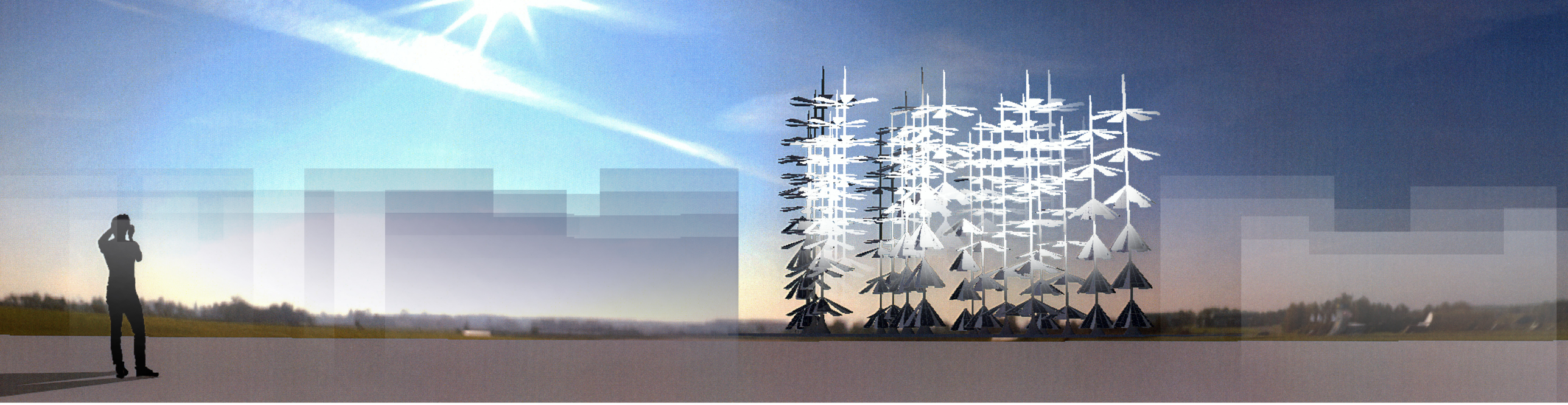
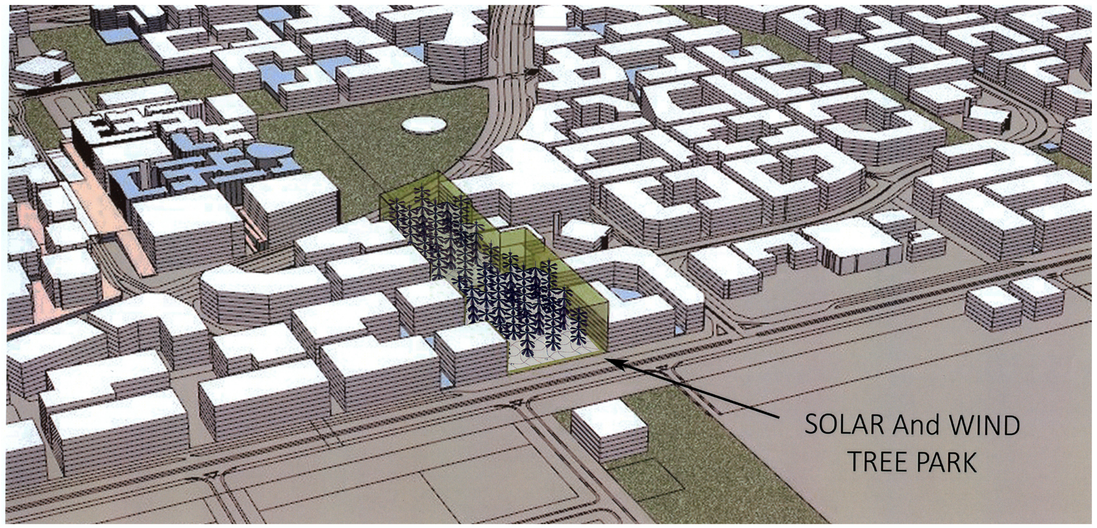
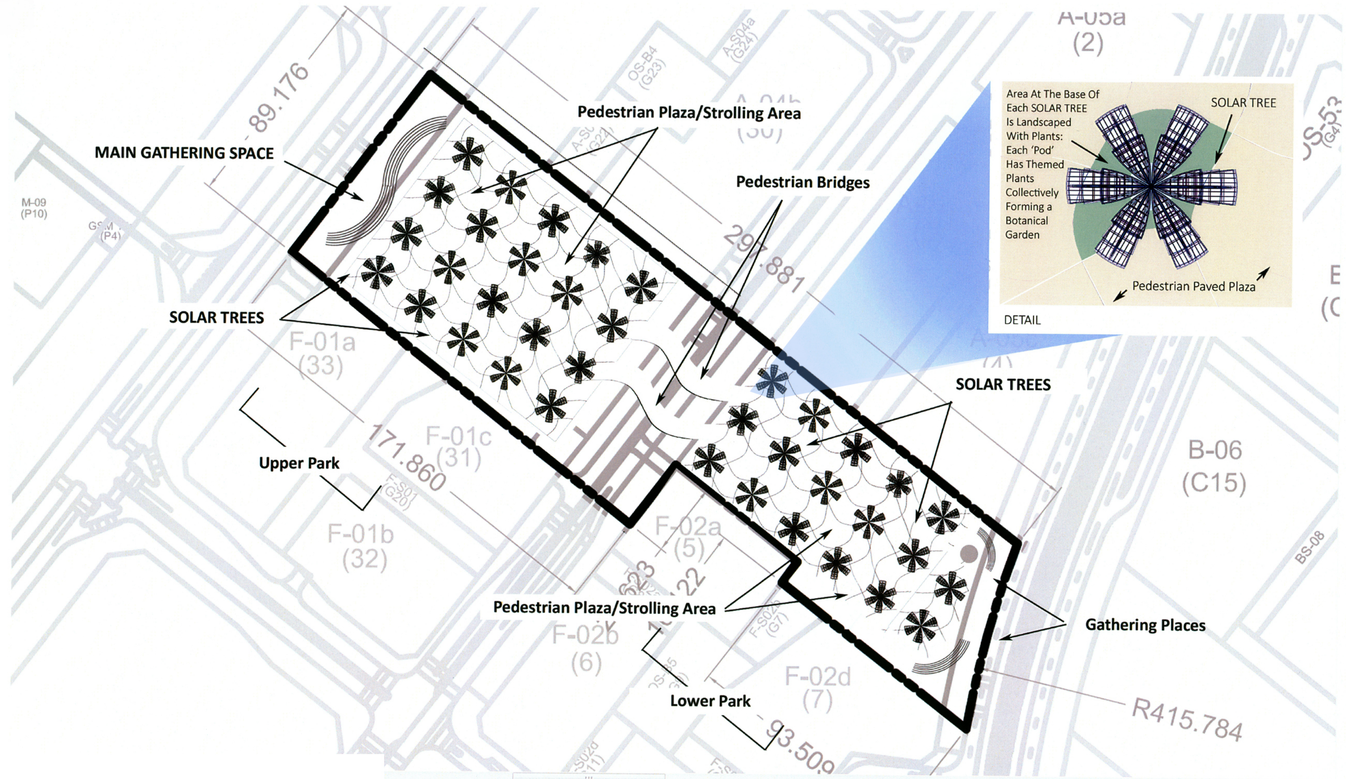
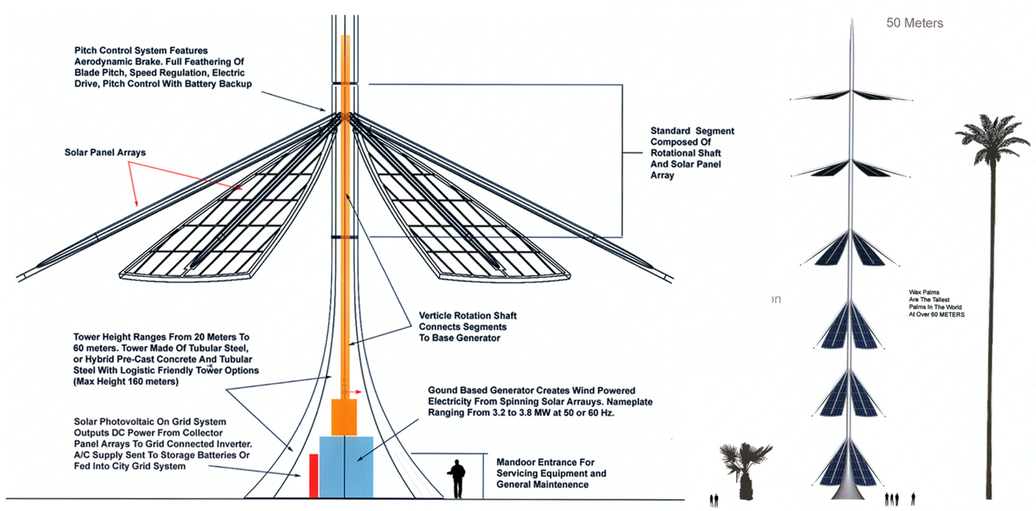
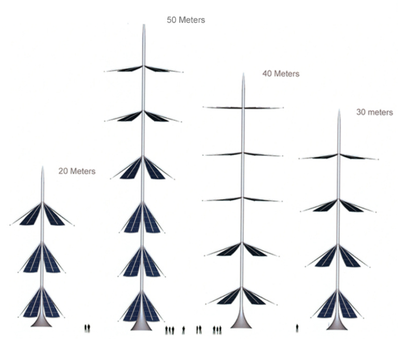
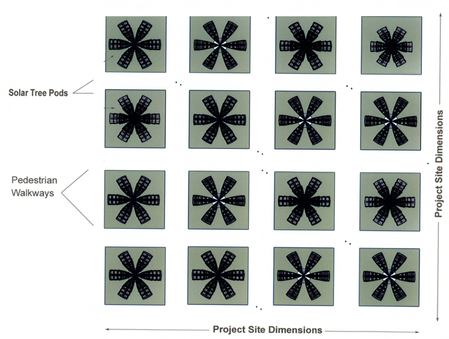


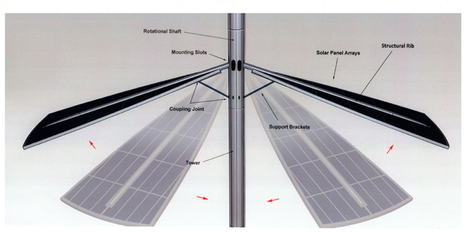

SOLAR And WIND
TREE PARK


MAIN GATHERING SPACE
Pedestrian Plaza/Strolling Area
Pedestrian Bridges
SOLAR TREES
SOLAR TREES
Upper Park
Pedestrian Plaza/Strolling Area
Gathering Places
Lower Park
89.176
297.881
171.860
93.509
R415.784
F-01a
(33)
F-01b
(32)
F-01c
(31)
F-02a
(5)
F-02b
(6)
F-02d
(7)
B-06
(C15)
A-05a
(2)
Area At The Base Of Each SOLAR TREE Is Landscaped With Plants: Each 'Pod' Has Themed Plants Collectively Forming a Botanical Garden
SOLAR TREE
Pedestrian Paved Plaza
DETAIL


Pitch Control System Features Aerodynamic Brake. Full Feathering Of Blade Pitch, Speed Regulation, Electric Drive, Pitch Control With Battery Backup
Solar Panel Arrays
Standard Segment Composed Of Rotational Shaft And Solar Panel Array
Verticle Rotation Shaft Connects Segments To Base Generator
Tower Height Ranges From 20 Meters To 60 meters. Tower Made Of Tubular Steel, or Hybrid Pre-Cast Concrete And Tubular Steel With Logistic Friendly Tower Options (Max Height 160 meters)
Gound Based Generator Creates Wind Powered Electricity From Spinning Solar Arrauys. Nameplate Ranging From 3.2 to 3.8 MW at 50 or 60 Hz.
Solar Photovoltaic On Grid System Outputs DC Power From Collector Panel Arrays To Grid Connected Inverter. A/C Supply Sent To Storage Batteries Or Fed Into City Grid System
Mandoor Entrance For Servicing Equipment and General Maintenence
50 Meters
Wax Palms Are The Tallest Palms In The World At Over 60 METERS


50 Meters
40 Meters
30 meters
20 Meters


Solar Tree Pods
Pedestrian Walkways
Project Site Dimensions
Project Site Dimensions


Rotational Shaft
Mounting Slots
Solar Panel Arrays
Structural Rib
Coupling Joint
Support Brackets
Tower