

1

2

3

4

5

6

7

8

A

B

C

D

BERKSHIRE GREY - BEDFORD, MA

STANDALONE BOX LIFTER

BG PN# 115095

BOX LIFTER INTERCONNECT		
DWG	SHEET	DWG DESCRIPTION
115095-00	00	TITLE PAGE
115095-01	01	DRAWING NOTES
115095-02	02	SYSTEM LOGICAL TOPOLOGY
115095-03	03	SYSTEM PHYSICAL TOPOLOGY
115095-04	04	MOTOR 1 WIRING
115095-05	05	MOTOR 2 WIRING
115095-06	06	INTERROLL MULTICONTROL CARD ASI WIRING
115095-07	07	INTERROLL MCC MOTOR-DRIVEN-ROLLER WIRING
115095-08	08	INTERROLL MCC SENSOR WIRING
115095-09	09	INTERROLL MCC COMMUNICATIONS WIRING
115095-10	10	LIGHT CURTAIN WIRING
115095-11	11	PUSH BUTTON ENCLOSURE WIRING
115095-12	12	STACK LIGHT WIRING
115095-13	13	RELAY BOX WIRING - BG SIDE
115095-14	14	RELAY BOX WIRING - CUSTOMER SIDE

				<div><div><div><div>BG</div><div>BERKSHIRE GREY</div></div><div><div>140 SOUTH ROAD</div><div>BEDFORD, MA 01730</div></div></div><div><div>THIS DRAWING IS THE PROPERTY OF BERKSHIRE GREY INC. NEITHER THE DRAWING, NOR INFORMATION DERIVED FROM IT IS TO BE GIVEN TO OTHERS. NO USE IS TO BE MADE OF IT WHICH IS OR MAY BE INJURIOUS TO BERKSHIRE GREY.</div></div></div>	<div><div>DATE2024-08-01</div><div>SCALEN/A</div><div>DRAWNTFP</div><div>APPROVED</div></div>	<div>BOX LIFTER</div> <div>INTERCONNECT DRAWING PACKAGE</div> <div>TITLE PAGE</div>	<div>REV</div> <div>D</div>	<div>SECT. PREV.</div> <div>SHEET NEXT</div>	<div>TITLE</div> <div>00</div> <div>01</div>	<div>JOB# 117705</div> <div>DWG 117705-00</div>
--	--	--	--	--	---	---	-----------------------------	--	--	---

1				2				3				4				5				6				7				8			
STANDARDIZED WIRE COLOR CHART																															
MTW (ENCLOSURE)														THHN (FIELD)																	
COLOR	CODE #	AWG	USE	COLOR	CODE #	AWG	USE	COLOR	CODE #	AWG	USE	COLOR	CODE #	AWG	USE																
RED	1	18	AC CONTROL CIRCUITS AT LESS THAN LINE VOLTAGE	GREY (GRY)	50	18	GROUNDED CIRCUIT CONDUCTOR (2ND SOURCE NEUTRAL)	RED	101	18	AC CONTROL CIRCUITS AT LESS THAN LINE VOLTAGE	GREY (GRY)	150	18	GROUNDED CIRCUIT CONDUCTOR (2ND SOURCE NEUTRAL)																
	2	16			51	16			102	16			151	16																	
	3	14			52	14			103	14			152	14																	
	4	12			53	12			104	12			153	12																	
	5	10			54	10			105	10			154	10																	
	6	8			55	8			106	8			155	8																	
	7	6			56	6			107	6			156	6																	
WHITE	8	18	GROUNDED CIRCUIT CONDUCTOR (NEUTRAL)	GREEN (GRN)	57	14	EQUIPMENT GROUNDING WHERE INSULATED OR COVERED (OPTIONAL ONE OR MORE YELLOW STRIPES)	WHITE	108	18	GROUNDED CIRCUIT CONDUCTOR (NEUTRAL)	GREEN (GRN)	157	14	EQUIPMENT GROUNDING WHERE INSULATED OR COVERED (OPTIONAL ONE OR MORE YELLOW STRIPES)																
	9	16			58	12			109	16			158	12																	
	10	14			59	10			110	14			159	10																	
	11	12			60	8			111	12			160	8																	
	12	10			61	6			112	10			161	6																	
	13	8			62	18			113	8			162	18																	
	14	6			63	16			114	6			163	16																	
ORANGE (ORG)	15	18	AC INPUT CIRCUITS AT LESS THAN LINE VOLTAGE	BLACK (BLK)	64	14	LINE, LOAD AND CONTROL CIRCUITS AT LINE VOLTAGE	ORANGE (ORG)	115	18	AC INPUT CIRCUITS AT LESS THAN LINE VOLTAGE	BLACK (BLK)	164	14	LINE, LOAD AND CONTROL CIRCUITS AT LINE VOLTAGE																
	16	16			65	12			116	16			165	12																	
	17	14			66	10			117	14			166	10																	
	18	12			67	8			118	12			167	8																	
	19	10			68	6			119	10			168	6																	
PURPLE (PURP)	20	18	AC OUTPUT CIRCUITS AT LESS THAN LINE VOLTAGE		69	4		PURPLE (PUR)	120	18	AC OUTPUT CIRCUITS AT LESS THAN LINE VOLTAGE		169	4																	
	21	16			70	3			121	16			170	3																	
	22	14			71	2			122	14			171	2																	
	23	12			72	1			123	12			172	1																	
	24	10			73	1/0			124	10			173	1/0																	
BLU (BLU)	25	18	DC (+) CONTROL CIRCUIT		74	2/0		BLUE (BLU)	125	18	DC (+) CONTROL CIRCUIT		174	2/0																	
	26	16			75	3/0			126	16			175	3/0																	
	27	14			76	4/0			127	14			176	4/0																	
	28	12			77				128	12			177	250																	
WHT/BLUE (WHT/BLU)	29	10	DC (-) COMMON CONDUCTOR		78			WHT/BLUE (WHT/BLU)	129	10	DC (-) COMMON CONDUCTOR		178	300																	
	30	18		79		130	18		179	350																					
	31	16		80		131	16		180	400																					
	32	14		81		132	14		181	500																					
	33	12		82		133	12		182	600																					
YELLOW (YEL)	34	10	INTERLOCK CONTROL CIRCUITS SUPPLIED FROM EXTERNAL SOURCE	83		YELLOW (YEL)	134	10	INTERLOCK CONTROL CIRCUITS SUPPLIED FROM EXTERNAL SOURCE	183	700																				
	35	18		84			135	18		184	750																				
	36	16		85			136	16		185	800																				
	37	14		86			137	14		186	900																				
	38	12		87			138	12		187	1000																				
BROWN (BRN)	39	10	ISOLATED XFMR CONTROL CIRCUITS AT LESS THAN LINE VOLTAGE UNGROUNDED COND.	88		BROWN (BRN)	139	10	ISOLATED XFMR CONTROL CIRCUITS AT LESS THAN LINE VOLTAGE UNGROUNDED COND.	188																					
	40	18		89			140	18		189																					
	41	16		90			141	16		190																					
	42	14		91			142	14		191																					
	43	12		92			143	12		192																					
BROWN W/ORG TAPE OR BROWN W/ ORG STRIPE	44	10	ISOLATED XFMR CONTROL CIRCUITS AT LESS THAN LINE VOLTAGE UNGROUNDED COND.	93		BROWN W/ORG TAPE OR BROWN W/ ORG STRIPE	144	10	ISOLATED XFMR CONTROL CIRCUITS AT LESS THAN LINE VOLTAGE UNGROUNDED COND.	193																					
	45	18		94			145	18		194																					
	46	16		95			146	16		195																					
	47	14		96			147	14		196																					
	48	12		97			148	12		197																					
49	10	98		149	10	198																									

PANEL LOCATION REFERENCE

SHEET REFERENCE

LINE REFERENCE

A1024

SHEET CROSS REFERENCE

FAMILY CODE

SHEET INDICATOR

LINE INDICATOR

DV1025

COMPONENT LABEL


WIRE ORIGIN SHEET REFERENCE

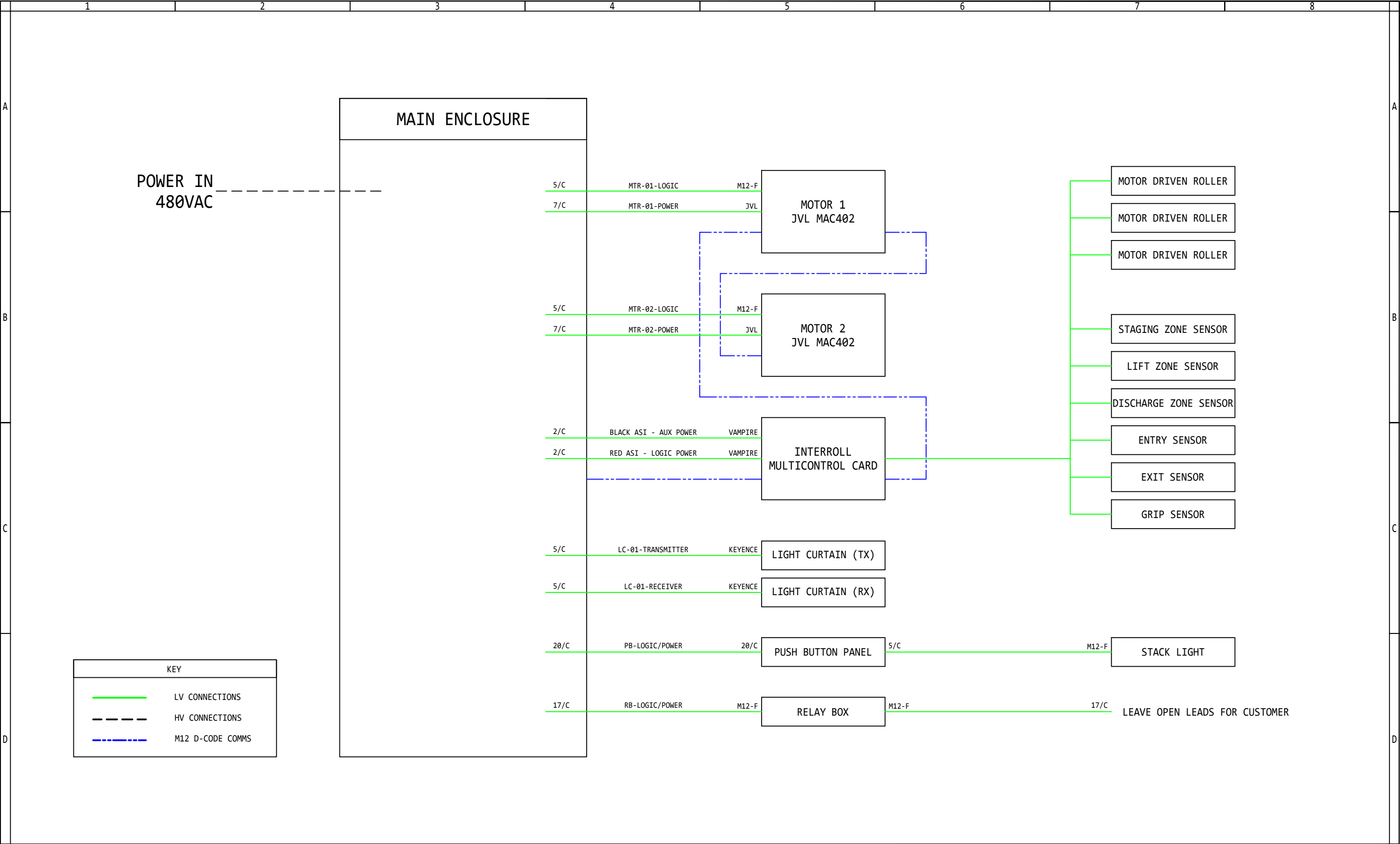
WIRE ORIGIN LINE REFERENCE

SEQUENTIAL PLACE HOLDER


10652

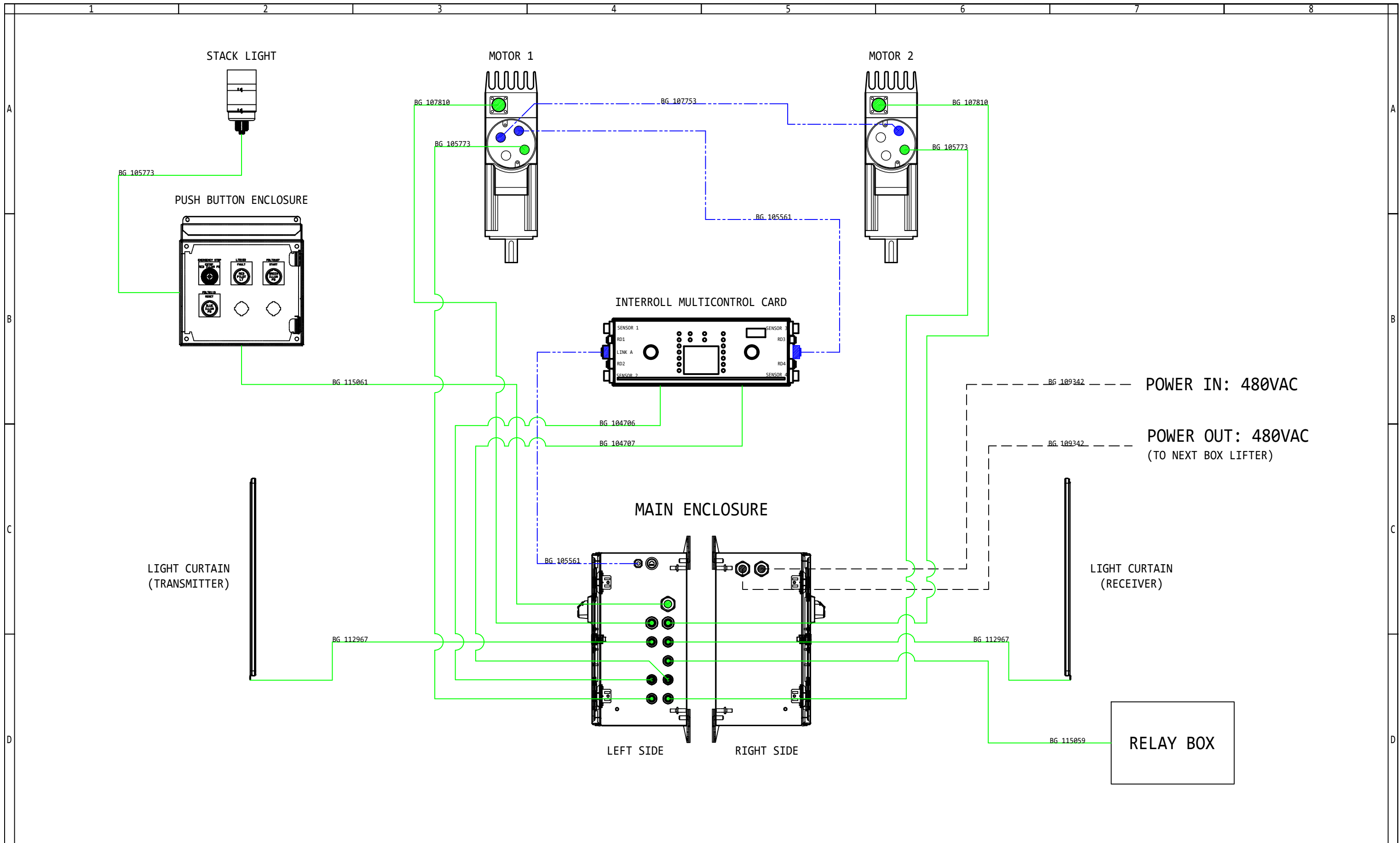
WIRE LABEL


				 <div>BERKSHIRE GREY</div> <div>140 SOUTH ROAD BEDFORD, MA 01730</div>	THIS DRAWING IS THE PROPERTY OF BERKSHIRE GREY INC. NEITHER THE DRAWING, NOR INFORMATION DERIVED FROM IT IS TO BE GIVEN TO OTHERS. NO USE IS TO BE MADE OF IT WHICH IS OR MAY BE INJURIOUS TO BERKSHIRE GREY.	DATE	2024-08-01	BOX LIFTER INTERCONNECT DRAWING PACKAGE DRAWING NOTES	REV	SECT. REFERENCE	JOB# 117705
A:C	VARIOUS	N/A	PRE-OMNIFY RELEASE; NO INFORMATION			SCALE	N/A		PREV.	00	DWG 117705-01
D	2024-08-01	TFP	DOCUMENT RELEASE ON OMNIFY			DRAWN	TFP		SHEET	01	
REV	DATE	ENGR.	DESCRIPTION			APPROVED			NEXT	02	

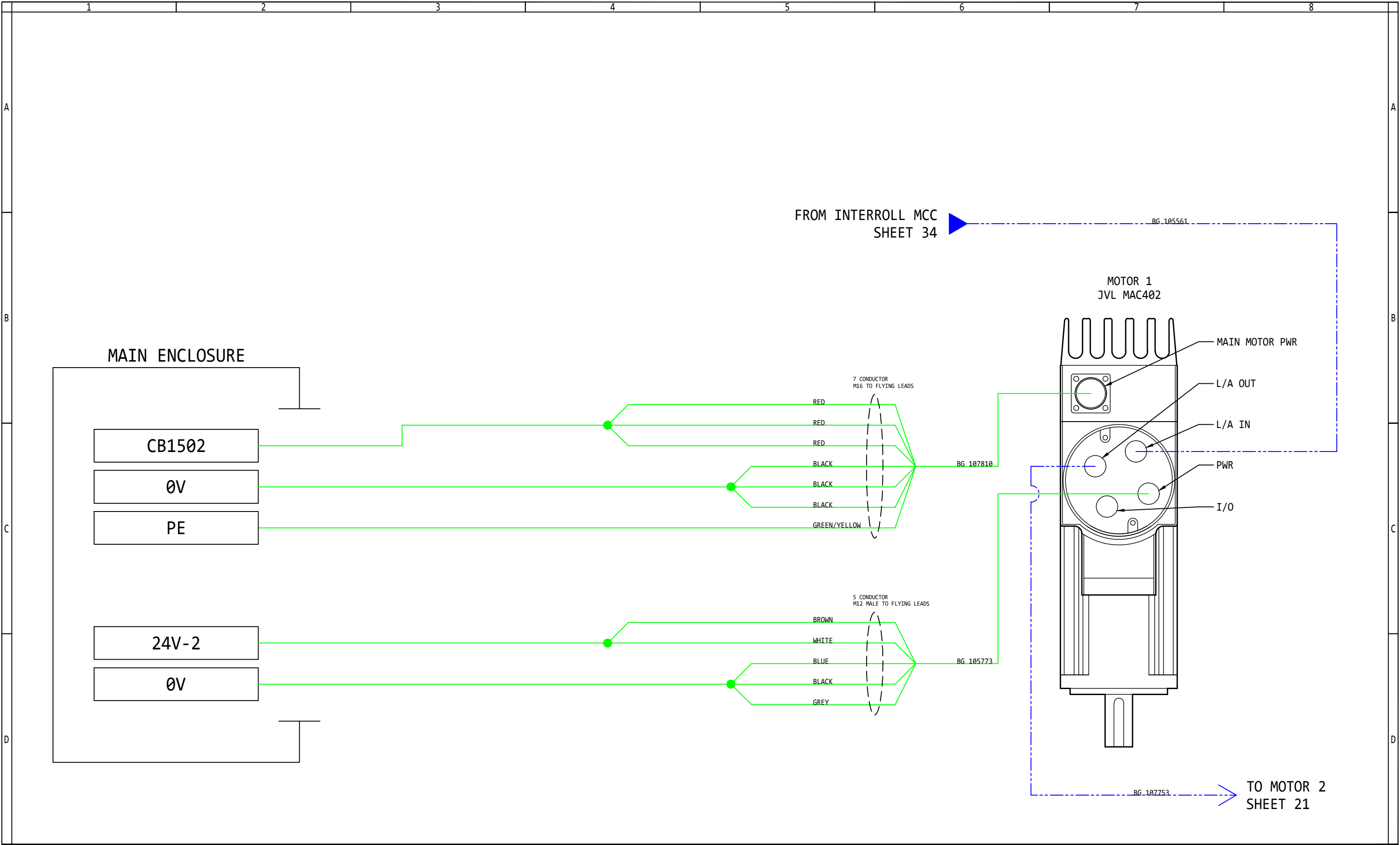


KEY	
—	LV CONNECTIONS
---	HV CONNECTIONS
---	M12 D-CODE COMMS

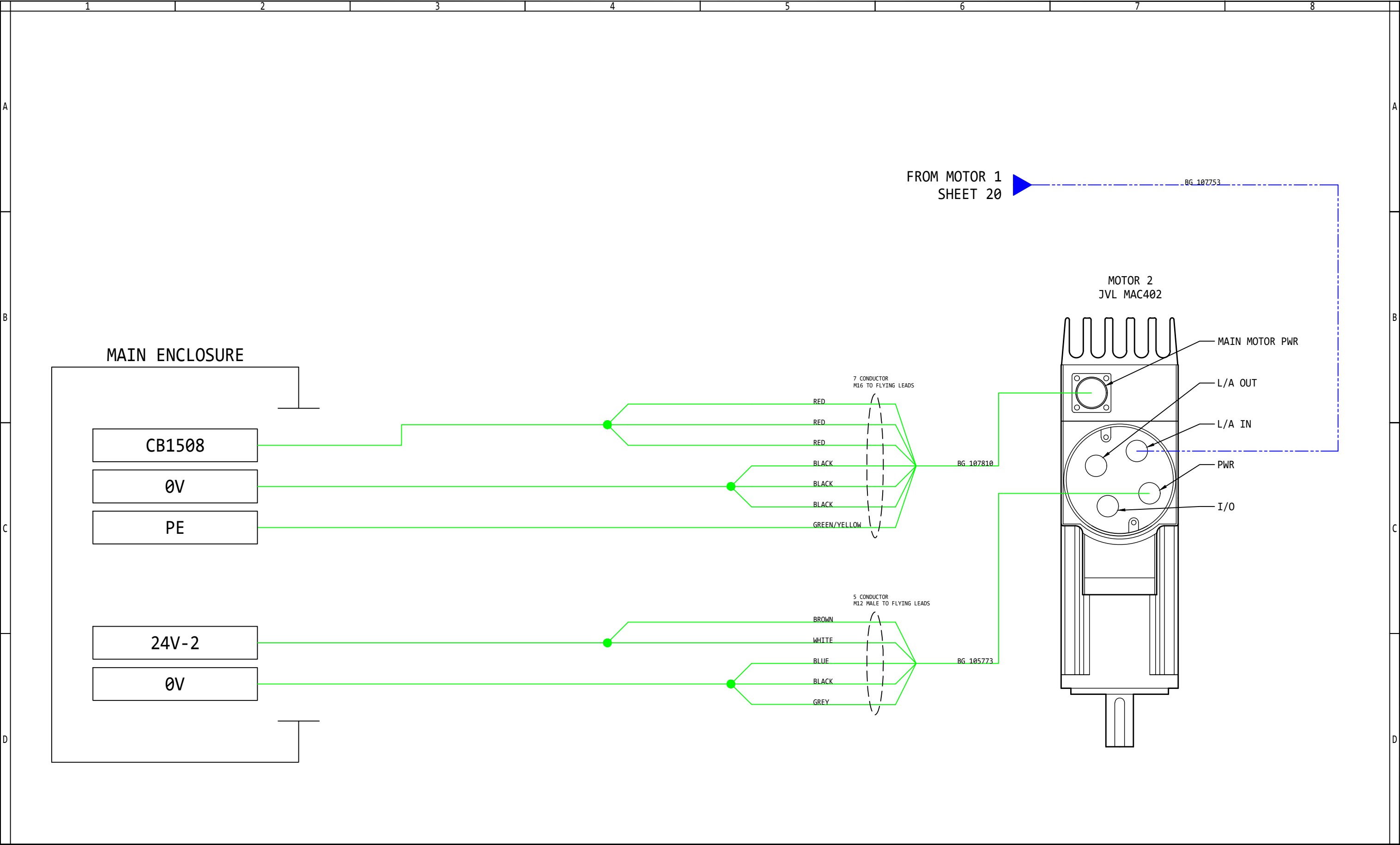
				 <div>BERKSHIRE GREY</div> <div>140 SOUTH ROAD BEDFORD, MA 01730</div>	THIS DRAWING IS THE PROPERTY OF BERKSHIRE GREY INC. NEITHER THE DRAWING, NOR INFORMATION DERIVED FROM IT IS TO BE GIVEN TO OTHERS. NO USE IS TO BE MADE OF IT WHICH IS OR MAY BE INJURIOUS TO BERKSHIRE GREY.	DATE	2024-08-01	BOX LIFTER INTERCONNECT DRAWING PACKAGE SYSTEM LOGICAL TOPOLOGY	REV	SECT. OVERVIEW	JOB# 117705
A:C	VARIOUS	N/A	PRE-OMNIFY RELEASE; NO INFORMATION			SCALE	N/A			PREV. 01	
D	2024-08-01	TFP	DOCUMENT RELEASE ON OMNIFY			DRAWN	TFP		D	SHEET 02	DWG 117705-02
REV	DATE	ENGR.	DESCRIPTION			APPROVED				NEXT 03	




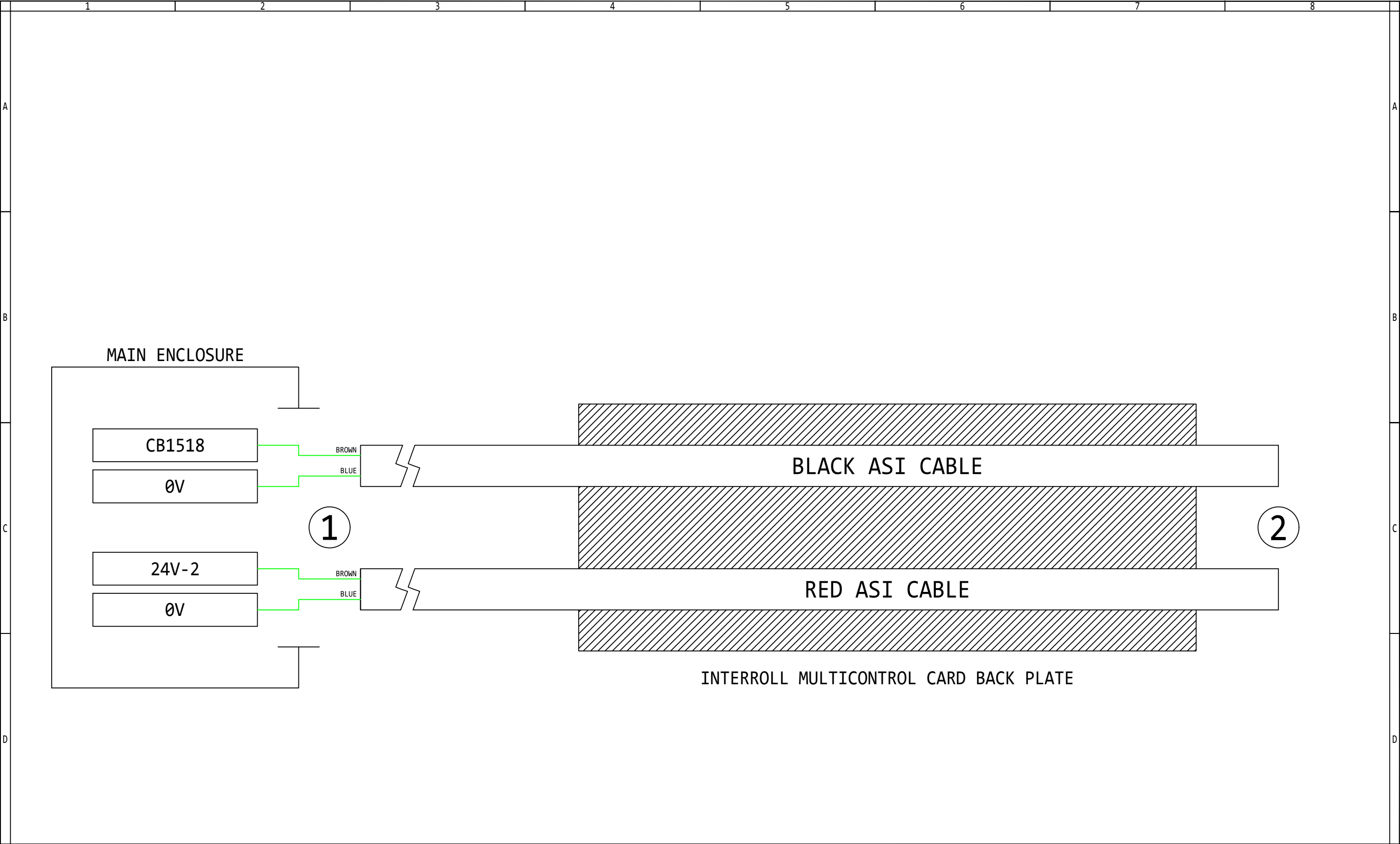
				 <div>BERKSHIRE GREY</div> <div>140 SOUTH ROAD BEDFORD, MA 01730</div>	THIS DRAWING IS THE PROPERTY OF BERKSHIRE GREY INC. NEITHER THE DRAWING, NOR INFORMATION DERIVED FROM IT IS TO BE GIVEN TO OTHERS. NO USE IS TO BE MADE OF IT WHICH IS OR MAY BE INJURIOUS TO BERKSHIRE GREY.	DATE2024-08-01		BOX LIFTER INTERCONNECT DRAWING PACKAGE SYSTEM PHYSICAL TOPOLOGY	REV	SECT. OVERVIEW	JOB# 117705
A:C	VARIOUS	N/A	PRE-OMNIFY RELEASE; NO INFORMATION			SCALE	N/A			PREV.	02
D	2024-08-01	TFP	DOCUMENT RELEASE ON OMNIFY			DRAWN	TFP		SHEET	03	DWG 117705-03
REV	DATE	ENGR.	DESCRIPTION			APPROVED			D	NEXT 04	



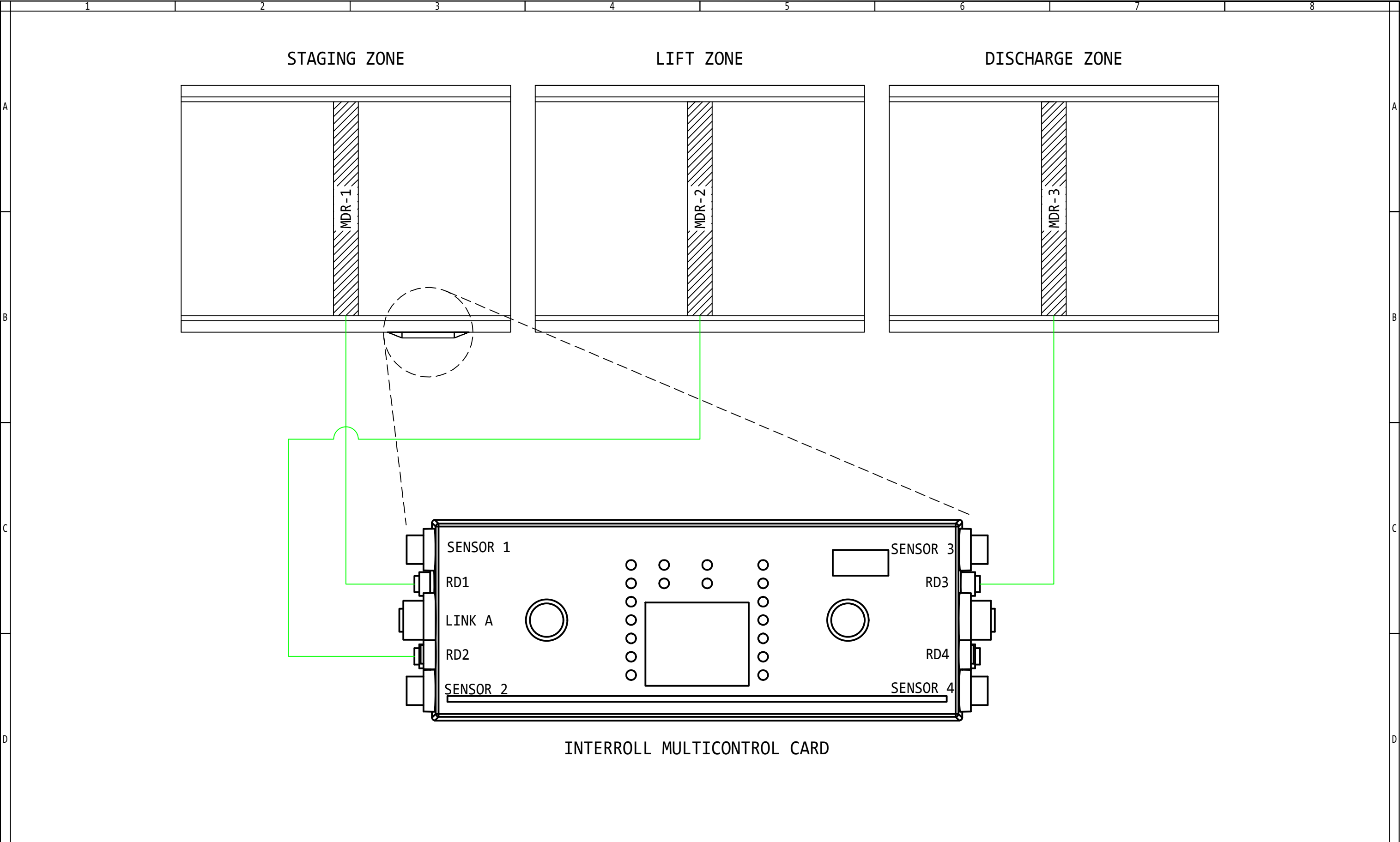
				<div><div>BG</div><div>BERKSHIRE GREY</div><div>140 SOUTH ROAD BEDFORD, MA 01730</div></div>	THIS DRAWING IS THE PROPERTY OF BERKSHIRE GREY INC. NEITHER THE DRAWING, NOR INFORMATION DERIVED FROM IT IS TO BE GIVEN TO OTHERS. NO USE IS TO BE MADE OF IT WHICH IS OR MAY BE INJURIOUS TO BERKSHIRE GREY.	DATE	2024-08-01	BOX LIFTER INTERCONNECT DRAWING PACKAGE MOTOR 1 WIRING	REV	SECT.	DETAIL	JOB# 117705
A:C	VARIOUS	N/A	PRE-OMNIFY RELEASE; NO INFORMATION			SCALE	N/A			PREV.	03	
D	2024-08-01	TFP	DOCUMENT RELEASE ON OMNIFY			DRAWN	TFP		D	SHEET	04	DWG 117705-04
REV	DATE	ENGR.	DESCRIPTION			APPROVED				NEXT	05	



				 <div>BERKSHIRE GREY</div> <div>140 SOUTH ROAD BEDFORD, MA 01730</div>	THIS DRAWING IS THE PROPERTY OF BERKSHIRE GREY INC. NEITHER THE DRAWING, NOR INFORMATION DERIVED FROM IT IS TO BE GIVEN TO OTHERS. NO USE IS TO BE MADE OF IT WHICH IS OR MAY BE INJURIOUS TO BERKSHIRE GREY.	DATE	2024-08-01	BOX LIFTER INTERCONNECT DRAWING PACKAGE MOTOR 2 WIRING	REV	SECT.	DETAIL	JOB# 117705
A:C	VARIOUS	N/A	PRE-OMNIFY RELEASE; NO INFORMATION			SCALE	N/A			PREV.	04	
D	2024-08-01	TFP	DOCUMENT RELEASE ON OMNIFY			DRAWN	TFP			SHEET	05	
REV	DATE	ENGR.	DESCRIPTION			APPROVED				NEXT	06	DWG 117705-05



				<div><div><div>BG</div><div>BERKSHIRE GREY</div></div><div>140 SOUTH ROAD BEDFORD, MA 01730</div></div>	THIS DRAWING IS THE PROPERTY OF BERKSHIRE GREY INC. NEITHER THE DRAWING, NOR INFORMATION DERIVED FROM IT IS TO BE GIVEN TO OTHERS. NO USE IS TO BE MADE OF IT WHICH IS OR MAY BE INJURIOUS TO BERKSHIRE GREY.	DATE	2024-08-01	BOX LIFTER INTERCONNECT DRAWING PACKAGE INTERROLL MULTICONTROL CARD ASI WIRING			REV	SECT.	DETAIL	JOB#	117705
A:C	VARIOUS	N/A	PRE-OMNIFY RELEASE; NO INFORMATION			SCALE	N/A				PREV.	05			
D	2024-08-01	TFP	DOCUMENT RELEASE ON OMNIFY			DRAWN	TFP				SHEET	06			
REV	DATE	ENGR.	DESCRIPTION			APPROVED					NEXT	07	DWG	117705-06	



A:C	VARIOUS	N/A	PRE-OMNIFY RELEASE; NO INFORMATION
D	2024-08-01	TFP	DOCUMENT RELEASE ON OMNIFY
REV	DATE	ENGR.	DESCRIPTION



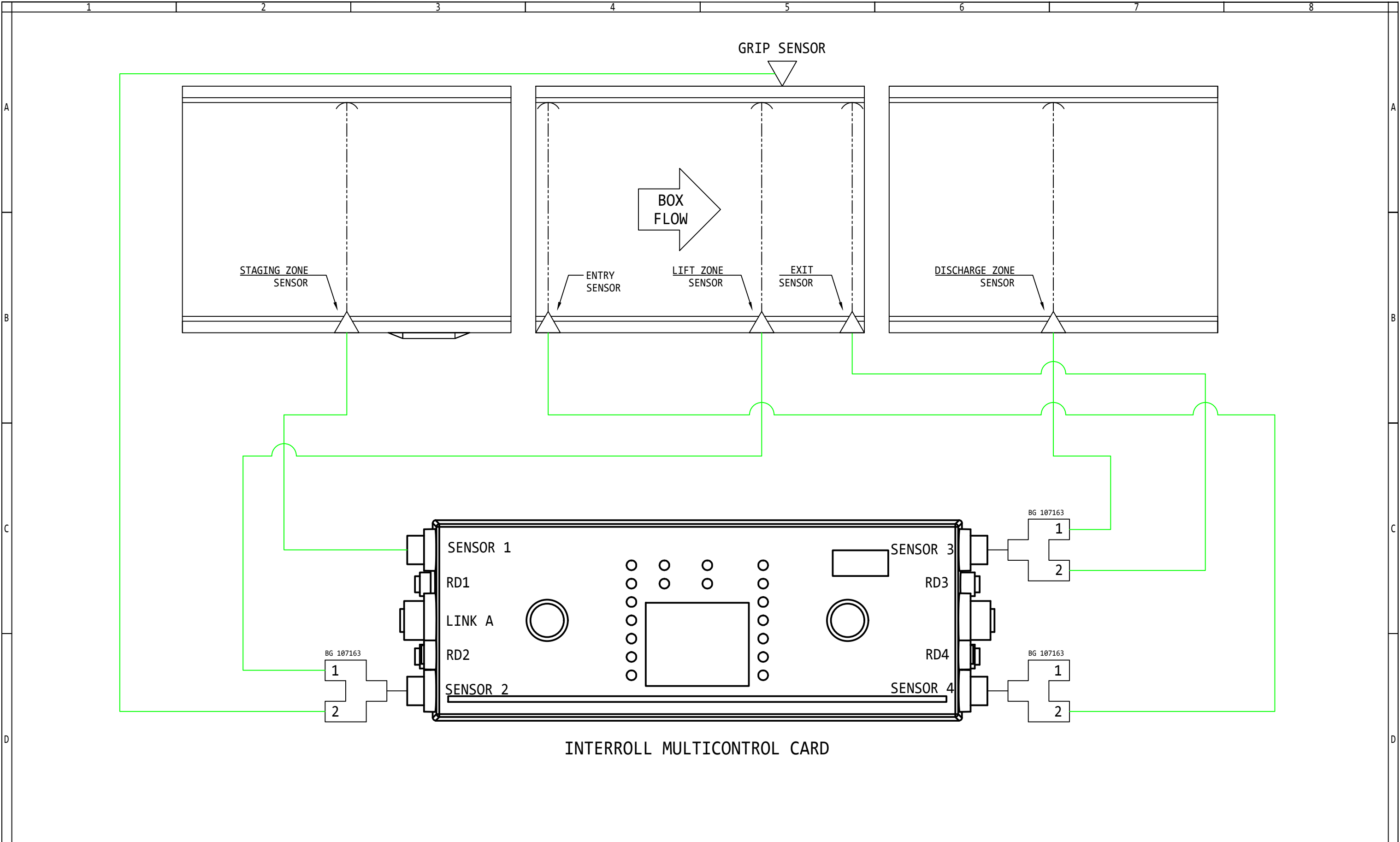
THIS DRAWING IS THE PROPERTY OF
BERKSHIRE GREY INC. NEITHER THE
DRAWING, NOR INFORMATION DERIVED FROM
IT IS TO BE GIVEN TO OTHERS. NO USE IS
TO BE MADE OF IT WHICH IS OR MAY BE
INJURIOUS TO BERKSHIRE GREY.

DATE	2024-08-01
SCALE	N/A
DRAWN	TFP
APPROVED	

BOX LIFTER
INTERCONNECT DRAWING PACKAGE
INTERROLL MCC MOTOR-DRIVEN-ROLLER WIRING

REV	SECT.	DETAIL
	PREV.	06
D	SHEET	07
	NEXT	08

JOB#	117705
DWG	117705-07



A:C	VARIOUS	N/A	PRE-OMNIFY RELEASE; NO INFORMATION
D	2024-08-01	TFP	DOCUMENT RELEASE ON OMNIFY
REV	DATE	ENGR.	DESCRIPTION



THIS DRAWING IS THE PROPERTY OF
BERKSHIRE GREY INC. NEITHER THE
DRAWING, NOR INFORMATION DERIVED FROM
IT IS TO BE GIVEN TO OTHERS. NO USE IS
TO BE MADE OF IT WHICH IS OR MAY BE
INJURIOUS TO BERKSHIRE GREY.

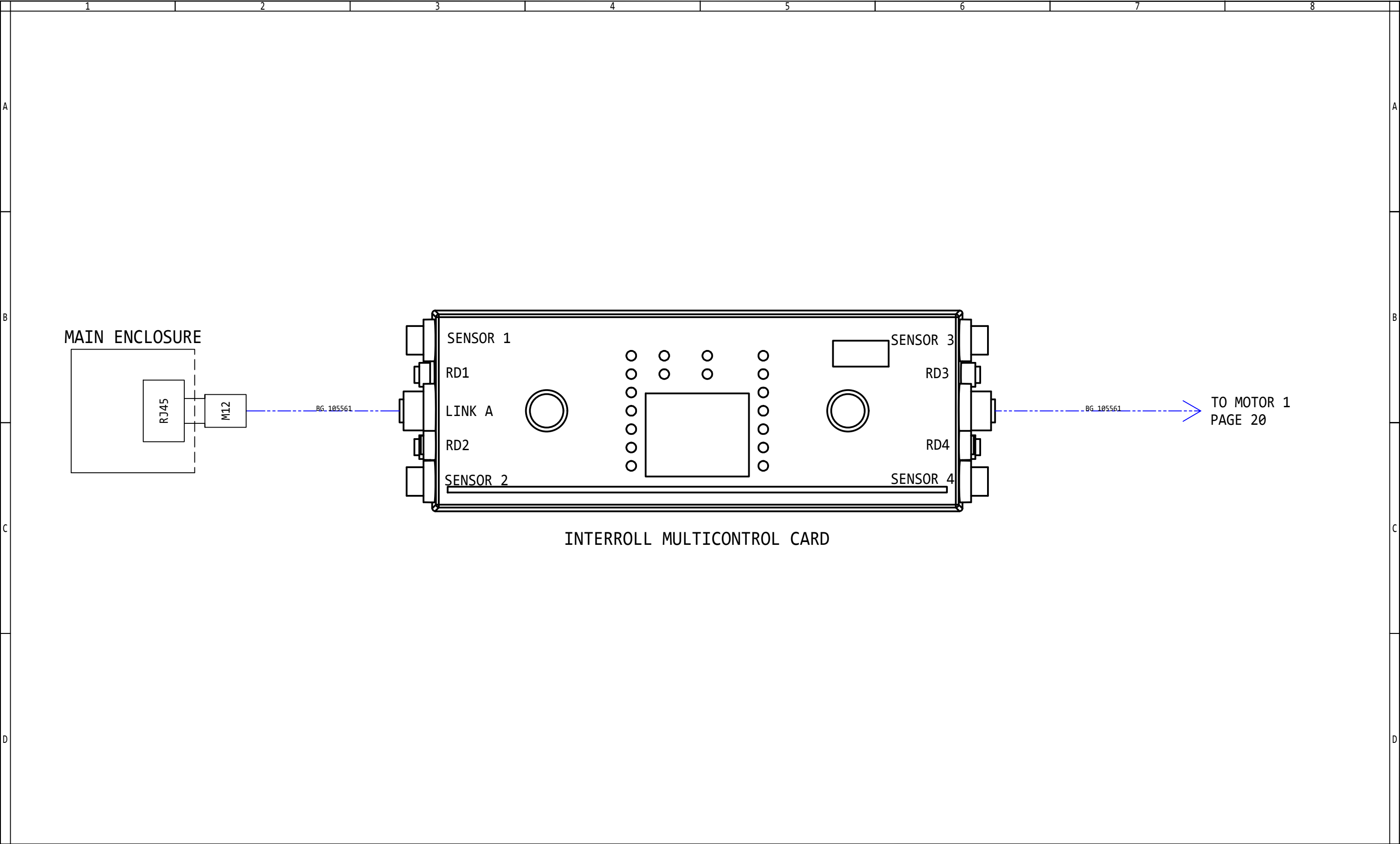
DATE	2024-08-01
SCALE	N/A
DRAWN	TFP
APPROVED	

BOX LIFTER
INTERCONNECT DRAWING PACKAGE
INTERROLL MCC SENSOR WIRING - RIGHTWARD BOX TRAVEL

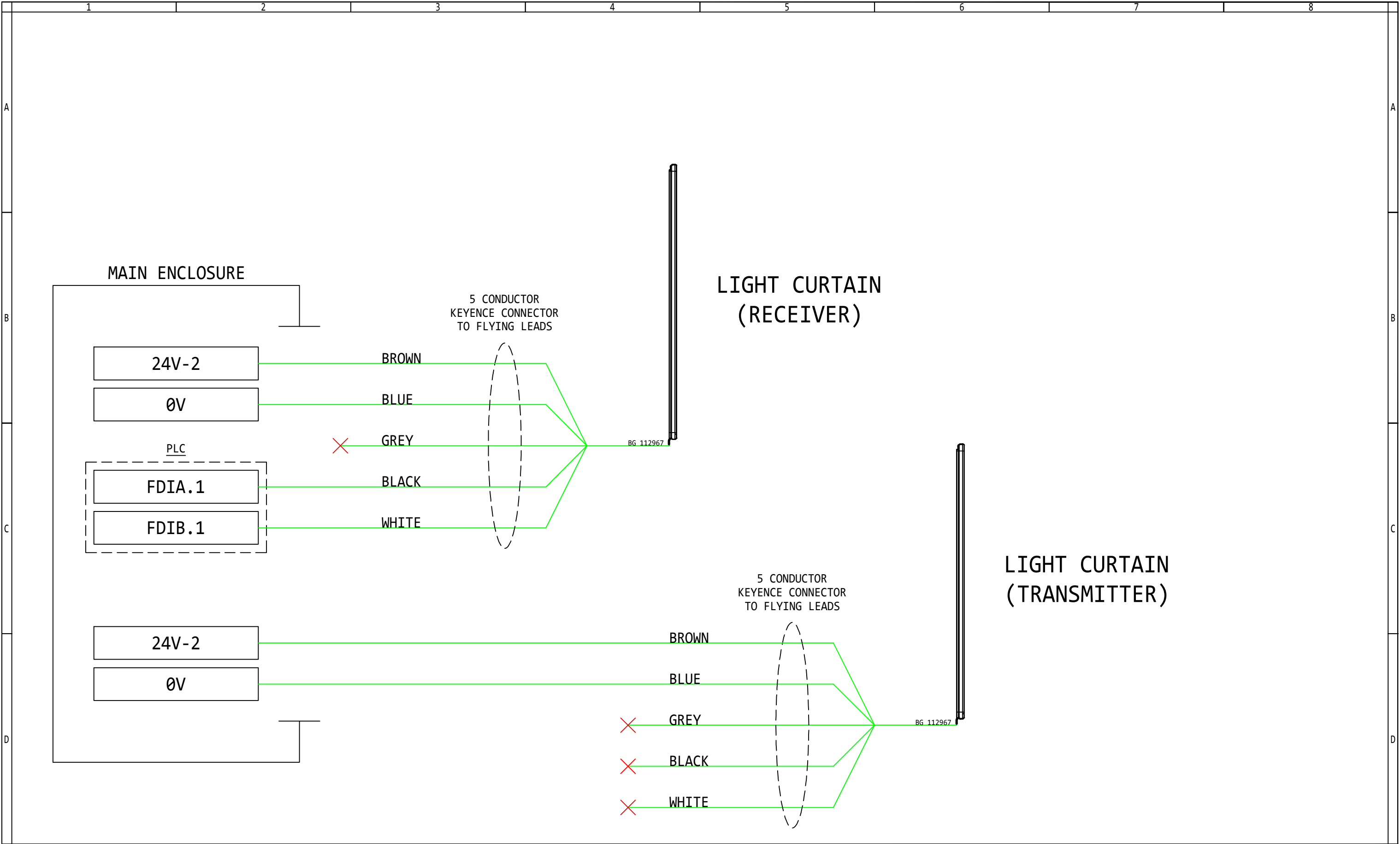
REV
D

SECT.	DETAIL
PREV.	07
SHEET	08
NEXT	09

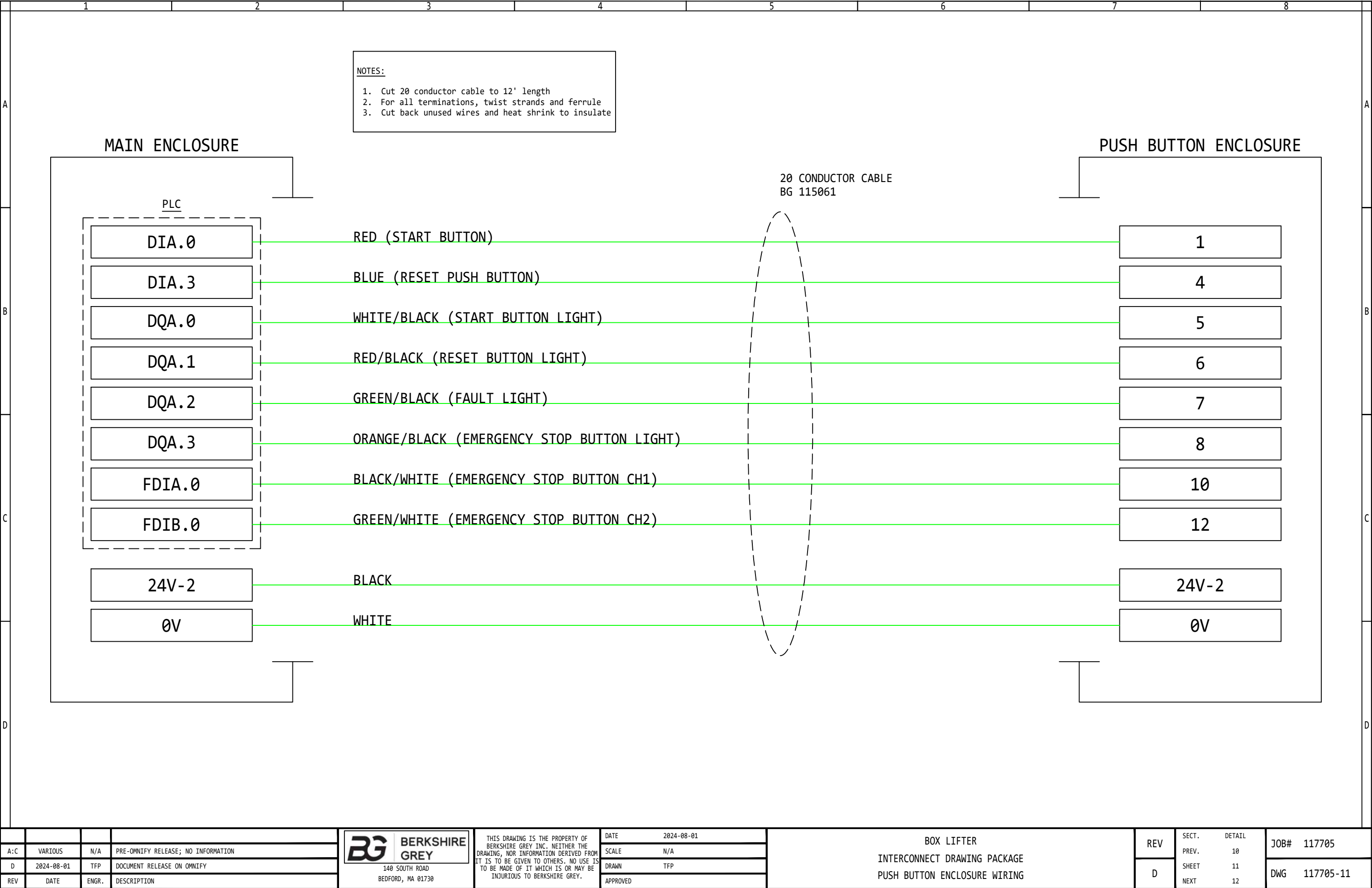
JOB#	117705
DWG	117705-08



				<div><div>BG</div><div>BERKSHIRE GREY</div><div>140 SOUTH ROAD BEDFORD, MA 01730</div></div>	THIS DRAWING IS THE PROPERTY OF BERKSHIRE GREY INC. NEITHER THE DRAWING, NOR INFORMATION DERIVED FROM IT IS TO BE GIVEN TO OTHERS. NO USE IS TO BE MADE OF IT WHICH IS OR MAY BE INJURIOUS TO BERKSHIRE GREY.	DATE	2024-08-01	BOX LIFTER INTERCONNECT DRAWING PACKAGE INTERROLL MCC COMMUNICATIONS WIRING			REV	SECT. DETAIL	JOB# 117705
A:C	VARIOUS	N/A	PRE-OMNIFY RELEASE; NO INFORMATION			SCALE	N/A					PREV. 08	
D	2024-08-01	TFP	DOCUMENT RELEASE ON OMNIFY			DRAWN	TFP				D	SHEET 09	DWG 117705-09
REV	DATE	ENGR.	DESCRIPTION			APPROVED						NEXT 10	



				<div><div><div>BG</div><div>BERKSHIRE GREY</div></div><div>140 SOUTH ROAD BEDFORD, MA 01730</div></div> <div>THIS DRAWING IS THE PROPERTY OF BERKSHIRE GREY INC. NEITHER THE DRAWING, NOR INFORMATION DERIVED FROM IT IS TO BE GIVEN TO OTHERS. NO USE IS TO BE MADE OF IT WHICH IS OR MAY BE INJURIOUS TO BERKSHIRE GREY.</div>	DATE	2024-08-01	BOX LIFTER INTERCONNECT DRAWING PACKAGE LIGHT CURTAIN WIRING				REV	SECT.	DETAIL	JOB#	117705
A:C	VARIOUS	N/A	PRE-OMNIFY RELEASE; NO INFORMATION		SCALE	N/A						PREV.	09		
D	2024-08-01	TFP	DOCUMENT RELEASE ON OMNIFY		DRAWN	TFP					SHEET	10	DWG	117705-10	
REV	DATE	ENGR.	DESCRIPTION		APPROVED						NEXT	11			



A:C	VARIOUS	N/A	PRE-OMNIFY RELEASE; NO INFORMATION
D	2024-08-01	TFP	DOCUMENT RELEASE ON OMNIFY
REV	DATE	ENGR.	DESCRIPTION

BG

BERKSHIRE
GREY

140 SOUTH ROAD
BEDFORD, MA 01730

THIS DRAWING IS THE PROPERTY OF
BERKSHIRE GREY INC. NEITHER THE
DRAWING, NOR INFORMATION DERIVED FROM
IT IS TO BE GIVEN TO OTHERS. NO USE IS
TO BE MADE OF IT WHICH IS OR MAY BE
INJURIOUS TO BERKSHIRE GREY.

DATE	2024-08-01
SCALE	N/A
DRAWN	TFP
APPROVED	

BOX LIFTER

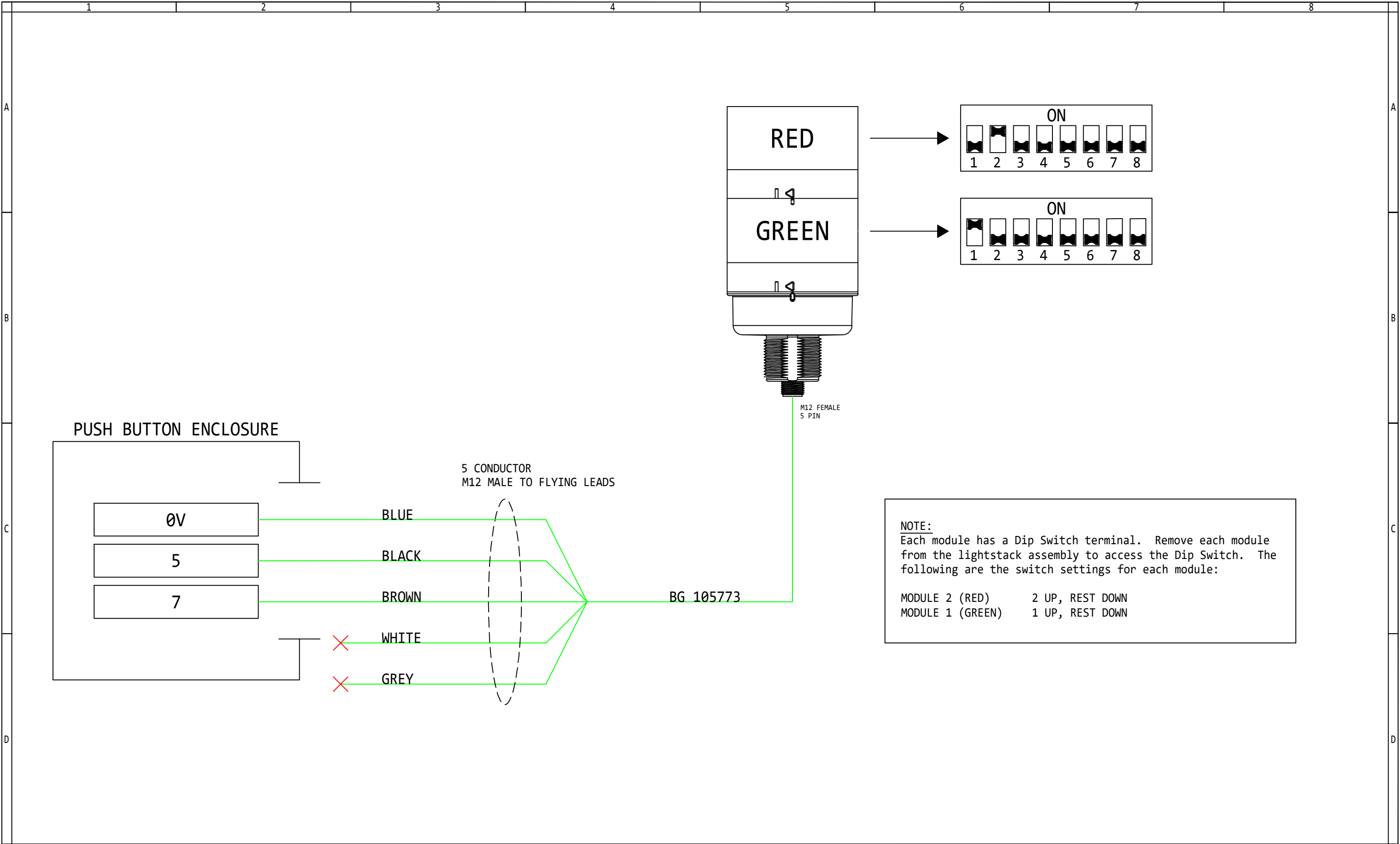
INTERCONNECT DRAWING PACKAGE

PUSH BUTTON ENCLOSURE WIRING

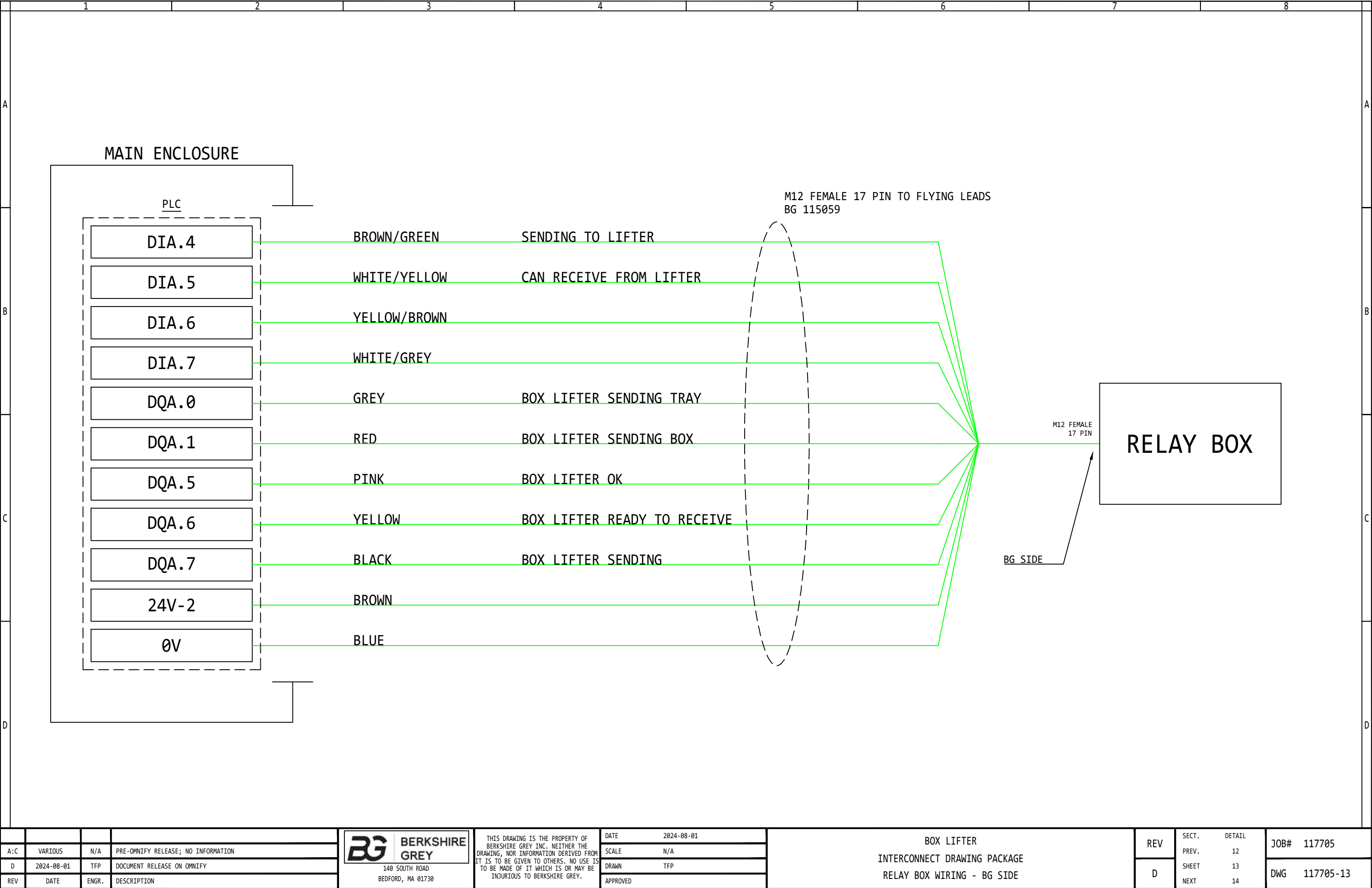
REV
D

SECT.	DETAIL
PREV.	10
SHEET	11
NEXT	12

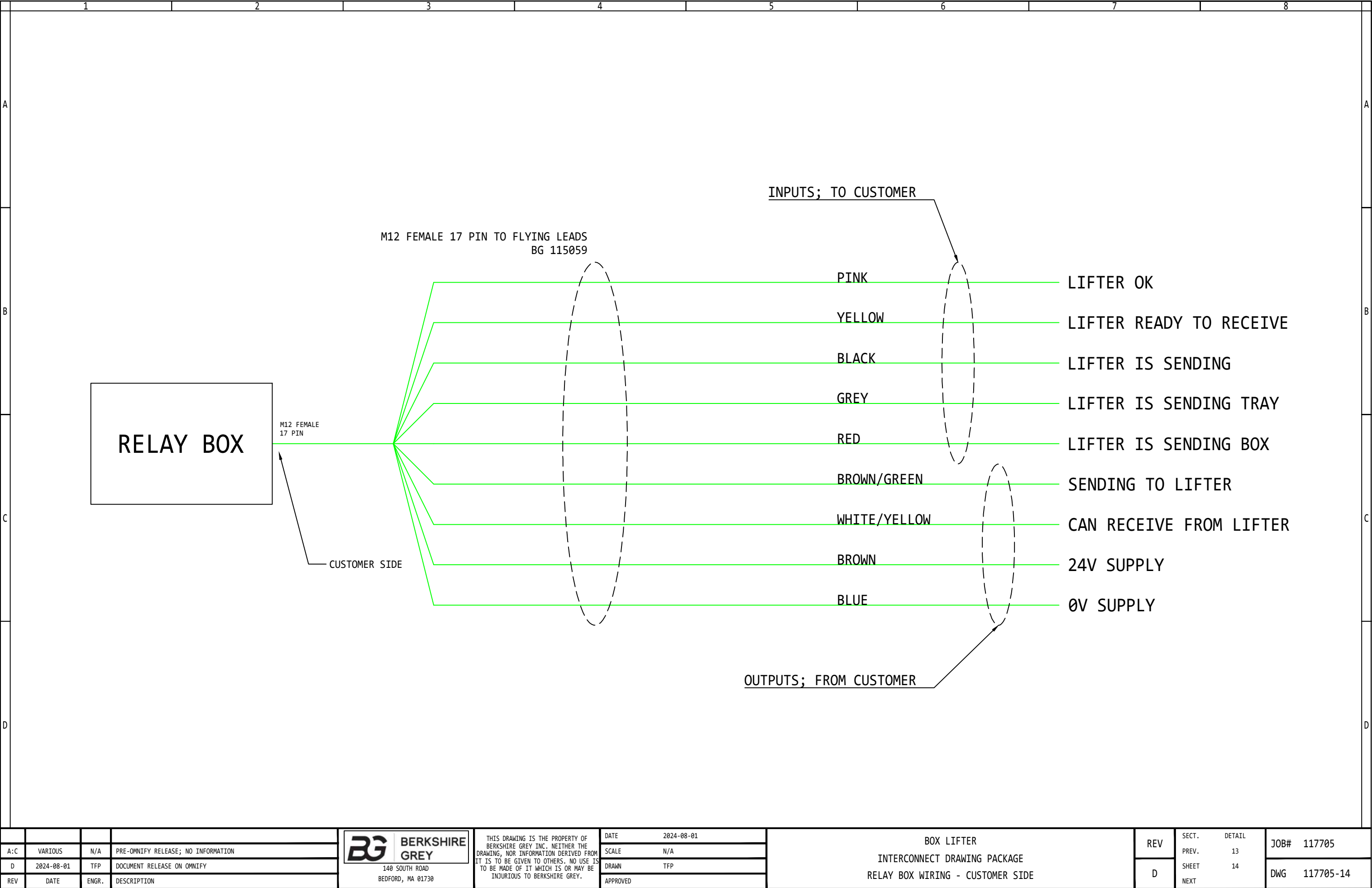
JOB#	117705
DWG	117705-11




				<div><div>BG</div><div>BERKSHIRE GREY</div><div>140 SOUTH ROAD BEDFORD, MA 01730</div></div>	THIS DRAWING IS THE PROPERTY OF BERKSHIRE GREY INC. NEITHER THE DRAWING, NOR INFORMATION DERIVED FROM IT IS TO BE GIVEN TO OTHERS. NO USE IS TO BE MADE OF IT WHICH IS OR MAY BE INJURIOUS TO BERKSHIRE GREY.	DATE	2024-08-01	BOX LIFTER INTERCONNECT DRAWING PACKAGE STACK LIGHT WIRING	REV	SECT.	DETAIL	JOB# 117705
A:C	VARIOUS	N/A	PRE-OMNIFY RELEASE; NO INFORMATION			SCALE	N/A			PREV.	11	
D	2024-08-01	TFP	DOCUMENT RELEASE ON OMNIFY			DRAWN	TFP		D	SHEET	12	
REV	DATE	ENGR.	DESCRIPTION			APPROVED				NEXT	13	DWG 117705-12



				<div><div><div><div>BG</div><div>BERKSHIRE GREY</div><div>140 SOUTH ROAD BEDFORD, MA 01730</div></div><div><div>THIS DRAWING IS THE PROPERTY OF BERKSHIRE GREY INC. NEITHER THE DRAWING, NOR INFORMATION DERIVED FROM IT IS TO BE GIVEN TO OTHERS. NO USE IS TO BE MADE OF IT WHICH IS OR MAY BE INJURIOUS TO BERKSHIRE GREY.</div></div></div><div><div>DATE2024-08-01</div><div>SCALEN/A</div><div>DRAWNTFP</div><div>APPROVED</div></div></div> <div><div>BOX LIFTER</div><div>INTERCONNECT DRAWING PACKAGE</div><div>RELAY BOX WIRING - BG SIDE</div></div> <div><div>REV</div><div>D</div></div> <div><div>SECT. DETAIL</div><div>PREV. 12</div><div>SHEET 13</div><div>NEXT 14</div></div> <div><div>JOB# 117705</div><div>DWG 117705-13</div></div>
--	--	--	--	--



A:C	VARIOUS	N/A	PRE-OMNIFY RELEASE; NO INFORMATION
D	2024-08-01	TFP	DOCUMENT RELEASE ON OMNIFY
REV	DATE	ENGR.	DESCRIPTION



**BERKSHIRE
GREY**

140 SOUTH ROAD
BEDFORD, MA 01730

THIS DRAWING IS THE PROPERTY OF
BERKSHIRE GREY INC. NEITHER THE
DRAWING, NOR INFORMATION DERIVED FROM
IT IS TO BE GIVEN TO OTHERS. NO USE IS
TO BE MADE OF IT WHICH IS OR MAY BE
INJURIOUS TO BERKSHIRE GREY.

DATE	2024-08-01
SCALE	N/A
DRAWN	TFP
APPROVED	

BOX LIFTER

INTERCONNECT DRAWING PACKAGE

RELAY BOX WIRING - CUSTOMER SIDE

REV
D

SECT.	DETAIL
PREV.	13
SHEET	14
NEXT	

JOB#	117705
DWG	117705-14