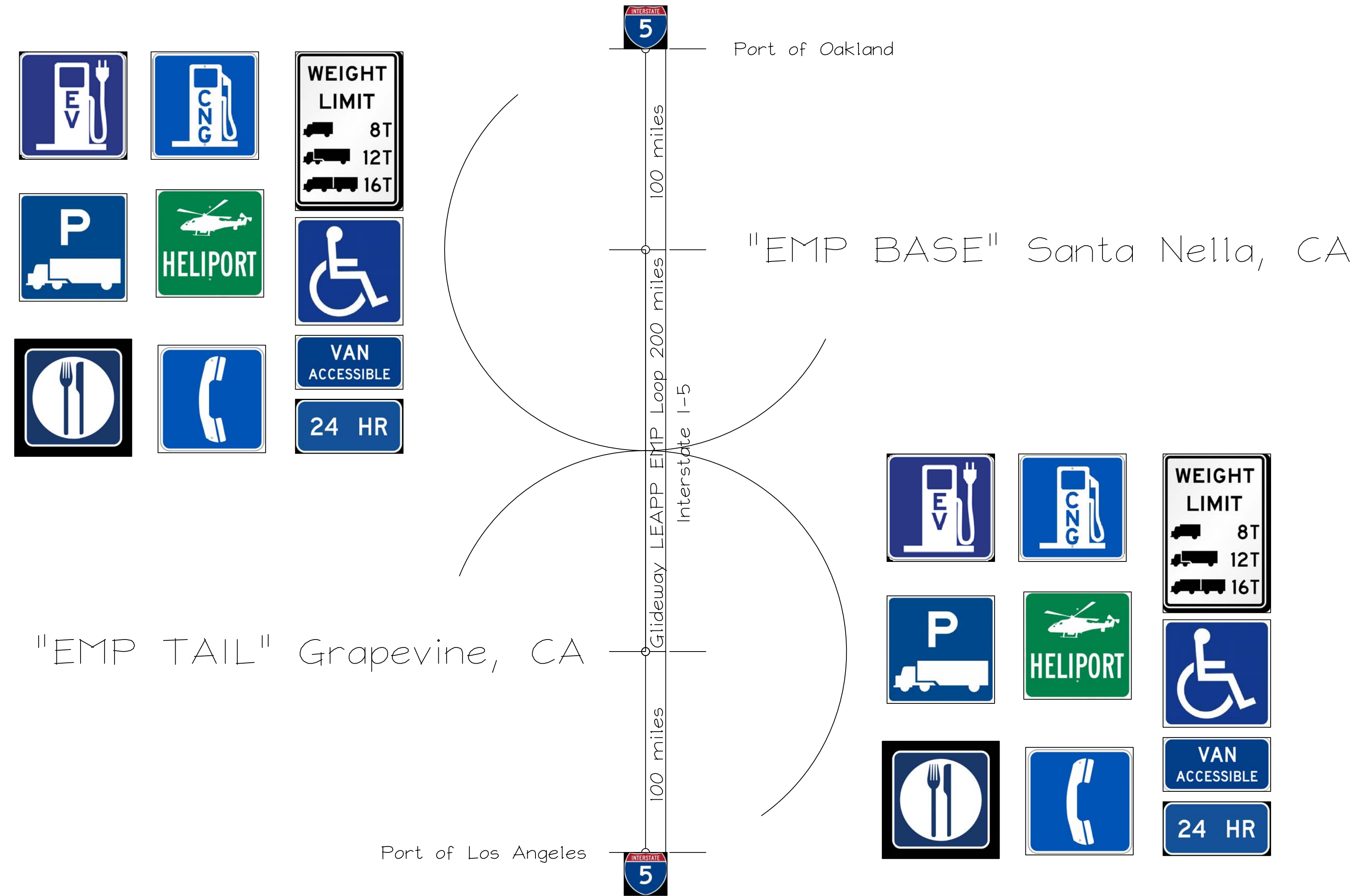


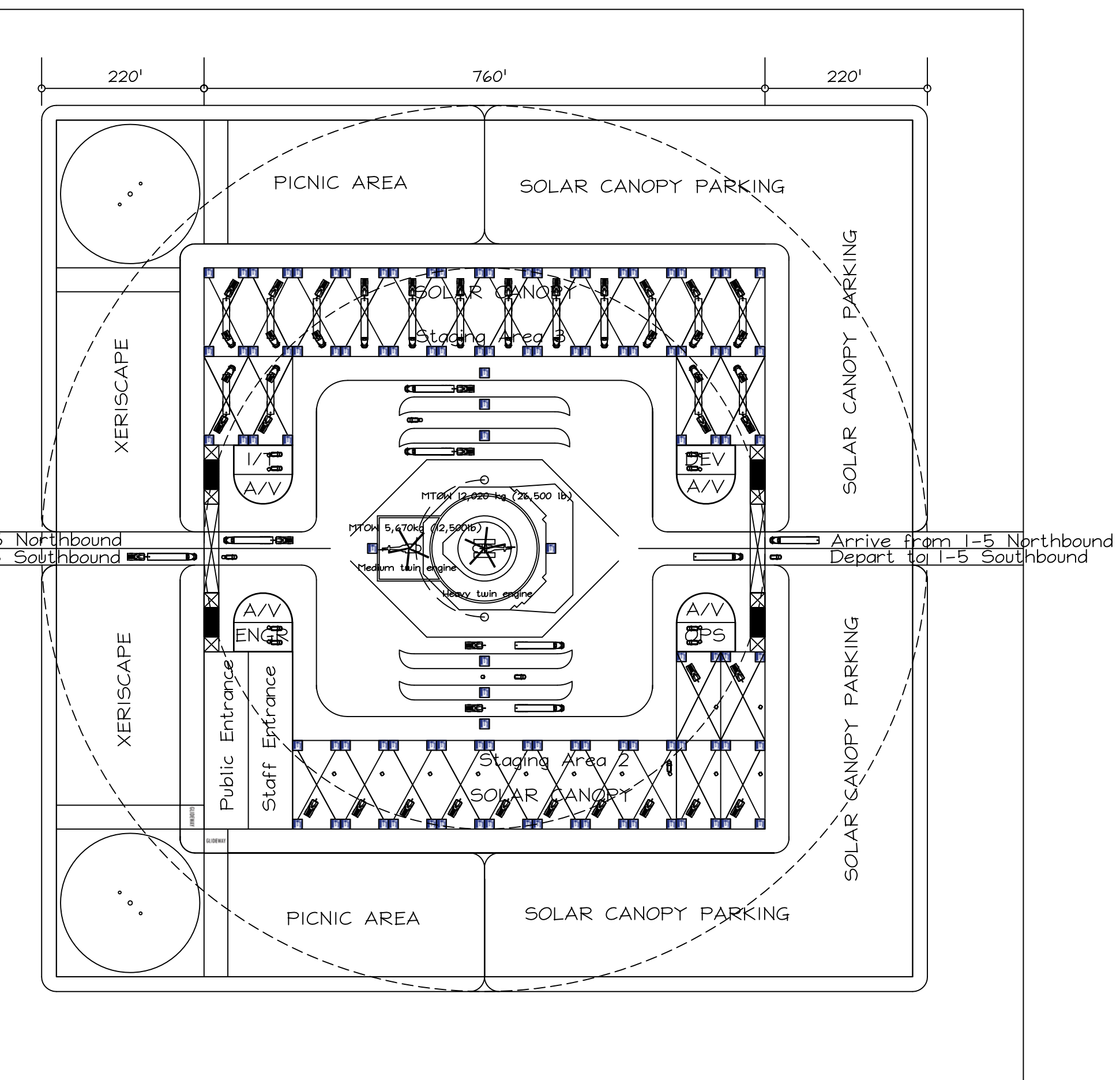
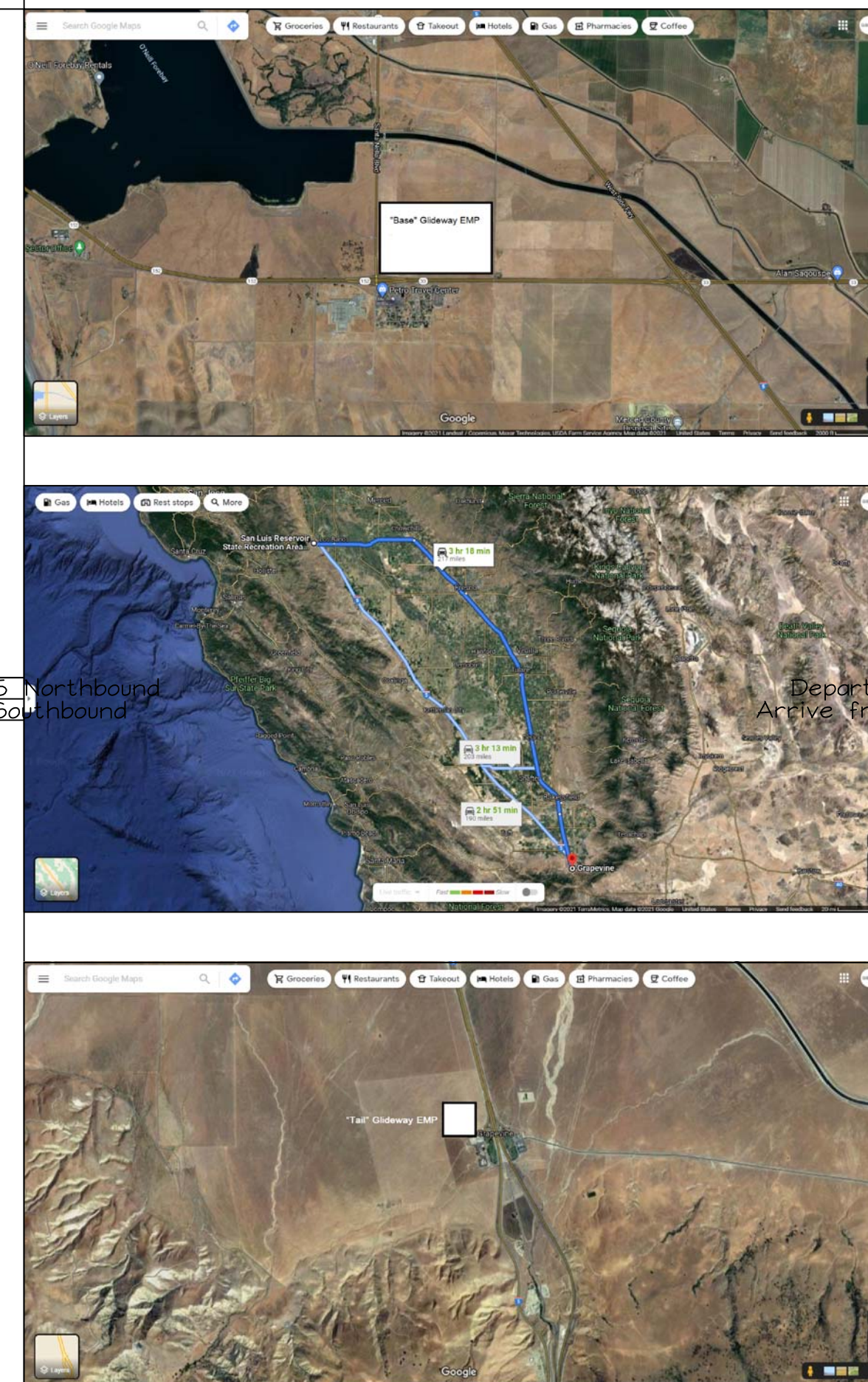
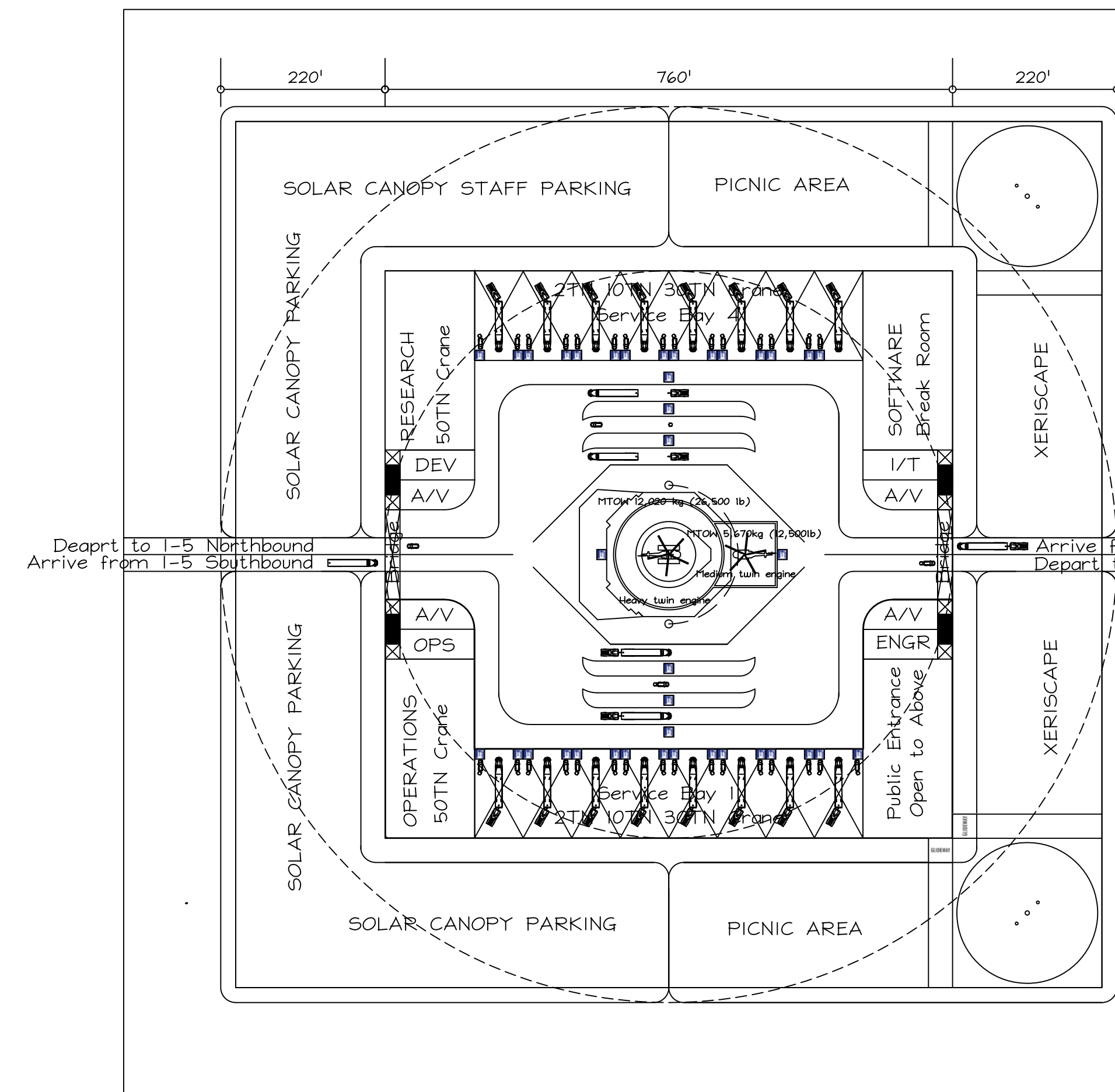
# GLIDEWAY



Glideway LEAPP US Interstate 5 EMP Loop  
 Santa Nella, California, "EMP BASE"  
 Grapevine, California, "EMP TAIL"  
 Shortest distance by land: 200 miles  
 ETT by roadway EV: 65 mph (100 km/h) 3 hours  
 ETT by air EV: 150 mph (250 km/h) 1.5 hours



# GLIDEWAY



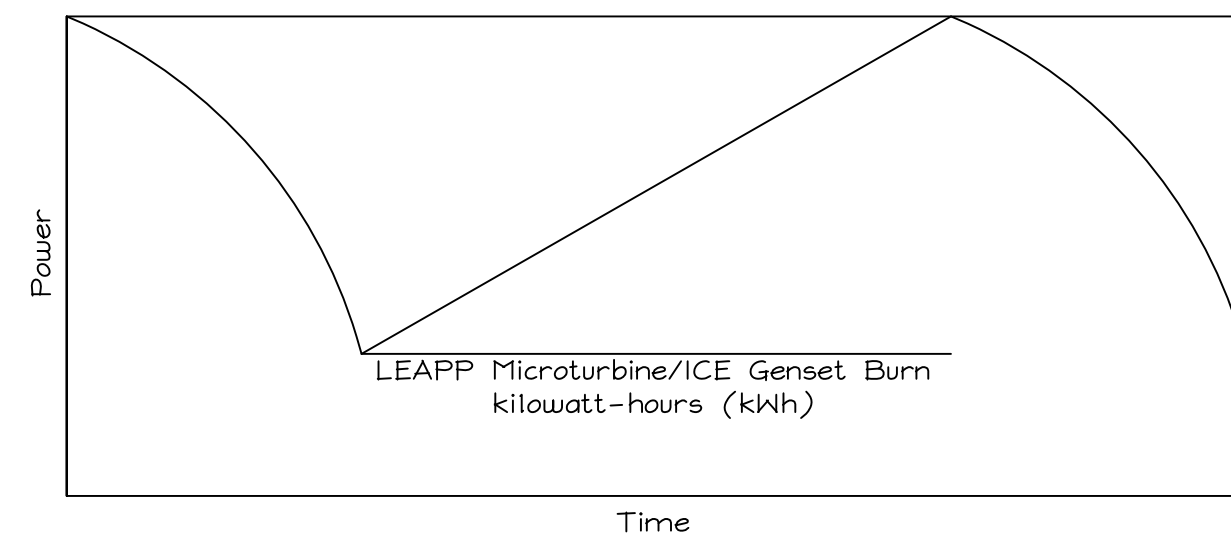
Glideway I-5 "EMP BASE" facility in Santa Nella, California  
 Building area: 577,600 sqft conditioned space  
 Site area: 50.00 acres, square lot.

Glideway I-5 "EMP TAIL" facility in Grapevine, California  
 Building area: 50,000 sqft conditioned space  
 Site area: 50.00 acres, square lot.

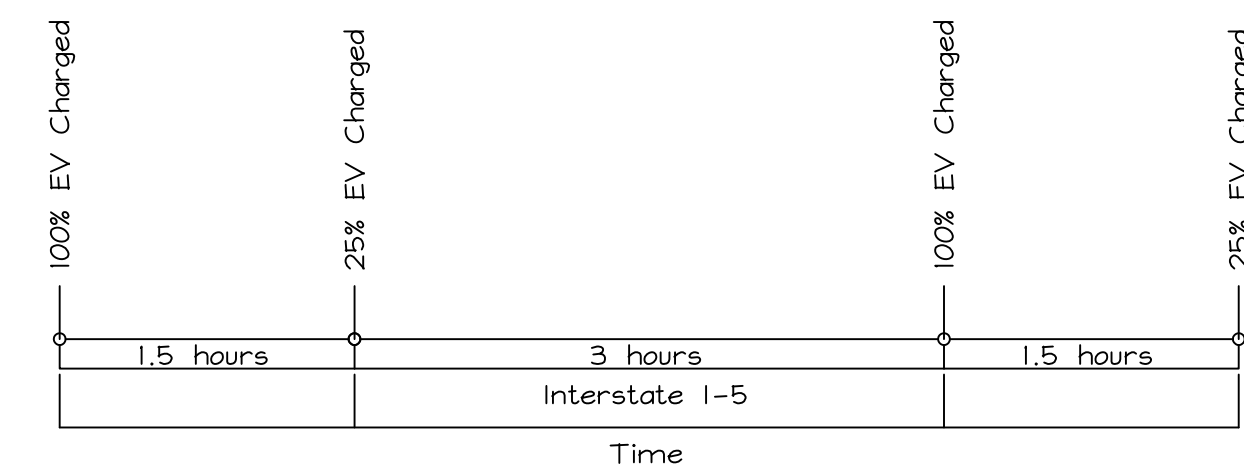
Glideway LEAPP US Interstate 5 EMP Loop  
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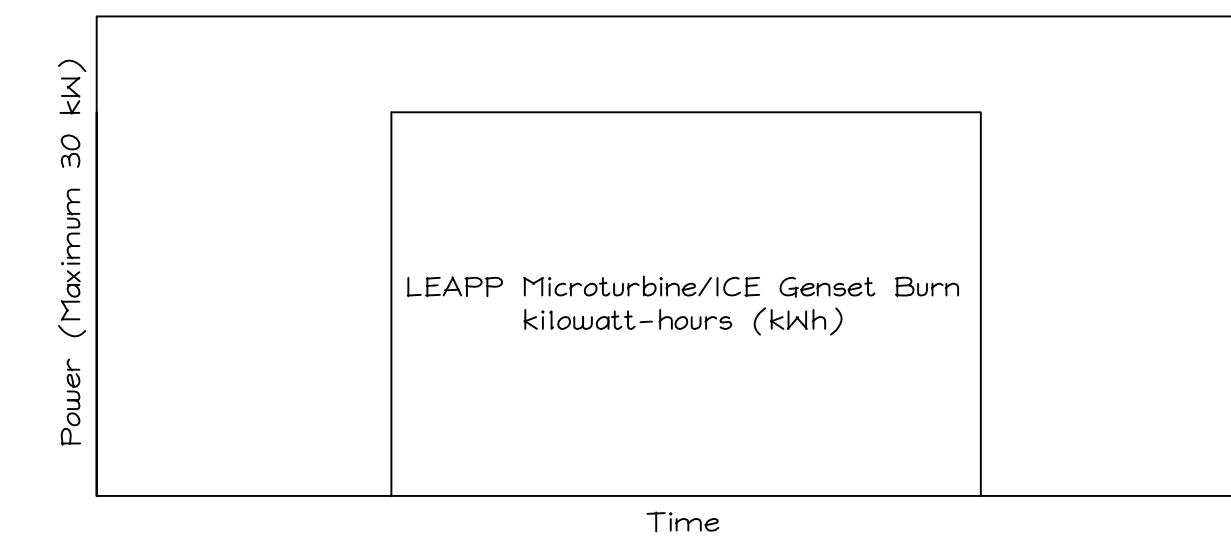
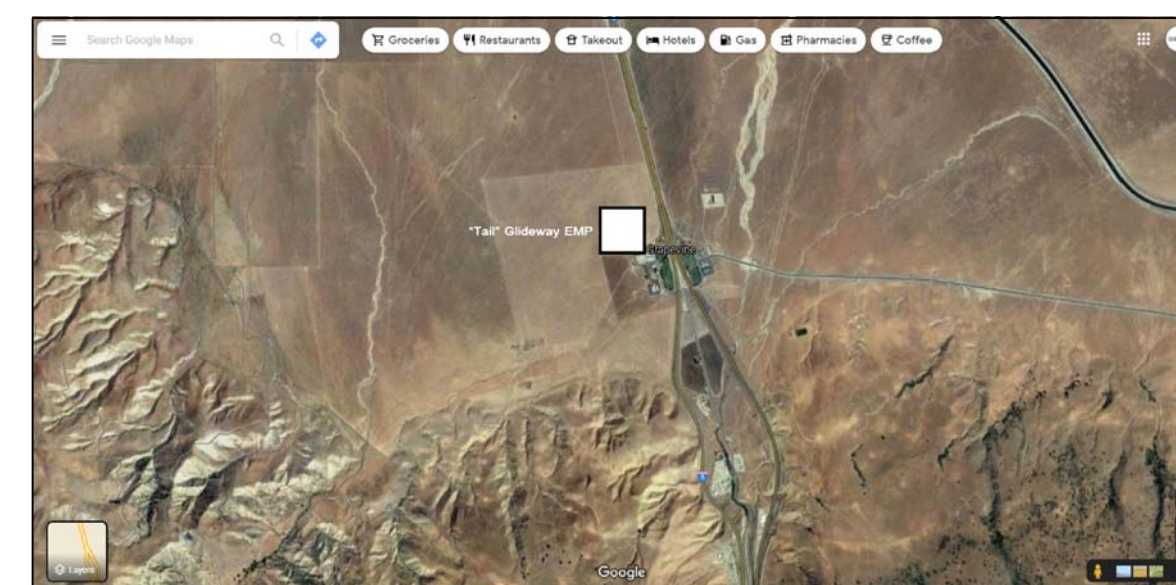
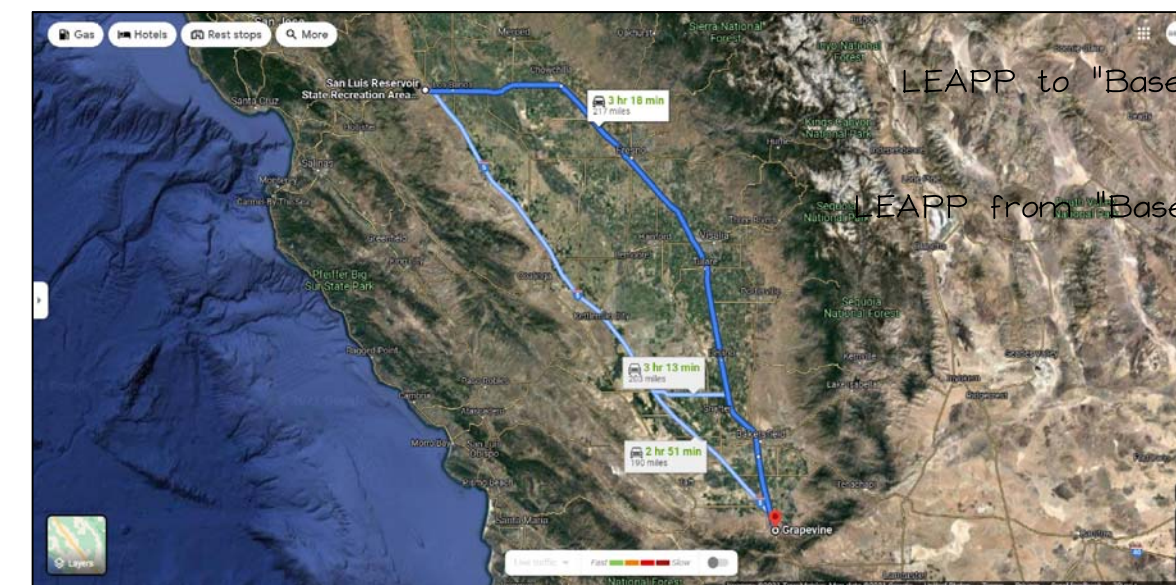
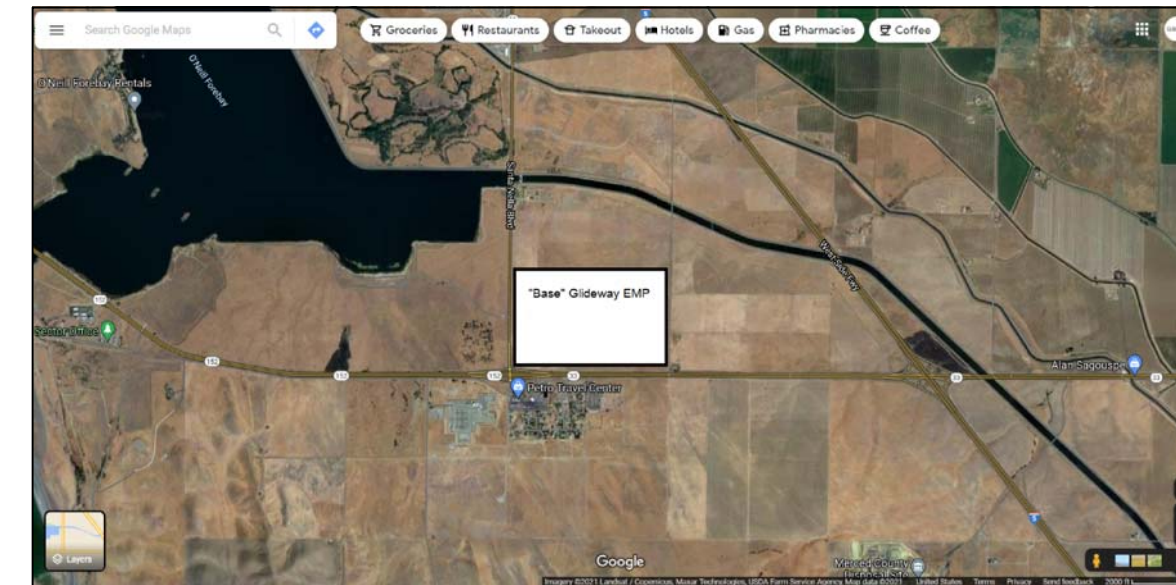
# GLIDEWAY



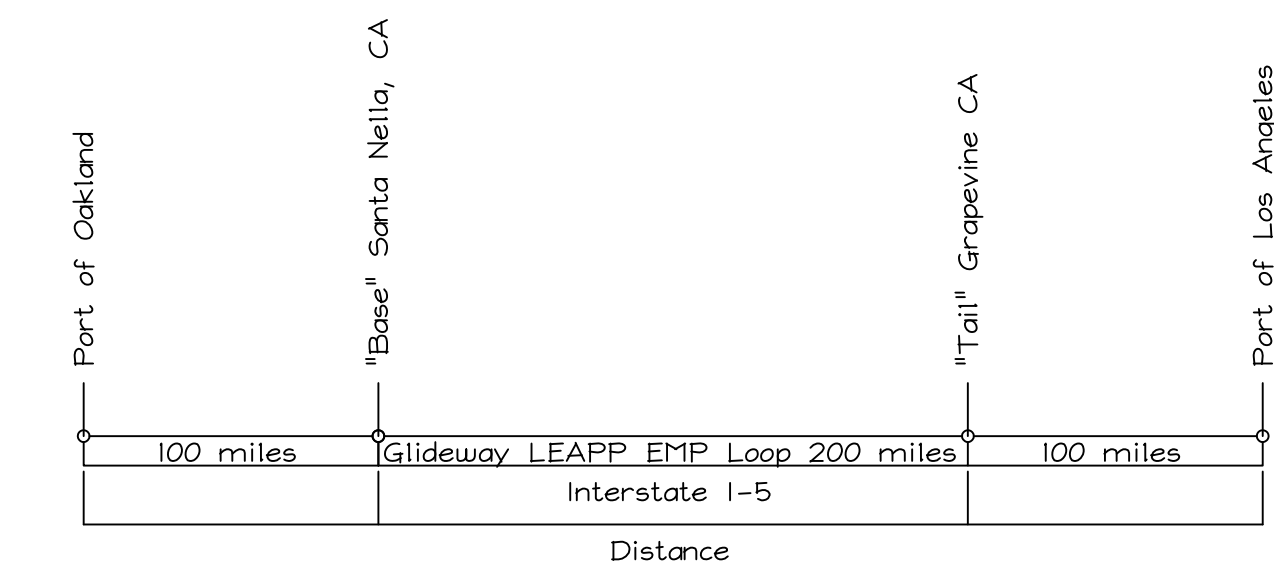
EV Discharge/Recharge Pattern for Tesla Semi with LEAPP Glideway System



EV Semi Bank Charged Levels for Tesla Semi with LEAPP Glideway System



Capstone C30 Microturbine Burn at 26.00% Electrical Efficiency LHV.

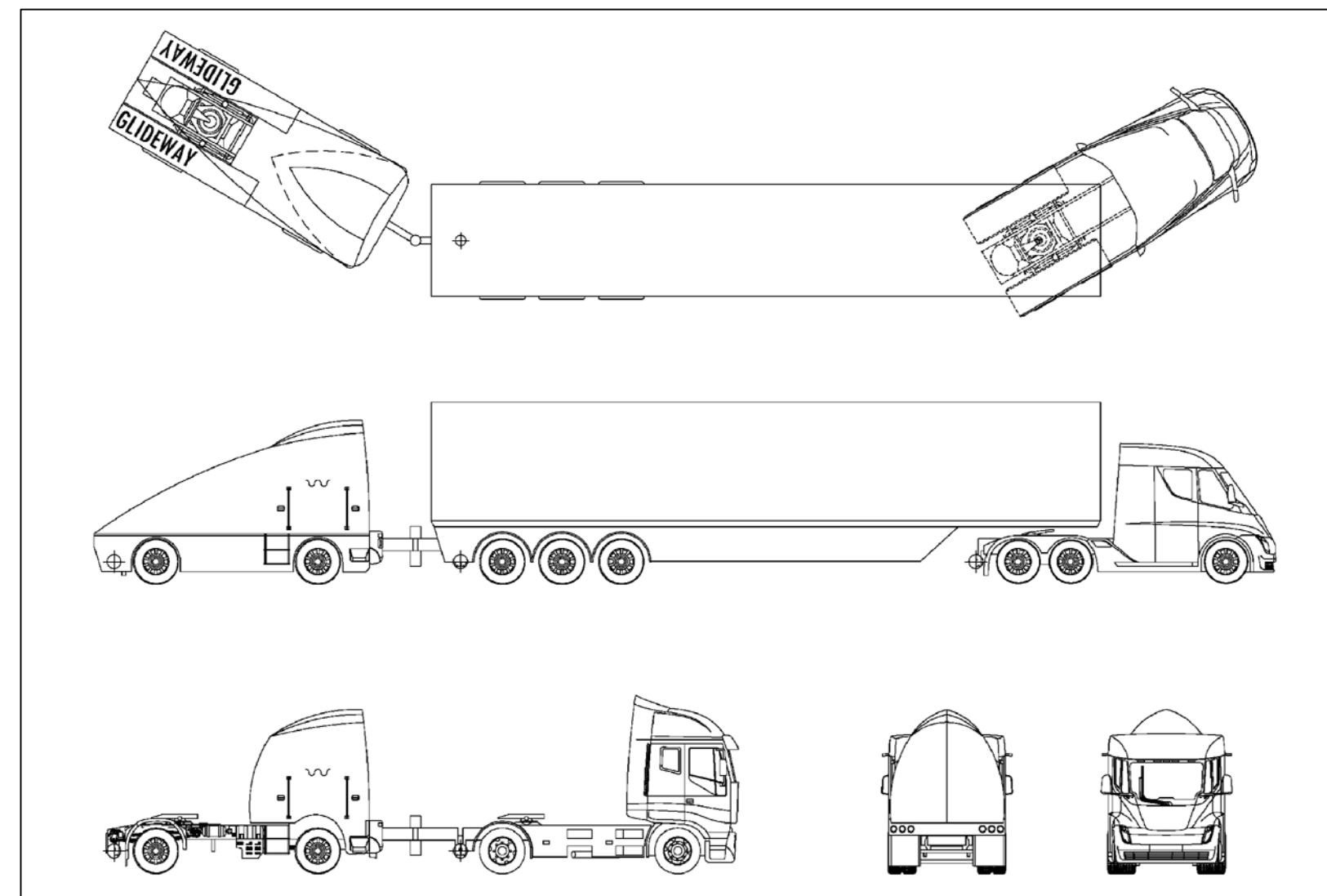


Travel by land distance between Port of Oakland and Port of Los Angeles

Glideway LEAPP US Interstate 5 EMP Loop  
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# GLIDEWAY



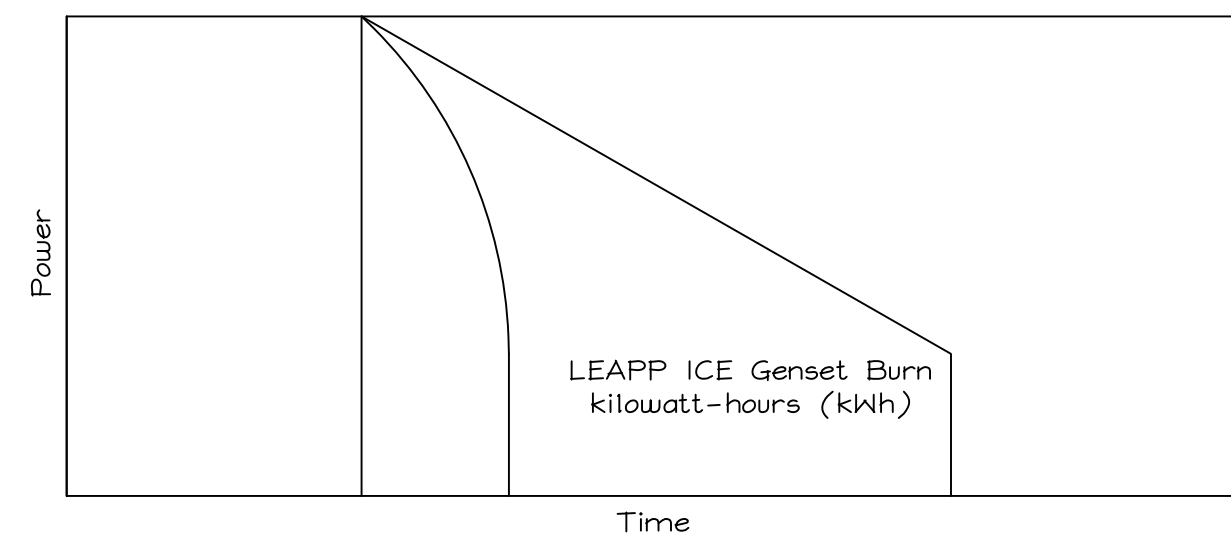
## Capstone Turbine Corporation C30 Microturbine Specifications

Rating: 30 kW  
Electrical Efficiency LHV: 26.00%  
Combined Heat and Power Efficiency: Up to 90%  
Voltage: 400-480 VAC  
Electrical Service: 3-Phase, 4-Wire  
Frequency: 50/60 Hz, Grid Connect 10-60 Hz, Stand Alone  
Depth: 1.5 m (60 in)  
Width: 0.76 m (30 in)  
Height: 1.8 m (70 in)  
Weight: Grid Connect - 405 kg (891 lb); Dual Mode - 578 kg (1,271 lb)  
Net Heat Rate LHV: 13.8 MJ/kWh (13,100 BTU/kWh)  
Compatible Fuels: Natural Gas, Liquid Fuels (Kerosene, Aviation Fuels, Ultra Low Sulfur Diesel #2),  
Biogas (Landfill, Digester), Associated Gas, Sour Gas, Propane Gas  
Exhaust Temperature: 275C (530F)  
Exhaust Gas Flow: 0.31 kg/s (0.68 lbm/s)

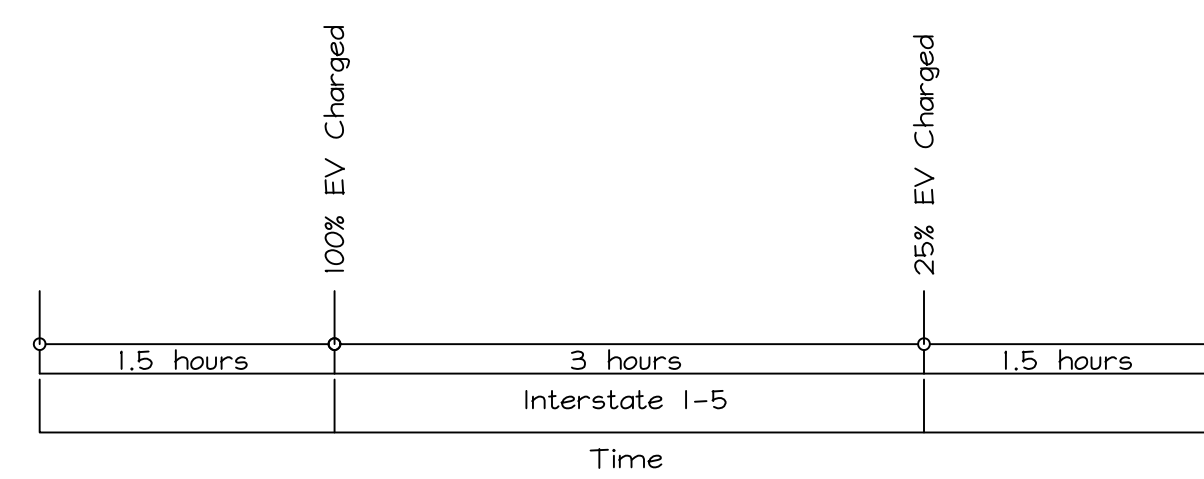
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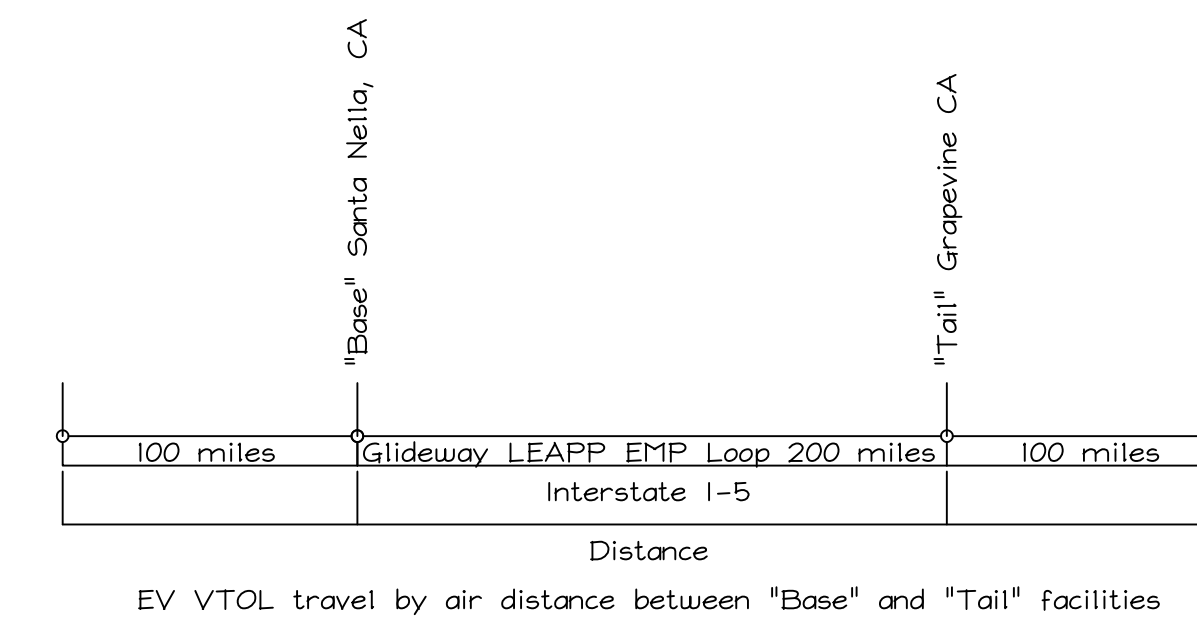
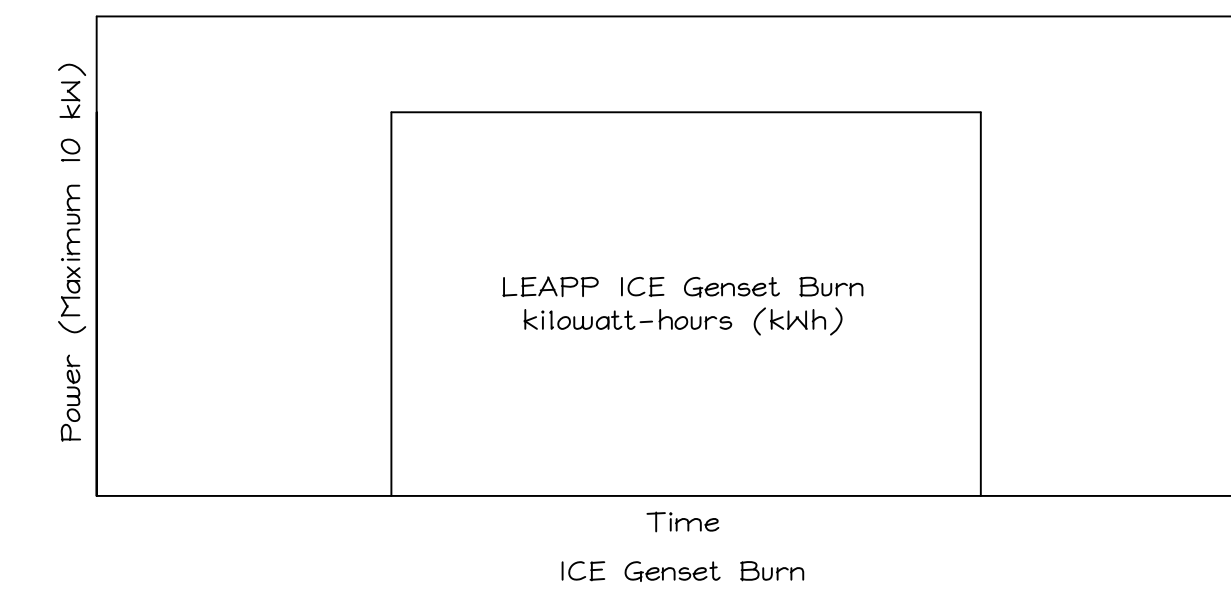
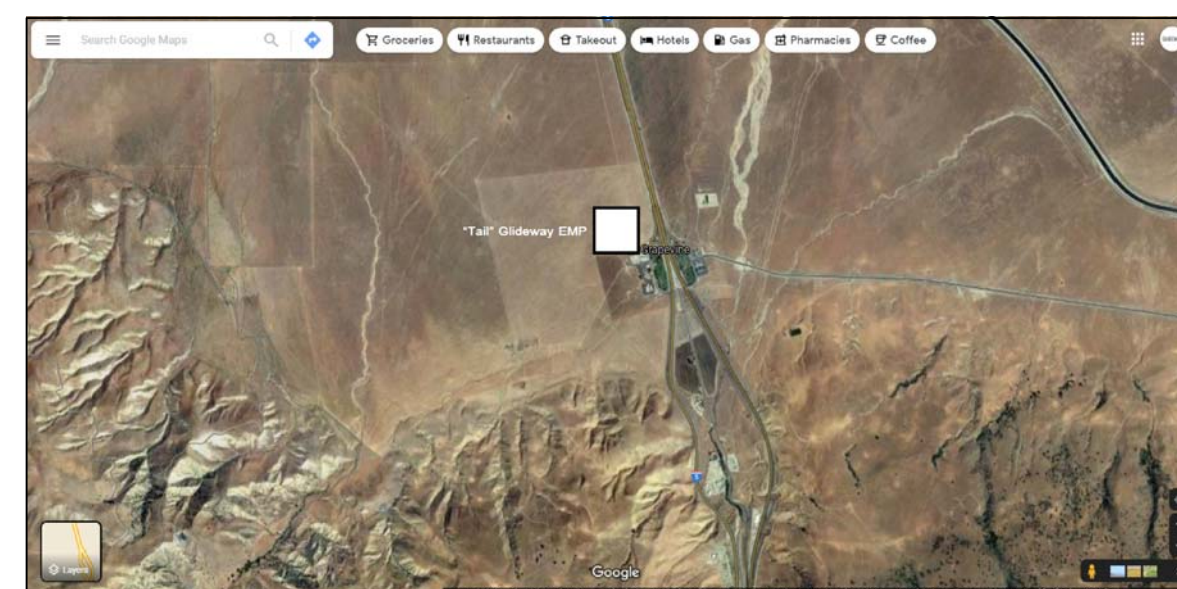
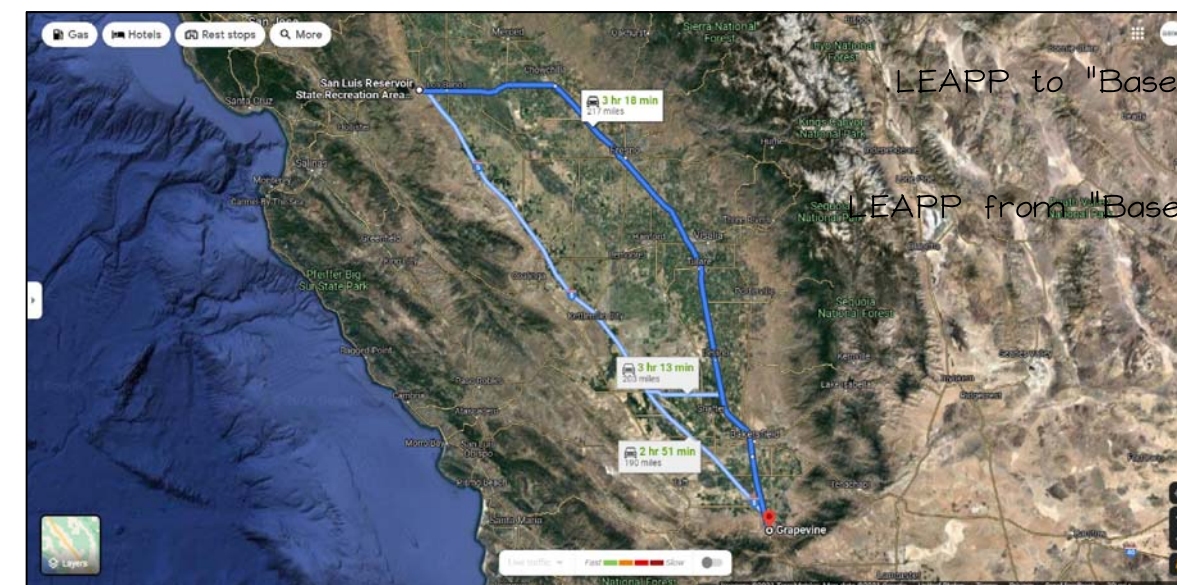
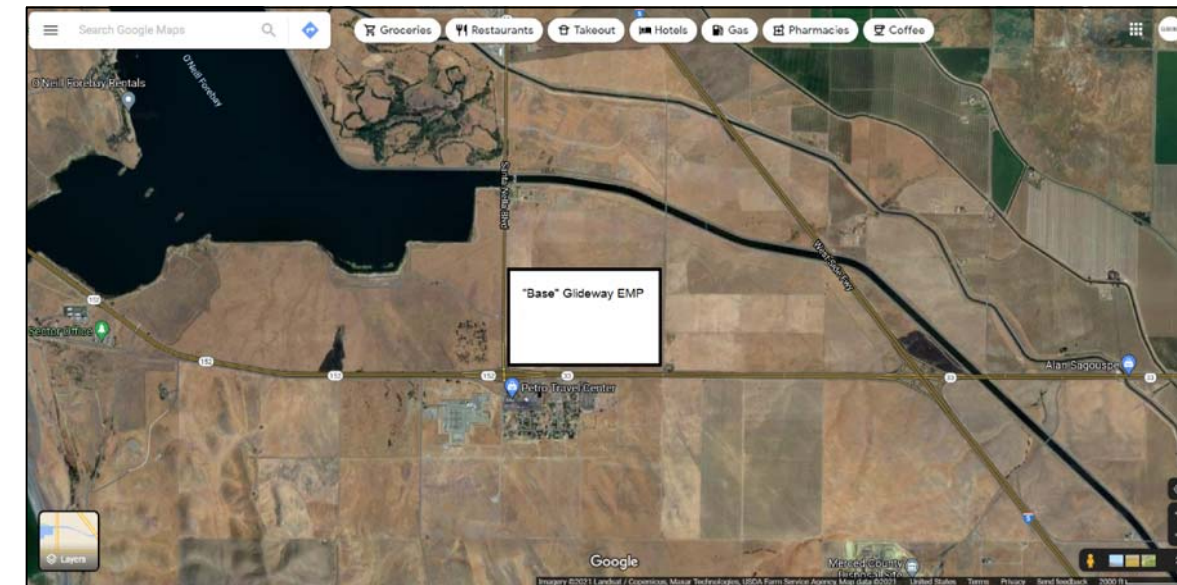
# GLIDEWAY



EV Discharge/Recharge Pattern for Airbus CityAirbus VTOL with LEAPP Glideway System



EV VTOL Bank Charged Levels for Airbus CityAirbus VTOL between "Base" and "Tail"



Glideway LEAPP US Interstate 5 EMP Loop  
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# GLIDEWAY

**CityAirbus**  
A multi-passenger, self-piloted electric vertical takeoff and landing (VTOL) demonstrator designed for urban air mobility with cost efficiency, high-volume production and a low environmental footprint in mind.

**AUTONOMY**  
15 minutes

**ENGINES**  
• 8 fixed pitch propellers powered by ducted fans engines  
• 8 x 100 kW electric motors

**SIZE**  
Compact size for ideal integration into urban landscapes

**BATTERIES**  
• 140 kW power x 4 batteries  
• 110 kWh energy in all 4 batteries

**CAPACITY**  
Transports up to 2 passengers

**CRUISE SPEED**  
120 km/h

**DUCTED HIGH RPM PROPELLION UNITS**  
Designed for efficiency, low acoustic footprint and safety

**Making CityAirbus a reality**

2015	2016	2017	2018	2023
<b>Feasibility study</b> Study confirms that CityAirbus will meet regulatory cost targets and safety requirements for the market for public use	<b>Full scale component testing</b> Key technologies demonstrated at full size	<b>Flight testing with small scale drone</b> Control algorithms and flight software developed	<b>Demonstrator team created</b> Conceptual team of highly experienced and motivated engineers set up	<b>Full size demonstrator</b> Full scale in flight demonstration and verification of full electric, RPM-controlled multi-propeller vertical ascent and landing (VTOL)

**Benefits of adding the third dimension to urban transport networks**

- URBAN DEVELOPMENT**  
The third dimension increases the geographic accessibility to transit in urban areas of the city
- HIGHER SPEED AND RANGE**  
Self-piloted flying vehicles can operate at three times the speed of the average road vehicle and electrically powered aircraft reach by road
- ENVIRONMENTAL FOOTPRINT**  
Self-piloted flying vehicles are fueled by electricity and are energy efficient

**AIRBUS**



## Airbus CityAirbus electrically-powered VTOL Specifications:

Aircraft type: eVTOL technology demonstrator  
 Piloting: Autonomous  
 Cruise speed: 120 km/h (75 mph, 65 kn)  
 Range: 60 miles, traveling at 75 miles per hour  
 Endurance: 15 minutes  
 Max takeoff weight: 2,200 kg (4,850 lb)  
 Length: 8 m (26 ft 3 in)  
 Wingspan: 8 m (26 ft 3 in)  
 Propellers: 8 propellers  
 Electric Motors: 8 electric motors  
 Power source: Batteries  
 Fuselage: Carbon fiber composite  
 Landing gear: Skid type landing gear

Safety features: Distributed Electric Propulsion (DEP), provides safety through redundancy for its passengers and/or cargo. DEP means having multiple propellers (or ducted fans) and motors on the aircraft so if one or more propellers (ducted fans) or motors fail, the other working propellers (or ducted fans) and motors can safely land the aircraft.

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# GLIDEWAY



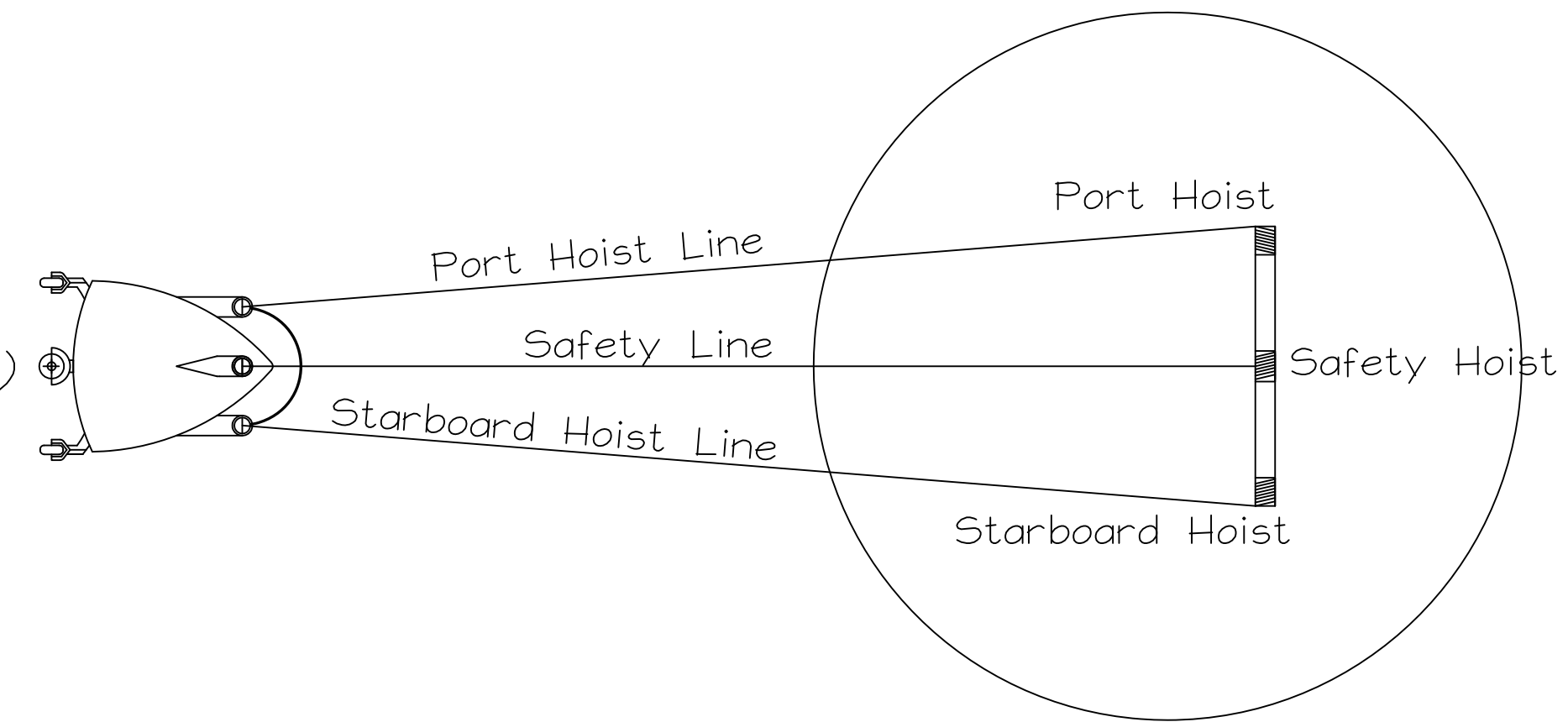
The Sikorsky Aircraft Corporation and the X2 Technology Demonstrator  
Proposed eVTOL variant, supported by Glideway System.

Cruise speed: TBD  
Range: Unlimited, with Glideway System  
Endurance: Unlimited, with Glideway System  
Max takeoff weight: TBD  
Main rotor diameter: 2 x 26 ft 5 in (8.05 m)  
Electric Motors: 3 electric motors  
Power source: Batteries  
Turbine Auxiliary: Glideway System

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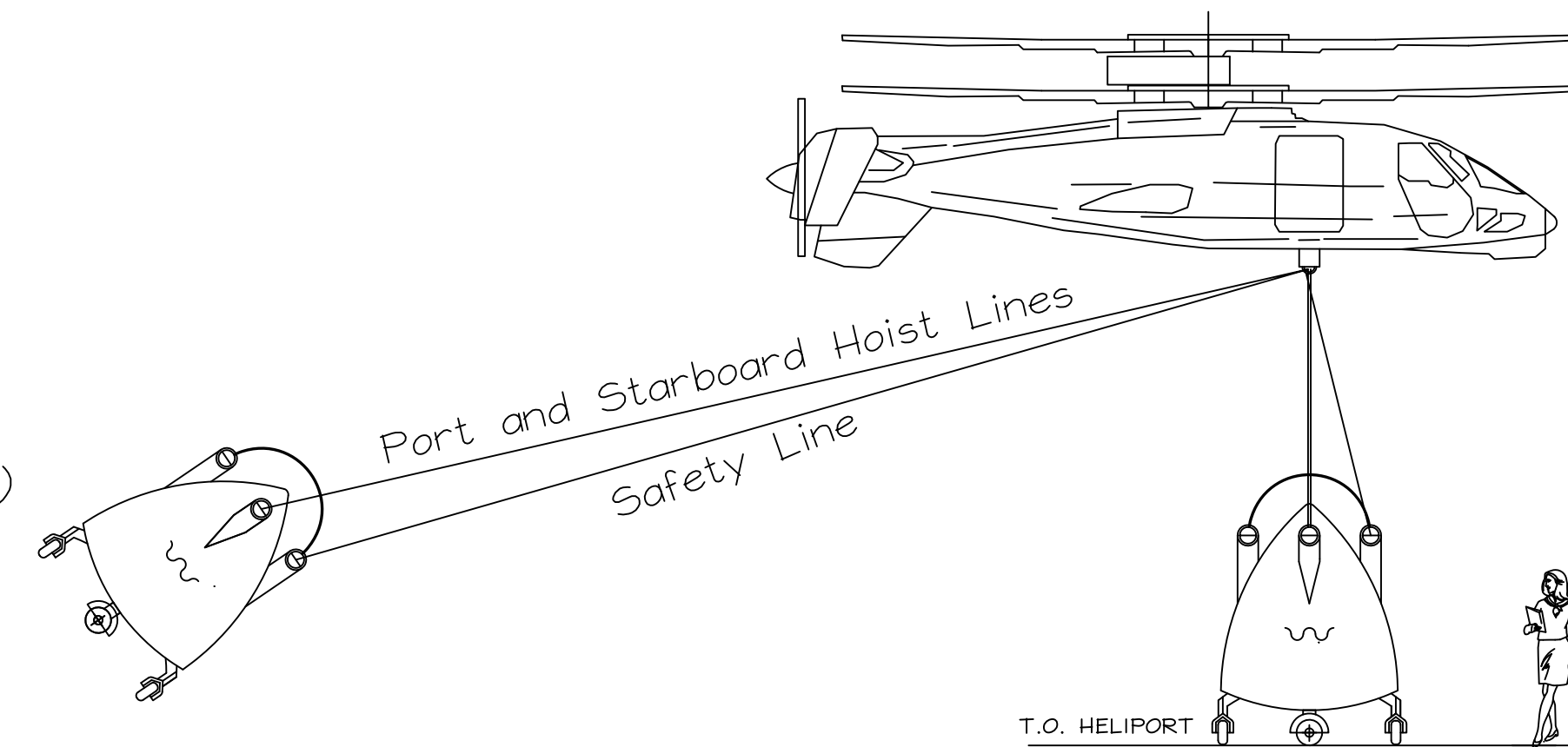
# GLIDEWAY

Glideway System. Top View at 290 mph (460 km/h, 250 kn)



The Sikorsky Aircraft Corporation and the X2 Technology Demonstrator as a proposed eVTOL variant, supported by Glideway System

Glideway System. Side View at 290 mph (460 km/h, 250 kn)



Glideway System. Side View at 0 mph (0 km/h, 0 kn)

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