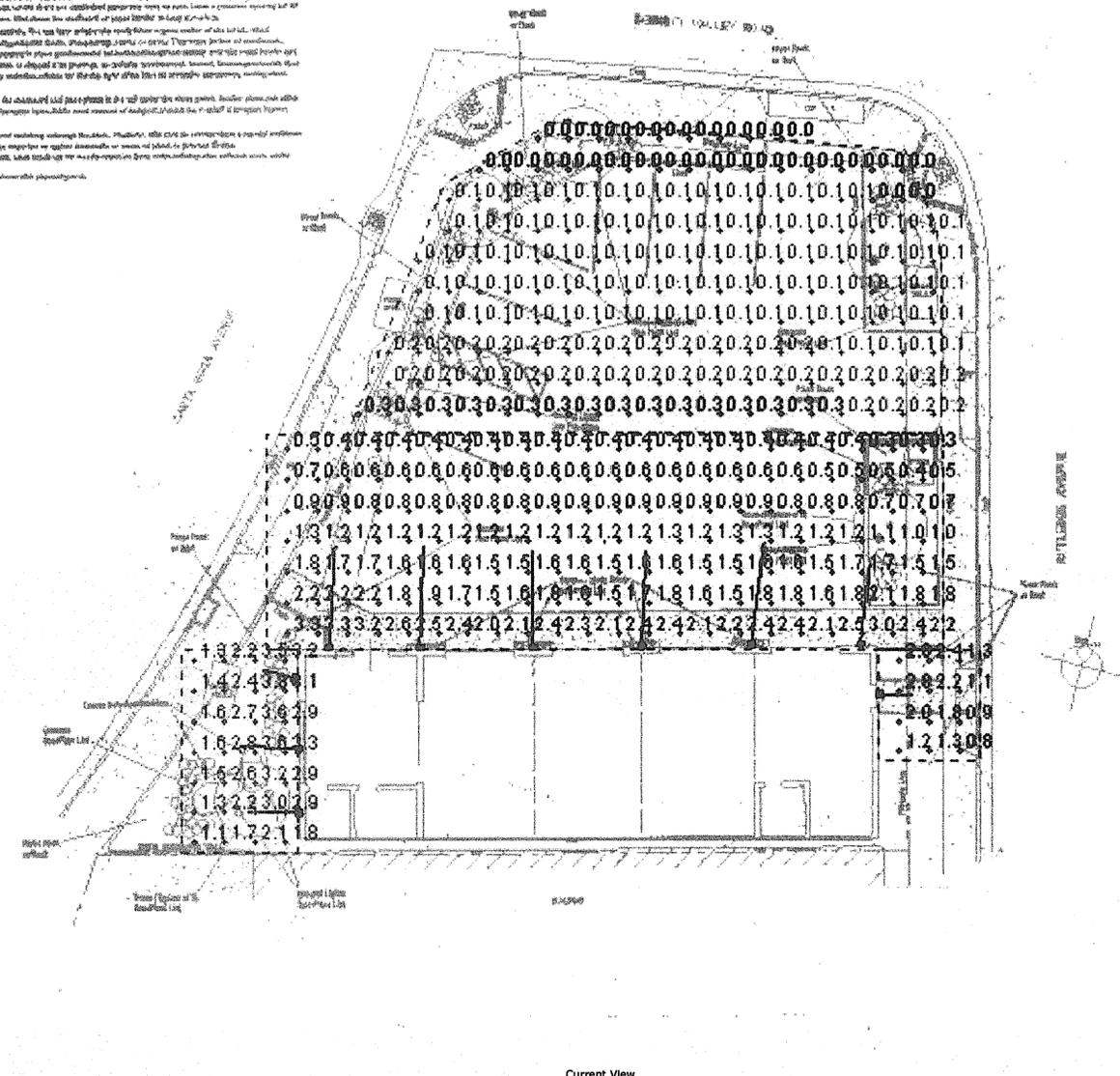


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sixteen5hundred

16500, INC
 2100 POWELL ST
 SUITE 800
 EMERYVILLE, CA 94608-1826
 Phone: 510-208-5005 EXT:
 Rep Contact: Allaha Fitzpatrick
 Print Date: 10/12/2016

Job Name: Nisstech Automotive Santa Rosa
 Project Number: 16-48650
 Schedule Label: Exterior Lighting
 Job Location: Santa Rosa, California
 Engineer: Design Build 16500

Type	Qty	Manufacturer / Brand	Catalog #	Mounting Method	# of Lamps	Lamp Type	Lamp Description	Voltage	Input Watts	Line Comments
W1	9	LITHONIA LIGHTING	DSXW2 LED 20C 350 30K T2M MVOLT							
S1	7	SLV LIGHTING NA	230160 DASAR Module LED							

STATE OF CALIFORNIA
 OUTDOOR LIGHTING CONTROLS
 CERTIFICATE OF COMPLIANCE
 Project Name: NISSTECH AUTOMOTIVE
 Date Issued: 5/17/2017

- The NRCC-110-02-E shall be used to document all mandatory outdoor lighting controls that are applicable to the project.
- A. Mandatory Outdoor Lighting Control Declaration Statements**
- Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §110.9(a).
 - Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with §130.4(b).
 - All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.1.
 - Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b)(5).
 - All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
 - All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Backlight, Uplight, and Glare (collectively referred to as "BUG") in accordance with Section 130.2(b).
 - All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control in accordance with Section 130.2(c)(1).
 - All installed outdoor lighting shall be circuited and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)(2).
 - All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)(3).
 - For Outdoor Sales Frontage, Outdoor Sales Lots, and Outdoor Sales Canopies lighting, an automatic lighting control in accordance with Section 130.2(c)(4).
 - For Building Facade, Ornamental Landscapes and Outdoor Dining lighting, an automatic lighting control in accordance with Section 130.2(c)(5).
 - Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4(a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NAT.8.

Standard Lighting (max) = 0.80 w/sf

INDOOR LIGHTING SUMMARY

Proposed Lighting	User Input LPD		
(A) Reception	(5) Lithonia (PBLT2 33L ADSM LP935)	at 38.35 watts =	191.75 w
(G) Restrooms	(4) Terson (Votary 51232 LED)	at 23.20 watts =	92.80 w
(F) Office	(2) Lithonia (LDSWQ 40/30 LSSAR LD)	at 35.06 watts =	70.12 w
Total			354.67 w
Proposed LPD (Area LPD) =	(354.67 w) / (640 sf) =		0.55 w/sf

AUTO BAY LIGHTING

Proposed Lighting	User Input LPD		
(E) Auto Bays	(8) Lithonia (8H 1800LM SD080 ND 0210 40K 70CRJ)	at 146.00 watts =	1172.00 w
Proposed LPD (Area LPD) =	(1172.00 w) / (2432 sf) =		0.72 w/sf

OUTDOOR LIGHTING SUMMARY

Proposed Lighting	User Input LPD		
(W1) Outdoor Wall	(9) Lithonia (DSXW2 LED 20C 350 30K T2M MVOLT)	at 25.00 watts =	225.00 w
(S1) Outdoor Ground	(7) SLV (230160 DASAR Module LED)	at 20.00 watts =	140.00 w
Total			365.00 w
Proposed LPD (Area LPD) =	(365.00 w) / (3072 sf) =		0.28 w/sf



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EXTERIOR LIGHTING **E4**