

CITY OF THIBODAUX

PUBLIC WORKS DEPARTMENT

P. O. BOX 5418
1219 HENRY S. THIBODAUX
THIBODAUX, LOUISIANA 70302
www.ci.thibodaux.la.us

JOSH BOURGEOIS
DIRECTOR

TELEPHONE: (985) 446-7223
FAX: (985) 446-7272
EMAIL: jbourgeois@ci.thibodaux.la.us

August 20, 2025

To: Planning & Zoning Commission Members
CC: Mayor Clement; Rhonda Dempster, Executive Assistant to Mayor; Jenny Morvant, City Council Administrator; Josh Bourgeois, Public Works Director; Trey Waguespack, Asst. Public Works Director

To whom it may concern,

The two items on September's Planning & Zoning agenda are in reference to regulating the use and placement of EV Chargers within the City of Thibodaux. These revisions to our zoning ordinance are in regards to a request to place EV chargers at Rouse Epicurean at 204 N Canal Boulevard.

I have attached a copy of the documentation sent to me by LUX Solutions, the company who is intending to do the installation. These documents include proposed locations of EV chargers as well as specifications and product details.

With Kind Regards,

Monique Reulet

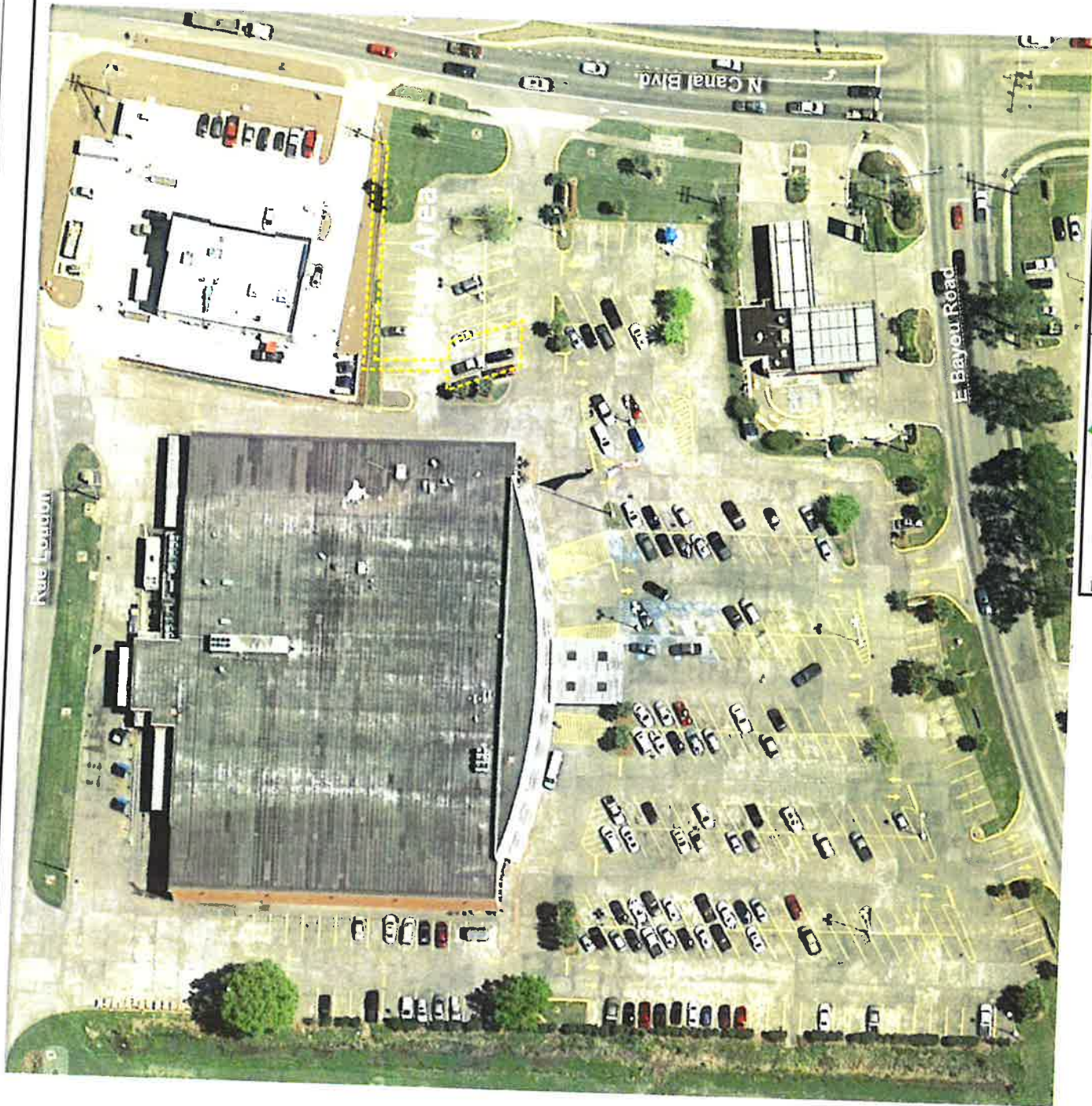
Public Works Executive Secretary - Inspection Division

Create new definition of “Electric Vehicle (EV) Charging Station”. Proposal would be to allow in C-1, C-2, I-1 & I-2 only for the time being.

***Should this definition specify the chargers are an accessory use on a premise?**

Request to amend and re-enact Article 2, Section 202 – Definitions as follows:

Electric Vehicle (EV) Charging Station: a device that permits the transfer of electric energy (by conductive or inductive means) to a battery or other storage device in an electric vehicle. This use is to serve as an accessory use only.

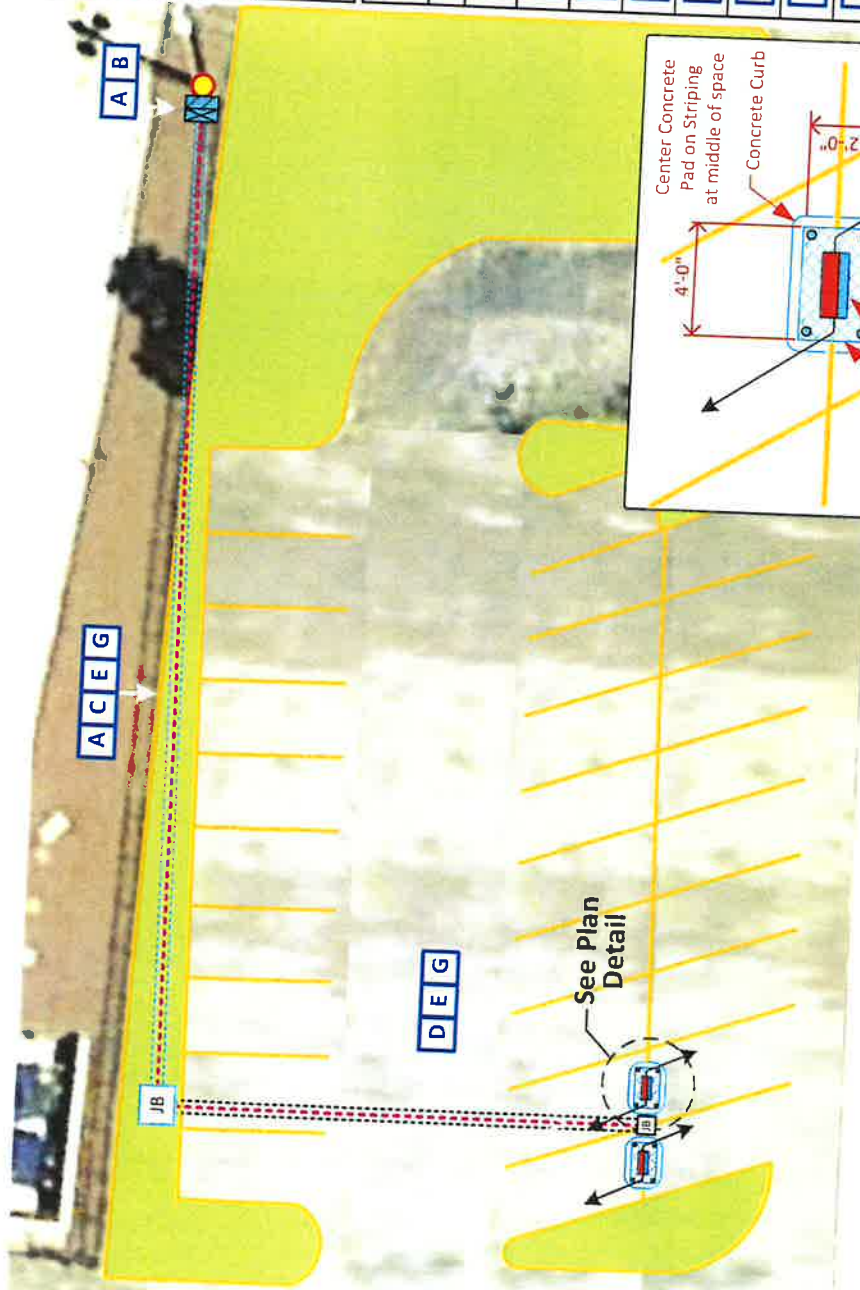


LUX SOLUTIONS LLC
2285 Towne Lake
Pkwy
Woodstock, GA 30189
800.268.2278
www.luxsolutions.com

EV Charging Station Additions - Site Key

Rouses 16 - Thibodaux
204 N Canal Blvd, Thibodaux, LA 70301

Drawn	JM	SHEET NO. 1
Checked	KR	OF 7 SHEETS
Date	05-15-24	
Scale	As Noted	



NOTES:

1. IMPACTED EXISTING PARKING = 4 STANDARD SPACES
2. PROPOSED CHARGING = 4 TOTAL SPACES; 4 STANDARD SPACES
3. ALL VALUES AND QUANTITIES OF ELECTRICAL COMPONENTS ARE TO BE REVIEWED AND VERIFIED BY THE ELECTRICAL CONTRACTOR

SYMBOL LEGEND	
SYM.	DESCRIPTION
T	EXISTING TRANSFORMER
JB	PROPOSED JUNCTION BOX
M	PROPOSED SERVICE METER AND MAIN PANELBOARD
EV	EV FOCUS CHARGING STATION WITH TWO LEVEL 2 EV CHARGERS (EVSE)
●	PROPOSED SITE BOLLARD
---	ELECTRICAL SERVICE SUPPLY FROM POLE LIGHT TO METER
---	UNDERGROUND ELECTRICAL CONDUIT
---	TRENCHING
---	HORIZONTAL BORING
---	PROPOSED CONCRETE PAD
●	EXISTING UTILITY OWNED POWER POLE

SITE INFRASTRUCTURE IMPROVEMENTS		
SYM.	CONSTRUCTION NOTES	E.Q.
A	REMOVE VEGETATION	110LF
B	INSTALL UNISTRUT-MOUNTED 200 AMP SERVICE METER AND MAIN PANELBOARD (EXACT LOCATION TBD)	1 UNIT
C	2' WIDE UTILITY TRENCH	110
D	HORIZONTAL BORING	100LF
E	INSTALL BELOW GRADE PVC CONDUIT	210
F	INSTALL JUNCTION BOX	XX
G	(2) #8 CU WIRE CONDUCTORS W/(1) #8 CU GRND WIRE PER EACH LEVEL 2 CHARGER (ELECTRICIAN TO VERIFY)	60 LF
H	INSTALL 4'-0"x2'-0" HIGH CONCRETE PAD WITH 6" CURB AND PVC STUB FOR EV FOCUS	2
I	INSTALL TWO EV FOCUS CHARGING STATIONS CENTERED ON ONE CONCRETE PAD AS SHOWN	1
J	INSTALL EV FOCUS-MOUNTED EV FLEX CHARGERS	4
K	INSTALL FOUR SITE BOLLARDS PER STATION	2
L	INSTALL EV PARKING SIGNS AT EACH ASSIGNED SPACE	4
TOTAL		TOTAL

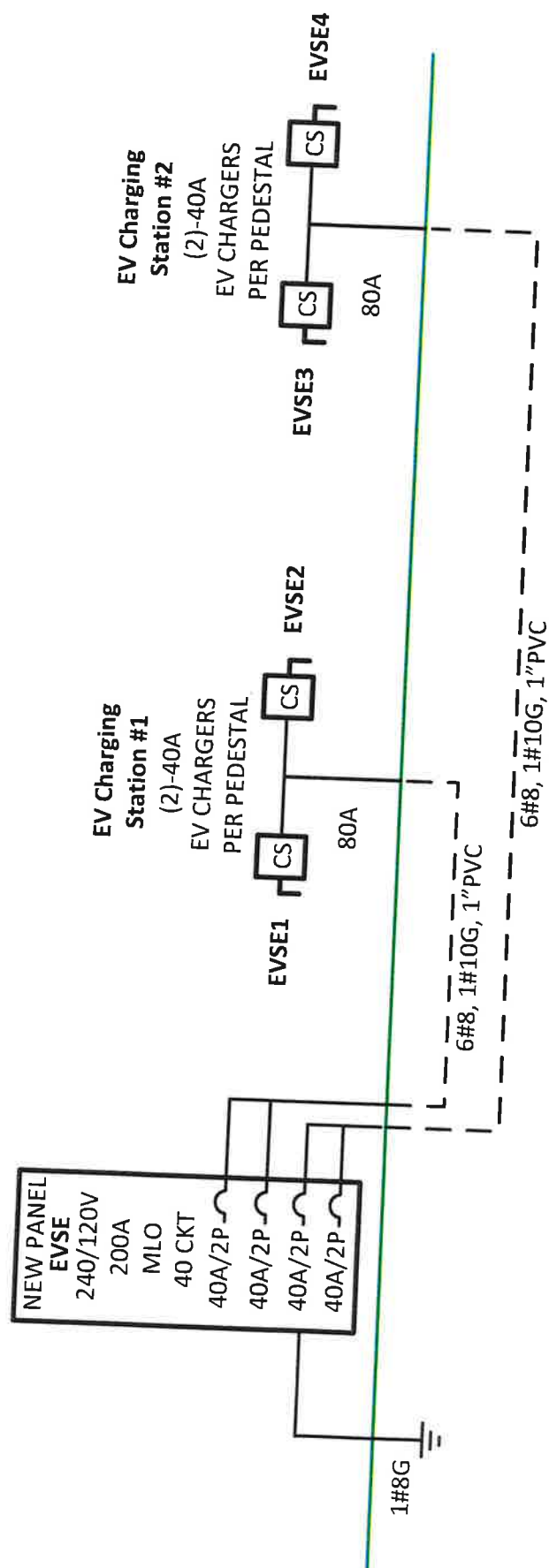
LUX SOLUTIONS
2288 Towne Lake Pkwy
Woodstock, GA 30188
800.299.2278
www.luxsolutions.com

EV Charging Station Additions - Site Plan

Rouses 16 - Thibodaux
204 N Canal Blvd, Thibodaux, LA 70301

Drawn: JM
Checked: KR
Date: 05-15-24
Scale: As Noted

SHEET NO. 2
OF 7 SHEETS



NOTE: ALL VALUES AND QUANTITIES OF ELECTRICAL COMPONENTS ARE TO BE REVIEWED AND VERIFIED BY THE ELECTRICAL CONTRACTOR

LUX SOLUTIONS LLC
 2205 Towne Lake Pkwy
 Woodstock, GA 30186
 800.266.2278
 www.luxsolutions.com

EV Charging Station Additions - Line Diagram

Rouses 16 - Thibodaux
 204 N Canal Blvd, Thibodaux, LA 70301

Drawn: JIM
 Checked: KR
 Date: 05-15-24
 Scale: As Noted

SHEET NO. 3
 OF 7 SHEETS

New Panel EVSP

Location: **Existing Power Utility Pole**
 Supply From:
 Mounting:
 Enclosure:

Volts: 120/240 Single
 Phases: 1
 Wires: 3

A.I.C. Rating:
 Mains Type:
 Mains Rating: **200A**
 MCB Rating: **200A**

Notes:

(4) - 40-Amp 2 pole breakers

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT
1	L2 EV Charger	40A	2	32A	32A	2	40A	L2 EV Charger	2
3	*****	***	***		32A	2	40A	L2 EV Charger	4
5	L2 EV Charger	40A	2	32A	32A	2	40A	L2 EV Charger	6
7	*****	***	***		32A	2	40A	L2 EV Charger	8
9									10
11									12
13									14
15									16
17									18
19									20
21									22
23									24
25									26
27									28
29									30
31									32
33									34
35									36
37									38
39									40
41									42
		Total Amps:		A 128	B 128				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 128.0 Amps
				Total Est. Demand: 160.0 Amps
				Total Conn.: 28.8 kVA
				Total Est. Demand: 38.4 kVA

NOTE: ALL VALUES AND QUANTITIES OF ELECTRICAL COMPONENTS ARE
 TO BE REVIEWED AND VERIFIED BY THE ELECTRICAL CONTRACTOR



EV Charging Station Additions - EV Focus Specifications

Rouses 16 - Thibodaux

204 N Canal Blvd, Thibodaux, LA 70301

Drawn: JM
 Checked: KR
 Date: 05-15-24
 Scale: As Noted

SHEET NO. 4
 OF 7 SHEETS

loop

ev charging network

EV-FOCUS™

Integration Display
EV Charging Station

Integrate Loop EV charging network into your existing EV charging station. The Loop EV charging network is the only EV charging network that is fully integrated with your existing EV charging station.

- Integrate Loop EV charging network into your existing EV charging station.
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EV-FOCUS™ Specifications

Core Specifications

Integrate Loop EV charging network into your existing EV charging station. The Loop EV charging network is the only EV charging network that is fully integrated with your existing EV charging station.

Level 2 Charger Specifications

Integrate Loop EV charging network into your existing EV charging station. The Loop EV charging network is the only EV charging network that is fully integrated with your existing EV charging station.

Electrical

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Connectivity

Integrate Loop EV charging network into your existing EV charging station. The Loop EV charging network is the only EV charging network that is fully integrated with your existing EV charging station.

Network Connectivity

Integrate Loop EV charging network into your existing EV charging station. The Loop EV charging network is the only EV charging network that is fully integrated with your existing EV charging station.

Loop Network - App

Integrate Loop EV charging network into your existing EV charging station. The Loop EV charging network is the only EV charging network that is fully integrated with your existing EV charging station.

Warranty

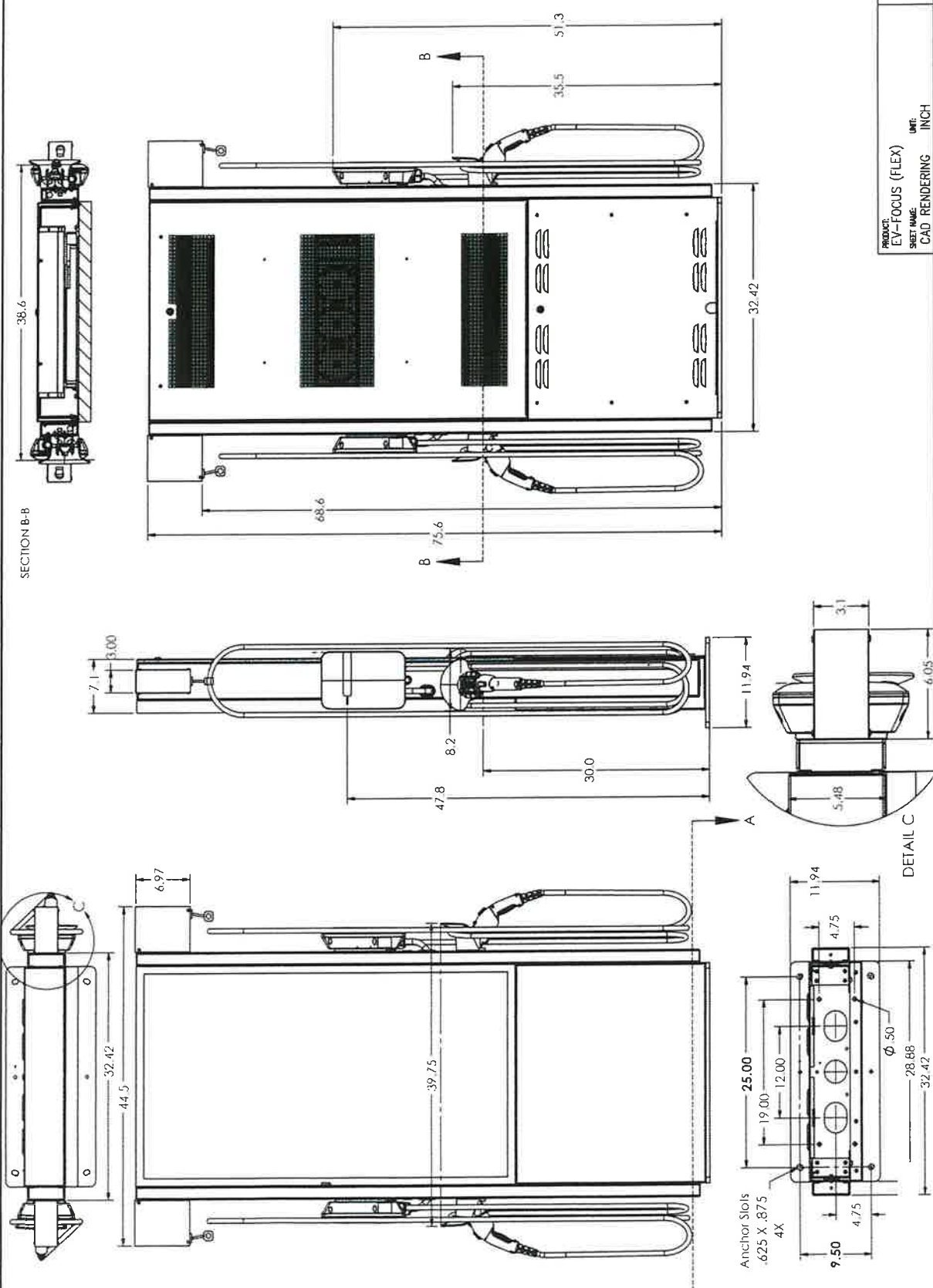
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Certifications & Standards

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Ordering

Integrate Loop EV charging network into your existing EV charging station. The Loop EV charging network is the only EV charging network that is fully integrated with your existing EV charging station.



PRODUCT	EV-FOCUS (FLEX)
SHEET NAME	CAD RENDERING
DATE	05-15-24
SCALE	As Noted



LUX
SOLUTIONS

LUX SOLUTIONS LLC
2285 Towne Lake
Piney
Woodstock, GA 30189
800.268.2278
www.luxsolutions.com

EV Charging Station Additions – EV Focus Details	
Drawn Checked Date	JM KR 05-15-24
Scale As Noted	
Rouses 16 - Thibodaux 204 N Canal Blvd, Thibodaux, LA 70301	
SHEET NO. 6 OF 7 SHEETS	



EV-FLEX™

Electric Vehicle Level 2 Charging Station

- 24-hour operation
- 24-hour operation
- 24-hour operation
- 24-hour operation
- 24-hour operation

• 24-hour operation

• 24-hour operation

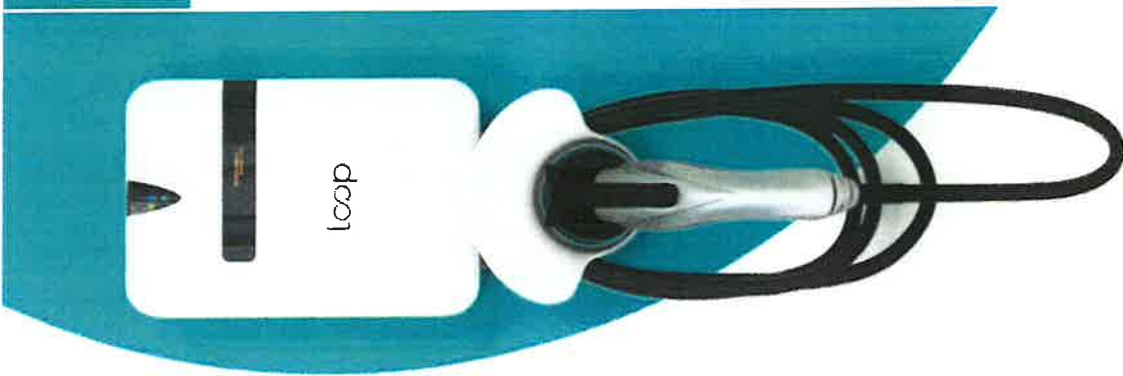
• 24-hour operation

• 24-hour operation

• 24-hour operation

• 24-hour operation

• 24-hour operation



EV-FLEX™ Specifications

Electrical

- 240V AC, 30A, 100% duty cycle
- 100% efficiency
- 100% efficiency
- 100% efficiency
- 100% efficiency

Connectivity

- 240V AC, 30A, 100% duty cycle
- 100% efficiency
- 100% efficiency
- 100% efficiency
- 100% efficiency

Network Connectivity

- 240V AC, 30A, 100% duty cycle
- 100% efficiency
- 100% efficiency
- 100% efficiency
- 100% efficiency

Features

- 240V AC, 30A, 100% duty cycle
- 100% efficiency
- 100% efficiency
- 100% efficiency
- 100% efficiency

Core Specifications

- 240V AC, 30A, 100% duty cycle
- 100% efficiency
- 100% efficiency
- 100% efficiency
- 100% efficiency

Certifications & Standards

- 240V AC, 30A, 100% duty cycle
- 100% efficiency
- 100% efficiency
- 100% efficiency
- 100% efficiency

Loop Network™ App

- 240V AC, 30A, 100% duty cycle
- 100% efficiency
- 100% efficiency
- 100% efficiency
- 100% efficiency

Warranty

- 240V AC, 30A, 100% duty cycle
- 100% efficiency
- 100% efficiency
- 100% efficiency
- 100% efficiency

Ordering

- 240V AC, 30A, 100% duty cycle
- 100% efficiency
- 100% efficiency
- 100% efficiency
- 100% efficiency

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LUX SOLUTIONS LLC
2225 Tenthon Lane
Philly
Woodstock, GA 30189
800-366-2278
www.luxsolutions.com

EV Charging Station Additions – EV Flex Specifications

Rouses 16 - Thibodaux
204 N Canal Blvd, Thibodaux, LA 70301

Drawn
Checked
Date
Scale
As Noted

JM
KR
05-15-24
As Noted

SHEET NO. 7
OF 7 SHEETS