

#### Math Fair 2004

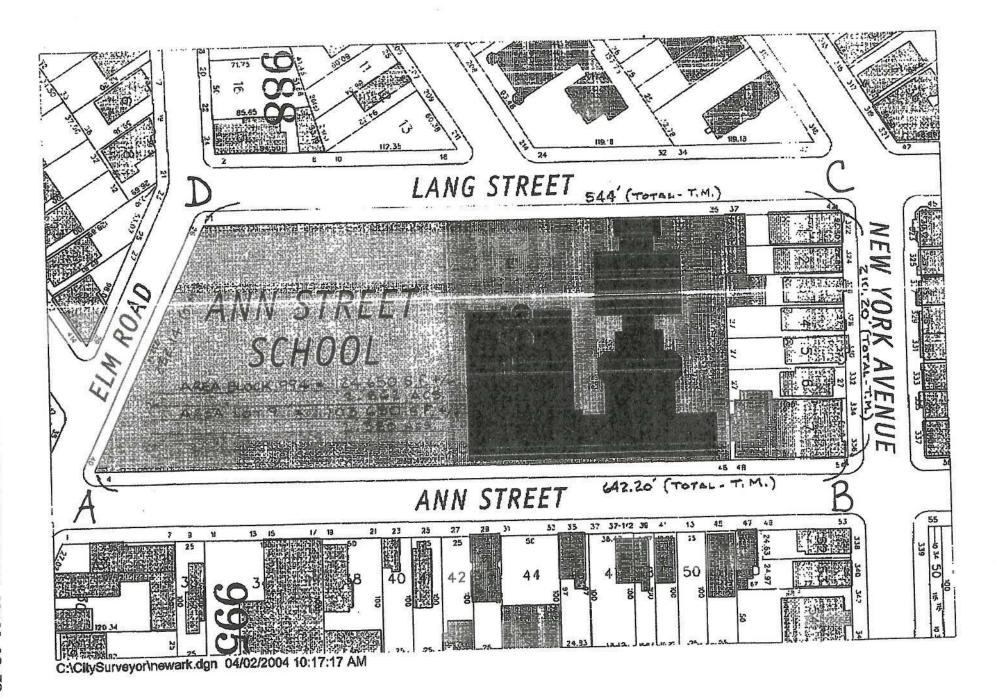
### I: Inspiration, Imagination, Invention

For a few years here at Ann Street School we have been hearing about plans to construct a new building. Reflecting on this year's math theme: "I": Inspiration, Imagination, and Invention, we gathered ideas to develop a project that would fit the criteria, and be worthy to enter this competition.

We were greatly inspired by the talk of the future plans. At School Management Team Meetings the issue was discussed, and this was an influence that played a strong role in planning the project. As we saw drawings and heard about the future plans, we found the desire to have a visual representation to end our community's curiosity regarding the plans. Therefore, we decided to make a 3-D model of the new school plan to scale.

Considering that all we had were the preliminary drawings from the school architect to begin with, our creative abilities were certainly called for to picture what the new building would look like. Using our imagination, we used a 2-dimensional blueprint to create a 3-dimensional display.

As these ideas came about, we began thinking of how to make the first model of the future building. First, we called the East Ward Councilman, Augusto Amador's office to help us with a survey map of Ann Street School and the surrounding block. (See Attached). Next, we decided on the size of the model. We built it so that 1-inch represented approximately 14 feet. In order to draw the floor plan and model of the building, we used the following math skills: Division, Multiplication, Simple Addition and Subtraction, Squares, Ratios, Proportions, Scale Models, Volumes of Solids, Surface Area, Perimeter, and the Pythagorean Theorem.



# Math for Math Fair Project Dimensions of School Area

# **Street Blocks**

Street	Survey Map	Model
Ann Street	A-B: 642.2'	47"
New York Avenue	B-C: 210.2'	16"
Lang Street	C-D: 544'	39"
Elm Road	A-D: 232.14'	17"

### Math Work

We knew the actual (Survey Map) dimensions of the Street Blocks, by using this information, we solved for the scale of the whole project.

Side A-B:

 $642.2' \div 47" = 13.7" \approx 14".$ 

Side B-C:

 $210.2' \div 16" = 13.1" \approx 14"$ .

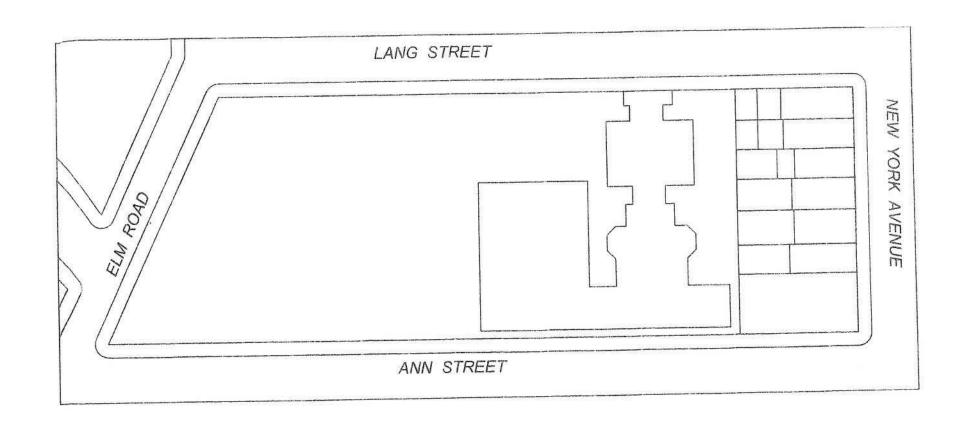
Side C-D:

544'÷39" = 13.9" ≈ 14".

Side A-D:

 $232.14' \div 17" = 13.7" \approx 14"$ .

Our model is scaled to 1"  $\approx$  14'.



# Math for the Math Fair Project

The scale for the old building is: 1":82.01'. After measuring, I found the ratio:

210.20'÷2.563" = 82.0132'÷1"

x =value measured in inches.

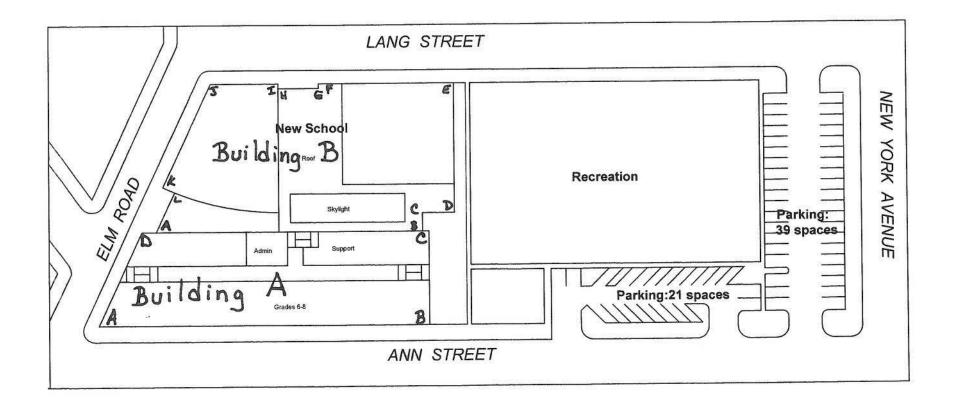
 $x \times 82.01 = value entered in AutoCAD.$ 

The survey map drawing is different from the architects' drawing in size. The details of the new school were multiplied by 1.02 as a result of a slight difference between the two drawings.

The new school was rescaled with the ratio 1':12" so the dimensions are in inches.

12"×82.01'= 984.12"

The scale for the new building should be 1":984.12".



# **Building A**

Side	Survey Map	Model
Side A-B	276.5'	19 3/4"
Side B-C	77'	5 1/2"
Side C-D	238'	17"
Side A-D	84'	6"

## Math Work

Using the architects' drawings, we created our own AutoCad drawing to match our scale of the whole project

We measured the Model sides of Building A. Then we set up a proportion:

Our model is scaled to 1"  $\approx$  14'.

Side A-B: 
$$\frac{19 \ 3/4"}{x'} = \frac{1"}{14'}$$
  
 $x = 276 \ 1/2'$ 

Side B-C: 
$$\frac{5 \frac{1}{2}"}{x'} = \frac{1"}{14'}$$
  
  $x = 77'$ 

Side C-D: 
$$\frac{17"}{x'} = \frac{1"}{14'}$$
  
  $x = 238'$ 

Side A-D: 
$$\frac{6"}{x'} = \frac{1"}{14'}$$
  
 $x = 84'$ 

# **Building B**

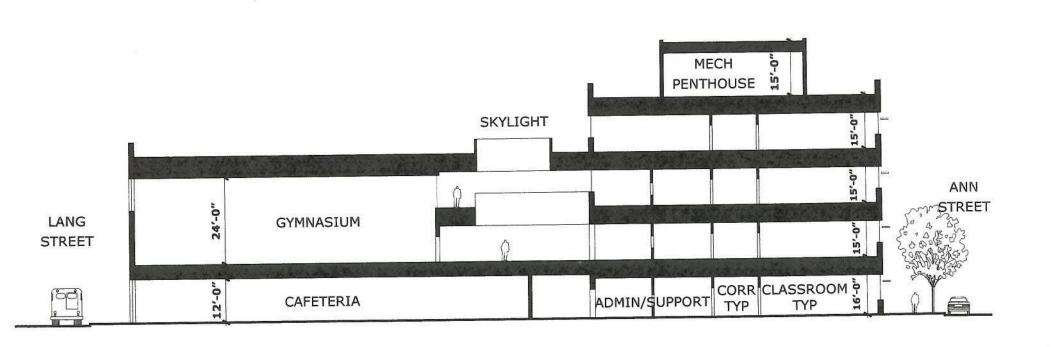
	8	
Side	Survey Map	Model
Side A-B	238'	17"
Side B-C	14'	1"
Side C-D	22 3/4'	1 5/8"
Side D-E	105'	7 1/2"
Side E-F	110 1/4'	7 7/8"
Side F-G	3 1/2'	1/4"
Side G-H	36 3/4'	2 5/8"
Side H-I	3 1/2'	1/4"
Side I-J	54 1/4'	3 7/8"
Side J-K	98'	7"
Side K-L	12 1/4'	7/8"
Side A-L	29 3/4'	2 1/8"

## Math Work

We measured the Model sides of Building B. Then we set up a proportion:

### Our model is scaled to 1" $\approx$ 14'.

Side A-B: $\frac{17"}{x'} = \frac{1"}{14'}$ x = 238'	Side F-G: $\frac{1/4"}{x'} = \frac{1"}{14'}$ $x = 3 \frac{1}{2}$	Side K-L: $\frac{7/8"}{x'} = \frac{1"}{14'}$ $x = 12 \frac{1}{4'}$
Side B-C: $\frac{1"}{x'} = \frac{1"}{14'}$ x = 238'	SideG-H: $\frac{2 \cdot 5/8"}{x'} = \frac{1"}{14'}$ $x = 36 \cdot 3/4'$	Side A-L: $\frac{2 \cdot 1/8"}{x'} = \frac{1"}{14'}$ $x = 29 \cdot 3/4'$
Side C-D: $\frac{15/8"}{x'} = \frac{1"}{14'}$ x = 223/4'	Side H-I: $\frac{1/4"}{x'} = \frac{1"}{14'}$ $x = 3 \frac{1}{2}$	
Side D-E: $\frac{7 \cdot 1/2"}{x'} = \frac{1"}{14'}$ x = 105'	Side I-J: $\frac{3 7/8"}{x'} = \frac{1"}{14'}$ x = 54 1/4'	
Side E-F: $\frac{7 \cdot 7/8"}{x'} = \frac{1"}{14'}$ $x = 110 \cdot 1/4'$	Side J-K: $\frac{7''}{x'} = \frac{1''}{14'}$ x = 98'	



# Heights

## **Heights of Floors**

Floor	Survey Map	Model	
First Floor	1.9 cm	2 3/16"	
Second Floor	3.4 cm	3 7/8"	
Third Floor	4.8 cm	5 1/2"	
Fourth Floor	6.3 cm	7 1/4"	

### Math Work

Using the architects' Building Section drawing, we calculated that the scale is 1 cm = 16 feet. We measured the heights of each floor and converted the measurements to our scale model

Architects' floor height is scaled to 1cm  $\approx$  16'.

Then we had to use the proportion:

Our model is scaled to  $1'' \approx 14'$ .

First Floor: 
$$1.9 \text{ cm} = \frac{1 \text{ cm}}{x}$$
 Third Floor:  $\frac{4.8 \text{ cm}}{x} = \frac{1 \text{ cm}}{x}$   $\frac{16'}{x} = 30.4'$   $\frac{x''}{x} = \frac{1''}{30.4'}$   $\frac{14'}{x} = 23/16''$   $\frac{x''}{x} = \frac{1}{2}$  Fourth Floor:  $\frac{6.3 \text{ cm}}{x} = \frac{1 \text{ cm}}{16'}$   $\frac{x}{x} = 100.8'$   $\frac{x''}{x} = \frac{1''}{30.4'}$   $\frac{14'}{x} = \frac{1}{30.4'}$   $\frac{x''}{x} = \frac{1}{30.4'}$   $\frac{x''}{x} = \frac{1}{30.4'}$   $\frac{x''}{x} = \frac{1}{300.8'}$   $\frac{x''}{x} = \frac{1}{300.8'}$ 

# Height of Windows

Windows	Survey Map	Model
First Floor Window	0.5 cm	9/16"
Second Floor Window	0.5 cm	9/16"
Third Floor Window	0.5 cm	9/16"
Fourth Floor Window	0.5 cm	9/16"

### Math Work

Using the architects' Building Section drawing, we calculated that the scale is 1 cm = 16 feet. We measured the heights of each floor and converted the measurements to our scale model

Architects' floor height is scaled to 1cm  $\approx$  16'.

Then we had to use the proportion:

Our model is scaled to  $1'' \approx 14'$ .

First Floor Window: 
$$0.5 \text{ cm} = 1 \text{ cm}$$

$$x \qquad 16'$$

$$x = 8'$$

$$x'' = 1''$$

$$8' \qquad 14'$$

Second Floor Window: 
$$0.5 \text{ cm} = 1 \text{ cm}$$

$$x = 16'$$

$$x = 8'$$

$$\frac{x''}{8'} = \frac{1}{14'}$$

$$x = 9/16''$$

x = 9/16"

Third Floor Window: 
$$0.5 \text{ cm} = 1 \text{cm}$$

$$x = 8'$$

$$\frac{\mathbf{x''}}{8'} = \frac{1"}{14'}$$

$$x = 9/16$$
"

### Fourth Floor Window: 0.5 cm = 1 cm

$$x = 8'$$

$$x'' = 1''$$
8' 14'

$$x = 9/16$$
"

## Recreation

Side	Survey Map	Model
Side A-B	245'	17 1/2"
Side B-C	148 3/4'	10 5/8"
Side C- D	245'	17 1/2"
Side A-D	148 3/4'	10 5/8"

### Math Work

We measured the Model sides of the Recreation. Then we set up a proportion:

Our model is scaled to 1"  $\approx$  14'.

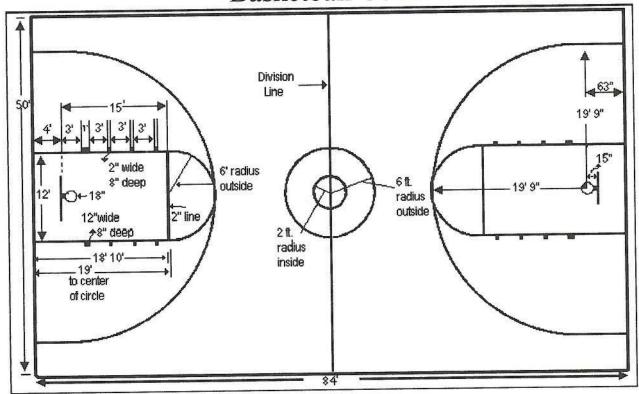
Side A-B: 
$$\frac{17 \frac{1}{2}"}{x'} = \frac{1"}{14'}$$
  
  $x = 245'$ 

Side B-C: 
$$\frac{10 \ 5/8"}{x'} = \frac{1"}{14'}$$
  
 $x = 148 \ 3/4'$ 

Side C-D: 
$$\frac{17 \frac{1}{2}"}{x'} = \frac{1"}{14'}$$
  
 $x = 245'$ 

Side A-D: 
$$\frac{10 \ 5/8"}{x'} = \frac{1"}{14'}$$
  
 $x = 148 \ 3/4'$ 

# **Basketball Court**



Model Scale: 1 in. = 14 ft.

#### Center:

$$.14$$
" = (n)  $1/16$ " n= 2

#### Box Width:

$$.86$$
" = (n)  $1/16$ " n= 14

#### Court Width:

$$.6$$
" = (n)  $1/16$ " n= 10

#### **Outer Center**

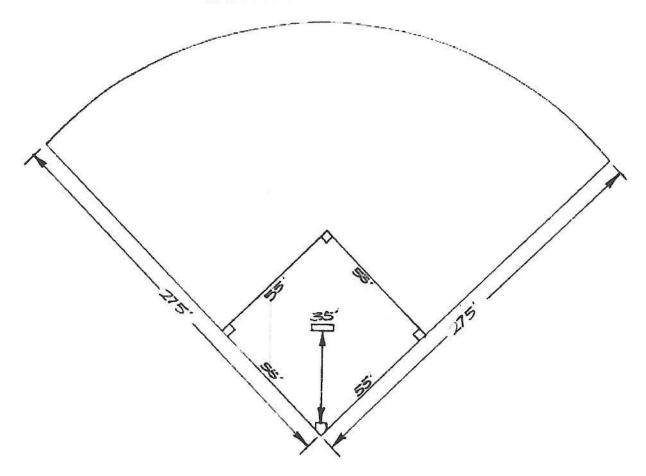
$$.43$$
" = (n)  $1/16$ " n= 7

#### Box Length:

$$.36$$
" = (n)  $1/16$ " n= 6

#### Court Length:

# Softball Field



Model Scale: 1 in. = 14 ft.

Proportion was used since we only had 126' of field length on the new property, so a smaller scale playing area will be used.

Proportion: 55'/275' = (n)/126' n=25'

**Distance to First Base** 25' x 1"/14' = 1.8"

$$n = 12$$

#### **Distance to Pitcher Mound**

$$35^{\circ}/55^{\circ} = (n)/25^{\circ}$$

$$.14$$
" = (n)  $1/16$ "

$$n=2$$

# Soccer/Football Field

Model Scale: 1 in. = 14 ft.

Proportion was used since we only had 119' of field length on the new property, so a smaller scale playing area will be used.

Proportion:  $180^{\circ}/301^{\circ} = (n)/119^{\circ}$  n= 71'

Field Width:

$$.07$$
" = (n)  $1/16$ "

$$n=1$$

Field Length:

$$.5$$
" = (n)  $1/16$ "

$$n=8$$

# Pre-K/K Playground

Side	Survey Map	Model
Side A-B	59 1/2'	4 1/4"
Side B-C	43 3/4'	3 1/8"
Side C- D	59 1/2'	4 1/4"
Side A-D	43 3/4'	3 1/8"

### Math Work

We measured the Model sides of the Pre-K/K Playground. Then we set up a proportion:

Our model is scaled to 1"  $\approx$  14'.

Side A-B: 
$$\frac{4 \frac{1}{2}"}{x'} = \frac{1"}{14'}$$
  
  $x = 59 \frac{1}{2}'$ 

Side B-C: 
$$\frac{3 \cdot 1/8"}{x'} = \frac{1"}{14'}$$
  
 $x = 43 \cdot 3/4'$ 

Side C-D: 
$$\frac{4 \frac{1}{2}"}{x'} = \frac{1"}{14'}$$
  
  $x = 59 \frac{1}{2}'$ 

Side B-C: 
$$\frac{3 \cdot 1/8"}{x'} = \frac{1"}{14'}$$
  
  $x = 43 \cdot 3/4'$ 

## **Parking Lot**

	8	
Side	Survey Map	Model
Side A-B	17 1/2'	1 1/4"
Side B-C	173 1/4'	12 3/8"
Side C- D	17 1/2'	1 1/4"
Side D-E	28'	2"
Side E-F	17 1/2'	1 1/4"
Side F-G	140'	10"
Side G-H	15 3/4'	1 1/8"
Side H-I	5 1/4'	3/8"
Side I-J	17 1/2'	1 1/4"
Side J-K	26 1/4'	1 7/8"
Side K-L	17 1/2'	1 1/4"
Side A-L	28'	2"
Parking Space Length:	17 1/2'	1 1/4"
Number of Parking Spaces:	20 spaces	
Side B-C	173 1/4'	12 3/8"
Side F-K	173 1/4'	12 3/8"
Parking Space Width:	173 1/4'÷20 spaces=8 53/80'	12 3/8"÷20 spaces=99/160"

### Math Work

We measured the Model sides of the Parking Lot A. Then we set up a proportion:

Our model is scaled to 1"  $\approx$  14'.

ex. Side A-B: 
$$\frac{1 \cdot 1/2"}{x'} = \frac{1"}{14'}$$
  
 $x = 17 \cdot 1/2'$ 

We measured the parking space length and then used the above proportion.

Parking Space Length: 
$$\frac{1 \frac{1}{2}"}{x'} = \frac{1"}{14'}$$
  
 $x = 17 \frac{1}{2}'$ 

The Model lengths of Sides B-C and Sides F-K are 12 3/8". Using the above proportion, we solved for the lengths. We divided the Model length as well as the Architects' drawing length by 20 spaces to find how wide each parking space will be.

Side A-B: 
$$\frac{1 \frac{1}{2}"}{x'} = \frac{1"}{14'}$$
  
  $x = 17 \frac{1}{2}'$ 

Side B-C: 
$$\frac{12 \ 3/8"}{x'} = \frac{1"}{14'}$$
  
 $x = 173 \ 1/4'$ 

Side C-D: 
$$\frac{1 \frac{1}{2}}{x'} = \frac{1}{x'}$$
  
 $x = 17 \frac{1}{2}$ 

Side D-E: 
$$2'' = 1''$$
  
 $x' = 14'$   
 $x = 28'$ 

Side E-F: 
$$\frac{1 \frac{1}{4}}{x'} = \frac{1}{14}$$
  
 $x = \frac{17}{1/2}$ 

Side F-G: 
$$\frac{10"}{x'} = \frac{1"}{14'}$$
  
 $x = 140'$ 

Side G-H: 
$$\frac{1 \frac{1}{8}"}{x'} = \frac{1"}{14'}$$
  
  $x = 15 \frac{3}{4}'$ 

Side H-I: 
$$\frac{3/8"}{x'} = \frac{1"}{14'}$$
  
  $x = 5 \frac{1}{4'}$ 

Side I-J: 
$$\frac{1 \frac{1}{2}}{x'} = \frac{1}{4}$$
  
  $x = 17 \frac{1}{2}$ 

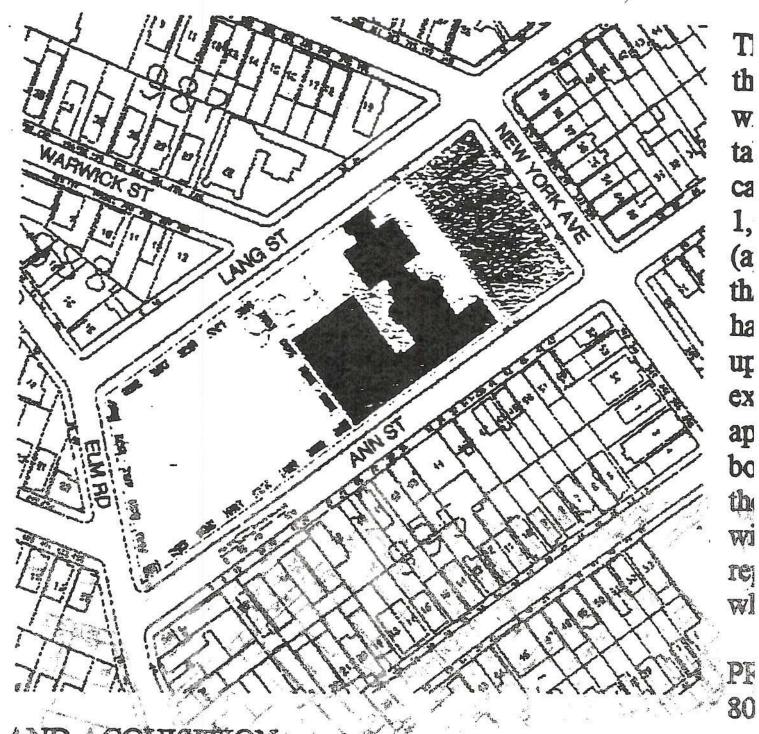
Side J-K: 
$$\frac{17/8"}{x'} = \frac{1"}{14'}$$
  
 $x = 261/4'$ 

Side K-L: 
$$\frac{1 \frac{1}{4}"}{x'} = \frac{1"}{14'}$$
  
 $x = 17 \frac{1}{2}'$ 

Side A-L: 
$$2'' = 1''$$
  
x' 14'  
 $x = 28'$ 

# **OVERVIEW**

The replacement school for Ann Street will be constructed in school will be demolished and replaced with recreation and puildings currently stand, will also be acquired with this addit the school and support space will occupy the full block.



LAND ACQUISITION

The land acquisition process has started for the parcels of la

# EYP/Transmittal

To	/	30 Ann	Janny Oliveira @ Ann Street School O Ann Street Jewark, NJ 07105			
Date:		05 April	04	We Transmit:		
Project No	.:	7003021	.50	Attached	Under Separate C	Cover via
Attention:		Manny	Oliveira	The Following:		
Re:		Ann Str	eet School	☐ Drawings	☐ Copy of Letter	☐ Specifications
		Concep	t Design Info	☐ Samples	☐ Shop Drawing	☐ Change Order
				Other: <u>Disk</u>	with CAD and JPEG	drawings
Copies	Date		Drawing No.	Disk w/ Scheme	A plans, site plan, buil	Iding section 3D
1	12 M	lar 05		drawings	71 plans, sice plan, but	iding section, 3D
Transmitte	ed as ch	necked:				
☐ For ap	pprova	1	☐ No exception taken		☐ For review and comment	
☐ For y	our use	e	☐ Make correct	tions noted	Revise and subm	it
		☐ Rejected		☐ Prints returned after loan to us		
Other			735			
Remarks:						
Mr. Oliv	eira,					
Please see	e attacl	hed a CD labeled di	rdt asked that I ser with CAD build rawings for references se feel free to call 1	ing plans and secti nce.	s for Ann Street Studer on, 3D massing render	nts to use. rings, and a power
Regards,						
Michael	Buesin	ng/Projec	t Architect			
Copy to: P:\2003\700302	21.50\DOC\	05. Client\5A. Co	orrespondence\SA.6 To-From-C	From: Michael Bue	esing EIRA.doc	

Einhorn Yaffee Prescott Architecture & Engineering, P.C.
440 Park Avenue South New York, NY 10016 Telephone 917 981 6000 Fax 917 981 6100 eypae.com

### **Water Table**

Original

56.59in L x 29.75in D x 20in H

Length

$$56.59$$
in x  $1$ ft =  $4.7$ ft  $12$ in

Model

$$4.7 \text{ft} \times \frac{1 \text{in}}{14 \text{ft}} = .33 \text{in} = 5/16 \text{in}$$

#### Diameter

29.75in x 
$$\frac{1ft}{12in}$$
 = 2.47ft

Model

$$2.47$$
ft x  $\frac{1in}{14}$  = .117in = 1.8/16in

<u>Height</u>

$$20 \text{in } \times \frac{1 \text{ft}}{12 \text{in}} = 1.6 \text{ft}$$

Model

$$1.6$$
ft x  $1$ in = .11in = 1.76/16in 14ft

### **Blackboard**

<u>Original</u>

<u>Height</u>

Model

$$\frac{1}{3}$$
ft x  $\frac{1}{1}$ in = .21 = 3.36/16in

Length

$$24in \times \frac{1ft}{12in} = 2f^{\dagger}$$

Model

$$2\text{ft} \times \frac{1\text{in}}{14\text{ft}} = .14\text{in} = 2.24/16\text{in}$$

### Chest

```
Original
32"in x 22"in x 21"in
Length
32in \times 1ft = 2.75ft
        12in
Model
2.75ft x 1in = .19in = 3.04/16in
           14ft
Diameter
22in \times 1ft = 1.83ft
        12in
Model
1.83ft x 1in = .13in = 2.08/16in
           14ft
Height
21in \times 1ft = 1.75ft
        12in
Model
1.75 \text{ft} \times \frac{1 \text{in}}{1.75 \text{ft}} = .125 \text{in} = \frac{2}{16} \text{in}
           14ft
Tent
Original
 18ft x 40ft
Length
 18ft \times N \text{ in} = 1.28ft = .28ft \times 16 = .48 = 1.48/16in
        14ft
 Height
 40ft x N in = 2.85ft = .85ft x 16 = .6 = 2.6/16in
          14ft
 Kids Table
 Original
 25"in x 32"in x 22"in
 Length
 25in \times 1ft = 2.03ft
          12in
```

Model  

$$2.03 \text{ft} \times 1 \text{in} = .14 \text{in} = 2.24/16 \text{in}$$
  
 $14 \text{ft}$   
Height  
 $32 \text{in} \times 1 \text{ft} = 2.66 \text{ft}$   
 $12 \text{in}$   
Model  
 $2.66 \text{ft} \times 1 \text{in} = .13 \text{in} = 3.04/16 \text{in}$ 

$$2.66$$
ft x  $\frac{1}{1}$  = .13in = 3.04/16in 14ft

#### Diameter

$$\frac{1}{22 \text{in} \times 1 \text{ft}} = 1.83 \text{ft}$$

#### Model

$$1.83$$
ft x  $1$ in = .13in = 2.08/16in 14ft

### Chalk Table

#### Original 20in x 35in

### Model

### Diameter

$$\frac{\text{Model}}{2.91 \text{ft}} \times \frac{1 \text{in}}{14 \text{ft}} = .20 \text{in} = 3.2/16 \text{in}$$

### Stool

$$\frac{\text{Height}}{10 \text{in x } 1 \text{ft}} = .83 \text{ft}$$

$$12 \text{in}$$

### Square Table

21in x 24in

Length 21in 
$$\times$$
 1ft = 1.75ft 12in

$$\frac{\text{Model}}{1.75 \text{ft} \times \frac{1 \text{in}}{14 \text{ft}}} = .125 \text{in} = 2/16 \text{in}$$

$$\frac{\text{Height}}{24 \text{in x}} \frac{1 \text{ft}}{12 \text{in}} = 2 \text{ft}$$

$$\frac{\text{Model}}{\text{2ft x } \frac{1 \text{in}}{14 \text{ft}}} = .14 \text{in} = 2.24/16 \text{in}$$

### **Round Table**

$$\frac{\text{Height}}{21 \text{in x } \frac{1 \text{ft}}{12 \text{in}}} = 1.75 \text{ft}$$

$$\frac{\text{Model}}{1.75 \text{ft} \times \frac{1 \text{in}}{14 \text{ft}}} = .125 \text{in} = 2/16 \text{in}$$

$$\frac{\text{Diameter}}{36\text{in } \times \frac{1\text{ft}}{12\text{in}}} = 3\text{ft}$$

$$\frac{\text{Model}}{3\text{ft} \times \frac{1\text{in}}{14\text{ft}}} = .21\text{in} = 3.36/16\text{in}$$

### **Hopscotch**

Original 7ft x 2ft

$$\frac{\text{Length}}{7\text{ft} \times \frac{\text{N in}}{14\text{ft}}} = .5\text{ft} \times 16 = 8/16\text{in}$$

$$\frac{14\text{ft}}{14\text{ft}}$$

$$\frac{\text{Width}}{2\text{ft} \times \frac{\text{N in}}{14\text{ft}}} = .14\text{ft} \times 16 = 2.24/16\text{in}$$

### Play Area

Original 20ft x 35 ft

Length  

$$20\text{ft} \times \frac{\text{N in}}{14\text{ft}} = 1.42\text{ft} \times 16 = 1.72/16\text{in}$$
  
 $\frac{\text{Width}}{35\text{ft} \times \frac{\text{N in}}{14\text{ft}}} = 1.78\text{ft} \times 16 = 1.48/16\text{in}$ 

Christina Silva CASSIANO DOS SANTOS KENNY NEGRIN Eduardo Silva

403

JESSICA Martinho Elsa Peresira Jose Estrada

404

Anabella Brochedo

Anabella Brochedo

Anabella Brochedo

Anabella Brochedo

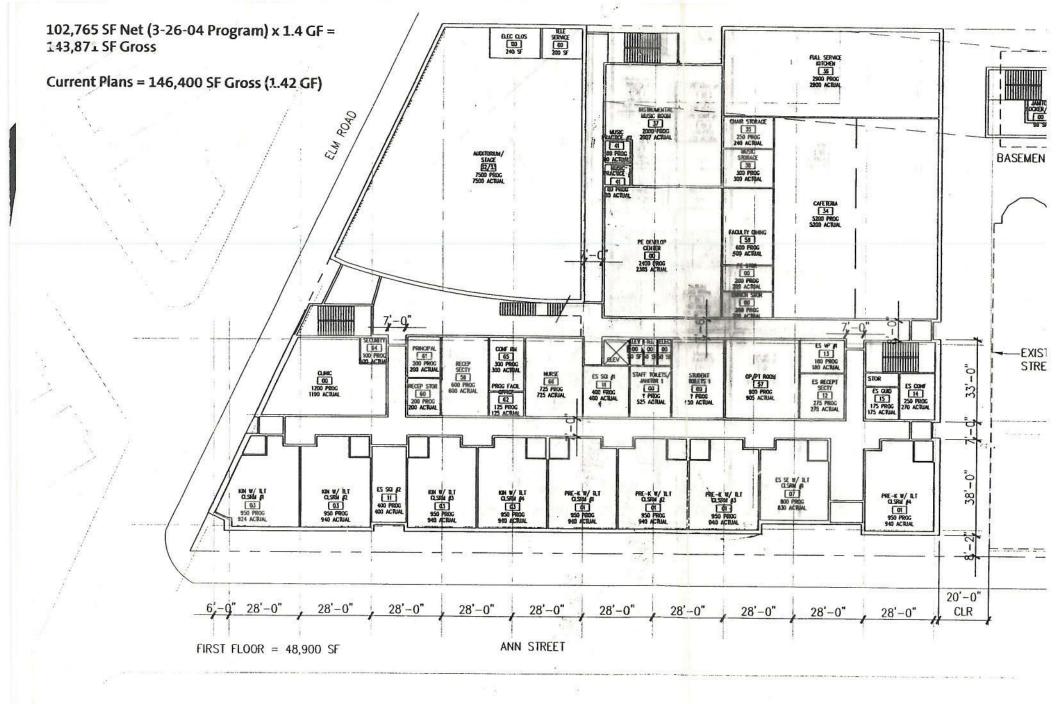
WATER TANDITO \*

Hospo Gwadera

Stephanie Perez Tiago Nunes CESAr Enriquez

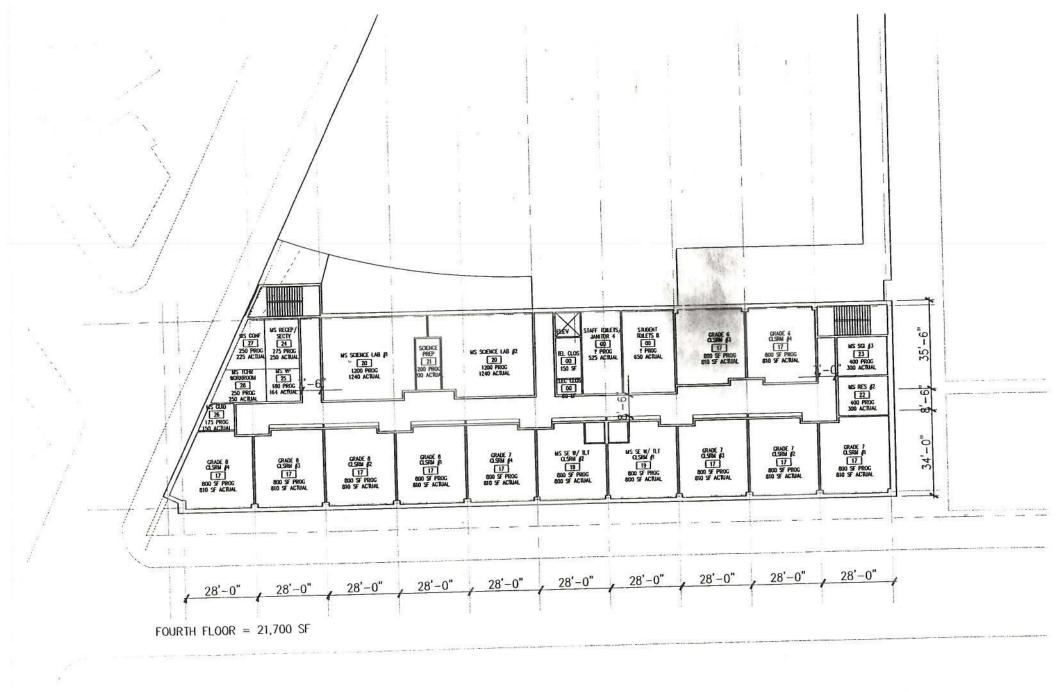
### AUGUSTO AMADOR COUNCILMAN-EAST WARD NEWARK, NEW JERSEY PHONE- #973-733-3665 FAX- 973-733-5822

TO: the Hacris
LOCATION Amm Street School
FROM Paris libein
We are transmitting pages, including this cover sheet. If the transmissions are not completed, please call the telephone number listed above.
URGENT FOR YOUR REVIEW REPLY NEEDED
ORGENI POR YOUR REVIEW - REPLI INCLUED
COMMENTS Mr. Marcia, as the
Your request enloyed
please find the information
about the entire block.
Il Vou need and more information
please feel free Ito grie grie a
HAVE A NICE DAY
Marie-



© 2003 Einhorn Yaffee Prescott, A&E

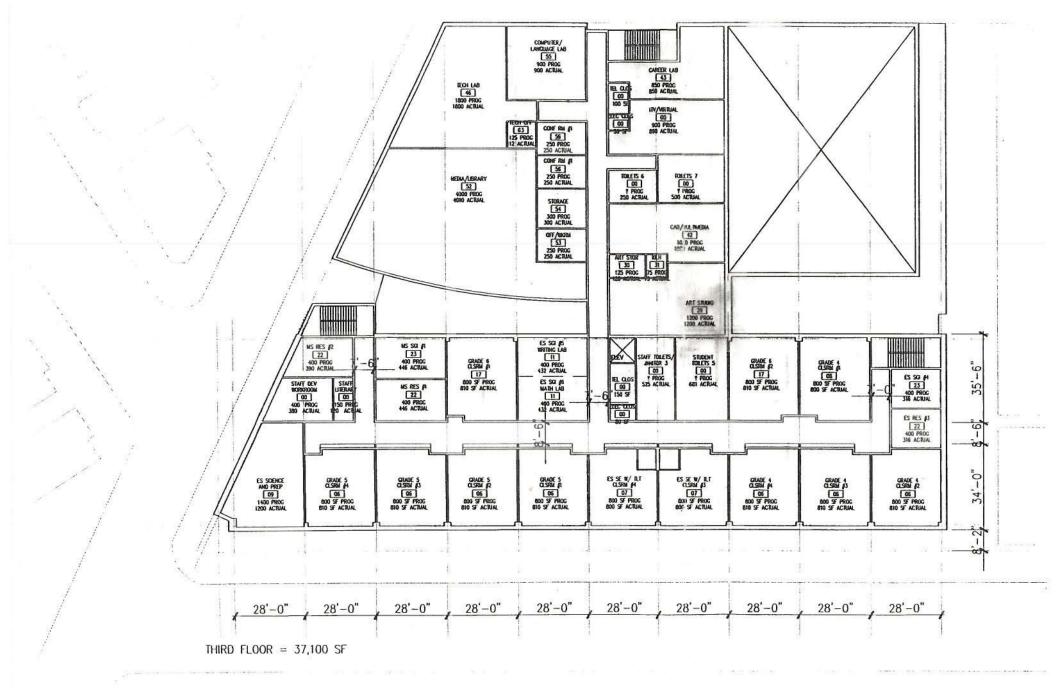




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NEWARK PUBLIC SCHOOLS ANN STREET SCHOOL NEWARK, NEW JERSEY



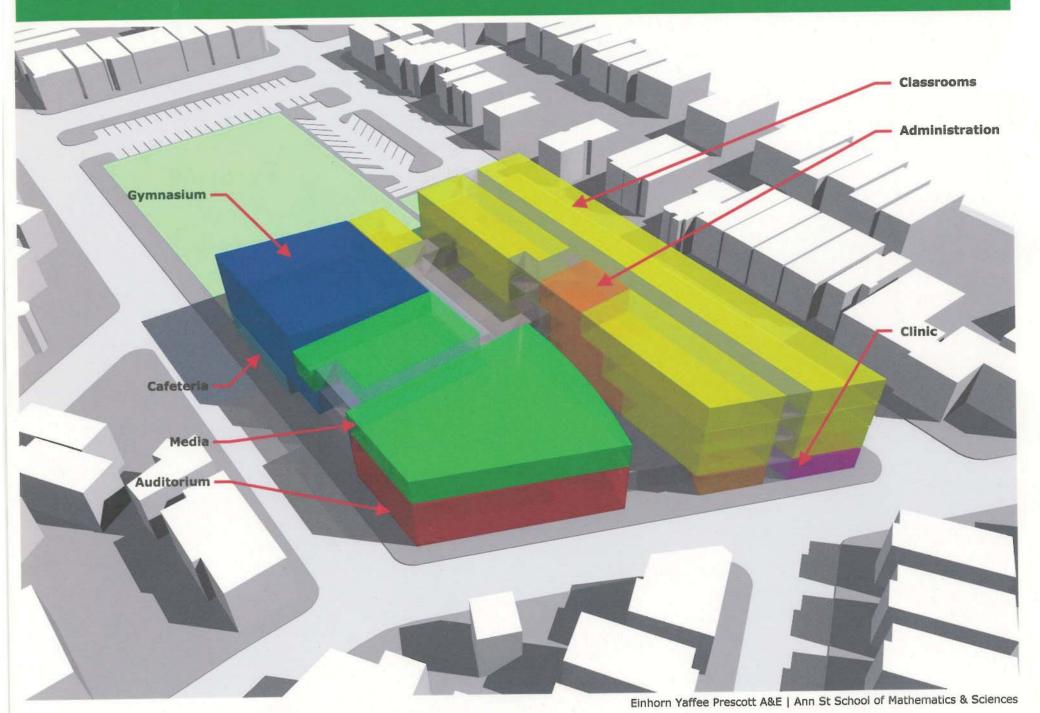
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Phasing Plan: Phase 5



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# Scheme A



# Concept Design Phase – Site Analysis



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# Scheme A: First Floor Lang St Service Auditorium Music Kitchen Cafeteria Recreation Community/ M.S. Entry New York Avenue Parking: 39 spaces Admin Admin Support Pre-K/K Parking:21 spaces Pre-K/K Playground Ann St E.S. Entry Pre-K/K Entry Einhorn Yaffee Prescott A&E | Ann St School of Mathematics & Sciences 53,400 sq. ft.

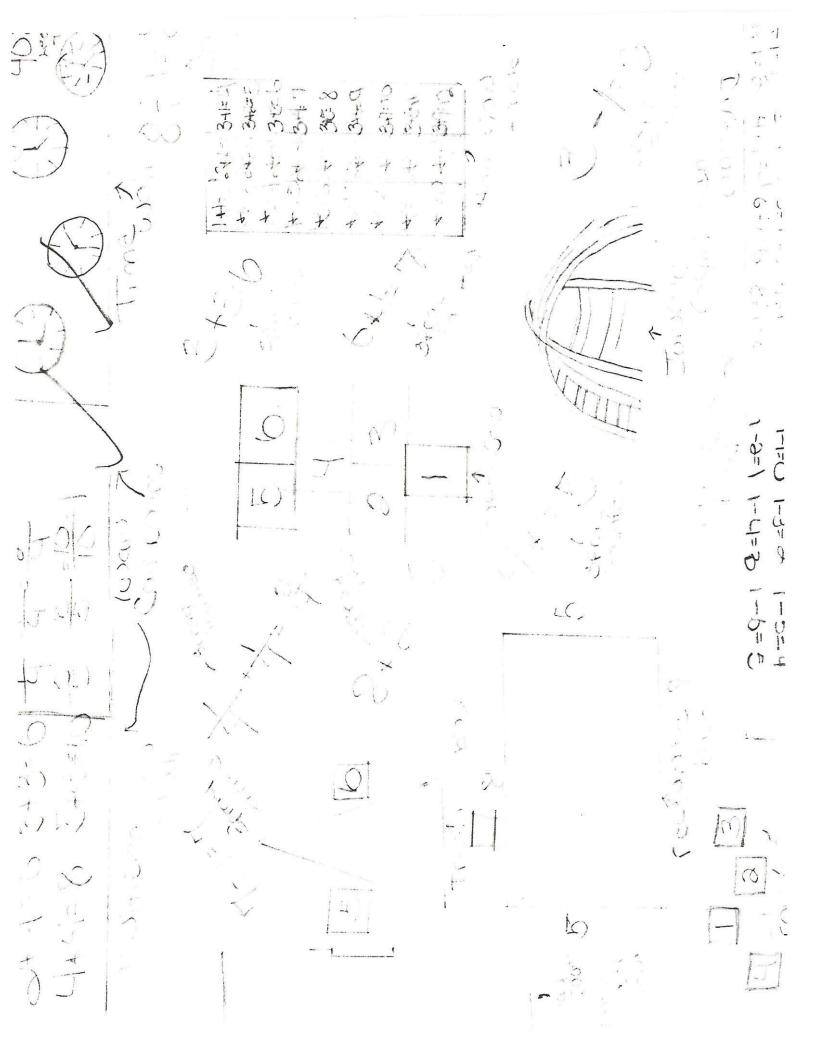
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38,000 sq. ft.

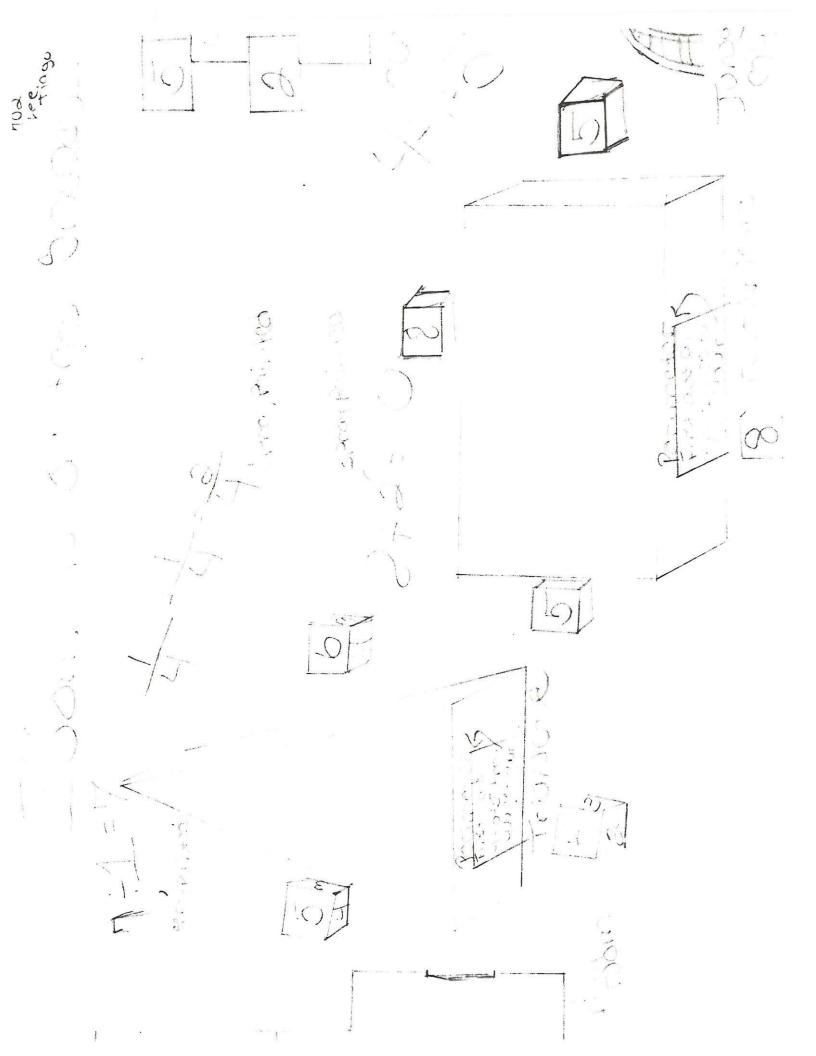
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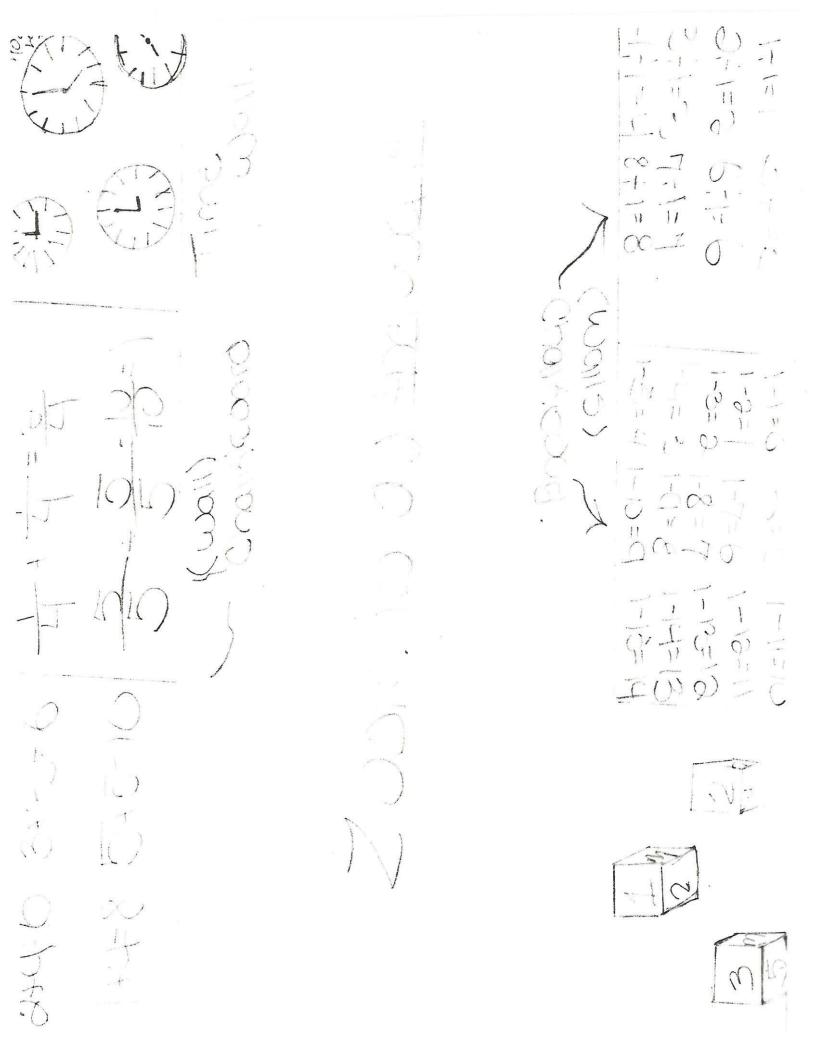
Scheme A

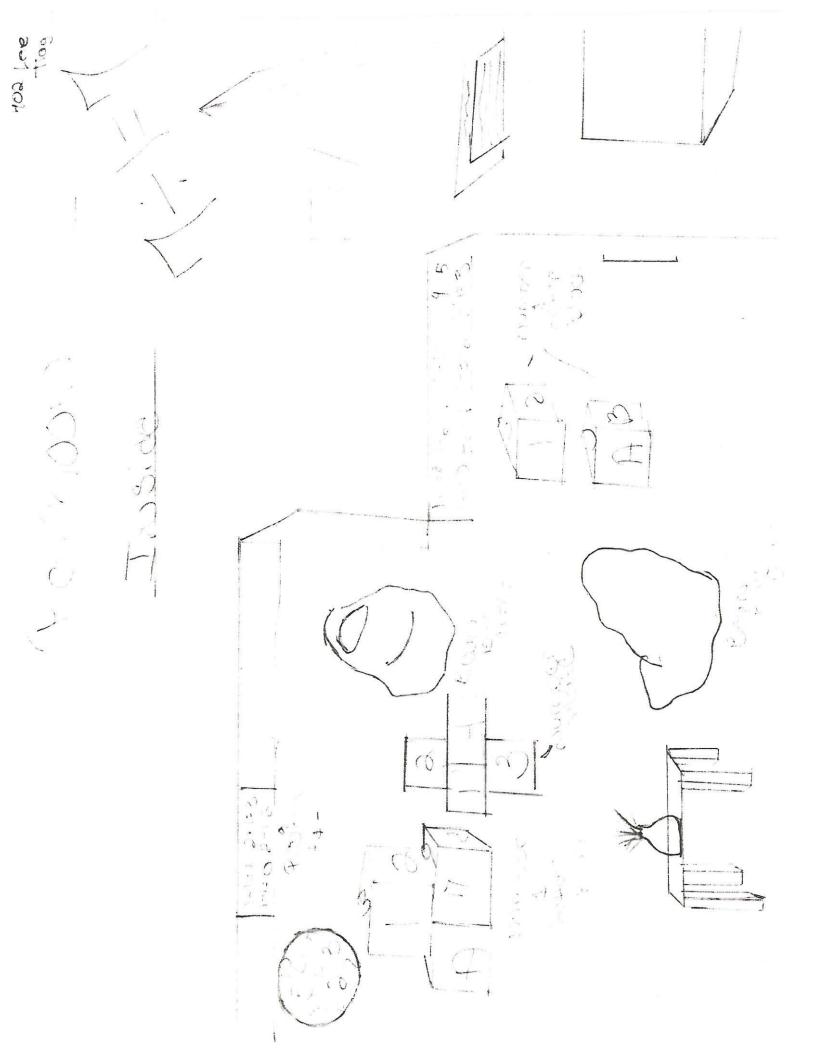
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CUA Worling and Orgalloff school Pre-th + Hindergarden Pauground Playground Parking Lot

## Pre-h + hindergarden Playground

section 1

Section a

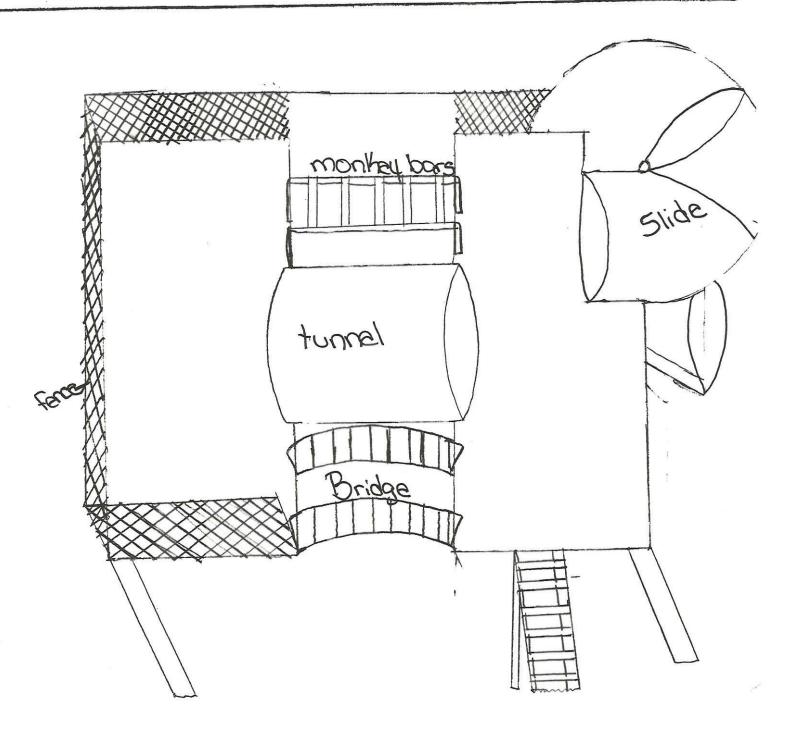
Section 3

Section 4





## Section I (close UP)



Section 2 (close up)

per table per table

	Section 2
rin Space Xo	Section.
Section	Section 3'on
	Sect. Ton
	Section 6

8 1/6"

Sect 100

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