

Charting a Course to Energy Independence

Providence, RI
August 9-12, 2009





Facility Evaluations/Surveys/Audits/ Assessments, Lighting

- The audit dictates the success of any project,
- Lighting determines the project, easiest to predict and greatest payback in most instances.
- Follow a specific path and look at everything. Use an organized approach, i.e. start in one corner and move through the building.



Basics

- Count every fixture and be specific. (see attached form)
- 2 lamp, T12 fixture doesn't provide enough information, what kind, 2x4 troffer, 2x2, 4' strip, 8' strip?
- Note any and everything, is the switch blocked, is it a 2 gang switch.



Sample Room x Room

Job	Building	Auditor	Date	Page #	Of		
Floor:		Room:		Section:		Avg FC:	
Cl Hgt:	Fix Hgt:	Fix Qty:	Fix Length:	Lamp Qty:	Lamp length:	Ballast Qty:	Suggested mounting:
Exist Fix:		Fix Width:	Fix Depth:	Lamp Type:	Lamp Watt:	Ballast Type:	Suggested Sensor:
Switch Type:							
Lens Type/Condition:			TG Qty:	Base:	Volt:		
Notes:							
Ceiling Structure:							
Existing Power Connection:							
Floor:		Room:		Section:		Avg FC:	
Cl/Hgt:	Fix/Hgt:	Fix Qty:	Fix Length:	Lamp Qty:	Lamp length:	Ballast Qty:	Suggested mounting:
Exist Fix:		Fix Width:	Fix Depth:	Lamp Type:	Lamp Watt:	Ballast Type:	Suggested Sensor:
Switch Type:							
Lens Type/Condition:			TG Qty:	Base:	Volt:		
Notes:							
Ceiling Structure:							
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Floor:		Room:		Section:		Avg FC:	
Cl/Hgt:	Fix/Hgt:	Fix Qty:	Fix Length:	Lamp Qty:	Lamp length:	Ballast Qty:	Suggested mounting:
Exist Fix:		Fix Width:	Fix Depth:	Lamp Type:	Lamp Watt:	Ballast Type:	Suggested Sensor:
Switch Type:							
Lens Type/Condition:			TG Qty:	Base:	Volt:		
Notes:							
Ceiling Structure:							
Existing Power Connection:							



Ask Questions on site, THAT DAY!

- Return visits cost money and time, both are equally critical.
- Be specific with answers
- Timing, figure .25 seconds/sq. ft. to do a lighting audit.
- Use the following guide or similar for your questions.



Question Format

- Building, owner/occupant info, email, phone, address
- Access info, burn hours, laydown area, recycling
- Foot candle existing/required, any dangerous stuff, safety rules
- Building size, height, fixture height, skylights, large windows
- HVAC timing, BEM present, general environment
- Floor, ceiling, wall color
- Occupancy/photo sensors
- What does the customer want to see in report
- Organized, hard copy of suggested format available



Questions????

- Thank You!
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