



BRANDSMART

BUFORD, GEORGIA

ARCHITECT

KEN MCGEE ARCHITECTS

OWNER

BRANDSMART USA

MANUFACTURER

CPI DAYLIGHTING, INC.

INSTALLATION CONTRACTOR

W. S. NIELSEN CO.

CPI DAYLIGHTING *solutions*



BRAND NAME ENERGY SAVINGS

At one of BrandsMart USA's newer franchises outside of Atlanta, the big box retailer cut \$180,000 in annual electrical costs thanks to a variety of sustainable initiatives, including CPI Daylighting's InteltaSun® intelligent daylighting skylights.

Designed to diffuse, transmit, block or angle the sun's light based upon the sun's position in the sky and its intensity, the InteltaSun® controlled daylighting skylight system draws the exact amount of daylight desired into a given space – no more and no less. Harvesting daylight and protecting the store from unwanted solar heat gain, the controlled daylighting system helped BrandsMart meet its sustainable, operational and ambiance goals from day one.

"The product often allows us to turn all the lights off during the day," explains BrandsMart USA's vice president of operations, Larry Levine. "The aesthetic part of the system is really the hidden part. It brings daylight into the building and that's a big positive."

Even the customers have taken note. According to Levine, "It makes the environment brighter and more enjoyable for the customer."

Project architect Ken McGee, of McGee Architects, in Daytona Beach, Fla., specified sixteen 6-ft. by 24-ft SolaQuad® units with Quadwall® double panel polycarbonate glazing for this 118,000 square foot store, which carries everything from appliances to computers to home security systems. The facility's electrical lights automatically shut off when an internal sensor determines that the built-in sophisticated rotating SolaBlades® within the skylights have harvested 100-ft. candles of natural light into the space. In addition, an external sensor adjusts the SolaBlades® position, light transmission and shading coefficient to maximize daylighting and comfort in the space.

"With these skylights, there is daylight all over the place. It adds a whole new dimension to the interior," said McGee in a Boston Society of Architects newsletter article on the project. "The atmosphere has become a whole lot brighter and more cheerful, which is an enormous benefit in a sales situation."

Compared to other BrandsMart franchises, the average monthly electrical bills for this Buford, Georgia store are between \$14,000 and \$17,000 lower. Levine says that the InteltaSun® skylights account for the lion's share of this savings. And the bills have stayed that way over the last two years in operation.

Other sustainable initiatives at BrandsMart's Buford, Georgia, facility include a CO2 recapture system, a pre-heating and pre-cooling system that is tied to make-up air and a rainwater retention system. A return on investment for all green initiatives is scheduled for four years.

16 InteltaSun® skylights contribute to an annual \$180,000 savings in electricity costs for this Georgia retailer.

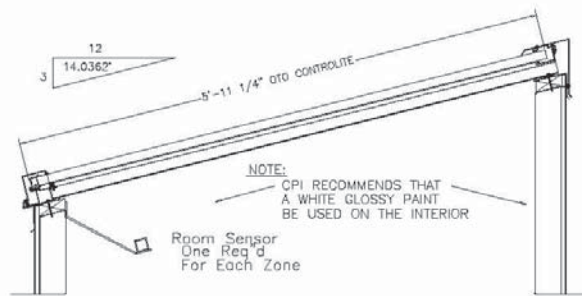
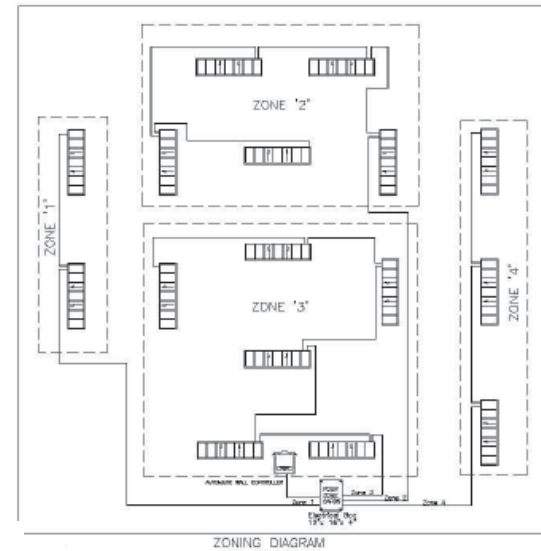
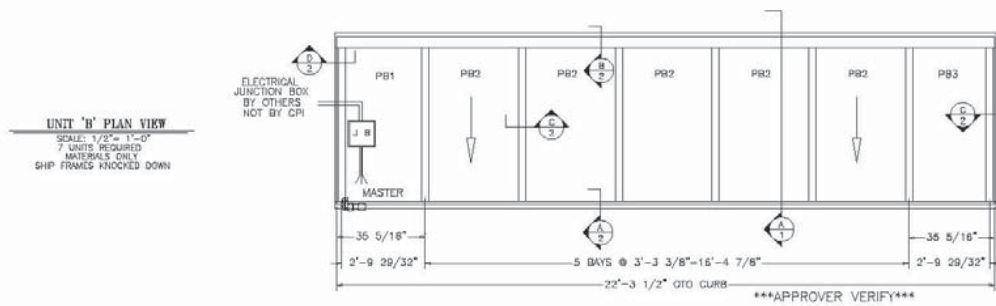
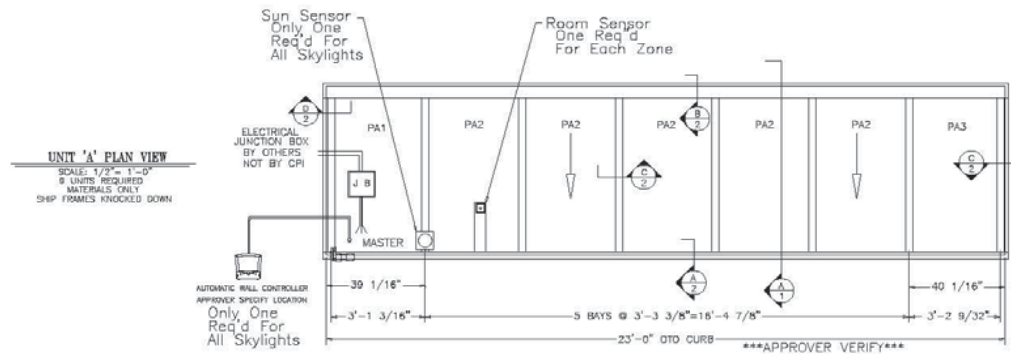


The InteltaSun® system draws the exact amount of daylight desired – no more and no less.

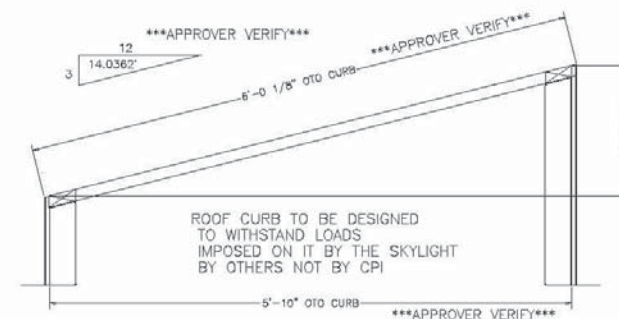
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SECTION A
1 1/2" = 1'-0"



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