Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

WCDE-11-HLM65-16X500LTL-LED

77' Hydraulic Megatower™ Light Plant - 33' Trailer - (20) 500W LED Fixtures - 20KW Genset w/ 110 Gal

Product ID: 147278



Image: WCDE-11-HLM65-16X500LTL-LED

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

WCDE-11-HLM65-16X500LTL-LED Trailer Mounted LED Megatower™

Genset Specs:

Genset: 20kw
Engine: Perkins 28.9HP
Engine Type: Vertical, liquid-cooled, 4-cycle diesel engine, naturally aspirated
Engine Speed: 1800 RPM
No. of Cylinders: 4
Generator: 20KW Stamford Brushless
Voltage: 120/240V Single Phase
Battery: 12V @ 36aH
Fuel Cell Capacity: 110 Gallons - External Tank w/ Anti-Splash Baffles
Fuel Delivery: Electric
Sound Level: 68 dB - Full load @ 23` away
Cold Weather Package: Yes - Factory Included

Light Mast Specs

Tower Length: 30` to 77`
Lamp Qty: 20
Materials: Carbon Steel
Finish: Galvanized
Operation: Hydraulic (Upright and Extension)

Light Head Specs

Lamp Type: LED

Quick Summary

11KW Kubota Brushless Genset
110 Gallon External Fuel Cell
Cold Weather Package Factory Installed
Up to 43 Hour Continuous Operation
33.5` to 77` Light Mast
Hydraulic Aluminum Mast
Steel Construction Trailer
Hydraulic Mast Operation
Powered Boom Deployment
High Output LED Lamps
Extreme Area Coverage
Direct Replacement for (20) 1000W MH Light Plants
10,000W LED compared to 16,000W MH
1,350,000 Total Lumen Output

Independently Adjustable Light Heads
Dial-in Adjustability per light head
98% Transmission High Purity PMMA Optics
Multiple LED Banks for Heat Dispersion
135 Lumens Per Watt Efficiency
70% Lumen Retention after 80,000 Hours
Switched Breaker System per Lamp Head

IP67 Waterproof LED Fixtures
All Equipment Mounted on a 33` x 8` Trailer

Total Wattage: 10,000W (500W per lamp)
Total Lumens: 1,350,000 (67,500 per lamp)
Lighting Configuration: Flood Beam Pattern

Steel Trailer w/ Industrial Grade Paint Finish
Towable Height Under 13` w/ Light Heads
6-Point Outrigger System
7,000 lb Leveling Jacks

Powered Boom Deployment
External Oil Pump System-Change Oil Every 3,000 Hours

Trailer Specs
Materials: Steel
Trailer Dimensions: 33`-L x 8`-W trailer bed
Height (Mast Collapsed): 33`-H
Height (Mast Extended): 77`-H
Footprint (Outriggers Extended): 36` x 19`-11"
Hitch: Gooseneck (12" I-beam Construction)
Wiring: 7-Pin Flat
Axles: (2) 10,000 lbs w/ Electric Brakes
Suspension: Tandem Dually
Outriggers: (6) 12` x 12" x 12" I-Beams Retractable w/ (6) 7,000 lbs Manual Leveling Jacks
Wheels: (8) 16" 5x4.5" Steel Rims
Tires: (8) P235/80R16

Total Dimensions: 142"T x 504"L x 99"W
Total Weight: 13,000 Lbs
Shipping: Common Freight
Shipping Weight:

Special Orders - Special Requirements
Contact us for special requirements
Intl: 1-903-270-1187
Toll Free: 1-800-369-6671
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

Made in the USA

The WCDE-11-HLM65-16X500LTL-LED from Larson Electronics is a Trailer Mounted Hydraulic LED Megatower™ Light Plant that offers high output illumination and can withstand the extreme abuse found within heavy-duty industrial applications. This trailer mounted fold over 7-stage hydraulic light plant provides a safe and effective way for operators to quickly deploy twenty 500-watt LED light heads to elevations above 65` (ground to mast head), reaching a total height of 77` (with 11` of light head assembly) for any heavy-duty industrial application. This mining grade light tower folds over for easy transportation, features a hydraulic ram upright assist, hydraulic mast and high output LED fixtures. The LED light tower is powered by an 20KW Kubota diesel generator with a 110 gallon fuel tank. The entire assembly is mounted onto a 33` by 8` tandem axle trailer, allowing operators to transport this fold over boom from location to location. The WCDE-11-HLM65-16X500LTL-LED is a direct replacement for 1000W metal halide light plants and has been specifically designed to transport over rough terrain with ease.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT MASTS OR LIGHT TOWERS

The WCDE-11-HLM65-16X500LTL-LED LED Light Plant is a self contained, towable, high power light tower package. This unit contains a water cooled diesel engine powering a 20KW Kubota generator, which supplies the current for twenty 500-watt LED lights producing 67,500 lumens each, for a combined total of 1,350,000 lumens of light. This unit can run uninterrupted for up to 43 continuous hours without refueling and includes a hydraulic telescoping light mast which can elevate twenty high output LED lamps to heights above 65`. The hydraulic tower is capable of reaching heights up to 77` with the light head assembly, which measures 11` in height, and an overall transport height of 8` 6". This light plant features an external oil pump system. Oil must be changed every 3,000 hours. This heavy-duty Megatower has been specifically made for extremely rough applications and can be transported over almost any kind of rough terrain. This mobile floodlight package is ideal for large scale event illumination, construction, mining, industrial

operations, and anywhere a mobile full power, durable lighting system capable of extended operation and rough abuse is needed.

This telescoping seven stage hydraulic light mast from Larson Electronics is designed to allow operators to quickly and safely deploy up to 10,000 watts of high intensity LED lighting in locations where illumination must be elevated to heights above 65` (from ground to mast head; 77` in total height with 11` light head assembly) for effective coverage. This light boom can be collapsed to 30` for applications where a footprint smaller is required. The tower is constructed of carbon steel tubing with 2` foot of overlap per section. The mast is elevated using an included hydraulic ram and extended to its full height using a second hydraulic system.





Click Images to Enlarge



A 90" wide by 132" tall and 2" by 2" by 1/4" thick steel mast head is attached to the upper section of the mast which provides a strong and stable platform for the twenty 480-watt LED light heads.

Lights: The WCDE-11-HLM65-16X500LTL-LED Hydraulic LED Megatower™ from Larson Electronics features twenty GAU-LTL-500W-LED fixtures that each draw 500 watts, for a total fixture wattage of 10,000 watts. Each module produces 67,500 lumens at a color temperature of 5000K for an impressive lumen total of 1,350,000 lumens which provides operators with a superior lighting solution for even the most challenging areas to illuminate. To ensure even coverage of wide areas, the LED modules used on this hydraulic light plant are configured in Larson Electronics for even distribution pattern.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat

emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.



Click Photo to Enlarge

Durability: As well as unparalleled heat control, the LED lights used in the WCDE-11-HLM65-16X500LTL-LED also offer IP67 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -40° Celsius to +85° Celsius, are waterproof, and resist ingress of dust, dirt and humidity. We recommend these LED lights for use in applications where a lot of vibration, dust, dirt, dampness and abusive working conditions are encountered.

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. The heat-sink on the LED modules has been engineered to provide optimum heat dissipation. Each LED module has been sized for proper passive cooling to prevent premature failure of LEDs or color shifting and to eliminate the need for an active cooling system typically associated with high powered LED systems.

Telescoping Boom: The hydraulic telescoping boom is constructed of carbon steel with a galvanized finish and extends to 65` in height from the ground to the mast head and 77` of total height with the light assembly (measures 11` in height). This boom is raised from and lowered to the folded position by a single hydraulic ram and extended or retracted by a second hydraulic system.

Wiring/Controls: The LED light heads are grouped into banks of four. Each bank in wired into the NEMA 3R breaker control box at the base of the mast. Operators control the light heads via an on/off switched breaker per bank of five light heads. The hydraulics are also powered from within this breaker box. Power is provided to the control box via an integrated 20KW genset. The mast elevation is controlled by a push button switch to operate the hydraulic ram allowing operators to raise the mast to the upright position. The vertical deployment is operated by a second push button switch allowing operators to extend it to its full 77` height or retract it to the collapsed height.





Click Photo to Enlarge | Click Photo to Enlarge | Click Photo to Enlarge

The above image show a side by side comparison of the WCDE-20-HLM65-20X500LTL-LED-WSM next to a 50` Pneumatic Megatower.

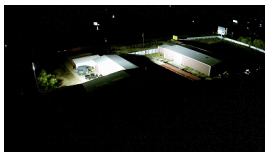
Genset: The WCDE-11-HLM65-16X500LTL-LED mobile hydraulic Megatower™ includes a specialized genset that houses a Perkins diesel engine that powers the 20KW Stamford 120/240V brushless generator. This genset is liquid cooled and features a single phase generator with electric start ignition. The diesel generator runs at 3600 RPM and is equipped with an EPA/CARB Tier 4 emissions system. A 110 gallon fuel cell sits beside the genset and is equipped with an electric fuel delivery system. The fuel cell is constructed of single a heavy gauge steel single wall frame with internal anti-splash baffles. This genset features key operated electric starting, a twelve volt electrical system, liquid cooling, replaceable dry element air cleaner, and a full enclosure for safe operation and protection against the elements. This engine also features cold weather options to improve performance under cold weather conditions.




Click Images to enlarge.

The above images show a side by side comparison of the light output between our LED light plant and a traditional four lamp metal halide light plant. The left image shows the metal halide light plant raised to 30` and illuminating a 50,000 sq ft work area with four 1000 watt metal halide light fixtures. The right image shows the WCDE-20-HLM65-20X500LTL-LED-WSM light plant raised to 50`, illuminating the same 50,000 square foot work area with twenty 480 watt LED fixtures. Notice how the color and intensity of the work area is greatly improved when lit up by the LED fixtures.






Click Images to enlarge.

The left image above shows the light mast illuminating a 300,000+ square foot area. The yellow billboard in the image reaches 40 lux, while the fence at the tree line (480`+ away from the tower) reaches 35 lux. This image was taken from 50` behind the mast and at 100` above ground level. The image to the right shows the work space 75` in front of the mast, with the entire area work area reaching over 100 lux. The mast was

The left image above shows the same 300,000+ square foot area being illuminated. In the background you can see a vehicle with their headlights on, barely able to be seen in comparison to the WCDE-20-HLM65-20X500LTL-LED-WSM light plant. This image was taken at 80` to the right of the mast and 175` above ground level. The mast was extended to 35`. The image on the right is a Google Earth export of the physical area being

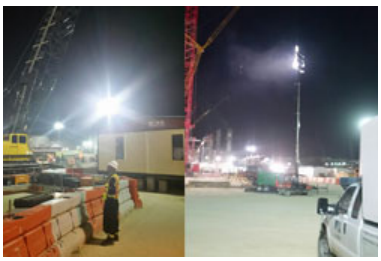
extended to 35`. illuminated, for scale purposes.

Trailer: The entire unit is mounted onto a four wheel, dual tandem axle trailer with 12" I-beam construction. Each axle is rated at 10,000 lbs and equipped with P235/80R16 tubeless tires and wheels. The rear axle is equipped with electric brakes. A gooseneck hitch system that extends to the truck bed, above the rear axle and the trailer, is available for secure hauling. Standard heavy duty safety chains are included. Overall length of the trailer is 33`.

Six 7,000 lbs hand crank jacks are used for raising the trailer up off the ground, and four 7,000 lbs hand crank jacks mounted on extending outriggers are used for leveling and stabilizing the trailer assembly. Each of the four jacks are attached to a pivoting outrigger constructed of 6` by 6" by 6.3" steel I-beams. The jacks can be leveled by hand crank or attachment provided for power drills. These outriggers can be extended 6` out from the side of the trailer for added stability. This light plant can withstand 35 mph winds when fully extended. When lowered to 30`, the mast can withstand 50 mph winds. When lowered to 33`, the mast can withstand wind speeds up to 95 mph with gusts of 125 mph. Custom builds can be provided for higher wind speed resistance when fully raised.

Runtime: The twenty 500-watt LED light heads have a considerably less amp draw than the metal halide light heads on traditional light plants. This allows the WCDE-11-HLM65-16X500LTL-LED to achieve up to 43 hours of continual use on a single tank of gas when only operating the light heads and air compressor. When running 24 hours a day and 7 days a week, this LED light plant will run for nearly 2 days straight without refueling. When the genset is running for 12 hours a day, this tower will provide on-site illumination for up to 4 days before needing more fuel. This self contained LED light plant provides operators with a worry free and energy efficient alternative to metal halide light plants.

We offer a choice of finishing, equipped light heads, and with or without gensets. These towers can be fitted with Larson Electronics line of high output light heads, or customize the mast head to meet the mounting requirements for your equipment. Optional diesel generators and fuel cells can be equipped from factory, or retrofitted after purchase.


Click Photos to Enlarge

Cold Weather Package: The LM-HLM65-16X500LTL-LED-TLR is designed to withstand extreme cold environments and harsh winters. The hydraulic system is equipped with a de-icing system to prevent the hydraulic lines and system from freezing from moisture building within system. This de-icing system uses an environmentally friendly (non-toxic) fluid. All hydraulic lines are equipped with cold weather rated hydraulic hoses rated for -65°C and fitted with metallic hardware. All the hydraulic controls are housed within an insulated and weather tight enclosure. This hydraulic control

box features 1/2" thick polystyrene foam insulation and heat trace.

The hydraulic system features -65°C cold weather rated rubber hydraulic hoses with metallic fittings and a cold weather rated high viscosity hydraulic fluid. All electrical components are wired using cold weather rated SOOW cable with rated to -50°C that features high flexibility, and extreme abrasion, acid, oil, and water resistance even in sub-zero climates.

The genset is retrofitted with a coolant heater to keep engine temperatures at optimum levels. The fuel system is equipped with an in-tank fuel heater to prevent gelling in arctic environments. The genset is equipped with 0W-40 synthetic oil. The genset`s electric battery is equipped with a battery blanket.

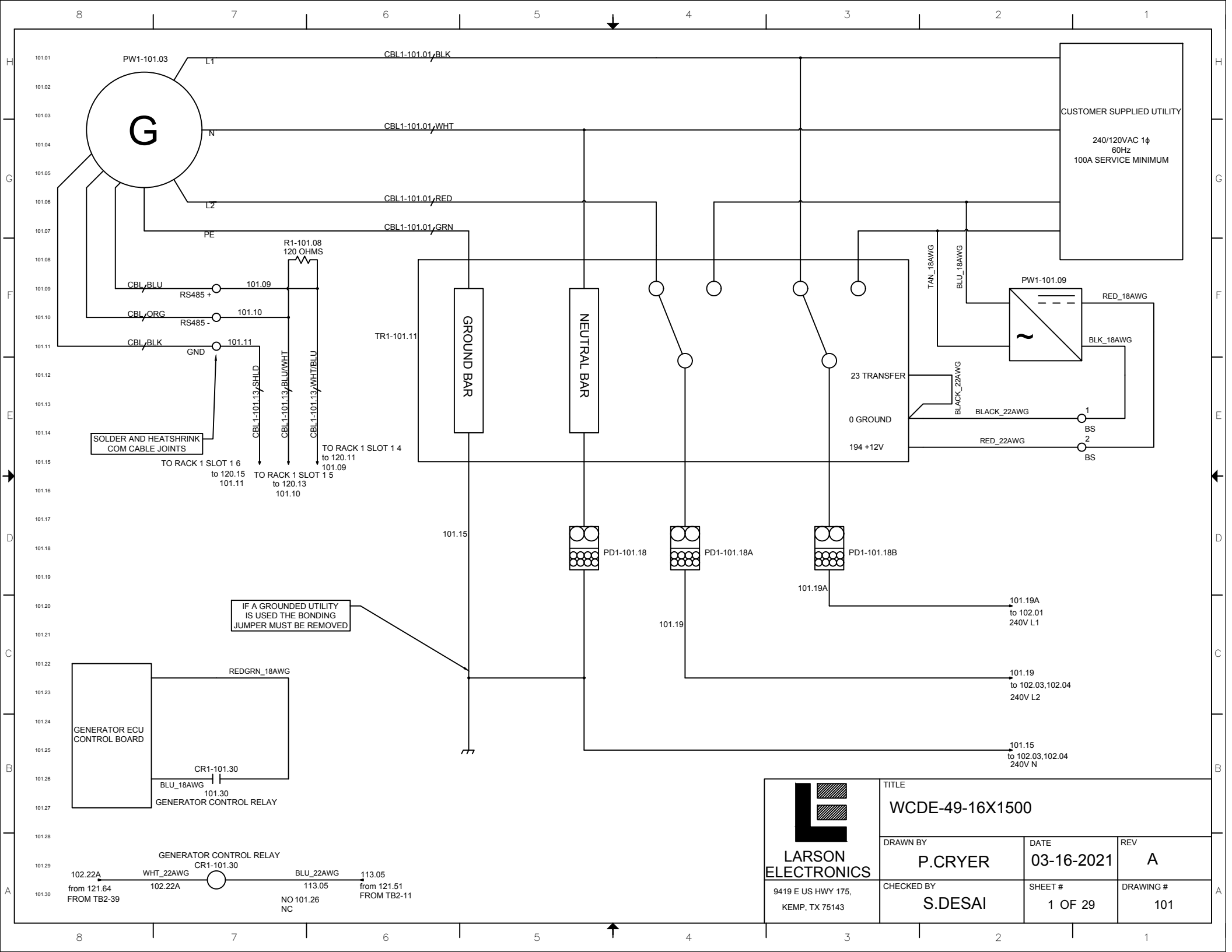
Suggested Applications: Temporary lighting, construction site illumination, outdoor event lighting, job site lighting and any other application that requires a self-contained source of illumination capable of covering a very large area effectively.

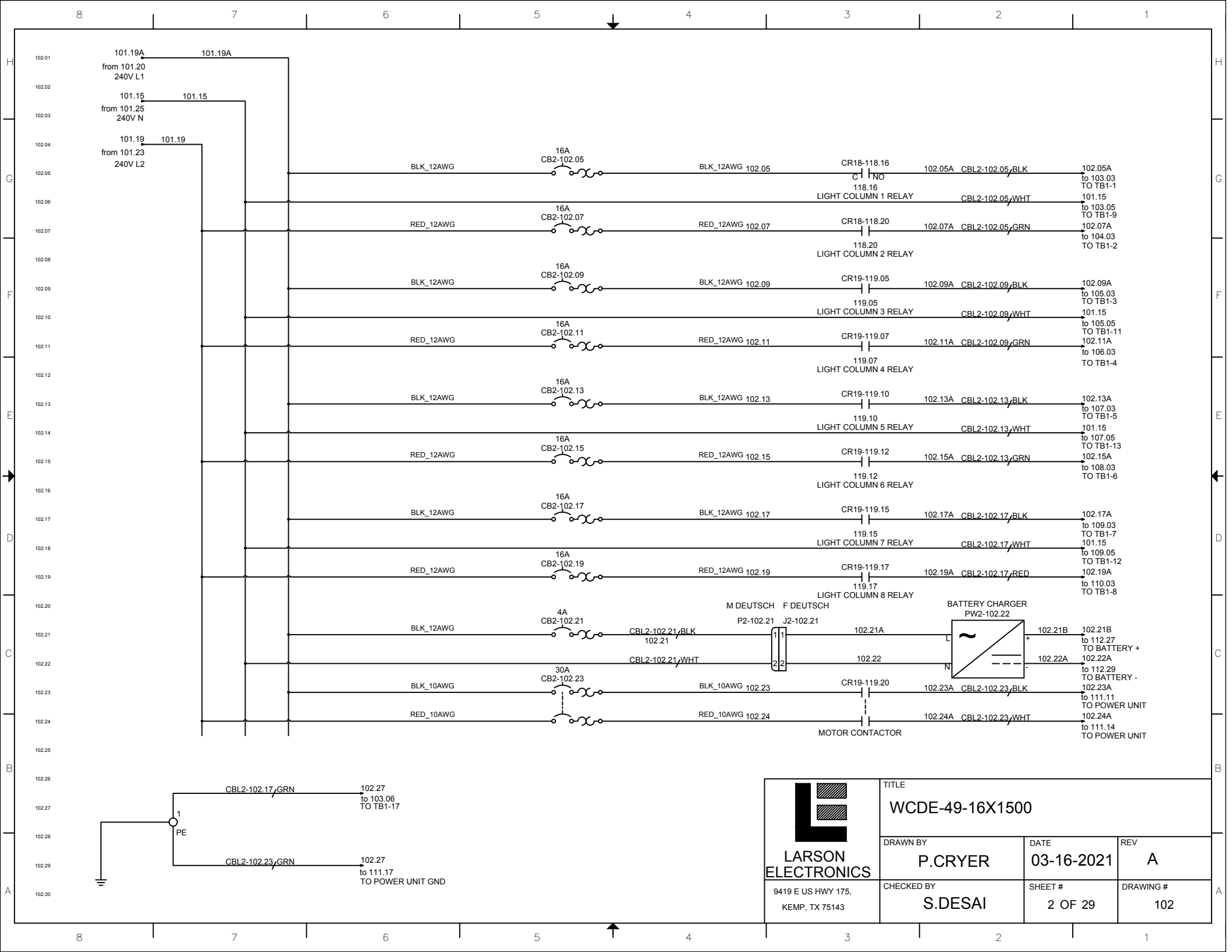
At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	3-16-2021

WCDE-11-HLM65-16X500LTL-LED

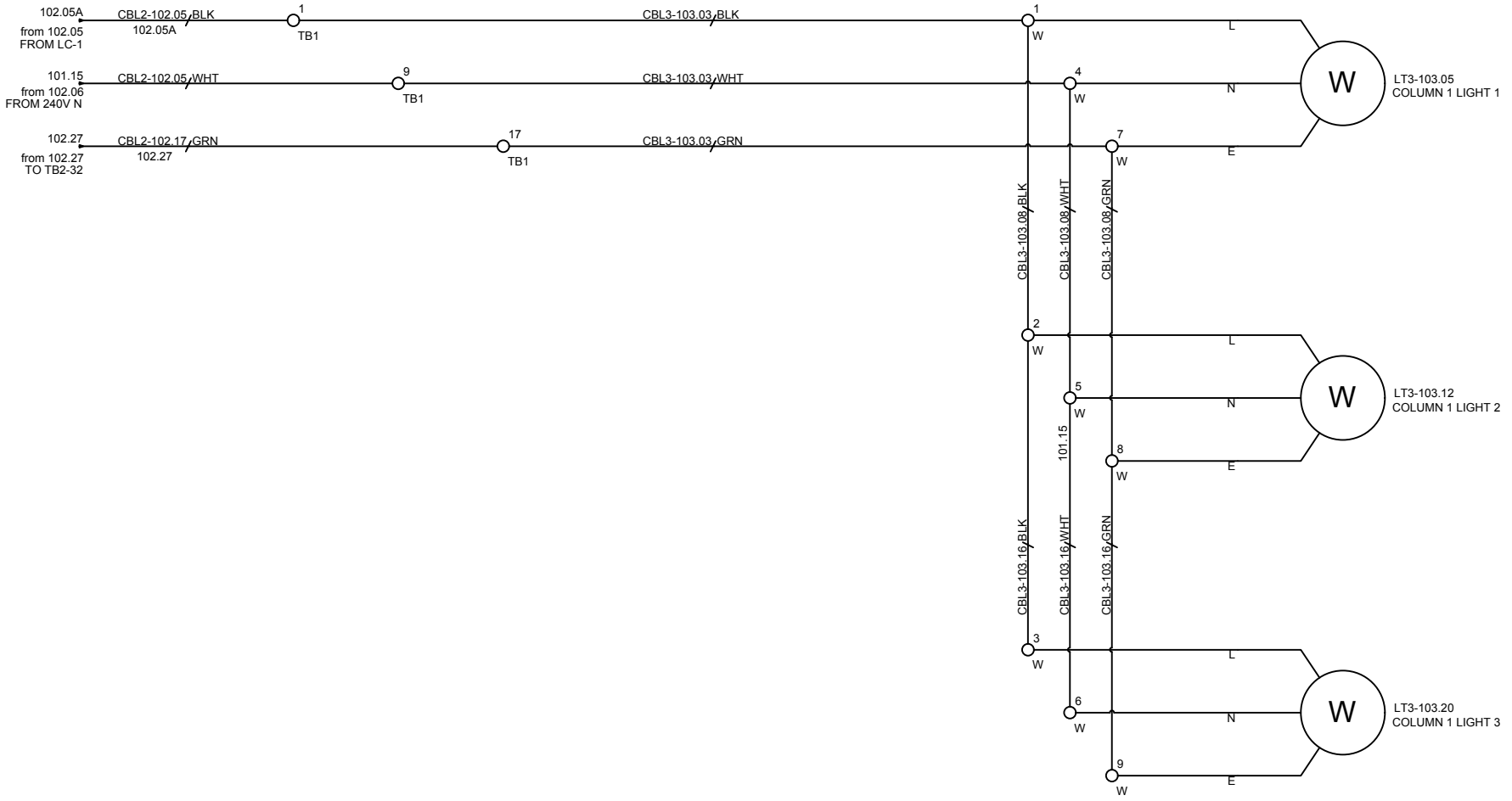
LARSON ELECTRONICS®


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

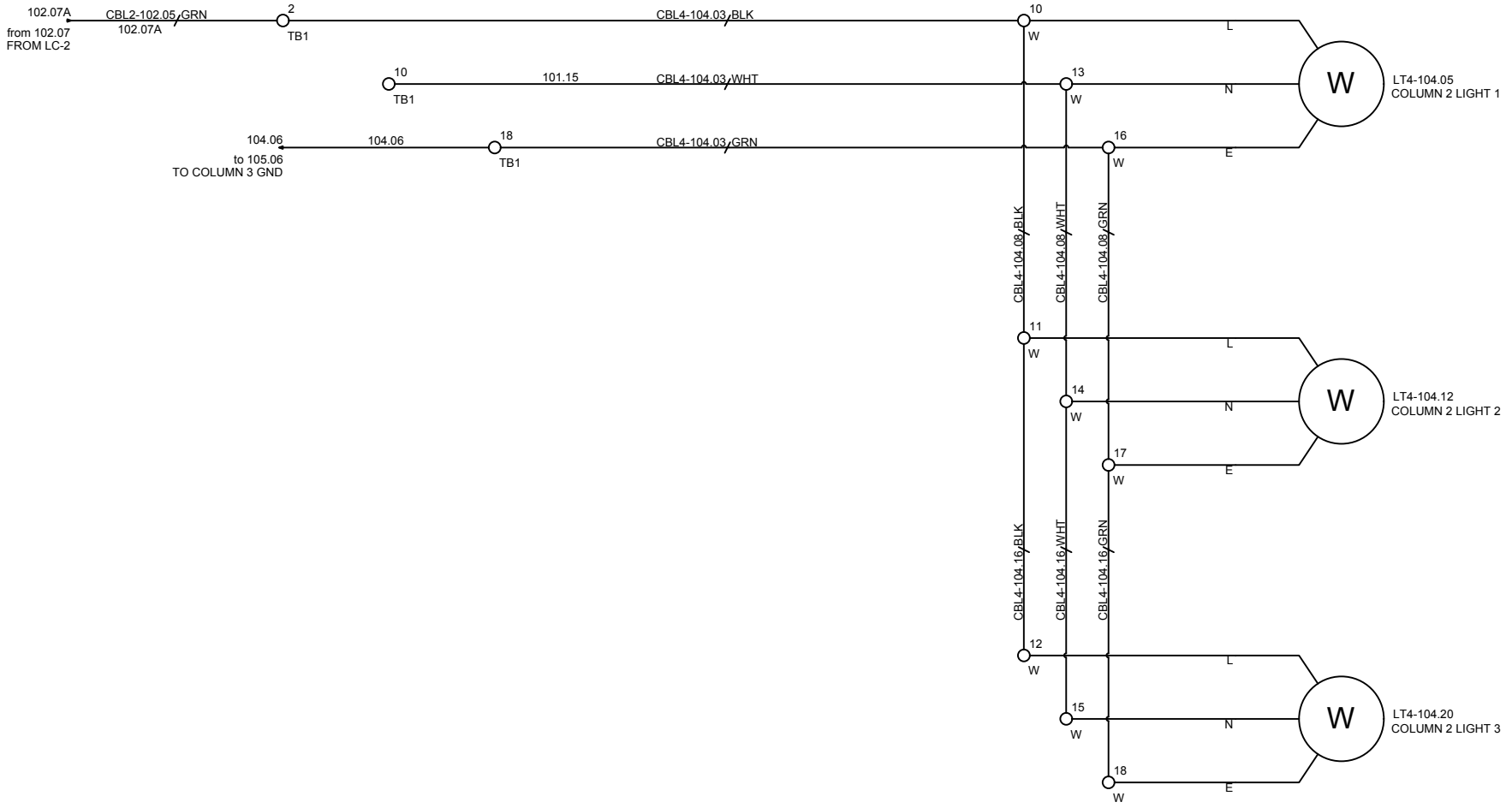


LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

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

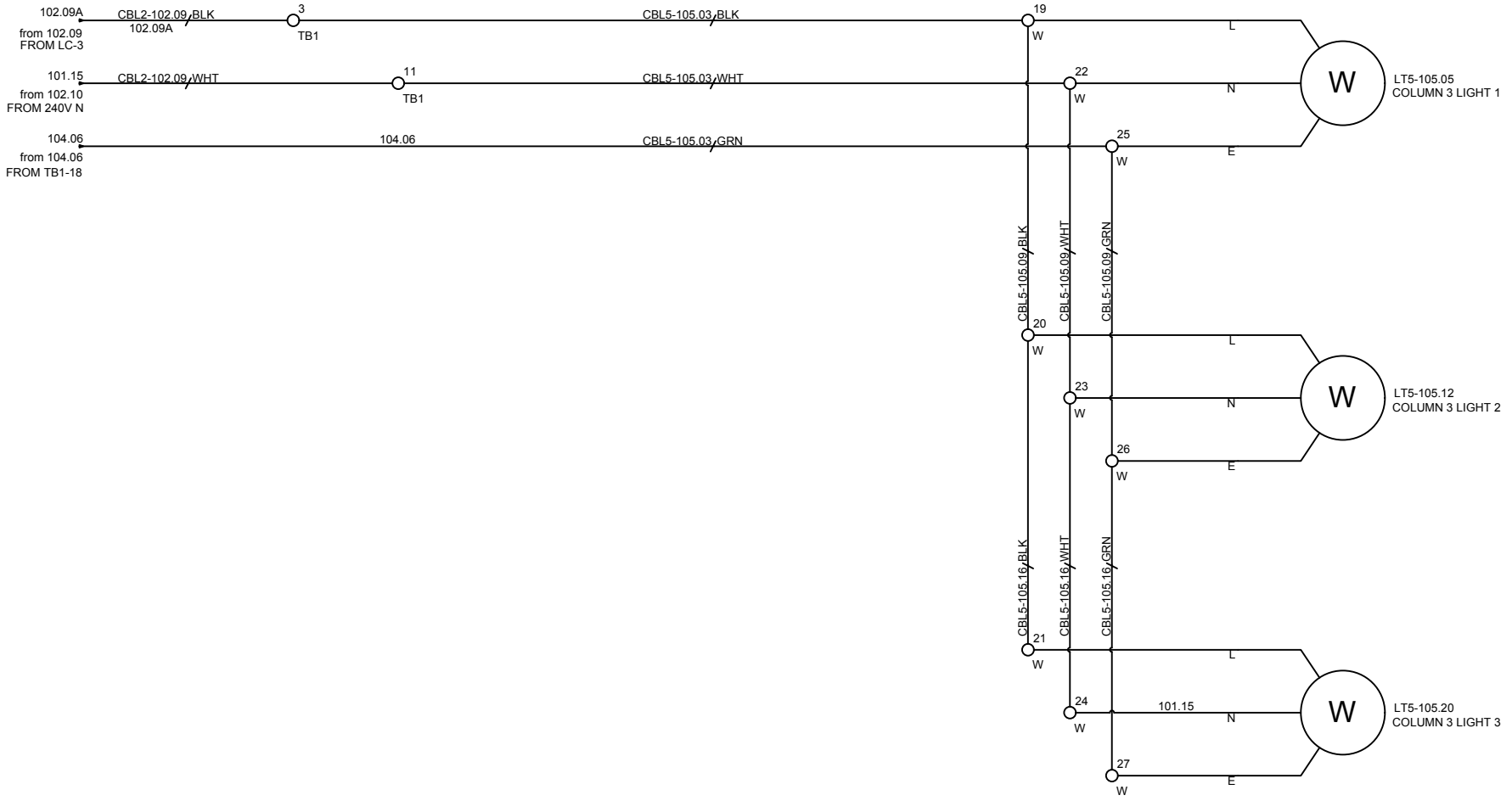


LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: WCDE-49-16X1500		
	DRAWN BY: P.CRYER	DATE: 03-16-2021	REV: A
	CHECKED BY: S.DESAI	SHEET #: 3 OF 29	DRAWING #: 103



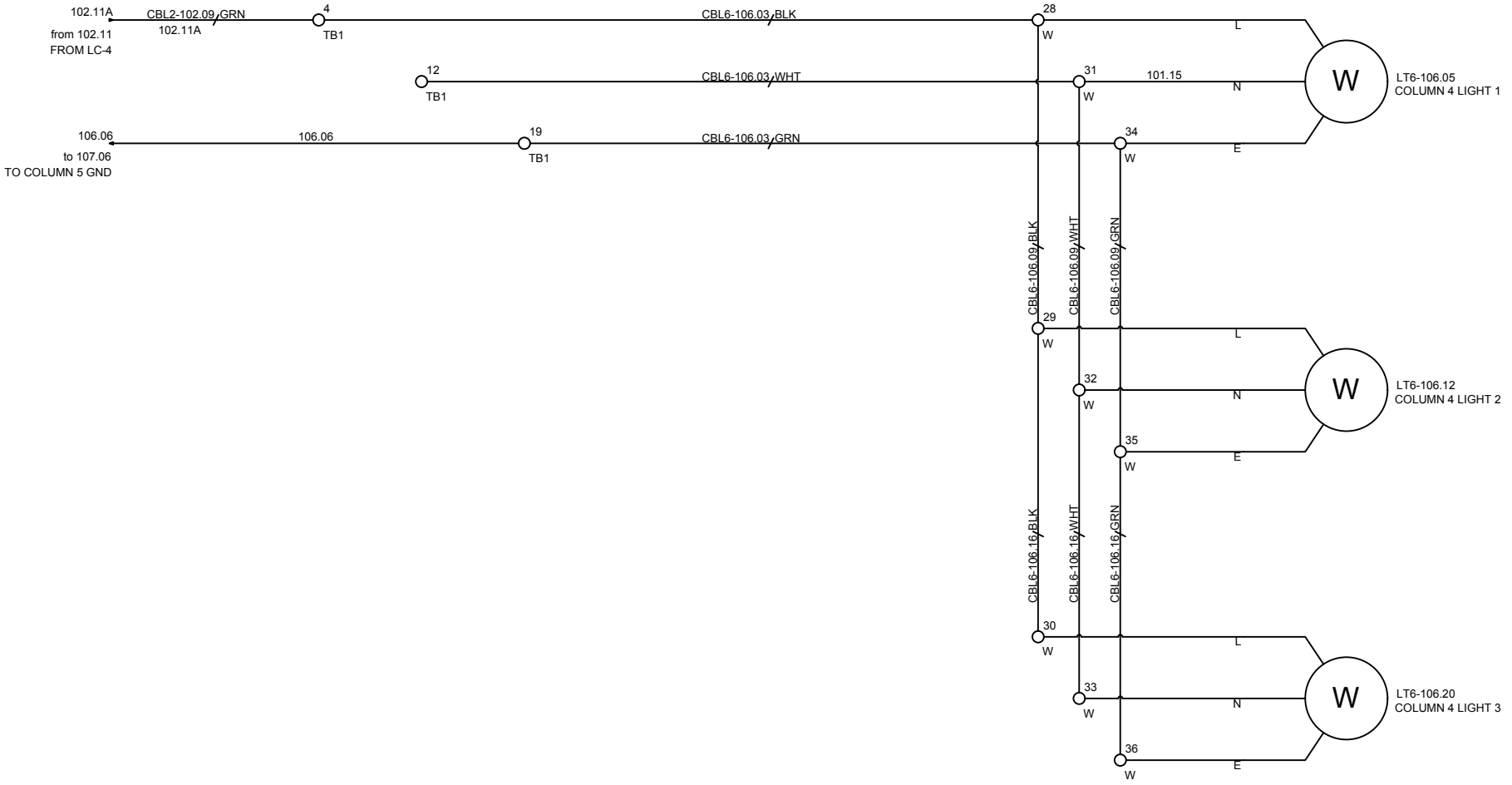
LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

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



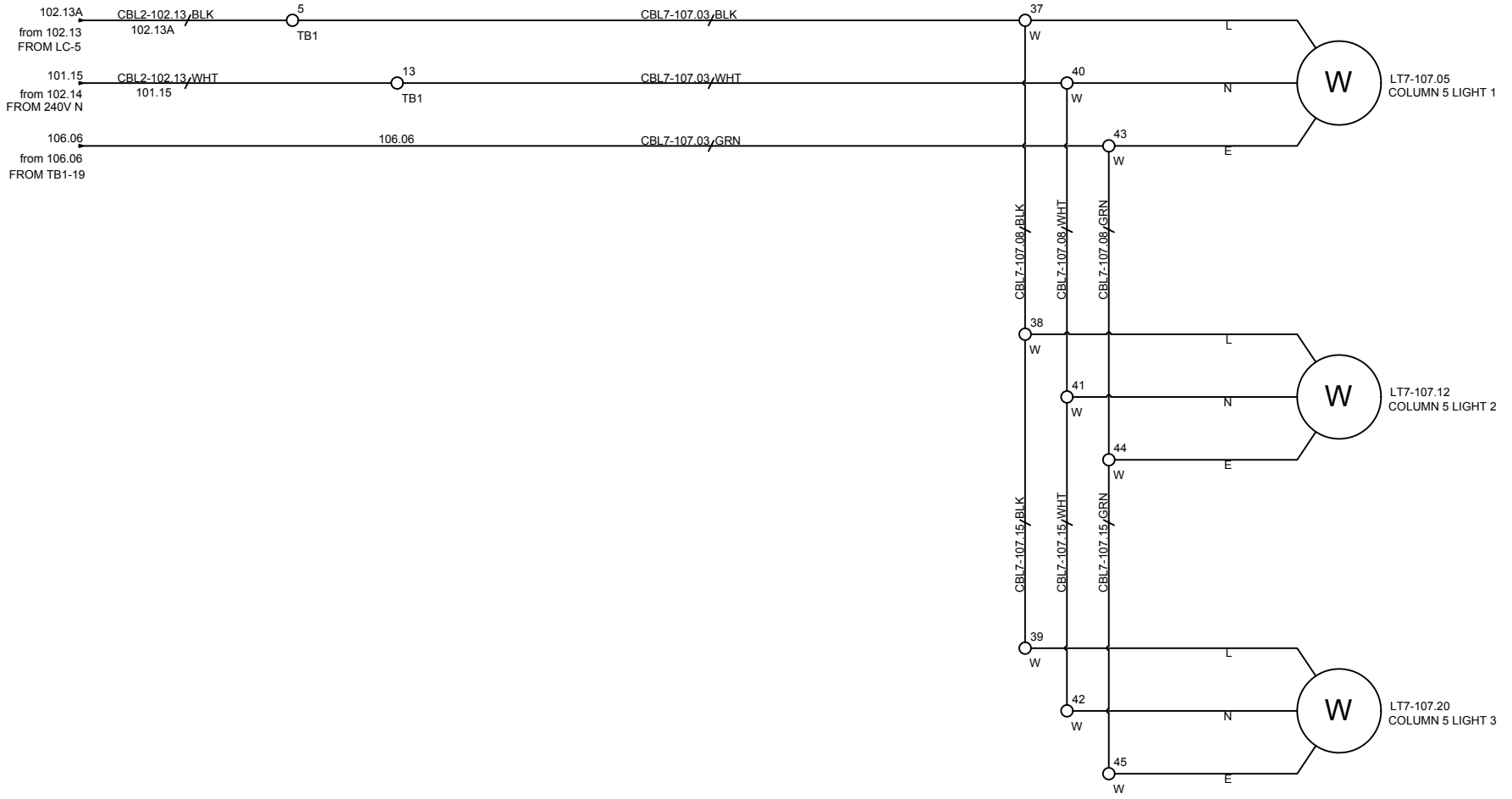
LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

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

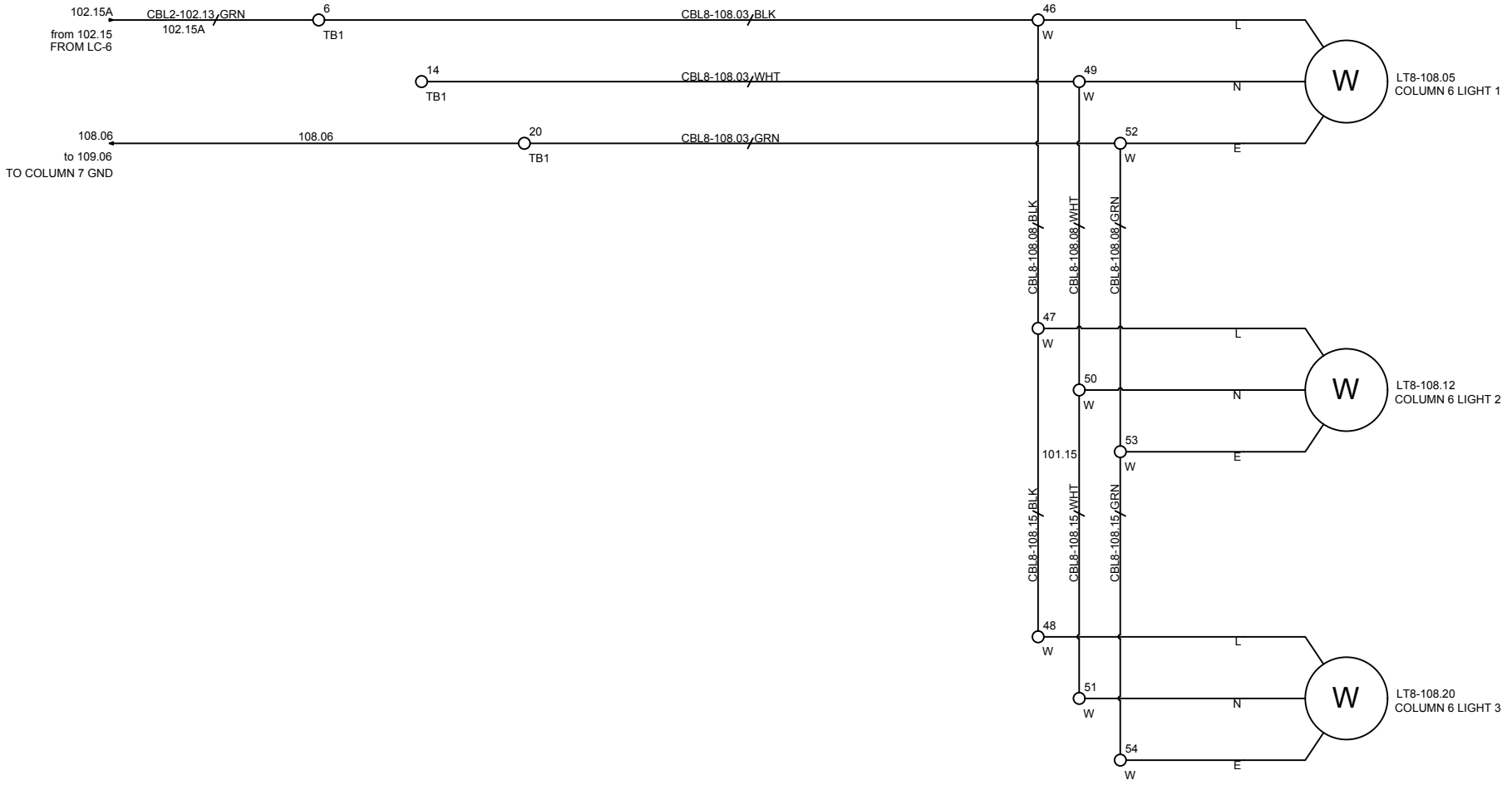


LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

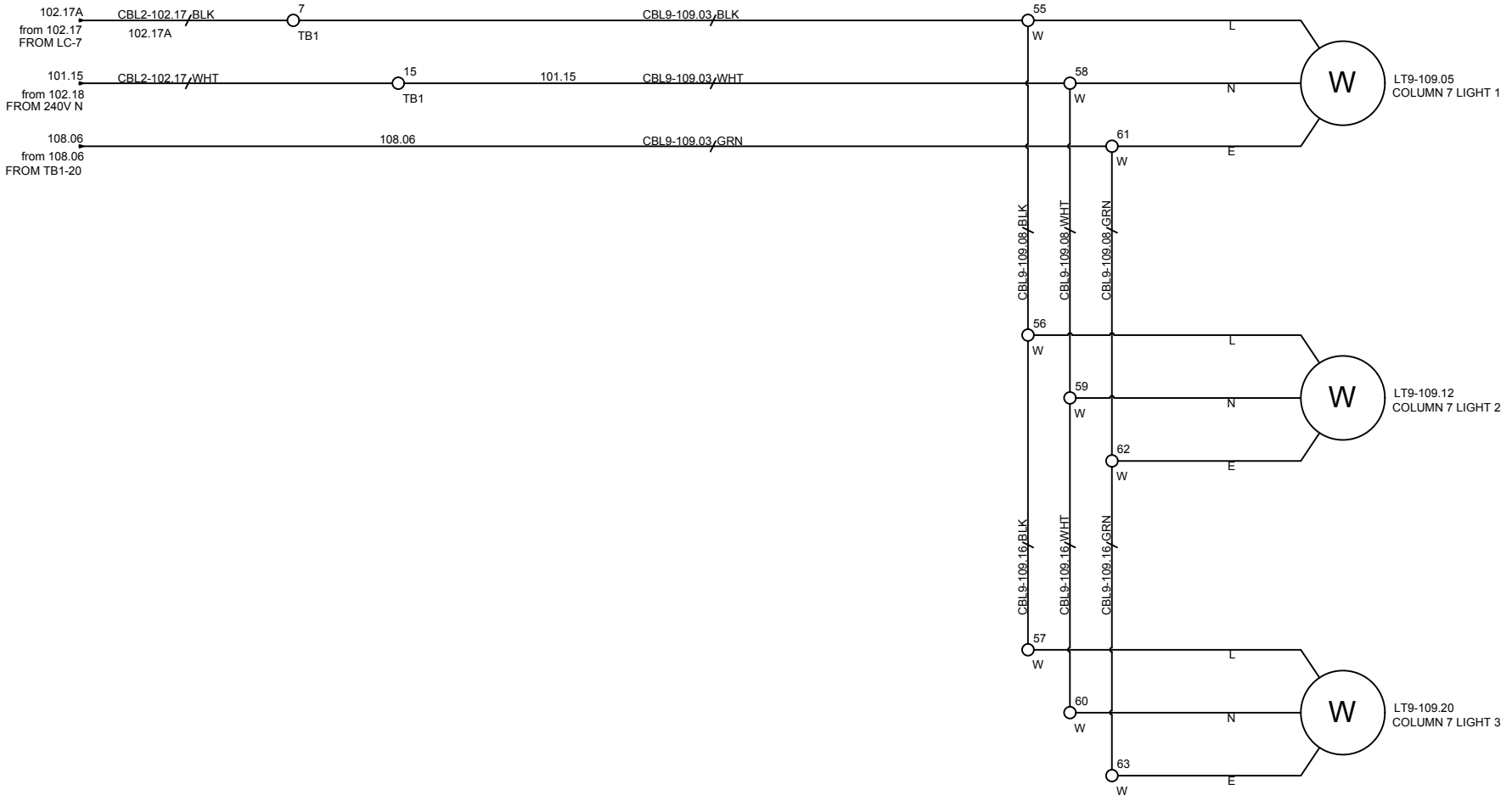
TITLE			
WCDE-49-16X1500			
DRAWN BY	DATE	REV	
P.CRYER	03-16-2021	A	
CHECKED BY	SHEET #	DRAWING #	
S.DESAI	6 OF 29	106	



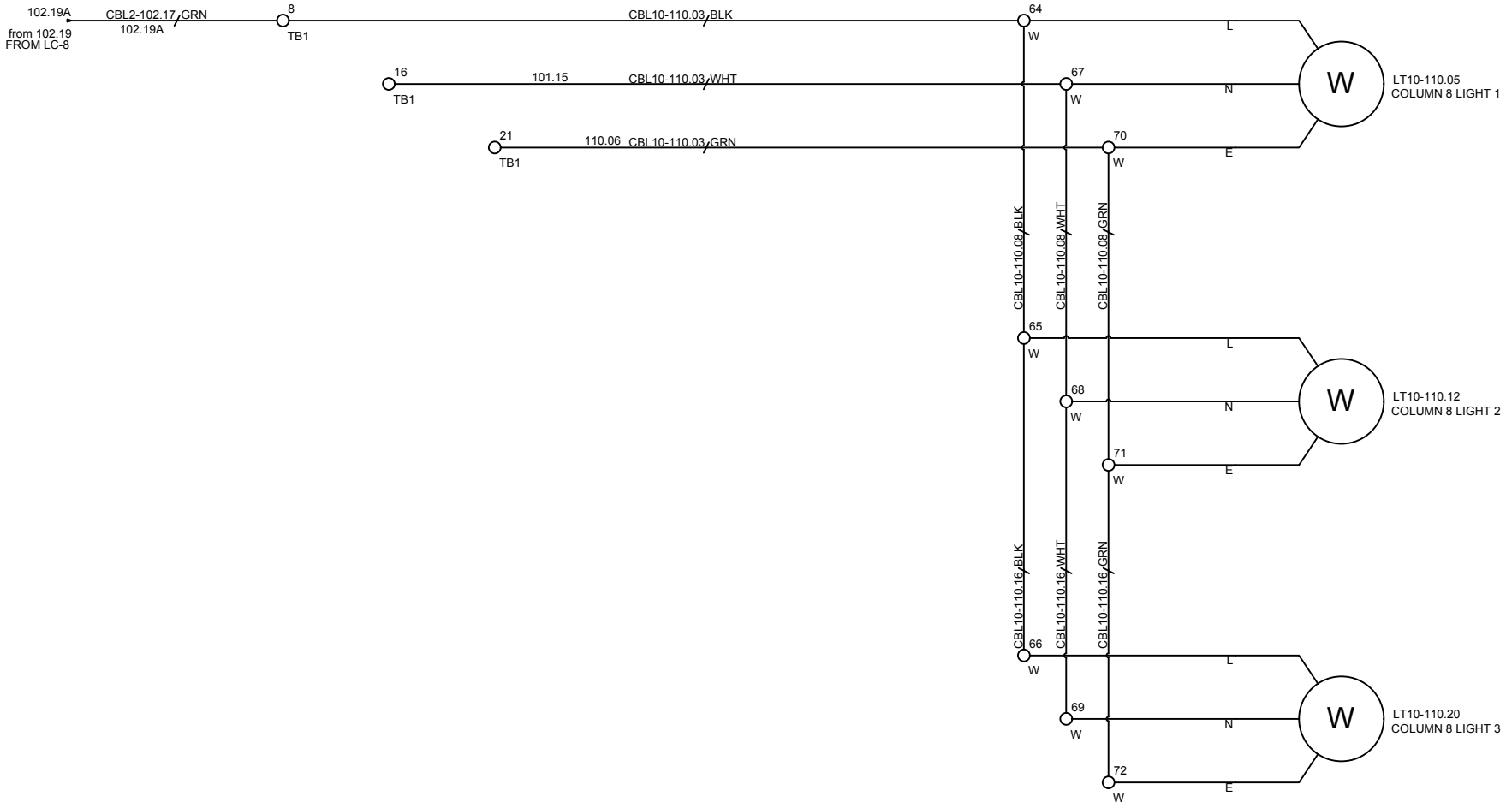
LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: WCDE-49-16X1500		
	DRAWN BY: P.CRYER	DATE: 03-16-2021	REV: A
	CHECKED BY: S.DESAI	SHEET #: 7 OF 29	DRAWING #: 107



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



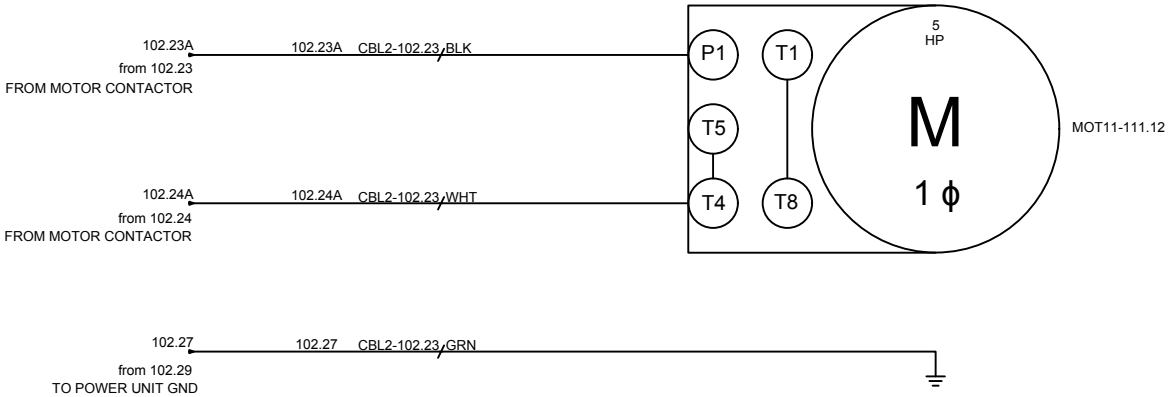
LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: WCDE-49-16X1500		
	DRAWN BY: P.CRYER	DATE: 03-16-2021	REV: A
	CHECKED BY: S.DESAI	SHEET #: 9 OF 29	DRAWING #: 109



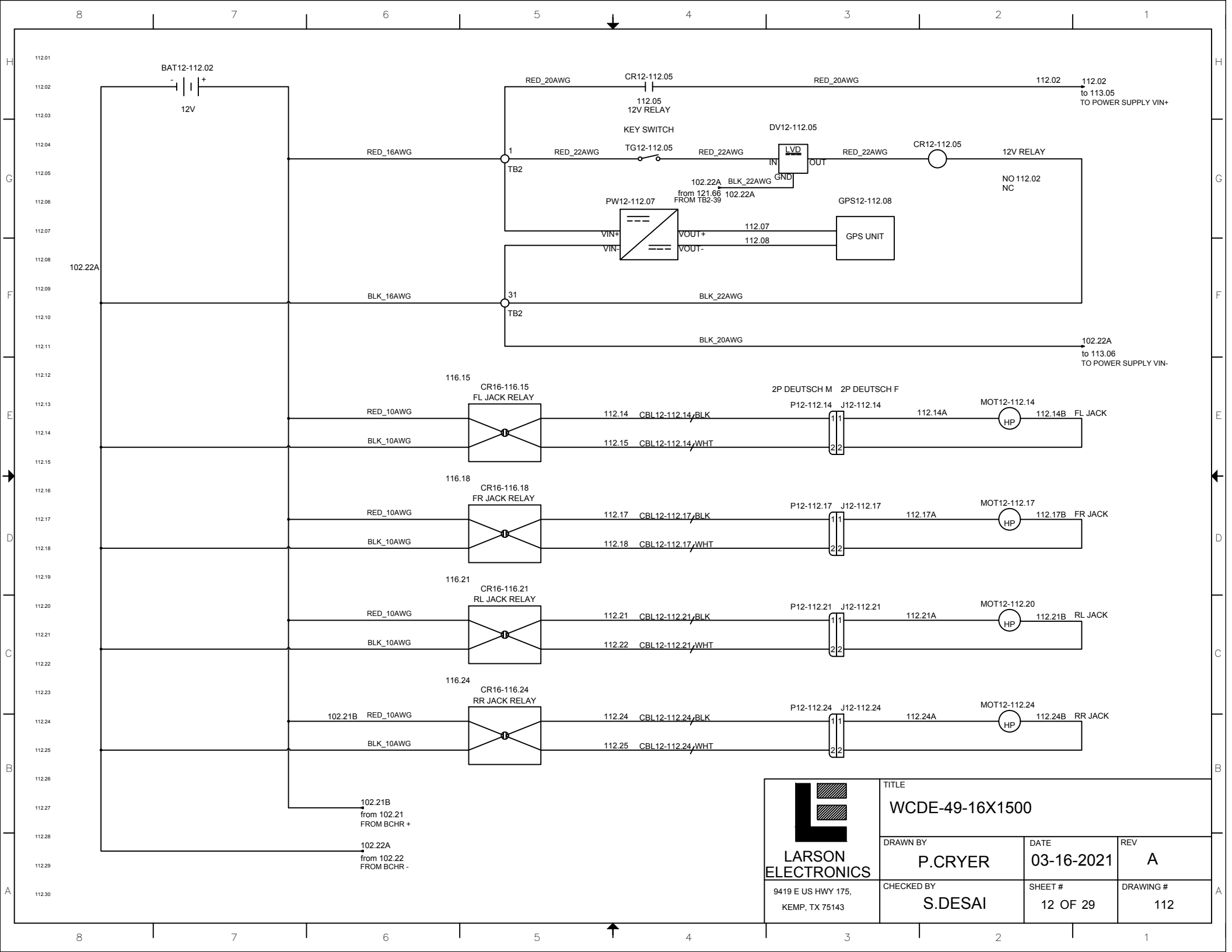
LARSON ELECTRONICS

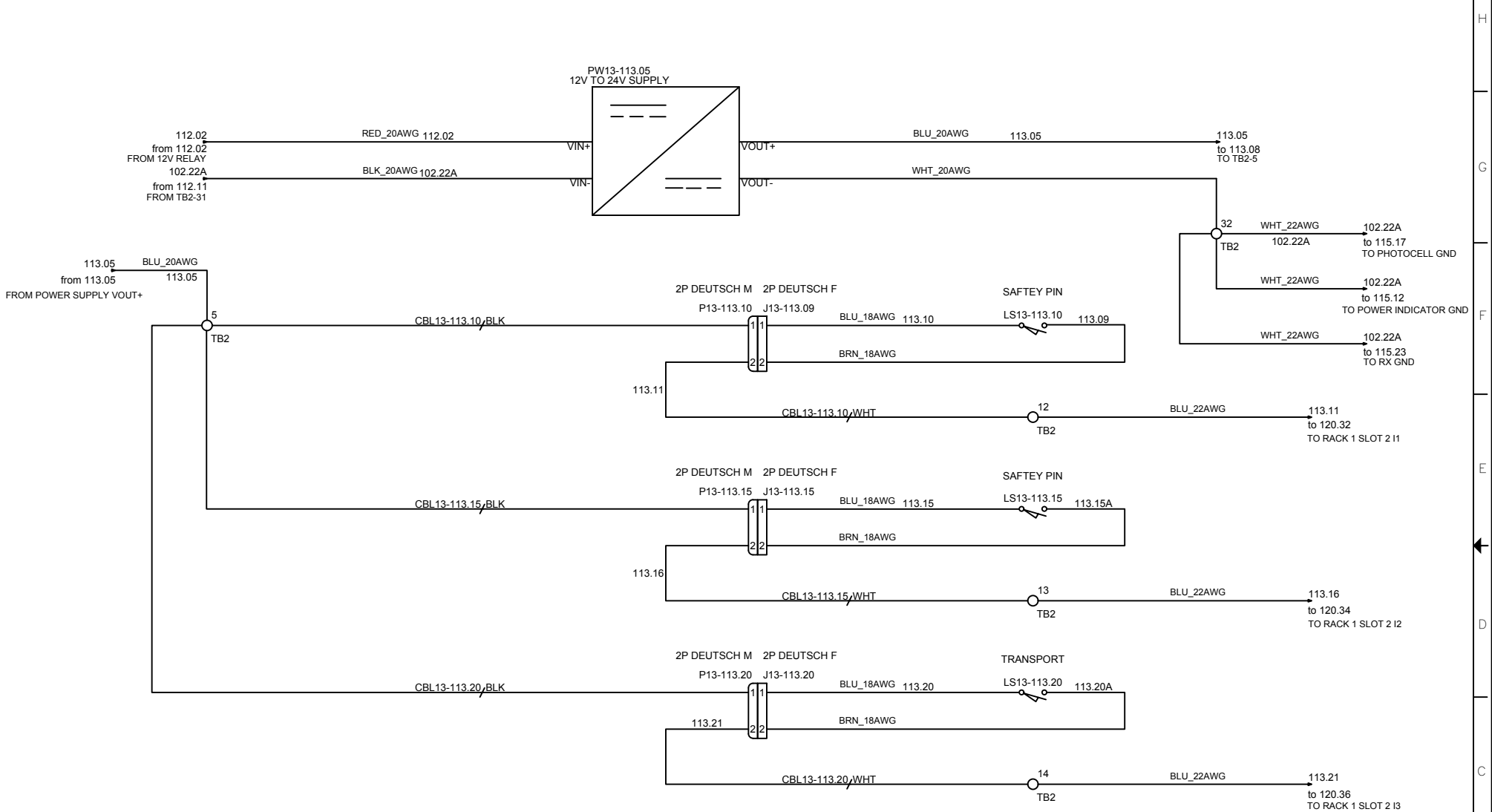
9419 E US HWY 175,
KEMP, TX 75143

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



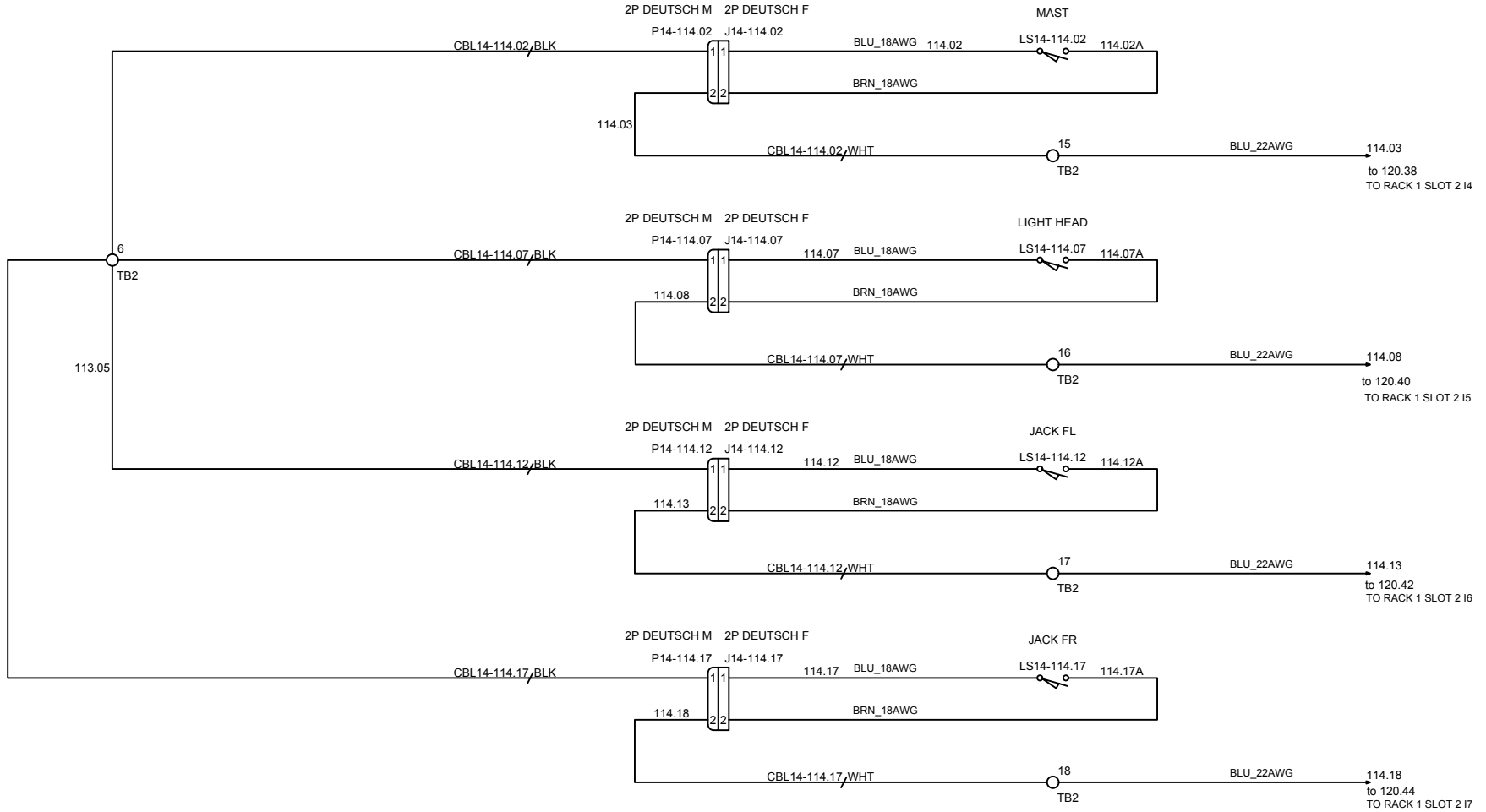
LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: WCDE-49-16X1500		
	DRAWN BY: P.CRYER	DATE: 03-16-2021	REV: A
	CHECKED BY: S.DESAI	SHEET #: 11 OF 29	DRAWING #: 111


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



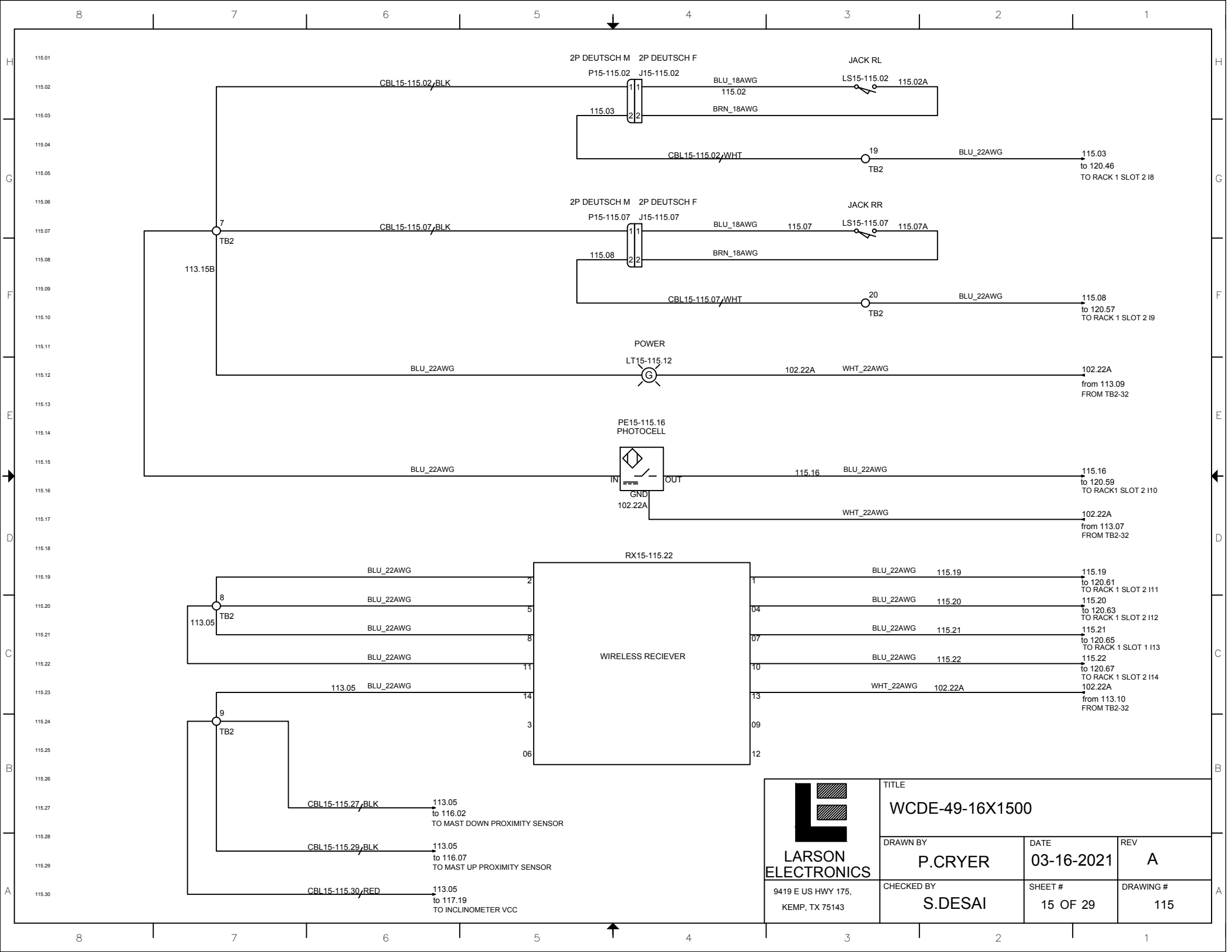
LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

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



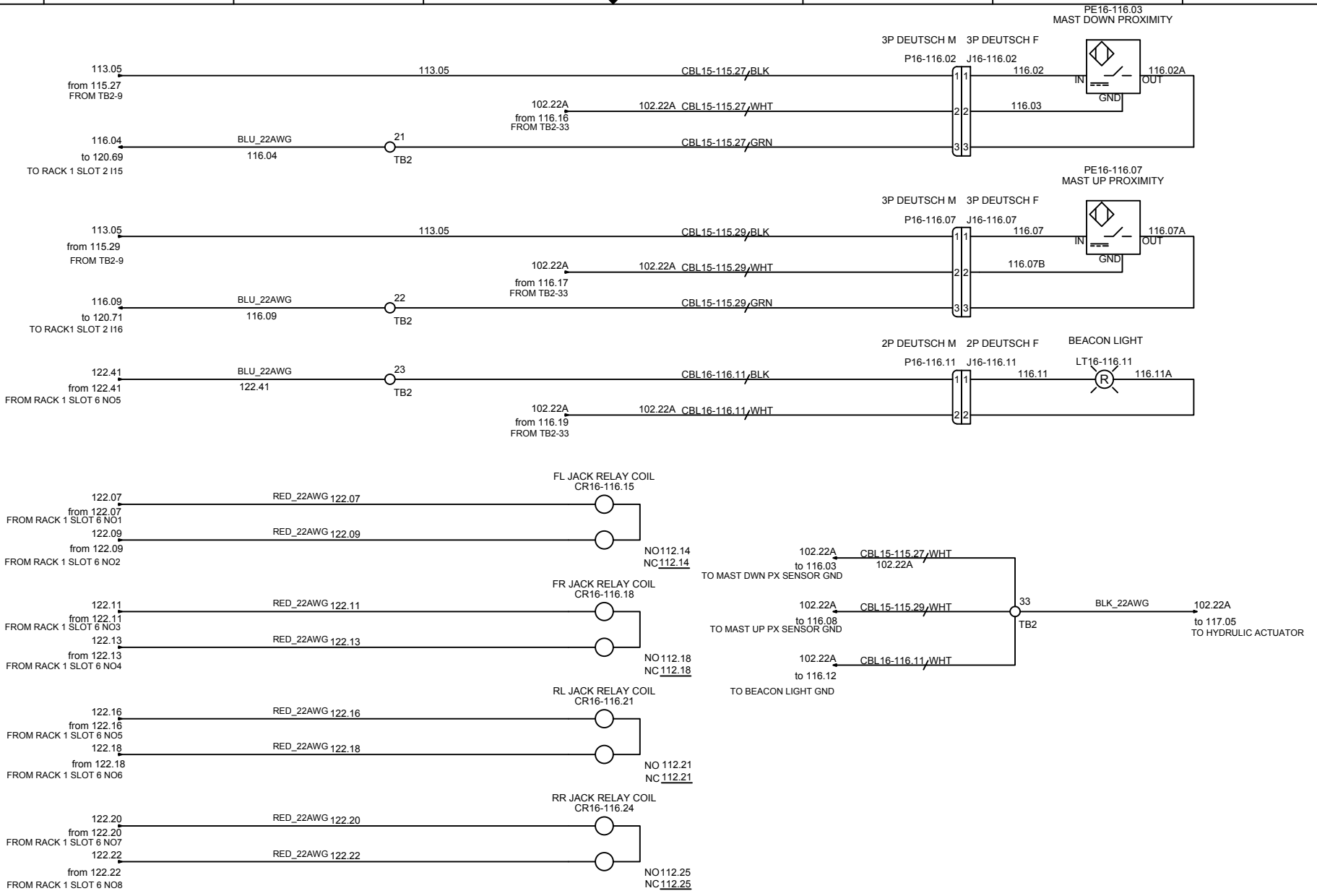
LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

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

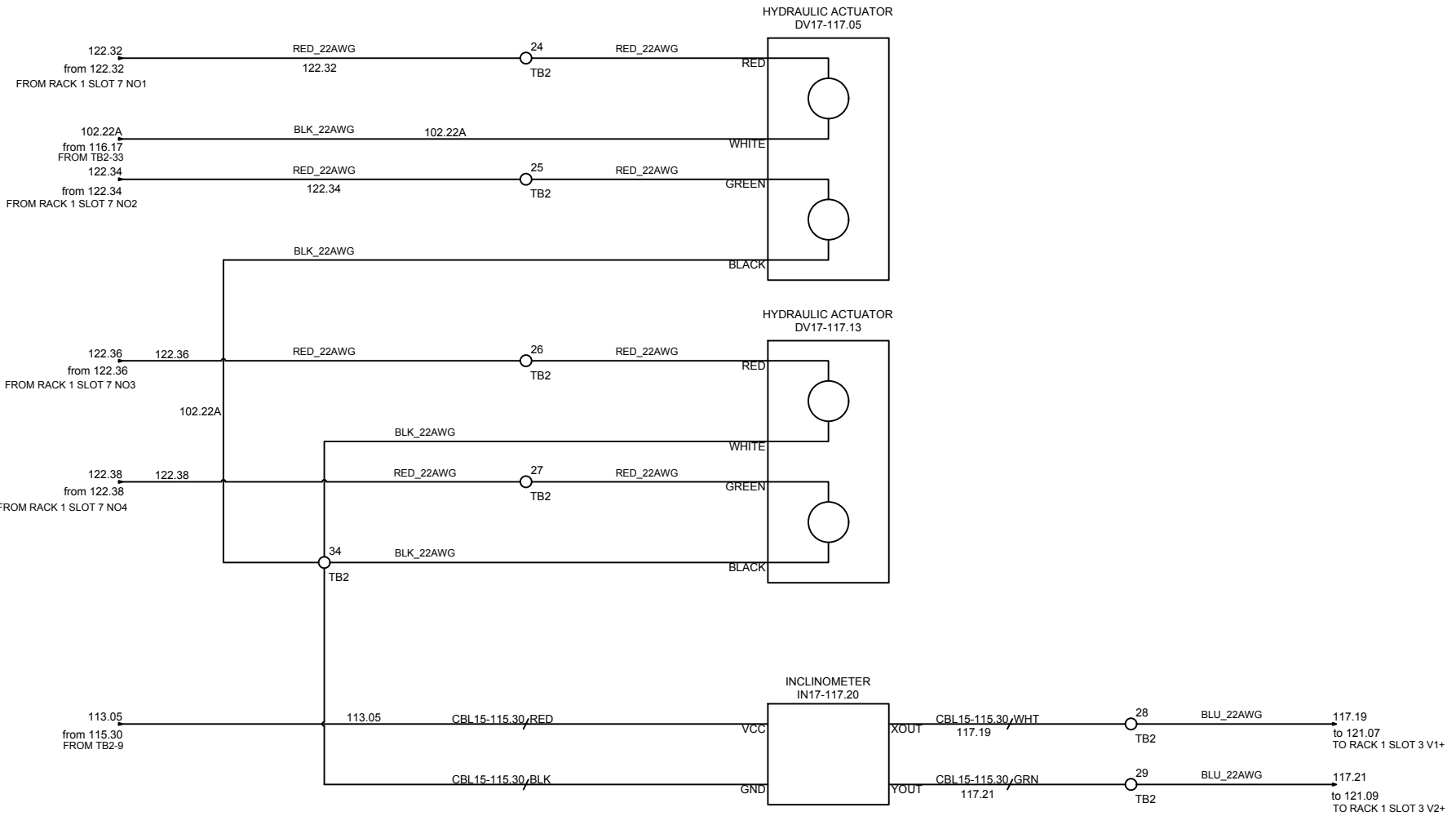


LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

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

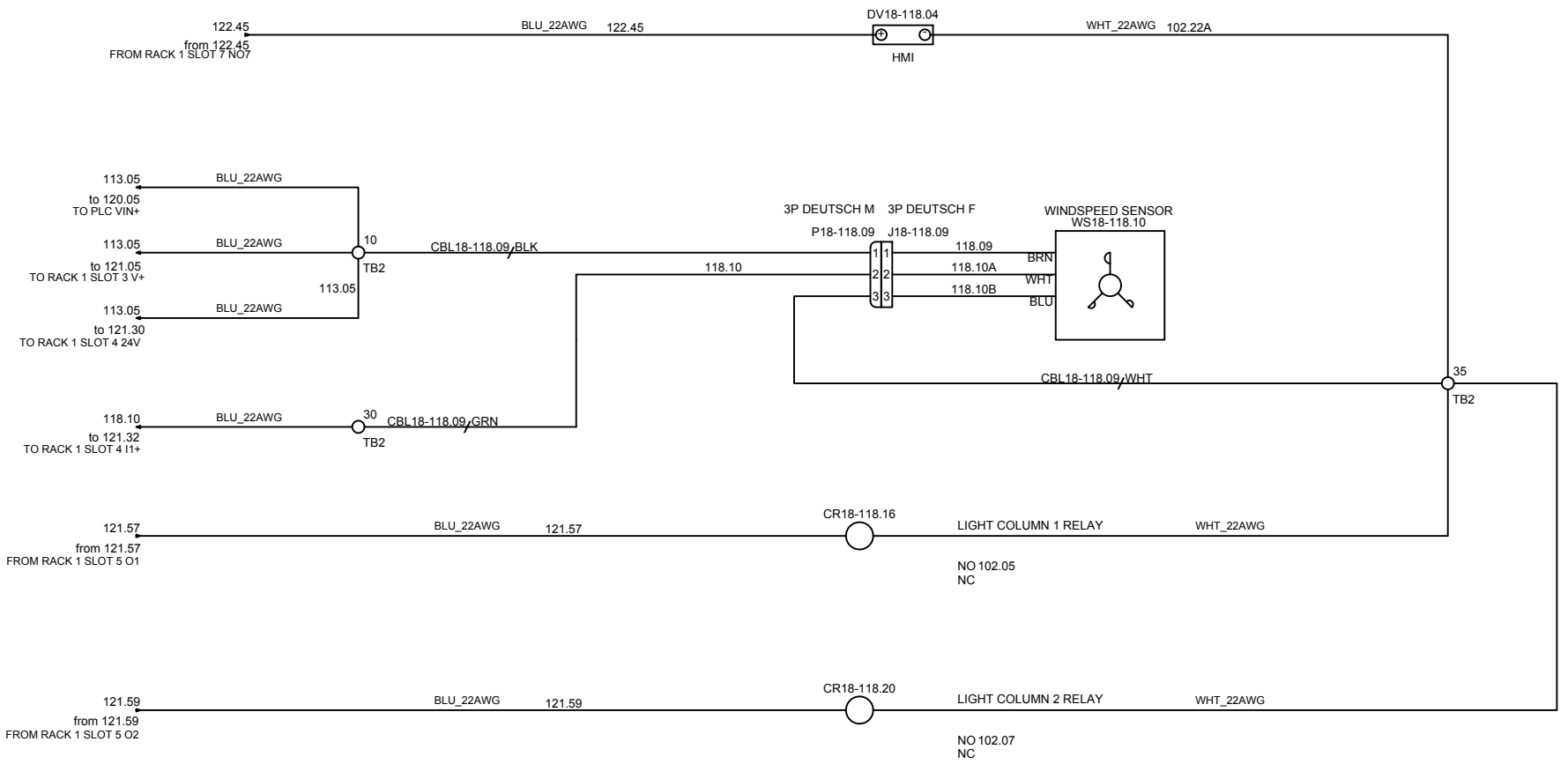


LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: WCDE-49-16X1500		
	DRAWN BY: P.CRYER	DATE: 03-16-2021	REV: A
	CHECKED BY: S.DESAI	SHEET #: 16 OF 29	DRAWING #: 116



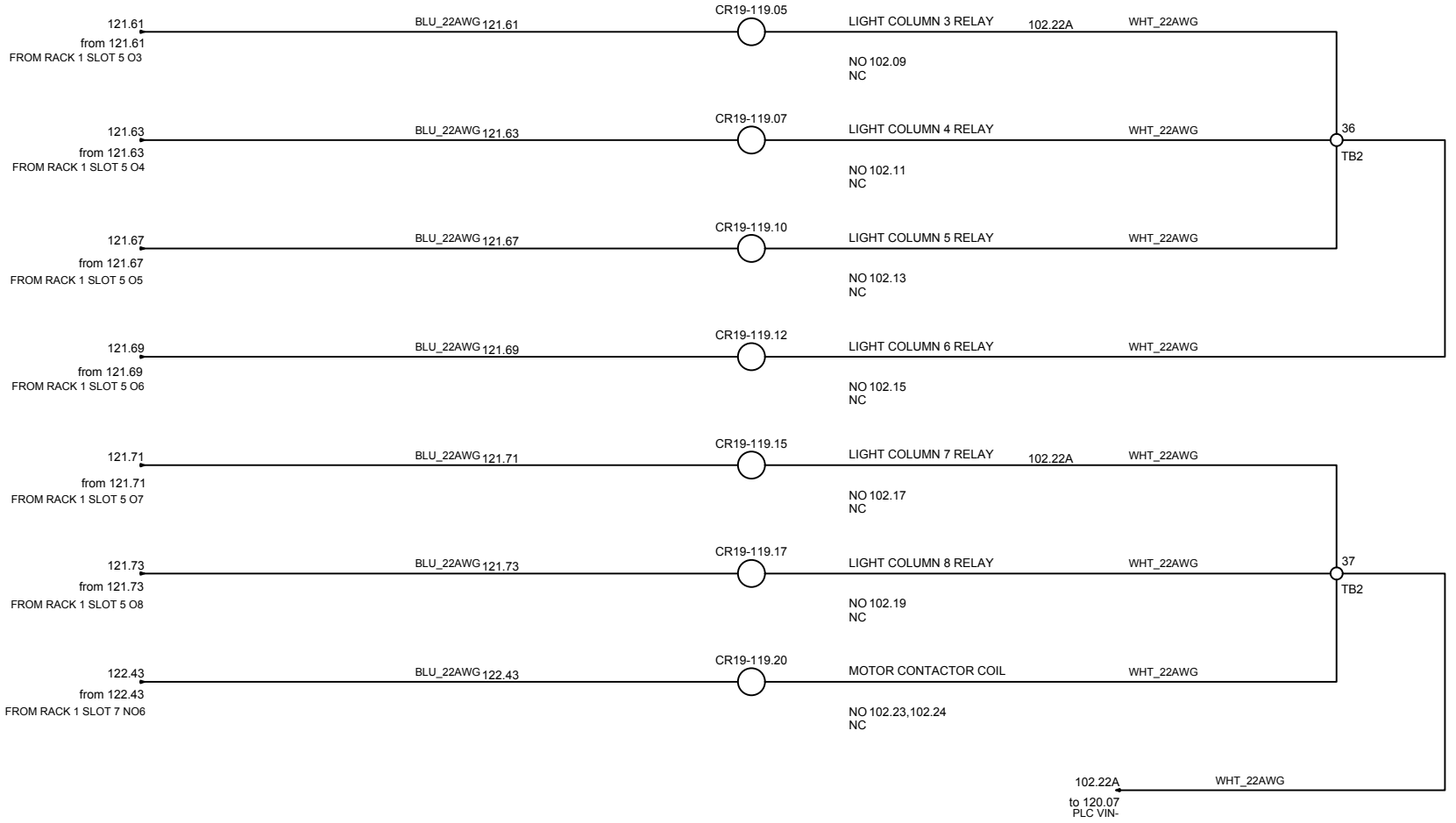
LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

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

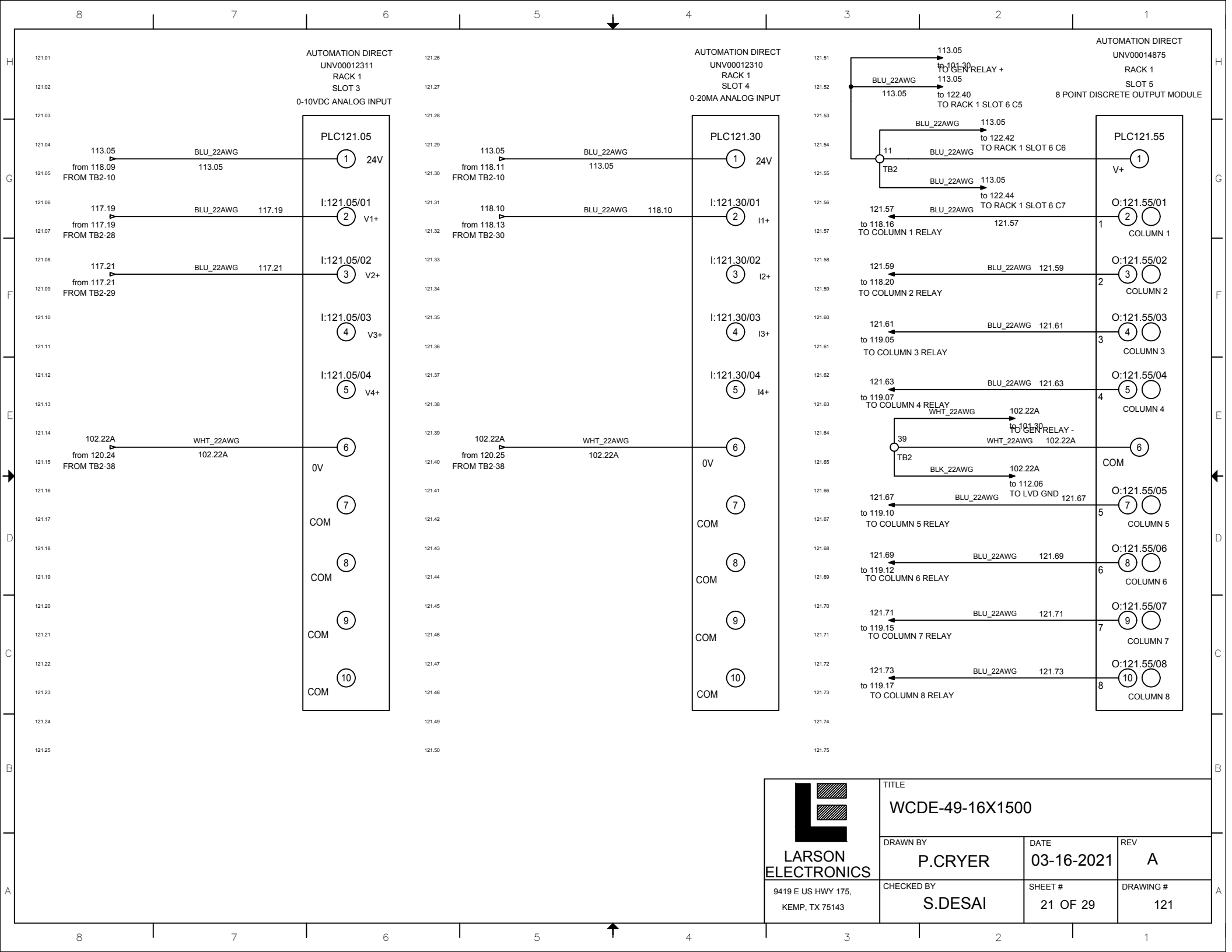
115.22
from 115.22
FROM RX-10
BLU_22AWG 115.22
16 I:120.30/14 14
RX 4

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

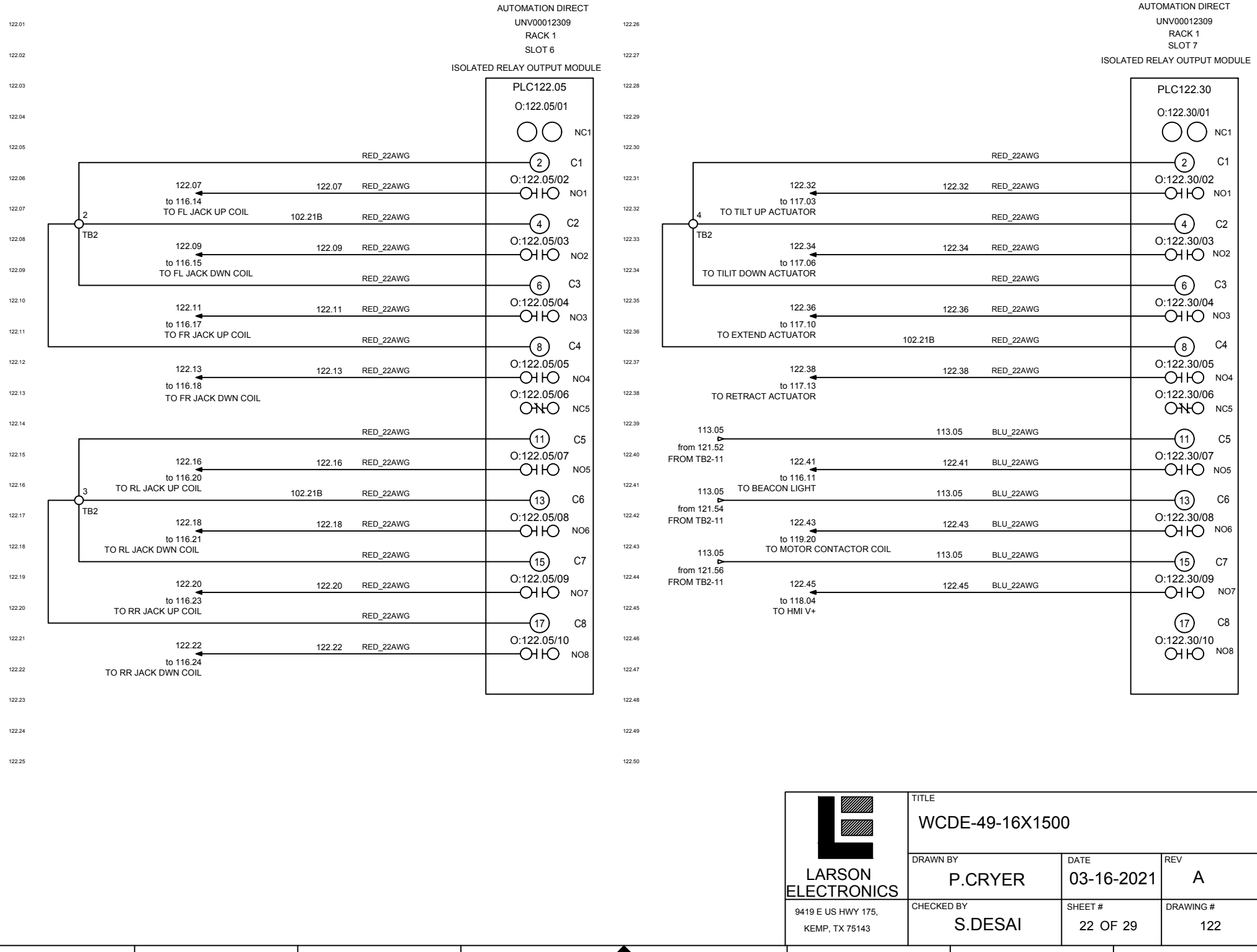
LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

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					

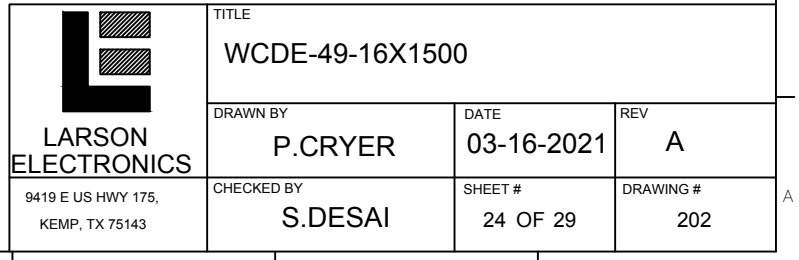
LARSON ELECTRONICS

9419 E US HWY 175,
KEMP, TX 75143

TITLE: WCDE-49-16X1500

DRAWN BY	DATE	REV
P.CRYER	03-16-2021	A
CHECKED BY	SHEET #	DRAWING #
S.DESAI	23 OF 29	201

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	

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	25 OF 29	203

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

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	26 OF 29	204

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

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	27 OF 29	205

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

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

TITLE: WCDE-49-16X1500

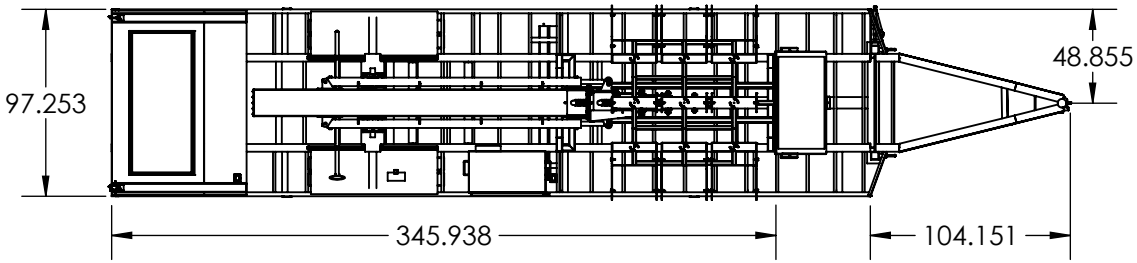
DRAWN BY	DATE	REV
P.CRYER	03-16-2021	A
CHECKED BY	SHEET #	DRAWING #
S.DESAI	28 OF 29	206

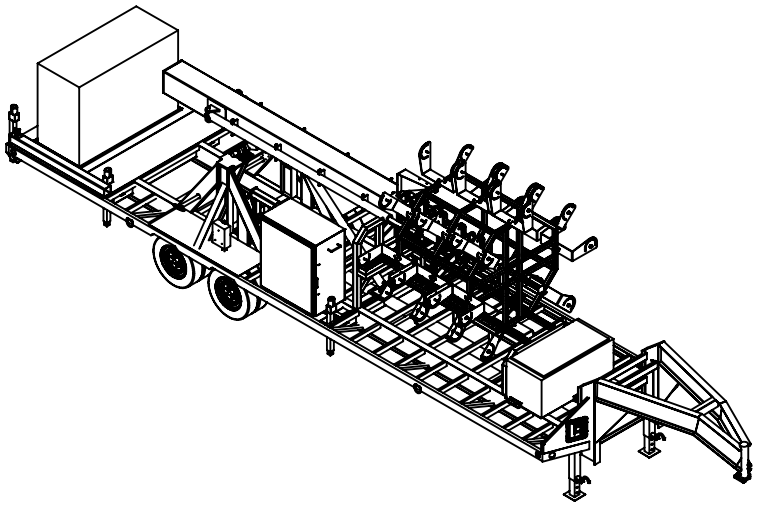
TAGS	QTY	CATALOG	DESCRIPTION
CBL10-110.03 CBL10-110.08 CBL10-110.16 CBL2-102.05 CBL2-102.09 CBL2-102.13 CBL3-103.03 CBL3-103.08 CBL3-103.16 CBL4-104.03 CBL4-104.08 CBL4-104.16 CBL5-105.03 CBL5-105.09 CBL5-105.16 CBL6-106.03 CBL6-106.09 CBL6-106.16 CBL7-107.03 CBL7-107.08 CBL7-107.15 CBL8-108.03 CBL8-108.08 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

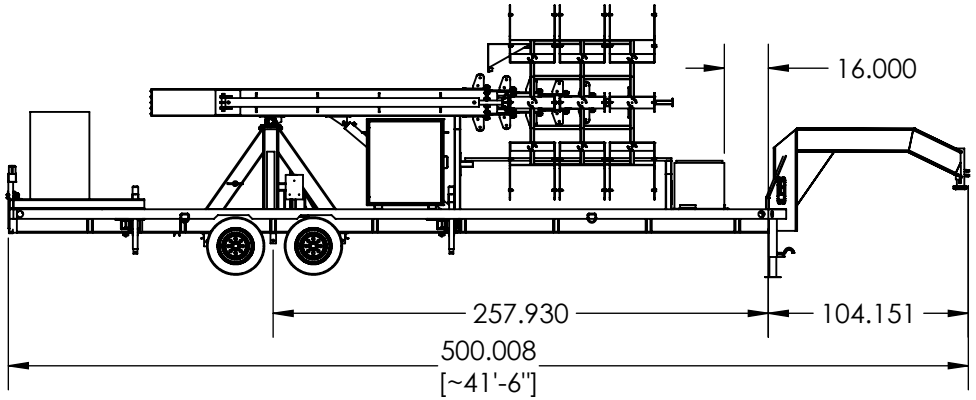
LARSON ELECTRONICS
9419 E US HWY 175,
KEMP, TX 75143

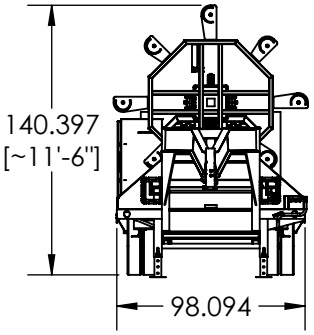
TITLE: WCDE-49-16X1500

DRAWN BY	DATE	REV
P.CRYER	03-16-2021	A
CHECKED BY	SHEET #	DRAWING #
S.DESAI	29 OF 29	207









LARSON ELECTRONICS

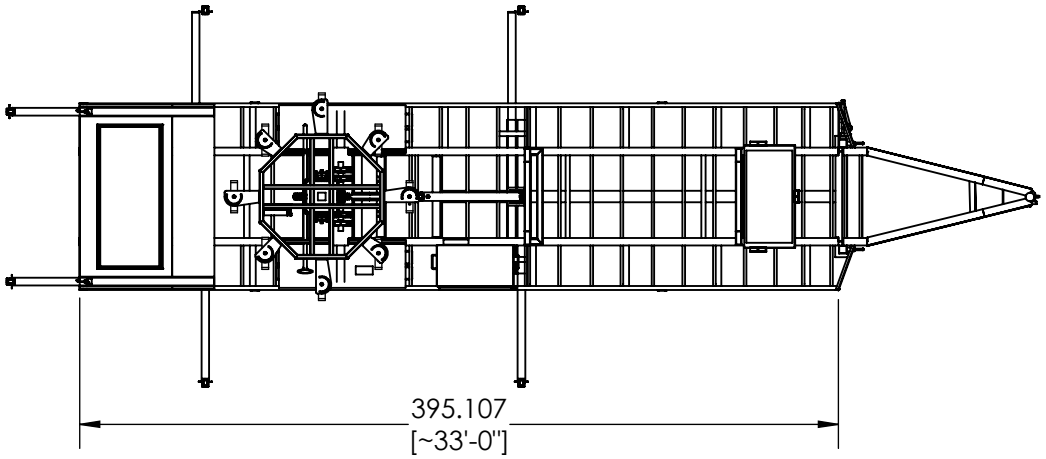
PART NUMBER:

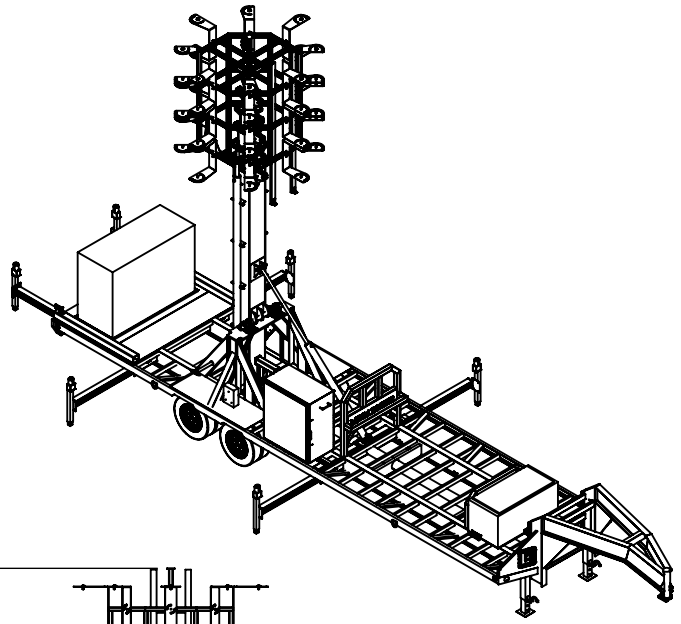
WCDE-11-HLM65-16X500LTL-LED

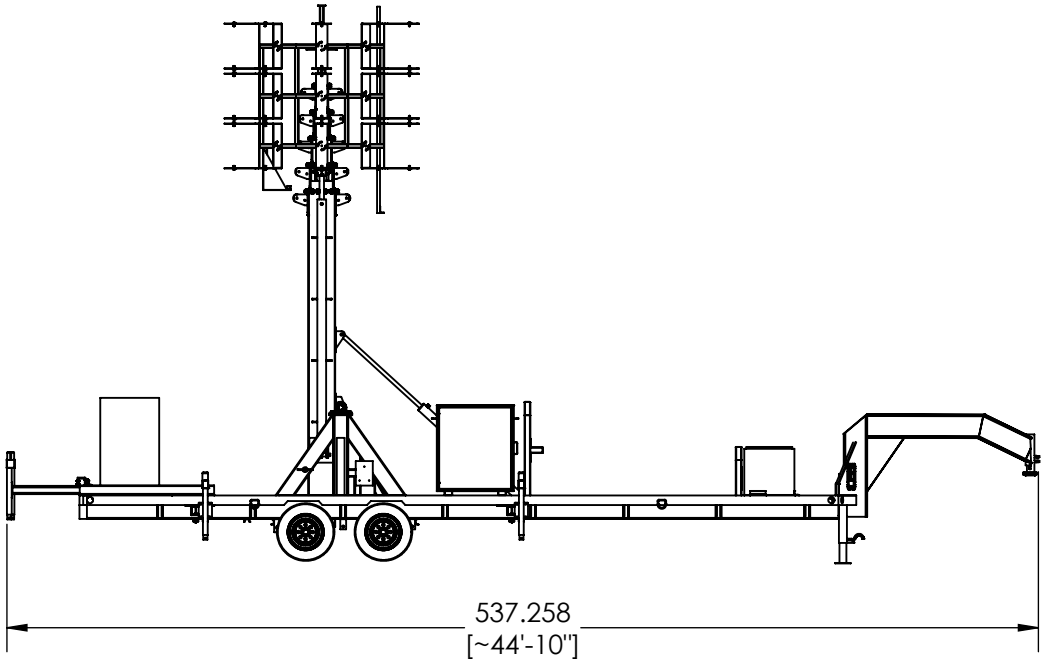
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LARSON ELECTRONICS LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LARSON ELECTRONICS LLC IS PROHIBITED.

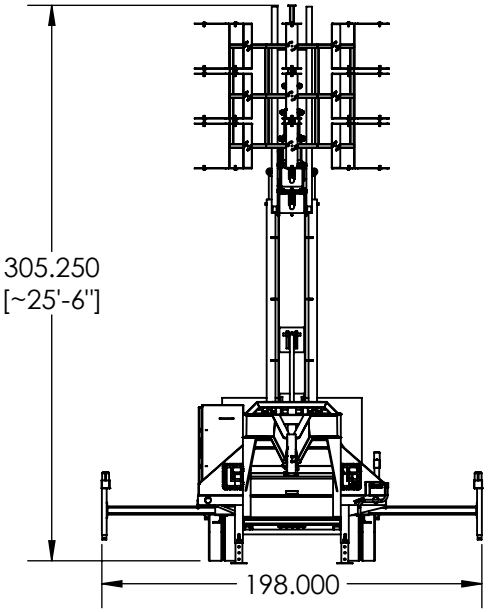
DIMENSIONS ARE IN INCHES			SIZE **A**	REV
DO NOT SCALE DRAWING	DATE	3/5/2021	SCALE: NTS	SHEET 1 OF 3

5 4 3 2 1









LARSON ELECTRONICS

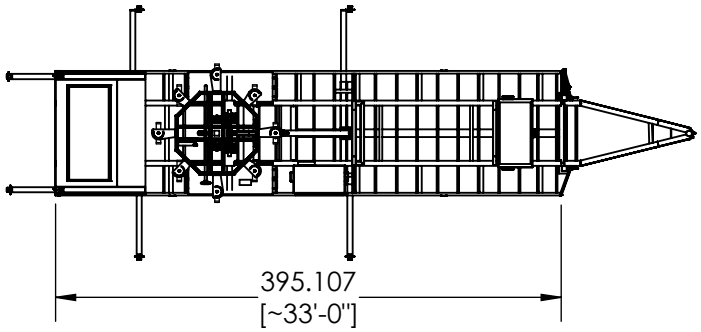
PART NUMBER:

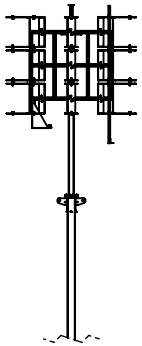
WCDE-11-HLM65-16X500LTL-LED

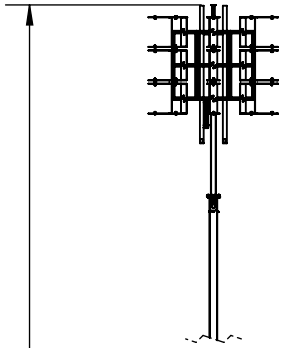
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LARSON ELECTRONICS LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LARSON ELECTRONICS LLC IS PROHIBITED.

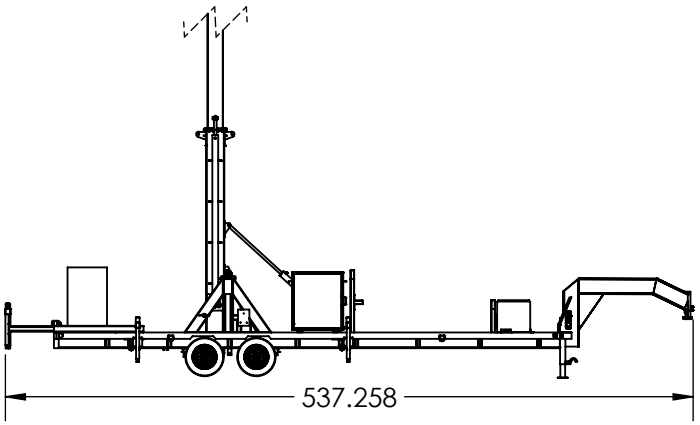
DIMENSIONS ARE IN INCHES			SIZE **A**	REV
DO NOT SCALE DRAWING	DATE	3/5/2021	SCALE: NTS	SHEET 2 OF 3

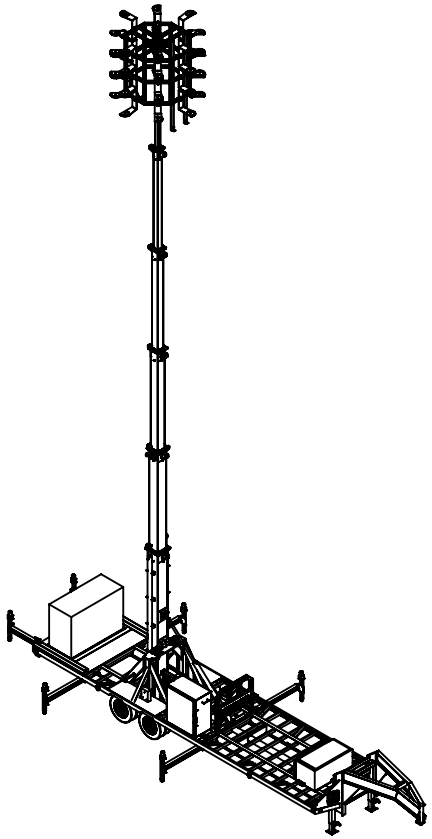
5 4 3 2 1











LARSON ELECTRONICS

PART NUMBER:

WCDE-11-HLM65-16X500LTL-LED

SIZE		REV
A		

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LARSON ELECTRONICS LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LARSON ELECTRONICS LLC IS PROHIBITED.

DIMENSIONS ARE IN INCHES				
DO NOT SCALE DRAWING	DATE	3/5/2021	SCALE: NTS	SHEET 3 OF 3

5 4 3 2 1

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364



Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364



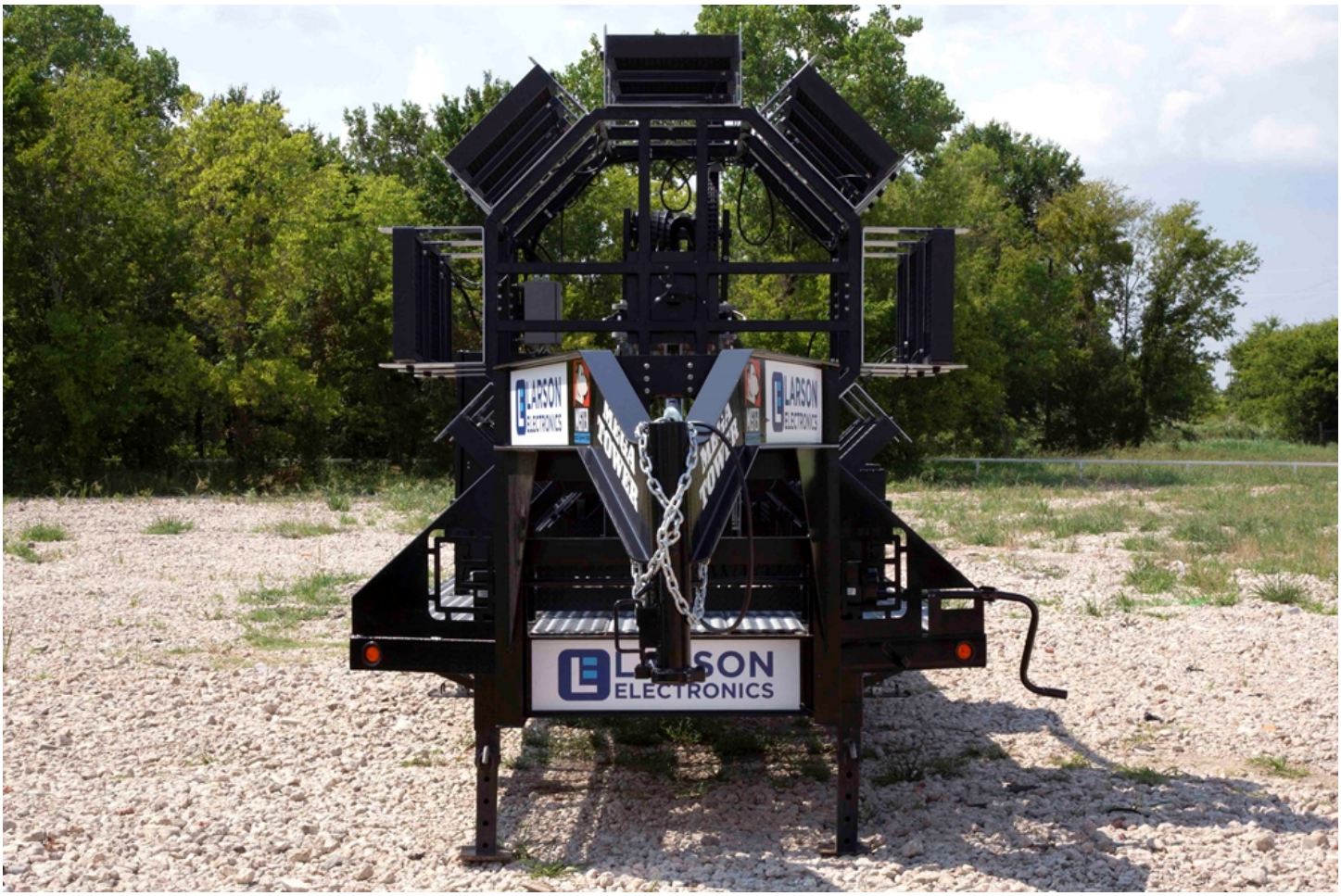
Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364



Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364



Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Frequently Asked Questions (FAQ)

There are no Faqs