

Lighting, Motor and Electrical Requirements List, pg 1 of 10

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 - Administered by 2023 NEEA. All rights reserved. The following information is necessary to check a permit application for compliance with the lighting systems, motors and electrical system requirements in the Washington State Energy Code, Commercial Provisions. For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com

Table with columns: Applies, Code Section, Component, Compliance Information Required in Permit Documentation, Location in Documents, Building Department Notes. Includes sections for LIGHTING SCOPE, LIGHTING CONTROLS, and various code sections like C103.1, C405.2, C405.2.1, etc.

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Table with columns: NA, Code Section, Component, Compliance Information Required in Permit Documentation, Location in Documents, Building Department Notes. Includes sections for various code sections like C405.2.1.2, C405.2.1.3, C405.2.1.4, etc.

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Table with columns: NA, Code Section, Component, Compliance Information Required in Permit Documentation, Location in Documents, Building Department Notes. Includes sections for various code sections like C405.2.4, C405.2.4.1.1, C405.2.4.1, etc.

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Table with columns: YES, Code Section, Component, Compliance Information Required in Permit Documentation, Location in Documents, Building Department Notes. Includes sections for various code sections like C405.2.5, C405.4.1, C405.4.2, etc.

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Table with columns: NA, Code Section, Component, Compliance Information Required in Permit Documentation, Location in Documents, Building Department Notes. Includes sections for INTERIOR LIGHTING POWER & EFFICACY and INTERIOR LIGHTING POWER CALCULATION - INDICATE COMPLIANCE PATH TAKEN.

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Table with columns: YES, Code Section, Component, Compliance Information Required in Permit Documentation, Location in Documents, Building Department Notes. Includes sections for ADDITIONAL EFFICIENCY CREDITS - REDUCED INTERIOR LIGHTING POWER DENSITY and EXTERIOR LIGHTING POWER & EFFICACY.

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Table with columns: NA, Code Section, Component, Compliance Information Required in Permit Documentation, Location in Documents, Building Department Notes. Includes sections for LIGHTING ALTERATIONS and EXTERIOR LIGHTING POWER CALCULATION.

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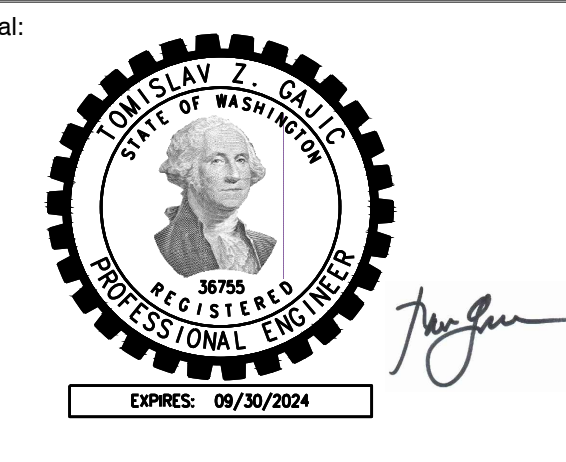
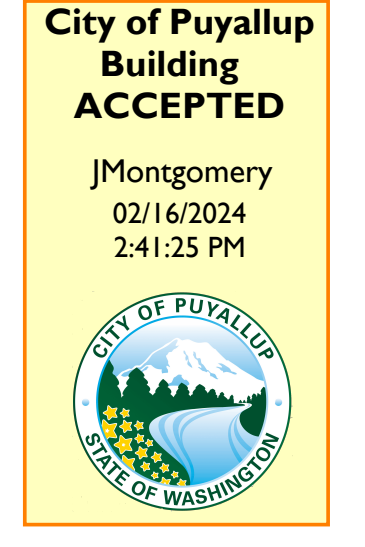
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Table with columns: NA, Code Section, Component, Compliance Information Required in Permit Documentation, Location in Documents, Building Department Notes. Includes sections for RECEPTACLES and MOTORS, TRANSFORMERS, ELECTRIC METERS, INTERIOR TRANSPORTATION.



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A Project for:

JD SPORTS #1315
SOUTH HILL MALL
3500 SOUTH MERIDIAN, SPACE #530
PUYALLUP, WA 98873

PRCT102040063

City of Puyallup Development & Permitting Services ISSUED PERMIT. Includes Building, Planning, Engineering, Public Works, Fire, Traffic stamps.

Revisions table with columns: Revisions, Date. Shows PROGRESS SET 12.18.2023 and 1ST CITY SUBMITTAL 01.10.2024.

Table with columns: No., Description, Date. Shows Project No. 23606.20, Drawn By: ST, Reviewed By: JM, Scale: NONE, Date: 10.15.2023, Filename, Sheet Title.

FULL SIZED LEDGIBLE REPORT ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS

ELECTRICAL COMPLIANCE FORMS

Sheet #: E-041

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YES	C405.6	Electrical transformers	Include electrical transformer schedule on electrical plans; indicate transformer type, size, efficiency, or exception taken	E-201, E401
YES	C405.11	Feeders and branch circuits	Provide documentation that demonstrates maximum voltage drop across feeders and branch circuits does not exceed 5%	E-401
NA	C405.7	Dwelling unit electrical energy consumption	Indicate on electrical plans that each dwelling unit in Group R-2 has a separate electrical energy meter	
NA	C405.8	Electric motor efficiency	Include all motors, including fractional hp motors, in electric motor schedule on electrical plans; indicate motor type, horsepower, rpm, rated efficiency, or exception applied	
NA	C405.9.1	Elevator cabs	For luminaires in each elevator cab, provide calculations that demonstrate average efficacy is not less than 35 lumens per watt	
NA			For elevators that do not have an integral air conditioning system, indicate rated watts per cfm for elevator cab ventilation fans do not exceed 0.33 watts per cfm	
NA			Indicate automatic controls that de-energize lighting and ventilation fans when elevator is stopped and unoccupied for a period of 15 minutes or more	
NA	C405.9.2	Escalators and moving walks	Indicate escalators comply with ASME A17.1/CSA B44; automatic controls are configured to reduce operational speed to the minimum permitted when not in use	
NA	C405.9.3	Regenerative drive	Indicate all one-way down or reversible escalators are provided with a variable frequency regenerative drive	
DOCUMENTATION AND SYSTEM REQUIREMENTS TO SUPPORT COMMISSIONING (CX)				
NA	C408.4	Scope of electrical power and lighting systems commissioning	Indicate that all electrical systems (receptacles, transformers, motors, vertical and horizontal transportation) for which the WSEC requires control functions and / or configuration to perform specific functions are required to be commissioned	
NA			Where total building lighting load is > 20 kW, or where total lighting load of luminaires requiring daylight sensing and / or occupancy control > 10 kW, indicate that all automatic lighting control systems are required to be commissioned; or provide building lighting power calculation demonstrating eligibility for exception	
NA	C405.13 C408.1.1 C408.1.2 C408.1.4.2 C103.6.3	Commissioning requirements in construction documents	Indicate CX requirements in plans and specifications for all applicable electrical and lighting control systems per C408	

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NA	C408.1.2 C408.1.2.1 C408.1.4 C103.6.3	Commissioning requirements in construction documents	Include general summary of Cx plan per C408.1.2 including: 1) Narrative description of activities; 2) Responsibilities of the Cx team; 3) Schedule of activities including verification of project close out documentation per C103.6.4) Conflict of interest plan (if required)	
NA	C408.1.2 C408.1.4 C103.6.3	Commissioning requirements in construction documents	Include in general summary that a Cx project report and Compliance Checklist (Figure C408.1.4.1) shall be completed by the Certified Cx Professional and provided to the owner prior to the final electrical inspection	
NA	C408.4.1	Functional performance testing criteria	Identify in plans and specifications the intended operation of all equipment and controls during all modes of operation, including interfacing between new and existing-to-remain systems	
PROJECT CLOSE OUT DOCUMENTATION				
NA	C103.6.3	Project close out documentation requirements	Indicate in plans that project close out documentation is required including WSEC lighting compliance reports that document all interior and exterior lighting areas and / or surface types, lighting power allowances and installed densities	

If "no" is selected for any question, provide explanation.

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LIGHTING COMPLIANCE SUMMARY

2018 WSEC Compliance Forms for Commercial Buildings Including Group R2, R3 & R4 over 3 stories and all R1 - Administered by ©2023 NECA. All rights reserved.

Project Title: JD Sports - South Hill Mall - 2018 WSEC For Building Department Use: **Date: Jan 10, 2024**

Project & Applicant Information: Project Address: 3500 South Meridian Puyallup, WA 98373; Applicant Name: Tommaso Gugli, PE; Applicant Phone: 408-522-5255; Applicant Email: tommaso@jgarcia.com

General Occupancy: All Commercial; General Building Use Type: Retail, Strip Mall; Building Cond. Floor Area: 450,000; Project Cond. Floor Area: 5,477

Lighting Project Description: Major overhaul of new LED lighting fixture and control per tenant improvement.

Lighting Compliance Scope and Method: Project Type: Alteration; Interior / Exterior (interior includes both interior & parking): Interior Lighting; Compliance Method: Space by space; LPA Calculation Adjustment: None; Compliance Verification: COMPLEES

Project Title: JD Sports - South Hill Mall - 2018 WSEC Date: Jan 10, 2024

Lighting Power Calculation	ALTERATION - INTERIOR LIGHTING (50% or more replaced)	Compliance Verification	COMPLEES
Compliance Method	Space by space	LPA Calculation Adjustment	none

Interior Lighting Power Allowance - Space by Space					
General Space Type	Specific Space Type	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 1.1)	Compliance Status
Corridors	General	312	0.41	128	
Locker room	General	85	0.52	44	
Retail	General sales	3,606	1.05	3,786	3,504
Warehouse/storage area	Smaller hand-carried items	1,474	0.69	1,017	
Totals			Proposed Total LPD	4,944	COMPLEES

Proposed Lighting Power Density						
Fixture Type	Fixture ID	Quantity of Fixtures (QF)	Watts or Wattage Limit per Fixture (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (QF x WpF) or (LF x WpLF)
Individual Fixtures						
Direct / indirect pendant	LP1	8	24			192
Direct / indirect pendant	B2/B2E	30	31			930
Troffer	F2	2	30			60
Suspended	LP4	26	45			1,170
Linear Fixtures						
Line voltage track (120V)	T2	108	24			2,592
					Proposed Total LPD	4,944

Project Title: JD Sports - South Hill Mall - 2018 WSEC Date: Jan 10, 2024

https://www.waenergycodes.com/print_project_summary_form.php?k=aWQIMJE3MDAnZrZpPTE4JmN0aTO=&print=1

1/10/24, 11:17 AM https://www.waenergycodes.com/print_project_summary_form.php?k=aWQIMJE3MDAnZrZpPTE4JmN0aTO=&print=1

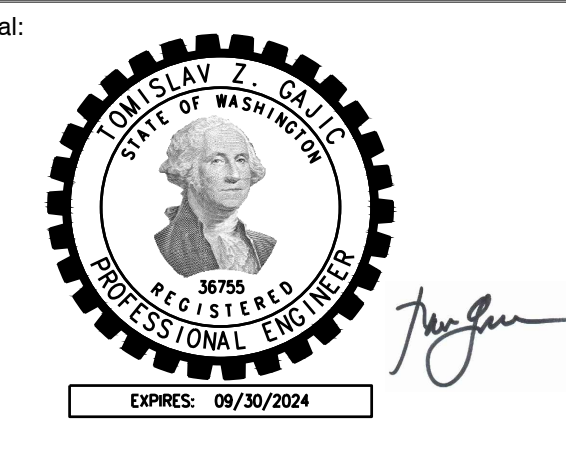
Proposed Fixtures Details

Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type	New or Existing-to-Remain
Direct / indirect pendant	LP1	Sales Area, E-101	LED	New
Do these fixtures require specific application lighting controls? Are these fixtures located within a daylight zone? No				
Direct / indirect pendant	B2/B2E	Stock Room, E-101	LED	New
Do these fixtures require specific application lighting controls? Are these fixtures located within a daylight zone? No				
Troffer	F2	Fitting Room Area	LED	New
Do these fixtures require specific application lighting controls? Are these fixtures located within a daylight zone? No				
Suspended	LP4	Sales Area, E-101	LED	New
Do these fixtures require specific application lighting controls? Are these fixtures located within a daylight zone? No				
Linear Fixtures				
Line voltage track (120V)	T2	Sales Area, E-101	LED	New
How is linear fixture quantity defined? Quantity of fixtures with current limiting device Length of track (LF):				
Do these fixtures require specific application lighting controls? Are these fixtures located within a daylight zone? No				

https://www.waenergycodes.com/print_project_summary_form.php?k=aWQIMJE3MDAnZrZpPTE4JmN0aTO=&print=1



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A Project for:

JD SPORTS #1315
SOUTH HILL MALL
3500 SOUTH MERIDIAN, SPACE #530
PUYALLUP, WA 98373

Client: **City of JD SPORTS**

Development & Permitting Services ISSUED PERMIT

Building Planning
Engineering Public Works
Fire Traffic

Revisions:

PROGRESS SET	12.18.2023
1ST CITY SUBMITTAL	01.10.2024

No.	Description	Date
Project No.:	23606.20	
Drawn By:	ST	
Reviewed By:	JM	
Scale:	NONE	
Date:	10.15.2023	
Filename:		
Sheet Title:		

ELECTRICAL COMPLIANCE FORMS

Sheet #: E-042