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2021 WSEC Complianc	e Forms for Com		oject Title	ng Group R	2, R3 & R ²	T-Mobile 8022 -		Building Department Use:		Administered by:	1	
		111	oject Hite			4227 S Me		Building Department Ose.			Date:	Nov (
Project & Applicant		Pro	oject Addres	s		Suite Puyallup, W						
Information		Ap	plicant Nam	e		Clayton Luc						
			plicant Phor			817-901-	-5191					
			plicant Ema			clucas@gegr		200 ' '1 ' 1 1				
		For que	stions about	this report, o	contact WS	SEC Commercial Tec	chnical Support at 360-539-5	300 or via email at com.tech	support@waene	rgycodes.com		
General Occupancy	All	Commercia	1	General I	Building U	se Type		Retail, Strip Mall	Building Cond			3,263
Consuel Businest Times	A 144:	New Build	ing or				Alteration	Tutonion Tichtino	Project Cond.			3,263
General Project Types	Alteration	Addition Lighting S	cope				Lighting Scope	Interior Lighting	Floors Above Compliance M		Ger	neral Presc
Lighting Project					Intorior	anavatian of an aviati	ing Retail space to include n	au lighting lighting control				acrar r rese
Description					interior re	enovation of an existi	ing Ketan space to include it	ew lighting, lighting control	s and electrical o	outicts.		
Lighting Compliance	D	-4 TD		erior / Exte		Luminaire Replacen		Complement Made		LPA Calculation		Comp
Scope	Projec	Project Type (Interior include & par				Luminaire Replacen	ment Scope	Compliance Method		Adjustment		Verifi
and Method	Alte	ration	In	terior Light	ing	20% o	or more replaced	Space by space	No Ca	No Calculation Adjustments allowed		COM
Additional Energy Efficiency (AEC) Measures Included	No lighting		additional en cluded in pro		ency	Load Management ((LDM) Measures Included		No lighting	or electrical load manage	ment measu	res include
wieasures included					-							
Project Title	T-Mobile 8	022 - 2021	WSEC						'	Date	e Nov 0	9, 2024
				ON - INT	ERIOR	LIGHTING (20%	% or more replaced)		Compli	Date		9, 2024 COMPL
Project Title				_	ERIOR 1	LIGHTING (20%		ition Adjustment	Compli			
Project Title Lighting Power Cal				_			LPA Calcula		Compli			COMPL
Project Title Lighting Power Cal Compliance Method	culation	Al	LTERATIO	Space I	by space	Interior Lightin	LPA Calcula	e by Space		iance Verification		none
Project Title Lighting Power Cal	culation		LTERATIO	Space I	by space		LPA Calcula		d T			none
Project Title Lighting Power Cal Compliance Method General Space Ty Corridors	pe S	Pecific Spac	e Type	Space I	by space Gross Inte	Interior Lightin rior Area (SF) 264	LPA Calcula ng Power Allowance - Spac LPA (Watts/SF) 0.41	e by Space Total Watts Allowe (SF x LPA x 1) 108	d T	iance Verification		none
Project Title Lighting Power Cal Compliance Method General Space Ty Corridors Lounge/breakroon	pe S	pecific Spac General General	e Type	Space I	by space Gross Inte	Interior Lightin rior Area (SF) 264 563	LPA Calcula ng Power Allowance - Spac LPA (Watts/SF) 0.41 0.59	e by Space Total Watts Allowe (SF x LPA x 1) 108 332	d T	iance Verification		none
Project Title Lighting Power Cal Compliance Method General Space Ty Corridors Lounge/breakroon Office	pe S	pecific Spac General General Enclosed \(\le 2 \)	e Type	Space I	by space Gross Inte	Interior Lightin rior Area (SF) 264 563 86	LPA Calcula ng Power Allowance - Spac LPA (Watts/SF) 0.41 0.59 0.74	e by Space Total Watts Allow (SF x LPA x 1) 108 332 64	d T	iance Verification		none
Project Title Lighting Power Cal Compliance Method General Space Ty Corridors Lounge/breakroon	pe S	pecific Spac General General	e Type	Space I	by space Gross Inte	Interior Lightin rior Area (SF) 264 563	LPA Calcula ng Power Allowance - Spac LPA (Watts/SF) 0.41 0.59	e by Space Total Watts Allowe (SF x LPA x 1) 108 332	d T	iance Verification		none
Project Title Lighting Power Cal Compliance Method General Space Ty Corridors Lounge/breakroon Office Restroom	pe S	pecific Spac General General Enclosed \(\leq 2 \) General	e Type	Space I	by space Gross Inte	Interior Lightin rior Area (SF) 264 563 86 120	LPA Calcula ng Power Allowance - Spac LPA (Watts/SF) 0.41 0.59 0.74 0.63	e by Space Total Watts Allowe (SF x LPA x 1) 108 332 64 76	d T	iance Verification		none
Project Title Lighting Power Cal Compliance Method General Space Ty Corridors Lounge/breakroor Office Restroom Storage room	pe S	pecific Spac General General Enclosed \(\leq 2 \) General General	e Type	Space I	by space Gross Inte	Interior Lightin rior Area (SF) 264 563 86 120	LPA Calcula ng Power Allowance - Spac LPA (Watts/SF) 0.41 0.59 0.74 0.63 0.38	e by Space Total Watts Allowe (SF x LPA x 1) 108 332 64 76 48 2,209	d T	iance Verification Otal Proposed Watts LPD + Display LPD)	Co	none mpliance
Project Title Lighting Power Cal Compliance Method General Space Ty Corridors Lounge/breakroor Office Restroom Storage room	pe S	pecific Spac General General Enclosed \(\leq 2 \) General General	e Type	Space I	by space Gross Inte	Interior Lightin rior Area (SF) 264 563 86 120	LPA Calcula ng Power Allowance - Space LPA (Watts/SF) 0.41 0.59 0.74 0.63 0.38 1.05	e by Space Total Watts Allowe (SF x LPA x 1) 108 332 64 76 48 2,209	d T	iance Verification Otal Proposed Watts LPD + Display LPD)	Co	none mpliance
Project Title Lighting Power Cal Compliance Method General Space Ty Corridors Lounge/breakroor Office Restroom Storage room	pe S	pecific Spac General General Enclosed \(\leq 2 \) General General	e Type	Space I	by space Gross Inte	Interior Lightin rior Area (SF) 264 563 86 120 126 2,104	LPA Calcula ng Power Allowance - Space LPA (Watts/SF) 0.41 0.59 0.74 0.63 0.38 1.05	e by Space Total Watts Allow (SF x LPA x 1) 108 332 64 76 48 2,209 2,837	d T	iance Verification Otal Proposed Watts LPD + Display LPD)	Co	none mpliance
Project Title Lighting Power Cal Compliance Method General Space Ty Corridors Lounge/breakroon Office Restroom Storage room Retail	pe S	pecific Spac General General Enclosed \(\leq 2 \) General General	e Type	Space I	Gross Inte	Interior Lightin rior Area (SF) 264 563 86 120 126 2,104	LPA Calcula ng Power Allowance - Spac LPA (Watts/SF) 0.41 0.59 0.74 0.63 0.38 1.05 Proposed Total LPI	e by Space Total Watts Allow (SF x LPA x 1) 108 332 64 76 48 2,209 2,837	d T	iance Verification Otal Proposed Watts LPD + Display LPD)	Co	mpliance : COMPLI Total Wat Proposee #F x WpF
Project Title Lighting Power Cal Compliance Method General Space Ty Corridors Lounge/breakroon Office Restroom Storage room Retail	pe S m	pecific Space General General Enclosed \(\leq 2 \) General General General se	e Type 1 250 sf 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Space I	Gross Inte	Interior Lightin rior Area (SF) 264 563 86 120 126 2,104 Propo quantity of xtures (#F)	LPA Calcula ng Power Allowance - Space LPA (Watts/SF) 0.41 0.59 0.74 0.63 0.38 1.05 Proposed Total LPI Watts or Wattage Limit per Fixture (WpF)	e by Space Total Watts Allowe (SF x LPA x 1) 108 332 64 76 48 2,209 2,837	d T	iance Verification Cotal Proposed Watts LPD + Display LPD) 2,431 2,431 2,431	Co	mpliance s COMPLI Total Wat Proposee #F x WpF
Project Title Lighting Power Cal Compliance Method General Space Ty Corridors Lounge/breakroon Office Restroom Storage room Retail	pe S	pecific Spac General General Enclosed \(\leq 2 \) General General General se	e Type 1 250 sf 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Space I	Gross Inte	Interior Lightin rior Area (SF) 264 563 86 120 126 2,104 Propo quantity of xtures (#F)	LPA Calcula ng Power Allowance - Space LPA (Watts/SF) 0.41 0.59 0.74 0.63 0.38 1.05 Proposed Total LPI Seed Lighting Power Densit Watts or Wattage Limit per Fixture (WpF)	e by Space Total Watts Allowe (SF x LPA x 1) 108 332 64 76 48 2,209 2,837	d T	iance Verification Cotal Proposed Watts LPD + Display LPD) 2,431 2,431 2,431	Co	mpliance : COMPLI Total Wat Proposet #F x WpF (LF x WpI
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Project Title Lighting Power Cal Compliance Method General Space Ty Corridors Lounge/breakroon Office Restroom Storage room Retail	pe S	pecific Spac General Enclosed \(\leq 2 \) General General General sa Decorative ect pendant ect pendant	e Type 1 250 sf 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Space	Gross Inte	Interior Lightin rior Area (SF) 264 563 86 120 126 2,104 Propo quantity of xtures (#F)	LPA Calcula ng Power Allowance - Space LPA (Watts/SF) 0.41 0.59 0.74 0.63 0.38 1.05 Proposed Total LPI Seed Lighting Power Densit Watts or Wattage Limit per Fixture (WpF)	e by Space Total Watts Allowe (SF x LPA x 1) 108 332 64 76 48 2,209 2,837	d T	iance Verification Cotal Proposed Watts LPD + Display LPD) 2,431 2,431 2,431	Co	mpliance COMPLI Total Wai Propose #F x WpF (LF x WpI) 44

Indi	rface-mount L235	2	31				62		
	rect pendant L222	8	23				184		
	Troffer L231	9	35				315		
Recesse	d downlight L230	8 26					208		
	Suspended L211/L212	1	600				600		
Other	fixture type L233	2	9				18		
						Proposed Total LPD	2,431		
	8022 - 2021 WSEC	NITEDIAD I ICHTINIC (200/	ou mous vouls sed	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Date	Nov 09, 2024		
Proposed Fixtures Details		NTERIOR LIGHTING (20%				N. 77 11 1 1			
Fixture Type/Application	Fixture ID	Location in Documents		Lamp Type		New or Existing-to-	Kemain		
ndividual Fixtures	Y 224	P111		TED		NT.			
Decorative		E111		LED	1 1 7 7	New	37		
	Fixture Description: LED Sconc				Are these fixtur	es located within a daylight zone?	: NO		
D: (1) 1: :		c application lighting controls?: None r	required	TED	 	7.*			
Direct / indirect pendant		E111		LED	 	New	**		
	Fixture Description: LED Linear				Are these fixtur	es located within a daylight zone?	: No		
	* *.	c application lighting controls?: None r	required						
Direct / indirect pendant	<u> </u>	E111		LED		New			
	Fixture Description: LED Linear				Are these fixtur	es located within a daylight zone?	No		
		c application lighting controls?: None r	required						
Direct / indirect pendant	L221	E111	LED		New				
	Fixture Description: LED Linear		Are these fixtur	es located within a daylight zone?	No				
		e application lighting controls?: None r	equired	LED					
Horizontal surface-mount	L235	E111	New						
	Fixture Description: LED Linear	r			Are these fixtur	es located within a daylight zone?	: No		
	Do these fixtures require specifi-	c application lighting controls?: None r	equired						
Indirect pendan	L222	E111		LED	i i	New			
	Fixture Description: LED Penda	nt			Are these fixtur	es located within a daylight zone?	No		
	Do these fixtures require specifi-	c application lighting controls?: None r	equired						
Troffer	L231	E111		LED		New			
	Fixture Description: LED Panel		•		Are these fixtures located within a daylight zone?: No				
	Do these fixtures require specifi	c application lighting controls?: None r	required						
Recessed downlight		E111	·	LED		New			
	Fixture Description: LED Down	light			Are these fixtur	es located within a daylight zone?	No		
	-	c application lighting controls?: None r	equired			, ,			
		E111	1	LED		New			
Suspended	Fixture Description: LED Track		Are these fixtur	es located within a daylight zone?	: No				
Suspended		required							
Suspended	Do these fixtures require specific		equin eu			New			
•	Do these fixtures require specific			LED	1 1				
Suspended Other fixture type		E111		LED	Are these fixtur	es located within a daylight zone?	· No		

https://waenergycodes.com/print_project_summary_form.php?k=Y29tYm9fdGZ2X3B0PWx0Z19zY29wZV9uZXdfaW50ZXJpb3llN0NwZF9hbHRlcmF0aW9uX2d0XzUwJnRmdj1sdGdfc2NvcGVfbmV3X2l... 2/2

City of P Development & Po ISSUED	ermitting Services
Building	Planning
Engineering	Public Works
Fire OF W	Traffic

T Mobile:

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JTH MERIDIAN & 4

AVE SE

4227 S MERIDIAN SUITE E
PUYALLUP, WA 98373

DESIGN F

PROJECT TYPE: CORP NEW

DCD: XX

8022

PROTOTYPE RELEASE: Q3 2024







101 Nightlinger Lane Millsap, TX 76066 (817) 901-5191

##	DESCRIPTION	DATE
		<u> </u>
DATE: DRAWN B	Y :	11.11.2024 HC

ENERGY CALCULATIONS

he following information is necessary to ch /ashington State Energy Code, Commercia	check a permit application for rcial Provisions.	up R2, R3 & R4 over 3 stories & all R1 Administered by ©2024 NEE of for compliance with the lighting systems, motors and electrical system call Support at 360-539-5300 or via email at com.techsupport@waenerg	em requirements in the	The following info	ormation is necessa e Energy Code, Cor	mmercial Provisions.	ing Group R2, R3 & R4 over 3 stories & all R1 — Administered by ©2024 N plication for compliance with the lighting systems, motors and electrical systems. Technical Support at 360-539-5300 or via email at com.techsupport@waen	·	The following inform Washington State E	nation is necess Energy Code, Co	ary to check a permit apmmercial Provisions.	oplication for compliance with the lighting systems, not rechnical Support at 360-539-5300 or via email at	,	The following info	Energy Code, Comme	ercial Provisions.	ng Group R2, R3 & R4 over 3 stories & all R1 Administered by ©2024 NEEA, All rights reserved olication for compliance with the lighting systems, motors and electrical system requirements in the Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com
Project: T-Mobile 8022 - 2021 WSEC 4227 S Meridian Suite E Puyallup, WA 98373 Applies Code Section Compo	mponent Compli	pliance Information Required In Permit Location in Br	Date: 2024-11-09 Building Department	NA			Indicate occupant sensors are configured to automatically reduce lighting power by $\geq 50\%$ when the zone is unoccupied for over 20 minutes; indicate controls are configured to automatically restore lighting to full power when the zone or space is occupie		NA NA	C405.2.5.1	Daylight responsive controls	Identify sidelit and toplit daylight zones that are not provided with daylight responsive controls and the exception(s) that apply Indicate on plans that all daylight responsive controls provide continuous dimming to ≤15% full light output		NA			For lighting serving non-visual applications (food warming and lighting for life support of nonhuman life forms), indicate on plans that lighting fixtures are controlled independently from both general area lighting and other lighting applications within
LIGHTING SCOPE	Docume		Notes	NA		Occupant sensor controls - warehouse storage areas & library stacks	Indicate method of automatic 100% shut-off (occupancy sensor or time switch)		NA	C405.2.5.1	Daylight responsive controls	Indicate that daylight responsive controls are configured to completely shut off all controlled lighting fixtures within the lighting zone.		NA			Indicate on plans separate manual controls for non-visual lighting application fixtures and applicable automatic lighting controls; indicate that the area served by each control device does not exceed 4,000 sf.
YES C103.1 Constr	scope in struction For an a	project, indicate if there is no lighting e included in the project. In alteration project, indicate if there is E111		NA NA		Occupant sensor controls - open plan office areas Occupant sensor	For open plan office areas larger than 300 sf, indicate all general lighting control zones are ≤ 600 sf Indicate all general lighting control zones are		YES	C405.2.6	Additional controls - Specific application lighting controls	Identify spaces and lighting fixtures on plans that require specific application lighting controls per this section.	E111, E112	NA			For task lighting that serves medical & dental purposes, indicate on plans that lighting fixtures are provided with manual control that
	hting in sleeping Indicate permane units - v	ate general compliance path for anently installed luminaires in sleeping - vacancy controls & luminaire efficacy; achting power allowance.		NA		controls - open plan office areas	provided with vacancy controls that are configured to reduce lighting power by not less than 80% when the zone is unoccupied and turn luminaires 100% off when the control zone is unoccupied; indicate unoccup		YES	C405.2.6, Items 1.1 thru 1.6	Additional lighting controls for display, accent & supplemental task lighting	Indicate on plans that all display, accent and supplemental task lighting fixtures are controlled independently from general area lighting	E111, E112, E113	YES		eans of egress	is independent from general area lighting. Identify all means of egress lighting fixtures on plans including fixtures that function as both normal and emergency illumination
	erior lighting trols, general lighting controls	all interior lighting systems, indicate ing control method (general lighting rols requirements or luminaire level		NA	C405.2.1.4	Occupant sensor controls - enclosed fire-rated stairwells	Indicate stairway lighting is provided with occupancy sensor controls that reduce lighting power by not less than 50% when the stairway in unoccupied and restore lighting to 100% when it is occupied.		YES	C405.2.6, Items 1.1 and 1.2	Display and accent lighting	including lighting fixtures added per the C405.2.2.1 additional interior lighting power allowance, indicate on plans the separate manual controls for these fixtures and the type	E111, E112, E113	YES			Provide calculation for total lighting power density (LPD) of all means of egress lighting fixtures; if total LPD is ≥ 0.01 Watts/SF, indicate on plans the method of automatic shut-off control during unoccupied periods (emergency relay & occupancy sens
YES C405.2.3 Manua	lighting applied nual controls Indicate	ng controls) on plans for all spaces and ng zone(s) served; indicate exceptions ed to eligible spaces and light ate on plans the method of manual ng control, location of manual control		NA	C405.2.1.5	Occupant sensor controls - corridors	Indicate corridor lighting is provided with occupancy sensor controls that reduce lighting power by not less than 50% when the corridor is unoccupied.		NA	-		of automatic off controls (occupanc For display case lighting fixtures, indicate on plans the separate manual controls for these fixtures and the type of automatic off controls		NA	cor	vanced lighting atrols in open ice areas	For open office areas ≥ 5,000 sf, indicate which advanced lighting control system is provided (luminaire level lighting controls or networked lighting controls).
	device a serves. nual interior light action controls device a serves. For gen occupar	the and the area or specific application it is. The second of the area or specific application it is. Entered lighting not controlled by pancy sensors, indicate on plans which od of manual 50% lighting load		YES	C405.2.2.1	Automatic time switch controls	Indicate spaces on plans where time switch controls are configured to turn luminaires 100% off during unoccupied hours Indicate spaces on plans where time switch E111, E112		NA	C405.2.6, Item 1.4	Supplemental task lighting	(occupancy sensor or time-switch) For supplemental task lighting fixtures including under-shelf or under-cabinet lighting, indicate on plans the separate manual controls for these fixtures and the type of		NA		minaire level nting controls LLC)	Where LLLC are provided to comply with C405.2.8, or provided as the alternate lighting controls compliance method per C405.2, or to comply with C406.2.4.2 Enhanced digital interior lighting controls; provide sequence of
	reduction exception thou of automatic t-off control reduction exception in the control reduction exception exception and the control reduction exception exception exception and the control reduction exception excepti	etion is provided, or indicate applicable ption. ate on plans the method of automatic off control during unoccupied periods E111, E112, E113		YES			controls are configured to turn on lighting to full power versus 50% power Indicate locations of override switches on plans and the lighting zone(s) served; indicate that the area(s) served by each override switch		NA			automatic off controls (occupancy sensor or time-switch) For lighting equipment for sale or demonstration, indicate on plans the separate manual controls for these fixtures and the type		NA	C405.2.8.3 ligh	minaire level nting controls LLC)	Indicate on plans that each LLLC luminaire is configured with occupancy sensing control functions (including C405.2.1.3 requirements for open office areas) and continuous full
NA C405.2.1 Occup	lighting cupant sensor Indicate controll indicate	apancy sensor or time switch) for all ing zones. ate on plans all luminaires that are olled by occupant sensor controls; ate controls are configured to turn		NA NA	C405.2.5.2 C405.2.5.4		does not exceed 5,000 sf. Indicate primary and secondary sidelit daylight zone floor areas on plans For small vertical fenestration assemblies		NA	-		of automatic off controls (occupancy sensor or time-switch) For exhibit lighting fixtures in galleries, museums and monuments, indicate on plans the separate manual controls for these fixtures		NA		0 0	range dimming controls to brighten or dim lights based on occupancy and availab Where NLC are provided to comply with C405.2.8, or to comply with C406.2.4.2 Enhanced digital interior lighting controls;
NA C405.2.1 Occup C405.2.1.1 control	unoccup cupant sensor Indicate trols configu	naires 100% off when the space is cupied ate if occupant sensor controls are gured to be manual on or automatic on to more than 50% power; indicate spaces					(rough opening less than 10% of primary daylight zone floor area) where daylight responsive controls are not required, provide fenestration area to daylight zone floor area calculation(s).		NA		lighting in sleeping	and the type of automatic off controls (occupancy sensor or time-switch). Indicate method of automatic off control of all installed luminaires in sleeping units		NA			provide sequence of operations that describes required NLC capabilities and performance parameters Indicate on plans that each NLC luminaire is
control	eligible to 100% cupant sensor Indicate library s	ole for exception that allows automatic on 0% power. ate each aisleway within a warehouse or ry stack space designated as a separate that is independently controlled		NA NA		Daylight responsive controls	Indicate toplit daylight zone floor areas on plans. Indicate on plans all lighting zone(s) served by daylight responsive controls; indicate that the area served by each control device does not				units	(vacancy or captive key card control); also refer to Receptacles.			C405.2.8.3 cor	ntrol (NLC)	individually addressable or document exception applied; Indicate on plans that each NLC luminaire is configured with occupancy sensing control functions (including C405.2.1.3 requirements for open office areas)
library	ary stacks	Page 1/13					exceed 2,500 SF Page 2/13					Page 3/13					Page 4/13
inhting Mater and E		quirements List, pg 5 of 13		Limbing	Mataran	vi Flootoico	Requirements List, pg 6 of 13		l imbáin a	Matara		I Requirements List, pg 7	of 42	Lighting	Motor and	Electrical	Requirements List, pg 8 of 13
			<u> </u>				Requirements List, pg 0 or 10			Motor ar		ritoquireillellis Elst, pg r					requirements and pg o or re
ne following information is necessary to ch ashington State Energy Code, Commercia	check a permit application for rcial Provisions.	up R2, R3 & R4 over 3 stories & all R1 Administered by ©2024 NEE in for compliance with the lighting systems, motors and electrical system	m requirements in the	The following info Washington State	ormation is necessa e Energy Code, Cor	ry to check a permit ap mmercial Provisions.	ing Group R2, R3 & R4 over 3 stories & all R1 Administered by ©2024 N plication for compliance with the lighting systems, motors and electrical systems	tem requirements in the	The following inform Washington State E	nation is necess Energy Code, Co	ary to check a permit ap mmercial Provisions.	ding Group R2, R3 & R4 over 3 stories & all R1 Application for compliance with the lighting systems, n	Administered by ©2024 NEEA, All rights reserved motors and electrical system requirements in the	The following info	ormation is necessary to e Energy Code, Comme	o check a permit app ercial Provisions.	ng Group R2, R3 & R4 over 3 stories & all R1 Administered by ©2024 NEEA, All rights reserved olication for compliance with the lighting systems, motors and electrical system requirements in the
e following information is necessary to ch ashington State Energy Code, Commercia r questions about this report, contact WSI	check a permit application for roial Provisions. VSEC Commercial Technical the end trim Where I	n for compliance with the lighting systems, motors and electrical system cal Support at 360-539-5300 or via email at com.techsupport@waenergere high end trim is required, luminaires	m requirements in the	The following info Washington State	ormation is necessa e Energy Code, Cor	ry to check a permit ap mmercial Provisions.	plication for compliance with the lighting systems, motors and electrical systems. Technical Support at 360-539-5300 or via email at com.techsupport@waen For outdoor parking area (not parking garage)	tem requirements in the	The following inform Washington State E	nation is necess Energy Code, Co	ary to check a permit ap mmercial Provisions.	pplication for compliance with the lighting systems, n I Technical Support at 360-539-5300 or via email at Identify spaces eligible for lighting power	Administered by ©2024 NEEA, All rights reserved motors and electrical system requirements in the	The following info	primation is necessary to be Energy Code, Comme cout this report, contact to C406.2.3.3	o check a permit appercial Provisions. WSEC Commercial 1 duced interior	Dication for compliance with the lighting systems, motors and electrical system requirements in the Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com To comply with reduced interior LPD
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For permanently installed lighting fixtures used specifically for plant growth and maintenance, indicate that the photosynthetic photon efficacy measured at the lamp or luminaire is ≥ 1.7 i/½/zmol/J in greenhouses and ≥ 1.9 i/½/zmol/J in all other indoo	tem requirements in the	The following inform Washington State E For questions about NA YES	nation is necessinergy Code, Cot this report, con C405.1.1	Lighting in dwelling units Interior lighting power allowance (LPA)	Identify spaces eligible for lighting power exemption on plans and in WSEC interior lighting compliance reports; indicate the exception applied Identify lighting equipment eligible for lighting power exemption in fixture schedule and in WSEC interior lighting power exemption in fixture schedule and in WSEC interior lighting compliance reports; indicate the exception applied. 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Indicate which interior LPA method is applied to the entire building (Building Area Method or Space-by-Space Method); indicate LPA applied is Space-by-Space Method for partial building projects and for buildings with unfinished spaces. •INDICATE COMPLIANCE PATH TAKEN Demonstrate that total proposed interior lighting wattage per building does not exceed the sum of the maximum allowed wattages for all building area types; identify locations of	Administered by ©2024 NEEA, All rights reserved motors and electrical system requirements in the com.techsupport@waenergycodes.com	The following info Washington State For questions about NA EXTERIOR LI NA NA NA NA	TABLE C405.5.3 C405.5.3 Exigro	check a permit appercial Provisions. 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For permanently installed lighting fixtures used specifically for plant growth and maintenance, indicate that the photosynthetic photon efficacy measured at the lamp or luminaire is ≥ 1.7 i¿/mol/J in all other indoo Indicate ignition system is a method other then continuously burning pilot light. EIRCUITS	tem requirements in the	The following inform Washington State E For questions about NA NA NA NA NA INTERIOR LIG NA	nation is necessinergy Code, Cot this report, con C405.1.1 C405.4.2 HTING POWE	Lighting in dwelling units Interior lighting power allowance (LPA) R CALCULATION - Building Area	Identify spaces eligible for lighting power exemption on plans and in WSEC interior lighting compliance reports; indicate the exception applied Identify lighting equipment eligible for lighting power exemption in fixture schedule and in WSEC interior lighting compliance reports; indicate the exception applied. 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Indicate which interior LPA method is applied to the entire building (Building Area Method or Space-by-Space Method); indicate LPA applied is Space-by-Space Method for partial building projects and for buildings with unfinished spaces. **INDICATE COMPLIANCE PATH TAKEN** Demonstrate that total proposed interior lighting wattage per building does not exceed the sum of the maximum allowed wattages for all building area on plans; provide WSEC interior lighting compliance reports. Demonstrate that total proposed interior lighting wattage does not exceed the maximum allowed wattage; identify locations of space types on plans, including additional allowance retail display areas and areas with display, highlight and decorative lightin DDITIONAL ENERGY EFFICIENCY MEASU To comply with the reduced interior LPD wattage is 10% or 20% lower than the total interior LPA wattage for the area the reduced	Administered by ©2024 NEEA, All rights reserved motors and electrical system requirements in the excom.techsupport@waenergycodes.com	The following info Washington State For questions about the formal state and the following info Washington State For questions about the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the following info Washington State For questions are provided in the fol	TABLE C405.5.2 To ext power C405.5.3 Ext pow (LI	check a permit appercial Provisions. WSEC Commercial To D - Dwelling & EFFICACY tal connected erior lighting wer allowance PA) CONS w lighting systems it controls controls	To comply with reduced interior LPD additional energy efficiency measure for a building with dwelling units or sleeping units, indicate in interior lighting fixture schedule that all permenantly installed luminaires have a rated lamp efficacy ≥ 90 lume Include all luminaires in exterior lighting fixture schedule that all permenantly installed luminaires have a rated lamp efficacy ≥ 90 lume Include all luminaires in exterior lighting fixture schedule; indicate fixture types, lamps, ballasts and rated watts per fixture; include rated wattage of lamps for luminaires with lamps connected directly to building power; include wattage limit of tran Identify exterior lighting applications eligible for lighting power exemption on plans and in WSEC exterior lighting compliance reports; indicate the exception applied. Indicate the building exterior lighting zone as specified by the AHJ. For building grounds lighting fixtures rated at greater than 25 watts, indicate in exterior lighting fixture schedule that fixtures have a rated lamp efficacy ≥ 100 lumens/watt or indicate the exception applied. Demonstrate that total proposed exterior surface lighting wattage does not exceed the maximum allowed wattage (including base site allowance): identify locations of exterior surfaces lighting wattage does not exceed the maximum allowed wattage (including base site allowance): identify locations of exterior surfaces on plans; provide WSEC exterior lighting compliance reports Demonstrate that total proposed wattage for each additional allowance exterior surface type (includes base site allowance exterior surface) type does not exceed the LPA for the surface type fincludes base site allowance remaining after C405.5.3 LPA calculation; identify locations of additional allowance exterior surface type fincludes base site allowance remaining of lighting fortorios (C408.4) and lighting systems are installed within an existing bluiding site, indicate new lighting fixture schedule in plans, provide same lighting fixture information as f

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Lighting, Motor and Electrical Requirements List, pg 3 of 13

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JTH MERIDIAN & AVE SE

4227 S MERIDIAN SUITE E PUYALLUP, WA 98373

PROJECT TYPE: CORP NEW

DCD: XX

8022

PROTOTYPE RELEASE: Q3 2024

11/26/2024

PRCTI20241902 11.11.2024

FUZION design@fuzionad.com (480) 463 - 4764 www.fuzionad.com

SUITE 103 SCOTTSDALE, AZ 85260

101 Nightlinger Lane Millsap, TX 76066 (817) 901-5191

DESCRIPTION DATE DATE: 11.11.2024 DRAWN BY: НО

ENERGY CALCULATIONS

City of Puyallup
Development & Permitting Services

ISSUED PERMIT

Building

Engineering

Planning

Public Works

Traffic

			al Requirements List, pg 9 of 13				Requirements List, pg 10				Requirements List, pg 1		
The following in	formation is necess		uding Group R2, R3 & R4 over 3 stories & all R1 Administered by ©2024 NEEA, All rights re- application for compliance with the lighting systems, motors and electrical system requirements in	in the The following	information is nece		ing Group R2, R3 & R4 over 3 stories & all R1 Ac plication for compliance with the lighting systems, mo			ssary to check a permit ap	ing Group R2, R3 & R4 over 3 stories & all R1 olication for compliance with the lighting systems,		
			al Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com				Technical Support at 360-539-5300 or via email at c	com.techsupport@waenergycodes.com			Technical Support at 360-539-5300 or via email a	t com.techsupport@wae	nergycodes.com
NA			For alterations that add or replace ≥ 20% of luminaires within an interior space or parking garage, indicate which interior lighting power	NA			Where new wiring is installed to serve new exterior luminaires and /or luminaires are relocated to a new circuit; indicate circuit		NA C405.2.6, Item 2	Switched receptacles in sleeping units	Indicate method of automatic off control of all switched receptacles in sleeping units (vacancy or key card control).		
			allowance (LPA) method is applied to the alteration project area (Space-by-Space Method for partial building alte				power area controls (C405.2.7) are provided; indicate commissioning of exterior lighting controls (C408.4) will be provided,		NA C405.7.1	Electric receptacles at dwelling unit gas appliances	In all designated appliance locations within dwelling units (kitchen cooking appliances, laundry and domestic water heating), indicate		
NA			Demonstrate that total proposed interior lighting wattage (including existing-to-remain lighting wattage) within the alteration project	YES	C503.7.4	Lighting panel alterations	Where a new interior and/or exterior lighting panel is installed or an existing panel is moved (including all new raceway and conductor	E111, E301		appnances	electric receptacles or junction box & circuit within 12 inches of the appliance location with sufficient capacity to se		
			area does not exceed the maximum allowed wattage (Space-by-Space Method) or the sum of the maximum allowed wattages for				wiring), indicate all of the same interior lighting controls requirements as for wiring & circuiting alterations apply,		NA C503.7.7	Electrical receptacle alerations	For alteration project areas ≥ 5,000 sf where electric receptacles are added or replaced, indicate receptacles are provided with		
YES	C503.7.2	Interior lighting alterations (LPA) - Add/replace	For alterations that add or replace < 20% of luminaires in an interior space or parking garage, calculate total existing interior lighting wattage within the project area prior to the	NA	C503.7.5	Newly-created rooms	Where interior space(s) are reconfigured (permanently installed walls or ceiling-height partitions) to create new enclosed spaces, indicate the following manual and automatic		ELECTRIC MOTORS		automatic controls per C405.10, or exception applied.		
YES	C503.7.2	Interior lighting alterations (LPD) -	alteration Demonstrate that total proposed interior lighting wattage (including existing-to-remain	NA	C504.2	Lighting repairs	lighting controls are provided (as applicable) - manual & light reduction (C405. Identify existing luminaires being upgraded		NA C405.8	Electric motor efficiency	Include all motors, including fractional hp motors, in electric motor schedule on electrical plans; indicate motor type,		
		Add/replace	lighting wattage) within the alteration project area does not exceed the total existing interior lighting wattage prior to the alteration;		650112	Eighting repairs	with bulb and / or ballast replacement; indicate fixture alteration does not increase existing fixture wattage		ELEVATORS, ESCALATOR	RS & MOVING WALKS	horsepower, rpm, rated efficiency, or exception applied.		
NA			provide WSEC interior lighti Include all new luminaires in exterior lighting	NA	C505.1	Change of interior space use	Identify spaces on plans where the building area type or space use type is being changed		NA C405.9.1	Elevator cabs	For luminaires in each elevator cab, provide		
			fixture schedule in plans, provide same lighting fixture information as for new construction per C405.5.2				from one type to another per Tables C405.4.2(1) or (2) including additional allowance retail display areas and areas with		NA		calculations that demonstrate average efficacy is not less than 35 lumens per watt For elevators that do not have an integral air		
NA	C503.7.2	Exterior lighting alterations (LPA) - Add/replace ≥	For alterations that add or replace ≥ 20% of exterior lighting wattage, indicate exterior lighting power allowance (LPA) calculated in	NA			Demonstrate that total proposed interior lighting wattage (including existing-to-remain				conditioning system, indicate rated watts per cfm for elevator cab ventilation fans do not exceed 0.33 watts per cfm		
NA	C503.7.2	Exterior lighting alterations (LPD) -	the same manner as for new construction Demonstrate that total proposed exterior lighting wattage (including existing-to-remain				lighting wattage) within the alteration project area does not exceed the maximum allowed wattage (Space-by-Space Method) or the sum of maximum allowed wattage per each		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.		
		Add/replace ≥ 20%	lighting wattage) does not exceed the maximum allowed wattage; identify locations of surface types on plans, including additional allowance surfaces; provide WSEC exte	RECEPTA NA	CLES C405.10	Automatic receptacle	1		NA C405.9.2	Escalators and moving walks	Indicate escalators and moving walks comply with ASME A17.1/CSA B44 and are provided with automatic controls that are configured to		
NA	C503.7.2	Exterior lighting alterations (LPA) - Add/replace	For alterations that add or replace < 20% of exterior lighting wattage, calculate total existing exterior lighting wattage prior to the			control	the number of controlled and uncontrolled receptacles in each space where controlled receptacles are required - classrooms, enclosed offices, conference rooms,				reduce operational speed to the minimum permitted when not in use, or exception applied.		
NA	C503.7.2	Exterior lighting alterations (LPD) -	alteration Demonstrate that total proposed exterior lighting wattage (including existing-to-remain	NA			copy/print rooms, break rooms and individual wo Identify all controlled and uncontrolled		NA C405.9.3	Escalator energy recovery	Indicate escalators are designed to recover electrical energy when resisting overspeed in the down direction.		
		Add/replace	lighting wattage) does not exceed the total existing exterior lighting wattage prior to the				receptacles on electrical plans; indicate that ≥ 50% of all receptacles are provided with		RENEWABLE ENERGY		T		
			alteration; identify locations of surface types on plans, including additio				automatic controls in each space where they are required; include receptacle configuration		NA C411	Renewable Energy	For new construction, including additions, change of use, and change of occupancy, with		
YES	C503.7.3	Interior lighting	Where new wiring is installed to serve new interior luminaires and /or luminaires are	NA			such as spacing between contro				floor area ≥ 10000sf; provide documentation of on-site renewable energy capacity; provide		
		wiring & circuiting alterations	relocated to a new circuit; indicate manual and automatic lighting controls are provided	INA			Indicate on plans the method of automatic control for each controlled receptacle zone (occupant sensor or programmable time-of-				calculations supporting applicable exceptions; if qualifying by exception provide an accounting for the additional Additional		
			(as applicable) - manual & light reduction (C405.2.3 & C405.2.4); occupancy sens				day control); indicate that the area served by each control device does not exceed 5,000 sf.				Energy Efficiency Credits that will be required		
			Page 9/13				Page 10/13				Page 11/13		
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			al Requirements List, pg 12 of 13				Requirements List, pg 13						
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JTH MERIDIAN & AVE SE

4227 S MERIDIAN SUITE E
PUYALLUP, WA 98373

PROJECT TYPE: CORP NEW

DCD: XX

PROTOTYPE RELEASE: Q3 2024



FUZION SUITE 103 SCOTTSDALE, AZ 85260



101 Nightlinger Lane Millsap, TX 76066 (817) 901-5191

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DATE:		11.11.202
DRAWN BY:		HC

ENERGY CALCULATIONS