

Lighting Compliance Certificate
2001 IECC

Checked By/Date

COMcheck-EZ Software Version 2.4 Release 2
 Data filename: J:\02110\E_loads\Untitled.cck

Section 1: Project Information

Project Name: May Kay - Cooling Tower
 Designer/Contractor: _____
 Telephone: _____
 Document Author: _____
 Telephone: _____
 Date: _____

Section 2: General Information

Building Use Description by: Activity Type
 Activity Type(s) Other Floor Area 2370
 Other _____

Project Description (check one):
 New Construction Addition Alteration Unconditioned Shell (File Affidavit)

Section 3: Requirements Checklist

- Bldg. _____
 Dept. _____
 Use _____
- Interior Lighting**
1. Total actual watts must be less than or equal to total allowed watts
 Allowed Watts 2370 Actual Watts 1000 Complies(Y/N) YES
- Exterior Lighting**
2. Efficacy greater than 45 lumens/W
 Exceptions: Specialized lighting highlighting features of historic buildings; signage; safety or security lighting; low-voltage landscape lighting.
- Controls, Switching, and Wiring**
3. Independent controls for each space (switch/occupancy sensor).
 Exception: Areas that must be continuously lighted.
4. Master switch at entry to hotel/motel guest room.
5. Two switches or dimmer in each space to provide uniform light reduction capability.
 Exceptions: Only one luminaire in space; An occupant-sensing device controls the area; The area is a corridor, storage, restroom, or lobby; Areas that must be continuously lighted.
6. Photocell/astronomical time switch on exterior lights.
 Exceptions: Areas requiring lighting during daylight hours
7. Tandem wired one-lamp and three-lamp ballasted luminaires.
 Exceptions: Electronic high-frequency ballasts; Luminaires not on same switch

Section 4: Compliance Statement

The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2001 IECC requirements in COMcheck-EZ Version 2.4 Release 2.

Chris Carroll Chris Carroll 2/27/03
 Principal Lighting Designer-Name Signature Date

Lighting Application Worksheet
2001 IECC

COMcheck-EZ Software Version 2.4 Release 2

Section 1: Allowed Lighting Power Calculation

A	B	C	D
Area Category	Floor Area (ft ²)	Total Allowed Watts (watts/ft ²)	Allowed Watts (B x C)
Other	2370	1	2370
Total Allowed Watts =			2370

Section 2: Actual Lighting Power Calculation

A	B	C	D	E	F
Fixture ID	Fixture Description / Lamp Description / Wattage Per Lamp / Ballast	Lamps / Fixture	# of Fixtures	Watt	(D x E)
HID	100W MH Area Lighting / Metal Halide 100W / Electronic	1	10	100	1000
Total Actual Watts =					1000

Section 3: Compliance Calculation

If the Total Allowed Watts minus the Total Actual Watts is greater than or equal to zero, the building complies.

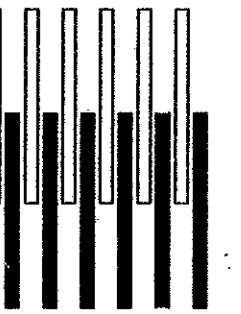
Total Allowed Watts = 2370
 Total Actual Watts = 1000
 Project Compliance = 1370

Lighting PASSES: Design 38% better than code

ENERGY CODE COMPLIANCE STATEMENT

Section 101.4 of the 2000 IECC states that the intent of the code is to establish minimum prescriptive and performance-related regulations for the design of energy efficient buildings that provide facilities for public assembly, educational, business, mercantile, institutional, storage and residential occupancies designed primarily for human occupancy. The Mary Kay Cooling Tower documents modify the mechanical and electrical systems for the computer room that primarily support data center equipment loads, not human occupancy. Therefore, the drawings issued for Mary Kay Cooling Tower are in compliance with the 2001 IECC.

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Mary Kay, Inc.
 Corporate 1
 Addison, Texas
 Cooling Tower Addition

Project Revisions

Project Number
 02110

Issue Date
 JULY 23, 2003

Sheet Title
 ENERGY CODE

Sheet Number
 EN1.01