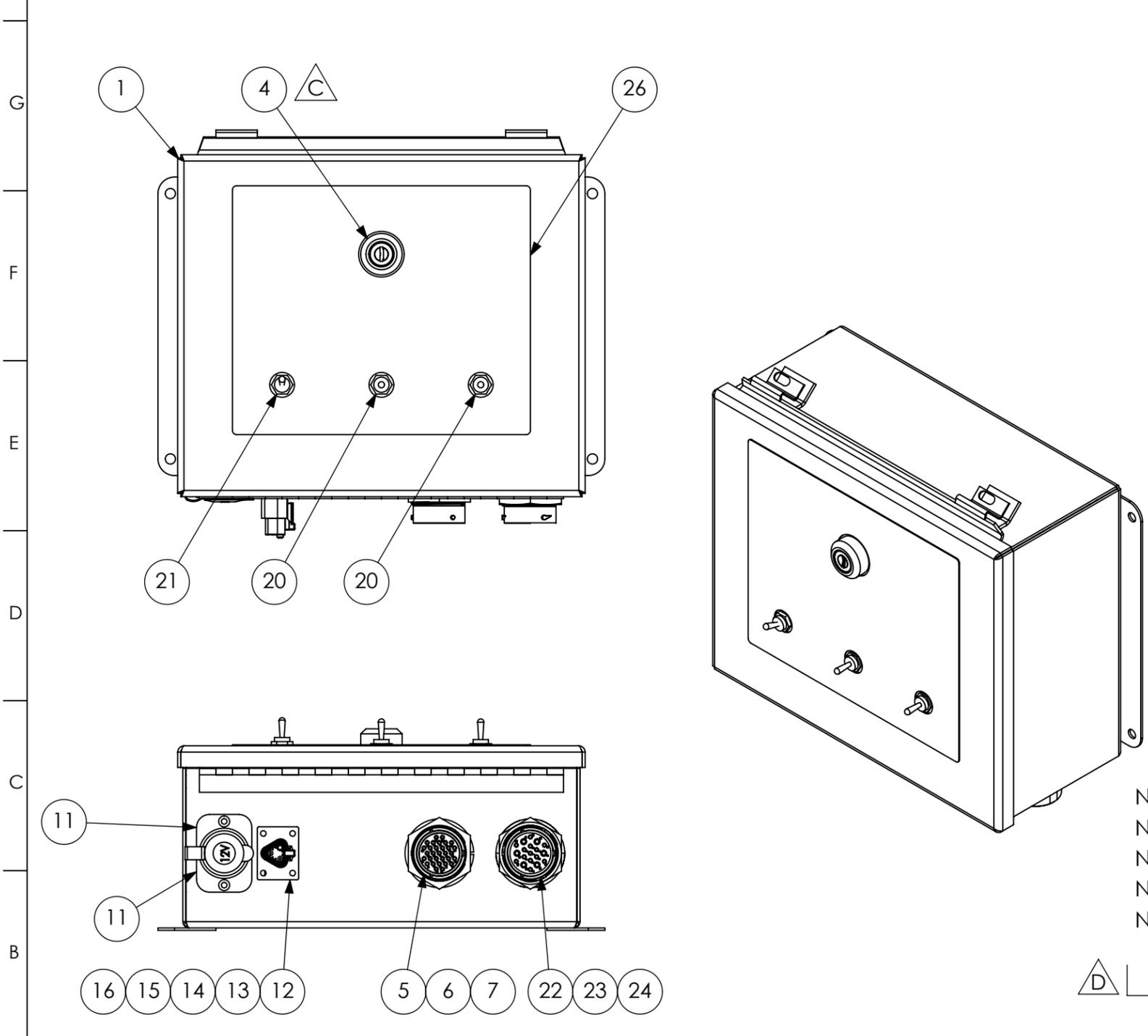


REVISIONS					
ECN	REV	DESCRIPTION	ZONE	BY	DATE
27903	A	NEW RELEASE		DC	4/4/2022
29308	B	ADDED HORN RELAY AND UPDATED WORK LIGHT WIRING	2-E3, 2-F3, 2-G3, 3-G3, 3-H2, 3-H4	DC	1/30/2023
32377	C	REMOVE 982008-04	G2	TWJ	5/13/2025
32371	D	CORRECTED VIBRATOR FUSE SIZE	B7, 3-H2	CJL	5/20/2025



ITEM NO.	PART NUMBER	QTY	DESCRIPTION
1	1021360	1	ENCLOSURE, JUNCTION BOX 8530
2	1019005	1	PLATE, PANEL, ENCLOSURE, 8510E
3	685060	1	FUSE BLOCK,18 GANG,ATC
4	39146-14	1	SWITCH,IGN,W/HEAT ST
5	1015381	1	CONNECTOR, 31 PIN, HD34-24-31ST
6	981916-02	1	CONN,LOCK WASHER,24 SHELL
7	981916-01	1	CONN,NUT,24 SHELL
8	36086	5	BRACKET,RELAY MOUNT
9	36085	5	RELAY,12VDC,SPDT,40 AMP,5 PIN
10	36340	15	FUSE,10 AMP,ATC
11	1011147	1	SOCKET, 12V, DUAL USB
12	1010657	1	CONNECTOR, 03-PIN, PANEL MOUNT, DEUTSCH, DT04-3P
13	983201	1	CONN,03-PIN,PLUG,DT06-3S DEUTSCH
14	983211	1	CONNECTOR, WEDGELOCK, DEUTSCH, W3P
15	983210	1	CONNECTOR, 03-PIN, WEDGE, PLUG, DEUTSCH
16	73192-02	17	PLUG,CAVITY,DEUTSCH CONN
17	36218	1	FUSE,30 AMP,ATC
18	36342	1	FUSE,20 AMP,ATC
19	20934592	1	RELAY,75 AMP,SPST
20	851392	2	SWITCH,TOGGLE,3-POS,SPDT,MOM
21	37521	1	SWITCH,TOGGLE,3-POS, 2 POL, MOM
22	1014909	1	RECEPTACLE, 19 PIN, DEUTSCH HDP20 SERIES
23	1011855	1	CONNECTOR, WASHER, DEUTSCH HDP20 SERIES
24	1011854	1	CONNECTOR, NUT, DEUTSCH HDP20 SERIES
25	36341	1	FUSE,15 AMP,ATC
26	1022473	1	DECAL, JUNCTION BOX, 8530
27	300-#8	2	WASHER, FLAT, SAE, #8
28	122-#8-32-8F	4	PHMS, CROSS, #8-32 X 0.5, FT
29	122-#8-32-16F	4	PHMS, CROSS, #8-32 X 1, FT
NS 30	400030	3	FUSE HOLDER, ATC, IN LINE
NS 31	1015794-55	1	FUSE, 1 AMP, ATC
NS 32	982448	17	TERMINAL,SOCKET,DEUTSCH,14-16AWG
NS 33	982456	12	PIN, DEUTSCH, 14-16AWG
NS 34	985769	4	TERM,PIN,DTP,10GA
35	1026072	1	DECAL, OPER, FUSE DIAGRAM, 8530/8616D
36	37303	2	FUSE,25 AMP,ATC

FINISH PER LEEBOY SPECIFICATION DRAWING 1014877														
GENERAL FABRICATION TOLERANCE - INCH				SURFACE: 250				GENERAL MACHINING TOLERANCE				SURFACE: 125		
>	0.000	3.000	12.000	24.000	48.000	96.000	120.000	240.000	0.000	1.000	3.000	6.000	12.000	36.000
≤	3.000	12.000	24.000	48.000	96.000	120.000	240.000	~	1.000	3.000	6.000	12.000	36.000	~
±	0.015	0.031	0.063	0.094	0.125	0.188	0.250	0.500	0.005	0.010	0.015	0.031	0.063	0.094
ANGLE	±0.5°		±1.0°		±2.0°		±3.0°		±0.1°		±0.3°		±0.5°	

DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

DIMENSIONS APPLY TO FINISHED PART. ROUGH CUTS MUST INCLUDE APPROPRIATE STOCK ALLOWANCE FOR MACHINED PARTS.

(REFERENCE DIMENSIONS)

REFER TO TABLES FOR GENERAL TOLERANCES

SHEET SCALE: 1:4

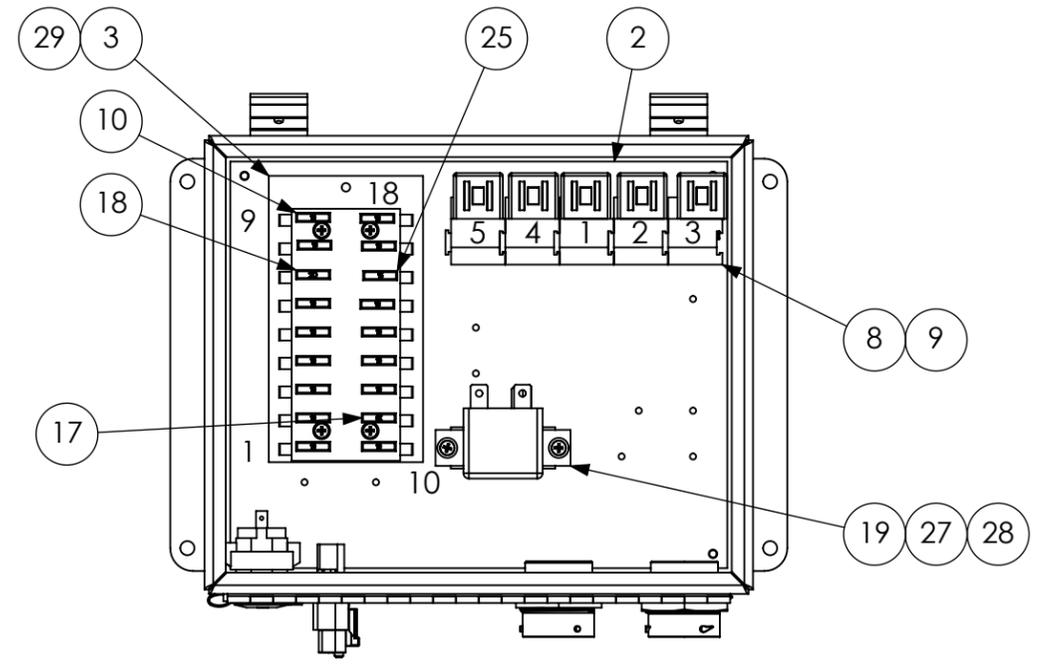
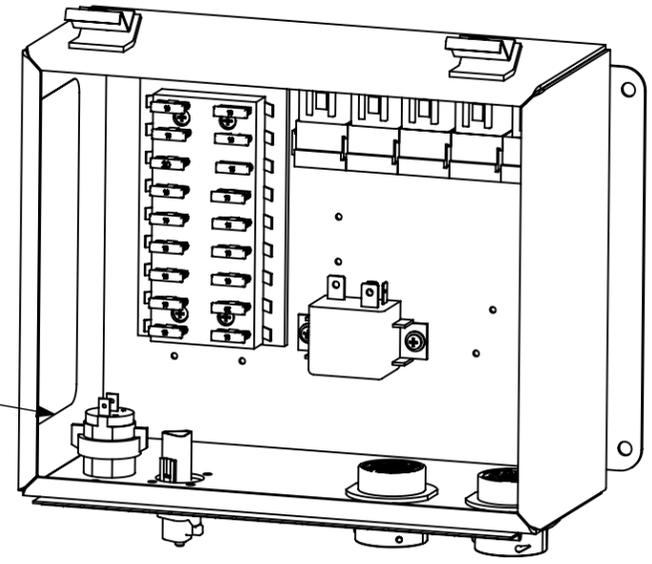
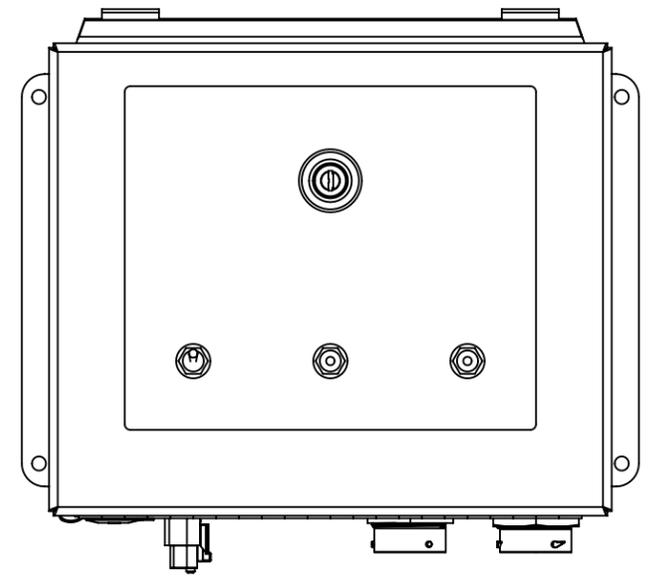
LeeBoy

ST ENGINEERING LEEBOY, dba LEEBOY
500 LINCOLN COUNTY PARKWAY EXT
LINCOLNTON, NC 28092

APPROVALS	DATE	1026071
DRAWN BY: DC	04/04/2022	
CHECKED BY: SDD	05/20/2025	ASSEMBLY, JUNCTION BOX, 8530/8616D
INFORMATION CONTAINED ON THIS DRAWING IS THE SOLE PROPERTY OF LEEBOY. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF LEEBOY IS PROHIBITED.		PAVER / 8530
THIRD ANGLE PROJECTION	SHT SIZE: B	SHT 1 OF 3
PART WEIGHT: 17.99 LBS		REV D

FUSE	FUNCTION	AMPS
1	PLUS 1	10
2	RIGHT DISPLAY	10
3	LEFT DISPLAY	10
4	SCREED HEAT BOX	10
5	SCREED POWER	10
6	TOPCON POWER	10
7	SPARE	20
8	HORN	10
9	REMOTE POWER	10
10	POWER OUTLET	10
11	HOOD LIFT	30
12	POWER CROWN	10
13	CONVEYOR LIFT	10
14	HYDRAULIC COOLERS IGN POWER	10
15	CONVEYOR CONTROL	10
16	SPARE	15
17	SPARE	10
18	BEACON	10
RELAY	FUNCTION	
1	BEACON RELAY	
2	WORK LIGHT RELAY	
3	VIBRATOR RELAY	
4	SPRAYDOWN RELAY	
5	HORN RELAY	

B
B
B



LID REMOVED FOR CLARITY

GENERAL FABRICATION TOLERANCE - INCH										SURFACE: 250					GENERAL MACHINING TOLERANCE					SURFACE: 125						
>	0.000	3.000	12.000	24.000	48.000	96.000	120.000	240.000	0.000	1.000	3.000	6.000	12.000	36.000	0.000	1.000	3.000	6.000	12.000	36.000	0.000	1.000	3.000	6.000	12.000	36.000
≤	3.000	12.000	24.000	48.000	96.000	120.000	240.000	~	1.000	3.000	6.000	12.000	36.000	~	0.005	0.010	0.015	0.031	0.063	0.094	0.005	0.010	0.015	0.031	0.063	0.094
±	0.015	0.031	0.063	0.094	0.125	0.188	0.250	0.500	0.005	0.010	0.015	0.031	0.063	0.094	0.005	0.010	0.015	0.031	0.063	0.094	0.005	0.010	0.015	0.031	0.063	0.094
ANGLE	±0.5°		±1.0°		±2.0°		±3.0°		±0.1°		±0.3°		±0.5°		±0.1°		±0.3°		±0.5°		±0.1°		±0.3°		±0.5°	

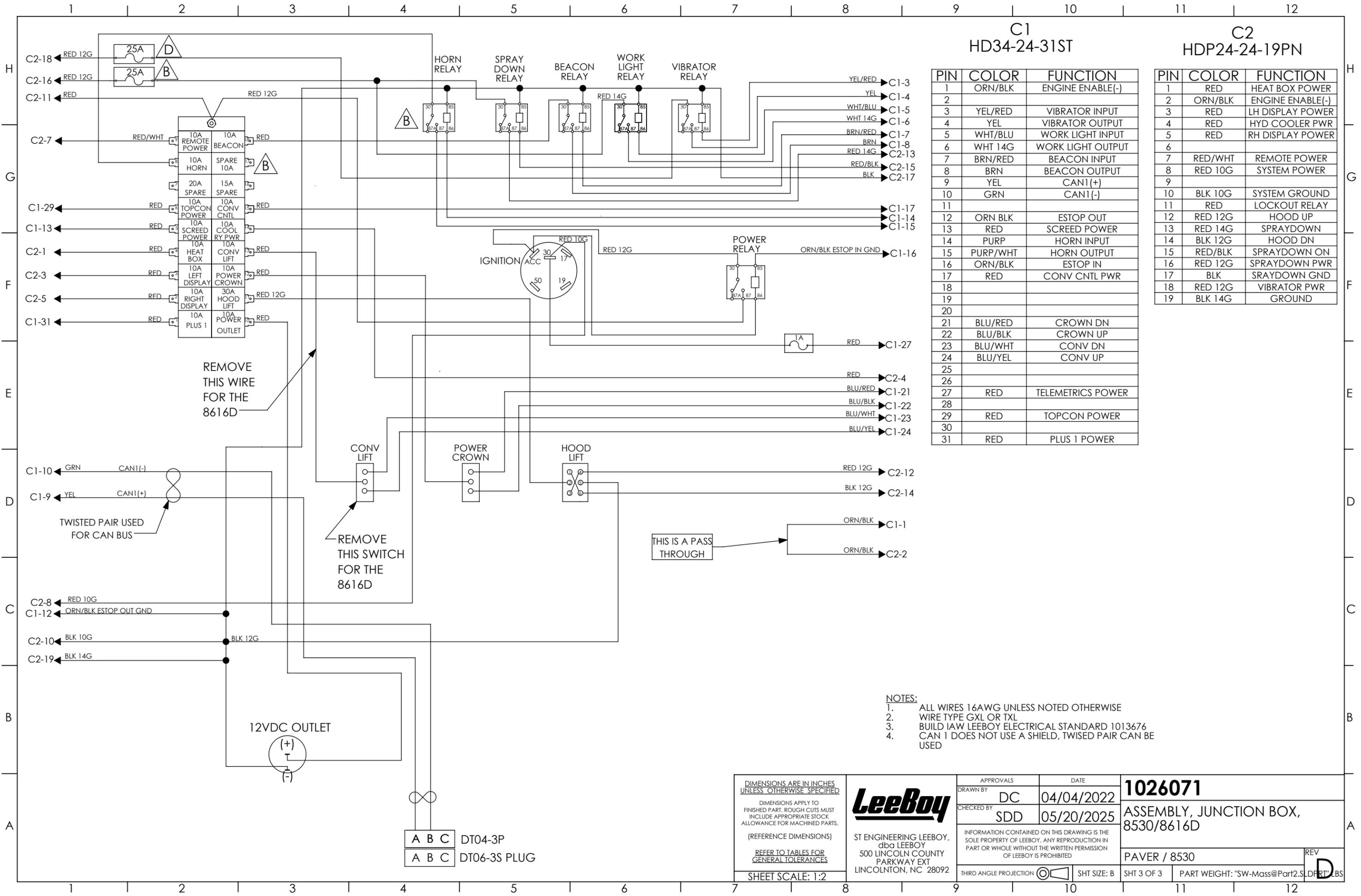
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED
 DIMENSIONS APPLY TO FINISHED PART. ROUGH CUTS MUST INCLUDE APPROPRIATE STOCK ALLOWANCE FOR MACHINED PARTS.
 (REFERENCE DIMENSIONS)
 REFER TO TABLES FOR GENERAL TOLERANCES
 SHEET SCALE: 1:4

Leeboy
 ST ENGINEERING LEEBOY,
 dba LEEBOY
 500 LINCOLN COUNTY
 PARKWAY EXT
 LINCOLNTON, NC 28092

APPROVALS	DATE
DRAWN BY DC	04/04/2022
CHECKED BY SDD	05/20/2025

1026071	ASSEMBLY, JUNCTION BOX, 8530/8616D
PAVER / 8530	
THIRD ANGLE PROJECTION	SHT SIZE: B
SHT 2 OF 3	PART WEIGHT: 17.99 LBS

REV D



**C1
HD34-24-31ST**

PIN	COLOR	FUNCTION
1	ORN/BLK	ENGINE ENABLE(-)
2		
3	YEL/RED	VIBRATOR INPUT
4	YEL	VIBRATOR OUTPUT
5	WHT/BLU	WORK LIGHT INPUT
6	WHT 14G	WORK LIGHT OUTPUT
7	BRN/RED	BEACON INPUT
8	BRN	BEACON OUTPUT
9	YEL	CAN1(+)
10	GRN	CAN1(-)
11		
12	ORN BLK	ESTOP OUT
13	RED	SCREED POWER
14	PURP	HORN INPUT
15	PURP/WHT	HORN OUTPUT
16	ORN/BLK	ESTOP IN
17	RED	CONV CNTL PWR
18		
19		
20		
21	BLU/RED	CROWN DN
22	BLU/BLK	CROWN UP
23	BLU/WHT	CONV DN
24	BLU/YEL	CONV UP
25		
26		
27	RED	TELEMETRICS POWER
28		
29	RED	TOPCON POWER
30		
31	RED	PLUS 1 POWER

**C2
HDP24-24-19PN**

PIN	COLOR	FUNCTION
1	RED	HEAT BOX POWER
2	ORN/BLK	ENGINE ENABLE(-)
3	RED	LH DISPLAY POWER
4	RED	HYD COOLER PWR
5	RED	RH DISPLAY POWER
6		
7	RED/WHT	REMOTE POWER
8	RED 10G	SYSTEM POWER
9		
10	BLK 10G	SYSTEM GROUND
11	RED	LOCKOUT RELAY
12	RED 12G	HOOD UP
13	RED 14G	SPRAYDOWN
14	BLK 12G	HOOD DN
15	RED/BLK	SPRAYDOWN ON
16	RED 12G	SPRAYDOWN PWR
17	BLK	SRAYDOWN GND
18	RED 12G	VIBRATOR PWR
19	BLK 14G	GROUND

- NOTES:**
- ALL WIRES 16AWG UNLESS NOTED OTHERWISE
 - WIRE TYPE GXL OR TXL
 - BUILD IAW LEEBOY ELECTRICAL STANDARD 1013676
 - CAN 1 DOES NOT USE A SHIELD, TWISDED PAIR CAN BE USED

<small>DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED</small> <small>DIMENSIONS APPLY TO FINISHED PART. ROUGH CUTS MUST INCLUDE APPROPRIATE STOCK ALLOWANCE FOR MACHINED PARTS.</small> <small>(REFERENCE DIMENSIONS)</small> <small>REFER TO TABLES FOR GENERAL TOLERANCES</small> SHEET SCALE: 1:2		<small>APPROVALS</small> <small>DRAWN BY</small> DC	<small>DATE</small> 04/04/2022	1026071 ASSEMBLY, JUNCTION BOX, 8530/8616D
		<small>CHECKED BY</small> SDD	05/20/2025	
<small>ST ENGINEERING LEEBOY, dba LEEBOY 500 LINCOLN COUNTY PARKWAY EXT LINCOLN, NC 28092</small>		<small>INFORMATION CONTAINED ON THIS DRAWING IS THE SOLE PROPERTY OF LEEBOY. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF LEEBOY IS PROHIBITED</small>		<small>PAVER / 8530</small>
<small>THIRD ANGLE PROJECTION</small>		<small>SHT SIZE: B</small>	<small>SHT 3 OF 3</small>	<small>PART WEIGHT: "SW-Mass@Part2.S.DPRT".LBS</small>

A B C DT04-3P
A B C DT06-3S PLUG