Proposal

Model of building in site from the street
Capitals dress the columns right the plaza at night creating dynamic shadows.
First Floor
1. circulation / mechanical
2. atrium spaces
3. main entry / stair
4. cafeteria
5. administrative offices
6. kitchen
7. janitor / utility closet
8. library / circulation desk
9. reading room
10. kindergarten classrooms
11. first grade classrooms
12. nursery school

School Plans

Looking down school hall toward window of classroom

View through atrium toward classroom

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Classrooms

1. circulation / mechanical
2. atrium spaces
3. glass block in floor
4. hallway
5. restroom
6. classroom entry
7. teacher’s desk
8. main teaching surface
9. individual learning spaces

Looking toward main teaching surface in a classroom

Individual learning spaces around columns in classroom

School Plans
Second Floor

1. circulation / mechanical
2. atrium spaces
3. gymnasium
4. office
5. shower rooms
6. music room
7. practice rooms
8. office
9. second grade classrooms
10. teachers' lounge
11. third grade classrooms
12. art rooms

School Plans
Third Floor

1. circulation / mechanical
2. atrium spaces
3. gymnasium viewing deck
4. music room balcony
5. fourth grade classrooms
6. fifth grade classrooms
7. adult learning center

School Plans
Roof Garden

1. circulation / mechanical
2. atrium spaces
3. stair vestibule to roof
4. boardwalk

School Plans

View of boardwalk next to atrium on roof garden

Light on playground from behind towers

Light shelf and roof garden
1st Floors

1. circulation / mechanical
2. private garden
3. maintenance deck
4. entry
5. bathroom / laundry
6. dining room
7. kitchen
8. living room
9. study

Residence Plans
2nd Floors

1. circulation / mechanical
2. private garden below
3. maintenance deck
4. playroom
5. bedroom
6. closet
7. bathroom
Choosing the appropriate metal fabric for the screen was difficult. Three screen types were selected and then tested on the section model to determine which fulfilled all the desired functions. It was important that the screen not be distracting as horizontal and vertical bars over the window, which would result in a feeling of incarceration for the residents. Also a key consideration was that the percentage of open space allow for enough light into the residences for them to be comfortably day lit.

Lastly, it was important for the screen appear opaque from a distance giving the towers a more solid look, while still being transparent enough up close that the bearing walls still clearly read as different from the rest of the towers. To help further emphasize the strong structural walls, at the top the metal fabric ends and the walls protrude above the screen announcing their presence.

### Screen Studies

<table>
<thead>
<tr>
<th>Material</th>
<th>Open Area</th>
<th>Weight (lbs/sqft)</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bronze</td>
<td>37%</td>
<td>.50</td>
<td>.053</td>
</tr>
<tr>
<td>Aluminum</td>
<td>32%</td>
<td>.48</td>
<td>.130</td>
</tr>
<tr>
<td>Stainless Steel</td>
<td>32%</td>
<td>.90</td>
<td>.136</td>
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</tbody>
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This option is the heaviest of the three and combines rigid stainless steel bars with a stainless steel rope woven into them. This gives this screen a greater depth than the other two and the weaving breaks up the strong visual impression of the horizontal steel members.

Not only does this screen cast intricate shadows, but its depth gives a directional quality to the screen so that from straight on it is semi-transparent and when looking at the screen from an angle becomes opaque. Given the similar directional nature of the residences, this screen seemed to most appropriately fit the project.
Building Sections
In reflecting on the project, it became apparent that the meeting of the two programs was less of a joint and more of a union. Through the graphic studies, the layering of inks brought a realization that when two overlap they create a third level within their transparencies. This is very similar to the design for this building, in that the meeting of the two make a third space and a third program.

This union not only occurs in the physical meeting of the building but also in the functional and experiential as well. It is a place where learning is not just part of the day, but a real part of life. This is the real success of the thesis. This building brings the school into the life of the family as a place for gathering after school hours and brings the school into the life of the community as a energizing moment on the street in a once abandoned urban area.

Postscript
All images created by author.


