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Grace Street Senior Center

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t h e s i s

a senior center
ginny brockett

table of contents

section 1:	introduction	
	thesis statement	1
	design manifesto	2
	code overlay	3
	the site	4
	the floor plan	5
section 2:	research	6
	documentation and application	7
	case study- process: john ciardullo	8
	case study- program: norfolk senior center	12
	: the caring community	16
	case study- site: l'habite d'unitation	24
section 3:	program	
	the floor plan	30
	the percentages	31
	the adjacency matrix	32
section 4:	concept development	
	the models	33
	the sketches	34
section 5:	schematic design	
	mind mapping	35
	adjacency matrix	36
	bubble diagrams	37
	block diagrams	38
section 6:	design development	
	finished floor plan	42
	the rooms	44
	material schedule	52
section 7:	appendixes	56
	photo credits	
	bibliography	
	biography	

section 7:

appendixes
photo credits
bibliography
biography



introduction



Thesis statement

Societal structure has changed through the decades to reflect a contemporary interest in youth culture. The nuclear family, where generations lived under one roof no longer exists, leaving the elderly on the periphery of the family structure. Where once grandparents, parents and children all cohabitated, now the oldest family members are relegated to solitary retirement and aging alone. Studies have shown that “depression in the elderly is more likely to lead to suicide. Elderly white men are at greatest risk, with suicide rates in people ages 80 to 84 more than twice that of the general population. The National Institute of Mental Health considers depression in people age 65 and older to be a major public health problem.” (<http://www.healthyplace.com/communities/depression/elderly.asp>)

Providing social activity for seniors can increase their well being and by extension their physical health. The Grace Street Senior Center was designed to accommodate a variety of social activities for the center’s members as well as house the center’s administration. The member areas range in function from the public, for example, a multi-function area for dance and aerobic classes to the private such as the reading area and music room. All the spaces within the scope of this project are designed with the comfort and well being of the users paramount.

design manifesto

Just as public opinion vacillates and changes, so too does my own. What seems relevant to me today may not tomorrow. I think as humans, we are dynamic and our intensions and objectives change with a perspective only age and experience can clarify. With this said, I do believe there are principles that guide our thoughts and actions that are constant and define who we are and what we do. To these constants I am addressing this manifesto.

Designing a space should not be motivated by my desires, but by those of the user. In the field of design, it is our responsibility to acknowledge the beauty in all choices and support these in whatever manner possible. Design is not about “taste” but about synthesizing the knowledge of the designer with the wants of the client. It is our responsibility to be aware of the impact of our choices on society and the environment and to frame our decisions within the context of these choices and how they benefit the end user.

To take this a step further, good design shouldn't demean or belittle the one experiencing the output. It should challenge, but never to the point of exclusion. I am not speaking necessarily of the importance of Universal Design, which is unquestionably mandatory, but in the designer's responsibility to respect her users. It is the responsibility of the designer to create in a way that enlightens, but does not threaten. Outstanding design is judged by the user. If he is unable to use the space, or feels alienated or intimidated by it, what has the design gained? As designers, our role is to benefit those for whom we work, not glorify ourselves by foisting unwanted or unneeded pretentious design on the unsuspecting client.

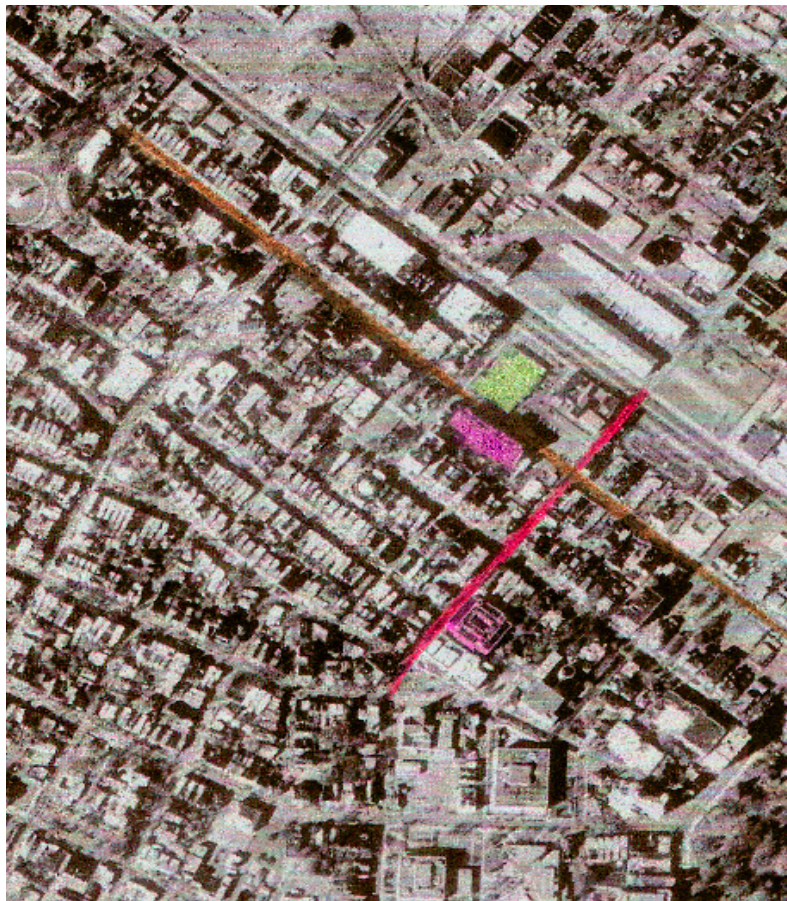
The role of a designer therefore extends beyond the creative. We must function as intermediaries between the client's unspoken desires and the means to manifest them. We serve as educators and liaisons of respect. We are sociologists, psychologists, artists and above all, humans, who believe in the dignity of all.

key:

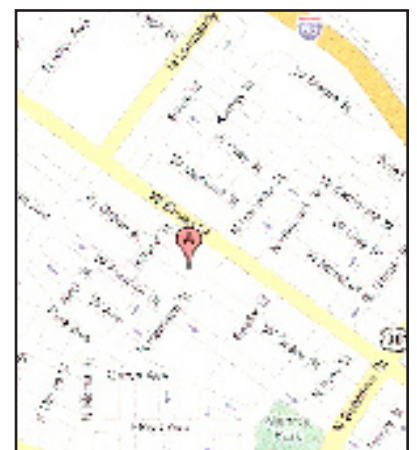
	Exits:	2
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the site

1025 w. grace street



-  dominion place
-  grace street
-  ukrops
-  pollak
-  harrison street



the floorplan



front elevation of dominion place as seen from grace street

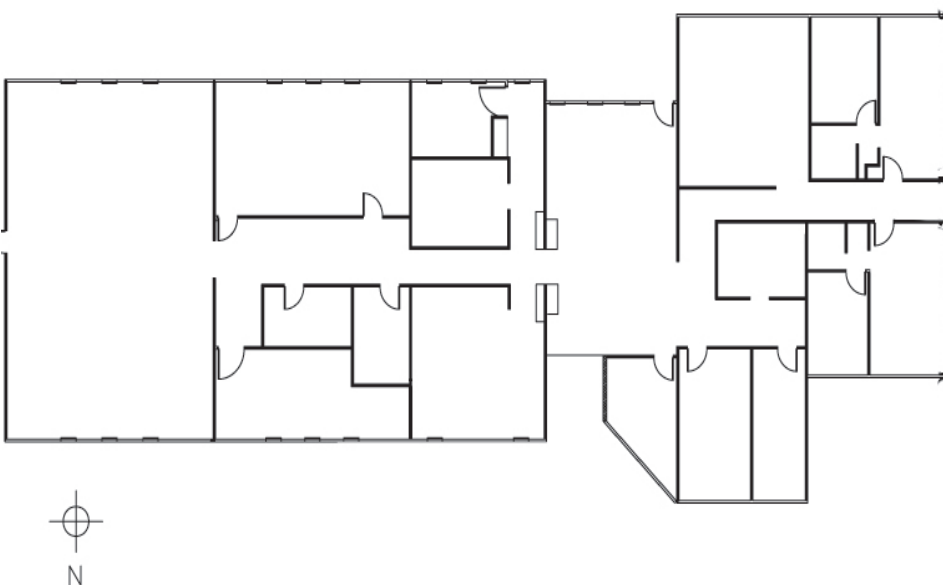


rear elevation as seen from the alley/parking area



7' concrete detailing on the facade of dominion place

dominion place is a controlled income high rise residence for adults over the age of 60. the east wing currently contains public space on the ground floor with 11 stories of apartments above. the west wing is a total of 11 stories all of which are residential. the top of the building is used as a roof top garden. the central core of the building contains the lobby, mailboxes, maintenance, reception and the elevators all on the first floor. for puposes of this project, only the ground floor public area, reception area and 2 ground floor west wing apartments were utilized, totalling 6700 sqare feet.



research

the principles of universal design:

- * principle one - equitable use: the design is useful and marketable to people with diverse abilities
- * principle two - flexibility in use: the design accommodates a wide range of individual preferences and abilities
- * principle three - simple and intuitive: use of the design is easy to understand, regardless of the user's experience, knowledge, language skills, or current concentration level
- * principle four - perceptible information: the design communicates necessary information effectively to the user, regardless of ambient conditions or the user's sensory abilities
- * principle five - tolerance for error: the design minimizes hazards and the adverse consequences of accidental or unintended actions
- * principle six - low physical effort: the design can be used efficiently and comfortably and with a minimum of fatigue
- * principle seven - size and space for approach and use: appropriate size and space is provided for approach, reach, manipulation and use regardless of user's body size, posture, or mobility

source: 1997 NC State University, The Center for Universal Design

“because softer colors and colors of similar intensities are very difficult for the aging eye to discriminate, rooms and facilities decorated in pastels will appear very dull and sometimes gray to senior citizens....elderly persons who spend significant amounts of time in these environments may find themselves feeling depressed by the constant drabness of the colors they perceive.”
(http://hubel.sfasu.edu/research/donia/impact_of_low_vision.htm)



Paint- Lounge
Sherwin Williams:
Antiquity SW6402



Paint- Cafe
Sherwin Williams:
Lavender SW4418



Paint- Class room
Sherwin Williams:
Bluebell SW4833



Paint- Library
Sherwin Williams:
Surf SW1830

“choose complementary colors: it is recommended to choose colors from opposite sides of the color wheel, e.g. when choosing a primary color such as blue, its complementary color would be orange.”
(<http://www.otol.umd.edu/UUPractices/elderly/>)

fall prevention modifications:

* create color contrasts between walls and floors; lighter-colored floor surfaces are preferable



painted lounge wall in contrast to lighter carpeting

* minimize changes in walking surfaces, and use slip-resistant coverings such as rough tile and carpte with short dense pile

* increase lighting and reduce the contrasts in lighted areas
(<http://www.nsc.org/issues/ifalls/falfalls.htm>)

john ciardullo: the process

john ciardullo: the biography

john ciardullo was raised in the bronx, new york. he has a bachelors degree in civil engineering from bradley university and a masters in architecture from harvard. he began his firm, john ciardullo associates in 1970 and, "has designed community facilities such as award winning schools, recreation centers, libraries, parks, pools and a variety of housing types that have significantly and positively impacted their communities." he has also taught at the university level at pratt institute, as well as at columbia and harvard universities.

(from : <http://jca-architecture.com/ourpeople/jciardullo>)



figure 1: john ciardullo

st. peter's park and recreation center: newark, nj (1976)



figure 2

owen dolen golden age center: bronx, ny (1982)

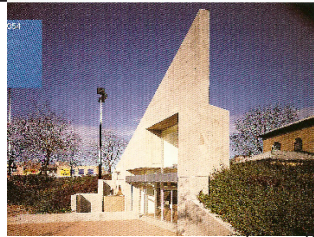


figure 3

isabelle miller community center: camden, nj (1982))



figure 4

hamilton fish park and recreation center: new york, ny (1992)



figure 5

gerritsen beach branch library: brooklyn, ny (1997)



figure 6

edgemont junior-senior high school: scarsdale, ny (2002)



figure 7

john ciardullo: the works

john ciardullo: the process

“people crave interaction, to be part of something”

environmental hierarchy as defined by john ciardullo:
private/individual
private/family
private/group
group
public/group
public/urban
(kinzer hohle, 2004)

...their [john ciardullo associates] feeling about the importance of really getting to know the particular neighborhood in which a project is to be built [is] a crucial element in their design process (chapman, 2000)

john ciardullo's buildings succeed in communities because he sees the existing social organization, respects it and takes it as a model for the physical form.
(kinzer hohle, 2004)



figure 8: plaza borinquen

“the inviolable dignity of each human being”



figure 9: south patterson library

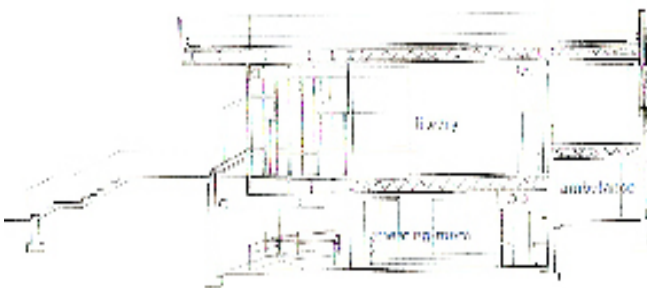


figure 10: south patterson library



figure 11: gerritsen branch library

from the beginning of a project, the architect-as-sociologist must question programming and advocate possibilities for the entire range of social experiences. (kinzer hohle, 2004)

...social content over architectural form...(kinzer hohle, 2004)

...the architect adds a new ingredient: a sense of community possession through unusually close attention to the particular group of users' needs and wants. (spears, 1978)

if there is one thread that runs throughout john's work, it is that he creates unique spaces. he gives the communities a sense of place (Chapman, 2000)

aesthetics is just aesthetics, but how you arrive at a solution to the social issue- that's the work i've been doing all these years. (kinzer hohle, 2004)

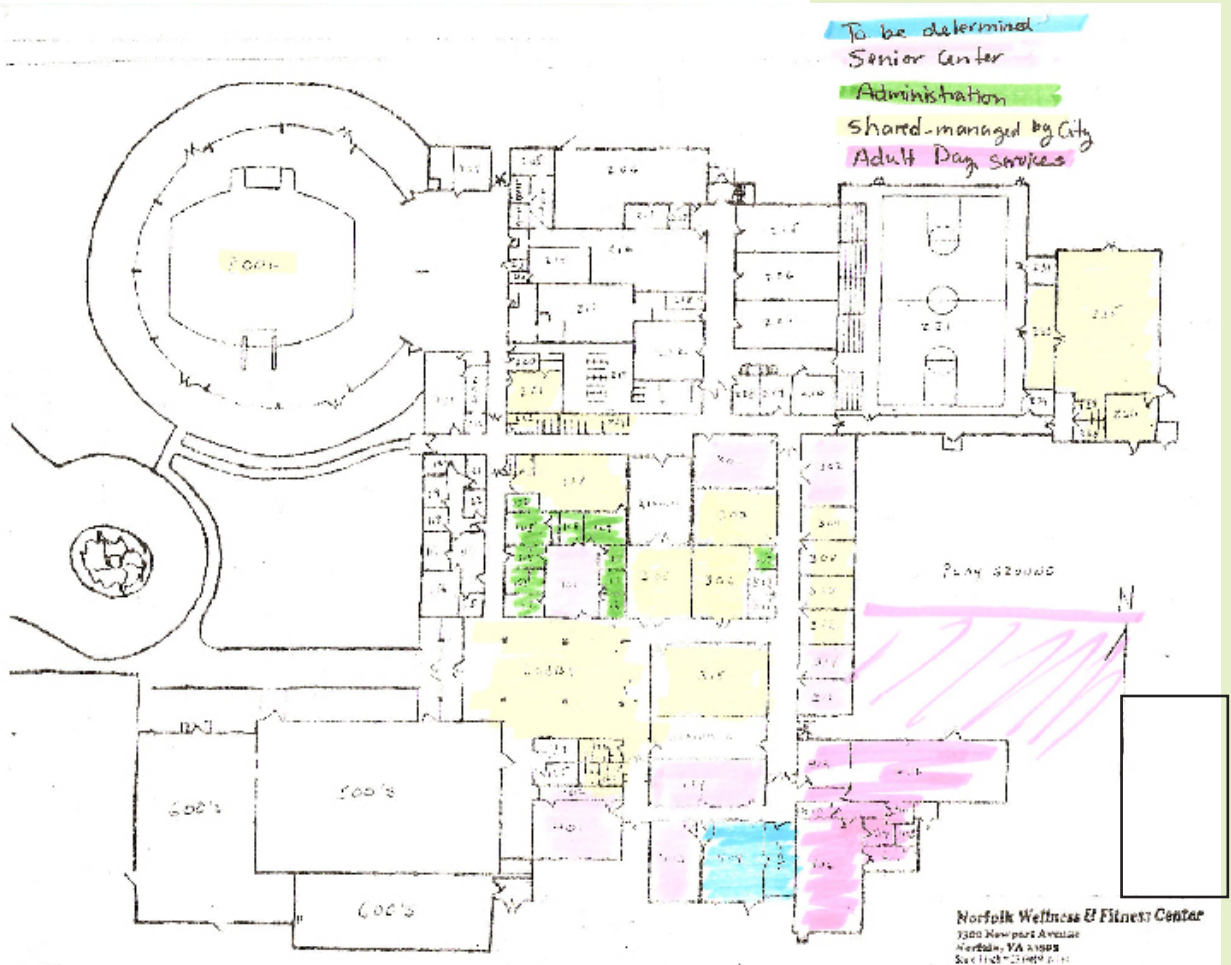
norfolk senior center: the
program

the site

the norfolk senior center is located at 7300 newport avenue in norfolk, virginia. the center shares the former jcc building with a physical therapy office and a wellness facility.



a diagrammatic floorplan indicating the spaces within the newport avenue facility designated for the norfolk senior center as indicated in pink.



the questionnaire

this questionnaire was submitted to the directors of all senior centers in my studies. the norfolk senior center is led by barbara lifland who provided these responses.

What programs do you have available to members?
see program

How many members do you currently have?
roughly 900
dues are \$25 annually

What would your ideal space include?

Our current space is shared with other Norfolk programs, which unfortunately limits our programming abilities. We would love to include cardio facilities and expand our parking lot. If we could, we'd renovate our kitchen to give it a more home-like appearance, eliminate the ugly cinderblock walls. Our dream list includes a sensory wandering garden, volunteers who understand our specialized equipment better and staff training for adaptation and community outreach.

What are the demographics of your members?
163 men
404 women
member age study:
age 51-61: 70
age 62+: 96
age unknown: 106

What is the employment structure of the center?
full time: membership coordinator and director, executive director and assistant, accounting manager
part time: information and referral staff, ceramics and woodshop staff, custodian, office assistant, clerk

Why do members want to be at the senior center?
most live alone and just want to be with people with similar interests. many come for the classes offered, exercise in particular.






Norfolk Senior Center/PrimeTime/November 2007

Page 9

On-going Activities

Each Monday	Each Tuesday	Each Wednesday	Each Thursday	Each Friday
9-10 Tai Chi Int 9-12 Ceramics 9-1 Woodworking 10-12 Reg. Bridge Lessons 10-3 Bridge-Open Play 11-ish Lunch 12-4 Mah Jongg	9-1 Woodworking 9:30-10:15 Exercise 10-12 Intern. Painting 10-12 Open Game Play/Scrabble 10-12 Singing 10:30-11:30 Dancercise 11-ish Lunch 12-4:30 Open Dance 12:30-2:30 Intro. to Computers	9-12 Ceramics 9-12 Scrabble/Open Game Play 11-12 Piano Prerios Yoga 11-ish Lunch 12:00 Ringo Hall Open 12-4 Mah Jongg 12-4 Woodcarving 12:30 Bingo Sales BINGO	9-12 Ceramics 9-1 Woodworking 9:30-10:15 Exercise 9:30-11:30 Intro. to Computers 11-4 Bridge-Open Play 11-ish Lunch 12:30-2 Computer Lab	9-12 Open Art Studio 11-3 Mah Jongg Lunch 12-3 Open Game Play
Jitney Pick-up Service		Jitney Pick-up Service	Jitney Pick-up Service	

Additional Activities

Monday	Tuesday	Wednesday	Thursday	Friday
Oct. 29 1:30 - 3 Flu Clinic	Oct. 30 	Oct. 31 	1 9-12 Quilting & Sewing 9 Comm. on Aging 9:30-11:30 Intro. to Computers - New Series 11:30-12 Lip Reading 12:15-1 Sign Language SSAA Art Exhibit Intake	2 9:30-3:30 Jitney Trip: Shopping Service Bottom Dollar Food 12-2 Clay - Handbuilding SSAA Art Exhibit
5 9-10 Tai Chi Intermed. -New Series 9:30-11:30 Basic Computer -New Series 10-12 Reg. Bridge Lessons - New Series SSAA Art Exhibit	6 10-12 Intermed. Paint New Series 9:30-3:30 Jitney Trip: Edwards Traditions Surry 2-4 SSAA Artists' Reception SSAA Art Exhibit	7 10 Yoga - New Series 12-2:30 Massage 10-12 Lamp & Small Appliance Repair PrimeTime Copy Deadline SSAA Art Exhibit	8 11:30-12 Lip Reading 12:15-1 Sign Language Holiday Ornament Workshop reg. deadline SSAA Art Exhibit	9 9:30 SC Advisory Council Meeting 10:45 SeniorNet Council Meeting SSAA Art Exhibit
12  Veteran's Day	13 10-3 Bowman's Nursery with the SAVVYS Honey Fair Registration Deadline SSAA Art Exhibit	14 9  Blood Pressure Screening 10 Investment Club 10 Smart Money SSAA Art Exhibit	15 9-12 Quilting & Sewing 11:30-12 Lip Reading 12:15-1 Sign Language 10:30 AARP Chapter Meeting SSAA Art Exhibit	16 12-5 Holiday Faire 12-2:30 Jitney Service 12:00 Red Hat Society Zio's Restaurant SSAA Art Exhibit 17 10:00-3 Holiday Faire
19 9:30-11:30 Basic Computer 10-2 55 Alive Driving SSAA Art Exhibit	20 9:30-3:30 Jitney Trip: Shopping Service Wal-Mart 10-2 55 Alive Driving 1 Genealogy Group SSAA Art Exhibit	21 11:30 SAVVY Singles 2-3:30 Ornament Workshop No Meals SSAA Art Exhibit	22 	23
26 9:30-11:30 Basic Computer 2-4 Holiday Craft Workshop SSAA Art Exhibit	27 SSAA Art Exhibit	28 10-12 Lamp & Small Appliance Repair 12 BINGO PARTY sponsored by the Ballerinas SSAA Art Exhibit	29 SSAA Art Exhibit	30 11:00 Book Club 12-2 Clay - Handbuilding SSAA Art Exhibit

Please sign up for all activities!

activities include:

- * exercise: tai chi, dancercise, yoga
- * ceramics
- * woodworking/carving
- * bridge play/lessons
- * mah jongg play
- * painting
- * scrabble
- * computer instruction
- * piano lessons
- * bingo
- * medical assistance/flu shots
- * lip reading/sign language
- * "jitney trip" tba
- * pottery
- * in house artist reception
- * massage
- * lamp repair
- * holiday ornament workshop
- * lecture series
- * genealogy group
- * book club
- * quilting and sewing

new york city, the caring
community: the program

the sites

first presbyterian church
12 west 12th street



figure 1

center on the square
20 washington square north



figure 2

independence plaza
310 greenwich street



figure 3

our lady of pompeii church
25 carmine street



figure 4

What programs do you have available to members?
see schedule

How many members do you currently have?
The Caring Community is set up with four centers in the Greenwich Village & Tribeca area. All together we serve 300 meals per day & about 400-450 for lunch & activities.

What would your ideal space include?
Each center is located in a rented space (Ex. church basement). I would think that the ideal space should have a dining room for lunch & 3-4 other multi-purpose rooms where activities can be held.

What are the demographics of your members?
Since we are funded partially by The NYC Department for The Aging, they mandate the age requirement – 60 years old for the centers. Approximately there are 75% women & 25% men. (No official censuses has been taken)

What is the employment structure of the center?
We have an executive director & Operations manager housed in our main building at 20 Washington Square North. They oversee the four centers – each one with a full time center director running the center, a part-time kitchen aid & porter.

Why do members want to be at the senior center?
Members participate for many reasons:

1. Interaction with their peers
2. We want them to avoid social isolation
3. Receive social service and educate them on all the services NYC has to offer
4. Nutritionally balanced lunch (for many this is the only meal they have)
5. Extensive Educational and recreational program in each center

laura marceca
center director
the caring community senior center
center on the square

caroline grable
center director
the caring community senior center
independence plaza

What programs do you have available to members?
[see schedule](#)

How many members do you currently have?
100 to 150

What would your ideal space include?
At Independence Plaza senior center we are in one large room. My ideal space would be to have classes in separate rooms. Lunch in a room by itself etc.

What are the demographics of your members?
Ages 60 – 90 and up mostly 90% female and 10% male

What is the employment structure of the center?
Board members, Executive Director Center Directors Kitchen aids, Social workers, consultants, and lots volunteers.

Why do members want to be at the senior center?
Most of them it is their main meal. The other is for the programs. They like to work with their hands.

What programs do you have available to members?
see schedule

How many members do you currently have?
100 to 150

What would your ideal space include?
Any space that complies with city laws and codes and
Is wheelchair accessible.

What are the demographics of your members?
4 Senior Centers – Apx 400 members
Must be 60 or older to be a member

What is the employment structure of the center?
Non-profit = minimum paid staff
Functions with many volunteers

Why do members want to be at the senior center?
Lunch served Mon thru Fri (Hot Meals)
For a voluntary donation of \$1.00
If a member cannot afford it, they can still have a meal
We have activities and classes – exercise, dance, games,
Shows, chorus, guitar, crafts.

vera j. reale
center director
the caring community senior center
first presbyterian church

the schedules

center on the square:

Monday	Tuesday	Wednesday	Thursday	Friday
<p>1</p> <p>9-5 Computer Room Open</p> <p>9:30 Tai Chi—Parlor</p> <p>11:00 Chinese Painting</p> <p>11:00 Advisory Council</p> <p>11:15 Shakespeare—Parlor</p> <p>1:30 Menorah & Christmas Tree Lighting with Linda & Wally</p> <p>2:00 Poetry with Judith—Chapel</p>	<p>4</p> <p>9-5 Computer Room Open</p> <p>10:15 Stretch & Tone</p> <p>11:00 Advanced Italian—Chapel</p> <p>1:30 Musical Workshop</p> <p>1:30 Spanish Class—Chapel</p> <p>1:30 Drawing & Painting—Art Room</p>	<p>5</p> <p>9-5 Computer Room Open</p> <p>11:00 Art History—Parlor</p> <p>11:15 Beginner's Italian—Chapel</p> <p>1:00 PACE Exercise Class—Parlor</p> <p>1:30 NYC History—Chapel</p> <p>1:30 Figure Drawing with Live Models—Art Room</p> <p>4:00 Weight Watchers</p>	<p>6</p> <p>9-5 Computer Room Open</p> <p>10:00 Dance to Swing—Parlor</p> <p>11:00 Singing Lessons—Parlor</p> <p>11:00 French is Fun!—Chapel</p> <p>1:30 Creative Writing—Chapel</p> <p>1:30 Portraits & Basic Drawing—Art Room</p> <p>1:30 Bridge—Parlor</p> <p>4:00 Village Sober & Over 60 Group—Chapel</p>	<p>7</p> <p>9-5 Computer Room Open</p> <p>10:30 Knitting with Arlene—Art Room</p> <p>10:30 2008 Theater Club Meeting—Chapel Room</p> <p>11:00 Feldenkrais—Parlor</p> <p>1:00 Opera Class—Negus</p>
<p>8</p> <p>9-5 Computer Room Open</p> <p>9:30 Tai Chi—Parlor</p> <p>11:00 Chinese Painting</p> <p>11:15 Shakespeare—Parlor</p> <p>1:30 PM Membership Meeting—Parlor</p> <p>2:00 Poetry with Judith—Chapel</p>	<p>11</p> <p>9-5 Computer Room Open</p> <p>10:15 Stretch & Tone</p> <p>11:00 Advanced Italian—Chapel</p> <p>1:30 Musical Workshop</p> <p>1:30 Spanish Class—Chapel</p> <p>1:30 Drawing & Painting—Art Room</p>	<p>12</p> <p>9-5 Computer Room Open</p> <p>11:00 Art History—Parlor</p> <p>11:15 Beginner's Italian—Chapel</p> <p>1:00 PACE Exercise Class—Parlor</p> <p>1:30 NYC History—Chapel</p> <p>1:30 Figure Drawing with Live Models—Art Room</p> <p>4:00 Weight Watchers</p>	<p>13</p> <p>9-5 Computer Room Open</p> <p>10:00 Dance to Swing—Parlor</p> <p>11:30 Tea Luncheon Meeting—Dining Room</p> <p>11:00 Singing Lessons—Parlor</p> <p>11:00 French is Fun!—Chapel</p> <p>1:30 Creative Writing—Chapel</p> <p>1:30 Portraits & Basic Drawing with Live Models—Art Room</p> <p>1:30 Bridge—Parlor</p> <p>4:00 Village Sober & Over 60 Group—Chapel</p>	<p>14</p> <p>9-5 Computer Room Open</p> <p>10:30 Knitting with Arlene—Art Room</p> <p>11:00 Feldenkrais—Parlor</p> <p>1:00 Opera Class</p>
<p>17</p> <p>9-5 Computer Room Open</p> <p>9:30 Tai Chi—Parlor</p> <p>11:00 Chinese Painting</p> <p>11:15 Shakespeare—Parlor</p> <p>1:00 Opera Class</p> <p>2:00 Poetry—Chapel</p>	<p>18</p> <p>9-5 Computer Room Open</p> <p>10:15 Stretch & Tone—Parlor</p> <p>11:00 Advanced Italian—Chapel</p> <p>1:30 Spanish Class—Chapel</p> <p>1:30 Drawing & Painting—Chapel</p> <p>1:30 Evelyn's Showtime Holiday Show—Parlor</p>	<p>19</p> <p>9-5 Computer Room Open</p> <p>11:00 Art History—Parlor</p> <p>11:15 Beginner's Italian—Chapel</p> <p>1:00 PACE Exercise Class—Parlor</p> <p>1:30 NYC History—Chapel</p> <p>1:30 Figure Drawing with Live Models—Art Room</p> <p>4:00 Weight Watchers</p>	<p>20</p> <p>9-5 Computer Room Open</p> <p>10:00 Dance to Swing—Parlor</p> <p>11:00 Nutrition Lecture—Dining Room</p> <p>11:00 Singing Lessons—Parlor</p> <p>11:00 French is Fun!—Chapel</p> <p>1:15 Holiday Sing-A-Long Songs—Dining Room</p> <p>1:30 Creative Writing—Chapel</p> <p>1:30 Portraits & Basic Drawing—Art Room</p> <p>1:30 Bridge—Parlor</p> <p>4:00 Village Sober & Over 60 Group—Chapel</p>	<p>21</p> <p>9-5 Computer Room Open</p> <p>10:30 Knitting with Arlene—Art Room</p> <p>11:00 Feldenkrais—Parlor</p> <p>1:30 PM Entertainment Bernie Brandell</p>
<p>24</p> <p>9-5 Computer Room Open</p> <p>9:30 Tai Chi—Parlor</p> <p>11:00 Chinese Painting</p> <p>11:15 Shakespeare—Parlor</p> <p>2:00 Poetry—Chapel</p> <p>Center Closing at 3:00 PM</p>	<p>25</p> <p>Center Closed Merry Christmas</p>	<p>26</p> <p>9-5 Computer Room Open</p> <p>11:00 Art History—Parlor</p> <p>11:15 Beginner's Italian—Chapel</p> <p>1:00 PACE Exercise Class—Parlor</p> <p>1:30 NYC History—Chapel</p> <p>1:30 Figure Drawing with Live Models—Art Room</p> <p>4:00 Weight Watchers</p>	<p>27</p> <p>9-5 Computer Room Open</p> <p>10:00 Dance to Swing—Parlor</p> <p>11:00 Singing Lessons—Parlor</p> <p>11:00 French is Fun!—Chapel</p> <p>1:30 Creative Writing—Chapel</p> <p>1:30 Portraits & Basic Drawing—Art Room</p> <p>1:30 Bridge—Parlor</p> <p>4:00 Village Sober & Over 60 Group—Chapel</p>	<p>28</p> <p>9-5 Computer Room Open</p> <p>10:30 Knitting with Arlene—Art Room</p> <p>11:00 Feldenkrais—Parlor</p> <p>1:30 PM Entertainment Rexi Martin Performs "Mistle Marlene"</p>
<p>31</p> <p>9-5 Computer Room Open</p> <p>9:30 Tai Chi—Parlor</p> <p>11:00 Chinese Painting</p> <p>11:15 Shakespeare—Parlor</p> <p>2:00 Poetry—Chapel</p> <p>Center Closing at 3:00 PM</p>	<p>THEATER TICKETS ARE AVAILABLE IN THE LOBBY TUESDAY—FRIDAY 11:30 AM—12:30 PM & 1:00 PM—2:30 PM</p>			

activities include:

computer classes
art history
tai chi
knitting
chinese painting
opera class
poetry reading
weight watchers
foreign language classes
shakespeare study

NYC history
card games



December 2007 Caring Community Program Schedule




Independence Plaza Senior Center—310 Greenwich Street 2nd Floor—Contact Caroline Grable (212) 267-0499—Programs subject to change

Mon	Tue	Wed	Thu	Fri
<i>The Caring Community Is funded in part by the NYC Department for the Aging</i>			COMPUTER CLASSES WEEK OF December 3rd and week of December 17th	
3 10:00 Let's have coffee & talk 11:15 STRETCH CLASS 1:30 MOSAIC CLASS 1:45 Bingo	4 10:00 Let's have coffee & talk 10:30 Jewelry Class 11:00 YOGA CLASS 1:45 <u>NO LINE DANCING</u>	5 10:00 Let's have coffee & talk 11:15 STRETCH CLASS 1:30 <u>BEADING CLASS</u> 1:45 ART CLASS	6 10:00 Let's have coffee & talk 11:00 <u>NEW CLASS AWARENESS THROUGH MOVEMENT</u> 1:00 Blood Pressure Taken 1:30 <u>NO MOSAIC CLASS</u>	7 10:00 Let's have coffee & talk 11:30 <u>Jazzercise Lite Class</u> 12:00 Discussion Group 1:45 Working with Clay 1:45 Bingo
10 10:00 Let's have coffee & talk 11:15 STRETCH CLASS 1:30 MOSAIC CLASS 1:45 Bingo	11 10:00 Let's have coffee & talk 10:30 Jewelry Class 11:00 YOGA CLASS 1:45 <u>NO LINE DANCING</u>	12 10:00 Let's have coffee & talk 11:15 STRETCH CLASS 1:30 <u>NO BEADING CLASS</u> 1:45 ART CLASS	13 10:00 Let's have coffee & talk 11:00 <u>NEW CLASS AWARENESS THROUGH MOVEMENT</u> 1:00 Blood Pressure Taken 1:30 MOSAIC CLASS	14 10:00 Let's have coffee & talk 11:30 <u>NO Jazzercise Lite Class</u> 12:00 Discussion Group 1:45 Working with Clay
17 10:00 Let's have coffee & talk 11:15 STRETCH CLASS 1:30 MOSAIC CLASS 1:45 Bingo	18 10:00 Let's have coffee & talk 10:30 Jewelry Class 11:00 YOGA CLASS 1:45 <u>NO LINE DANCING</u> <u>Birthday Celebration</u>	19 10:00 Let's have coffee & talk 11:15 STRETCH CLASS 1:30 <u>NO BEADING CLASS</u> 1:45 ART CLASS	20 10:00 Let's have coffee & talk 11:00 <u>NEW CLASS AWARENESS THROUGH MOVEMENT</u> 1:00 Blood Pressure Taken 1:30 <u>NO MOSAIC CLASS</u>	21 10:00 Let's have coffee & talk 11:30 <u>Jazzercise Lite Class</u> 12:00 Discussion Group 1:45 Working with Clay 1:45 Bingo
24 & 31 10:00 Let's have coffee & talk 11:15 STRETCH CLASS 1:30 <u>NO MOSAIC CLASS</u> 1:45 Bingo	25 <u>Center Closed IPN</u> <u>OLP Open for Lunch</u>	26 10:00 Let's have coffee & talk 11:15 STRETCH CLASS 1:30 <u>NO BEADING CLASS</u> 1:45 <u>NO ART CLASS</u>	27 10:00 Let's have coffee & talk 11:00 <u>NEW CLASS AWARENESS THROUGH MOVEMENT</u> 1:00 Blood Pressure Taken 1:30 MOSAIC CLASS	28 10:00 Let's have coffee & talk 11:30 <u>Jazzercise Lite Class</u> 12:00 Discussion Group 1:45 Working with Clay 1:45 Bingo

activities include:

stretch classes
art classes
mosaic making
health screening
bingo
sculpting
jewelry making
computer classes
yoga
line dancing
beading

The Caring Community FPC Senior Center Activity Schedule DECEMBER 2007

Monday	Tuesday	Wednesday	Thursday	Friday
3 10:00 Chair Exercise 12:30 Lunch 1:30 Lamp Repair 1:30 Pokeno or Bingo	4 11:30 Blood Pressure 12:30 Lunch 1:30 Exercise Class 2:30 Yoga (Floor Mats) HANUKKAH BEGINS	5 10:00 Chair Exercise 12:00 Discussion Group 12:30 Lunch 1:30 Pokeno or Bingo	6 10:00 Yoga (Chair) 11:00 Hula 12:30 Lunch 1:30 Movie "Miracle on 34th St."	7 10:00 Chair Exercise 10:30 Music/Guitar Class 11:00 Chorus 12:30 Lunch 1:30 Music Practice
10 10:00 Chair Exercise 12:30 Lunch 1:30 Lamp Repair 1:30 Pokeno or Bingo	11 11:30 Blood Pressure 12:30 Lunch 1:30 Pokeno or Bingo 1:30 Exercise Class 2:30 Yoga (Floor Mats)	12 10:00 Chair Exercise 12:00 Discussion Group 12:30 Lunch 1:30 Pokeno or Bingo	13 10:00 Yoga (Chair) 11:00 Hula 12:30 Lunch	14 10:00 Chair Exercise 10:30 Music/Guitar Class 11:00 Chorus 12:30 Lunch 1:30 Music Practice
17 10:00 Chair Exercise 12:30 Lunch 1:30 Lamp Repair 1:30 Pokeno or Bingo 1:30 Medicare Part D Lecture Sponsored by City Council	18 11:30 Blood Pressure 12:30 Lunch 1:30 Pokeno or Bingo 1:30 Exercise Class 2:30 Yoga (Floor Mats) 1:30 HAPPY BIRTHDAY	19 10:00 Chair Exercise 12:30 HOLIDAY LUNCH 1:00 SHOW JERRY SALAMONE SINGER 2:30 Pokeno or Bingo	20 10:00 Yoga (Chair) 11:00 Hula 12:30 Lunch 1:30 Nutrition Lecture 9:30 \$\$\$DOLLAR PLUS \$\$\$SALES\$	21 10:00 Chair Exercise 10:30 Music/Guitar Class 11:00 Chorus 12:30 Lunch 1:30 Music Practice
24 10:00 Chair Exercise 12:30 Lunch 1:30 Lamp Repair 1:30 Pokeno or Bingo	25 CLOSED MERRY CHRISTMAS	26 10:00 Chair Exercise 12:00 Discussion Group 12:30 Lunch 1:30 Pokeno or Bingo KWANZA BEGINS	27 10:00 Yoga (Chair) 11:00 Hula 12:30 Lunch 1:30 Movie "Sister Act 2"	28 10:00 Chair Exercise 10:30 Music/Guitar Class 11:00 Chorus 12:30 Lunch 1:30 Music Practice
31 10:00 Chair Exercise 12:30 Lunch 1:30 Lamp Repair 1:30 Pokeno or Bingo HAPPY NEW YEAR				12/7 - 11:30 CONCERT IN ASSEMBLY HALL

Programs Funded In Part by NYC Department for the Aging

activities include:

chair exercise
lecture series
lamp repair
holiday celebrations
card games
bingo
health screening
movies
hula classes
yoga
music/guitar lessons
chorus

The Caring Community
Sandy Gablin – Center Director
Our Lady of Pompeii Senior Center
212.989.3620

our lady of pompeii church

December 2007

Monday	Tuesday	Wednesday	Thursday	Friday
3 9:30 am Flu Shots 12 pm Poetry <u>Roasted Chicken</u> 2 pm Jewelry Class 3 pm Bingo	4 11 am Political Candidate Talk 12 pm Holiday Safety tips <u>Lasagna</u> 2 pm Games 3 pm Bingo	5 12 pm Favorite Recipes <u>Baked Fish</u> 2 pm Caring Chorus 2 pm Games 3 pm Bingo	6 11am Favorite Holiday Treats 12 pm Dressing for Winter <u>BBQ Chicken</u> 2pm Fun Party with Linda 3 pm Bingo	7 11 am-Current Events 12 p.m. Survival Tips <u>Fish Creole</u> 2 pm Dance Exercise Class 3 pm Bingo
10 11 am Happy Times 12 pm Poetry <u>Beef Stew</u> 1:45 Mission Speaker 2 pm Jewelry Class 2 pm Music with Mike Trombetta 3pm Bingo	11 11 Blood Pressure 12pm Personal Holiday Tales <u>Oven Fried Chicken</u> 2pm Games 3 pm Bingo 6 pm Annual Police Roast Beef Dinner	12 11 am Cooking Tips 12 p.m. Favorite Pictures <u>Pot Roast</u> 2 pm Christmas with Rita 3 pm Bingo	13 11 am Holiday Fair 12 pm TV Stories <u>Baked Honey Mustard Chicken</u> 2 pm Feldenkrais Movement Class 3 pm Bingo	14 11 am Holiday Fair <u>Pork Chops</u> 2 pm Holiday Sing along with Linda 2 pm Dance Exercise Class 3 Bingo

17 11 am Photography 12 pm Home Safety Tips <u>Braised Chicken &Vegetables</u> 2 pm Jewelry Class 3 pm Bingo	18 10 am Legal Clinic 12 pm Poetry <u>Turkey Meat Balls</u> 2 pm Lite Holiday Singing with Terri 3 pm Bingo	19 12 pm Good Times <u>Holiday Lunch</u> <u>Chicken Breast w Tarragon</u> 2 Games 2 Caring Chorus 3 pm Bingo	20 11 am Holiday Crafts 12pm Show & Tell <u>Pepper Steak</u> 2 pm Christmas Birthday w Linda 3 pm Bingo	21 11 am-Current Events 12 pm Happiness is <u>Roast Chicken</u> 2 pm Dance Exercise Class 3 pm Bingo
24 12 pm Survival Tips <u>Chicken Fricassee</u> 2 pm Games 2: Holiday Jewelry Class 3 p.m. Bingo	25 OLP Senior Center Is open for Holiday Lunch Doors open at 11:30 am Lunch is served at 12:30 pm	26 11 am Crafts 12 pm The Day after Stories <u>Hot Dogs with Sauerkraut</u> 2 Caring Chorus 3 pm Bingo	27 11am Creative Living 12 p.m. Crafts <u>Stuffed Cabbage w Tomato Sauce</u> 2 pm Feldenkrais Movement Class 3 pm Bingo	28 11 am-Current Events 12 p.m. Poetry <u>Sesame Chicken</u> 2 pm Dance Exercise Class 3 pm Holiday Bingo
31 11 am Good Food 12 pm Winter Tips <u>Roasted Chicken</u> 2pm Jewelry Class 3pm Bingo	<u>Flu Shots</u> <u>9:30-11:30 am</u> Monday December 3rd	Tuesday December <u>11,</u> <u>Annual Police</u> <u>Roast Beef Dinner</u> <u>6pm</u> <u>\$10</u>	<u>OLP Holiday Fair</u> <u>Thursday 12/13,</u> <u>Friday 12/14 &</u> <u>Saturday 12/15</u> <u>11 am – 4 pm</u> <u>Christmas Raffles &</u> <u>Ornaments and</u> <u>Holiday sing-along</u> <u>with Linda</u>	May everyone experience the Peace, joy and prosperity throughout this holiday season.

activities include:

health screening
poetry reading
jewelry class
political speakers

cooking class
bingo
holiday celebrations
movement classes

music classes
chorus
current events lectures

le corbusier: the site
l'unite d'habitation

color

le corbusier's tendency in his creation process was to classify and organize structural and design principles to later apply to his "machines for living" (ruegg, 1997). his distillation of color application is an example. per le corbusier the color blue, "achieves space, distances the wall, removes the quality of solidity" where red, "fixes the wall, affirms its exact position" (davey,1994). Le Corbusier determined that, "you can bring forward a wall (black), push it back (pale blue), and even destroy it (a yellow wall)" (sbriglio, 2004). these concepts are put into practice in l'unite d'habitation.

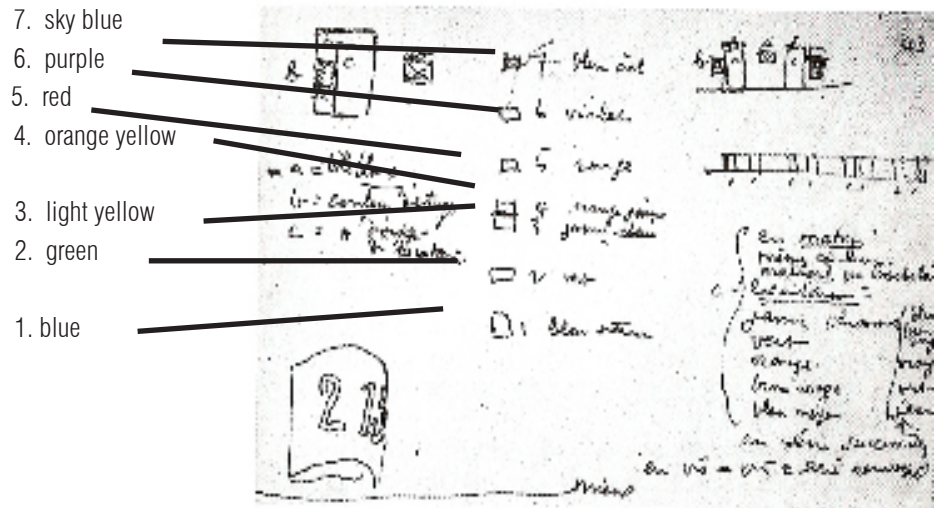


figure 1: color defining

le corbusier noted that the apartment front doors were to be of "the same color...as the loggia sunshade." consequently the doors were painted "in a successive series of colors: chrome yellow/green/orange/red/brown/medium blue. le corbusier ordered the opposite-facing front doors to be painted in what he calls a reverse series, i.e. blue/brown/red/orange/green/yellow" (Sbriglio, 2004)

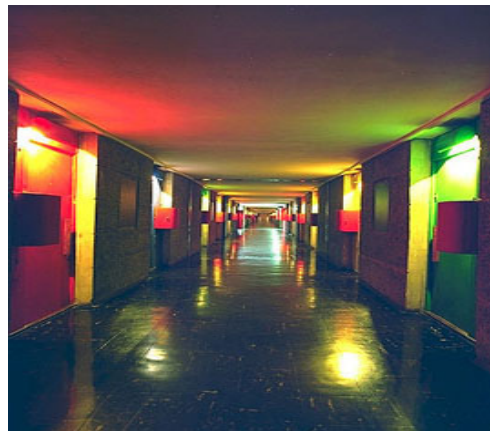


figure 2: hallway

le corbusier used color "to emphasize the nature of walls as planes emphasizing or sometimes subverting the spatial and formal qualities of space and form" (davey, 1994). in adding, color to l'unite's facade "to soften the austerity of the bare concrete" (sbriglio 2004) exterior.



figure 2: east elevation



figure 4: elevators



figure 5: typical living room



figure 6: typical kitchen

intentional color choices extend throughout the space. “splashes of color likewise trigger a sensuous impression, such as the red doors of the three passenger lifts” which “serve as a reminder of the alliance between color and concrete on the building’s facade” (sbriglio, 2004)

by “architecturally camouflaging” the walls in a range of colors, le corbusier could showcase the various planar surfaces, structures and spacial flows (Sbriglio, 2004)

colors used in l’habite:

black	iron grey
pearl grey	whitewash
pale yellow	red brown
clear blue	medium green

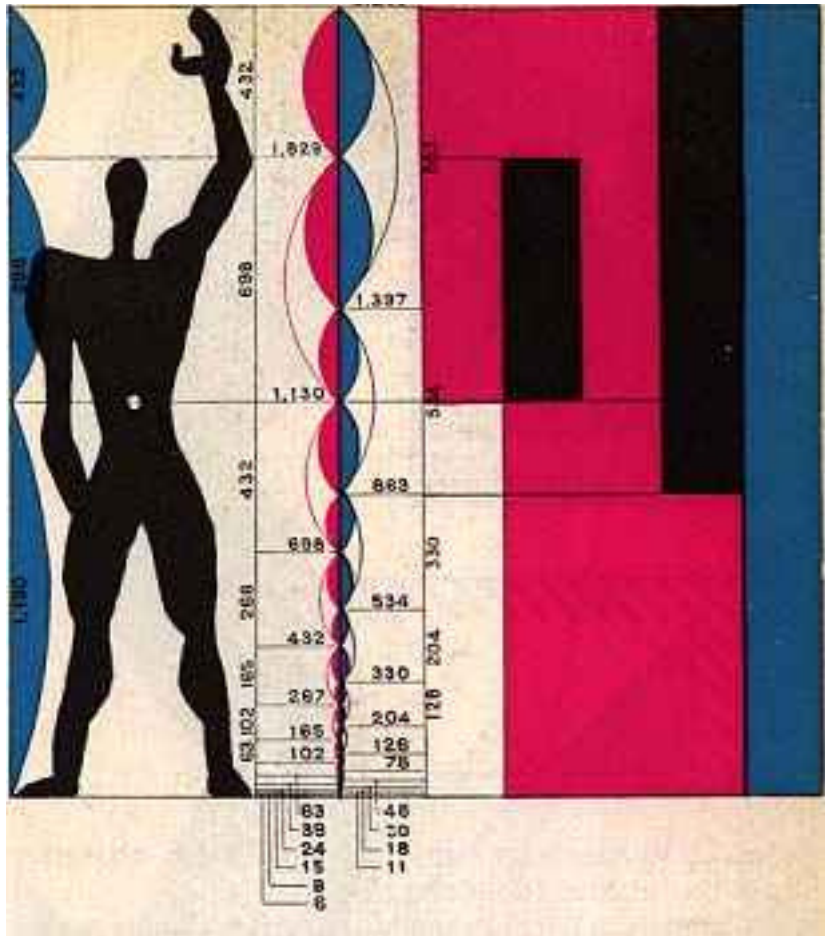


figure 7

le corbuier starts from the human body. it is said that he started working with a scale from the average 175cm frenchman, then remembered that in all english detective novels, good looking men, such as the policemen, are always six feet tall. therefore he worked from 182.88cm (six feet), saying it would be better for the measure to be too large rather than to small. he takes the total height, from the hand of the vertically raised arm to the feet and divides it into two equal parts, at the level of the navel. (<http://www.envf.port.ac.uk/illustration/Z/PER/mo/lc02.htm>)

the regulating lines of the building are set to music by means of the harmonic proportions of the modulator (sbriglio, 2004)

le corbusier's use of regulating lines and his modulator...intended to ensure harmonious relationships (baker, 1996)

le modulator is about nothing more than the defining of a limited set of dimensional measurements for daily use in the practice of architectural design. (ruegg, 1997)



figure 8

proportion
volume
circulation

the beauty of a house...comes from its arrangement of space and proportions (ramroth, 2006)

sketches were of vital importance to the conveyence of the, "volumetric and organizational principles of his idea" (lapunzina, 1997)

le corbusier's is a highly functional approach to the generation of architectural form where each spacial requirement is first reduced 'to the smallest size compatible with perfect functioning' and then organized in a 'flow diagram' with respect to proximity and circulation (wesley, 1982)

le corbusier's three-phase design process consisted of the arrangement of volumes, the determination of the proportions of the surfaces and the generation of the plan and section (wesley, 1982)

in walking the grounds of l'unite d'habitation, "one's view is channelled down onto the play of volumes created by the entrance foyer and the pilotis proving a spatial continuum" (sbriglio, 2004)

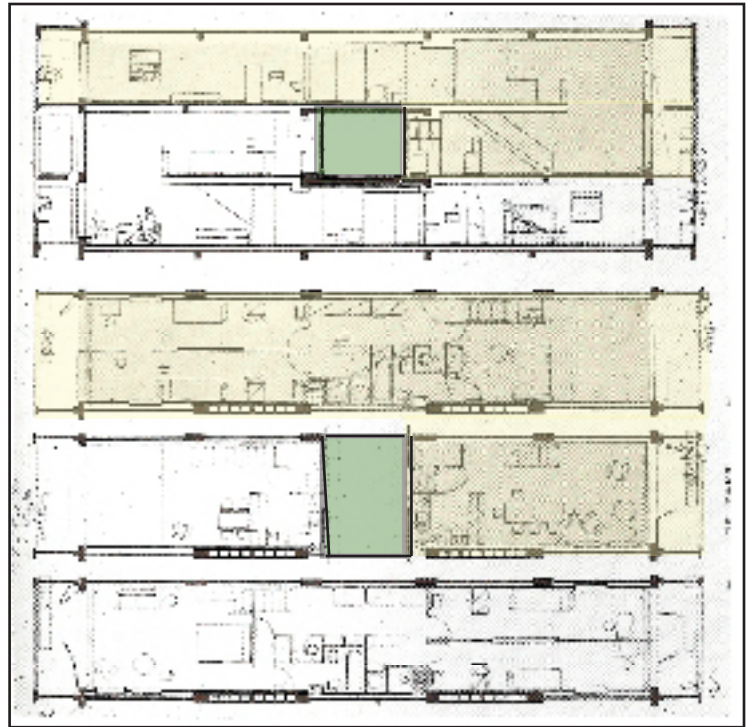


figure 9: section of residential floor

“It is the plan that generates the building....the plan proceeds from within to without....The exterior is the result of an interior.” - le corbusier



upper apartment



interior street

“the unite d’habitation contains twenty-three variations on the basic apartment type, ranging from a studio apartment to a large family apartment” (sbriglio, 2004)

“the main structural topology is based on the...concept of two split level apartments that slot into one another top to toe on either side of an interior street. this structure creates a ‘lower’ apartment and an ‘upper’ apartment accessed via the internal street”(sbriglio, 2004)

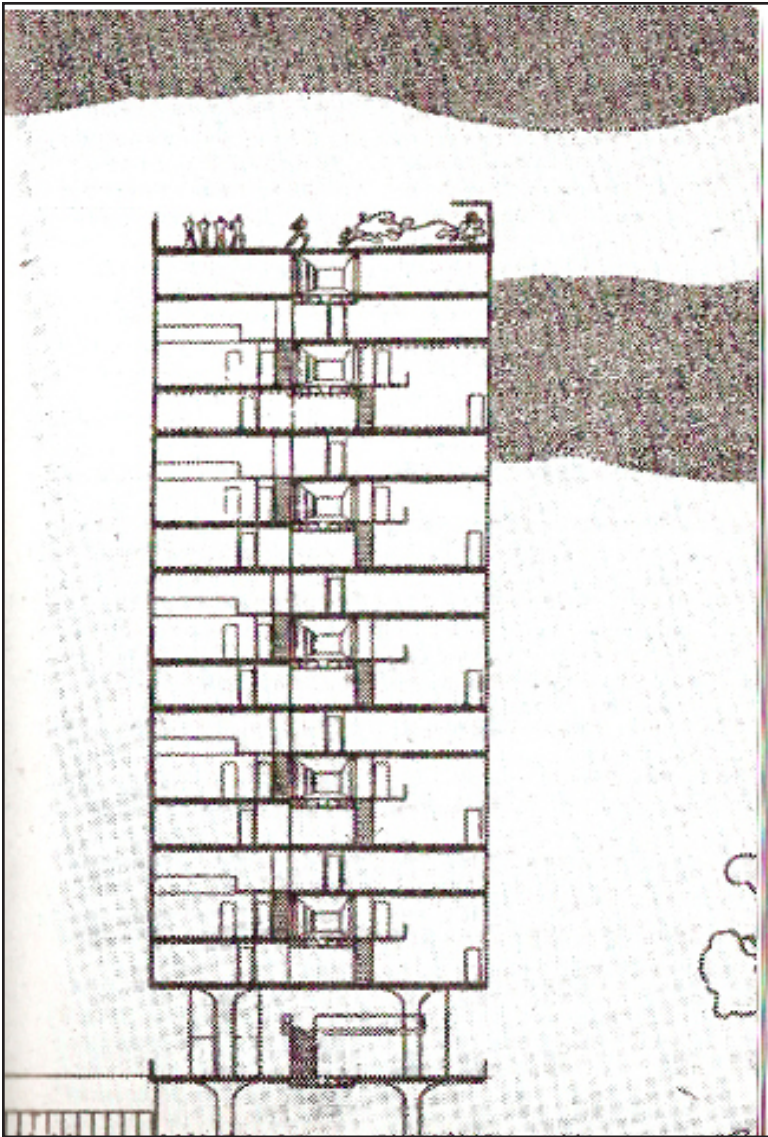


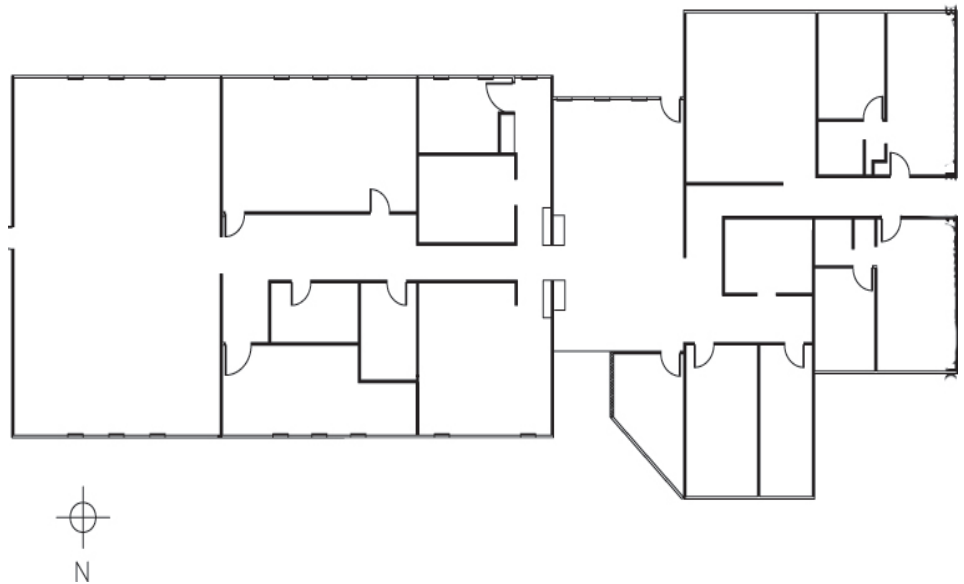
figure 10: elevation of north facade

“if you want to raise your family in seclusion, in silence, and in natural surroundings, place yourselves amongst 2,000 people. take each other’s hand, walk through one and the same door and get in one of four lifts that each has the capacity to carry 20 people. you will enjoy solitude, silence and swift interior-exterior contact. your houses will be fifty metres high...the house will be set in grounds containing children’s play areas as well as distractions for teenagers and adults. the city will be green. and on the roof there will be incredible kindergartens.” (sbriglio, 2004)

program

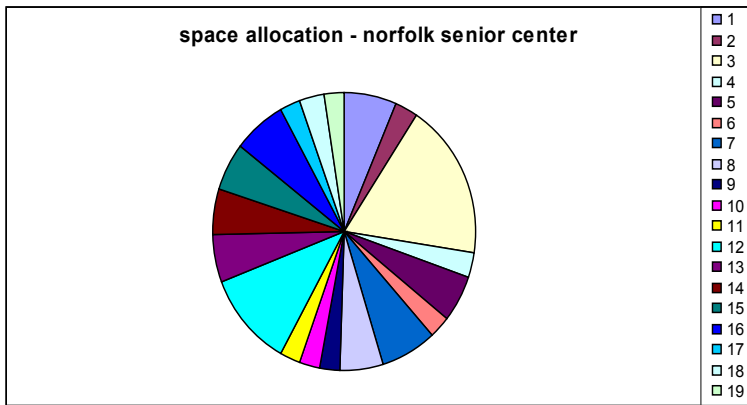
the floorplan

existing east wing, entrance and portion of west wing



newly designed east wing, entrance and portion of west wing





room	sq. footage	% of total space
1. conference room	800	6.28
2. storage	355	2.79
3. social hall	2340	18.37
4. kitchen	354	2.79
5. dance studio	704	5.53
6. library/study	320	2.51
7. meeting room I	887	6.97
8. meeting room II	691	5.43
9. class room I	320	2.51
10. class room II	320	2.51
11. music room	320	2.51
12. dance studio	1385	10.88
13. ceramics studio	704	5.53
14. woodworking studio	691	5.43
15. exercise studio	704	5.53
16. painting studio	800	6.28
17. computer lab	320	2.51
18. massage room	400	3.14
19. performance space	320	2.51
total square footage	12735	

the adjacency matrix

included in this matrix are the necessary adjacencies between spaces, the requirement for natural light and space square footages.

	conference room	social hall	kitchen	exercise	computer	art studio	class room 1	class room 2	class room 3	music room	admin	rest rooms	reception	natl light	sq footage
conference room															350
social hall														Y	950
kitchen														Y	150
exercise														Y	900
computer														N	100
art studio														Y	400
class room 1														Y	150
class room 2														Y	150
class room 3														Y	150
music room														Y	100
admin														Y	700
rest rooms														N	450
reception														Y	300
major															
minor															
not closely related															
not desirable															

22 3 2 1 22

concept development

the models

this model explores the differences in scale between public buildings and one's home. the larger outer box represents public space, which is typically larger in scale. the smaller inner box represents "home" or private space, which is smaller in scale. finally, the detail within the smaller box represents the detailing that is found in private spaces and that is generally lacking in public ones.

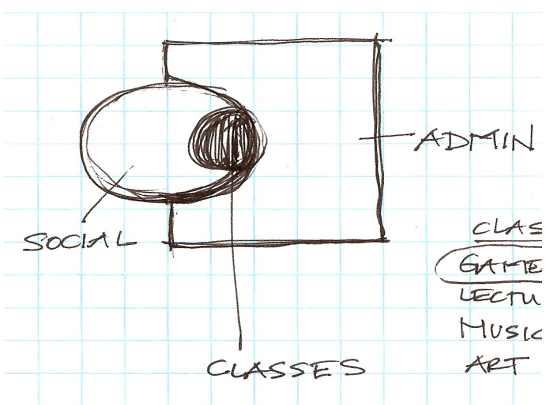
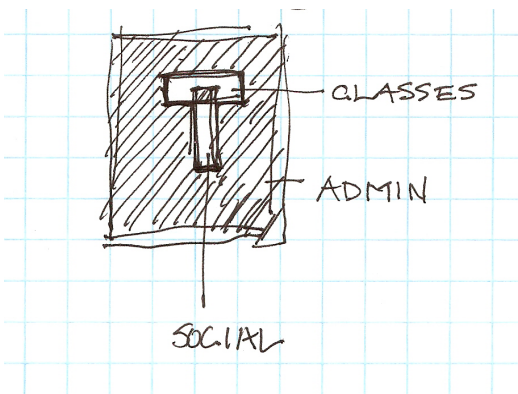
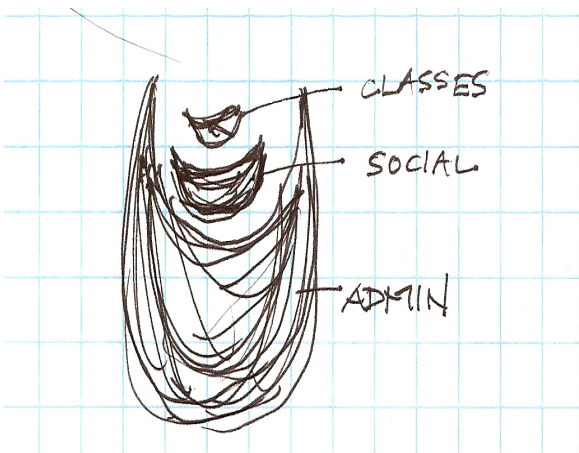
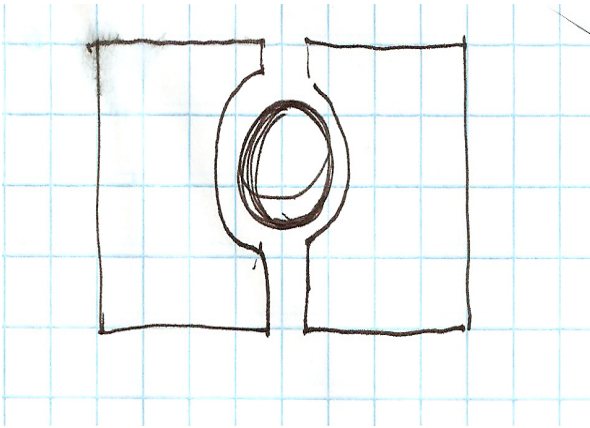


this model illustrates the melding of two disparate concepts: the known and the unknown. here the familiar shape of a circle is extruded into a random "explosion" of edges. it is the central ring which joins the unknown element of the random edges with the known of the circular form.



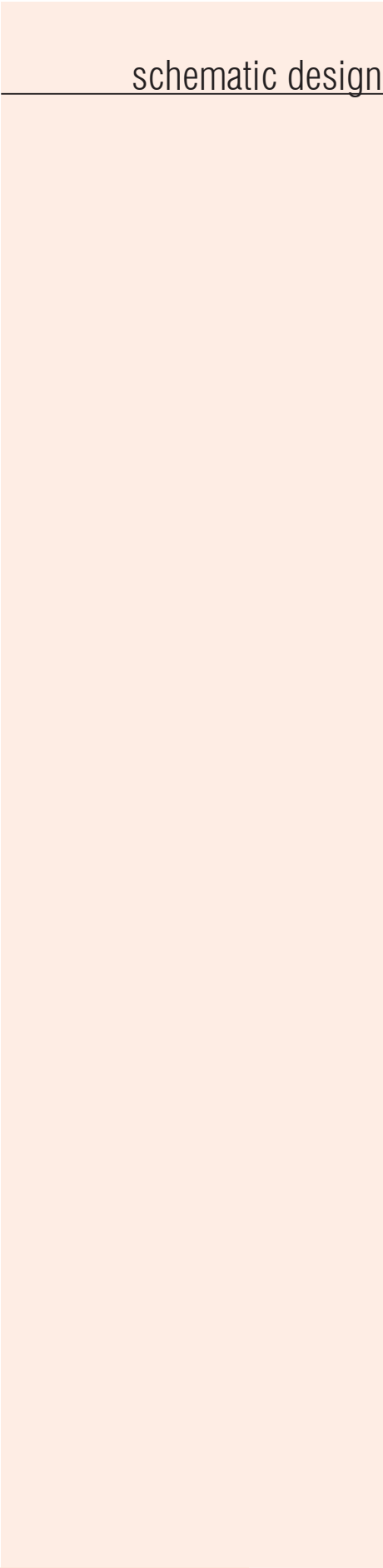
this model investigates a means to make an angular, rough object softer. under the softening layers of the tissue is a cube constructed of hard metal mesh. this model attempts to show how a hard object can be made softer and more welcoming.





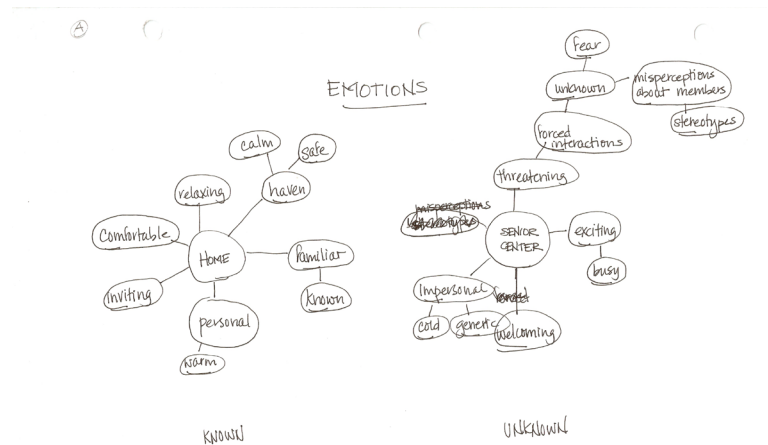
these sketches led to a block planning concept based on the arrangement of the spaces into three functional categories: social, educational, and administrative with an exploration into how each category overlaps and defines the others.

schematic design



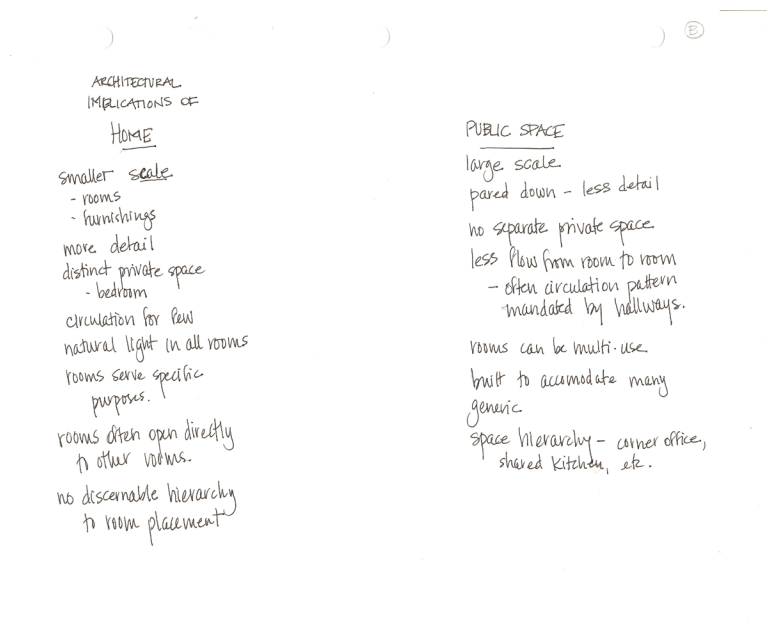
mind mapping

“home” connotes something known, personal and familiar, where “senior center” connotes activity, forced interactions and sterility. In its most rudimentary, this map revealed a dichotomous relationship between the known and the unknown, prompting further exploration of how to rectify the two.



emotional implications of home vs senior center

the most glaring difference illustrated here was that of scale; home being smaller and more intimate. Other differences include the number of users accommodated and the use of hierarchy in the development of the space.



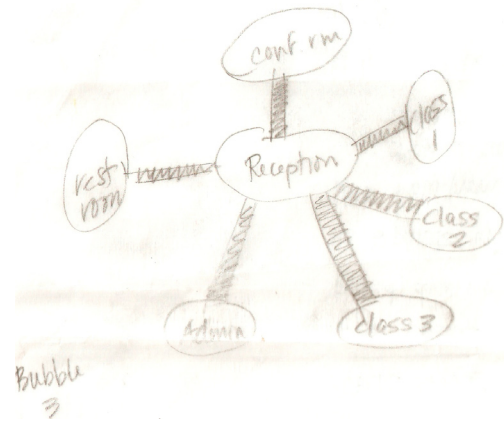
architectural implications of home vs public space

adjacency matrix

adjacency matrix that includes the need for natural lighting as well as preliminary square footage requirements

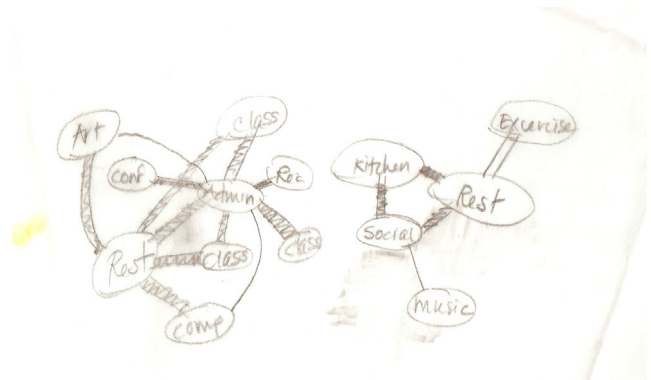
	conference room	social hall	kitchen	exercise	computer	art studio	class room 1	class room 2	class room 3	music room	admin	rest rooms	reception	nat'l light	sq footage
conference room														?	350
social hall														Y	950
kitchen														?	150
exercise														?	900
computer														N	100
art studio														Y	400
class room 1														?	150
class room 2														?	150
class room 3														?	150
music room														?	100
admin														Y	700
rest rooms														N	450
reception														Y	300
major															
minor															
not closely related															
not desirable															

bubble diagrams

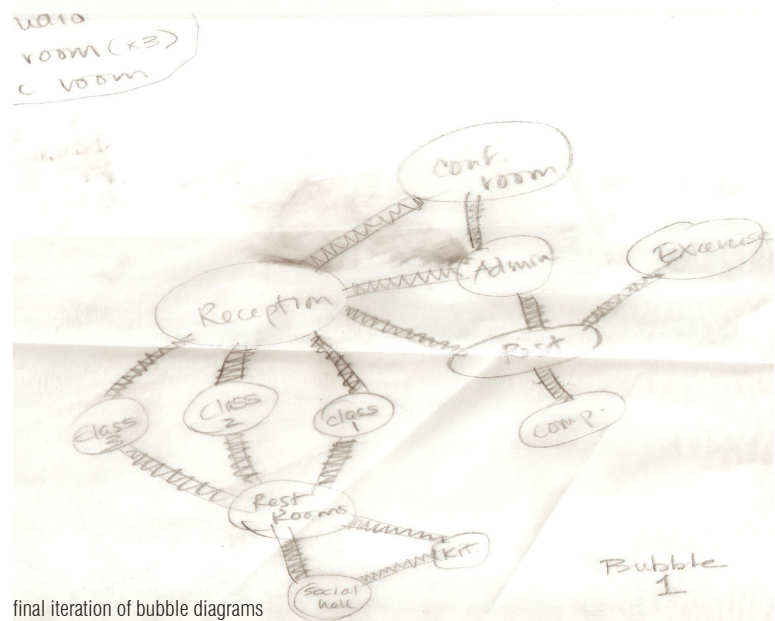


initial bubble diagram based on adjacency matrix

these bubble diagrams began the investigation into logical space planning with the assistance of block diagrams. themes that emerged from these included space allocation based on lighting needs and those based on public vs private requirements.



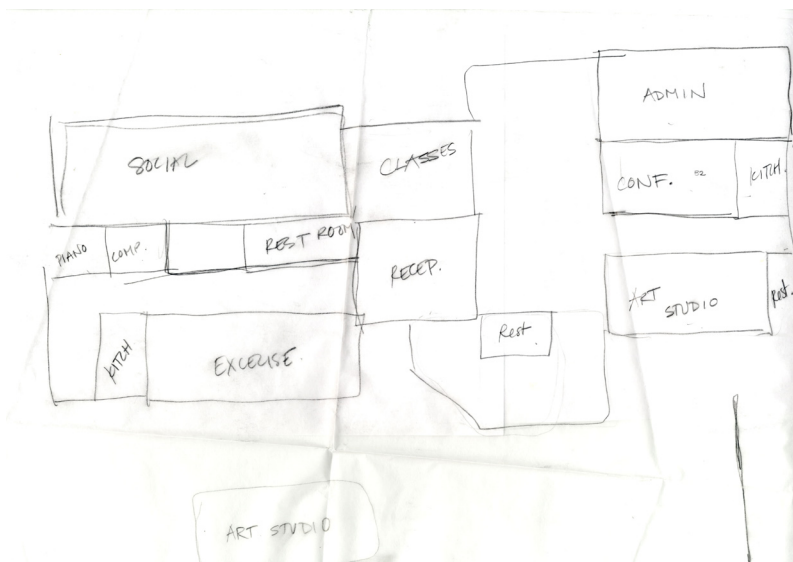
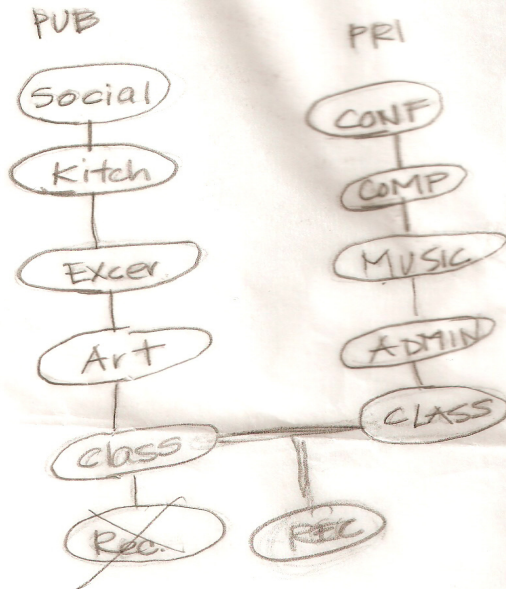
third bubble diagram



final iteration of bubble diagrams

block diagrams

output of the bubble diagrams lead to an exploration of public vs private spaces. after a quick review of the output, it was determined that using this as an organizing method was too limited and did not warrant block planning.

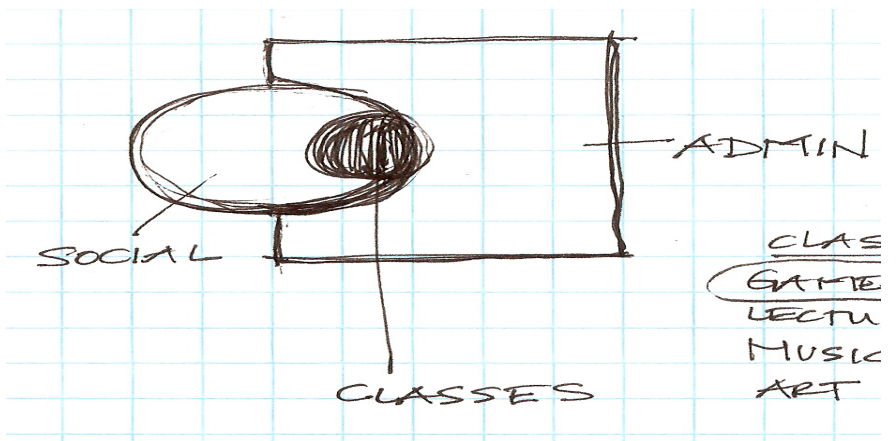
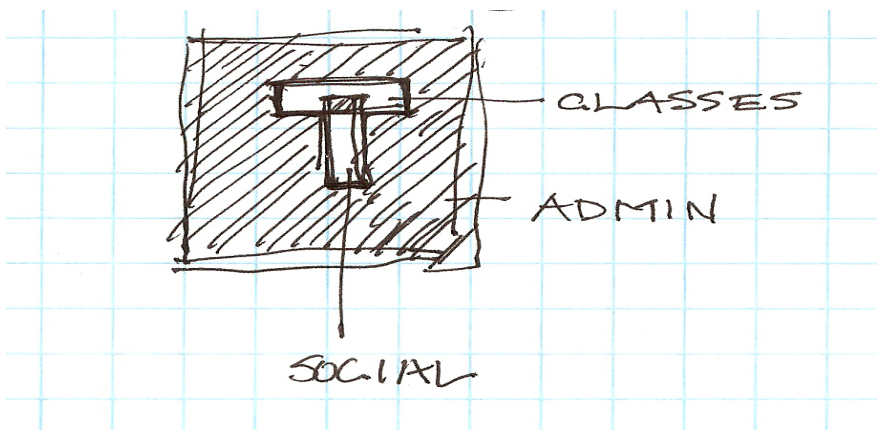
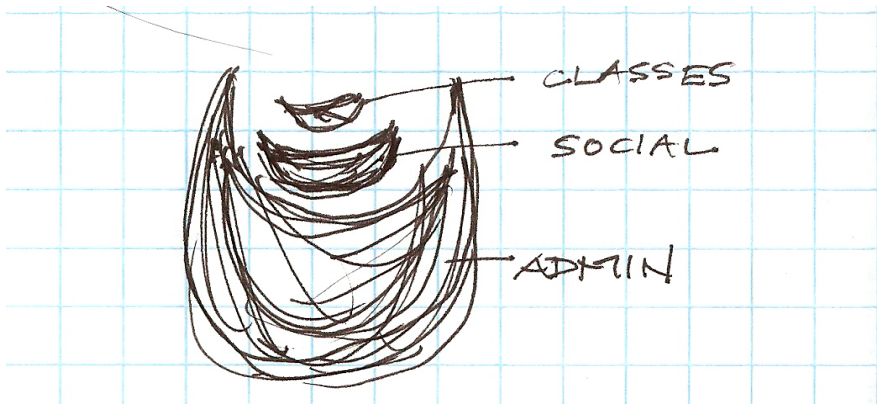
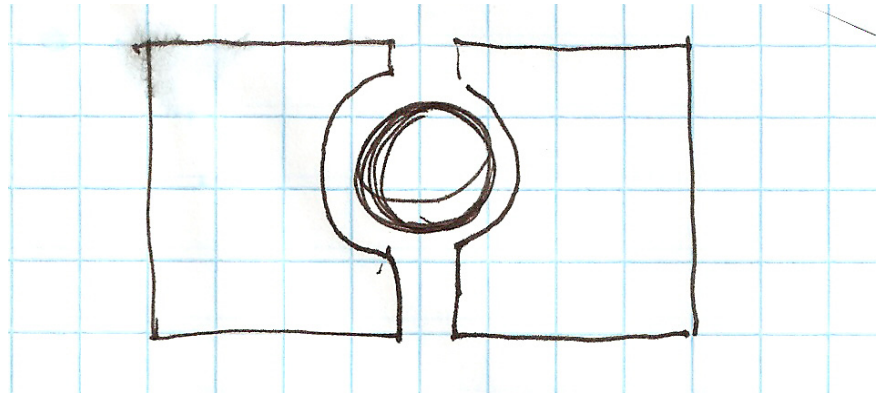


the bubble diagrams illustrated a need to investigate a layout based on lighting needs. this, however, did not fully explore the complexities of the space or address the needs of the adjacency matrix, thus indicating that more investigation was needed.

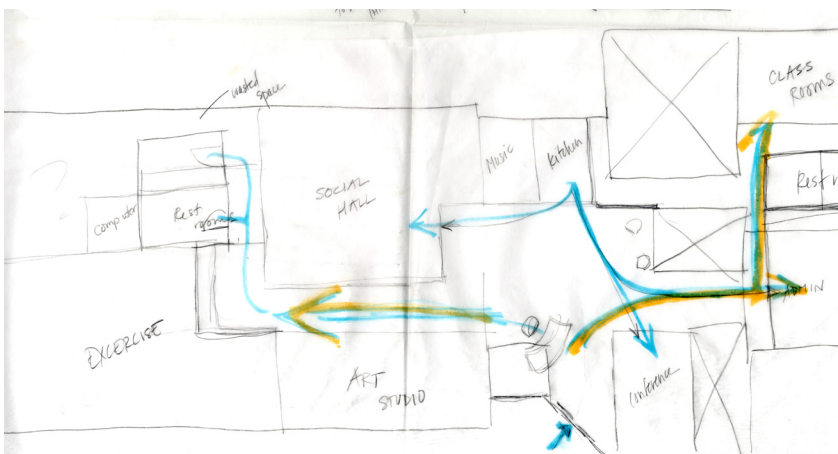
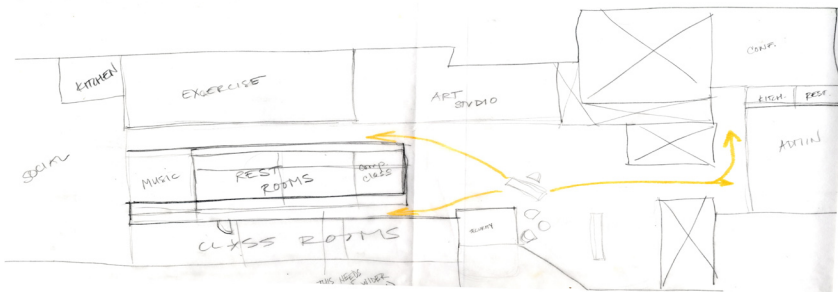
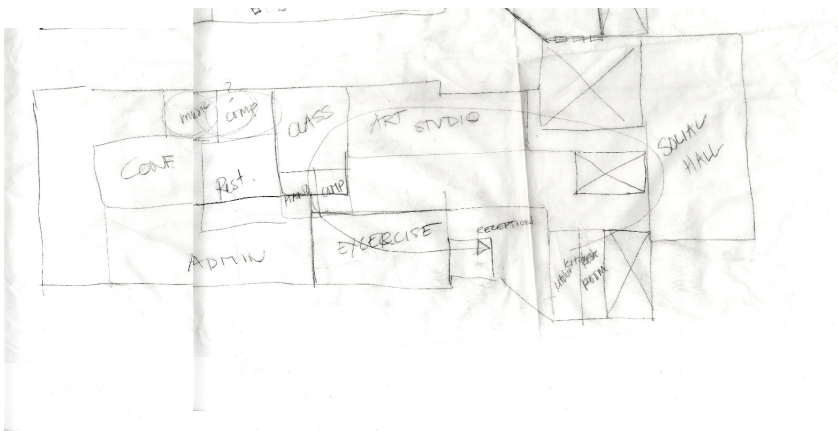
block diagrams

a return to more fundamental development prompted additional brainstorming and ideation.

this then led to a block planning concept based on the arrangement of the spaces into three functional categories.



block diagrams



social
social hall
exercise
kitchen
reception
art studio

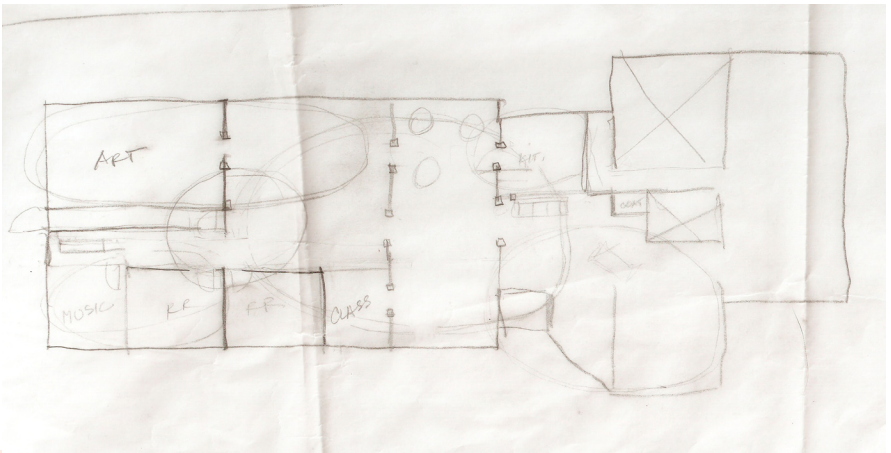
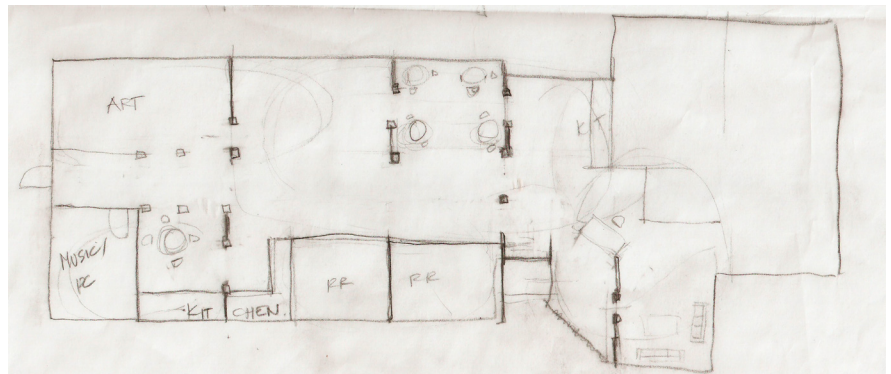
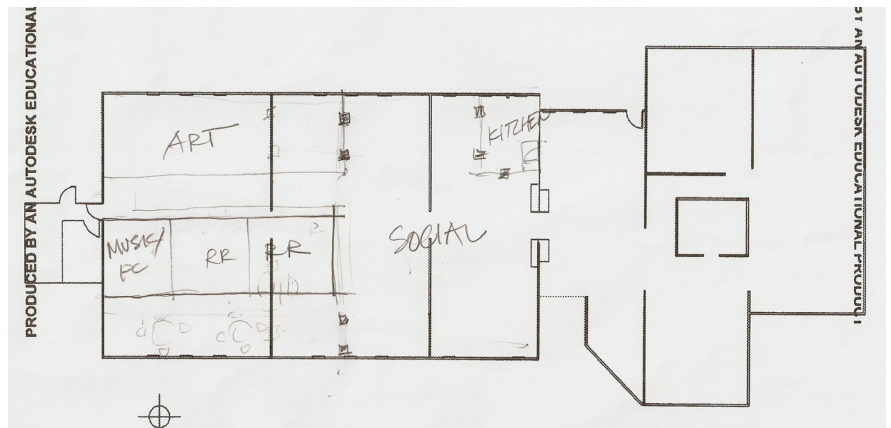
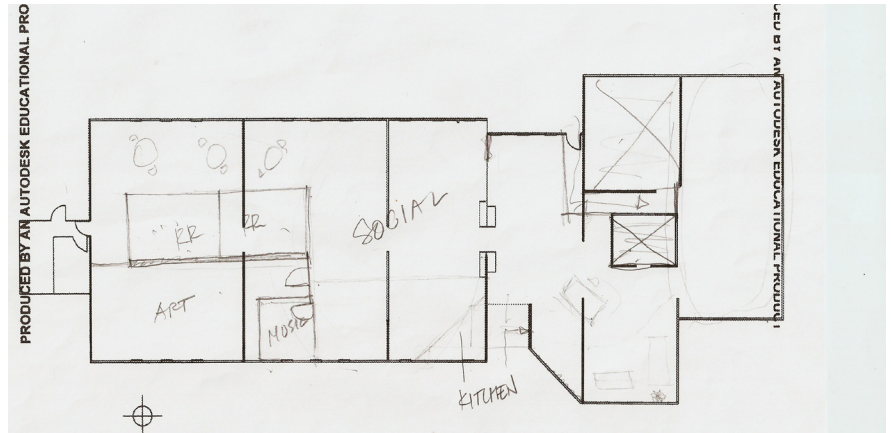
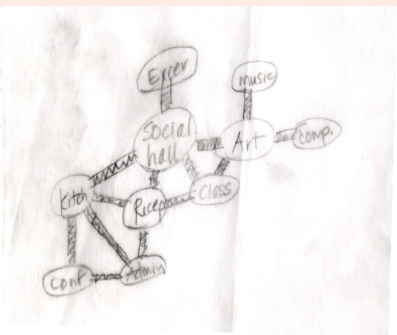
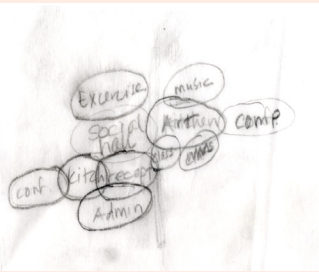
administrative
conference room
kitchen
administration
reception

classes
computer class
exercise
art studio
music room
class rooms

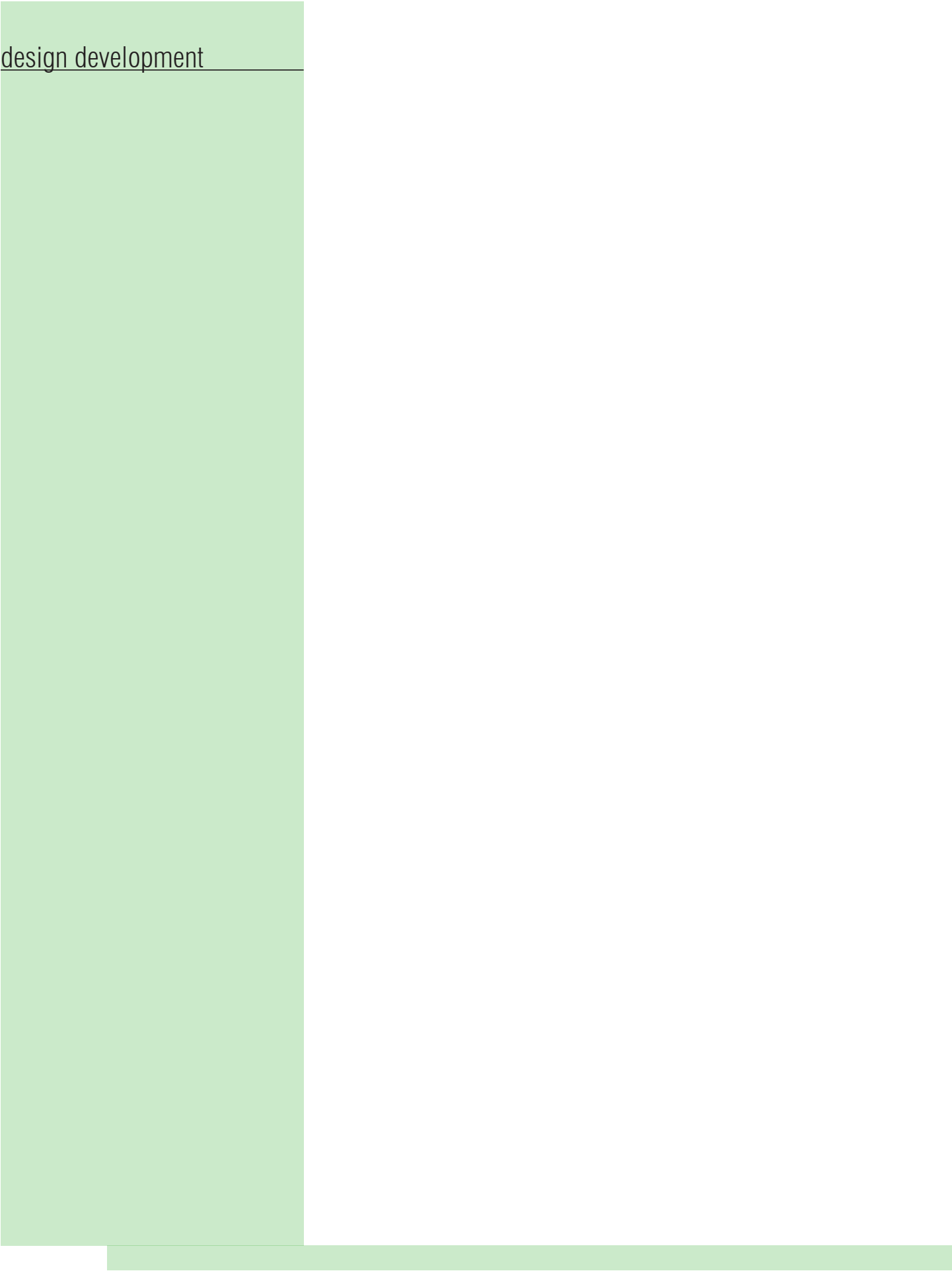
block diagrams

in exploring these plans a final means for defining the space developed. this space allocation method was based on connections between the spaces. some spaces required only one connection to it, where others required or facilitated as many as five. this listing illustrated the importance of the social area to the structure of the center's space.

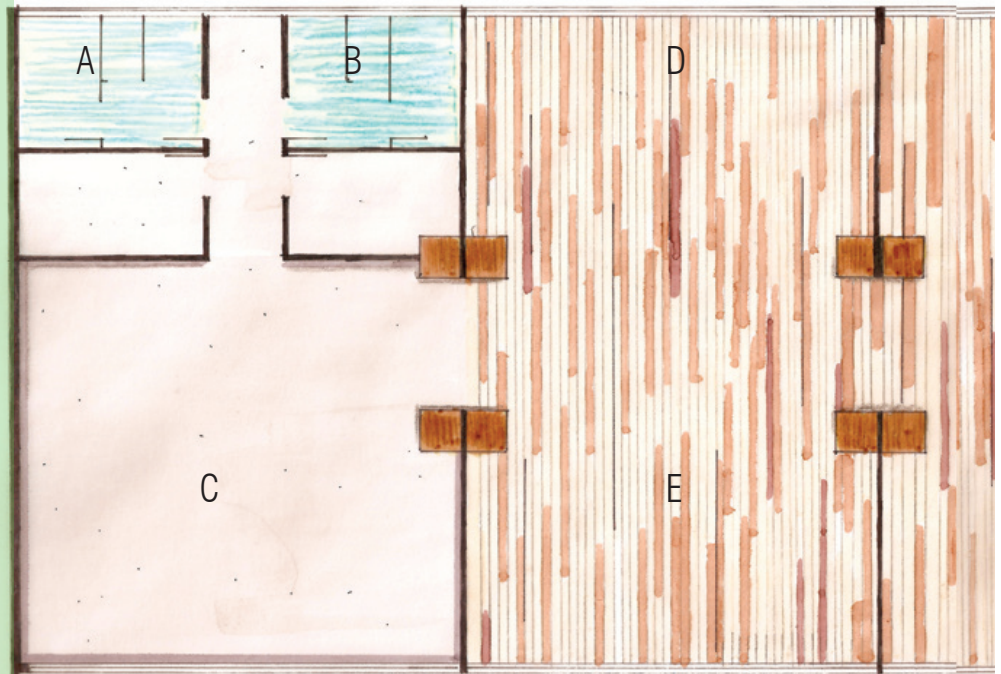
- 1 connection - exercise
music class
computer class
- 2 connections- art studio
conference room
- 3 connections- administration
class rooms
- 4 connections- reception area
kitchen
- 5 connections- social hall



design development

A large green L-shaped graphic element is positioned on the left side of the page. It consists of a vertical bar and a horizontal bar that meet at a right angle. The vertical bar is on the left, and the horizontal bar extends to the right from its base. The text 'design development' is located at the top of the vertical bar.

floorplan



A Restroom - Men
B Restroom - Women
C Lounge
D Performance Area
E Library
F Cafe
G Art Studio

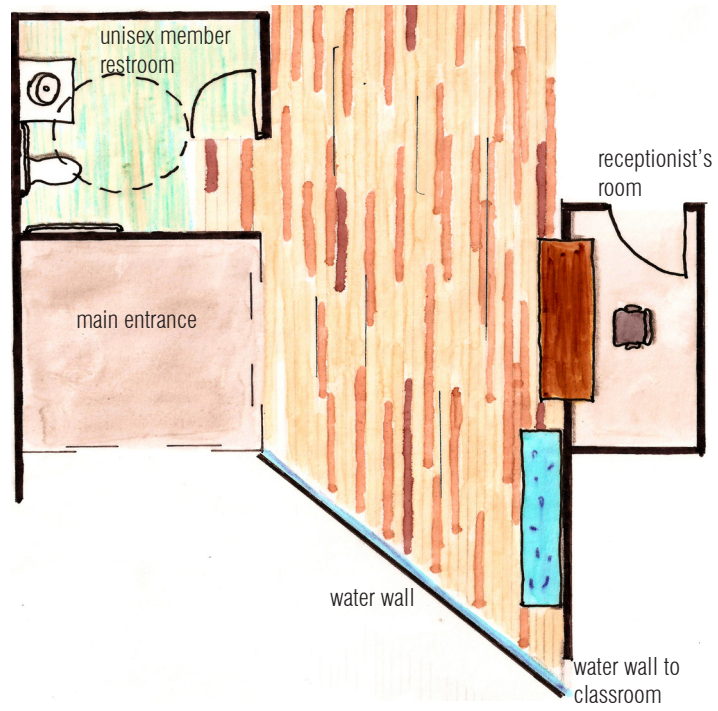
H Kitchen
I Restroom - Unisex
J Entrance
K Reception Area
L Class Room
M Music Room
N Restroom - Staff



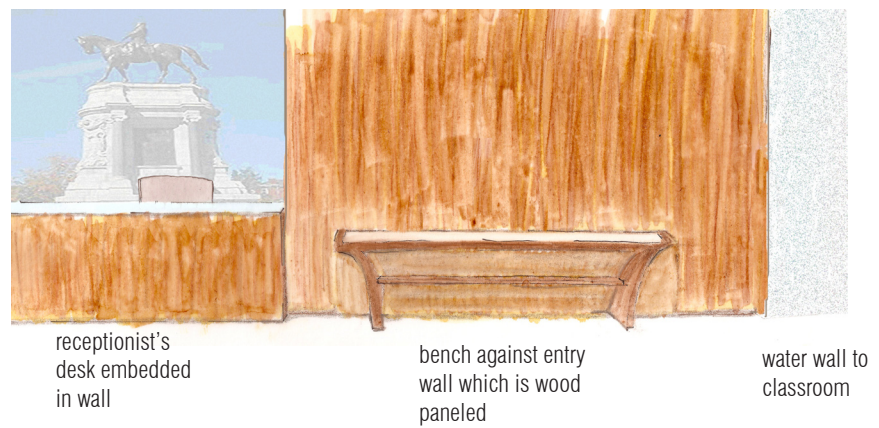
- O Conference Room
- P Staff Office
- Q Staff Office
- R Director's Office

reception area

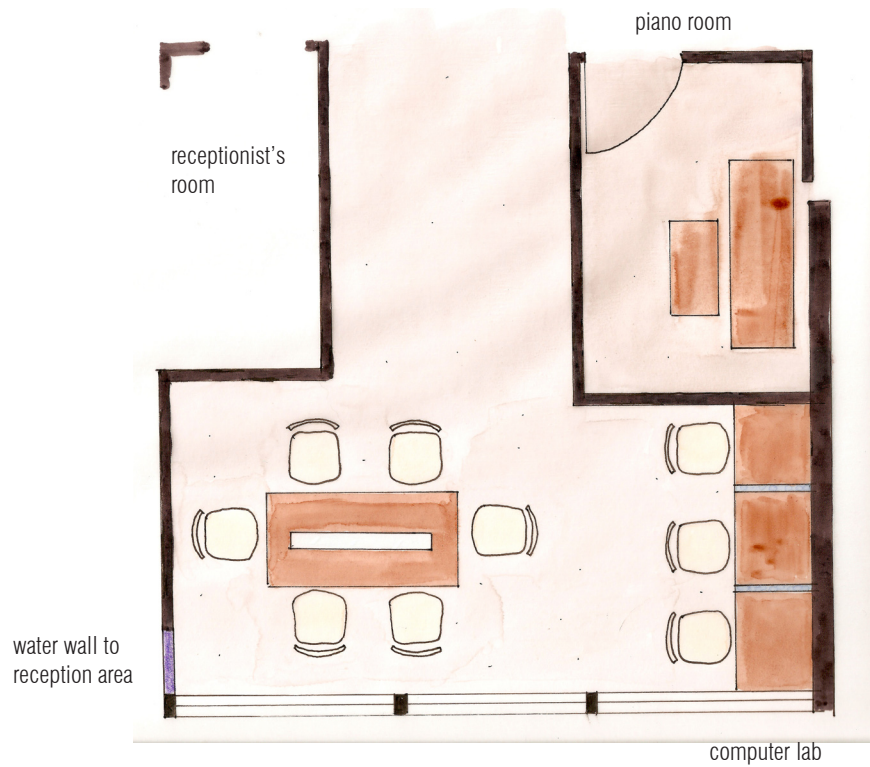
Reception Area
Floor Plan



Reception Area
Perspective



class room



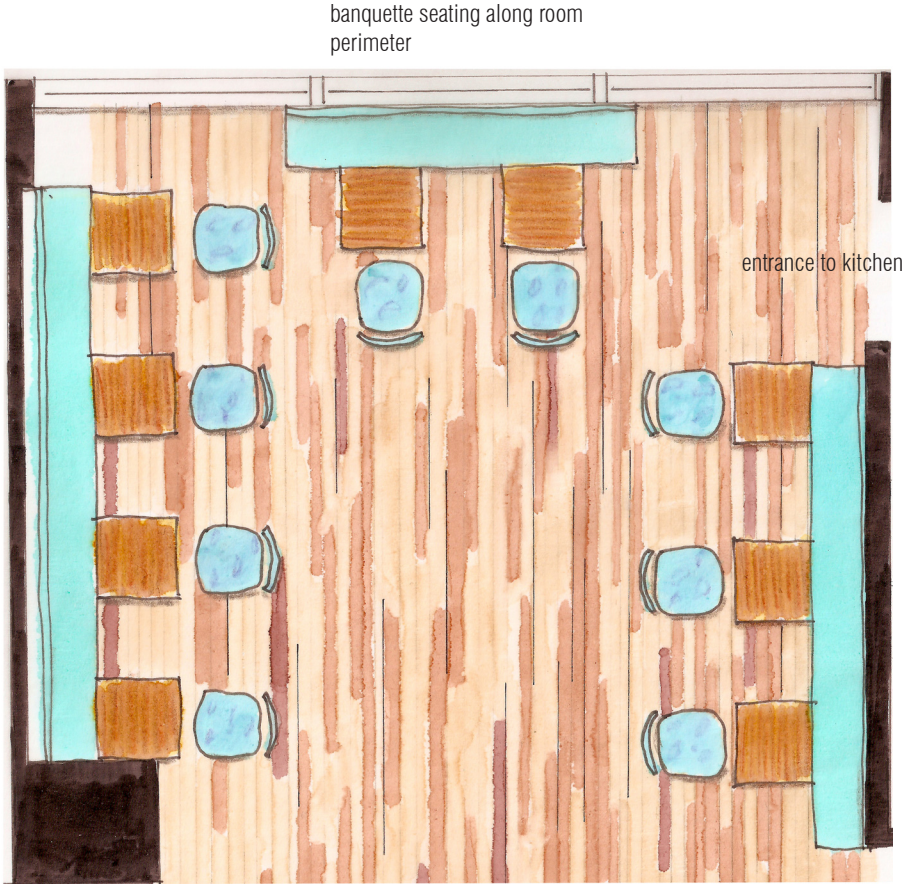
class room
floor plan



class room
perspective

cafe

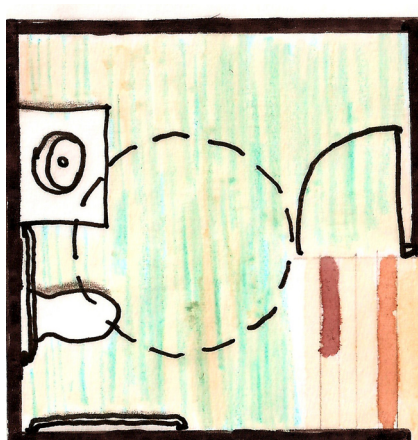
cafe
floor plan



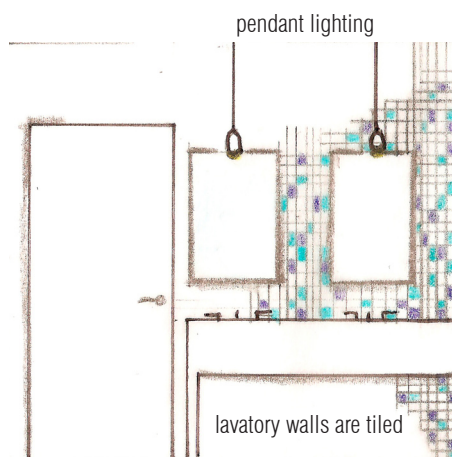
cafe
perspective



restrooms



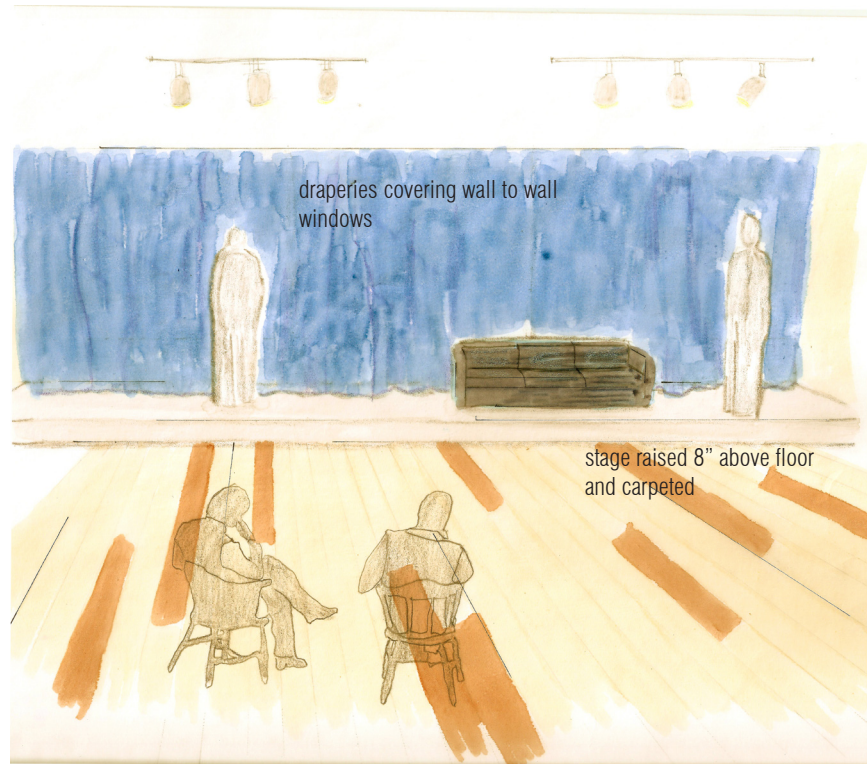
restroom
floor plan



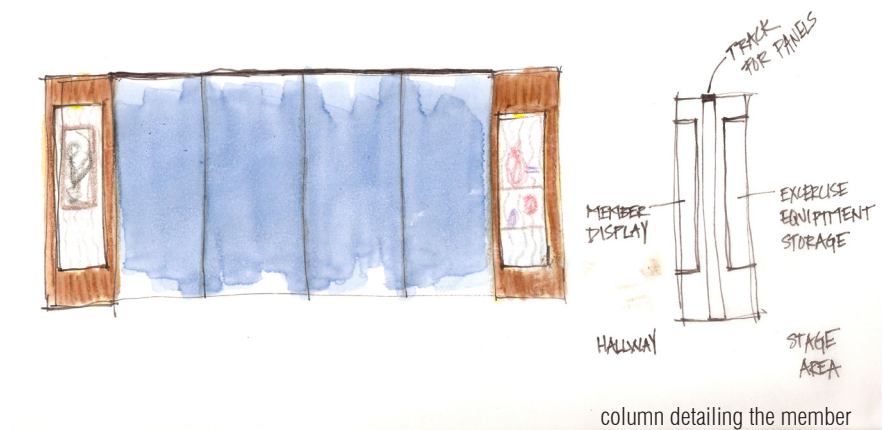
restroom
elevation

performance area

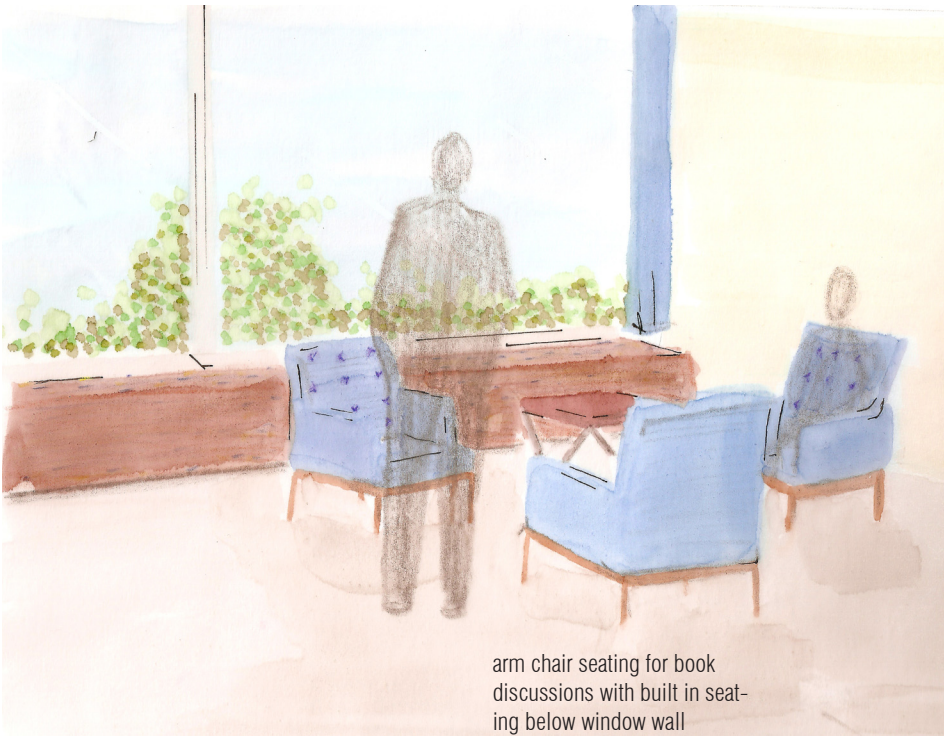
performance area
perspective



performance area
elevation/section of curtain closing stage area



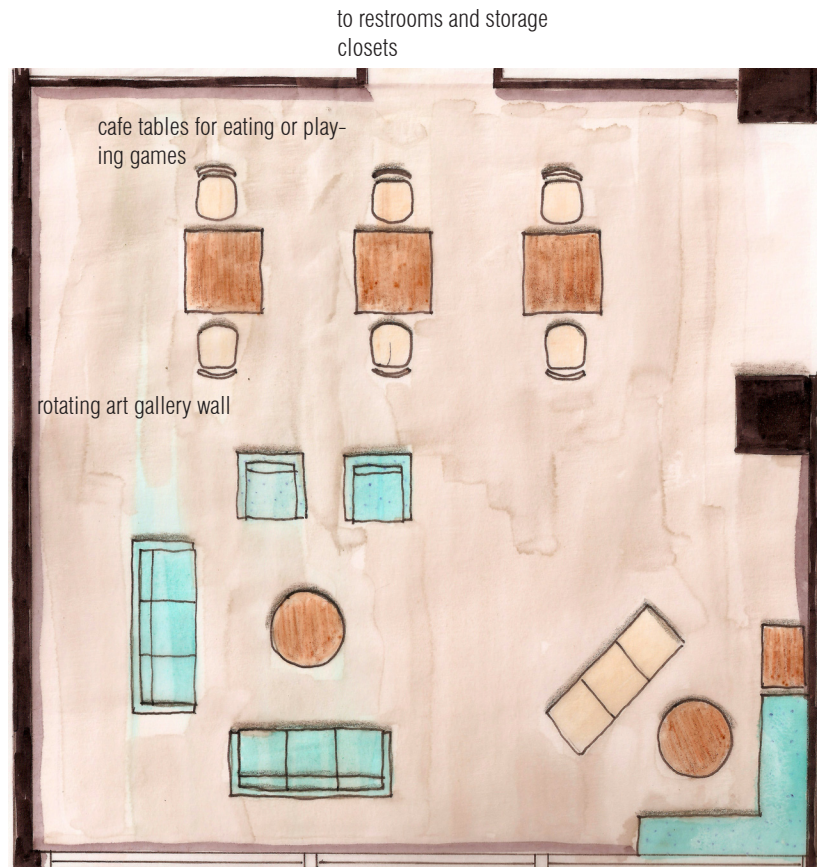
column detailing the member display area facing the hallway, the storage facility facing the inner rooms and the track panels which can be closed for room privacy.



arm chair seating for book
discussions with built in seat-
ing below window wall

lounge

lounge
floor plan










lounge
perspective












materials schedule

Reception Area

Room	Item	Manufacturer	Finish/Fabric/Color
Reception Area	 Desk and Wood Paneling	Wilsonart Laminate	7923-07 Versailles Anigre
	 Bench	RCD	Satsuma Bench Arc Com: Charisma Plush/ Oatmeal #1
	 Glass-water feature	Lumicor	Elements-Aquamarine
	 Sconces	www.lightinguniverse.com	POR-8855 Limoges
Class room	 Class room Table	www.jazzyexpo.com	Parisian Conference Table- CP-80
	 Seating	www.jazzyexpo.com	Executive Leather Chair- HIT8
	 Carpet	Armstrong	Elements: Thunder

Café					
	Tables	www.restaurant-bar-furniture.com	Beechwood Dining Table (EU-356650A)		cafe
	Chairs	Beaufurn	Side Chair SA-300		
	Recessed light fixtures	www.lightinguniverse.com	Adagio 60-R		
	Chair fabric	Brentano	Perennial/Bluebell 2003-04		
	Built in seating fabric	Brentano	Satin/Summer Sky 3900-03		
	Drapery fabric	Creation Baumann	Scott/172		
	Sliding panels	Blinds Galore	Bali Sliding panels		

Restrooms

Restrooms



Wall tile

Vidrepur

Nieblas Collection Recycled Glass Tile
Mesh Backed Sheet in Fog
Turquoise Blue - (VID-36957)



Flooring

Amtico

Satin Tick A9939

Performance Area

Performance Area



Drapery fabric

Creation Baumann

Chamois/121



Flooring

Armstrong

Oak Fancy



Lighting

www.lightinguniverse.com

TK-5VTX3 - Vortex

Library

Library



Seating

Martin Brattrud

St. Germain



Side tables

HBF

Bias



Seating Fabric

Design Tex

Wool Suede Too/Ink (2435-401)



Built in Fabric

Brentano

Straw mat/Fog (2575-08)



Drapery Fabric

Creation Baumann

Chamois/121

Lounge



Tables

www.restaurant-bar-furniture.com

Beechwood Dining Table
(EU-356650A)



Game chairs

Beaufurn

Armchair SA-325



Lounge seating

LilyJack

Cameo Back Lounge Chair
(B3630)



Sofas

Martin Brattrud

Edinburgh



Occasional

HBF

Catalina table



Lighting above
seating

www.lightinguniverse.com

PS9510 - Forma Drum



Pendants above
tables

www.lightinguniverse.com

LF5490 - Drop Pendant



Lighting

www.lightinguniverse.com

TK-5VTX3 - Vortex

Café seating
fabric

Arc Com

Charisma Plush/Oatmeal
#1 (AC-66410)

Sofa fabric

Beacon Hill Contract

Cotton Solid/Atmosphere



Lounge chair
fabric

Design Tex

Serenity Plus/Jade (2543-401)



Drapery fabric

Creation Baumann

Switch/103

Lounge

section 2:

photo credits

john ciardullo

- Figure 1 <http://jca-architecture.com/ourpeople/jciardullo>
Figures 2-11 Kinser Hohle, M. (2004). John Ciardullo Associates: Architecture and Society. New York, NY: Edizioni Press.

the caring community, new york, ny

- Figure 1 <http://www.fpcnyc.org/index.html>
Figure 2 http://www.startsandfits.com/hardenbergh/images/icon_washington.jpg
Figure 3 <http://www.forgotten-ny.com/LAMPS/Market/prebeca.html>
Figure 4 http://www.gvshp.org/south_village224.htm

l'unite d'habitation, marseilles, france

- Figure 1 Sbriglio, J. (2004). Le Corbusier: The Unite d'Habitation in Marseilles. Basel: Birkhauser Publishers.
Figures 2-6 www.flickr.com
Figures 7-8 www.wikipedia.com
Figure 9-10 Sbriglio

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