#### LIGHTING COMPLIANCE SUMMARY

	]	Project	Title	0	GHS Baker N	lorth Design & Rem	nodel - 2018 WSE	2	For Building Depa	rtment	Use:		Date:	Oct 12, 202
		Project	Address			375 SW 11th S							Date.	00012,202
Project & Applicant	_	Ū				Chehalis, WA 985			-					
nformation	-	A A	ant Name			Jacob Young			_					
		~ ~	ant Phone			206-859-5349			_					
		_ <u> </u>	ant Email	t, contact WS		Jacob.Young@harg		)0 or via em	ail at com.techsupp	ort@wa	energycode	s.com		
2 10														20.014
General Occupancy			All Commerci		General B	uilding Use Type		Public Ser	vices, Prison/Correc		0	nd. Floor Area		20,014
		Buildin		Building or	Inter	rior Lighting	Alteration	т			,	d. Floor Area		20,014
General Project Types		Alt	teration Light	ting Scope	Exte	rior Lighting	Lighting Scope	11	nterior Lighting	_	loors Abov		Constitution	l Mathad L. Carr
iahtina Dusiaat Dasanintian			Light	0 1	Trantallation -	-f			etrofit of existing fl		Compliance		Compliand	ce Method 1 - Gene
Jighting Project Description					Installation of	of new LED fixtures	s in the building ac	idition and i	etrofit of existing fi	ouresce	nt fixtures v	vith LED kits.		
	Project Typ	e	Interio (Interior includes	or / Exterior both interior &		Luminaire Rep	lacement Scope	Compli	iance Method		LPA Cal Adjus	tment		pliance Verificati
Lighting Compliance Scope and Method	Alteration		Interi	ior Lighting		50% or mo	ore replaced	Spac		No Calculation Adjustments allowed			COMPLIES	
and mittingu	Building Addit	tion	Interi	ior Lighting				Spac	ce by space			justments selected		COMPLIES
	Building Addit	tion	Exter	ior Lighting						N	ot applicab	le to exterior		COMPLIES
Additional Efficiency Options Included														
Project Title GHS	8 Baker North	Desig	n & Remodel -	- 2018 WS	EC							Date	e Oct 1	2, 2022
Ŭ						G (50% or mor	e replaced)				Co	Date ompliance Veri	_	
Project Title GHS Lighting Power Calculation Compliance Method			RATION - IN			G (50% or mor	e replaced) LPA Calculation	n Adjustm	ent		Co		_	
Lighting Power Calculation			CRATION - IN Space	TERIOR I	LIGHTIN	G (50% or mor Lighting Power A	LPA Calculatio	J				ompliance Veri	fication (	COMPLIES
Lighting Power Calculation Compliance Method General Space Type		ALTE	CRATION - IN Space	TERIOR I	LIGHTIN	Lighting Power A terior Area (SF)	LPA Calculation	y Space	Total Watts Allo (SF x LPA x 1		Tota		fication (	COMPLIES none
Lighting Power Calculation Compliance Method General Space Type Electrical/mechanical	D <b>n</b>	ALTE	CRATION - IN Space	TERIOR I e by space eiling	LIGHTIN	• Lighting Power A terior Area (SF) 50	LPA Calculatio	y Space	Total Watts Allo (SF x LPA x 22		Tota	ompliance Veri al Proposed Watt	fication (	COMPLIES
Compliance Method Compliance Method Compliance Intervention General Space Type Electrical/mechanical Laundry/washing area	on /	ALTE	CRATION - IN Space	TERIOR I e by space eiling	LIGHTIN	Lighting Power A terior Area (SF) 50 129	LPA Calculation Ilowance - Space LPA (Watt 0.43 0.53	y Space	Total Watts Allo (SF x LPA x 2 22 68		Tota	ompliance Veri al Proposed Watt	fication (	COMPLIES none
Lighting Power Calculation         Compliance Method         General Space Type         Electrical/mechanical         Laundry/washing area         Lounge/breakroom	on / Specific Sp Gene	ALTE pace Typeral	CRATION - IN Space pe Co Heig	TERIOR I e by space eiling	LIGHTIN	Lighting Power A terior Area (SF) 50 129 156	LPA Calculation Ilowance - Space LPA (Watt 0.43 0.53 0.59	y Space	Total Watts Allo (SF x LPA x 22 68 92		Tota	ompliance Veri al Proposed Watt	fication (	COMPLIES none
Compliance Method         Compliance Method         General Space Type         Electrical/mechanical         Laundry/washing area         Lounge/breakroom         Office	on / Specific Sp Gene Enclosed less	ALTE pace Ty eral s than 25	CRATION - IN Space pe C. Heiş 50 sf	TERIOR I e by space eiling	LIGHTIN	Lighting Power A           terior Area (SF)           50           129           156           100	LPA Calculation Ilowance - Space LPA (Wat 0.43 0.53 0.59 0.74	y Space	Total Watts Allo (SF x LPA x 22 68 92 74		Tota	ompliance Veri al Proposed Watt	fication (	COMPLIES none
Lighting Power Calculation Compliance Method General Space Type Electrical/mechanical Laundry/washing area Lounge/breakroom Office Office	Specific Sp Gene Enclosed less Enclosed less	ALTE pace Typeral eral than 25 than 25	CRATION - IN Space pe C. Heig 50 sf 50 sf	TERIOR I e by space eiling	LIGHTIN	Lighting Power A           terior Area (SF)           50           129           156           100           100	LPA Calculation Ilowance - Space LPA (Wat 0.43 0.53 0.59 0.74 0.74	y Space	<b>Total Watts Allo (SF x LPA x</b> 22 68 92 74 74 74		Tota	ompliance Veri al Proposed Watt	fication (	COMPLIES none
Lighting Power Calculation Compliance Method General Space Type Electrical/mechanical Laundry/washing area Lounge/breakroom Office Office Office	Specific Sp Gene Enclosed less Enclosed less Enclosed less Enclosed less	ALTE pace Type eral than 25 than 25 than 25	CRATION - IN Space pe C. Heig 50 sf 50 sf 50 sf	TERIOR I e by space eiling	LIGHTIN	Lighting Power A           terior Area (SF)           50           129           156           100           100           100	LPA Calculation Ilowance - Space LPA (Wat 0.43 0.53 0.59 0.74 0.74 0.74	y Space	<b>Total Watts Allo (SF x LPA x 1)</b> 68 92 74 74 74 74		Tota	ompliance Veri al Proposed Watt	fication (	COMPLIES none
Lighting Power Calculation Compliance Method General Space Type Electrical/mechanical Laundry/washing area Lounge/breakroom Office Office Office Office	Specific Sp Gene Enclosed less Enclosed less Enclosed less Enclosed less Enclosed less	ALTE pace Type eral a than 25 a than 25 a than 25 a than 25 a than 25	CRATION - IN Space pe C. Heig 50 sf 50 sf 50 sf	TERIOR I e by space eiling	LIGHTIN	Lighting Power A           terior Area (SF)           50           129           156           100           100           100           100           100	LPA Calculation Ilowance - Space LPA (Wat 0.43 0.53 0.59 0.74 0.74 0.74 0.74 0.74	y Space	Total Watts Allo           (SF x LPA x)           22           68           92           74           74           74           74           74           74		Tota	ompliance Veri al Proposed Watt	fication (	COMPLIES none
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Lighting Power Calculation Compliance Method General Space Type Electrical/mechanical Laundry/washing area Lounge/breakroom Office Office Office Office Office Coffice Restroom Restroom Restroom Restroom Restroom Restroom Storage room	Specific Sp Gene Enclosed less Enclosed less Enclosed less Enclosed less Gene Gene Gene Gene Gene	ALTE pace Type eral than 25 than 25 than 25 than 25 than 25 eral eral eral eral eral eral eral eral	CRATION - IN           Space           pe         C.           50 sf         -           -         -           -         -           -         -	TERIOR I e by space eiling	LIGHTIN	Lighting Power A terior Area (SF) 50 129 156 100 100 100 100 83 55 66 65 80 130	LPA Calculation Ilowance - Space LPA (Wat 0.43 0.53 0.59 0.74 0.74 0.74 0.74 0.74 0.74 0.63 0.63 0.63 0.63 0.63 0.63 0.63 0.63	y Space	Total Watts Allo           (SF x LPA x)           22           68           92           74           74           74           52           35           42           41           50           49		Tota	ompliance Veri al Proposed Watt	fication (	COMPLIES none
Lighting Power Calculation Compliance Method General Space Type Electrical/mechanical Laundry/washing area Lounge/breakroom Office Office Office Office Office Office Restroom Restroom Restroom Restroom Restroom Restroom Storage room Storage room	Specific Sp Gene Enclosed less Enclosed less Enclosed less Enclosed less Gene Gene Gene Gene Gene Gene	ALTE pace Type eral than 25 than 25 than 25 than 25 eral eral eral eral eral eral eral eral	CRATION - IN           Space           pe         C.           50 sf         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -	TERIOR I e by space eiling	LIGHTIN	Lighting Power A terior Area (SF) 50 129 156 100 100 100 100 83 55 66 65 80 130 13	LPA Calculation Ilowance - Space LPA (Wat 0.43 0.53 0.59 0.74 0.74 0.74 0.74 0.74 0.74 0.63 0.63 0.63 0.63 0.63 0.63 0.63 0.51	y Space	Total Watts Allo           (SF x LPA x)           22           68           92           74           74           74           52           35           42           41           50           49           7		Tota	ompliance Veri al Proposed Watt	fication (	COMPLIES none
Lighting Power Calculation Compliance Method General Space Type Electrical/mechanical Laundry/washing area Lounge/breakroom Office Office Office Office Office Office Restroom Restroom Restroom Restroom Restroom Storage room Storage room	Specific Sp Gene Enclosed less Enclosed less Enclosed less Enclosed less Gene Gene Gene Gene Gene Gene Gene G	ALTE pace Type eral than 25 than 25 than 25 than 25 than 25 eral eral eral eral eral eral eral eral	CRATION - IN           Space           pe         C.           50 sf         -           -	TERIOR I e by space eiling	LIGHTIN	Lighting Power A terior Area (SF) 50 129 156 100 100 100 100 83 55 66 65 80 130 13 6	LPA Calculation Ilowance - Space LPA (Wat 0.43 0.53 0.59 0.74 0.74 0.74 0.74 0.74 0.74 0.63 0.63 0.63 0.63 0.63 0.63 0.63 0.63 0.51	y Space	Total Watts Allo           (SF x LPA x)           22           68           92           74           74           74           52           35           42           41           50           49           7           3		Tota	ompliance Veri al Proposed Watt	fication (	COMPLIES none
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Lighting Power Calculation Compliance Method General Space Type Electrical/mechanical Laundry/washing area Lounge/breakroom Office Office Office Office Office Office Restroom Restroom Restroom Restroom Restroom Storage room Storage room	Specific Sp Gene Enclosed less Enclosed less Enclosed less Enclosed less Gene Gene Gene Gene Gene Gene Gene G	ALTE pace Type eral than 25 than 25 than 25 than 25 than 25 eral eral eral eral eral eral eral eral	Space           Space           pe         C.           50 sf         -           -         - </td <td>TERIOR I e by space eiling</td> <td>LIGHTIN</td> <td>Lighting Power A terior Area (SF) 50 129 156 100 100 100 100 83 55 66 65 80 130 13 6</td> <td>LPA Calculation Ilowance - Space LPA (Wat 0.43 0.53 0.59 0.74 0.74 0.74 0.74 0.74 0.74 0.63 0.63 0.63 0.63 0.63 0.63 0.63 0.63 0.51</td> <td>y Space</td> <td>Total Watts Allo           (SF x LPA x)           22           68           92           74           74           74           52           35           42           41           50           49           7           3</td> <td></td> <td>Tota</td> <td>ompliance Veri al Proposed Watt</td> <td>fication (</td> <td>COMPLIES none</td>	TERIOR I e by space eiling	LIGHTIN	Lighting Power A terior Area (SF) 50 129 156 100 100 100 100 83 55 66 65 80 130 13 6	LPA Calculation Ilowance - Space LPA (Wat 0.43 0.53 0.59 0.74 0.74 0.74 0.74 0.74 0.74 0.63 0.63 0.63 0.63 0.63 0.63 0.63 0.63 0.51	y Space	Total Watts Allo           (SF x LPA x)           22           68           92           74           74           74           52           35           42           41           50           49           7           3		Tota	ompliance Veri al Proposed Watt	fication (	COMPLIES none

Storage room	50-100 sf	56	0.38	21		
Storage room	50-100 sf	64	0.38	24		
Penitentiary	Classroom/lecture/training	1,352	0.89	1,203		
Penitentiary	Confinement cell	71	0.70	50		
Penitentiary	Confinement cell	100	0.70	70		
Penitentiary	Confinement cell	71	0.70	50		
Penitentiary	Confinement cell	100	0.70	70		
Penitentiary	Confinement cell	71	0.70	50		
Penitentiary	Confinement cell	71	0.70	50		
Penitentiary	Confinement cell	100	0.70	70		
Penitentiary	Confinement cell	71	0.70	50		
Penitentiary	Confinement cell	71	0.70	50		
Penitentiary	Confinement cell	100	0.70	70		
Penitentiary	Confinement cell	71	0.70	50		
Penitentiary	Confinement cell	100	0.70	70		
Penitentiary	Confinement cell	71	0.70	50		
Penitentiary	Confinement cell	100	0.70	70		
Penitentiary	Confinement cell	71	0.70	50		
Penitentiary	Classroom/lecture/training	1,721	0.89	1,532		
			Proposed Total LPD		3831.6	
	Totals			4,441	3,831	COMPLIES

			Proposed Lighting Power Densi	ity		
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						
Troffer	R1	51	51			2,601
Troffer	R2	18	57			1,017
Recessed downlight	D1	12	14			166
Suspended	S1	3	16			48
					Proposed Total LPD	3831.6

Project Title GHS Baker No	rth Design & Remod	el - 2018 WSEC				Date	Oct 12, 2022
Proposed Fixtures Details	ALTERATION -	INTERIOR LIGHTING (50% or more r	eplaced)				
Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type			New or ing-to-Rema	in
Individual Fixtures							
Troffer	R1	E2.01	LED			New	
	Fixture Description:			Are th	ese fixtures located within a dayligh	nt zone?:	
	Do these fixtures require s	pecific application lighting controls?:					
Troffer	R2	E2.01	LED			New	
	Fixture Description:			Are th	ese fixtures located within a dayligh	nt zone?:	
	Do these fixtures require s	pecific application lighting controls?:					
Recessed downlight	D1	E2.01	LED			New	
	Fixture Description:			Are th	ese fixtures located within a dayligh	nt zone?:	
	Do these fixtures require s	pecific application lighting controls?:					
Suspended	S1	E2.01	LED			New	
	Fixture Description:			Are th	ese fixtures located within a dayligh	nt zone?:	
	Do these fixtures require s	pecific application lighting controls?:					

Lighting Power Calculation	BUILDING ADDI	TION - INTE	<b>RIOR LIGI</b>	HTING					Complia	nce Verificatio	on COMPLIES
Compliance Method	Spa	ce by space		LPA	A Calculation A	Adjustmen	t				none
			Interior Lig	hting Power Allowar	nce - Snace by	Snace					
General Space Type	Specific Space Type	Ceiling Height (Ft)		terior Area (SF)	LPA (Wat	1	Total Watt (SF x L			Proposed Watts + Display LPD)	Compliance Statu
Conference/meeting/multipurpose				1,045	0.97		1,0	14			
Conference/meeting/multipurpose				436	0.97		42				
Storage room	Less than 50 sf			17	0.51		9				
	Totals				Proposed To	otal LPD	1,4	45		560.5 560	COMPLIES
					_		-,-				
			Pro	oposed Lighting Pow Watts or				T			Total Watts
Fixture Type	Fixture ID	Quant Fixture		Watts of Wattage Li per Fixtur (WpF)	imit		Linear t (LF)		Vatts per Li Foot (WpI		Proposed (#F x WpF) or (LF x WpLF)
ndividual Fixtures											
Direct / indirect penda		6		34							202
Trof		8		20							159
Recessed downlig		9		14							124
Under-cabi	net U1	3		25						osed Total LPD	76 560.5
	th Design & Remodel			HTING					11000	Date	Oct 12, 2022
Proposed Fixtures Details	BUILDING ADDI	TION - INTE	RIOR LIGI			T				Date	
Proposed Fixtures Details Fixture Type/Application		TION - INTE			Lamp	Туре					Oct 12, 2022
Proposed Fixtures Details Fixture Type/Application ndividual Fixtures	BUILDING ADDI	TION - INTE	RIOR LIGI							Date New or Existing-to-Rema	Oct 12, 2022
Proposed Fixtures Details Fixture Type/Application ndividual Fixtures Direct / indirect pendant	BUILDING ADDI Fixture ID P1	TION - INTE	RIOR LIGI		Lamp LEI		Are these f	xtures located		Date New or Existing-to-Rema New	Oct 12, 2022
Proposed Fixtures Details Fixture Type/Application ndividual Fixtures Direct / indirect pendant	BUILDING ADDI Fixture ID P1 Fixture Description:	TION - INTE	RIOR LIGI ation in Docur E2.01	ments			Are these f	xtures located		Date New or Existing-to-Rema New	Oct 12, 2022
Proposed Fixtures Details Fixture Type/Application ndividual Fixtures Direct / indirect pendant	BUILDING ADDI Fixture ID P1	TION - INTE	RIOR LIGI ation in Docur E2.01	ments		D	Are these f	xtures located		Date New or Existing-to-Rema New	Oct 12, 2022
Proposed Fixtures Details Fixture Type/Application ndividual Fixtures Direct / indirect pendant Troffer	BUILDING ADDI         Fixture ID         P1         Fixture Description:         Do these fixtures require specification         G1         Fixture Description:	TION - INTE Loc ecific application	RIOR LIGI ation in Docur E2.01 lighting contro E2.01	ments	LEI	D		xtures located	l within a da	Date New or Existing-to-Rema New aylight zone?: New	Oct 12, 2022
Proposed Fixtures Details Fixture Type/Application ndividual Fixtures Direct / indirect pendant Troffer	BUILDING ADDI         Fixture ID         P1         Fixture Description:         Do these fixtures require sping         G1         Fixture Description:         Do these fixtures require sping         G1         Fixture Description:         Do these fixtures require sping         G1         Fixture Description:         Do these fixtures require sping	TION - INTE Loc ecific application	RIOR LIGI ation in Docum E2.01 lighting contro E2.01 lighting contro	ments	LEI	D			l within a da	Date New or Existing-to-Rema New aylight zone?: New aylight zone?:	Oct 12, 2022
Proposed Fixtures Details Fixture Type/Application ndividual Fixtures Direct / indirect pendant Troffer Recessed downlight	BUILDING ADDI'         Fixture ID       P1         Fixture Description:       Do these fixtures require sping         G1       Fixture Description:         Do these fixtures require sping       D1	TION - INTE Loc ecific application	RIOR LIGI ation in Docur E2.01 lighting contro E2.01	ments	LEI	D	Are these f	xtures located	within a da	Date New or Existing-to-Rema New aylight zone?: New aylight zone?: New	Oct 12, 2022
Proposed Fixtures Details Fixture Type/Application ndividual Fixtures Direct / indirect pendant Troffer Recessed downlight	BUILDING ADDI'         Fixture ID       P1         Fixture Description:       0         Do these fixtures require sping       61         Fixture Description:       0         Do these fixtures require sping       01         Fixture Description:       01         Fixture Description:       01	TION - INTE Loc ecific application ecific application	RIOR LIGI ation in Docum E2.01 lighting contro E2.01 lighting contro E2.01	ments	LEI	D	Are these f		within a da	Date New or Existing-to-Rema New aylight zone?: New aylight zone?: New	Oct 12, 2022
Proposed Fixtures Details Fixture Type/Application ndividual Fixtures Direct / indirect pendant Troffer Recessed downlight	BUILDING ADDI'         Fixture ID       P1         Fixture Description:       P1         Do these fixtures require spinal       G1         Fixture Description:       D0         Do these fixtures require spinal       Fixture Description:         Do these fixtures require spinal       D1         Fixture Description:       D0         D0 these fixtures require spinal       Fixture Description:         D0 these fixtures require spinal       Fixture Description:	TION - INTE Loc ecific application ecific application	RIOR LIGI ation in Docum E2.01 lighting contro E2.01 lighting contro E2.01 lighting contro	ments	LEI	D D D	Are these f	xtures located	within a da	Date New or Existing-to-Rema New aylight zone?: New aylight zone?: New aylight zone?:	Oct 12, 2022
Proposed Fixtures Details Fixture Type/Application ndividual Fixtures Direct / indirect pendant Troffer Troffer Recessed downlight Under-cabinet	BUILDING ADDI'         Fixture ID       Fixture ID         P1       Fixture Description:         Do these fixtures require spinal       G1         Fixture Description:       D0         Do these fixtures require spinal       Fixture Description:         Do these fixtures require spinal       D1         Fixture Description:       D0         D0 these fixtures require spinal       D1         Fixture Description:       D0         D0 these fixtures require spinal       D1         D1       Fixture Description:         D0 these fixtures require spinal       D1         D1       Fixture Description:         D0 these fixtures require spinal       D1         D1       Fixture Description:         D0 these fixtures require spinal       D1         D0 these fixtures require spinal       D1         D1       Fixture Description:         D0 these fixtures require spinal       D1         D1       Fixture Description:         D0       Fixtures require spinal         U1       Fixture Description:	TION - INTE Loc ecific application ecific application	RIOR LIGI ation in Docum E2.01 lighting contro E2.01 lighting contro E2.01	ments	LEI	D D D	Are these f	xtures located xtures located	within a da within a da within a da	Date New or Existing-to-Rema New aylight zone?: New aylight zone?: New aylight zone?: New aylight zone?:	Oct 12, 2022
Proposed Fixtures Details Fixture Type/Application ndividual Fixtures Direct / indirect pendant Troffer Troffer Recessed downlight Under-cabinet	BUILDING ADDI'         Fixture ID       P1         Fixture Description:       P1         Do these fixtures require spinal       G1         Fixture Description:       D0         Do these fixtures require spinal       Fixture Description:         Do these fixtures require spinal       D1         Fixture Description:       D0         D0 these fixtures require spinal       Fixture Description:         D0 these fixtures require spinal       Fixture Description:	TION - INTE Loc ecific application ecific application ecific application	RIOR LIGI ation in Docum E2.01 lighting contro E2.01 lighting contro E2.01 lighting contro E2.01	ments	LEI	D D D	Are these f	xtures located	within a da within a da within a da	Date New or Existing-to-Rema New aylight zone?: New aylight zone?: New aylight zone?: New aylight zone?:	Oct 12, 2022
Proposed Fixtures Details Fixture Type/Application ndividual Fixtures Direct / indirect pendant Troffer Troffer Recessed downlight Under-cabinet	BUILDING ADDI'         Fixture ID       P1         Fixture Description:       P1         Do these fixtures require spiding       G1         Fixture Description:       D0         Do these fixtures require spiding       D1         Fixture Description:       D0         Do these fixtures require spiding       D1         Fixture Description:       D0         Do these fixtures require spiding       D1         Fixture Description:       D0         Fixture Description:       D1         Fixture Description:       D1	TION - INTE Loc ecific application ecific application ecific application	RIOR LIGI ation in Docum E2.01 lighting contro E2.01 lighting contro E2.01 lighting contro E2.01	ments	LEI	D D D	Are these f	xtures located xtures located	within a da within a da within a da	Date New or Existing-to-Rema New aylight zone?: New aylight zone?: New aylight zone?: New aylight zone?:	Oct 12, 2022
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Proposed Fixtures Details Fixture Type/Application ndividual Fixtures Direct / indirect pendant Troffer Troffer Recessed downlight Under-cabinet Project Title GHS Baker Nor	BUILDING ADDI'         Fixture ID         P1         Fixture Description:         Do these fixtures require spinal         G1         Fixture Description:         Do these fixtures require spinal         Fixture Description:         Do these fixtures require spinal         Fixture Description:         Do these fixtures require spinal         U1         Fixture Description:         Do these fixtures require spinal         U1         Fixture Description:         Do these fixtures require spinal	TION - INTE Loc ecific application ecific application ecific application ecific application 1 - 2018 WSE(	RIOR LIGI ation in Docum E2.01 lighting contro E2.01 lighting contro E2.01 lighting contro E2.01 lighting contro C	ments	LEI	D D D	Are these f	xtures located xtures located xtures located	within a dat within a dat within a dat	Date New or Existing-to-Rema New aylight zone?: New aylight zone?: New aylight zone?: New aylight zone?: Date	Oct 12, 2022 in Oct 12, 2022
Proposed Fixtures Details  Fixture Type/Application  ndividual Fixtures  Direct / indirect pendant  Troffer  Troffer  Recessed downlight Under-cabinet  Project Title GHS Baker Nor  Lighting Power Calculation	BUILDING ADDI'         Fixture ID         P1         Fixture Description:         Do these fixtures require spinal         G1         Fixture Description:         Do these fixtures require spinal         Fixture Description:         Do these fixtures require spinal         Fixture Description:         Do these fixtures require spinal         U1         Fixture Description:         Do these fixtures require spinal         U1         Fixture Description:         Do these fixtures require spinal	TION - INTE Loc ecific application ecific application ecific application ecific application 1 - 2018 WSE(	RIOR LIGI ation in Docum E2.01 lighting contro E2.01 lighting contro E2.01 lighting contro E2.01 lighting contro C RIOR LIG	ments	LEI	D D D D	Are these f	xtures located xtures located xtures located	within a dat within a dat within a dat	Date New or Existing-to-Rema New aylight zone?: New aylight zone?: New aylight zone?: New aylight zone?: Date	Oct 12, 2022 in Oct 12, 2022 Oct 12, 2022 on COMPLIES

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 grounds	Plaza areas	1,872	0.11			206		
				В	ase Site Allowance	500		
					Totals	706	320	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									
Canopy	E1	Building grounds - Plaza areas	8	40			320		
						Tradable Proposed Total	320		

					Remaini	ng Base Site Allowance	Watts	3	85.90
				Exterior N	on-Tradable Lighting Po	wer Allowance			
Non-Tradable Surface	Non-Tradable Surface Sub-Type	Surface Area (SF)	LPA (Watts/SF)	# of Items	LPA (Watts per # of items)	Total Watts Allowed (LPA x SF) or (LPA x # of Items)	Total Non-Tradable Proposed Watts by Surface Type	Non-Tradable Proposed Watts Exceeding LPA	Non-Tradable Compliance Status
Guarded facilities	Entrances, covered	250	0.50			125	84		
	Total Proposed Watts Exceeding LPA 0								
						Remaini	ng Base Site Allowance	386	COMPLIES

	Proposed Non-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 Fixture								
Canop	E2	Guarded facilities - Entrances, covered	3	28			84	

Project Title GHS B	aker North Design & Remod	lel - 2018 WSEC			Date Oct 12, 2022	
Proposed Fixtures Details     BUILDING ADDITION - EXTERIOR LIGHTING						
Fixture Type	Fixture ID	Location in Documents	Lamp Type	Tradable Surface Type	New or Existing-to-Remain	
Individual Fixtures						
Canopy	E1	E1.01	LED	Building grounds - Plaza area	s New	
	Fixture Description:			Do these fixtures require specifi	c exterior lighting controls?:	
Fixture Type	Fixture ID	Location in Documents	Lamp Type	Non-Tradable Surface Type	New or Existing-to-Remain	
Individual Fixture						
Canopy	Guarded facilities - Entrances covered	, New				
	Do these fixtures require specific ex	terior lighting controls?:				

#### 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 ©2022 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

Project: GHS Baker North Design & Remodel - 2018 WSEC 375 SW 11th St Chehalis, WA 98532

Date: 2022-10-12

Applies	Code Section	Component	Compliance Information Required In Permit Documentation	Location in Documents	Building Department Notes
LIGHTING	SCOPE	1	1		
	C103.1	Construction documents - General	For a shell & core or tenant space (first build- out) project, indicate if there is no lighting scope included in the project.		
YES	C103.1	Construction documents - General	For an alteration project, indicate if there is no lighting scope included in the project.	E2.01	
LIGHTING	CONTROLS				
YES	C405.2	Lighting controls, general	For all lighting fixtures, indicate lighting control method on plans for spaces and lighting zone(s) served, or exception taken	E1.01 & E2.01A	
NA	C405.2, Option 2	Luminaire level lighting controls (LLLC)	Indicate on plans all fixtures provided with LLLC in lieu of C405.2 lighting controls; provide description of control capabilities and performance parameters		
YES	C405.2.5, Item 3 C405.2.1.1 C405.2.3.1	Lighting in dwelling units (dormitory, hotel and all other than multifamily)	Indicate method of automatic control of all installed luminaires in dwelling units in buildings other than multifamily (occupancy or light reduction controls)	E2.01A	
NA	C405.2.5, Item 2	Lighting in sleeping units	Indicate method of automatic off control of all installed luminaires in sleeping units (vacancy or key card control); also refer to Receptacles		
YES	C405.2.3 C405.2.3.1 C405.2.5	Manual controls	Indicate on plans the method of manual lighting control, location of manual control device and the area or specific application it serves	E2.01, E2.01A	
YES	C405.2.3.1 C405.2.1.1 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	E2.01, E2.01A	
YES	C405.2.1 C405.2.2.1 C405.2.1, Exception 3	Method of automatic shut-off control	Indicate on plans the method of automatic shut-off control during unoccupied periods (occupancy sensor, time switch or digital timer switch) for all lighting zones	E2.01A	
YES	C405.2.1	Occupant sensor controls	Indicate on plans all luminaires that are controlled by occupant sensor controls; indicate controls are configured to turn luminaires 100% off when the space is unoccupied	E2.01A	
YES	C405.2.1 C405.2.1.1	Occupant sensor controls	Indicate if occupant sensor controls are configured to be manual on or automatic on to not more than 50% power; indicate spaces eligible for exception that allows automatic on to 100% power	E2.01A	

#### Lighting, Motor and Electrical Requirements List, pg 2 of 10

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 -- Administered by ©2022 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.

NA	C405.2.1.2	Occupant sensor controls - warehouses spaces	Indicate each aisleway and corridor within a warehouse space are designated as separate zones that are independently controlled		
NA		spaces	Indicate occupant sensors are configured to automatically reduce lighting power by 50% when the zone is unoccupied and 100% off after 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 occupied		
NA	C405.2.1.3	Occupant sensor controls - open plan office areas	For open plan office areas larger than 300 sf, indicate general lighting is provided with vacancy controls that reduce lighting power by not less than 80% and are configured to turn luminaires 100% off when the space is unoccupied; indicate that no individual control zone area exceeds 600 sf		
NA	C405.2.1.4	Occupant sensor controls - parking garages	Indicate parking garage general lighting is provided with vacancy controls that reduce lighting power by not less than 30% and are configured to turn luminaires 100% off when no vehicles or pedestrians are present, unless eligible for an exception; indicate that no individual control zone area exceeds 3,600 sf		
NA	C405.2.1.5	Occupant sensor controls - enclosed 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 switch controls	Indicate spaces on plans where time switch controls turn luminaires 100% off during unoccupied hours	E2.01A	
YES			Indicate spaces on plans where time switch controls are configured to turn on lighting to full power versus 50% power	E2.01A	
YES			Indicate locations of override switches on plans and the lighting zone(s) served; indicate that the area(s) served by each override switch does not exceeds 5,000 sf	E2.01, E2.01A	
NA	C405.2.1, Exception 3	Digital timer switch	Indicate digital timer switch control includes: manual on/off, time delay, audible and visual indication of impending time-out		
YES	C405.2.4.2 C405.2.4.3	Daylight zones - Sidelit and toplit	Indicate primary and secondary sidelit daylight zone floor areas on plans	E2.01A	
NA			Indicate toplit daylight zone floor areas on plans		
NA			For small vertical fenestration assemblies (rough opening less than 10 percent of primary daylight zone floor area) where daylight responsive controls are not required, provide fenestration area to daylight zone floor area calculation(s)		

#### Lighting, Motor and Electrical Requirements List, pg 3 of 10

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 -- Administered by ©2022 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.

YES	C405.2.4	Daylight responsive controls	Indicate on plans lighting zone(s) served by daylight responsive controls; indicate that the area served by each control device does not exceeds 2,500 sf	E2.01A	
YES			Identify sidelit and toplit daylight zones that are not provided with daylight sensing controls and the exception(s) that apply	E2.01A	
YES	C405.2.4.1.1	Daylight responsive controls	Indicate on plans the lighting load reduction method (continuous dimming, or stepped dimming that provides at least two even steps between 0%-100% of rated power)	E2.01A	
YES	C405.2.4.1	Daylight responsive controls	Indicate that daylight sensing controls are configured to completely shut off all controlled lights in the lighting zone	E2.01A	
NA	C405.2.5	Additional controls - Specific application lighting controls	Identify spaces and lighting fixtures on plans that require specific application lighting controls per this section		
NA	C405.2.5, Item 1	Display and accent lighting	Indicate on plans that manual controls are provided that control display, accent lighting and display case lighting independently from both general area lighting and other lighting applications within the same space		
NA			Indicate manual and automatic (occupant sensor or time switch) lighting control methods		
NA	C405.2.5, Item 3	Hotel/motel guest rooms	Indicate method of automatic control - vacancy or captive key control of all installed luminaires and switched receptacles in guest room		
NA	C405.2.5, Item 1	Supplemental task lighting	Indicate method and location of manual and automatic shut-off control (occupant sensor or time switch) for supplemental task lighting, including under-shelf or under-cabinet lighting		
NA	C405.2.5, Item 1	Lighting equipment for sale or demonstration	Indicate on plans that lighting equipment for sale or demonstration are controlled independently from both general area lighting and other lighting applications within the same space		
NA			Indicate manual and automatic (occupant sensor or time switch) lighting control methods		
NA	C405.2.5, Item 4	Lighting for non- visual applications	Identify all eligible non-visual lighting applications on plans; indicate that the area served by each control device does not exceeds 4,000 sf		
NA			Indicate on plans that non-visual lighting are controlled independently from both general area lighting and other lighting applications within the same space		

# Lighting, Motor and Electrical Requirements List, pg 4 of 10

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 -- Administered by ©2022 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.

NA			Indicate method of manual lighting control and applicable automatic lighting control		
YES	C405.2.5, Item 5	Means of egress lighting	Identify on plans egress fixtures that function as both normal and emergency means of egress illumination	E2.01	
YES			Provide calculation of lighting power density of total egress lighting	E10.01, E10.02	
NA			If total egress lighting power density is greater than 0.02 W/sq. ft., indicate on plans egress fixtures requiring automatic shut-off during unoccupied periods		
YES			Indicate method of automatic shut-off control	E2.01A	
NA	C405.4.1 C405.4.2	Lighting control of exempt interior lighting	Indicate that exempt interior lighting equipment and lighting located within spaces that are eligible for a lighting power exemption are controlled independently from non-exempt and general area lighting		
NA	C405.2.6	Exterior lighting controls	For decorative exterior lighting, indicate on plans automatic daylight shut-off controls, or exception taken		
YES			For exterior lighting that is not decorative, indicate on plans automatic daylight or time- switch shut-off controls and setback controls; or indicate exception taken	E1.01	
NA			For lighting requiring setback controls, include control sequence that reduces lighting power by at least 30% between 12am-6am, or from 1 hour after closing to 1 hour before opening, or based upon motion sensor		
NA			For building facade and landscape lighting, indicate control sequence for shut-off control is based on dawn-to-dusk and business opening/closing schedule; indicate whether automatic or time switch controls will be provided for this function		
NA	C405.5.2	Lighting control of exempt exterior lighting	Indicate that exempt exterior lighting and lighting located within exterior areas/surfaces that eligible for a lighting power exemption are controlled independently from non- exempt exterior lighting		
NA	C405.5.4	Exterior gas-fired lighting appliances	Indicate ignition system is a method other then continuously burning pilot light		
NA	C405.2.7	Area controls - Master control switches and circuit power limit	Indicate location(s) of master control switch(es) intended to control multiple independent switches; circuit breaker may not be used as a master control switch		
YES			Verify that no 20 amp circuit controlled by a single switch or automatic control is loaded beyond 80%	E10.01, E10.02	

#### Lighting, Motor and Electrical Requirements List, pg 5 of 10

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 -- Administered by ©2022 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.

NA	C406.4	Enhanced digital lighting controls	To comply with additional efficiency credit, indicate on plans that interior lighting fixtures are configured with all of the following control functions, as applicable: 1) Each fixture is individually addressed, or exception taken; 2) Fixtures are configured for continuous dimming; 3) No more than eight fixtures are controlled by a single daylight sensor; 4) In enclosed and open office areas, illumination levels of overhead general area lighting is configured to be individually adjusted by occupants		
NA			Include calculations that demonstrate the total lighting power of all interior lighting fixtures configured with enhanced lighting controls is no less than 90% of the total interior lighting power for the area the enhanced lighting controls credit is being applied to		
INTERIOR LIG	HTING POWE	R & EFFICACY			
YES	C405.4.1 C405.4.2	Total connected interior lighting power	Include all luminaires in interior lighting fixture schedule; indicate fixture types, lamps, ballasts, and manufacturer's watts per fixture for the installed lamp	E0.05	
NA			Identify spaces eligible for lighting power exemption on plans and in WSEC interior lighting compliance reports; indicate the exception applied		
NA			Identify lighting equipment eligible for lighting power exemption in fixture schedule and in WSEC interior lighting compliance reports; indicate the exception applied		
NA	C405.1 C405.1.1	Lighting in dwelling units (multifamily)	For all installed luminaires, include lamp type and number of lamps in lighting fixture schedule; for lamps that are not LED, T-8 or small diameter fluorescent, indicate efficacy of other lamp types is 65 lumens per watt or greater		
YES			For all installed luminaires, indicate in lighting fixture schedule whether complying via lighting power density or by qualifying lamp type; if by lamp type, include number of lamps	E0.05	
NA			For all installed luminaires, indicate in lighting fixture schedule whether complying via lighting power density or by qualifying lamp type; if by lamp type, include number of lamps		
INTERIOR LIG	HTING POWE	R CALCULATION - I	NDICATE COMPLIANCE PATH TAKEN		
NA	C405.4.2.1	Building Area Method	Demonstrate that total proposed wattage per building area does not exceed maximum allowed wattage per building area; identify locations of building areas on plans; provide WSEC exterior lighting compliance reports		

# Lighting, Motor and Electrical Requirements List, pg 6 of 10

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 -- Administered by ©2022 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.

YES	C405.4.2.2	Space-By-Space Method	Demonstrate that total proposed wattage does not exceed maximum allowed wattage; identify locations of space types on plans, including retail display areas and areas with display, highlight and decorative lighting; provide WSEC exterior lighting compliance reports	This Form	
ADDITION	NAL EFFICIENCY	CREDITS - REDUCED	INTERIOR LIGHTING POWER DENSITY	Ζ	
NA	C406.3.1 C406.3.2	Reduced interior lighting power density	To comply with additional efficiency credit, demonstrate that total connected interior lighting wattage is 10% or 20% less than the total maximum allowed lighting wattage for the area the reduced lighting power credit is being applied to; indicate whether lighting power allowance is based on the building area method or space-by-space method; provide WSEC exterior lighting compliance reports		
NA	C406.3	Reduced interior lighting power density - dwelling unit lamp efficacy	For project with dwelling units, to comply with additional efficiency credit indicate in lighting fixture schedule that lamps within installed interior luminaires have an efficacy rating of at least 65 lumens per watt; include number of lamps and provide calculations that demonstrate at least 95% of lamps have this efficacy rating		
EXTERIO	R LIGHTING POW	ER & EFFICACY			
YES	C405.5.2	Total connected exterior lighting power	Include all luminaires in exterior lighting fixture schedule; indicate fixture types, lamps, ballasts, and manufacturer's watts per fixture for the installed lamp	E0.05	
NA			Identify exterior applications eligible for lighting power exemption on plans and in WSEC exterior lighting compliance reports; indicate exception applied		
YES	C405.5.3(1)	Exterior lighting zone	Indicate building exterior lighting zone as specified by the AHJ	This Form	
NA	C405.5.1	Exterior building grounds lighting	For building grounds fixtures rated at greater than 50 watts, indicate rated lamp efficacy (in lumens per watt) in fixture schedule		
EXTERIO	R LIGHTING POW	ER CALCULATION			
YES	C405.5.3	Tradable allowances	Demonstrate that total proposed tradable surface wattage does not exceed maximum allowed tradable surface wattage (including base site allowance); identify locations of tradable surfaces on plans; provide WSEC exterior lighting compliance reports	This Form	

# Lighting, Motor and Electrical Requirements List, pg 7 of 10

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 -- Administered by ©2022 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.

YES			Demonstrate that proposed wattage per non- tradable surface type does not exceed maximum allowed wattage per non-tradable surface type (including base site allowance remaining after tradable allowance calculation); identify locations of non-tradable surfaces on plans; provide WSEC exterior lighting compliance reports	This Form	
LIGHTING	G ALTERATIONS				
YES	C503.6.1	Interior and parking garage lighting fixture alterations	Where ≥ 50% of existing luminaires in an interior space or parking garage are replaced; indicate compliance path (building area or space-by-space method); include all new and existing-to-remain luminaires in WSEC interior lighting compliance reports; indicate proposed lighting wattage does not exceed maximum allowed per compliance path	This Form	
NA			Where < 50% of existing luminaires in an interior space or parking garage are replaced; indicate total existing lighting wattage in each space prior to alteration; include all new and existing-to-remain luminaires in WSEC interior lighting compliance reports; indicate proposed total lighting wattage in alteration area does not exceed total existing lighting wattage prior to alteration		
NA			Where ≥ 50% of existing exterior lighting wattage is replaced; include all new and existing-to-remain luminaires in WSEC exterior lighting compliance reports; indicate proposed total exterior lighting wattage does not exceed maximum allowed		
NA			Where < 50% of existing exterior lighting wattage is replaced; indicate total existing lighting wattage prior to alteration; include all new and existing-to-remain luminaires in WSEC interior exterior compliance reports; indicate proposed total exterior lighting wattage does not exceed total existing wattage prior to alteration		
NA	C503.6.2	Interior lighting wiring and circuiting 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)		
NA			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)		

# Lighting, Motor and Electrical Requirements List, pg 8 of 10

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 -- Administered by ©2022 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.

YES	C503.6.3	Lighting panel alterations	Where a new interior and/or exterior lighting panel is installed or an existing panel is moved (all new raceway and conductor wiring), indicate all applicable lighting controls requirements apply	E2.01
NA	C503.6.4	Newly-created rooms	Where interior space(s) is reconfigured (permanently installed walls or ceiling-height partitions) to create new enclosed spaces, indicate all applicable lighting controls requirements apply	
YES	C504.2	Lighting repairs	Identify existing luminaires being upgraded with bulb and / or ballast replacement; indicate fixture alteration does not increase existing fixture wattage	E0.05, E2.01
YES	C505.1	Change of interior space use	Identify spaces on plans where the building area type or space use type is being changed from one type to another per Tables C405.4.2(1) or (2)	This Form
YES			Indicate compliance method (building area or space-by-space); include all new and existing- to-remain luminaires in WSEC interior lighting compliance reports; indicate proposed lighting wattage does not exceed maximum allowed per compliance path	This Form
RECEPTAC	CLES			
YES	C405.10	Controlled receptacles	Identify all controlled and uncontrolled receptacles on electrical plans in each space in which they are required; include receptacle configuration such as spacing between controlled and uncontrolled, duplex devices, etc	E3.01
YES			Provide schedule that lists the number of controlled and uncontrolled receptacles in each space where controlled receptacles are required - classrooms, private offices, open office areas, conference rooms, copy rooms, break rooms and modular partitions/workstations	E0.06
YES			Indicate on plans the method of automatic control for each controlled receptacle zone (occupant sensor or programmable time-of- day control); indicate that each zone served by a single controller does not exceed 5,000 sf	E0.06
NA	C405.2.5, 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)	
YES	C503.6.6	Electrical receptacle alerations	Where new receptacles are added or replaced within an alteration project that is 5,000 sf or larger, indicate receptacles are provided with automatic controls per C405.10, or exception taken	E0.06, E3.01

# Lighting, Motor and Electrical Requirements List, pg 9 of 10

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 -- Administered by ©2022 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.

YES	C405.6	Electrical transformers	Include electrical transformer schedule on electrical plans; indicate transformer type, size, efficiency, or exception taken	E3.01, E9.01	
YES	C405.11	Feeders and branch circuits	Provide documentation that demonstrates maximum voltage drop across feeders and branch circuits does not exceed 5%	E9.01	
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		
DOCUMEN	NTATION AND SY	STEM REQUIREMEN	NTS TO SUPPORT COMMISSIONING (CX)		
YES	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	E0.02	
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		
YES	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	E0.02, Specifications	

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YES	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)	E0.02, Specifications	
YES	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	E0.02, Specifications	
YES	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	E0.02, Specifications	
PROJECT	CLOSE OUT DOC	UMENTATION			
YES	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 area and / or surface types, lighting power allowances and installed densities	E0.02, Specifications	
If "no" is sel	ected for any questic	on, provide explanation.			