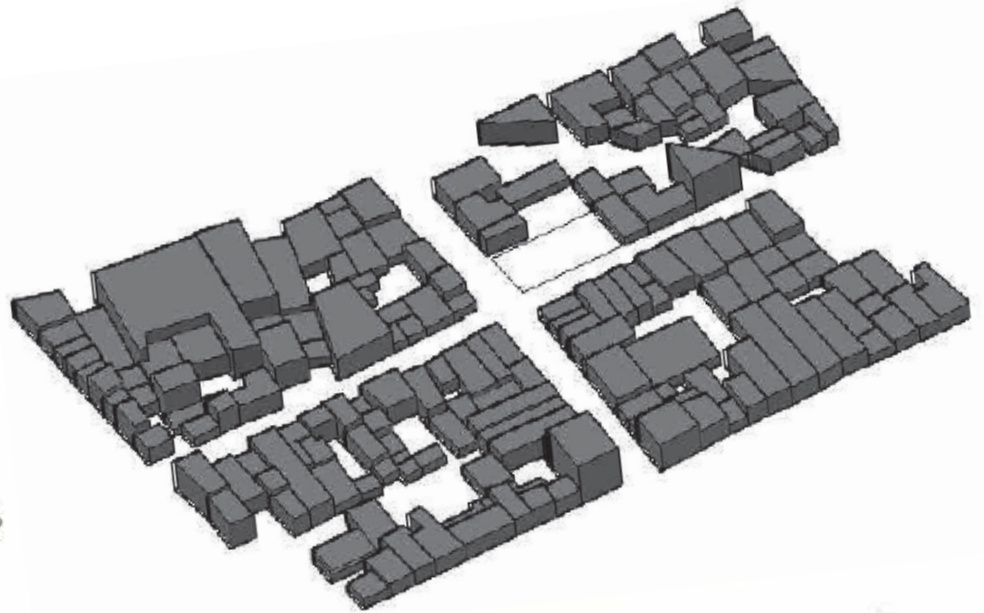


COLORFUL CORNER

LA BOCA, BUENOS AIRES

ARGENTINA

LA BOCA NEIGHBORHOOD IS KNOWN FOR ITS VIVIDLY COLORED BUILDINGS AND INTENSE TANGO CULTURE.



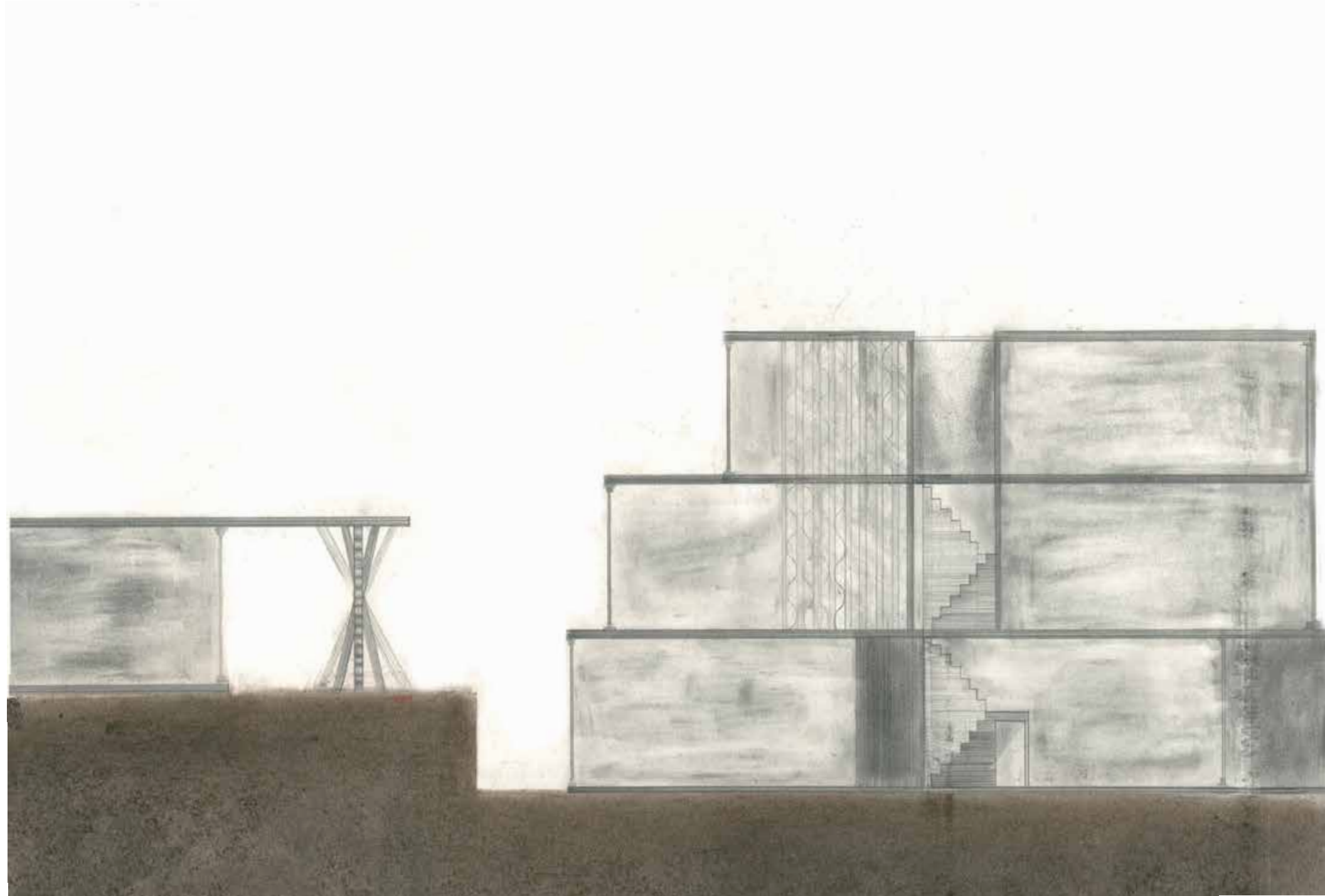
EL CAMINITO IS A POPULAR PEDESTRIAN STREET THAT EXISTS RIGHT AROUND THE CORNER FROM THE SITE, AND LA BOCA'S SOCCER TEAM STADIUM IS A FEW BLOCKS AWAY. THE PROJECT ASKS FOR THREE CONDITIONS: A TANGO SCHOOL, AN APARTMENT COMPLEX, AND A SOCIAL AREA. SUN PATH, VIEWS, MOVEMENT, NOISE, AND URBAN CONDITIONS WERE CONSIDERED IN THE DESIGN PROCESS.

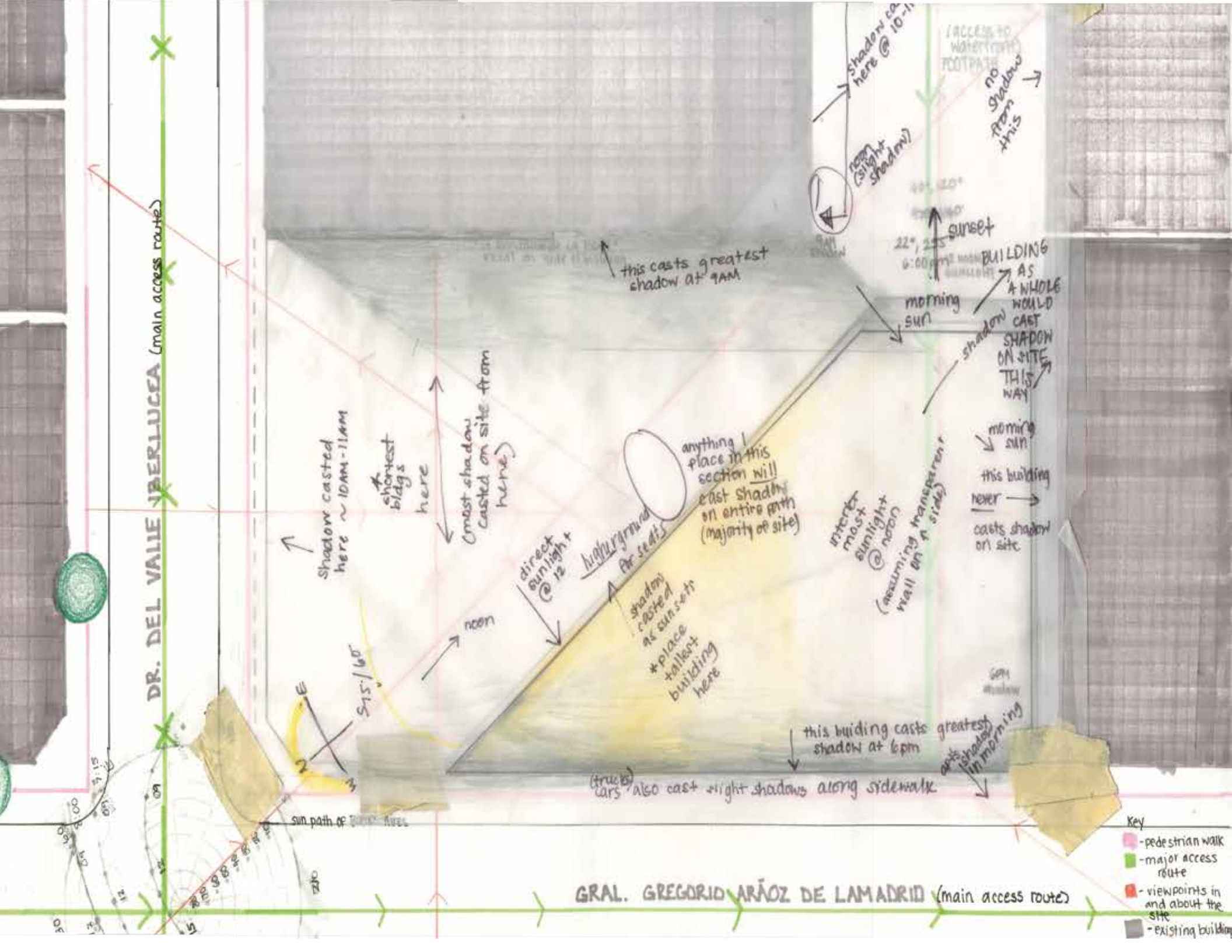


MOST BUILDINGS IN **LA BOCA** WERE HISTORICALLY MADE FROM OLD CORRUGATED METAL FOUND ON THE MANY SHIPS THAT WOULD DOCK IN **LA BOCA**.









DR. DEL VALLE BERLUCEA (main access route)

GRAL. GREGORIO ARÁOZ DE LAMADRID (main access route)

shadow casted here ~ 10AM-11AM

shortest bldgs here

most shadow casted on site from here

noon

direct sunlight @ 12

highest ground for seats

shadow casted as sun sets

* place tallest building here

anything place in this section will cast shadow on entire path (majority of site)

intersects most sunlight @ noon (assuming transparent wall on a side)

morning sun shadow

no shadow from this

BUILDING AS A WHOLE WOULD CAST SHADOW ON SITE THIS WAY

morning sun

this building never casts shadow on site

this casts greatest shadow at 9AM

Shadow cast here @ 10-11

noon (slight shadow)

22°, 25° sunset 6:00pm

BUILDING AS A WHOLE WOULD CAST SHADOW ON SITE THIS WAY

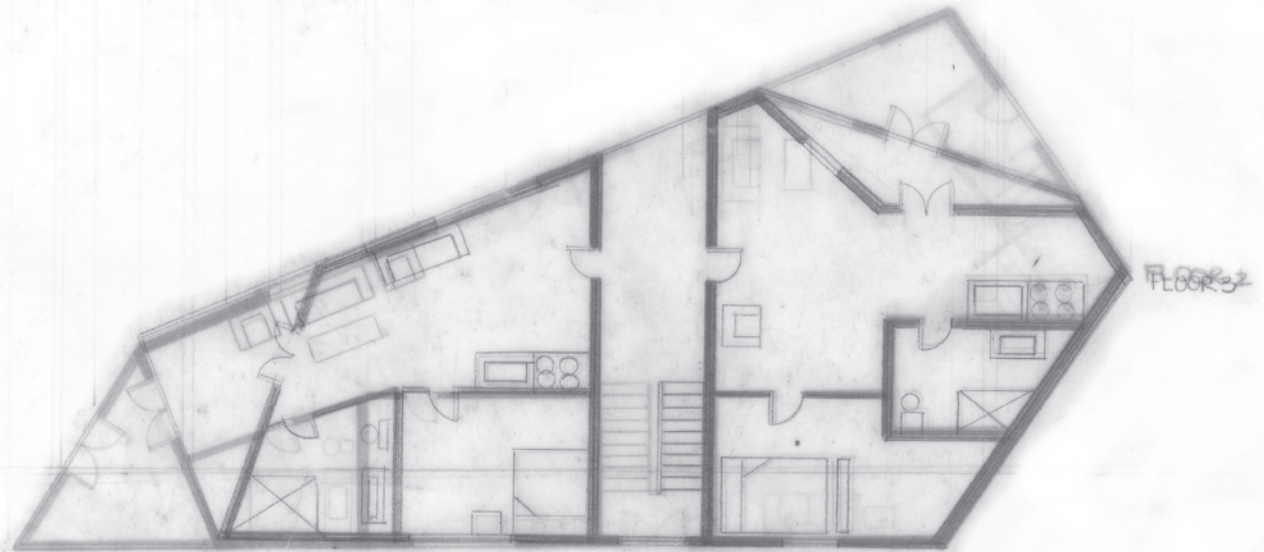
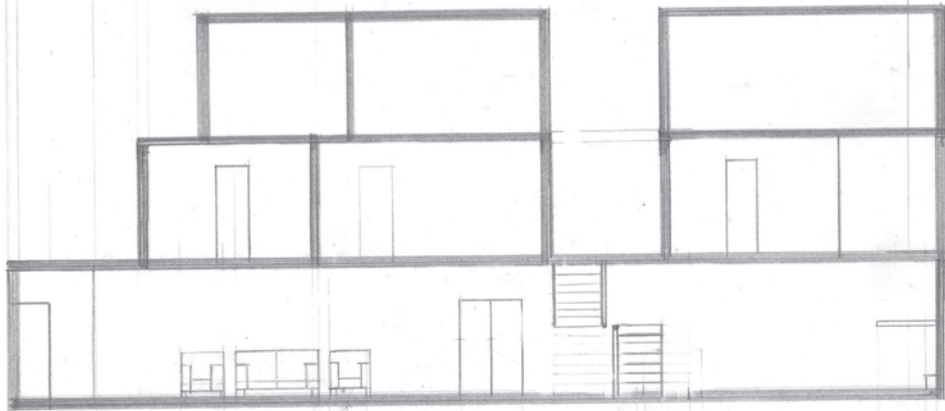
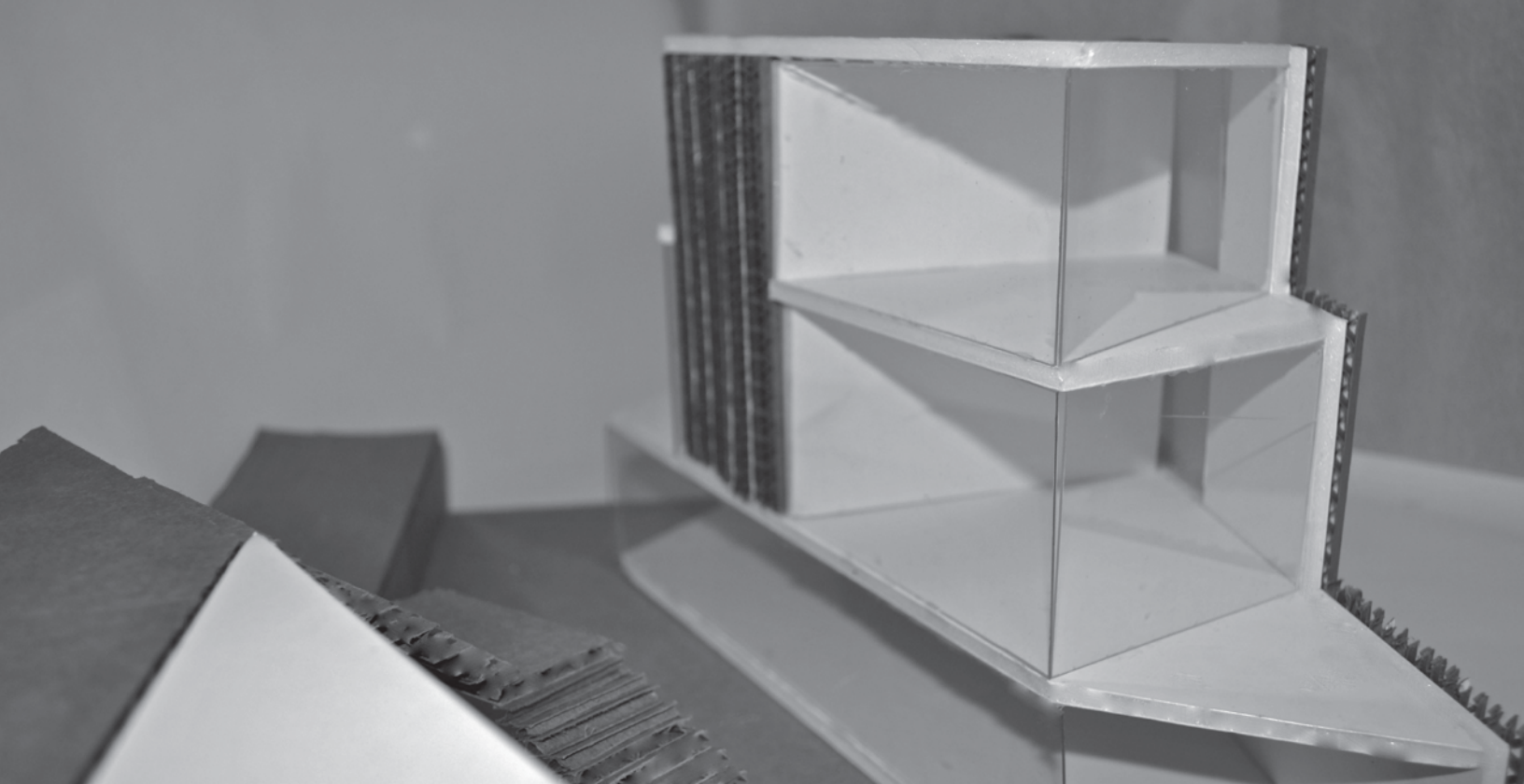
9AM shadow

this building casts greatest shadow at 6pm

(trucks) cars also cast slight shadows along sidewalk

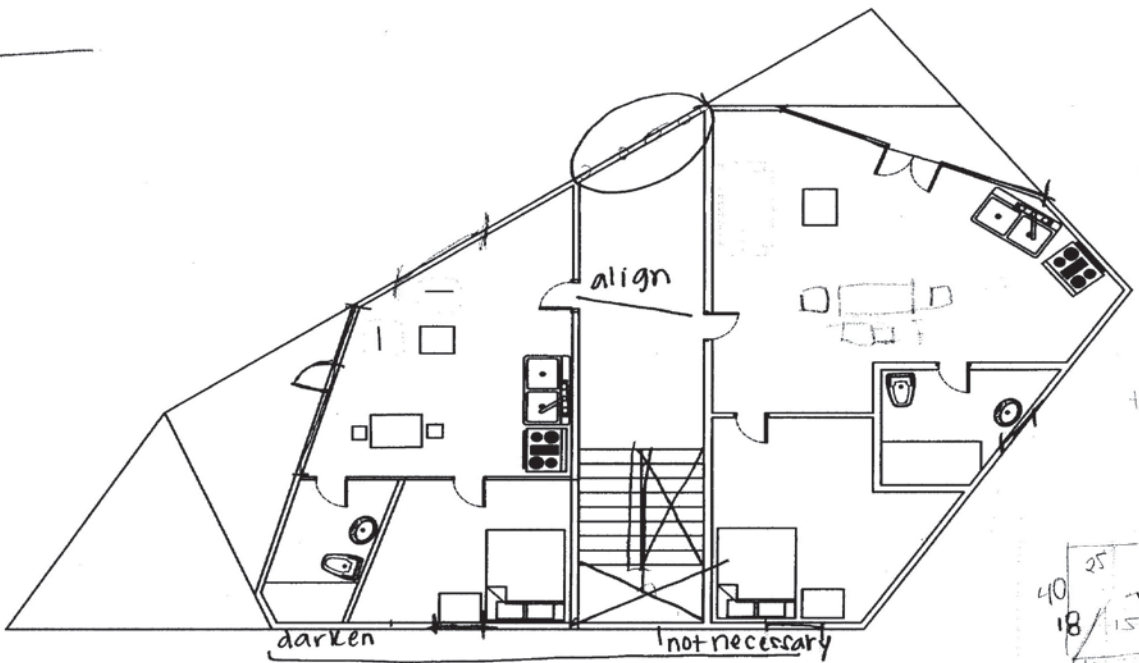
sun path of Berlucea Ave

- Key
- pedestrian walk
 - major access route
 - viewpoints in and about the site
 - existing building

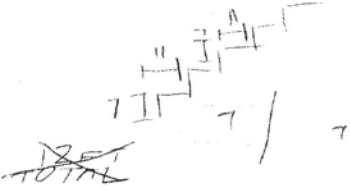
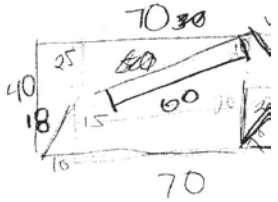




FLOOR 3



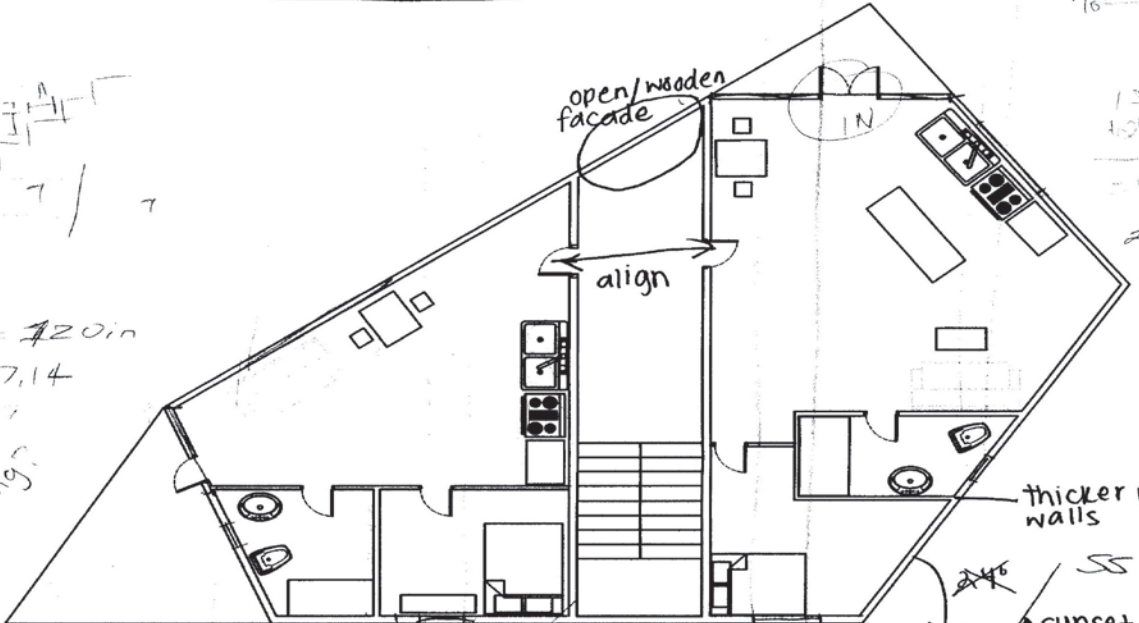
$$\tan \theta = \frac{10}{22}$$



7 in
 $10 \text{ FT} \times 12 = 120 \text{ in}$
 $\text{Total} = 17.14$

FLOOR 2

railing?



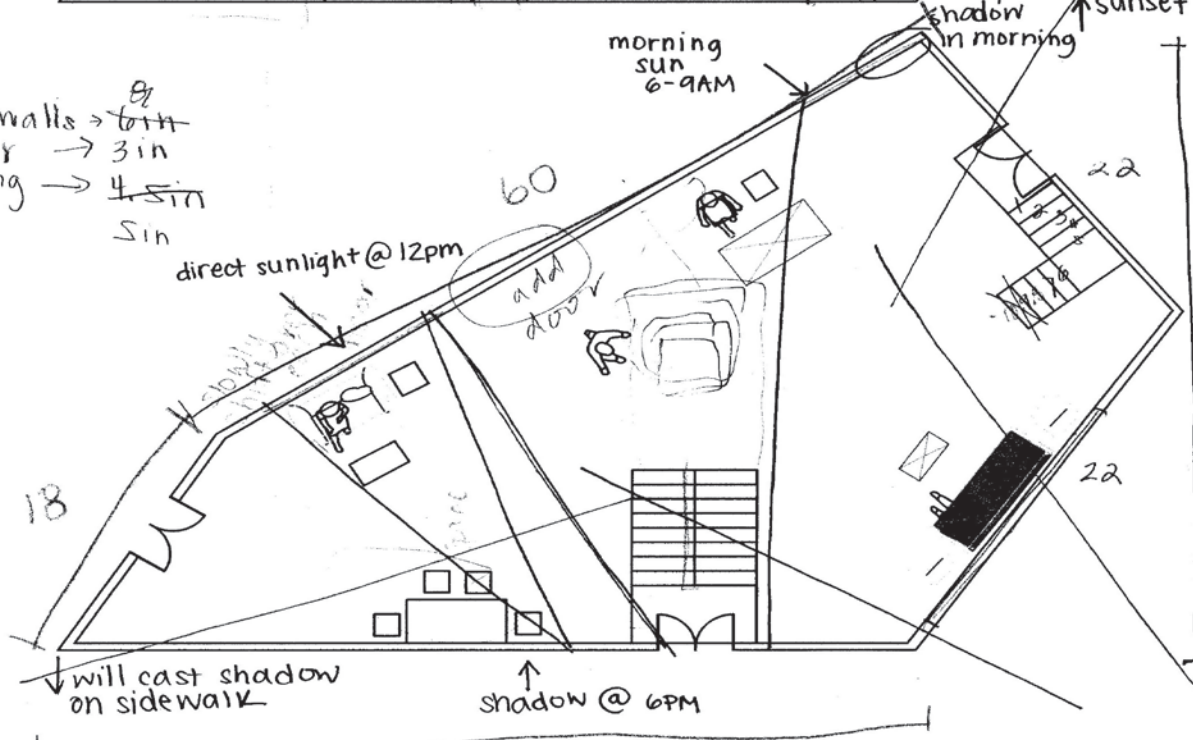
$$10^2 + 20^2 = 100 + 400 = 500$$

$$25^2 + 50^2 = 625 + 2500 = 3125$$

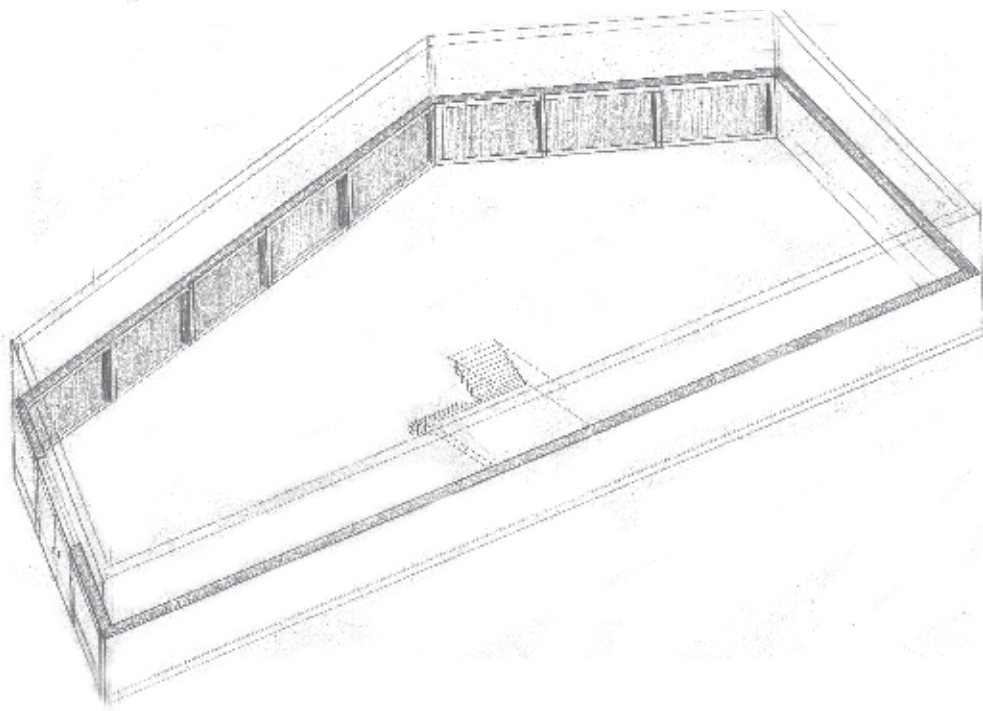
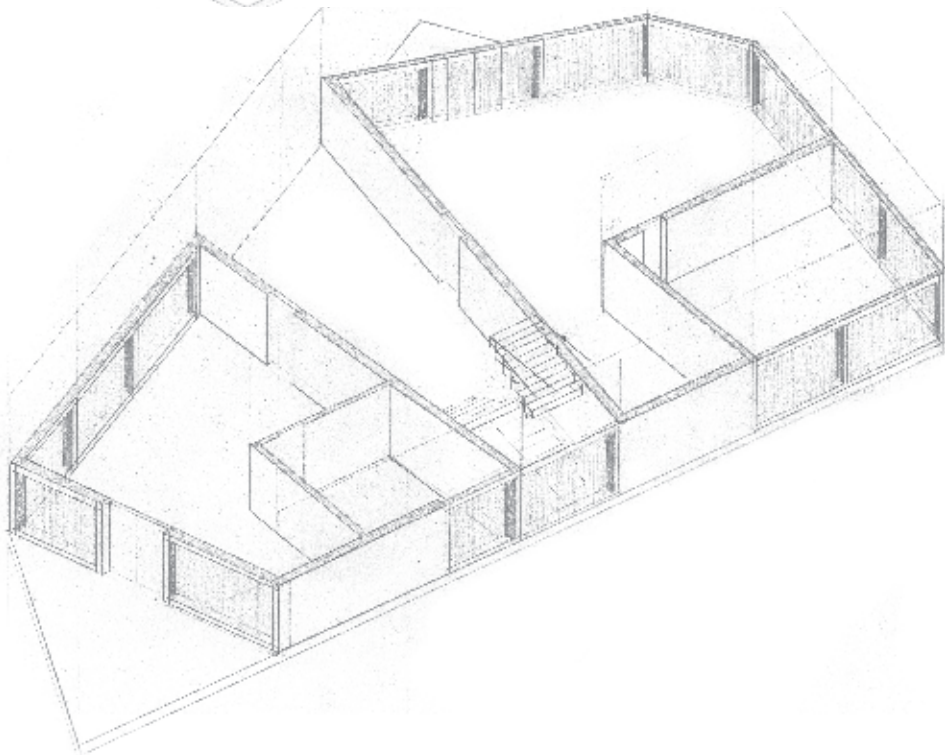
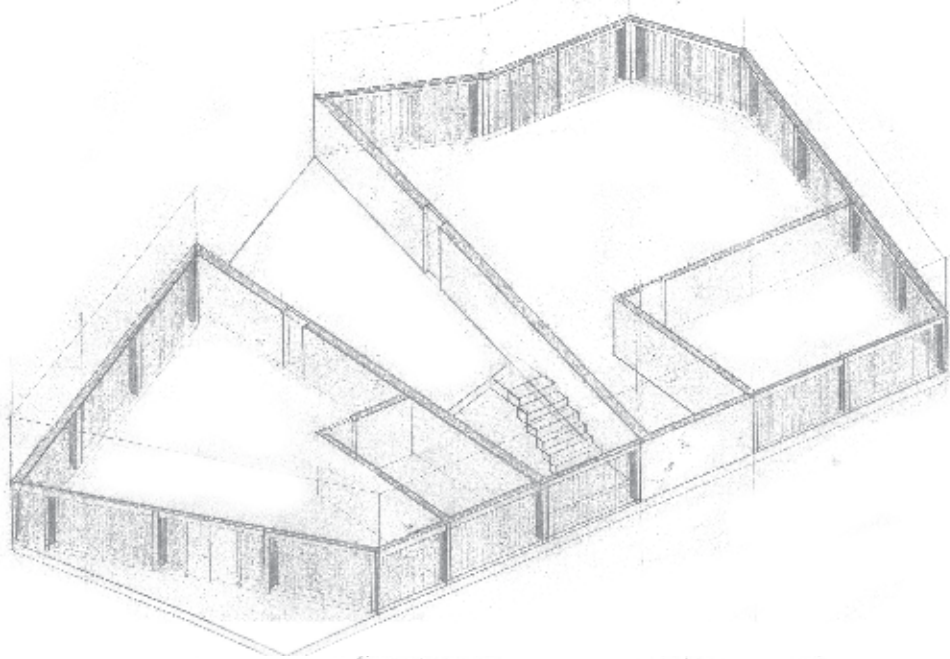
$$10^2 + 15^2 = 100 + 225 = 325$$

- exterior walls → 6 in
- interior → 3 in
- plumbing → 4.5 in

FLOOR 1

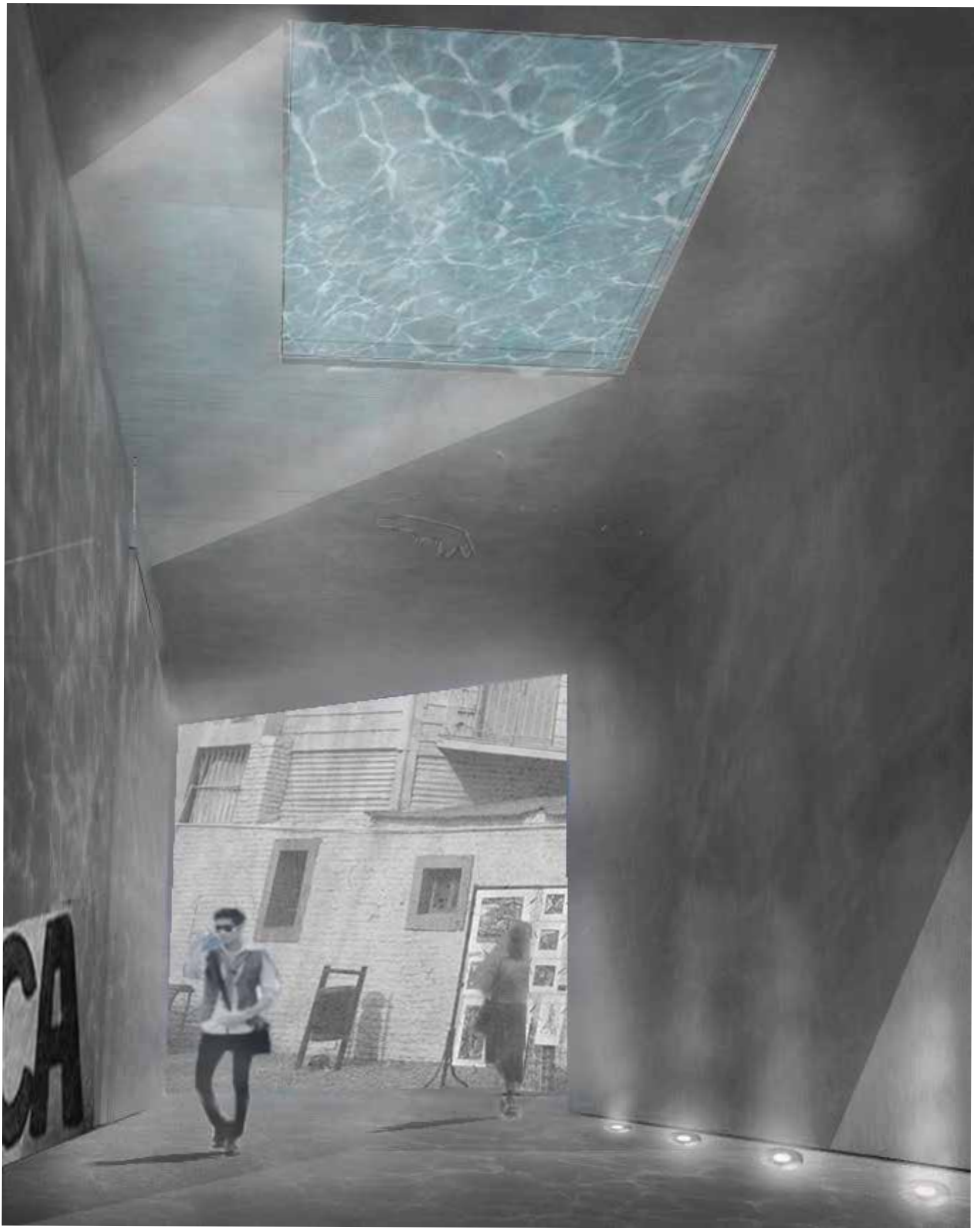


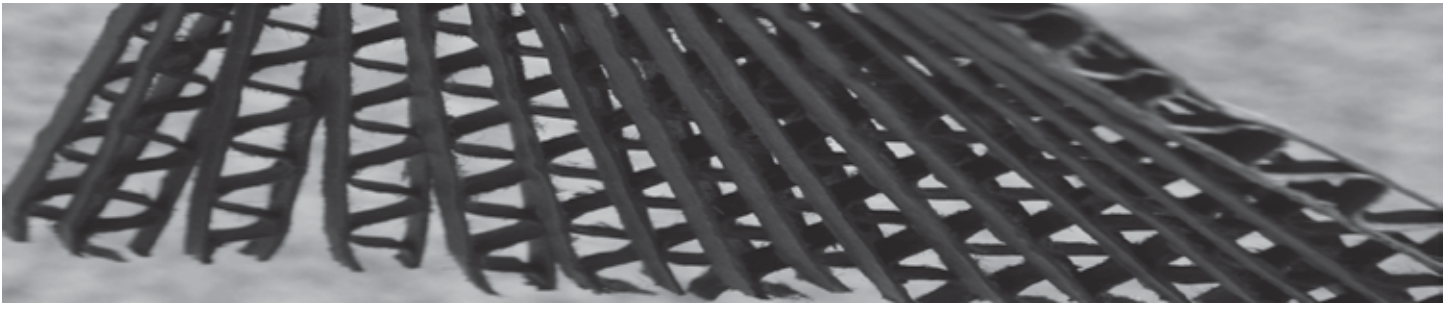
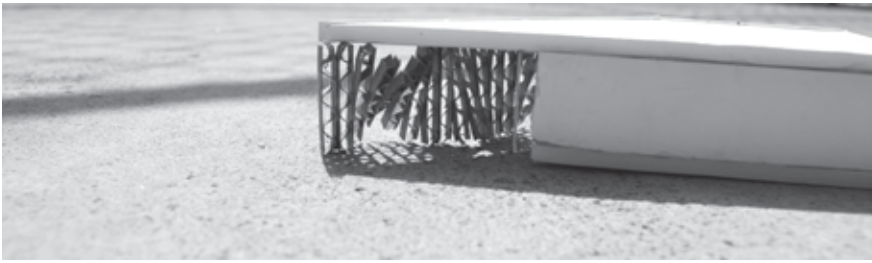
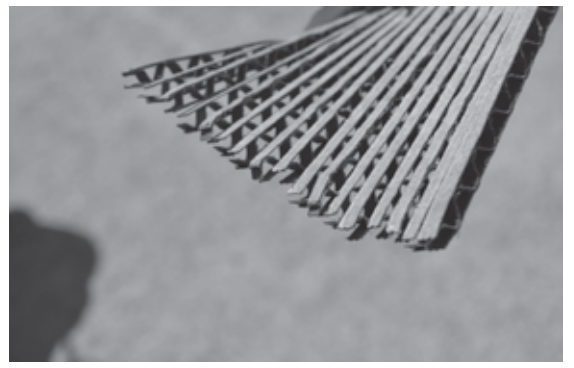
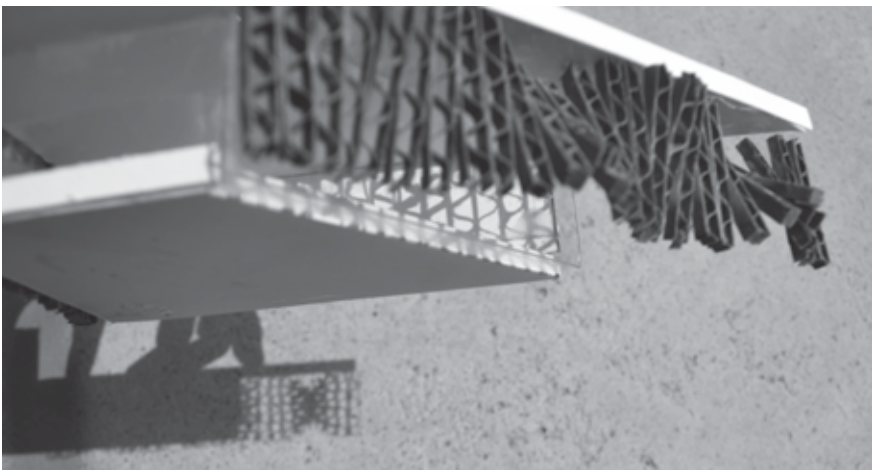
relatively dark area (no shadow from neighbor building though)



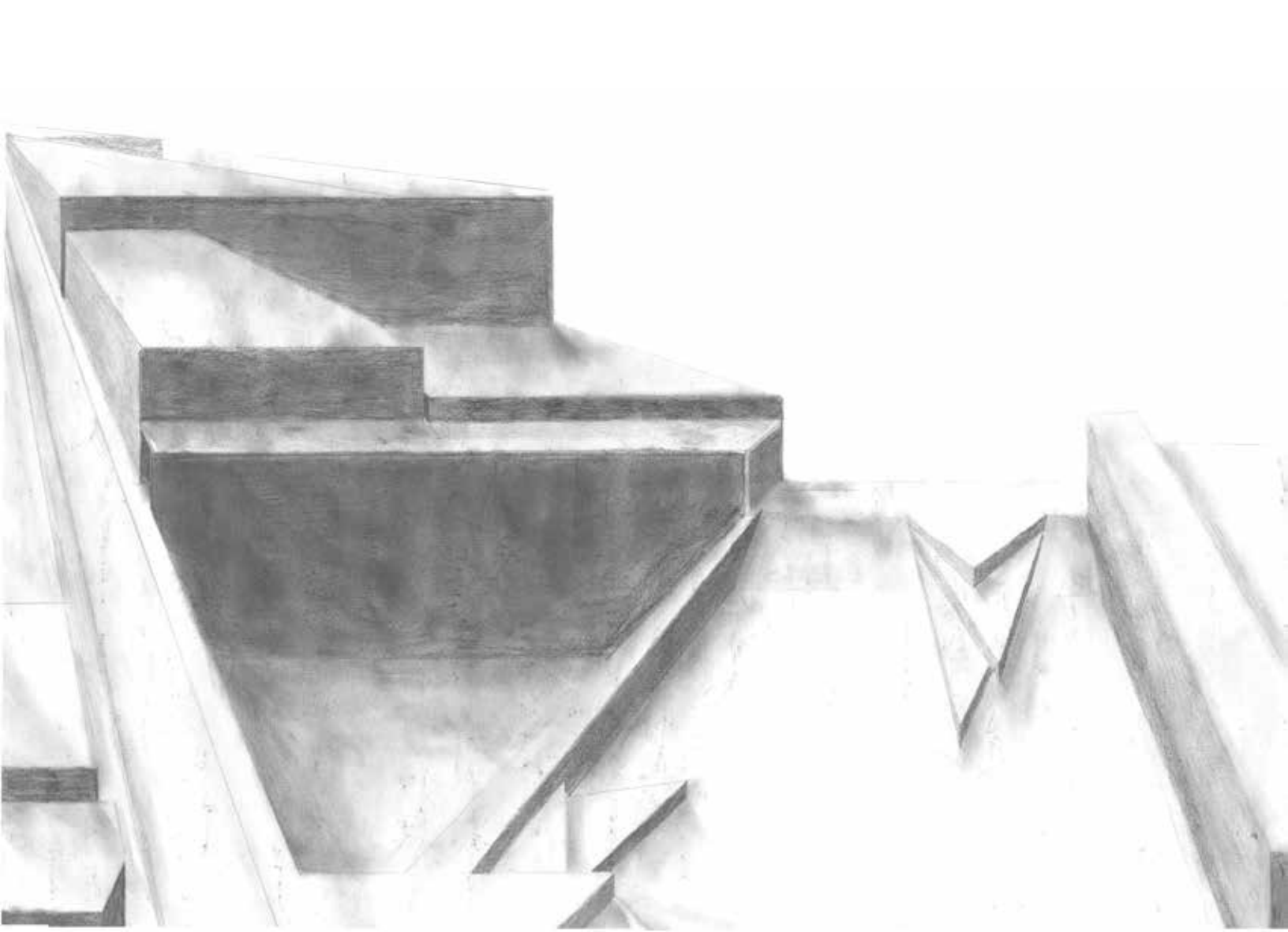
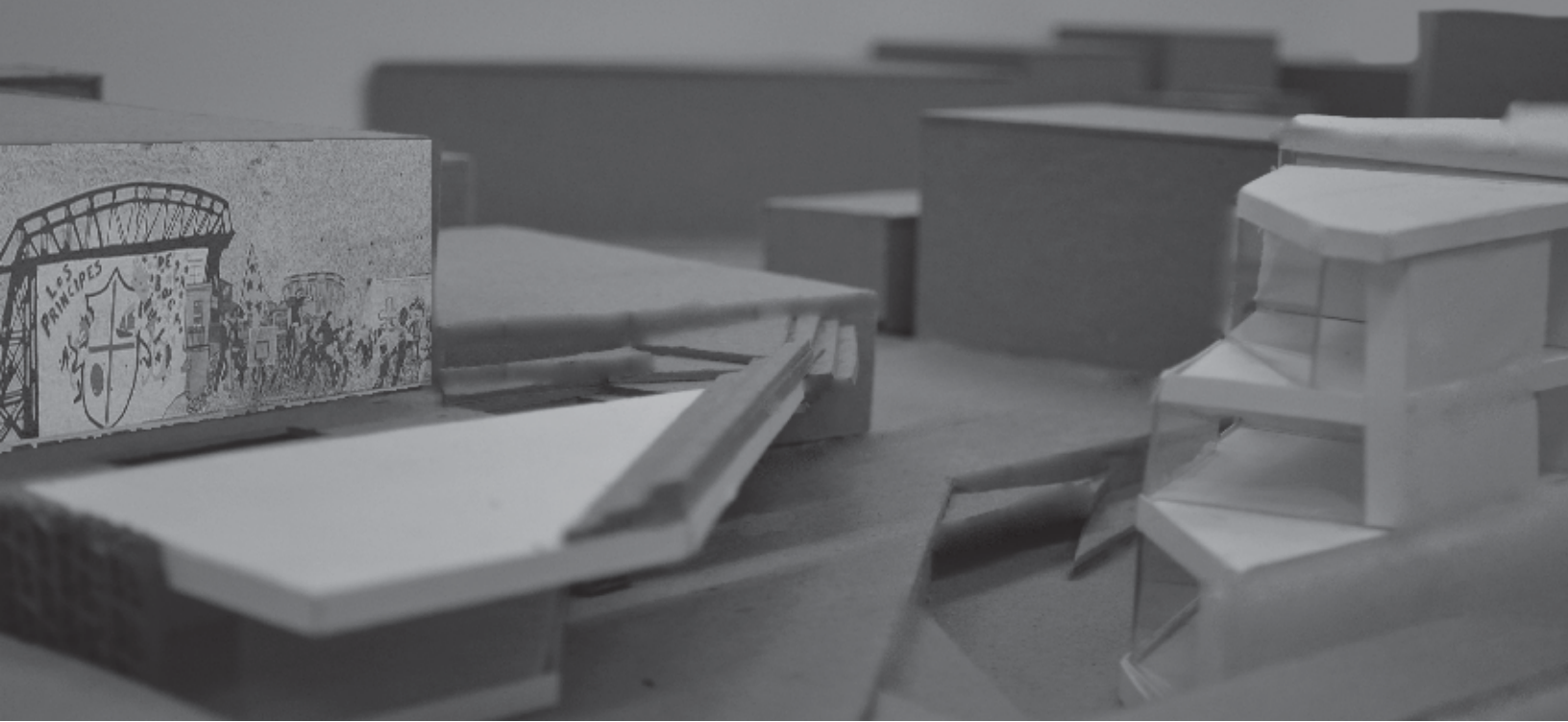


THE SITE IS HOME TO A MURAL THAT READS "REPUBLICA DE LA BOCA". IN AN EFFORT TO MAINTAIN AND FURTHER ENHANCE THE PHOTOGENIC MURAL, A TUNNEL FRAMES THE ART, AND A REFLECTING POOL ALLOWS LIGHT TO PLAY WITH THE MURAL'S SURFACE.

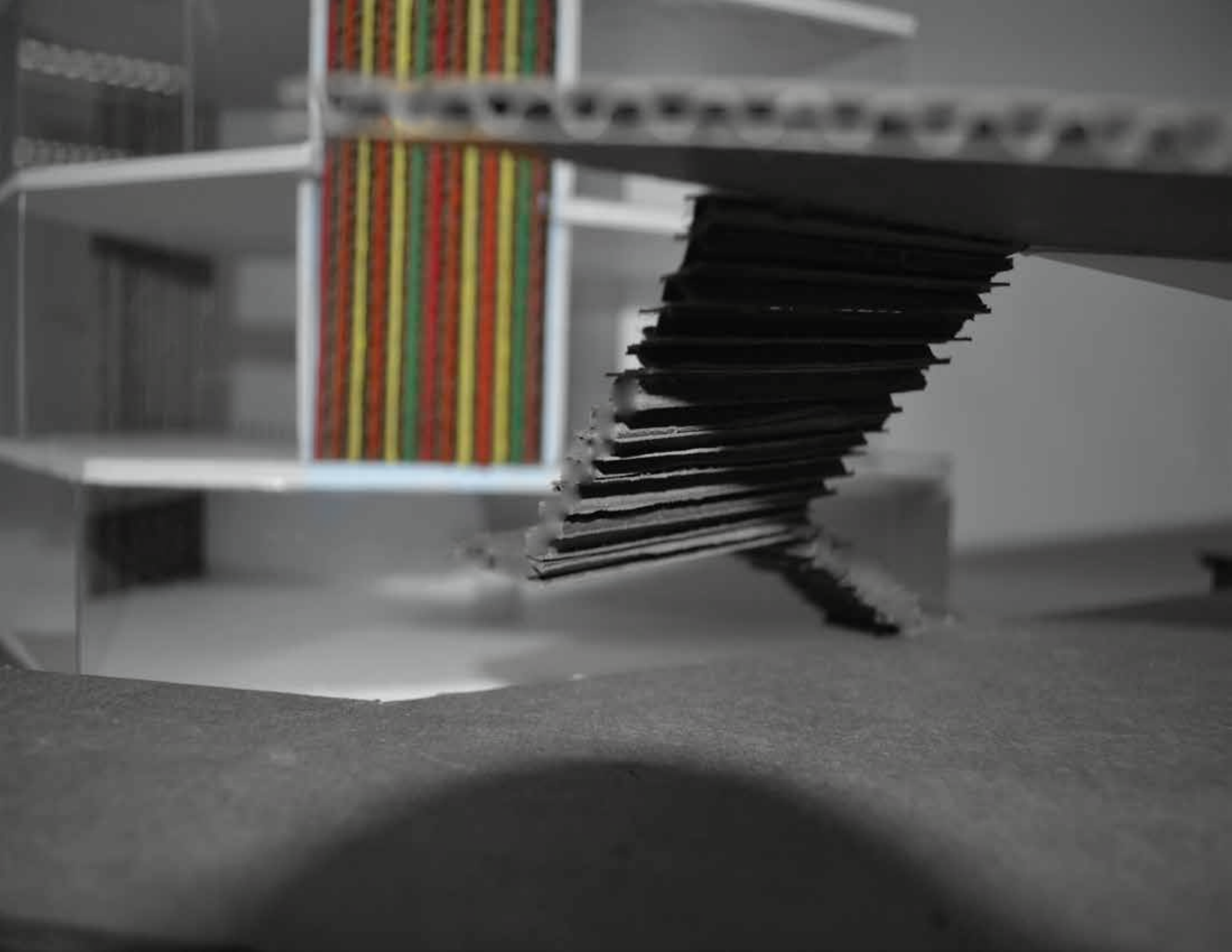












ONTOP OF THE TANGO
SCHOOL IS A ROOF-TOP PARK
AND STAGE AREA FOR
TANGO. THE DANCE FLOOR
OFFERS A BETTER VIEW OF THE
SURROUNDING CITY AND
CAPTURES THE TOP HALF OF
THE MURAL.

