

<p>Deward Conservation and Discovery Center (DC²)</p>
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Located just off of I-75, directly adjacent to Hartwick Pines State Park in Northern Michigan, is the Deward Conservation and Discovery Center. The DC² complex consists of a two-story museum dedicated to the cautionary tale of deforestation in Northern Michigan, a horticulture/forestry research center, a cafe and farmers market, a tranquility garden and a recycling center.

Back in 1900, the Village of Deward was named after recently-deceased timber mogul David Ward (D. Ward). The sole purpose of the Village was to provide a central location of operations for Ward’s logging companies to cut down the last remaining strands of White Pine in Northern Michigan. Greed prevailed, the forest was leveled, and the town ceased to exist once the company moved on after felling the last White Pine in 1930. Nothing is left but a field of stumps, old scrap metal, and soil depleted of all nutrients as of today. As a result, an opportunity emerges to flip the script of Deward and instill hope back into the heart of the Northern Michigan woodlands.

DC² is designed to serve as both a place of interest for the nature tourist, as well as an opportunity to learn about the environment that surrounds you via Virtual and Augmented Reality. As boating, golf, and off-roading grow as tourist activities in Northern Michigan, eco-tourism is steadily going by the wayside— DC² is trying to change that.

Team Member	Major/ Minor	Contribution
Participant #1	Media & Information/Film Studies	Story, Concept, Concept Art, Space, Videography, Motion Graphics
Participant #2	Media & Information	Elevations, Color, Technical Research, 3D Models, Concept Illustrations
Participant #3		
Participant #4		

Story behind the design

As our main objective is to instill excitement and awe in the everyday person about the wonders of our environment, the entire theme and structure of DC² revolves around sustainability. Lush foliage native to Northern Michigan flourishes everywhere you look around the complex. The building itself will be built strictly from shipping containers and adorned with solar panels to provide power. By building with unused shipping containers, we will be repurposing close to 60,000 pounds of steel.

The industrial-looking, steel exterior of the building will inform the visitor of the nonrenewable resources that we waste on a day-to-day basis. In contrast, the interior design and tranquility garden area will immerse the visitor in a land of plentiful foliage— as if our resources were not wasted in the same manner they are today.

DC² will be a place to relax, to learn, and to bask in the beauty of the environment. Hopefully a journey to the DC² complex will inspire people to modernize the way we think about natural resources in order to shape a better, more sustainable future.

User/ Guest Experience

Whether visiting as a guest eager to learn, a hungry consumer, or a responsible recycler, DC² will satisfy your cravings.

Study: The museum itself offers two floors to learn about the practice of logging, the ways in which a lumberjack lived in the early 1900s, the White Pine and other Michigan foliage, and how the effects of deforestation can be mitigated today. The DC² Mobile app can accompany the guest on their journey and provide additional information via AR, as well as provide audio commentary. Finally, get up close and personal with native plants and the former site of Deward at our outdoor tranquility garden and the VR experience *Hike Through History*.

Savor: At the *Conservation Cafe and Farmers Market*, craving customers can choose breakfast and lunch options that appeal to the most discerning healthy-conscious individual to the new healthy foodie, with a farmers market open on select days. Greens served at the cafe and farmers market are grown from DC²'s rooftop garden.

Sustainability: DC² also will provide a recycling center for the local public to help reduce the amount of waste going into landfills in Northern Michigan; This center will be one of only 8 in Michigan's northern Lower Peninsula.

Deward Conservation and Discovery Center

Main Building

Study - Savor - Sustainability



Welcome to the Deward Conservation and Discovery Center, otherwise known as DC² — A sensory experience taking you back to the logging boom of Northern Michigan in the 1900s and bringing you through the present day usage of our most valuable natural resources.

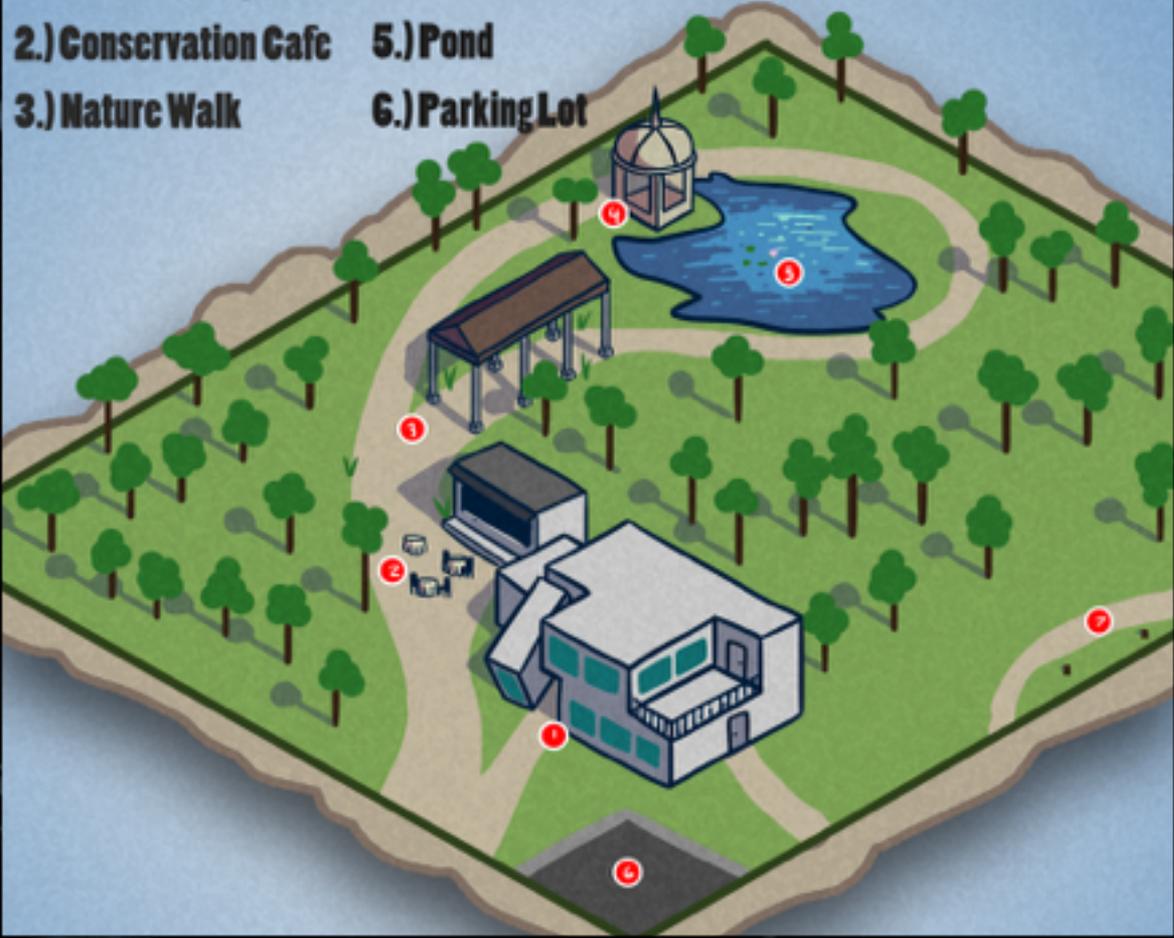
Located off of I-75, 8 miles NW of Frederic.



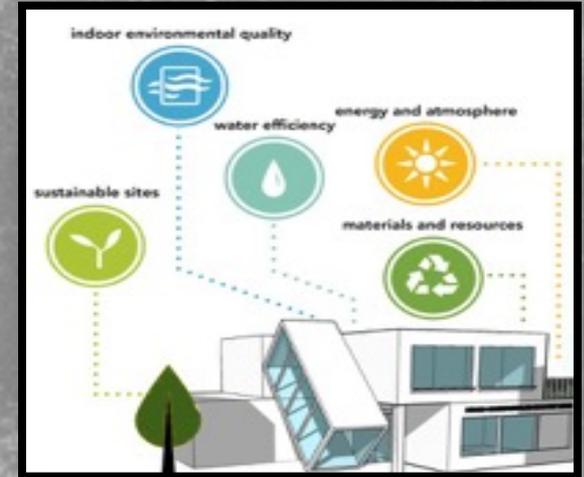
Deward Conservation and Discovery Center

DEWARD CONSERVATION AND DISCOVERY CENTER

- 1.) Main Building
- 2.) Conservation Cafe
- 3.) Nature Walk
- 4.) Gazebo
- 5.) Pond
- 6.) Parking Lot
- 7.) 'Hike Through History'/Stump Preserve



DC² puts an emphasis on sustainability. Set in a forest on a White Pine Stump Preserve, cutting-edge technology and environmental performance is a large component of what sets our complex apart. Rainwater is collected and filtered for reuse within the facilities and the main building of the complex will repurpose 60,000 pounds of steel from out-of-use shipping containers. We are seeking LEED Certification.



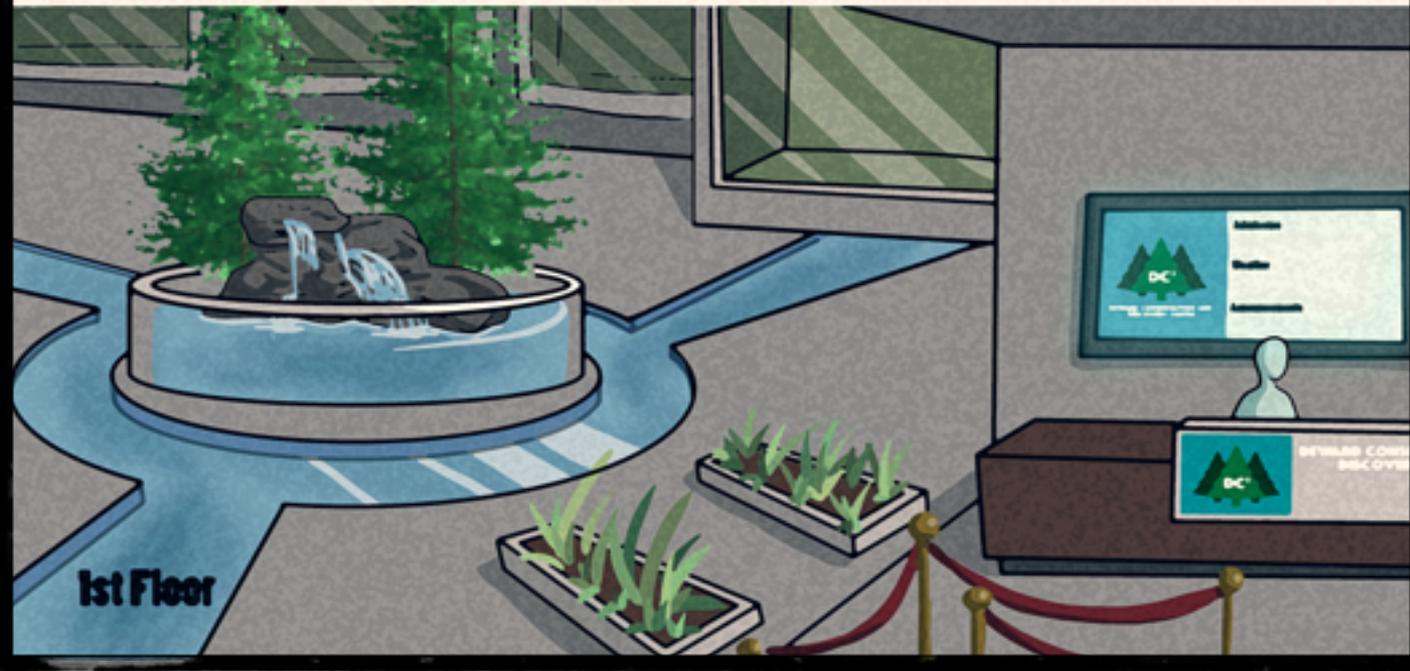
The DC² complex is comprised of four different section in which to study, savor, and sustain: A two-story museum of sustainability and the logging town of Deward (circa 1900), the Conservation Cafe and Farmers Market, a tranquility garden and VR hiking experience, and the premiere recycling center of Northern Michigan.



The museum itself is comprised of two floors to discover, learn, and peruse.



The second floor is dedicated to transport the visitor back to the early 1900s. Step into the logging boom town of Deward during its heyday to experience the life of a lumberjack.



The main floor is dedicated to learning about the natural resources of our land and how they have been used, how they are used today, and how they may be more-effectively utilized in the future.



Deward Conservation and Discovery Center

The Conservation Cafe

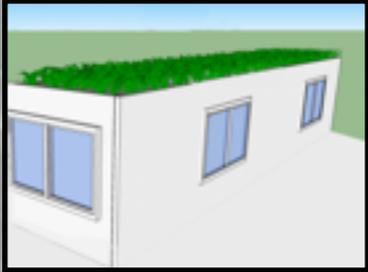
Starters	Mains	Drinks
Roasted Beef & Walnut Salad 6.00	Roasted Squash Potatoes 13.00	Water 3.00
Baby Spinach Salad 6.00	Rustic Pasta 12.50	Smoothie 4.00
Honeycomb Pasta 8.00	Artichoke Pasta 13.50	Fresh Juice 5.00
Edamame 7.00	Mediterranean Wrap 11.00	Organic Smoothie 6.00

— All ingredients in every dish grown at the DC² Rooftop Garden —



DEWARD CONSERVATION AND DISCOVERY CENTER
Conservation Cafe

Stop and savor the flavor of healthy living at the Conservation Cafe and Farmers Market. Lunch and dinner choices made with ingredients grown from the DC² rooftop garden ensures that everyone is sure to find a tasty meal option.



Deward Conservation and Discovery Center



DEWARD CONSERVATION AND DISCOVERY CENTER
Nature Walk

The Tranquility Garden/Nature Walk is a long, leisurely pathway showcasing the beautiful collection of foliage native to Northern Michigan. Placards along the way inform you about each unique plant you encounter on your journey.

Deward Conservation and Discovery Center

Western Sunflower Black-Eyed Susan
Dwarf Lake Iris Pink Lady's Slipper



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- 7.) 'Hike Through History'



Song - Magic Forest by David Arkenstone

Actors - Colleen Klimek, Connor Sullivan

DC² brings the traditional museum into the 21st Century. Medium-range RFID tags sync with the DC² app on both Augmented Reality self-guided tours as well as during the VR Hike Through History out in the stump preserve.



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