



COMcheck Software Version 3.4.2  
**Envelope Compliance Certificate**

**2006 IECC**

Report Date: 08/31/07

Data filename: E:\AWA Architecture\Project Drawings\Drawings 2006\2664\Travelodge.cck

**Section 1: Project Information**

**PERMIT SET**

Project Title: Travelodge Retail Store

Construction Site:  
 2830 S. Las Vegas Blvd.  
 Las Vegas, NV 89109

Owner/Agent:  
 Halm Gabay  
 H6 MHD  
 6130 W. Flamingo Rd.  
 Las Vegas, NV 89103  
 (702) 743-1304  
 halmgabay@hotmail.com

Designer/Contractor:  
 Anthony Williams  
 AWA Architecture, Inc.  
 7451 O'Bannon Drive  
 Las Vegas, NV 89117  
 (702) 243-8810  
 awaarch@embarqmail.com

**Section 2: General Information**

**07 - 32398**

Building Location (for weather data): **Las Vegas, Nevada**  
 Climate Zone: **3b**  
 Heating Degree Days (base 65 degrees F): **2652**  
 Cooling Degree Days (base 50 degrees F): **6091**  
 Project Type: **New Construction**  
 Vertical Glazing / Wall Area Pct.: **24%**

Clark County Dev. Services  
 Building Services Division

JAN 24 2008

Reviewed and Accepted  
 Charles Abbot Associates, Inc.

**Activity Type(s)** **Floor Area**  
 Retail 17054

**Section 3: Requirements Checklist**

Envelope PASSES: Design 3% better than code.

**Climate-Specific Requirements:**

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Roof 1: Attic Roof with Wood Joists	5780	30.0	30.0	0.017	0.034
Exterior Wall 1: Concrete Block:8", Solid Grouted,Normal Density , Furring: Metal	15600	0.0	12.5	0.067	0.419
Window 1: Metal Frame:Double Pane with Low-E, Tinted, SHGC 0.54, PF 0.04	3576	—	—	0.610	0.650
Door 1: Uninsulated Single-Layer Metal, Swinging	42	—	—	1.690	0.700
Door 2: Glass, Entrance Door, SHGC 0.54, PF 0.37	158	—	—	1.850	0.900
Door 3: Other, Non-Swinging	560	—	—	1.850	1.450
Floor 1: Slab-On-Grade:Unheated	5494	—	—	—	—

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

**Air Leakage, Component Certification, and Vapor Retarder Requirements:**

- 1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
- 2. Windows, doors, and skylights certified as meeting leakage requirements.
- 3. Component R-values & U-factors labeled as certified.
- 4. Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.

- 5. No roof insulation is installed on a suspended ceiling with removable ceiling panels.
- 6. Stair, elevator shaft vents, and other outdoor air intake and exhaust openings in the building envelope are equipped with motorized dampers.
- 7. Cargo doors and loading dock doors are weather sealed.
- 8. Recessed lighting fixtures are: (i) Type IC rated and sealed or gasketed; or (ii) installed inside an appropriate air-tight assembly with a 0.5 inch clearance from combustible materials and with 3 inches clearance from insulation material.
- 9. Building entrance doors have a vestibule and equipped with closing devices.

Exceptions:

Building entrances with revolving doors.

Doors that open directly from a space less than 3000 sq. ft. in area.

Note: Vapor retarder not required in this location.

## Section 4: Compliance Statement

*Compliance Statement:* The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2006 IECC requirements in COMcheck Version 3.4.2 and to comply with the mandatory requirements in the Requirements Checklist.

ANTHONY WILLIAMS ARCHITECT  
Name - Title

[Signature]  
Signature

9/4/07  
Date

