



# CDR Facility Design Intent Document – Lighting

## Program Overview



### GE Lighting

FCA has selected GE Lighting LED fixtures, supplied by Southern Lighting Source, for its dealerships.

GE Lighting was chosen for its exceptional performance, reliability, value, and trustworthiness of the GE brand. Only GE can provide a complete lighting package for both the interior and exterior of an FCA facility.

Southern Lighting Source (SLS) is a full service lighting agency with expertise in intelligent automotive lighting design and application. SLS services include:

- In-house automotive design team with significant experience on FCA projects and lighting specs to assist the dealer team with fixture selections, lighting layouts (including photometrics) for both interior and exterior, and lighting controls **at no cost**.
- **Special discounted FCA pricing on GE fixtures only available through Southern Lighting Source.**
- Dedicated Pre-Construction Project Manager and Logistics Project Manager to work with the Electrical Contractor to deliver the accurate and complete lighting package in sync with the construction schedule.

**Contact: Holly Freet, FCA Program Manager**  
**Phone: (770) 880-4393**  
**email: [hfreet@southernlightingsource.com](mailto:hfreet@southernlightingsource.com)**



*Architects and Electrical Engineers – Please put this note on your lighting plan drawings*



# CDR Facility Design Intent Document – Lighting Design Process

## FCA Lighting Program

Contact Holly Freet at Southern Lighting Source to begin the lighting design process. Detailed steps are below:

Contact: Holly Freet, FCA Program Manager  
(770) 880-4393  
[hfreet@southernlightingsource.com](mailto:hfreet@southernlightingsource.com)



## Next Steps for the Dealer’s Architect:

- Send SLS the reflected ceiling plan, floor plan and site plan in DWG file format.
- SLS will develop a project specific lighting design for the site and interior of each project.
- The final lighting plan delivered will be designed by SLS to meet the prototypical design consisting of FCA compliant lighting equipment specified by SLS and approved by FCA for the facility reimage program.
- There is no fee to the Dealer or Dealers consultants for SLS services

## Next Steps for the Dealer’s Electrical Engineer:

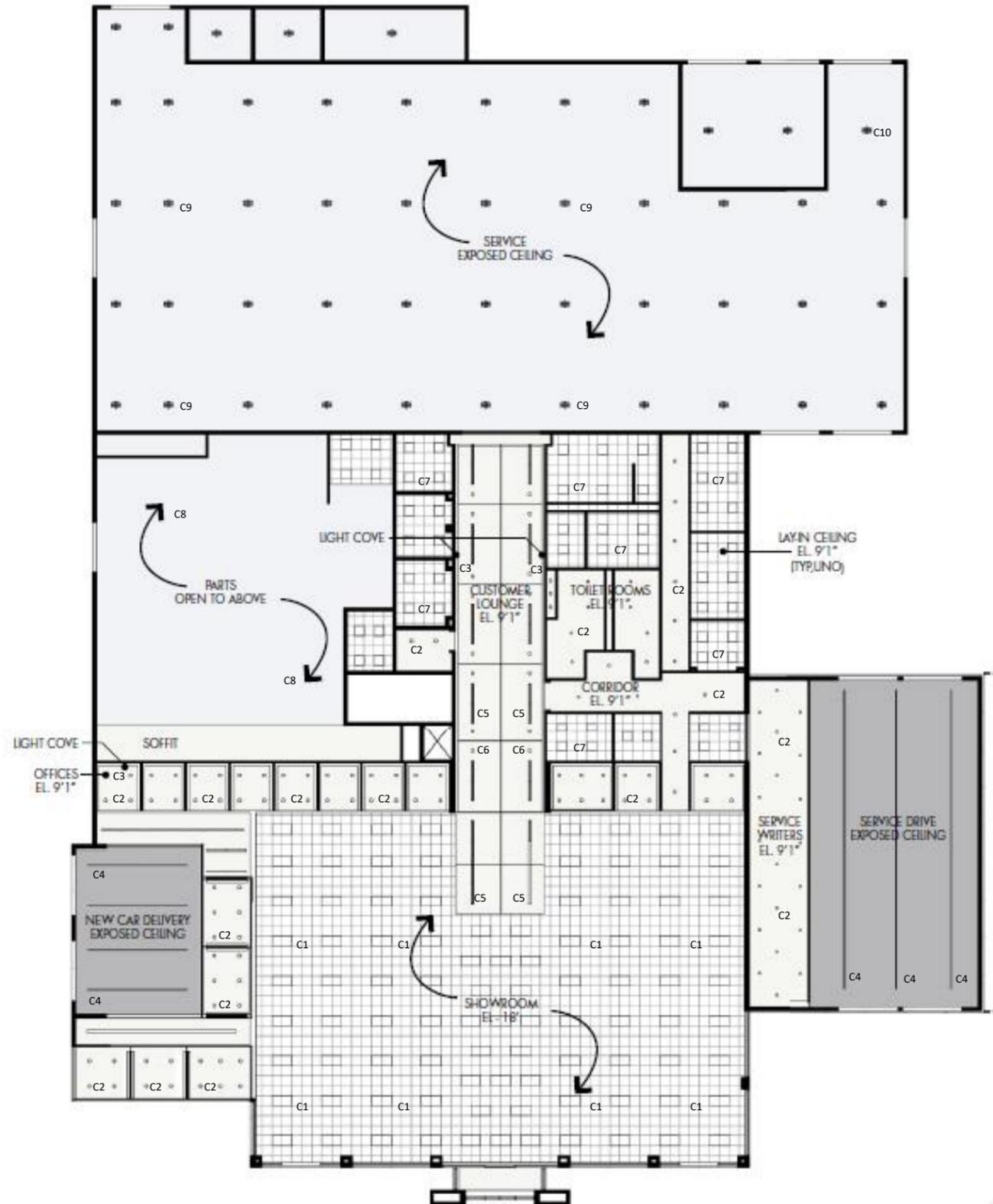
- The Electrical Engineer is responsible for the circuiting the SLS lighting plan, developing the emergency lighting (path of egress), circuiting, energy calculations, code compliance, and lighting controls as required.
- The Engineer will receive from FCA a finalized lighting plan consisting of project specific fixture specifications engineered for the design
- Design substitutions or product alternates are not approved by FCA for the program.





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## Interior Lighting



Tag	Type	Location	Mfr.	Model	Image
C1	Recessed LED Architectural 2x4 Troffer	Showroom	GE Lighting	<a href="#">LVT-24-A-0-60-MM-8-40-VQ-LT-WHTE</a>	
C2	Recessed LED Downlight - 6" Round	Sales Offices, Service Writers, Toilet Rooms, Corridors	GE Lighting	<a href="#">LRX-R6-10-8-40-MD / FRAME6R / BH3</a>	
C3	LED Cove Luminaire	Sales Offices, Main Street	GE Lighting	<a href="#">LLW-SO-B-0-04-CV-8-40-V-Q-TM-WHTE</a>	
C4	Linear LED Suspended	Service Drive, New Car Delivery	GE Lighting	<a href="#">ALC5-0-1-H-48-D-8-C</a>	
C5	Linear LED Recessed	Main Street	GE Lighting	<a href="#">LAL-48-B-0-07-MM-T40-VQ</a>	
C6	Recessed LED Downlight - 4" Round	Main Street	GE Lighting	<a href="#">LDX-4R-A-1-10-8-40-VQ / RDI4R-W-SD-WT / BH3</a>	
C7	Recessed LED 2x2 Troffer	Employee Facilities	GE Lighting	<a href="#">LBT-22-A-0-33-MM-840-VQ-LT-WHTE</a>	
C8	LED Strip Luminaire	Parts Storage	GE Lighting	<a href="#">ALV1-0-1-T-47-D-8-S-N-V</a>	
C9	Suspended LED High Bay	Service Shop	GE Lighting	<a href="#">ABV3-0-18-T-47-1D</a>	
C10	LED Vapor Tight	Wash Bay	GE Lighting	<a href="#">ALR1-0-1-H-47-1-8-S</a>	

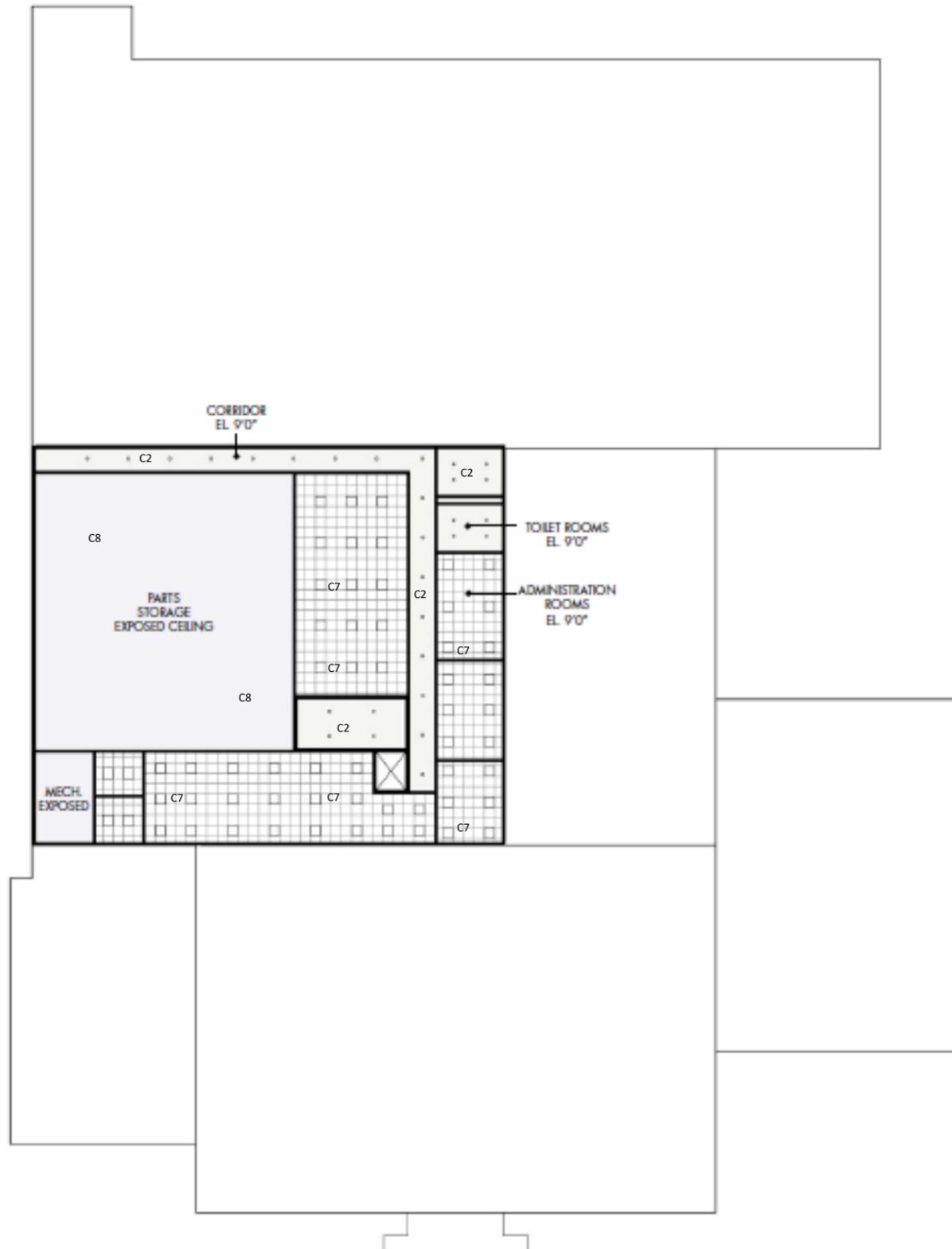
### General Lighting Notes

1. GE LED Lighting is the specified source for light output for all building areas.
2. 4000K with a minimum CRI index of 80 is required for all interior fixtures.
3. Interior Finish Color for lighting fixtures: White
4. The showroom shall have a foot candle level of 50 to 70 for the areas of vehicle display all other customer and office areas shall have a foot candle level of 30 to 50.
5. The service department shall have a foot candle level of 60 to 70.



# CDR Facility Design Intent Document – Lighting

## Interior Lighting – Cont.



Tag	Type	Location	Mfr.	Model	Image
C1	Recessed LED Architectural 2x4 Troffer	Showroom	GE Lighting	<a href="#">LVT-24-A-0-60-MM-8-40-VQ-LT-WHTE</a>	
C2	Recessed LED Downlight - 6" Round	Sales Offices, Service Writers, Toilet Rooms, Corridors	GE Lighting	<a href="#">LRX-R6-10-8-40-MD / FRAME6R / BH3</a>	
C3	LED Cove Luminaire	Sales Offices, Main Street	GE Lighting	<a href="#">LLW-SO-B-0-04-CV-8-40-V-Q-TM-WHTE</a>	
C4	Linear LED Suspended	Service Drive, New Car Delivery	GE Lighting	<a href="#">ALC5-0-1-H-48-D-8-C</a>	
C5	Linear LED Recessed	Main Street	GE Lighting	<a href="#">LAL-48-B-0-07-MM-T40-VQ</a>	
C6	Recessed LED Downlight - 4" Round	Main Street	GE Lighting	<a href="#">LDX-4R-A-1-10-8-40-VQ / RDI4R-W-SD-WT / BH3</a>	
C7	Recessed LED 2x2 Troffer	Employee Facilities	GE Lighting	<a href="#">LBT-22-A-0-33-MM-840-VQ-LT-WHTE</a>	
C8	LED Strip Luminaire	Parts Storage	GE Lighting	<a href="#">ALV1-0-1-T-47-D-8-S-N-V</a>	
C9	Suspended LED High Bay	Service Shop	GE Lighting	<a href="#">ABV3-0-18-T-47-1D</a>	
C10	LED Vapor Tight	Wash Bay	GE Lighting	<a href="#">ALR1-0-1-H-47-1-8-S</a>	

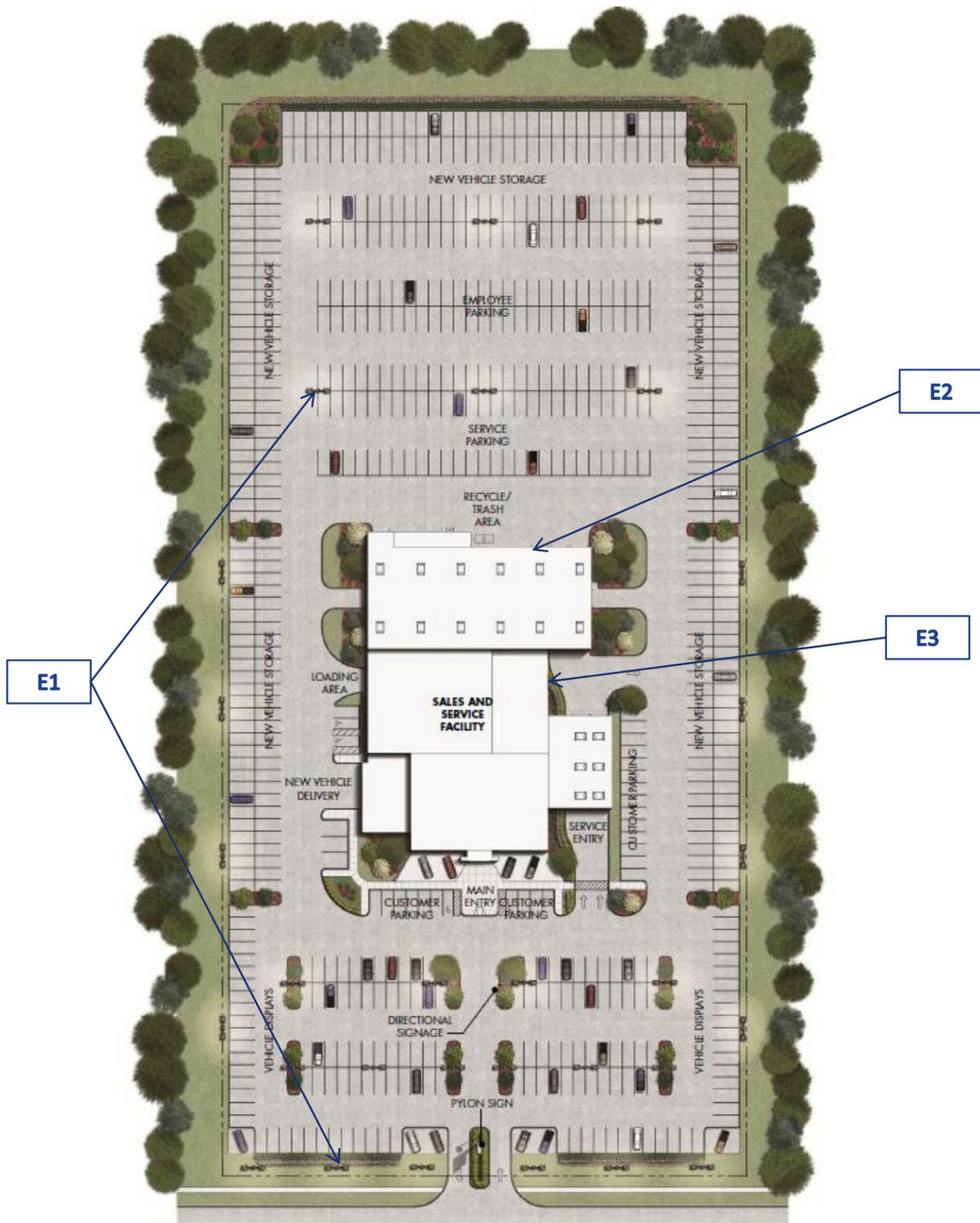
### General Lighting Notes

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5. The service department shall have a foot candle level of 60 to 70.



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## Exterior Lighting



Tag	Type	Location	Mfr.	Model	Image
E1	Exterior Pole Mount – High Output	Parking Lot – Front Row and Display Areas	GE Lighting	<a href="#">EASC-X-XX-X-X-50-X-X-DKBZ</a>	
	Exterior Pole Mount – Standard Output	Parking Lot – General Sales and Inventory	GE Lighting	<a href="#">EALS-02-X-XX-XX-7-50</a>	
E2	Exterior Wall Mount – High Performance	Exterior Wall Mount Site Lighting	GE Lighting	<a href="#">EWNB-0-XX-7-50</a>	
E3	Exterior Wall Mount - Security	Exterior Man Doors	GE Lighting	<a href="#">EWS3-0-XX-E1-50</a>	

### General Exterior Lighting Notes

1. GE LED Lighting is the specified source for light output for all building areas.
2. 5000K is required for all exterior fixtures.
3. Exterior Finish Color for lighting fixtures and poles: Black
4. Exterior light levels at feature displays and front row display parking shall have a foot candle level of 30+.
5. Exterior light levels for general lot illumination of vehicles for sale shall have a foot candle level of 15 to 20.
6. Exterior light levels for circulation, service parking, employee parking and inventory parking shall have a foot candle level of 5 to 10.