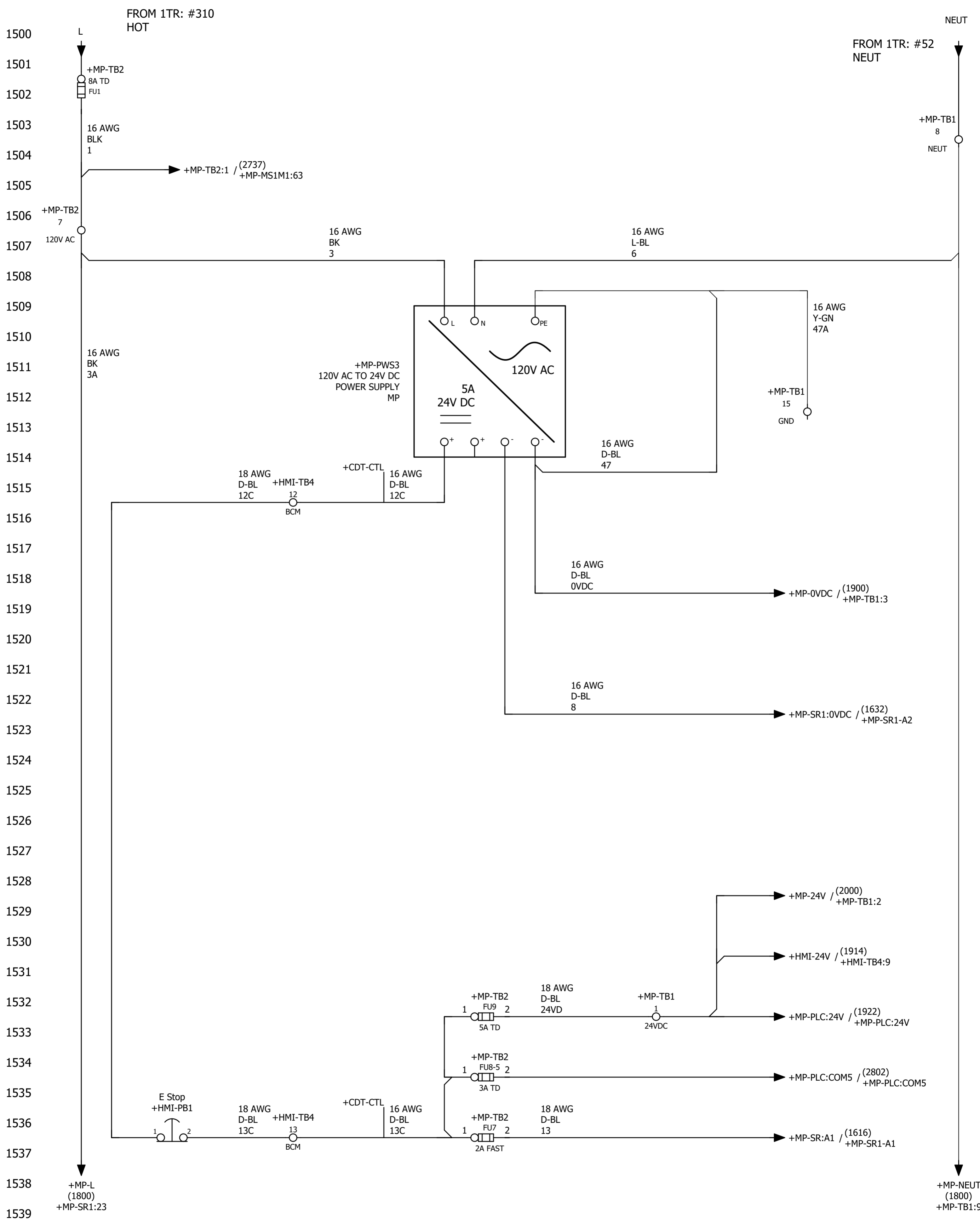




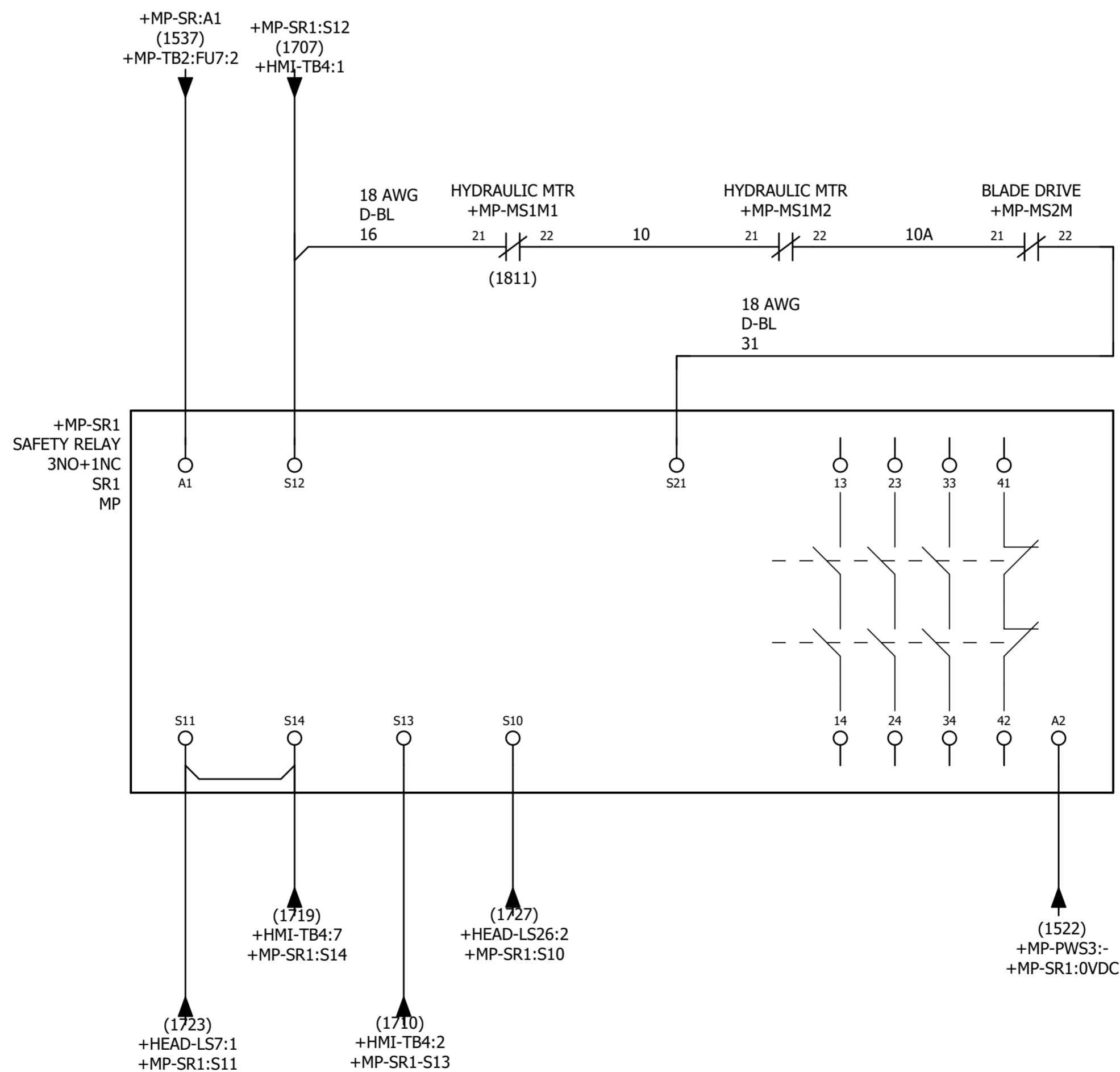
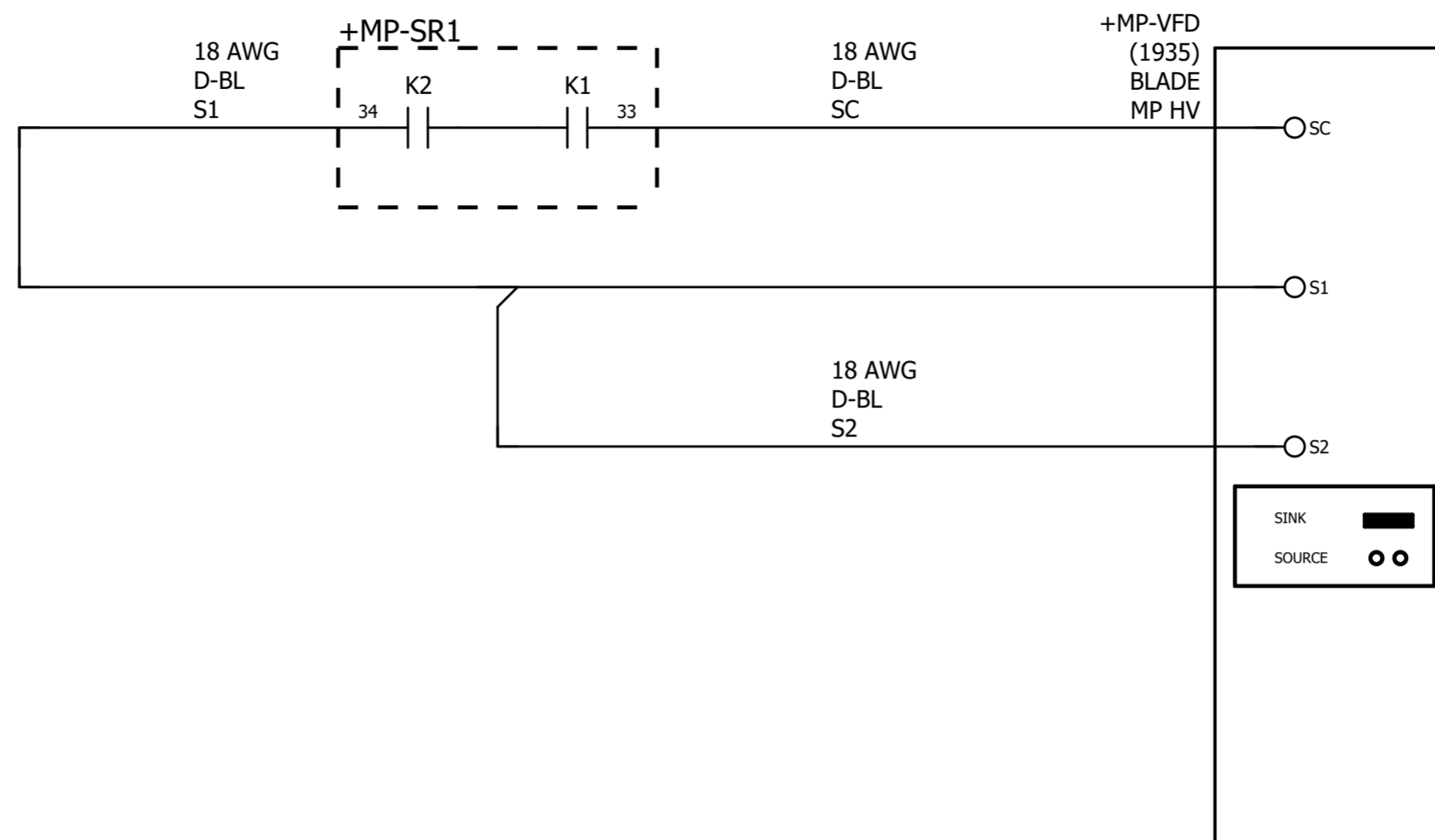
**HYD-MECH CANADA**  
 1079 PARKINSON ROAD  
 P.O. BOX 1659  
 WOODSTOCK, ON  
 N4S 0A9  
 CANADA  
 Phone. 1-877-237-0914



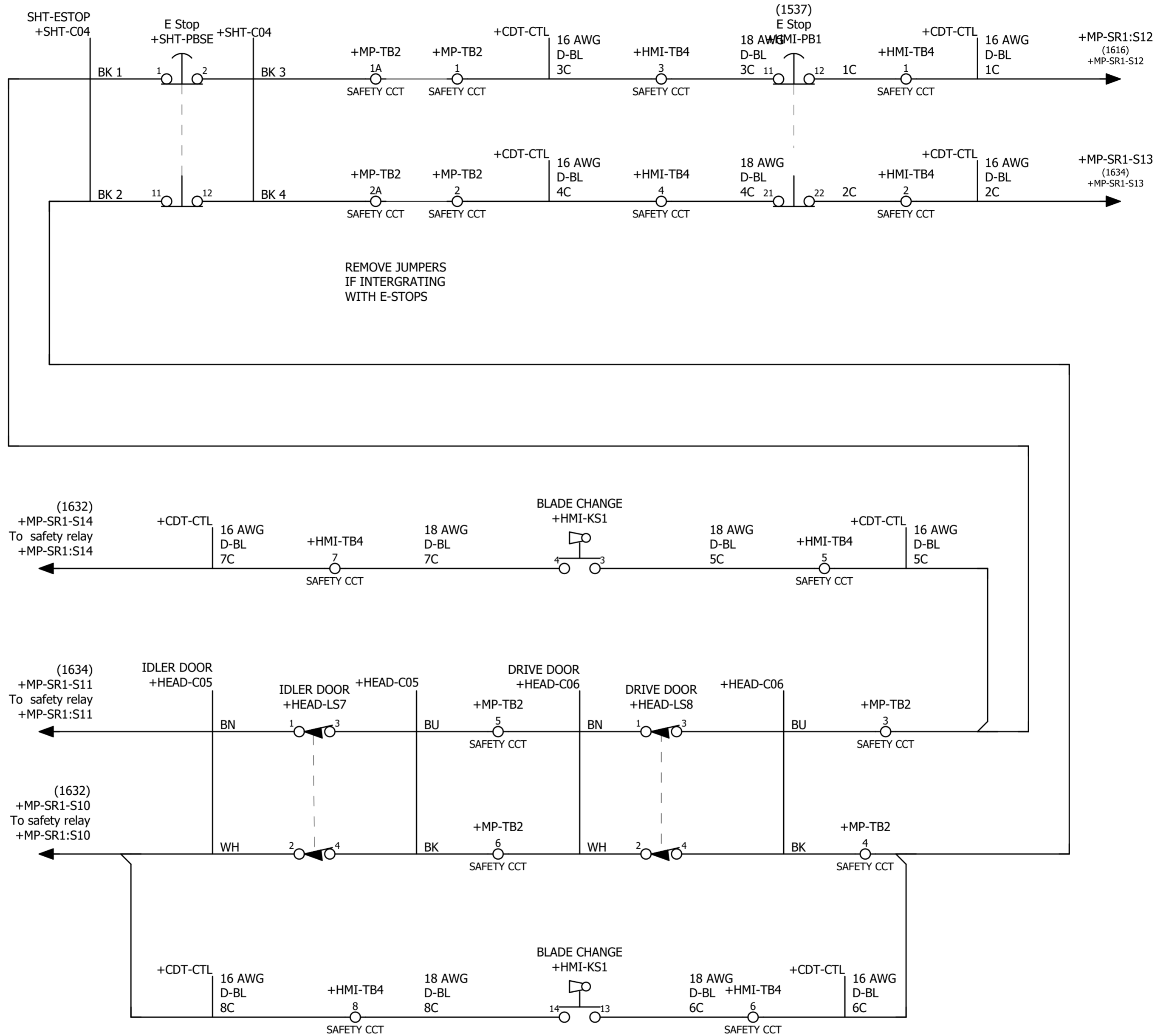
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Schematic #	H18ASV-CE-7-00-1E
Manufacturer (company)	HYD-MECH CANADA
Path	
Project name	H18ASV-CE-7-00-1E
Make	H18ASV
Type	
Place of installation	
Responsible for project	WA
Part feature	
Created on	11/29/19
Edit date	12/04/19
	by (short name) wabdou
	Number of pages 100

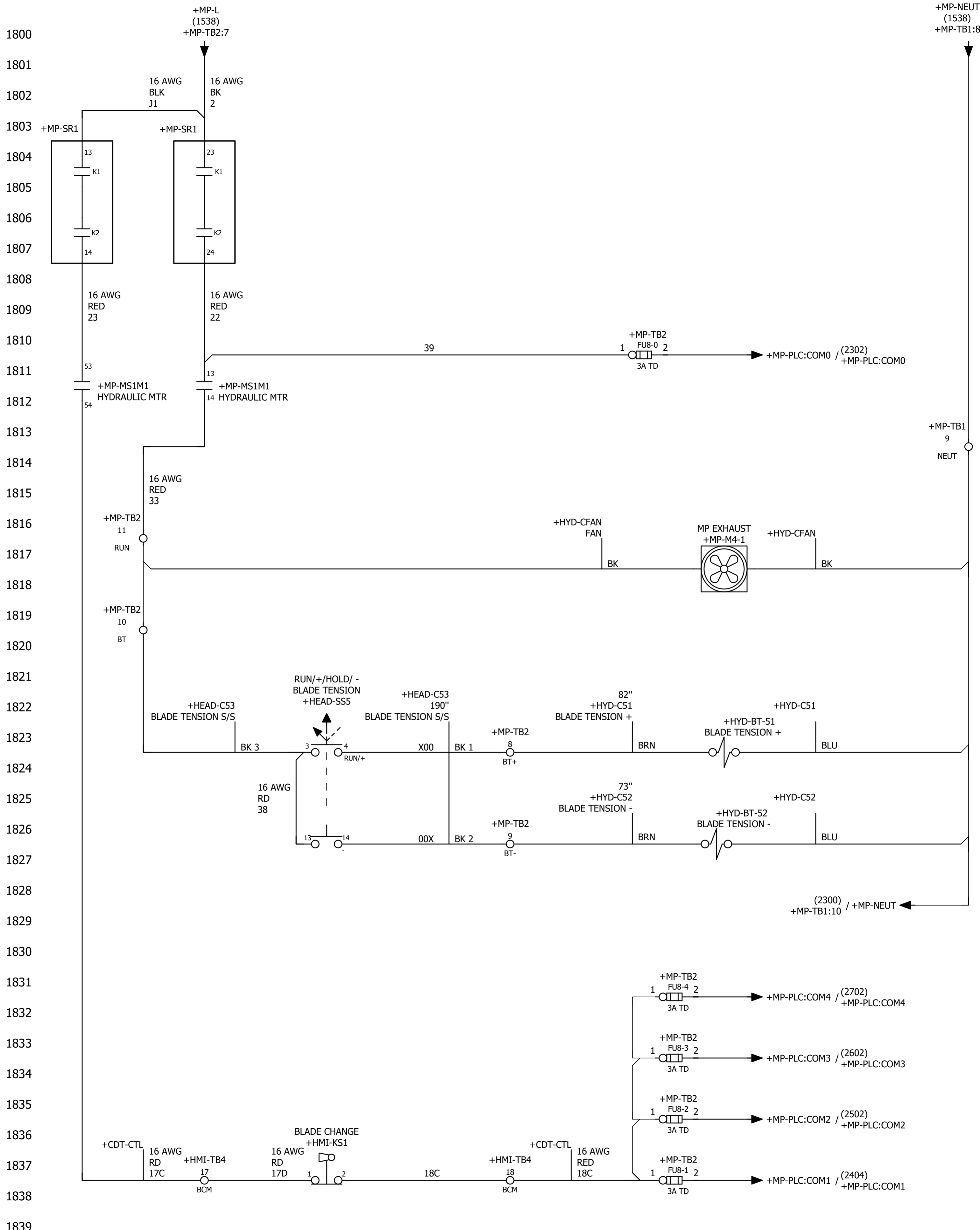


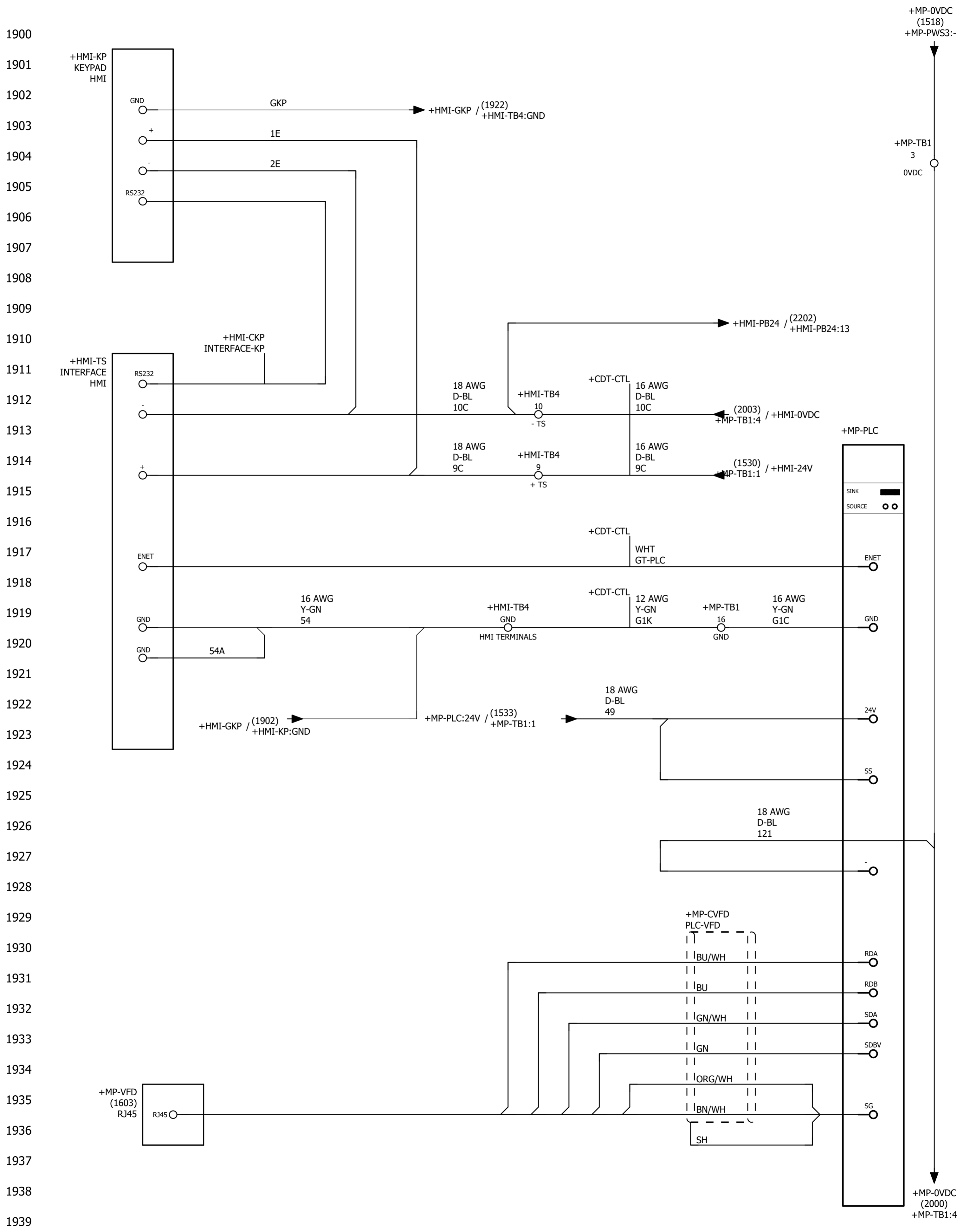
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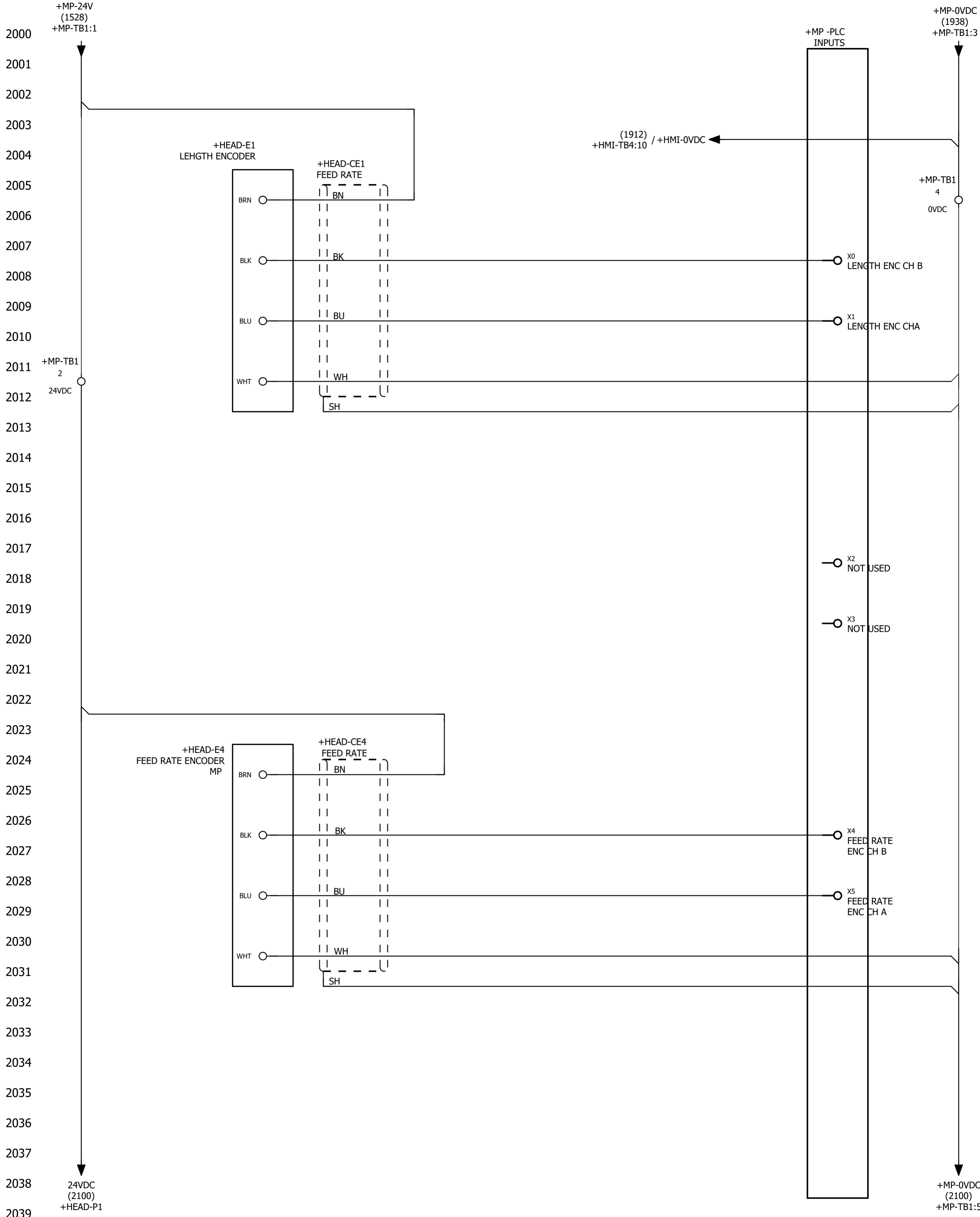


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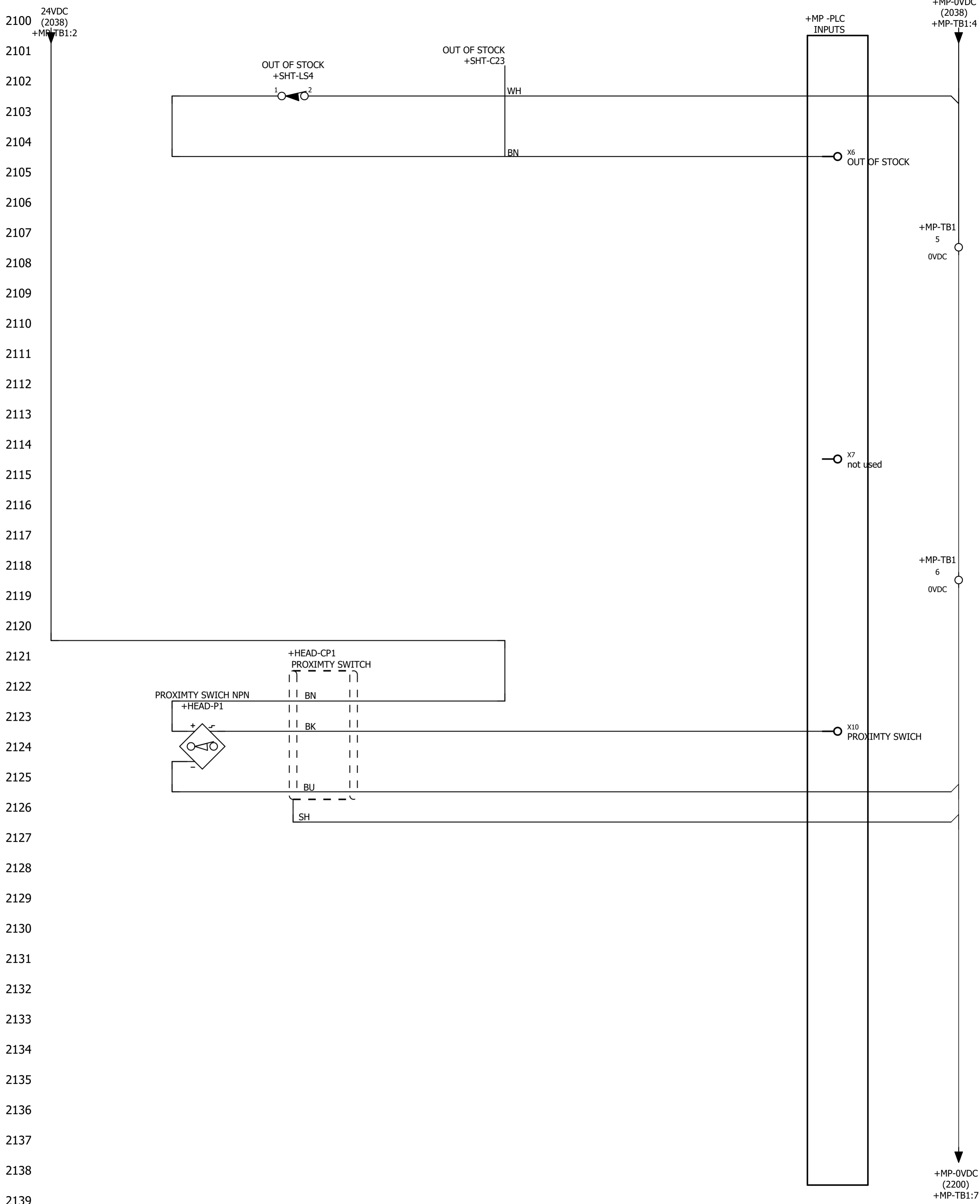




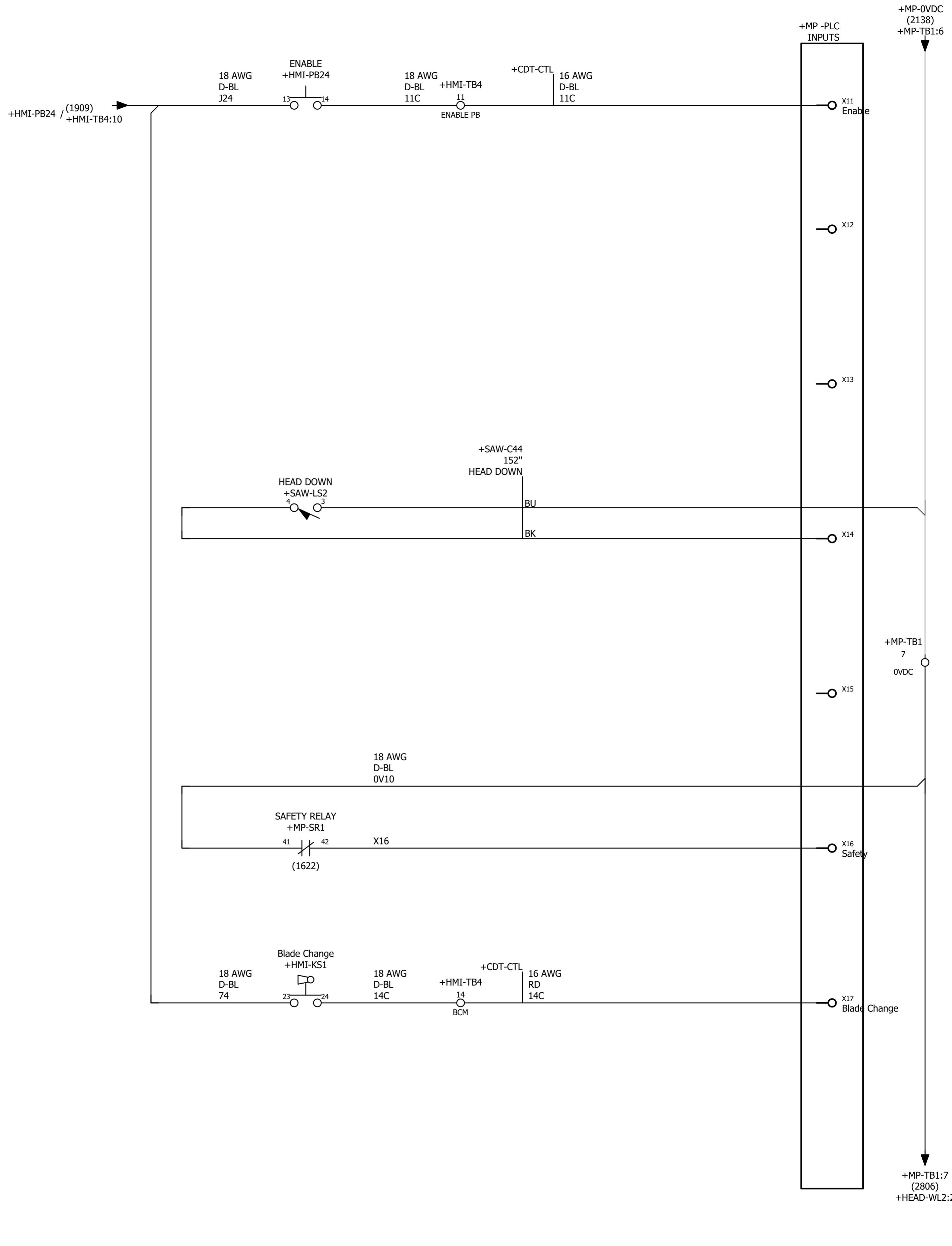


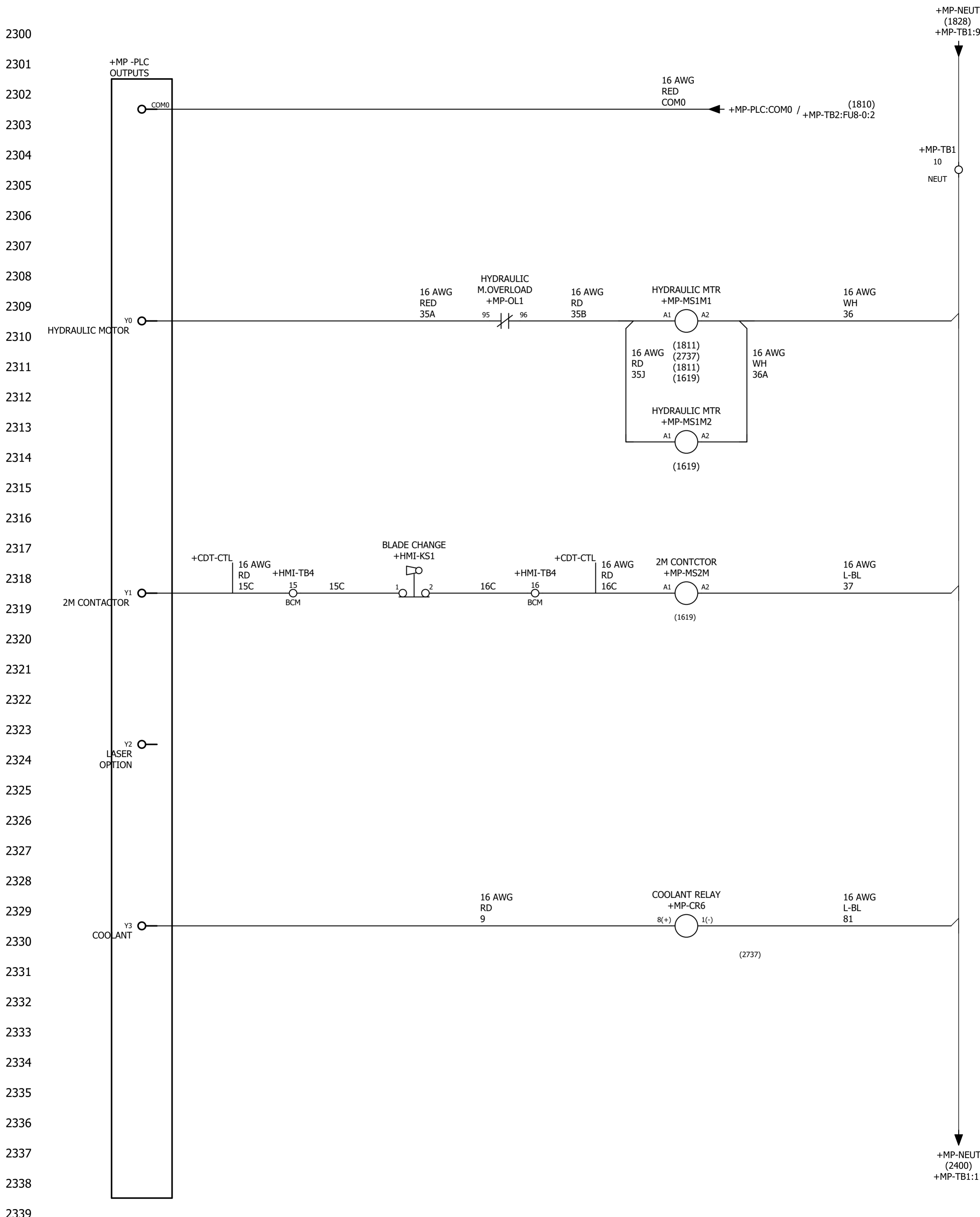


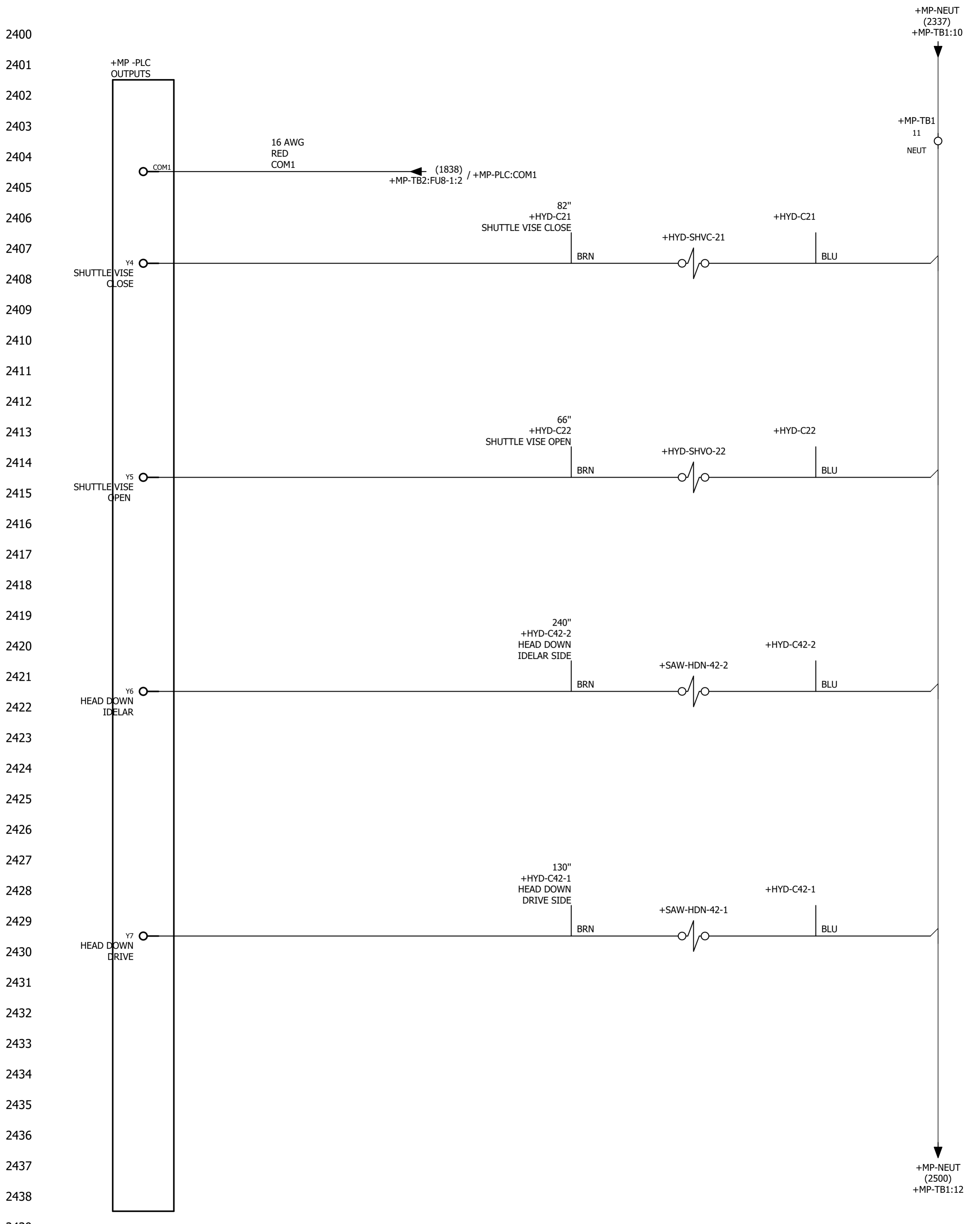


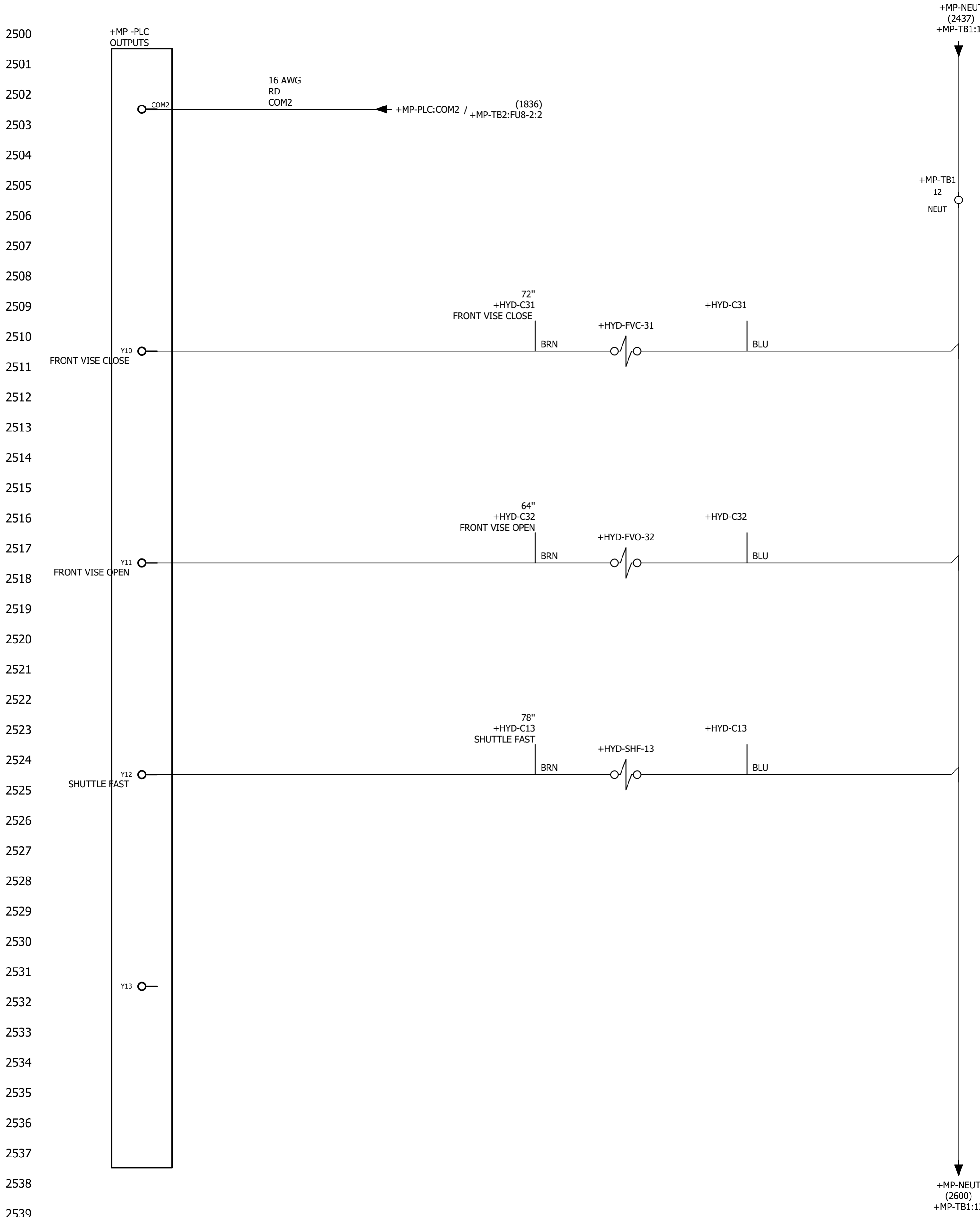


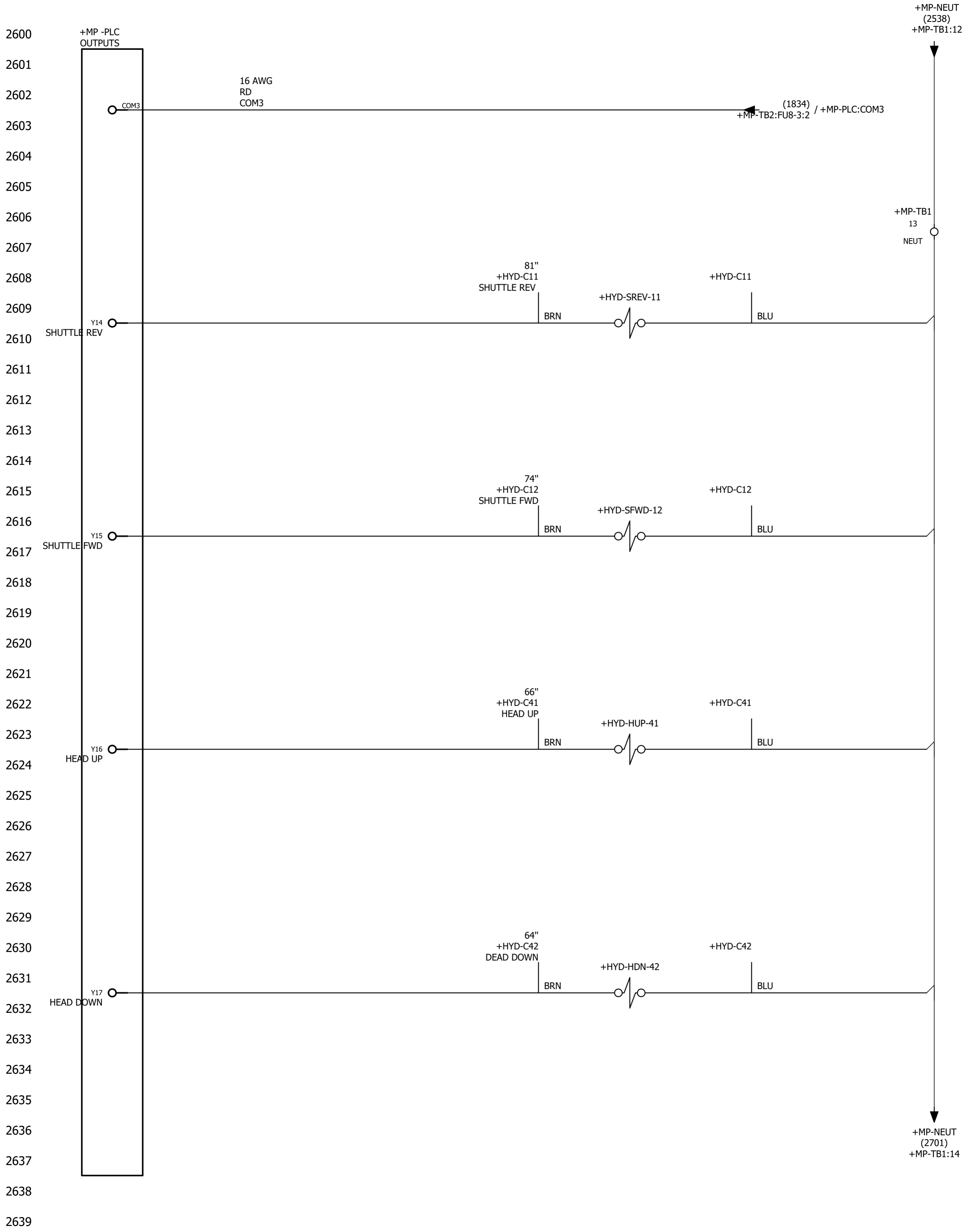
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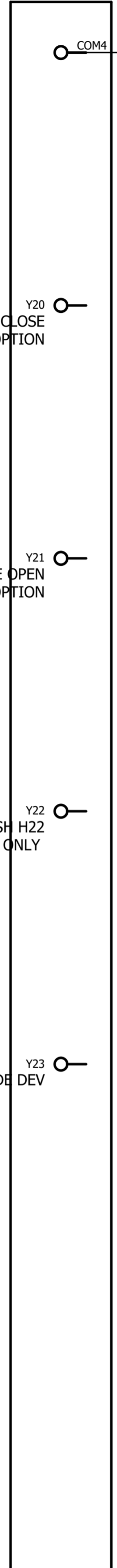




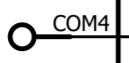


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+MP-PLC  
OUTPUTS



16 AWG  
RD  
COM4



(1832) / +MP-PLC:COM4  
+MP-TB2:FU8-4:2

+MP-NEUT  
(2636)  
+MP-TB1:13

+MP-TB1  
14  
NEUT

+MP-TB2:1 / (1504)  
+MP-TB2:7

16 AWG  
RD  
40

HYDRAULIC MTR  
+MP-MS1M1

(1811)

16 AWG  
RD  
41

COOLANT PUMP  
+MP-CR6

(2329)

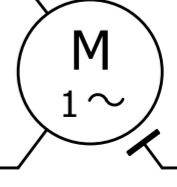
+BASE-3M  
COOLANT PUMP

COOLANT PUMP  
+BASE-3M

+BASE-3M

+MP-TB1  
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GND

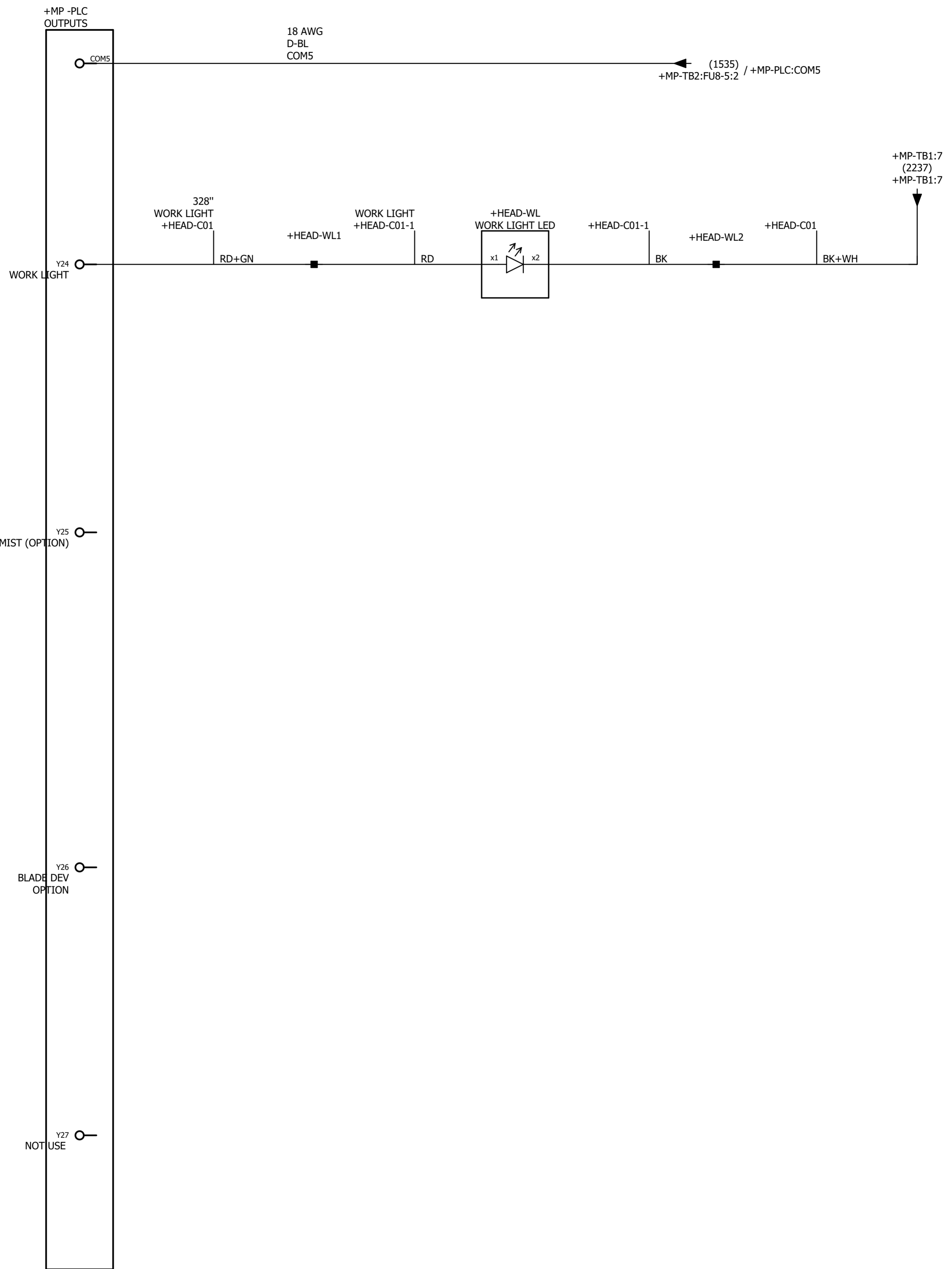
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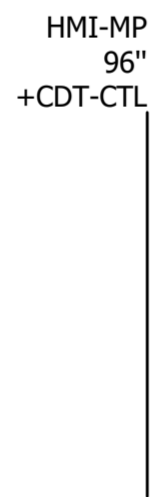
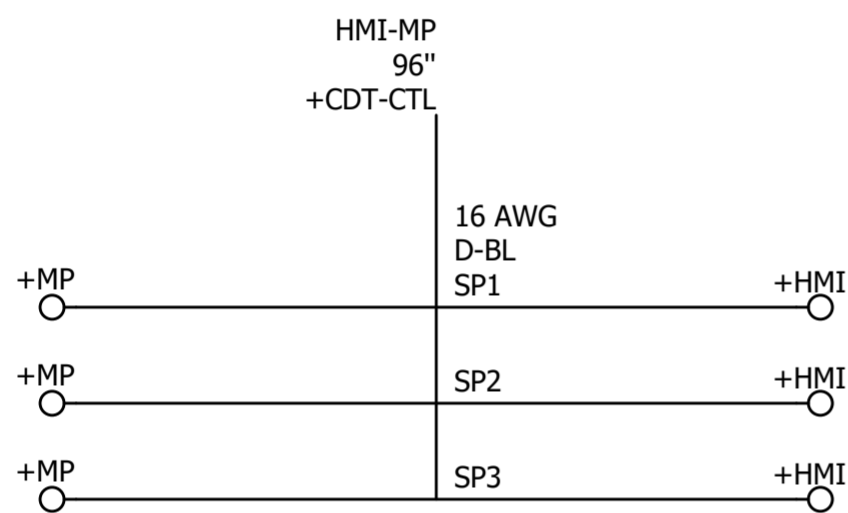
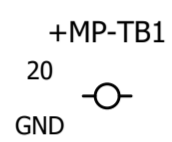
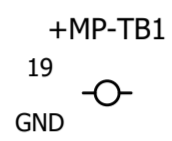
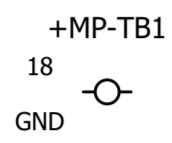


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from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+HMI-PB1:2		13C	D-BL 18 AWG Conductor / wire	373142	+HMI-TB4:13			1537	T/*	27"
+HMI-PB1:1		12C	D-BL 18 AWG Conductor / wire	373142	+HMI-TB4:12			1537	T/*	
+HMI-PB1:12		1C	D-BL 18 AWG Conductor / wire	373142	+HMI-TB4:1			1707	T/T	27"
+HMI-PB1:11		3C	D-BL 18 AWG Conductor / wire	373142	+HMI-TB4:3			1707	*/*	30"
+HMI-KS1:22		2C	D-BL 18 AWG Conductor / wire	373142	+HMI-TB4:2			1710	T/T	23"
+HMI-KS1:21		4C	D-BL 18 AWG Conductor / wire	373142	+HMI-TB4:4			1710	*/*	26"
+HMI-KS1:3		5C	D-BL 18 AWG Conductor / wire	373142	+HMI-TB4:5			1719	*/*	26"
+HMI-KS1:4		7C	D-BL 18 AWG Conductor / wire	373142	+HMI-TB4:7			1719	*/*	24"
+HMI-KS1:13		6C	D-BL 18 AWG Conductor / wire	373142	+HMI-TB4:6			1731	*/*	26"
+HMI-KS1:14		8C	D-BL 18 AWG Conductor / wire	373142	+HMI-TB4:8			1731	*/*	23"
+HMI-KS1:2		18C	RD 16 AWG Conductor / wire	373205	+HMI-TB4:18			1838	*/T	22"
+HMI-KS1:1		17D	RD 16 AWG Conductor / wire	373205	+HMI-TB4:17			1838		24"
+HMI-KP:GND		GKP	Y-GN 16 AWG Conductor / wire	373170	+HMI-TB4:GND			1902	T/T	33"
+HMI-TB4:GND		54	Y-GN 16 AWG Conductor / wire	373170	+HMI-TS-ENET:GND			1919	T/*	33"
+HMI-TS-ENET:GND		54A	Y-GN 16 AWG Conductor / wire	373170	+HMI-TS-ENET:GND			1920	T/*	
+HMI-KP:+		1E	D-BL 18 AWG Conductor / wire	373142	+HMI-TS-RS232: +			1903	T/T	5.5"
+HMI-TB4:9		9C	D-BL 18 AWG Conductor / wire	373142	+HMI-TS-RS232: +			1914	T/*	32"
+HMI-KP:-		2E	D-BL 18 AWG Conductor / wire	373142	+HMI-TS-RS232:-			1904	T/T	5.5"
+HMI-TB4:10		10C	D-BL 18 AWG Conductor / wire	373142	+HMI-TS-RS232:-			1912	T/T	32"
+HMI-PB24:13		J24	D-BL 18 AWG Conductor / wire	373142	+HMI-TB4:10			2202	T/T	25"
+HMI-KS1:23		J24	D-BL 18 AWG Conductor / wire	373142	+HMI-PB24:13			2231	T/T	25"
+HMI-KP:RS232	+HMI-CKP		0.00 AWG Conductor / wire		+HMI-TS-RS232			1905		
+HMI-PB24:14		11C	D-BL 18 AWG Conductor / wire	373142	+HMI-TB4:11			2202	T/T	24"
+HMI-KS1:24		14C	D-BL 18 AWG Conductor / wire	373142	+HMI-TB4:14			2231	T/*	25"
+HMI-KS1:2		16C	RD 16 AWG Conductor / wire	373205	+HMI-TB4:16			2318	T/T	26"
+HMI-KS1:1		15C	RD 16 AWG Conductor / wire	373205	+HMI-TB4:15			2318	T/T	26"



from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TB1:8			Saddle jumper		+MP-TB1:9			1503		
+MP-PLC:24V			Conductor / wire		+MP-PLC:SS			1922		
+MP-TB1:1			Saddle jumper		+MP-TB1:2			1533		
+MP-TB2:FU8-5:1			Wire jumper		+MP-TB2:FU9:1			1535		
+MP-TB2:FU7:1			Wire jumper		+MP-TB2:FU8-5:1			1537		
+MP-SR1-K1			Conductor / wire		+MP-SR1-K2			1604		
+MP-TB2:1			Saddle jumper		+MP-TB2:1A			1707		
+MP-TB2:2			Saddle jumper		+MP-TB2:2A			1710		
+MP-SR1-S11			Conductor / wire		+MP-SR1-S14			1629		
+MP-SR1			Conductor / wire		+MP-SR1			1806		
+MP-SR1			Conductor / wire		+MP-SR1			1806		
+MP-TB1:9			Saddle jumper		+MP-TB1:10			1813		
+MP-TB2:10			Saddle jumper		+MP-TB2:11			1819		
+MP-TB2:FU8-3:1			Saddle jumper		+MP-TB2:FU8-4:1			1834		
+MP-TB2:FU8-2:1			Saddle jumper		+MP-TB2:FU8-3:1			1836		
+MP-TB2:FU8-1:1			Saddle jumper		+MP-TB2:FU8-2:1			1838		
+MP-TB1:3			Saddle jumper		+MP-TB1:4			1904		
+MP-TB1:4			Saddle jumper		+MP-TB1:5			2005		
+MP-TB1:5			Saddle jumper		+MP-TB1:6			2107		
+MP-TB1:6			Saddle jumper		+MP-TB1:7			2118		
+MP-TB1:10			Saddle jumper		+MP-TB1:11			2304		
+MP-TB1:11			Saddle jumper		+MP-TB1:12			2403		
+MP-TB1:12			Saddle jumper		+MP-TB1:13			2505		
+MP-TB1:13			Saddle jumper		+MP-TB1:14			2606		
+MP-SR1:41		0V10	D-BL 18 AWG Conductor / wire	373142	+MP-TB1:7			2226	T/T	20"
+MP-PWS3:-		0VDC	D-BL 16 AWG Conductor / wire	373140	+MP-TB1:3			1513	*/T	16"
+MP-TB2:7		1	BLK 16 AWG Conductor / wire	373135	+MP-TB2:FU1			1506	T/*	16"
+MP-PWS3-L		3	BK 16 AWG Conductor / wire	373135	+MP-TB2:7			1509	T/*	11"
+MP-SR1:23		3A	BK 16 AWG Conductor / wire	373135	+MP-TB2:7			1804	T/*	30"
+MP-PWS3:N		6	L-BL 16 AWG Conductor / wire	373200	+MP-TB1:8			1509	T/*	32"
+MP-PWS3:-		8	D-BL 16 AWG Conductor / wire	373140	+MP-SR1-A2			1513	*/T	29"
+MP-CR6:8(+)		9	RD 16 AWG Conductor / wire	373205	+MP-PLC:Y3			2329	F/T	44"
+MP-MS1M1:22		10	D-BL 18 AWG Conductor / wire	373142	+MP-MS1M2:21			1619	*/*	7"
+MP-MS1M2:22		10A	D-BL 18 AWG Conductor / wire	373142	+MP-MS2M:21			1619	*/*	10"
+MP-SR1-A1		13	D-BL 18 AWG Conductor / wire	373142	+MP-TB2:FU7:2			1623	*/T	26"



from	Length x mm <sup>2</sup> (AWG) color				to	More info				
	Cable	Wire	Wire des./definition	Parts From, Wire, To		Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-MS1M1:21		16	D-BL 18 AWG Conductor / wire	373142	+MP-SR1-S12			1619	*/*	30"
+MP-MS1M1:13		22	RED 16 AWG Conductor / wire	373205	+MP-SR1:24			1811	T/*	30"
+MP-MS1M1:53		23	RED 16 AWG Conductor / wire	373205	+MP-SR1:14			1811	T/*	30"
+MP-TB1:1		24VD	D-BL 18 AWG Conductor / wire	373142	+MP-TB2:FU9:2			1533	*/T	30"
+MP-MS2M:22		31	D-BL 18 AWG Conductor / wire	373142	+MP-SR1-S21			1619	*/*	27"
+MP-MS1M1:14		33	RED 16 AWG Conductor / wire	373205	+MP-TB2:11			1811	T/*	33"
+MP-OL1:95		35A	RED 16 AWG Conductor / wire	373205	+MP-PLC:Y0			2309	F/T	39"
+MP-MS1M1:A1		35B	RD 16 AWG Conductor / wire	373205	+MP-OL1:96			2309	F/T	21"
+MP-MS1M1:A1		35J	RD 16 AWG Conductor / wire	373205	+MP-MS1M2:A1			2309	F/T	11"
+MP-MS1M1:A2		36	WH 16 AWG Conductor / wire	373220	+MP-TB1:10			2309	*/T	32"
+MP-MS1M1:A2		36A	WH 16 AWG Conductor / wire	373220	+MP-MS1M2:A2			2309	*/T	7"
+MP-MS2M:A2		37	L-BL 16 AWG Conductor / wire	373200	+MP-TB1:10			2318	*/T	4"
+HEAD-SS5:3		38	RD 16 AWG Conductor / wire	373135	+HEAD-SS5:13			1823	T/*	
+MP-MS1M1:13		39	RD 16 AWG Conductor / wire	373205	+MP-TB2:FU8-0:1			1811	T/*	28"
+MP-MS1M1:63		40	RD 16 AWG Conductor / wire	373205	+MP-TB2:7			2737	T/T	49"
+MP-CR6:3		41	RD 16 AWG Conductor / wire	373205	+MP-MS1M1:64			2737	T/T	32"
+MP-PWS3:-		47	D-BL 16 AWG Conductor / wire	373140	+MP-PWS3:PE			1513	*/T	29"
+MP-PWS3:PE		47A	Y-GN 16 AWG Conductor / wire	373170	+MP-TB1:15			1509	*/T	31"
+MP-PLC:24V		49	D-BL 18 AWG Conductor / wire	373142	+MP-TB1:1			1922	T/F	9"
+MP-CR6:1(-)		81	L-BL 16 AWG Conductor / wire	373200	+MP-TB1:10			2329	T/T	29"
+MP-PLC:-		121	D-BL 18 AWG Conductor / wire	373142	+MP-TB1:4			1927	*/T	28"
+MP-PLC:COM0		COM0	RED 16 AWG Conductor / wire	373205	+MP-TB2:FU8-0:2			2302	F/T	32"
+MP-PLC:COM1		COM1	RED 16 AWG Conductor / wire	373205	+MP-TB2:FU8-1:2			2404	F/T	38"
+MP-PLC:COM2		COM2	RD 16 AWG Conductor / wire	373205	+MP-TB2:FU8-2:2			2502	T/F	34"
+MP-PLC:COM3		COM3	RD 16 AWG Conductor / wire	373205	+MP-TB2:FU8-3:2			2602	T/F	34"
+MP-PLC:COM4		COM4	RD 16 AWG Conductor / wire	373205	+MP-TB2:FU8-4:2			2702	T/F	29"
+MP-PLC:COM5		COM5	D-BL 18 AWG Conductor / wire	373142	+MP-TB2:FU8-5:2			2802	T/F	27"
+MP-PLC:GND		G1C	Y-GN 16 AWG Conductor / wire	373170	+MP-TB1:16			1919	T/R	13"
+MP-SR1:13		J1	BLK 16 AWG Conductor / wire	373135	+MP-SR1:23			1804	T/*	
+MP-SR1-K2:34		S1	D-BL 18 AWG Conductor / wire	373142	+MP-VFD:S1			1604	T/T	33"
+MP-VFD:S1		S2	D-BL 18 AWG Conductor / wire	373142	+MP-VFD:S2			1606	T/T	
+MP-SR1-K1:33		SC	D-BL 18 AWG Conductor / wire	373142	+MP-VFD:SC			1604	*/T	40"
+MP-PLC:X16		X16	D-BL 18 AWG Conductor / wire	373142	+MP-SR1:42			2226	T/RF	24"





from	Length x mm <sup>2</sup> (AWG) color			Parts From, Wire, To	to	More info				
	Cable	Wire	Wire des./definition			Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TB1:9	+HYD-C51		0.00 AWG BLU Conductor / wire		+HYD-BT-51			1813	T	82"
+MP-TB1:9	+HYD-C52		0.00 AWG BLU Conductor / wire		+HYD-BT-52			1813	T	73"
+MP-M4-1	+HYD-CFAN		0.00 AWG BK Conductor / wire		+MP-TB1:9			1817	T	
+MP-M4-1	+HYD-CFAN		18 AWG BK Conductor / wire		+MP-TB2:11			1817	T	
+MP-TB2:8	+HYD-C51		0.00 AWG BRN Conductor / wire		+HYD-BT-51			1823	T	82"
+MP-TB2:9	+HYD-C52		0.00 AWG BRN Conductor / wire		+HYD-BT-52			1826	T	73"
+MP-TB1:11	+HYD-C21		0.00 AWG BLU Conductor / wire		+HYD-SHVC-21			2403	T	82"
+MP-TB1:11	+HYD-C22		0.00 AWG BLU Conductor / wire		+HYD-SHVO-22			2403	T	66"
+MP-TB1:11	+HYD-C42-1		0.00 AWG BLU Conductor / wire		+SAW-HDN-42-1			2403	T	130"
+MP-TB1:11	+HYD-C42-2		0.00 AWG BLU Conductor / wire		+SAW-HDN-42-2			2403	T	240"
+MP-PLC:Y4	+HYD-C21		0.00 AWG BRN Conductor / wire		+HYD-SHVC-21			2407	RF	82"
+MP-PLC:Y5	+HYD-C22		0.00 AWG BRN Conductor / wire		+HYD-SHVO-22			2414	RF	66"
+MP-PLC:Y6	+HYD-C42-2		0.00 AWG BRN Conductor / wire		+SAW-HDN-42-2			2421	R	240"
+MP-PLC:Y7	+HYD-C42-1		0.00 AWG BRN Conductor / wire		+SAW-HDN-42-1			2429	R	130"
+MP-TB1:12	+HYD-C13		0.00 AWG BLU Conductor / wire		+HYD-SHF-13			2505	T	78"
+MP-TB1:12	+HYD-C31		0.00 AWG BLU Conductor / wire		+HYD-FVC-31			2505	T	72"
+MP-TB1:12	+HYD-C32		0.00 AWG BLU Conductor / wire		+HYD-FVO-32			2505	T	64"
+MP-PLC:Y10	+HYD-C31		0.00 AWG BRN Conductor / wire		+HYD-FVC-31			2510	RF	72"
+MP-PLC:Y11	+HYD-C32		0.00 AWG BRN Conductor / wire		+HYD-FVO-32			2517	RF	64"
+MP-PLC:Y12	+HYD-C13		0.00 AWG BRN Conductor / wire		+HYD-SHF-13			2524	RF	78"
+MP-TB1:13	+HYD-C11		0.00 AWG BLU Conductor / wire		+HYD-SREV-11			2606	T	81"
+MP-TB1:13	+HYD-C12		0.00 AWG BLU Conductor / wire		+HYD-SFWD-12			2606	T	74"
+MP-TB1:13	+HYD-C41		0.00 AWG BLU Conductor / wire		+HYD-HUP-41			2606	T	66"
+MP-TB1:13	+HYD-C42		0.00 AWG BLU Conductor / wire		+HYD-HDN-42			2606	T	64"
+MP-PLC:Y14	+HYD-C11		0.00 AWG BRN Conductor / wire		+HYD-SREV-11			2609	RF	81"
+MP-PLC:Y15	+HYD-C12		0.00 AWG BRN Conductor / wire		+HYD-SFWD-12			2616	RF	74"
+MP-PLC:Y16	+HYD-C41		0.00 AWG BRN Conductor / wire		+HYD-HUP-41			2623	T	66"
+MP-PLC:Y17	+HYD-C42		0.00 AWG BRN Conductor / wire		+HYD-HDN-42			2632	RF	64"



from	Cable	Wire	Wire des./definition	Parts From, Wire, To	to	More info				
						Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TB1:1	+HEAD-CE1		BN Conductor / wire		+HEAD-E1:BRN			1533	S	324"
+MP-SR1-S11	+HEAD-C05		BN Conductor / wire		+HEAD-LS7:1			1629	S	240"
+MP-TB2:3	+HEAD-C06		BU Conductor / wire		+HEAD-LS8:3			1723	*	210"
+MP-TB2:5	+HEAD-C06		BN Conductor / wire		+HEAD-LS8:1			1723	*	210"
+MP-TB2:5	+HEAD-C05		BU Conductor / wire		+HEAD-LS7:3			1723	*	240"
+MP-TB2:4	+HEAD-C06		BK Conductor / wire		+HEAD-LS8:4			1726	*	210"
+MP-TB2:6	+HEAD-C06		WH Conductor / wire		+HEAD-LS8:2			1726	*	210"
+MP-TB2:6	+HEAD-C05		BK Conductor / wire		+HEAD-LS26:4			1726	*	240"
+MP-SR1-S10	+HEAD-C05		WH Conductor / wire		+HEAD-LS26:2			1629	S	240"
+MP-TB2:10	+HEAD-C53		BK 3 18 AWG Conductor / wire		+HEAD-SS5:3			1819	T	190"
+MP-TB2:8	+HEAD-C53		BK 1 18 AWG Conductor / wire		+HEAD-SS5:4			1823	T	190"
+MP-TB2:9	+HEAD-C53		BK 2 18 AWG Conductor / wire		+HEAD-SS5:14			1826	T	190"
+MP-TB1:4	+HEAD-CE1		WH Conductor / wire		+HEAD-E1:WHT			2005	S	324"
+MP-PLC:X0	+HEAD-CE1		BK Conductor / wire		+HEAD-E1:BLK			2007	S	324"
+MP-PLC:X1	+HEAD-CE1		BU Conductor / wire		+HEAD-E1:BLU			2009	S	324"
+MP-TB1:2	+HEAD-CE4		BN Conductor / wire		+HEAD-E4:BRN			2011	S	252"
+MP-TB1:2	+HEAD-CP1		BN Conductor / wire		+HEAD-P1			2011	S	228"
+MP-PLC:X4	+HEAD-CE4		BK Conductor / wire		+HEAD-E4:BLK			2026	S	252"
+MP-PLC:X5	+HEAD-CE4		BU Conductor / wire		+HEAD-E4:BLU			2028	S	252"
+MP-TB1:5	+HEAD-CE4		WH Conductor / wire		+HEAD-E4:WHT			2107	S	252"
+MP-TB1:6	+HEAD-CP1		BU Conductor / wire		+HEAD-P1			2118	S	228"
+MP-PLC:X10	+HEAD-CP1		BK Conductor / wire		+HEAD-P1			2123	S	228"
+HEAD-WL:x1	+HEAD-C01-1	142	RD Conductor / wire		+HEAD-WL1:1			2808		
+HEAD-WL:x2	+HEAD-C01-1	143	BK Conductor / wire		+HEAD-WL2:1			2808		
+MP-TB1:7	+HEAD-C01	C01	BK+WH 0.00 AWG Conductor / wire		+HEAD-WL2:2			2220	T/T	328"
+MP-PLC:Y24	+HEAD-C01	C01	RD+GN 0.00 AWG Conductor / wire		+HEAD-WL1:2			2808	*/T	328"







from	Cable	Wire	Length x mm <sup>2</sup> (AWG) color		Parts From, Wire, To	to	More info				
			Wire des./definition				Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TB2:1A	+SHT-C04		BK 3			+SHT-PBSE:2			1707	T/T	215"
+MP-TB2:3	+SHT-C04		BK 1	18 AWG Conductor / wire		+SHT-PBSE:1			1723	T/T	228"
+MP-TB2:2A	+SHT-C04		BK 4	18 AWG Conductor / wire		+SHT-PBSE:12			1710	T/T	215"
+MP-TB2:4	+SHT-C04		BK 2	18 AWG Conductor / wire		+SHT-PBSE:11			1726	T/T	228"
+MP-TB1:5	+SHT-C23		WH	18 AWG Conductor / wire		+SHT-LS4:2			2107	*	179"
+MP-PLC:X6	+SHT-C23		BN	18 AWG Conductor / wire		+SHT-LS4:1			2104	*	179"





from	Cable	Wire	Wire des./definition	Parts From, Wire, To	to	More info				
						Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-SR1-S12	+CDT-CTL	1C	D-BL 16 AWG Conductor / wire	373140	+HMI-TB4:1			1623	T/T	145"
+MP-SR1-S13	+CDT-CTL	2C	D-BL 16 AWG Conductor / wire	373140	+HMI-TB4:2			1629	T/T	145"
+MP-TB2:1	+CDT-CTL	3C	D-BL 16 AWG Conductor / wire	373140	+HMI-TB4:3			1707	T/T	134"
+MP-TB2:2	+CDT-CTL	4C	D-BL 16 AWG Conductor / wire	373140	+HMI-TB4:4			1710	T/T	134"
+MP-TB2:3	+CDT-CTL	5C	D-BL 16 AWG Conductor / wire	373140	+HMI-TB4:5			1723	T/T	134"
+MP-TB2:4	+CDT-CTL	6C	D-BL 16 AWG Conductor / wire	373140	+HMI-TB4:6			1726	T/T	138"
+MP-SR1-S14	+CDT-CTL	7C	D-BL 16 AWG Conductor / wire	373140	+HMI-TB4:7			1629	T/T	145"
+MP-SR1-S10	+CDT-CTL	8C	D-BL 16 AWG Conductor / wire	373140	+HMI-TB4:8			1629	T/T	145"
+MP-TB1:1	+CDT-CTL	9C	D-BL 16 AWG Conductor / wire	373140	+HMI-TB4:9			1533	T/T	154"
+MP-TB1:4	+CDT-CTL	10C	D-BL 16 AWG Conductor / wire	373140	+HMI-TB4:10			2005	T/T	125"
+MP-PLC:X11	+CDT-CTL	11C	D-BL 16 AWG Conductor / wire	373140	+HMI-TB4:11			2202	T/RF	143"
+MP-PWS3-L:+	+CDT-CTL	12C	D-BL 16 AWG Conductor / wire	373140	+HMI-TB4:12			1513	T/*	154"
+MP-TB2:FU7:1	+CDT-CTL	13C	D-BL 16 AWG Conductor / wire	373140	+HMI-TB4:13			1537	T/*	165"
+MP-PLC:X17	+CDT-CTL	14C	RD 16 AWG Conductor / wire	373205	+HMI-TB4:14			2231	T/RF	155"
+MP-PLC:Y1	+CDT-CTL	15C	RD 16 AWG Conductor / wire	373205	+HMI-TB4:15			2318	T/RF	180"
+MP-MS2M:A1	+CDT-CTL	16C	RD 16 AWG Conductor / wire	373205	+HMI-TB4:16			2318	T/T	200"
+MP-MS1M1:54	+CDT-CTL	17C	RD 16 AWG Conductor / wire	373205	+HMI-TB4:17			1811	T/T	135"
+MP-TB2:FU8-1:1	+CDT-CTL	18C	RED 16 AWG Conductor / wire	373205	+HMI-TB4:18			1838	T/T	155"
+MP-TB1:16	+CDT-CTL	G1K	Y-GN 12 AWG Conductor / wire	373160	+HMI-TB4:GND			1919	T/T	146"
+MP-PLC:ENET	+CDT-CTL	GT-PLC	WHT 0.00 AWG Conductor / wire	370113;60004047	+HMI-TS-ENET			1917		
+MP	+CDT-CTL	SP1	D-BL 16 AWG Conductor / wire	373140	+HMI			2917		160"
+MP	+CDT-CTL	SP2	D-BL 16 AWG Conductor / wire	373140	+HMI			2918		160"
+MP	+CDT-CTL	SP3	D-BL 16 AWG Conductor / wire	373140	+HMI			2919		160"



# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+MP-CVFD	370113	52"		Cable Shielded Category 5E Patch Cable 14Ft With Rj-45 Connectors	PLC-VFD



# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HYD-C11	370135	81"	3	Cable, Power Quad 11, 18 Awg, 3 Cdi, Resistant	SHUTTLE REV
+HYD-C12	370135	74"	3	Cable, Power Quad 11, 18 Awg, 3 Cdi, Resistant	SHUTTLE FWD
+HYD-C13	370135	78"	3	Cable, Power Quad 11, 18 Awg, 3 Cdi, Resistant	SHUTTLE FAST
+HYD-C21	370135	82"	3	Cable, Power Quad 11, 18 Awg, 3 Cdi, Resistant	SHUTTLE VISE CLOSE
+HYD-C22	370135	66"	3	Cable, Power Quad 11, 18 Awg, 3 Cdi, Resistant	SHUTTLE VISE OPEN
+HYD-C31	370135	72"	3	Cable, Power Quad 11, 18 Awg, 3 Cdi, Resistant	FRONT VISE CLOSE
+HYD-C32	370135	64"	3	Cable, Power Quad 11, 18 Awg, 3 Cdi, Resistant	FRONT VISE OPEN
+HYD-C41	370135	66"	3	Cable, Power Quad 11, 18 Awg, 3 Cdi, Resistant	HEAD UP
+HYD-C42	370135	64"	3	Cable, Power Quad 11, 18 Awg, 3 Cdi, Resistant	DEAD DOWN
+HYD-C42-1	370135	130"	3	Cable, Power Quad 11, 18 Awg, 3 Cdi, Resistant	HEAD DOWN DRIVE SIDE
+HYD-C42-2	370135	240"	3	Cable, Power Quad 11, 18 Awg, 3 Cdi, Resistant	HEAD DOWN IDELAR SIDE
+HYD-C51	370135	82"	3	Cable, Power Quad 11, 18 Awg, 3 Cdi, Resistant	BLADE TENSION +
+HYD-C52	370135	73"	3	Cable, Power Quad 11, 18 Awg, 3 Cdi, Resistant	BLADE TENSION -
+HYD-CFAN			4		FAN

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# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HEAD-C01	370105	328"	4	Cable, 22(7) 2 Pr. Ind. Foil Shield	WORK LIGHT
+HEAD-C01-1			4		=
+HEAD-C05	370098	240"		Sensor/Actuator cable	IDLER DOOR
+HEAD-C06	370098	210"		Sensor/Actuator cable	DRIVE DOOR
+HEAD-C53	370145	190"	4	Cable, CE 18 Awg, 4 Con, Oil Resistant	BLADE TENSION S/S
+HEAD-CE1	370097	324"		Sensor/Actuator cable	FEED RATE
+HEAD-CE4	370097	252"		Sensor/Actuator cable	=
+HEAD-CP1	370097	228"		Sensor/Actuator cable	PROXIMTY SWITCH

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# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+BASE-3M	360735			Fitting, Strain Relief, 16/3 & 16/4,	COOLANT PUMP



# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+SHT-C04 +SHT-C23	370146 370094	228" 179"	5 5	Cable, CE, 18 awg, 5 conductor    ÖLFLEX® 190 Sensor/Actuator cable	SHT-ESTOP OUT OF STOCK

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# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HMI-CKP	370019		3	1FT DB9 M/F Serial RS232 Extension cable	INTERFACE-KP



# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+SAW-C44	370094	152"		Sensor/Actuator cable	HEAD DOWN



# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+CDT-CTL	370295		1	Conduit, Flexible Non Metallic Tubing, 1/4 in.	







# Parts usage indication

Part number	Qty	Designation		DT	Function text
370105	1	Cable, 22(7) 2 Pr. Ind. Foil Shield		+HEAD-C01	WORK LIGHT
392375	4	Label,Self Laminating Vinyl, 0.5"x0.75"	Laser, Brady, Used on	+HEAD-C01	=
370098	1	Sensor/Actuator cable	6-24 AWG wires	+HEAD-C05	IDLER DOOR
372759	2	Marker Bar, Unprinted, Used on M12 Cable		+HEAD-C05	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HEAD-C05	=
370098	1	Sensor/Actuator cable		+HEAD-C06	DRIVE DOOR
372759	2	Marker Bar, Unprinted, Used on M12 Cable		+HEAD-C06	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HEAD-C06	=
370145	1	Cable, CE 18 Awg, 4 Con,	Oil Resistant	+HEAD-C53	BLADE TENSION S/S
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HEAD-C53	=
370097	1	Sensor/Actuator cable	Cable, Shielded, PUR,	+HEAD-CE1	FEED RATE
372759	2	Marker Bar, Unprinted, Used on M12 Cable	10M, 4 Pole,	+HEAD-CE1	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HEAD-CE1	=
370097	1	Sensor/Actuator cable	Cable, Shielded, PUR,	+HEAD-CE4	=
372759	2	Marker Bar, Unprinted, Used on M12 Cable	10M, 4 Pole,	+HEAD-CE4	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HEAD-CE4	=
370097	1	Sensor/Actuator cable	Cable, Shielded, PUR,	+HEAD-CP1	PROXIMTY SWITCH
372759	2	Marker Bar, Unprinted, Used on M12 Cable	10M, 4 Pole,	+HEAD-CP1	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HEAD-CP1	=
371039	1	Encoder, 2500 ppr, M12 5-Pin Radial Connector		+HEAD-E1	LEHGTH ENCODER
371026	1	Encoder, 8192 ppr,	M12 5-Pin Radial	+HEAD-E4	FEED RATE ENCODER
372547	1	Switch, Safety, Hinge Acuator with	comes with	+HEAD-LS7	IDLER DOOR
372547	1	Switch, Safety, Hinge Acuator with	comes with	+HEAD-LS8	DRIVE DOOR
372423	1	Sensor, Proximity, 4mm Sensing,	with M12 Connector	+HEAD-P1	PROXIMTY SWICH NPN
373351	1	Enclosure IP65, 3 X 3 X 2, CSA, UL,	comes with adapter, BT	+HEAD-SS5	BLADE TENSION
391620	1	Label, Blade Tension, +/-run/H/-,	Silver Overlay, NA 'H' &	+HEAD-SS5	=
372636	1	black selector switch head Ø22 3-position stay put	'V' Machines	+HEAD-SS5	=
370586	1	single contact block with body/fixing collar 2NO screw clamp termil		+HEAD-SS5	=
370510	1	Connector, 1/2 in. NPT,Liquid Tight,	Liquid Tight,	+HEAD-SS5	=
50003193	1	LED Square 4in work light 27 Watt 24VDC**		+HEAD-WL	WORK LIGHT LED
372760	2	Terminal, 12 Pole 22-14 Awg, 20A, 300V		+HEAD-WL	=



# Parts usage indication

Part number	Qty	Designation		DT	Function text
370135	1	Cable, Power Quad 11, 18 Awg, 3 Con,	Oil Resistant	+HYD-C11	SHUTTLE REV
370224	1	Capacitor, 0.33Uf, 250VDC, 10%		+HYD-C11	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%		+HYD-C11	=
371455	1	Heat Shrink, Black, 3/32		+HYD-C11	=
370500	1	Connector, Hirschmann		+HYD-C11	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HYD-C11	=
370135	1	Cable, Power Quad 11, 18 Awg, 3 Con,	Oil Resistant	+HYD-C12	SHUTTLE FWD
370224	1	Capacitor, 0.33Uf, 250VDC, 10%		+HYD-C12	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%		+HYD-C12	=
371455	1	Heat Shrink, Black, 3/32		+HYD-C12	=
370500	1	Connector, Hirschmann		+HYD-C12	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HYD-C12	=
370135	1	Cable, Power Quad 11, 18 Awg, 3 Con,	Oil Resistant	+HYD-C13	SHUTTLE FAST
370224	1	Capacitor, 0.33Uf, 250VDC, 10%		+HYD-C13	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%		+HYD-C13	=
371455	1	Heat Shrink, Black, 3/32		+HYD-C13	=
370500	1	Connector, Hirschmann		+HYD-C13	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HYD-C13	=
370135	1	Cable, Power Quad 11, 18 Awg, 3 Con,	Oil Resistant	+HYD-C21	SHUTTLE VISE CLOSE
370224	1	Capacitor, 0.33Uf, 250VDC, 10%		+HYD-C21	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%		+HYD-C21	=
371455	1	Heat Shrink, Black, 3/32		+HYD-C21	=
370500	1	Connector, Hirschmann		+HYD-C21	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HYD-C21	=
370135	1	Cable, Power Quad 11, 18 Awg, 3 Con,	Oil Resistant	+HYD-C22	SHUTTLE VISE OPEN
370224	1	Capacitor, 0.33Uf, 250VDC, 10%		+HYD-C22	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%		+HYD-C22	=
371455	1	Heat Shrink, Black, 3/32		+HYD-C22	=
370500	1	Connector, Hirschmann		+HYD-C22	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HYD-C22	=
370135	1	Cable, Power Quad 11, 18 Awg, 3 Con,	Oil Resistant	+HYD-C31	FRONT VISE CLOSE
370224	1	Capacitor, 0.33Uf, 250VDC, 10%		+HYD-C31	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%		+HYD-C31	=
371455	1	Heat Shrink, Black, 3/32		+HYD-C31	=
370500	1	Connector, Hirschmann		+HYD-C31	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HYD-C31	=
370135	1	Cable, Power Quad 11, 18 Awg, 3 Con,	Oil Resistant	+HYD-C32	FRONT VISE OPEN



# Parts usage indication

Part number	Qty	Designation		DT	Function text
370224	1	Capacitor, 0.33Uf, 250VDC, 10%		+HYD-C32	FRONT VISE OPEN
372415	1	Resistor, 150 Ohm, 2W, Mf 5%		+HYD-C32	=
371455	1	Heat Shrink, Black, 3/32		+HYD-C32	=
370500	1	Connector, Hirschmann		+HYD-C32	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HYD-C32	=
370135	1	Cable, Power Quad 11, 18 Awg, 3 Con,	Oil Resistant	+HYD-C41	HEAD UP
370224	1	Capacitor, 0.33Uf, 250VDC, 10%		+HYD-C41	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%		+HYD-C41	=
371455	1	Heat Shrink, Black, 3/32		+HYD-C41	=
370500	1	Connector, Hirschmann		+HYD-C41	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HYD-C41	=
370135	1	Cable, Power Quad 11, 18 Awg, 3 Con,	Oil Resistant	+HYD-C42	DEAD DOWN
370224	1	Capacitor, 0.33Uf, 250VDC, 10%		+HYD-C42	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%		+HYD-C42	=
371455	1	Heat Shrink, Black, 3/32		+HYD-C42	=
370500	1	Connector, Hirschmann		+HYD-C42	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HYD-C42	=
370135	1	Cable, Power Quad 11, 18 Awg, 3 Con,	Oil Resistant	+HYD-C42-1	HEAD DOWN
370224	1	Capacitor, 0.33Uf, 250VDC, 10%		+HYD-C42-1	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%		+HYD-C42-1	=
371455	1	Heat Shrink, Black, 3/32		+HYD-C42-1	=
370500	1	Connector, Hirschmann		+HYD-C42-1	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HYD-C42-1	=
370135	1	Cable, Power Quad 11, 18 Awg, 3 Con,	Oil Resistant	+HYD-C42-2	HEAD DOWN
370224	1	Capacitor, 0.33Uf, 250VDC, 10%		+HYD-C42-2	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%		+HYD-C42-2	=
371455	1	Heat Shrink, Black, 3/32		+HYD-C42-2	=
370500	1	Connector, Hirschmann		+HYD-C42-2	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HYD-C42-2	=
370135	1	Cable, Power Quad 11, 18 Awg, 3 Con,	Oil Resistant	+HYD-C51	BLADE TENSION +
370224	1	Capacitor, 0.33Uf, 250VDC, 10%		+HYD-C51	=
372415	1	Resistor, 150 Ohm, 2W, Mf 5%		+HYD-C51	=
371455	1	Heat Shrink, Black, 3/32		+HYD-C51	=
370500	1	Connector, Hirschmann		+HYD-C51	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+HYD-C51	=
370135	1	Cable, Power Quad 11, 18 Awg, 3 Con,	Oil Resistant	+HYD-C52	BLADE TENSION -
370224	1	Capacitor, 0.33Uf, 250VDC, 10%		+HYD-C52	=





# Parts usage indication

Part number	Qty	Designation	DT	Function text
372415	1	Resistor, 150 Ohm, 2W, Mf 5%	+HYD-C52	BLADE TENSION -
371455	1	Heat Shrink, Black, 3/32	+HYD-C52	=
370500	1	Connector, Hirschmann	+HYD-C52	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C52	=

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# Parts usage indication

Part number	Qty	Designation		DT	Function text
370094	1	Sensor/Actuator cable		+SAW-C44	HEAD DOWN
372759	2	Marker Bar, Unprinted, Used on M12 Cable		+SAW-C44	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+SAW-C44	=
372524	1	Switch, Limit, 1NO & 1NC, M12 Connector	1NO & 1NC, M12	+SAW-LS2	=
373313	1	Switch, Actuator, Rotary Head	Without lever, Spring	+SAW-LS2	=
373314	1	Lever, Roller, Thermoplastic	Return	+SAW-LS2	=



# Parts usage indication

Part number	Qty	Designation		DT	Function text
370146	1	Cable, CE, 18 awg, 5 conductor	ÖLFLEX® 190	+SHT-C04	SHT-ESTOP
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+SHT-C04	=
370094	1	Sensor/Actuator cable		+SHT-C23	OUT OF STOCK
372759	2	Marker Bar, Unprinted, Used on M12 Cable		+SHT-C23	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+SHT-C23	=
373313	1	Switch, Actuator, Rotary Head	without lever, Spring	+SHT-LS4	=
372524	1	Switch, Limit, 1NO & 1NC, M12 Connector	1NO & 1NC, M12	+SHT-LS4	=
373314	1	Lever, Roller, Thermoplastic	Connector	+SHT-LS4	=
372326	1	red Ø40 Emergency stop, switching off head Ø22 trigger and latching push-pull		+SHT-PBSE	E Stop
370571	1	single contact block with body/fixing collar 1NC screw clamp termil		+SHT-PBSE	=
370529	1	single contact block for head Ø22 1NC silver alloy screw clamp termil		+SHT-PBSE	=
	1	Mounting Collar for 395569		+SHT-PBSE	=
371005	1	Enclosure, Plastic,	For Push Button Station,	+SHT-PBSE	=

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H18ASV-CE-Option  
H18ASV-CE-7-00-1E  
ECN:01742

HYD-MECH CANADA  
P.O. BOX 1659  
WOODSTOCK, ON



Parts list:

Modification date 11/29/19  
Modified by wabdou

Check.  
Form DIN\_TNP\_30\_CUSTOMER R5

# Parts usage indication

Part number	Qty	Designation	DT	Function text
370019	1	1FT DB9 M/F Serial RS232 Extension cable	+HMI-CKP	INTERFACE-KP
60004002	1	HYDMECH CUSTOM KEYPAD	+HMI-KP	KEYPAD
372621	1	black selector switch head Ø22 2-position- Ronis 455	+HMI-KS1	BLADE CHANGE
370586	1	single contact block with body/fixing collar 2NO screw clamp termil	+HMI-KS1	=
370529	1	single contact block for head Ø22 1NC silver alloy screw clamp termil	+HMI-KS1	=
370532	2	single contact block for head Ø22 1NO silver alloy screw clamp termil	+HMI-KS1	=
372326	1	red Ø40 Emergency stop, switching off head Ø22 trigger and latching push-pull	+HMI-PB1	E Stop
370571	1	single contact block with body/fixing collar 1NC screw clamp termil	+HMI-PB1	=
370529	3	single contact block for head Ø22 1NC silver alloy screw clamp termil	+HMI-PB1	=
370576	1	single contact block with body/fixing collar 1NO screw clamp termil	+HMI-PB24	ENABLE
372301	1	yellow flush pushbutton head Ø22 spring return unmarked	+HMI-PB24	=
372857	1	Feed-through terminal block	+HMI-TB4:1	SAFETY CCT
	1		+HMI-TB4:2	=
	1		+HMI-TB4:3	=
	1		+HMI-TB4:4	=
	1		+HMI-TB4:5	=
	1		+HMI-TB4:6	=
	1		+HMI-TB4:7	=
	1		+HMI-TB4:8	=
	1		+HMI-TB4:11	ENABLE PB
	1		+HMI-TB4:12	BCM
	1		+HMI-TB4:13	=
	1		+HMI-TB4:14	=
	1		+HMI-TB4:15	=
	1		+HMI-TB4:16	=
	1		+HMI-TB4:17	=
	1		+HMI-TB4:18	=
372757	1	Zack marker strip	Used With Type St 2.5 +HMI-TB4:1	SAFETY CCT
	1		+HMI-TB4:2	=
	1		+HMI-TB4:3	=
	1		+HMI-TB4:4	=
	1		+HMI-TB4:5	=
	1		+HMI-TB4:6	=
	1		+HMI-TB4:7	=
	1		+HMI-TB4:8	=
	1		+HMI-TB4:11	ENABLE PB
	1		+HMI-TB4:12	BCM



# Parts usage indication

Part number	Qty	Designation	DT	Function text
	1		+HMI-TB4:13	BCM
	1		+HMI-TB4:14	=
	1		+HMI-TB4:15	=
	1		+HMI-TB4:16	=
	1		+HMI-TB4:17	=
	1		+HMI-TB4:18	=
371073	2	End clamp	+HMI-TB4:1	SAFETY CCT
372335	8	Rail, Din 35 x 7, 5 Slotted 2M	+HMI-TB4:1	=
372710	1	Feed-through terminal	Terminal 20-10 Awg 600V Csa=40A UI=30A	+ TS
	1		+HMI-TB4:9	- TS
372755	1	Terminal Markers, Marcom	Beige	+ TS
	1		+HMI-TB4:10	- TS
372329	1	Ground modular terminal block	+HMI-TB4:GND	HMI TERMINALS
372754	1	Zack marker strip	Used With Type St 1.5	=
60004000	1	GS2107-WTBD	+HMI-TS	INTERFACE

# Parts usage indication

Part number	Qty	Designation		DT	Function text
372385	1	Relay Base, Surface Mount,	Used with DPDT relay	+MP-CR6	COOLANT RELAY
372390	1	Relay, Dpdt, 5 Amp Switching,	Plug In, ac 120V	+MP-CR6	=
370113	1	Cable Shielded Category 5E Patch Cable 14Ft With Rj-45 Connectors		+MP-CVFD	PLC-VFD
371085	1	Fan Cord, Cooling Rotron Cord 60 in.		+MP-M4-1	MP EXHAUST
371090	1	Fan Guard, Cooling Guard		+MP-M4-1	=
371100	1	Fan, Cooling, 115V, 0.2/0.18A, 50/60HZ,	Impedance Protected,	+MP-M4-1	=
370561	1	Auxiliary contact block TeSys - 2 NO + 0 NC,screw-clamps terminals	Surface Mount terminals	+MP-MS1M1	HYDRAULIC MTR
60004719	1	Power Supply I/P100-240VAC. 2.5A, O/P:22-28VDC, 5A, 120W,		+MP-PWS3	POWER SUPPLY
371569	1	Relay, Safety, 24VDC	3N/O & 1N/C O/P	+MP-SR1	SAFETY RELAY
372327	1	Feed-through terminal block		+MP-TB1:1	24VDC
	1			+MP-TB1:2	=
	1			+MP-TB1:3	0VDC
	1			+MP-TB1:4	=
	1			+MP-TB1:5	=
	1			+MP-TB1:6	=
	1			+MP-TB1:7	=
	1			+MP-TB1:8	NEUT
	1			+MP-TB1:9	=
	1			+MP-TB1:10	=
	1			+MP-TB1:11	=
	1			+MP-TB1:12	=
	1			+MP-TB1:13	=
	1			+MP-TB1:14	=
372757	1	Zack marker strip	Used With Type St 2.5	+MP-TB1:1	24VDC
	1			+MP-TB1:2	=
	1			+MP-TB1:3	0VDC
	1			+MP-TB1:4	=
	1			+MP-TB1:5	=
	1			+MP-TB1:6	=
	1			+MP-TB1:7	=
	1			+MP-TB1:8	NEUT
	1			+MP-TB1:9	=
	1			+MP-TB1:10	=
	1			+MP-TB1:11	=
	1			+MP-TB1:12	=
	1			+MP-TB1:13	=
	1			+MP-TB1:14	=



# Parts usage indication

Part number	Qty	Designation		DT	Function text
370067	1	Plug-in bridge	Used With Type St 1.5	+MP-TB1:1	24VDC
	1			+MP-TB1:12	NEUT
	1			+MP-TB1:13	=
371073	3	End clamp		+MP-TB1:1	24VDC
372335	18	Rail, Din 35 x 7, 5 Slotted 2M		+MP-TB1:1	=
370068	1	Plug-in bridge	Used With Type St 1.5	+MP-TB1:3	0VDC
	1			+MP-TB1:8	NEUT
372329	1	Ground modular terminal block		+MP-TB1:15	GND
	1			+MP-TB1:16	=
	1			+MP-TB1:17	=
	1			+MP-TB1:18	=
	1			+MP-TB1:19	=
	1			+MP-TB1:20	=
372754	1	Zack marker strip	Used With Type St 1.5	+MP-TB1:15	=
	1			+MP-TB1:16	=
	1			+MP-TB1:17	=
	1			+MP-TB1:18	=
	1			+MP-TB1:19	=
	1			+MP-TB1:20	=
372327	1	Feed-through terminal block		+MP-TB2:1	SAFETY CCT
	1			+MP-TB2:1A	=
	1			+MP-TB2:2	=
	1			+MP-TB2:2A	=
	1			+MP-TB2:3	=
	1			+MP-TB2:4	=
	1			+MP-TB2:5	=
	1			+MP-TB2:6	=
	1			+MP-TB2:7	120V AC
	1			+MP-TB2:8	BT+
	1			+MP-TB2:9	BT-
	1			+MP-TB2:10	BT
	1			+MP-TB2:11	RUN
372757	1	Zack marker strip	Used With Type St 2.5	+MP-TB2:1	SAFETY CCT
	1			+MP-TB2:1A	=
	1			+MP-TB2:2	=
	1			+MP-TB2:2A	=
	1			+MP-TB2:3	=



# Parts usage indication

Part number	Qty	Designation		DT	Function text
	1			+MP-TB2:4	SAFETY CCT
	1			+MP-TB2:5	=
	1			+MP-TB2:6	=
	1			+MP-TB2:7	120V AC
	1			+MP-TB2:8	BT+
	1			+MP-TB2:9	BT-
	1			+MP-TB2:10	BT
	1			+MP-TB2:11	RUN
370067	1	Plug-in bridge	Used With Type St 1.5	+MP-TB2:1A	SAFETY CCT
	1			+MP-TB2:2A	=
	1			+MP-TB2:10	BT
372802	1	Fuse modular terminal block		+MP-TB2:FU1	8A TD
	1			+MP-TB2:FU7	2A FAST
	1			+MP-TB2:FU9	5A TD
	1			+MP-TB2:FU8-0	3A TD
	1			+MP-TB2:FU8-1	=
	1			+MP-TB2:FU8-2	=
	1			+MP-TB2:FU8-3	=
	1			+MP-TB2:FU8-4	=
	1			+MP-TB2:FU8-5	=
372756	1	Terminal Markers, Unprinted,	Used with ZFK Fuse Terminals	+MP-TB2:FU1	8A TD
	1			+MP-TB2:FU7	2A FAST
	1			+MP-TB2:FU9	5A TD
	1			+MP-TB2:FU8-0	3A TD
	1			+MP-TB2:FU8-1	=
	1			+MP-TB2:FU8-2	=
	1			+MP-TB2:FU8-3	=
	1			+MP-TB2:FU8-4	=
	1			+MP-TB2:FU8-5	=
371280	1	Fuse, Fast Acting, 8 Amp, 600V		+MP-TB2:FU1	8A TD
371285	1	Fuse, Fast Acting, 2A	Glass 1/4 x 1-1/4	+MP-TB2:FU7	2A FAST
371365	1	Fuse, Time Delay, 5 AMP	Glass 1/4 x 1-1/4	+MP-TB2:FU9	5A TD
371290	1	Fuse, Time Delay, 3 AMP	Glass 1/4 x 1-1/4	+MP-TB2:FU8-0	3A TD
	1			+MP-TB2:FU8-1	=
	1			+MP-TB2:FU8-2	=
	1			+MP-TB2:FU8-3	=
	1			+MP-TB2:FU8-4	=











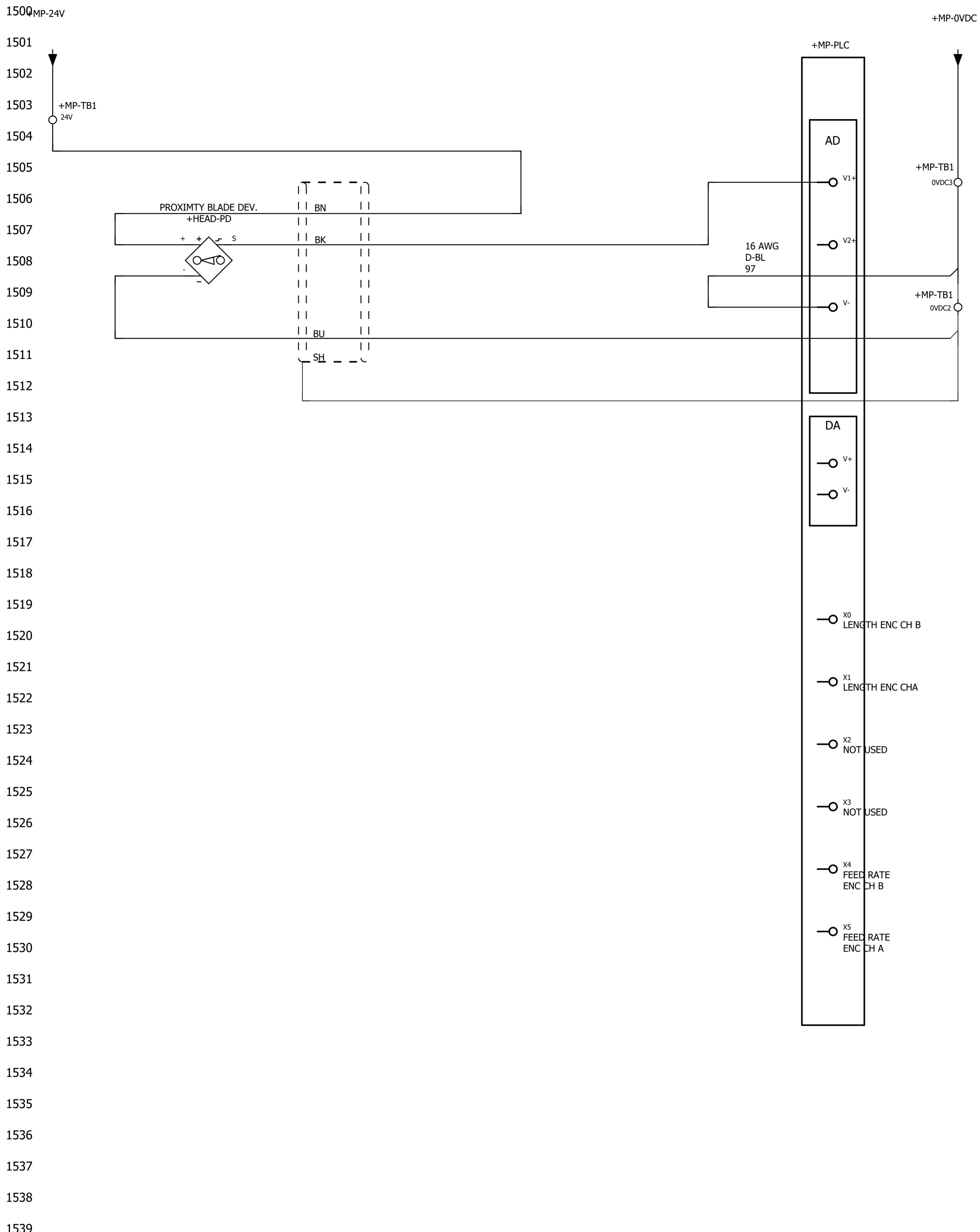


**HYD-MECH CANADA**  
 1079 PARKINSON ROAD  
 P.O. BOX 1659  
 WOODSTOCK, ON  
 N4S 0A9  
 CANADA  
 Phone. 1-877-237-0914



ECN Number:	01695		
Project description	H18A-Blade Deviation (Option)		
Schematic #	H18SV-NA-7-09-1A		
Manufacturer (company)	HYD-MECH CANADA		
Path			
Project name	H18ASV-NA-7-09-1A		
Make	H18SV		
Type			
Place of installation			
Responsible for project	WA		
Part feature			
Created on	11/04/19		
Edit date	12/04/19	by (short name) wabdou	Number of pages 18

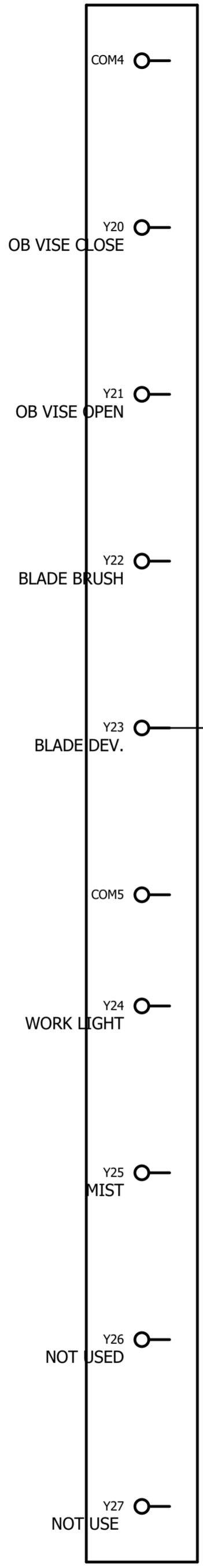




1600 24VDC (1638)

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1638 24VDC (1600)

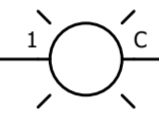
+MP-PLC  
OUTPUT MODULE



150"  
+HYD-BDLT  
WARNING BD.LT

18 AWG  
BK 1

WARNING BLADE DEFECTION  
+HEAD-LTBD



+HYD-BDLT

18 AWG  
BK 2

+MP-TB2  
NEUT









0 1 2 3 4 5 6 7 8 9

from	Cable	Wire	Wire des./definition	Parts From, Wire, To	to	More info.				
						Jumper	Conducto	Page	Conductor End	LENGTH (Inches)
+MP-TB1:24V	+HEAD-CBD		BN Conductor / wire		+HEAD-PD:+			1503	T	244"
+MP-PLC:V1+	+HEAD-CBD		BK Conductor / wire		+HEAD-PD:S			1505	T	244"
+MP-TB1:0VDC2	+HEAD-CBD		BU Conductor / wire		+HEAD-PD:-			1509	T	244"
+MP-TB1:0VDC2	+HEAD-CBD		SH Conductor / wire		+HEAD-CBD			1509	T	244"

# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HYD-BDLT	370145	150"	4	Cable, CE 18 Awg, 4 Con, Oil Resistant	WARNING BD.LT

Next page  
1301



# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HEAD-CBD	370101	244"		Sensor/Actuator cable	PROXIMTY SWITCH











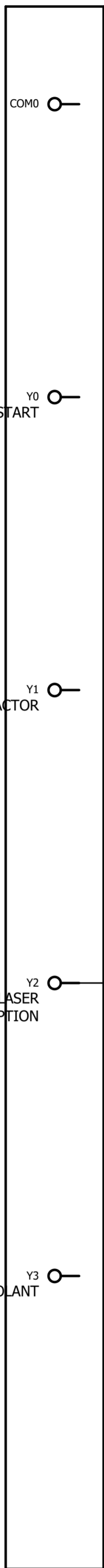
**HYD-MECH CANADA**  
 1079 PARKINSON ROAD  
 P.O. BOX 1659  
 WOODSTOCK, ON  
 N4S 0A9  
 CANADA  
 Phone. 1-877-237-0914



ECN Number:	01695
Project description	H18_Laser Option
Schematic #	H18ASV-NA-7-11B
Manufacturer (company)	HYD-MECH CANADA
Path	
Project name	H18ASV-NA-7-011B-1
Make	H18ASV
Type	
Place of installation	
Responsible for project	WA
Part feature	
Created on	10/22/19
Edit date	12/04/19
	by (short name) wabdou
	Number of pages 11

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+MP-PLC  
OUTPUTS  
MP



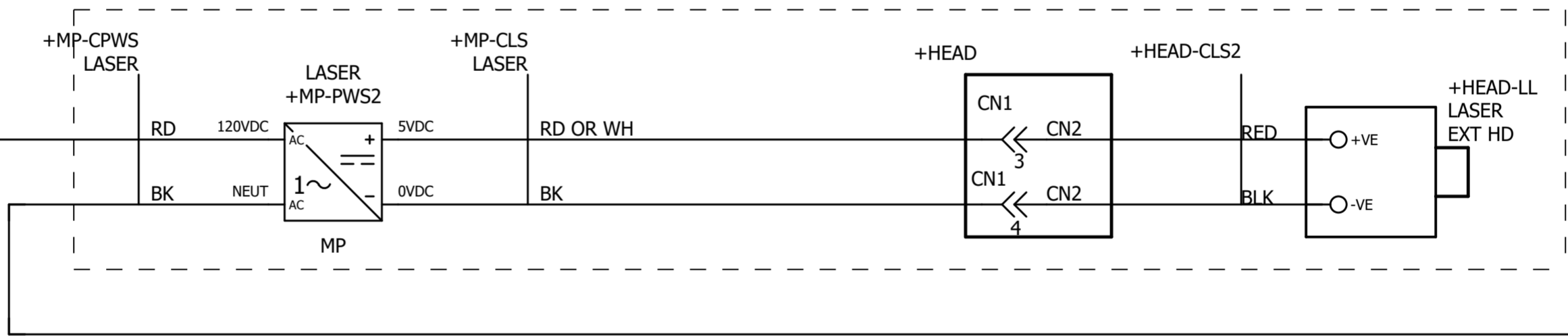
HYDRAULIC START

2M CONTACTOR

Y2  
LASER  
OPTION

Y3  
COOLANT

ALL IN ONE PACKAGE



+MP-TB1  
14  
MP







# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+MP-CPWS					LASER







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ECN Number:	01695
Project description	H18_Mist Option
Schematic #	H18ASV-NA-7-2A
Manufacturer (company)	HYD-MECH CANADA
Path	
Project name	H18ASV-NA-7-02-1A
Make	H18ASV
Type	
Place of installation	
Responsible for project	WA
Part feature	
Created on	10/22/19
Edit date	12/04/19
	by (short name) wabdou
	Number of pages 9

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+MP-PLC

COM4

Y20

OVB CLOSE (OPTION)

Y21

OVB OPEN (OPTION)

Y22

BLADE BRUSH  
H22 ONLY

Y23

BLADE DEV

COM5

Y24

WORK LIGHT

Y25

MIST (OPTION)

Y26

NOT USED

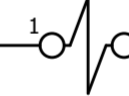
Y27

NOT USE

89"  
+SAW-C5M  
MIST

BK1

+SAW-5M  
MIST



89"  
+SAW-C5M

BK2

+MP-TB1  
3 0VDC



# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+SAW-C5M	370144	89"	3	Cable, CE, 19Awg Oil Resistant ÖLFLEX 191 3G0,75	MIST

Next page  
1700





# Parts usage indication

Part number	Qty	Designation	DT	Function text
370144	1	Cable, CE, 19Awg Oil Resistant	ÖLFLEX 191 3G0,75	+SAW-C5M MIST
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+SAW-C5M =
392375	1	Label, Self Laminating Vinyl, 0.5"x0.75"	Laser, Brady, Used on	+SAW-C5M =
363311	1	Valve, Solenoid, 24Vdc	60-1113 system	+SAW-5M =

Next page



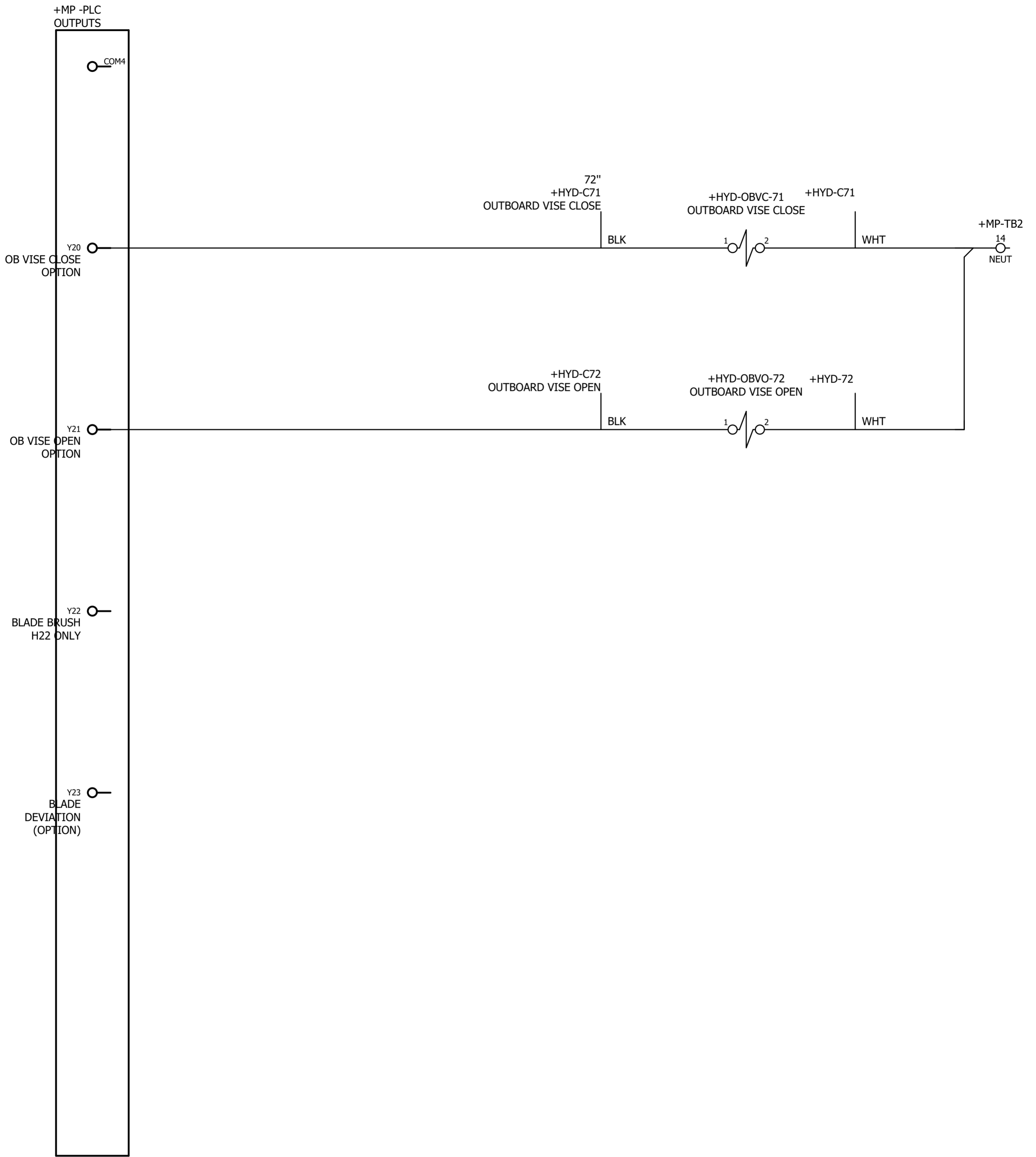


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ECN Number:	01695
Project description	H18A-Out Bourd Vise Option
Schematic #	H18ASV-NA-7-01-1A
Manufacturer (company)	HYD-MECH CANADA
Path	
Project name	H18ASV-NA-7-01-1A
Make	H18ASV
Type	
Place of installation	
Responsible for project	WA
Part feature	
Created on	10/22/19
Edit date	12/04/19
	by (short name) wabdou
	Number of pages 10

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from	<div style="text-align: center;">Length x mm²(AWG) color</div> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <span>Cable</span> <span>Wire</span> <div style="border-bottom: 1px solid black; width: 50px; height: 10px; margin: 0 auto;"></div> <span>Wire des./definition</span> </div> <div style="text-align: right; margin-top: 5px;">Parts From, Wire, To</div>	to	More info				
			Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TB2:14	+HYD-C71	0.00 AWG WHT Conductor / wire			1509	T	72"
+MP-TB2:14	+HYD-C72	0.00 AWG WHT Conductor / wire			1509	T	72"
+MP-PLC:Y20	+HYD-C71	0.00 AWG BLK Conductor / wire			1509	RF	72"
+MP-PLC:Y21	+HYD-C72	0.00 AWG BLK Conductor / wire			1514	RF	72"

H18A-Out Bourd Vise Option  
 H18ASV-NA-7-01-1A  
 ECN:01695

HYD-MECH CANADA  
 P.O. BOX 1659  
 WOODSTOCK, ON



Wire list:  
 Modification date 12/04/19  
 Modified by wabdou  
 Check.  
 Form DIN\_VRL\_70\_5\_Inch\_P8 R3

# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HYD-C71	370215	72"	3	Cable, Yellow, 16-3C Sjtow	OUTBOARD VISE CLOSE
+HYD-C72	370215	72"	3	Cable, Yellow, 16-3C Sjtow	OUTBOARD VISE OPEN



# Parts usage indication

Part number	Qty	Designation	DT	Function text
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C71	OUTBOARD VISE CLOSE
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C71	=
371455	1	Heat Shrink, Black, 3/32	+HYD-C71	=
370500	1	Connector, Hirschmann	+HYD-C71	=
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C71	=
370215	1	Cable, Yellow, 16-3C Sjtow	+HYD-C72	OUTBOARD VISE OPEN
360735	1	Fitting, Strain Relief, 16/3 & 16/4,	+HYD-C72	=
371455	1	Heat Shrink, Black, 3/32	+HYD-C72	=
370500	1	Connector, Hirschmann	+HYD-C72	=
370224	1	Capacitor, 0.33Uf, 250VDC, 10%	+HYD-C72	=
363310	1	Valve, Solenoid, 120V / 60Hz,110V /50Hz,	5.4W, 120PSI, for Cool-Mist system	OUTBOARD VISE CLOSE
363310	1	Valve, Solenoid, 120V / 60Hz,110V /50Hz,	5.4W, 120PSI, for Cool-Mist system	OUTBOARD VISE OPEN

Next page





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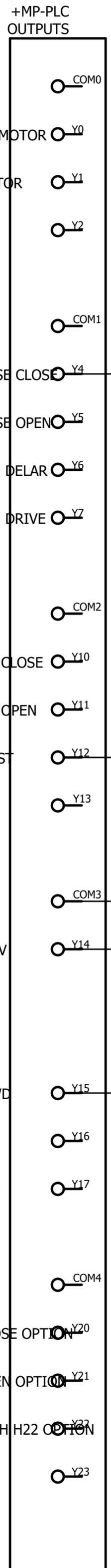


ECN Number:	01742		
Project description	H18A-Shuttle Home LS.(Option)		
Schematic #	H18SV-NA-7-017-1A		
Manufacturer (company)	HYD-MECH CANADA		
Path			
Project name	H18A-NA-7-017-1A		
Make	H18SV		
Type			
Place of installation			
Responsible for project	WA		
Part feature			
Created on	11/27/19		
Edit date	12/03/19	by (short name) wabdou	Number of pages 14

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CONVEYOR CONTROL PANEL (PPCP)

SAW MAIN PANEL



HYDRAULIC MOTOR  
2M CONTACTOR  
LASER OPTION

SHUTTLE VISE CLOSE  
SHUTTLE VISE OPEN  
HEAD DOWN DELAR  
HEAD DOWN DRIVE

FRONT VISE CLOSE  
FRONT VISE OPEN  
SHUTTLE FAST

SHUTTLE REV

SHUTTLE FWD  
HEAD UP  
HEAD DOWN

OB VISE CLOSE OPTION  
OB VISE OPEN OPTION  
BLADE BRUSH H22 OPTION  
NOT USED

RED 16 AWG Y4

+MP-TB1 SVC

WIRE FROM CONVEYOR CONTROL PANEL (PPCP)

+PPCP:SVC

RED 16 AWG Y12

+MP-TB1 FST

WIRE FROM CONVEYOR CONTROL PANEL (PPCP)

+PPCP:FST

RED 16 AWG Y14

+MP-TB1 REV

+PPCP:REV

RED 16 AWG Y15

SHUTTLE HOME +SHT-C19  
+MP-TB1 FWD1

SHUTTLE HOME +SHT-LS19  
BN 1 2

SHUTTLE HOME +SHT-C19  
WH

+MP-TB1 FWD2

WIRE FROM CONVEYOR CONTROL PANEL (PPCP)

+PPCP:FWD

+MP-TB1 14

WIRE FROM CONVEYOR CONTROL PANEL (PPCP)

+0VDC:NEUT





from	Cable	Wire	Wire des./definition	Parts From, Wire, To	to	More info. Jumper	Conductors	Page	Conductor End	LENGTH (Inches)
+MP-TB1:SVC			Conductor / wire		+PPCP:SVC			1512		
+MP-TB1:FST			Conductor / wire		+PPCP:FST			1520		
+MP-PLC:COM3			Conductor / wire		+PPCP:REV			1523		
+MP-TB1:FWD2			Conductor / wire		+PPCP:FWD			1528		
+MP-TB1:14			Conductor / wire		+0VDC:NEUT			1537		
+MP-PLC:Y4		Y4	RED 16 AWG Conductor / wire	373205;392375	+MP-TB1:SVC			1512		
+MP-PLC:Y12		Y12	RED 16 AWG Conductor / wire	373205;392375	+MP-TB1:FST			1520		
+MP-PLC:Y14		Y14	RED 16 AWG Conductor / wire	373205;392375	+MP-TB1:REV			1525		
+MP-PLC:Y15		Y15	RED 16 AWG Conductor / wire	373205;392375	+MP-TB1:FWD1			1528		



from

Cable

Wire

Wire des./definition

Parts From, Wire, To

to

More info

		Length x mm <sup>2</sup> (AWG) color 			⌋ Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-TB1:FWD2	+SHT-C19		WH				1528	*	179"
+MP-TB1:FWD1	+SHT-C19		BN				1528	*	179"
			18 AWG Conductor / wire						
			18 AWG Conductor / wire						



# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+SHT-C19	370094	179"	5	Sensor/Actuator cable	SHUTTLE HOME





# Parts usage indication

Part number	Qty	Designation		DT	Function text
370094	1	Sensor/Actuator cable		+SHT-C19	SHUTTLE HOME
372759	2	Marker Bar, Unprinted, Used on M12 Cable		+SHT-C19	=
360735	1	Fitting, Strain Relief, 16/3 & 16/4,		+SHT-C19	=
392375	2	Label,Self Laminating Vinyl, 0.5"x0.75"	Laser, Brady, Used on	+SHT-C19	=
373313	1	Switch, Actuator, Rotary Head	without wire	+SHT-LS19	SHUTTLE HOME
372524	1	Switch, Limit, 1NO & 1NC, M12 Connector	NO & 1NC, M12	+SHT-LS19	=
373314	1	Lever, Roller, Thermoplastic	Connector	+SHT-LS19	=



# Parts usage indication

Part number	Qty	Designation		DT	Function text
372327	1	Feed-through terminal block		+MP-TB1:FST	
	1			+MP-TB1:FWD1	
	1			+MP-TB1:FWD2	
	1			+MP-TB1:REV	
	1			+MP-TB1:SVC	
372754	1	Zack marker strip	Used With Type St 1.5	+MP-TB1:FST	
	1			+MP-TB1:FWD1	
	1			+MP-TB1:FWD2	
	1			+MP-TB1:REV	
	1			+MP-TB1:SVC	
372328	1	End cover	Used With Typ St 1.5 & 2.5	+MP-TB1:SVC	

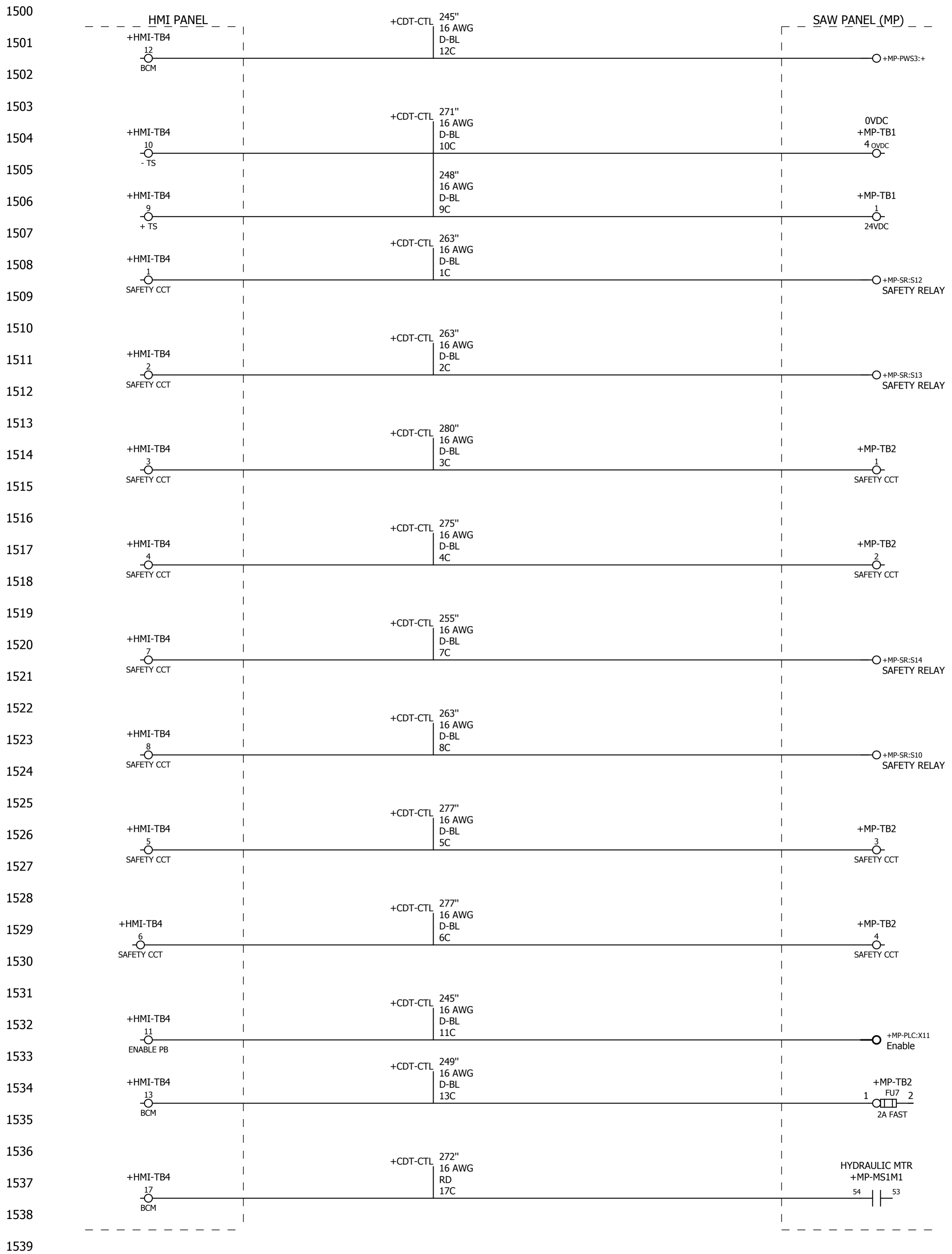


**HYDMECH CANADA CORP**

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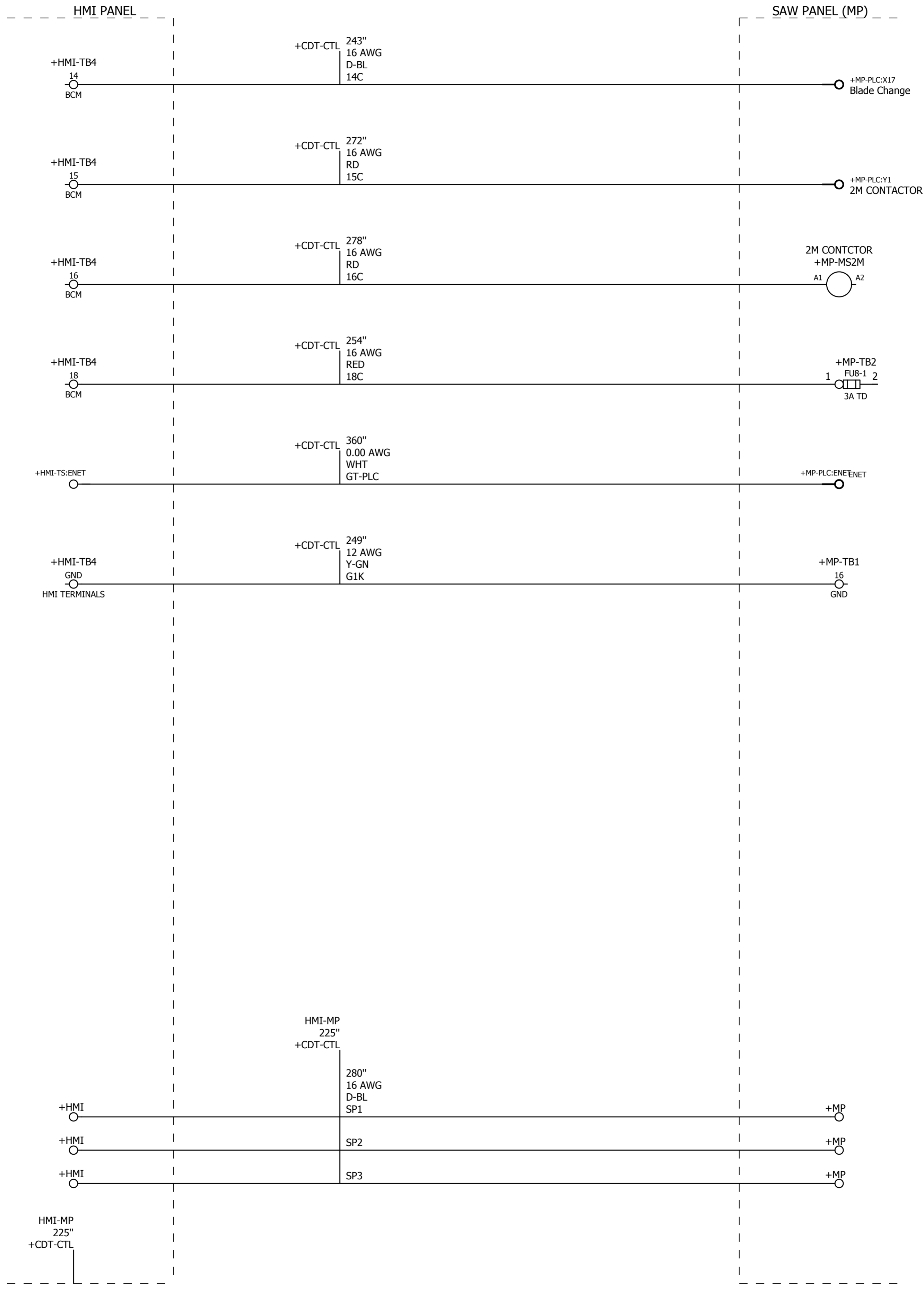


ECN Number:	01866		
Project description	10 FEET REMOTE CONSOLE OPTION		
Schematic #	H22A-NA-7-022-1		
Manufacturer (company)	HYDMECH CANADA CORP		
Path			
Project name	H22A-NA-7-022-1		
Make	H18A, H22A,		
Type	REMOTE CONSOLE OPTION TOUCH SCREEN SAW		
Place of installation			
Responsible for project	JSH		
Part feature			
Created on	06/18/20		
Edit date	06/18/20	by (short name) jhayre	Number of pages 13





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from	Cable	Wire	Wire des./definition	Parts From, Wire, To	to	More info				
						Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+HMI-TB4:1	+CDT-CTL	1C	D-BL 16 AWG Conductor / wire	373140	+MP-SR:S12			1508	T/T	263"
+HMI-TB4:2	+CDT-CTL	2C	D-BL 16 AWG Conductor / wire	373140	+MP-SR:S13			1511	T/T	263"
+HMI-TB4:3	+CDT-CTL	3C	D-BL 16 AWG Conductor / wire	373140	+MP-TB2:1			1514	T/T	280"
+HMI-TB4:4	+CDT-CTL	4C	D-BL 16 AWG Conductor / wire	373140	+MP-TB2:2			1517	T/T	275"
+HMI-TB4:5	+CDT-CTL	5C	D-BL 16 AWG Conductor / wire	373140	+MP-TB2:3			1526	T/T	277"
+HMI-TB4:6	+CDT-CTL	6C	D-BL 16 AWG Conductor / wire	373140	+MP-TB2:4			1529	T/T	277"
+HMI-TB4:7	+CDT-CTL	7C	D-BL 16 AWG Conductor / wire	373140	+MP-SR:S14			1520	T/T	255"
+HMI-TB4:8	+CDT-CTL	8C	D-BL 16 AWG Conductor / wire	373140	+MP-SR:S10			1523	T/T	263"
+HMI-TB4:9	+CDT-CTL	9C	D-BL 16 AWG Conductor / wire	373140	+MP-TB1:1			1506	T/T	248"
+HMI-TB4:10	+CDT-CTL	10C	D-BL 16 AWG Conductor / wire	373140	+MP-TB1:4			1504	T/T	271"
+HMI-TB4:11	+CDT-CTL	11C	D-BL 16 AWG Conductor / wire	373140	+MP-PLC:X11			1533	T/RF	245"
+HMI-TB4:12	+CDT-CTL	12C	D-BL 16 AWG Conductor / wire	373140	+MP-PWS3:+			1501	T/*	245"
+HMI-TB4:13	+CDT-CTL	13C	D-BL 16 AWG Conductor / wire	373140	+MP-TB2:FU7:1			1535	T/*	249"
+HMI-TB4:14	+CDT-CTL	14C	D-BL 16 AWG Conductor / wire	373140	+MP-PLC:X17			1602	T/RF	243"
+HMI-TB4:15	+CDT-CTL	15C	RD 16 AWG Conductor / wire	373205	+MP-PLC:Y1			1605	T/RF	272"
+HMI-TB4:16	+CDT-CTL	16C	RD 16 AWG Conductor / wire	373205	+MP-MS2M:A1			1608	T/T	278"
+HMI-TB4:17	+CDT-CTL	17C	RD 16 AWG Conductor / wire	373205	+MP-MS1M1:54			1538	T/T	272"
+HMI-TB4:18	+CDT-CTL	18C	RED 16 AWG Conductor / wire	373205	+MP-TB2:FU8-1:1			1611	T/T	254"
+HMI-TB4:GND	+CDT-CTL	G1K	Y-GN 12 AWG Conductor / wire	373160	+MP-TB1:16			1617	T/T	249"
+HMI-TS:ENET	+CDT-CTL	GT-PLC	WHT 0.00 AWG Conductor / wire	60003626;60004047	+MP-PLC:ENET			1614		360"
+HMI	+CDT-CTL	SP1	D-BL 16 AWG Conductor / wire	373140	+MP			1633		280"
+HMI	+CDT-CTL	SP2	D-BL 16 AWG Conductor / wire	373140	+MP			1634		280"
+HMI	+CDT-CTL	SP3	D-BL 16 AWG Conductor / wire	373140	+MP			1635		280"



# Cable overview

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+CDT-CTL	370297	225"	1	Conduit, Flexible Metal, 1 1/4", Liquid-Tite	HMI-MP





# Parts usage indication

Part number	Qty	Designation		DT	Function text
373140	1	Wire, 16 Awg / 26, TEW, Dark Blue		+CDT-CTL	
	1			+CDT-CTL	
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	1			+CDT-CTL	
373205	1	Wire, 16 Awg / 26, TEW, Red		+CDT-CTL	
	1			+CDT-CTL	
	1			+CDT-CTL	
	1			+CDT-CTL	
370297	1	Conduit, Flexible Metal, 1 1/4",	Liquid-Tite	+CDT-CTL	HMI-MP
370471	2	Connector, Conduit, 1 1/4 in. Metal,	Straight, LT	+CDT-CTL	=
60003626	1	Network cable, 30Ft, Cat 7 (S/STP S/FTP)		+CDT-CTL	
60004047	2	Ferrite Snap-OP		+CDT-CTL	
373160	1	Wire, 12 Awg / 19, T90, Green-Yellow		+CDT-CTL	

Next page



Parts list:



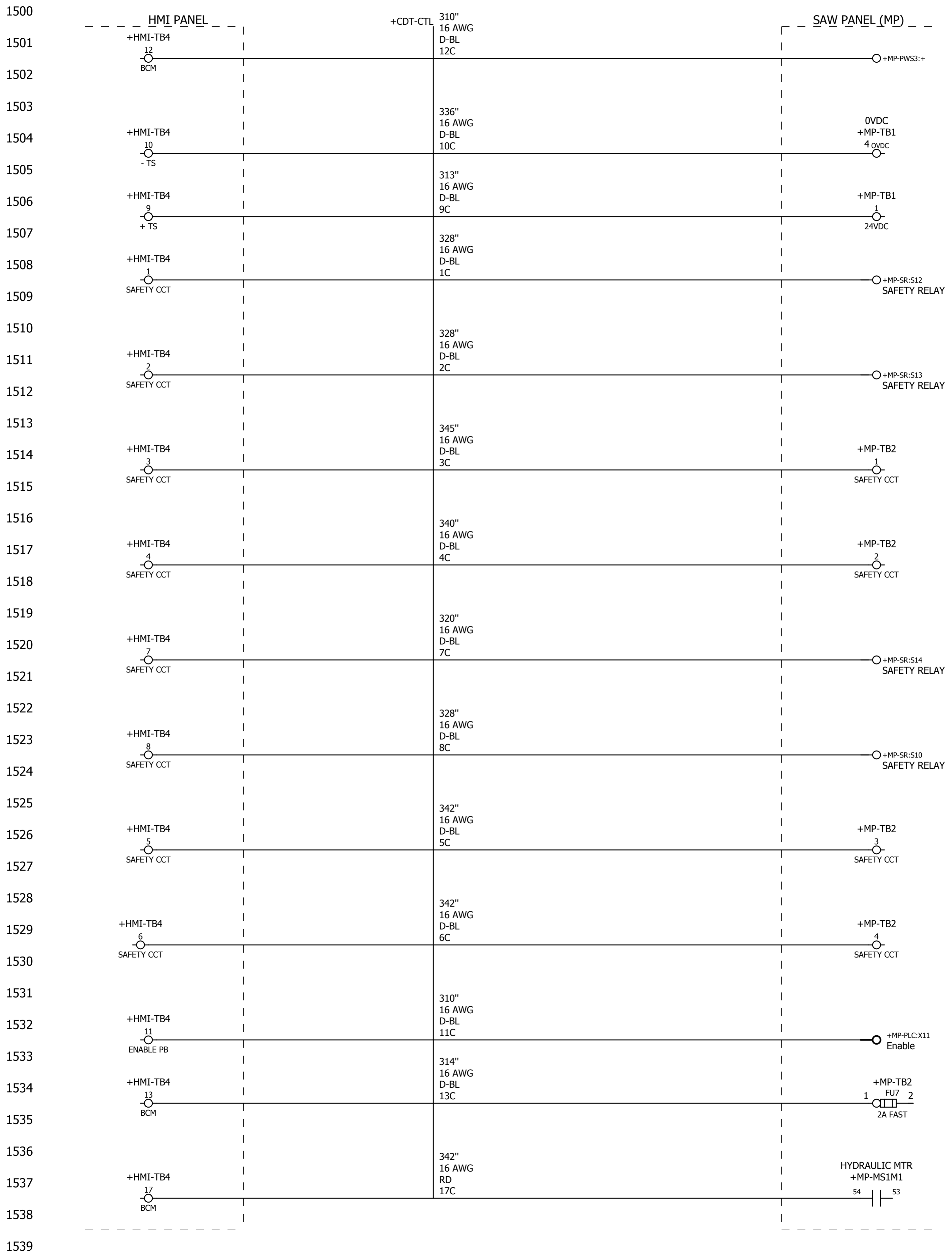
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 N4S 0A9  
 CANADA  
 Phone. 1-877-237-0914

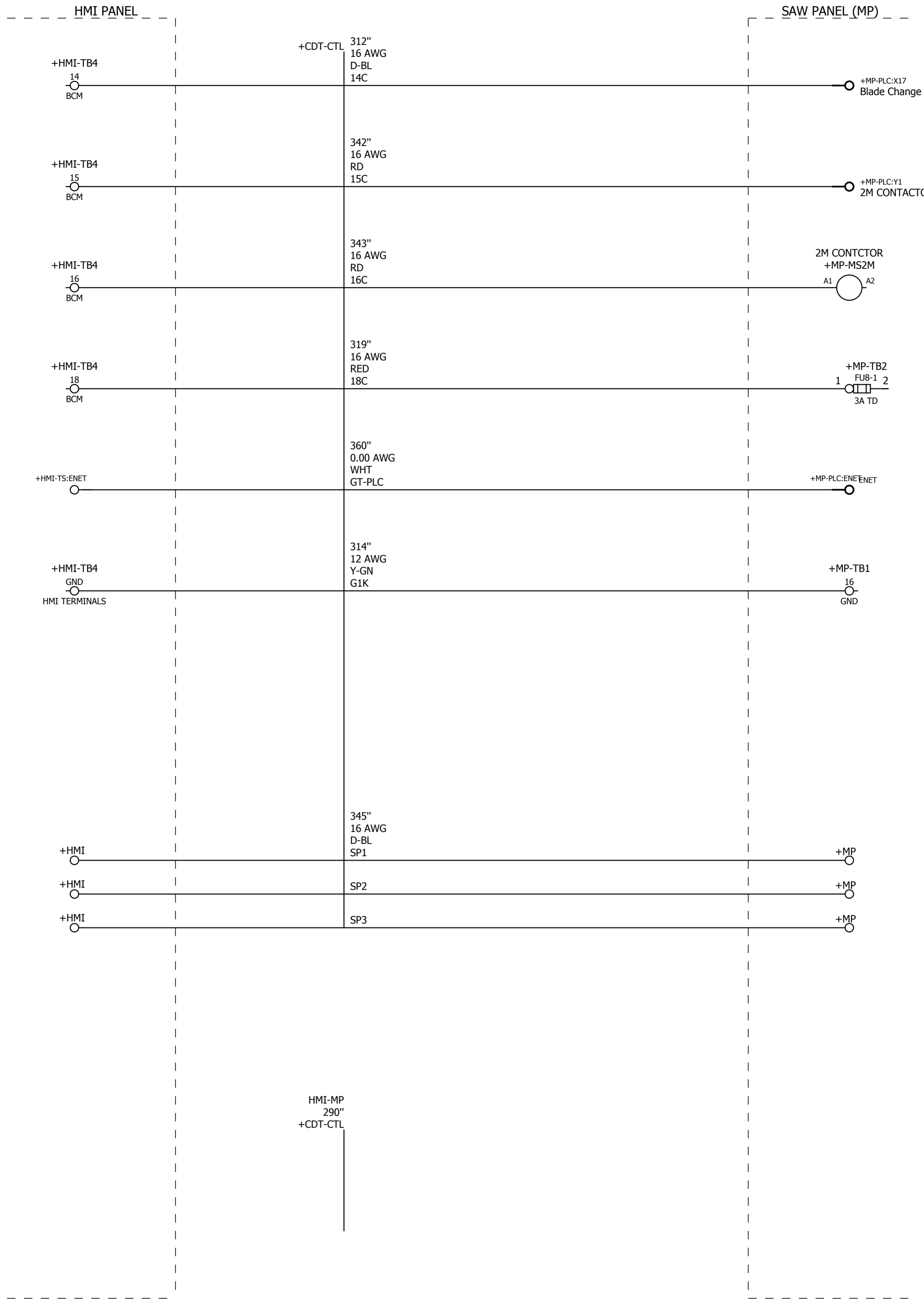


ECN Number:	02014		
Project description	15 FEET REMOTE CONSOLE OPTION		
Schematic #	H22A-NA-7-051-1		
Manufacturer (company)	HYDMECH CANADA CORP		
Path			
Project name	H22A-NA-7-051-1		
Make	H18A, H22A,		
Type	REMOTE CONSOLE OPTION TOUCH SCREEN SAW		
Place of installation			
Responsible for project	JSH		
Part feature			
Created on	11/04/20		
Edit date	11/04/20	by (short name) jhayre	Number of pages 13





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from	Cable	Wire	Wire des./definition	Parts From, Wire, To	to	More info				
			Length x mm <sup>2</sup> (AWG) color			Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+HMI-TB4:1	+CDT-CTL	1C	D-BL 16 AWG Conductor / wire	373140	+MP-SR:S12			1508	T/T	328"
+HMI-TB4:2	+CDT-CTL	2C	D-BL 16 AWG Conductor / wire	373140	+MP-SR:S13			1511	T/T	328"
+HMI-TB4:3	+CDT-CTL	3C	D-BL 16 AWG Conductor / wire	373140	+MP-TB2:1			1514	T/T	345"
+HMI-TB4:4	+CDT-CTL	4C	D-BL 16 AWG Conductor / wire	373140	+MP-TB2:2			1517	T/T	340"
+HMI-TB4:5	+CDT-CTL	5C	D-BL 16 AWG Conductor / wire	373140	+MP-TB2:3			1526	T/T	342"
+HMI-TB4:6	+CDT-CTL	6C	D-BL 16 AWG Conductor / wire	373140	+MP-TB2:4			1529	T/T	342"
+HMI-TB4:7	+CDT-CTL	7C	D-BL 16 AWG Conductor / wire	373140	+MP-SR:S14			1520	T/T	320"
+HMI-TB4:8	+CDT-CTL	8C	D-BL 16 AWG Conductor / wire	373140	+MP-SR:S10			1523	T/T	328"
+HMI-TB4:9	+CDT-CTL	9C	D-BL 16 AWG Conductor / wire	373140	+MP-TB1:1			1506	T/T	313"
+HMI-TB4:10	+CDT-CTL	10C	D-BL 16 AWG Conductor / wire	373140	+MP-TB1:4			1504	T/T	336"
+HMI-TB4:11	+CDT-CTL	11C	D-BL 16 AWG Conductor / wire	373140	+MP-PLC:X11			1533	T/RF	310"
+HMI-TB4:12	+CDT-CTL	12C	D-BL 16 AWG Conductor / wire	373140	+MP-PWS3:+			1501	T/*	310"
+HMI-TB4:13	+CDT-CTL	13C	D-BL 16 AWG Conductor / wire	373140	+MP-TB2:FU7:1			1535	T/*	314"
+HMI-TB4:14	+CDT-CTL	14C	D-BL 16 AWG Conductor / wire	373140	+MP-PLC:X17			1602	T/RF	312"
+HMI-TB4:15	+CDT-CTL	15C	RD 16 AWG Conductor / wire	373205	+MP-PLC:Y1			1605	T/RF	342"
+HMI-TB4:16	+CDT-CTL	16C	RD 16 AWG Conductor / wire	373205	+MP-MS2M:A1			1608	T/T	343"
+HMI-TB4:17	+CDT-CTL	17C	RD 16 AWG Conductor / wire	373205	+MP-MS1M1:54			1538	T/T	342"
+HMI-TB4:18	+CDT-CTL	18C	RED 16 AWG Conductor / wire	373205	+MP-TB2:FU8-1:1			1611	T/T	319"
+HMI-TB4:GND	+CDT-CTL	G1K	Y-GN 12 AWG Conductor / wire	373160	+MP-TB1:16			1617	T/T	314"
+HMI-TS:ENET	+CDT-CTL	GT-PLC	WHT 0.00 AWG Conductor / wire	60003626;60004047	+MP-PLC:ENET			1614		360"
+HMI	+CDT-CTL	SP1	D-BL 16 AWG Conductor / wire	373140	+MP			1625		345"
+HMI	+CDT-CTL	SP2	D-BL 16 AWG Conductor / wire	373140	+MP			1626		345"
+HMI	+CDT-CTL	SP3	D-BL 16 AWG Conductor / wire	373140	+MP			1627		345"



# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+CDT-CTL	370297	290"		Conduit, Flexible Metal, 1 1/4", Liquid-Tite	HMI-MP





# Parts usage indication

Part number	Qty	Designation		DT	Function text
373140	1	Wire, 16 Awg / 26, TEW, Dark Blue		+CDT-CTL	
	1			+CDT-CTL	
	1			+CDT-CTL	
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373205	1	Wire, 16 Awg / 26, TEW, Red		+CDT-CTL	
	1			+CDT-CTL	
	1			+CDT-CTL	
	1			+CDT-CTL	
370297	1	Conduit, Flexible Metal, 1 1/4",	Liquid-Tite	+CDT-CTL	HMI-MP
370471	2	Connector, Conduit, 1 1/4 in. Metal,	Straight, LT	+CDT-CTL	=
60003626	1	Network cable, 30Ft, Cat 7 (S/STP S/FTP)		+CDT-CTL	
60004047	2	Ferrite Snap-OP		+CDT-CTL	
373160	1	Wire, 12 Awg / 19, T90, Green-Yellow		+CDT-CTL	

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**HYD-MECH GROUP Ltd**

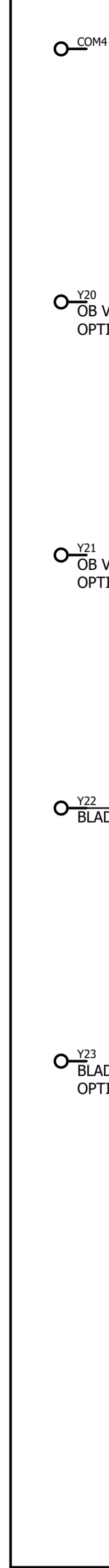
1079 PARKINSON ROAD  
 P.O. BOX 1659  
 WOODSTOCK, ON  
 N4S 0A9  
 CANADA  
 Phone. 1-877-237-0914



ECN Number:	01629		
Project description	H22A ONLY-Blade Brush		
Schematic #	H18ASV-NA-7-023-1A-RL1		
Manufacturer (company)	HYD-MECH GROUP Ltd		
Path			
Project name	H22ASV-NA-7-023-1A		
Make	H18ASV		
Type			
Place of installation			
Responsible for project	WA		
Part feature			
Created on	10/22/19		
Edit date	12/04/19	by (short name) wabdou	Number of pages 9

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+MP -PLC  
OUTPUTS



Y20  
OB VISE CLOSE  
OPTION

Y21  
OB VISE OPEN  
OPTION

Y22  
BLADE BRUSH H22 ONLY

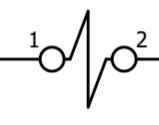
Y23  
BLADE DEV.  
OPTION

106"  
+HEAD-C48  
BLADE BRUSH

+HEAD-BDB-48  
BLADE BRUSH

+HEAD-C48

BLK



WHT

+MP-TB1  
NEUT

8



from	Cable	Length x mm <sup>2</sup> (AWG) color	Wire	Wire des./definition	Parts From, Wire, To	to	More info.			
+HEAD-BDB-48:2	+HEAD-C48	WHT 0.00 AWG	Conductor / wire	WHT 0.00 AWG	+MP-TB1:8	Jumper	Conductor	Page	Conductor End	LENGTH (Inches)
+MP-PLC:Y22	+HEAD-C48	BLK 0.00 AWG	Conductor / wire	BLK 0.00 AWG	+HEAD-BDB-48:1			1516	T	106"



# Cable overview

DIN\_KBU\_35

Cable	ERP #	Length	Cond.	DESCRIPTION	COMMENTS
+HEAD-C48	370215	106"	3	Cable, Yellow, 16-3C Sjtow	BLADE BRUSH

Next page  
1700





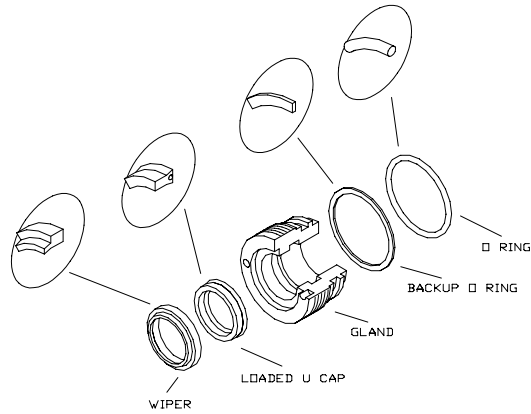


**H18ASV & H22ASV HYDRAULIC LIST**

<b>QTY (H18A) QTY (H22A)</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>
1	H22-C41-00A	MAIN HEAD CYLINDER
1	H22-C42-00A	AUX HEAD CYLINDER
1	H14-C1-00A	SHUTTLE CYLINDER
1	H14-C22-00	DATUM CYLINDER
2	H22SV-C31-00C	WISE CYLINDER
(1, 2 or 3)	H22SV-C23A-00A H22SV-C24-00 (H22 Straight Head)	BUNDLING CYLINDER
1	S25-C5-00 (H18)	BLADE TENSION CYLINDER
1	H22-C5-00A (H22)	
1	MB6PA	MANIFOLD BLOCK
1	DDF6-0-00FP	DDF VALVE
2	363300	DOUBLE PILOT CHECK VALVE (DPCH-1)
4	363295	DIRECTIONAL VALVE (DCV3P-AB-T)
1	363290	DIRECTIONAL VALVE (DCV3P-AB-C)
1 2	363160	POPET VALVE (PV2P-A-C)
1	CHB-25C	CUSHION BLOCK
1	362690	CHIP AUGER MOTOR (HM-01)
1	363155 (H22 Only)	PRESSURE REDUCING VALVE (PRV-2)
1	362745	HYDRAULIC PUMP (HYP-1)
1	363105	RETURN FILTER ELEMENT (SF 6520)
1	363235	PRESSURE REDUCING VALVE (PBDB OBN E21)
1	363150	PRESSURE REDUCING VALVE VVP OPTION (PRV1-10-K-6T-12 )
1	JB-02A	DOUBLE JUNCTION BLOCK VVP OPTION
1	363140	HYDRAULIC CARBIDE LOCK CARTRIDGE (PRV1-10-S-0-6)
2	SPCH-1	SINGLE PILOT CHECK VALVE
1	362700 (H22 Only)	BLADE BRUSH MOTOR

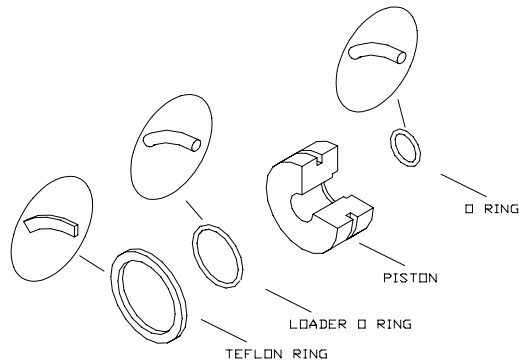
## CYLINDER ASSEMBLIES

### GLAND ASSEMBLIES



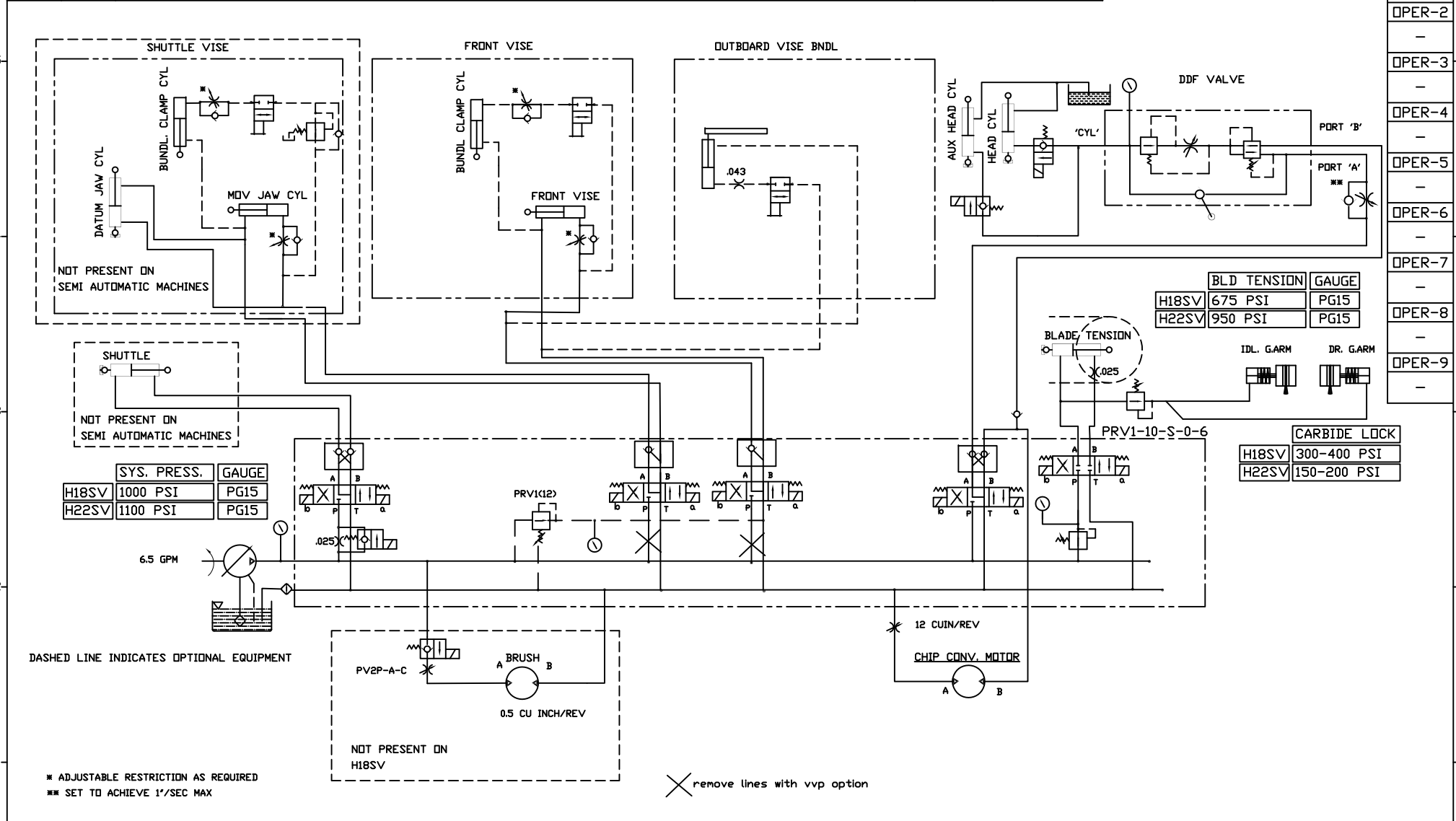
CYLINDER DIAMETER	E O RING	F BACKUP O RING	G GLAND	H LOADED U CAP	I WIPER
2.0"	362960	362785	CS20-GL-01A	362830	363330
2.5"	362970	362790	CS25-GL-01B	362815	363335
3.0"	362985	362795	CS30-GL-01A	362815	363335
3.5"	362995	362800	CS35-GL-01A	362835	363340
4.0"	363005	362805	CS40-GL-01A	362840	363345
5.0"	363015	362810	CS50-GL-01A	362840	363345

### PISTON ASSEMBLIES



CYLINDER DIAMETER	A TEFLON RING	B LOADER RING	C PISTON	D O-RING
2.0"	363035	362950	CS20-PS-01B	362905
2.5"	363040	362965	CS25-PS-01	362910
3.0"	363045	362980	CS30-PS-01	362910
3.5"	363050	362990	CS35-PS-01	362925
4.0"	363055	363000	CS40-PS-01	362940
5.0"	363060	363010	CS50-PS-01	362940

REV#	COORD	CHANGE MADE	1ST MACHINE SERIAL # AFFECTED	DATE	APPROVED BY	REQUIREMENTS	
-01E	-	CARBIDE BLOCK DRIFICE LOCATION CHANGE, ADDITION OF 2 HEAD LOCK VALVES (ECN00174 & ECN00180)		NOV 2014		1) BREAK ALL SHARP EDGES	RTG
-01F	-	ECN00233		AUG 2015			OPER-1
A	H4	ECN-01779 - ADDED FLOW CONTROL VALVE TO HEAD CYL.		FEB 2020			OPER-2

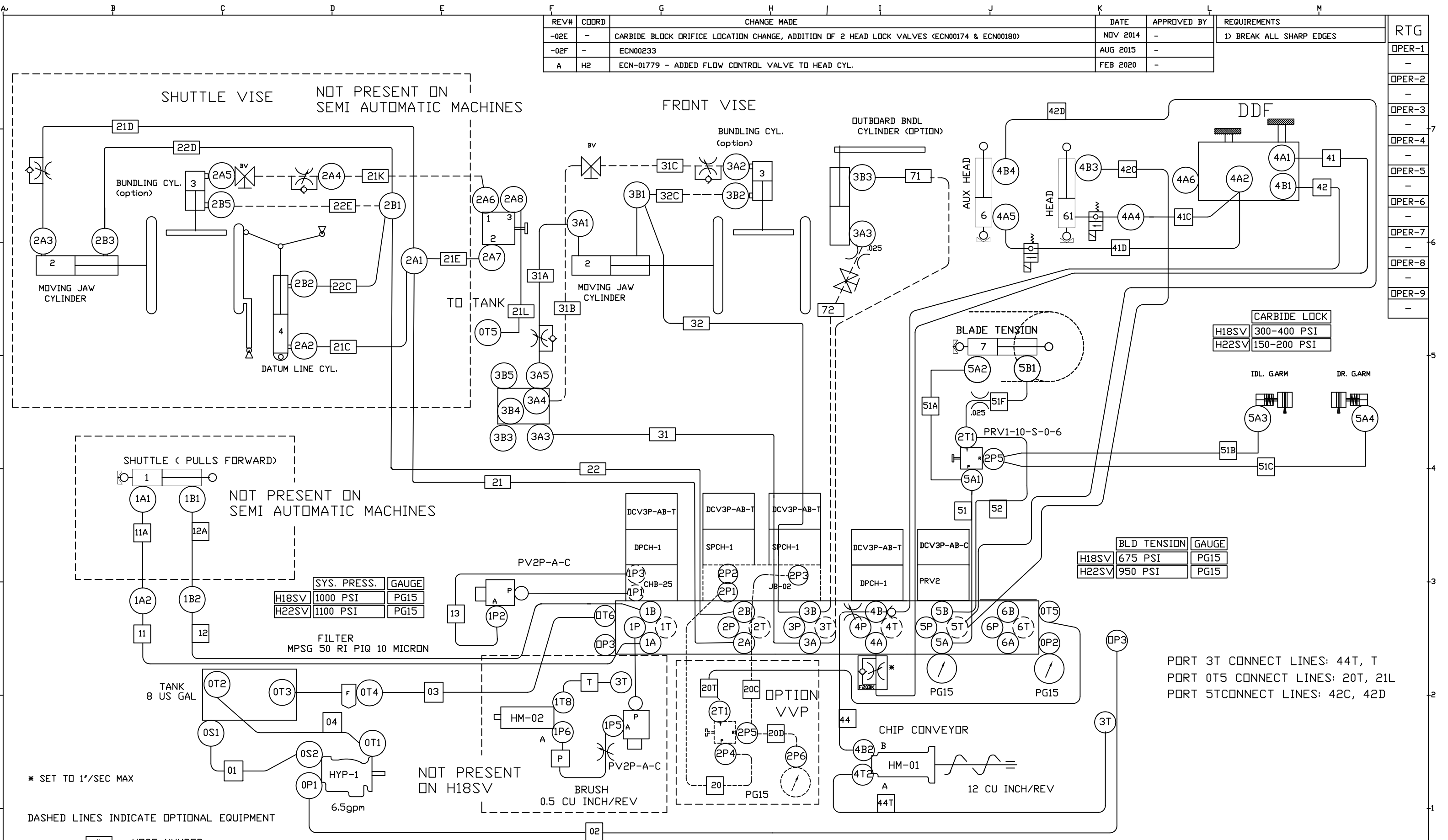


RTG
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			QTY/MACH.	MTL.WGT.	PART WGT.	DRAWN BY	DATE	CHKD BY	DATE	HYD-MECH ENG, WOODSTOCK, ONT.	PART NUMBER	REV
ANGULAR:	.X	+/- 0.5 DEG	-	-	-	GP	MAY 03	-	-		H22SV-6-00-1F	A
DEC:	.X	+/- .015 IN	-	-	-			-	-		SHEET 1 OF 1	
DEC:	.XX	+/- .010 IN	-	-	-			-	-			
DEC:	.XXX	+/- .005 IN	-	-	-			-	-			
			MATERIAL CODE		OVERALL MATERIAL SIZE		CUT LENGTH		PART DESCRIPTION H18SV, H22SV HYDRAULIC SCHEMATIC			

REV#	COORD	CHANGE MADE	DATE	APPROVED BY	REQUIREMENTS
-02E	-	CARBIDE BLOCK DRIFICE LOCATION CHANGE, ADDITION OF 2 HEAD LOCK VALVES (ECN00174 & ECN00180)	NOV 2014	-	1) BREAK ALL SHARP EDGES
-02F	-	ECN00233	AUG 2015	-	
A	H2	ECN-01779 - ADDED FLOW CONTROL VALVE TO HEAD CYL.	FEB 2020	-	

RTG
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OPER-9
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\* SET TO 1"/SEC MAX

DASHED LINES INDICATE OPTIONAL EQUIPMENT

# HOSE NUMBER

# PORT NUMBER

SYS. PRESS.		GAUGE
H18SV	1000 PSI	PG15
H22SV	1100 PSI	PG15

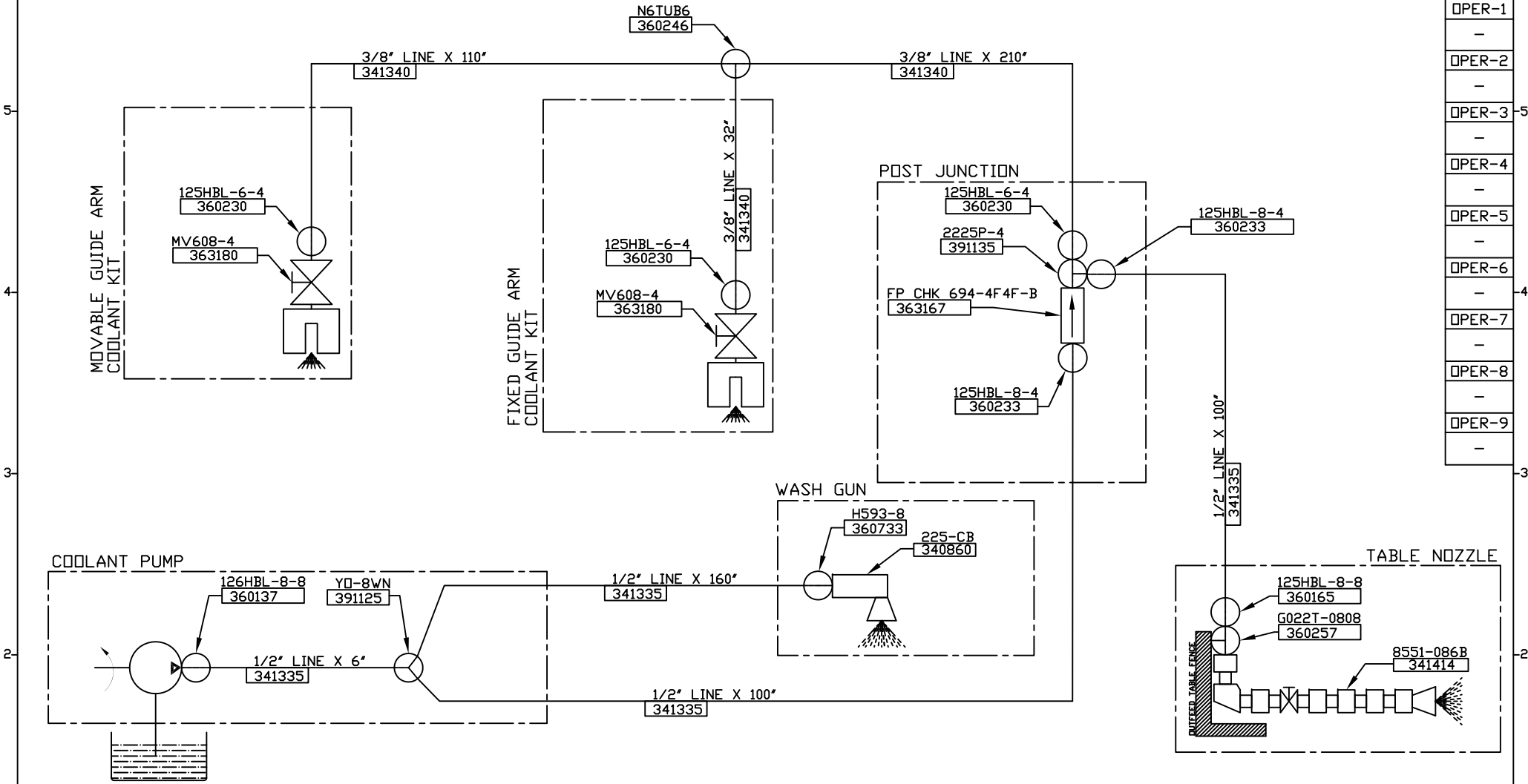
CARBIDE LOCK	
H18SV	300-400 PSI
H22SV	150-200 PSI

BLD TENSION		GAUGE
H18SV	675 PSI	PG15
H22SV	950 PSI	PG15

PORT 3T CONNECT LINES: 44T, T  
 PORT 0T5 CONNECT LINES: 20T, 21L  
 PORT 5TCONNECT LINES: 42C, 42D

TOLERANCES UNLESS OTHERWISE SPECIFIED:				QTY/MACH.	MTL.WGT.	PART WGT.	DRAWN BY	DATE	CHKD BY	DATE	HYD-MECH ENG.	PART NUMBER	REV
ANGULAR:	.X	+/- 0.5 DEG	FORMING, FLAME CUTTING, SHEARING AND SAWING:	-	-	-	GP	MAY 03	-	-	WOODSTOCK, ONT.	H22SV-6-00-2F	A
DEC:	.X	+/- .015 IN		MATERIAL CODE	OVERALL PART SIZE	CUT LENGTH	PART DESCRIPTION						
DEC:	.XX	+/- .010 IN		H18SV, H22SV PLUMBING DIAGRAM									
DEC:	.XXX	+/- .005 IN											

REV#	COORD	CHANGE MADE	DATE	FIRST MACHINE SERIAL NUMBER EFFECTED	APPROVED BY	REQUIREMENTS	
A	-	REVISED UNDER ECN-01805	03/04/2020	-	M OWEN	1) BREAK ALL SHARP EDGES	RTG



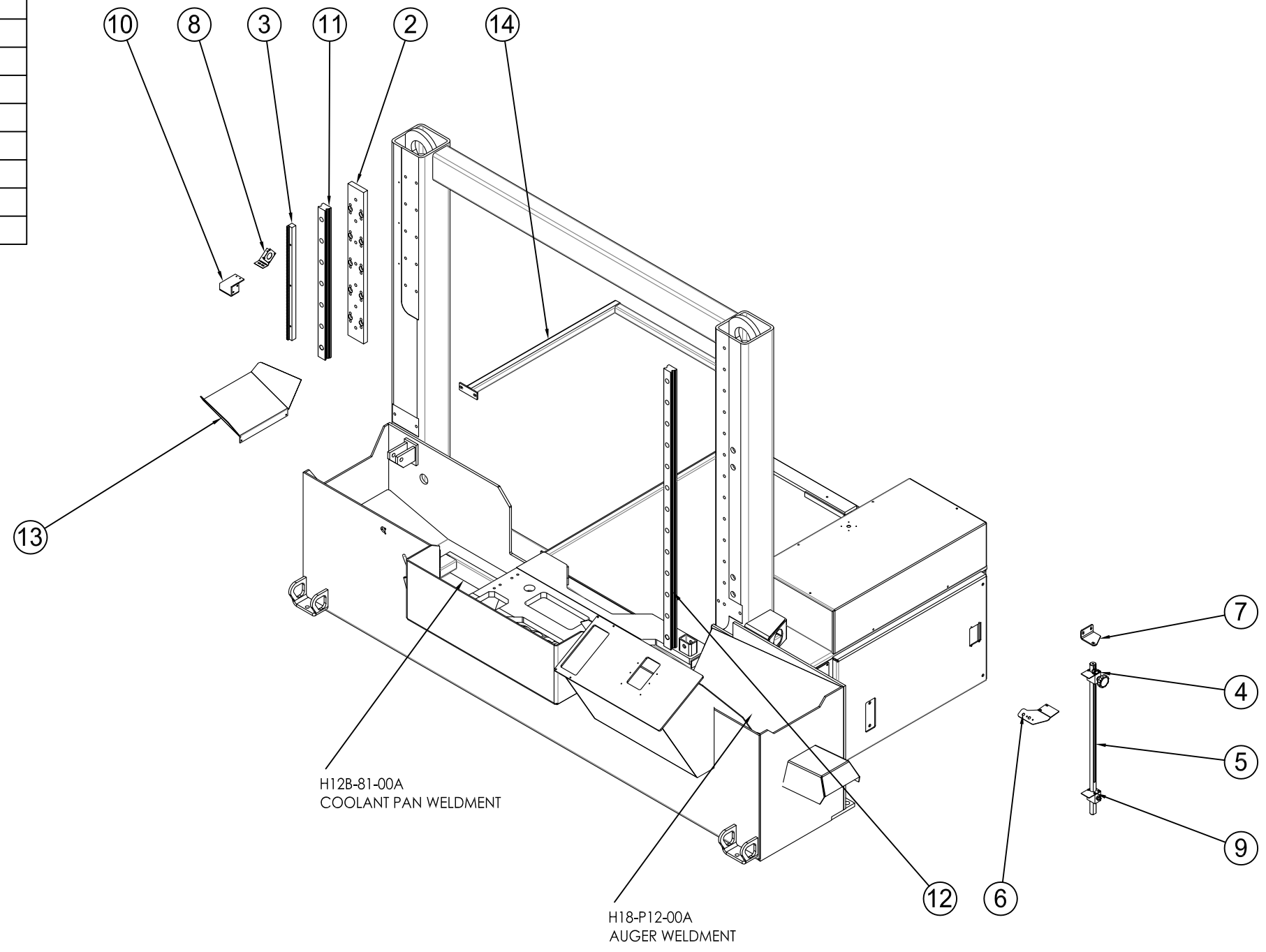
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OPER-8
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OPER-9
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PART DESC.	
SAP #	
MACHINE COOLANT PUMP	
NA	341684
CE	341692

- NOTES:
1. SECURE HOSES TO BARBED FITTINGS USING THE FOLLOWING:
    - 1.1. 1/2" ID HOSE  
390971: 080-037 SPRING CLAMP
    - 1.2. 3/8" ID HOSE  
390970: 080-035 SPRING CLAMP
  2. APPLY PTFE THREAD SEAL TAPE TO ALL MALE THREADS BEFORE SECURING FITTINGS.

TOLERANCES UNLESS OTHERWISE SPECIFIED:		QTY/MACH.	MTL.WGT.	PART WGT.	DRAWN BY	DATE	CHKD BY	DATE	HYD-MECH ENG.	PART NUMBER
ANGULAR:	.X +/- 0.5 DEG	-	-	-	GP	MAY 03	-	-	WOODSTOCK, ONT.	H18SV-8-00
DEC:	.X +/- .015 IN	-	-	-						SHEET 1 OF
DEC:	.XX +/- .010 IN	-	-	-					COOLANT SYSTEM PLUMBING DIAGRAM	REV
DEC:	.XXX +/- .005 IN	-	-	-						A

ITEM#	PART NUMBER	DESCRIPTION	Spare Parts/QTY.
2	H18SV-1-01	HEAD GUIDE BAR	1
3	H18-731-00B	WELDMENT, BAR RACK	1
4	H14-742-00	ASSEMBLY, HEAD UP BLOCK	1
5	H22SV-741-01	ACTIVATOR BAR	1
6	H22-75-01C	HEAD L/S MOUNTING BRACKET	1
7	H18SV-74-01B	BAR STABILIZER	1
8	H14-73-01	HINGE, ENCODER	1
9	H14-743-00	ASSEMBLY, HEAD DOWN BLOCK, H-SERIES	1
10	H22SV-7-02A	ENCODER BRACKET	1
11	341751	RAIL, GUIDE LINEAR, 840 MM SIZE 55, N C	1
12	341749	RAIL, GUIDE LINEAR, 1560 MM SIZE 55, N C	1
13	H18SV-115-00	COOLANT TRAY WLDT (STRAIGHT HEAD)	2
	H18SV-G115-00	COOLANT TRAY WLDT (CANTED HEAD)	1
14	H18SV-921-00	WELDMENT, MACHINE GUARD, IDLER SIDE	1



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REVISIONS			
REV	ECN NUMBER	DATE	BY
-	-	-	-
-	-	-	-
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STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 THIRD ANGLE PROJECTION

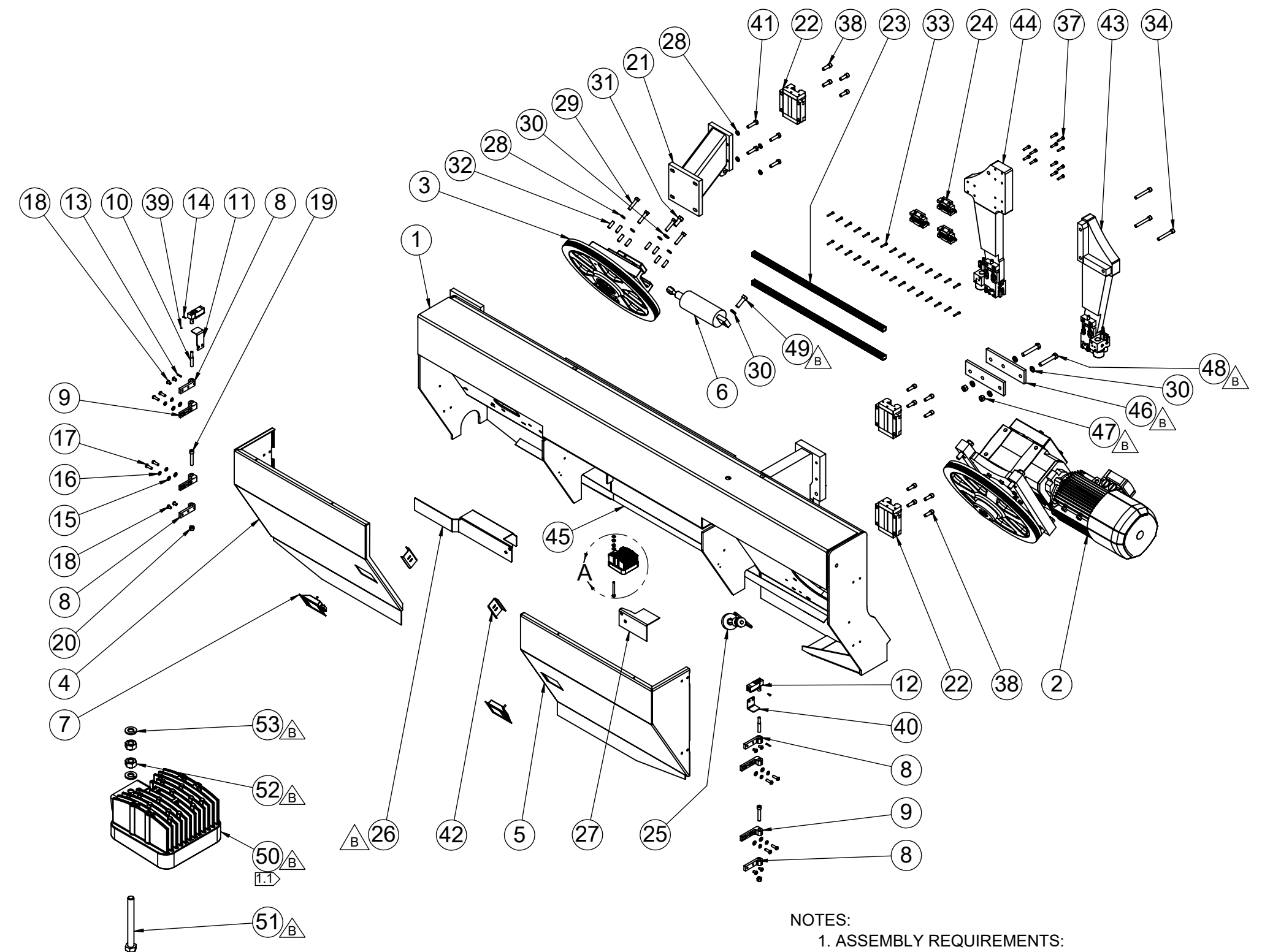
**HYDMECH GROUP LIMITED**  
 WOODSTOCK, ONTARIO, CANADA N4S 0A9

TITLE: **BASE ASSEMBLY COMPONENTS**

MODEL:	COMPONENT GROUP:	DRWN BY: MSLOS	CHKD BY:	SCALE: 1:24	SHEET: 1 OF 1
MATERIAL CODE:	MATL:	PART WEIGHT:		COATING:	
DRAWING NUMBER:		REV:			

ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	60006032	HEAD WELDMENT	1
2	H18SV-49B-00	Kit, Blade Drive, A503 Gear Box	1
3	H18SV-43-00	BLADE TENSION ASSY	1
4	H18SV-32A-01	DOOR, DRIVE SIDE	1
5	H18SV-33A-01	DOOR, IDLER SIDE	1
6	S25-C5-00	BLADE TENSION CYLINDER	1
7	341275	HANDLE PLADDLE LATCH WITHOUT LOCK BLACK POWDER COATED 64-10-301-90	2
8	H22SV-37-01A	STATIC HINGE	4
9	H22SV-38-01A	STATIC HINGE	4
10	H22SV-34-01	PIN, HINGE	2
11	H18SV-73-01	BRACKET, SAFETY SWITCH	1
12	372547	SWITCH, SAFETY, HOLLOW SHAFT, M12	2
13	393730	ROLL PIN, 0.188 X 1.00	2
14	390848	BOLT, BUTTON HEAD, CAP, 8-32 X 0.50	2
15	394715	WASHER, FLAT, SAE, 0.375	8
16	394770	WASHER, LOCK, 0.375	8
17	390019	BOLT, BUTTON HEAD, CAP, 0.375-16 X 1.25	8
18	390018	BOLT, BUTTON HEAD, CAP, 0.375-16 X 0.625	8
19	395293	BOLT, SOCKET HEAD, CAP, 0.50-13 X 2.75	2
20	392979	NUT, LOCK, NYLON, 0.50-13	2
21	60006035	AUX BEARING MOUNTING BRACKET	1
22	815753	BLOCK, RUNNER, LINEAR, SIZE 55, LGB-BCH55A-N-Z1	3
23	342460	RAIL, GUIDE LINEAR, 880 MM, E DIMENSION	2
24	341716	BLOCK LINEAR RUNNER SIZE 25 LGB-BRH25A-N-Z1	3
25	S22-43-00A	ASSEMBLY, BLADE BRUSH	1
26	H18SV-93-01C	BLADE GUARD	1
27	H18SV-94-01C	BLADE GUARD, DRIVE SIDE	1
28	394775	Washer, Lock, 0.5	8
29	395247	BOLT, HEX HEAD, CAP, 0.50-13 X 2.25	4
30	394780	WASHER, LOCK, 0.625	6
31	390250	BOLT, HEX HEAD, CAP, 0.625-11 X 1.50	1
32	394065	SCREW, SET, CUP POINT, 0.50-13 X 1.50	8
33	390676	BOLT, SOCKET HEAD, CAP, 0.25-20 X 1.25	30
34	390760	BOLT, SOCKET HEAD, CAP, 0.50-13 X 3.50	3
37	390872	BOLT, SOCKET HEAD, CAP, M8-1.25 X 30	12
38	390780	BOLT, SOCKET HEAD, CAP, 0.50-13 X 1.50	12
39	395276	SCREW, SET, CUP POINT, M3-0.5 X 3.00	2
40	H22SV-73-01	BRACKET, SAFETY SWITCH	1
41	390190	BOLT, HEX HEAD, CAP, 0.50-13 X 2.00	4
42	H12B-3-01C	LATCH, STRIKER	2
43	60007785	DRIVE SIDE GUIDE ARM ASSEMBLY	1
44	60007789	IDLER SIDE STRAIGHT GUIDE ARM ASSEMBLY	1
45	340361	H18 BLADE 1 1/2 X 0.05 X 19 FT 2 IN 3/4	1
46	60006003	HEAD CYLINDER MOUNTING PLATE	2
47	392870	NUT, HEX, 0.625-11	2
48	390276	BOLT, HEX HEAD, CAP, 0.625-11 X 3.75	2
49	390260	BOLT, HEX HEAD, CAP, 0.625-11 X 2.00	1
50	50003251	4" 48W SQUARE LED WORK LIGHT	1
51	390470	BOLT, HEX HEAD, CAP, 0.313-18 X 3.00	1

ITEM#	PART NUMBER	DESCRIPTION	QTY.
52	392845	NUT, HEX, 0.313-18	2
53	394765	WASHER, LOCK, 0.313	2



DETAIL A  
SCALE 1 : 6

NOTES:  
1. ASSEMBLY REQUIREMENTS:  
[1.1] PART IS USED FOR REFERENCE PURPOSES ONLY

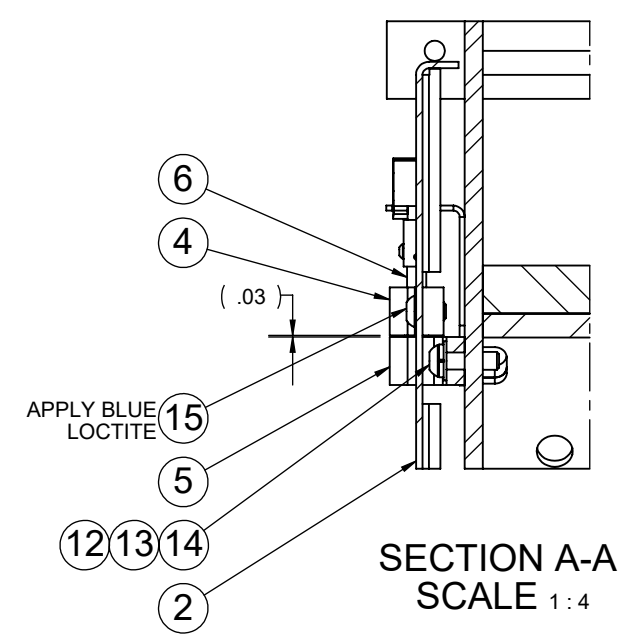
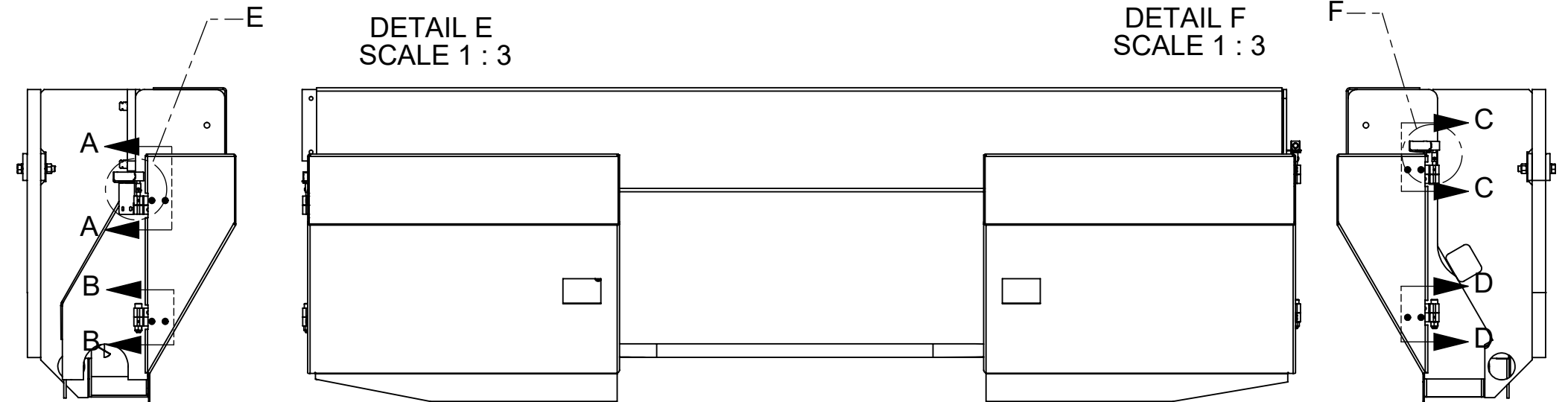
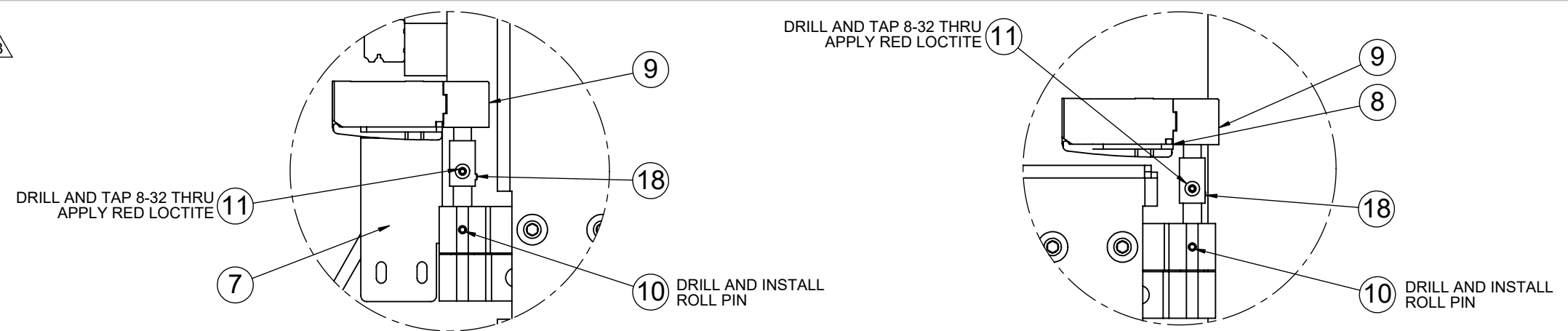
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- B** - UPDATED MODEL TO SHOW CHANGES TO DOWNPARTS AND FIXED BALLOONS
- ADDED NEW WORK LIGHT TO ASSEMBLY
- REMOVED OLD WORKLIGHT COVER, AND LIGHT HOLDER
- C** - ADDED NEW GUIDE ARM ASSEMBLIES.

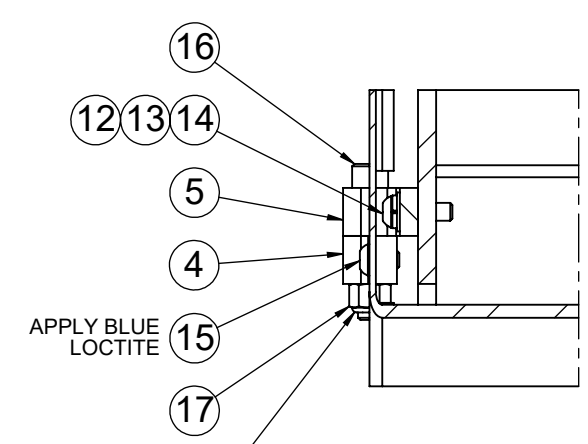
REVISIONS				STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED	HYDMECH GROUP LIMITED WOODSTOCK, ONTARIO, CANADA N4S 4A9					
REV	ECN NUMBER	DATE	BY		TITLE	MODEL:	COMPONENT GROUP:	DRWN BY:	CHKD BY:	SCALE
-00A	ECN-00185	JAN 2015	MS	DIMENSIONS ARE IN INCHES	H18SV	300 - Head Assy	DRWN BY: DATE: Feb 25, 2021	CHKD BY: SJ DATE: 2021-02-27	SCALE: 1:22	SHEET 1 OF 2
A	ECN 01200	FEB 2017	MM		MATERIAL CODE:	MATL:	PART WEIGHT: 2568 lbs	COATING: No Coating	DRAWING NUMBER: H18SV-3-00A	REV C
B	ECN 01490	SEPT 2019	AK		THIRD ANGLE PROJECTION	ASSEMBLY				
C	ECN 01713	FEB 2021	DG							



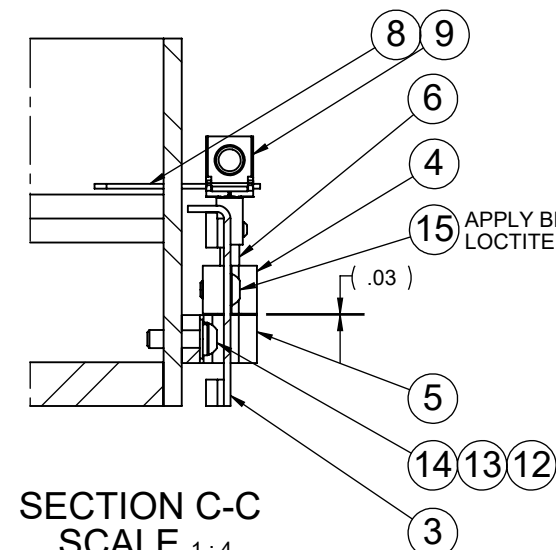
ITEM#	PART NUMBER	DESCRIPTION	QTY
1	60006032	HEAD WELDMENT	1
2	H18SV-32A-01	DOOR, DRIVE SIDE	1
3	H18SV-33A-01	DOOR, IDLER SIDE	1
4	H22SV-37-01A	STATIC HINGE	4
5	H22SV-38-01A	STATIC HINGE	4
6	H22SV-34-01	PIN, HINGE	2
7	H18SV-73-01	BRACKET, SAFETY SWITCH	1
8	H22SV-73-01	BRACKET, SAFETY SWITCH	1
9	372547	SWITCH, SAFETY, HOLLOW SHAFT, M12	2
10	393730	ROLL PIN, 0.188 X 1.00	2
11	390848	BOLT, BUTTON HEAD, CAP, 8-32 X 0.50	2
12	394715	WASHER, FLAT, SAE, 0.375	8
13	394770	WASHER, LOCK, 0.375	8
14	390019	BOLT, BUTTON HEAD, CAP, 0.375-16 X 1.25	8
15	390018	BOLT, BUTTON HEAD, CAP, 0.375-16 X 0.625	8
16	395293	BOLT, SOCKET HEAD, CAP, 0.50-13 X 2.75	2
17	392979	NUT, LOCK, NYLON, 0.50-13	2
18	395276	SCREW, SET, CUP POINT, M3-0.5 X 3.00	2
19	H12B-3-01C	LATCH, STRIKER	2
20	340361	H18 BLADE 1 1/2 X 0.05 X 19 FT 2 IN 3/4	1
21	390676	BOLT, SOCKET HEAD, CAP, 0.25-20 X 1.25	4
22	342460	RAIL, GUIDE LINEAR, 880 MM, E DIMENSION	2
28	50003251	4" 48W SQUARE LED WORK LIGHT	1
29	390470	BOLT, HEX HEAD, CAP, 0.313-18 X 3.00	1
30	392845	NUT, HEX, 0.313-18	2
31	394765	WASHER, LOCK, 0.313	2



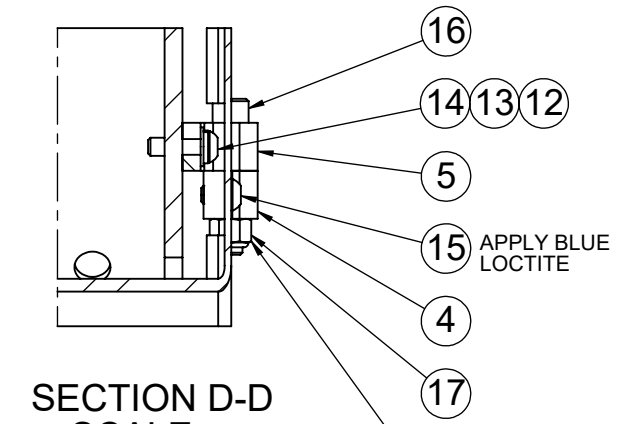
SECTION A-A  
SCALE 1:4



SECTION B-B  
SCALE 1:4



SECTION C-C  
SCALE 1:4



SECTION D-D  
SCALE 1:4

NOTE:  
PRE-LOAD LOWER HINGE TO CREATE  
.03" GAP ON THE TOP HINGE

## DOOR INSTALLATION

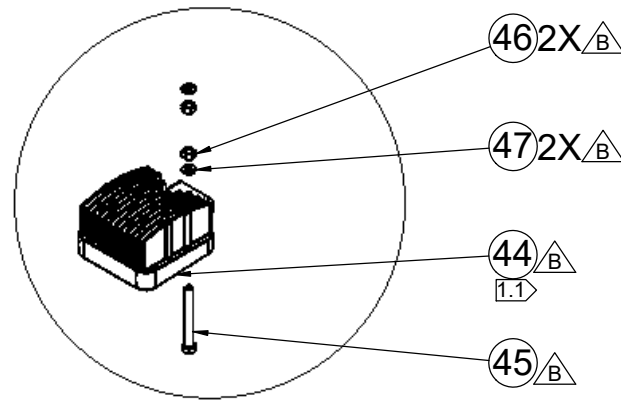
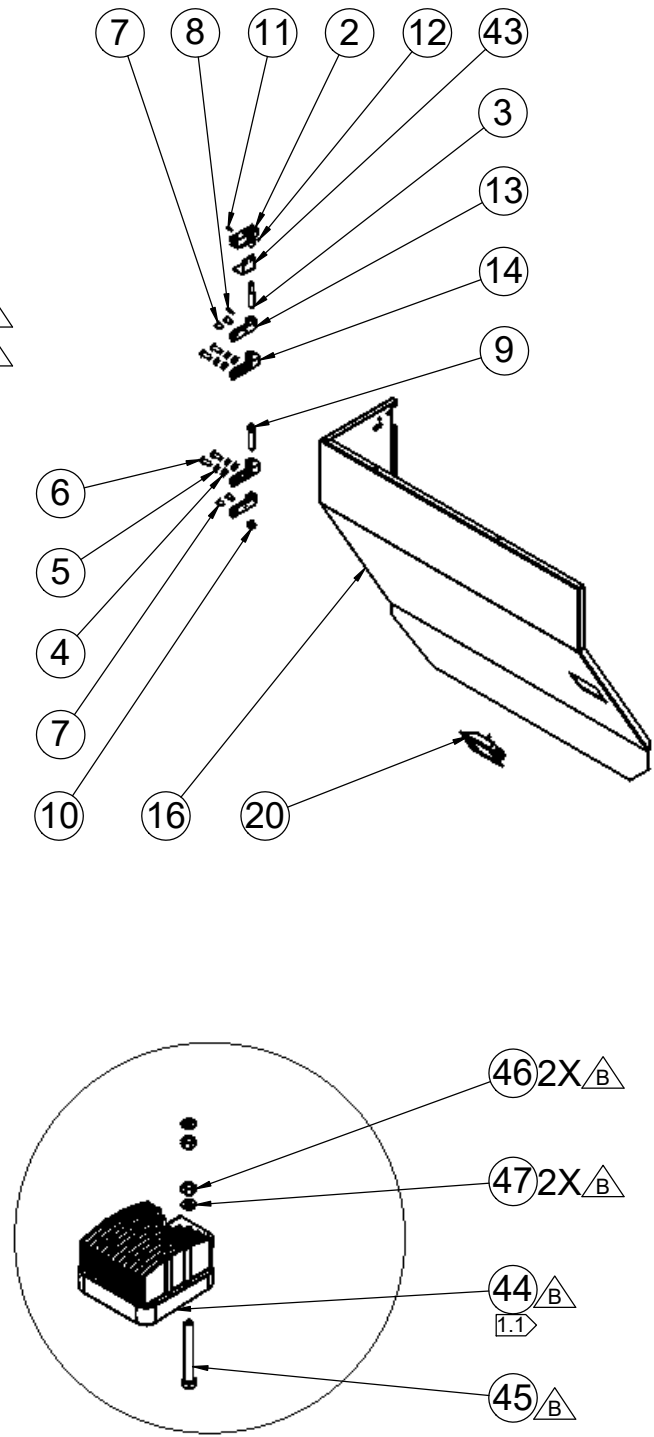
NOTE:  
PRE-LOAD LOWER HINGE TO CREATE  
.03" GAP ON THE TOP HINGE

- A** NO CHANGE TO DOOR INSTALLATION
- B** NO CHANGE TO DOOR INSTALLATION
- C** NO CHANGE TO DOOR INSTALLATION

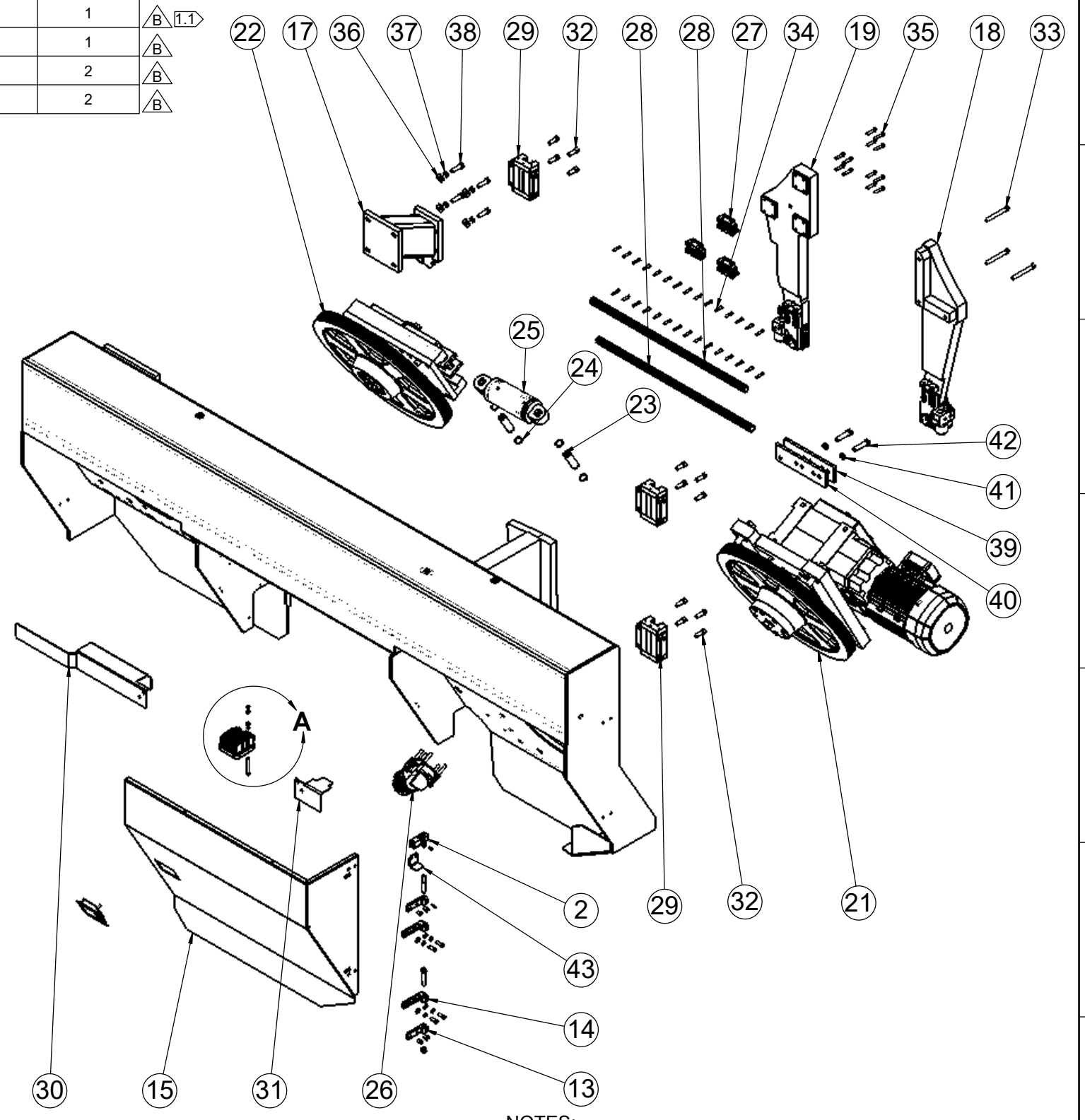
REVISIONS				STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED	HYDMECH GROUP LIMITED WOODSTOCK, ONTARIO, CANADA N4S 0A9						
REV	ECN NUMBER	DATE	BY		TITLE	MODEL:	COMPONENT GROUP:	DRWN BY:	CHKD BY:	SCALE	SHEET
-00A	ECN-00185	JAN 2015	MS	DIMENSIONS ARE IN INCHES	H18SV	300 - Head Assy	DATE: Feb 25, 2021	SJ	1:16	2 OF 2	
A	ECN 01200	FEB 2017	MM		MATERIAL CODE:	MATL:	PART WEIGHT: 2568 lbs	COATING: No Coating			
B	ECN 01490	SEPT 2019	AK		THIRD ANGLE PROJECTION	ASSEMBLY	DRAWING NUMBER: H18SV-3-00A				
C	ECN 01713	FEB 2021	DG								REV C

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ITEM#	PART NUMBER	DESCRIPTION	ASSEMBLY/ QUANTITY	ITEM#	PART NUMBER	DESCRIPTION	ASSEMBLY/ QUANTITY
2	372547	SWITCH, SAFETY, HOLLOW SHAFT, M12	2	44	50003251	4" 48W SQUARE LED WORK LIGHT	1
3	H22SV-34-01	PIN, HINGE	2	45	390470	BOLT, HEX HEAD, CAP, 0.313-18 X 3.00	1
4	394715	WASHER, FLAT, SAE, 0.375	8	46	392845	NUT, HEX, 0.313-18	2
5	394770	WASHER, LOCK, 0.375	8	47	394765	WASHER, LOCK, 0.313	2
6	390019	BOLT, BUTTON HEAD, CAP, 0.375-16 X 1.25	8				
7	390018	BOLT, BUTTON HEAD, CAP, 0.375-16 X 0.625	8				
8	393730	ROLL PIN, 0.188 X 1.00	2				
9	395293	BOLT, SOCKET HEAD, CAP, 0.50-13 X 2.75	2				
10	392979	NUT, LOCK, NYLON, 0.50-13	2				
11	390848	BOLT, BUTTON HEAD, CAP, 8-32 X 0.50	2				
12	395276	SCREW, SET, CUP POINT, M3-0.5 X 3.00	2				
13	H22SV-37-01A	STATIC HINGE	4				
14	H22SV-38-01A	STATIC HINGE	4				
15	H22SV-32A-01	DOOR DRIVE SIDE	1				
16	H22SV-33A-01	DOOR IDLER SIDE	1				
17	H22SV-35-00A	AUX BEARING MTG BKT	1				
18	60007787	DRIVE SIDE GUIDE ARM ASSEMBLY	1				
19	60007791	IDLER SIDE STRAIGHT GUIDE ARM ASSEMBLY	1				
20	341275	HANDLE PLADDLE LATCH WITHOUT LOCK BLACK POWDER COATED 64-10-301-90	2				
21	H22SV-49-00C	KIT, BLADE DRIVE, A603 GEAR BOX	1				
22	H22SV-43-00	ASSEMBLY, SLIDER, IDLER WHEEL	1				
23	H22-6-01	TENSION CYLINDER MTG PIN	2				
24	393540	RING, RETAINING, EXTERNAL, 1.125	4				
25	H22-C5-00A	ASSEMBLY, CYLINDER, BLADE TENSION	1				
26	H22-48-00	ASSEMBLY, BLADE BRUSH	1				
27	341716	BLOCK LINEAR RUNNER SIZE 25 LGB-BRH25A-N-Z1	3				
28	341714	RAIL, GUIDE LINEAR, 900 MM, E DIMENSION	2				
29	815753	BLOCK, RUNNER, LINEAR, SIZE 55, LGB-BCH55A-N-Z1	3				
30	H22SV-93-01D	BLADE GUARD	1				
31	H22SV-94-02C	GUARD	1				
32	390780	BOLT, SOCKET, CAP, 0.50-13X1.50	12				
33	390767	BOLT, SOCKET HEAD, CAP, 0.50-13 X 4.50	3				
34	390676	BOLT, SOCKET HEAD, CAP, 0.25-20 X 1.25	30				
35	395295	BOLT, SOCKET HEAD, CAP, M8-1.25 X 40	12				
36	394670	WASHER, FLAT, 0.50	4				
37	394775	WASHER, LOCK, 0.50	4				
38	390190	BOLT, HEX HEAD, CAP, 0.50-13 X 2.00	4				
39	H22SV-317-03	HEAD CYLINDER MOUNTING PLATE	1				
40	H22SV-317-04	HEAD CYLINDER MOUNTING PLATE	1				
41	394780	WASHER, LOCK, 0.625	2				
42	395421	BOLT, HEX HEAD, CAP, 0.625-11 X 2.75	2				
43	H22SV-73-01	BRACKET, SAFETY SWITCH	2				





DETAIL A  
SCALE 1 : 8



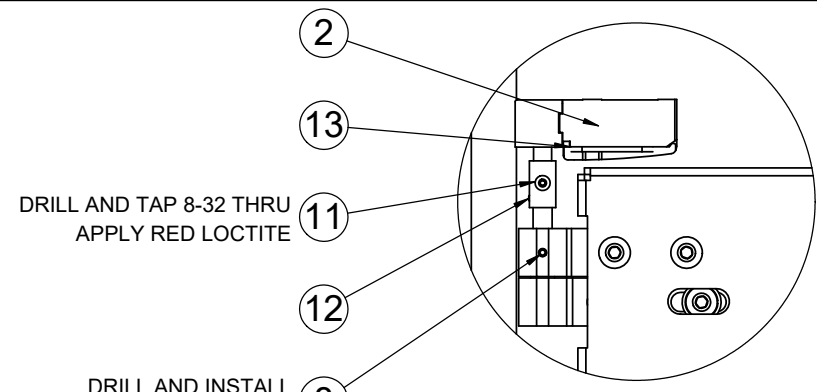
NOTES:  
1. ASSEMBLY REQUIREMENTS:  
1.1 PART IS USED FOR REFERENCE PURPOSES ONLY

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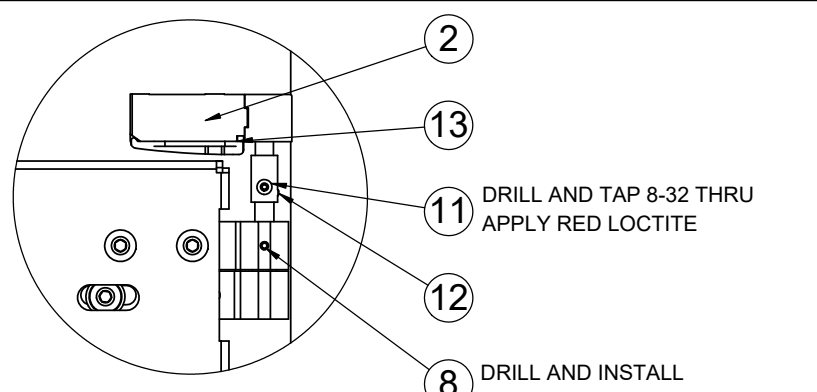
**CHANGE HISTORY:**  
 NEW LIGHT AND LIGHT MOUNTING HARDWARE  
 ADDED NEW GUIDE ARM ASSEMBLIES

REVISIONS				STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED	HYDMECH GROUP LIMITED WOODSTOCK, ONTARIO, CANADA N4S 0A9						
REV	ECN NUMBER	DATE	BY		TITLE	MODEL:	COMPONENT GROUP:	DRWN BY:	CHKD BY:	SCALE	SHEET
A	ECN 01200	FEB 2017	MM	DIMENSIONS ARE IN INCHES	H22SV	30 - Head	DATE: Feb 25, 2021	SJ	1:22	1 OF 2	
B	ECN-01695	08/13/2019	ES		THIRD ANGLE PROJECTION			DATE: 2021-02-27			
C	ECN-01713	02/25/2021	DG								
					MATERIAL CODE:	MATL:	PART WEIGHT: 4242.52 lbs	COATING: No Coating	DRAWING NUMBER: <b>H22SV-3-00</b>		
					ASSEMBLY				REV C		

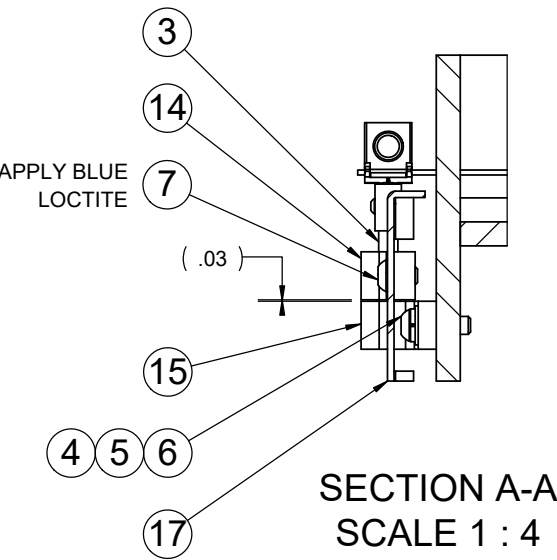
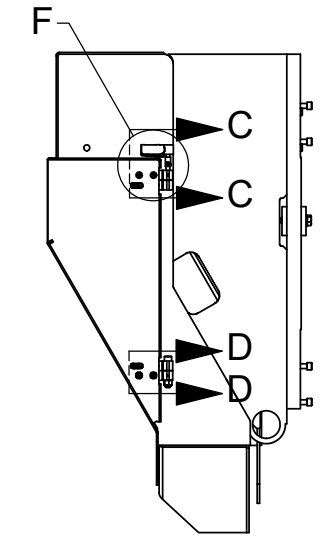
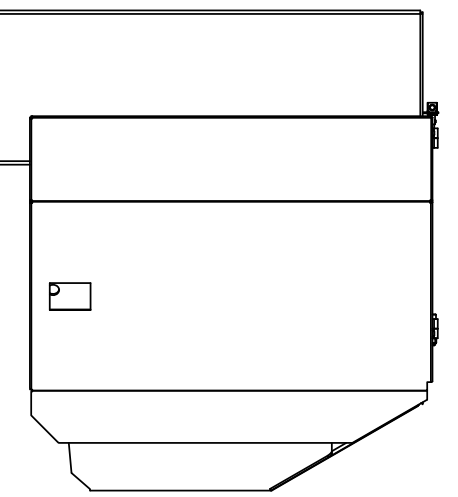
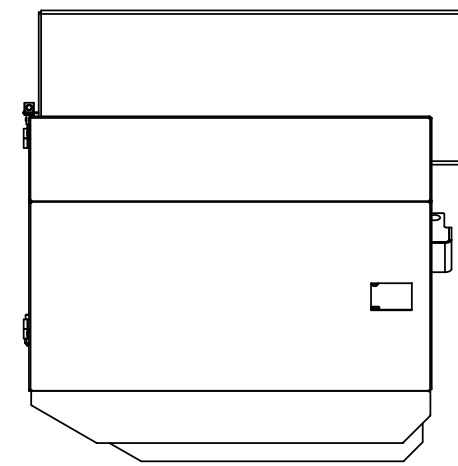
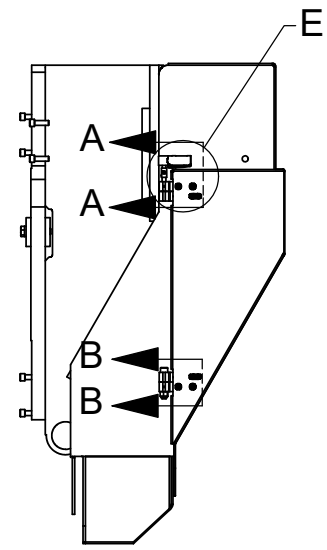
ITEM#	PART NUMBER	DESCRIPTION	DOOR INSTALLATION/ QTY.
2	372547	SWITCH, SAFETY, HOLLOW SHAFT, M12	2
3	H22SV-34-01	PIN, HINGE	2
4	394715	WASHER, FLAT, SAE, 0.375	8
5	394770	WASHER, LOCK, 0.375	8
6	390019	BOLT, BUTTON HEAD, CAP, 0.375-16 X 1.25	8
7	390018	BOLT, BUTTON HEAD, CAP, 0.375-16 X 0.625	8
8	393730	ROLL PIN, 0.188 X 1.00	2
9	395293	BOLT, SOCKET HEAD, CAP, 0.50-13 X 2.75	2
10	392979	NUT, LOCK, NYLON, 0.50-13	2
11	390848	BOLT, BUTTON HEAD, CAP, 8-32 X 0.50	2
12	395276	SCREW, SET, CUP POINT, M3-0.5 X 3.00	2
13	H22SV-73-01	BRACKET, SAFETY SWITCH	2
14	H22SV-37-01A	STATIC HINGE	4
15	H22SV-38-01A	STATIC HINGE	4
16	H22SV-32A-01	DOOR DRIVE SIDE	1
17	H22SV-33A-01	DOOR IDLER SIDE	1
18	H22SV-317-03	HEAD CYLINDER MOUNTING PLATE	1
19	H22SV-317-04	HEAD CYLINDER MOUNTING PLATE	1
20	394780	WASHER, LOCK, 0.625	2
21	395421	BOLT, HEX HEAD, CAP, 0.625-11 X 2.75	2
22	390780	BOLT, SOCKET, CAP, 0.50-13X1.50	9



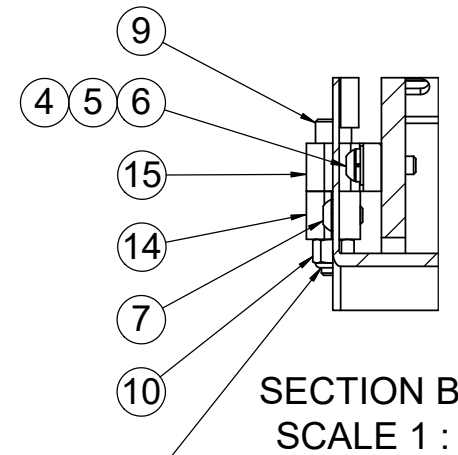
DETAIL E  
SCALE 1 : 4



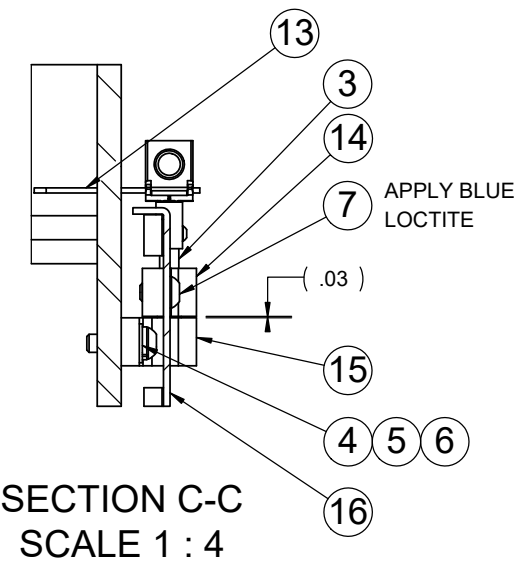
DETAIL F  
SCALE 1 : 4



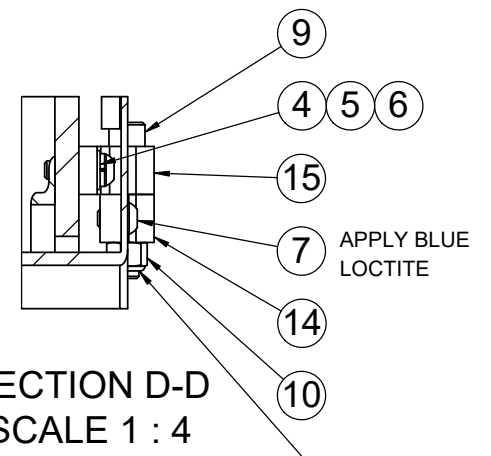
SECTION A-A  
SCALE 1 : 4



SECTION B-B  
SCALE 1 : 4



SECTION C-C  
SCALE 1 : 4



SECTION D-D  
SCALE 1 : 4

NOTE:  
PRE-LOAD LOWER HINGE TO CREATE  
.03" GAP ON THE TOP HINGE

NOTE:  
PRE-LOAD LOWER HINGE TO CREATE  
.03" GAP ON THE TOP HINGE

- NO CHANGE TO DOOR INSTALLATION
- NO CHANGE TO DOOR INSTALLATION
- NO CHANGE TO DOOR INSTALLATION

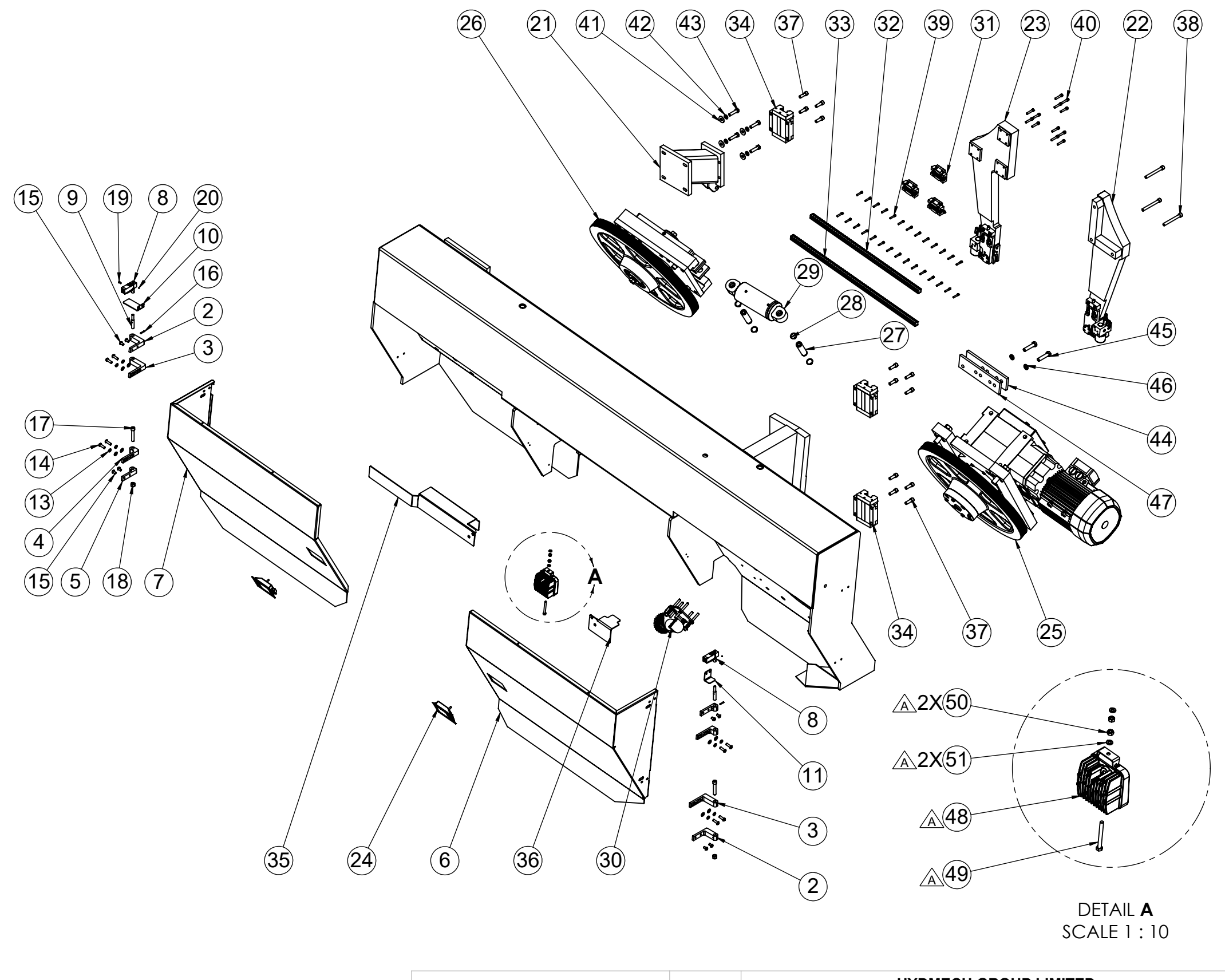
REVISIONS			
REV	ECN NUMBER	DATE	BY
A	ECN 01200	FEB 2017	MM
B	ECN-01695	08/14/2019	ES
C	ECN-01713	02/25/2021	DG

STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
THIRD ANGLE PROJECTION

<b>HYDMECH GROUP LIMITED</b> WOODSTOCK, ONTARIO, CANADA N4S 0A9			
TITLE <b>BOLTED DOOR INSTALLATION</b>			
MODEL: H22SV	COMPONENT GROUP: 30 - Head	DRWN BY: DATE: Feb 25, 2021	CHKD BY: SJ DATE: 2021-02-27
MATERIAL CODE: ASSEMBLY	MATL:	PART WEIGHT: 4242.52 lbs	COATING: No Coating
		SCALE: 1:20	SHEET: 2 OF 2
		DRAWING NUMBER: <b>H22SV-3-00</b>	
		REV C	

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ITEM#	PART NUMBER	DESCRIPTION	QTY.
2	H22SV-G34-01A	MOVING HINGE	2
3	H22SV-G35-01A	STATIC HINGE	2
4	H22SV-G36-01A	STATIC HINGE	2
5	H22SV-G37-01A	MOVING HINGE	2
6	H22SV-32A-01	DOOR DRIVE SIDE	1
7	H22SV-33A-01	DOOR IDLER SIDE	1
8	372547	SWITCH, SAFETY, HOLLOW SHAFT, M12	2
9	H22SV-34-01	PIN, HINGE	2
10	H22SV-71-01	BRACKET, SAFETY SWITCH	1
11	H22SV-72-01	BRACKET, SAFETY SWITCH	1
12	394715	WASHER, FLAT, SAE, 0.375	8
13	394770	WASHER, LOCK, 0.375	8
14	390019	BOLT, BUTTON HEAD, CAP, 0.375-16 X 1.25	8
15	390018	BOLT, BUTTON HEAD, CAP, 0.375-16 X 0.625	8
16	393730	ROLL PIN, 0.188 X 1.00	2
17	395293	BOLT, SOCKET HEAD, CAP, 0.50-13 X 2.75	2
18	392979	NUT, LOCK, NYLON, 0.50-13	2
19	390848	BOLT, BUTTON HEAD, CAP, 8-32 X 0.50	2
20	395276	SCREW, SET, CUP POINT, M3-0.5 X 3.00	2
21	H22SV-35-00A	AUX BEARING MTG BKT	1
22	60007787	DRIVE SIDE GUIDE ARM ASSEMBLY	1
23	60007442	IDLER SIDE CANTED GUIDE ARM ASSEMBLY	1
24	341275	HANDLE PLADDLE LATCH WITHOUT LOCK BLACK POWDER COATED 64-10-301-90	2
25	H22SV-49-00C	KIT, BLADE DRIVE, A603 GEAR BOX	1
26	H22SV-43-00	ASSEMBLY, SLIDER, IDLER WHEEL	1
27	H22-6-01	TENSION CYLINDER MTG PIN	2
28	393540	RING, RETAINING, EXTERNAL, 1.125	4
29	H22-C5-00A	ASSEMBLY, CYLINDER, BLADE TENSION	1
30	H22-48-00	ASSEMBLY, BLADE BRUSH	1
31	341716	BLOCK LINEAR RUNNER SIZE 25 LGB-BRH25A-N-Z1	3
32	341710	RAIL, GUIDE LINEAR, 780 MM, SIZE 25, H C	1
33	341714	RAIL, GUIDE LINEAR, 900 MM, E DIMENSION	1
34	815753	BLOCK, RUNNER, LINEAR, SIZE 55, LGB-BCH55A-N-Z1	3
35	H22SV-93-01D	BLADE GUARD	1
36	H22SV-94-02C	GUARD	1
37	390780	BOLT, SOCKET, CAP, 0.50-13X1.50	12
38	390767	BOLT, SOCKET HEAD, CAP, 0.50-13 X 4.50	3
39	390676	BOLT, SOCKET HEAD, CAP, 0.25-20 X 1.25	28
40	395295	BOLT, SOCKET HEAD, CAP, M8-1.25 X 40	12
41	394670	WASHER, FLAT, 0.50	4
42	394775	WASHER, LOCK, 0.50	4
43	390190	BOLT, HEX HEAD, CAP, 0.50-13 X 2.00	4
44	H22SV-317-03	HEAD CYLINDER MOUNTING PLATE	1
45	395421	BOLT, HEX HEAD, CAP, 0.625-11 X 2.75	2
46	394780	WASHER, LOCK, 0.625	2
47	H22SV-317-04	HEAD CYLINDER MOUNTING PLATE	1
48	50003251	4" 48W SQUARE LED WORK LIGHT	1
49	390470	BOLT, HEX HEAD, CAP, 0.313-18 X 3.00	1
50	392845	NUT, HEX, 0.313-18	2
51	394765	WASHER, LOCK, 0.313	2



DETAIL A  
SCALE 1 : 10

1 THE DATA/DESIGN CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL. REPRODUCTION, PUBLICATION OR DISTRIBUTION OF ANY PART HEREIN WITHOUT THE WRITTEN CONSENT OF HYDMECH GROUP INC. IS THE PROPERTY OF HYDMECH GROUP AND ITS POSSESSION CONVEYS NO LICENSE TO USE OR RIGHT OR LICENSE TO DISCLOSE IT TO OTHERS FOR ANY PURPOSE WHATSOEVER. ALL RIGHTS RESERVED.

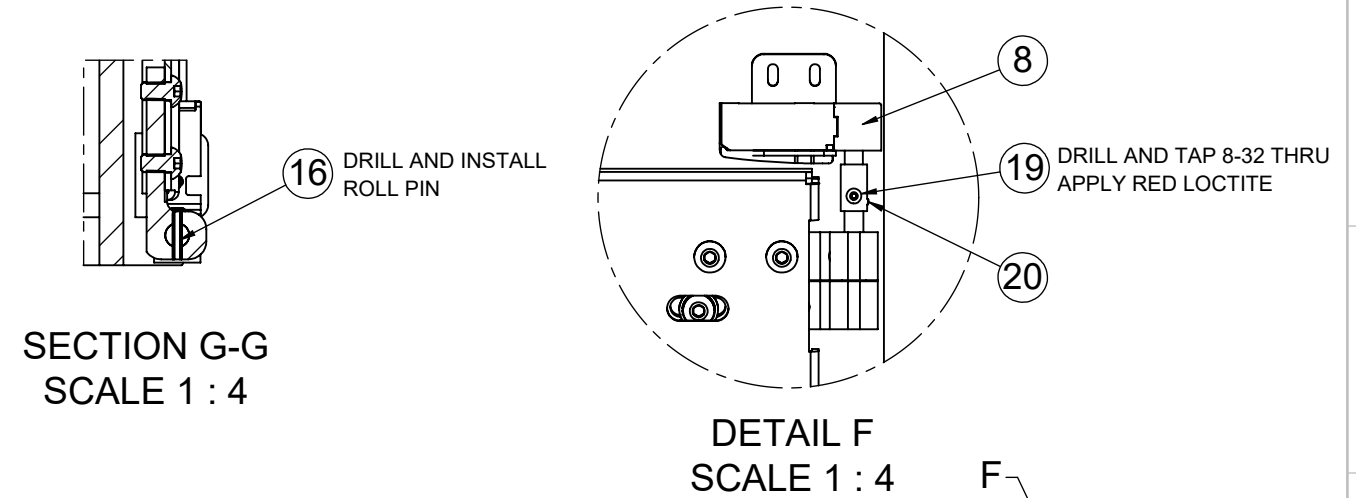
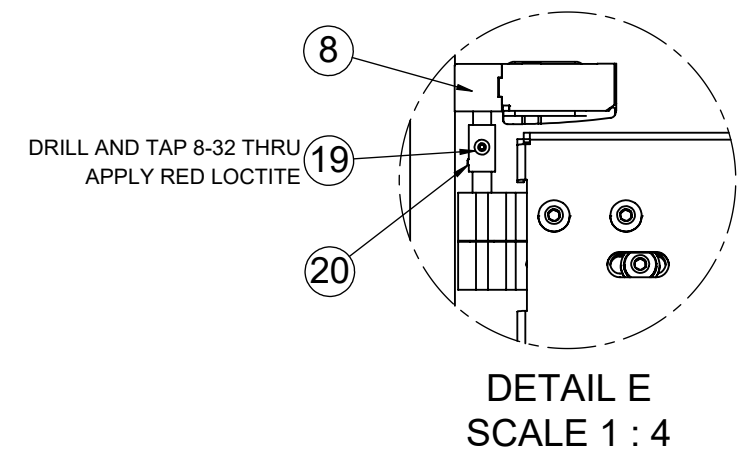
**CHANGE HISTORY:**  
 A NEW LIGHT AND LIGHT MOUNTING HARDWARE  
 B ADDED NEW GUIDE ARM ASSEMBLIES

REVISIONS				STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED	HYDMECH GROUP LIMITED WOODSTOCK, ONTARIO, CANADA N4S 0A9	
REV	ECN NUMBER	DATE	BY		TITLE	ASSEMBLY
-	ECN00151	APRIL 2015	MSILOS	DIMENSIONS ARE IN INCHES	MATERIAL CODE:	MATL:
A	ECN-01695	08/15/2019	ES	THIRD ANGLE PROJECTION	MODEL:	COMPONENT GROUP:
B	ECN-01713	02/25/2021	DG		H22SV	300 - Head Assy

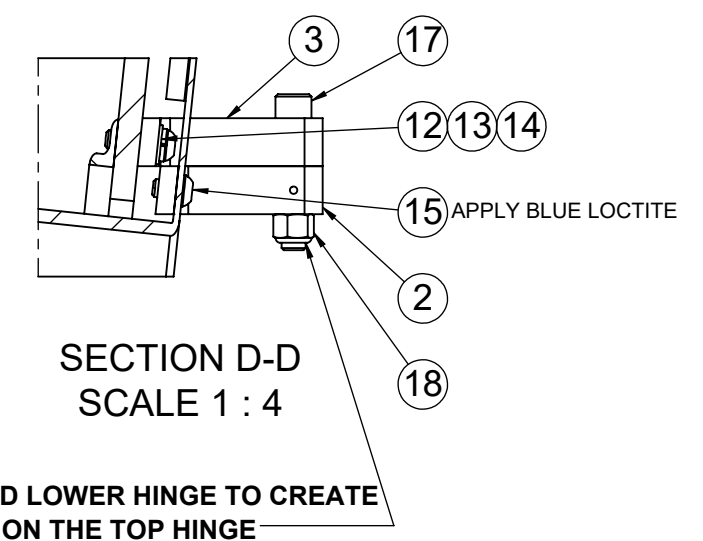
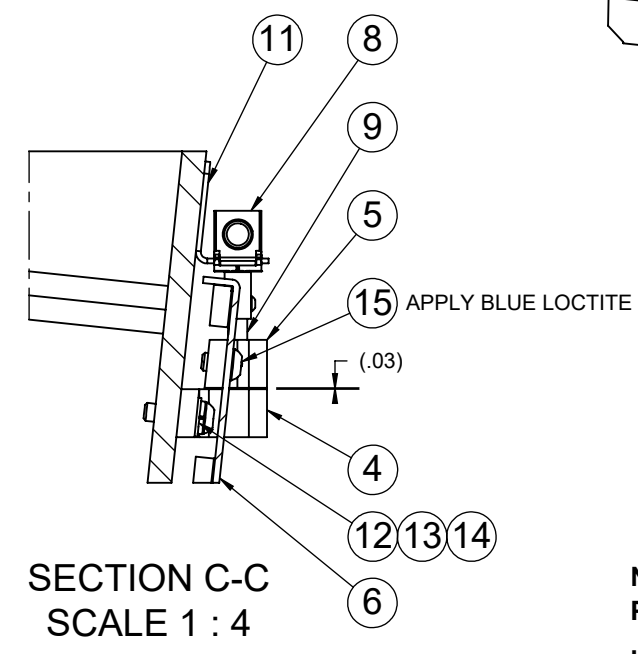
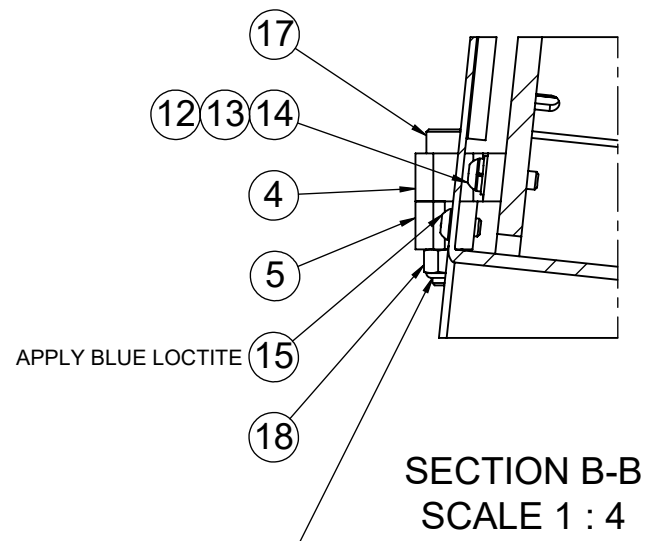
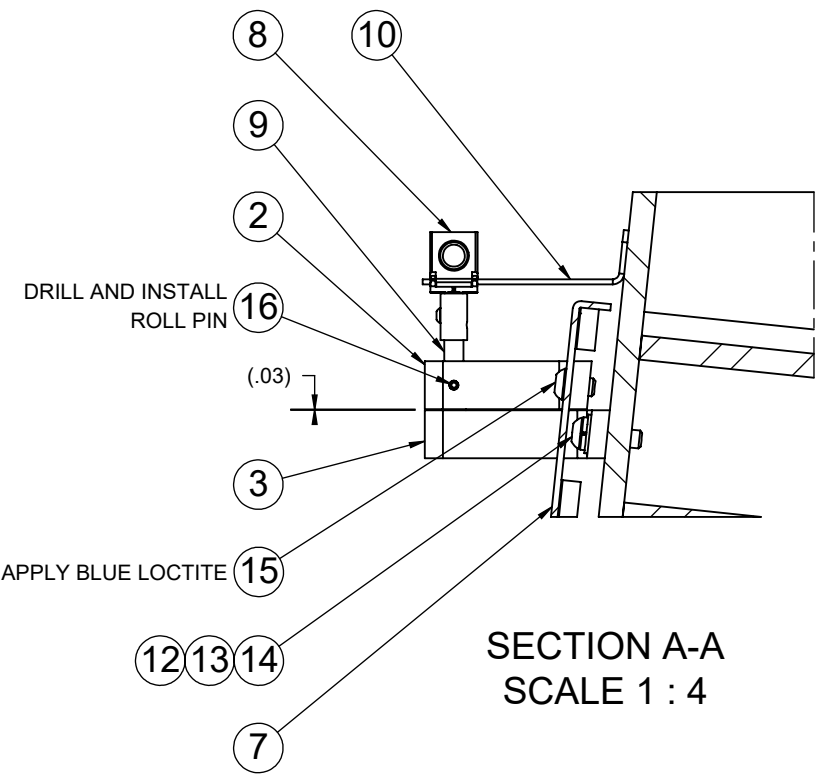
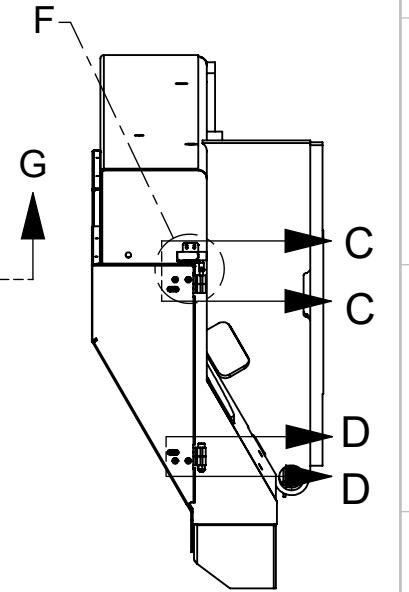
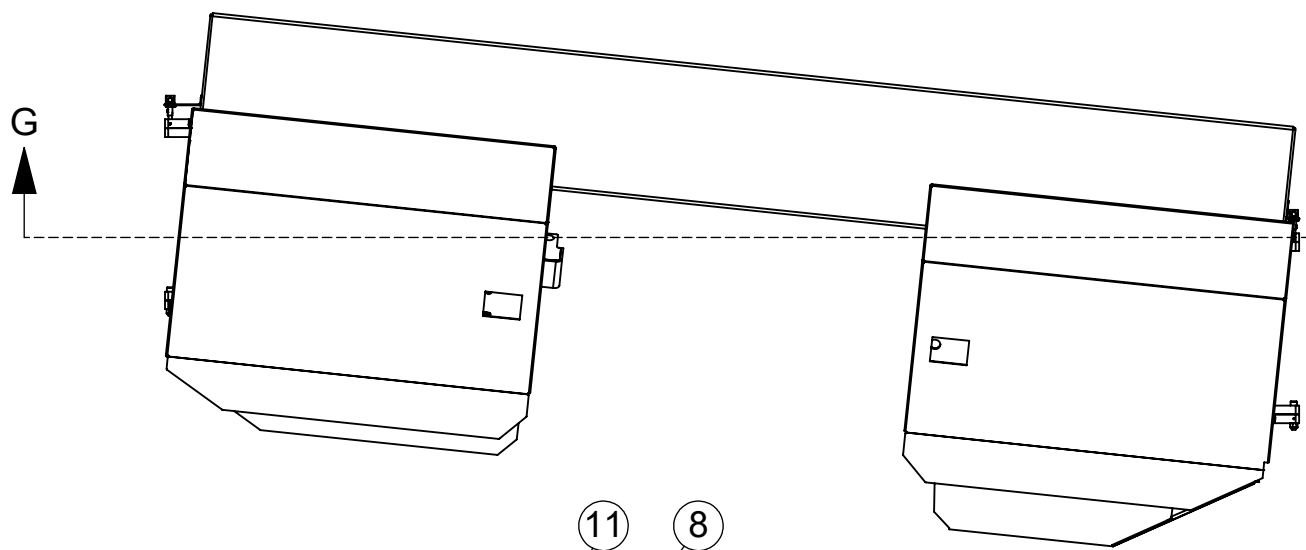
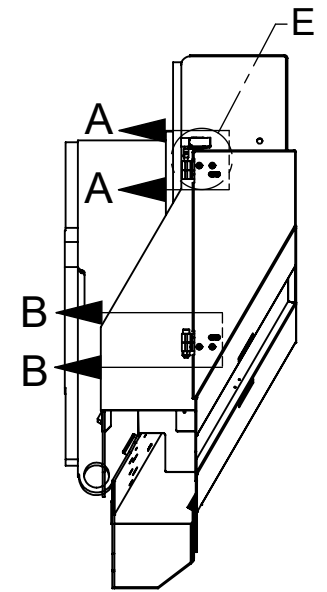
  

DRWN BY:	CHKD BY: SJ	SCALE	SHEET
DATE: Feb 25, 2021	DATE: 2021-02-27	1:22	1 OF 2
PART WEIGHT:	COATING:	DRAWING NUMBER:	
4236.8 lbs	No Coating	H22SV-G3-00	

ITEM#	PART NUMBER	DESCRIPTION	DOOR INSTALLATION/ QTY.
2	H22SV-G34-01A	MOVING HINGE	2
3	H22SV-G35-01A	STATIC HINGE	2
4	H22SV-G36-01A	STATIC HINGE	2
5	H22SV-G37-01A	MOVING HINGE	2
6	H22SV-32A-01	DOOR DRIVE SIDE	1
7	H22SV-33A-01	DOOR IDLER SIDE	1
8	372547	SWITCH, SAFETY, HOLLOW SHAFT, M12	2
9	H22SV-34-01	PIN, HINGE	2
10	H22SV-71-01	BRACKET, SAFETY SWITCH	1
11	H22SV-72-01	BRACKET, SAFETY SWITCH	1
12	394715	WASHER, FLAT, SAE, 0.375	8
13	394770	WASHER, LOCK, 0.375	8
14	390019	BOLT, BUTTON HEAD, CAP, 0.375-16 X 1.25	8
15	390018	BOLT, BUTTON HEAD, CAP, 0.375-16 X 0.625	8
16	393730	ROLL PIN, 0.188 X 1.00	2
17	395293	BOLT, SOCKET HEAD, CAP, 0.50-13 X 2.75	2
18	392979	NUT, LOCK, NYLON, 0.50-13	2
19	390848	BOLT, BUTTON HEAD, CAP, 8-32 X 0.50	2
20	395276	SCREW, SET, CUP POINT, M3-0.5 X 3.00	2



**SECTION G-G**  
SCALE 1 : 4



**NOTE:**  
PRE-LOAD LOWER HINGE TO CREATE  
.03" GAP ON THE TOP HINGE

**NOTE:**  
PRE-LOAD LOWER HINGE TO CREATE  
.03" GAP ON THE TOP HINGE

**A** NO CHANGE TO DOOR INSTALLATION  
**B** NO CHANGE TO DOOR INSTALLATION

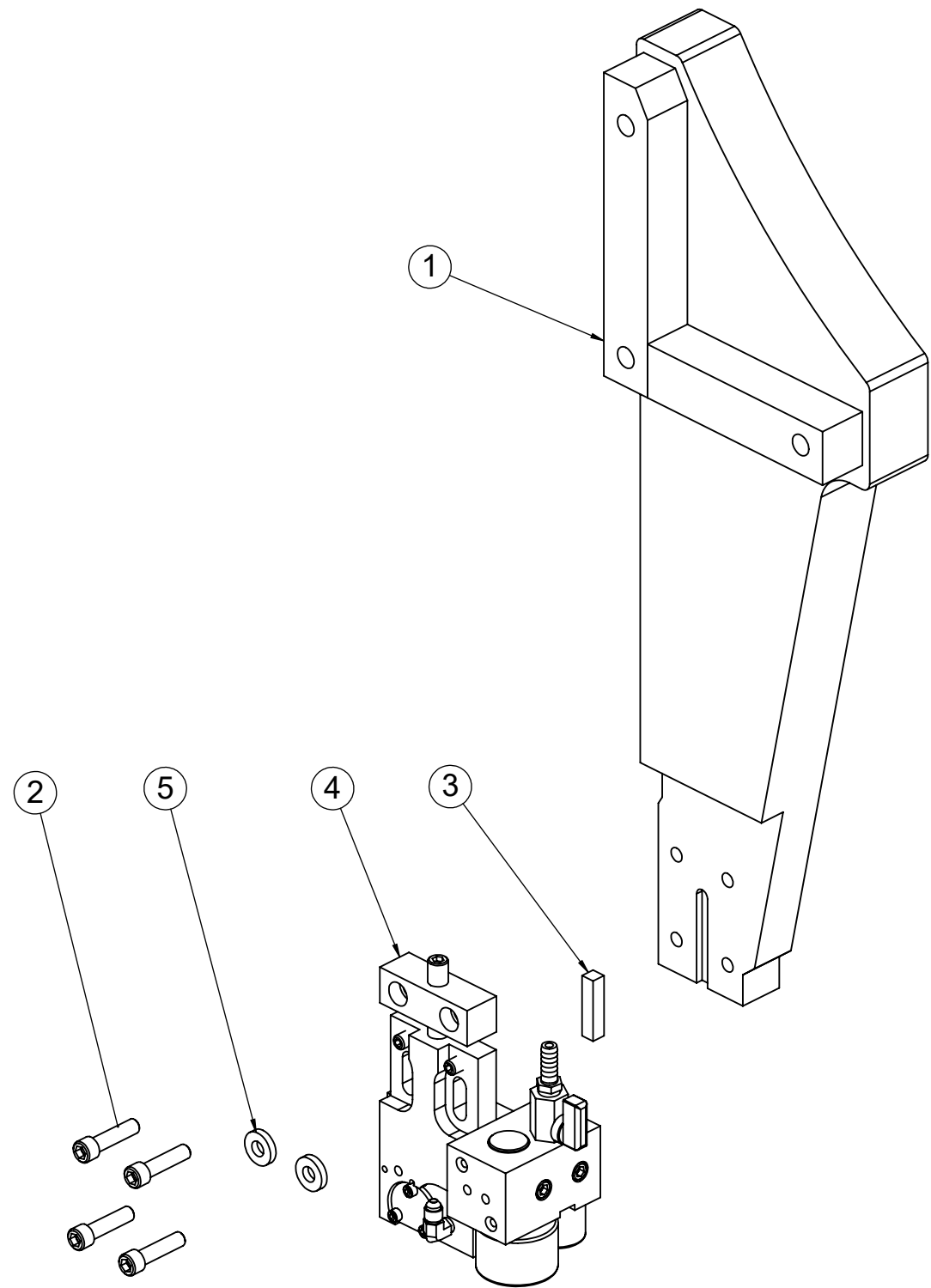
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REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN00151	JAN 2015	MS
A	ECN-01695	08/15/2019	ES
B	ECN-01713	02/25/2021	DG

STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
THIRD ANGLE PROJECTION

<b>HYDMECH GROUP LIMITED</b> WOODSTOCK, ONTARIO, CANADA N4S 0A9			
TITLE <b>BOLTED DOOR INSTALLATION</b>			
MATERIAL CODE: ASSEMBLY	MATL:	DRWN BY: DATE: Feb 25, 2021	CHKD BY: SJ DATE: 2021-02-27
MODEL: H22SV	COMPONENT GROUP: 300 - Head Assy	PART WEIGHT: 4236.8 lbs	COATING: No Coating
		SCALE 1:22	
		SHEET 2 OF 2	
		DRAWING NUMBER: <b>H22SV-G3-00</b>	
		REV B	

ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	M-H18SV-461-00D	GUIDE ARM WELDMENT - DRIVE SIDE	1
2	390725	BOLT, SOCKET HEAD, CAP, 0.375-16 X 1.5	4
3	50001465	GUIDE BLOCK ALIGNMENT KEY 0.375 X 1.69	1
4	60007786	DRIVE SIDE GUIDE BLOCK ASSEMBLY	1
5	394731	WASHER, FLAT, HARDENED, THICK, 0.375 X 0.875	2



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REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN-01713	15FEB2021	DG
-	-	-	-

STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED

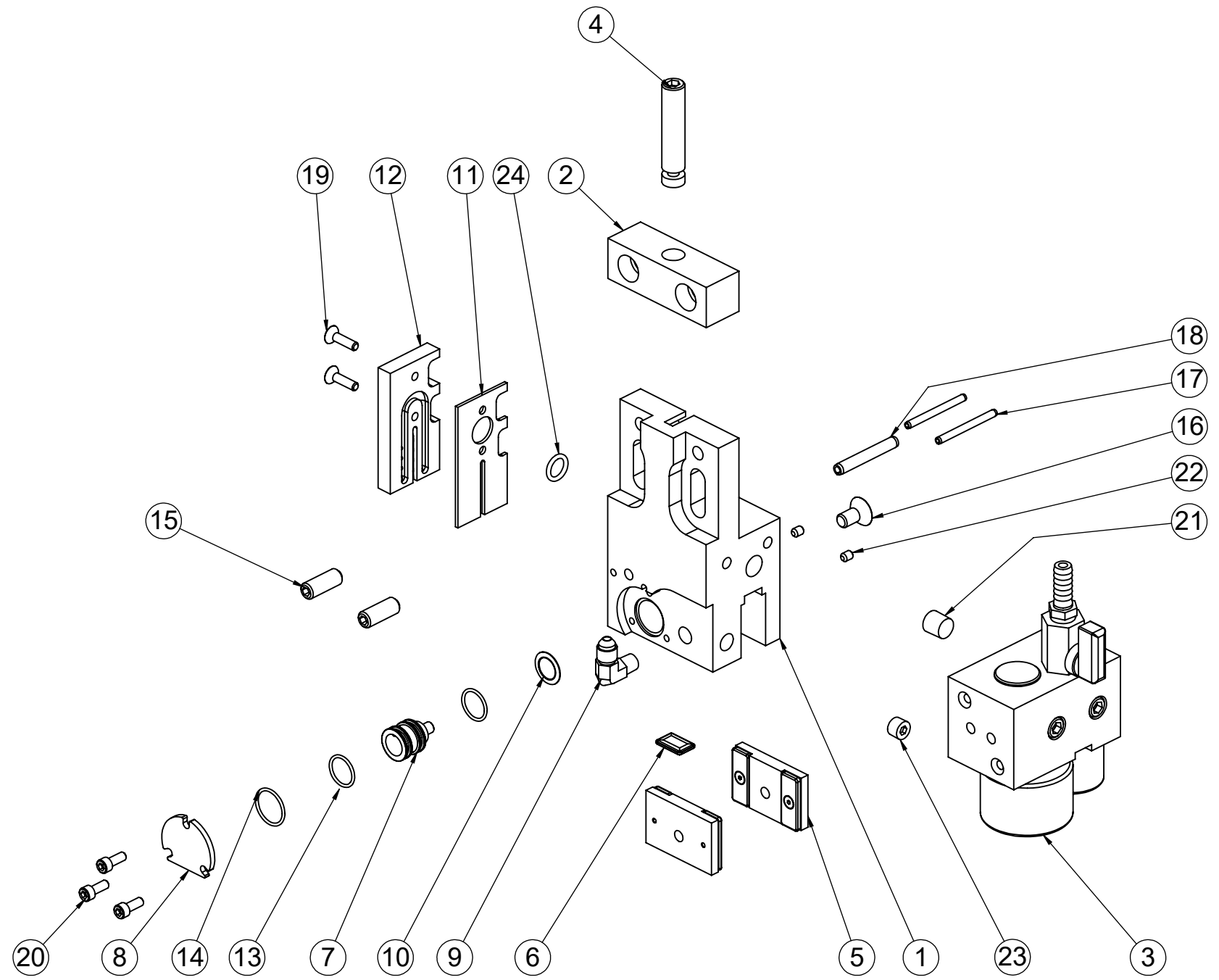
DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION



TITLE: DRIVE SIDE GUIDE ARM ASSEMBLY			
MATERIAL CODE: ASSEMBLY	MATL:	DRWN BY: DG DATE: Feb 25, 2021	CHKD BY: SJ DATE: 2021-02-27
MODEL: H18SV	COMPONENT GROUP: 40 - Blade Carrying System	PART WEIGHT: 88.47 lbs	SCALE: 1:4
DRAWING NUMBER: 60007785		COATING: No Coating	SHEET 1 OF 1

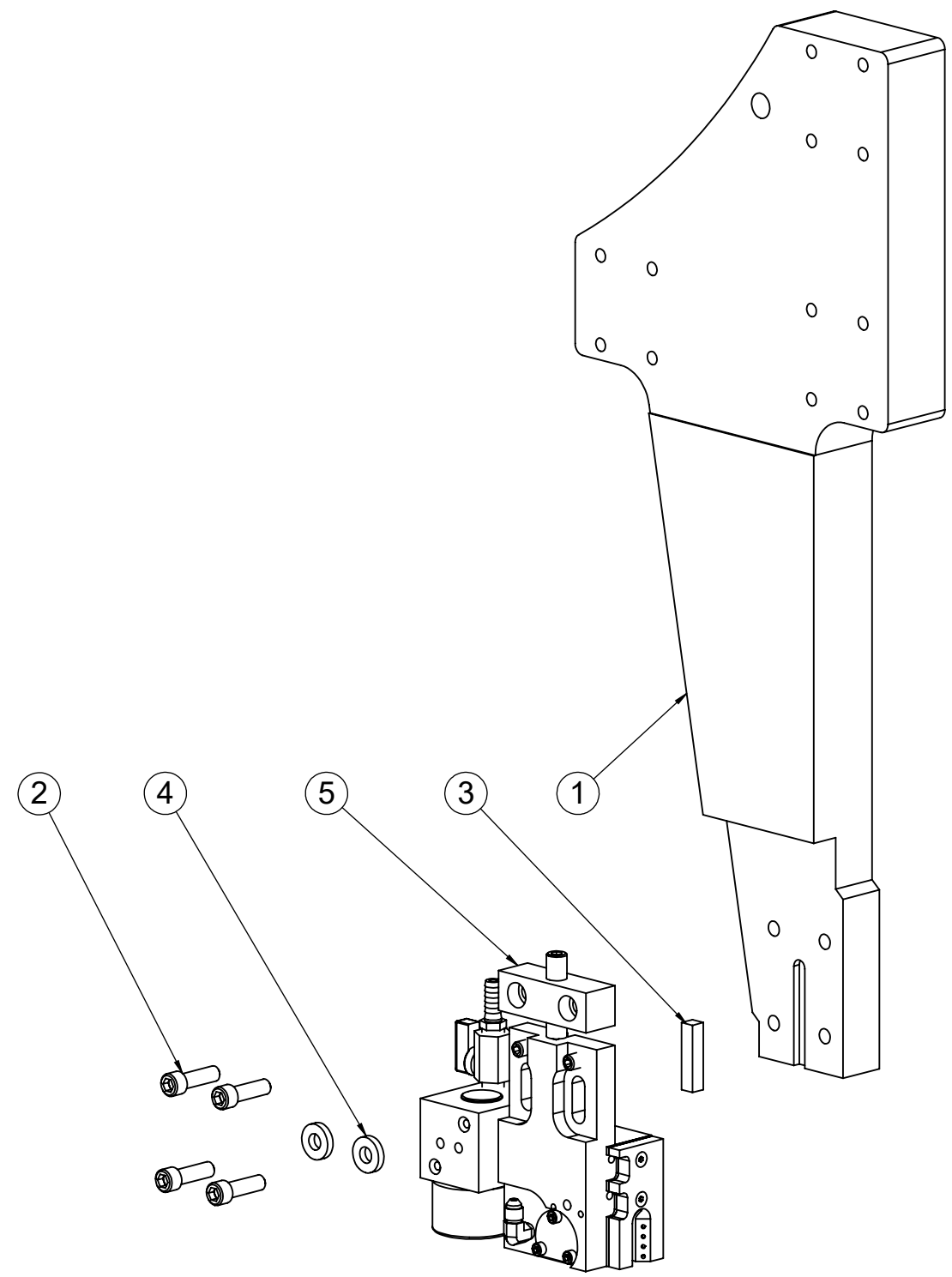
ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	H18SV-462-01A	CARBIDE BLOCK - DRIVE SIDE	1
2	H22SV-462-02	MTG BLOCK	1
3	60007624	DRIVE ANTI-VIBRATION BLOCK ASSEMBLY	1
4	60004998	ADJUSTING SCREW, GUIDE ARM BLOCK	1
5	CRB150-22A-00	ASSEMBLY, CARBIDE PAD, 1 1/2" BLADE	2
6	CRB-TL-770	CARBIDE BLANK	1
7	H14-47-04D	CARBIDE LOCKING PISTON	1
8	H14-47-05C	COVER: CARBIDE LOCKING CYLINDER	1
9	360530	FITTING HYDRAULIC STEEL ADAPTER ELBOW 90 MNPT-MJIC 2103-2-4	1
10	394880	WASHER, SPRING TENSION, BELLEVILLE, 0.505 X 0.75 X 0.015, W-270	1
11	COOL1202_BLDF	NOZZLE, COOLANT, BACKPLATE, H18	1
12	COOL1201B_BLDF	H18 COOLANT NOZZLE BLADE DEFL.	1
13	362867	SEAL, ORING, 0.750 X 0.625 X .0625	2
14	362868	SEAL, ORING, 0.875 X 0.750 X .0625	1
15	394005	SCREW, SET, CUP POINT, 0.375-16 X 1.00	2
16	390640	BOLT, SOCKET HEAD, FLAT, 0.313-18 X 0.625	1
17	393723	ROLL PIN, 0.156 X 1.75	2
18	393755	ROLL PIN, 0.25 X 1.75	1
19	390600	BOLT, SOCKET HEAD, FLAT, 10-24 X 0.75	2
20	390855	BOLT, SOCKET HEAD, CAP, 10-24 X 0.50	3
21	360675	FITTING PIPE PLUG 1/4 IN NPT HOLLOW HEX	1
22	394025	SCREW, SET, CUP POINT, 10-24 X 0.25	2
23	360670	FITTING PIPE PLUG 1/8 IN NPT HOLLOW HEX	1
24	362894	SEAL, ORING, 0.625 X 0.437 X 0.094	1



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REVISIONS				STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED								
REV	ECN NUMBER	DATE	BY									
-	ECN-01713	15FEB2021	DG		TITLE: DRIVE SIDE GUIDE BLOCK ASSEMBLY							
-	-	-	-		DIMENSIONS ARE IN INCHES		MATERIAL CODE: ASSEMBLY	MATL:	DRWN BY: DG DATE: Feb 16, 2021	CHKD BY: SJ DATE: 2/27/2021	SCALE: 1:3	SHEET: 1 OF 1
				THIRD ANGLE PROJECTION	MODEL: H18SV	COMPONENT GROUP: 40 - Blade Carrying System		PART WEIGHT: 11.52 lbs	COATING: No Coating		DRAWING NUMBER: 60007786	
												REV: -

ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	H18SV-471-01C	GUIDE ARM - IDLER SIDE	1
2	390720	BOLT, SOCKET HEAD, CAP, 0.375 - 16 X 1.25	4
3	50001465	GUIDE BLOCK ALIGNMENT KEY 0.375 X 1.69	1
4	394731	WASHER, FLAT, HARDENED, THICK, 0.375 X 0.875	2
5	60007790	IDLER SIDE GUIDE BLOCK ASSEMBLY	1



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REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN-01713	-	-
-	-	-	-

STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

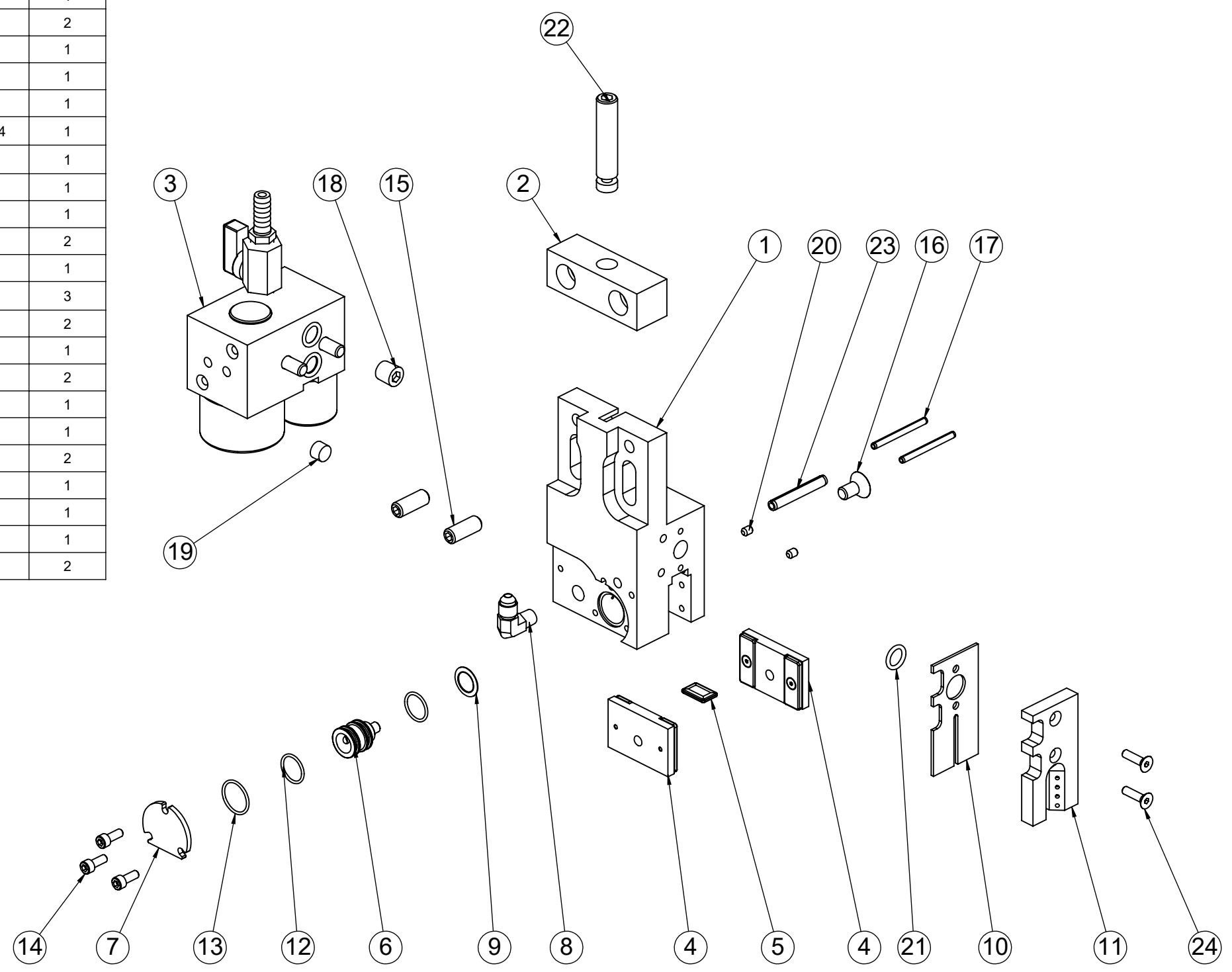
THIRD ANGLE PROJECTION



TITLE: IDLER SIDE STRAIGHT GUIDE ARM ASSEMBLY			
MATERIAL CODE: ASSEMBLY	MATL:	DRWN BY: DG DATE: Feb 25, 2021	CHKD BY: SJ DATE: 2/27/2021
MODEL: H18SV	COMPONENT GROUP: 40 - Blade Carrying System	PART WEIGHT: 85.78 lbs	COATING: No Coating
DRAWING NUMBER: 60007789		SCALE: 1:4	SHEET: 1 OF 1
		REV: -	



ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	H18SV-472-01B	CARBIDE BLOCK - IDLER SIDE	1
2	H22SV-462-02	MTG BLOCK	1
3	60007626	IDLER ANTI-VIBRATION BLOCK ASSEMBLY	1
4	CRB150-22A-00	ASSEMBLY, CARBIDE PAD, 1 1/2" BLADE	2
5	CRB-TL-770	CARBIDE BLANK	1
6	H14-47-04D	CARBIDE LOCKING PISTON	1
7	H14-47-05C	COVER: CARBIDE LOCKING CYLINDER	1
8	360530	FITTING HYDRAULIC STEEL ADAPTER ELBOW 90 MNPT-MJIC 2103-2-4	1
9	394880	WASHER, SPRING TENSION, BELLEVILLE, 0.505 X 0.75 X 015, W-270	1
10	COOL1202_BLDF	NOZZLE, COOLANT, BACKPLATE, H18	1
11	COOL1201B_BLDF	H18 COOLANT NOZZLE BLADE DEFL.	1
12	362867	SEAL, ORING, 0.750 X 0.625 X .0625	2
13	362868	SEAL, ORING, 0.875 X 0.750 X .0625	1
14	390855	BOLT, SOCKET HEAD, CAP, 10-24 X 0.50	3
15	394005	SCREW, SET, CUP POINT, 0.375-16 X 1.00	2
16	390640	BOLT, SOCKET HEAD, FLAT, 0.313-18 X 0.625	1
17	393723	ROLL PIN, 0.156 X 1.75	2
18	360675	FITTING PIPE PLUG 1/4 IN NPT HOLLOW HEX	1
19	360670	FITTING PIPE PLUG 1/8 IN NPT HOLLOW HEX	1
20	394025	SCREW, SET, CUP POINT, 10-24 X 0.25	2
21	362894	SEAL, ORING, 0.625 X 0.437 X 0.094	1
22	60004998	ADJUSTING SCREW, GUIDE ARM BLOCK	1
23	393755	ROLL PIN, 0.25 X 1.75	1
24	390600	BOLT, SOCKET HEAD, FLAT, 10-24 X 0.75	2



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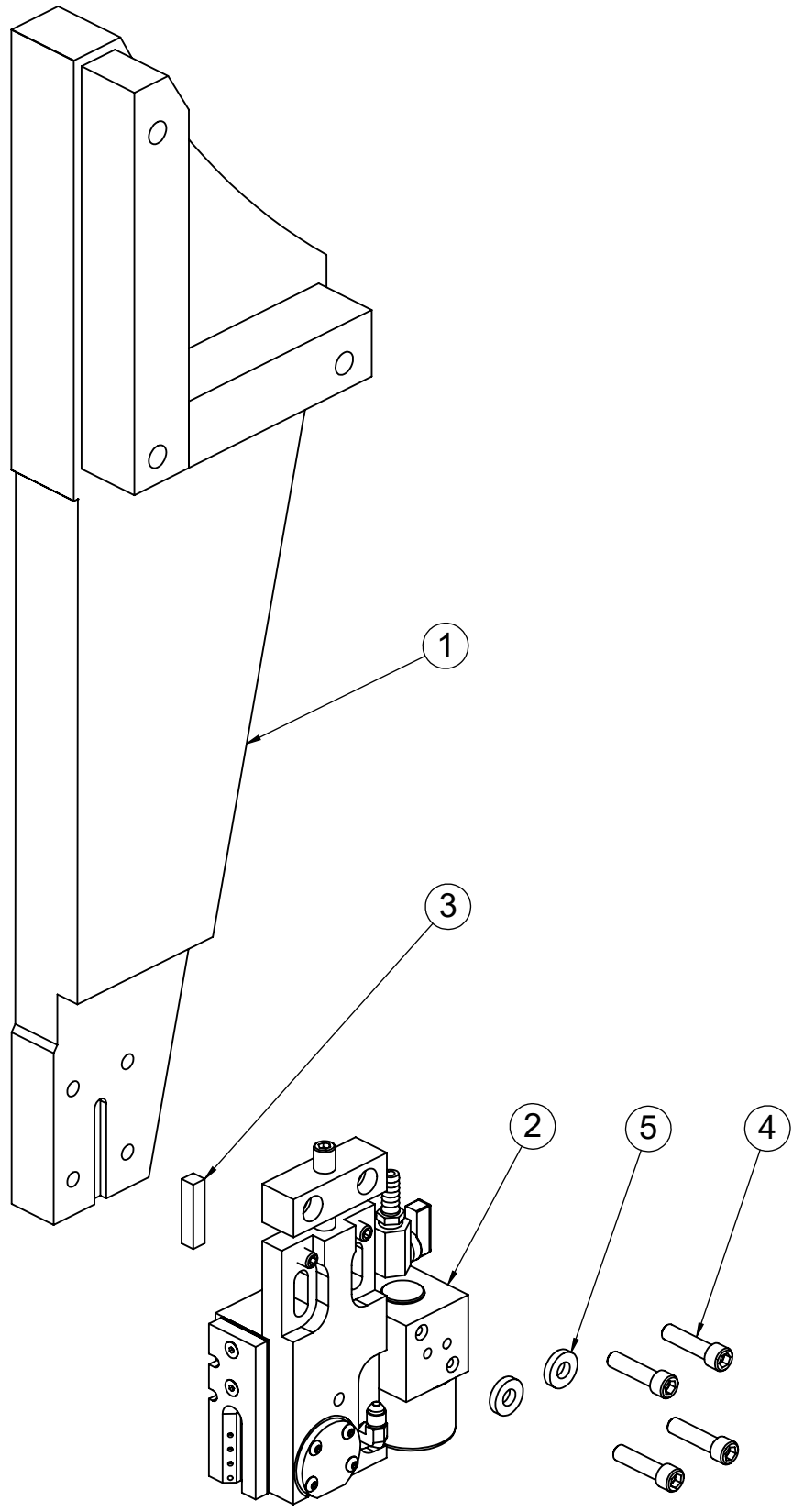
REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN-01713	17FEB2021	DG
-	-	-	-

STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 THIRD ANGLE PROJECTION



TITLE: IDLER SIDE GUIDE BLOCK ASSEMBLY			
MATERIAL CODE: ASSEMBLY	MATL:	DRWN BY: DG DATE: Feb 17, 2021	CHKD BY: SJ DATE: 2021-02-27
MODEL: H18SV	COMPONENT GROUP: 40 - Blade Carrying System	PART WEIGHT: 11.58 lbs	COATING: No Coating
DRAWING NUMBER: 60007790		SCALE: 1:3	SHEET: 1 OF 1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	M-H22SV-461-00B	GUIDE ARM WELDMENT - DRIVE SIDE	1
2	60007788	DRIVE SIDE GUIDE BLOCK ASSEMBLY	1
3	50001465	GUIDE BLOCK ALIGNMENT KEY 0.375 X 1.69	1
4	390725	BOLT, SOCKET HEAD, CAP, 0.375-16 X 1.5	4
5	394731	WASHER, FLAT, HARDENED, THICK, 0.375 X 0.875	2



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REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN-01713	15FEB2021	DG
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-	-	-	-
-	-	-	-

STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED

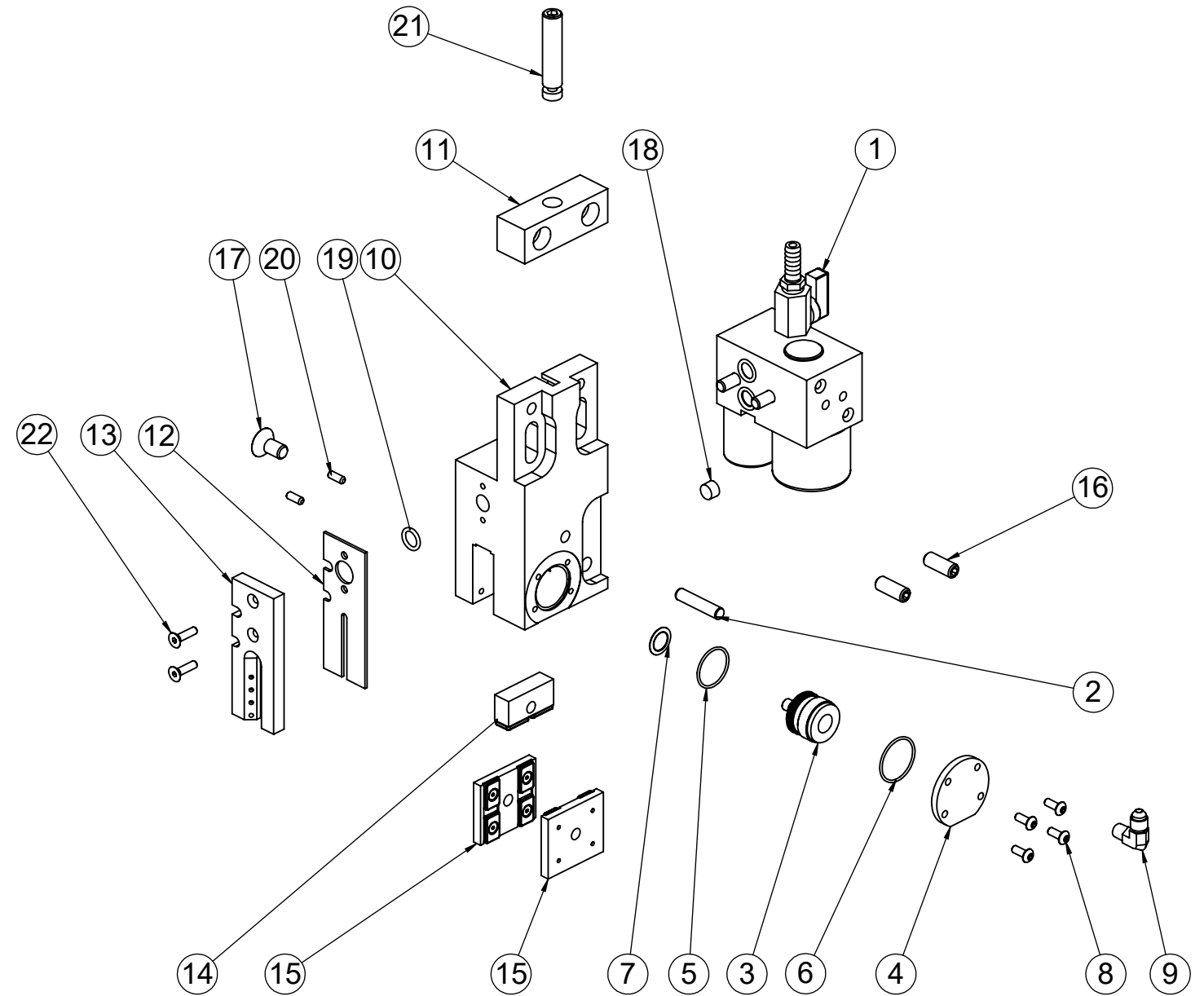
DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION



TITLE: DRIVE SIDE GUIDE ARM ASSEMBLY			
MATERIAL CODE: ASSEMBLY	MATL:	DRWN BY: DG DATE: Feb 18, 2021	CHKD BY: SJ DATE: 2021-02-27
MODEL: H22SV	COMPONENT GROUP: 40 - Blade Carrying System	PART WEIGHT: 115.90 lbs	SCALE: 1:4
DRAWING NUMBER: 60007787		COATING: No Coating	SHEET: 1 OF 1

ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	60007625	DRIVE ANTI-VIBRATION ROLLER ASSEMBLY	1
2	395254	PIN, DOWEL, 0.313 X 1.50	1
3	H22SV-47-04	CARBIDE LOCKING PISTON	1
4	H22SV-47-05	COVER : CARBIDE LOCKING CYLINDER	1
5	362932	SEAL, ORING, 1.125 X .100 X .0625	1
6	362933	SEAL, ORING, 1.25 X 1.125 X .0625	1
7	394880	WASHER, SPRING TENSION, BELLEVILLE, 0.505 X 0.75 X 015, W-270	1
8	390025	BOLT, BUTTON HEAD, CAP, 10-24 X 0.50	4
9	360530	FITTING HYDRAULIC STEEL ADAPTER ELBOW 90 MNPT-MJIC 2103-2-4	1
10	H22SV-462-01	CARBIDE BLOCK - DRIVE SIDE	1
11	H22SV-462-02	MTG BLOCK	1
12	COOL202D	BACKPLATE, COOLANT NOZZLE, H22 / H28	1
13	COOL201B_BLDF	H22/H28 COOLANT NOZZLE BLADE DEFL.	1
14	CRBTOP-00	CARBIDE TOP ASSEMBLY	1
15	CRB200-22-00	CARBIDE PAD - REAR 2" BLADE	2
16	394005	SCREW, SET, CUP POINT, 0.375-16 X 1.00	2
17	390625	BOLT, SOCKET HEAD, FLAT, 0.375-16 X 0.75	1
18	360670	FITTING PIPE PLUG 1/8 IN NPT HOLLOW HEX	1
19	362894	SEAL, ORING, 0.625 X 0.437 X 0.094	1
20	394035	SCREW, SET, CUP POINT, 10-24 X 0.50	2
21	60004998	ADJUSTING SCREW, GUIDE ARM BLOCK	1
22	390600	BOLT, SOCKET HEAD, FLAT, 10-24 X 0.75	2



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REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN-01713	15FEB2021	DG
-	-	-	-

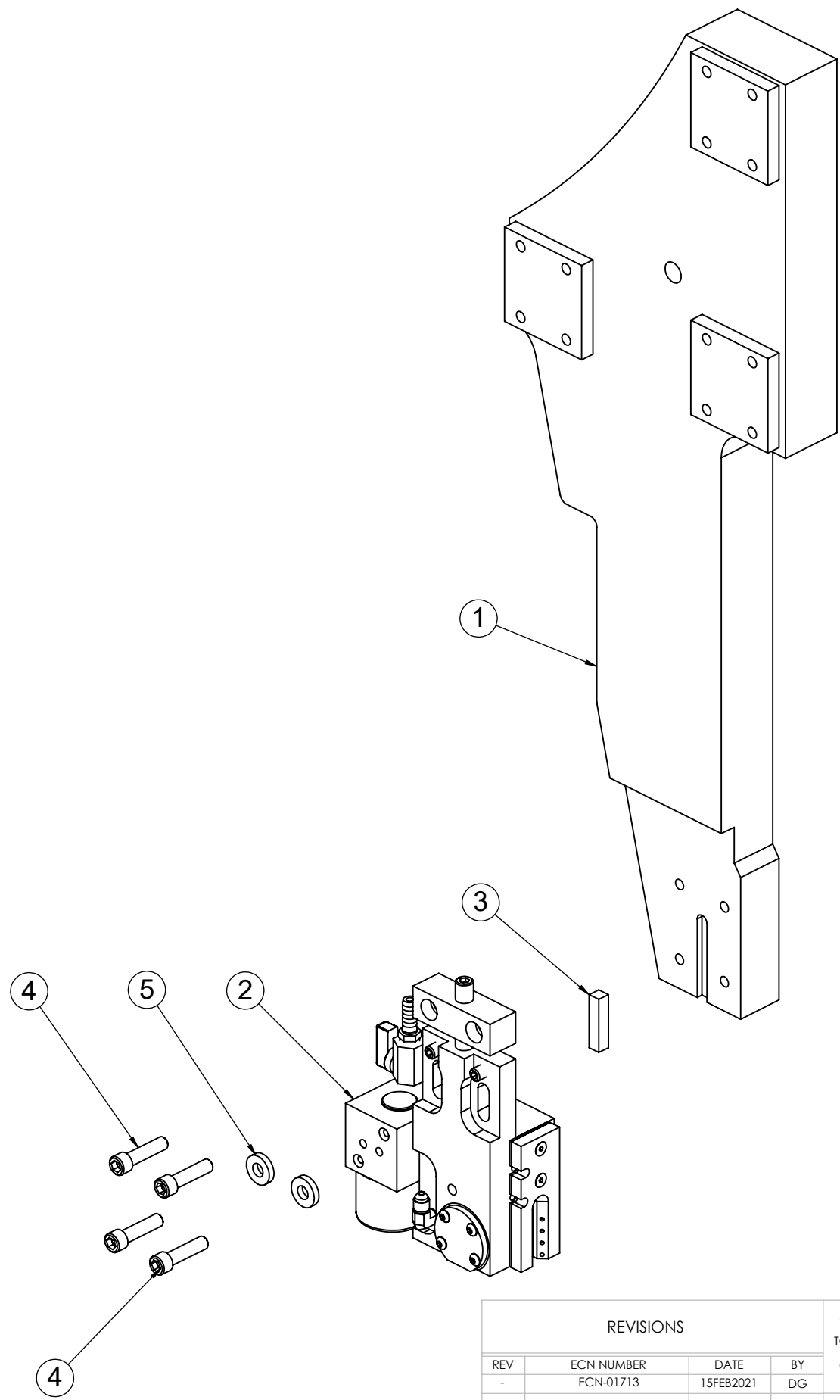
STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION

<b>HYDMECH</b>			
TITLE: DRIVE SIDE GUIDE BLOCK ASSEMBLY			
MATERIAL CODE: ASSEMBLY	MATL:	DRWN BY: DG DATE: Feb 16, 2021	CHKD BY: SJ DATE: 2/27/2021
MODEL: H28SV	COMPONENT GROUP: 40 - Blade Carrying System	PART WEIGHT: 14.63 lbs	COATING: No Coating
DRAWING NUMBER: 60007788			REV: -

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	H22SV-471-00	GUIDE ARM - IDLER SIDE	1
2	60007792	IDLER SIDE GUIDE BLOCK ASSEMBLY	1
3	50001465	GUIDE BLOCK ALIGNMENT KEY 0.375 X 1.69	1
4	390725	BOLT, SOCKET HEAD, CAP, 0.375-16 X 1.5	4
5	394731	WASHER, FLAT, HARDENED, THICK, 0.375 X 0.875	2



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REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN-01713	15FEB2021	DG
-	-	-	-

STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED

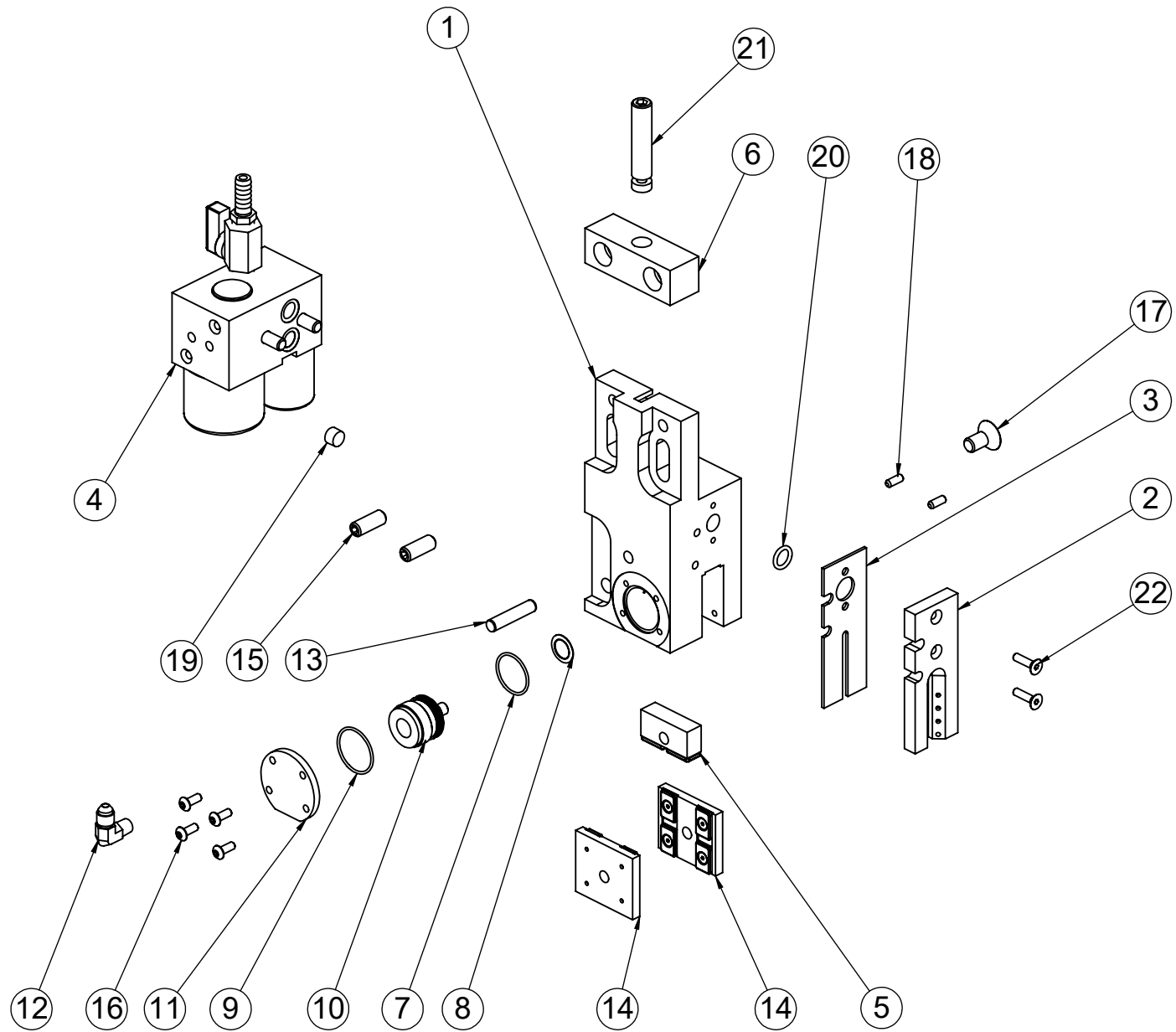
DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION



TITLE IDLER SIDE STRAIGHT GUIDE ARM ASSEMBLY			
MATERIAL CODE:	MATL:	DRWN BY: DG DATE: Feb 25, 2021	CHKD BY: SJ DATE: 2/27/2021
MODEL: H22SV	COMPONENT GROUP: 40 - Blade Carrying System	PART WEIGHT: 117.15 lbs	COATING: No Coating
DRAWING NUMBER: 60007791		SCALE: 1:4	SHEET: 1 OF 1
REV: -			

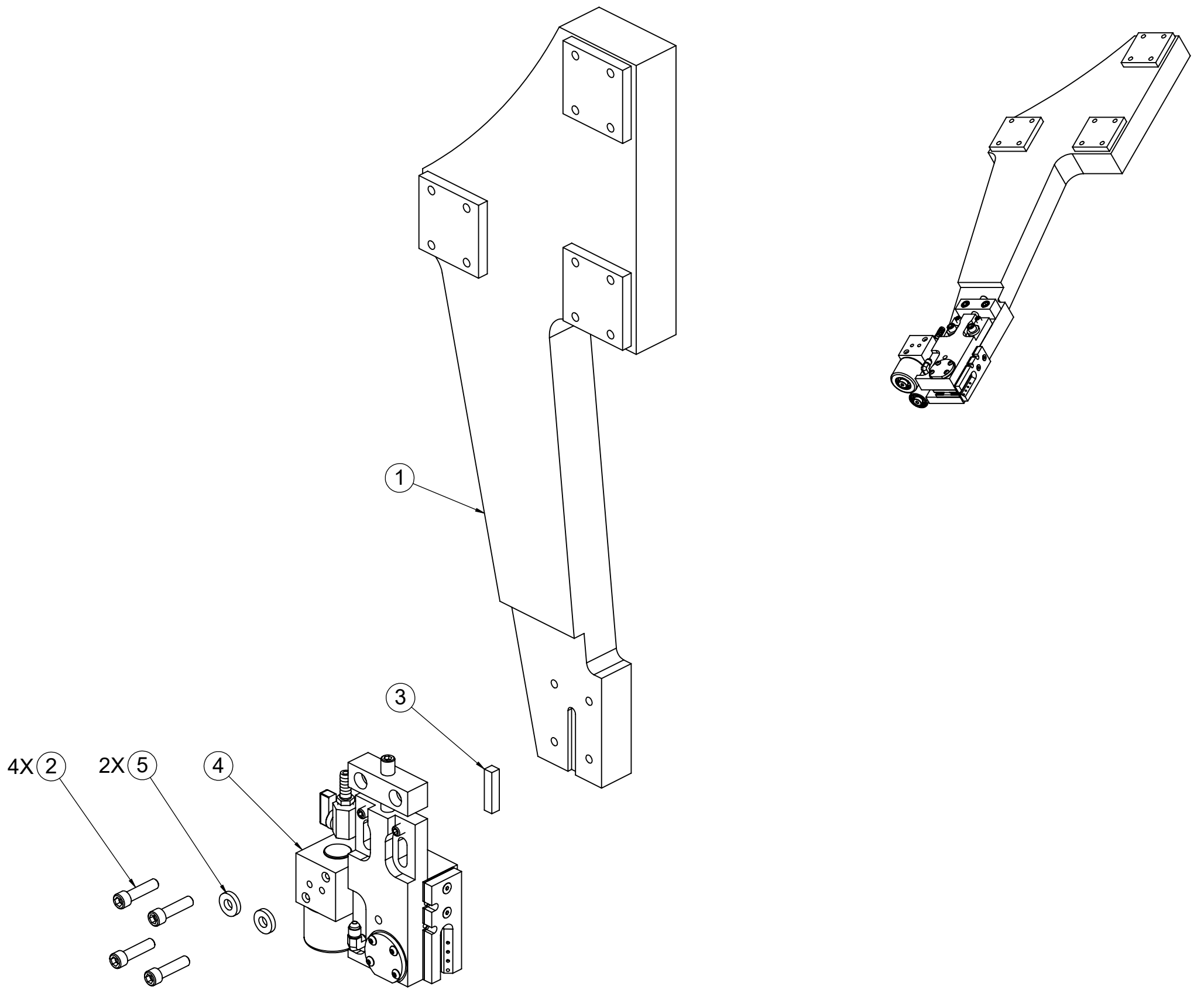
ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	H22SV-472-01A	CARBIDE BLOCK - IDLER SIDE	1
2	COOL201B_BLD	H22/H28 COOLANT NOZZLE BLADE DEFL.	1
3	COOL202D	BACKPLATE, COOLANT NOZZLE, H22 / H28	1
4	60007627	IDLER ANTI-VIBRATION BLOCK ASSEMBLY	1
5	CRBTOP-00	CARBIDE TOP ASSEMBLY	1
6	H22SV-462-02	MTG BLOCK	1
7	362932	SEAL, ORING, 1.125 X 1.00 X .0625	1
8	394880	WASHER, SPRING TENSION, BELLEVILLE, 0.505 X 0.75 X 015, W-270	1
9	362933	SEAL, ORING, 1.25 X 1.125 X .0625	1
10	H22SV-47-04	CARBIDE LOCKING PISTON	1
11	H22SV-47-05	COVER : CARBIDE LOCKING CYLINDER	1
12	360530	FITTING HYDRAULIC STEEL ADAPTER ELBOW 90 MNPT-MJIC 2103-2-4	1
13	395254	PIN, DOWEL, 0.313 X 1.50	1
14	CRB200-22-00	CARBIDE PAD - REAR 2" BLADE	2
15	394005	SCREW, SET, CUP POINT, 0.375-16 X 1.00	2
16	390025	BOLT, BUTTON HEAD, CAP, 10-24 X 0.50	4
17	390625	BOLT, SOCKET HEAD, FLAT, 0.375-16 X 0.75	1
18	394035	SCREW, SET, CUP POINT, 10-24 X 0.50	2
19	360670	FITTING PIPE PLUG 1/8 IN NPT HOLLOW HEX	1
20	362894	SEAL, ORING, 0.625 X 0.437 X 0.094	1
21	60004998	ADJUSTING SCREW, GUIDE ARM BLOCK	1
22	390600	BOLT, SOCKET HEAD, FLAT, 10-24 X 0.75	2



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REVISIONS				STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED	HYDMECH							
REV	ECN NUMBER	DATE	BY		TITLE							
-	ECN-01713	15FEB2021	DG	IDLER SIDE GUIDE BLOCK ASSEMBLY				DRWN BY: DG	CHKD BY: SJ	SCALE: 1:4	SHEET: 1 OF 1	
-	-	-	-	DIMENSIONS ARE IN INCHES				MATERIAL CODE: ASSEMBLY	MATL:	PART WEIGHT: 14.47 lbs	COATING: No Coating	REV: -
				THIRD ANGLE PROJECTION				MODEL: H28SV	COMPONENT GROUP: 40 - Blade Carrying System	DRAWING NUMBER: 60007792		

ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	H22SV-G471-00	GUIDE ARM - IDLER SIDE	1
2	390725	BOLT, SOCKET HEAD, CAP, 0.375-16 X 1.5	4
3	50001465	GUIDE BLOCK ALIGNMENT KEY 0.375 X 1.69	1
4	60007792	IDLER SIDE GUIDE BLOCK ASSEMBLY	1
5	394731	WASHER, FLAT, HARDENED, THICK, 0.375 X 0.875	2



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REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN-01713	23FEB2021	DG
-	-	-	-

STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED

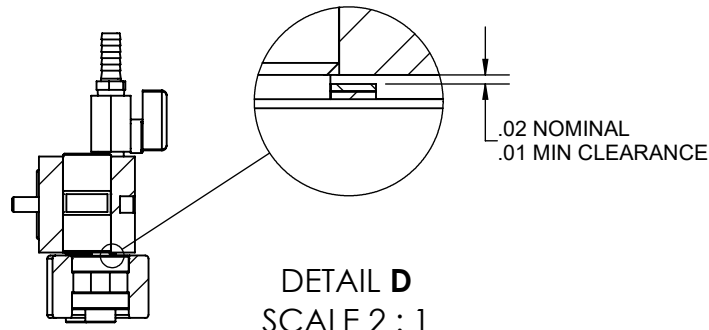
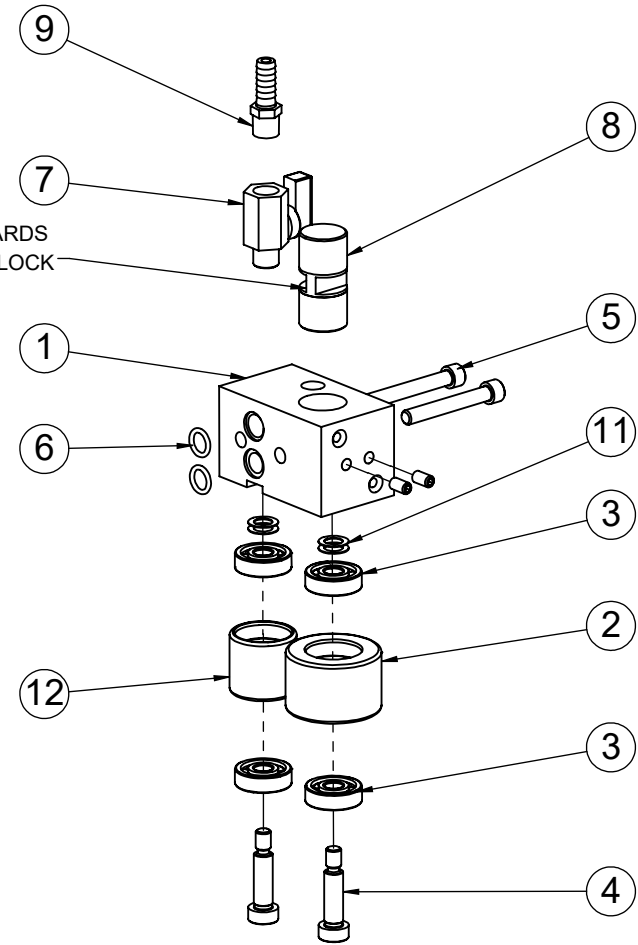
DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION

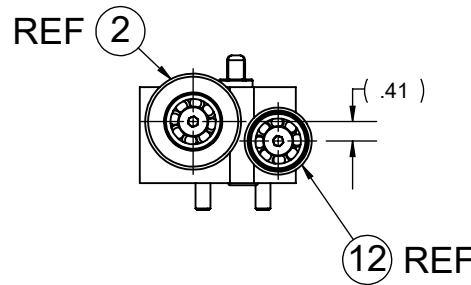
<b>HYDMECH</b>			
TITLE: IDLER SIDE CANTED GUIDE ARM ASSEMBLY			
MATERIAL CODE:	MATL:	DRWN BY: DG DATE: Feb 25, 2021	CHKD BY: SJ DATE: 2/27/2021
MODEL: H22SV	COMPONENT GROUP: 40 - Blade Carrying System	PART WEIGHT: 109.70 lbs	COATING: No Coating
DRAWING NUMBER: 60007442		SCALE: 1:4	SHEET: 1 OF 1
		REV: -	

ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	60007491	DRIVE ANTI-VIBRATION BLOCK	1
2	AVR-461-02A	FRONT ROLLER RACE	1
3	340075	BEARING, BALL, 6200 2RS	4
4	395294	BOLT, SHOULDER SCREW, M10-1.5 X 30	2
5	395253	BOLT, SOCKET HEAD, CAP, 0.313-18 X 2.25 X 1.125	2
6	362894	SEAL, ORING, 0.625 X 0.437 X 0.094	2
7	363180	MINI BALL VALVE 1/4 MXF MPT	1
8	50002234	ECCENTRIC ROLLER PIN	1
9	360230	FITTING BRASS HOSE BARB NPT STRAIGHT	1
10	393960	SCREW, SET, CUP POINT, 0.25-20 X 0.50	2
11	394466	SHIM METRIC 10 ID X 16 OD X 0.5mm THK	4
12	60007478	BACK ROLLER RACE	1

DEEP GROOVE TOWARDS  
INSIDE OF BLOCK



SECTION C-C



REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN-01713	30OCT2020	DG
-	-	-	-

STANDARD  
HYDMECH  
TOLERANCES  
UNLESS  
OTHERWISE  
SPECIFIED

DIMENSIONS  
ARE IN INCHES

THIRD ANGLE PROJECTION

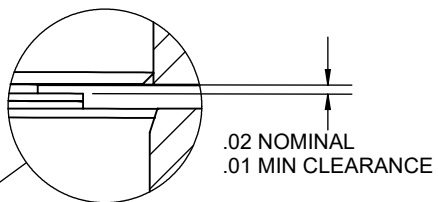
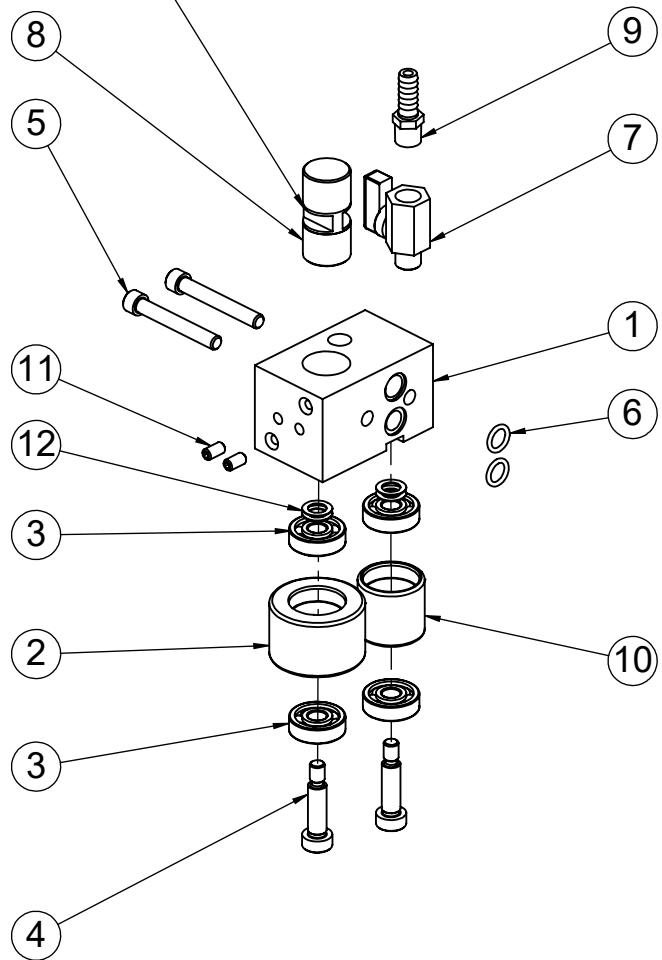


TITLE DRIVE ANTI-VIBRATION BLOCK ASSEMBLY			
MATERIAL CODE: ASSEMBLY	MATL:	DRAWN BY: DG DATE: Jan 07, 2021	CHKD BY: SJ DATE: 2021-01-27
MODEL: Generic	COMPONENT GROUP: 40 - Blade Carrying System	PART WEIGHT: 4.45 lbs	SCALE 1:4
		COATING: No Coating	SHEET 1 OF 1
DRAWING NUMBER: 60007624			REV -

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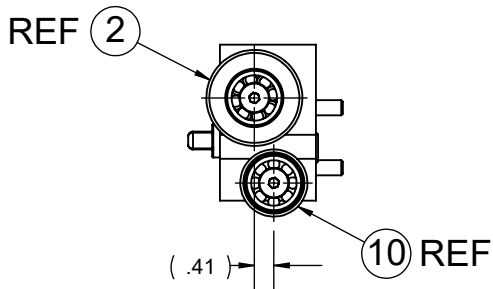
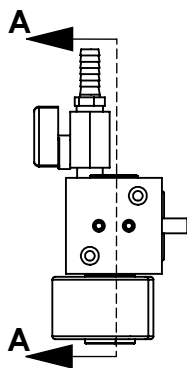
ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	60007492	IDLER ANTI-VIBRATION BLOCK	1
2	AVR-461-02A	FRONT ROLLER RACE	1
3	340075	BEARING, BALL, 6200 2RS	4
4	395294	BOLT, SHOULDER SCREW, M10-1.5 X 30	2
5	395253	BOLT, SOCKET HEAD, CAP, 0.313-18 X 2.25 X 1.125	2
6	362894	SEAL, ORING, 0.625 X 0.437 X 0.094	2
7	363180	MINI BALL VALVE 1/4 MXF MPT	1
8	50002234	ECCENTRIC ROLLER PIN	1
9	360230	FITTING BRASS HOSE BARB NPT STRAIGHT	1
10	60007478	BACK ROLLER RACE	1
11	393960	SCREW, SET, CUP POINT, 0.25-20 X 0.50	2
12	394466	SHIM METRIC 10 ID X 16 OD X 0.5mm THK	4

DEEP GROOVE TOWARDS  
INSIDE OF BLOCK



DETAIL B  
SCALE 2 : 1

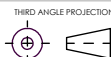
SECTION A-A  
SCALE 1 : 4



REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN-01713	30OCT2020	DG
-	-	-	-
-	-	-	-
-	-	-	-

STANDARD  
HYDMECH  
TOLERANCES  
UNLESS  
OTHERWISE  
SPECIFIED

DIMENSIONS  
ARE IN INCHES

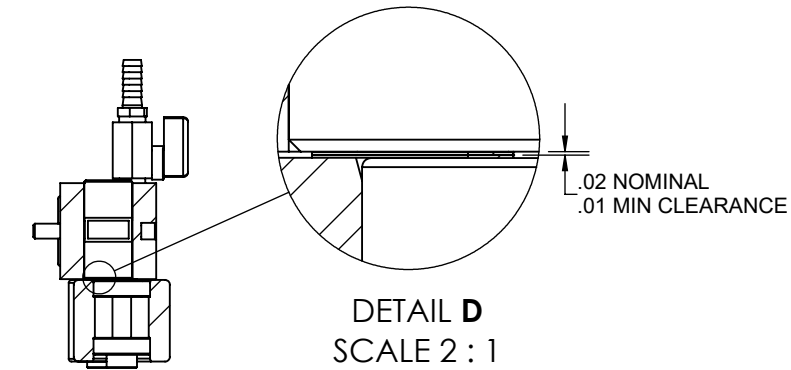


TITLE IDLER ANTI-VIBRATION BLOCK ASSEMBLY			
MATERIAL CODE: ASSEMBLY	MATL:	DRWN BY: DG DATE: Jan 07, 2021	CHKD BY: SJ DATE: 1/27/2021
MODEL: Generic	COMPONENT GROUP: 40 - Blade Carrying System	PART WEIGHT: 4.45 lbs	SCALE 1:4
		COATING: No Coating	SHEET 1 OF 1
DRAWING NUMBER: <b>60007626</b>			REV -

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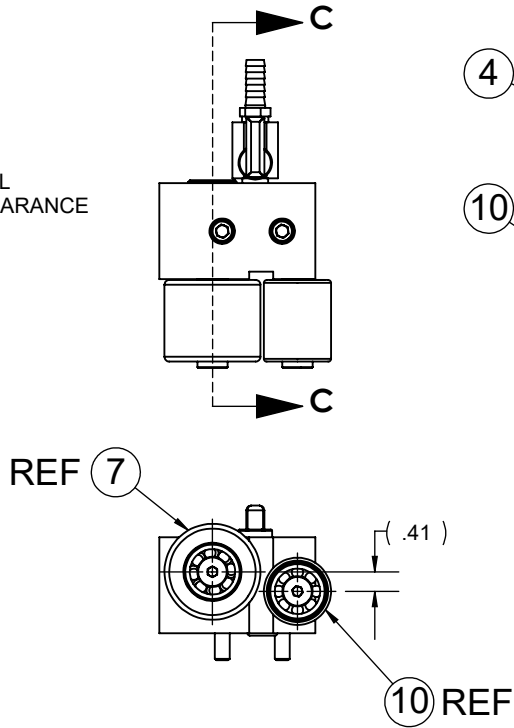


ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	60007491	DRIVE ANTI-VIBRATION BLOCK	1
2	340075	BEARING, BALL, 6200 2RS	4
3	395253	BOLT, SOCKET HEAD, CAP, 0.313-18 X 2.25 X 1.125	2
4	362894	SEAL, ORING, 0.625 X 0.437 X 0.094	2
5	360230	FITTING BRASS HOSE BARB NPT STRAIGHT	1
6	363180	MINI BALL VALVE 1/4 MXF MPT	1
7	AVR-461-05	BACK ROLLER RACE	1
8	390556	BOLT, SHOULDER SCREW, M10-1.5 X 40	2
9	50002234	ECCENTRIC ROLLER PIN	1
10	60007481	BACK ROLLER RACE	1
11	393960	SCREW, SET, CUP POINT, 0.25-20 X 0.50	2
12	394465	SHIM METRIC 10 ID X 16 OD X 0.2	4

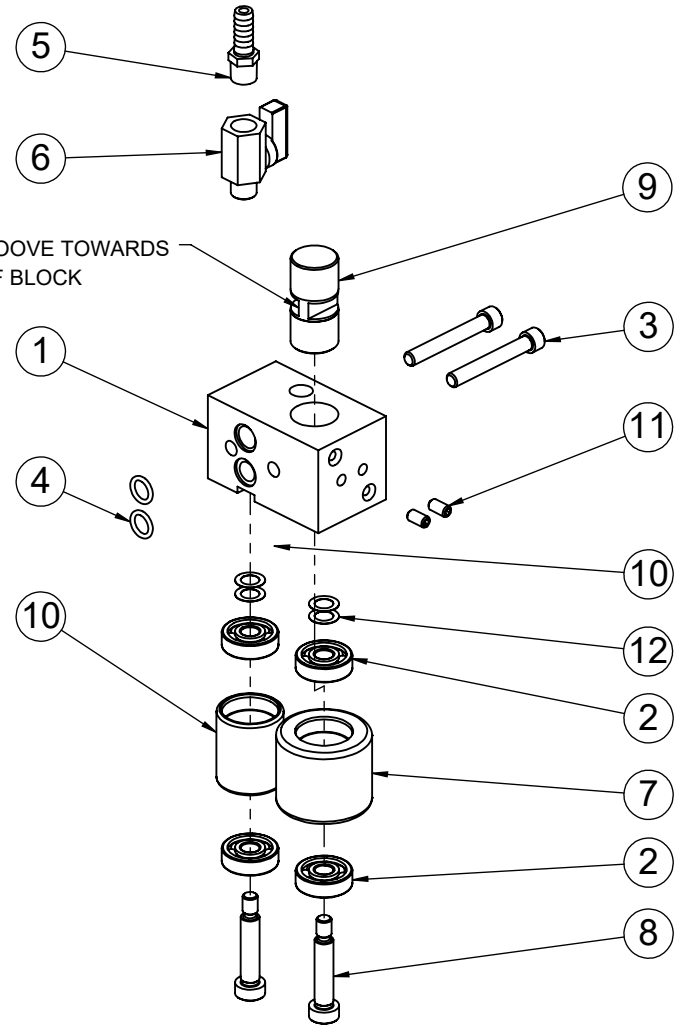


SECTION C-C

DETAIL D  
SCALE 2 : 1



DEEP GROOVE TOWARDS  
INSIDE OF BLOCK



REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN-01713	02NOV2020	DG
-	-	-	-
-	-	-	-
-	-	-	-

STANDARD  
HYDMECH  
TOLERANCES  
UNLESS  
OTHERWISE  
SPECIFIED

DIMENSIONS  
ARE IN INCHES

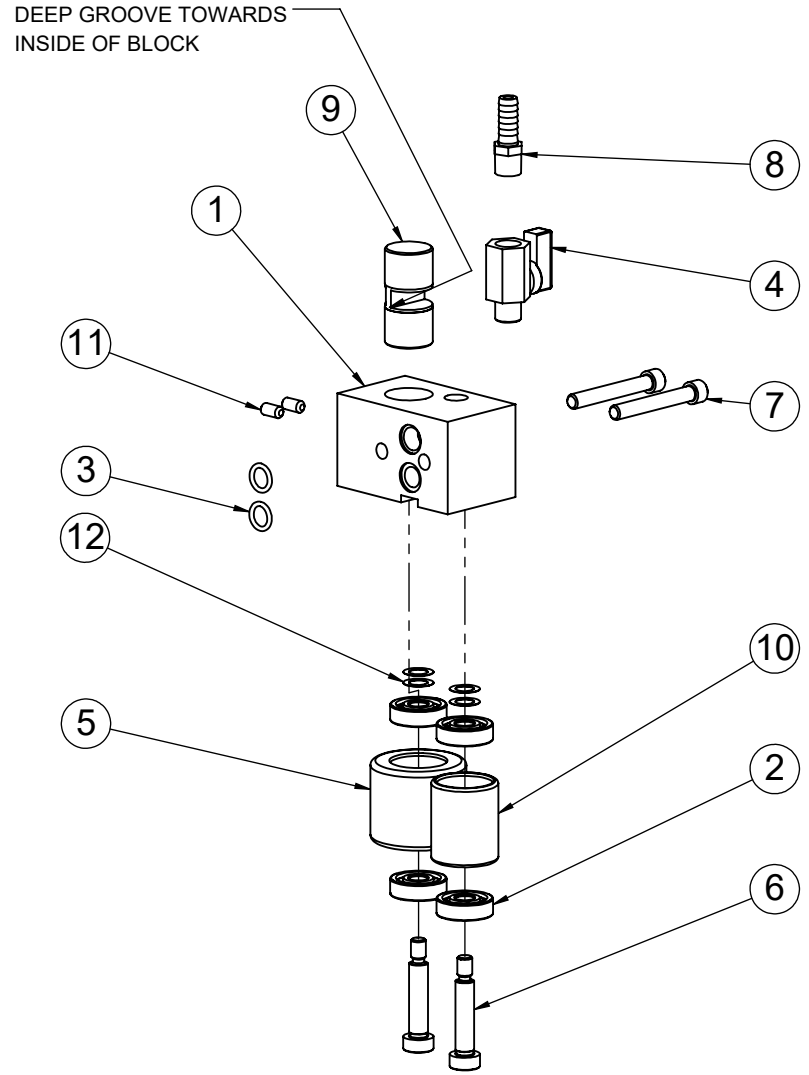
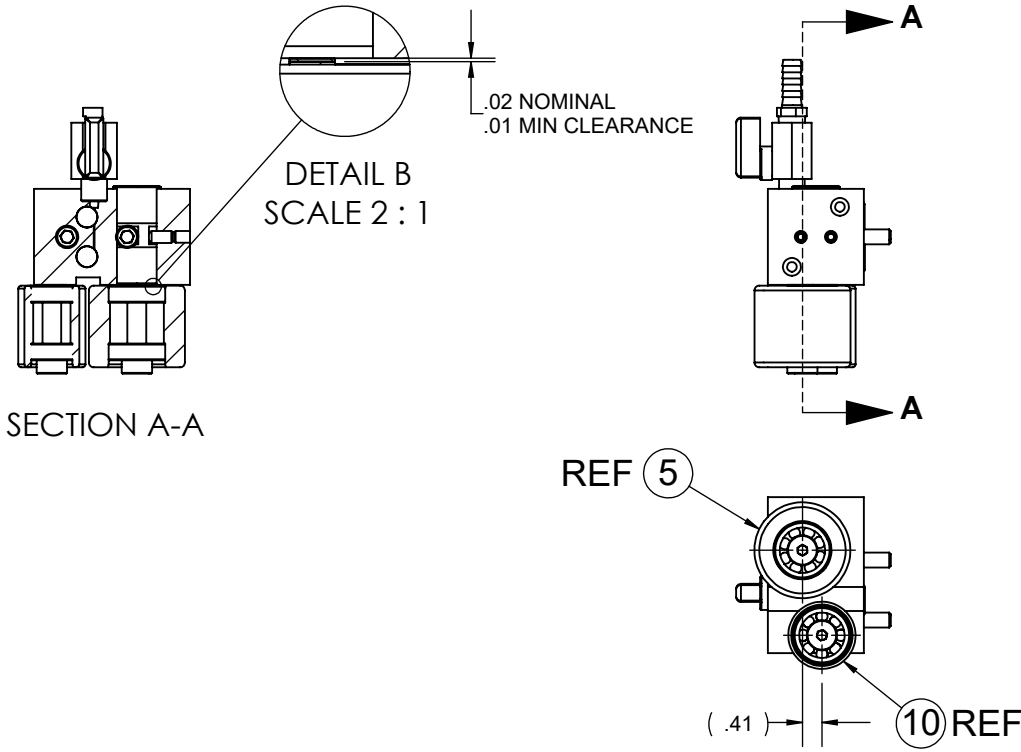
THIRD ANGLE PROJECTION



TITLE			
DRIVE ANTI-VIBRATION ROLLER ASSEMBLY			
MATERIAL CODE: ASSEMBLY	MATL:	DRWN BY: DG	CHKD BY: SJ
MODEL: Generic	COMPONENT GROUP: 40 - Blade Carrying System	DATE: Jan 04, 2021	DATE: 2021-01-27
		PART WEIGHT: 4.76 lbs	COATING: No Coating
		DRAWING NUMBER: 60007625	REV -
		SCALE 1:4	SHEET 1 OF 1

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ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	60007492	IDLER ANTI-VIBRATION BLOCK	1
2	340075	BEARING, BALL, 6200 2RS	4
3	362894	SEAL, ORING, 0.625 X 0.437 X 0.094	2
4	363180	MINI BALL VALVE 1/4 MXF MPT	1
5	AVR-461-05	BACK ROLLER RACE	1
6	390556	BOLT, SHOULDER SCREW, M10-1.5 X 40	2
7	395253	BOLT, SOCKET HEAD, CAP, 0.313-18 X 2.25 X 1.125	2
8	360230	FITTING BRASS HOSE BARB NPT STRAIGHT	1
9	50002234	ECCENTRIC ROLLER PIN	1
10	60007481	BACK ROLLER RACE	1
11	393960	SCREW, SET, CUP POINT, 0.25-20 X 0.50	2
12	394465	SHIM METRIC 10 ID X 16 OD X 0.2	4



REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN-01713	02NOV2020	DG
-	-	-	-

STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

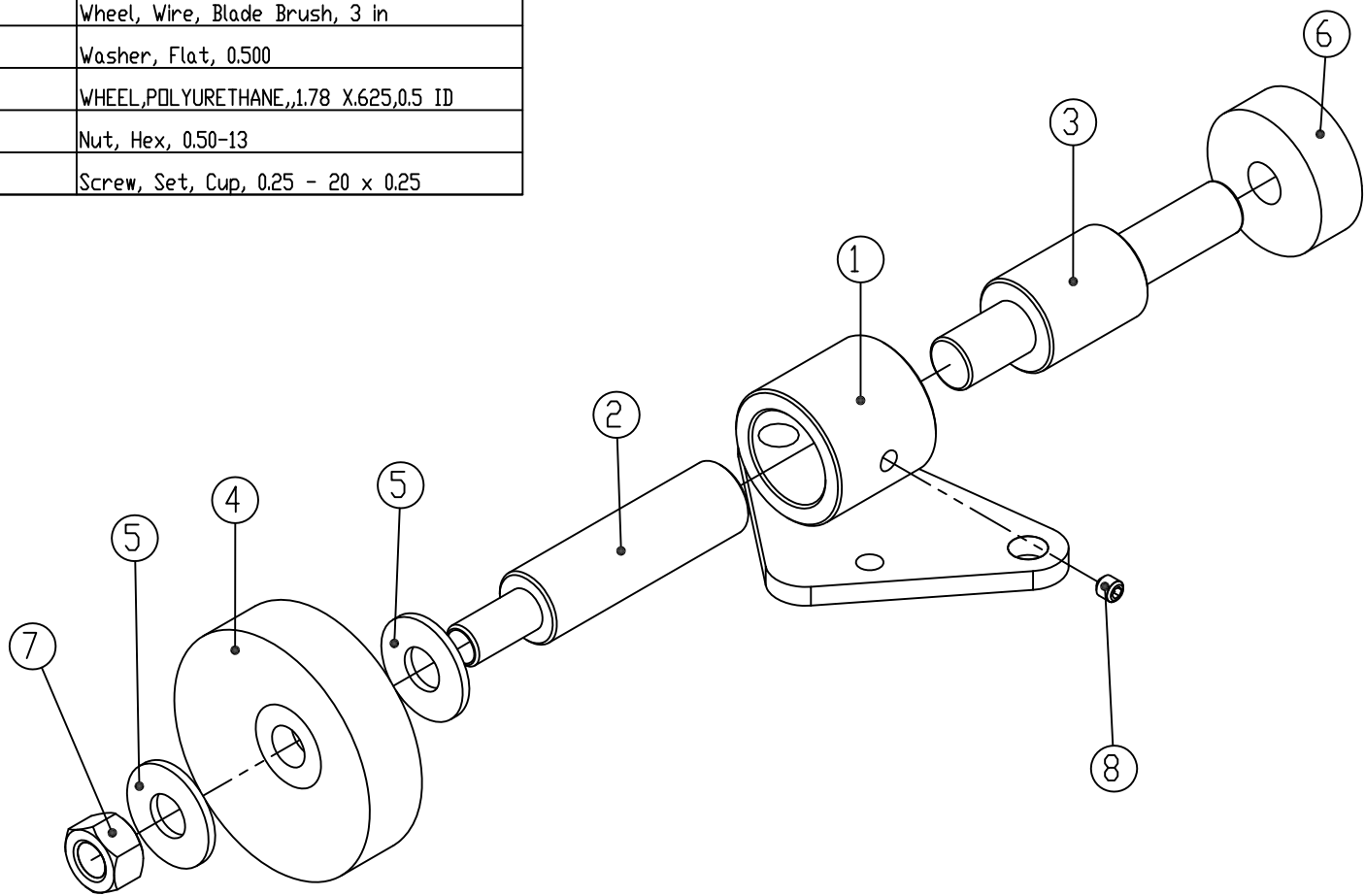
THIRD ANGLE PROJECTION



TITLE <b>IDLER ANTI-VIBRATION BLOCK ASSEMBLY</b>			
MATERIAL CODE: ASSEMBLY	MATL:	DRWN BY: DG	CHKD BY: SJ
MODEL: Generic	COMPONENT GROUP: 40 - Blade Carrying System	DATE: Jan 04, 2021	DATE: 1/27/2021
		PART WEIGHT: 4.76 lbs	COATING: No Coating
		DRAWING NUMBER: <b>60007627</b>	SCALE: 1:4
			SHEET 1 OF 1
			REV -

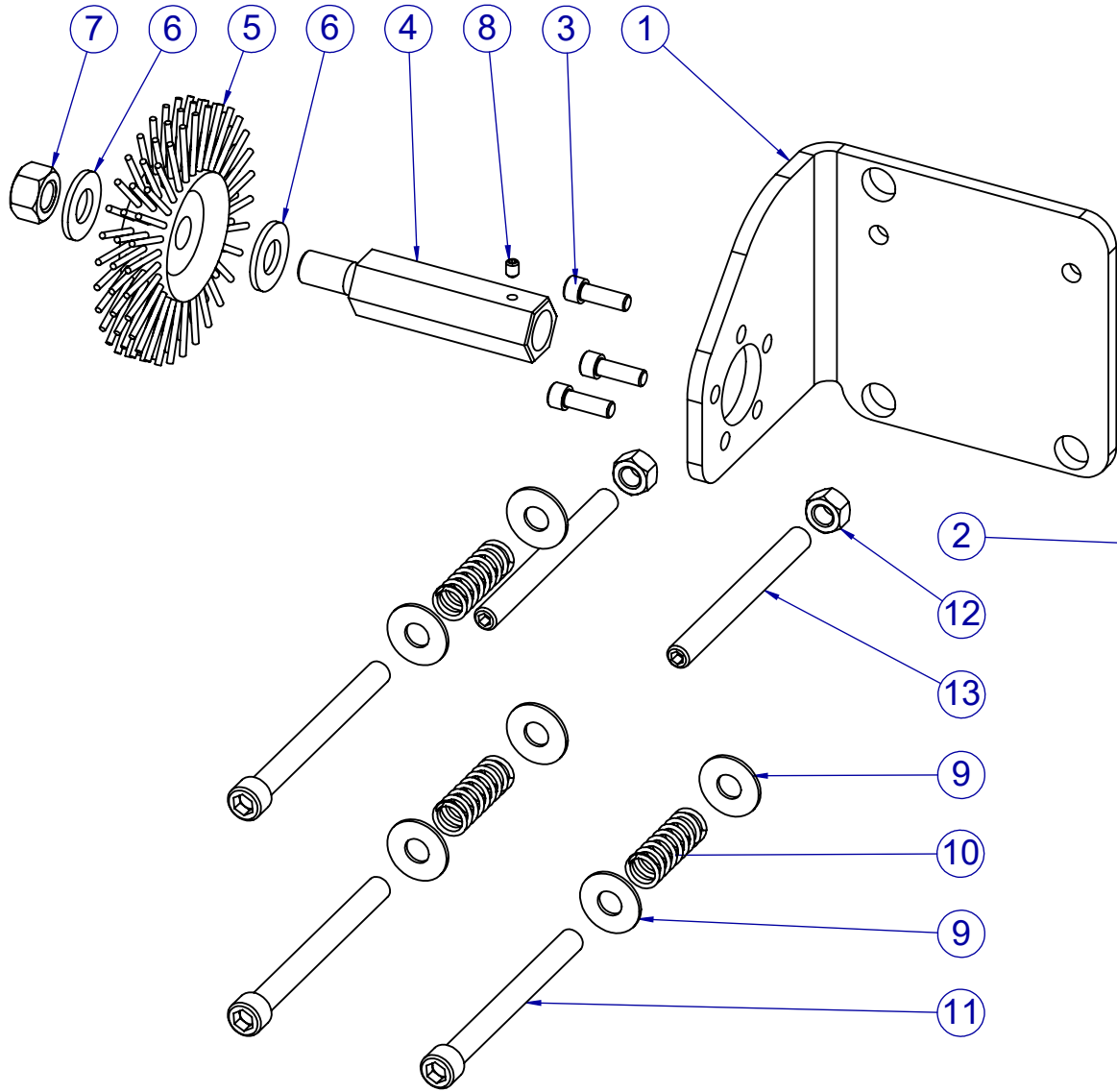
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ITEM #	QTY.	PART NO.	DESCRIPTION
1	1	S20M-431-00	WELDMNT, PLATE, BEARING
2	1	S22-43-01	SHAFT, EXTENSION
3	1	340280	BEARING, WATER PUMP, W6440-4
4	1	342315	Wheel, Wire, Blade Brush, 3 in
5	2	394665	Washer, Flat, 0.500
6	1	809758	WHEEL,POLYURETHANE,,1.78 X.625,0.5 ID
7	1	392860	Nut, Hex, 0.50-13
8	1	393950	Screw, Set, Cup, 0.25 - 20 x 0.25

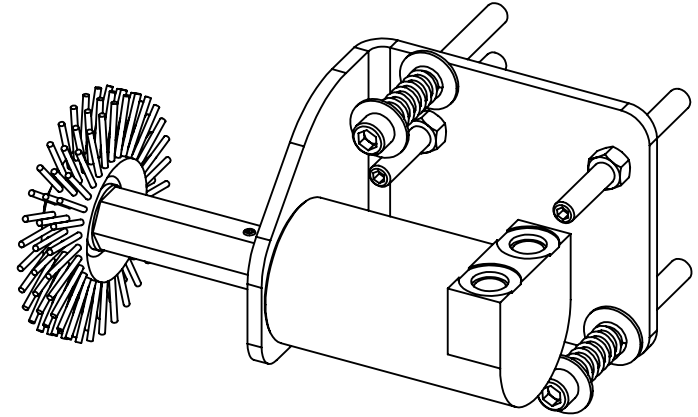
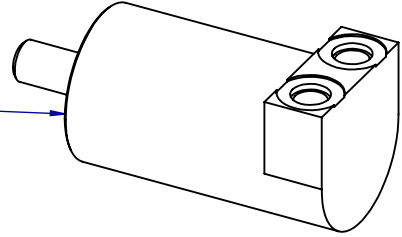


REVISIONS				STANDARD TOLERANCES UNLESS OTHERWISE SPECIFIED		HYD - MECH The Rock Solid Solution		HYD - MECH GROUP LIMITED WOODSTOCK, ONTARIO, CANADA M4S 8M4							
REV	ECN NUMBER	DATE	BY	DIMENSIONS ARE IN INCHES		TITLE		MATERIAL CODE	MAT'L	SAW CUT LENGTH	DRWN BY: J.S.	CHKD BY:	SCALE	SHEET	REV
				LINEAR		ASSEMBLY, BLADE BRUSH					DATE: 12/16/2004	DATE:	1:8	1 OF 1	-
				ANGULAR		ASSEMBLY									
				THIRD ANGLE PROJECTION		OVERALL DIMENSIONS		THK/OD	WTH/ID	WALL/WT	PART WEIGHT		DRAWING NUMBER: S22-43-00A		
				= 125 MICRONS		LENGTH		X	X	X					

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ITM#	QTY.	PART NO.	DESCRIPTION
1	1	M-H22-48-01B	BLADE BRUSH MOUNTING PLATE
2	1	362700	MOTOR HYDRAULIC DANFOSS OMM 8
3	3	390685	BOLT, SOCKET HEAD, 0.2500 - 28 x 0.75
4	1	H22SV-43-01	SHAFT, EXTENSION
5	1	342320	BRUSH, WOLSELEY IPG# 040595020
6	2	394665	WASHER, FLAT, 0.5000
7	1	392860	NUT, HEX, 0.5000 - 13
8	1	394025	SET SCREW, 10-24 x 0.2500, CUP
9	6	394715	WASHER, FLAT, 0.3750, SAE
10	3	341960	SPRG, CMPRS, OD 0.600 x W 0.072 x L 1.500, TC 13
11	3	390750	BOLT, SOCKET HEAD, 0.3750 - 16 x 4.00
12	2	392850	NUT, HEX, 0.3750 - 16
13	2	394160	SET SCREW, 0.3750 - 16 x 4.000, FLAT



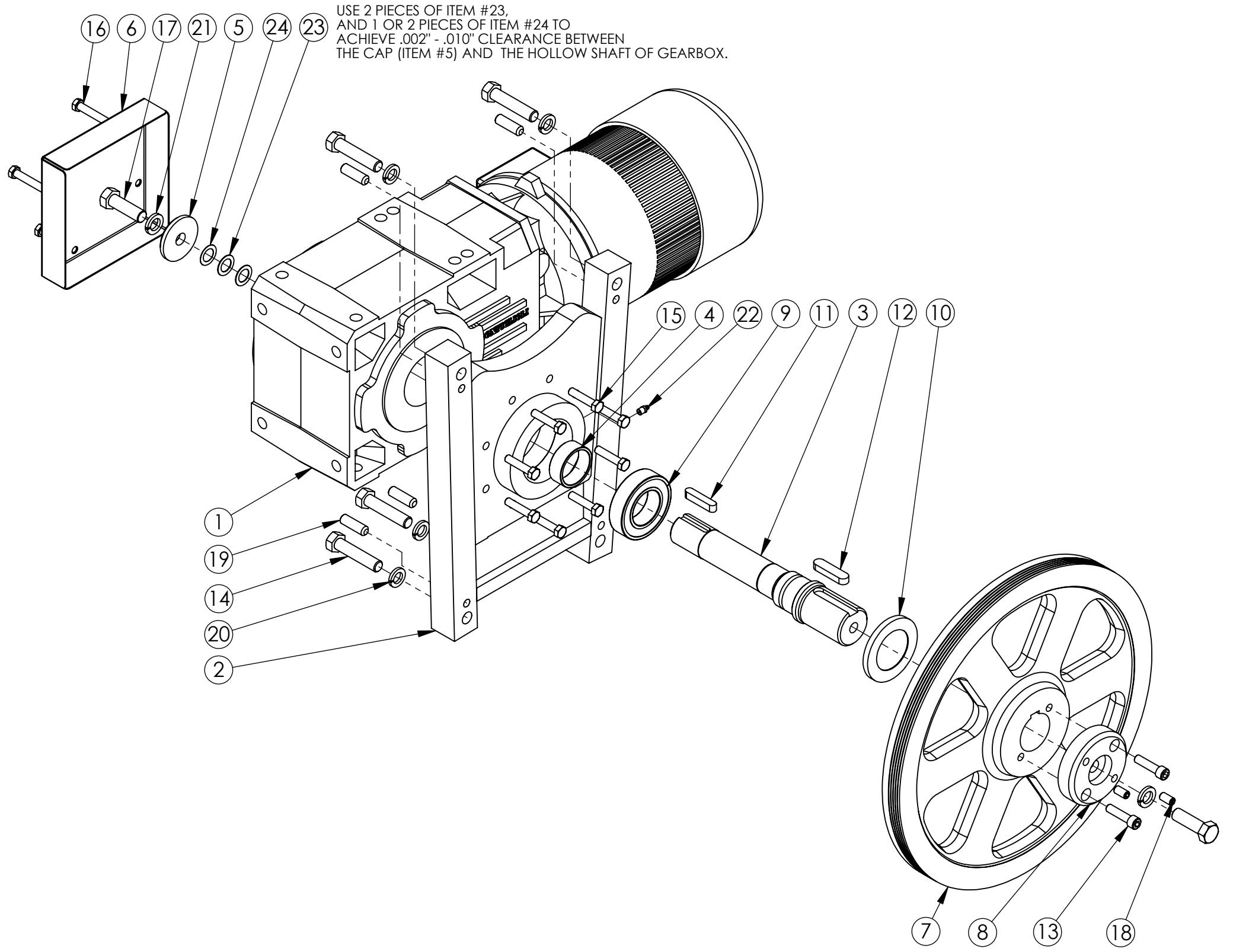
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REVISIONS			
REV	ECN NUMBER	DATE	BY
-	-	-	-
-	-	-	-

STANDARD TOLERANCES UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
LINEAR	ANGULAR
.X +/- .015 IN	.XX +/- 0.5 DEG
.XX +/- .010 IN	
.XXX +/- .005 IN	
= 125 MICROINCHES	

HYD - MECH		HYD - MECH GROUP LIMITED	
The Rock Solid Solution		WOODSTOCK, ONTARIO, CANADA N4S 8A4	
TITLE: ASSEMBLY, BLADE BRUSH			
MATERIAL CODE:	MATL:	SAW CUT LENGTH	DRWN BY:
ASSEMBLY			DATE:
THK/OD		OVERALL DIMENSIONS	PART WEIGHT
WDTH/ID	WALL/WT	LENGTH	9.766
DRAWING NUMBER:			COATING
H22-48-00			No Coating
SCALE	SHEET	REV	
1:2.75	1 OF 1	-	

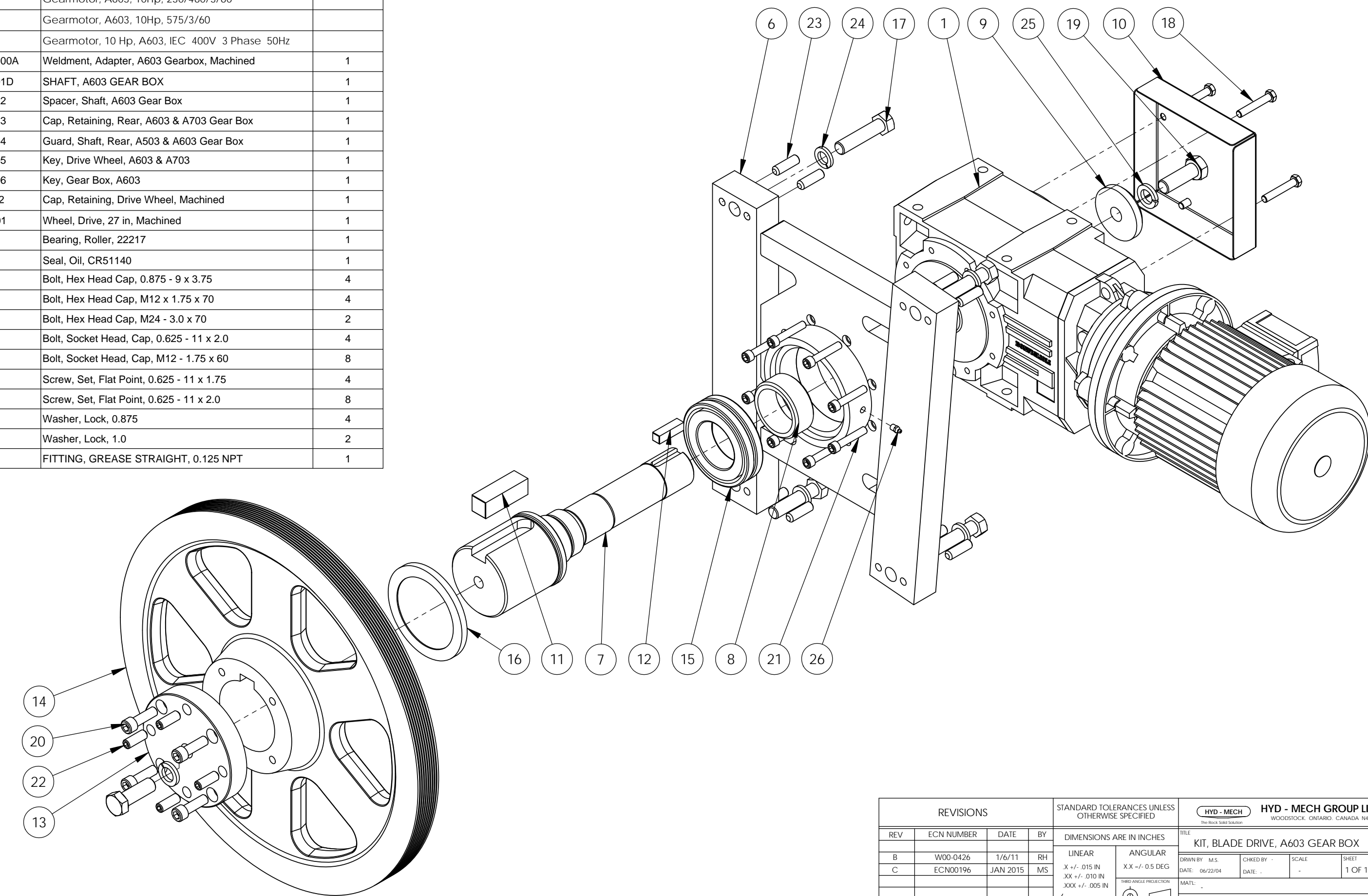
ITEM #	QTY.	PART #	DESCRIPTION
1	-	342556	Gearmotor, 10HP, A503, Compact, 208V
1	-	342494	Gearmotor, 10HP, A503, Compact, 230/460V
1	-	342501	Gearmotor, 10HP, A503, Compact, 575V
1	-	342495	Gearmotor, 10HP, A503, Compact, 400V
2	1	M-H18SV-491-00	Weldment, Adapter, A503 Gear Box, Machined
3	1	H18SV-49-01D	SHAFT, A503 GEAR BOX
4	1	H18SV-49-02	Spacer, Shaft, A503 Gear Box
5	1	H18SV-49-03	Cap, Retaining, A503 Gear Box
6	1	H18SV-49-04	Guard, Shaft, Rear, A503 & A603 Gear Box
7	1	M-W22-44-01	Wheel, Drive, 22 in, Machined
8	1	M-M20-3-13A	Cap, Retainer, Drive Wheel, Machined
9	1	340278	Bearing, Roller, 22212
10	1	362866	Seal, Oil, CR27790
11	1	395030	Key, Parallel, 0.5 x 0.5 x 2.50
12	1	395029	Key, Parallel, 18 x 11 x 70mm
13	2	390790	Bolt, Socket,Cap, 0.5-13 x 2.00
14	4	390345	Bolt, Hex Head Cap, 0.75 - 10 x 3.5
15	8	390432	Bolt, Hex Head Cap, M12 - 1.75 x 55
16	4	390437	Bolt, Hex Head Cap, M12 x 1.75 x 70
17	2	390433	Bolt, Hex Head Cap, M20 - 2.5 x 65
18	2	394170	Screw, Set, Flat Point, 0.5 - 13 x 1.0
19	4	394190	Screw, Set, Flat Point, 0.625 - 11 x 2.0
20	4	394785	Washer, Lock, 0.75
21	2	394839	Washer, Lock, M20
22	1	391175	FITTING, GREASE STRAIGHT, 0.125 NPT
23	2	394693	Washer, Flat, 0.875 x 1.375 x 18 Ga.
24	1	394537	Shim, For H18SV, 0.875 x 1.375 x 0.010



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REVISIONS				STANDARD TOLERANCES UNLESS OTHERWISE SPECIFIED		HYD - MECH GROUP LIMITED The Rock Solid Solution WOODSTOCK, ONTARIO, CANADA N4S 8A4	
REV	ECN NUMBER	DATE	BY	DIMENSIONS ARE IN INCHES		TITLE	
B-00	ECN00185	JAN 2015	MS	LINEAR	ANGULAR	KIT, BLADE DRIVE, A503 GEAR BOX	
				.X +/- .015 IN	X.X +/- 0.5 DEG	DRWN BY	M.S.
				.XX +/- .010 IN		DATE	07/26/06
				.XXX +/- .005 IN		CHKD BY	-
				✓ = 125 MICRONS		SCALE	-
						SHEET	1 OF 1
						REV	-
						DRAWING NUMBER: <b>H18SV-49B-00</b>	

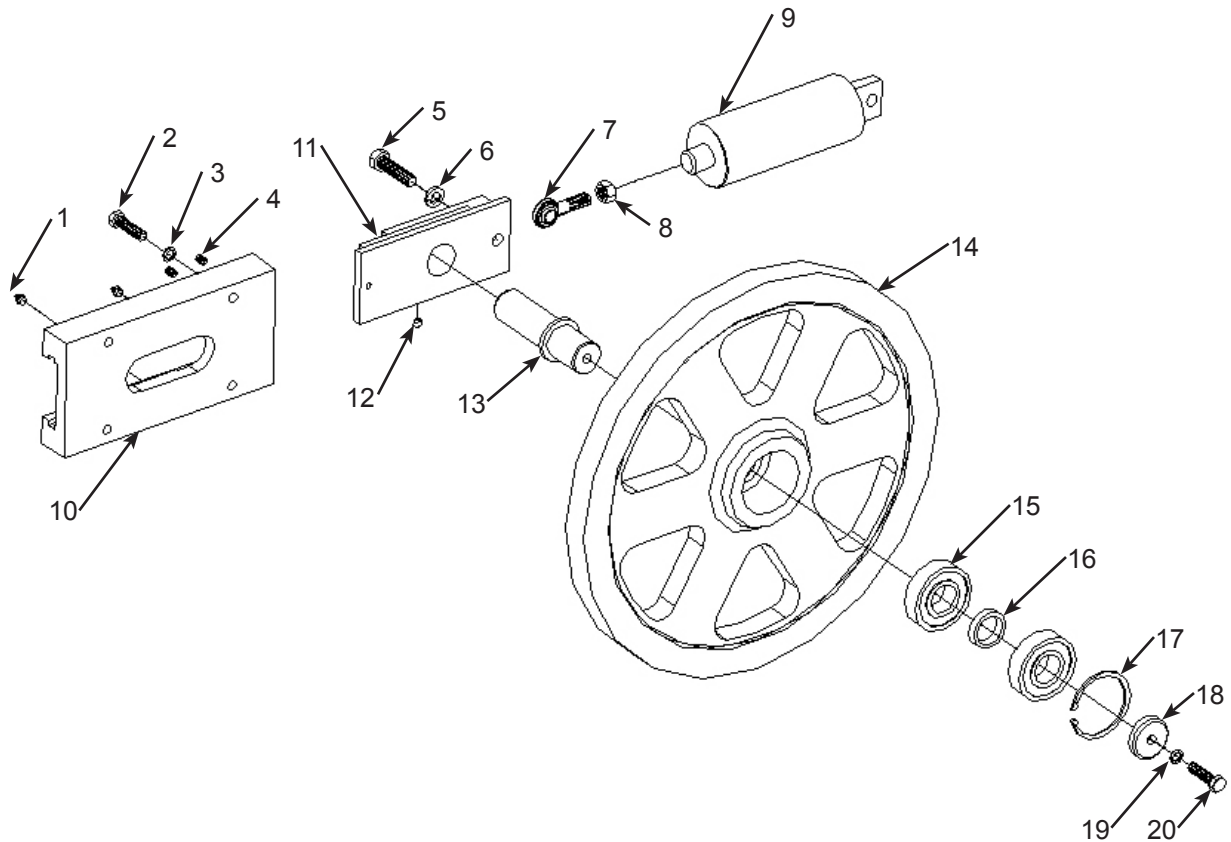
ITEM#	PART NUMBER	DESCRIPTION	QUANTITY
1	342555	Gearmotor, A603, 10Hp, 208/3/60	
1	345527	Gearmotor, A603, 10Hp, 230/460/3/60	
1	345525	Gearmotor, A603, 10Hp, 575/3/60	
1	342506	Gearmotor, 10 Hp, A603, IEC 400V 3 Phase 50Hz	
6	H22SV-491-00A	Weldment, Adapter, A603 Gearbox, Machined	1
7	H22SV-49-01D	SHAFT, A603 GEAR BOX	1
8	H22SV-49-02	Spacer, Shaft, A603 Gear Box	1
9	H22SV-49-03	Cap, Retaining, Rear, A603 & A703 Gear Box	1
10	H18SV-49-04	Guard, Shaft, Rear, A503 & A603 Gear Box	1
11	H22SV-49-05	Key, Drive Wheel, A603 & A703	1
12	H22SV-49-06	Key, Gear Box, A603	1
13	M-H22-44-02	Cap, Retaining, Drive Wheel, Machined	1
14	M-W27-44-01	Wheel, Drive, 27 in, Machined	1
15	340279	Bearing, Roller, 22217	1
16	362861	Seal, Oil, CR51140	1
17	390383	Bolt, Hex Head Cap, 0.875 - 9 x 3.75	4
18	390437	Bolt, Hex Head Cap, M12 x 1.75 x 70	4
19	390439	Bolt, Hex Head Cap, M24 - 3.0 x 70	2
20	390823	Bolt, Socket Head, Cap, 0.625 - 11 x 2.0	4
21	390438	Bolt, Socket Head, Cap, M12 - 1.75 x 60	8
22	394086	Screw, Set, Flat Point, 0.625 - 11 x 1.75	4
23	394190	Screw, Set, Flat Point, 0.625 - 11 x 2.0	8
24	394790	Washer, Lock, 0.875	4
25	394795	Washer, Lock, 1.0	2
26	391175	FITTING, GREASE STRAIGHT, 0.125 NPT	1



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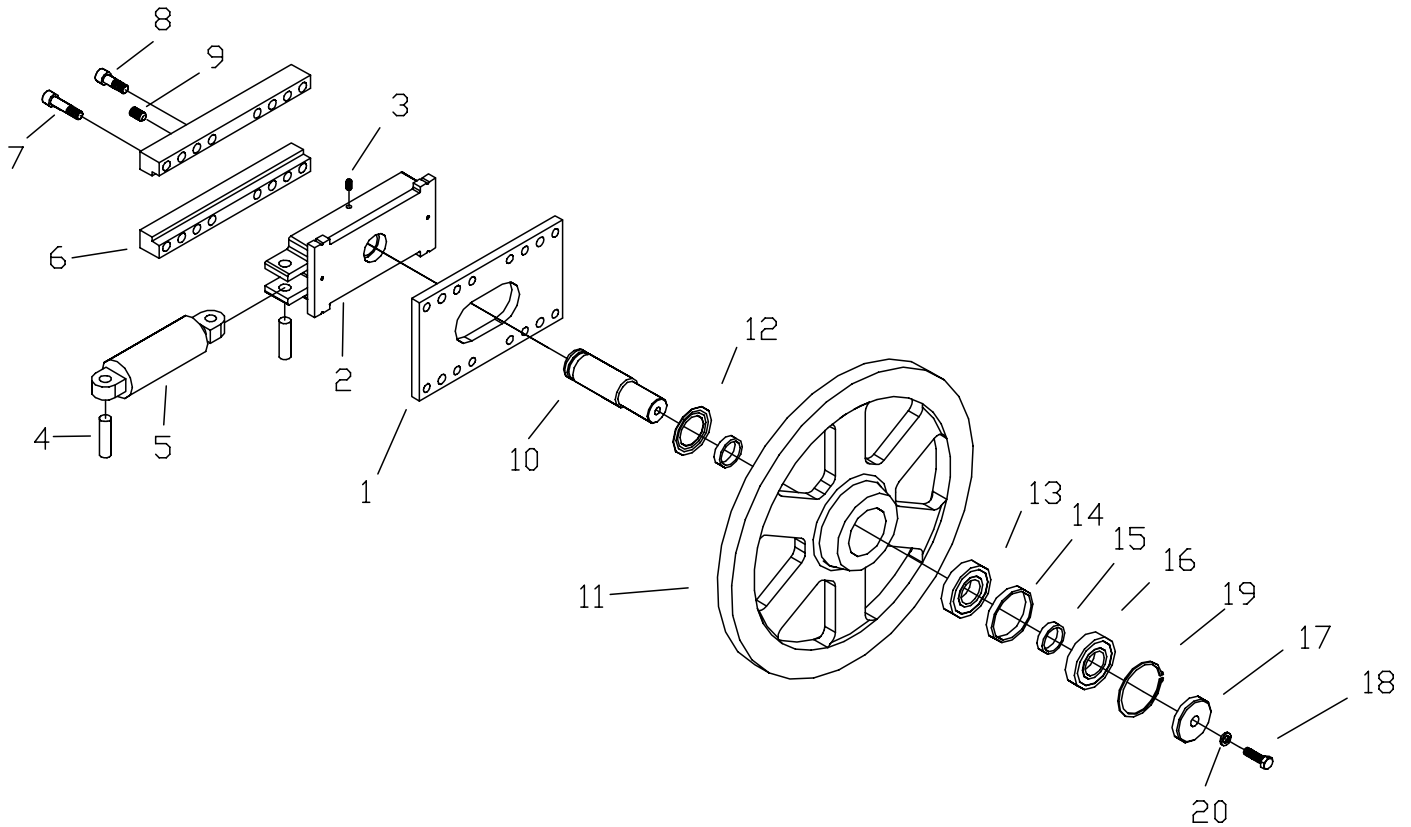
REVISIONS				STANDARD TOLERANCES UNLESS OTHERWISE SPECIFIED		HYD - MECH GROUP LIMITED WOODSTOCK, ONTARIO, CANADA N4S 8A4	
REV	ECN NUMBER	DATE	BY	DIMENSIONS ARE IN INCHES		TITLE	
B	W00-0426	1/6/11	RH	LINEAR	ANGULAR	KIT, BLADE DRIVE, A603 GEAR BOX	
C	ECN00196	JAN 2015	MS	X +/- .015 IN	X.X +/- 0.5 DEG	DRWN BY: M.S.	CHKD BY: -
				XX +/- .010 IN		DATE: 06/22/04	SCALE: -
				XXX +/- .005 IN		DATE: -	SHEET: 1 OF 1
				✓ = 125 MICRONS	THIRD ANGLE PROJECTION	MATL: -	REV: -
						DRAWING NUMBER: H22SV-49-00C	

# H18 SV IDLER WHEEL ASSEMBLY



ITEM	QTY	PART NUMBER	DESCRIPTION
1	3	391175	0.125 NPT GREASE FITTING
2	4	395247	0.50-13 x 2.25 HEX BOLT
3	4	394775	0.50 LOCK WASHER
4	8	394065	0.50-13 x 1.50 CUP POINT SSS
5	1	390250	0.625-11 x 1.50 HEX BOLT
6	1	394780	0.625 LOCK WASHER
7	1	341795	ROD END, 0.625-18
8	1	392930	0.625-18 JAM NUT
9	1	800004	BLADE TENSION CYLINDER (S25-C5-00)
10	1	M-V18-43-02C	SLIDER TRACK
11	1	M-V18-43-01F	IDLER WHEEL CARRIER
12	1	393995	0.375-16 x 0.50 CUP POINT SSS
13	1	H18-43-03A	IDLER WHEEL SHAFT
14	1	M-W22-45-01A	IDLER WHEEL
15	2	340131	BALL BEARING, 6310 2RS
16	1	W22-45-02	BEARING SPACER
17	1	393650	INTERNAL RETAINING RING 110mm
18	1	M16-25-01	CAP
19	1	394775	0.50 LOCK WASHER
20	1	390180	0.50-13 x 1.50 HEX BOLT

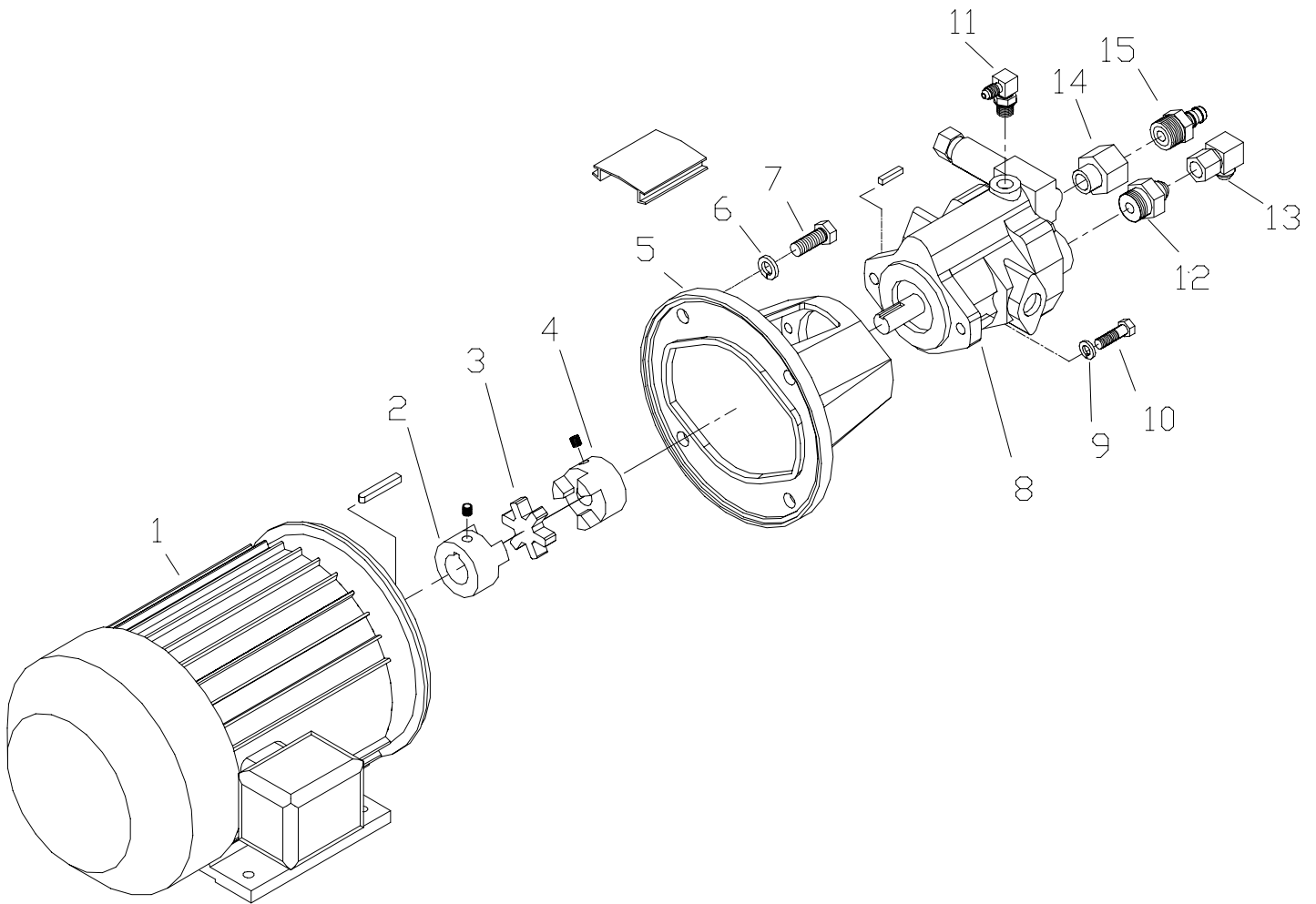
## H22 SV IDLER WHEEL ASSEMBLY



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	M-H22-43-01B	BLADE TENSION BACK PLATE
2	1	M-H22-431-00	SLIDER WELDMENT
3	1	395299	0.50-13 x 1.00 CUP POINT SSS
4	2	H22-6-01	CYLINDER MOUNTING PIN
5	1	H22-C5-00A	BLADE TENSION CYLINDER
6	2	H22-43-02	BLADE TENSION TRACK
7	4	395298	0.875-9 x 3.25 SHCS
8	8	390840	0.875-9 x 2.5 SHCS
9	4	394205	0.875-9 x 1.5 FLAT POINT SSS
10	1	H22-43-03A	BLADE TENSION SHAFT
11	1	M-W27-45-01	IDLER WHEEL
12	1	M-W32-45-02 / 362865	SEAL ADAPTER / OIL SEAL, CR29968
13	1	340160	BEARING, NU313
14	1	W27-45-03	OD BEARING SPACER
15	2	W27-45-02	BEARING SPACER
16	1	340135	BEARING, 6313 2RS
17	1	H22-45-05	RETAINING CAP
18	1	390335	0.75-10 x 2.50 HEX BOLT
19	1	393640	INTERNAL RETAINING RING, 5.50"
20	1	394785	0.75 LOCK WASHER

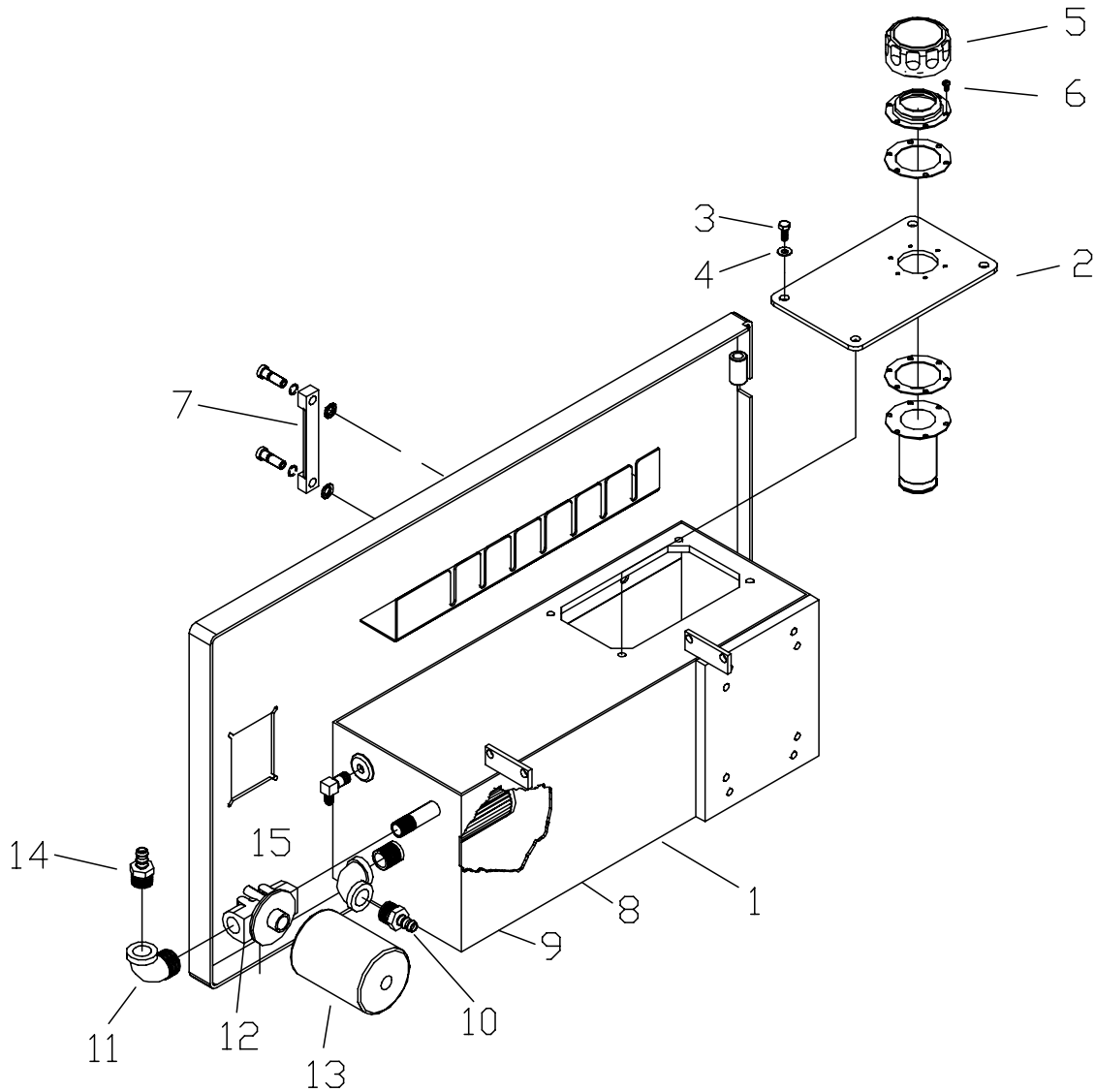


# H18/22 SV HYDRAULIC PUMP ASSEMBLY



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	182TC	3HP, 1800RPM, SPECIFY VOLTAGE
2	1	340870	MECHANICAL COUPLING, 1 1/8" HUB, L095
3	1	340925	MECHANICAL COUPLING, INSERT, N095
4	1	340880	MECHANICAL COUPLING, 3/4" HUB, L095
5	1	340290	BELL HOUSING
6	4	394775	0.50 LOCK WASHER
7	4	390180	0.50-13 x 1.50 HEX BOLT
8	1	362745	HYDRAULIC PUMP, PVQ-13
9	2	394770	0.375 LOCK WASHER
10	2	390125	0.375-16 x 0.75 HEX BOLT
11	1	360465	90 DEG FITTING, 2503-6-4
12	1	360320	STRAIGHT ADAPTER, 0503-12-8
13	1	360305	90 DEG SWIVEL FITTING, 3903-8-8
14	1	360315	STRAIGHT ADAPTER, 0502-12-12
15	1	360220	FITTING, BRASS HOSE BARB, 125-HBL-12-12

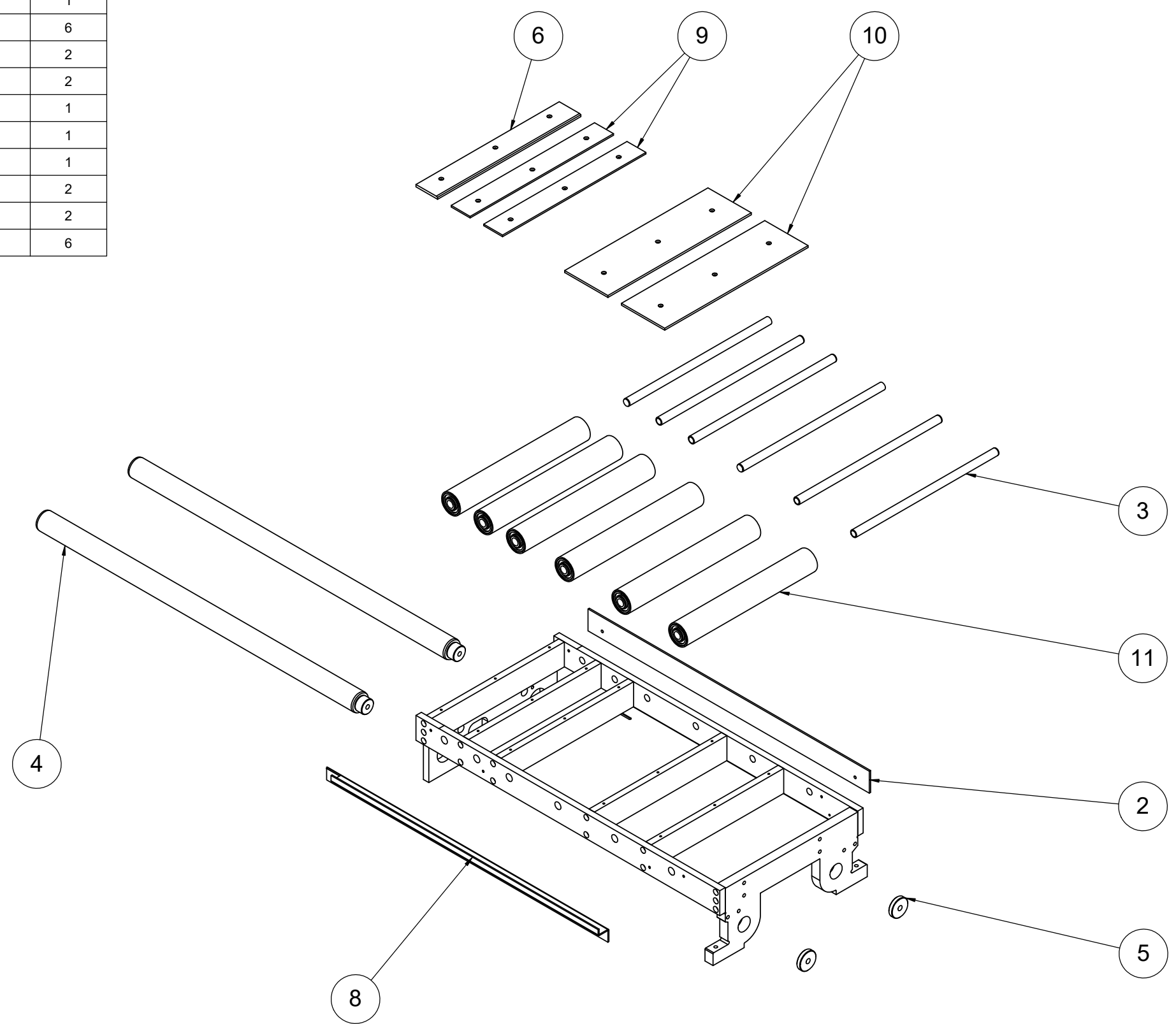
# H18/22 SV HYDRAULIC TANK ASSEMBLY



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	H14-611-00B	POWER PACK DOOR WELDMENT
2	2	M-S22A-61-01	OIL TANK LID
3	4	390040	0.25-20 x 0.75 HEX BOLT
4	4	394760	0.25 LOCK WASHER
5	1	363085	FILLER & BREATHER
6	6	393850	10-24 x 0.50 TRUSS HEAD SCREW
7	1	363100	LEVEL & TEMPERATURE GAUGE
8	1	363110	SUCTION STRAINER
9	1	360410	FITTING, BRASS HOSE BARB, 0188-12-12
10	1	360090	90 DEG FITTING, 2202-1216
11	1	363095	FILTER HEAD
12	1	363105	RETURN FILTER ELEMENT
13	3	360095	90 DEG FITTING, 2102-1212
14	1	360415	FITTING, BRASS HOSE BARB, 31082B-12-8
15	1	360535	ELBOW ADAPTER, 2103-4-4

ITEM#	PART NUMBER	DESCRIPTION	QTY.
2	H18SV-2-02	PIN HOLDER	1
3	H18SV-2-03A	ROLLER SHAFT	6
4	H18SV-2-04A	SHUTTLE SHAFT	2
5	H18SV-2-05	SHUTTLE SHAFT COOKIE	2
6	H18SV-2-10	INFEED TABLE PLATE	1
7	H18SV-2-11C	CONVEYOR TRAY	1
8	H18SV-2-12A	DRIVE SIDE PIN HOLDER	1
9	H18SV-2-01A	COVER PLATE	2
10	H18SV-2-13	FILLER PLATE	2
11	H18SV-22-00B	ROLLER ASSEMBLY	6

NOTE:  
 LENGTH ENCODER ASSEMBLY  
 H18-724-00 - BAR RACK WELDMENT  
 808055 - SPUR GEAR  
 H14-72-02 - ENCODER MOUNTING BRACKET COVER  
 H14-721A-00A - ENCODER MOUNTING BRACKET WELDMENT  
 H14-72-03 - ENCODER SWING ARM  
 340215 - NEEDLE THRUST BEARING (NTA-815)  
 342230 - THRUST WASHER (TRA-815)  
 342065 - EXTENSION SPRING



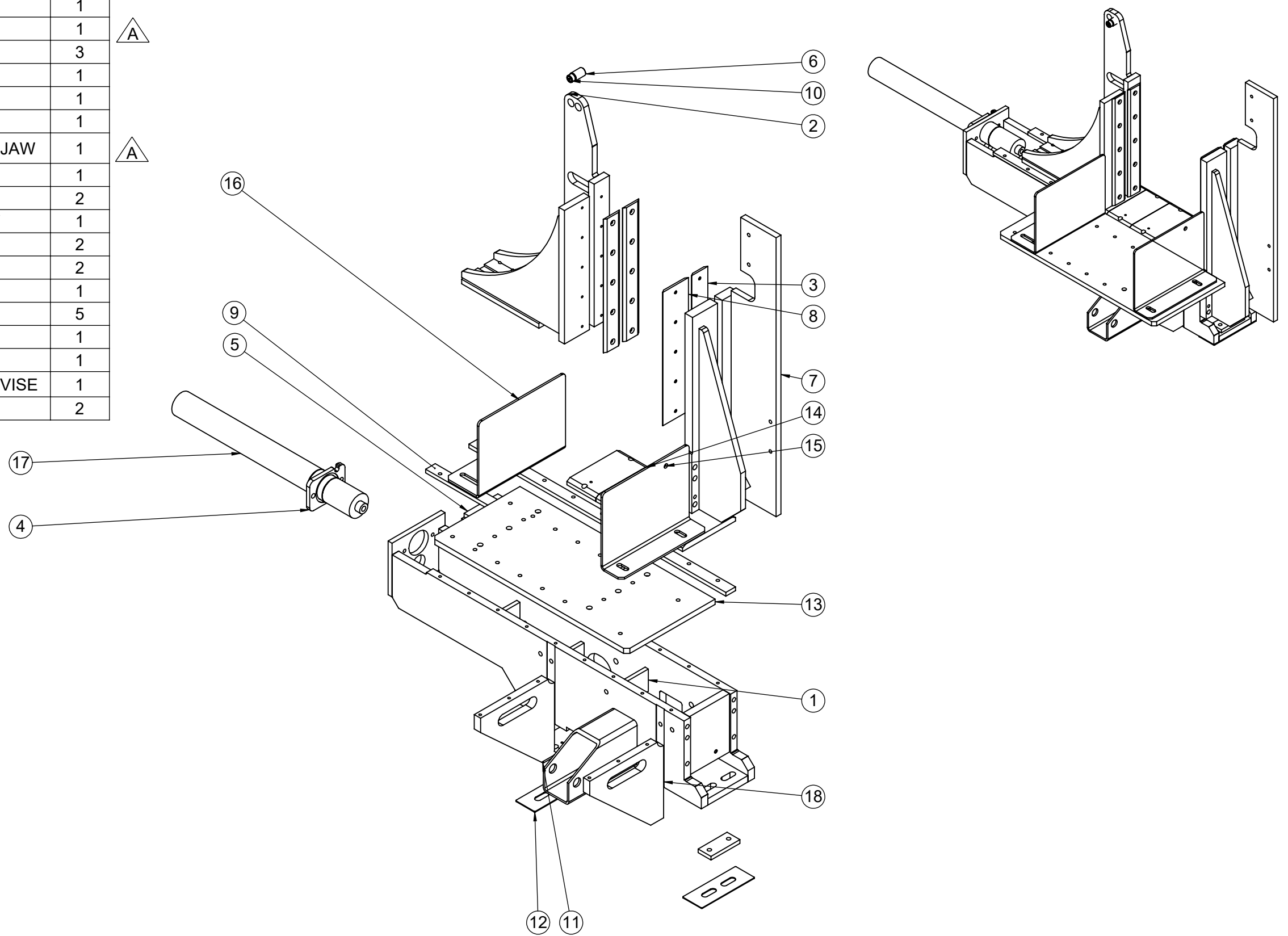
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REVISIONS			
REV	ECN NUMBER	DATE	BY
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 THIRD ANGLE PROJECTION

<b>HYDMECH GROUP LIMITED</b> WOODSTOCK, ONTARIO, CANADA N4S 0A9					
TITLE: ASSEMBLY, CONVEYOR					
MODEL: H18SV	COMPONENT GROUP: 20 - Shuttle Conveyor System	DRWN BY:	CHKD BY:	SCALE: 1:16	SHEET: 1 OF 1
MATERIAL CODE:	MATL:	PART WEIGHT:		COATING: No Coating	
DRAWING NUMBER: H18SV-2-00A				REV	

ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	H22SV-G511-00B	FRONT VISE FRAME	1
2	60007566	FRONT VISE MOVEABLE JAW	1
3	H18SV-5-02	WEARSTRIP	3
4	H22-5-05B	PLATE, MOUNTING, CYLINDER	1
5	H18SV-5-04A	MOVEABLE JAW SLIDER	1
6	H18SV-514-01A	ROLLER ADJUSTING ROD	1
7	60007571	WELDMENT, FRONT VISE DATUM JAW	1
8	H18SV-5-03	WEARSTRIP, OUTFEED SIDE	1
9	H22SV-51-01	FRONT VISE WAY	2
10	340750	CAM FOLLOWER, 0.875, CS-28-LW	1
11	H18SV-51-02	WASHER, VISE	2
12	H22SV-5-08	SPACER	2
13	H18SV-2-07C	OUTFEED PLATE	1
14	H18SV-2-06	TABLE INSERT	5
15	H18SV-2-08A	FIXED FENCE	1
16	H18SV-2-09	ADJUSTABLE FENCE	1
17	H22SV-C31-00C	ASSEMBLY, CYLINDER, SHUTTLE VISE	1
18	60006761	NON ROLLER TABLE FRAME	2



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REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN01836	APR 2020	SAJ
A	ECN-01982	08JAN2021	DG

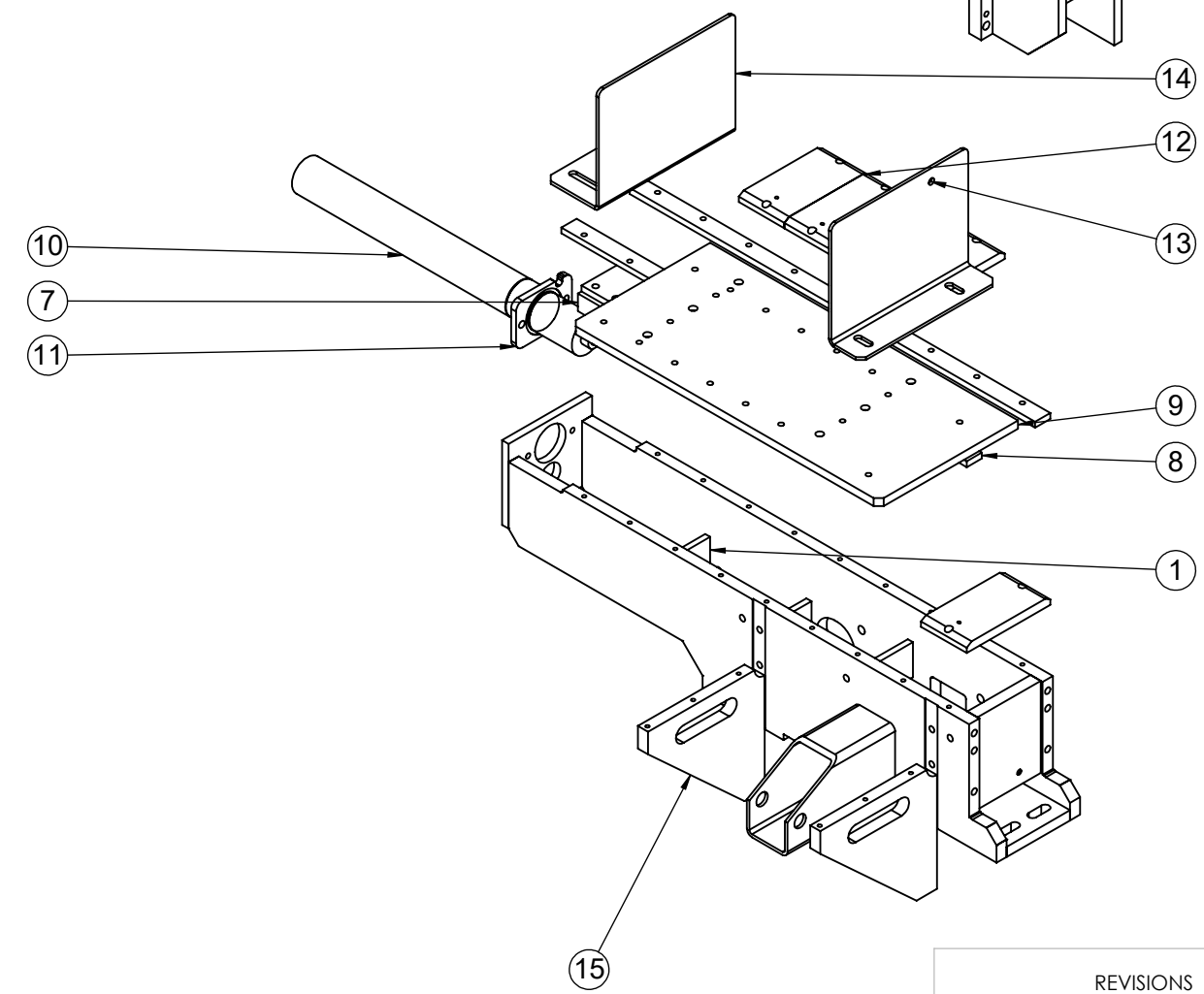
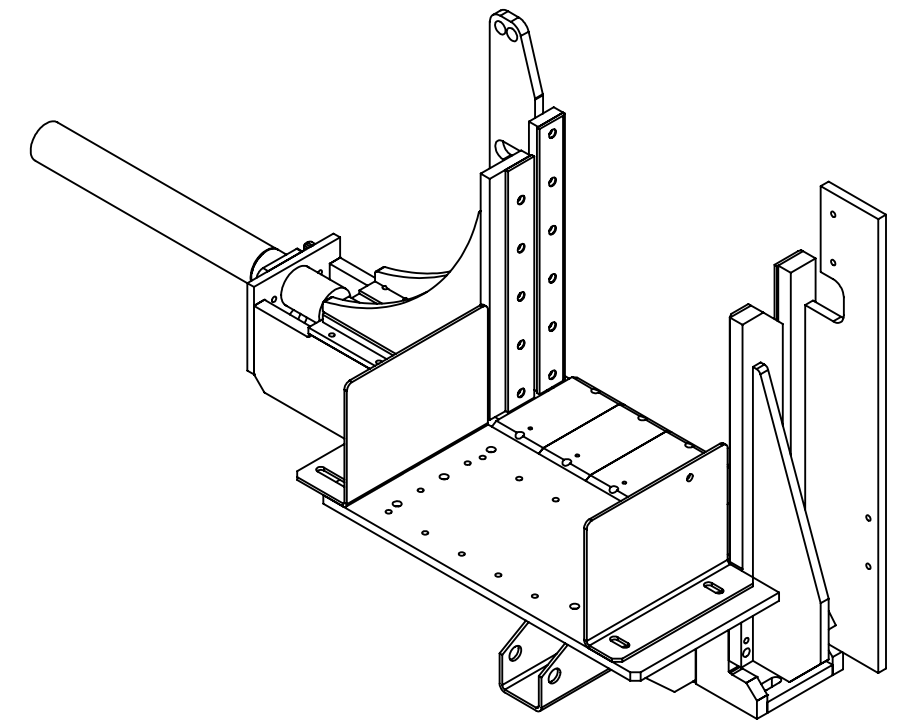
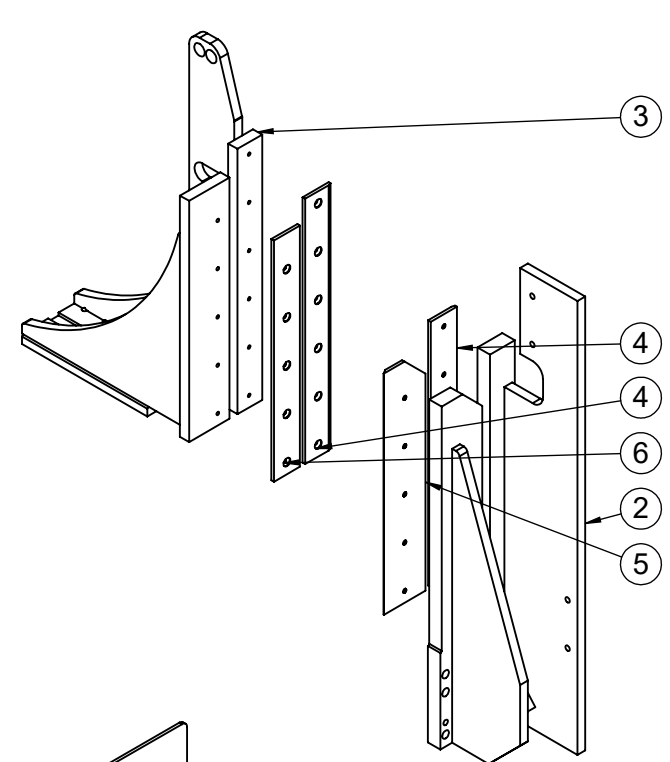
STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION

<b>HYDMECH</b>			
TITLE: VISE ASSEMBLY			
MATERIAL CODE:	MATL:	DRWN BY: SJ DATE: Jan 08, 2021	CHKD BY: SJ DATE: 2021-02-05
MODEL: H18SV	COMPONENT GROUP: 50 - Vise and Bundling	PART WEIGHT: lbs	COATING:
DRAWING NUMBER: <b>H18SV-51-00</b>			REV A
SCALE: 1:24	SHEET: 1 OF 1		

ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	H22SV-G511-00B	FRONT VISE FRAME	1
2	60007578	FRONT VISE DATUM	1
3	60007575	FRONT VISE MOVEABLE JAW	1
4	H22SV-5-01	WEAR STRIP	2
5	H22SV-G5-04	WEAR STRIP	1
6	H22SV-G5-06	WEAR STRIP	1
7	H18SV-5-04A	MOVEABLE JAW SLIDER	1
8	H22SV-51-01	FRONT VISE WAY	2
9	H18SV-2-07C	OUTFEED PLATE	1
10	H22SV-C31-00C	ASSEMBLY, CYLINDER, SHUTTLE VISE	1
11	H22-5-05B	PLATE, MOUNTING, CYLINDER	1
12	H18SV-2-06	TABLE INSERT	5
13	H18SV-2-08A	FIXED FENCE	1
14	H18SV-2-09	ADJUSTABLE FENCE	1
15	60006761	NON ROLLER TABLE FRAME	2



15

REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN01836	APR 2020	SAJ
A	ECN-01982	08JAN2021	DG

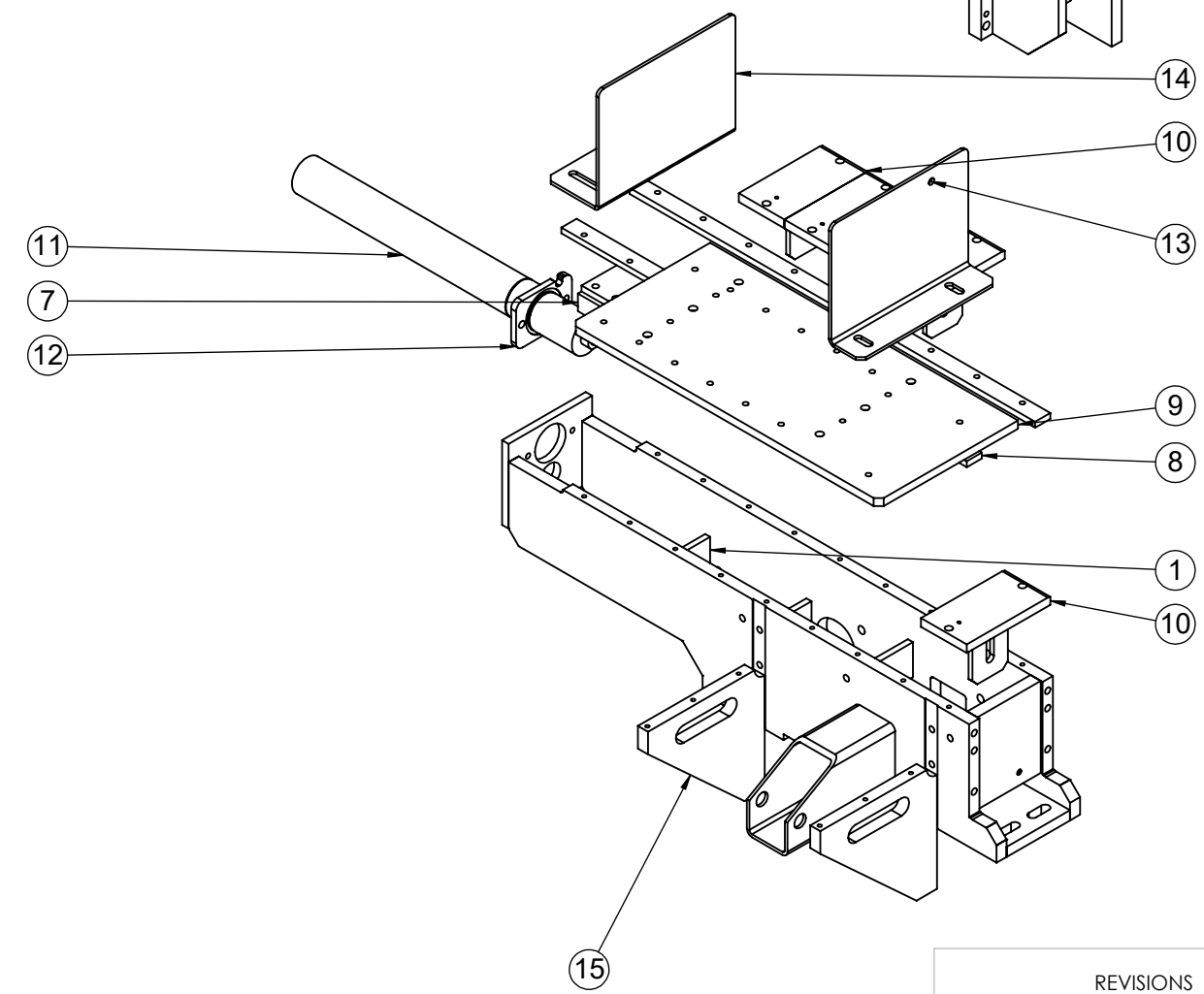
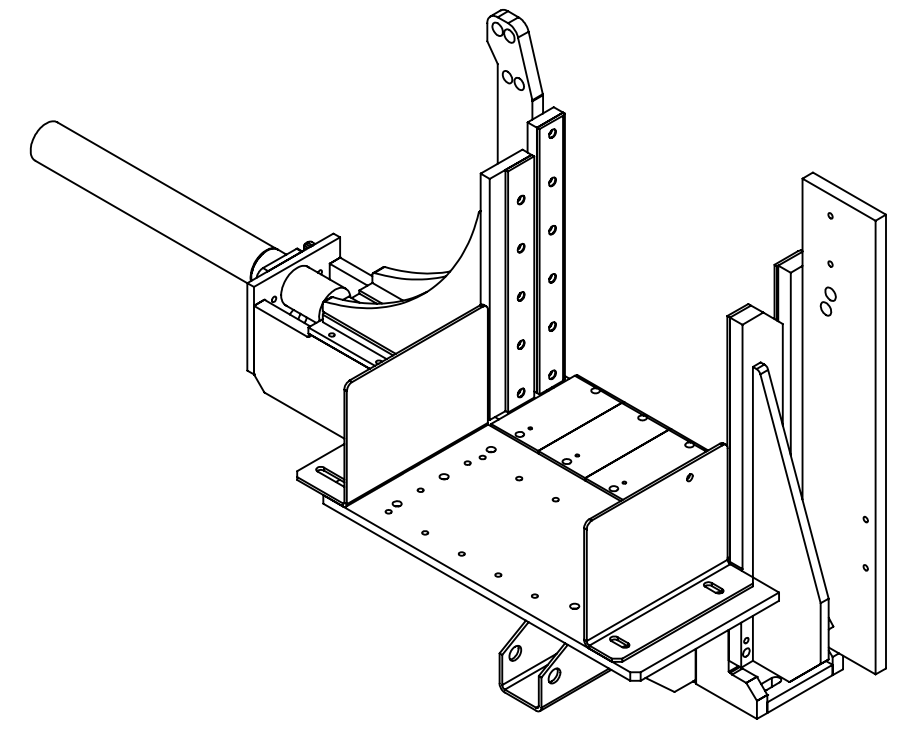
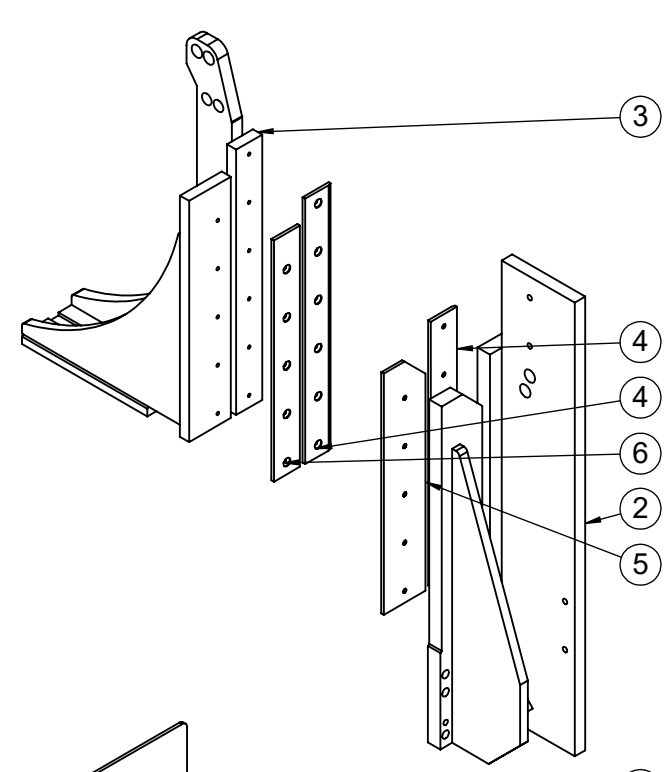
STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 THIRD ANGLE PROJECTION



TITLE: VISE ASSY: STRAIGHT HEAD			
MATERIAL CODE:	MATL:	DRWN BY: SJ	CHKD BY: SJ
		DATE: Jan 08, 2021	DATE: 2021-02-05
		SCALE: 1:13	SHEET: 1 OF 1
MODEL: H22SV	COMPONENT GROUP: 50 - Vise and Bundling	PART WEIGHT: 810.18 lbs	COATING: No Coating
DRAWING NUMBER: H22SV-51-00			REV: A

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ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	H22SV-G511-00B	FRONT VISE FRAME	1
2	H22SV-G512-00A	FRONT VISE DATUM	1
3	H22SV-G513A-00	FRONT VISE MOVEABLE JAW	1
4	H22SV-5-01	Wear Strip	2
5	H22SV-G5-04	WEAR STRIP	1
6	H22SV-G5-06	WEAR STRIP	1
7	H18SV-5-04A	MOVEABLE JAW SLIDER	1
8	H22SV-51-01	FRONT VISE WAY	2
9	H18SV-2-07C	OUTFEED PLATE	1
10	H22SV-G22-00	TABLE INSERT, CANTED HEAD	5
11	H22SV-C31-00C	Assembly, Cylinder, Shuttle Vise	1
12	H22-5-05B	PLATE, MOUNTING, CYLINDER	1
13	H18SV-2-08A	FIXED FENCE	1
14	H18SV-2-09	ADJUSTABLE FENCE	1
15	60006761	NON ROLLER TABLE FRAME	2



REVISIONS			
REV	ECN NUMBER	DATE	BY
-	ECN01836	APR 2020	SAJ
-	-	-	-

STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED

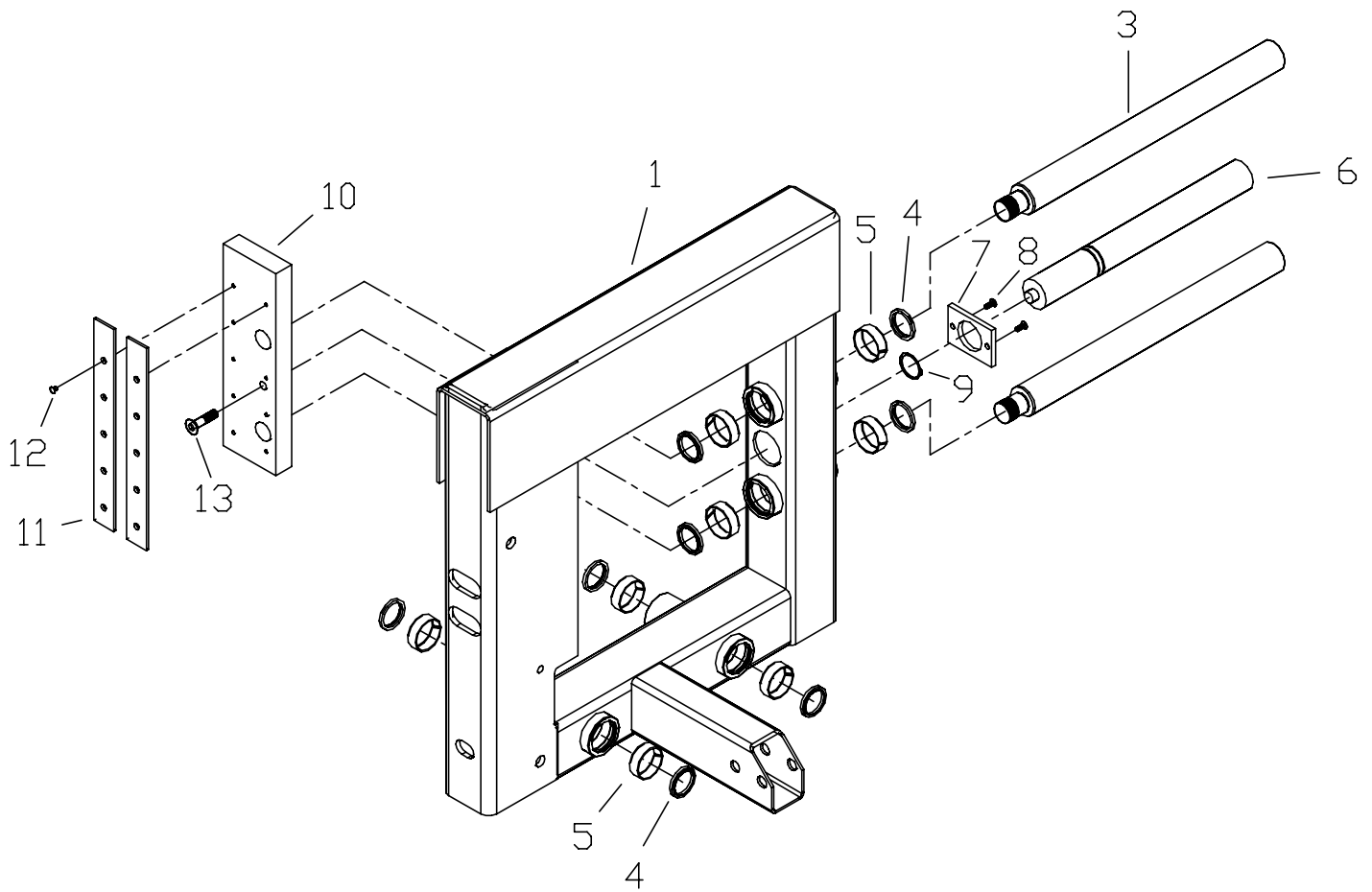
DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION

<b>HYDMECH</b>			
TITLE: VISE ASSY: CANTED HEAD			
MATERIAL CODE:	MATL:	DRWN BY: SJ DATE: May 06, 2020	CHKD BY: SJ DATE: 2020-05-11
MODEL: H22SV	COMPONENT GROUP: 50 - Vise and Bundling	PART WEIGHT: 851.80 lbs	COATING: No Coating
DRAWING NUMBER: <b>H22SV-G51-00</b>			SCALE: 1:13
			SHEET 1 OF 1

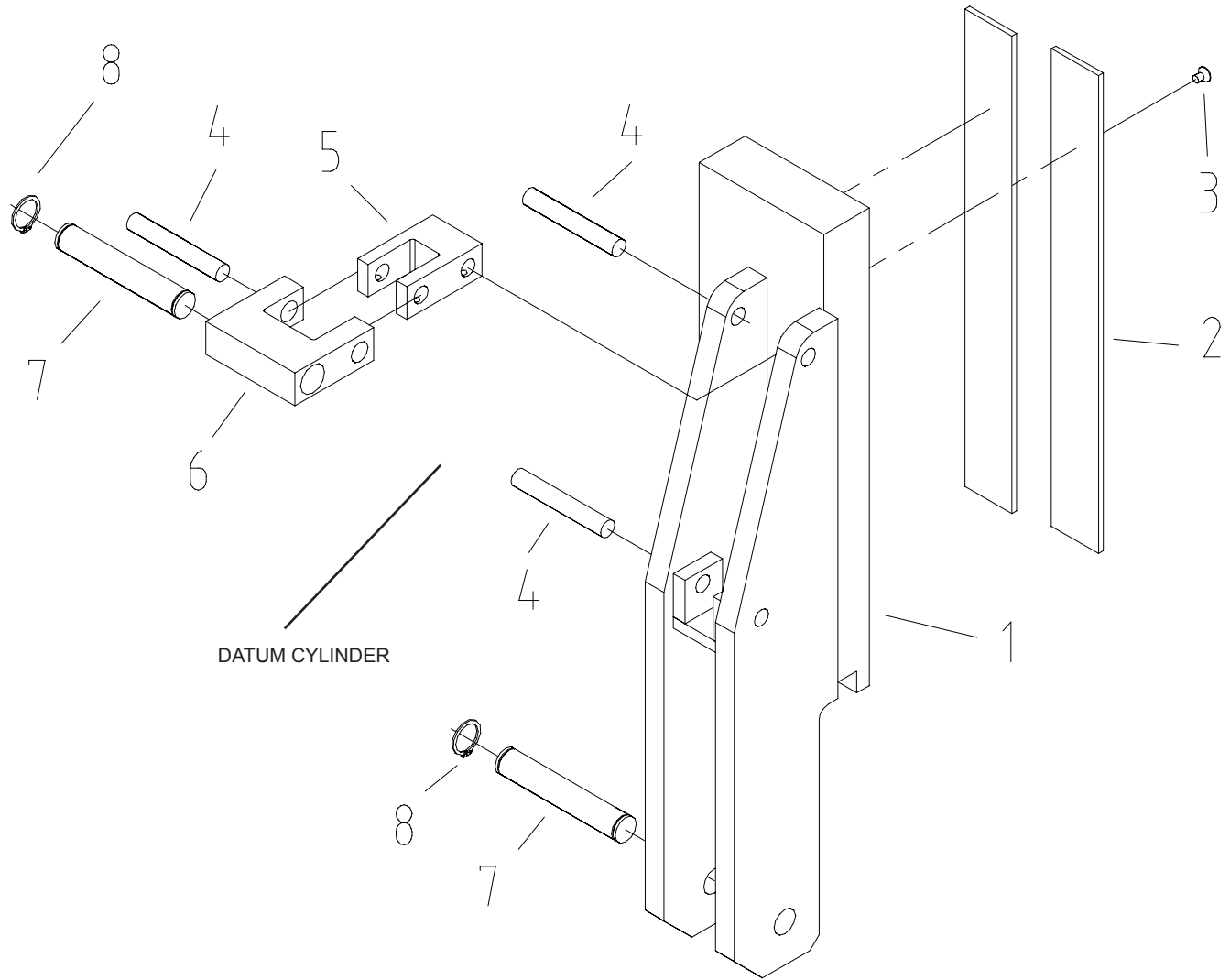
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# H18/22 SV SHUTTLE VISE ASSEMBLY



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	M-H22SV-521-00	SHUTTLE VISE FRAME WELDMENT
3	2	H22-5-03A	MOVABLE JAW SHAFT
4	4	363325	3" SHAFT WIPER
5	4	342170	WEAR RING STRIP, 9.678 X 1 X 0.125
6	1	H22SV-C31-00C	VISE CYLINDER
7	1	H22-5-05D	CYLINDER MOUNTING PLATE
8	2	390570	0.50-13 x 1.25 FLAT SHCS
9	1	393575	EXTERNAL RETAINING RING, 3.0"
10	1	M-H22SV-5-05D	SHUTTLE MOVABLE JAW PLATE
11	2	H22SV-5-01	WEAR STRIP
12	12	390645	0.3125-18 x 0.75 FLAT SHCS
13	1	390615	0.75-10 x 2.0 FLAT SHCS

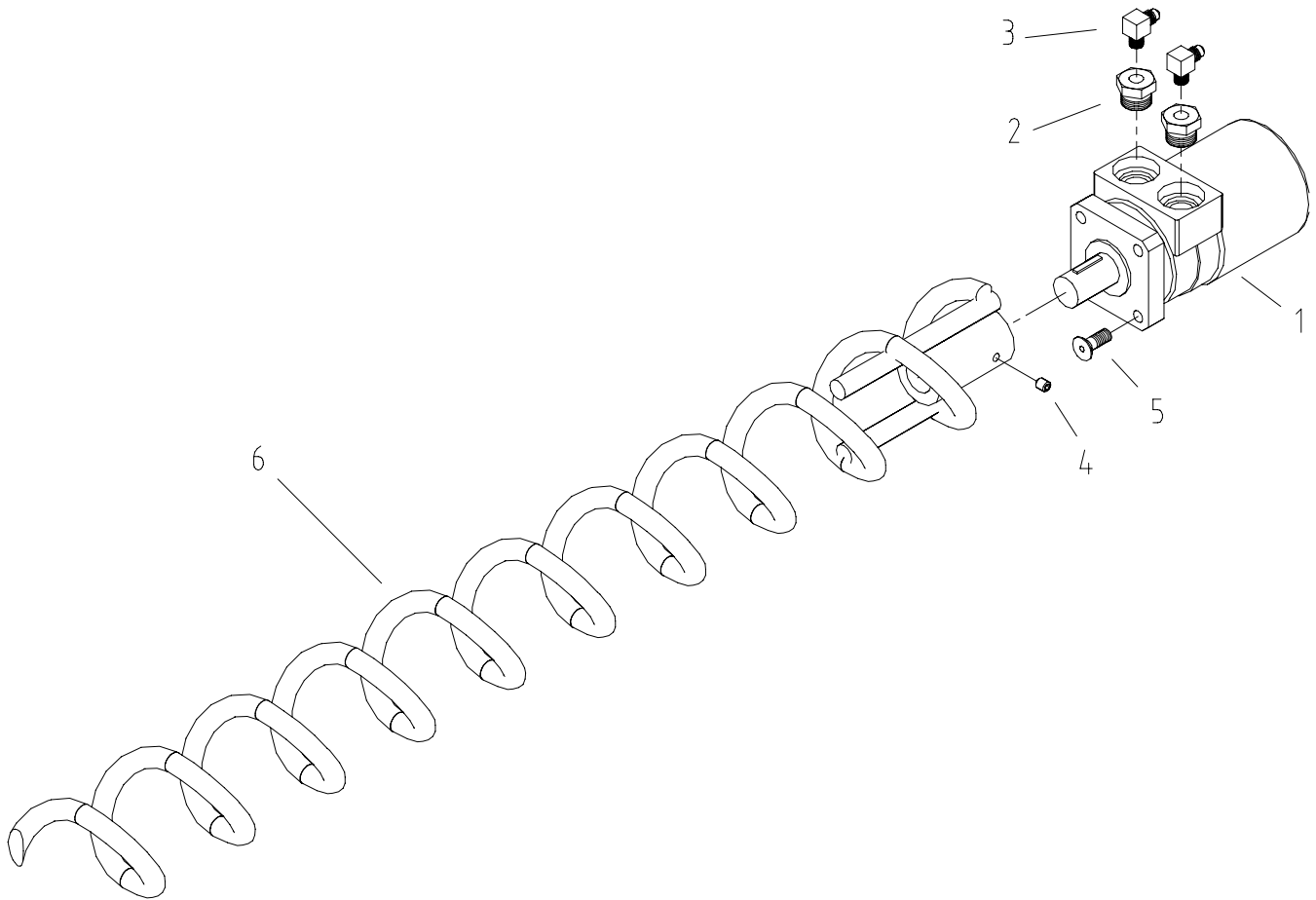
# H18/22 SV SHUTTLE VISE DATUM LINE JAW ASSEMBLY



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	M-H22SV-5221-00	DATUM JAW WELDMENT
2	2	H22SV-5-01	WEAR STRIP
3	12	390645	0.3125-18 x 0.75 FLAT SHCS
4	3	H14-5-10	JAW MOUNTING PIN, SMALLER
5	1	M-H14-5-12	DATUM JAW LINK, LARGE
6	1	M-H14-5-11	DATUM JAW LINK, SMALL
7	2	H14-5-15	JAW MOUNTING PIN, LARGE
8	4	393540	EXTERNAL RETAINING RING, 1.125"
9	1	H14-C22-00	DATUM CYLINDER

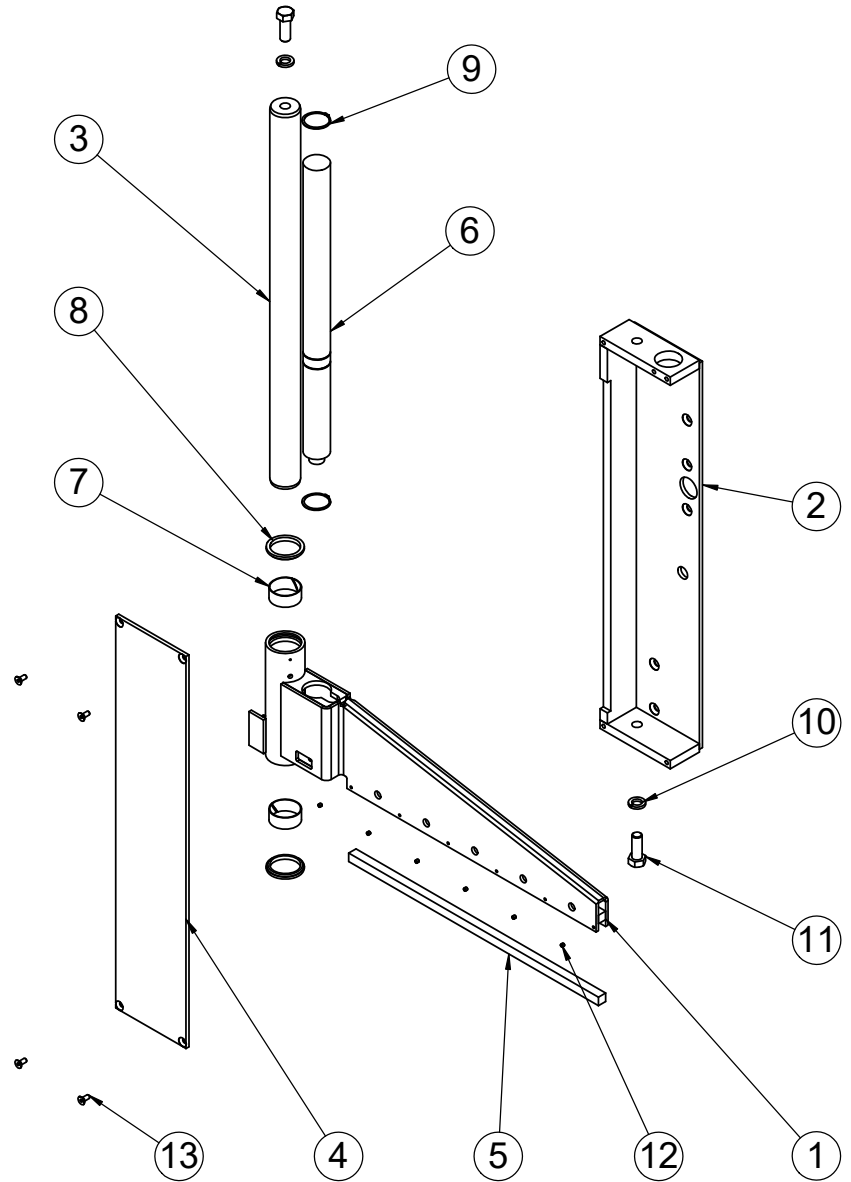


# H18/22 SV CHIP AUGER ASSEMBLY



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	362690	HYDRAULIC MOTOR, MG12
2	2	360361	STARIGHT ADAPTER, 0503-10-4
3	2	360535	90 DEG ELBOW ADAPTER, 2103-4-4
4	1	393965	0.312-18 x 0.25 CUP POINT SSS
5	4	390630	0.375-16 x 1.00 FLAT SHCS
6	1	H18-P12-00A	AUGER WELDMENT

ITEM#	PART NUMBER	DESCRIPTION	QTY.
1	H22SV-G542-00	FRONT BUNDLING ARM	1
2	H22SV-G543-00A	WELDMENT, MTG BKT, BUNDLING	1
3	H22SV-G54-01A	BUNDLING SHAFT	1
4	H22SV-G54-02	BUNDLING COVER PLATE	1
5	H22SV-G54-03	WEARSTRIP	1
6	H22SV-C23A-00A	H22SV BUNDLING CYL	1
7	342165	STRIP WEAR RING 2 1/4 IN. SHAFT 7.260 X 1 X 0.125	2
8	363320	WIPER 2 1/4 IN., URETHANE SEAL, BLACK WITH GROOVE	2
9	393553	RING RETAINING EXTERNAL 2	2
10	394785	WASHER, LOCK, 0.7500	2
11	390325	Bolt, Hex Head, Cap, 0.75 - 10 x 2.0	2
12	393950	Screw, Set, Cup Point, 0.25-20 x 0.25	6
13	390645	Bolt, Socket Head, Flat, 0.3125 - 18 x 0.75	4



REVISIONS			
REV	ECN NUMBER	DATE	BY
-	-	-	-
-	-	-	-

STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION

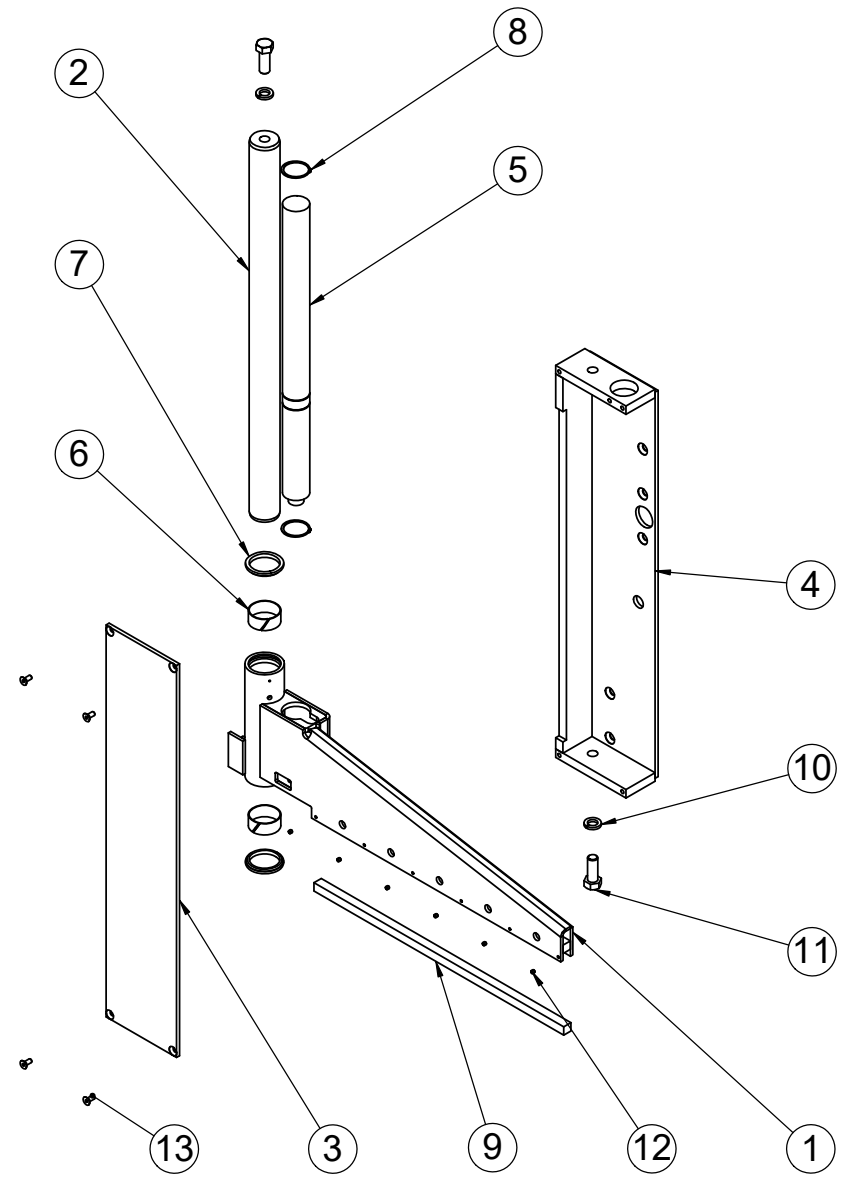
**HYDMECH GROUP LIMITED**  
WOODSTOCK, ONTARIO, CANADA N4S 0A9

TITLE: **FRONT BUNDLING ASEMBLY**

MODEL: H22SV	COMPONENT GROUP: 50 - Vise and Bundling	DRWN BY: MS	CHKD BY:	SCALE: 1:14	SHEET: 1 OF 1
MATERIAL CODE:	MATL:	DATE: Feb 22, 2017	DATE:	COATING: No Coating	
DRAWING NUMBER: <b>H22SV-G53-00</b>			REV		

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ITEM#	PART NUMBER	DESCRIPTION	QUANTITY
1	H22SV-G541-00	SHUTTLE BUNDLING ARM	1
2	H22SV-G54-01A	BUNDLING SHAFT	1
3	H22SV-G54-02	BUNDLING COVER PLATE	1
4	H22SV-G543-00A	WELDMENT, MTG BKT, BUNDLING	1
5	H22SV-C23A-00A	H22SV BUNDLING CYL	1
6	342165	STRIP WEAR RING 2 1/4 IN. SHAFT 7.260 X 1 X 0.125	2
7	363320	WIPER 2 1/4 IN., URETHANE SEAL, BLACK WITH GROOVE	2
8	393553	RING RETAINING EXTERNAL 2	2
9	H22SV-G54-03	WEARSTRIP	1
10	394785	WASHER, LOCK, 0.7500	2
11	390325	Bolt, Hex Head, Cap, 0.75 - 10 x 2.0	2
12	393950	Screw, Set, Cup Point, 0.25-20 x 0.25	6
13	390645	Bolt, Socket Head, Flat, 0.3125 - 18 x 0.75	4

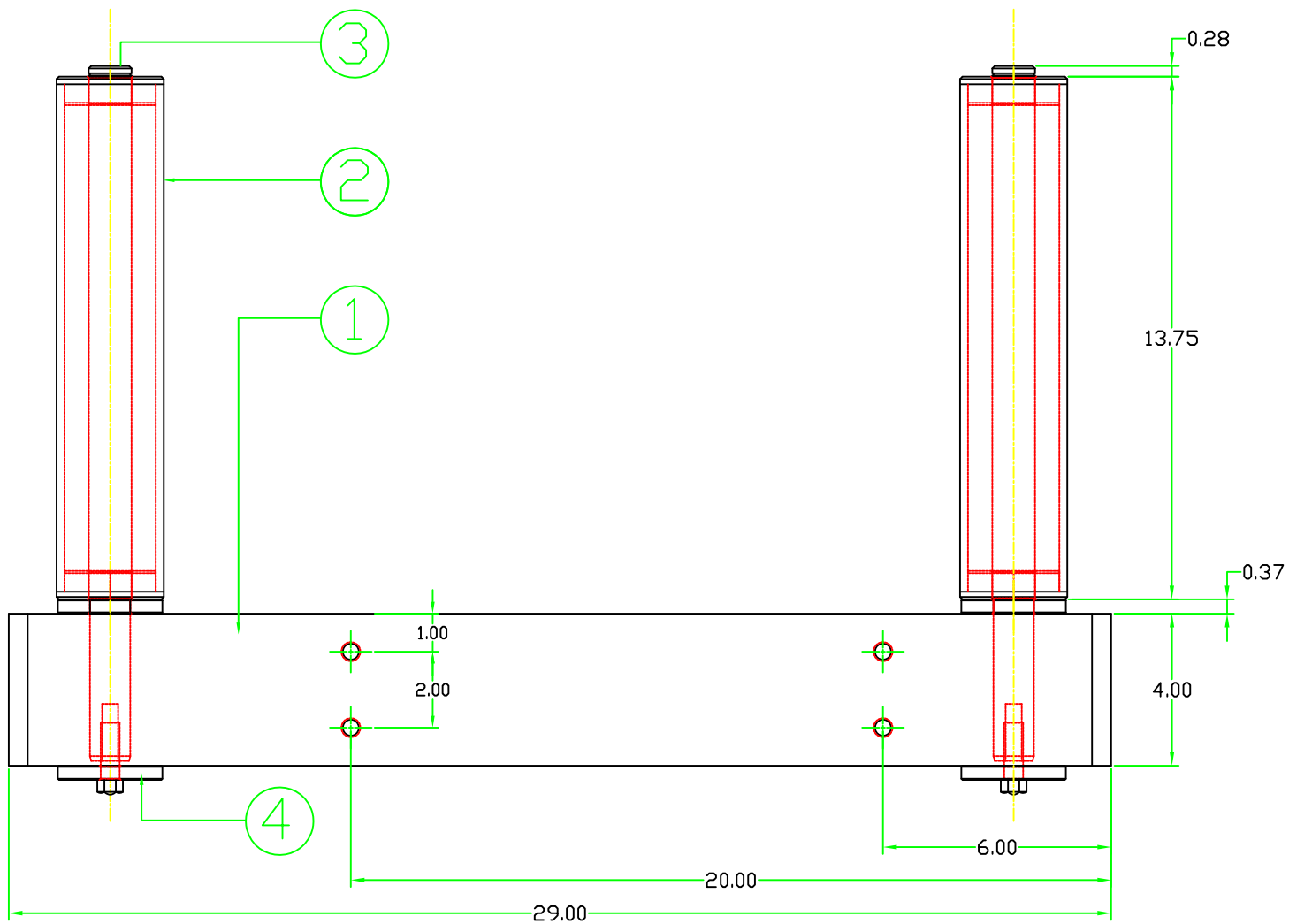


REVISIONS			
REV	ECN NUMBER	DATE	BY
-	-	-	-
-	-	-	-

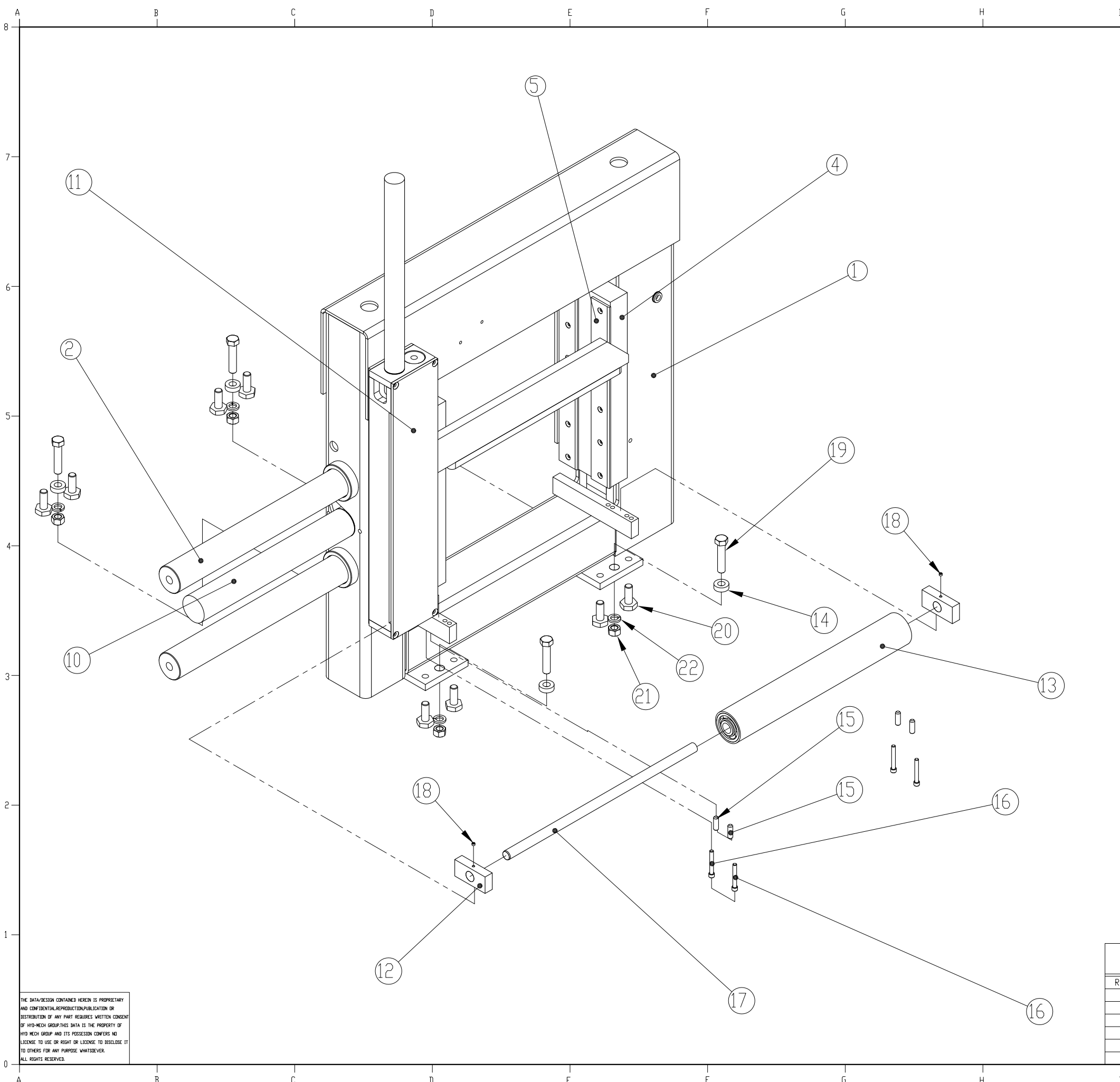
<b>STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED</b>				<b>HYDMECH GROUP LIMITED</b> WOODSTOCK, ONTARIO, CANADA N4S 0A9			
DIMENSIONS ARE IN INCHES				THIRD ANGLE PROJECTION			
MODEL: H22SV		COMPONENT GROUP: 50 - Vise and Bundling		DRWN BY: EngCoop		CHKD BY:	
MATERIAL CODE: ASSEMBLY		MATL:		DATE: Jan 14, 2016		SCALE: 1:14	
DRAWING NUMBER: <b>H22SV-G54-00</b>				COATING: No Coating		SHEET: 1 OF 1	
				REV: -			

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REV#	COORD	CHANGE MADE	DATE	FROM MACH SER.#	APPR. BY	ITEM#	PART#	DESCRIPTION	MAT. CODE	MATERIAL SIZE	QTY	RTG
-	-	-	-	-	-	1	H22-G241-00A	VERT ROLLER MGT BKT	WELDT	-	1	RTG
						2	H12B-G242-00	VERT ROLLER ASSY	ASSEMBLY	-	2	OPER-1
						3	H12B-G243-00	PIN ASSEMBLY	ASSEMBLY	-	2	-
						4	H12B-G24-01A	FLANGE	C2-HR-RD	Ø2.750X0.375	2	OPER-2



TOLERANCES UNLESS OTHERWISE SPECIFIED:				PART WGT.	DRAWN BY	DATE	HYD-MECH CORP. HOUSTON, TEXAS.	PART NUMBER H22-G24-00 SHEET 1 OF 1
	MACHINING		WELDING					
ANG:	.X +/- 0.5 DEG	.X	+/- 0.5 DEG	-	DC	NOV 11,98	PART DESCRIPTION H18/22 VERTICAL ROLLER ASSEMBLY	
DEC:	.X +/- .015 IN	.X	+/- .063 IN	QTY/MACH	CHKD BY	DATE		
DEC:	.XX +/- .010 IN	.XX	+/- .032 IN	-	SCS	-		
	.XXX +/- .005 IN	.XXX	+/- .016 IN					

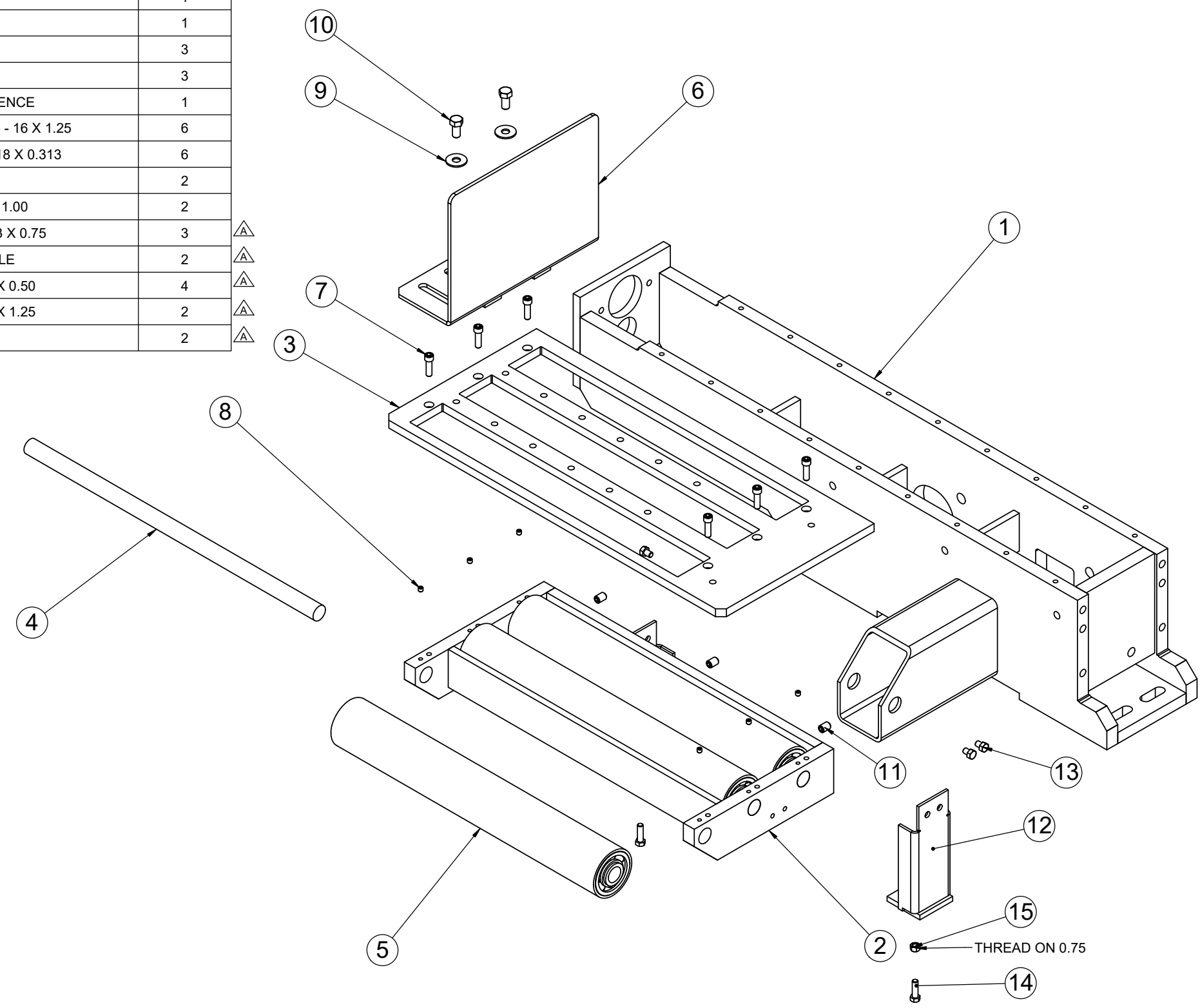


ITEM #	QTY.	PART #	DESCRIPTION
1	1	H22SV-1G531-00	FINAL WELDMENT, OUTBOARD VISE
2	2	H22SV-5-03	MOVABLE JAW SHAFT
3	1	M-H22SV-5-05A	SHUTTLE, MOVABLE JAW PLATE
4	1	H22SV522100	Weldment, Datum Jaw, Machined
5	4	H22SV-5-01	Wear Strip
6	1	H14-5-11	Link, Datum Jaw, Larger, Machined
7	1	H14-5-12	Link, Datum Jaw, Smaller, Machined
8	2	H14-5-15	Pin, Jaw Mounting, Larger
9	2	H14-5-10	Pin, Jaw Mounting, Smaller
10	1	H22SV-C31-00C	Assembly, Cylinder, Shuttle Vise
11	1	H22SV-G512-00	SHUTTLE BUNDLING
12	2	H22SV-1G00-01	BLOCK, OUTBOARD VISE ROLLER
13	1	H18SV-22-00A	ASSEMBLY, ROLLER
14	4	H22SV-1G00-02	WASHER, OUTBOARD VISE
15	4	394175	Screw, Set, Flat, 0.5-13 x 1.5
16	4	390737	Bolt, Socket Head, Cap, 0.375-16 x 2.75
17	1	H18SV-2-03	ROLLER SHAFT
18	2	393965	Screw, Set, Cup Point, 0.312-18 x 0.25
19	4	390345	Bolt, Hex Head Cap, 0.75 - 10 x 3.50
20	8	390325	Bolt, Hex Head Cap, 0.75-10 x 2.00
21	4	392880	Nut, Hex, 0.75 - 10
22	4	394785	Washer, Lock, 0.75

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REVISIONS				STANDARD TOLERANCES UNLESS OTHERWISE SPECIFIED		HYD - MECH GROUP LIMITED The Rock Solid Solution WOODSTOCK, ONTARIO, CANADA N4S 8A4						
REV	ECN NUMBER	DATE	BY	DIMENSIONS ARE IN INCHES		TITLE						
				LINEAR	ANGULAR	ASSEMBLY, OUTBOARD VISE						
				.X +/- .015 IN	X.X +/- 0.5 DEG	DRWN BY	GP	CHKD BY	-	SCALE	SHEET	REV
				.XX +/- .010 IN		DATE:	JULY 2004	DATE:	-	-	2 OF 2	-
				.XXX +/- .005 IN		MATERIAL: -						
				√ = 125 MICROINCHES	THIRD ANGLE PROJECTION	DRAWING NUMBER: H22SV-1G53-00						

ITEM#	PART NUMBER	DESCRIPTION	QUANTITY
1	H22SV-G511-00B	FRONT VISE FRAME	1
2	H18SV-G26-00	FRAME	1
3	H18SV-G2-07	OUTFEED PLATE	1
4	H18SV-2-03A	ROLLER SHAFT	3
5	H18SV-22-00B	ROLLER ASSEMBLY	3
6	50001341	ROLLER OUTFEED MOVEABLE FENCE	1
7	390720	BOLT, SOCKET HEAD, CAP, 0.375 - 16 X 1.25	6
8	393970	SCREW, SET, CUP POINT, 0.313-18 X 0.313	6
9	394670	WASHER, FLAT, 0.50	2
10	390165	BOLT, HEX HEAD, CAP, 0.50-13 X 1.00	2
11	394055	SCREW, SET, CUP POINT, 0.50-13 X 0.75	3
12	50000273	WELDMENT, LEG, OUTFEED TABLE	2
13	390115	BOLT, HEX HEAD, CAP, 0.375-16 X 0.50	4
14	390135	BOLT, HEX HEAD, CAP, 0.375-16 X 1.25	2
15	392850	NUT, HEX, 0.375-16	2



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REVISIONS			
REV	ECN NUMBER	DATE	BY
△	ECN01110	JULY 2016	MM

STANDARD HYDMECH TOLERANCES UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
THIRD ANGLE PROJECTION

<b>HYDMECH GROUP LIMITED</b> <small>WOODSTOCK, ONTARIO, CANADA N4S 0A9</small>					
TITLE: <b>ROLLER OUTFEED TABLE ASSEMBLY</b>					
MODEL: H22SV	COMPONENT GROUP: 50 - Vise and Bundling	DRWN BY: RVS DATE: Aug 30, 2016	CHKD BY: GP DATE: 03/13/2017	SCALE: 1:8	SHEET: 1 OF 1
MATERIAL CODE:	MATL:	PART WEIGHT: 464.2 lbs	COATING: No Coating	DRAWING NUMBER: <b>50001339</b>	REV: A