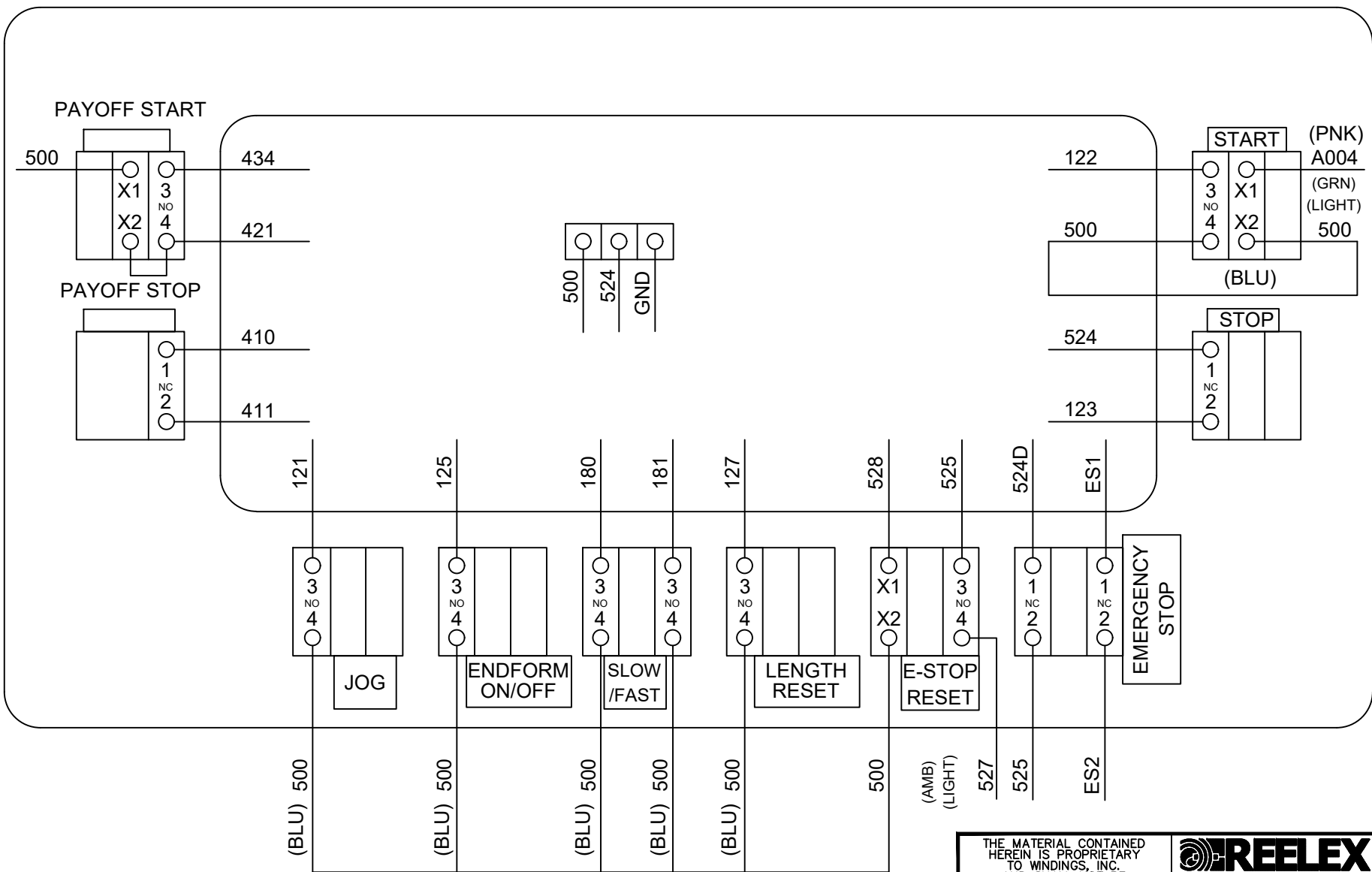


REVISIONS		
REV	DESCRIPTION	BY/DATE
A	RELEASE (ECO R-0164)	MK/KP-11/17/17
A.1	UPDATE TITLE (ECO R-0360)	KP-5/9/18
B	PAYOFF START LIGHT 421&500 & STOP LIGHT CHG PIN # (ECO R-0417)	MK/KP-7/23/18

HMI WIRING – SOLDER/WIRING SIDE VIEW



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THIRD ANGLE PROJECTION

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DIAG, WIRING– HMI
S290 – 24V

SIZE C	PART/DWG NO. 28602	REV. B
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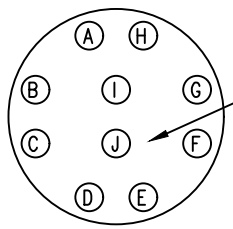
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 SCALE –
 DRAWN MK
 DATE 10/06/17
 SHEET 1 OF 1

A

B

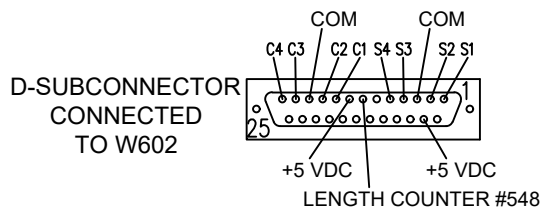
C

D

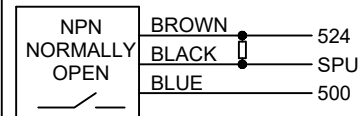


A= BRN - S1/C1
 B= ORN - S3/C3
 D= RED - 505
 F= BLK - 500
 G= GRN - GROUND
 H= YEL - S2/C2
 I= BLU - S4/C4
 WIRE TYPE FOR
 ENCODERS
 SHIELDED 7 STRAND

SPINDLE & CAM ENCODERS



SPINDLE PICKUP - (SPU) REELEX# "SWITCH-PROX/02A"



TRAVERSE PICKUP - (TPU) REELEX# "SWITCH-TL-X5MC1"

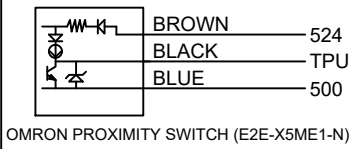


TABLE UP PICKUP (168) REELEX# "SWITCH-PROX/02A"

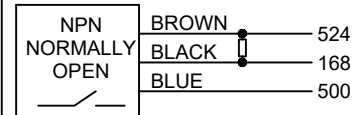
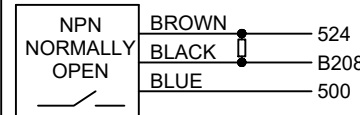
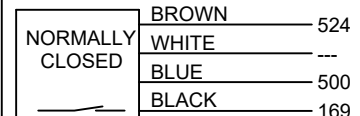


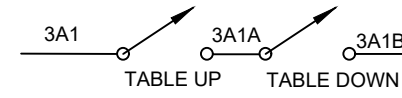
TABLE DN PICKUP - (B208) REELEX# "SWITCH-PROX/02A"



COIL GROWING PICKUP FIBER OPTIC SWITCH

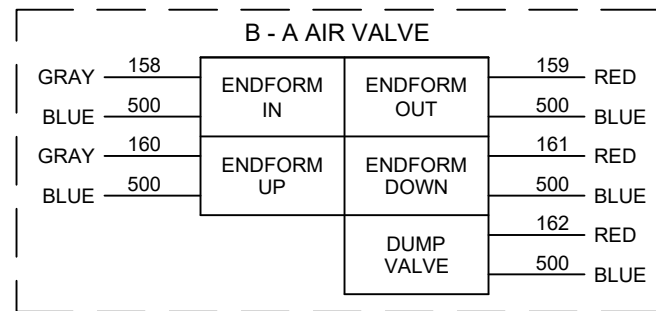
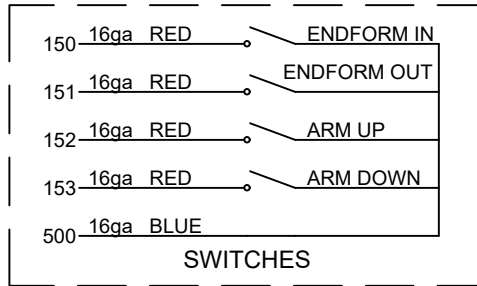
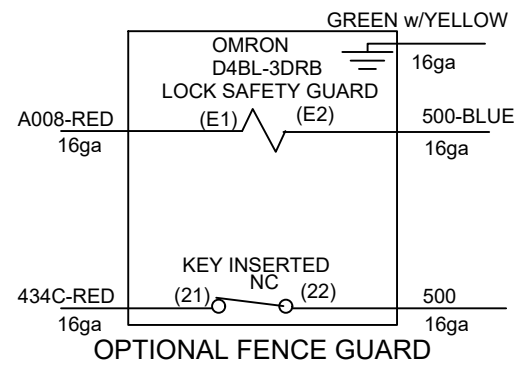
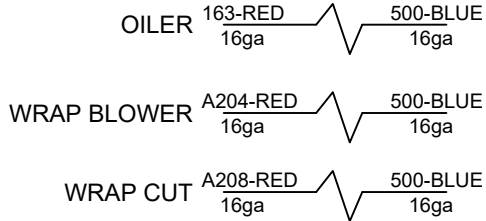
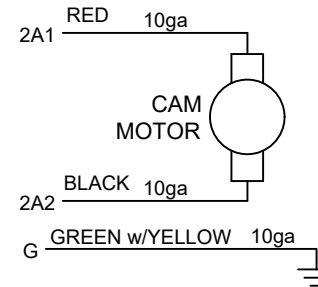
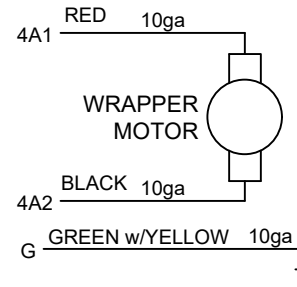
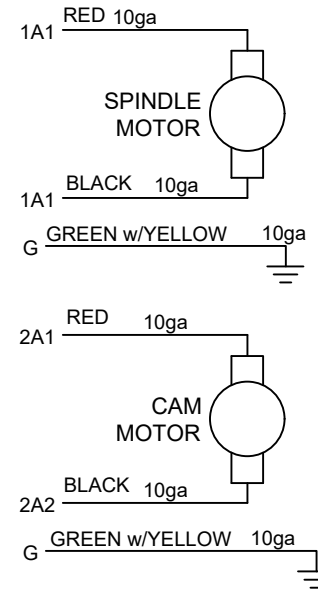
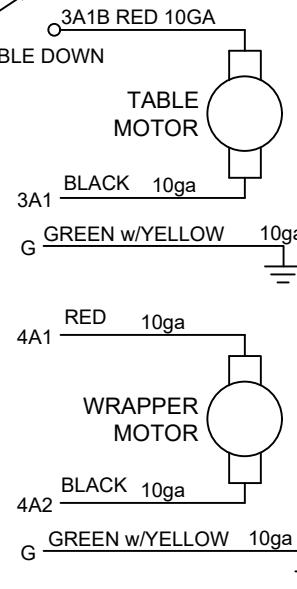


CRASH-MECH SW



STACK LIGHT WIRING

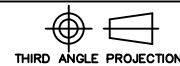
STACK LT	CONDTRS	FUNCTION
RED	RED A008	RED LIGHT
ORANGE	WHITE A210	AMBER LIGHT
WHITE	YELLOW A220	WHITE LIGHT
GREEN	GREEN A001	GREEN LIGHT
VIOLET	BLACK	UNUSED
GRAY	BLUE #500	DC RETURN
BLACK	BROWN #524	POWER +24VDC



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 PATTERSON, NY 12563
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**DIAG, WIRING-
S290 - 24V**

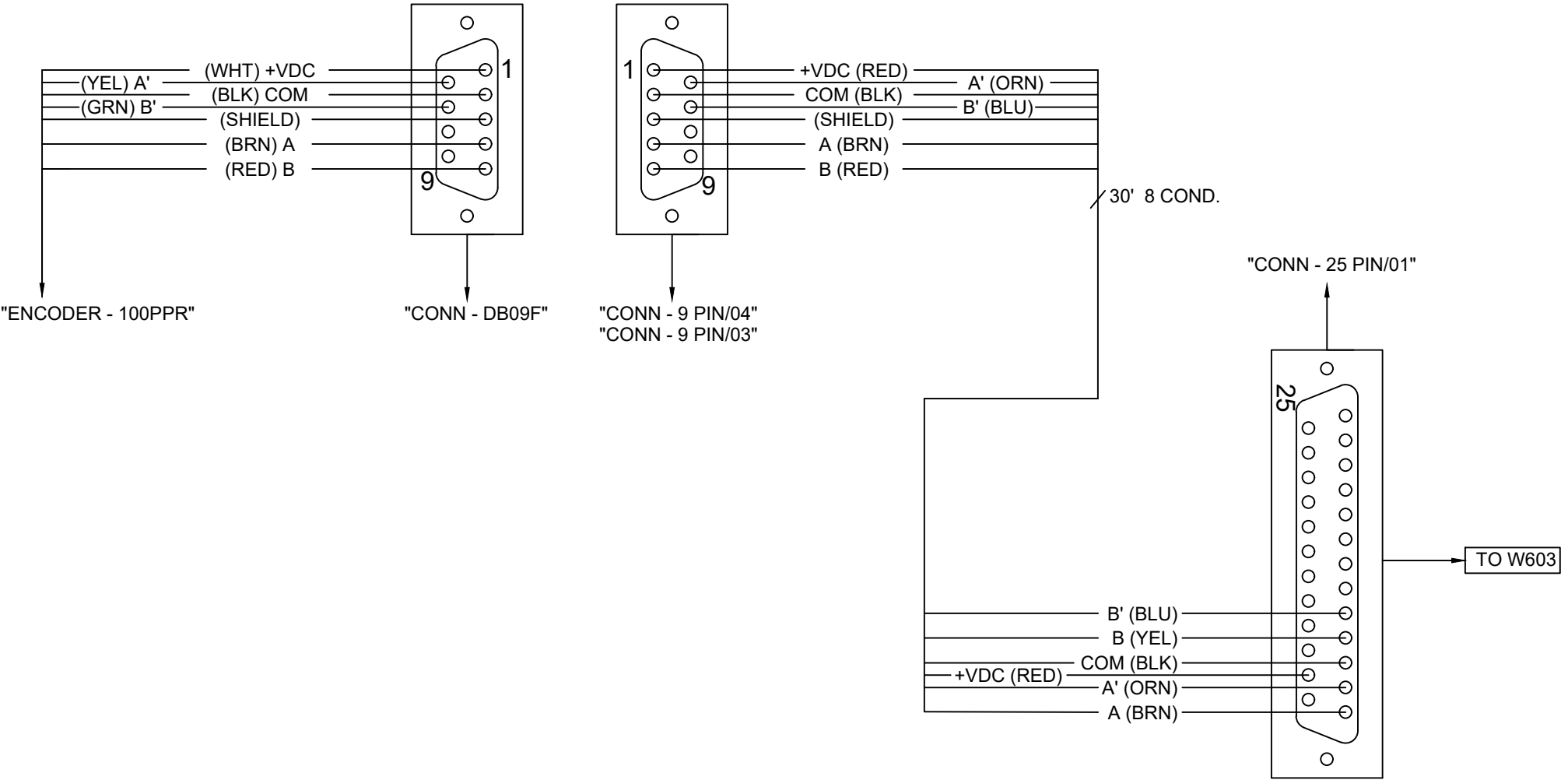


FILENAME: D:\REELEX\... 28603

SIZE C	PART/DWG NO. 28603	REV. B
SCALE -	DRAWN MK DATE 10/06/17	SHEET 1 OF 2

WIRING TO TABLE ENCODER

REVISIONS		
REV	DESCRIPTION	BY/DATE
A	RELEASE (ECO R-0164)	MK/KP-11/17/17
A.1	UPDATE TITLE (ECO R-0360)	KP-5/9/18
B	ADD SHT 2-WIRING TO TABLE ENCODER (ECO R-0720)	MK/KP-12/26/19



BROWN - (BRN)
BLACK - (BLK)
RED - (RED)
ORANGE - (ORN)
YELLOW - (YEL)
GREEN - (GRN)
BLUE - (BLU)
VIOLET - (VLT)
WHITE - (WHT)

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**DIAG, WIRING-
S290 - 24V**

SIZE C	PART/DWG NO. 28603	REV. B
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THIRD ANGLE PROJECTION

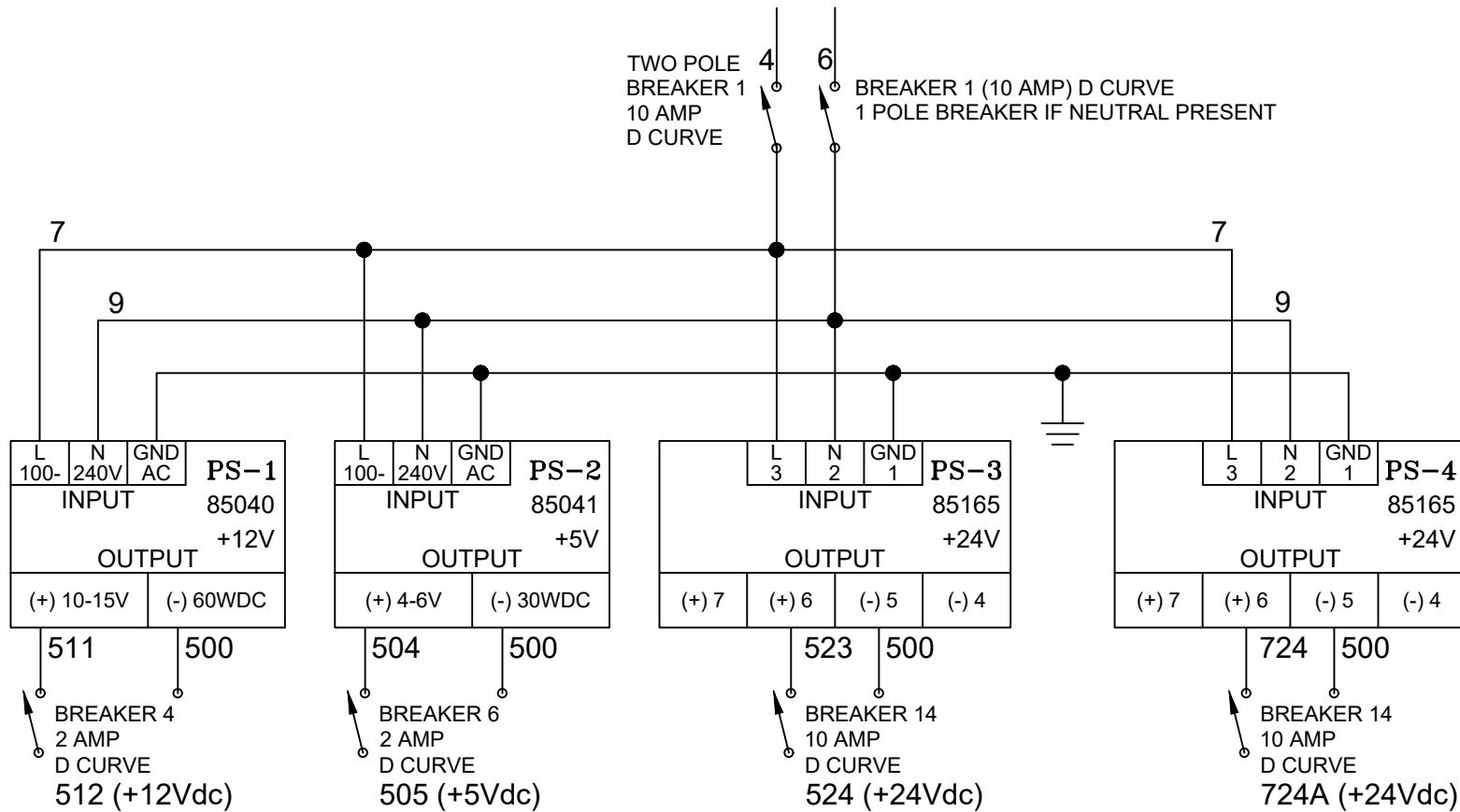
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SCALE -

DRAWN MK DATE 10/06/17

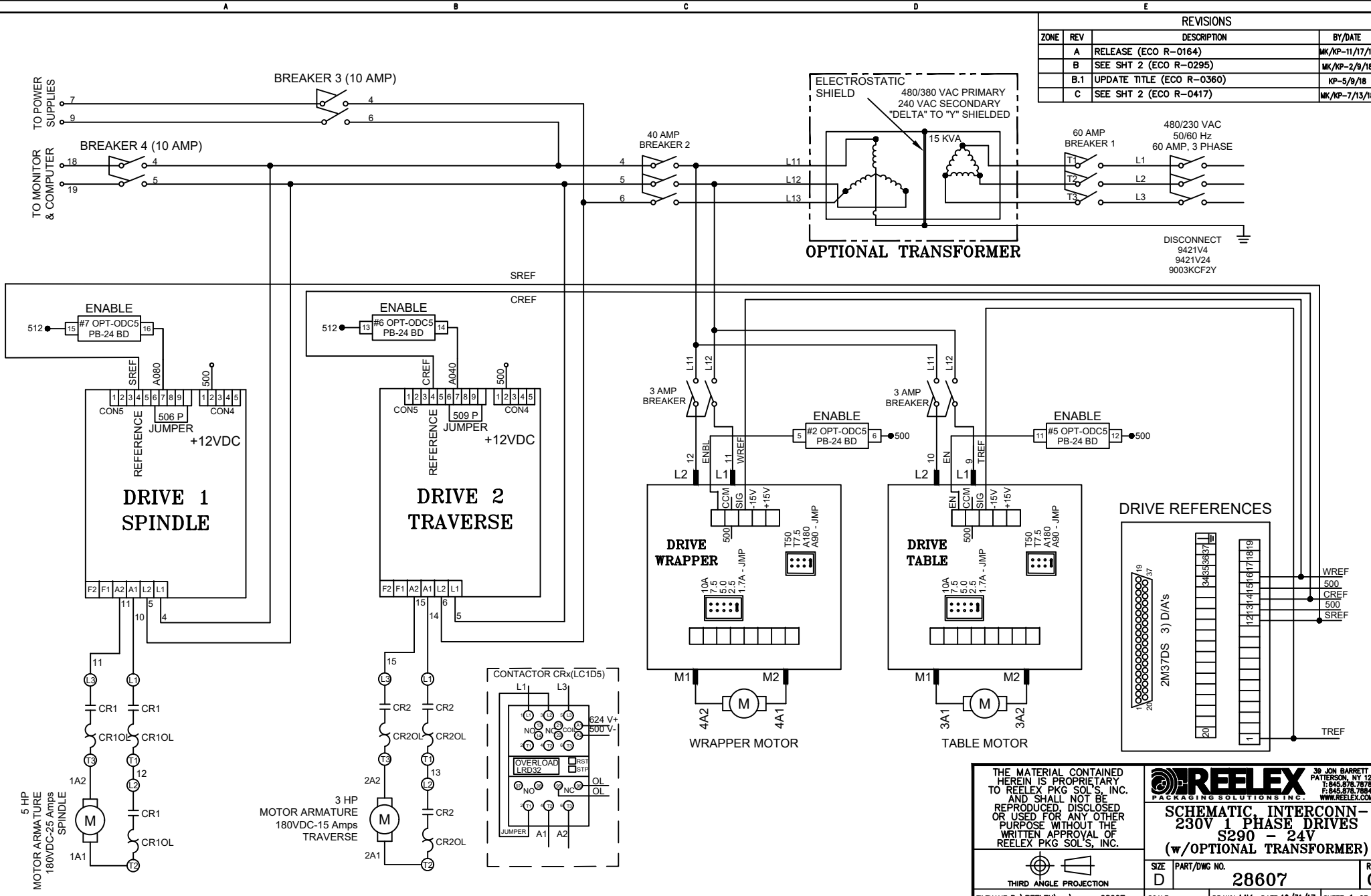
SHEET 1 OF 2

REVISIONS		
ZONE	REV	DESCRIPTION
	A	RELEASE (ECO R-0164)
	A.1	UPDATE TITLE (ECO R-0360)
		BY/DATE
		MK/KP-11/17/17
		KP-5/8/18



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SCHEMATIC, POWER SUPPLY S290 - 24V		SIZE D	PART/DWG NO. 28606
THIRD ANGLE PROJECTION		SCALE -	REV. A.1
FILENAME: D:\REELEX\... 28606		DRAWN MK DATE 9/1/2017	SHEET 1 OF 1

REVISIONS		
ZONE	REV	DESCRIPTION
A	RELEASE (ECO R-0164)	
B	SEE SHT 2 (ECO R-0295)	
B.1	UPDATE TITLE (ECO R-0360)	
C	SEE SHT 2 (ECO R-0417)	
		BY/DATE
		MK/KP-11/17/17
		MK/KP-2/9/18
		KP-5/9/18
		MK/KP-7/13/18



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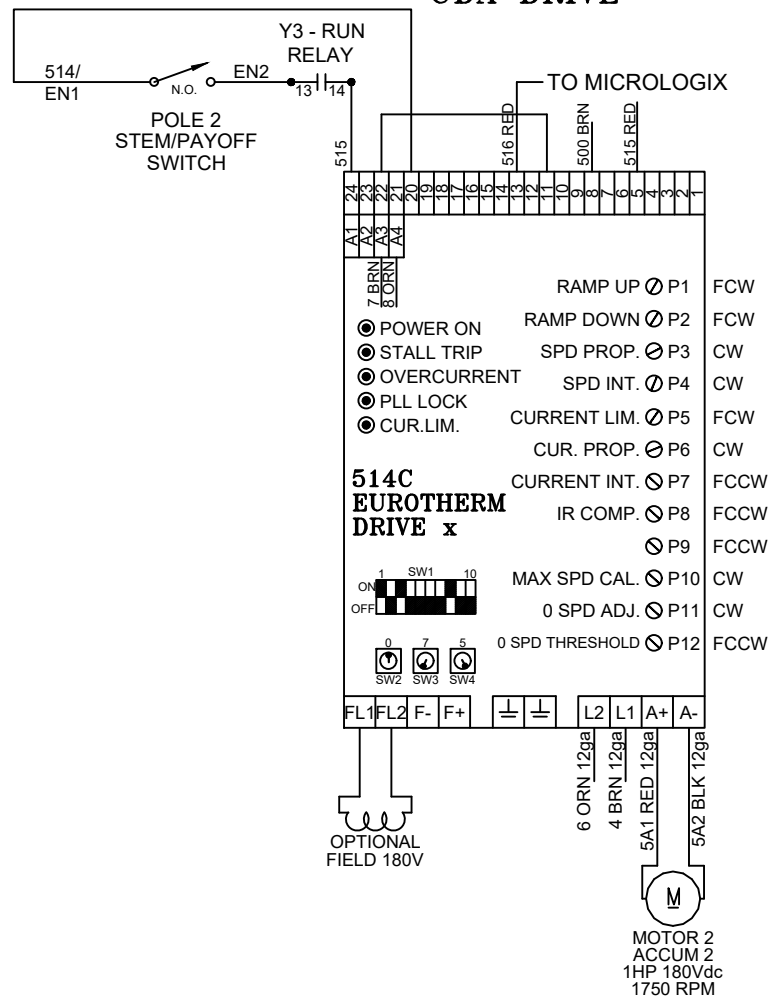
39 JON BARRETT RD
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F:845.878.7884
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SCHEMATIC INTERCONN- 230V 1 PHASE DRIVES S290 - 24V (w/OPTIONAL TRANSFORMER)

SIZE **D** PART/DWG NO. **28607** REV. **C**

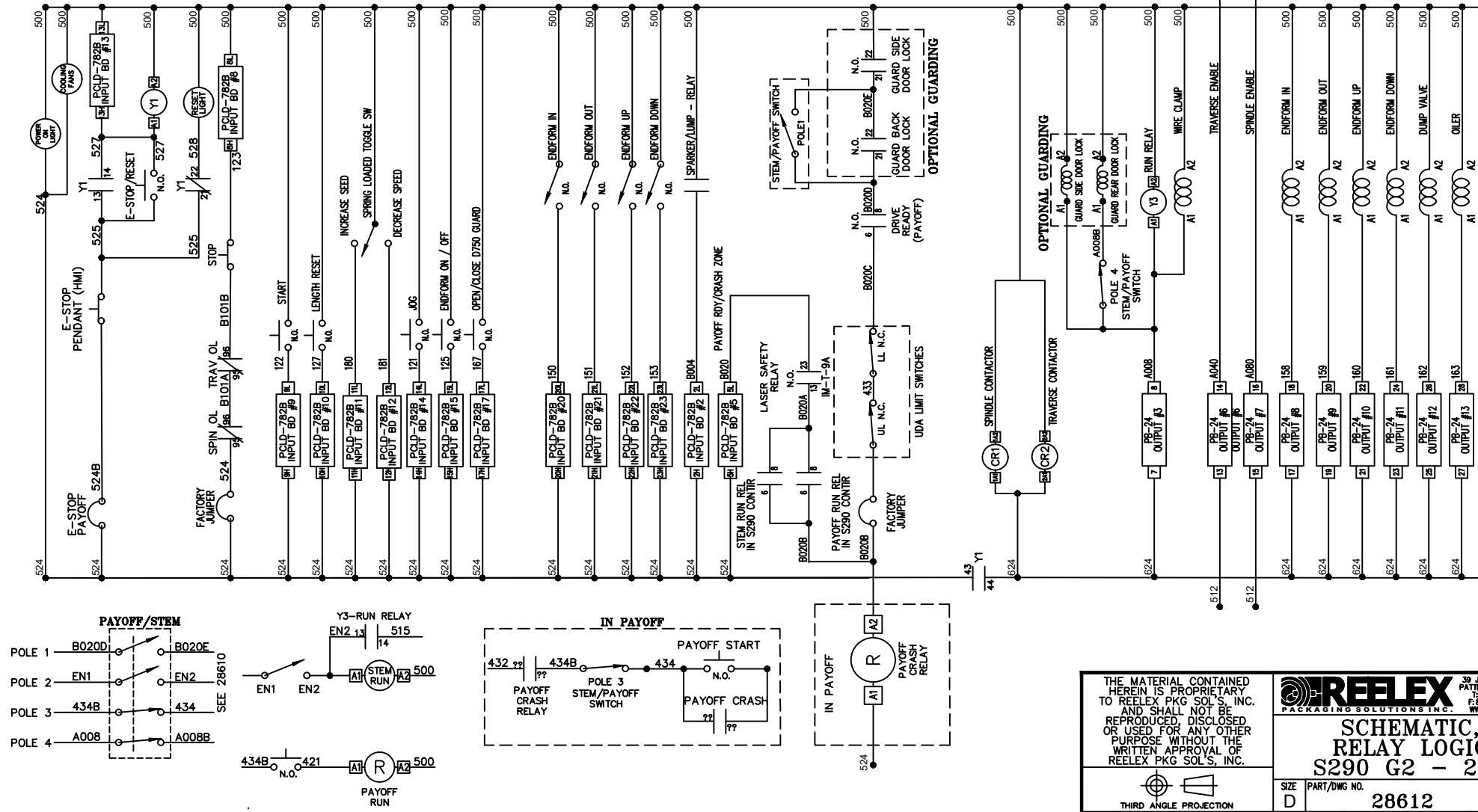
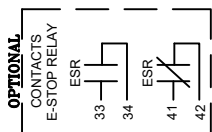
FILENAME: D:\REELEX\... 28607 SCALE - DRAWN MK DATE 10/31/17 SHEET 1 OF 2

REVISIONS			
ZONE	REV	DESCRIPTION	BY/DATE
AB/1-4	A	RELEASE (ECO R-0164)	WK/KP-11/17/17
	B	ADD STEM/PAYOFF SW (ECO R-0295)	WK/KP-2/9/18
	B.1	UPDATE TITLE (ECO R-0360)	KP-5/9/18
	C	514 TERM; L1-L2 UPDATES (ECO R-0417)	WK/KP-7/13/18



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	<p>SCHEMATIC INTERCONN- 230V 1 PHASE DRIVES S290 - 24V (w/OPTIONAL TRANSFORMER)</p>				
 <p>THIRD ANGLE PROJECTION</p>	<p>SIZE D</p>	<p>PART/DWG NO. 28607</p>	<p>REV. C</p>		
<p>FILENAME: D:\RELEX\....\ 28607</p>		<p>SCALE -</p>	<p>DRAWN MK</p>	<p>DATE 10/31/17</p>	<p>SHEET 2 OF 2</p>

REVISIONS			
ZONE	REV	DESCRIPTION	BY/DATE
	A	RELEASE (ECO R-0417)	MK-04/06/18



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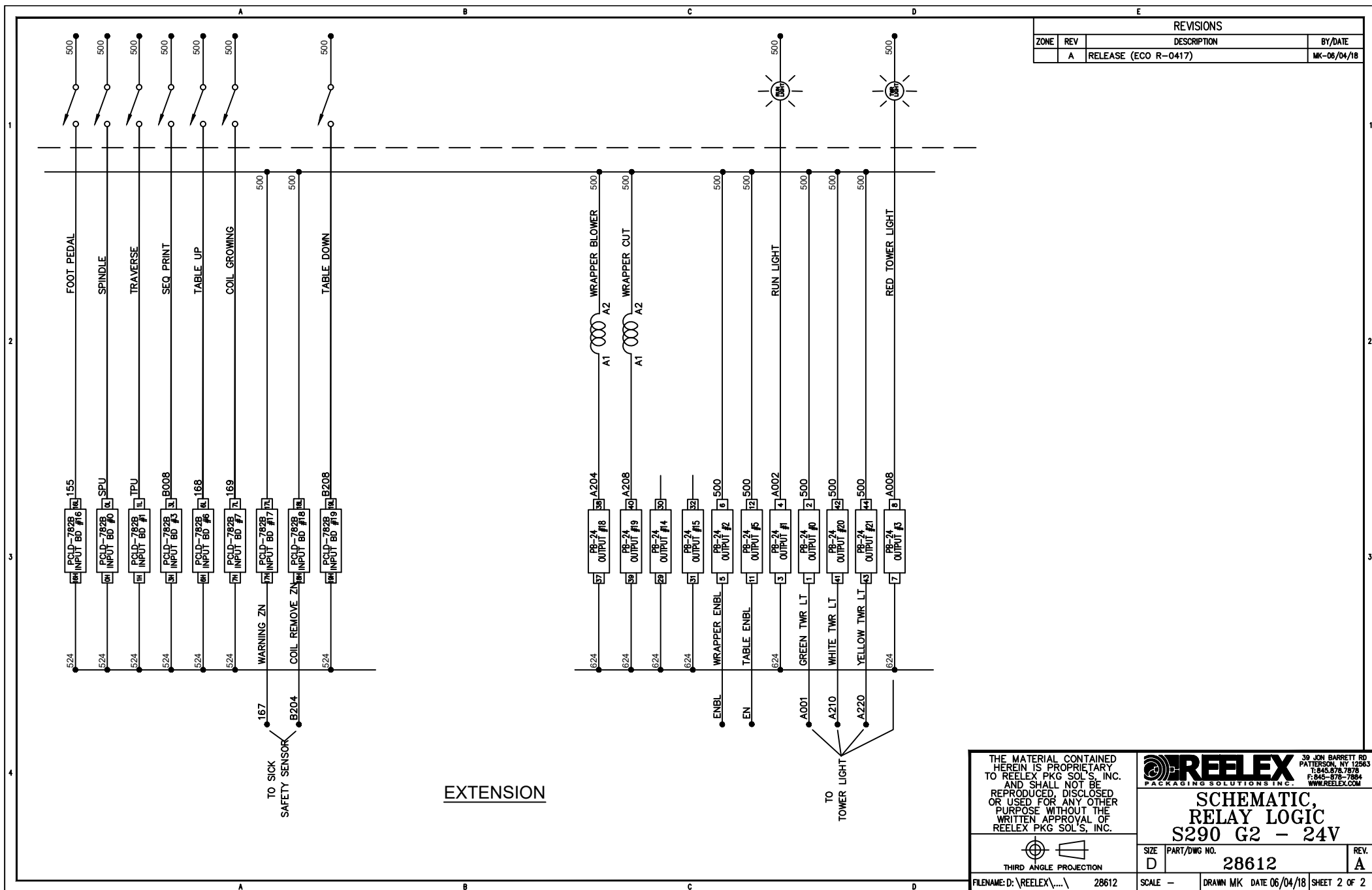
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SCHEMATIC, RELAY LOGIC S290 G2 - 24V

SIZE D PART/DWG NO. 28612 REV. A

FILENAME: D:\REELEX\... 28612 SCALE - DRAWN MK DATE 06/04/18 SHEET 1 OF 2



REVISIONS			
ZONE	REV	DESCRIPTION	BY/DATE
	A	RELEASE (ECO R-0417)	MK-06/04/18

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**SCHEMATIC,
RELAY LOGIC
S290 G2 - 24V**

SIZE **D** PART/DWG NO. **28612** REV. **A**

FILENAME: D:\REELEX\... 28612 SCALE — DRAWN MK DATE 06/04/18 SHEET 2 OF 2

A

B

C

D

REVISIONS		
REV	DESCRIPTION	BY/DATE
A	RELEASE (ECO R-0417)	MK-06/04/18
B	ADD TABLE ENCODER 25PIN CONN INFO (ECO R-0720)	MK/KP-12/26/19

CONN. C**MODULE 1 (A)****MODULE 2 (B)****MODULE 3 (C)**

35) 16GA RED
1) 16GA BLUE

**ENDFORM
& BUFFER STOP**

DUMP VALVE	TERM 12	162
ENDFORM DOWN VALVE	TERM 11	161
ENDFORM UP VALVE	TERM 10	160
ENDFORM OUT VALVE	TERM 9	159
ENDFORM IN VALVE	TERM 8	158
ENDFORM DOWN SW	TERM 7	153
ENDFORM UP SW	TERM 6	152
ENDFORM OUT SW	TERM 5	151
ENDFORM IN SW	TERM 4	150
BUFFER UP STOP	TERM 3	B101B
RESET LIGHT	TERM 2	528
COMMON	TERM 1	500

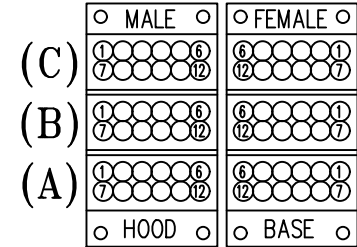
CONDUIT 15 FT
WIRES 29 FT

**BUFFER, OILER,
& ANTI-REVERSE**

ESTOP	TERM 12	ES2
ESTOP	TERM 11	ES1
ESTOP	TERM 10	525
ESTOP	TERM 9	524B
SP 3	TERM 8	524
RESET	TERM 7	527
RUN LITE	TERM 6	A004
	TERM 5	410/ST1
	TERM 4	TPU
BUFFER	TERM 3	SPU
ANTI-REVERSE	TERM 2	421
OILER	TERM 1	163

***OPTIONAL*
HMI & AUTO GUARDING**

ENDFORM ON/OFF	TERM 12	125
JOG	TERM 11	121
DECEL	TERM 10	181
ACCEL	TERM 9	180
START	TERM 8	122
STOP	TERM 7	123
LOCK GUARD VALVE	TERM 6	434
OPEN/CLOSE VALVE	TERM 5	127
OPEN/CLOSE VALVE	TERM 4	411
COIL GROW SW	TERM 3	169
TABLE UP SW	TERM 2	168
TABLE DOWN SW	TERM 1	B208

**CONN. D****MODULE 1 (A)****MODULE 2 (B)****MODULE 3 (C)**

2) 10GA RED
2) 10GA BLACK
1) 10GA GREEN

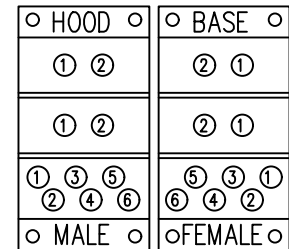
MOTORS

SPINDLE MOTOR	TERM 2	1A2
SPINDLE MOTOR	TERM 1	1A1

CONDUIT 15 FT
WIRES 30 FT

OPTIONAL

WRAPPER	TERM 6	A208
	TERM 5	A204
	TERM 4	4A1
	TERM 3	4A2
	TERM 2	3A1
	TERM 1	3A2

**CONN. B****MODULE 1 (A)****MODULE 2 (B)****MODULE 3 (C)**

CONDUIT 24 FT

1) 4 COND. w/SH
COUNTER-25FT

COUNTER

SHIELD	TERM 6	516
COUNTER	TERM 5	SH
COUNTER	TERM 4	558
COUNTER	TERM 3	548
+12 VDC	TERM 2	512
COMMON	TERM 1	500

UDA

	TERM 6	B020A
	TERM 5	SPR2
	TERM 4	SPR1
AIR	TERM 3	PS1
LASER	TERM 2	500
LASER	TERM 1	524

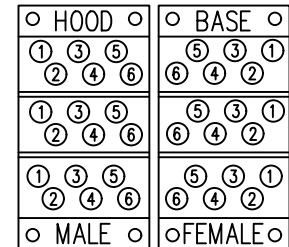
SPARE

	TERM 6	SPR9
	TERM 5	SPR8
	TERM 4	
	TERM 3	SPR6
	TERM 2	SPR5
	TERM 1	SPR4

LENGTH COUNTER

MAGNETIC PICKUP ON BDA	RED	512
	BLACK	558
	WHITE	548
	GREEN	500

WINDINGS LENGTH COUNTER PICKUP
WINDINGS # PICKUP-DUALHALL

**CONN. A****SPINDLE & CAM ENCODERS**

CONDUIT 15 FT

2) 8 COND. w/SH
SPINDLE ENCODER-35FT
CAM ENCODER-35FT

D-SUBCONNECTOR
CONNECTED
TO W602

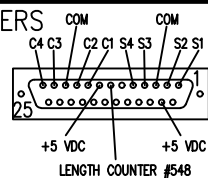
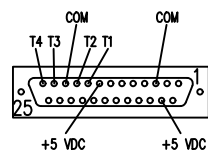
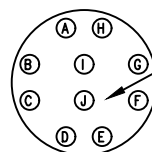
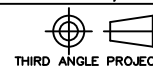


TABLE ENCODER

**SPINDLE, CAM, & TABLE
CONNECTOR WIRING**

A= BRN - S1/C1/T1
B= ORN - S3/C3/T3
D= RED - 505
F= BLK - 500
G= GRN - GROUND
H= YEL - S2/C2/T2
I= BLU - S4/C4/T4
WIRE TYPE FOR ENCODERS
SHIELDED 7 STRAND

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WINDINGS, INC.



FILENAME: D:\REELEX\... 28613

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**DIAG, CONDUIT- A/B/
C/D w/PENDANT ARM
S290 - 24V**

SIZE C PART/DWG NO. 28613 REV. B

SCALE - DRAWN MK DATE 06/04/18 SHEET 1 OF 1

A

B

C

28801 - S290 SS

LIST OF ELECTRICAL DRAWINGS AND/OR PROCEDURES

1. [28612 - SCHEMATIC, RELAY LOGIC S290 G2 - 24V.pdf](#)
2. [28611 - DIAG, WIRING - S290 INPUT OUTPUT BD w WRAPPER & TOWER LIGHT](#)
3. [28607 - SCHEMATIC, INTERCONN - 230V 1 PHASE DRIVES S290 - 24V
\(w OPTIONAL TRANSFORMER\)](#)
4. [28606 - SCHEMATIC, POWER SUPPLY S290 - 24V](#)
5. [28613 - DIAG, CONDUIT - A_B_C_D w PENDANT ARM S290 - 24V](#)
6. [10672 - DIAG, LAYOUT - CONN'S \(D750 G3, D1500, D2000 & PAYOFF's\)](#)
7. [28603 - DIAG, WIRING - S290 - 24V](#)
8. [28602 - DIAG, WIRING - HMI S290 - 24V](#)

REELEX SHEET SET

MK-1/11/21