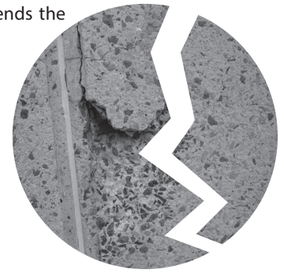
DESIGN APPROACH

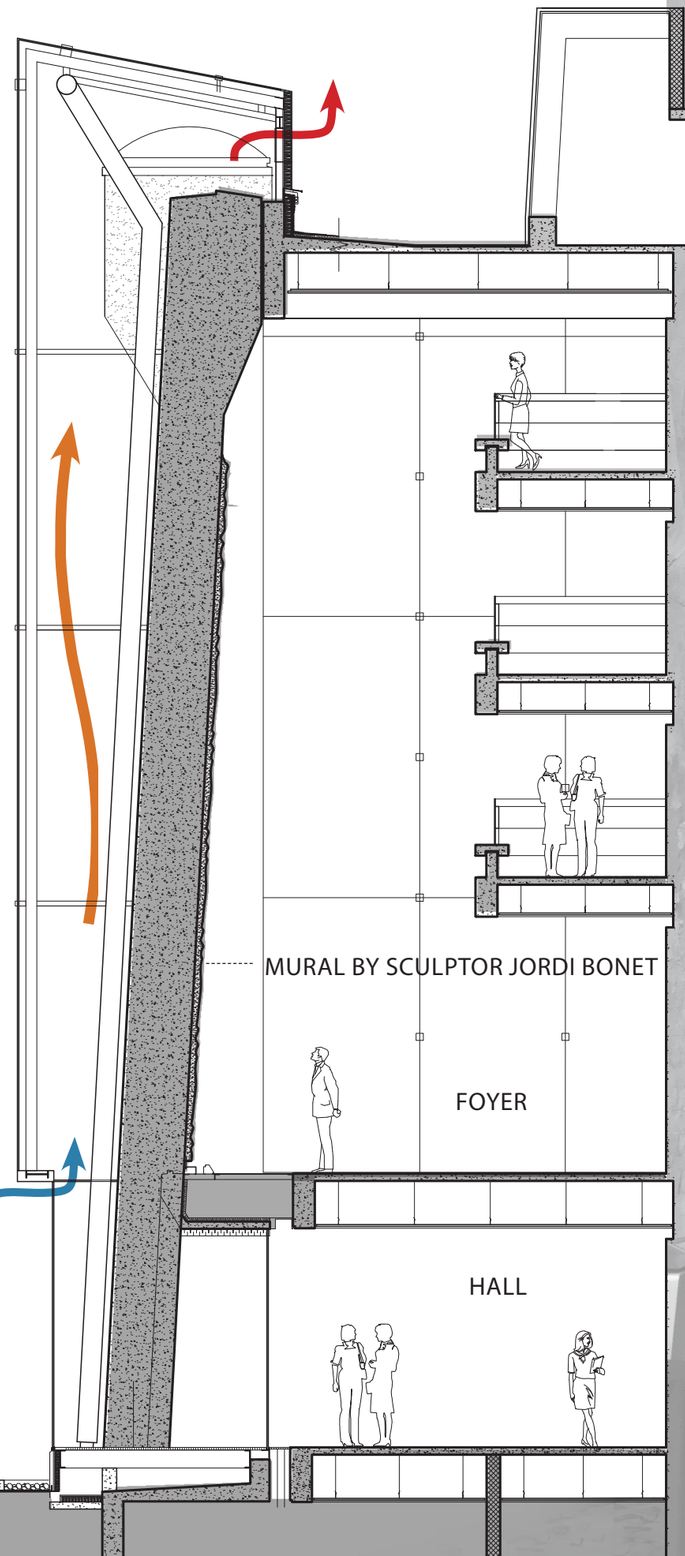
The building was composed of panels of prefabricated concrete with anchors that disintegrated over time due to moisture travelling through the concrete. The strategy was to create a tempered space between the existing building and the new glass envelope. Modifying the temperature and humidity conditions suspends the deterioration process.

CORROSION AND
CONCRETE SPALLING



HUMIDITY AND
CONDENSATION

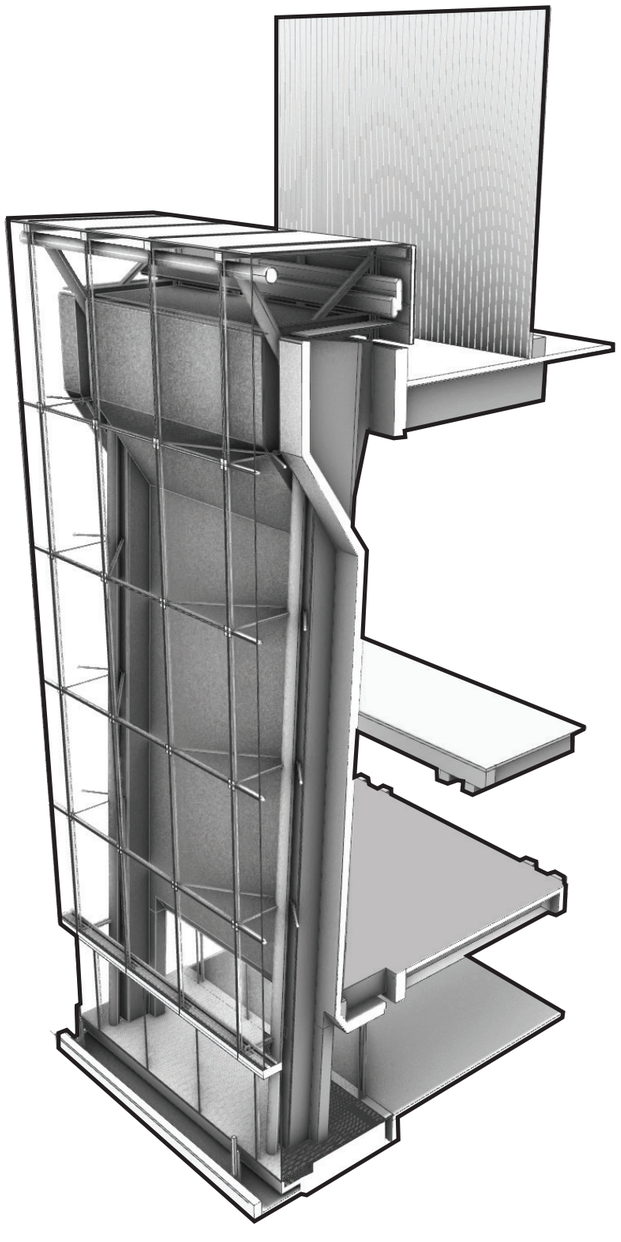
INFILTRATION



MURAL BY SCULPTOR JORDI BONET

The interior mural was part of the structure and therefore had to be left untouched. Any alteration to the architecture had to be severely limited; the building's fragility, and the inability to directly access the concrete anchors, were major challenges. There were also multiple constraints to consider in creating the new envelope, chiefly the preservation of the heritage building and its interior mural. Finally, because the mural was connected to the exterior concrete panels, any operation had to have zero impact and vibration on the envelope, so as not to damage the mural.

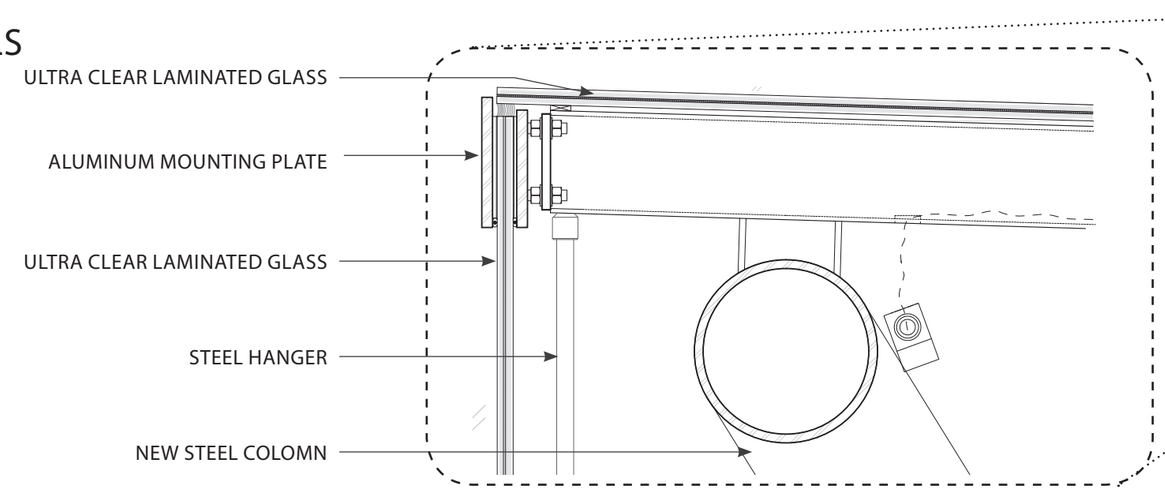
COMPOSITION
OF THE GLASS CASING

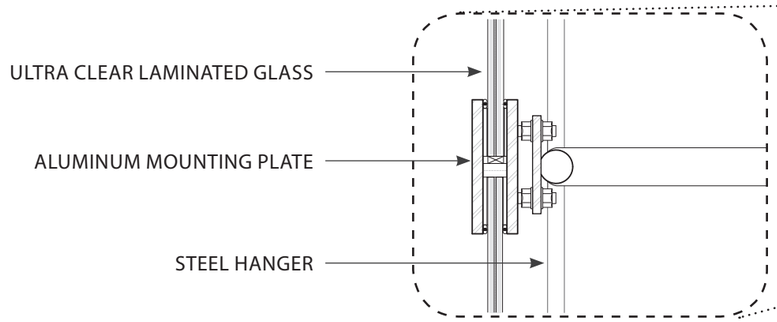


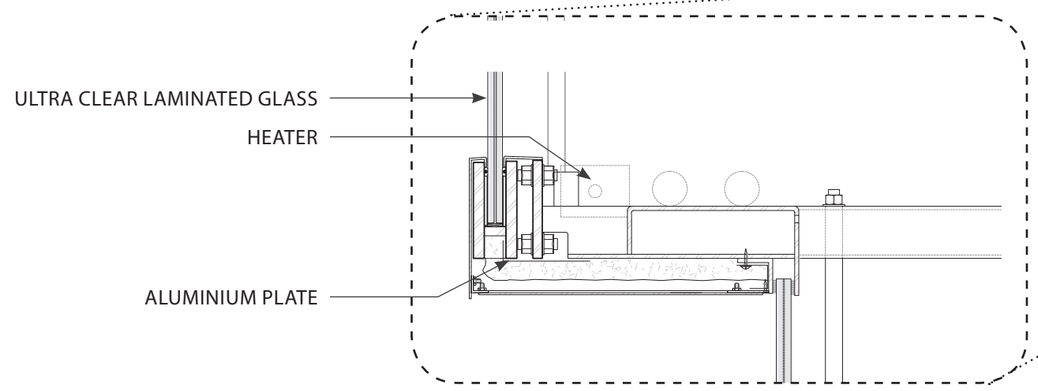
TYPICAL BAY

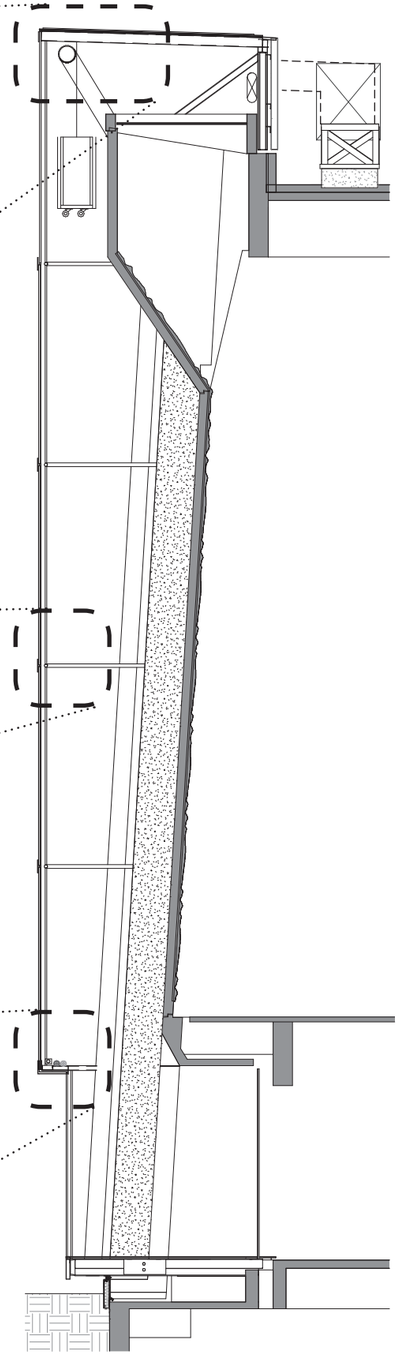
TYPICAL CORNER

CONSTRUCTION DETAILS



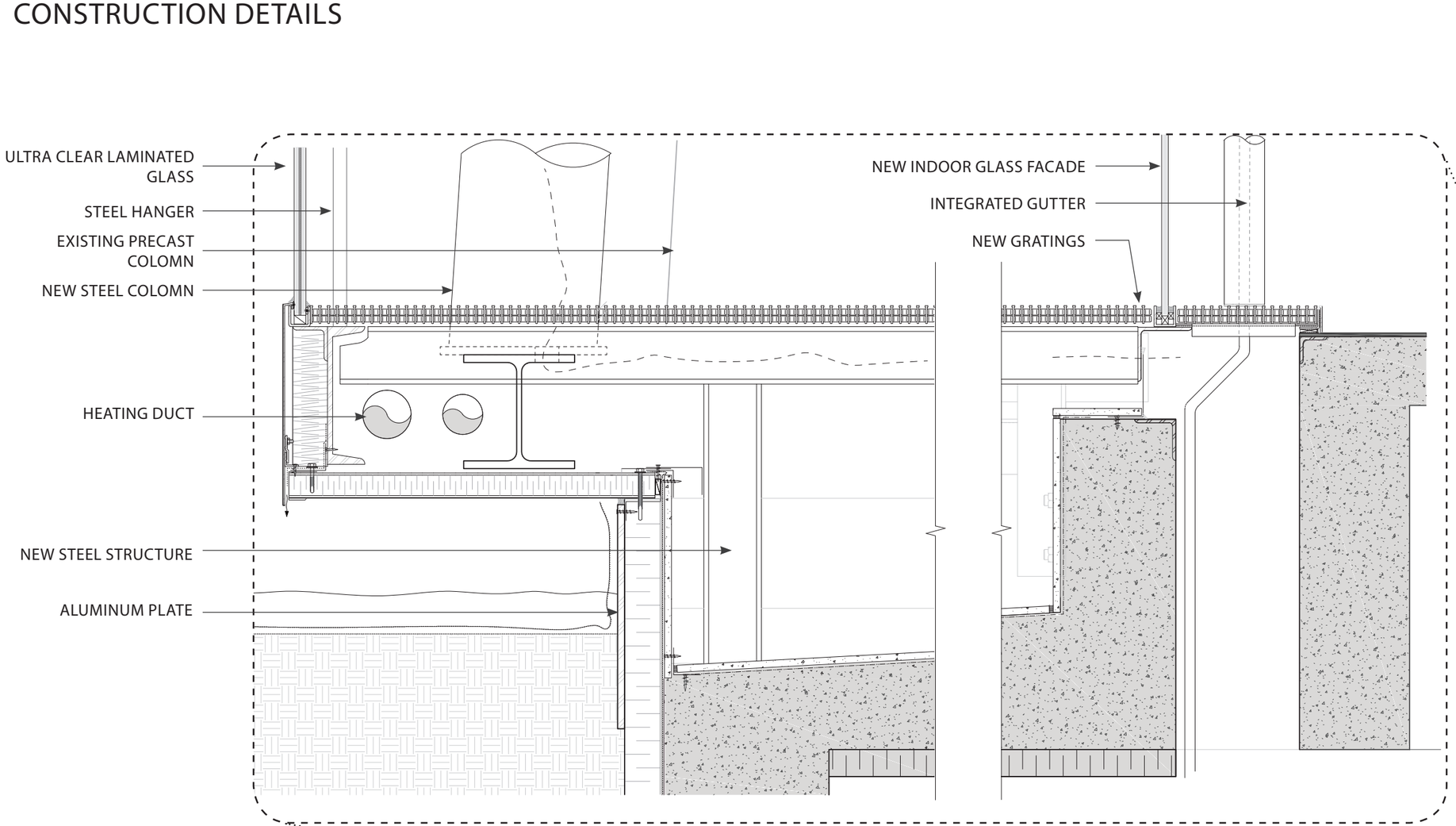


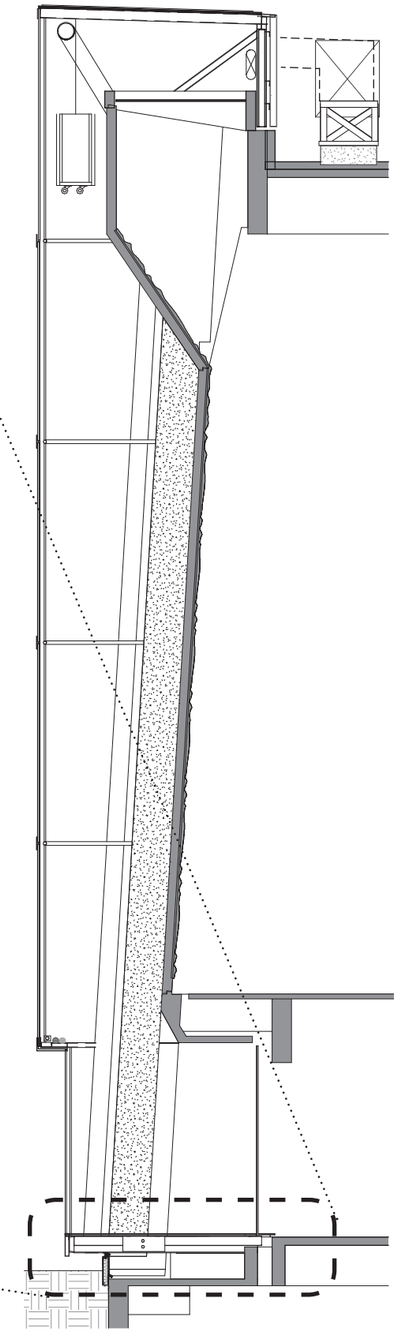




TYPICAL SECTION

CONSTRUCTION DETAILS





TYPICAL SECTION