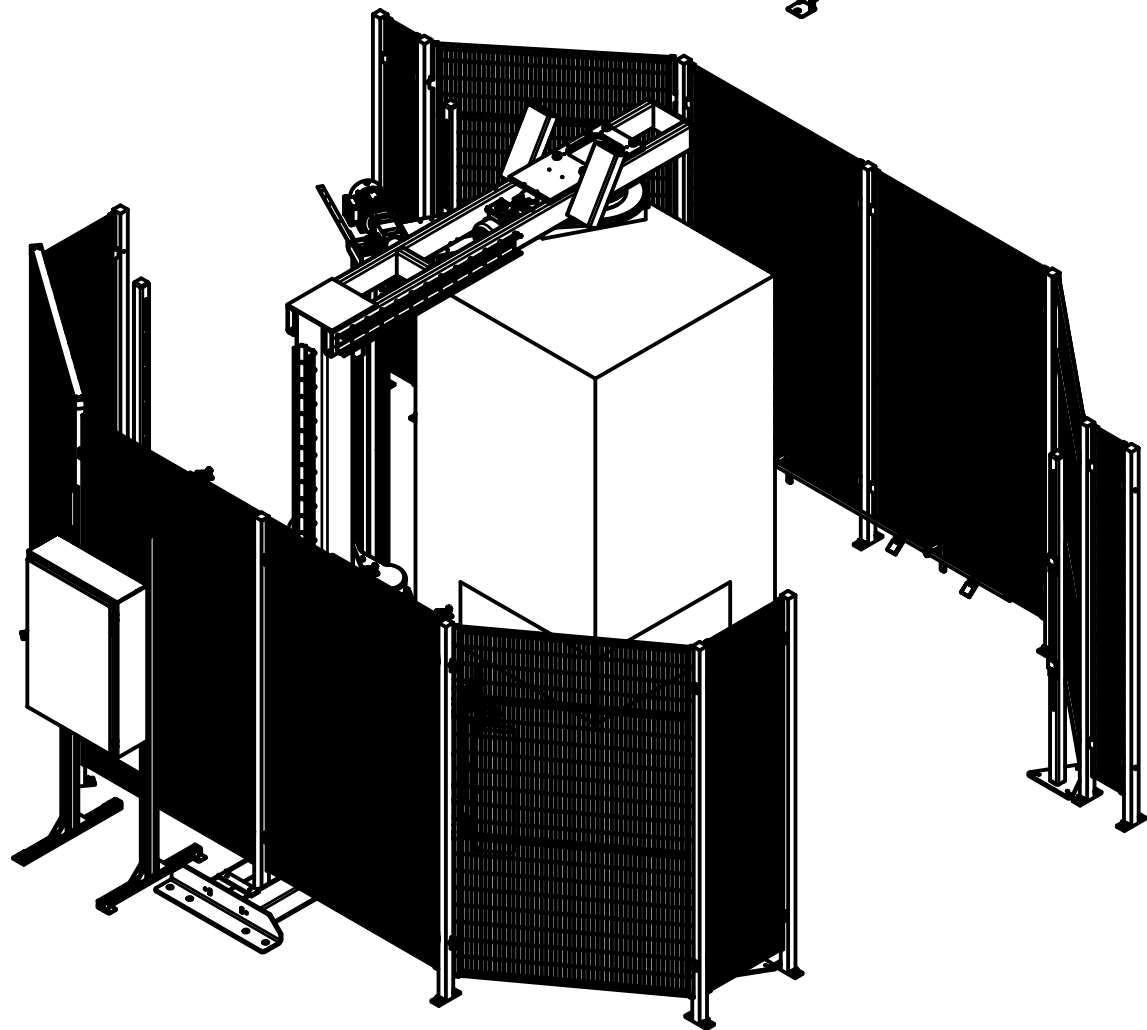




WIRING COLOR AND SIZE
115VAC (RED) 14 AWG MINIMUM
NEUTRAL (WHITE) 14 AWG MINIMUM
GND (GREEN/YELLOW) 14 AWG MINIMUM
+24VDC (BLUE) 18 AWG MINIMUM
DC COMMON (WHITE/BLUE) 18 AWG MINIMUM
CABLE COLORS AND GAUGE ARE LISTED IN PRINTS

WIRE GAUGE LEGEND

 18 AWG	 12 AWG	 6 AWG
 16 AWG	 10 AWG	
 14 AWG	 8 AWG	

1. SILICONE BASE PRODUCTS SHALL NOT BE USED ANYWHERE IN THIS ASSEMBLY.
2. ALL FIELD CONTROL WIRE TO BE A MINIMUM 14 AWG 75C COPPER, UNLESS OTHERWISE NOTED.
3. ALL CONDUIT HUB RATINGS MUST BE EQUAL TO OR SURPASS THE ASSEMBLY ENVIRONMENT RATING.
4. WHEN ORDERING REPLACEMENT PARTS, PLEASE SUPPLY THE JOB NUMBER AS SHOWN INSIDE THE CONTROL PANEL DOOR.
5. MANUFACTURES OF COMPONENTS USED IN THIS ASSEMBLY ARE SUBJECT TO CHANGE WITHOUT NOTICE.
6. THIS DOCUMENT IS THE PROPERTY OF THE END USER, PLEASE DO NOT REMOVE FROM THE ELECTRICAL CONTROL ENCLOSURE.
7. ALL WIRES CONNECTED TO THE B&R X20 IO MUST HAVE FERRULS.

100 L1 L2

101 (CP1) DS101

102 KLDRO30 FU102

103

104

105 (CP1) FU105 15 A

106 (CP1) FU106 12 A CCMR012

107 KLDRO7.5

108 230 VAC - 120 VAC 3.13 AMP IN 6.25 AMP OUT .75 KVA

109

110 PANEL (CP1) MCR20101 L1 T1 PANEL 20101 (CP1) L2 T2

111 PDB110 PDB111

112 (CP1) FU110 15 A KLDRO15

113 (CP1) FU112 15 A KLDRO15

114 (CP1) FU114 15 A KLDRO15

115 (CP1) FU116 15 A KLDRO15

116 (CP1) FU118 15 A KLDRO15

117 (CP1) FU120 15 A KLDRO15

118

119

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125

106 to 200 120 VAC HOT

N to 200,20002 NEUTRAL

112 to 301 113 to 302 TO MAIN DRIVE VFD

114 to 401 115 to 402 TO FILM CARRIAGE VFD

116 to 501 117 to 502 TO MULTISTRETCH VFD

118 to 601 119 to 602 TO WRAPZONE CONVEYOR VFD

120 to 701 121 to 702 TO INFEE/EXIT CONVEYOR 1 VFD

122 to 801 123 to 802 TO INFEE/EXIT CONVEYOR 2 VFD

MINIMUM 10AWG 75DEG C, COPPER

GND

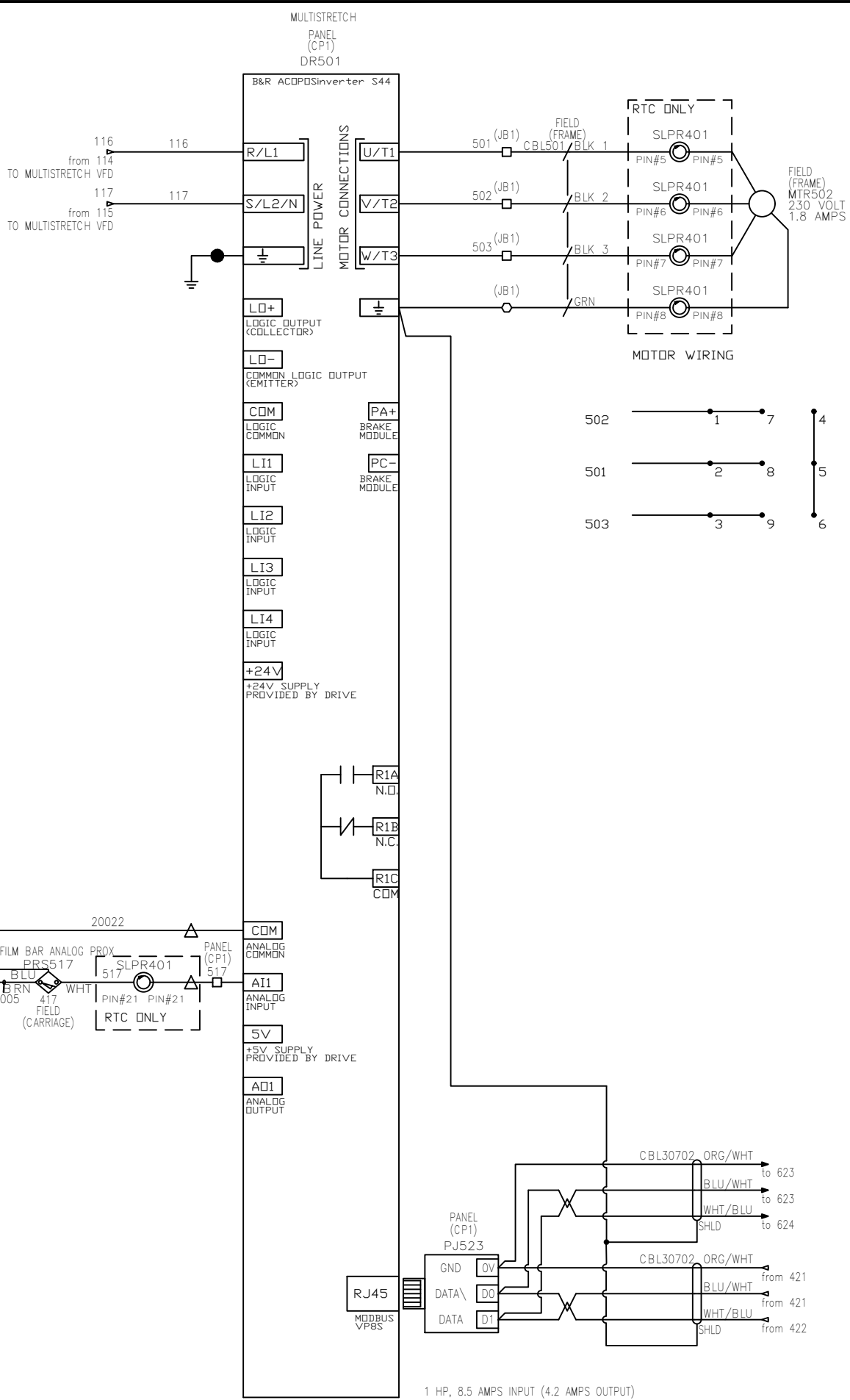
XF105

H1 H2 H3 H4 X1 X2 X3 X4

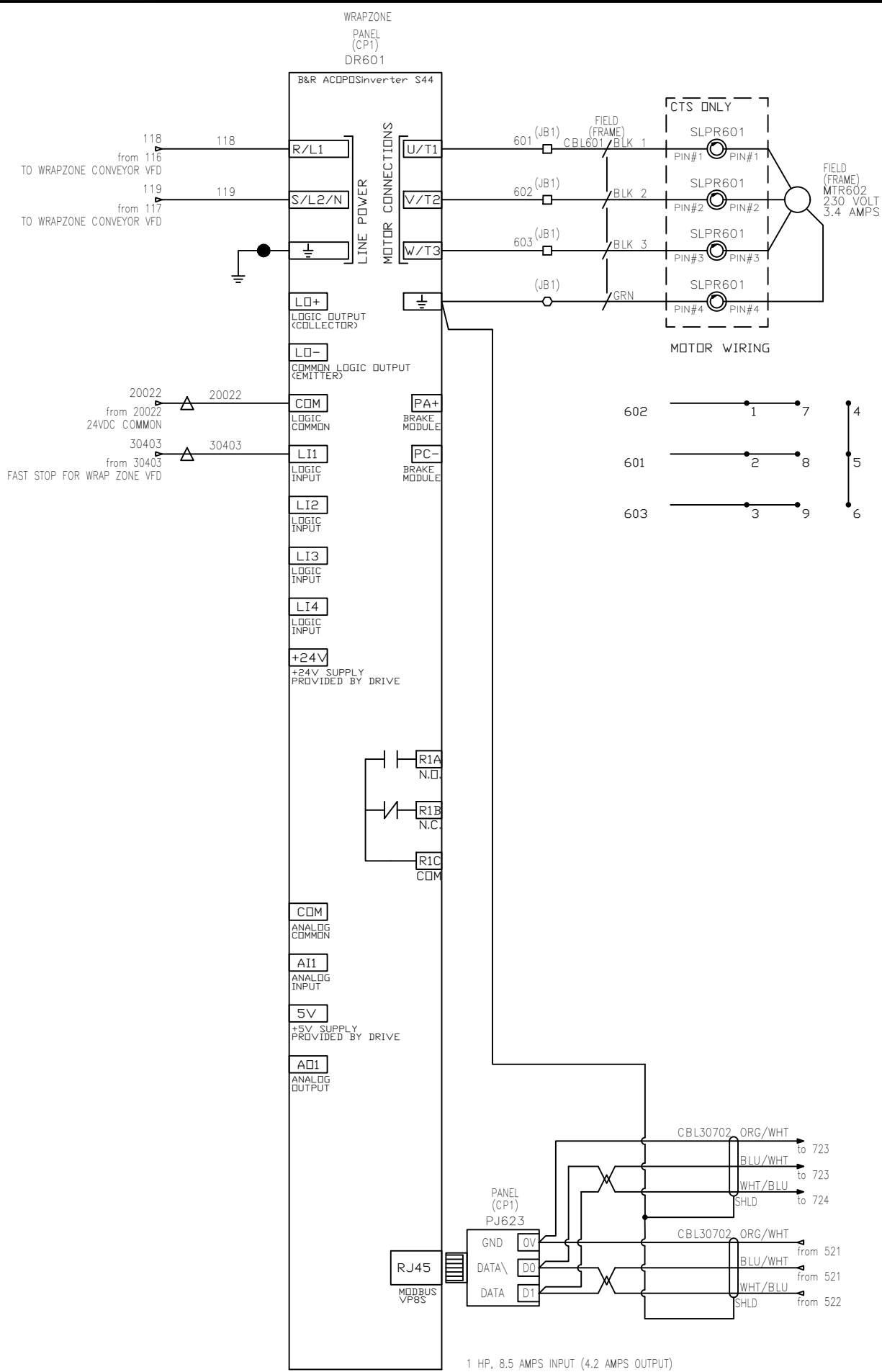


*FLEX
CTS/RTC
VAC POWER DROP
AND DISTRIBUTION*

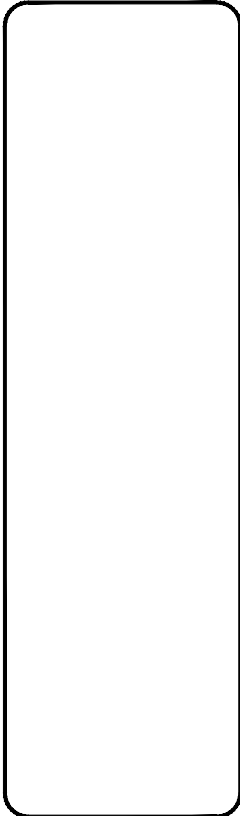
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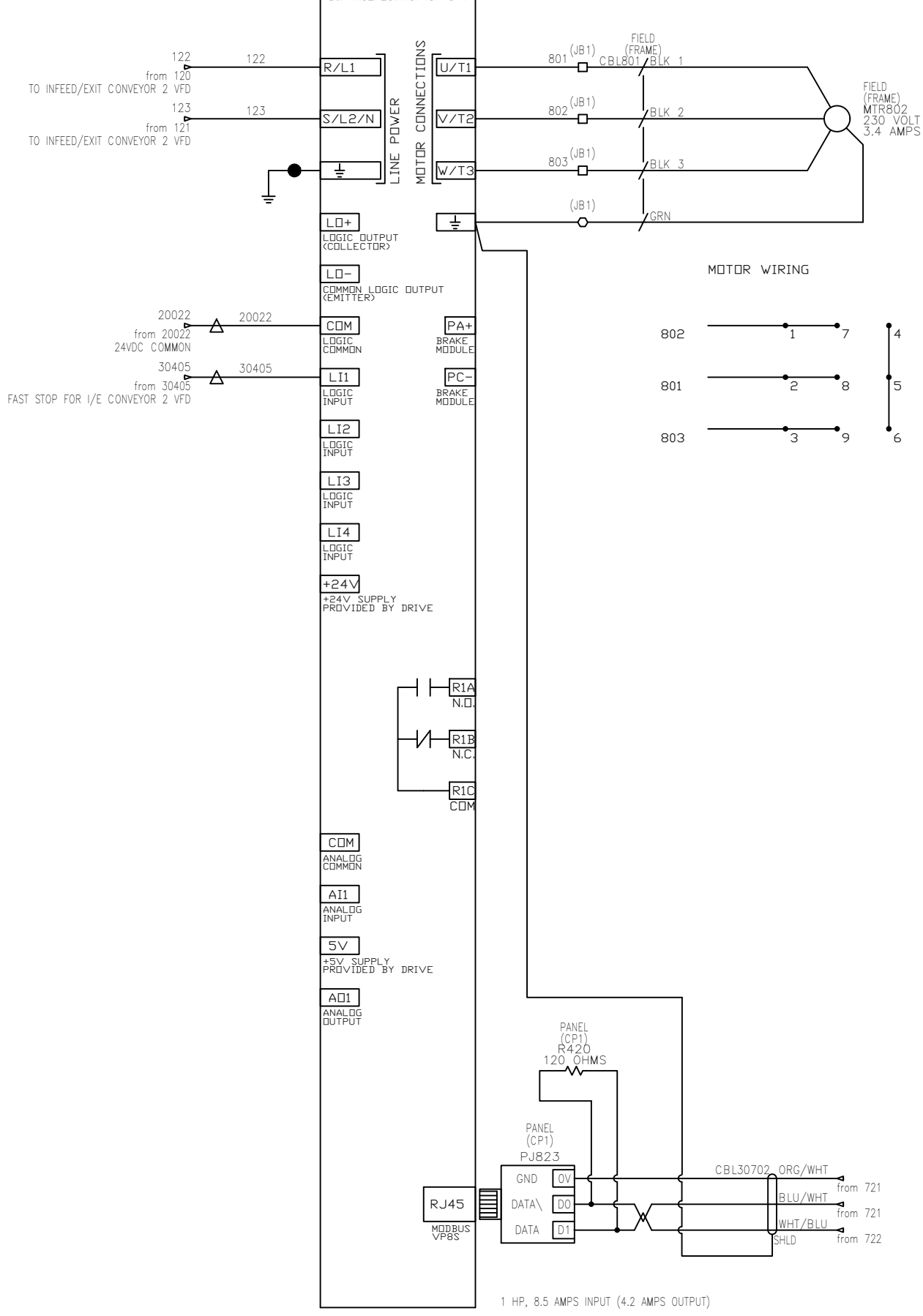
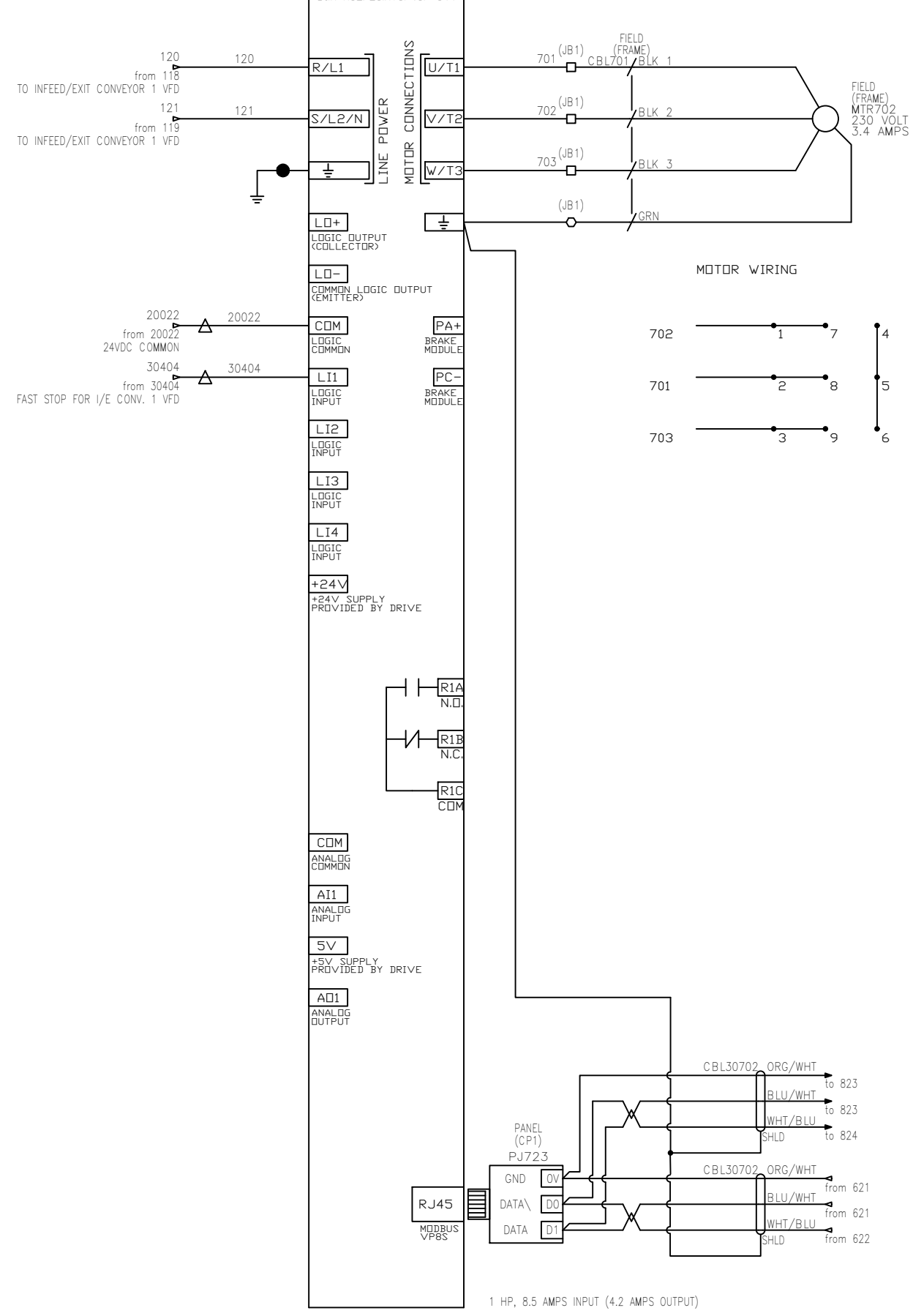


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NO.	DATE	REVISION			BY
DWG TITLE					
FLEX CTS/RTC					
230 VAC VFD					
ENGINEER			CHECKED BY		
JOB NO			DRAWN BY		
SCALE			DATE		
NO SCALE			12/2018		
DWG NO					
1084105					
SHEET NO					
4 OF 25					



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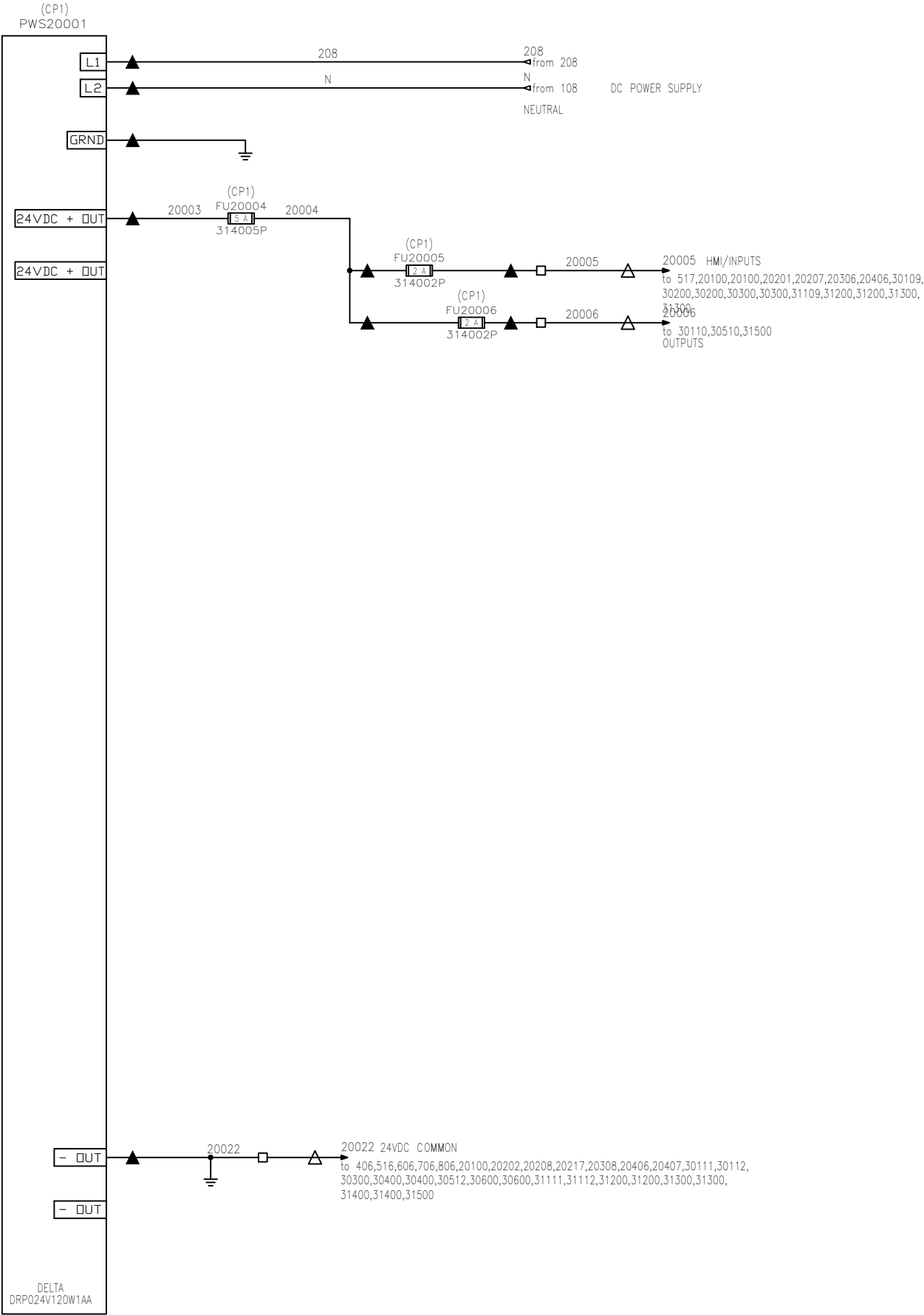
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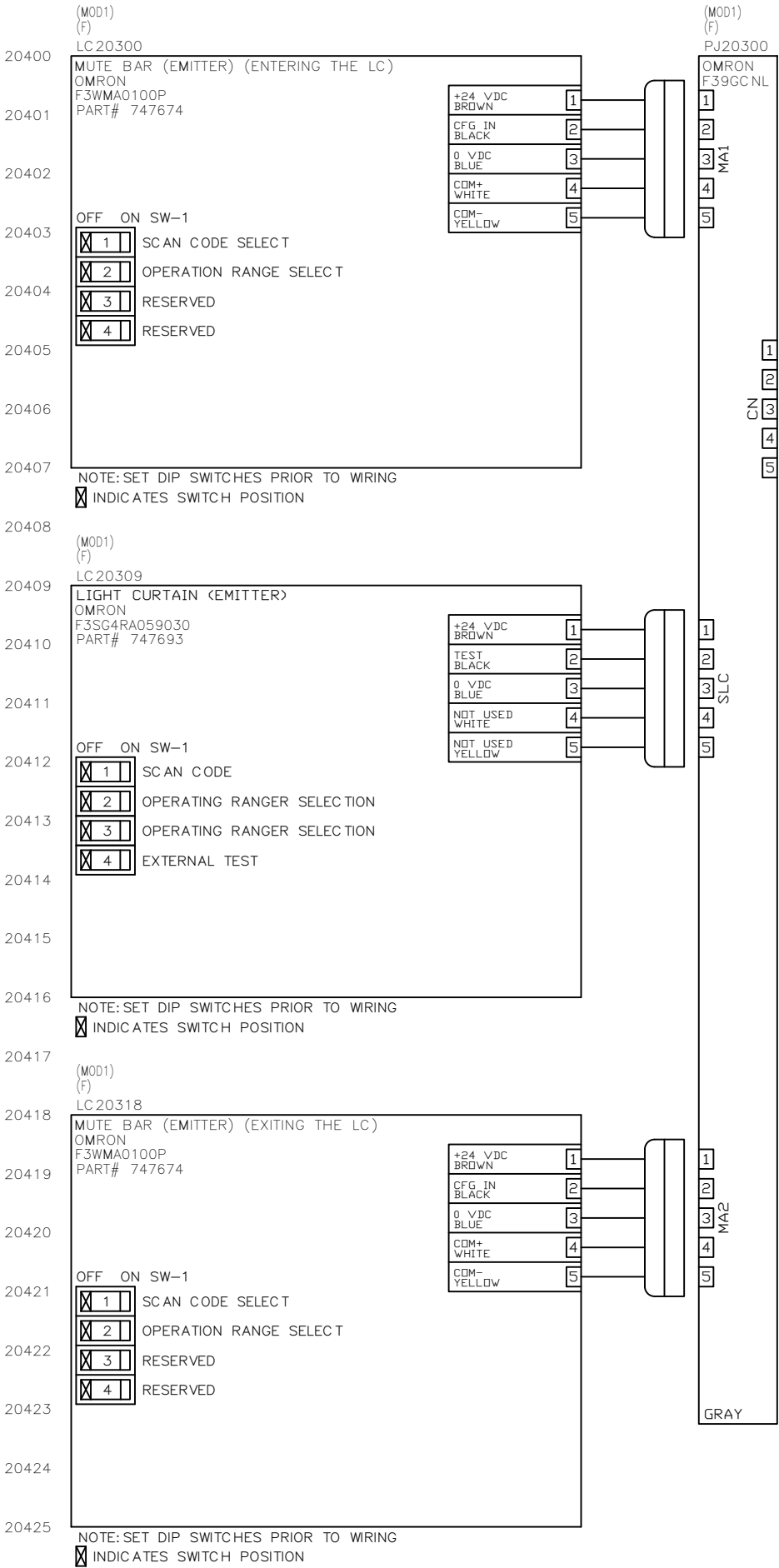
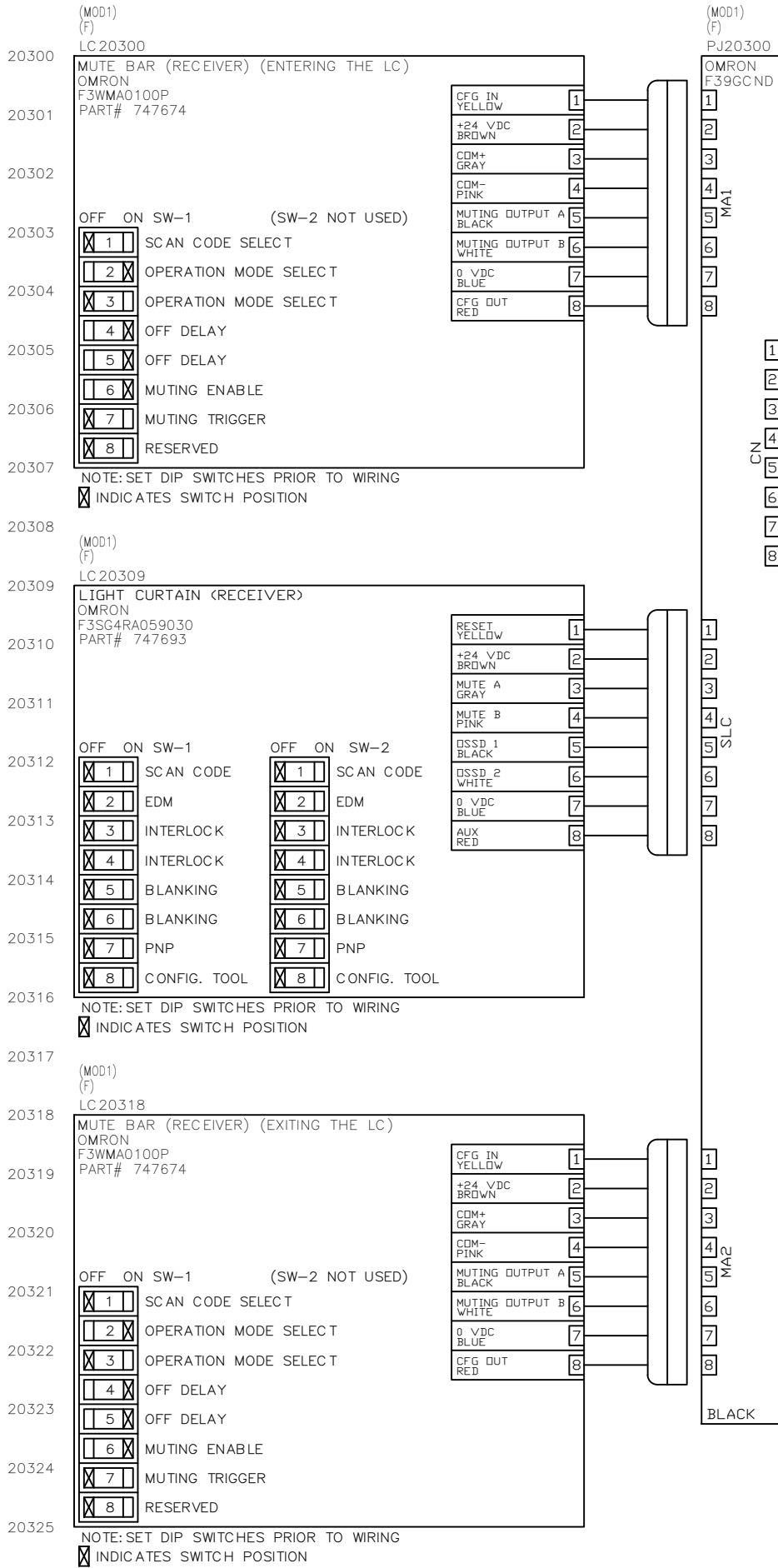
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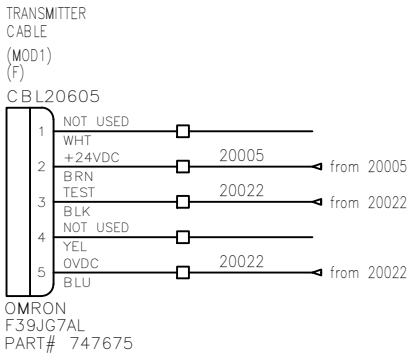
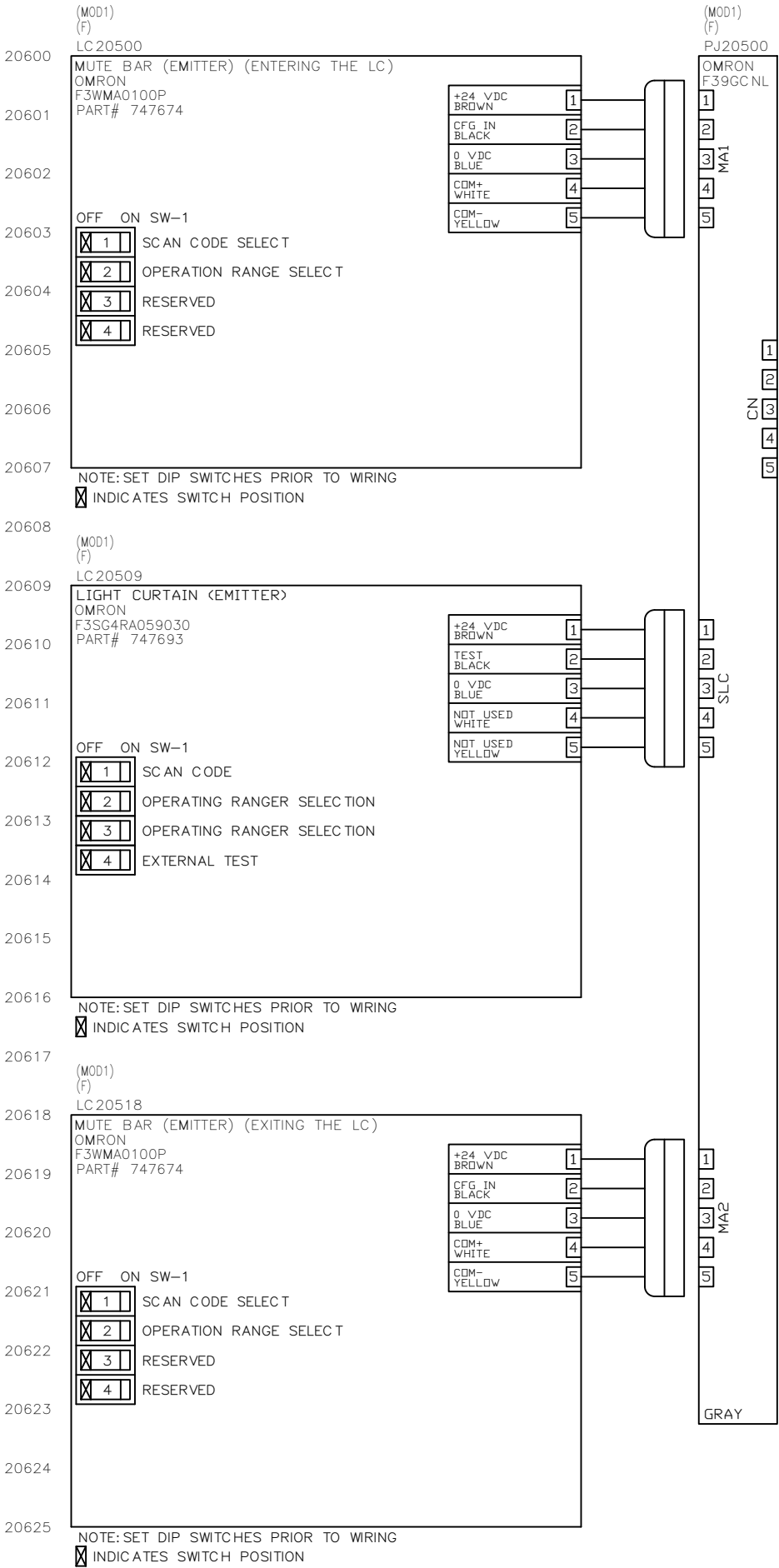
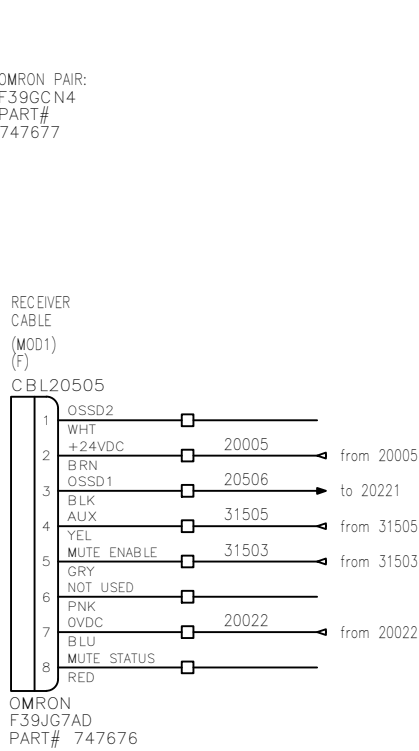
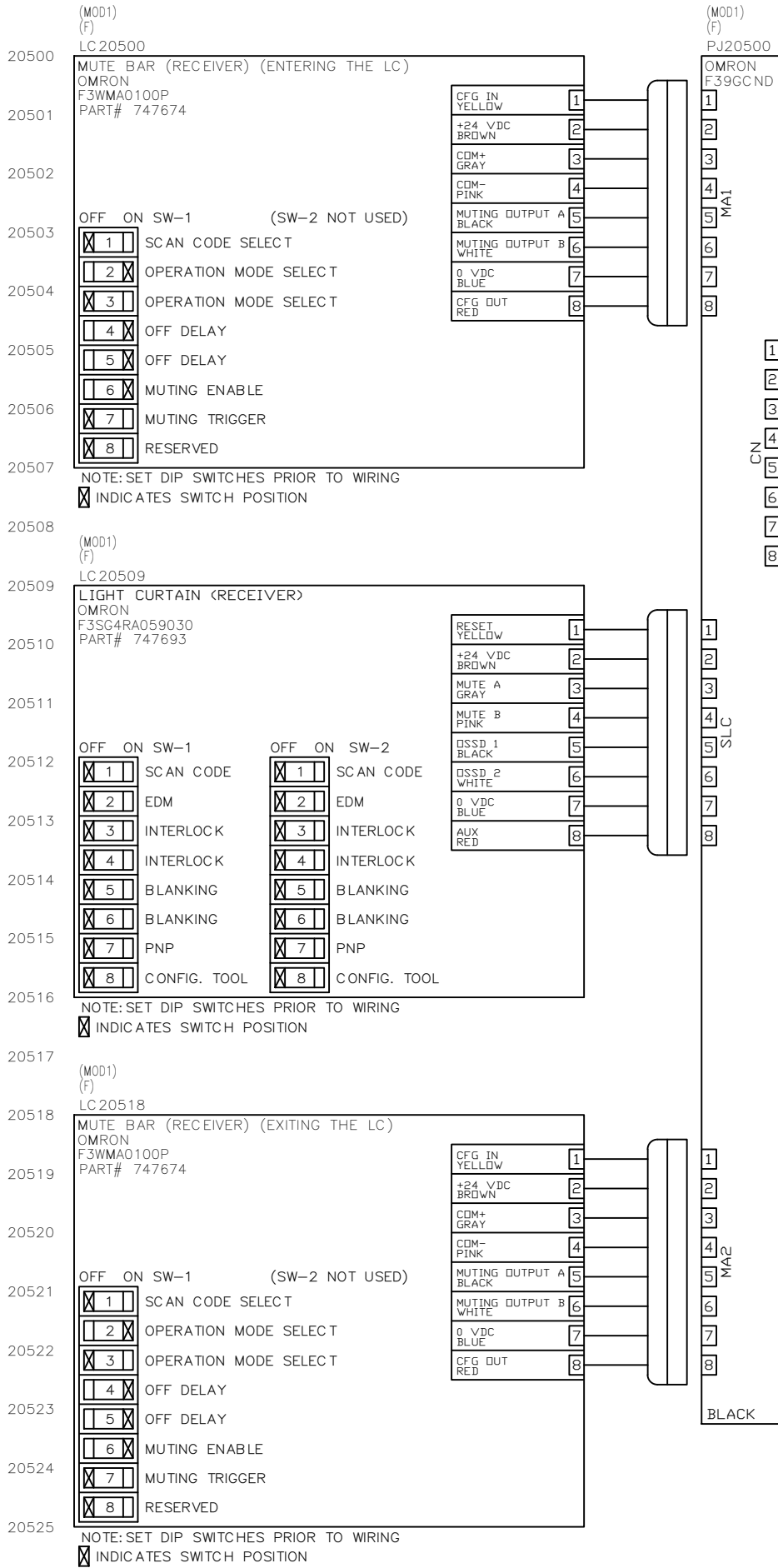
NO.	DATE	REVISION			BY
DWG TITLE					
FLEX CTS/RTC					
24 VDC POWER DISTRIBUTION					
ENGINEER		CHECKED BY			
JOB NO		DRAWN BY			
SCALE		DATE			
NO SCALE		12/2018			
DWG NO					
1084105					
SHEET NO					



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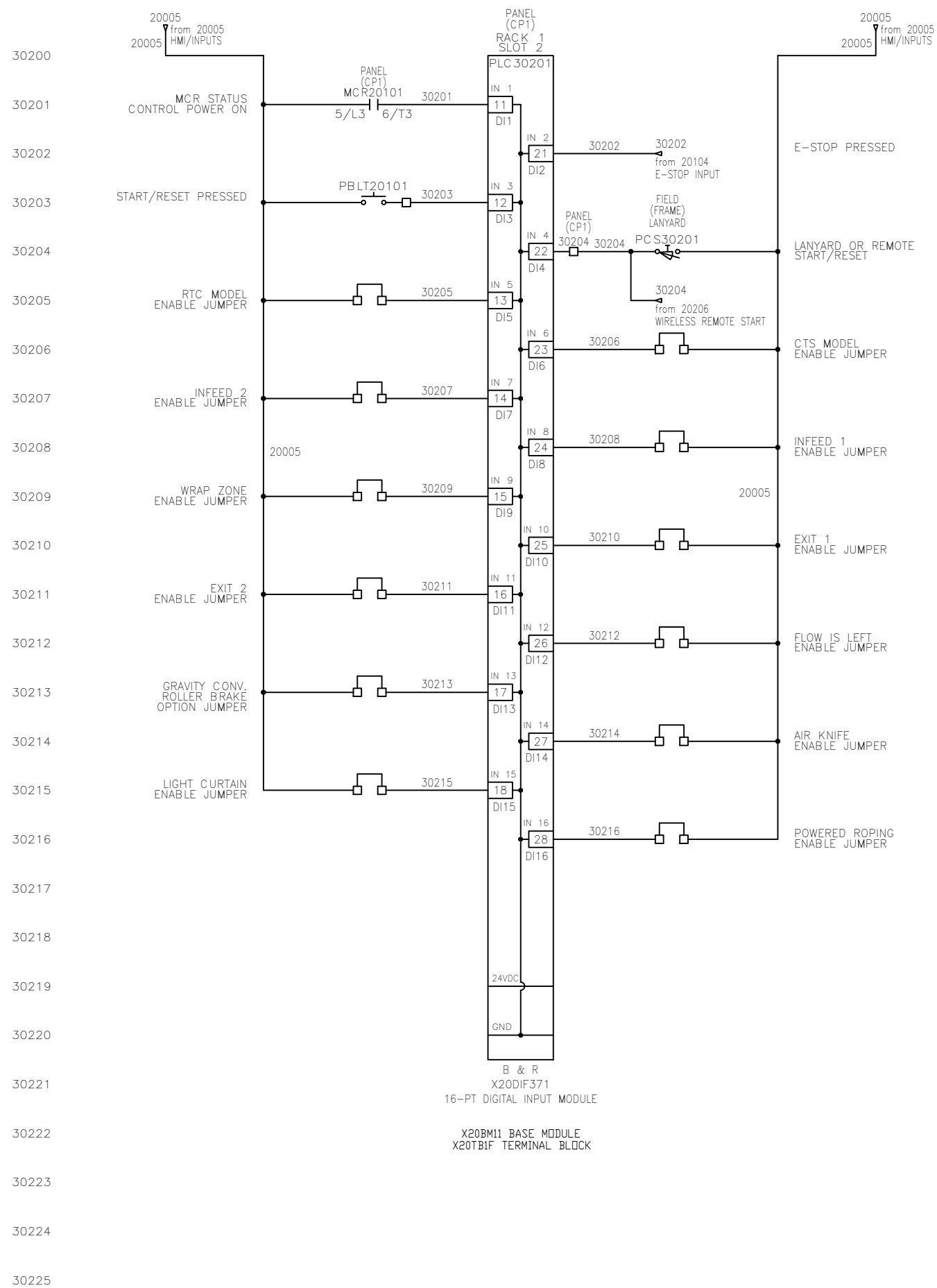
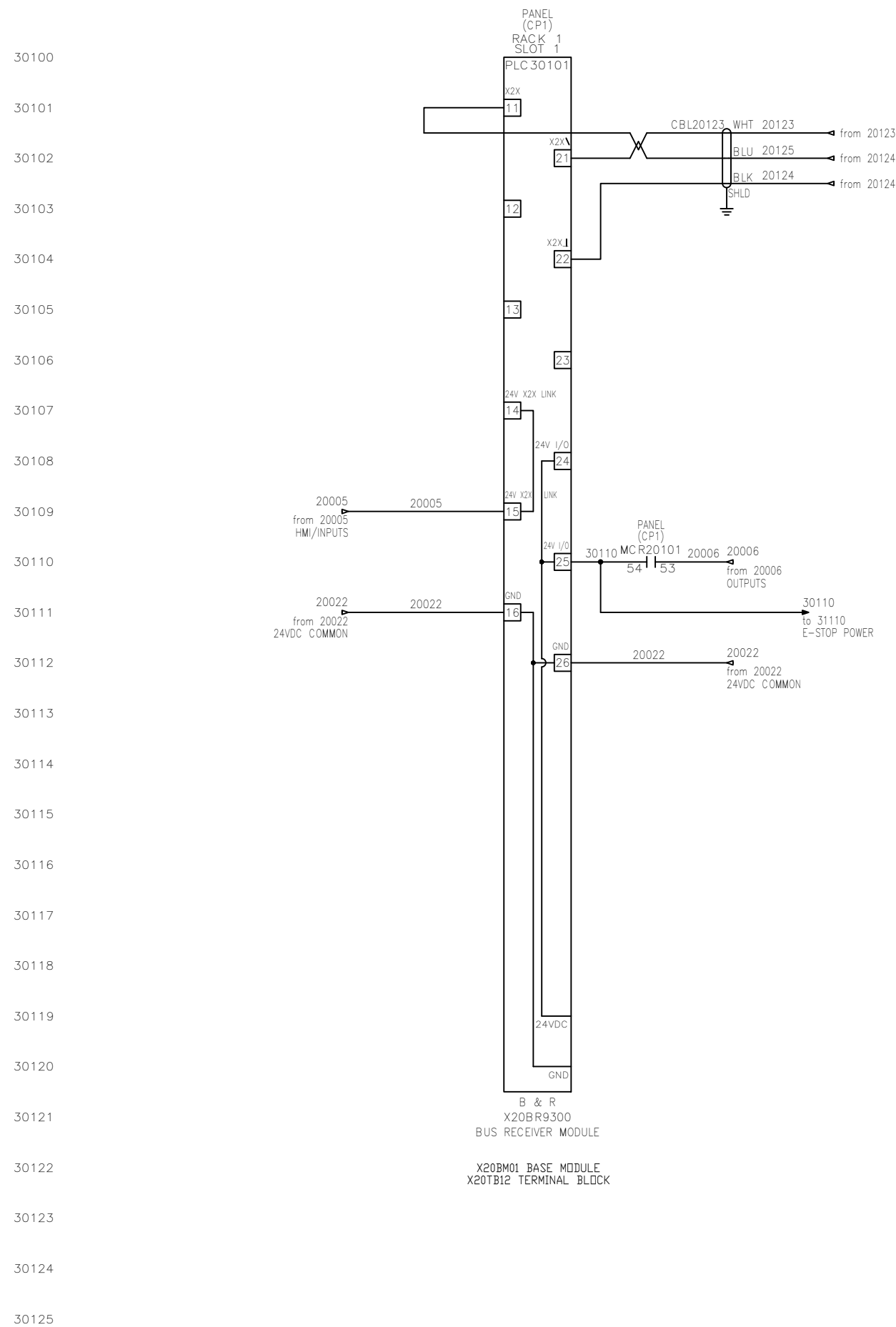
NO.	DATE	REVISION			BY
DWG TITLE					
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ENGINEER		CHECKED BY			
JOB NO		DRAWN BY			
SCALE		NO SCALE		DATE	
				12/2018	
DWG NO					
<i>1084105</i>					
SHEET NO					
<i>8 OF 25</i>					



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NO.	DATE	REVISION	BY
DWG TITLE			
FLEX CTS/RTC LIGHT CURTAINS			
ENGINEER	CHECKED BY		
JOB NO	DRAWN BY		
SCALE	NO SCALE	DATE	12/2018
DWG NO	1084105		
SHEET NO	9 OF 25		



ALL WIRES ON THIS PAGE ARE 18AWG, REFER TO PG 1 FOR WIRE COLOR

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NO.	DATE	REVISION	BY
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DWG TITLE

FLEX CTS/RTC

X20 I/O POWER / INPUTS

ENGINEER	CHECKED BY
JOB NO	DRAWN BY
SCALE	DATE
NO SCALE	12/2018

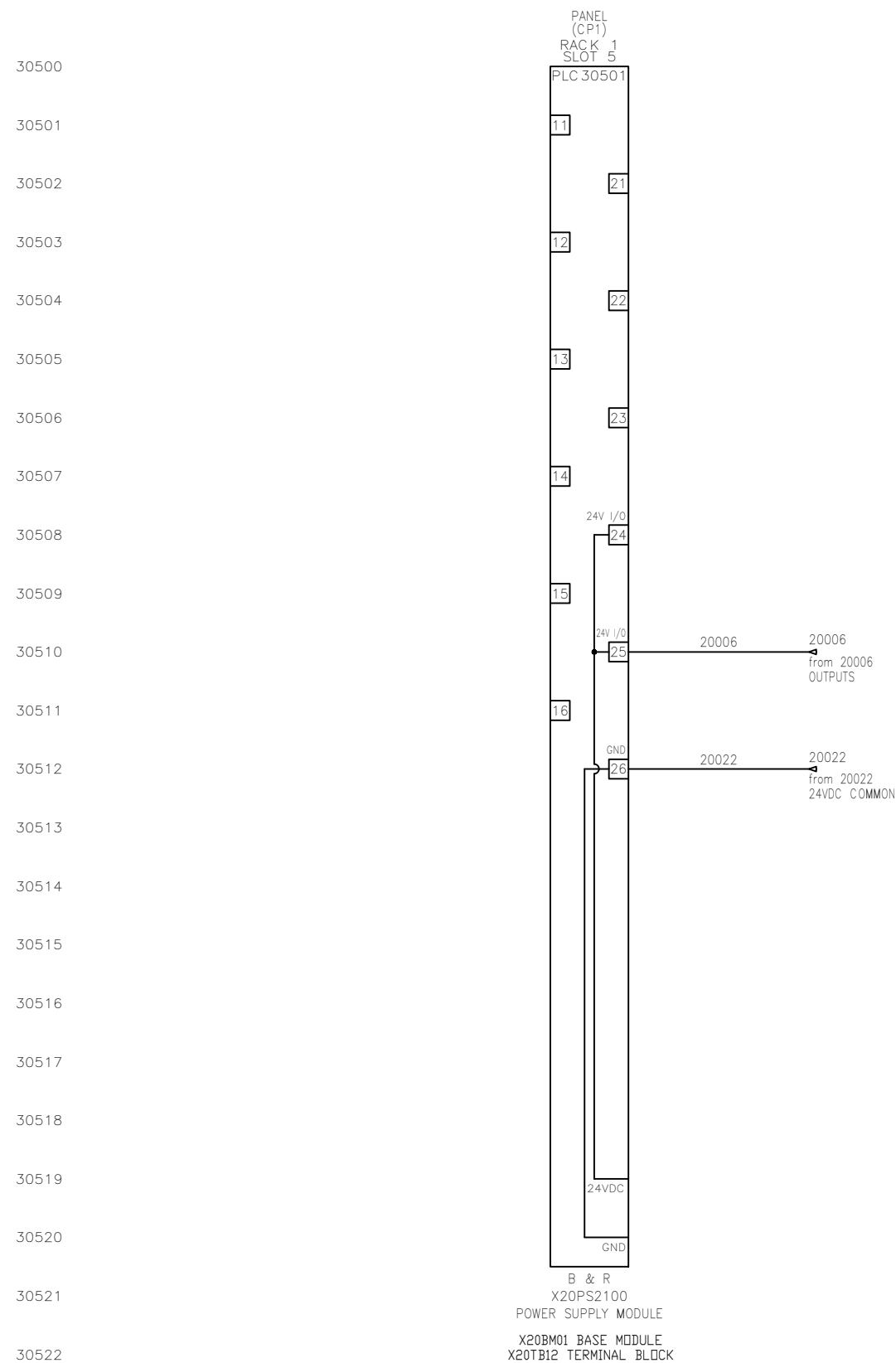
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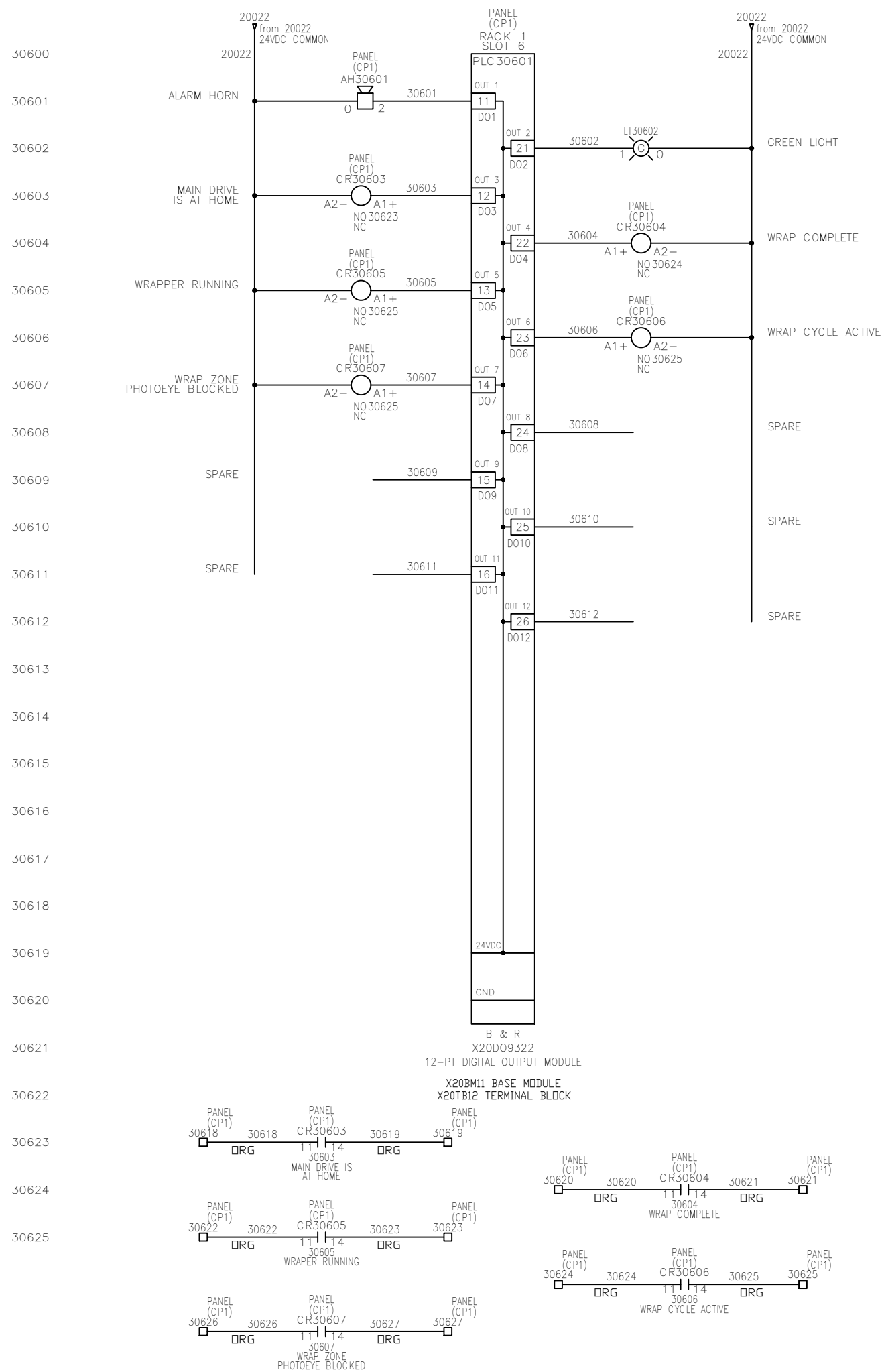
SHEET NO
10 OF 25

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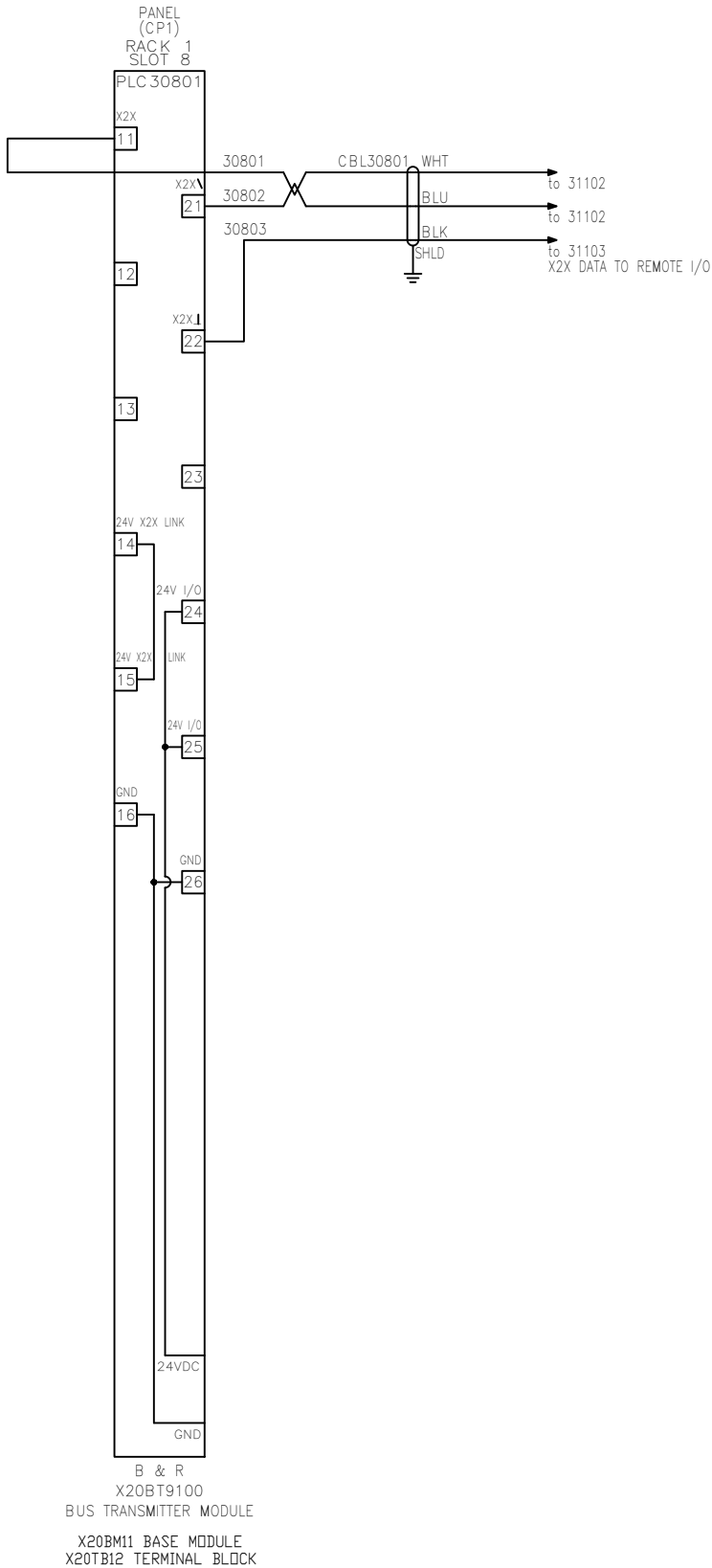
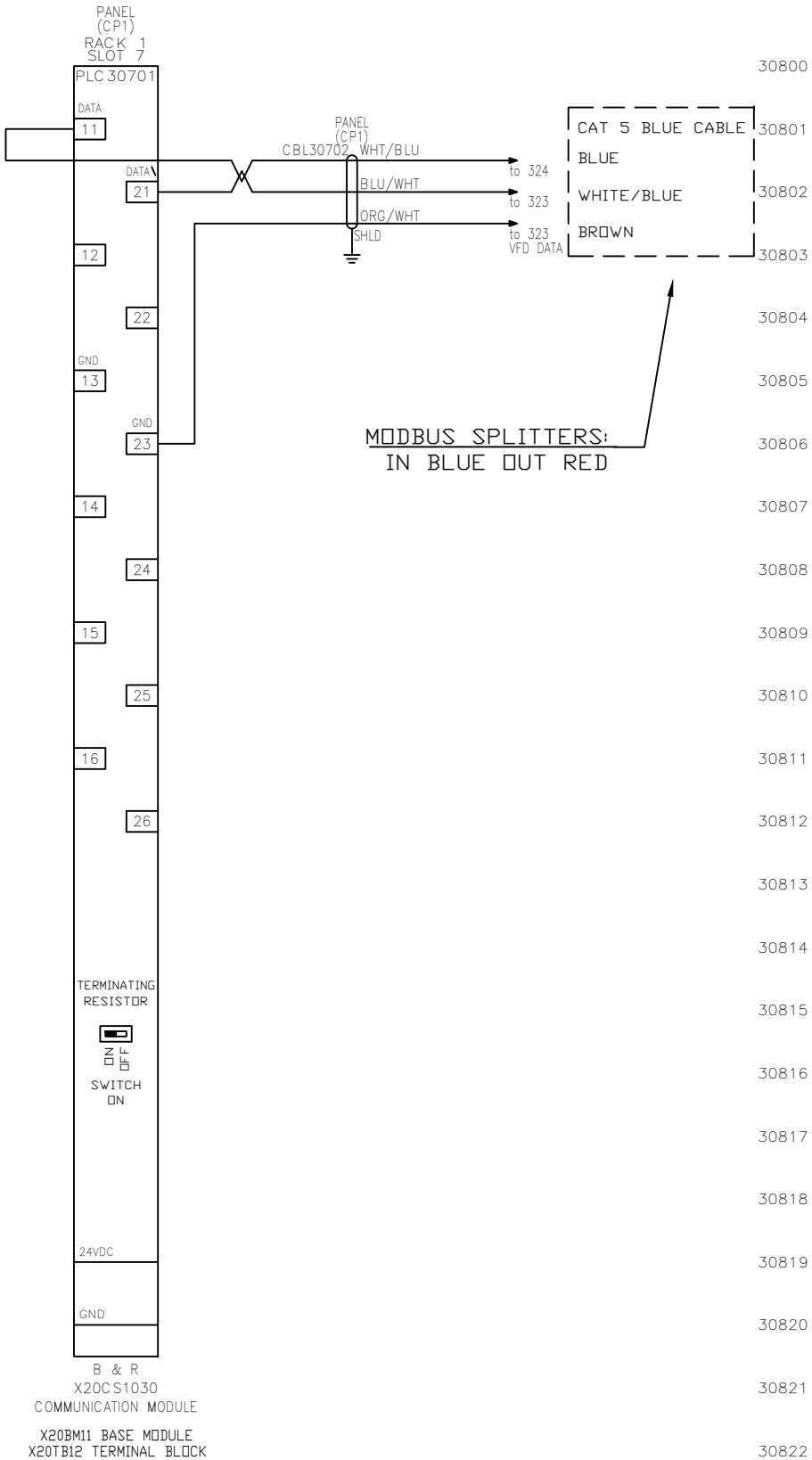


ALL WIRES ON THIS PAGE ARE 18AWG, REFER TO PG 1 FOR WIRE COLOR



NO.		DATE		REVISION				BY	
DWG TITLE									
<i>FLEX CTS/RTC</i>									
<i>X20 1/0 POWER OUTPUTS</i>									
ENGINEER									
CHECKED BY									
JOB NO					DRAWN BY				
SCALE					DATE				
NO SCALE					12/2018				
DWG NO									
<i>1084105</i>									
SHEET NO									
<i>12 OF 25</i>									

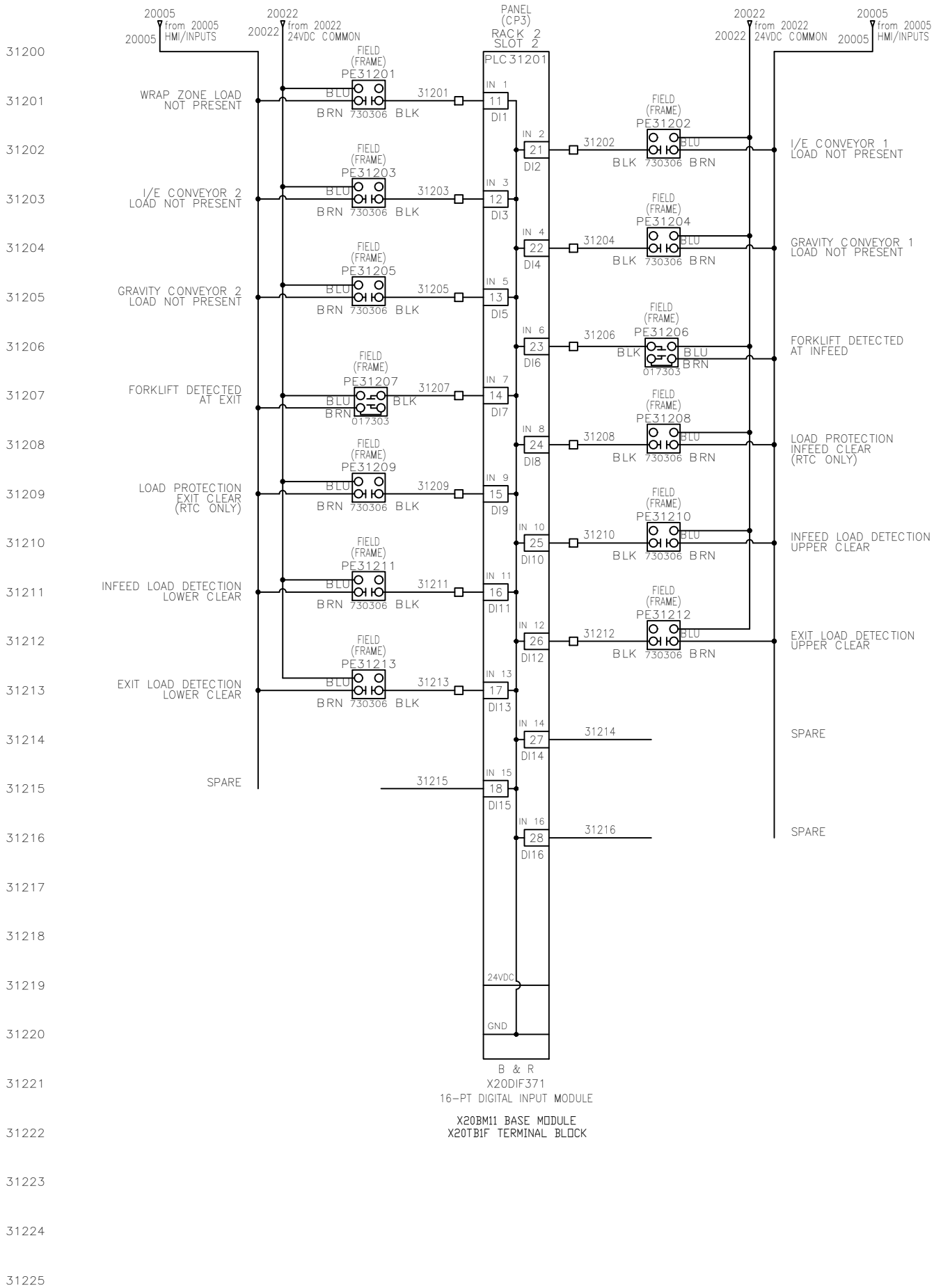
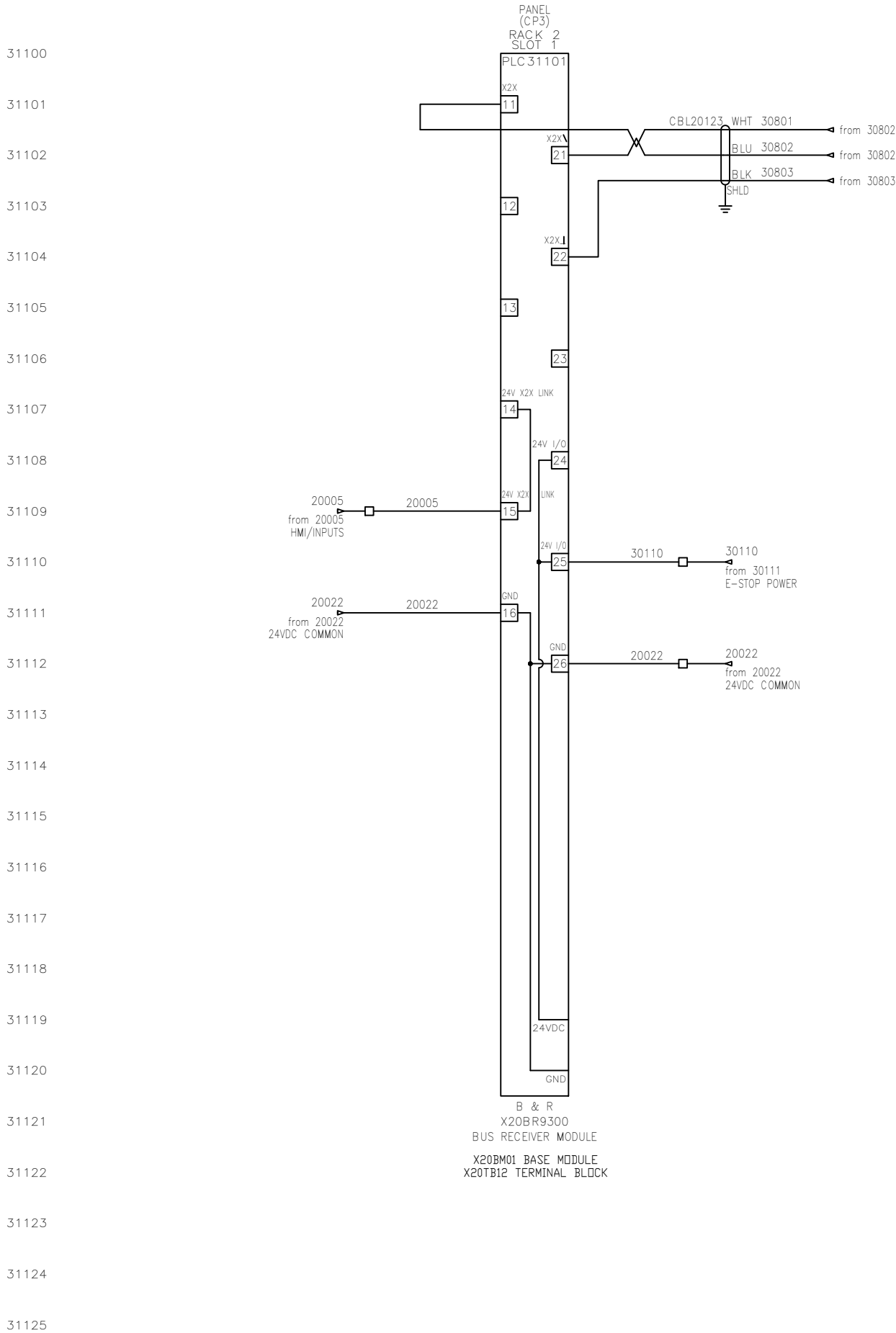
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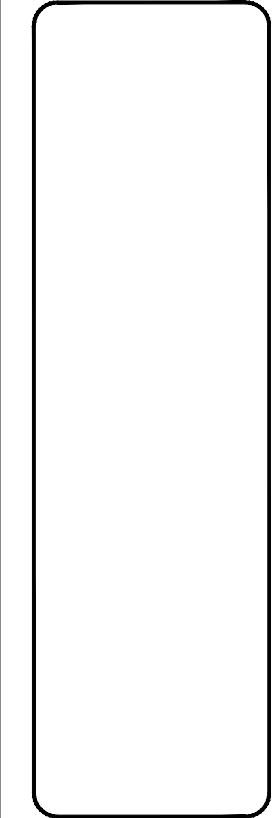
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NO.	DATE	REVISION	B.Y.
DWG TITLE			
FLEX CTS/RTC			
X20 RS485 COMM			
ENGINEER	CHECKED BY		
JOB NO	DRAWN BY		
SCALE	DATE		
NO SCALE	12/2018		
DWG NO			
1084105			
SHEET NO			
13 OF 25			



ALL WIRES ON THIS PAGE ARE 18AWG, REFER TO PG 1 FOR WIRE COLOR



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NO.	DATE	REVISION	B.Y.
DWG TITLE			
FLEX CTS/RTC			
X20 I/O POWER/ INPUTS			
ENGINEER	CHECKED BY		
JOB NO	DRAWN BY		
SCALE	DATE		
DWG NO	12/2018		
1084105			
SHEET NO			
15 OF 25			

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NO.	DATE	REVISION			BY
DWG TITLE					
<i>FLEX CTS/RTC</i>					
<i>X20 INPUT/ OUTPUT</i>					
ENGINEER		CHECKED BY			
JOB NO		DRAWN BY			
SCALE	NO SCALE	DATE	12/2018		
DWG NO					
<i>1084105</i>					
SHEET NO					
<i>16 OF 25</i>					

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SPARE

SPARE

PLUG50101

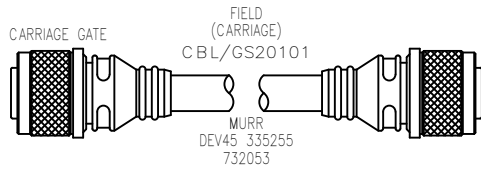
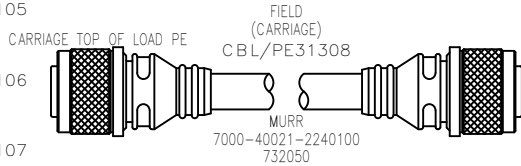
FIELD
(CARRIAGE)

MURR
M12-PLUG-PA
732026

PLUG50103

FIELD
(CARRIAGE)

MURR
M12-PLUG-PA
732026



FILM BAR ANALOG PROX

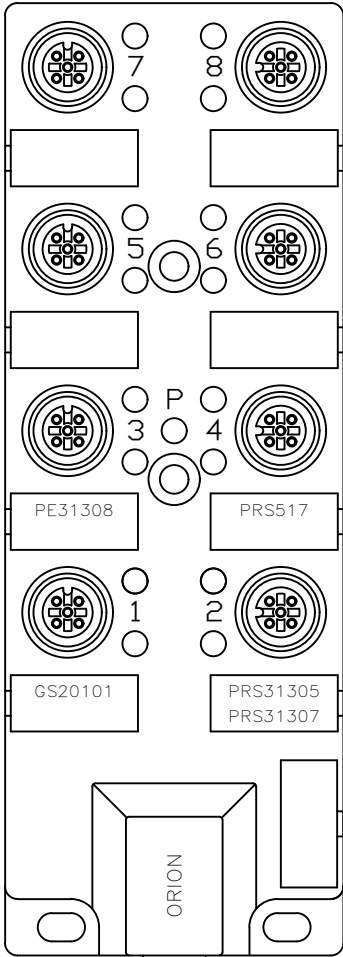
PIN	WIRE COLOR	QD SIDE PIN
1	BROWN	1
2	WHITE	4
3	BLUE	3
4	BLACK	2

NOTE 1

WIRE COLOR (BULKHEAD)	PORT#	PIN#	DEVICE TAG	WIRE#	DESCRIPTION	I/O ADDRESS
WHITE(3)	1	4	GS20101	31301	CARRIAGE GATE OPEN	
GRY/PNK(11)	1	2	GS20101	20101	CARRIAGE GATE CLOSED	
GREEN(4)	2	4	PRS31305	31305	CARRIAGE NOT AT TOP	
RED/BLU(12)	2	2	PRS31307	31307	CARRIAGE NOT AT BOTTOM	
YELLOW(6)	3	4	PE31308	31308	CARRIAGE AUTO HEIGHT	
GRAY(8)	4	4	PRS517	517	ANALOG PROX	
PINK(5)	5	4				
RED(9)	6	4				
BLACK(7)	7	4				
VIOLET(10)	8	4				
BROWN(1)	1 - 8	1		20005	24VDC +	
BLUE(2)	1 - 8	3		20022	0VDC -	

SEE NOTE 1

8 PORT DISTRIBUTION BLOCK
FIELD
(CARRIAGE)
PJ50100



PLUG50102

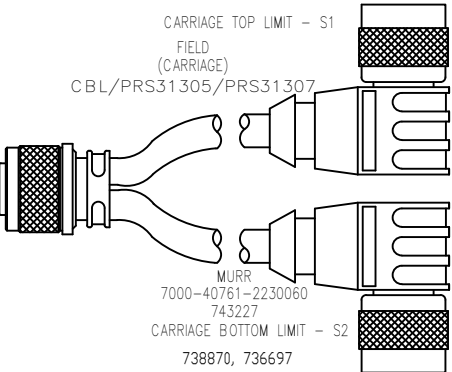
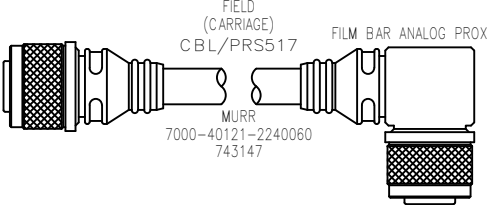
FIELD
(CARRIAGE)

MURR
M12-PLUG-PA
732026

PLUG50104

FIELD
(CARRIAGE)

MURR
M12-PLUG-PA
732026



M12 TO M12 5 METER PATCH CABLE: 753565

CABLE

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CTS SLIP RING

PORT	WIRE #	FIXED SIDE	WIRE COLOR	ROTARY SIDE	WIRE #	DEVICE TAG	DEVICE NAME
1	601	S1	BLACK	R1	601	MTR602	WRAP ZONE CONV.
1	602	S2	YELLOW	R2	602	MTR602	WRAP ZONE CONV.
1	603	S3	RED	R3	603	MTR602	WRAP ZONE CONV.
1	GND	S4	GREEN	R4	GND	MTR602	WRAP ZONE CONV. GND
2		S5	BLACK	R5		SPARE MOTOR	
2		S6	YELLOW	R6		SPARE MOTOR	
2		S7	RED	R7		SPARE MOTOR	
2		S8	GREEN	R8		SPARE MOTOR	SPARE MOTOR GND
3	AUX	S9	RED	R9		AUX PORT	
3	AUX	S10	BLACK	R10		AUX PORT	
3	AUX	S11	YELLOW	R11		AUX PORT	
3	AUX	S12	GREEN	R12		AUX PORT	
4		S13	12 PIN(1)	R13			
4	20022	S14	12 PIN(2)	R14	20022		DC COMMON
4	31401	S15	12 PIN(3)	R15	31401	SOL31401	FILM CLAMP 90 OPEN
4	31402	S16	12 PIN(4)	R16	31402	SOL31402	FILM CLAMP 180 OPEN
4	31403	S17	12 PIN(5)	R17	31403	SOL31403	FILM CLAMP 90 CLOSE
4	31404	S18	12 PIN(6)	R18	31404	SOL31404	FILM CLAMP 180 CLOSE
4		S19	12 PIN(7)	R19			
4		S20	12 PIN(8)	R20			
4		S21	12 PIN(9)	R21			
4		S22	12 PIN(10)	R22			
4		S23	12 PIN(11)	R23			
4		S24	12 PIN(12)	R24			

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NO.	DATE	REVISION	BY
DWG TITLE			
FLEX CTS/RTC			
CARRIAGE I/O BLOCK CTS			
ENGINEER	CHECKED BY		
JOB NO	DRAWN BY		
SCALE	NO SCALE	DATE	12/2018
DWG NO	1084105		
SHEET NO	18 OF 25		

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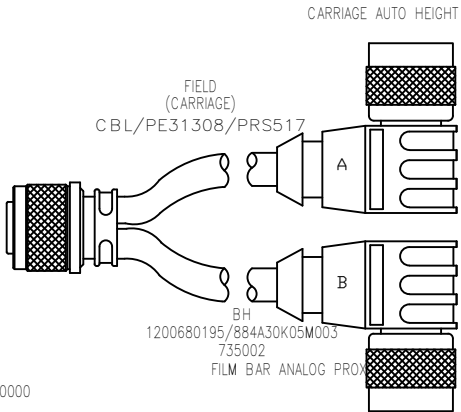
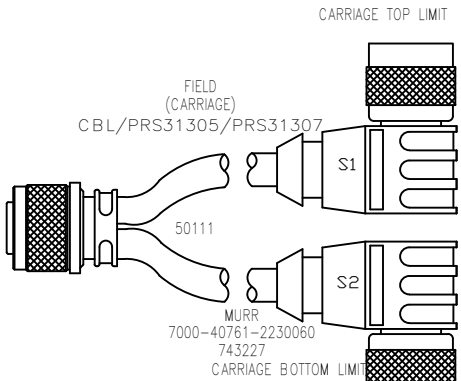
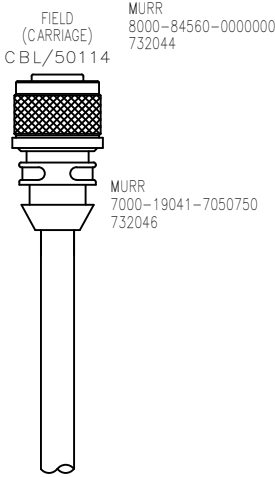
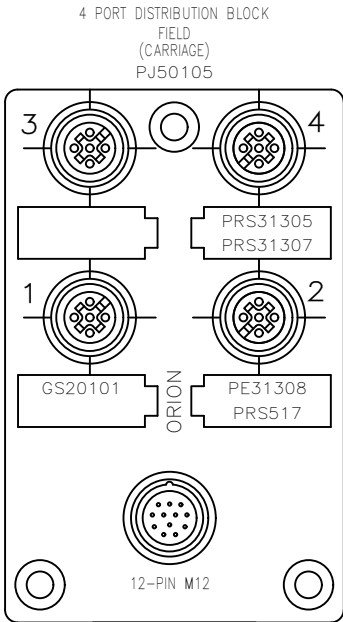
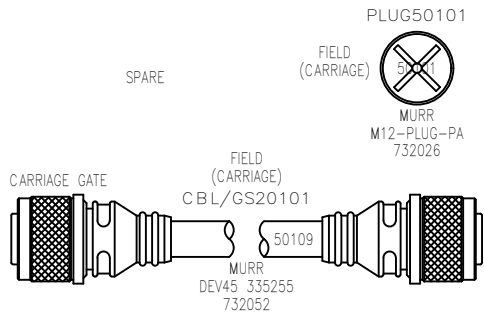
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PRS517 QD	
PIN	WIRE COLOR
1	BROWN
2	BLACK
3	BLUE
4	WHITE

WIRE COLOR	PORT#	PIN#	DEVICE TAG	WIRE#	DESCRIPTION	I/O ADDRESS
WHITE	1	4	GS20101	31301	CARRIAGE GATE OPEN	
PINK	1	2	GS20101	20101	CARRIAGE GATE CLOSED	
GREEN	2	4	PE31308	31308	CARRIAGE AUTO HEIGHT	
RED	2	2	PRS517	517	FILM BAR ANALOG PROX	
YELLOW	3	4			SPARE	
BLACK	3	2			SPARE	
GRAY	4	4	PRS31305	31305	CARRIAGE TOP LIMIT	
VIOLET	4	2	PRS31307	31307	CARRIAGE BOTTOM LIMIT	
BROWN	1	1		20005	24VDC +	
BLUE	1	3		20022	0VDC -	
RED/BLU					UNUSED	
GRY/PNK					UNUSED	

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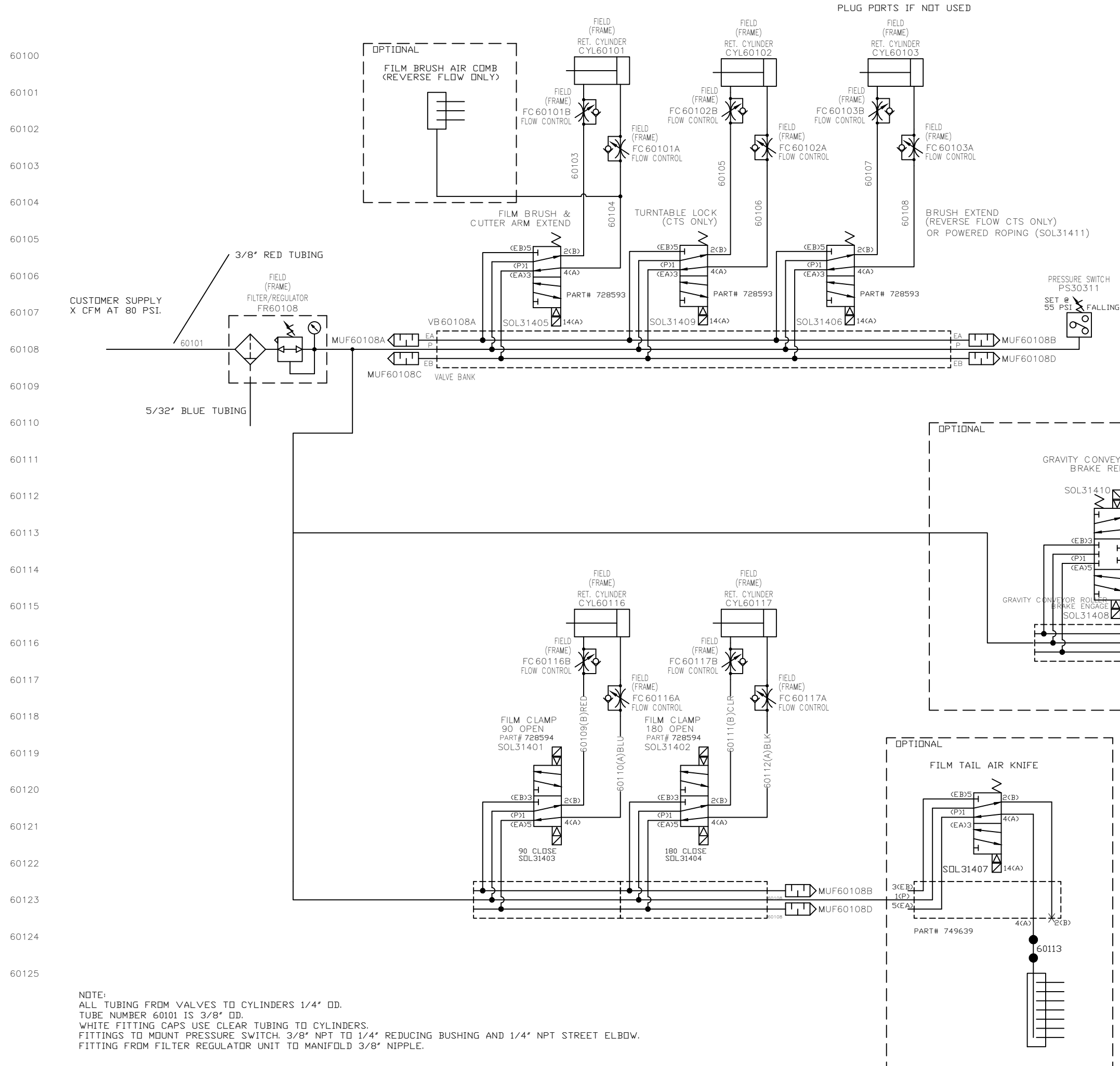
50225

RTC SLIP RING							
PORT	WIRE #	FIXED SIDE	WIRE COLOR	ROTARY SIDE	WIRE #	DEVICE TAG	DEVICE NAME
1	401	S1	BLACK	R1	401	MTR402	CARRIAGE UP/DOWN
1	402	S2	YELLOW	R2	402	MTR402	CARRIAGE UP/DOWN
1	403	S3	RED	R3	403	MTR402	CARRIAGE UP/DOWN
1	GND	S4	GREEN	R4	GND	MTR402	CARRIAGE UP/DOWN GND
2	501	S5	BLACK	R5	501	MTR502	MULTISTRETCH
2	502	S6	YELLOW	R6	502	MTR502	MULTISTRETCH
2	503	S7	RED	R7	503	MTR502	MULTISTRETCH
2	GND	S8	GREEN	R8	GND	MTR502	MULTISTRETCH GND
3	AUX	S9	RED	R9		AUX PORT	
3	AUX	S10	BLACK	R10		AUX PORT	
3	AUX	S11	YELLOW	R11		AUX PORT	
3	AUX	S12	GREEN	R12		AUX PORT	
4	20005	S13	12 PIN<1>	R13	20005		+24 VDC
4	20022	S14	12 PIN<2>	R14	20022		DC COMMON
4	31301	S15	12 PIN<3>	R15	31301	GS20101	CARRIAGE GATE OPEN
4		S16	12 PIN<4>	R16			
4	20101	S17	12 PIN<5>	R17	20101	GS20101	CARRIAGE GATE CLOSED
4	31308	S18	12 PIN<6>	R18	31308	PE31308	CARRIAGE AUTO HEIGHT
4		S19	12 PIN<7>	R19			
4	31305	S20	12 PIN<8>	R20	31305	PRS31305	CARRIAGE NOT AT TOP
4	517	S21	12 PIN<9>	R21	517	PRS517	FILM BAR ANALOG PROX
4	31307	S22	12 PIN<10>	R22	31307	PRS31307	CARRIAGE NOT AT BOTTOM
4		S23	12 PIN<11>	R23			
4		S24	12 PIN<12>	R24			

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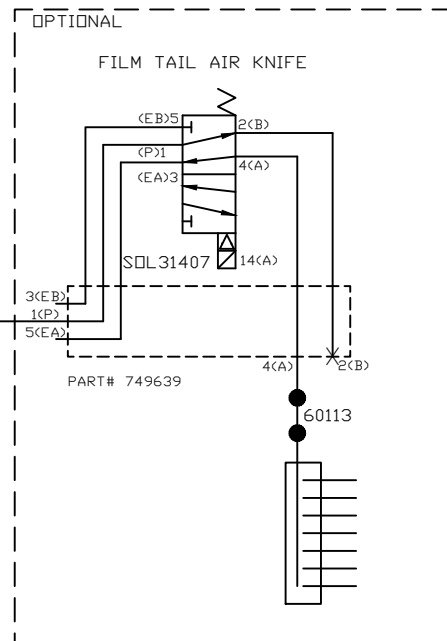
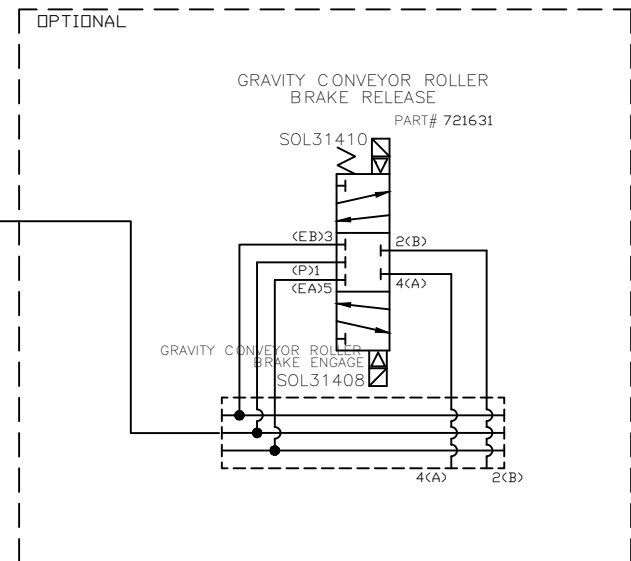
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NO.	DATE	REVISION	BY
DWG TITLE			
FLEX CTS/RTC			
CARRIAGE I/O BLOCK RTC			
ENGINEER	CHECKED BY		
JOB NO	DRAWN BY		
SCALE	NO SCALE	DATE	12/2018
DWG NO	1084105		
SHEET NO	19 OF 25		



NOTE:
ALL TUBING FROM VALVES TO CYLINDERS 1/4" OD.
TUBE NUMBER 60101 IS 3/8" OD.
WHITE FITTING CAPS USE CLEAR TUBING TO CYLINDERS.
FITTINGS TO MOUNT PRESSURE SWITCH, 3/8" NPT TO 1/4" REDUCING BUSHING AND 1/4" NPT STREET ELBOW.
FITTING FROM FILTER REGULATOR UNIT TO MANIFOLD 3/8" NIPPLE.

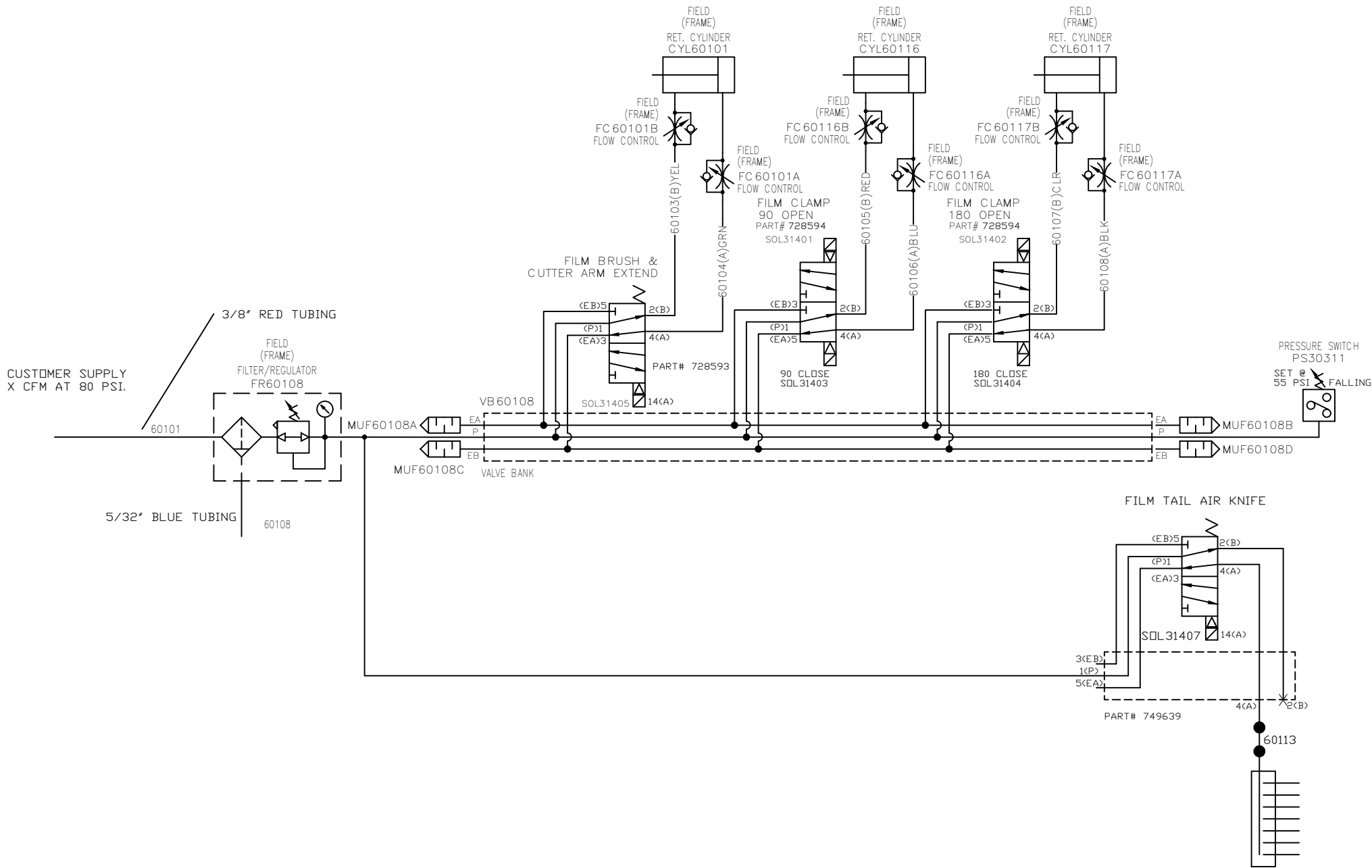
PLUG PORTS IF NOT USED



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NO.		DATE		REVISION				BY	
DWG TITLE									
<i>FLEX</i> <i>CTS/RTC</i> <i>(CTS) PNEUMATIC</i> <i>SCHEMATIC</i>									
ENGINEER					CHECKED BY				
JOB NO					DRAWN BY				
SCALE					DATE				
NO SCALE					12/2018				
DWG NO									
1084105									
SHEET NO									

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NOTE:
ALL TUBING FROM VALVES TO CYLINDERS 1/4" OD.
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FITTINGS TO MOUNT PRESSURE SWITCH. 3/8" NPT TO 1/4" REDUCING BUSHING AND 1/4" NPT STREET ELBOW.
FITTING FROM FILTER REGULATOR UNIT TO MANIFOLD 3/8" NIPPLE.

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NO.	DATE	REVISION			BY
DWG TITLE					
FLEX CTS/RTC					
(RTC) PNEUMATIC SCHEMATIC					
ENGINEER			CHECKED BY		
JOB NO			DRAWN BY		
SCALE			DATE		
NO SCALE			12/2018		
DWG NO					
1084105					
SHEET NO					
21 OF 25					

20105	
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NO WIRE TIES IN THE WIRE DUCT

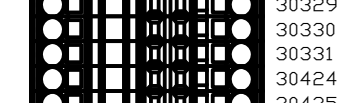
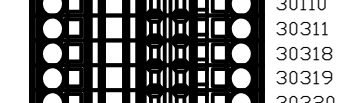
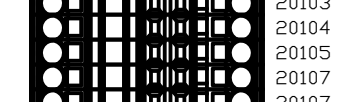
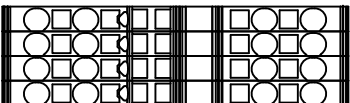
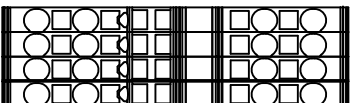
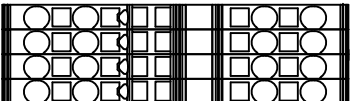
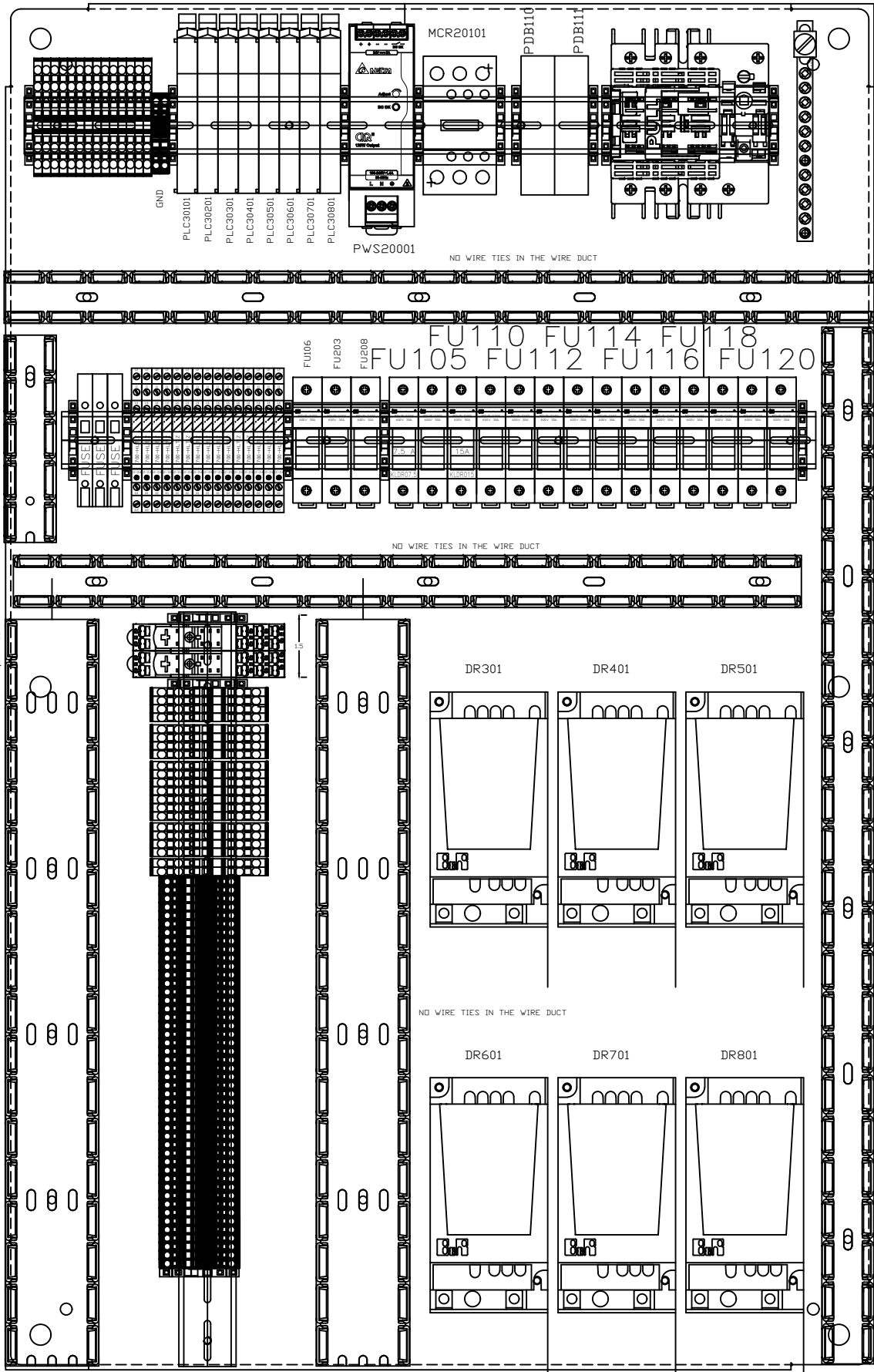
FU20004
FU20005
FU20006

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LIGHT CURTAIN OPTION CR20218
LIGHT CURTAIN OPTION CR20204

NO WIRE TIES IN THE WIRE DUCT

14 AWG GROUND (GREEN) WIRE FROM TERMINAL TO GROUND LUG OF ENCLOSURE DOOR



TAGS	QTY	SUB	ASSYCODE	MFG	CATALOG	DESCRIPTION
AH30310	1		729175	AB	EC-B24D3P1	
CR20218	2	H1	737214	AB	700-HN123	SCREW TERMINAL MINIATURE SOCKET
CR20221		H1	737215	AB	700-HPSX224	SAFETY CONTROL RELAY, DPDT, 24VDC, 8AMP, 2 POLE
CR30320	14		733320	EATON	KRUID24	TERMINAL BLOCK RELAY, 1PDT, 24VDC, 6A
CR30322						
CR30323						
CR30324						
CR30325						
CR30326						
CR30406						
CR30407						
CR30408						
CR30603						
CR30604						
CR30605						
CR30606						
CR30607						
CR20204	1		742987	PHENIX	2903334	TERMINAL BLOCK RELAY, DPDT, 24VDC
CR30327	1		750715	PHENIX	2903370	
DR401	1		742975	B & R	8144S100037.000-1	1 x 100-120VAC IN, 200-240 VAC DRIVE
DR301	1		742976	B & R	8144S100075.000-1	1 x 100-120VAC IN, 200-240 VAC DRIVE
DR701	1		750716	B & R	8144S200075.000-1	1 x 200-240VAC IN, 200-240 VAC DRIVE
DR501	3		742976	B&R	8144S100075.000-1	
DR601						
DR801	1	H1	734318	EATON	R9K3100FJ	DISCONNECT SWITCH, 3 POLE, 100 AMP, 600VAC, K-FRAME
DS101	H3		731028	LITTELFUSE	JT00701D	FUSE, CLASS J, 70 AMP, TIME DELAY
	H1		739149	EATON	SF400PHIOX10	SHAFT FOR DISCONNECT, 400MM (15.7 IN)
TB20123	1		738894	B & R	07B5104.2110-01	
TB20115	1		738883	B & R	07B6102.2110-01	
HMI20115	1		743000	B & R	4PPC70.0702-20B	
PJ323	6		743142	B & R	810XC002.100.1	
PJ423						
PJ523						
PJ623						
PJ723						
PJ823						
FU20005	2	H1	748231	ALTECH	CAFL4UKLJ/24	FUSE HOLDER, 6.3x32MM FUSES, INDICATOR
FU20006		H1	730979	LITTELFUSE	314002P	FUSE, 6.3x32mm, 2 AMP, FAST ACTING
FU20004	1	H1	748231	ALTECH	CAFL4UKLJ/24	FUSE HOLDER, 6.3x32MM FUSES, INDICATOR
	H1		748232	ALTECH	EPCAF14U	CND PLATE FOR CAFL4U SERIES FUSE BLOCK
	H1		730983	LITTELFUSE	314005P	FUSE, 6.3x32mm, 5 AMP, FAST ACTING
FU203	1	H1	742985	EATON	C383FHC	CLASS CC SINGLE POLE FUSE HOLDER
	H1		731039	LITTELFUSE	KLDR003	FUSE, CLASS CC, 3 AMP, TIME DELAY
FU208	1	H1	742985	EATON	C383FHC	CLASS CC SINGLE POLE FUSE HOLDER
	H1		731038	LITTELFUSE	KLDR002	FUSE, CLASS CC, 2 AMP, TIME DELAY
FU106	1	H1	730978	LITTELFUSE	LPSC0011D	1 POLE FUSE BLOCK - CLASS CC
	H1		731004	LITTELFUSE	CCMR012	DUAL ELEMENT FUSE - CLASS CC, 12 AMP
FU110	6	H1	730980	LITTELFUSE	LPSC0021D	2 POLE FUSE BLOCK - CLASS CC
FU112						
FU114						
FU116						
FU118						
FU120						
FU105		H3	731049	LITTELFUSE	KLDR015	FUSE, CLASS CC, 15 AMP, TIME DELAY
	H1		730980	LITTELFUSE	LPSC0021D	2 POLE FUSE BLOCK - CLASS CC
	H2		731045	LITTELFUSE	KLDR07.5	FUSE, CLASS CC, 7.5 AMP, TIME DELAY
MCR20106	2	H1	742979	EATON	XTCE009B10TD	3 POLE CONTACTOR
MCR20108		H1	742980	EATON	XTCEXFAC20	
MCR20101	1	H1	742979	EATON	XTCE009B10TD	3 POLE CONTACTOR
	H1		746863	EATON	XTCEXFAC40	4 POLE CONTACT
PBLT20101	1	H1	742983	EATON	M22-DL-G	PUSH BUTTON - MOMENTARY, FLUSH, GREEN, NEMA 4X/13
	H2		737822	EATON	M22-K10	CONTACT BLOCK, 1 NO
	H1		742983	EATON	M22-DL-G	PUSH BUTTON - MOMENTARY, FLUSH, GREEN, NEMA 4X/13
	H1		732103	EATON	M22-LED-G	LIGHT UNIT
ESLT20101	1	H1	742981	EATON	M22-PVL	PUSH BUTTON - MUSHROOM, NEMA 4X/13
	H1		737822	EATON	M22-K10	CONTACT BLOCK, 1 NO
	H1		742982	EATON	M22-K01	CONTACT BLOCK, 1 NC
	H1		742984	EATON	M22-LED-R	LIGHT UNIT
PLC30101	2	H1	731535	B & R	X20BR9300	X20 BUS RECEIVER, X2X LINK BUS RECEIVER, 24VDC
PLC31101		H1	742087	B & R	X20BM01	
	H1		742088	B & R	X20TB12	
PLC30701	1	H1	738990	B & R	X20CS1030	X20 INTERFACE MODULE, 1-PORT RS422/485, 24VDC, 11520bits
	H1		742083	B & R	X20BM11	PLC B&R BUS MODULE
PLC30201	4	H1	742084	B & R	X20IF371	16 POINT X20 INPUT MODULE
PLC30301		H1	742083	B & R	X20BM11	PLC B&R BUS MODULE
PLC31201		H1	742082	B & R	X20TB1F	16 PIN TERMINAL BLOCK
PLC31301		H1	743726	B & R	X20DO6639	X20 OUTPUT MODULE, 6-PT NO RELAY, 240VAC 2A, 30VDC 2A,
	H1		743727	B & R	X20TB32	6 RELAY OUTPUT TERMINAL BLOCK
	H1		743728	B & R	X20BM12	PLC B&R BUS MODULE
PLC30401	3	H1	742996	B & R	X20DO9322	X20 OUTPUT MODULE, 12-PT DIGITAL SOURCE, 24VDC
PLC30601		H1	742083	B & R	X20BM11	PLC B&R BUS MODULE
PLC31401		H1	742088	B & R	X20TB12	
PLC30501	1	H1	738899	B & R	X20PS2100	X20 POWER SUPPLY, FOR INTERNAL I/O, 24VDC,
	H1		742087	B & R	X20BM01	
	H1		742088	B & R	X20TB12	
PWS20001	1		743729	DELTA	DRP024V120W1AA	POWER SUPPLY, 1 PH, 120VAC IN - 24VDC 5 AMP OUT
R420	1		ANY	120 OHM	0.25 W	
	18		742993	PHENIX	3209578	
CBL30702	12		743145	HARTFIEL	THC50961	
CBL20123	3		743144	HARTFIEL	THC50967	
XFI05	1		736869	HAMMOND	C1FC75LES	TRANSFORMER, 1PH 0.75KVA, 60HZ, 240/480V - 120/240V, NEMA 3R

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NO.	DATE	REVISION	BY
DWG TITLE			
FLEX CTS/RTC			
ENCLOSURES AND PANEL AND BOM			
ENGINEER	CHECKED BY		
JOB NO	DRAWN BY		
SCALE	DATE		
DWG NO	12/2018		
1084105			
SHEET NO			
22 OF 25			

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FIELD FRAME BOM

TAGS	QTY	SUB	ASSYCODE	MFG	CATALOG	DESCRIPTION
FC60103C	2	✖1	735512	SMC	AS2201F-N01-07SD	
		✖1	743171	SMC	K02C-07W-B	
FC60102C	2	✖1	735512	SMC	AS2201F-N01-07SD	
		✖1	743170	SMC	K02C-07B-B	
FC60102 FC60102A FC60103B	8	✖1	735512	SMC	AS2201F-N01-07SD	
		✖1	743172	SMC	K02C-07R-B	
FC60101 FC60102B FC60103A	8	✖1	735512	SMC	AS2201F-N01-07SD	
		✖1	743169	SMC	K02C-07BU-B	
FR60108	2		728999	SMC	AW20-N02CE-CZ-B	
GS20101	1	✖1	739147	SICK	1059505/RE21-SAC	MAGNETIC SAFETY SWITCH WITH ACTUATOR, 1ND INC, M8 QD
		✖1	732053	MURR	DEV45 335255	PATCH-CABLE, 4 PIN, STRAIGHT M12 MALE TO M8 FEM, 0.6M, PINS 1 & 3 JUMPED
GS20107 GS20108	2		739147	SICK	1059505/RE21-SAC	MAGNETIC SAFETY SWITCH WITH ACTUATOR, 1ND INC, M8 QD
GS20107 GS20108 LS31309	3	✖1	019340	TELEMECANIQUE	XCMD2145M12	LIMIT SWITCH XCM-D - ADJUSTABLE ROLLER LEVER - 1 DC
		✖1	738870	MURR	7000-12221-0140500	
CYL60101 CYL60102A CYL60102B CYL60102C MTR302 MTR502 MTR602 MTR702 MTR802	15		SEE	MECHANICAL	BDM	
PCS30201	1		017065	REES	04958-100	
PE30202 PE30209 PE31201 PE31203 PE31204 PE31205 PE31208 PE31210 PE31211 PE31212 PE31213 PE31308	12	✖1	730306	SICK	1029850/WL14-2P430S03	PHOTO EYE SENSOR, REFLEX, 0.5-5m RANGE, PNP, M12, LD/DD
		✖1	730307	SICK	2039697/MB-M30-W14/18	ADAPTER BRACKET, W14/18 TO M30
		✖1	716301	SICK	7022976/MB-W2000B	MOUNTING BRACKET, 30mm ROTATABLE
		✖1	016103	SICK	7123555/P975M	REFLECTOR, 84mm ROUND, CENTER HOLE MOUNT, PLASTIC W/METAL BACK
		✖2	738870	MURR	7000-12221-0140500	CABLE, 4 PIN, M12 FEMALE STRAIGHT, 5 METER, FLYING LEADS, YELLOW
PE31206 PE31207	2		017303	SICK	6020772/WT260-R280	PHOTO EYE SENSOR, DIFFUSE, ADJ 10-3500mm RANGE, PNP, LD/DD
PRS31304 PRS31306 PRS31310	3	✖1	728707	SICK	1041046/IME30-20NPSZC0S	M30 PROX SENSOR, NON-SHLD, 20mm RANGE, PNP NO, M12
		✖1	738870	MURR	7000-12221-0140500	
PS31303	1		721162	SMC	IS10-N01-6LP	
SDL31401 SDL31402 SDL31403 SDL31404 SDL31405 SDL31406 SDL31407 SDL31408 SDL31409 SDL31410	10		728593	SMC	SY5120-SW0Z-N7T	
CBL20204	1	✖10	098087	BELDEN	8489 18/4C	
CBL205	1	✖0	743010	CABLE	18/2 SJD0W	
CBL203	1	✖0	727500	CABLE	18/3 SJE00W	
CBL401	1	✖0	739676	LUTZE	111371	
CBL301 CBL501 CBL601 CBL701 CBL801	5	✖0	730915	SOUTH WIRE	16/4 SLE00W	
XF203	1		019387	SQUARE D	250SV43B	

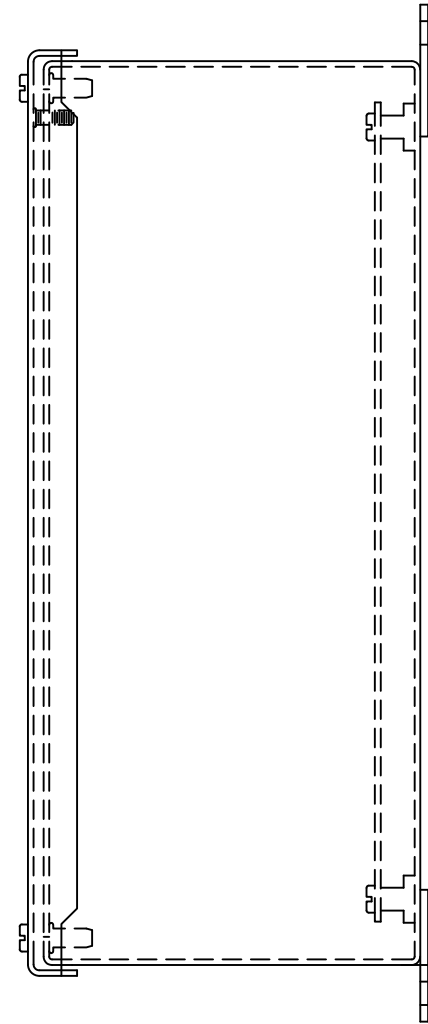
FIELD CARRIAGE BOM

TAGS	QTY	SUB	ASSYCODE	MFG	CATALOG	DESCRIPTION
CBL/GS20101	1		732053	MURR	DEV45 335255	PATCH-CABLE, 4 PIN, STRAIGHT M12 MALE TO M8 FEM, 0.6M, PINS 1 & 3 JUMPED
PLUG50101 PLUG50102 PLUG50103	3		732026	MURR	M12-PLUG-PA	
CBL/PRS31308	1		732050	MURR	7000-40021-2240100	PATCH-CABLE, 4 PIN, STRAIGHT M12 MALE TO FEMALE, 1M, GRAY
CBL/PRSS517	1		743147	MURR	7000-40121-2240060	PATCH-CABLE, 4 PIN, STRAIGHT M12 MALE TO 90-DEG FEMALE, 0.6M, GRAY
CBL/PRS31305 CBL/PRS31307	2		732049	MURR	7000-40121-2240100	PATCH-CABLE, 4 PIN, STRAIGHT M12 MALE TO 90-DEG FEMALE, 1M, GRAY
PJ50100	1		732045	MURR	8000-88510-3980500	
GS20101	1		739147	SICK	1059505/RE21-SAC	MAGNETIC SAFETY SWITCH WITH ACTUATOR, 1ND INC, M8 QD
HW119 MTR402	2		SEE	MECHANICAL	BDM	
PRS517	1		731785	IFM	IG6083	M18 PROX SENSOR, UN-SHIELDED, 0.8-8mm RANGE, 4-20mA ANALDG, 3-WIRE, M12
PRS31305 PRS31307	2		731955	SICK	1041033/IME30-15BPO-ZC0K	

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NO.	DATE	REVISION	BY		
DWG TITLE					
FLEX CTS/RTC					
MACHINE FIELD AND CARRIAGE BOM					
ENGINEER		CHECKED BY			
JOB NO		DRAWN BY			
SCALE		DATE			
NO SCALE		12/2018			
DWG NO		1084105			
SHEET NO		23 OF 25			



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