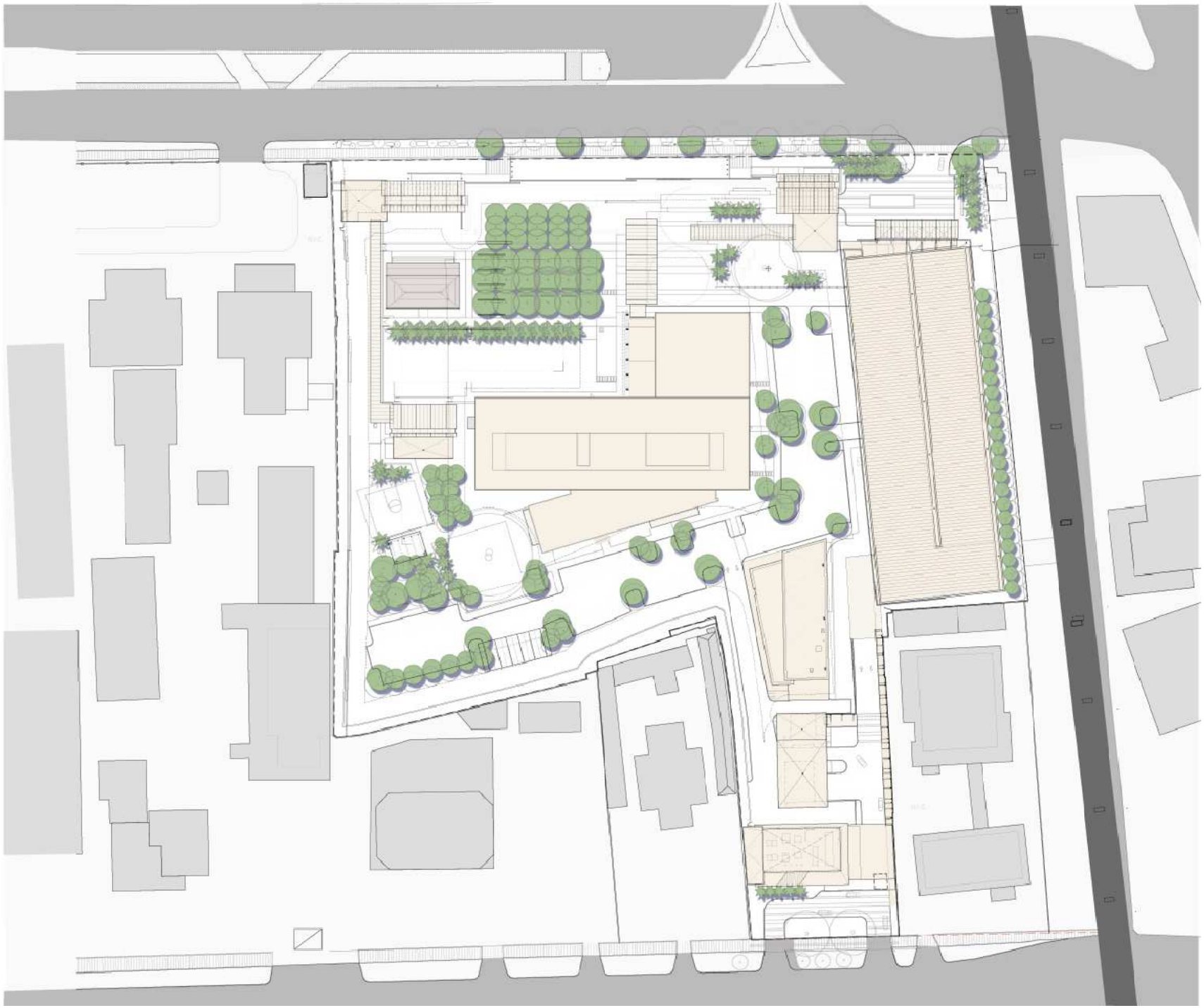
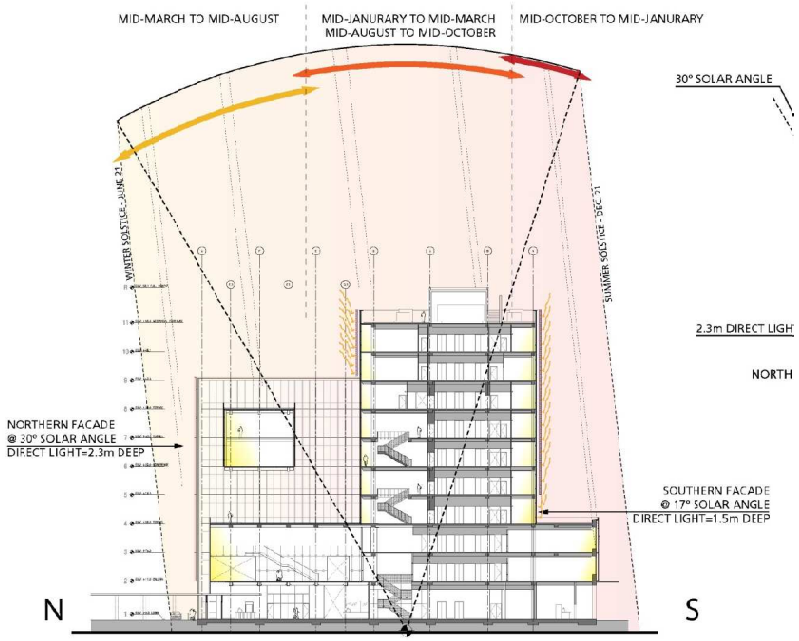
EMBASSY COMPOUND OF THE UNITED STATES OF AMERICA

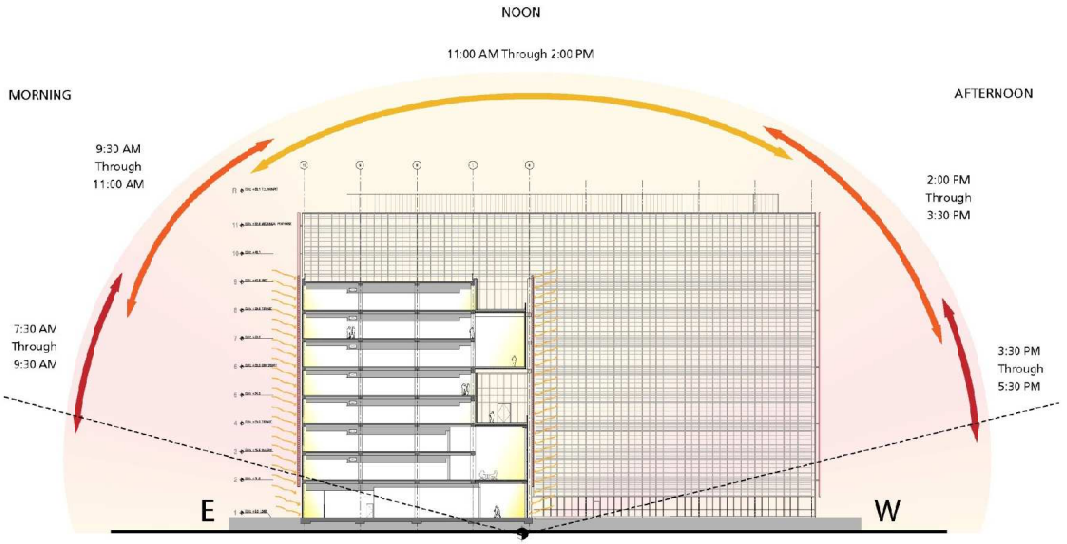
Location: **Jakarta, Indonesia**
Involvement: **Project Designer - Exterior & Consular Access Buildings**
Duration: **SD & DD (6 months)**

The United States government is planning to build a new Embassy on the site of its existing diplomatic compound in central Jakarta. The new Chancery will replace a complex of low-rise buildings which have become inadequate as the needs of the mission have grown. The new compound will allow the Embassy to consolidate US agencies on a single site in secure and modern facilities. In addition to a new ten story Chancery, the redeveloped compound will include a four story parking structure for 405 vehicles, a two story annex for facility maintenance support, a utility building, a US Marine Guard residence attached to the Chancery, an historic building reconstruction and three entry screening pavilions. Landscape integration, water mitigation, energy consumption, and solar heat gain have been addressed in the design to meet the US Department of State goal for this project of a LEED rating as established by the US Green Building Council.


UNITED STATES EMBASSY
JAKARTA



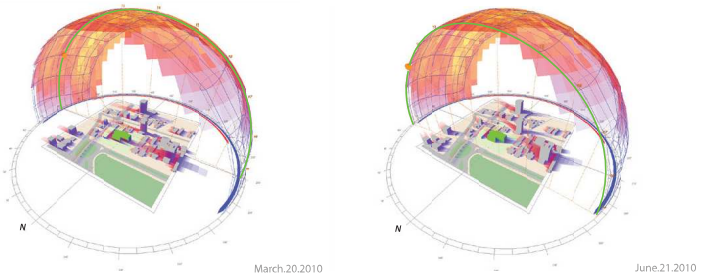


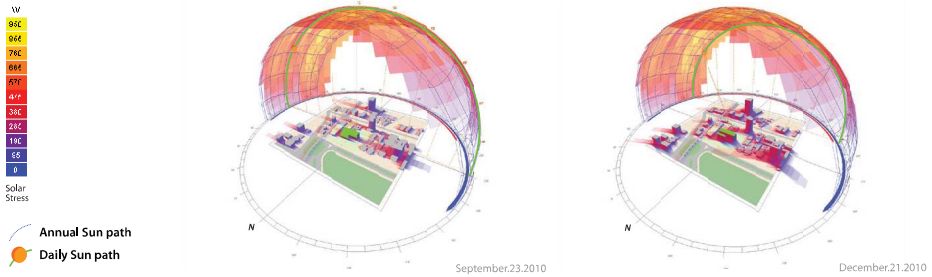


Sun Shade Analysis

Coordinates
Latitude : 6° 12' 0" S
Longitude: 106° 48' 0" E

Shadow Range
09:00~18:00





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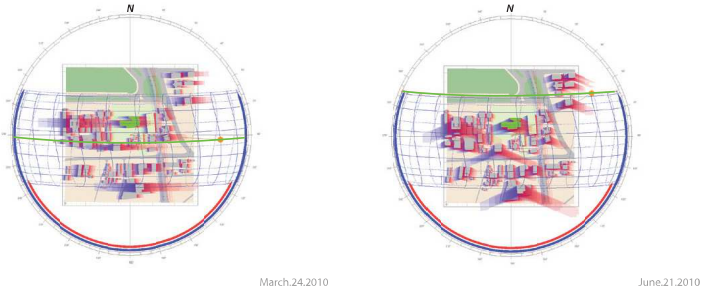
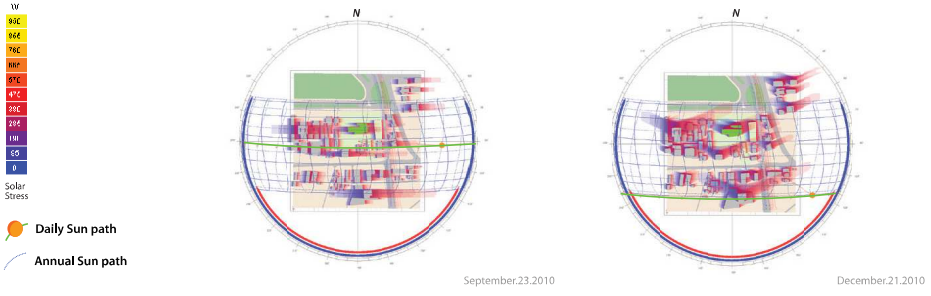
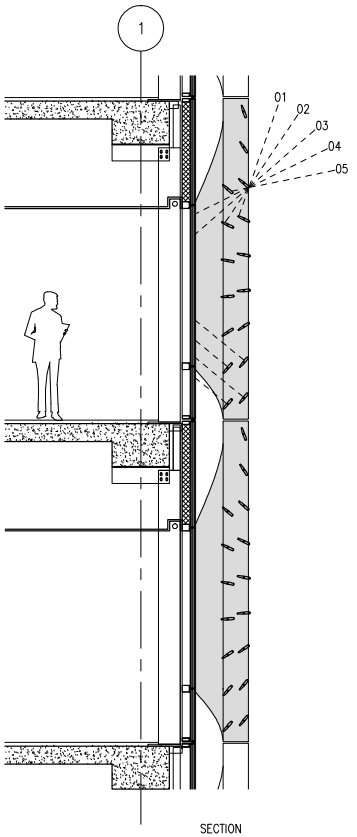


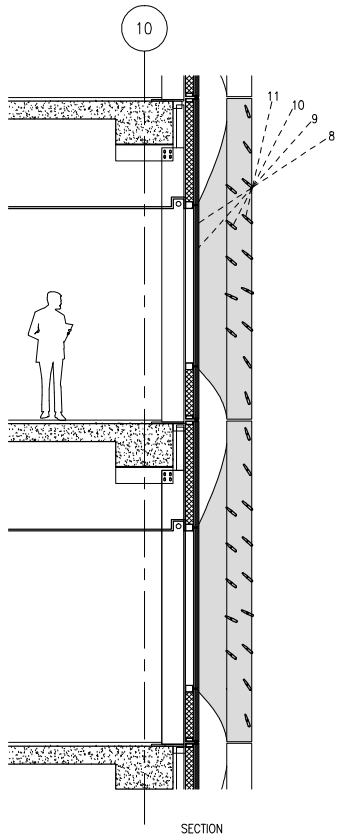


WEST FACADE
–SEPT 21

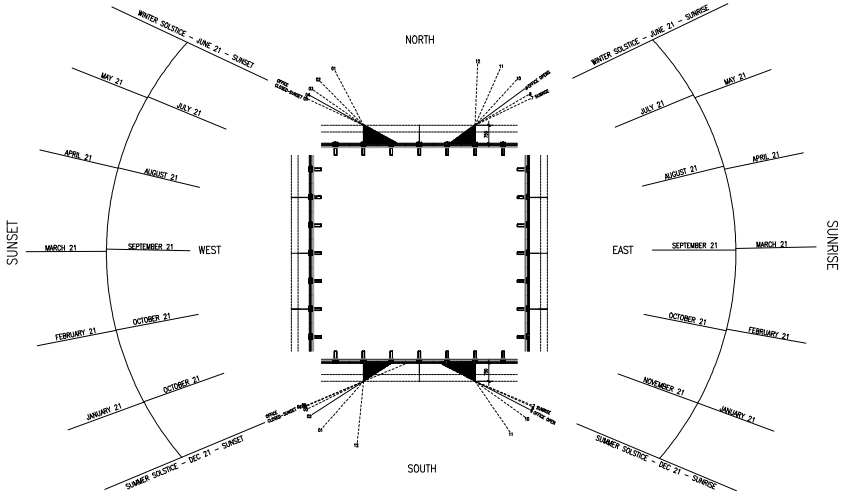


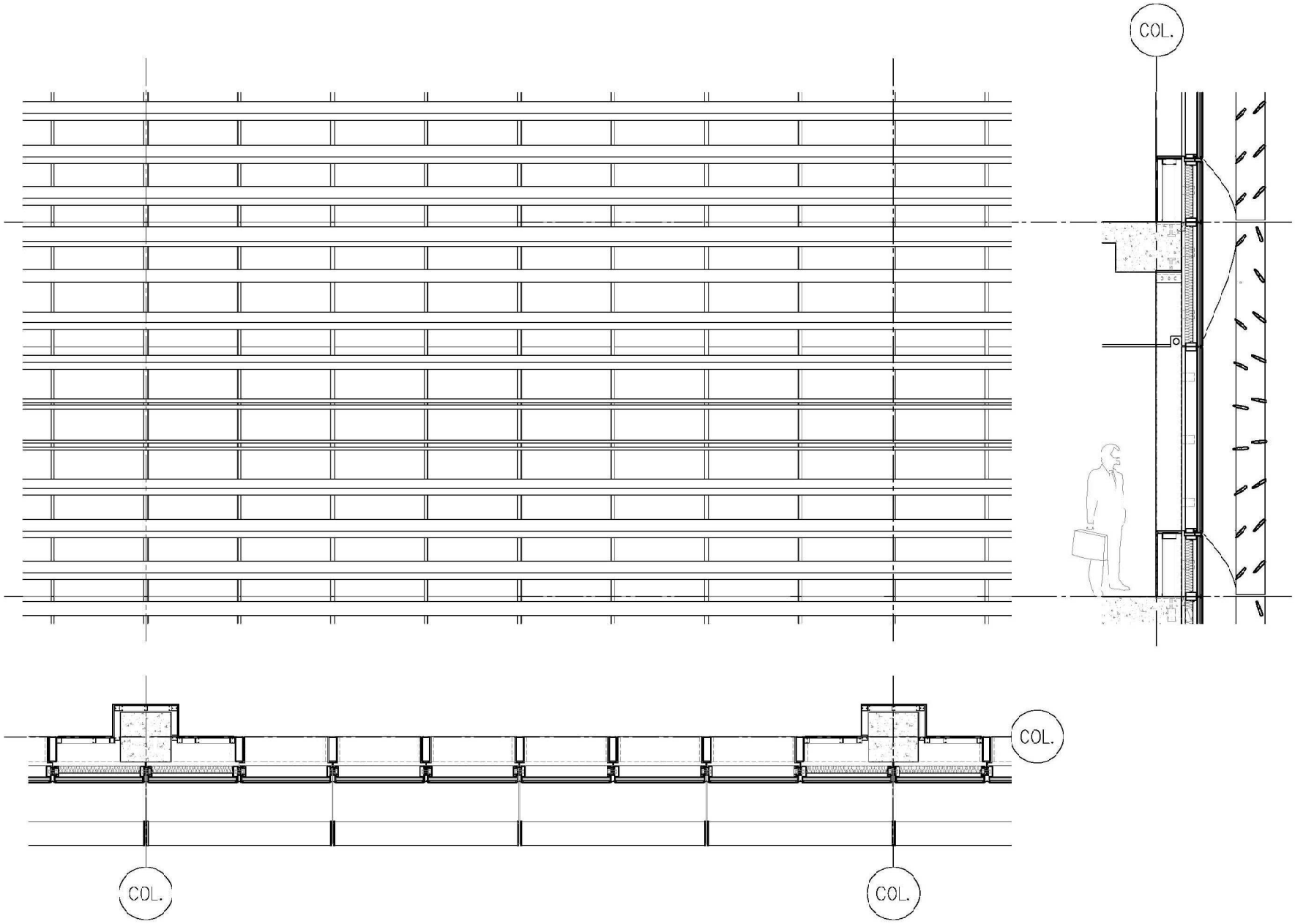
SECTION
WEST FACADE

EAST FACADE
–SEPT 21

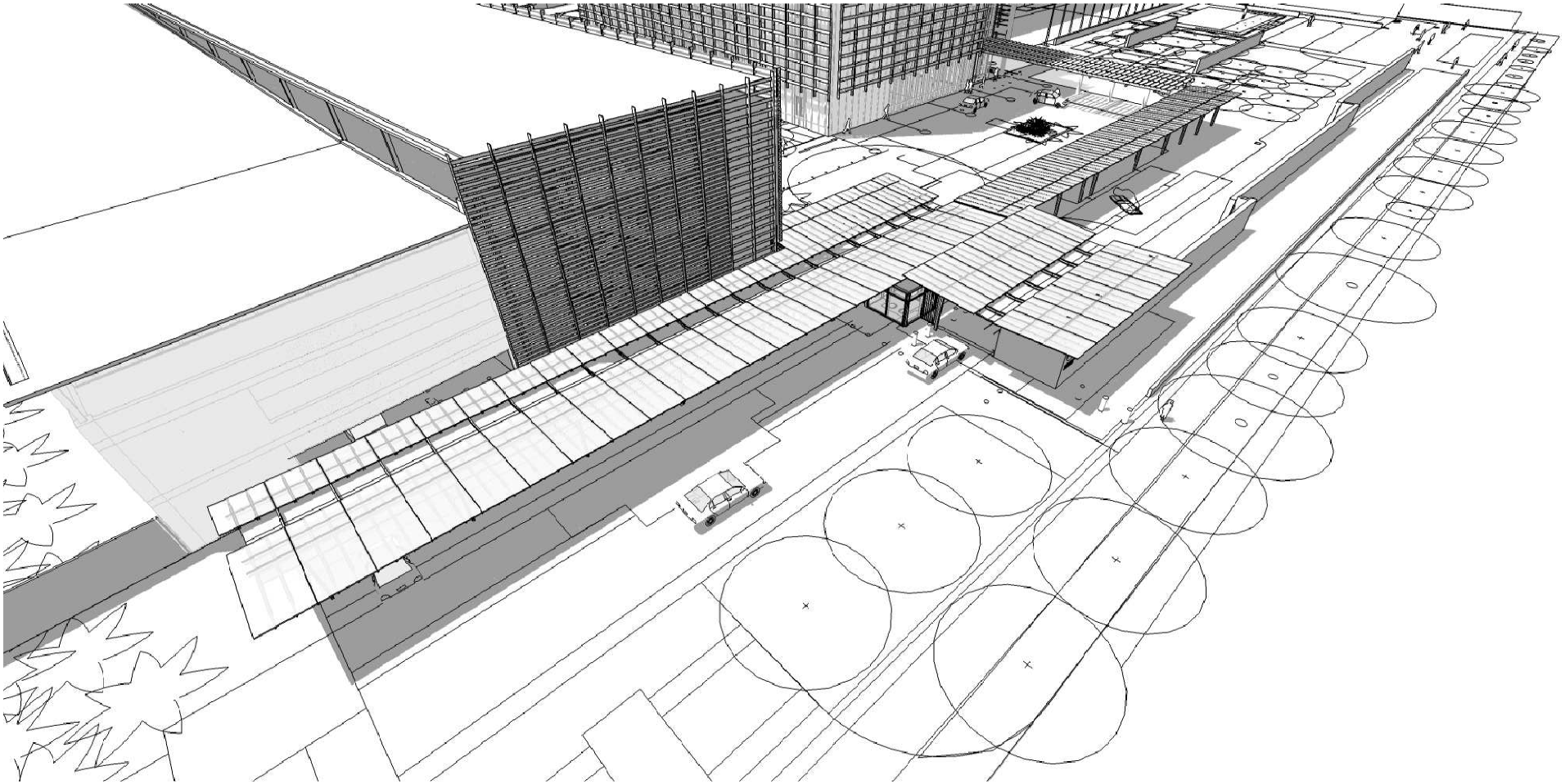


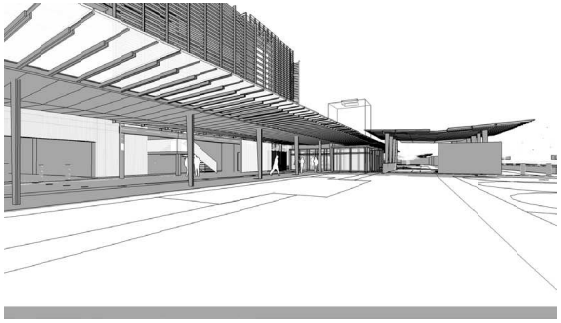
SECTION
EAST FACADE

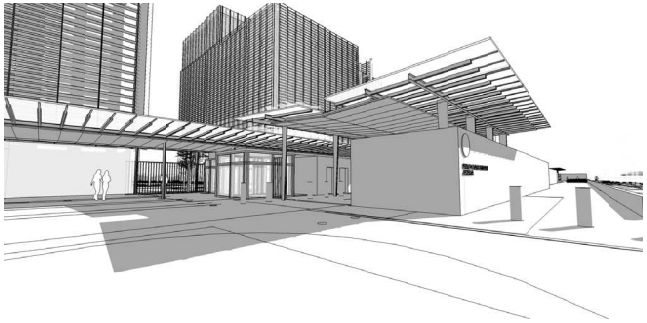


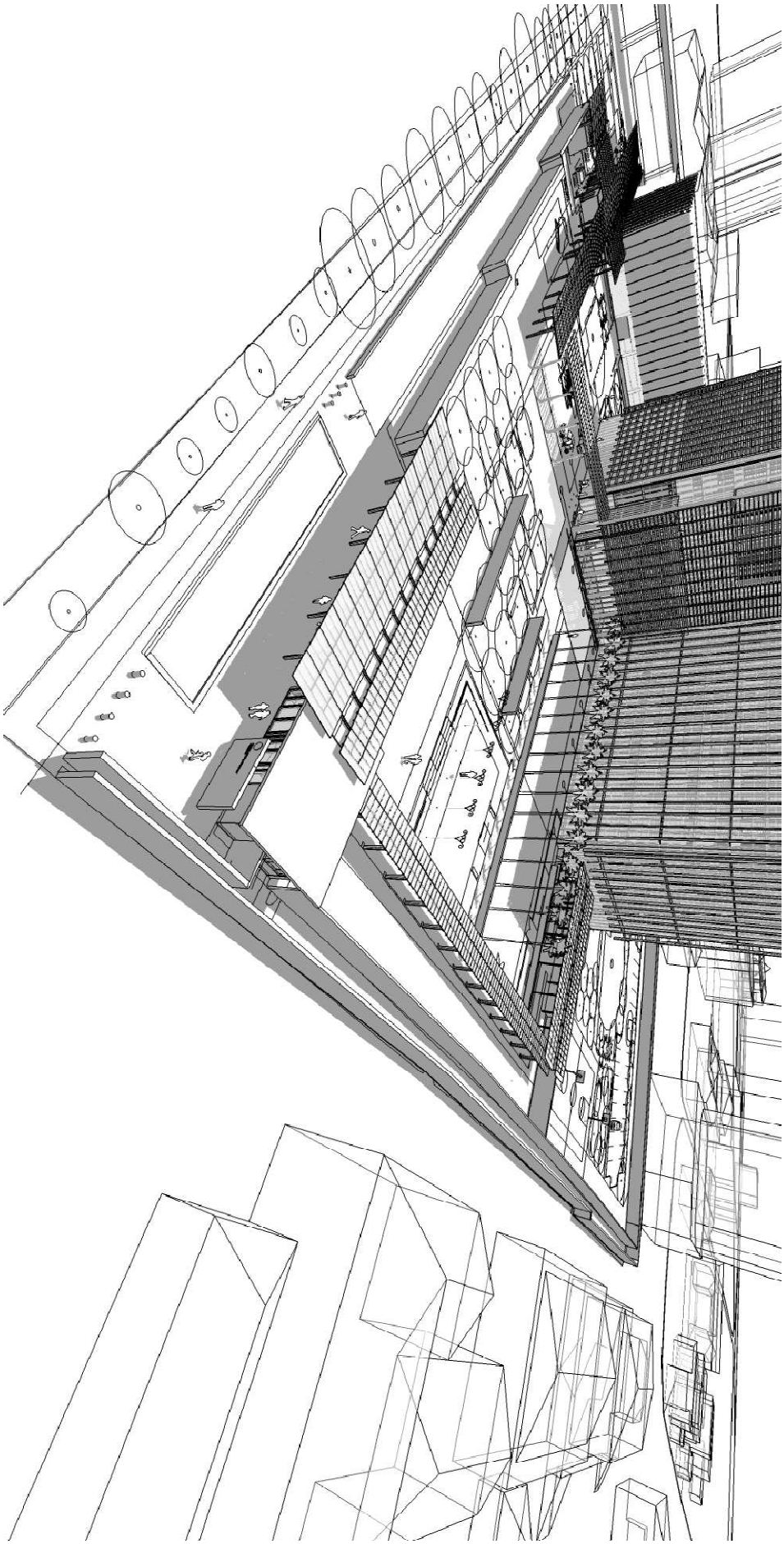


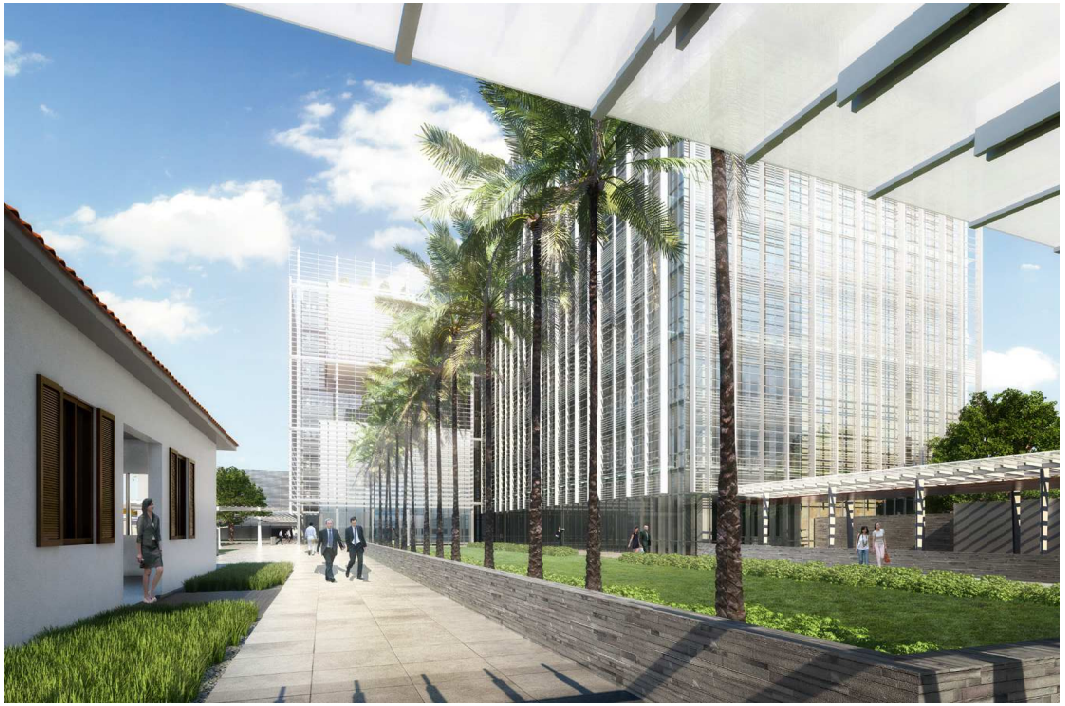
Located near the equator the design for the external sun shades dealt with a very high sun angle as well as a hot and humid tropical climate year round. In addition to blocking unwanted solar heat gain the embassy wanted to retain views to the surrounding area while preventing views to the interior resulting in a double row of louvers. The density and orientation of the louvers changed as ones moves around the perimeter responding to the cardinal directions as well as the sensitvity of the program beyond. The Jakarta embassy is the first to propose a curtain wall facade that meets the new Forcible Entry Blast Requirements for all new embassy projects since 2001.











US Embassy Jakarta

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