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PROJECT:  
**5TH & STERLING AVENUE**

FIFTH STREET  
SAN BERNARDINO, CA

TITLE:  
SITE LIGHTING PLAN

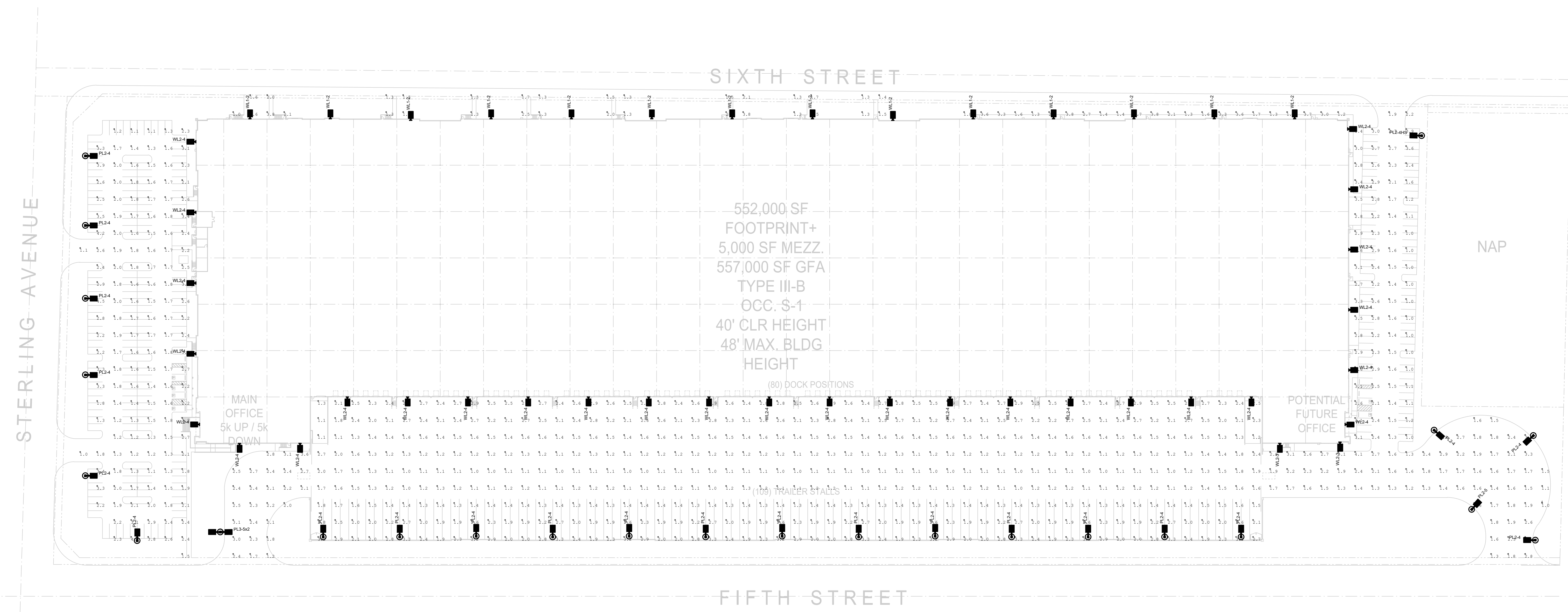
DRAWN BY: GT/BL  
DATE: 5/26/23  
SCALE: 1"=60'-0"

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JOB NO:  
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SHEET:

**ESL1**



**SITE LIGHTING PLAN**

(SCALE: 1"=60'-0")

**FIXTURE LEGEND**

SYMBOL	DESCRIPTION	BUG RATING	COMPLIES WITH CAL GREEN 5.106.8
PL2-4	TYPE 4 (RSX2-LED-P2-50K-R4) LED CUT-OFF ON 25' SQUARE STEEL POLE ON 2'-4" HIGH CONC BASE IN AUTO PARKING & 4' HIGH CONC BASE IN TRUCK YARD AND NO UPTILT*	B2-UO-G3	YES
PL2-4HS	TYPE 4 (RSX2-LED-P2-50K-R4-HS) LED CUT-OFF W/WHOUSE SIDE SHIELD ON 25' SQUARE STEEL POLE ON 2'-4" HIGH CONC BASE IN AUTO PARKING & 4' HIGH CONC BASE IN TRUCK YARD AND NO UPTILT*	B1-UO-G2	YES
PL3-6	TYPE 5 (RSX2-LED-P2-50K-R5) LED CUT-OFF ON 25' SQUARE STEEL POLE ON 2'-4" HIGH CONC BASE IN AUTO PARKING & 4' HIGH CONC BASE IN TRUCK YARD AND NO UPTILT*	B5-UO-G3	YES
PL3-6k2	TWIN TYPE 5 (RSX2-LED-P3-50K-R5) LED CUT-OFF ON 25' SQUARE STEEL POLE ON 2'-4" HIGH CONC BASE IN AUTO PARKING & 4' HIGH CONC BASE IN TRUCK YARD AND NO UPTILT*	B5-UO-G3	YES
WL-2	TYPE 2 (RSX2-LED-P1-50K-R2) LED CUT-OFF AT 34' AFF	B2-UO-G1	YES
WL-3	TYPE 3 (RSX2-LED-P2-50K-R3) LED CUT-OFF AT 34' AFF	B3-UO-G3	YES
WL-4	TYPE 4 (RSX2-LED-P2-50K-R4) LED CUT-OFF AT 34' AFF	B2-UO-G3	YES

\* - SEE ARCHITECTURAL PLANS FOR ACTUAL POLE BASE HEIGHTS

**NONRESIDENTIAL MANDATORY MEASURES**

**TABLE 5.106.8 (N) MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS<sup>1,2</sup>**

ALLOWABLE RATING	LIGHTING ZONE LZ0	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4
<b>Maximum Allowable Backlight Rating (B)</b>					
Luminaire greater than 2' mounting height (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit
Luminaire back hemisphere is 1 - 2 MH from property line	N/A	B2	B3	B4	B4
Luminaire back hemisphere is 0.5 - 1 MH from property line	N/A	B1	B2	B3	B3
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	B0	B0	B1	B2
<b>Maximum Allowable Uplight Rating (U)</b>					
For area lighting <sup>3</sup>	N/A	U0	U0	U0	U0
For all other outdoor lighting, including decorative luminaires	N/A	U1	U2	U3	U4
<b>Maximum Allowable Glare Rating (G)</b>					
Luminaire greater than 2 MH from property line	N/A	G1	G2	G3	G4
Luminaire front hemisphere is 1 - 2 MH from property line	N/A	G0	G1	G1	G2
Luminaire front hemisphere is 0.5 - 1 MH from property line	N/A	G0	G0	G1	G1
Luminaire front hemisphere is less than 0.5 MH from property line	N/A	G0	G0	G0	G1

1. ISNA Lighting Zones 0 are not applicable; refer to Lighting Zones as defined in the California Energy Code and Chapter 10 of the California Administrative Code.  
2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purposes of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section.  
3. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaires located in these areas shall meet U-value limits for "all other outdoor lighting."

**CAL GREEN BUG TABLE**

**SITE LIGHTING STATISTICS**

CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcType 1	fc	1.91	4.5	1.0	1.91	4.50

