

THE **IGUANA** SERIES



THE IGUANA



THE GREEN ADVANTAGE:

- EXTENSIVE USE OF ENVIRONMENTALLY FRIENDLY & RECYCLED MATERIALS
- ENERGY SAVING APPLIANCES AND TECHNOLOGIES
- INNOVATIVE DESIGN AND MATERIALS FOR A QUIETER INTERIOR WITH IMPROVED AIR QUALITY



CHPS Relocatable Classroom Specifications

Main Focus:

Quieter interior with better air quality and greater comfort
Reduced energy consumption (minimum reduction of at least 20%).

Size: 24x40 for a usable area of 960 sq ft.

"Green" features:

- Cool Roof system (light reflectance of 70%) to reduce heat transferred into interior spaces.
- Separate lighting system for teaching area allowing for greater visibility.
- Six tubular skylights that promote day-lighting as well as reduce/eliminate the need for artificial lighting (with dampers and light diffusers for solar control)
- Overhangs at either end of building to shade windows and reduce heat transfer.
- Operable, 8x4 anodized aluminum frame windows with low e, dual glazing for greater day lighting and reduced thermal heat gain/loss.
- HVAC interlock on windows to prevent HVAC operation when opened.
- High efficiency, quiet operation wall mounted heat pump with economizer to utilize 100% outside air when conditions are suitable.
- HVAC balancing box to ensure all four ceiling diffusers distribute air evenly.
- Silencer on HVAC return duct to reduce noise.
- Programmable or communicating thermostats.
- Pendant mounted direct / indirect dual mode luminaires (32 watt T8 lamps using 28 watts or less per lamp).
- A/V teacher control switch to manage lighting adjacent to teaching station.
- Orient classroom so windows are facing North and South to limit the amount of direct sun on windows.
- Occupancy sensors will terminate artificial lighting when room is unoccupied.
- Light colored materials with a high light reflectance and noise absorbent interior wall finishes.
- Low emitting materials throughout interior spaces.

GREEN BUILDING SPECS

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USGBC LEED® Version 2.2

Credit Summary for Modtech Holdings, Inc. - Green Classroom Building

The following summary demonstrates the LEED®-NC V2.2 credit potential of this building prior to being installed on site. This building or series of them can be a great starting point to achieving a USGBC LEED® Certified project.

SS - Sustainable Sites (Cool Roof)

Total 1 Credit

EA - Energy & Atmosphere

Total 6 Credits

MR - Materials & Resources

Total 6 Credits

IEQ - Indoor Environmental Quality

Total 14 Credits

ID - Innovation and Design Process

Total 1 Credit

Total Credits:

28 as designed without being sited

Total Required for Certification:

26 minimum to receive LEED® Certification

Other Products:



Modular construction advantage:

- Time saving: building is manufactured while the site is prepared
- Cost reduction
- Minimal site disruption
- Decrease in weather related delays and weather damage

Modtech resources:

- High capacity manufacturing facilities with over 1200 trained associates
- Design to project management capabilities
- Nearly 25 years modular manufacturing expertise

Modtech Locations

West Region - Headquarters
2830 Barrett Avenue
Perris, CA 92571
Phone: (951) 943-4014
Fax: (951) 443-3642

Southwest Region
5301 W. Madison
Phoenix, AZ 85043
Phone: (602) 233-1903
Fax: (602) 233-9458

Southeast Region
1602 Industrial Park Drive
Plant City, FL 33566
Phone: (813) 719-6007
Fax: (813) 759-0576



www.greendesigns.modtech.com
info@greendesigns@modtech.com
888-929-0998