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

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Project: Value Pet Clinic Tenant Improvement - 2018 WSEC 4621 S Meridian Suite A-915 Puyallup, WA 98373



Date: 2023-07-13

| Applies  | Code Section                                       | Component   | Compliance Information Required In Permit Documentation   | Location in<br>Documents | Building Department<br>Notes |
|----------|--|---|---|--------------------------|------------------------------|
| LIGHTING | SCOPE  |   |   | 1                        |                              |
|          | C103.1   | Construction<br>documents - General   | For a shell & core or tenant space (first build-<br>out) project, indicate if there is no lighting<br>scope included in the project.  |                          |                              |
| YES      | C103.1   | Construction<br>documents - General   | For an alteration project, indicate if there is<br>no lighting scope included in the project.   |                          |                              |
| LIGHTING | CONTROLS   |   |   |                          |                              |
| YES      | C405.2   | Lighting controls, general  | For all lighting fixtures, indicate lighting<br>control method on plans for spaces and<br>lighting zone(s) served, or exception taken   |                          |                              |
|          | C405.2,<br>Option 2                                | Luminaire level<br>lighting controls<br>(LLLC)  | Indicate on plans all fixtures provided with<br>LLLC in lieu of C405.2 lighting controls;<br>provide description of control capabilities and<br>performance parameters                                    |                          |                              |
|          | C405.2.5,<br>Item 3<br>C405.2.1.1<br>C405.2.3.1    | Lighting in dwelling<br>units (dormitory,<br>hotel and all other<br>than multifamily) | Indicate method of automatic control of all<br>installed luminaires in dwelling units in<br>buildings other than multifamily (occupancy<br>or light reduction controls)                                   |                          |                              |
|          | C405.2.5,<br>Item 2                                | Lighting in sleeping<br>units   | Indicate method of automatic off control of<br>all installed luminaires in sleeping units<br>(vacancy or key card control); also refer to<br>Receptacles  |                          |                              |
| YES      | C405.2.3<br>C405.2.3.1<br>C405.2.5                 | Manual controls   | Indicate on plans the method of manual<br>lighting control, location of manual control<br>device and the area or specific application it<br>serves  |                          |                              |
| NA       | C405.2.3.1<br>C405.2.1.1<br>C405.2.4               | Manual interior light reduction controls  | Indicate on plans which method of manual 50% lighting load reduction is provided, or indicate applicable exception  |                          |                              |
| YES      | C405.2.1<br>C405.2.2.1<br>C405.2.1,<br>Exception 3 | Method of automatic<br>shut-off control   | Indicate on plans the method of automatic<br>shut-off control during unoccupied periods<br>(occupancy sensor, time switch or digital<br>timer switch) for all lighting zones                              |                          |                              |
| YES      | C405.2.1   | Occupant sensor<br>controls   | Indicate on plans all luminaires that are<br>controlled by occupant sensor controls;<br>indicate controls are configured to turn<br>luminaires 100% off when the space is<br>unoccupied                   |                          |                              |
| YES      | C405.2.1<br>C405.2.1.1                             | Occupant sensor<br>controls   | Indicate if occupant sensor controls are<br>configured to be manual on or automatic on to<br>not more than 50% power; indicate spaces<br>eligible for exception that allows automatic on<br>to 100% power |                          |                              |

FULL SIZED LEDGIBLE PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS PRCTI20231087

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| NA  | C405.2.1.2               | Occupant sensor<br>controls - warehouses<br>spaces              | Indicate each aisleway and corridor within a warehouse space are designated as separate zones that are independently controlled   | City of Peyallup<br>Development Permiting Services<br>ISSUED PERMIT<br>Building Planning<br>Engineering Public Works<br>Fire Traffic |
|-----|--------------------------|---|---|--|
| NA  | -                        |   | Indicate occupant sensors are configured to<br>automatically reduce lighting power by 50%<br>when the zone is unoccupied and 100% off<br>after the zone is unoccupied for over 20<br>minutes; indicate controls are configured to<br>automatically restore lighting to full power<br>when the zone or space is occupied                   |  |
| NA  | C405.2.1.3               | Occupant sensor<br>controls - open plan<br>office areas         | For open plan office areas larger than 300 sf,<br>indicate general lighting is provided with<br>vacancy controls that reduce lighting power by<br>not less than 80% and are configured to turn<br>luminaires 100% off when the space is<br>unoccupied; indicate that no individual control<br>zone area exceeds 600 sf                    |  |
|     | C405.2.1.4               | Occupant sensor<br>controls - parking<br>garages                | Indicate parking garage general lighting is<br>provided with vacancy controls that reduce<br>lighting power by not less than 30% and are<br>configured to turn luminaires 100% off when<br>no vehicles or pedestrians are present, unless<br>eligible for an exception; indicate that no<br>individual control zone area exceeds 3,600 sf |  |
| NA  | C405.2.1.5               | Occupant sensor<br>controls - enclosed<br>fire-rated stairwells | Indicate stairway lighting is provided with vacancy controls that reduce lighting power by not less than 50% when the stairway in unoccupied  |  |
| YES | C405.2.2.1               | Automatic time<br>switch controls                               | Indicate spaces on plans where time switch<br>controls turn luminaires 100% off during<br>unoccupied hours  |  |
| NA  |                          |   | Indicate spaces on plans where time switch<br>controls are configured to turn on lighting to<br>full power versus 50% power   |  |
| NA  |                          |   | Indicate locations of override switches on<br>plans and the lighting zone(s) served; indicate<br>that the area(s) served by each override switch<br>does not exceeds 5,000 sf   |  |
| NA  | C405.2.1,<br>Exception 3 | Digital timer switch  | Indicate digital timer switch control includes:<br>manual on/off, time delay, audible and visual<br>indication of impending time-out  |  |
| YES | C405.2.4.2<br>C405.2.4.3 | Daylight zones -<br>Sidelit and toplit                          | Indicate primary and secondary sidelit daylight zone floor areas on plans   |  |
| NA  |                          |   | Indicate toplit daylight zone floor areas on plans  |  |
| NA  |                          |   | For small vertical fenestration assemblies<br>(rough opening less than 10 percent of<br>primary daylight zone floor area) where<br>daylight responsive controls are not required,<br>provide fenestration area to daylight zone<br>floor area calculation(s)  |  |

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| YES | C405.2.4            | Daylight responsive controls                                       | Indicate on plans lighting zone(s) served by<br>daylight responsive controls; indicate that the<br>area served by each control device does not<br>exceeds 2,500 sf  | City of Puyallup<br>Bevefopmet A Permiting Services<br>ISSUED PECMIT<br>Engineering Public Works<br>Fire Traffic |
|-----|---------------------|--|---|--|
| NA  |                     |  | Identify sidelit and toplit daylight zones that<br>are not provided with daylight sensing<br>controls and the exception(s) that apply   |  |
| NA  | C405.2.4.1.1        | Daylight responsive controls                                       | Indicate on plans the lighting load reduction<br>method (continuous dimming, or stepped<br>dimming that provides at least two even steps<br>between 0%-100% of rated power)   |  |
| YES | C405.2.4.1          | Daylight responsive controls                                       | Indicate that daylight sensing controls are<br>configured to completely shut off all<br>controlled lights in the lighting zone  |  |
| NA  | C405.2.5            | Additional controls -<br>Specific application<br>lighting controls | Identify spaces and lighting fixtures on plans<br>that require specific application lighting<br>controls per this section   |  |
| NA  | C405.2.5,<br>Item 1 | Display and accent lighting  | Indicate on plans that manual controls are<br>provided that control display, accent lighting<br>and display case lighting independently from<br>both general area lighting and other lighting<br>applications within the same space |  |
| NA  | -                   |  | Indicate manual and automatic (occupant<br>sensor or time switch) lighting control<br>methods   |  |
|     | C405.2.5,<br>Item 3 | Hotel/motel guest<br>rooms   | Indicate method of automatic control -<br>vacancy or captive key control of all installed<br>luminaires and switched receptacles in guest<br>room   |  |
| NA  | C405.2.5,<br>Item 1 | Supplemental task<br>lighting                                      | Indicate method and location of manual and<br>automatic shut-off control (occupant sensor or<br>time switch) for supplemental task lighting,<br>including under-shelf or under-cabinet<br>lighting                                  |  |
| NA  | C405.2.5,<br>Item 1 | Lighting equipment<br>for sale or<br>demonstration                 | Indicate on plans that lighting equipment for<br>sale or demonstration are controlled<br>independently from both general area lighting<br>and other lighting applications within the<br>same space                                  |  |
| NA  |                     |  | Indicate manual and automatic (occupant<br>sensor or time switch) lighting control<br>methods   |  |
| NA  | C405.2.5,<br>Item 4 | Lighting for non-<br>visual applications                           | Identify all eligible non-visual lighting<br>applications on plans; indicate that the area<br>served by each control device does not<br>exceeds 4,000 sf  |  |
| NA  |                     |  | Indicate on plans that non-visual lighting are<br>controlled independently from both general<br>area lighting and other lighting applications<br>within the same space  |  |

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| YES |                      | COEDIT ENHANCE   | Verify that no 20 amp circuit controlled by a<br>single switch or automatic control is loaded<br>beyond 80%   |  |
|-----|----------------------|--|---|--|
| YES | C405.2.7             | Area controls -<br>Master control<br>switches and circuit<br>power limit | Indicate location(s) of master control<br>switch(es) intended to control multiple<br>independent switches; circuit breaker may not<br>be used as a master control switch  |  |
|     | C405.5.4             | Exterior gas-fired lighting appliances                                   | Indicate ignition system is a method other<br>then continuously burning pilot light   |  |
|     | C405.5.2             | Lighting control of<br>exempt exterior<br>lighting                       | Indicate that exempt exterior lighting and<br>lighting located within exterior areas/surfaces<br>that eligible for a lighting power exemption<br>are controlled independently from non-<br>exempt exterior lighting   |  |
|     |                      |  | For building facade and landscape lighting,<br>indicate control sequence for shut-off control<br>is based on dawn-to-dusk and business<br>opening/closing schedule; indicate whether<br>automatic or time switch controls will be<br>provided for this function |  |
|     |                      |  | For lighting requiring setback controls,<br>include control sequence that reduces lighting<br>power by at least 30% between 12am-6am, or<br>from 1 hour after closing to 1 hour before<br>opening, or based upon motion sensor                                  |  |
|     |                      |  | For exterior lighting that is not decorative,<br>indicate on plans automatic daylight or time-<br>switch shut-off controls and setback controls;<br>or indicate exception taken   |  |
|     | C405.2.6             | Exterior lighting controls   | For decorative exterior lighting, indicate on<br>plans automatic daylight shut-off controls, or<br>exception taken  |  |
| NA  | C405.4.1<br>C405.4.2 | Lighting control of<br>exempt interior<br>lighting                       | Indicate that exempt interior lighting<br>equipment and lighting located within spaces<br>that are eligible for a lighting power<br>exemption are controlled independently from<br>non-exempt and general area lighting   |  |
| NA  |                      |  | Indicate method of automatic shut-off control   |  |
| NA  |                      |  | If total egress lighting power density is greater<br>than 0.02 W/sq. ft., indicate on plans egress<br>fixtures requiring automatic shut-off during<br>unoccupied periods  |  |
| YES |                      |  | Provide calculation of lighting power density of total egress lighting  |  |
| YES | C405.2.5,<br>Item 5  | Means of egress<br>lighting  | Identify on plans egress fixtures that function<br>as both normal and emergency means of<br>egress illumination   |  |
| NA  |                      |  | Indicate method of manual lighting control<br>and applicable automatic lighting control   | City of Puyallup<br>Development & Permitting Service<br>(ISSUED PERMIT<br>Building<br>Engineering<br>Planning<br>Fire<br>Traffic |

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|              |                      |   |  | 01 (0 1  |
|--------------|----------------------|---|--|--|
|              | C406.4               | Enhanced digital<br>lighting controls         | To comply with additional efficiency credit,<br>indicate on plans that interior lighting fixtures<br>are configured with all of the following<br>control functions, as applicable: 1) Each<br>fixture is individually addressed, or exception<br>taken; 2) Fixtures are configured for<br>continuous dimming; 3) No more than eight<br>fixtures are controlled by a single daylight<br>sensor; 4) In enclosed and open office areas,<br>illumination levels of overhead general area<br>lighting is configured to be individually<br>adjusted by occupants<br>Include calculations that demonstrate the total<br>lighting power of all interior lighting fixtures<br>configured with enhanced lighting controls is<br>no less than 90% of the total interior lighting<br>power for the area the enhanced lighting<br>controls credit is being applied to | City of Puyallup<br>evelopment & Praming<br>Budding<br>Engineering<br>Fire<br>Traffic<br>Traffic |
| INTERIOR LIG | HTING POWE           | <b>CR &amp; EFFICACY</b>                      |  |  |
| YES          | C405.4.1<br>C405.4.2 | Total connected<br>interior lighting<br>power | Include all luminaires in interior lighting<br>fixture schedule; indicate fixture types, lamps,<br>ballasts, and manufacturer's watts per fixture<br>for the installed lamp  |  |
| NA           | -                    |   | Identify spaces eligible for lighting power<br>exemption on plans and in WSEC interior<br>lighting compliance reports; indicate the<br>exception applied   |  |
| NA           |                      |   | Identify lighting equipment eligible for<br>lighting power exemption in fixture schedule<br>and in WSEC interior lighting compliance<br>reports; indicate the exception applied  |  |
|              | C405.1<br>C405.1.1   | Lighting in dwelling<br>units (multifamily)   | For all installed luminaires, include lamp type<br>and number of lamps in lighting fixture<br>schedule; for lamps that are not LED, T-8 or<br>small diameter fluorescent, indicate efficacy<br>of other lamp types is 65 lumens per watt or<br>greater   |  |
|              | -                    |   | For all installed luminaires, indicate in<br>lighting fixture schedule whether complying<br>via lighting power density or by qualifying<br>lamp type; if by lamp type, include number of<br>lamps  |  |
|              |                      |   | For all installed luminaires, indicate in<br>lighting fixture schedule whether complying<br>via lighting power density or by qualifying<br>lamp type; if by lamp type, include number of<br>lamps  |  |
| INTERIOR LIG | HTING POWE           | R CALCULATION - I                             | INDICATE COMPLIANCE PATH TAKEN   |  |
| YES          | C405.4.2.1           | Building Area<br>Method                       | Demonstrate that total proposed wattage per<br>building area does not exceed maximum<br>allowed wattage per building area; identify<br>locations of building areas on plans; provide<br>WSEC exterior lighting compliance reports  |  |

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| NA           | C405.4.2.2  | Space-By-Space<br>Method   | Demonstrate that total proposed wattage does<br>not exceed maximum allowed wattage;<br>identify locations of space types on plans,<br>including retail display areas and areas with<br>display, highlight and decorative lighting;<br>provide WSEC exterior lighting compliance<br>reports  |   | City of Poyaling<br>Pevidometa Fermiting Services<br>(ISSUED PERMIT<br>Buding<br>Engineering<br>Public Works<br>Fire<br>Traffic |  |  |  |  |
|--------------|---|--|---|---|---|--|--|--|--|
| ADDITIONAL H | ADDITIONAL EFFICIENCY CREDITS - REDUCED INTERIOR LIGHTING POWER DENSITY |  |   |   |   |  |  |  |  |
| NA           | C406.3.1<br>C406.3.2  | Reduced interior<br>lighting power<br>density                                  | To comply with additional efficiency credit,<br>demonstrate that total connected interior<br>lighting wattage is 10% or 20% less than the<br>total maximum allowed lighting wattage for<br>the area the reduced lighting power credit is<br>being applied to; indicate whether lighting<br>power allowance is based on the building area<br>method or space-by-space method; provide<br>WSEC exterior lighting compliance reports |   |   |  |  |  |  |
|              | C406.3  | Reduced interior<br>lighting power<br>density - dwelling<br>unit lamp efficacy | For project with dwelling units, to comply<br>with additional efficiency credit indicate in<br>lighting fixture schedule that lamps within<br>installed interior luminaires have an efficacy<br>rating of at least 65 lumens per watt; include<br>number of lamps and provide calculations that<br>demonstrate at least 95% of lamps have this<br>efficacy rating   |   |   |  |  |  |  |
| EXTERIOR LIG | HTING POW   | ER & EFFICACY  |   | · |   |  |  |  |  |
|              | C405.5.2  | Total connected<br>exterior lighting<br>power                                  | Include all luminaires in exterior lighting<br>fixture schedule; indicate fixture types, lamps,<br>ballasts, and manufacturer's watts per fixture<br>for the installed lamp   |   |   |  |  |  |  |
|              |   |  | Identify exterior applications eligible for<br>lighting power exemption on plans and in<br>WSEC exterior lighting compliance reports;<br>indicate exception applied   |   |   |  |  |  |  |
|              | C405.5.3(1)   | Exterior lighting zone   | Indicate building exterior lighting zone as specified by the AHJ  |   |   |  |  |  |  |
|              | C405.5.1  | Exterior building grounds lighting   | For building grounds fixtures rated at greater<br>than 50 watts, indicate rated lamp efficacy (in<br>lumens per watt) in fixture schedule   |   |   |  |  |  |  |
| EXTERIOR LIG | HTING POW   | ER CALCULATION   | 1   | 1 |   |  |  |  |  |
|              | C405.5.3  | Tradable allowances  | Demonstrate that total proposed tradable<br>surface wattage does not exceed maximum<br>allowed tradable surface wattage (including<br>base site allowance); identify locations of<br>tradable surfaces on plans; provide WSEC<br>exterior lighting compliance reports   |   |   |  |  |  |  |

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|              |           |  | Demonstrate that proposed wattage per non-<br>tradable surface type does not exceed<br>maximum allowed wattage per non-tradable<br>surface type (including base site allowance<br>remaining after tradable allowance<br>calculation); identify locations of non-tradable<br>surfaces on plans; provide WSEC exterior<br>lighting compliance reports   | City of Pupellup<br>Development Permiting Service<br>(SSUED PERMIT<br>Building<br>Engineering Public Works<br>Fire Traffic |
|--------------|-----------|--|---|--|
| LIGHTING ALT | TERATIONS |  |   |  |
| YES          | C503.6.1  | Interior and parking<br>garage lighting<br>fixture alterations | Where ≥ 50% of existing luminaires in an<br>interior space or parking garage are replaced;<br>indicate compliance path (building area or<br>space-by-space method); include all new and<br>existing-to-remain luminaires in WSEC<br>interior lighting compliance reports; indicate<br>proposed lighting wattage does not exceed<br>maximum allowed per compliance path  |  |
| NA           |           |  | Where < 50% of existing luminaires in an<br>interior space or parking garage are replaced;<br>indicate total existing lighting wattage in each<br>space prior to alteration; include all new and<br>existing-to-remain luminaires in WSEC<br>interior lighting compliance reports; indicate<br>proposed total lighting wattage in alteration<br>area does not exceed total existing lighting<br>wattage prior to alteration |  |
|              |           |  | Where ≥ 50% of existing exterior lighting<br>wattage is replaced; include all new and<br>existing-to-remain luminaires in WSEC<br>exterior lighting compliance reports; indicate<br>proposed total exterior lighting wattage does<br>not exceed maximum allowed   |  |
|              |           |  | Where < 50% of existing exterior lighting<br>wattage is replaced; indicate total existing<br>lighting wattage prior to alteration; include all<br>new and existing-to-remain luminaires in<br>WSEC interior exterior compliance reports;<br>indicate proposed total exterior lighting<br>wattage does not exceed total existing wattage<br>prior to alteration  |  |
| YES          | C503.6.2  | Interior lighting<br>wiring and circuiting<br>alterations      | Where new wiring is installed to serve new interior luminaires and /or luminaires are relocated to a new circuit; indicate manual and automatic lighting controls are provided (as applicable) - manual (C405.2.3); occupancy sensor (C405.2.1); light reduction (C405.2.3); daylight responsive (C405.2.4); specific application (C405.2.5)  |  |
|              |           |  | Where new wiring is installed to serve new exterior luminaires and /or luminaires are relocated to a new circuit; indicate automatic lighting controls are provided (C405.2.6)  |  |

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| MOTORS, 7 | FRANSFORMER         | S, ELECTRIC METERS                     | 5, INTERIOR TRANSPORTATION  |   |  |
|-----------|---------------------|--|---|---|--|
| YES       | C503.6.6            | Electrical receptacle alerations       | Where new receptacles are added or replaced<br>within an alteration project that is 5,000 sf or<br>larger, indicate receptacles are provided with<br>automatic controls per C405.10, or exception<br>taken  |   |  |
|           | C405.2.5,<br>Item 2 | Switched receptacles in sleeping units | Indicate method of automatic off control of<br>all switched receptacles in sleeping units<br>(vacancy or key card control)  |   |  |
| YES       |                     |  | Indicate on plans the method of automatic<br>control for each controlled receptacle zone<br>(occupant sensor or programmable time-of-<br>day control); indicate that each zone served by<br>a single controller does not exceed 5,000 sf  |   |  |
| YES       |                     |  | Provide schedule that lists the number of<br>controlled and uncontrolled receptacles in<br>each space where controlled receptacles are<br>required - classrooms, private offices, open<br>office areas, conference rooms, copy rooms,<br>break rooms and modular<br>partitions/workstations |   |  |
| YES       | C405.10             | Controlled<br>receptacles              | Identify all controlled and uncontrolled<br>receptacles on electrical plans in each space in<br>which they are required; include receptacle<br>configuration such as spacing between<br>controlled and uncontrolled, duplex devices,<br>etc   |   |  |
| RECEPTAC  | CLES                |  | 1   | 1 | 1  |
| YES       |                     |  | Indicate compliance method (building area or<br>space-by-space); include all new and existing-<br>to-remain luminaires in WSEC interior<br>lighting compliance reports; indicate proposed<br>lighting wattage does not exceed maximum<br>allowed per compliance path                        |   |  |
| YES       | C505.1              | Change of interior space use           | Identify spaces on plans where the building<br>area type or space use type is being changed<br>from one type to another per Tables<br>C405.4.2(1) or (2)  |   |  |
| YES       | C504.2              | Lighting repairs                       | Identify existing luminaires being upgraded<br>with bulb and / or ballast replacement;<br>indicate fixture alteration does not increase<br>existing fixture wattage   |   |  |
|           | C503.6.4            | Newly-created rooms                    | Where interior space(s) is reconfigured<br>(permanently installed walls or ceiling-height<br>partitions) to create new enclosed spaces,<br>indicate all applicable lighting controls<br>requirements apply  |   |  |
|           | C503.6.3            | Lighting panel alterations             | Where a new interior and/or exterior lighting<br>panel is installed or an existing panel is moved<br>(all new raceway and conductor wiring),<br>indicate all applicable lighting controls<br>requirements apply   |   | City of Peyallup<br>evelopment Permiting Services<br>(ISSUED PERMIT<br>Building Planning<br>Engineering Public Works<br>Fire Traffic |

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|         | C405.6  | Electrical transformers   | Include electrical transformer schedule on<br>electrical plans; indicate transformer type,<br>size, efficiency, or exception taken   | City of Pepallup<br>Development & Perallup<br>ISSUED PERMIT<br>Building<br>Engineering<br>Public Works<br>Fire |
|---------|---|---|--|--|
| YES     | C405.11   | Feeders and branch circuits   | Provide documentation that demonstrates<br>maximum voltage drop across feeders and<br>branch circuits does not exceed 5%   |  |
|         | C405.7  | Dwelling unit<br>electrical energy<br>consumption                     | Indicate on electrical plans that each dwelling<br>unit in Group R-2 has a separate electrical<br>energy meter   |  |
|         | C405.8  | Electric motor<br>efficiency  | Include all motors, including fractional hp<br>motors, in electric motor schedule on<br>electrical plans; indicate motor type,<br>horsepower, rpm, rated efficiency, or<br>exception applied   |  |
|         | 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  |  |
|         |   |   | 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  |  |
|         |   |   | Indicate automatic controls that de-energize<br>lighting and ventilation fans when elevator is<br>stopped and unoccupied for a period of 15<br>minutes or more   |  |
|         | 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   |  |
|         | C405.9.3  | Regenerative drive  | Indicate all one-way down or reversible<br>escalators are provided with a variable<br>frequency regenerative drive   |  |
| DOCUMEN | TATION AND SY   | YSTEM REQUIREMEN  | NTS TO SUPPORT COMMISSIONING (CX)  |  |
| YES     | C408.4  | Scope of electrical<br>power and lighting<br>systems<br>commissioning | Indicate that all electrical systems<br>(receptacles, transformers, motors, vertical<br>and horizontal transportation) for which the<br>WSEC requires control functions and / or<br>configuration to perform specific functions<br>are required to be commissioned   |  |
| NA      |   |   | Where total building lighting load is > 20 kW,<br>or where total lighting load of luminaires<br>requiring daylight sensing and / or occupancy<br>control > 10 kW, indicate that all automatic<br>lighting control systems are required to be<br>commissioned; or provide building lighting<br>power calculation demonstrating eligibility for<br>exception |  |
| YES     | C405.13<br>C408.1.1<br>C408.1.2<br>C408.1.4.2<br>C103.6.3 | Commissioning<br>requirements in<br>construction<br>documents         | Indicate Cx requirements in plans and<br>specifications for all applicable electrical and<br>lighting control systems per C408   |  |

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

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| YES                 | C408.1.2<br>C408.1.2.1<br>C408.1.4<br>C103.6.3 | Commissioning<br>requirements in<br>construction<br>documents | Include general summary of Cx plan per<br>C408.1.2 including: 1) Narrative description<br>of activities; 2) Responsibilities of the Cx<br>team; 3) Schedule of activities including<br>verification of project close out<br>documentation per C103.6; 4) Conflict of<br>interest plan (if required) |   | City of Puyallup<br>Devolopment Permiting Services<br>(ISSUED PERMIT<br>Building<br>Engineering<br>Public Works<br>Fire Traffic |
|---------------------|--|---|---|---|---|
| YES                 | C408.1.2<br>C408.1.4<br>C103.6.3               | Commissioning<br>requirements in<br>construction<br>documents | Include in general summary that a Cx project<br>report and Compliance Checklist (Figure<br>C408.1.4.1) shall be completed by the<br>Certified Cx Professional and provided to the<br>owner prior to the final electrical inspection   |   |   |
| YES                 | C408.4.1                                       | Functional<br>performance testing<br>criteria                 | Identify in plans and specifications the<br>intended operation of all equipment and<br>controls during all modes of operation,<br>including interfacing between new and<br>existing-to-remain systems   |   |   |
| PROJECT CLO         | SE OUT DOCU                                    | UMENTATION  |   |   |   |
| YES                 | C103.6.3                                       | Project close out<br>documentation<br>requirements            | Indicate in plans that project close out<br>documentation is required including WSEC<br>lighting compliance reports that document all<br>interior and exterior lighting area and / or<br>surface types, lighting power allowances and<br>installed densities  |   |   |
| If "no" is selected | for any question                               | n, provide explanation.                                       |   | 1 |   |
|                     |  |   |   |   |   |



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