Form 5a LIGHTING - G	Project Name: Page:							
Exceptions Discussion of qualifying exceptions in instructions section.	1. Interior Exceptions (Section 1313.1) No Interior Lighting. The building plans and specifications do not call for new or altered interior lighting. Skip to item 5, Exterior building Lighting - General, below. Exceptions. 1. The building or part of the building qualifies for an exception from code lighting requirements. Applicable code exception is number: 2. Lighting equipment that qualifies for an exception - in addition to general lighting and is separately controlled. Applicable code exception is number: Areas of the building and equipment that qualify for any exceptions:							
Plans/Specs Show compliance by including a drawing sheet, detail number, and/or specification								
section and subparagraph.	2. Local Shut-off controls (Section 1313.3.1.1) Complies. At least one local shut-off lighting control for every 2,000 square feet of lighted floor area and for all spaces enclosed by walls or ceiling height partitions. This control is detailed in the building plans on drawing number:							
	□ Exception. The building or part of the building qualifies for an exception. Applicable code exception is Section 1313.3.1.1, Exception:							
	Portions of the building that qualify:							
	permitted space is not over 5,000 square feet. No offices less than 300 square feet, meeting or conference rooms, or school classrooms. Complies. All interior lighting systems are equipped with a separate automatic control to shut off lighting during unoccupied periods. Offices less than 300 square feet, meeting and conference rooms, and school classrooms are equipped with occupancy sensors that comply with Section 1313.3.1.2.1. Compliance details in plans/specs: Exception. The building or part of the building qualifies for an exception. Applicable code exception is Section 1313.3.1,2, Exception:							
	 4. Daylighting Controls (1313.3.1.3) No classrooms or atriums with skylights or window to wall ratio greater than 50%. Complies. All classrooms and atriums with window to wall ratio greater than 50% and/or skylights are equipped with automatic daylight sensing controls, as required by Section 1313.3.1.3.1 and Section 1313.3.1.3.2. The daylight sensors specified comply with Section 1313.3.1.3.3. Compliance details in plans/specs: 							
Exterior Build- ing Lighting is lighting directed to illuminate the exterior of the building and adjacent walkways and loading areas with or without canopies.	 5. Exterior Lighting (Section 1313.5) Complies. The plans do not call for use of incandescent or mercury vapor lamps for use on building exterior. Exception. The building plans indicate luminaires with incandescent or mercury vapor lamps, but are specified for use in or around swimming pools, water features, or other locations subject to requirements of Article 680 of the 2002 National Electrical Code. 							
Clock Switches shall be astronomic (seasonal correcting) type with separate programs for each day of the week and shall store energy	6. Exterior and Canopy Lighting Controls (Section 1313.3.2) Complies. The building plans and specifications include photoelectric and/or clock switches on all exterior lighting systems which are designed and programmed to extinguish lights when daylight is present, as required by Section 1313.3.2.							
to maintain timekeeping during power outages.	7. Connected Lighting Power (Section 1313.4) Complies. The lighting power does not exceed the power allowance established in either the Tenant Space Method (Form 5b) or the Space-by-Space Method (Form 5c).							
OF OP	☐ Tenant Space Method (Form 5b) ☐ Space-by-Space Method (Form 5c)							

Power

Parking Garage Lighting Power

11.	Does interior Lighting Design weet Budget? Line 10 must be no greater than line 1.	
12.	Do Exterior Canopies Meet Budget (Worksheets 5c)?	
13.	Does Parking Garage Meet Budget (Worksheets 5c)?	



Form 5c Project N		· ·	
INTERIOR	LIC	GHTING POWER - Space-by-Space Method	
Lighting Power Budget	1.	Total Interior Lighting Power Budget from Worksheet 5b-1 (Sum of Column (I))	
Track Lighting	2.	Total length of track lighting (ft)	
Power	3. 4.	Line 2 multiplied by 50 Watts/ft Total amperage of circuit breaker(s) serving track lighting (amps)	
	5.	Voltage of circuit breaker serving track lighting (volts)	
	6.	Maximum wattage of track lighting (multiply line 4 by line 5)	
	7.	VA rating of the inline current limiter or the low voltage transformers	
	8.	Track Lighting Power (the lesser value of line 3, 6 or 7)	
Building's	9.	Total Interior Lighting Power from Worksheet 5b-1 (Sum of Column (m)) +	
Interior Lighting Power	10.	Total Adjusted Lighting Power (line 8 + line 9)	
Digitting Fower	11.	Does Interior Lighting Design Meet Budget? Line 10 must be no greater than line 1.	
Exterior Canopy Parking Garage	12.	Do Exterior Canopies Meet Budget (Worksheets 5c)?	
Lighting Power	13.	Does Parking Garage Meet Budget (Worksheets 5c)?	
Retail Display	14.		
Lighting Power		Is The Total Retail Display Lighting Additional Power Less Than 17,500 W (sum of line 9 on Worksheets 5d)	
	16.	Does Retail Display Lighting Meet Budget?	



Works LIC	cheet 5a Project Name: CHTING FIXTURE SCHEDULE (see Table 5c in	n iı	nstructions	fo	Page: r default lumina	ire pow	/er).
(a)	(b)		(c)		(d)	(e)	(f)
Lum ID	Luminaire Type/Description	No.	Lamp Description	No.	Ballasts Description	Power (watts)	Is Luminaire From Table 5c

			Space-by-Space Method O	nly							
ch room must identified. scribe luminaires	(a)	(b)	Skip to column (f) if using the Tenant S (c)	(d)	(e)	(f) Lum ID from Worksheet	(g) Quantity of Luminaires (or	(h) Luminaire	(i)	(j) Lighting	(k) Room
each individual n in plans.	Room ID (do not leave any blanks)	Area (ft²)	Space Type (Table 13-H) (enter space type only once per room)	Space Type LPD	Lighting Power Budget (b) x (d)	5a Column (a)	lineal ft. for track lighting)	Power (Watts)	Exempt Fixtures	Power (g) x (h)	Total Ltg.
ack lighting lineal feet in											
nn column (g).											
nn (k), enter of column (j)											
ach room only at first entry e room. See											
ple in ctions.											
	Wrksht 5b-										
r Pages additional sheets ssary to catalog	Total Sq Ft	dditional Wo	Worksheet 5b	_ Total Budget		Wkshi	5b Total Lightin	ng Power (excl	uding exempt/tra	ack fixtures)	
ninaires in			WORKSHEET NUMBER Complete this section when more than one Worksheet 3b is completed		(I) Lighting Power Bud Space only (Total o	get: Space-by- of column (e))	(m) Proposed Buiding Li (Total of column (k exempt/tra), excluding	(n) Area Sqft. (not Tenant Me	required for ethod)	
				5b-1 5b-2							
01 PE				5b-2 5b-3							
			Sum of additional								
2007									-		l

Worksheet 5b-2	Project Name:	Page:	
INTERIOR LIGHTING POWER			

Each room must be identified. Describe luminaires for each individual room in plans.

For track lighting enter lineal feet in column column (g) .

Column (k), enter sum of column (j) for each room only once at first entry for the room . See example in instructions.

		Space-by-Space Method Or	nly							
(a)	(b)	Skip to column (f) if using the Tenant S (c)	(d)	(e)	(f) Lum ID from	(g)	(h)	(i)	(j)	(k)
Room ID (do	Area	Space Type (Table 13-H) (enter space type only once per room)	Space	Lighting Power Budget (b) x (d)	Lum ID from Worksheet 5a Column	(g) Quantity of Luminaires (or lineal ft. for track	Luminaire Power	Exempt	Lighting Power	Room Total Ltg
not leave any blanks)	(ft ²)	(enter space type only once per room)	Type LPD	(b) x (d)	(a)	lighting)	(Watts)	Fixtures	(g) x (h)	Power
			1							
			1							
			1							
			1							
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			1							
			<u> </u>							
	_	Worksheet 5b-2	Total Budget		3441 1451	-2 Total Lighting Po	war (avaludia		I. C	



Project Name: R CAN		ND PARKING GARA	AGE L	IGHTIN	G PO	VER	Page:		
	_								
Exterior	Canopy	y Lighting	1	<u> </u>		<u> </u>			
	.,		1.0		(f)			40	<i>(</i>)
(a)	(b)	(c)	(d)	(e)	Lum ID from	(g) Quantity of	(h)	(i)	(j)
Room ID (do not leave any blanks)	Area (ft²)	Сапору	Space Type LPD	Lighting Power Budget (b) x (d)	Worksheet 5a Column (a)	Luminaires (or lineal ft. for track lighting)	Luminaire Power (Watts)	Exempt Fixtures	Lighting Power (g) x (h)
					(=/				
			1						
	-		+						
			†						
	-								
			+						
			†						
	-								
	-		+						
		Total Exterior Ca	nopy Budget		Total E	xterior Canopy Ligh	nting Power (e		mpt fixtures
					_				
Parking	Garage	e Lighting			(f)				
Parking	Garage	e Lighting	(d)	(e)	(f) Lum ID	(g) Quantity of	(h)	(i)	(j)
(a)	(b)	(c)	Space	Lighting Power	Lum ID from Worksheet	Quantity of Luminaires (or	Luminaire		Lighting
(a)					Lum ID from	Quantity of Luminaires (or		(i) Exempt Fixtures	
(a) Room ID (do not leave any	(b)	(c)	Space Type	Lighting Power Budget	Lum ID from Worksheet 5a Column	Quantity of Luminaires (or lineal ft. for track	Luminaire Power	Exempt Fixtures	Lighting Power
(a) Room ID (do not leave any	(b)	(c)	Space Type	Lighting Power Budget	Lum ID from Worksheet 5a Column	Quantity of Luminaires (or lineal ft. for track	Luminaire Power	Exempt Fixtures	Lighting Power
(a) Room ID (do not leave any	(b)	(c)	Space Type	Lighting Power Budget	Lum ID from Worksheet 5a Column	Quantity of Luminaires (or lineal ft. for track	Luminaire Power	Exempt Fixtures	Lighting Power
(a) Room ID (do not leave any	(b)	(c)	Space Type	Lighting Power Budget	Lum ID from Worksheet 5a Column	Quantity of Luminaires (or lineal ft. for track	Luminaire Power	Exempt Fixtures	Lighting Power
(a) Room ID (do not leave any	(b)	(c)	Space Type	Lighting Power Budget	Lum ID from Worksheet 5a Column	Quantity of Luminaires (or lineal ft. for track	Luminaire Power	Exempt Fixtures	Lighting Power
(a) Room ID (do not leave any	(b)	(c)	Space Type	Lighting Power Budget	Lum ID from Worksheet 5a Column	Quantity of Luminaires (or lineal ft. for track	Luminaire Power	Exempt Fixtures	Lighting Power
(a) Room ID (do not leave any	(b)	(c)	Space Type	Lighting Power Budget	Lum ID from Worksheet 5a Column	Quantity of Luminaires (or lineal ft. for track	Luminaire Power	Exempt Fixtures	Lighting Power
(a) Room ID (do not leave any	(b)	(c)	Space Type	Lighting Power Budget	Lum ID from Worksheet 5a Column	Quantity of Luminaires (or lineal ft. for track	Luminaire Power	Exempt Fixtures	Lighting Power
(a) Room ID (do not leave any	(b)	(c)	Space Type	Lighting Power Budget	Lum ID from Worksheet 5a Column	Quantity of Luminaires (or lineal ft. for track	Luminaire Power	Exempt Fixtures	Lighting Power
(a) Room ID (do not leave any	(b)	(c)	Space Type	Lighting Power Budget	Lum ID from Worksheet 5a Column	Quantity of Luminaires (or lineal ft. for track	Luminaire Power	Exempt Fixtures	Lighting Power
(a) Room ID (do not leave any	(b)	(c)	Space Type	Lighting Power Budget	Lum ID from Worksheet 5a Column	Quantity of Luminaires (or lineal ft. for track	Luminaire Power	Exempt Fixtures	Lighting Power
(a) Room ID (do not leave any	(b)	(c)	Space Type	Lighting Power Budget	Lum ID from Worksheet 5a Column	Quantity of Luminaires (or lineal ft. for track	Luminaire Power	Exempt Fixtures	Lighting Power
(a) Room ID (do not leave any	(b)	(c)	Space Type LPD	Lighting Power Budget (b) x (d)	Lum ID from Worksheet 5a Column (a)	Quantity of Luminaires (or lineal ft. for track	Luminaire Power (Watts)	Exempt Fixtures	Lighting Power (g) x (h)



5-6

	Project Name:	ng Po	wer	Page:			
	Complete one worksheet for directed to highlight merchal within the room. General light	ndise, and is	controlled separatel	y from the gen			
	1. Room # or Space ID						
	2. Room Area (ft ²)						
	3. Retail Space Type	Retail Space Type					
Describe luminaires for each individual		(a) Lum ID from Worksheet 5a Column (a)	(b) Quantity of Luminaires (or lineal ft. for track lighting)	(c) Luminaire Power (Watts)	(d) Lighting Power (b) x (c)		
room in plans. For track lighting enter lineal feet in column (b).							
	ce Display Lighting Power (total	al d column ex	xcluding track fixture	es)			
3. Line	al length of track lighting (ft) 2 multiplied by 50 Watts/ft al amperage of circuit breaker(s) serving trac	k lighting (amps)				
i. Volt	age of circuit breaker serving tr	ack lighting (v	volts)				
B. Trac	rating of the inline current limite	alue of line 3,	6 or 7)				
10. Tota 17,5 11. Doe	al Space Display Lighting Powe al Space Display Lighting Powe 500) es Space Retail Display Meet s than 17,500 W)?	r Budget (Wa	tts) (room area x 1.				