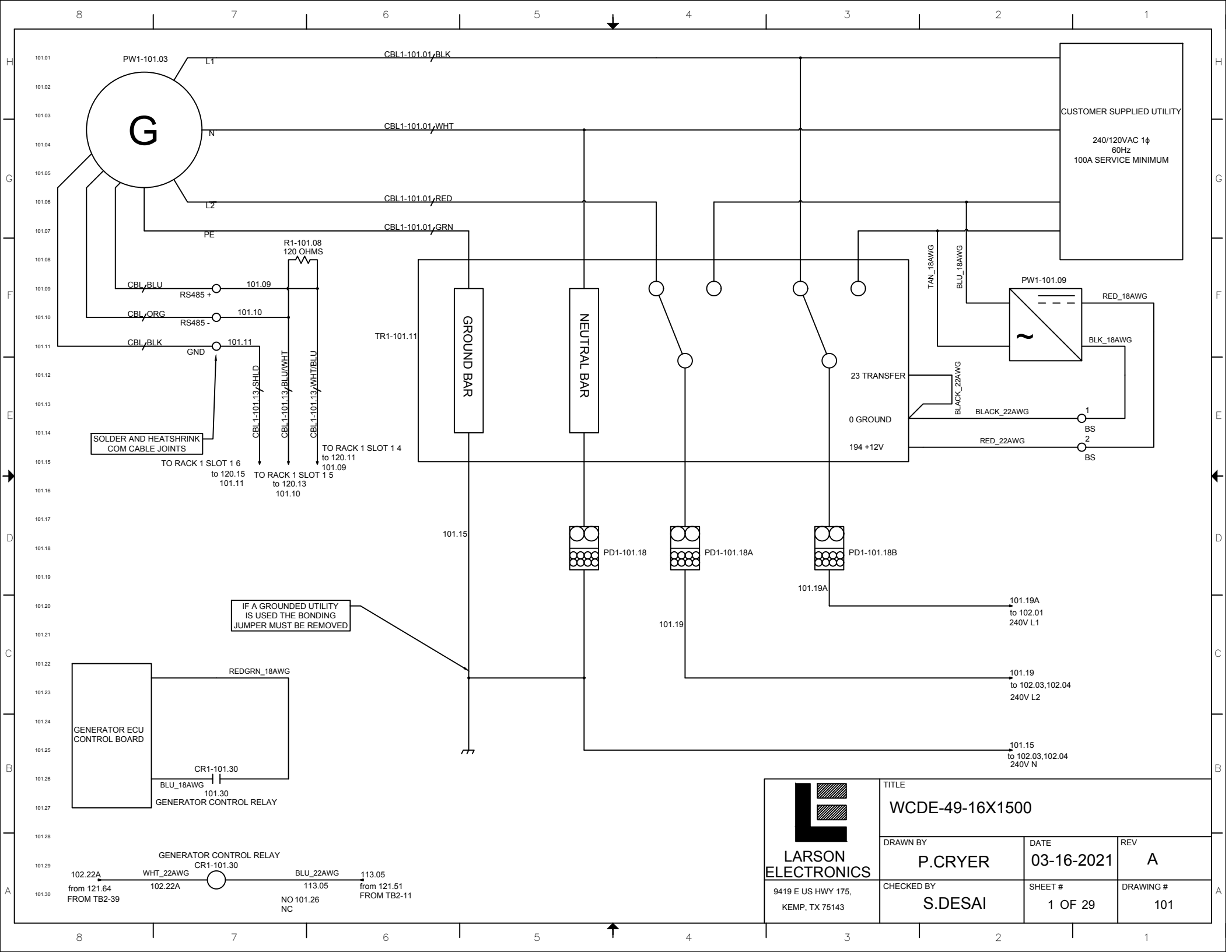
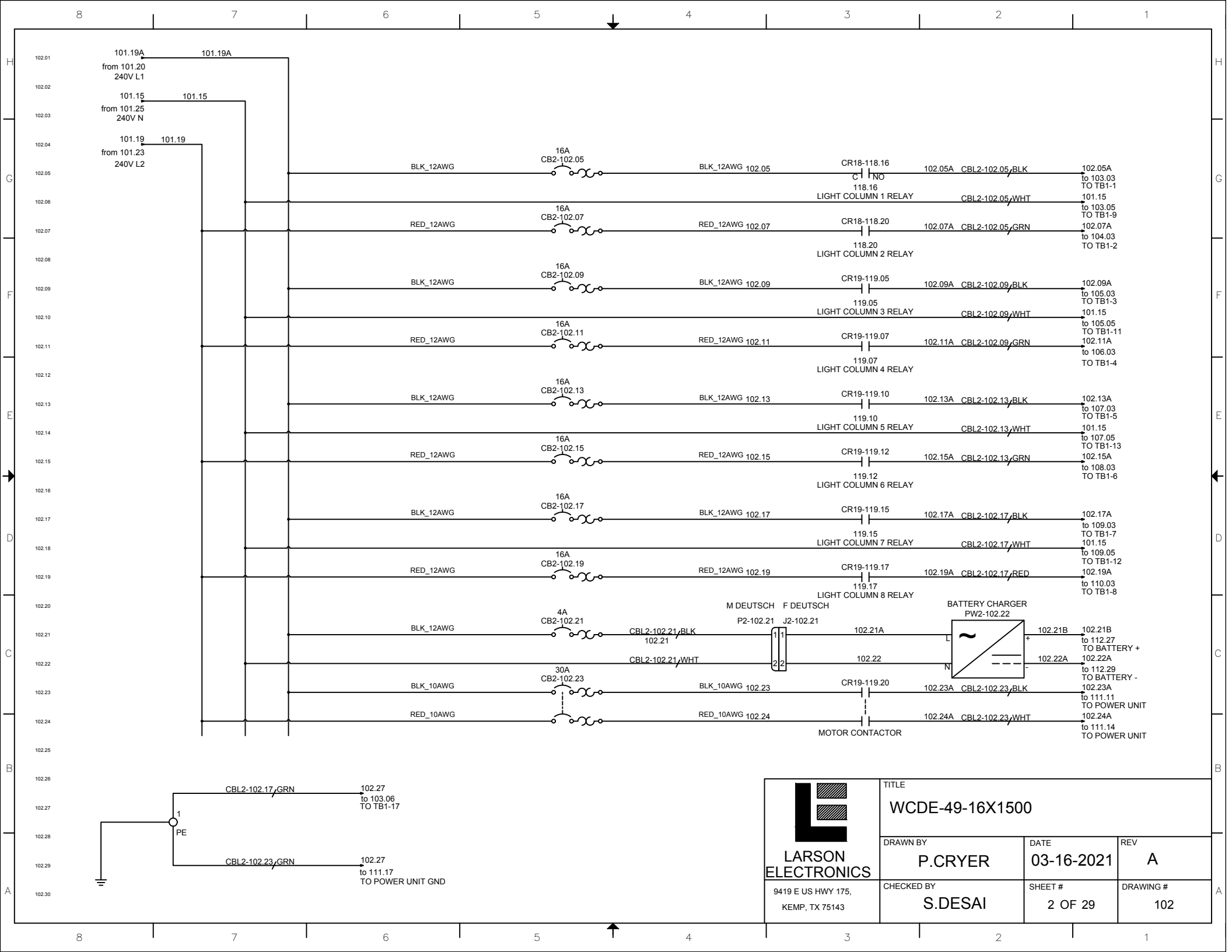
REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	3-16-2021

WCDE-11-HLM65-16X500LTL-LED

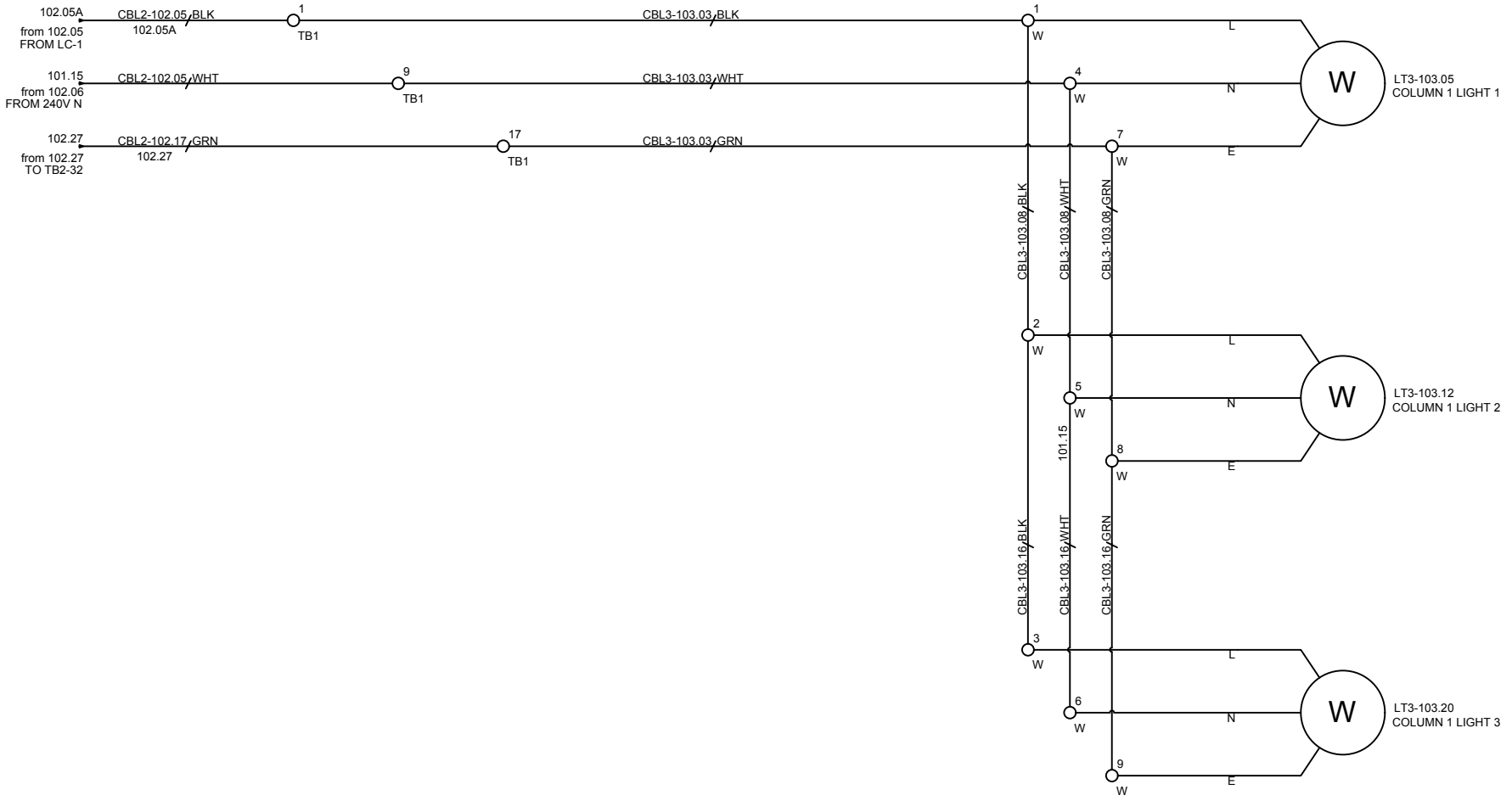
LARSON ELECTRONICS®


PW1-101.03
L1
N
L2
PE
G
CBL1-101.01/BLK
CBL1-101.01/WHT
CBL1-101.01/RED
CBL1-101.01/GRN
CUSTOMER SUPPLIED UTILITY
240/120VAC 1ϕ
60Hz
100A SERVICE MINIMUM
R1-101.08
120 OHMS
CBL/BLU
RS485 +
101.09
CBL/ORG
RS485 -
101.10
CBL/BLK
GND
101.11
CBL1-101.13/SHLD
CBL1-101.13/BLU/WHT
CBL1-101.13/WHT/BLU
SOLDER AND HEATSHRINK
COM CABLE JOINTS
TO RACK 1 SLOT 1 6
to 120.15
101.11
TO RACK 1 SLOT 1 5
to 120.13
101.10
TO RACK 1 SLOT 1 4
to 120.11
101.09
TR1-101.11
GROUND BAR
NEUTRAL BAR
TAN_18AWG
BLU_18AWG
PW1-101.09
RED_18AWG
BLK_18AWG
23 TRANSFER
0 GROUND
194 +12V
BLACK_22AWG
RED_22AWG
BS
101.15
PD1-101.18
PD1-101.18A
PD1-101.18B
101.19A
101.19A
to 102.01
240V L1
101.19
101.19
to 102.03,102.04
240V L2
101.15
to 102.03,102.04
240V N
IF A GROUNDED UTILITY
IS USED THE BONDING
JUMPER MUST BE REMOVED
GENERATOR ECU
CONTROL BOARD
REDGRN_18AWG
CR1-101.30
BLU_18AWG
101.30
GENERATOR CONTROL RELAY
GENERATOR CONTROL RELAY
CR1-101.30
102.22A
from 121.64
FROM TB2-39
WHT_22AWG
102.22A
BLU_22AWG
113.05
NO 101.26
NC
113.05
from 121.51
FROM TB2-11
LARSON
ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143
TITLE
WCDE-49-16X1500
DRAWN BY
P.CRYER
DATE
03-16-2021
REV
A
CHECKED BY
S.DESAI
SHEET #
1 OF 29
DRAWING #
101

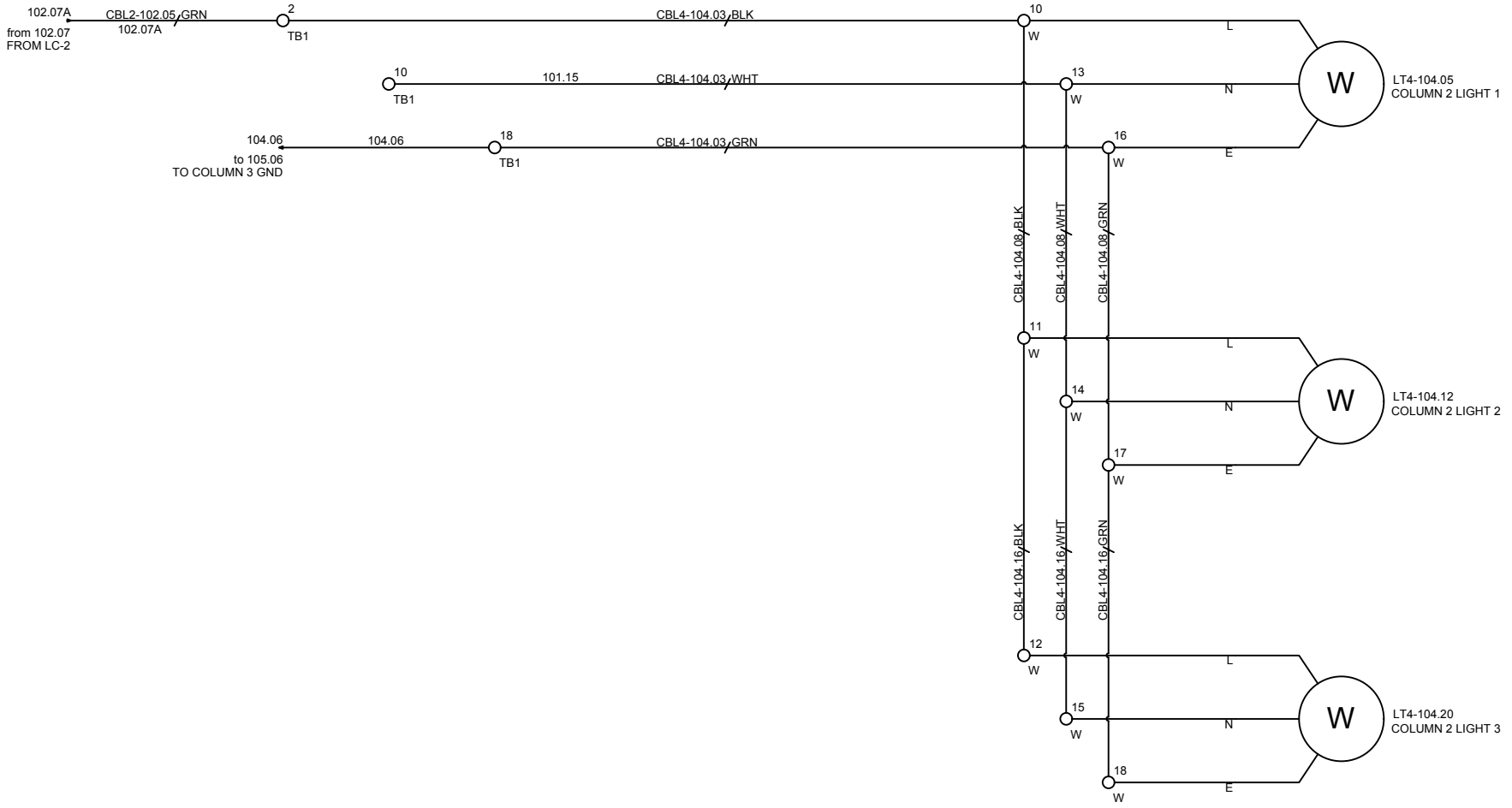


LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
WCDE-49-16X1500			
DRAWN BY	DATE	REV	
P.CRYER	03-16-2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	2 OF 29	102	

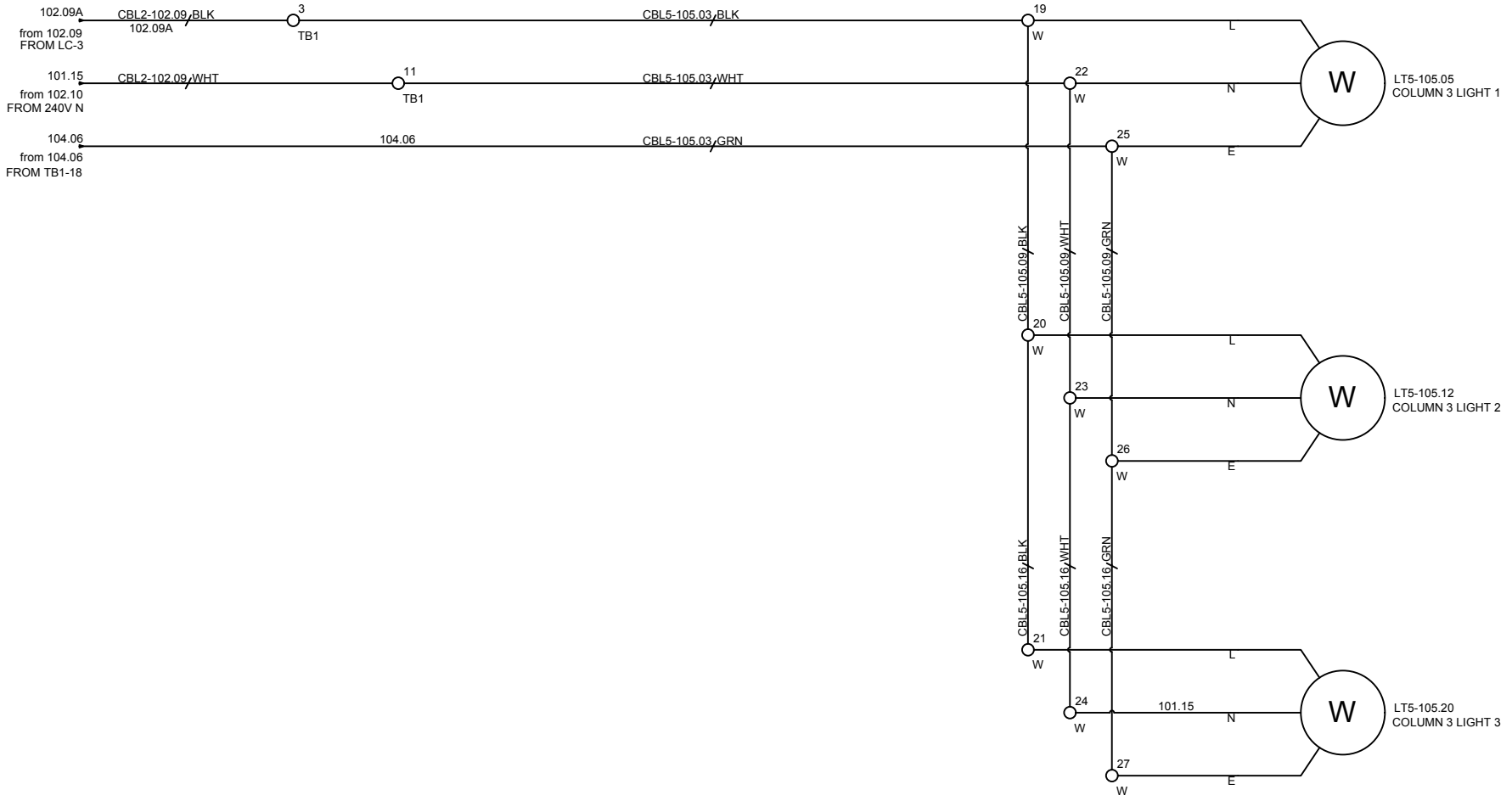


LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: WCDE-49-16X1500		
	DRAWN BY: P.CRYER	DATE: 03-16-2021	REV: A
	CHECKED BY: S.DESAI	SHEET #: 3 OF 29	DRAWING #: 103



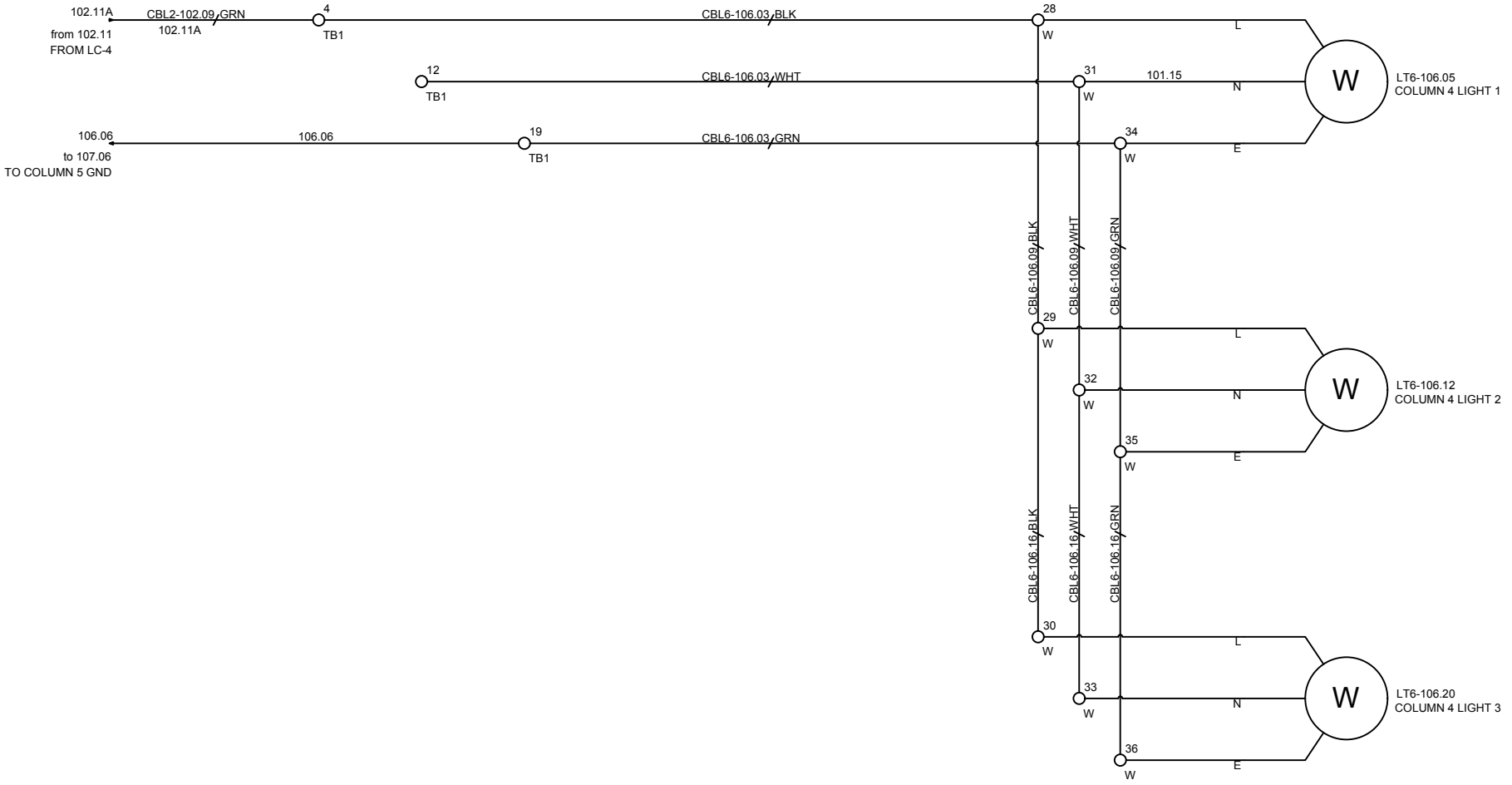
LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
WCDE-49-16X1500			
DRAWN BY	DATE	REV	
P.CRYER	03-16-2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	4 OF 29	104	



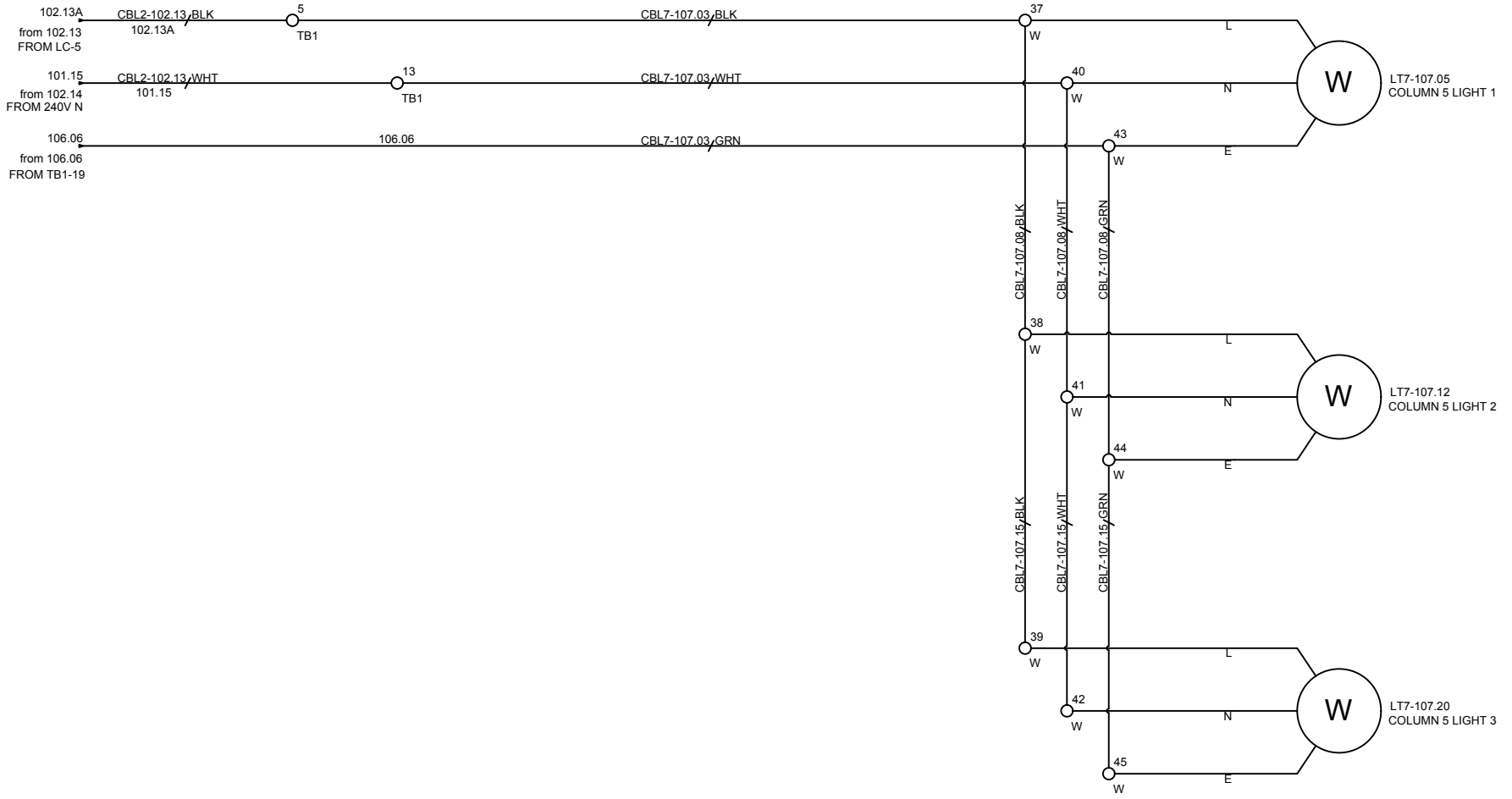
LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
WCDE-49-16X1500			
DRAWN BY	DATE	REV	
P.CRYER	03-16-2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	5 OF 29	105	

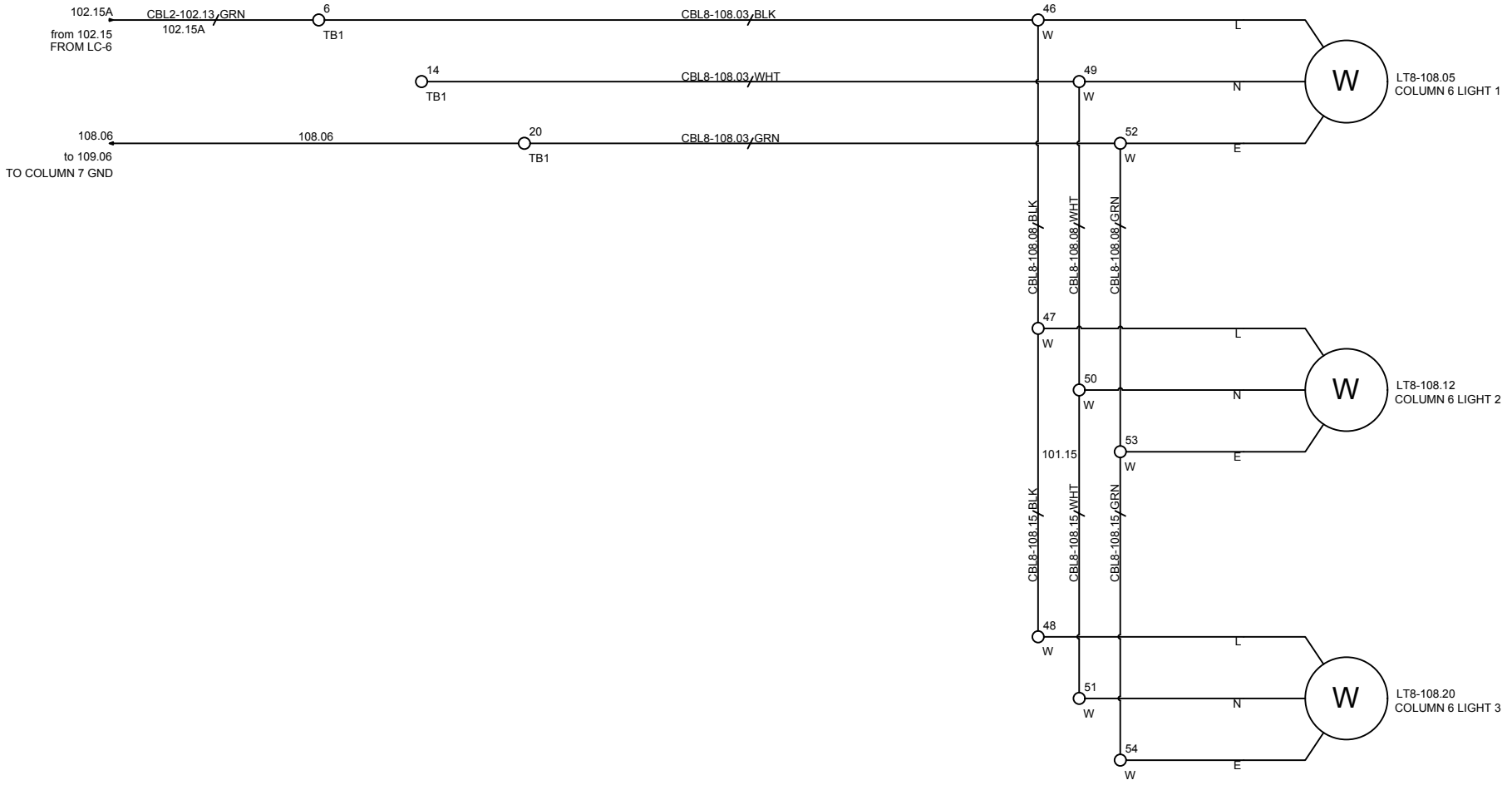


LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

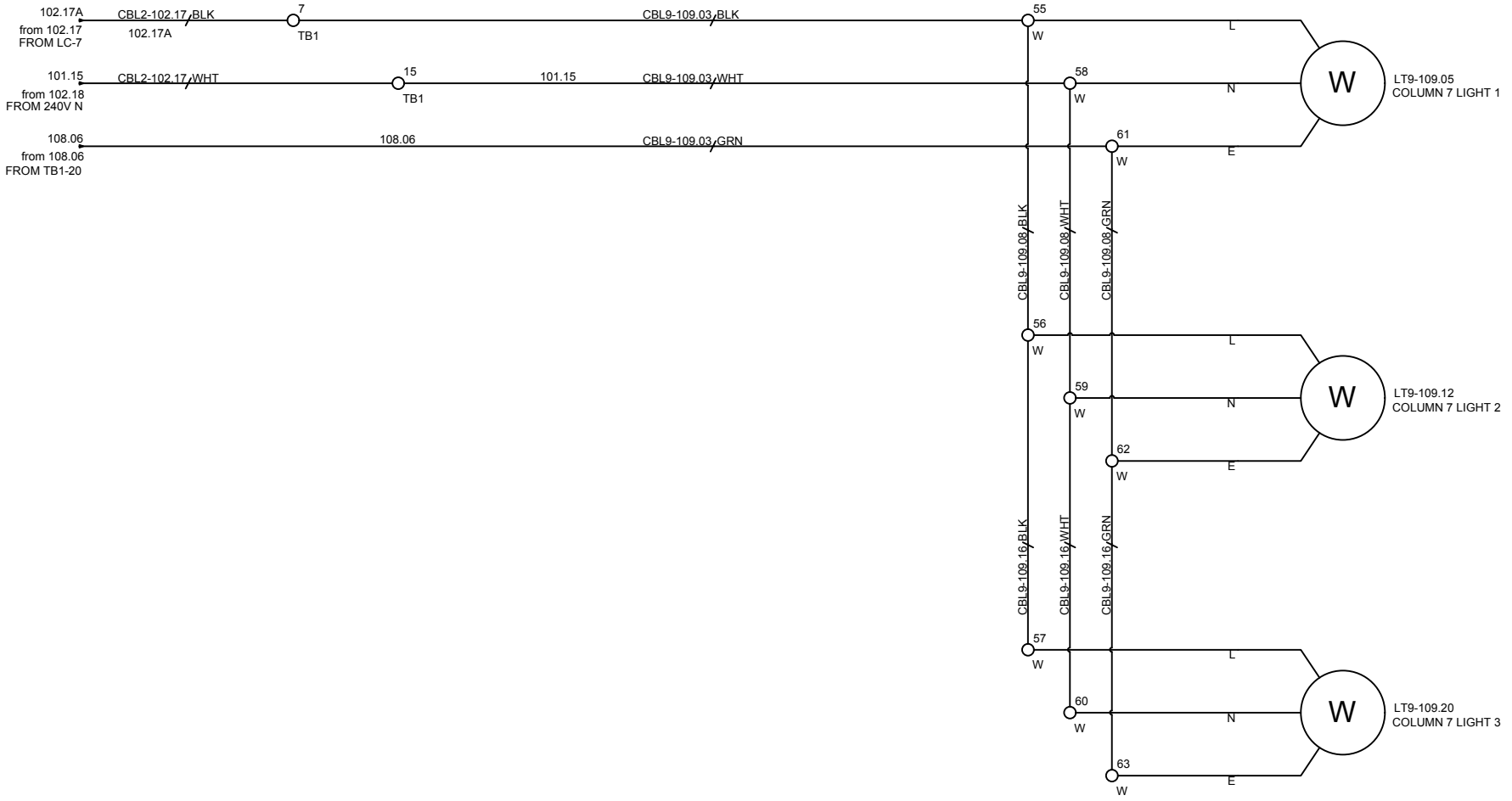
TITLE			
WCDE-49-16X1500			
DRAWN BY	DATE	REV	
P.CRYER	03-16-2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	6 OF 29	106	



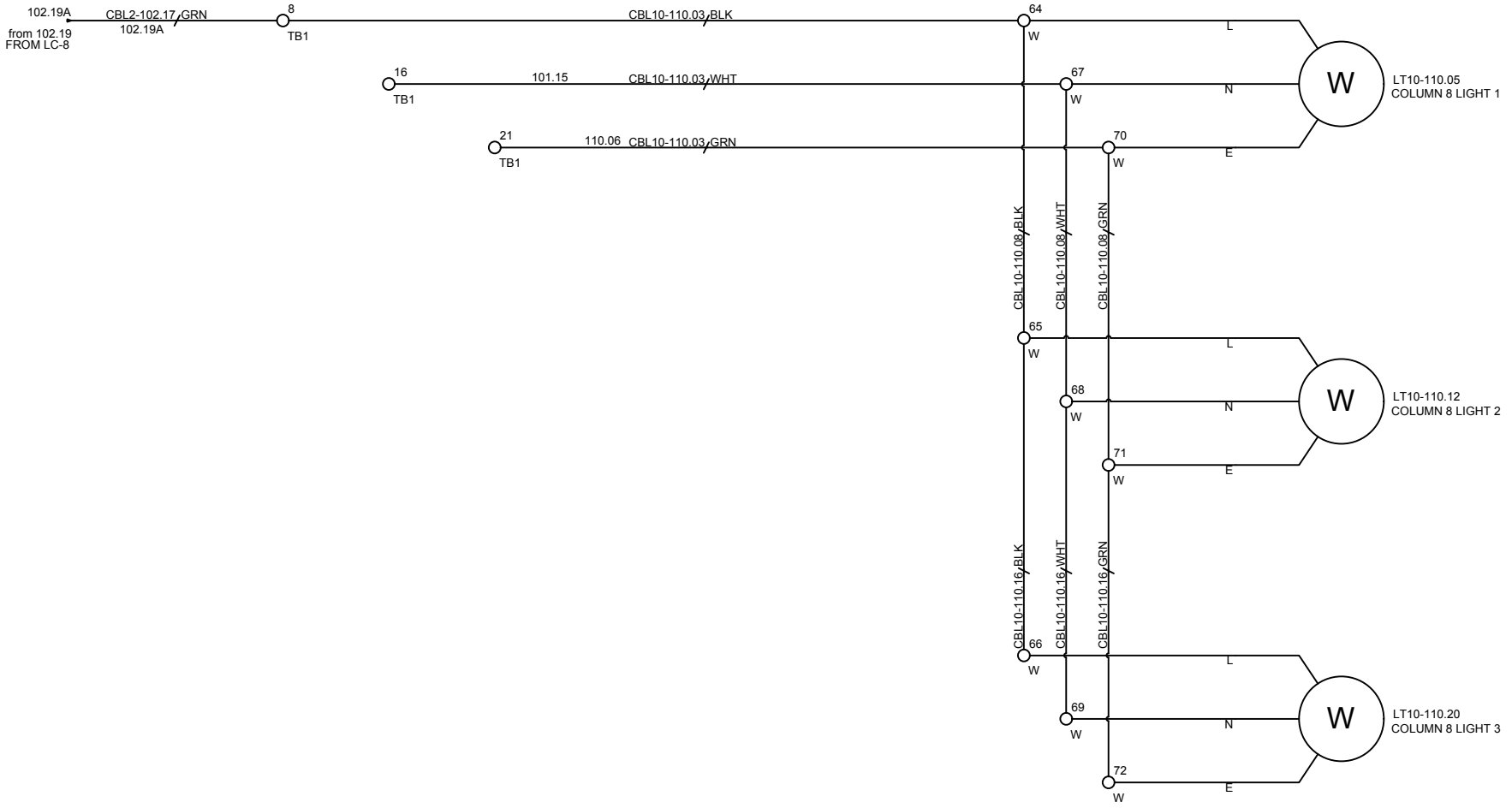
LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: WCDE-49-16X1500		
	DRAWN BY: P.CRYER	DATE: 03-16-2021	REV: A
	CHECKED BY: S.DESAI	SHEET #: 7 OF 29	DRAWING #: 107



LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: WCDE-49-16X1500		
	DRAWN BY: P.CRYER	DATE: 03-16-2021	REV: A
	CHECKED BY: S.DESAI	SHEET #: 8 OF 29	DRAWING #: 108



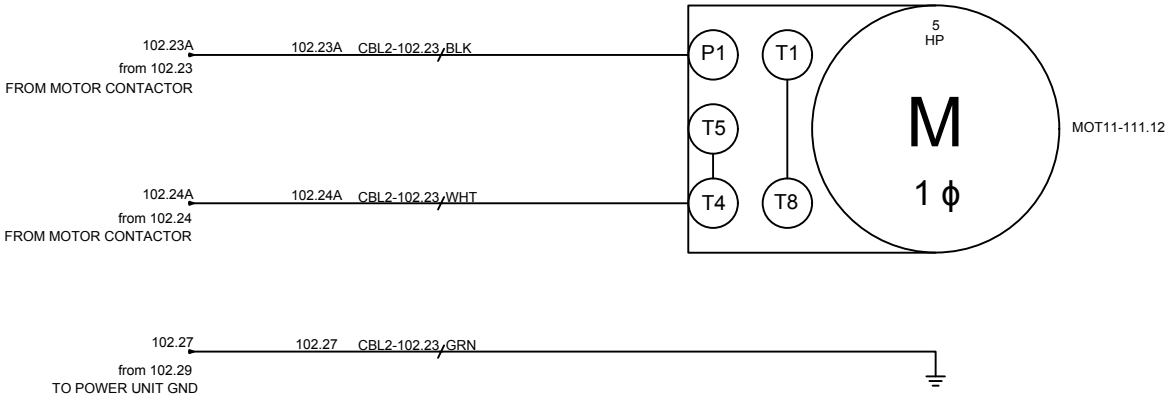
LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: WCDE-49-16X1500		
	DRAWN BY: P.CRYER	DATE: 03-16-2021	REV: A
	CHECKED BY: S.DESAI	SHEET #: 9 OF 29	DRAWING #: 109



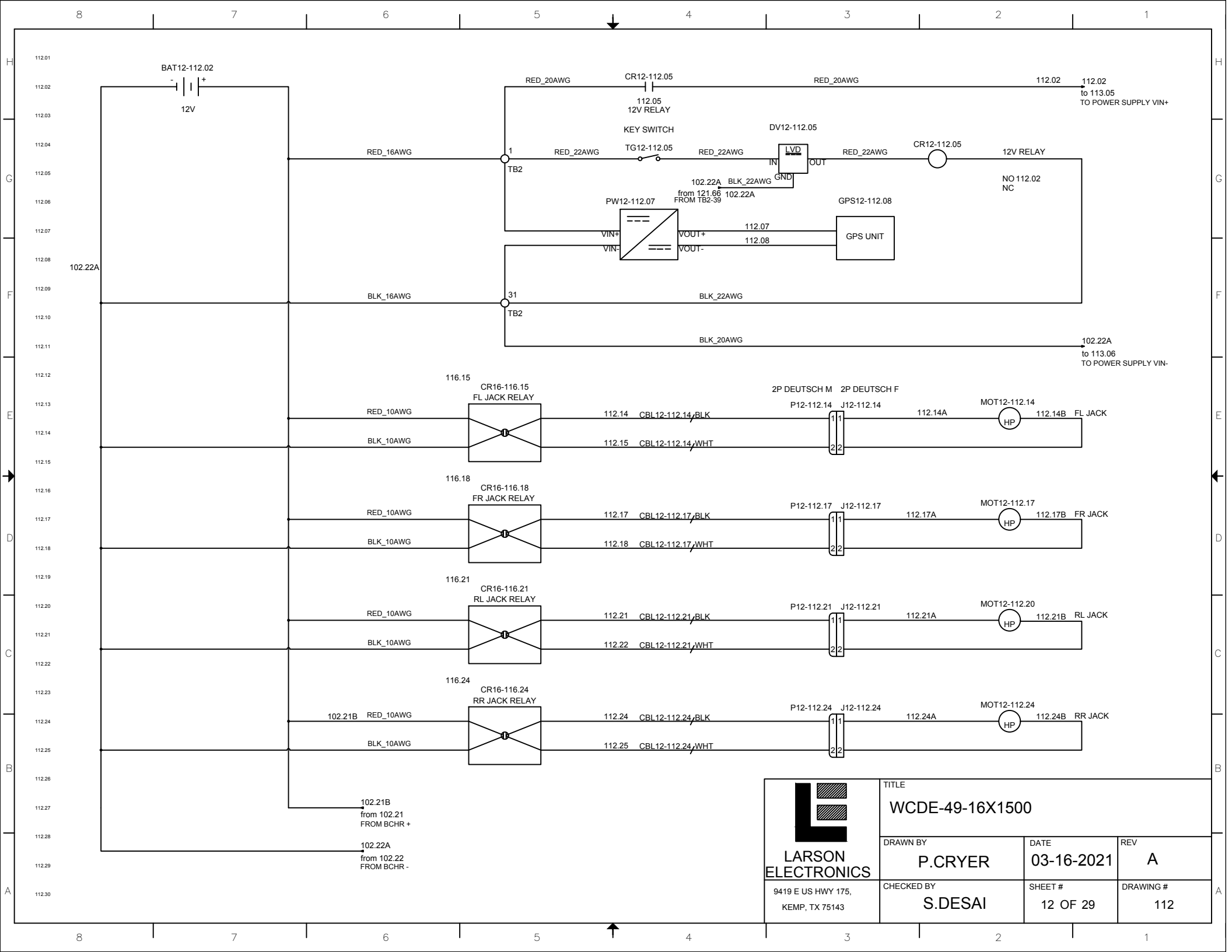
LARSON ELECTRONICS

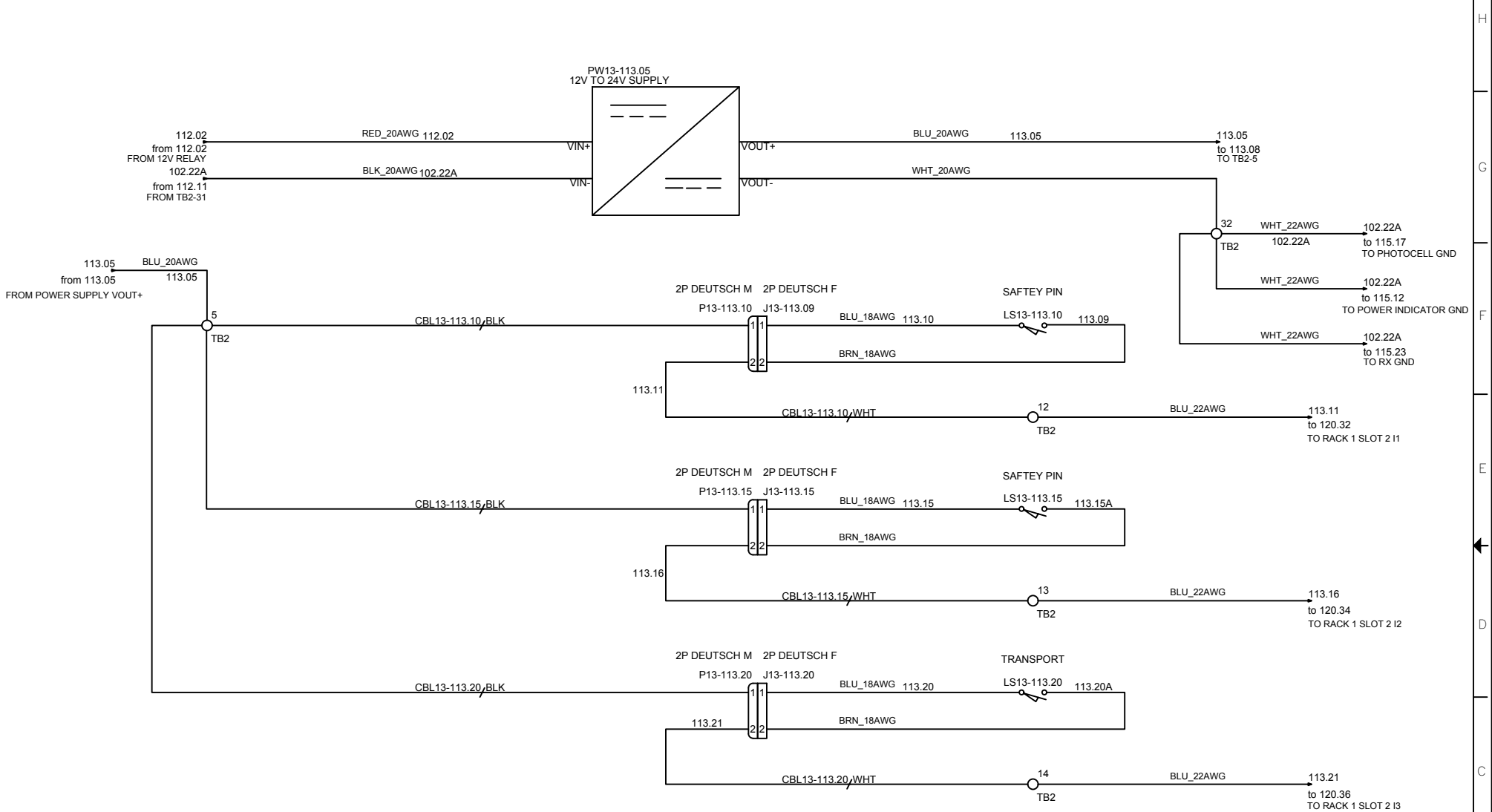
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
WCDE-49-16X1500			
DRAWN BY	DATE	REV	
P.CRYER	03-16-2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	10 OF 29	110	



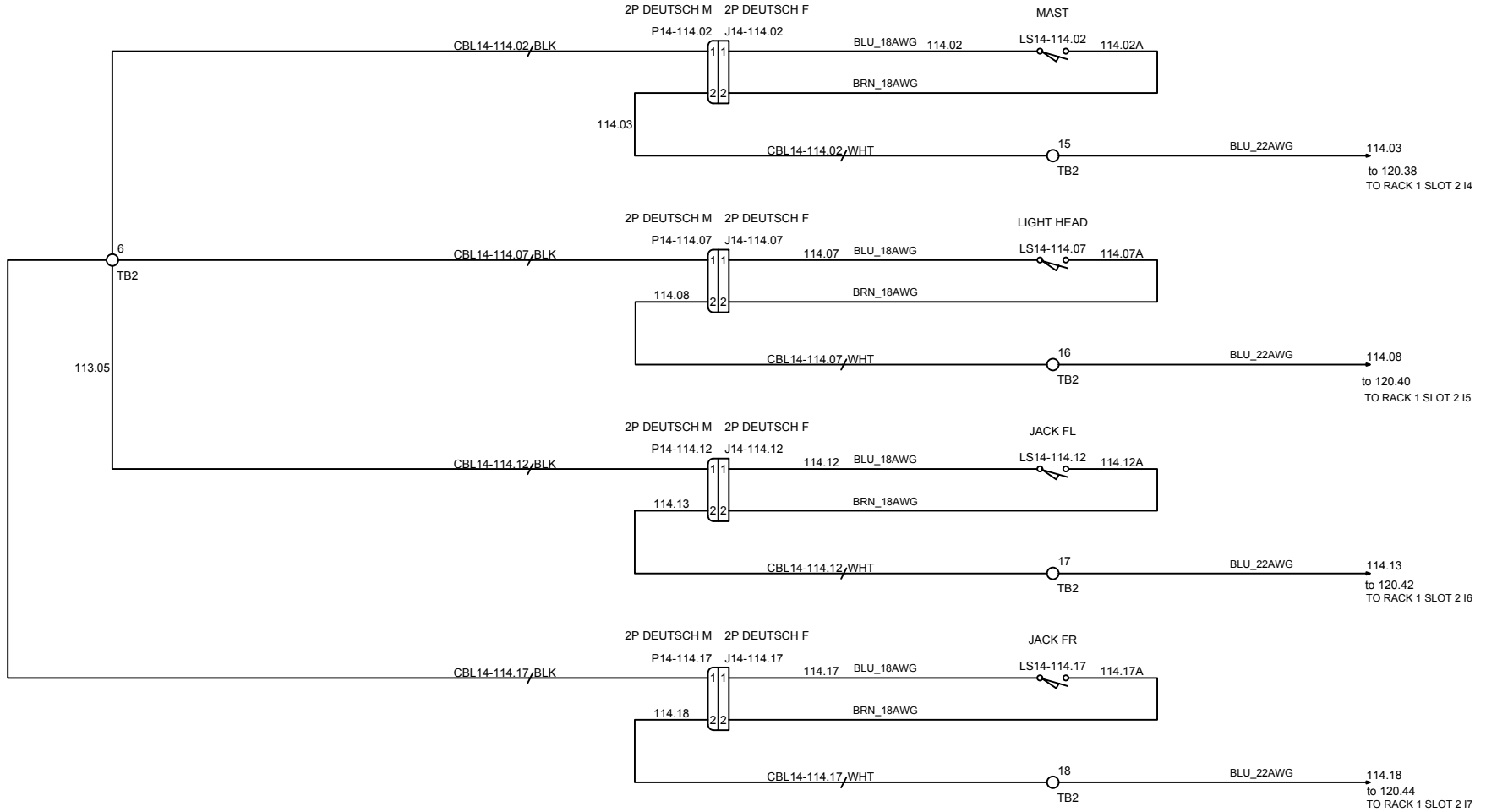
LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: WCDE-49-16X1500		
	DRAWN BY: P.CRYER	DATE: 03-16-2021	REV: A
	CHECKED BY: S.DESAI	SHEET #: 11 OF 29	DRAWING #: 111


BAT12-112.02
12V
102.22A
RED_20AWG
CR12-112.05
112.05
12V RELAY
RED_20AWG
112.02
112.02
to 113.05
TO POWER SUPPLY VIN+
KEY SWITCH
TG12-112.05
DV12-112.05
LVD
IN
OUT
GND
CR12-112.05
12V RELAY
NO 112.02
NC
RED_16AWG
1
TB2
RED_22AWG
RED_22AWG
RED_22AWG
102.22A
BLK_22AWG
from 121.66
FROM TB2-39
102.22A
PW12-112.07
GPS12-112.08
VIN+
VIN-
VOUT+
VOUT-
112.07
112.08
GPS UNIT
BLK_16AWG
31
TB2
BLK_22AWG
BLK_20AWG
102.22A
to 113.06
TO POWER SUPPLY VIN-
116.15
CR16-116.15
FL JACK RELAY
2P DEUTSCH M
2P DEUTSCH F
P12-112.14
J12-112.14
MOT12-112.14
RED_10AWG
BLK_10AWG
112.14
CBL12-112.14/BLK
112.15
CBL12-112.14/WHT
112.14A
HP
112.14B
FL JACK
116.18
CR16-116.18
FR JACK RELAY
P12-112.17
J12-112.17
MOT12-112.17
RED_10AWG
BLK_10AWG
112.17
CBL12-112.17/BLK
112.18
CBL12-112.17/WHT
112.17A
HP
112.17B
FR JACK
116.21
CR16-116.21
RL JACK RELAY
P12-112.21
J12-112.21
MOT12-112.20
RED_10AWG
BLK_10AWG
112.21
CBL12-112.21/BLK
112.22
CBL12-112.21/WHT
112.21A
HP
112.21B
RL JACK
116.24
CR16-116.24
RR JACK RELAY
P12-112.24
J12-112.24
MOT12-112.24
102.21B
RED_10AWG
BLK_10AWG
112.24
CBL12-112.24/BLK
112.25
CBL12-112.24/WHT
112.24A
HP
112.24B
RR JACK
102.21B
from 102.21
FROM BCHR +
102.22A
from 102.22
FROM BCHR -
LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143
TITLE
WCDE-49-16X1500
DRAWN BY
P.CRYER
DATE
03-16-2021
REV
A
CHECKED BY
S.DESAI
SHEET #
12 OF 29
DRAWING #
112



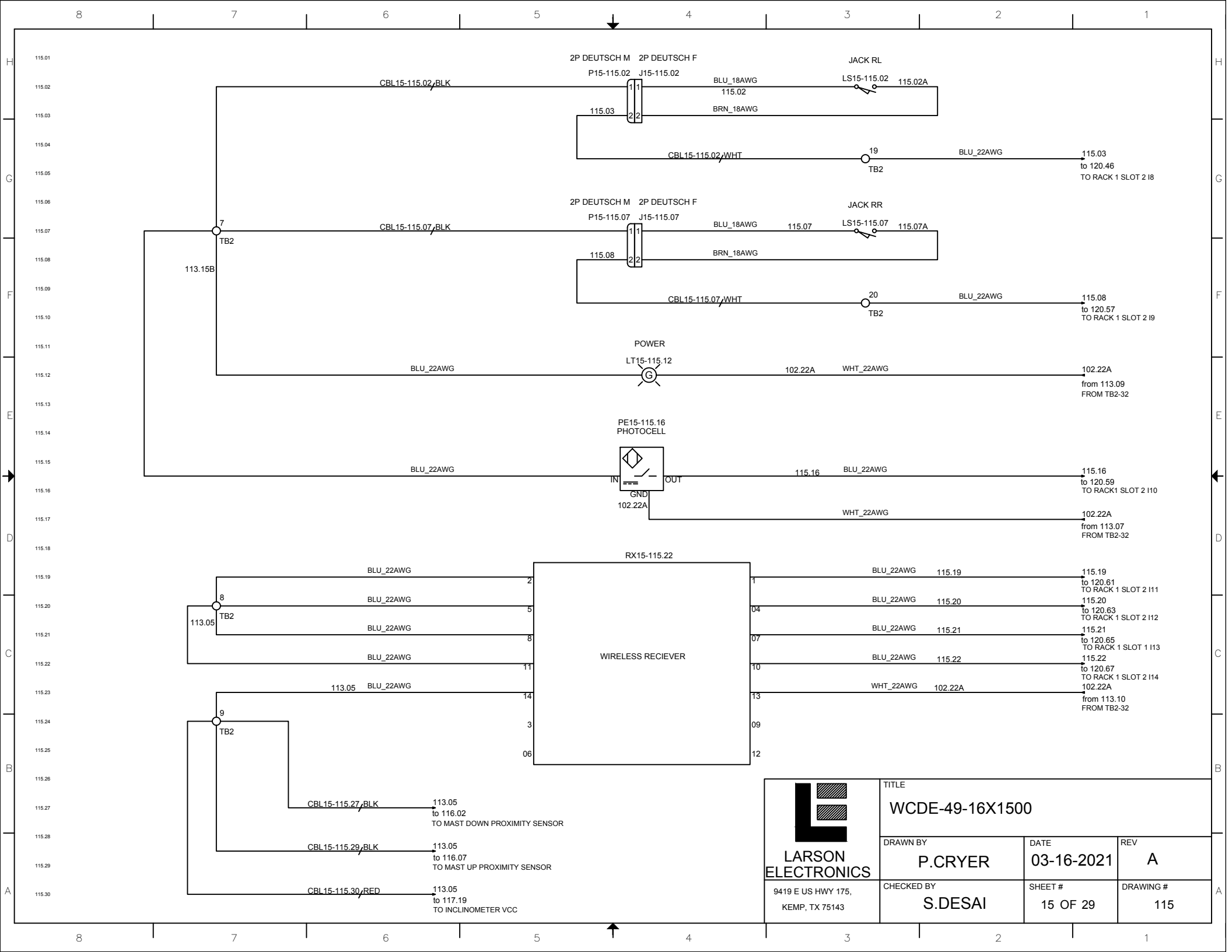
LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
WCDE-49-16X1500			
DRAWN BY	DATE	REV	
P.CRYER	03-16-2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	13 OF 29	113	



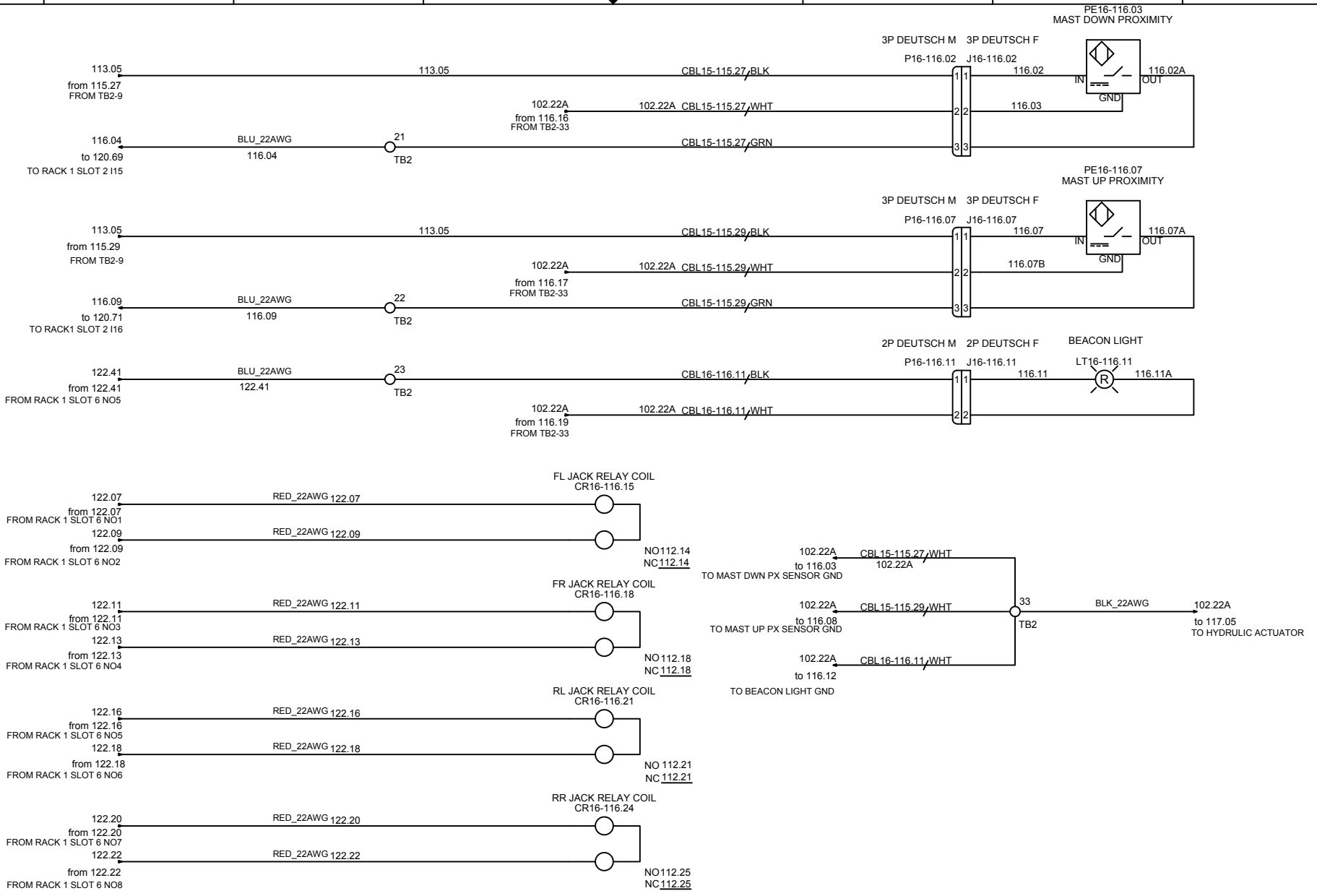
LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
WCDE-49-16X1500			
DRAWN BY	DATE	REV	
P.CRYER	03-16-2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	14 OF 29	114	

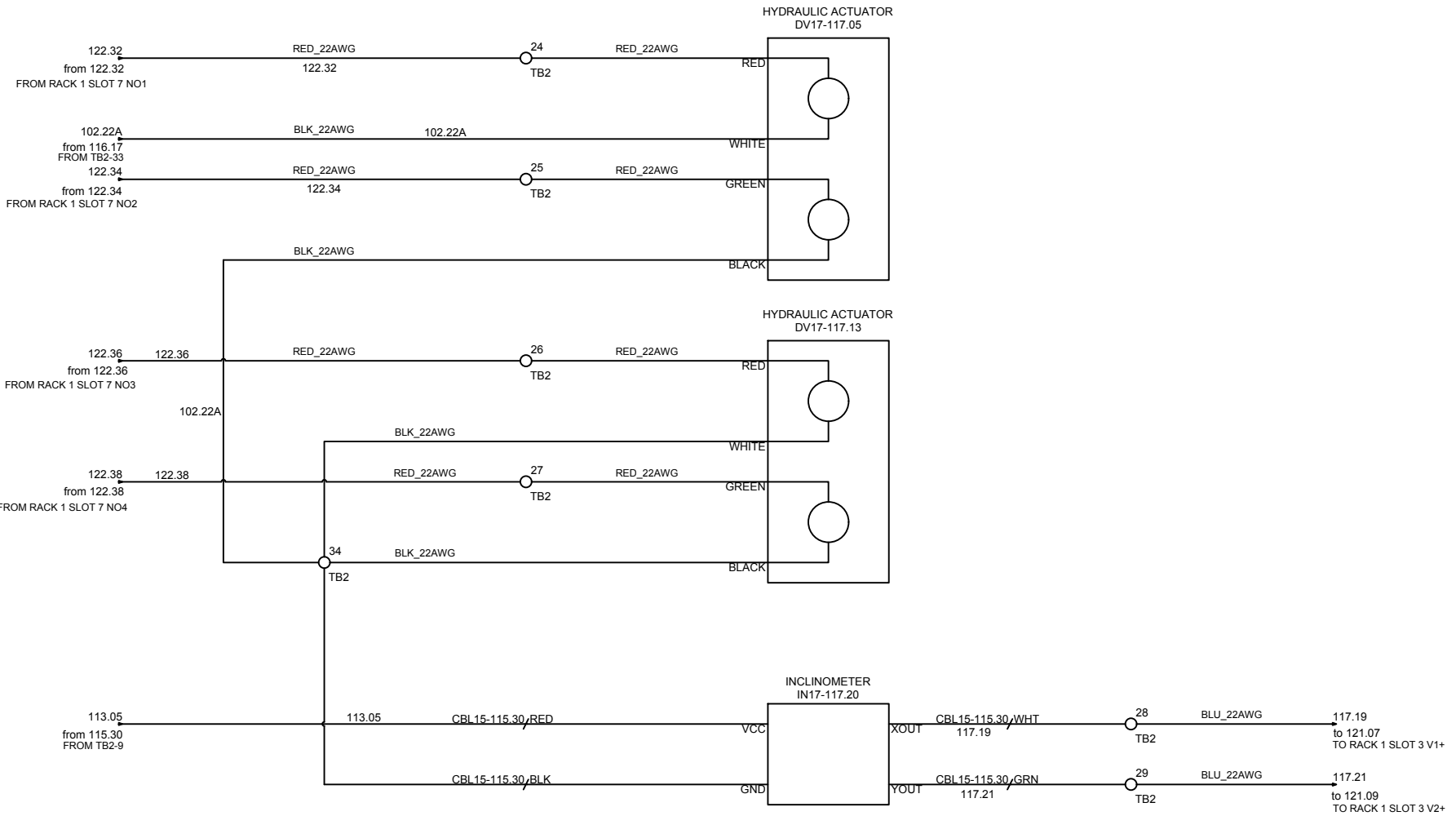


LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
WCDE-49-16X1500			
DRAWN BY	DATE	REV	
P.CRYER	03-16-2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	15 OF 29	115	

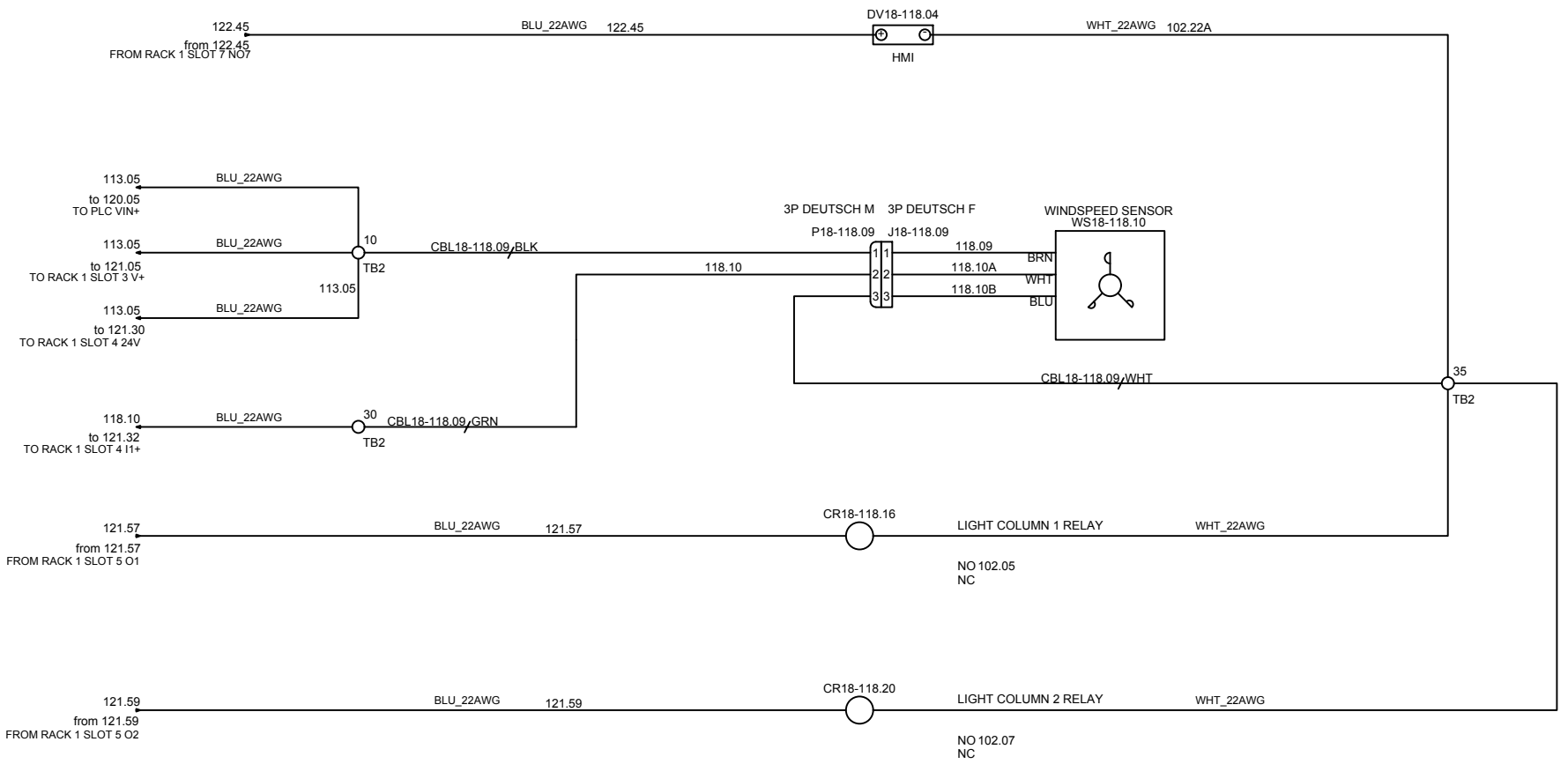


LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: WCDE-49-16X1500		
	DRAWN BY: P.CRYER	DATE: 03-16-2021	REV: A
	CHECKED BY: S.DESAI	SHEET #: 16 OF 29	DRAWING #: 116



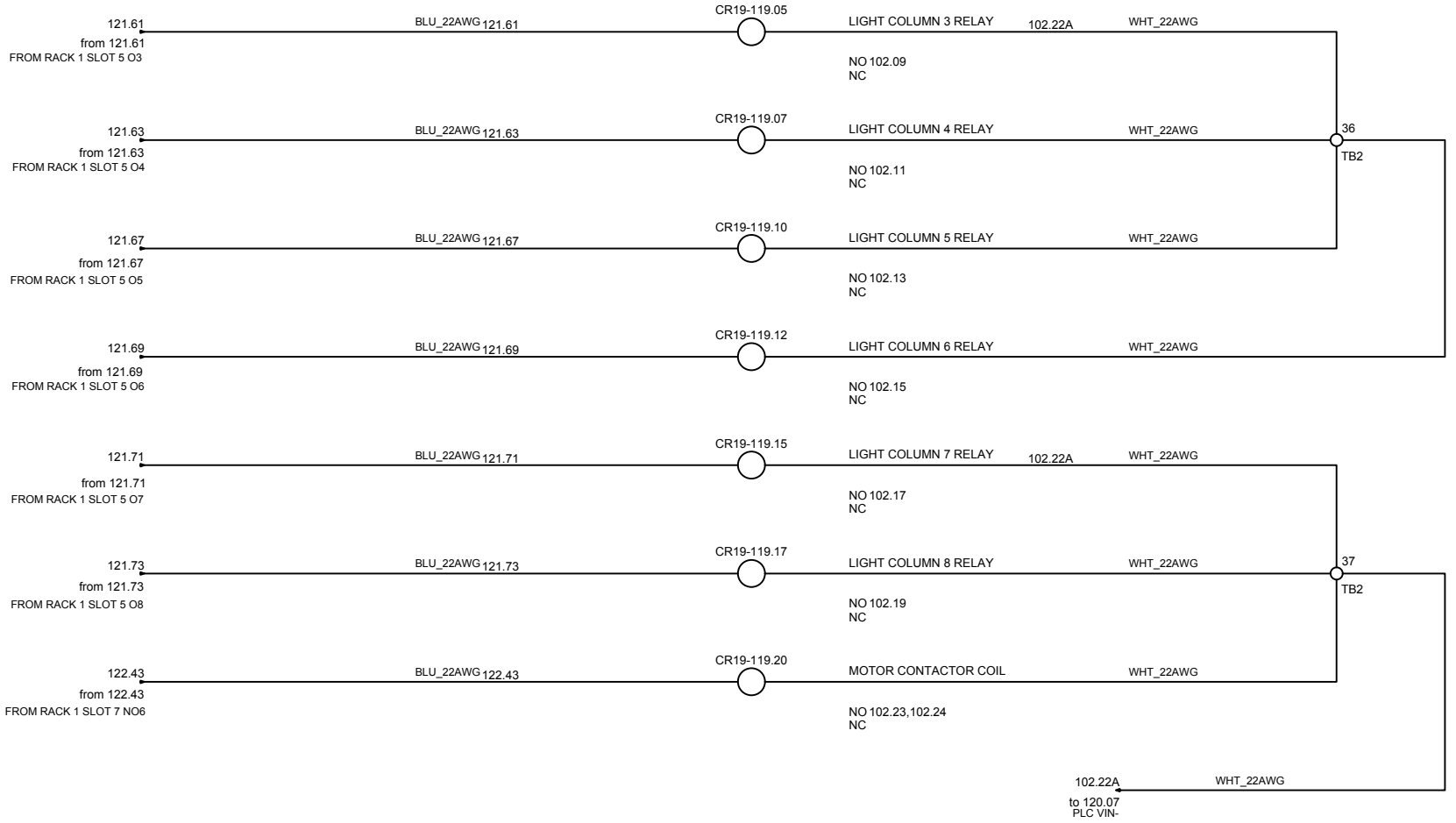
LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
WCDE-49-16X1500			
DRAWN BY	DATE	REV	
P.CRYER	03-16-2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	17 OF 29	117	



LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
WCDE-49-16X1500			
DRAWN BY	DATE	REV	
P.CRYER	03-16-2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	18 OF 29	118	



LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: WCDE-49-16X1500		
	DRAWN BY: P.CRYER	DATE: 03-16-2021	REV: A
	CHECKED BY: S.DESAI	SHEET #: 19 OF 29	DRAWING #: 119

AUTOMATION DIRECT
UNV00012307
RACK 1
SLOT 1

PRODUCTIVITY 1000 CPU

PLC120.05

113.05
from 118.08
FROM TB2-10
BLU_22AWG 113.05
1 VIN+

102.22A
from 119.22
FROM TB2-37
WHT_22AWG 102.22A
2 VIN-

3 RS485-T

101.09
from 101.15
RS-485+
CBL1-101.13 / WHT/BLU
101.09
4 RS485+

R20-120.12
120 OHMS

101.10
from 101.15
RS-485-
CBL1-101.13 / BLU/WHT
101.10
5 RS485-

101.11
from 101.15
SHIELD
CBL1-101.13 / SHLD
101.11
6 RS485G

7 RS232

8 ETHERNET

102.22A
38
TB2

WHT_22AWG 102.22A
to 120.30
TO RACK 1 SLOT 2 C1

WHT_22AWG 102.22A
to 120.55
TO RACK 1 SLOT 2 C2

WHT_22AWG 102.22A
to 121.15
TO RACK 1 SLOT 3 0V

WHT_22AWG 102.22A
to 121.40
TO RACK 1 SLOT 4 0V

AUTOMATION DIRECT
UNV00014874
RACK 1
SLOT 2
16 POINT DISCRETE INPUT MODULE

PLC120.30

102.22A
from 120.21
FROM TB2-38
WHT_22AWG
1 C1

113.11
from 113.12
FROM TB2-12
BLU_22AWG 113.11
2 I:120.30/01 1
SAFTEY PIN 1

113.16
from 113.17
FROM TB2-13
BLU_22AWG 113.16
3 I:120.30/02 2
SAFTEY PIN 2

113.21
from 113.22
FROM TB2-14
BLU_22AWG 113.21
4 I:120.30/03 3
TRANSPORT

114.03
from 114.05
FROM TB2-15
BLU_22AWG 114.03
5 I:120.30/04 4
MAST

114.08
from 114.10
FROM TB2-16
BLU_22AWG 114.08
6 I:120.30/05 5
LIGHT HEAD

114.13
from 114.15
FROM TB2-17
BLU_22AWG 114.13
7 I:120.30/06 6
JACK FL

114.18
from 114.20
FROM TB2-18
BLU_22AWG 114.18
8 I:120.30/07 7
JACK FR

115.03
from 115.05
FROM TB2-19
BLU_22AWG 115.03
9 I:120.30/08 8
JACK RL

PLC120.30

102.22A
from 120.22
FROM TB2-38
WHT_22AWG102.22A
10 C2

115.08
from 115.10
FROM TB2-20
BLU_22AWG 115.08
11 I:120.30/09 9
JACK RR

115.16
from 115.16
FROM PHOTOCELL
BLU_22AWG 115.16
12 I:120.30/10 10
PHOTOCELL

115.19
from 115.19
FROM RX-1
BLU_22AWG 115.19
13 I:120.30/11 11
RX 1

115.20
from 115.20
FROM RX-4
BLU_22AWG 115.20
14 I:120.30/12 12
RX 2

115.21
from 115.21
FROM RX-7
BLU_22AWG 115.21
15 I:120.30/13 13
RX 3

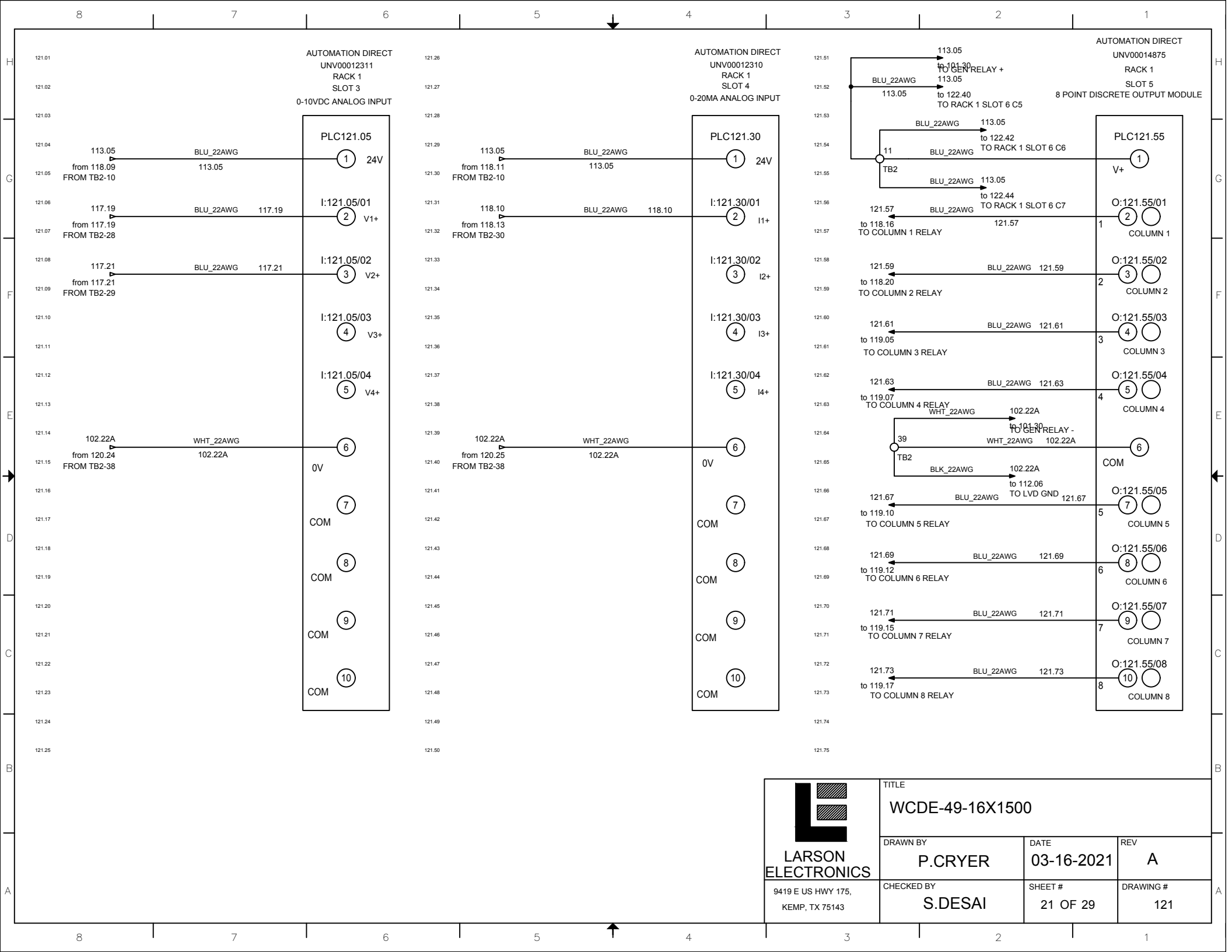
115.22
from 115.22
FROM RX-10
BLU_22AWG 115.22
16 I:120.30/14 14
RX 4

116.04
from 116.04
FROM TB2-21
BLU_22AWG 116.04
17 I:120.30/15 15
PX 1

116.09
from 116.09
FROM TB2-22
BLU_22AWG 116.09
18 I:120.30/16 16
PX 2

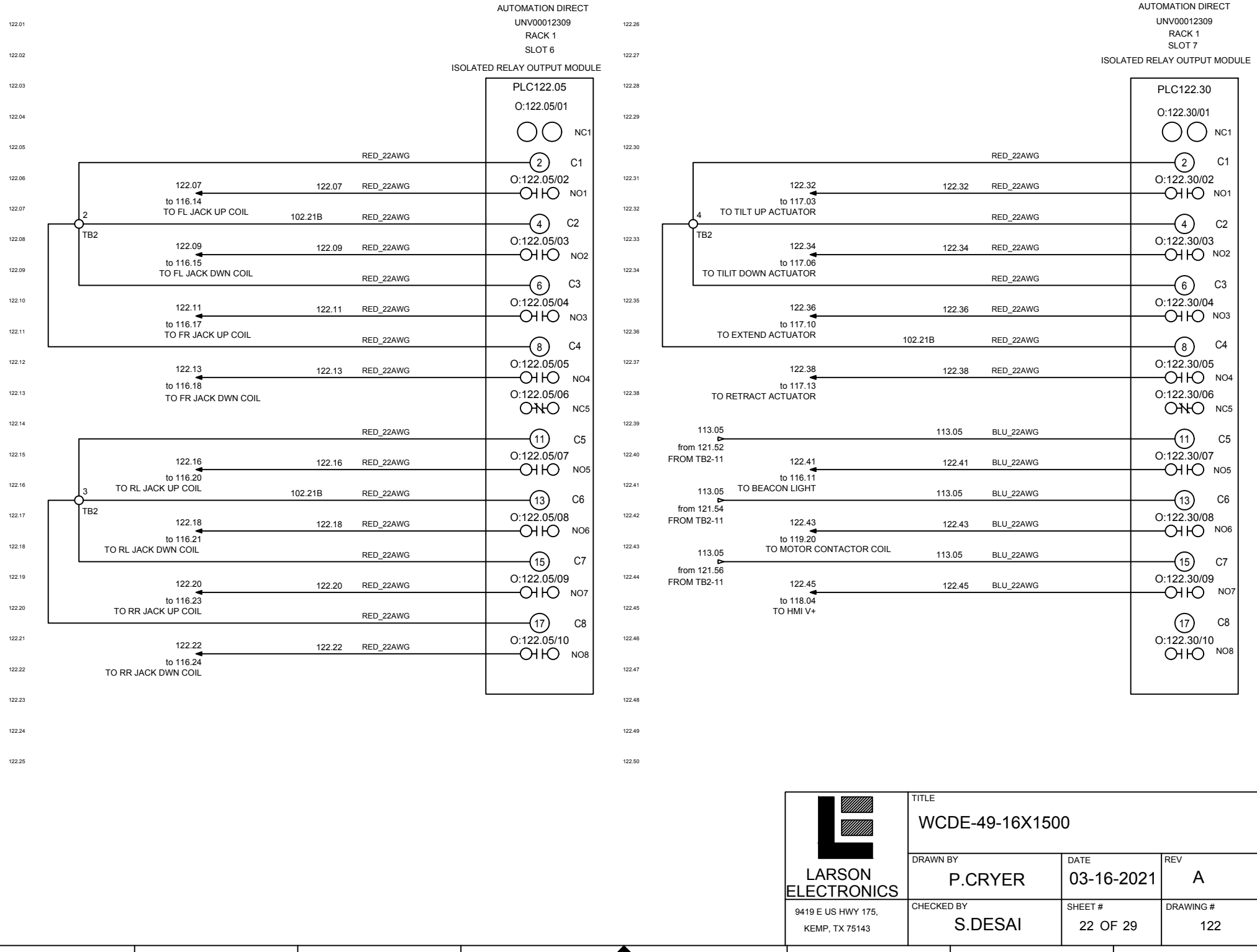
LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
WCDE-49-16X1500			
DRAWN BY	DATE	REV	
P.CRYER	03-16-2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	20 OF 29	120	



LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
WCDE-49-16X1500			
DRAWN BY	DATE	REV	
P.CRYER	03-16-2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	21 OF 29	121	



LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

TITLE			
WCDE-49-16X1500			
DRAWN BY	DATE	REV	
P.CRYER	03-16-2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	22 OF 29	122	

TB1-											
Device1	Pin1	Wire1	Type1	Number	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Jumper
CR18-118.16	NO	102.05A	WIRES	1	PHOENIX CONTACT	UNV00013971	WIRES	102.05A	1	W	
CR18-118.20		102.07A	WIRES	2	PHOENIX CONTACT	UNV00013971	WIRES	102.07A	10	W	
CR19-119.05		102.09A	WIRES	3	PHOENIX CONTACT	UNV00013971	WIRES	102.09A	19	W	
CR19-119.07		102.11A	WIRES	4	PHOENIX CONTACT	UNV00013971	WIRES	102.11A	28	W	
CR19-119.10		102.13A	WIRES	5	PHOENIX CONTACT	UNV00013971	WIRES	102.13A	37	W	
CR19-119.12		102.15A	WIRES	6	PHOENIX CONTACT	UNV00013971	WIRES	102.15A	46	W	
CR19-119.15		102.17A	WIRES	7	PHOENIX CONTACT	UNV00013971	WIRES	102.17A	55	W	
CR19-119.17		102.19A	WIRES	8	PHOENIX CONTACT	UNV00013971	WIRES	102.19A	64	W	
TB1	11	101.15	WIRES	9	PHOENIX CONTACT	UNV00013970	WIRES	101.15	4	W	
W	13	101.15	WIRES	10	PHOENIX CONTACT	UNV00013970					
TB1	9	101.15	WIRES	11	PHOENIX CONTACT	UNV00013970	WIRES	101.15	13	TB1	
W	22	101.15	WIRES								
W	31	101.15	WIRES	12	PHOENIX CONTACT	UNV00013970					
TB1	11	101.15	WIRES	13	PHOENIX CONTACT	UNV00013970	WIRES	101.15			
W	40	101.15	WIRES								
W	49	101.15	WIRES	14	PHOENIX CONTACT	UNV00013970					
		101.15	WIRES	15	PHOENIX CONTACT	UNV00013970	WIRES	101.15	2	P2-102.21	
W	58	101.15	WIRES								
W	67	101.15	WIRES	16	PHOENIX CONTACT	UNV00013970					
PE	1		WIRES	17	PHOENIX CONTACT	UNV00013989	WIRES	102.27	7	W	
W	25	104.06	WIRES	18	PHOENIX CONTACT	UNV00013989	WIRES	104.06	16	W	
W	43	106.06	WIRES	19	PHOENIX CONTACT	UNV00013989	WIRES	106.06	34	W	
W	61	108.06	WIRES	20	PHOENIX CONTACT	UNV00013989	WIRES	108.06	52	W	
W	70	110.06	WIRES	21	PHOENIX CONTACT	UNV00013989					

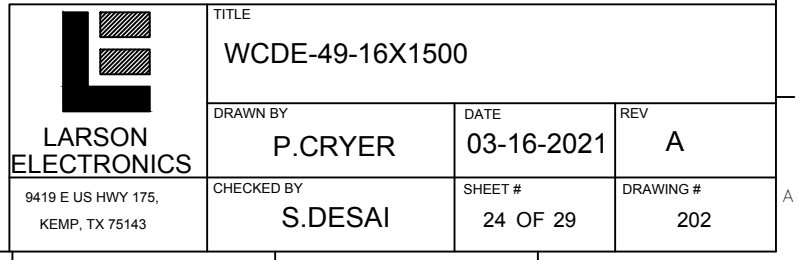
LARSON ELECTRONICS

9419 E US HWY 175,
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TB2-											
Device1	Pin1	Wire1	Type1	Number	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Jumper
CR16-116.15		102.21B	RED_10AWG	1	PHOENIX CONTACT	UNV00013974	RED_16AWG	102.21B	+	BAT12-112.02	
CR12-112.05		102.21B	RED_20AWG				RED_22AWG	102.21B		TG12-112.05	
PW12-112.07	VIN+	102.21B	WIRES								
PLC122.05	2	102.21B	RED_22AWG	2	PHOENIX CONTACT	UNV00013974	RED_22AWG	102.21B	8	PLC122.05	
PLC122.05	4	102.21B	RED_22AWG				RED_22AWG	102.21B	6	PLC122.05	
PLC122.05	11	102.21B	RED_22AWG	3	PHOENIX CONTACT	UNV00013974	RED_22AWG	102.21B	17	PLC122.05	
PLC122.05	13	102.21B	RED_22AWG				RED_22AWG	102.21B	15	PLC122.05	
PLC122.30	2	102.21B	RED_22AWG	4	PHOENIX CONTACT	UNV00013974	RED_22AWG	102.21B	8	PLC122.30	
PLC122.30	4	102.21B	RED_22AWG				RED_22AWG	102.21B	6	PLC122.30	
PW13-113.05	VOUT+	113.05	BLU_20AWG	5	PHOENIX CONTACT	UNV00013974	WIRES	113.05	1	P13-113.20	
P13-113.10	1	113.05	WIRES				WIRES	113.05	1	P13-113.15	
P14-114.02	1	113.05	WIRES	6	PHOENIX CONTACT	UNV00013974	WIRES	113.05	1	P14-114.17	
P14-114.07	1	113.05	WIRES				WIRES	113.05	1	P14-114.12	
P15-115.02	1	113.15B	WIRES	7	PHOENIX CONTACT	UNV00013974	BLU_22AWG	113.15B	IN	PE15-115.16	
P15-115.07	1	113.15B	WIRES				BLU_22AWG	113.15B		LT15-115.12	
RX15-115.22	2	113.05	BLU_22AWG	8	PHOENIX CONTACT	UNV00013974	BLU_22AWG	113.05	11	RX15-115.22	
RX15-115.22	5	113.05	BLU_22AWG				BLU_22AWG	113.05	8	RX15-115.22	
RX15-115.22	14	113.05	BLU_22AWG	9	PHOENIX CONTACT	UNV00013974	WIRES	113.05	VCC	IN17-117.20	
P16-116.02	1	113.05	WIRES				WIRES	113.05	1	P16-116.07	
PLC120.05	1	113.05	BLU_22AWG	10	PHOENIX CONTACT	UNV00013974	BLU_22AWG	113.05	1	PLC121.05	
P18-118.09	1	113.05	WIRES				BLU_22AWG	113.05	1	PLC121.30	
PLC122.30	13	113.05	BLU_22AWG	11	PHOENIX CONTACT	UNV00013974	BLU_22AWG	113.05	11	PLC122.30	
PLC121.55	1	113.05	BLU_22AWG				BLU_22AWG	113.05	15	PLC122.30	
P13-113.10	2	113.11	WIRES	12	PHOENIX CONTACT	UNV00013974	BLU_22AWG	113.11	2	PLC120.30	
P13-113.15	2	113.16	WIRES	13	PHOENIX CONTACT	UNV00013974	BLU_22AWG	113.16	3	PLC120.30	
P13-113.20	2	113.21	WIRES	14	PHOENIX CONTACT	UNV00013974	BLU_22AWG	113.21	4	PLC120.30	
P14-114.02	2	114.03	WIRES	15	PHOENIX CONTACT	UNV00013974	BLU_22AWG	114.03	5	PLC120.30	
P14-114.07	2	114.08	WIRES	16	PHOENIX CONTACT	UNV00013974	BLU_22AWG	114.08	6	PLC120.30	
P14-114.12	2	114.13	WIRES	17	PHOENIX CONTACT	UNV00013974	BLU_22AWG	114.13	7	PLC120.30	
P14-114.17	2	114.18	WIRES	18	PHOENIX CONTACT	UNV00013974	BLU_22AWG	114.18	8	PLC120.30	
P15-115.02	2	115.03	WIRES	19	PHOENIX CONTACT	UNV00013974	BLU_22AWG	115.03	9	PLC120.30	



TB2-											
Device1	Pin1	Wire1	Type1	Number	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Jumper
P15-115.07	2	115.08	WIRES	20	PHOENIX CONTACT	UNV00013974	BLU_22AWG	115.08	11	PLC120.30	
PLC120.30	17	116.04	BLU_22AWG	21	PHOENIX CONTACT	UNV00013971	WIRES	116.04	3	P16-116.02	
PLC120.30	18	116.09	BLU_22AWG	22	PHOENIX CONTACT	UNV00013974	WIRES	116.09	3	P16-116.07	
PLC122.30	O:122.30/0	122.41	BLU_22AWG	23	PHOENIX CONTACT	UNV00013974	WIRES	122.41	1	P16-116.11	
PLC122.30	O:122.30/0	122.32	RED_22AWG	24	PHOENIX CONTACT	UNV00013974	RED_22AWG	122.32	RED	DV17-117.05	
PLC122.30	O:122.30/0	122.34	RED_22AWG	25	PHOENIX CONTACT	UNV00013974	RED_22AWG	122.34	GREEN	DV17-117.05	
PLC122.30	O:122.30/0	122.36	RED_22AWG	26	PHOENIX CONTACT	UNV00013974	RED_22AWG	122.36	RED	DV17-117.13	
PLC122.30	O:122.30/0	122.38	RED_22AWG	27	PHOENIX CONTACT	UNV00013974	RED_22AWG	122.38	GREEN	DV17-117.13	
IN17-117.20	XOUT	117.19	WIRES	28	PHOENIX CONTACT	UNV00013974	BLU_22AWG	117.19	2	PLC121.05	
IN17-117.20	YOUT	117.21	WIRES	29	PHOENIX CONTACT	UNV00013974	BLU_22AWG	117.21	3	PLC121.05	
P18-118.09	2	118.10	WIRES	30	PHOENIX CONTACT	UNV00013974	BLU_22AWG	118.10	2	PLC121.30	
CR16-116.15		102.22A	BLK_10AWG	31	PHOENIX CONTACT	UNV00013975	BLK_16AWG	102.22A	-	BAT12-112.02	
CR12-112.05		102.22A	BLK_22AWG				WIRES	102.22A	VIN-	PW12-112.07	
PW13-113.05	VIN-	102.22A	BLK_20AWG								
PW13-113.05	VOUT-	102.22A	WHT_20AWG	32	PHOENIX CONTACT	UNV00013975	WHT_22AWG	102.22A	13	RX15-115.22	
PE15-115.16	GND	102.22A	WHT_22AWG				WHT_22AWG	102.22A		LT15-115.12	
P16-116.02	2	102.22A	WIRES	33	PHOENIX CONTACT	UNV00013975	WIRES	102.22A	2	P16-116.07	
P16-116.11	2	102.22A	WIRES				BLK_22AWG	102.22A	WHITE	DV17-117.05	
DV17-117.05	BLACK	102.22A	BLK_22AWG	34	PHOENIX CONTACT	UNV00013975	BLK_22AWG	102.22A	WHITE	DV17-117.13	
DV17-117.13	BLACK	102.22A	BLK_22AWG				WIRES	102.22A	GND	IN17-117.20	
DV18-118.04	-	102.22A	WHT_22AWG	35	PHOENIX CONTACT	UNV00013975	WIRES	102.22A	3	P18-118.09	
CR18-118.20		102.22A	WHT_22AWG				WHT_22AWG	102.22A		CR18-118.16	
CR19-119.05		102.22A	WHT_22AG	36	PHOENIX CONTACT	UNV00013975	WHT_22AG	102.22A		CR19-119.07	
CR19-119.12		102.22A	WHT_22AG				WHT_22AG	102.22A		CR19-119.10	
CR19-119.15		102.22A	WHT_22AG	37	PHOENIX CONTACT	UNV00013975	WHT_22AG	102.22A		CR19-119.17	
PLC120.05	2	102.22A	WHT_22AWG				WHT_22AG	102.22A		CR19-119.20	
PLC120.30	1	102.22A	WHT_22AWG	38	PHOENIX CONTACT	UNV00013975	WHT_22AWG	102.22A	10	PLC120.30	
PLC121.30	6	102.22A	WHT_22AWG				WHT_22AWG	102.22A	6	PLC121.05	
DV12-112.05	GND	102.22A	BLK_22AWG	39	PHOENIX CONTACT	UNV00013975	WHT_22AWG	102.22A	6	PLC121.55	

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TAGS	QTY	CATALOG	DESCRIPTION
BAT12-112.02	1	UNV00009857	250AH 12V SLA BATTERY
J16-116.02 J16-116.07 J18-118.09	3	UNV00005477	DEUTSCH CONNECTOR - 3 POSITION - FEMALE
P16-116.02 P16-116.07 P18-118.09	3	UNV00005481	DEUTSCH CONNECTOR - 3 POSITION - MALE
J13-113.09 J13-113.15 J13-113.20 J14-114.02 J14-114.07 J14-114.12 J14-114.17 J15-115.02 J15-115.07 J16-116.11 J2-102.21	11	UNV00005476	DEUTSCH CONNECTOR - 2 POSITION - FEMALE
P13-113.10 P13-113.15 P13-113.20 P14-114.02 P14-114.07 P14-114.12 P14-114.17 P15-115.02 P15-115.07 P16-116.11 P2-102.21	11	UNV00005480	DEUTSCH CONNECTOR - 2 POSITION - MALE
P12-112.14 P12-112.17 P12-112.21 P12-112.24	4	UNV00005486	DEUTSCH CONNECTOR - 2 POSITION - MALE - 10-14AWG
J12-112.14 J12-112.17 J12-112.21 J12-112.24	4	UNV00014332	DEUTSCH CONNECTOR - 2 POSITION - FEMALE - 10-14AWG
CB2-102.21	1	UNV00015258	4A MINATURE SINGLEPOLE CIRCUIT BREAKER - C CURVE
CB2-102.23	1	UNV00015259	30A-MINATURE-DOUBLEPOLE-CIRUIT_BREAKER
CB2-102.05 CB2-102.07 CB2-102.09 CB2-102.11 CB2-102.13 CB2-102.15 CB2-102.17 CB2-102.19	8	UNV00015260	16A MINATURE SINGLEPOLE CIRCUIT BREAKER - C CURVE
CR18-118.16 CR18-118.20 CR19-119.05 CR19-119.07 CR19-119.10 CR19-119.12 CR19-119.15 CR19-119.17 CR19-119.20	9	UNV00015261	RELAY- ICE CUBE PLUG IN- SPDT- 24VDC COIL - 15A
CR12-112.05	1	UNV00014877	RELAY- ICE CUBE PLUG IN- SPDT- 12VDC COIL- 15A

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TAGS	QTY	CATALOG	DESCRIPTION
CR16-116.15 CR16-116.18 CR16-116.21 CR16-116.24	4	UNV00012266	100A REVERSING CONTACTOR - 12VDC
RX15-115.22	1	38-2000-DC	AIR-EAGLE SR RF RECIVER SYSTEM - 4 RELAY
PD1-101.18 PD1-101.18A PD1-101.18B	3	UNV00015085	ENCLOSED POWER DISTRIBUTION BLOCK - 570A 1 POLE - LINE 2 300MCM TO 4AWG - LOAD 12 4AWG TO 14AWG
TR1-101.11	1	UNV00014315	120/240V 100A AUTOMATIC TRANSFER SWITCH
DV18-118.04	1	UNV00012305	4IN COLOR HMI-24VDC
WS18-118.10	1	UNV00012216	24VDC WINDSPEED SENSOR
IN17-117.20	1	UNV00012315	DOG2 MEMS SERIES INCLINOMETER 24VDC
GPS12-112.08	1	UNV00014029	4G LTE MINATURE GPS TRACKING DEVICE
DV17-117.13	1	Z50-1A-12V	
DV17-117.05	1	Z50-1A-12V	
LS13-113.10 LS13-113.15 LS13-113.20 LS14-114.02 LS14-114.07 LS14-114.12 LS14-114.17 LS15-115.02 LS15-115.07	9	UNV00012297	COMPACT LIMIT SWITCH-METAL PLUNGER-(1)N.O./(1)N.C. CONTACT(S)-SNAP ACTION-35MM WIDE BODY
LT15-115.12	1	UNV00013985	GREEN PILOT LIGHT - 22MM - IP65 - 24VDC
LT16-116.11	1	UNV00010656	12/24VDC STROBING BEACON LIGHT - RED
LT10-110.05 LT10-110.12 LT10-110.20 LT3-103.05 LT3-103.12 LT3-103.20 LT4-104.05 LT4-104.12 LT4-104.20 LT5-105.05 LT5-105.12 LT5-105.20 LT6-106.05 LT6-106.12 LT6-106.20 LT7-107.05 LT7-107.12 LT7-107.20 LT8-108.05 LT8-108.12 LT8-108.20 LT9-109.05 LT9-109.12 LT9-109.20	24	UNV00008022	SPL-GAU-LTL-500W-5K-1227
MOT12-112.14 MOT12-112.17 MOT12-112.20 MOT12-112.24	4	UNV00012265	ELECTRIC FIFTH WHEEL LANDING GEAR DC MOTOR
MOT11-111.12	1	UNV00013283	5HP 240V MOTOR
PE15-115.16	1	UNV00006500	24VDC STEM MOUNT PHOTO CONTROL
PE16-116.03 PE16-116.07	2	PBK6-AP-1A	INDUCTIVE PROXIMITY SENBSOR - 18MM DIAMETER - PNP N.O 5MM SENSING DISTANCE
PLC122.05 PLC122.30	2	UNV00012309	RELAY OUTPUT MODULE - 8 POINT - 6 FORM A - 2 FORM C - 3A/POINT

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TAGS	QTY	CATALOG	DESCRIPTION
PLC121.55	1	UNV00014875	DISCETE OUTPUT MODULE - 8 POINT - 12-24VDC
PLC121.30	1	UNV00012310	ANALOG INPUT MODULE - 4 CHANNEL - 13 BIT - 0-20MA
PLC121.05	1	UNV00012311	ANALOG INPUT MODULE - 4 CHANNEL VOLTAGE INPUT - 13 BIT - 0-10VDC
PLC120.30	1	UNV00014874	DISCRETE INPUT MODULE - 16 POINT - 12-24VDC
PLC120.05	1	UNV00012307	CPU - 50MB LADDER MEMORY - 1 RJ45 - 1 RS-232 - 1RS-485 - 24VDC
PW1-101.03	1	UNV00015100	27.9KW PRIME RATING/30KW STANDBY - 120/240V 1PH DIESEL GENERATOR
PW2-102.22	1	UNV00012456	12/24V 26A SMART BATTERY CHARGER
PW13-113.05	1	DDR-120A-24	9-18VDC TO 24VDC DC/DC CONVERTER-120W-DIN RAIL MOUNT
PW1-101.09	1	UNV00006394	100-240VAC TO 12VDC - 12W
PW12-112.07	1	UNV00014030	MINI USB HARDWARE KIT FOR GPS TRACKER
TG12-112.05	1	UNV00013984	2 POS MAINTINED KEY SWITCH-N.O
W	22	UNV00009802	
W	50	UNV00011954	3 CONDUCTOR LEVER CLAMP WAGO
PE	1	UNV00007136	
BS	2	UNV00008188	VINYL BUTT SPLICE - 22-18AWG - RED
TB2	9	UNV00013975	FEED THROUGH 4 POINT TERMINAL BLOCK-BLUE-SCREWLESS
TB2	3	UNV00013976	24P CUT TO LENGTH JUMPER FOR 4 HOLE BLOCKS
TB2	29	UNV00013974	FEED THROUGH 4 POINT TERMINAL BLOCK-GRAY-SCREWLESS
TB1	5	UNV00013989	2 POLE GROUNDING TERMINAL BLOCK
TB1	4	UNV00013972	24P CUT TO LENGTH JUMPER FOR 2 HOLE BLOCKS
TB1	8	UNV00013970	FEED THROUGH 2 POINT TERMINAL BLOCK-BLUE-SCREWLESS
TB1 TB2	9	UNV00013971	FEED THROUGH 2 POINT TERMINAL BLOCK-GRAY-SCREWLESS
CBL15-115.30	1	UNV00007443	CORD 16/4 SOOW UL 90C BLK
CBL15-115.27 CBL15-115.29 CBL18-118.09	3	UNV00012175	CORD 18/3 SOOW UL 90C BLK
CBL13-113.10 CBL13-113.15 CBL13-113.20 CBL14-114.02 CBL14-114.07 CBL14-114.12 CBL14-114.17 CBL15-115.02 CBL15-115.07 CBL16-116.11	10	UNV00002075	CORD 16/2 SOOW UL 90C BLK
CBL12-112.14 CBL12-112.17 CBL12-112.21 CBL12-112.24	4	UNV00012177	PORTABLE CORD-10/2-BLK
CBL2-102.17	1	UNV00005522	CORD 14/4 SOOW UL 90C

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CBL10-110.03 CBL10-110.08 CBL10-110.16 CBL2-102.05 CBL2-102.09 CBL2-102.13 CBL3-103.03 CBL3-103.08 CBL3-103.16 CBL4-104.03 CBL4-104.08 CBL4-104.16 CBL5-105.03 CBL5-105.09 CBL5-105.16 CBL6-106.03 CBL6-106.09 CBL6-106.16 CBL7-107.03 CBL7-107.08 CBL7-107.15 CBL8-108.03 CBL8-108.08 CBL8-108.15 CBL9-109.03 CBL9-109.08 CBL9-109.16	27	UNV00007440	CORD 14/3 SOOW UL 90C BLK
CBL2-102.21	1	UNV00007524	
CBL2-102.23	1	UNV00002908	CORD 12/3 SOOW UL 90C BLK
CBL1-101.01	1	UNV00007277	CORD 6/4 TYPE W 90C BLK

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