

LIGHTING COMPLIANCE SUMMARY

THE APPROVED CONSTRUCTION PLANS, DOCUMENTS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

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2018 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1

| | | | | |
|--|------------------------|---|---|---------------------------|
| Project & Applicant Information | Project Title | 2nd St Apartments - 2018 WSEC | For Building Department Use: FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITEE ON SITE FOR INSPECTION | Date: Dec 28, 2021 |
| | Project Address | 000 2nd Street NW Puyallup, WA 98372 | | |
| | Applicant Name | James Guerrero Architects, Inc. | | |
| | Applicant Phone | 253-581-6000 | | |
| | Applicant Email | rhene@jgarch.net | | |

For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com

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|------------------------------|---|--|---|----------------------------------|-------------------------------------|-------------------------------|
| General Occupancy | Mixed Occupancy - Commercial + Group R building 3 stories or less | General Building Use Type | Multifamily/Residential | Building Cond. Floor Area | 29,099 | |
| General Project Types | New Building | New Building or Addition Lighting Scope | Interior Lighting Parking Garage Lighting Exterior Lighting | Alteration Lighting Scope | Project Cond. Floor Area | 29,099 |
| | | | | | Floors Above Grade | 3 |
| | | | | | Compliance Method | Compliance Method 1 - General |
| | | | | | Lighting Project Description | |

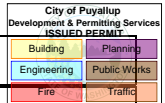
| Lighting Compliance Scope and Method | Project Type | Interior / Exterior (Interior includes both interior & parking) | Luminaire Replacement Scope | Compliance Method | LPA Calculation Adjustment | Compliance Verification |
|---|---------------------------------------|---|-----------------------------|-------------------|---------------------------------------|-------------------------|
| | New Building | Interior Lighting | | Space by space | Reduced lighting power density option | COMPLIES |
| | New Building | Exterior Lighting | | | Not applicable to exterior | COMPLIES |
| Additional Efficiency Options Included | Reduced lighting power density credit | | | | | |

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|-----------------------------------|----------------------------------|-----------------------------------|--------------------------------|----------|
| Project Title | 2nd St Apartments - 2018 WSEC | Date | Dec 28, 2021 | |
| Lighting Power Calculation | NEW BUILDING - INTERIOR LIGHTING | | Compliance Verification | COMPLIES |
| Compliance Method | Space by space | LPA Calculation Adjustment | LPA x 0.8 | |

| Interior Lighting Power Allowance - Space by Space | | | | | | | | |
|--|---------------------|---------------------|--------------------------|----------------|---|--|-------------------|----------|
| General Space Type | Specific Space Type | Ceiling Height (Ft) | Gross Interior Area (SF) | LPA (Watts/SF) | Total Watts Allowed (SF x LPA x 0.8) | Total Proposed Watts (LPD + Display LPD) | Compliance Status | |
| Corridors | General | | 4,969 | 0.41 | 2,037 | | | |
| Electrical/mechanical | | | 550 | 0.43 | 237 | | | |
| Parking - Covered | Enclosed garage | | 7,248 | 0.15 | 1,087 | | | |
| Proposed Total LPD | | | | | | 2282 | | |
| Totals | | | | | Calculation Adjustment Applied - LPA x 0.8 | 2,689 | 2,282 | COMPLIES |

| Proposed Lighting Power Density | | | | | | | |
|---------------------------------|-----------------------|---------------------------|--|------------------------|------------------------------|--|--|
| Fixture Type | Fixture ID | Quantity of Fixtures (#F) | Watts or Wattage Limit per Fixture (WpF) | Total Linear Feet (LF) | Watts per Linear Foot (WpLF) | Total Watts Proposed (#F x WpF) or (LF x WpLF) | |
| Individual Fixtures | | | | | | | |
| Direct / indirect pendant | Lobby Pendant | 6 | 21 | | | 126 | |
| Horizontal surface-mount | Garage ambient light | 28 | 27 | | | 756 | |
| Horizontal surface-mount | LED surface mount 11" | 70 | 20 | | | 1,400 | |
| Proposed Total LPD | | | | | | 2282 | |

| | | | |
|----------------------|-------------------------------|-------------|--------------|
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| Proposed Fixtures Details | | NEW BUILDING - INTERIOR LIGHTING | | | | |
|----------------------------|---|----------------------------------|-----------|--|---------------------------|--|
| Fixture Type/Application | Fixture ID | Location in Documents | Lamp Type | | New or Existing-to-Remain | |
| Individual Fixtures | | | | | | |
| Direct / indirect pendant | Lobby Pendant | A4.7 | LED | | New | |
| | Fixture Description: Lobby Pendant | | | Are these fixtures located within a daylight zone?: Yes, controls provided | | |
| | Do these fixtures require specific application lighting controls?: None required | | | | | |
| Horizontal surface-mount | Garage ambient light | A4.7 | LED | | New | |
| | Fixture Description: LED Garage | | | Are these fixtures located within a daylight zone?: Yes, controls provided | | |
| | Do these fixtures require specific application lighting controls?: None required | | | | | |
| Horizontal surface-mount | LED surface mount 11" | A4.7, A4.8 | LED | | New | |
| | Fixture Description: Surface mounted area lighting | | | Are these fixtures located within a daylight zone?: No | | |
| | Do these fixtures require specific application lighting controls?: Exit access & egress lighting per IBC Section 1006.1 | | | | | |

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|-----------------------------------|---|--------------------------------|---------------------|
| Project Title | 2nd St Apartments - 2018 WSEC | Date | Dec 28, 2021 |
| Lighting Power Calculation | NEW BUILDING - EXTERIOR LIGHTING | Compliance Verification | COMPLIES |
| Exterior Lighting Zone | ZONE 2 | Base Site Allowance | 400 |

| Exterior Tradable Lighting Power Allowance | | | | | | | | |
|--|------------------------------|-------------------|----------------|------------------|----------------|--|-------------------------------|----------------------------|
| Tradable Surface | Tradable Surface Sub-Type | Surface Area (SF) | LPA (Watts/SF) | Linear Feet (LF) | LPA (Watts/LF) | Total Watts Allowed (LPA x SF) or (LPA x LF) | Total Tradable Proposed Watts | Tradable Compliance Status |
| Building entrances and exits | Pedestrian entrances & exits | | | 12 | 14 | 168 | | |
| Uncovered parking areas and drives | | 12,292 | 0.04 | | | 492 | | |
| Base Site Allowance | | | | | | 400 | | |
| Totals | | | | | | 1,060 | 672 | COMPLIES |

| Proposed Tradable Lighting Power Density | | | | | | | |
|--|-----------------------|---|---------------------------|--|------------------------|------------------------------|--|
| Fixture Type | Fixture ID | Tradable Surface Type | Quantity of Fixtures (#F) | Watts or Wattage Limit per Fixture (WpF) | Total Linear Feet (LF) | Watts per Linear Foot (WpLF) | Total Watts Proposed (#F x WpF) or (LF x WpLF) |
| Individual Fixtures | | | | | | | |
| Pole-mounted | Pole mounted light | Uncovered parking areas and drives - | 6 | 92 | | | 552 |
| Wall-mounted | Entry alcove lighting | Building entrances and exits - Pedestrian entrances & exits | 3 | 10 | | | 30 |
| Wall-mounted | Wall mounted light | Uncovered parking areas and drives - | 6 | 15 | | | 90 |
| Tradable Proposed Total | | | | | | | 672 |