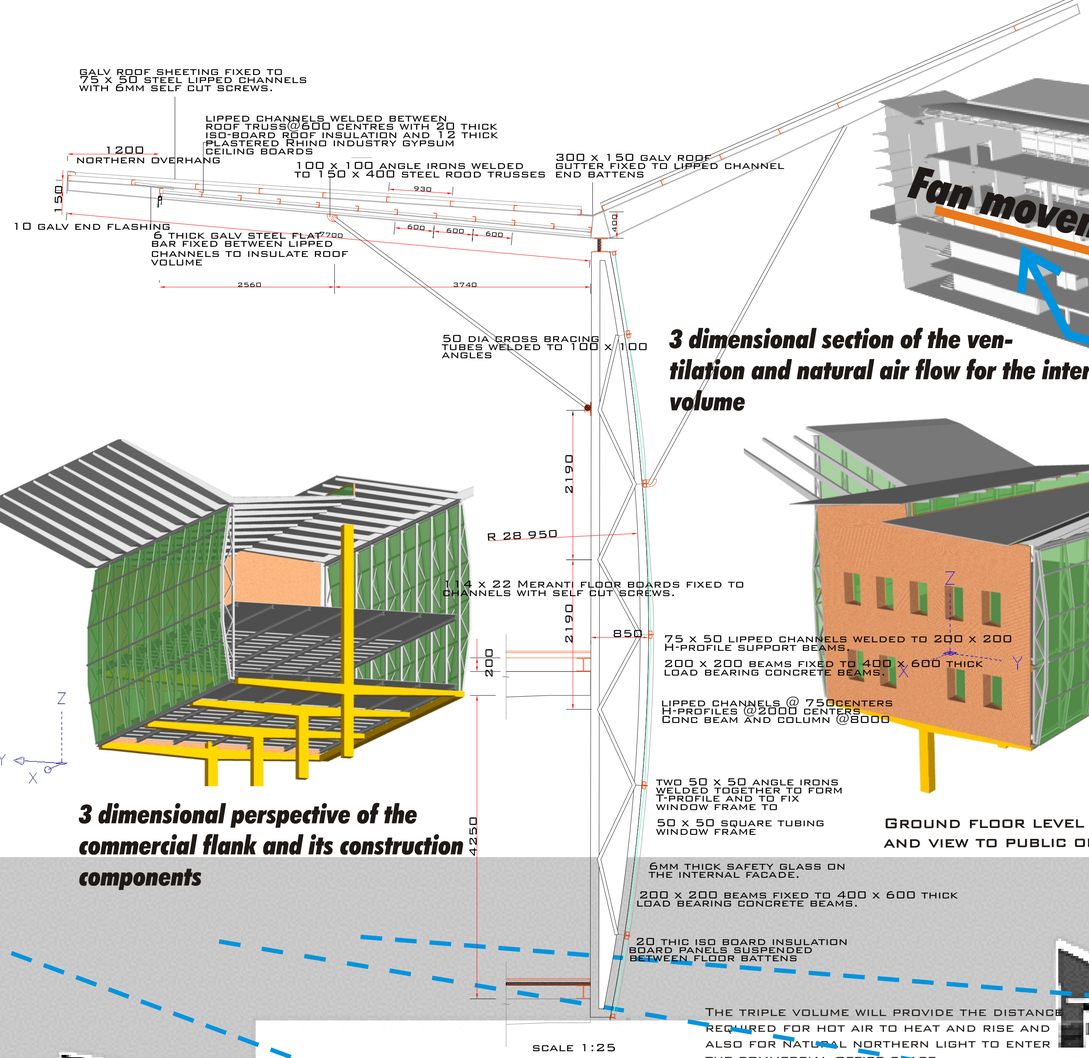
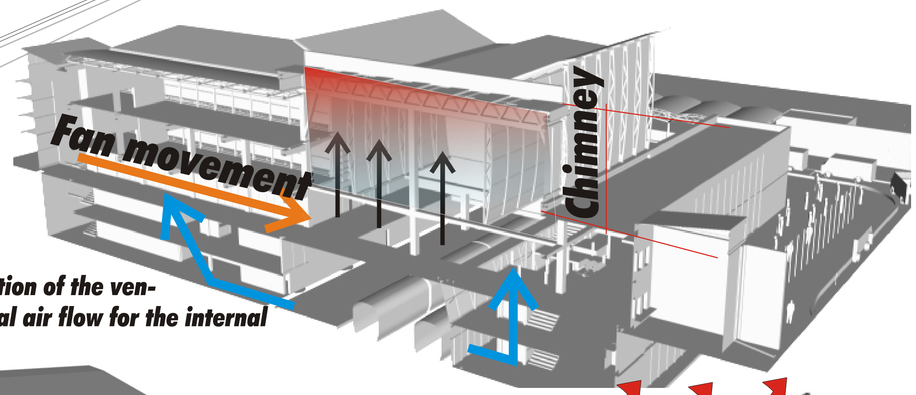
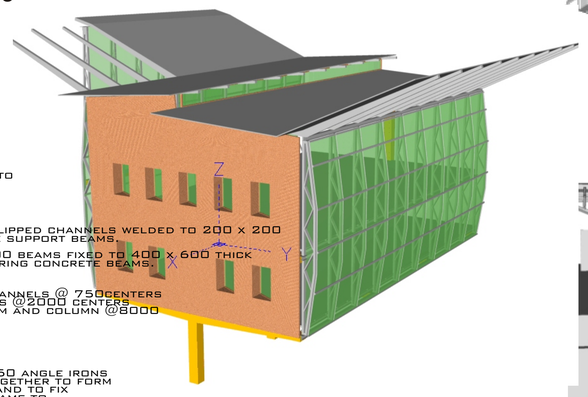
3 dim section



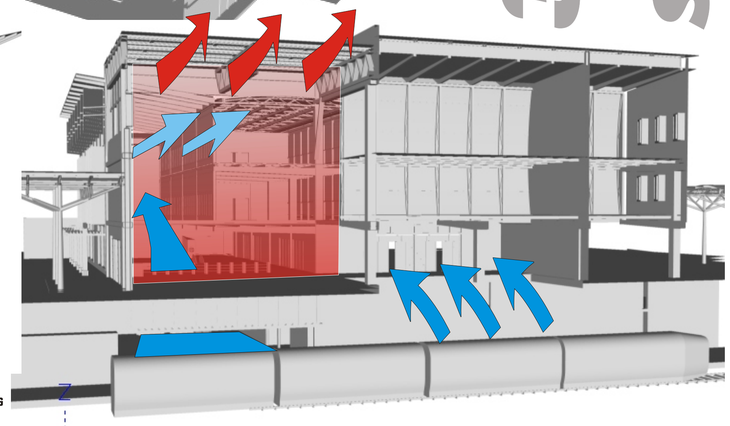


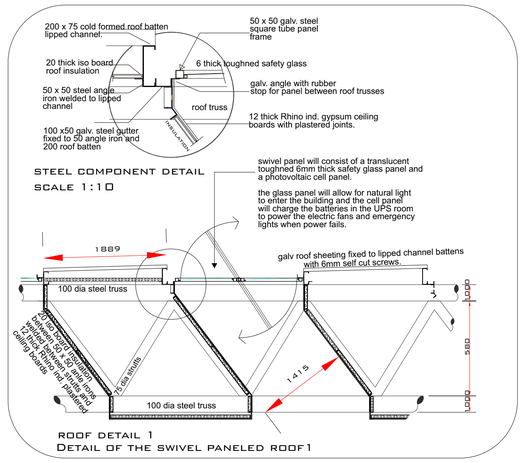
3 dimensional section of the ventilation and natural air flow for the internal volume

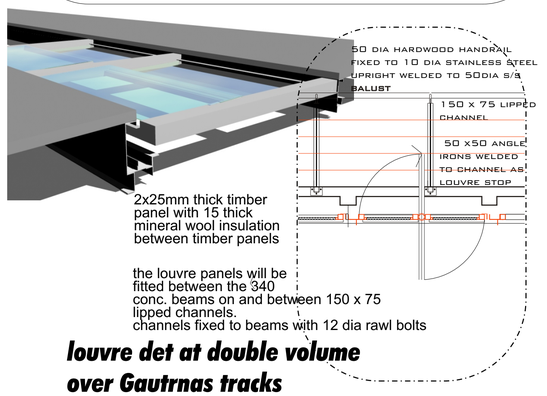
3 dimensional perspective of the commercial flank and its construction components



GROUND FLOOR LEVEL WILL PROVIDE SEATING AND VIEW TO PUBLIC OPEN SPACE







louvre det at double volume over Gautrnas tracks

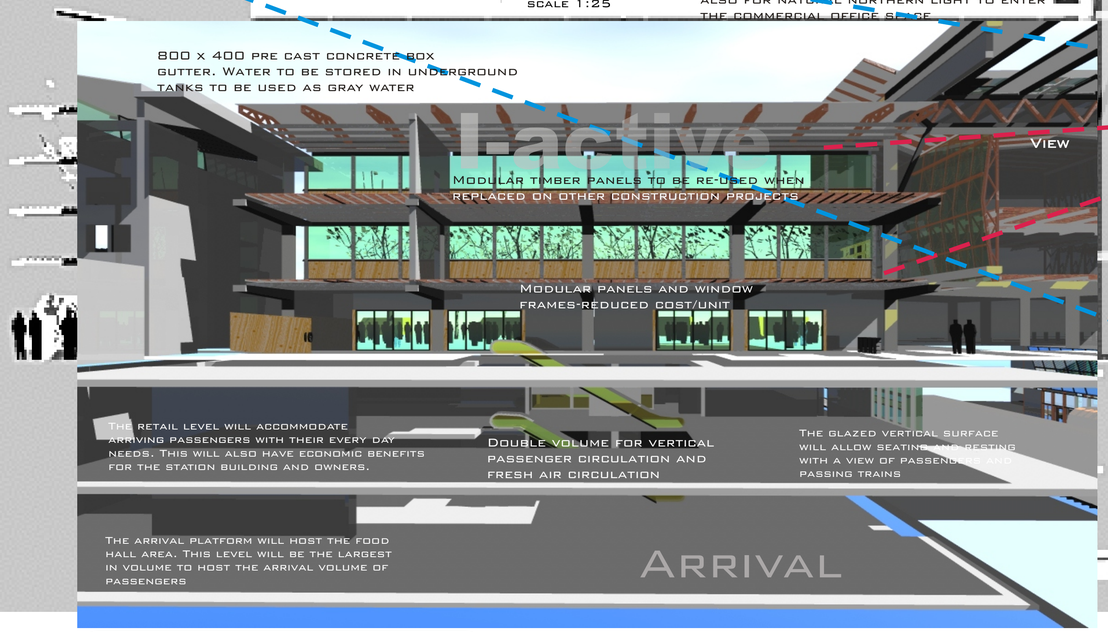
THE SWIVEL ROOF PANELS WILL BE OPERATED BY COMPUTER THROUGH A COMPUTER MANAGEMENT SYSTEM. THE SENSORS WILL CALCULATE THE TEMPERATURE, RELATIVE HUMIDITY AND WET BULB TEMP AND ACT ACCORDINGLY.

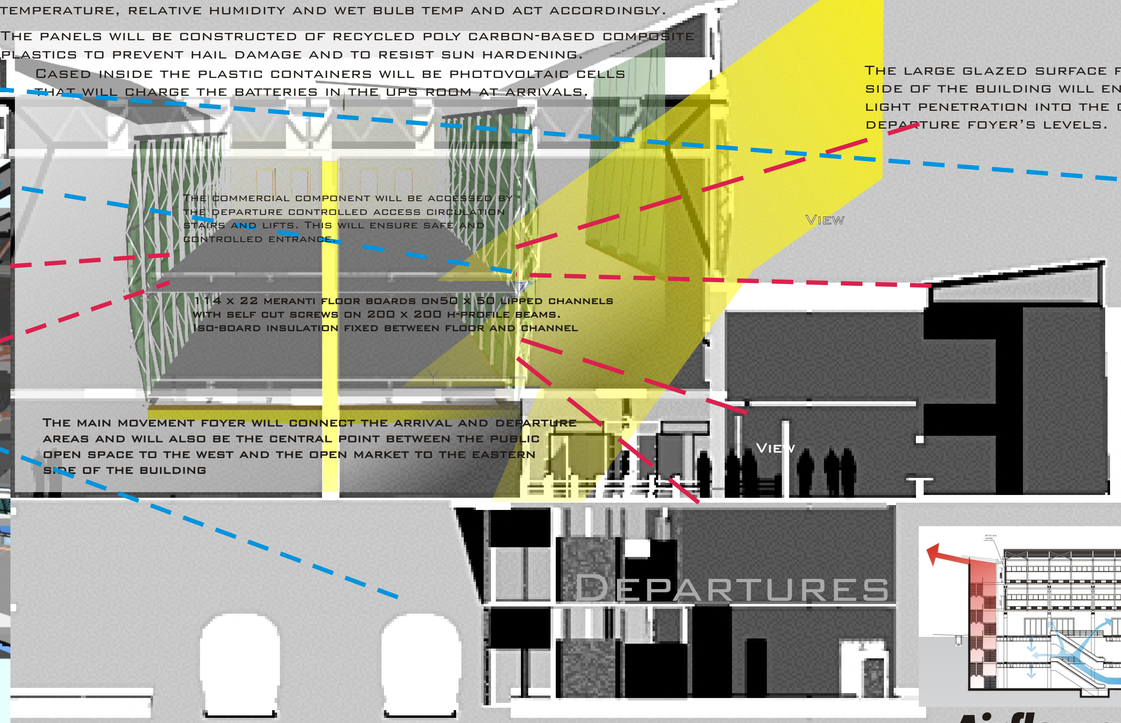
THE PANELS WILL BE CONSTRUCTED OF RECYCLED POLY CARBON-BASED COMPOSITE PLASTICS TO PREVENT HAIL DAMAGE AND TO RESIST SUN HARDENING.

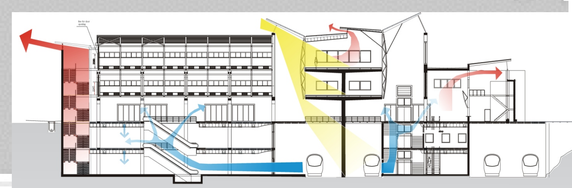
CASED INSIDE THE PLASTIC CONTAINERS WILL BE PHOTOVOLTAIC CELLS THAT WILL CHARGE THE BATTERIES IN THE UPS ROOM AT ARRIVALS.

THE LARGE GLAZED SURFACE FACADE ON THE SOUTHHERN SIDE OF THE BUILDING WILL ENSURE MAXIMUM NATURAL SUN LIGHT PENETRATION INTO THE OFFICE SPACE AND THE DEPARTURE FOYER'S LEVELS.

THE TRIPLE VOLUME WILL PROVIDE THE DISTANCE REQUIRED FOR HOT AIR TO HEAT AND RISE AND ALSO FOR NATURAL NORTHERN LIGHT TO ENTER THE COMMERCIAL OFFICE SPACE







Airflow and natural light

Gautrans

GAUTRANS

Hatfield station

BERNARD ROCCON
2015122
M.ARCH II

Section b-b