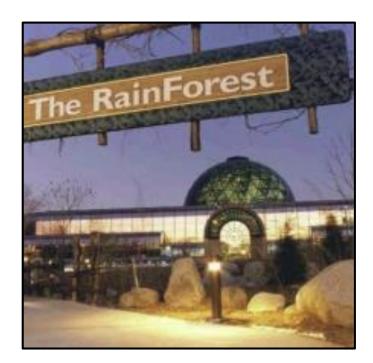


Replacement Guaranteed Maximum Price 1



Opened to much acclaim in 1992, the RainForest has proven a destination for families and tourists, housing over 10,000 plants and 600 animals. The RainForest is one of the most popular exhibits at the Zoo. There are five animals from opening day in 1992 that still live in The RainForest.





Existing geodesic Dome

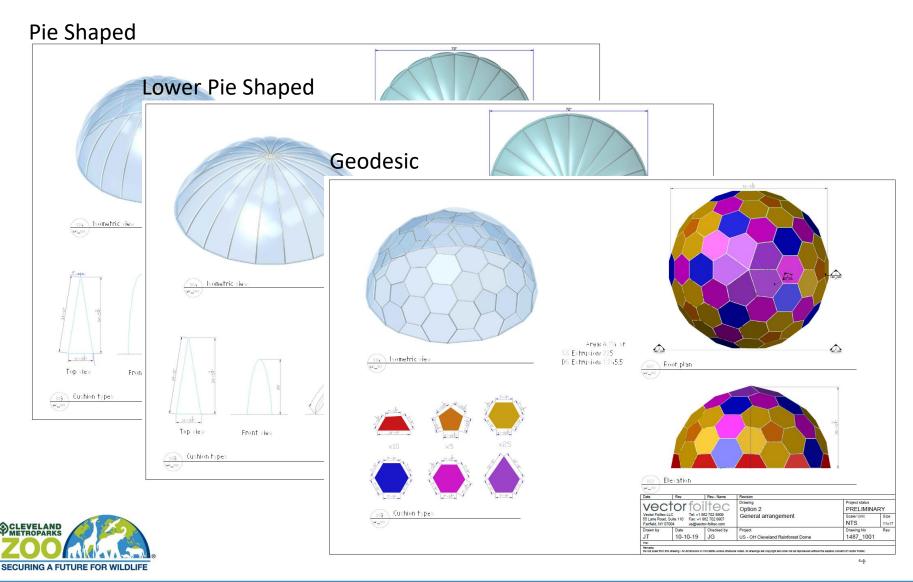
- Acrylic panel failure
- Tinted acrylic does not allow UV penetration into the habitats
- Water infiltration at failing panels and base of dome flashing





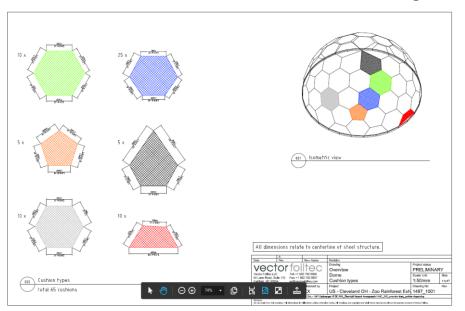


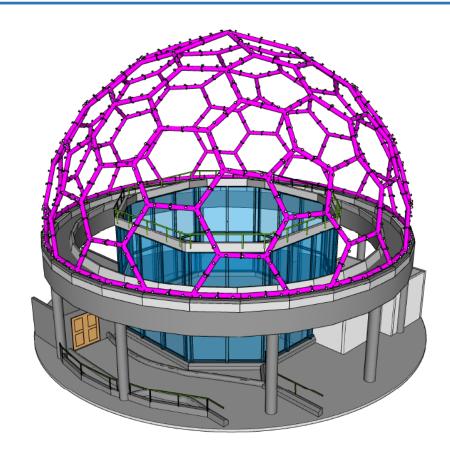
Dome Geometry Options



Dome Geometry

- Replace tinted acrylic geodesic dome with multilayer ETFE clad dome, replicating the primates' natural biome's high level of UV radiation in the habitat
- The dome will be made of six shapes of efficient cushions
- The radius of the dome is similar to the original

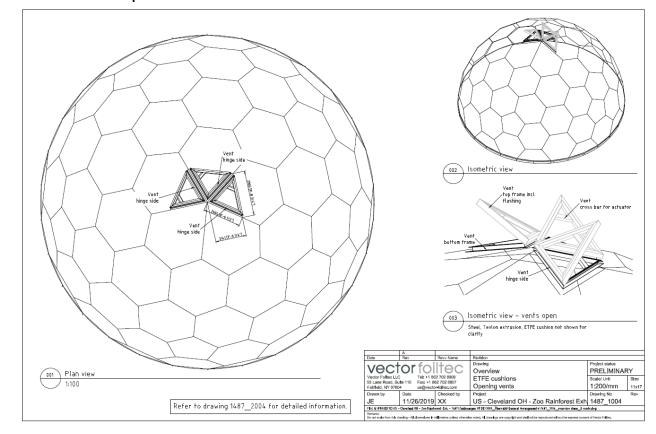






Dome Venting

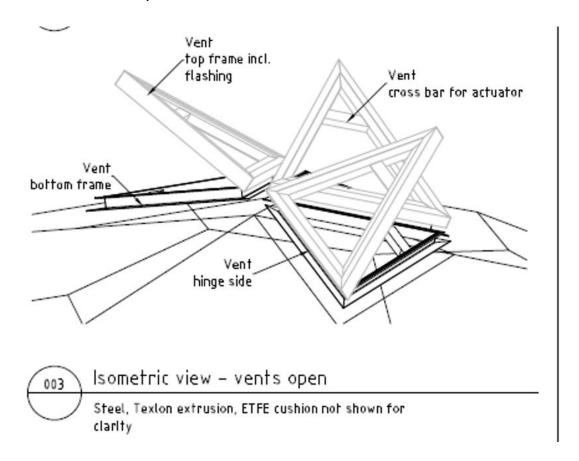
- Provide dome venting to better control the heat build-up and reduce operating cost and energy consumption
- Dome will be provided with three operable vents





Dome Venting

- Provide dome venting to better control the heat build-up and reduce operating cost and energy consumption
- Dome will be provided with three operable vents





Control Solar Transmission

- Apply printed fritting technology to improve the solar control of the building envelope
- ETFE is an extremely transparent material
- The fritting is printed with silver pigments to reflect the solar radiation
- The selected pattern will reduce the UV transmission by approximately 25% vs a non-fritted panel.

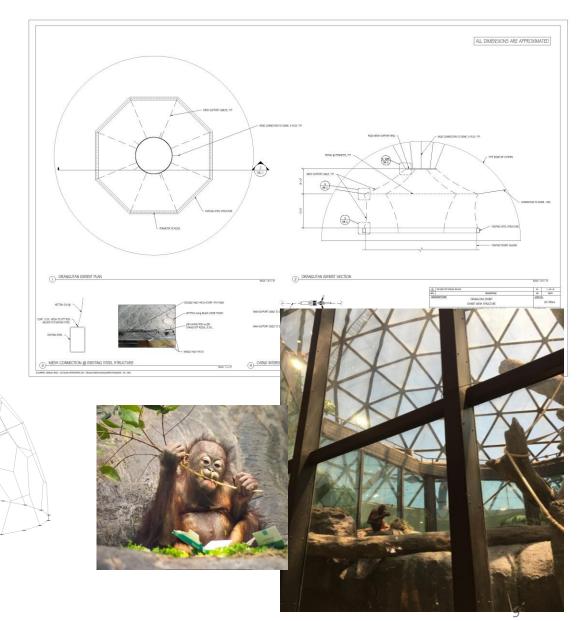
Values	Layers	
	Two	Three
Tvis%	0.54	0.51
SHGC	0.57	0.54
Btu/ft² h°F	0.45	0.33





Habitat improvement

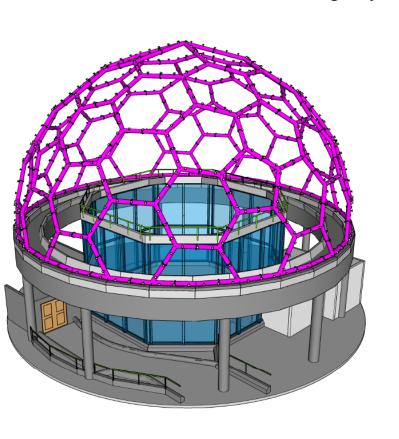
- Fully enclosed orangutan habitat which will allow access to habitat overnight
- Will enhance vertical arboreal nature of the habitat for the good of the orangutans
- Enclosed habitat will accommodate future species





GMP Establishment

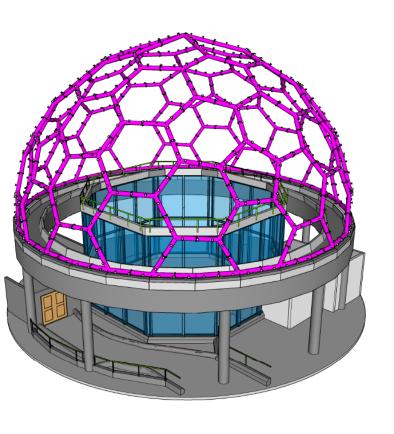
Regency has established the below GMP 1:



<u>Item</u>	Cost
Vector Foiltec Dome Fabrication	\$1,561,090.00
Alt: 3 rd Layer of ETFE	\$ 12,646.00
Alt: ETFE 20% Shade Fritting	\$ 4,534.50
Alt: Three (3) Dome Operable Vents	\$ 83,055.00
Cost of Work Subtotal	\$1,661,325.50
General Conditions (6.32%)	\$ 104,995.77
DB Construction Stage Fee (1.58%)	\$ 26,248.94
DB Fee (2.5%)	\$ 41,533.14
Contingency (2.5%)	\$ 41,533.14
Sprinkler and Vent Control Engineering	\$ 6,000.00
Soffit Design and Evaluation	\$ 11,392.00
Skylight Design and Analysis	\$ 22,292.00
Guaranteed Maximum Price 1	\$1,915,320.49

Total GMP 1 \$1,915,320.49

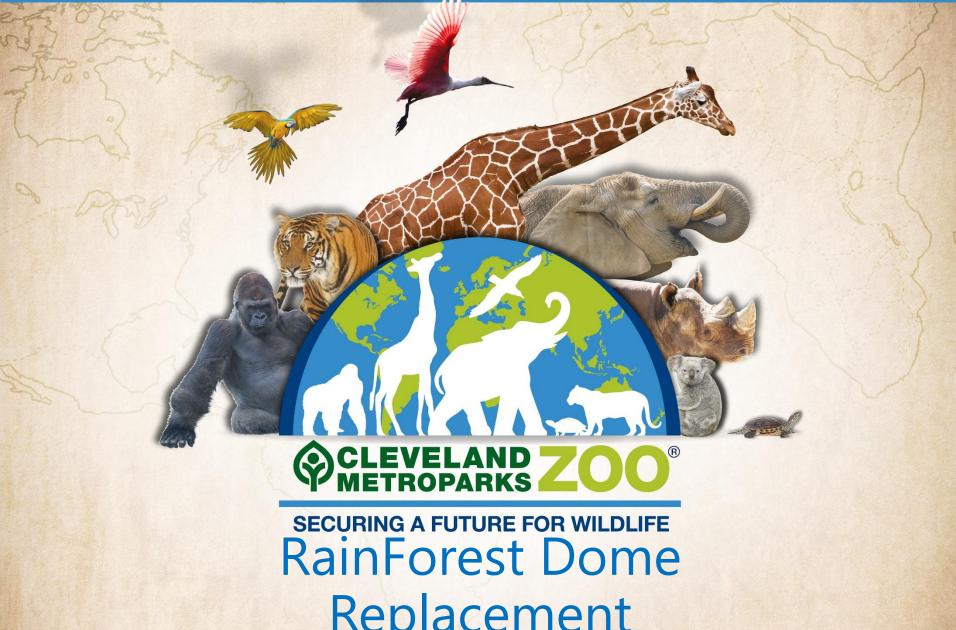




Future GMP 2 Components

- Dome Demolition
- Temp Building Enclosure Systems
- Exhibit Enclosure
- Lightning Protection
- Structural Retrofits
- Sprinkler System Modifications
- Electrical Component Modifications





Replacement Guaranteed Maximum Price 1