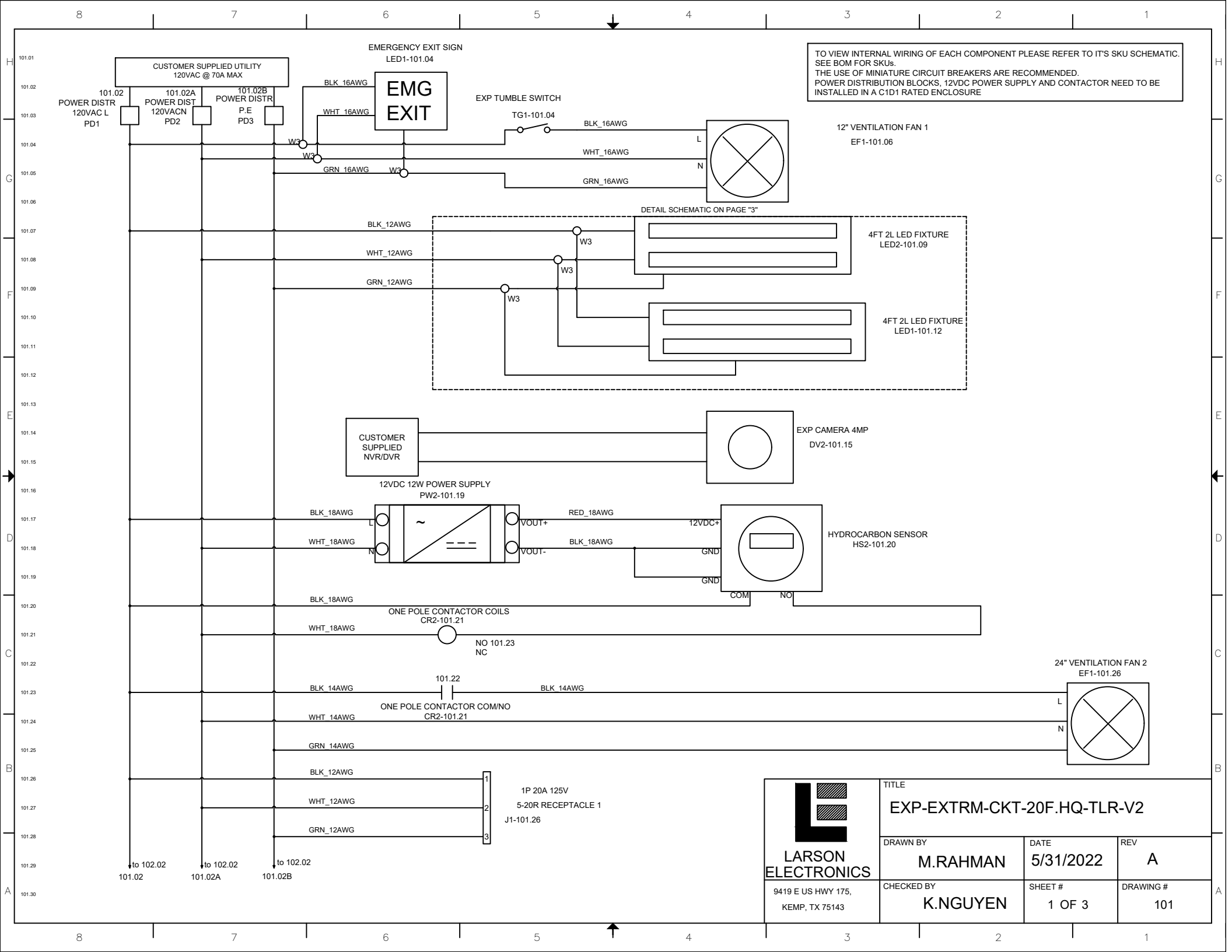
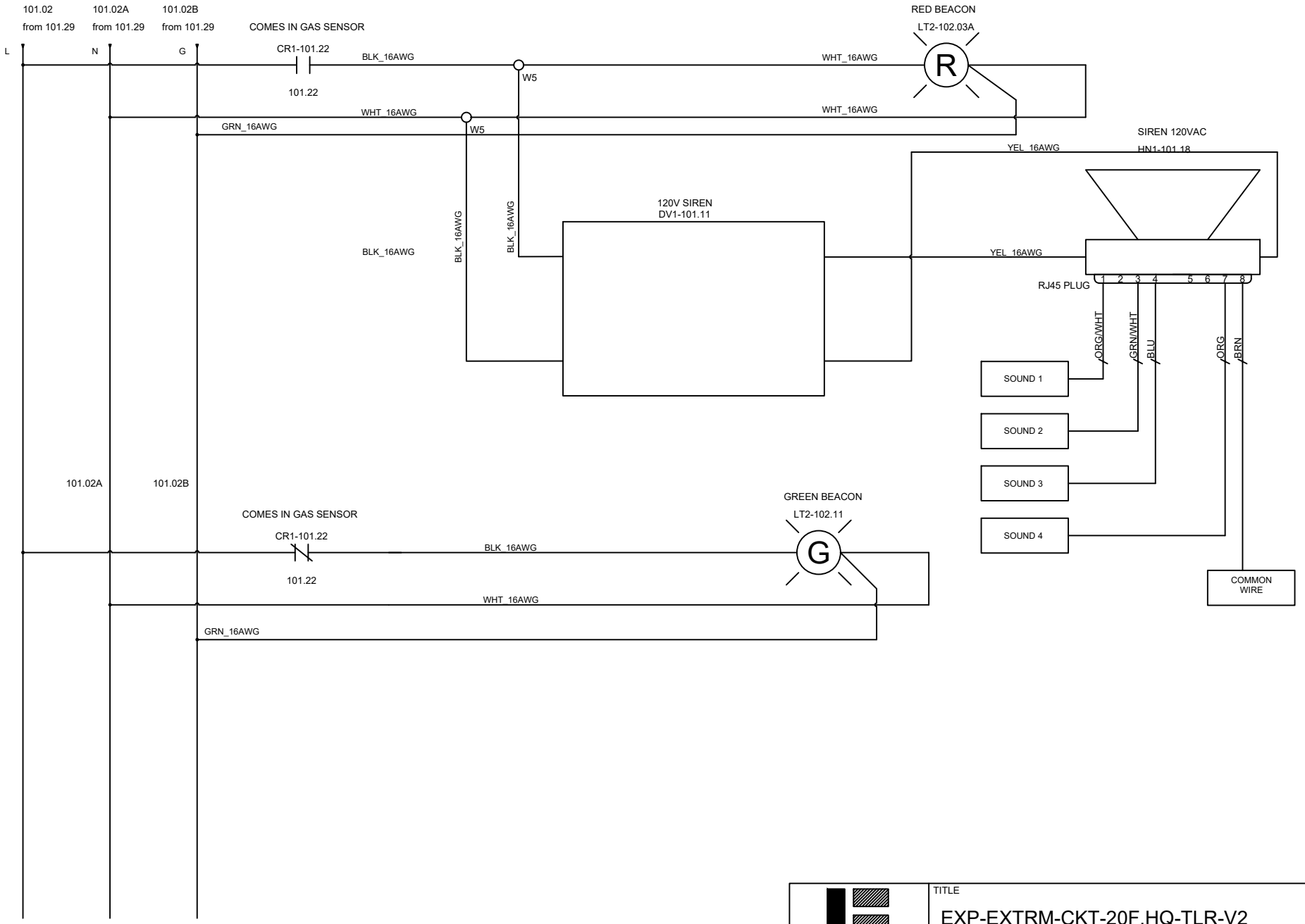
REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	5/31/2022

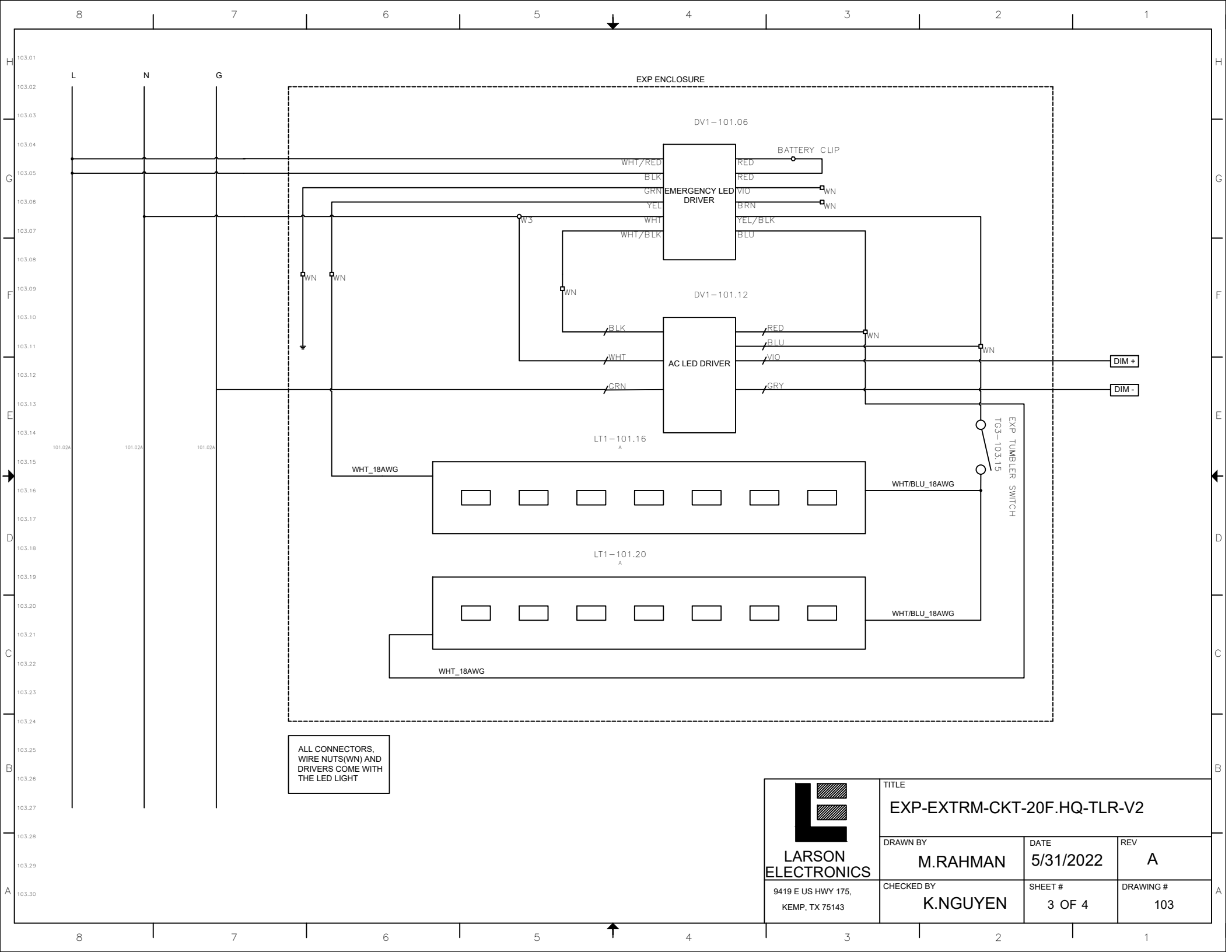
EXP-EXTRM-CKT-20F.HQ-TLR-V2

LARSON ELECTRONICS®


TO VIEW INTERNAL WIRING OF EACH COMPONENT PLEASE REFER TO IT'S SKU SCHEMATIC.
SEE BOM FOR SKUs.
THE USE OF MINIATURE CIRCUIT BREAKERS ARE RECOMMENDED.
POWER DISTRIBUTION BLOCKS, 12VDC POWER SUPPLY AND CONTACTOR NEED TO BE INSTALLED IN A C1D1 RATED ENCLOSURE
CUSTOMER SUPPLIED UTILITY
120VAC @ 70A MAX
101.02
POWER DISTR
120VAC L
PD1
101.02A
POWER DIST
120VACN
PD2
101.02B
POWER DISTR
P.E
PD3
EMERGENCY EXIT SIGN
LED1-101.04
EMG
EXIT
BLK_16AWG
WHT_16AWG
GRN_16AWG
W3
EXP TUMBLE SWITCH
TG1-101.04
12" VENTILATION FAN 1
EF1-101.06
L
N
DETAIL SCHEMATIC ON PAGE "3"
BLK_12AWG
WHT_12AWG
GRN_12AWG
4FT 2L LED FIXTURE
LED2-101.09
4FT 2L LED FIXTURE
LED1-101.12
CUSTOMER
SUPPLIED
NVR/DVR
EXP CAMERA 4MP
DV2-101.15
12VDC 12W POWER SUPPLY
PW2-101.19
BLK_18AWG
WHT_18AWG
RED_18AWG
VOUT+
VOUT-
12VDC+
GND
HYDROCARBON SENSOR
HS2-101.20
COM
NO
ONE POLE CONTACTOR COILS
CR2-101.21
NO 101.23
NC
24" VENTILATION FAN 2
EF1-101.26
101.22
BLK_14AWG
WHT_14AWG
GRN_14AWG
ONE POLE CONTACTOR COM/NO
CR2-101.21
1P 20A 125V
5-20R RECEPTACLE 1
J1-101.26
to 102.02
101.02
to 102.02
101.02A
to 102.02
101.02B
LARSON
ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143
TITLE
EXP-EXTRM-CKT-20F.HQ-TLR-V2
DRAWN BY
M.RAHMAN
DATE
5/31/2022
REV
A
CHECKED BY
K.NGUYEN
SHEET #
1 OF 3
DRAWING #
101



LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: EXP-EXTRM-CKT-20F.HQ-TLR-V2		
	DRAWN BY: M.RAHMAN	DATE: 5/31/2022	REV: A
	CHECKED BY: K.NGUYEN	SHEET #: 2 OF 3	DRAWING #: 102


L
N
G
EXP ENCLOSURE
DV1-101.06
BATTERY CLIP
WHT/RED
BLK
GRN
YEL
WHT
WHT/BLK
EMERGENCY LED DRIVER
RED
RED
VIO
BRN
YEL/BLK
BLU
WN
W3
DV1-101.12
BLK
WHT
GRN
AC LED DRIVER
RED
BLU
VIO
GRY
DIM +
DIM -
LT1-101.16
A
LT1-101.20
A
WHT_18AWG
WHT/BLU_18AWG
EXP TUMBLER SWITCH
TG3-103.15
ALL CONNECTORS, WIRE NUTS(WN) AND DRIVERS COME WITH THE LED LIGHT
LARSON ELECTRONICS
9419 E US HWY 175, KEMP, TX 75143
TITLE
EXP-EXTRM-CKT-20F.HQ-TLR-V2
DRAWN BY
M.RAHMAN
DATE
5/31/2022
REV
A
CHECKED BY
K.NGUYEN
SHEET #
3 OF 4
DRAWING #
103

TAGS	QTY	CATALOG	DESCRIPTION
J1-101.26	1	UNV00005394	EXPLOSION PROOF RECEPTACLE WITH HINGE COVER 5-20R 125V
DV2-101.15	1	UNV00016333	4MP Mini Bullet Camera Fixed Lens
LED2-101.06	1	EXP-EMG-EXT-LE6-1L	SKU: EXP-EMG-EXT-LE6-1L
EF1-101.06	1	EPF-LPSM-12-0.25HP	SKU: EPF-LPSM-12-0.25HP
EF1-101.26	1	EPF-LPSM-16-0-25HP	SKU: EPF-LPSM-16-0-25HP
LED1-101.12 LED2-101.09	2	EPL-EMG-48-2L-LED-D-V2-SFC-56K	SKU: EPL-EMG-48-2L-LED-D-V2-SFC-56K
HS2-101.20	1	EXP-SNR-TG-EC-ITS-ALG-HC200	SKU: EXP-SNR-TG-EC-ITS-ALG-HC200
PA2-102.06	1	UNV00009165	Exploison Proof Siren 120-240VAC
LT2-102.11	1	UNV00012148	GREEN BECON LIGHT 120-277VAC
LT2-102.03	1	UNV00016380	RED BEACON LIGHT 120-277V
PW2-101.19	2	UNV00006394	POWER SUPPLY AC-DC 12V 100-264V PANEL MT LED DRIVER
TG2-101.07	2	UNV00005436	1P 20A EXP PROOF TUMBLER SWITCH
PD1 PD2 PD3	3	UNV00015085	Power Distribution Block Fuse Class CC 570A 600V Screw Mount
W5	2	UNV00009803	5 HOLE WAGO
CR2-101.21	1	UNV00017649	DEFINITE PURPOSE 1-POLE CONTACTOR 120V COIL
W3	3	UNV00011954	3 HOLE WAGO

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

TITLE: EXP-EXTRM-CKT-20F.HQ-TLR-V2

DRAWN BY	DATE	REV
M.RAHMAN	5/31/2022	A
CHECKED BY	SHEET #	DRAWING #
K.NGUYEN	4 OF 4	103