

University of Pennsylvania Scholarly Commons

Theses (Historic Preservation)

Graduate Program in Historic Preservation

January 2004

Adding to Meyerson: A Theoretical Approach to Designing Additions to Buildings of the Recent Past

Gustavo Javier Carrera University of Pennsylvania

Follow this and additional works at: http://repository.upenn.edu/hp theses

Carrera, Gustavo Javier, "Adding to Meyerson: A Theoretical Approach to Designing Additions to Buildings of the Recent Past" (2004). *Theses (Historic Preservation)*. 1. http://repository.upenn.edu/hp_theses/1

Presented to the Faculties of the University of Pennsylvania in Partial Fulfillment of Requirements for the Degree of Master of Science in Historic Preservation 2004.

Advisor: David G. De Long

This paper is posted at ScholarlyCommons. http://repository.upenn.edu/hp_theses/1 For more information, please contact libraryrepository@pobox.upenn.edu.

Adding to Meyerson: A Theoretical Approach to Designing Additions to Buildings of the Recent Past

Comments

Presented to the Faculties of the University of Pennsylvania in Partial Fulfillment of Requirements for the Degree of Master of Science in Historic Preservation 2004.

Advisor: David G. De Long

ADDING TO MEYERSON: A THEORETICAL APPROACH TO DESIGNING ADDITIONS TO BUILDINGS OF THE RECENT PAST

Gustavo Javier Carrera

A THESIS

In

Historic Preservation

Presented to the Faculties of the University of Pennsylvania in Partial Fulfillment of the Requirements for the Degree of

MASTER OF SCIENCE

2004

Advisor David G. De Long Professor Emeritus of Architecture Reader Morris Hylton III New Project Development Manager World Monuments Fund

Graduate Group Chair Frank G. Matero Associate Professor of Architecture I would like to dedicate this to my family whose love and support have helped guide me through another chapter in my life.

Acknowledgements

In my two years at the University of Pennsylvania I have come across many great teachers who have inspired me. These teachers were not just professors but classmates as well. Through the preparation of this thesis, those teachers have remained by my side and assisted me when I needed it. I would like to thank them all.

First I would like to thank my advisor, David DeLong, who has inspired me from the first day I started school till the last. He has guided me and helped structure and broaden my views toward architecture and preservation by exposing me to different architectural philosophies. His knowledge and constructive criticism have made me think in many different levels that I did not know even existed. Most importantly, I would like to thank him for helping me organize my thoughts and ideas, and clarify them into what is my thesis.

I would also like to thank my reader, Morris (Marty) Hylton III, whom I had the pleasure to work with and learn from. He provided me with the direction I needed when I was lost in my thoughts. I would like to thank him for getting me interested in contemporary approaches to Historic Preservation and introducing me to a wide range of different buildings and architects.

I would like to thank my employer, Page Ayres Cowley, FAIA, who has provided me with knowledge and resources in the field of Historic Preservation. I would like to thank my brother, who along with my employer, introduced me to Historic Preservation through architecture. He has always been there for support and torment, but most importantly he has been a big brother to me not just in my personal life but my professional life as well.

I would also like to acknowledge Professor Lindsay Falck. His knowledge of

Meyerson Hall helped me in determining many important issues and his knowledge of the

University has led me in a straight path when I needed to find something. I would also

like to thank him for listening and for providing me with resources and research done on

Meyerson Hall that would have otherwise taken me years to compile. Along with Professor

Falck I would also like to thank John Hinchman for all his technological assistance and all

his time I wasted in 051.

I would like to thank my friends for providing a sense of balance in my life between

school and leisure. I would also like to thank them for having to hear me ramble random

ideas about my thesis that I am sure made no sense at that time. As I rambled I was also

paying attention to the sacrifices everybody has made for me and if the situations were

reversed I would have done the same. When I remember my thesis, I will remember all the

long nights of school work and all the fun times outside of school.

Finally I owe a special thanks to my parents for giving me the opportunity to pursue

this education through love, support, and patience. They have always been there for me

and have provided a great amount of help with all the important decisoins in my life as well

all the little things that mean so much.

Gustavo Carrera

April 2004

iv

Table of Contents

	Title Page Dedication Acknowledgements	i ii iii
	Table of Contents	v
	List of Illustrations	vi
	Introduction	1
I.	Understanding The Building Understanding The Site Understanding Time Understanding The Community	7 12 15 18
II.	Case Studies Case Study:Salk Institute Case Study:The Huntington Hartford Museum Case Study:Levine Hall Case Study:Sherman Fairchild Center Case Study:Lerner Hall	21 24 28 33 38 43
III.	Meyerson Hall	49
IV.	Theory And Practical Application	56
V.	Conclusion	66
	Endnotes	68
	Appendices Appendix A: Catalogue of Case Studies Spreadsheet Appendix B: University of Pennsylvania	71
	Design Guidelines and Review of Campus Projects Appendix C: Space Inventory For Relocation Of	73
	GSFA Into A New Building by Lindsay Falck Appendix D: Site Analysis Diagrams For Relocation	83
	Of GSFA by Lindsay Falck Appendix E: Drawings And Photographs:	103
	Proposed Design of Addition to Meyerson Hall	127
	Bibliography	162 167

List of Illustrations

Unless otherwise mentioned, all photographs and drawings are by author.

I. Understanding the Building	
Ill. 1 - "The Room" Inscribed Lou K' 71. Louis I. Kahn: In The Realm of Architecture, p.127	p.7
Ill. 2 - Peabody & Stearns's provisions for the preservation of the Custom House in the alteration. The Architecture of Additions, p.88	p.7
Ill. 3 - Campus view looking northeast from College Hall, University Archives Digital Image Collection, 1890. http://hdl.library.upenn.edu/1017.6/2003041002	p.12
Ill. 4 - Jules Crow's rendering of a proposal by McKim, Mead & White for South Field. Morningside Heights: A History Of Its Architecture & Development, p.167	p.12
Ill. 5 - Acropolis, Athens, January 1951. Louis I. Kahn: In The Realm of Architecture, p.149	p.15
Ill. 6 - Le Corbusier, 'Contemporary City for Three Million Inhabitants' 1922 perspective. Modern Architecture Since 1900, p.247	p.18
II. Case Studies	
Ill. 7 - Le Corbusier, 'Contemporary City for Three Million Inhabitants' 1922, glazed skyscrapers and multi-level transport terminal at city centre. Modern Architecture Since 1900, p.246	p.20
Ill. 8 - Sherman Fairchild Center North Facade. Architecture of Additions, p.120	p.21
Ill. 9 - Salk Institute Walkway beneath study towers. Louis I. Kahn:In The Realm of Architecture, p.186	p.21

Ill. 10 - Salk Institute, Central Courtyard view toward mountains Louis I. Kahn: In The Realm of Architecture, p.190	p.24
Ill. 11 - Salk Institute, central courtyard view toward sea. Louis I. Kahn: In The Realm of Architecture, p.181	p.24
Ill. 12 - Salk Institute plan showing building with additions. The Architecture of Additions, p.114	p.25
Ill. 13 - Facade of additions on foreground. Architecture of Additions, p.115	p.25
Ill. 14 - Salk Institute, view toward sea. Modern Architecture Since 1900, p.127	p.26
Ill. 15 - Aerial view Sketch of Huntington Hartford Museum. Edward Durell Stone. The Evolution of an Architect, 1962	p.28
Ill. 16 - Former Huntington Hartford Museum, 2 Columbus Circle, NY.2004	p.29
Ill. 17 - Huntington Hartford Museum, first floor, gallery floor, and section of building. Edward Durell Stone, 1958. The Evolution of an Architect, p.204	p.30
Ill. 18 - View looking south to 2 Columbus Circle in the context of New York City, 2004	p.32
Ill. 19 - Levine Hall, University of Pennsylvania West Facade, 2004	p.33
Ill. 20 - Levine Hall, University of Pennsylvania, Site Plan, AutoCad Drawing 2004	p.34
Ill. 21 - Moore Building, University of Pennsylvania, 2004	p.35
Ill. 22 - Towne Building, University of Pennsylvania, 2004	p.35
Ill. 23 - Graduate Research Wing, University of Pennsylvania, 2004	p.35

Ill. 24 - Sherman Fairchild Center, West Facade, Columbia University, 2004	p.38
Ill. 25 - McKim, Mead & White's plan for Columbia University, The Architecture of Additions, p.117	p.39
Ill. 26 - Site Plan: Columbia University Campus. Progressive Architecture v.59	p.39
Ill. 27 - McKim, Mead & White's basic academic building block for Columbia University. The Architecture of Additions, p.117	p.40
Ill. 28 - Sherman Fairchild Center, Typical Floor Plan. Progressive Architecture	p.40
Ill. 29 - Sherman Fairchild Center next to Mudd Hall, Columbia University, 2004	p.41
Ill. 30 - Sherman Fairchild Center, Columbia University, 2004	p.42
Ill. 31 - View looking south at Lerner Hall in context at Columbia University, 2004	p.43
Ill. 32 - Perspective showing volume of Lerner Hall. "Bernard Tschumi/Ove Arup and Hugh Dutton/ Eiffel: Students Center, Lerner Hall, Columbia University, New York" <u>Architecture d'aujourd'hui</u> . 2000 July- Aug., no.329, p.61	p.44
Ill. 33 - Lerner Hall, Columbia University, 2004	p.44
Ill. 34 - View looking south at Lerner Hall, 2004	p.45
Ill. 35 - First Floor plan of Lerner Hall, "Bernard Tschumi/Ove Arup and Hugh Dutton/Eiffel: Students Center, Lerner Hall, Columbia University, New York" <u>Architecture d'aujourd'hui</u> . 2000 July-Aug., no.329, p.61	p.46
Ill. 36 - Lerner Hall Broadway Facade, corner wrapping around Mudd Hall. Columbia University, 2004	p.47

Ill. 37 - Lerner Hall ramp system, Columbia University, 2004	p.48
III. Meyerson Hall	
Ill. 38 - Meyerson Hall South Facade, University of Pennsylvania, 2004.	p.49
Ill. 39 - Diagram showing inconvenient path from south ADA ramp to north ADA entrance. 2004	p.52
Ill. 40 - University of Pennsylvania, Partial Plan, AutoCad Drawing. Irvine Auditorium & Vagelos Laboratories, 2004	p.55
Ill. 41 - Food Courts behind north facade of Meyerson Hall, 2004	p.63
Appendix E	
Ill. 42 - Southwest view of Meyerson Hall. AutoCAD Rendering. Drawing courtesy of University of Pennsylvania Facilities & Real Estate Services.	p.144
Ill. 43 - Campus Site Model. Southwest view of Meyerson Hall. Photo of University of Pennsylvania Facilities & Real Estate Services Campus Site Model	p.144

Introduction

Time only keeps moving forward and so does preservation. Preservation has increased in importance but most of the procedures followed for restoration remain the same. As new technology emerges, new opportunities are available to modify and interpret our history and architecture. By re-interpreting the past, a new path can be taken to construct a different future and a different way of preserving architecture. Re-interpreting the past does not mean to revive some old style or specific way of thinking, it means to re-interpret the meaning and concept of the building. Restoring a building to a time period only gives us an idea of the period, but not the true feeling of it. Keeping the historic fabric is very important, but where does one draw the line as to how much. A portion of a structure could be completely preserved as to the way it originally was and another portion can be interpreted to the same period but portrayed and constructed in a different more contemporary method. The true concept and idea of a building cannot be interpreted by restoring everything to the way it was. The structural members, fabric, and material things are only part of what made such a building significant. The life and meaning of the building is gone. Preserving this past can only restrain the future. By continuing the life of a building with the freedom to look at the concept and go without the worry of damaging historic material fabric, preservation can contribute to a new architecture and a new symbol for our past. Restoring a concept of a building instead of restoring the walls and ceiling of the building can advance architecture. While keeping a portion of the historic fabric that best portrays the architectural and technological significance, the other portion is left open to imagination, creativity, and a new form of preservation through design. The outcome will integrate the past with the future in a different way. Additions to historic buildings provide a form of preservation that allows new design to be integrated with restoration. However there are limits and rules to follow that are completely understandable. Expanding on this is only logical as new uses are invented and new methods are discovered.

In the field of Historic Preservation, one studies and analyzes buildings based on integrity and significance prior to adding to a historic building. How does one approach the design of an addition to buildings of the recent past? The approach must be different as the factors have different values. The process begins to change as we must now begin to analyze buildings on more than just its significance and integrity. These two words take on a different meaning and thus change the process. The significance is sought out in the every aspect of the building, not just their architectural features or historic past. Even the significance becomes questionable with these buildings. The approach taken towards the design of additions to buildings of the recent past that have no real significance also needs to be modified from conventional methods.

For historic buildings, research is done to verify the building's significance and historical facts. The analyzing begins when the building is compared to its historical state and original features and changes are documented. The integrity of the building is determined by the original fabric that still remains. A condition assessment is then done on the building studying material and structural status. After all this the design process begins, keeping in mind that all original fabric should try to be saved. It is recommended that the design process work around the historic fabric without damaging it. This approach will not work with most buildings of the recent past.

The process can be slightly different when dealing with buildings of the recent past. As the time proceeds, the buildings of the recent past evolve into the historic buildings that reflect our heritage and culture. However, the values have shifted from the historic buildings that we are familiar with and are less about conventional ornamentation. The materials used are sometimes common and minimal. These buildings are now usually steel frame or reinforced concrete with glazing. There is also the category that most of these

buildings will fall under, the one consisting of buildings with questionable significance. The same process of designing additions cannot be used if the building contains no real significance. Other factors must take precedence over the significance or the significance must be sought out elsewhere.

After World War II the United States was left with an abundant amount of industrial style buildings, designed to fit a need and take advantage of the space available. Architects sought a modern idiom through the elimination of historicizing detail, tending to substitute in its place exaggerated expressions of structure, material, and function. As these buildings were constructed at a rapid rate, the decoration was replaced with technology. The price of space encouraged the development of thin strong framing structures that allowed for the most space possible that still conformed to the requirements of the use. There was less time to spend on a motif or money on the extra material to enhance the facades. The large scale buildings constructed of load bearing masonry walls, which were rich in ornamentation, have been replaced mostly by steel framed construction with some type of cladding. The design of additions to these buildings must also change to incorporate these factors.

As we treat our historic buildings with much care, these new soon to be historic buildings need the same attention. Most are not highly significant, but are in great quantity. Not all of these buildings contain the significant physical features as listed on standard historic registers. However, just because these buildings are not listed on any historic register now and probably will not be, does not mean we should ignore them and forget about them. Their significance lies in their meaning and purpose. The emphasis of function and construction dominates over refinement of ornament. "Until recently, many post-war buildings were demolished rather than refurbished." Yet these buildings are part of our history and accomplishments. They did their time and we cannot forget them so easily. We must repair, alter, or add to help these buildings survive. This is why the approach taken

to preserve these buildings must be different than previous historic buildings. Buildings that do not meet a certain level of significance cannot be judged and preserved on the same principles of fabric, style, and integrity as the rest. We must now look beyond the fabric and physical constraints and deal with the social, technological, and psychological attributes that these buildings embody.

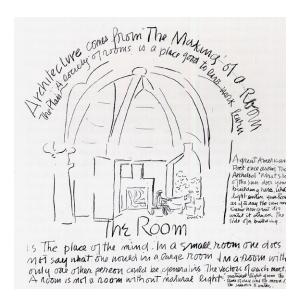
The buildings that need a different approach usually fall within a certain category. The aspects of this category apply to the building that will be studied and used as an example for an approach to designing an addition in this thesis. This category contains criteria that consist of the date of construction, an arguable significance, and poorly designed functional properties. The issue of authenticity lies in its context. As long as the element is original or true to its nature it is authentic. The authenticity of the building is based on the site, the fabric, and the concept. Authenticity is a broad concept and can refer to almost anything. The integrity of the building is related to the significance of the building. The integrity lies not just in the original existing fabric, but also in the context and concept of the building. The arguable significance as criteria is essential in determining these buildings that lack a distinct manner or style yet can be important to our society and history. These buildings are important or can be important depending on the argument. The date of construction helps to categorize buildings. The date of construction places these buildings in context and in relation to historic status. In the case under discussion, the date of construction should be post 1950. The year represents fifty years prior to the current year and also the period after World War II. In the United States, buildings must be at least 50 years old in order to be considered historic by the National Register of Historic Places. These buildings also must have some functional property that does not function as well as it did causing the building to need an addition. The malfunction can be a result of physical, social, or economic reasons. This criteria makes way for another approach to designs of additions.

The style of a building, as used in this report, means the physical result of the period of construction with the ideas of the architecture. The appearance of the building is often portrayed by public opinion. If the public finds the building to be physically appealing then the building can possess a sense of beauty. Likewise, if the building is an eyesore, or not appealing to look at, then the building could be perceived as ugly. The design is not interpreted as ugly or beautiful. If the design is defined as good or bad, then that reflects on the building's ability to perform its basic function and use. Most buildings that are considered great possess a sense of beauty, functions properly and is clear and understandable to all. These factors contribute to the quality of the design and appearance of the building.

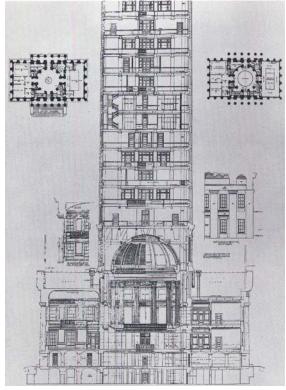
Buildings are built to serve a specific use. When that use expands or changes, additions and alterations must be made to accommodate such needs. In dealing with additions, it is crucial to understand the building, the site, the time, and the community. The environment plays a key role especially when the building is an historic landmark or in an historic district. There are specific guidelines to follow when adding to an historic building and the architecture must be sympathetic to the existing building and its surroundings.

A modern building that will soon be historic is Meyerson Hall. This building falls within the criteria set previously of buildings of the recent past with questionable significance and poor functional properties. Meyerson Hall, with its industrial size skylights, factory roof profile, and exaggerated concrete sunscreens, is a good candidate to study and analyze for a different approach to designing an addition. Since this building falls within the jurisdiction of the University of Pennsylvania, *The Design Guidelines and Review of Campus Projects*, take precedence over design requirements. The introduction of the Design Guidelines does offer an open approach to the requirements and expresses its success of variety. The introduction as written in the Guidelines follows.

"The Penn Campus, on its West Philadelphia site, has evolved over more than a century, with each new building added in a way that expressed its particular time. As a result, there is not a single overriding building style, and many different materials may be found side by side. Nonetheless, the campus has acquired a special character: it is an "academic crossroads" where people from twelve schools and many disciplines rub shoulders and share ideas. Its character is set by the density of schools and buildings, the scale, materials, and proportions of its older structures, and the green matrix of landscape extending outward from Blanche Levy Park."



Ill. 1 "The Room" Inscribed Lou K' 71. Louis I. Kahn: In The Realm of Architecture, p.127



Ill. 2 Peabody & Stearns's provisions for the preservation of the Custom House in the alteration. The Architecture of Additions, p.88

II. Understanding The Building

I. Understanding the Building

When working with historic buildings, it is obvious that the historic fabric must be preserved and that any additions must be able to be distinguishable yet subtle and compatible with the size, scale, and architectural features in order to protect the integrity of the building. These additions also must be made in a way as to leave the essential parts of the original building unharmed and retrievable. It is understandable to protect architectural features that have survived through many years and that were significant either in technology or the history of America. It is likewise important to preserve the overall look and appearance of historic buildings through a compatible design of additions. While preserving and understanding the physical features of the building, the non-physical features of the building are also important to recognize and understand. These non-physical features lie in the concept, function, and meaning of the building. The circulation, the spatial properties, the layout, and the history of the building supply information of the non-physical properties of the buildings that help to completely understand the significance of the building.

The meaning of the building goes beyond the physical properties of ornament and material of the building. Although ornamentation and materials do add to the expression the buildings give out, these elements are just the outer layer of the meaning of the building. When these elements are used for structural purposes, then we reach another level of meaning. The structure is the skeleton of the building. It is necessary to find out if the building can support an addition. By studying the structure it would be easier to pick the proper place for an addition. Understanding the materials that make up the structure is essential, not only in knowing the tectonics of the structure but also the personality that the material contains. In modern buildings, architects often chose to reveal the structure,

turning the building inside out and exposing the skeleton. In doing so, the material of the structure is exposed to interpretation and the characteristics must be re-examined. The material used, whether it is wood, steel, or masonry, is being combined for structural and aesthetic purposes. In pre-modern buildings, the materials used for the structure were used in a straightforward manner, used for their strengths and properties. Modern buildings manipulated these materials in ways that pre-modern buildings did not. Post World War II buildings took another step in utilizing technology now available that can produce almost anything. Basically, when analyzing the structural elements, a clear perception of the characteristics and intentions of the materials and technology used is required in order to proceed to the work that is to be performed on the historic building. In addition, whether the structure is exposed or hidden, it must still be analyzed and used as an interpretive tool for the new design.

The materials used in buildings help to interpret the building to the public. A wood building will get a different reaction than a concrete building. These emotional reactions that the buildings emanate are another level of the meaning of the building. The material is the fabric of the building. The fabric is important to the building. Giving it a sense of integrity is not its only function. Fabric has become a way to reflect ideas and concepts. The different uses of fabric portray a variety of functions and perceptions needed to accomplish the interpretation of the building. Fabric can be used to show mass, volume, transparency, outlines, and emotions. The material of the building comes together to give form to the building. The form must then too be analyzed. Perhaps the greatest use for fabric is in determining a style and a date for the building. No matter in what way you chose to use fabric, it will still be used according to methods used at a given time.

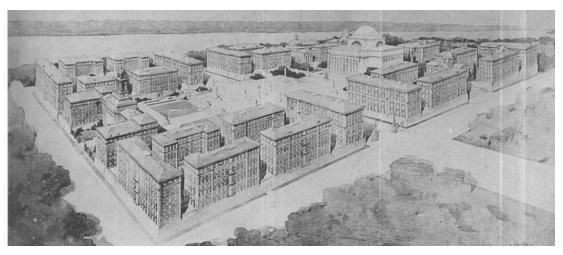
The next step in understanding the building is knowing the operational systems. In the beginning these systems just included doors and windows; now they also include mechanical and communication systems. The mechanical system incorporate the heating and cooling systems as well as the plumbing and electrical systems. The wiring infrastructure for communication systems is also part of the mechanical system. The communication system includes telephone, fax, television and computer systems. The demand for new technology to be installed into old buildings is growing, but new buildings that already use this new technology will require a different approach. Aside from doors and windows, there are movable and operational walls and floors. Buildings have changed over time and not all buildings contain the same types of systems. Identifying what system is used or was used, both historically and recently, is the next step once knowing that a system exists. Modern buildings have made the most of the modern systems historic. All these systems fit into the meaning of the building and the investigation of how the building comes together.

Once the building is constructed, another system is created. This system is the circulation of the building. The circulation of the building reveals the movement of people and air throughout and around the building. A bit on the intangible side of understanding the building, circulation is a major factor in determining if the building functions, or operates well. It also relates to the geometry and axial concepts of the building. The circulation is determined by the layout of the spaces within the building and by the function or use of the building. These spaces, along with the materials used, create a psychological affect inside the building. Circulation is used in designing theatres, museums, and institutions, just to name a few. The meaning comes from the form, function, aesthetic appearance, and ideas of the building. The form encompasses the structural and architectural features and the function includes the operational systems as well as the use of the building. The aesthetic

appearance includes the ornamentation and the materials and the way they are used. The ideas of the building deal with the concept, the circulation, the meaning, the light, and any intangible aspect of the building. In understanding the building, it is crucial to read all these factors and determine some type of balance between them. The need for an addition usually entails that one of these factors is not functioning, as it should be or was designed to.



Ill. 3 Campus view looking northeast from College Hall, University Archives Digital Image Collection, 1890. http://hdl.library.upenn.edu/1017.6/2003041002



Ill. 4 Jules Crow's rendering of a proposal by McKim, Mead & White for South Field. Morningside Heights: A History Of Its Architecture & Development, p.167

Understanding The Site

Understanding the Site

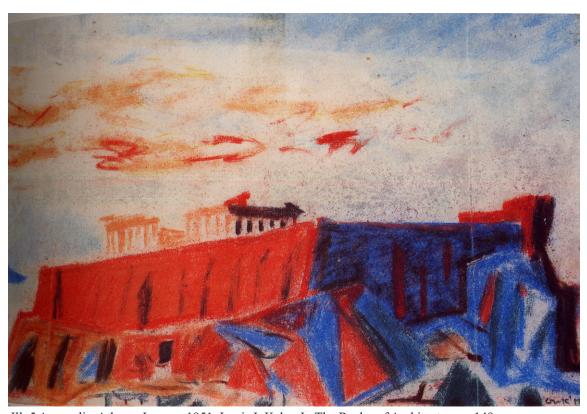
The context of the building is vital to its significance and survival. Recreating an experience or keeping the existing experience of a site can be hindered if the proposed addition to a historic building is designed without incorporating the site. The orientation, location, and relation to the site provide the feeling and sense of the building. The orientation can place the building to receive the most sunlight or shade. It can create a new path or axis based on which way the entrance is or which sides are most significant. Similarly, the location of a structure on a site can strengthen any axis or disorientate the existing axis. The location can create a view and a connection for the people that are deeper than something physical.

Landscaping also plays a part in understanding the site. Paths, trees, and even parking lots are associated with buildings and their sites. The special relationship between the building and open space is strengthened through proper landscaping. A building sitting alone on a site expresses a different feeling than a building sitting alone on a site surrounded by trees and walkways just as they both provide a different feeling than a building on a site surrounded by many other tightly placed buildings. The shadows, the materials, and the decoration that are created by these different scenarios must change giving an addition that does not recognize the site. On the other hand, these factors can be used to strengthen the addition by being incorporated into the design in a conceptual manner.

Historic buildings are contributing factors to the neighborhood just as the layout and master plan of the site are contributing factors of the historic building. In the past, some additions have been carefully tailored to include the concept of the site and layout when it is a major factor in the significance. Additions focused on the site usually apply to stand alone additions made to a master plan. Stand-alone additions are basically new

construction on an already existing site that had been carefully planned out in the original design. These new buildings are considered additions because they can alter or add to the original intent or concept of the site. Although stand-alone additions usually apply to institutions and universities, it can apply to any site as long as the site permits it. In a sense, historic buildings were once additions to the neighborhoods in which they now lie.

In most historic buildings, the site is overshadowed by the significance of the building. In modern buildings, the integrity of the building alone might not be enough to justify its significance. There are many buildings out there whose significance lies in their contribution to the site. While in the past many buildings were preserved for their architectural significance, we can now preserve those buildings that lacked architectural significance but served an important role in either creating a significant view or axis. The site helps the building and the building helps the site. They are a part of each other and the reason why we must also look at the site when designing an addition. Relating the concept and significance of the building to its surrounding is essential in fully understanding the site. Whether landmarks, regular buildings, or nothing surrounds the building, the site and the rational of the placement of the building in the site must always be looked at.



Ill. 5 Acropolis, Athens, January 1951. Louis I. Kahn: In The Realm of Architecture, p.149

Understanding Time

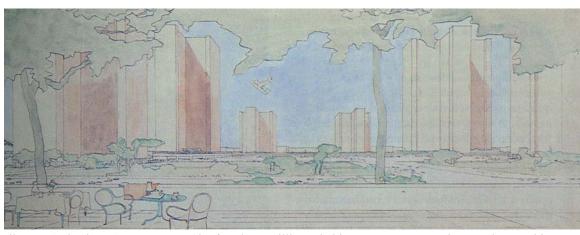
Understanding Time

Perhaps the most complex of all aspects of designing an addition is time. Time affects the addition on many levels and can be interpreted many different ways. It is imperative to consider time in as many ways as possible. Time is not only the place we are in now, but also the past and the future. Time involves economical and philosophical influences. Time can mean condition or duration. Time is what causes the need for additions. It is the changing of needs for uses and growth that evolved throughout time that contributes to the expansion of buildings. Time is the heart of architecture. Whichever approach is taken toward the design, time is going to affect it, either directly or indirectly.

The world is growing and changing at a rapid pace. What took people years to built now takes months. Time has greatly increased in value and has caused new techniques and machines to be invented that speed up the process, not only of construction but also of design. As is commonly said, "time is money." Time is so important in construction that it is possible that some construction can be compromised just to save time and money. Historic buildings demand more time to understand and incorporate new design, if contractors start cutting corners to save money an time, then it could be very detrimental to the historic buildings we are trying to save

Historic buildings have one thing in common; they have been around for a long time. As time passes, more and more buildings gain this common factor. The only differences being that the buildings still remain distinct in many ways such as style and construction. Time affects what style the building is as well as the change or deterioration of materials. Certain styles have been reintroduced but other factors can determine the date of the building. Materials have a reaction to time and are the reason for the need to repair most buildings. It is time that allows us to date buildings through materials by knowing

the type of reaction and the state the material is in. Recently constructed buildings create a new category in time and also in time become historic. There are materials used in new ways that are not tested or studied yet. It is when these recently constructed buildings become historic that we will see the affect of time on contemporary technology, besides time only moves in one direction.



Ill. 6 Le Corbusier, 'Contemporary City for Three Million Inhabitants' 1922 perspective. Modern Architecture Since 1900, p.247

Understanding The Community

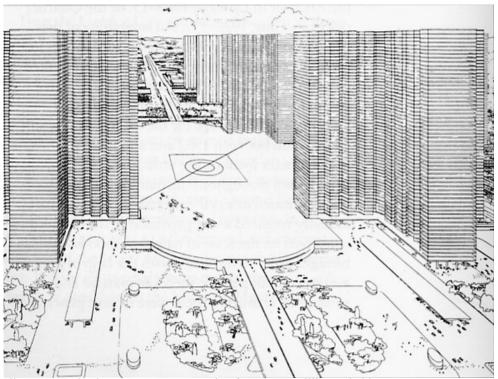
Understanding the Community

The community is part of the context of the building in a social aspect. The community provides the physical, historical, and social significance of the building. In a broader sense, the community involves the social trends of city, state, nation, and even the world. In this case, I will discuss the community as the social state of the surrounding cities and neighborhoods that are directly involved in dealing with historic buildings and renovations done to them. In addition, topics dealing with modern buildings that are now historic buildings need also be discussed. The social state we are in now finds that community involvement is necessary.

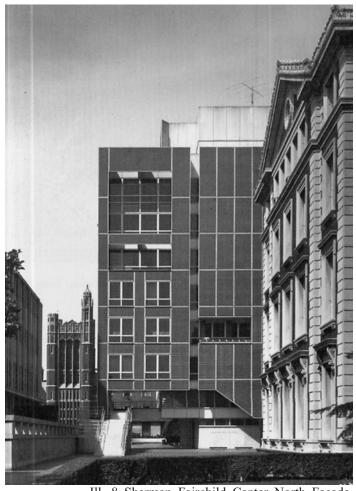
The community sets rules and regulations to deal with historic buildings. These regulations can be stronger and historic fabric is very important. However, when a modern building is involved, especially one that is not aesthetically pleasing to view, the community can be accepting of a broader range of designs. These designs might not be the appropriate way to go. As time passes this might not be the case anymore, then the community is left with a non-compatibly designed addition. Historic neighborhoods form groups to deal with this but it is fundamental to consider modernism as historic.

The community does not always know of the concept of the building or the reasons for the design. There are buildings that have been designed to accommodate the community's needs. Architects like Le Corbusier and Frank Lloyd Wright have designed based on the community's needs. Although not all buildings have been solely designed to accommodate the community, the presence of the building long enough to be considered historic can add that level of significance in the community aspect. Approaching an addition to a building that has served the community for a long time must take into account the community's thoughts and new needs. When done right this can be used to produce

an appropriate design that can please the community and still reflect the significance of the building while not damaging the integrity through major loss of original fabric.



Ill. 7 Le Corbusier, 'Contemporary City for Three Million Inhabitants' 1922, glazed skyscrapers and multi-level transport terminal at city centre. Modern Architecture Since 1900, p.246



Ill. 8 Sherman Fairchild Center North Facade. Architecture of Additions, p.120



Ill. 9 Salk Institute. Walkway beneath study towers. Louis I. Kahn: In The Realm of Architecture, p.186

II. Case Studies

II. Case Studies

To determine the appropriate approach to take when designing an addition, it is important to compile case studies to analyze. These case studies consist of a range of approaches to various types of buildings in different situations and under different circumstances. It is critical to see the response these additions received from the public and the affect it has had on the significance of the building. The analysis of these case studies will also aid in providing experience in distinguishing what works and what does not work as well as a feeling for the designs and the thoughts of the architects. In addition, these case studies, although a wide range of situations, must apply to the issues at hand with the building that will contain the proposed addition in this study. Ideas behind the approach to take may not be directly taken from the case studies but will definitely have some influence on it.

The case studies chosen are all building built after World War II. These buildings also contain additions or are additions themselves. The reasons for additions contained in these case studies range from functional needs or aesthetic reasoning to just a need for more space. The functional need refers to buildings that never really functioned as they were intended to and need an addition to resolve this problem. The aesthetic reasoning deals with buildings that were not aesthetically pleasing to view and resulted in an addition to "cover" the existing buildings. The need for more space is self explanatory as a reason for an addition. These situations as well as others are documented and summarized in a spreadsheet included as an appendix to this thesis. This spreadsheet offers a way of seeing the connections these case studies have with each other and the way they fit the criteria associated with the building that will contain the proposed addition.

Overall there are twelve buildings analyzed and they include office buildings, industrial buildings, university buildings, and institutional buildings. However, only five of these twelve buildings were analyzed to a greater depth. The five case studies chosen include institutional and university buildings. The site, context, and methods of additions are also explored in these studies. Just as important as the building and its location is its architect. Theories and concepts of architects relating to the case studies are also discussed to better understand the buildings and the additions. All these case studies deal with new technology and modern approaches that were daring at the time of their design. The fabric is dealt with in a different manner in these case studies since the buildings were not historic.



Ill. 10 Salk Institute, Central Courtyard view toward mountains
Louis I. Kahn: In The Realm of Architecture p.190

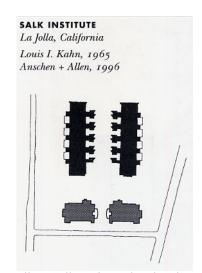


Ill. 11 Salk Institute, central courtyard view toward sea.
Louis I. Kahn: In The Realm of Architecture, p.181

Case Study: Salk Institute

Salk Institute

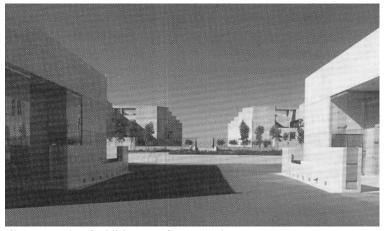
Perhaps the most important and significant building of the case studies, the Salk Institute serves as an institute for biological studies and was designed by Louis Kahn between the years of 1959 to 1965. Although the complex was never fully completed, the structures that were completed on the site embodied a unique combination of materials, views, and ideas. It consisted of two structures housing the laboratories and studies and defining a courtyard and central axis. The central axis framed a view at both ends. To the west are the



Ill. 12 Salk Institute plan showing building with additions. The Architecture of Additions, p.114

Pacific Ocean and the horizon, and to the east are the mountains and trees. The buildings are made of poured-in-place concrete with teak woodwork. "Both were provocatively detailed in a way that moved back and forth between abstraction and structural description; neither was allowed to stand in the background." The materials, the laid out spaces, and the site contribute to the success of this building.

The Salk Institute was designed as a compound with many functions. Although the entire compound was not built, the two structures that were built still functioned and proved



Ill. 13 Facade of additions on foreground. Architecture of Additions, p.115

to have a special connection to the site. The two structures on the north and south create a single central axis forming two spectacular views establishing the image and the feeling of the Salk Institute. The axis running between

the buildings not only produces these views and feelings, but also dominates the layout of the master plan and strengthens the meaning of the buildings and their relation to the site. With such a commanding plan, it would be difficult to design an addition to the plan. The remaining buildings that were not constructed were placed on other parts of the site, not interfering with this central axis. These locations would have been more appropriate for any new additions made.

In 1996, an addition was constructed to the Institute by Anschen + Allen. The additions, which are stand-alone additions, are compatible to the massing, size, scale, and architectural features of the original structures. These additions are not additions to the existing buildings, but are additions to the site of the institute. They are considered additions because the master plan was already laid out and designed as a whole. Any new structures would be seen as an addition. The institute consists of more than just the two

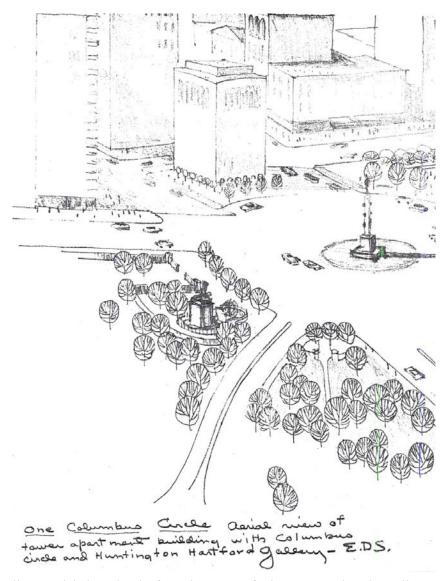


Ill. 14 Salk Institute, view toward sea. Modern Architecture Since 1900, p.127

existing structures; the landscape connects these structures and produces a whole unit. While making these additions compatible in many ways, the true meaning of the site was not recognized.

These additions distort the concept of this single axis plan of the site. The two additions, located at the ends of the two original structures but spaced apart, create a second axis and close off one view. These additions take away from the importance of the two original structures by removing the concept of the single axis created by these structures.⁴ The additions try to emphasize the central axis but unconsciously diminish it. The two new buildings, with a parking lot in front of them, do not adhere to principles that Louis Kahn was trying to communicate. Although these additions tried to repeat the look and style of the existing building, they did not capture the concept and the meaning that was formulated by the structures. The paved courtyard with the water running in the center resulted from the influence the two structures had on the site. These physical features were only part of the site and created intangible features that the additions were not compatible with.

Aside from being a different type of addition, this case study shows the importance of the building and its relation to the site. Meyerson Hall does not have this special significant axis and but does have a connection to the site, although not as strong as the Salk Institute. It was added to the master plan and gained its own reputation. This building also has intangible features that can be strengthened given the proper make over. If these features can hurt such a great building like the Salk Institute, then it can definitely improve a building like Meyerson Hall. It is these buildings that make us realize the importance of understanding every aspect of the building and can assist in addressing any type of historic preservation project dealing with any time period of construction.



Ill. 15 Aerial view Sketch of Huntington Hartford Museum. Edward Durell Stone. The Evolution of an Architect, 1962

Case Study: The Huntington Hartford Museum

The Huntington Hartford Museum, 2 Columbus Circle

This nearly windowless, white marble structure is in a prominent location in New York City with a view of Central Park and in front of a major intersection. The Venetian motifs and curved façade make this building unique and curious in its context. Designed by a prominent architect in America in 1962, Edward Durell Stone, this building was left to deteriorate by neglect in 1998 by the City of New York. The idea behind the design dealt with Stone's view that the modernist movement had

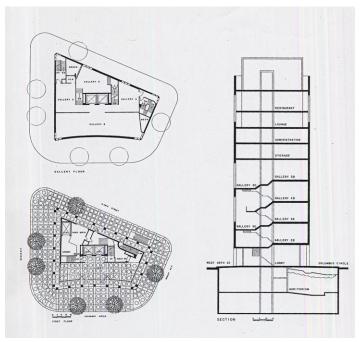


Ill. 16 Former Huntington Hartford Museum, 2 Columbus Circle, NY.2004

become exhausted and not worth pursuing anymore.⁵ The building housed the Huntington Hartford Museum for only five years. The ownership then shifted to Fairleigh Dickinson University and then in 1975 to the Gulf and Western Industries who turned it over to the city. The history of this building is sad and short.

Cursed from the beginning, this building never had a chance to survive or to function as it was intended to. The porthole windows along the sides provide air and light throughout the building and the gallery spaces were designed as landings for the elaborate stairs in the center of the building. The vertical circulation contributed to its open floor plan. The small lot size has aided in its use as a museum. Although a bit small, the building did function acceptably, but was ahead of its time in design and interpretation. People did not see the

building for what it was; they did not see the interior and its layout and effectiveness. They just saw this large nearly windowless building that was not aesthetically pleasing to look at and did not conform to other styles of architecture at that time. After five years, the owner could no longer support the financial costs of this building. Without any outside support, the owner had to give up the building.⁶



Ill. 17 Huntington Hartford Museum, first floor, gallery floor, and section of building. Edward Durell Stone, 1958. The Evolution of an Architect, p.204

Although many people agree that this is not a pretty building, they have grown accustomed to it and recognize its distinction in the area. Time has added an emotional significance to this building that makes up for the lack of understanding people have of the ideas and theories behind the building. The building in its context offers a rich diversity with its scale and materials. Most importantly, this building represents an architect's idea and interpretation. There is more to this building than meets the eye. The only problem is recognizing it. Among all the buildings in New York City, this building leaves an impression very few others do. The approach to preserving this type of strong building is

either to leave it alone or change it to another bold statement of our time. As Muschamp said in his article, "The distinction of 2 Columbus Circle is that Stone was out of step. You do not necessarily improve on such a building by replacing it with something recessive. If anything, you punch up the idea of difference,."

After seeing the proposed plans designed by Brad Cloepfil of Allied Works Architecture, Tom Wolf, who wrote a New York Times article on December 1, 2003, predicted a "what-have-we-done shock" when "one of the most important buildings in the history of the 20th century architecture" has been "vaporized." The proposed addition involves a complete overhaul and re-cladding of the building. The plans include removing the windowless façade and sheathing the skeleton with glass. 10 Since this article was written another proposal has surfaced. The proposed renovation retains such elements as size, scale, and orientation; however, the concept is not interpreted right. This proposal includes a 30-inch wide glass strip along the front façade of the building.¹¹ The building will be used as an art gallery again but will be completely changed on the inside. They alter what has made this building unique for all these years, its face. The once strong, distinct building will now be just another glass curtain wall building sitting among the rest. The unique look of the building and its location has made it an important building and worthy of preserving. Other factors, such as economic factors, have also made this building important and in danger of severe alterations. The historic fabric which has made this building significant has to be taken into account now. Although everyone does not appreciate the look of the building, the relation that the fabric has on the meaning of the building should be preserved.

Many are still questioning the significance of this building. The unappreciated appearance referred to by the public is not disputed. The building lies in a prominent location and the architecture that surrounds it speaks to a different level than style, it

represents money and power. Aside from the money and power, Meyerson Hall shares most of the same burdens that 2 Columbus Circle does. Meyerson Hall does not have a strong concept but does lie in a location surrounded by prestige and respect. Meyerson has been overlooked just like 2 Columbus Circle. These buildings represent two different approaches to the same type of architecture. A complete overhaul might be necessary for Meyerson Hall but careful consideration has been taken after learning about 2 Columbus Circle. Given the right approach, something good can result from a re-cladding and complete makeover of an historic building.



Ill. 18 View looking south to 2 Columbus Circle in the context of New York City, 2004

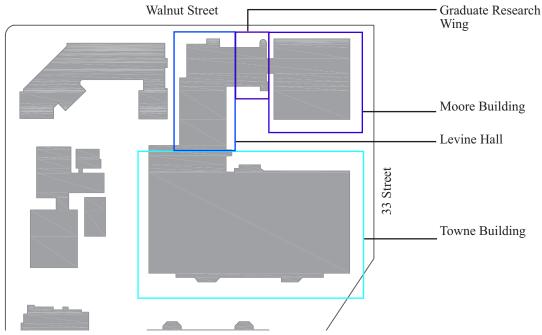


Ill. 19 Levine Hall, University of Pennsylvania West Facade, 2004

Case Study: Levine Hall

Levine Hall, University of Pennsylvania

Levine Hall, an addition made to the Graduate Research Wing in 2003, integrates the original 1966 work by Geddes, Brecher, Qualls, and Cunningham consisting of the dark, reflective glass curtain wall with new technology of steel and glass facades. The Graduate Research Wing was an addition to the Moore Building. Designed by Kieran Timberlake Associates LLP, Levine Hall is occupied by the Department of Computer and Information Science and the Weiss Tech House. Levine Hall links the Towne and Moore buildings that lie east and south of the building. The Towne building constructed in 1906 by



Ill. 20 Levine Hall, University of Pennsylvania, Site Plan, AutoCad Drawing 2004

Cope & Stewardson established the architectural character of the University's laboratory buildings and was used to train students in modern industrial practices. The Moore building, designed in 1912 by Erskin & Morris, and altered in 1926 by Paul Cret, was the birthplace of ENIAC, the world's first large scale electronic computer. ¹² These brick buildings along with Levine Hall create a new courtyard and walkway for students.

This addition to an addition links many different years of architecture and styles but also links the trend of developing and incorporating modern views of technology through engineering and architecture. Levine Hall is the first building in the United States to use a pressure equalized active curtain wall system. The architects chose to "do something that seams the existing pieces together," rather than just copy one of the styles of the surrounding buildings. The decision shows the emphasis on connecting to the idea of



Ill. 21 Moore Building, University of Pennsylvania, 2004

preserving the concept rather than the fabric. Parts of the Town Building were demolished to accommodate for this new design. This new building is now part of the history of the school and continues with the ideas and guidelines of the University of Pennsylvania.



Ill. 22 Towne Building, University of Pennsylvania, 2004



Ill. 23 Graduate Research Wing, University of Pennsylvania, 2004

Mostly comprised of glass and steel, this building provides areas of masonry to relate to the existing materials in the area. The floors are fourteen feet high and the interior is designed to be flexible for future uses. The heights of the floors make it easier

to connect to the existing buildings on both sides.¹⁴ The building is built with state of the art technology and resources. The technology is visible as soon as you enter the building into the double height lobby. The glass facades add a special feeling inside the lobby and give a sense of a school of engineering. The facades are made of "double-glazed glass units on the outside and single-glazed glass units on the inside and encased in an aluminum frame."¹⁵ This system serves to provide a glass wall that can manage heat and provide adequate transparency without glare. It is more like an atrium with gadgets all over the place. This building adds 48000 square feet of more space to the engineering school. This space consists of classrooms, a 150-seat auditorium, and lounges.¹⁶

Levine Hall, which engulfed the Graduate Research Wing, has created a distinct vocabulary and provided a benefit for the area and the students. The transparent building is in a sense open and inviting to the public and the students. The glass mitigates the loss of the views of the historic buildings but also stands strong as an accepted member of the engineering community. The concept of the building represents what the school was created for; the study and advancement in technology. This building does more than just contribute to the physical fabric of the existing buildings; it also contributes to the social and psychological aspects of the students.

Levine Hall sits on an area that was once a loading docks and garage. The building is surrounded by historical significant buildings and was derived as an addition to a building built in 1968. These situations are similar to the situations of Meyerson Hall. Aside from the fact that both buildings are less than a block away, the separate departments that occupy these buildings provide a more distant relationship. Nonetheless, the Graduate Research Wing and Meyerson Hall show that there is a need to upgrade and add to these buildings built after the Second World War. These buildings were built to fulfill the need presented at that time and were designed based on function. Now that the function needs

upgrading and the lifespan of the materials and mechanical systems reach their end, we are left with two buildings, that we know of, within the same campus that need additions. The Graduate Research Wing already got its renovation and Meyerson Hall should follow the same path.

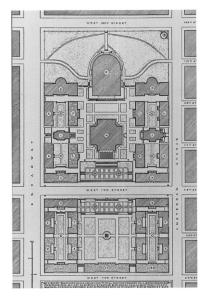


Ill. 24 Sherman Fairchild Center, West Facade, Columbia University, 2004

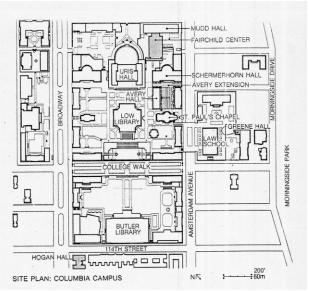
Case Study: Sherman Fairchild Center

Sherman Fairchild Center for the Life Sciences, Columbia University

The Sherman Fairchild Center for the Life Sciences was an addition made to the master plan of Columbia University originally laid out by McKim, Mead, & White. Romaldo Guirgola, of Mitchell/Guirgola Associates (MGA), designed this addition in 1977 using a contextual approach. The building was an addition to Mudd Hall and stood atop a podium. Mudd Hall was one of the buildings that Columbia University was not too proud of. The Sherman Fairchild Center served to hide this building from when looking at it from the main campus. "Beginning in the 1970s, following criticism from the architectural and popular press and from students and faculty, Columbia attempted to commission designs from more prominent architects and build more distinguished buildings." They succeeded by hiring MGA and giving Romaldo Guirgola the freedom to expand on the



Ill. 25 McKim, Mead & White's plan for Columbia University The Architecture of Additions, p.117

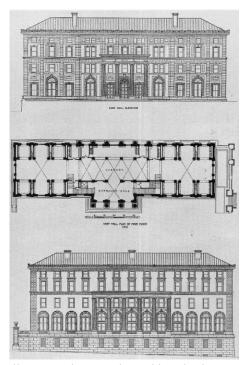


Ill. 26 Site Plan: Columbia University Campus. Progressive Architecture v.59

campus. The concept of the building was determined by the situation in which it laid. The buildings surrounding the Sherman Fairchild Center do not resemble any significance or prominence in their design. However, these buildings were home to the schools of

engineering and business. The Sherman Fairchild Center was designed to improve and set Columbia among the top in the life sciences department.

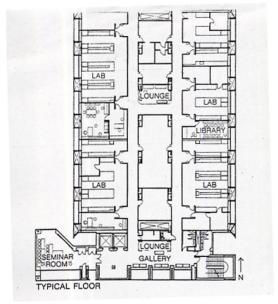
Since the building was to be placed above an existing podium, light steel framing was used and ended up being the deciding factor in the design as it tried to reaffirm the lightness that the framing expressed. The light tile paneling that functions as the exterior wall is made of terra cotta and behind it is another wall made of glass. This contributes to the control of light and glare within the building. The double panel wall adds a unique sense to The panels of the façade are all the building.



Ill. 27 McKim, Mead & White's basic academic building block for Columbia University.

The Architecture of Additions, p.117

proportioned to each other and the building. These panels are not intended to imitate any material through color or design. The layout of the tiles and the borders points out the individuality of the curtain wall and all its components.



Ill. 28 Sherman Fairchild Center, Typical Floor Plan. Progressive Architecture

Romaldo Guirgola tried to relate the plan to that of the original building blocks of McKim, Mead, & White. The proportions resulted from this and so did the axis. The proportions and the axis played and important role in the concept of the design of the new building. The double panel lightweight steel framing in conjunction with the circulation and concepts of the building generated a muchneeded new look and direction for Columbia University. "The building was transformed from a structure that exemplified the decline of the International Style (as characterized by its functional and physical obsolescence within a generation) to high-quality education environments that contribute to community life." The layout of the floor plan provided a comfortable setting to work and the circulation followed the vertical and horizontal axis. This building functions properly and reads in a clear format. The building also fits with the surrounding buildings and contributes to the scenery.

This building contributed to the campus and to the building it was attached to.

The design still stands out among the other buildings not as something extravagant, but as something different and conforming to the campus plan. It does not humiliate Mudd

Hall or any other building around it. It works well with Uris Hall and alleviates the transgression of the lower levels that cannot be seen from the main campus. "Giurgola's Sherman Fairchild Center inaugurated a new period of critical and inventive engagement with McKim's legacy and was much admired upon completion in 1977. For the first time in decades Columbia's architecture was heralded as exemplary in the architectural and daily press."19 Not long after the construction of the Sherman Fairchild Center,



41



Columbia University lapsed back into a practice of building mediocrity.²⁰ With additions like Lerner Hall and the addition to the Law School, hopefully period of critical and inventive engagement will continue.

The addition to Meyerson Hall will have to be critical and inventive to the school of design. The building does not have to be hidden and the addition does not have to be this great piece of architecture that will take notice away from Meyerson. The addition has to work with Meyerson Hall to

create a new building that is as clear and conforming as the Sherman Fairchild Center. The addition will be a result of the situations we are dealt with. The addition will also serve as an addition to the campus, but more emphasis as an addition to Meyerson. The inclusion of landscaping and vistas will link it to the campus. The Sherman Fairchild Center does make the view from the main campus more appealing.

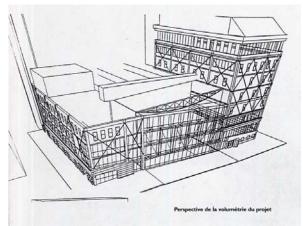


Ill. 31 View looking south at Lerner Hall in context at Columbia University, 2004

Case Study: Lerner Hall

Lerner Hall, Columbia University

Lerner Hall, designed by Bernard Tschumi, tried to incorporate the past with the present. Completed in August of 1999, a lot was expected from this building. The concept of this building dealt with contextual issues relating to the traditional Columbia buildings while also linking the planning of the original



Ill. 32 Perspective showing volume of Lerner Hall. "Bernard Tschumi/Ove Arup and Hugh Dutton/Eiffel: Students Center, Lerner Hall, Columbia University, New York" <u>Architecture d'aujourd'hui</u>. 2000 July-Aug., no.329, p.61

McKim, Mead, & White campus plan to the design. This addition to the campus appears as three buildings. The two end buildings as traditional Columbia style buildings with a contemporary design of ramps connecting them enclosed in glass. The architecture combines the Beaux-Arts era with a technological new millennium.²¹ The ramps work on a system of suspension cables and structural glazing. This new look of a glass façade connects with the more traditionally designed outer portions of the building. These outer portions of the



Ill. 33 Lerner Hall, Columbia University, 2004

building are brick and with granite bases and conform to the building model laid out by McKim, Mead, & White. The building is described as "not one building but three: a low, clumsy detailed masonry

block next to the library; the techno glass-and-steel extravaganza of the ramping atrium; and a higher but equally awkward block fronting Broadway."²² The building connects and wraps around one corner of Carman Hall and the street front facade does remain in scale and consistency with material as the other street front buildings and as McKim, Mead, & White wanted it to be, although not a complete success. Carman Hall was constructed in 1960 and serves as student housing. This building is tall and does not conform to the building types of the campus.

It is difficult to properly design a contemporary building when working in an historic area and having so many restrictions and politics governing the outcome. "The massing of this controversial stone, brick, and glass building is a bold attempt at a contemporary adaptation of McKim, Mead & White's South Field proposal." While trying to relate to the site and in keeping with the original plan of the Columbia University, Lerner Hall fails. It tries to relate to too many things and does not relate to itself or fit in with the overall site. As a whole, it does not protrude a sense of strength or confidence. A different form of architecture is

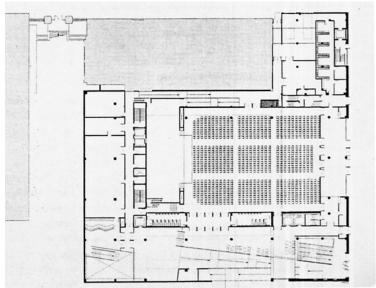
displayed. The middle section tells a different story than the outer portions. Bernard Tschumi wanted "to make a building do something, not just look like something."24 The building does do something but unfortunately it looks



Ill. 34 View looking south at Lerner Hall, 2004

like something that tried to relate to the other buildings. There are a variety of materials used and the two end sections do not compliment each other. The circulation of the ramps does not work well and the public does not like it. This addition seems as though it was looked at as a new building rather than an addition. There are no conceptual connections to Carman Hall besides providing services to the residents of the building. The connections are geared more towards the campus than the building.

A good attempt, and perhaps if the ramps were the addition to another building, then it might be viewed differently. The glass and steel portion could be seen as a bold attempt to connect historic buildings, similar to Levine Hall at the University of Pennsylvania. However, this technological wonder is lost within a building that does not work well. Its



Ill. 35 First Floor plan of Lerner Hall, "Bernard Tschumi/Ove Arup and Hugh Dutton/Eiffel: Students Center, Lerner Hall, Columbia University, New York" <u>Architecture d'aujourd'hui</u>. 2000 July-Aug., no.329, p.61

placement on the campus served to add amenities to service the students. The building contains a theater, a bookstore, cafeteria, and many other facilities. It consists of 225,000 square feet of new space. The only problem is that the ramps are out of place with the amenities provided in the building. The ramps do not enhance the amenities provided. They just work as ramps. It seems as though such a strong emphasis was placed on these ramps that they should do more.

Lerner Hall wraps around a building, Carman Hall, which was not pleasing to look at and tried to hide it and improve it. It tried too hard and the result was not good. This 1960's building is tall and awkward too, but it is that way because it has to house many students. Space is valuable in New York City and student housing is needed. More stress should have gone into addressing the vocabulary of this building. This is an example of using an addition to fix and aesthetic problem. In that respect it improves it but does not fix it. Carman Hall now sits behind Lerner Hall but is still visible because of its height. Modifications were made to Carman Hall but are overshadowed by the ramps and the composition of Lerner Hall.



Ill. 36 Lerner Hall Broadway Facade, corner wrapping around Mudd Hall. Columbia University, 2004

The addition to Meyerson has to incorporate contemporary thinking, design, and materials, but to a manner in which they are compatible to the site. The interpretation that Lerner Hall tried in relating to the existing buildings while introducing something new turned out to be its downfall. This case study serves as lesson in trying to integrate contemporary design to a historic setting. Though the dislike of the appearance of the exterior of Meyerson Hall is well known, the addition cannot seek out to hide it, but alter it. Lerner Hall was not just an addition to a building; it was an addition to the campus. It did not retain the use of the building it is connected to; it added new uses to it and added to the function and needs of the campus.



Ill. 37 Lerner Hall ramp system, Columbia University, 2004



Ill. 38 Meyerson Hall South Facade, University of Pennsylvania, 2004.

III. Meyerson Hall

III. Meyerson Hall

The building that will be added to is Meyerson Hall, a building located in the University of Pennsylvania. Constructed in 1968 by Steward, Noble, Class, and Partners, this building is home to the University Of Pennsylvania School Of Design (PennDesign) and ironically is considered one of the worst buildings on campus due to its appearance and function. The unsuccessful design has brought aesthetic and structural problems from the beginning and continues to this day. Constructed at a time when Louis Kahn was a faculty member of the architecture school, the commission went to another firm instead of him because of politics and consideration of cost and schedule. This led to the chosen firm adapting an architectural thesis and turning it into what is there today.²⁵ However, there is some influence of Louis Kahn present in the design of this building in the industrial skylights and concrete sunscreens. The concrete sunscreens as well as the way the concrete was used throughout the building also show influence of beton brut work. This was a method used by Le Corbusier in his post war buildings that consisted of bare reinforced concrete as a finished surface. Beton brut was the main ingredient in a style known as brutalism which was popular in the 1960s. These influences should play a role in the design of the addition.

The building leaks and the air circulation does not work. There are cracks along the facades and constant maintenance is required. The building is structurally sound from what can be seen but water damage is also evident. Ceilings on the fourth floor show water staining. The water has penetrated the roof sufficiently enough to reach the ceiling tiles. Fixing the leak be will harder than installing a new roof. This building was not designed for easy patchwork. The heating and cooling systems do not operate as well as to reach comfortable levels. It is either too hot or too cold, whatever the temperature is outside. The water pipes seem to work well. I have not witnessed or heard of any flooding or loss of

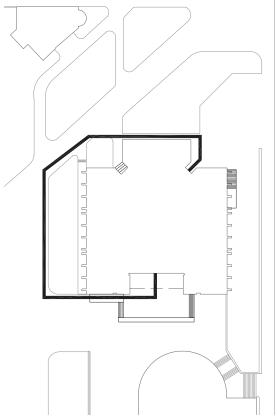
hot water. The materials embedded into this concrete building will be difficult to alter. The building is adequately maintained and upgraded. With wireless technology now available, running computer wires will not be a problem, however electrical wires still have to exist.

Aside from all the mechanical and structural problems associated with the building, the function is also a problem. The building is uncomfortable to walk around, not big enough in size, and has a very dark scheme due to lack of sunlight in most rooms and corridors. Because of its location, the sun causes the east side of the building to be very hot and the west side to be very cold. There is too much glare that enters the studios making it impossible to work. On the other hand, there are numerous classrooms without windows and without sunlight. The galleries on the first floor and the computer lab do not need sunlight, but the Historic Preservation lab on the fourth floor and all the classrooms in the basement do need sunlight. There is a sense of despair and isolation when you are in these classrooms. Because of the lack of windows and poorly operating air systems, these rooms can get very uncomfortable and annoying. The corridors in this building run in the shape of a square around the middle. Because of their location they too do not receive sunlight.

The circulation is distorted because of a last minute change to the space that was supposed to house the Institute for Contemporary Art (ICA).²⁶ The ICA was supposed to be in the center of the building with a skylight. This would have worked well for lighting and circulation purposes. However, now we are left with small corridors encased in the center of the building. The student has to walk around the building instead of through it. The layout of the spaces also poses a problem in accommodating the lower gallery and providing an adequate route though the building. The lower gallery is accessible through the front of the building. There is a ramp for ADA purposes and the space has been upgraded to a wonderful space. The ADA ramp in the front entrance only leads to the gallery. Because of the uneven floor levels, there are stairs everywhere once you enter

through the front. If you enter through the back, you have access to the entire building but not to the lower gallery. In addition, not many people walk through the lower gallery; they either go to the right or to the left. The second floor overlooks the gallery through glass panels. This causes a big square in the middle with no sunlight and way of cutting across. The third floor works well with the computing lab in the center, but the corridors are far narrower than they are anywhere else in the building and do not have any type of sunlight. The computer lab has been one of the many changes that Meyerson Hall has undergone since it was first constructed that is useful and an appropriate use of the available space. At least the second has the lower gallery to look at; the third floor just has narrow walls. The fourth floor has a square in the middle too, but not as large as the other floors. The space that is now used for presentations and pinups is right where the stairs come in. It is very odd how the stairs appear toward the middle of the floor.

The corner entries at the rear do not correlate too well with the main entrance on the other side. All the entrances are at different levels. The loading dock is located in one of the rear entrances and so is the building garbage container. The students use this entrance a lot during the day. It faces a two major streets and one of the entrances to the campus. The other entrance only serves as an exit and is not ADA accessible. This exit feels like a back door. To get to the rear door from the central front door, you have to walk around the entire building. The ADA ramps also are in completely opposite



Ill. 39 Diagram showing inconvenient path from south ADA ramp to north ADA entrance. 2004

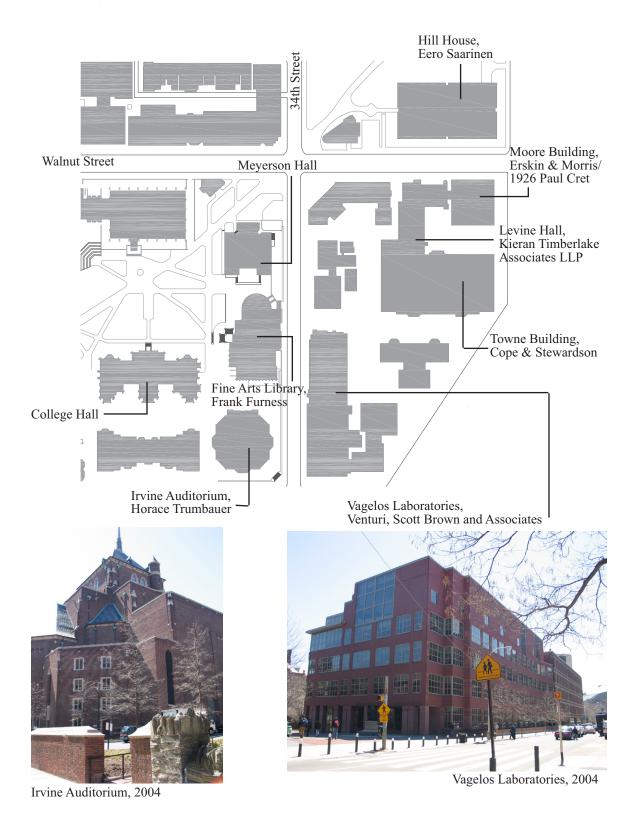
corners. There is only one way to go too as one side of the front of the building leads to stairs. The other side of the front of the building provides a view into the mechanical room. This room would be better off as a classroom.

The building is not that bad. The rear of the building has balconies. The front of the building has balconies too. The only problem with here is that only one balcony is accessible to students. The other balconies are outside of offices or labs. The third floor lounge, the only lounge in the building, contains this balcony. It provides a nice view and a good feeling. The upper and lower galleries are great places to present work. Although not that well for vocal presentations, the display quality is wonderful. Meyerson Hall also has the largest classroom in the University of Pennsylvania. Located in the basement, this classroom has comfortable seating and state of the art technology. Modified over the years, this classroom is another example of what can be changed in this building. Being in the basement, there are no windows and it is also subject to the same climate control issues.

There have been constant renovations to done to Meyerson Hall. Practically every room in the building is wired for Internet service and is now being converted to wireless Internet service. The entry area has been enhanced and brightened by the recent removal of the canopy and additions of lights and a new ceiling. The elevators have also been upgraded and fitted to the space without much damage. There are also many rooms that have been rearranged and created to meet certain needs. Cosmetic repairs are also done on a yearly basis. Meyerson Hall is an adaptable building, but space is limited. The changes that have occurred since its construction have served to keep the building up to date and have proven to fit well within the building. However, these changes have not added to the size of the building, which is what is needed now.

Meyerson Hall is more than just a building. Most of its significance lies in its location. The location is the major strength of the building. Located near the corner of a major intersection and adjacent to an open area, the possibilities of an addition are great. Significant buildings surround Meyerson Hall. To the south of Meyerson are the Fine Arts library by Frank Furness, Irvine Auditorium by Horace Trumbauer, the Vagelos Laboratories by Venturi, Scott Brown and Associates, and to the east is Hill Hall by Eero Saarinen and Associates. These are just a few of the buildings that make this location a prominent area in the entire site of the campus. Although some might think it would be more appropriate to demolish and rebuild, the feasibility behind that is nonexistent and although Meyerson has so many problems, it is a part of the history of the university and the history of PennDesign.

Ill. 40 University of Pennsylvania, Partial Plan AutoCad Drawing. Irvine Auditorium & Vagelos Laboratories, 2004



IV. Theory and Practical Application

Buildings reflect a certain time in history and in designing an addition, that time must be recognized and properly dealt with. The ideas thought of at the time of original construction might be different than the ideas people think of now. Those ideas contribute to the concept of the building and play a key role in the style of the building. According to the Secretary of the Interior's Standards for Rehabilitation, additions must be distinguishable from the original building yet compatible to it, then it is the time that provides the ideas to do this. Architects approach this by using what is available at that time. When approaching an addition, whether it is an historic building or a modern building, time can be used to determine an acceptable and compatible design even if it is different than the actual building. Time has also changed human and social values. As a basis for designing additions, these buildings can be looked at differently and valued for its meaning. I agree with Louis Kahn when he redefined the term "institution" as "the expression of a people's community of ideas, despite the contradictions of time which are reflected in everything." The buildings we area dealing with are institutions of our time.

In dealing with post World War II modern buildings, time can be a great ally. "Architecture works in four dimensions, not just three. By nature it is involved with time and change." I do not choose to elude time, but to incorporate it into the design and approach taken. As many preservation projects tend to freeze time, this project continues time and interprets it to fulfill the current state of needs and resources. Time does not serve in this purpose as a revival of some style but as variable to better fit the design with the context. Linking time together in one building incorporates history and ideas that might otherwise be overlooked or ignored. These ideas tend to focus on all that gives the building life and meaning. At the same time, the design of the addition must not be a prisoner to a style or design associated with the time it will be constructed. The building should be

looked at as a product of thoughts and its relation to time, but not be limited to just time. Although time does serve to connect these buildings and define certain terms, time does have a strong influence on architecture and must be approached with care.

In the present year of 2004, most buildings that were designed to reflect volume, structure, and function have reached historic status according to the national register of historic places. These monolithic concrete or glass buildings as well as the marvels constructed in the twentieth century have to be carefully tendered to. How can one preserve a building that focused on the idea and function rather than the appearance? While it is easy to preserve a building of Louis Kahn or Frank Lloyd Wright, whose buildings turned out to have a distinct manner, what happens to those buildings that lack this quality and lack any significance of fabric? It is easy to preserve the architectural features of historic landmarks, but the modern buildings from the 1950's might seem a bit more difficult to deal with. These buildings avoided architectural decoration and centered on the program and space. The only problem is that the program and space change with technology. Not only is technology a factor of change but also are light, air, and sound. Advances in technology are preserved, like the first curtain wall building, but not all buildings exhibit this feature. The preservation architect must look beyond the fabric and appearance of the building and look at the intangible features associated with the building when designing an addition. Those features should be comprehended and interpreted to fit into the layout of the existing building and be most compatible with the addition. The addition cannot severely alter the program as to remove any intentional concept involving these intangible features. The design must incorporate and strengthen the program even if that means altering the historic fabric. The addition will be permanently embedded into the existing building and site. In a way it will like adding another layer of skin to buildings that essentially are frame and glazing. The historic fabric might be altered but the concept remains. As modern architecture looked back at the basics of architecture, we must look

back at the ideas of these designs. These features serve to broaden and change the way preservation is used today. Preserving the meaning of the building is critical in preserving modern buildings.

All the ideas and concepts behind the building derive from the function of the building. The building was created after the use was figured out. It is then that the design can start and it is to this point that we must return. If the use of the building has not changed then it is only logical that we return to that use and re-examine the needs and ideas associated with that use. Technology has afforded us a new perspective on common uses. The new perspectives will serve as the main difference between the addition and the existing building and will also be used to connect them. Meyerson Hall is home to PennDesign. It was originally built and designed to fit this use. However, technology has forced the building to be constantly upgraded and the rise of students has initiated a need for more space. The addition must be designed to accommodate these needs. The design can be similar to the original design but interpreted to today's social and technological standards. The program will be slightly modified and improved. This improvement will force a change in the layout, circulation, and function of the building. The need for an addition results from the need to improve the function of the building.

Before we jump to the design, a critical step that we must take is to fit this addition to the site. The site is already predefined and the space allocated for the design is limited. In addition, the site contains other buildings that reflect a history of the campus and are significant architectural structures. The landscape has also been laid out accordingly and has created views and scenery that must also be treated sympathetically. This addition will be designed from the outside in and then from the inside out. Since the building is in a prominent location surrounded by distinguished buildings, the new addition cannot be

designed to overpower or humiliate these buildings. The new addition must be a product of all the architectural vocabulary that surrounds it. If the result is a new type of vocabulary, then it will fit with the many types of vocabularies of the buildings of the University of Pennsylvania. The size should be reasonable and appropriate for the space. The geometry of the building with the addition can change, but important features like symmetry and orientation should be preserved. The symmetry of the building is an important part in the concept and meaning of the building. Symmetry can be a result of the philosophy behind the building and can aid in construction methods and the layout of the interior spaces. The orientation affects the way the building is viewed by determining a front and back. It is also very important because it is part of the concept and can relate to other things like sunlight, landscaping, and other buildings. A study of the orientations of surrounding buildings and building entrances will be conducted to determine the best design for the addition and decide whether or not to alter such an important feature such as orientation. Meyerson Hall faces 34th street and Walnut Street. The main entrance however is not on any of these facades. The façade on facing Walnut Street is used as the loading dock and contains food carts. According to the University Design Guidelines, "Building entrances should be visible to those arriving on campus, and should contribute to the life and activity of streets and walks. Where buildings front on public streets, there should be public entrances and attractive, open streetscape facing the street."29 It is for this reason that changing the orientation of the building is considered and studied. A renovation has been recently done to the park diagonally across form the Meyerson Hall and must also be taken into account. The University of Pennsylvania is a historic district and any design that will harm or lessen the significance of this campus will not work properly. Once all these outside features are identified and incorporated into a preliminary design of the outside form of the building, then we can move into the inside and let the outside form be modified accordingly.

Meyerson Hall is a very important building in the University. Many students use this building on a daily basis and any new construction can cause numerous problems. The spaces and movement throughout the building have to be changed. The mechanical rooms also have to be relocated and many facilities are going to be introduced or expanded. The students and faculty of PennDesign cannot be moved to any other areas. There is not enough room in other buildings to accommodate the students or provide the resources that are necessary for the departments to operate. In order for this to work, the construction must be done in phases and carefully managed. With a preliminary outline of the new building, important spaces can be built first and house functions of the building that will allow the building to remain in operation. This will be creating a new building on the outside and then proceeding inward. As the construction moves inward, the interior spaces can be modified and adjusted to fit the new layout and design. I want to design a new building, completely separated from Meyerson Hall at first then slowly integrating them. Creating this new building from the old one is the first step in interpreting the change and need for the addition. In older historic buildings, the building had to retain its physical significance, now in these modern buildings; addition will strengthen the physical significance and change it in the process. When completed, the addition will overpower the original building but the concept will still be preserved. Meyerson Hall will live through its new outer layer and successfully meet the needs of its current inhabitants. The large industrial concrete and glass building will grow into a new school of design and hopefully stand proud alongside its current neighbors.

The intangible elements from this building will become tangible through the placement of walls and facilities. The ideas will remain the same but will have a different affect on the design of the building. Improving the circulation through the building has to create new corridors and new placement of windows and openings. The corridors and hallways of the building will be used as connecting passages to the addition and as the main

concept for the design of the interior. They will be placed in such a way as to create an easy flow of traffic from one side of the building to the other. In situations where the corridors cannot conform to the easy flow of traffic, they still have to conform to the same size and feeling of the rest. Some of the corridors are used to pin up work, posters, flyers, and some have lockers. These corridors should be wider than they are now and diminish the feeling of cramped, dark spaces. As a design school, the corridors should also be used as work areas and places of congregation where ideas can be shared between different students and departments. The conceptual skeletal feature of the building will no longer be the frame of the building but will be the corridors. Perhaps it may be possible to also shift the structural features to the corridors as well. PennDesign describes itself as "a single school, within a great university, dedicated in promoting excellence in design across a rich diversity of programs – Architecture, City Planning, Landscape Architecture, Fine Arts, Historic Preservation, Digital Media Design, and Visual Studies." The corridors are the common places within the building and can help PennDesign accomplish a more unified integration of these programs. The key to the proper integration lies within the circulations.

The lab and studio spaces, which are areas of departmental integration, have to work well with sufficient space, light, access, and movement. The same goes with the classrooms. All of these spaces will incorporate a meeting area and personal student areas. Of course these areas will be flexible space with moving walls, furniture, and wireless technology. Since I am trying to unite the different departments in order to promote this sense of a completely integrated design school, the only solution is to have the studios connected to each other in some direction. Double doors that can create a big enough opening to unite to spaces should connect them. In cases where the opening is above, stairs within the rooms connecting the studios can accomplish the integration. The studios and labs are the places where students spend most of their time. The work and social atmosphere that one experiences in these studios are tremendously valuable in creating

the right circulation. The spaces and the teaching that goes on in these spaces create the atmosphere. Just as the teaching and experience help to shape the student, they too can help in shaping the new connecting studios. The department that is directly related to the type of lab usually uses the labs, which can be used by all. To better serve their use, these labs should be closer to the studios associated with that use. The Fabrication lab houses heavy machinery. Large models can also be created in this lab. The placement of the lab on the fourth floor is, by common sense, absurd. The new fabrication lab will be placed on the ground floor with easy access to the street and more open space. In the new location, the lab can be a reference point for all studios and with its massive size and space, and can be an anchor for the new building. By removing it from the fourth floor, not only does it divert traffic and help with the circulation horizontally, but it also helps in the vertical circulation as it lightens the weight and increases the elevator space that would otherwise be used by the materials and machines transported to the fabrication lab.

There is also a need for new lounges and facilities. The new lounges need to expand on the few that exist now and reflect with the circulation of the building and location of classrooms, studios, and labs. When studying at a school of design, it is necessary to take a break and relax. The current lounge cannot support the number of students that attend PennDesign. In addition to increasing the number of lounges and their size, the lounges should also be exterior and interior spaces. These areas should be able to change depending on the outside weather. The location of lounges will be near the labs and towards the perimeter of the building. Smaller lounges, from now on referred to as meeting areas, also exists within the building. These meeting areas are places where students meet before or after class, or just on a daily routine passage around the building. Meeting areas can be created anywhere by the students along the corridors, but space also has to be allocated for these areas. Waiting areas in the departmental offices are a form of meeting areas. The range of people that these areas can hold will vary throughout the

building and their location will develop over time. These meeting areas will also affect the entrances of the building. As recognized by the school, "building entrances are frequently the meeting places, and gathering places of those using the buildings, and should be designed to encourage interaction."³¹



Ill. 41 Food Courts behind north facade of Meyerson Hall, 2004

In addition to these meeting areas, a cafeteria-like area is also proposed. The current location of food carts outside the north side of the building are situated near an important corner and in open view. The food carts are not there all day and the fact that they are movable is a good thing. However, there is no place to eat and the space taken up by these carts cause some concern. They do serve as meeting areas outside the building and also provide an important service for the students. The area proposed will contain space for the companies to sell their food indoors or within a confined area with a more appropriate reflection on the site. The companies can store some of their equipment within a closed area and overnight. If it rains or is cold, the students do not have to exit the building any

more. Seating will be provided and a lounge will be attached. When the food companies close for the day, the space remains and can be used for committee meetings, lectures, or workspace. The school supply store can also be incorporated in this space. The presence of a food court brings a sense of relaxation and togetherness. You can go, sit and eat while you talk to some friends or to other people eating. The sense created will continue to times of the day when there is no food available. The location of this area has to be close to the ground, probably on the second floor, and close to the perimeter. Easy access to this area for the venders and maintenance people should be close. Ventilation can be obtained by also incorporating interior outside spaces. Large windows and doors allowing light and air inside this area may be included.

We have a set of corridors connecting all the classrooms and the studios (which are interconnected with each other), with meeting areas along the sides ending in lounges with a cafeteria, all anchored to the fabrication lab and all within the outline of the new building. This network created provides the foundation for the building and outlines the circulation and movement throughout. Adding materials, light, windows, and students will result in a unique sense of place for the people that pass through Meyerson Hall. Although the outline is set, certain features like windows, doors, and patios, can help in altering the outline where needed and add to the open floor plan of the building. The skin of the building also has not been defined yet.

Natural sunlight and air is a big issue in the classrooms in the basement. Being able to install windows in these rooms' sounds like a great solution but must be approached with ease. Excavation around the building is necessary and so is proper reinforcement of the foundation wall. Installing windows and creating some type of light well will allow natural light and air to enter the rooms and also fix the climate control problems that also exist. These rooms are either too hot or too cold and always in opposite to the outside

temperature. The addition will be built far enough away from the basement classrooms in order to allow light to come in. Above the first floor and throughout designated areas, the addition will be connected to the existing building. Above the first floor, sunlight is a problem. The sunlight enters the studios and produces heat and glare inside. A solution to this must be part of the addition. Doors and windows in the studios and lounges will open to porches and outside spaces. At any time, I would like there to be a continuous flow of air from one side of the building to the other. Some of the porches and outside spaces will be covered to allow this to happen and to reduce glare and sunlight.

The outside appearance of the building will result in the form created by the amount of space available, the protruding spaces from within, and from the landscape. The surrounding buildings will contribute to the style, manner, and vocabulary of the building through compatible materials, orientation, and height. The University of Pennsylvania guidelines for new construction will also play a role in the outside appearance of the building as they address all these issues. To end this section, I would like to include the words use in the guidelines to reflect the architectural style.

"Buildings on the campus reflect many styles, and the essential quality of the campus is one of buildings that speak in their own voice about their purposes and the era in which they were built. It is the landscape and public spaces that integrate these buildings into a coherent whole.

New buildings should express the aesthetic ideas of our times, so that as we look back on them they also become a cultural record of ideas about architecture and campus life. Penn's finest older buildings are admired internationally for their contributions to architecture and campus design. The university should engage architects who are recognized leaders, and aspire to design each structure so it not only suits its occupants and addresses its physical and historical context, but also contributes to ways of thinking about buildings."³²

V. Conclusion

At the end, the addition must present a sense of clarity and understanding. Louis Kahn saw clarity as "the special quality which distinguishes one object from another; uniqueness, but also purpose." Everything must come together and work in harmony. All the features associated with the design must resemble a total and complete building. The addition and the building need to be seen as the design school and not as a building that serves no purpose, is not aesthetically pleasing to look at, or just a building with an addition. Adding the unique touch of the designer, this building should be ready and clear for the public. Meyerson Hall is going to be a home to the students and at the same time feel at home within the campus. Modern buildings were designed for the purpose to function. If the approach works, then the building will continue to function for the next fifty years. These buildings are not holding on to century-old traditions of material and ornamentation, they are holding on to clarity.

The integrity of the building goes beyond the physical fabric that survives that represents the time of its significance. These buildings are not judged based on any one moment in time, they are judged based on their life-long contribution to its intended use and function. The determination of integrity is based on a site-by-site analysis. Either way the integrity will be based on the authenticity of the meaning of the building rather than the physical evidence. The location and the feeling associated with the building can contribute to the integrity even if the building has been radically changed. The integrity of the building lies within the interpretation and continual use. Altering or demolishing historic fabric, in this case, does not interfere with the integrity of the building that much. The integrity lives in an almost imaginary dimension that exists.

The significance of the building will be preserved and whatever fabric can be saved will be. Some type of design feature or ornamentation will indicate places where fabric was removed. Perhaps when steel and concrete are dominated by some other type of building material then all the fabric in these buildings will be worth saving. In dealing with this Post-World War II modern building the fabric was not as significant as the concept and purpose of the building. As we crossed into a new century, intangible features of buildings play a bigger role than the fabric. We are no longer preserving the old fabric and ornamentation that barely exists; we are preserving the meaning of the building by reinterpreting the concept and purpose. Though time has made these building historic, the time in which they exist has altered the way that buildings were designed and has left us with in a place that reminds us of how important views and light and sound are. The views of the campus and the relation of Meyerson Hall to the surrounding buildings will not change. A part of the history of the University of Pennsylvania that was once leaning towards the negative side will lean the other way and the history of PennDesign will continue. The new building can serve as an example to other buildings with the same situations as well as older buildings that can benefit from the intangible rather that the tangible.

Endnotes

Introduction

- ¹ Jeff Parkes, "Towards the Fully Integrated Building: Servicing Post-War Buildings" Preserving Post-War Heritage. (England: Donhead Publishing, 2001)46
- ² Olin Partnership, *Design Projects and Review of Campus Projects*, University of Pennsylvania 2001, www.facilities.upenn.edu/uop/BldgDesignGuidelines.pdf, p.2. Viewed in March 2004. A copy of this is included in the appendix.

II. Case Studies

Case Study: Salk Institute

- ³ David B. Brownlee and David G. Delong, *Louis I. Kahn: In The Realm of Architecture* (New York: Rizzoli International Press, 1991) 100
- ⁴ Paul Spencer Byard, *Architecture of Additions* (New York: W.W. Norton & Company, 1998) 114-116. Information and illustration pertaining to the addition used from these pages to determine analysis.

Case Study: Huntington Hartford Museum, 2 Columbuc Circle

- ⁵ Tom Wolf, "Wolf admires Huntington Museum" *boston.com*. (Boston: boston.com, 12/03) (www.boston.com/ae/celebrity/articles/2003/12/01/author_wolfe_admires_huntington_museum). This information was found in this website and is a summary of the October 13, 2003 article of the New York Times. Full quote is "Stone was the most prominent architect in America, and he decided that the modernist movement in architecture in other words, the parade of glass boxes that marched across America had become exhausted, not worth pursuing anymore, "Wolfe said. "He did this as a way of saying, 'Enough is enough."
- ⁶ Tom Wolf, "The Building That Isn't There, Cont'd" *New York Times*. October 13, 2003. Information of the interior of the building, people's perception, and financial troubles taken from this article.
- ⁷ Andre Vornic, "Makeover for New York's 10-storey oddity" *BBC News*. December 8, 2003
- ⁸ Herbert Muschamp, "Critic's Notebook; A Builders Bold Spirit, Clad in Marble and Controversy" *New York Times*. November 24, 2003
- ⁹ Andre Vornic, "Makeover for New York's 10-storey oddity" *BBC News*. December 8, 2003 ¹⁰ *Ibid*.
- ¹¹ Thomas de Monchaux, "Amid Protest, Cloefil unveils new design for 2 Columbus Circle" *Architectural Record.* March 2004 vol.192: no.3 p.4

Case Study: Levine Hall

- ¹² George E. Thomas, *University of Pennsylvania* (New York: Princeton Architectural Press, 2002) 82-84. General information of the Graduate Research Wing, the Moore building, and the Towne Building, was taken from these pages.
- ¹³ John Pendergast, "A Passion for Putting Things Together" *Pennsylvania Gazette* (Pennsylvania, 2003) Vol. 102 no. 2
- ¹⁴ Jennifer Baldino Bonett, "Levine Hall: A Beautiful Symmetry" *Penn Engineering Alumni Newsletter* (Philadelphia: SEAS University of Pennsylvania, 2000) Fall 2000. <u>www.seas.upenn.edu/alumni/seasnewsF</u> 00/article2.htm viewed March 2004

¹⁵ John Pendergast, "A Passion for Putting Things Together" *Pennsylvania Gazette* (Pennsylvania, 2003) Vol. 102 no. 2

16 Ihid.

Case Study: Sherman Fairchild Center

- ¹⁷ Andrew S. Dolkart, Morningside Heights (New York: Columbia University Press, 1998)200
- ¹⁸ Charles Linn, "Educating the Masses: A Process" (Kansas State University college of Architecture, Planning and Design, 2003). The sentence was taken from a press release of an exhibit at Kansas State University from February 24 March 7, 2003. Information was found at the following website, www.arch.ksu.edu/info/events/03s-educatingmasses.htm, viewed in December 2003
- ¹⁹ "After 1968: I.M. Pei to Romaldo Guirgola" exhibition overview at Columbia University found at website www.columbia.edu/cu/wallach/overview_VIII.html, viewed in December 2003
- ²⁰ Paul Spencer Byard, *Architecture of Additions* (New York: W.W. Norton & Company, 1998) 120, 121. Information and illustration pertaining to the addition used from these pages to determine analysis.

Case Study: Lerner hall

- ²¹ Robert Campbell, "Modernism and contextualism meet at Bernard Tschumi and Gruzen Samton's Lerner Hall with provocative results" *Architectural Record* (New York: The McGraw Hill Companies, Inc, 1999) 187: 11 p.94. Information about the concept and design were taken form this article.
- ²² Philip Nobel "Textbook Example Critique" *Metropolis* (April 2000, vol.19:no.7) 58
- ²³ Andrew S. Dolkart, Morningside Heights (New York: Columbia University Press, 1998)201. This quote is footnoted by the author in the book. The original source is "For Columbia, a New \$68 Million Student Center," NYT, January 28, 1996, sec.9, p.1
- ²⁴ Robert Campbell, "Modernism and contextualism meet at Bernard Tschumi and Gruzen Samton's Lerner Hall with provocative results" *Architectural Record* (New York: The McGraw Hill Companies, Inc, 1999 vol.187: no.11) 94.

III. Meyerson Hall

²⁵ George E. Thomas, *University of Pennsylvania* (New York: Princeton Architectural Press, 2002) 42. The facts relating to construction and history were taken form this page.

²⁶ Ibid.

IV. Theory and Practical Application

- ²⁷ Romaldo Guirgola, *Louis I. Kahn* (Barcelona: Ingoprint, S.A., 1979,1994) 93
- ²⁸ William J.R. Curtis, *Modern Architecture Since 1900* (London: Phaidon Press Limited, 1997) 275
- ²⁹ Olin Partnership, *Design Projects and Review of Campus Projects*, University of Pennsylvania 2001, www.facilities.upenn.edu/uop/BldgDesignGuidelines.pdf, p.4. Viewed in March 2004. A copy of this is included in the appendix.

V. Conclusion

³⁰ University of Pennsylvania School of Design, "About Penn Design" *PennDesign* (www.design.upenn.edu/index.php) Viewed in March 2004

³¹ Olin Partnership, *Design Projects and Review of Campus Projects*, University of Pennsylvania 2001, viewed March 2004, p.4

³² *Ibid.*, p.5-6

³³ Romaldo Guirgola, *Louis I. Kahn* (Barcelona: Ingoprint, S.A., 1979,1994) 154

Appendix A: Catalogue of Case Studies Spreadsheet

	Buildings	Types	of Ad	ditions	3						
		A1	A2	А3	A4	A5	В	C1	C2	C3	C4
1	Whig Hall			Х					Х		
2	Kimbell Art Museum	Х			Х	Х		Х		Х	
3	Penn Mutual Life Insurance				Х			Х	Х		Х
4	Co. Bracken House	Х			Х				Х		Х
5	NY Merchants' Exchange					Х					
6	Uris Hall		Х	Х							
7	Museum of Contemporary Art	Х						Х		Х	
8	Salk Institute	Х			Х	Х	Х	Х		Х	
9	Huntington Hartford Museum	Х	Х		Х			Х	Х		
10	Museum Levine Hall			Х		Х					
11	Sherman Fairchild Center			Х		Х		Х		Х	
12	Lerner Hall			Х							

Types of Additions

A. Additions to:

- 1. Mid-twentieth century buildings
- 2. Buildings that never functioned as well as were intended to function
- 3. University buildings
- 4. Industrial, Commercial, and Institutional buildings
- 5. Significant buildings
- B. Stand Alone Additions*
- C. Additions that:
 - 1. Hindered or improved the function and/or appearance of the building
 - 2. Involve complete overhaul of the existing building
 - 3. Relate to the site and master plan
 - 4. Result from adaptive re-use

^{*} Please refer to "Understanding the Site" for explanation of "stand-alone additions"

Building Information

- 1. Whig Hall Interior Rebuilding by Gwathmey Siegel Associates -1974
- 2. Kimbell Art Museum Proposed Addition by Mitchell/Giurgola Associates -1989
- 3. Penn Mutual Life Insurance Company- Addition by MGA -1975
- 4. Bracken House Addition by Micheal Hopkins -1992
- 5. New York Merchants' Exchange Addition by McKim Mead & White -1910
- 6. Uris Hall, Columbia University
- 7. Museum of Contemporary Art, San Diego Venturi, Scott Brown & Associates, Inc. –1996
- 8. Salk Institute Addition by Anschen + Allen -1996
- 9. Huntington Hartford Museum Proposed Design For Renovation by Allied Works

 Architecture 2003-2004
- 10. Levine Hall, University of Pennsylvania Kieran Timberlake Associates 2003
- Sherman Fairchild Center, Columbia University Mitchell/Giurgola Associates 1977
- 12. Lerner hall, Columbia University Bernard Tschumi 1999



Design Guidelines and Review of Campus Projects

Introduction

Design Principles

Buildings that Promote Intellectual and Social Exchange
Heights of Structures
Predominant Materials
Orientation
Landscape, Streetscape and Signage
Commitment to Accessibility
Functional and Mechanical Facilities
Architectural Style
Respect for Cultural Resources
Integration of Art in Buildings
Responsible use of energy and natural resources

The Design Review Process

Role of the Trustees

The Design Review Committee and Cultural Resources Sub-Committee

The Design Review Process

Step 1: Briefing of the Architect and Design Team

Step 2: Design Framework

Step 3: Schematic Design

Step 4: Design Development and Construction Documents

Step 5: Construction

Introduction

The Penn Campus, on its West Philadelphia site, has evolved over more than a century, with each new building added in a way that expressed its particular time. As a result, there is not a single overriding building style, and many different materials may be found side by side. Nonetheless, the campus has acquired a special character: it is an "academic crossroads" where people from twelve schools and many disciplines rub shoulders and share ideas. Its character is set by the density of schools and buildings, the scale, materials, and proportions of its older structures, and the green matrix of landscape extending outward from Blanche Levy Park.

The campus development plan, prepared by the Olin Partnership and collaborators and adopted by the trustees in 2001, sets guiding principles and recommendations for future development. Each new building and site improvement project should be consistent with the plan, or carries the burden of showing how it improves upon the plan. The following document addresses the principles common to all buildings and sites within the University, while the Site Development Guidelines within the Campus Development Plan set parameters for certain suggested projects.

These basic guidelines and principles are an integral part of the campus development plan. They outline the ways that new buildings and open space should take account of neighboring structures, and serve the population intended. They also outline a design and review process that ensures that the specific surroundings and the campus as a whole are taken into account in each new building project.

Design Principles

Buildings and Spaces that Promote Intellectual and Social Exchange

The purpose of a campus is to bring together diverse people and their ideas in an environment that creates potential for intellectual and social exchange. While the physical character and quality of a campus is defined by both its buildings and its open space, it is the open space which has the greatest potential for unifying and equalizing the shared space of the campus. It can promote the sense of community derived from actively shared space, and provide for the enriching experiences of both planned and chance encounter. Comprised of streets, walkways, greens, courtyards, plazas, gardens and playfields, open space has the potential to knit together the diverse elements of the campus in a coherent way.

Individual buildings should also be designed to maximize the opportunities for social and intellectual exchange. Public spaces should be generous, provide places for conversations, and be visible to those using buildings and passing by them. Each school should have both indoor and outdoor spaces suitable for gatherings and social occasions. While there will always be pressure to maximize the proportion of dedicated spaces in buildings, their success will ultimately depend upon balancing the public and private spaces.

Heights of Structures

Buildings should be in scale with the surrounding structures, and the streets and public ways that are adjacent to them. Typically, structures should not be taller than approximately 75 feet fronting on major east-west streets (Spruce, Walnut) and approximately 50 feet fronting on pedestrian ways such as Locust Walk, Hamilton Walk or Smith Walk. If portions of the buildings must be taller, they should be set back a minimum of 15 feet from the street wall, with lower portions facing the street. On north-south streets, building heights should relate to the predominant heights of existing structures. Care should be taken not to cast shadows on open spaces or important walkways, particularly during the daylight hours of 11 am to 3 pm.

New structures should mediate the impacts of existing tall structures, by being intermediate in height, and buffering ground level walkways and open spaces from winds.

Predominant Materials

Many materials have been used on campus over the years, and to good effect. The large number of dark brown brick buildings (e.g. The Quad, Irvine Auditorium, and the University Museum) are complemented by buildings whose predominant materials are red brick (e.g. Fisher Fine Arts Library and Hayden Hall), green serpentine ashlar masonry (e.g. College and Logan Halls) and cream ashlar masonry (e.g. the Annenberg School.)

Brown brick establishes a general tenor for the campus, while complementary materials are used successfully--and in some cases dramatically--to signal the different functions and ownership of buildings and to take advantage of particular sites and other design opportunities. While there should be no hard and fast rule, the presumption is that this pattern should continue, and that dark brown brick will be the point of departure for new structures. The historic buildings utilizing this brick usually feature burned brick headers and limestone trim giving the buildings an individual richness as well as the appearance of campus accord. Architects and designers are encouraged to thoroughly explore and expand on this basic vocabulary, and to find ways to contribute to the interplay of materials and textures.

New construction need not duplicate these historical features, however consideration should be made towards achieving a similar richness through the detail and fenestration of individual facades. For example, both Hill House and the Richards Building use the dark brown brick in unique and modern expressions, while being comfortable neighbors to the surrounding historical buildings.

Future residential structures should use materials that are warm (such as brick and wood) and should be of a scale and proportion appropriate to living spaces. They should reinforce the social patterns being promoted through the system of college houses.

Commercial structures adjacent to the campus may depart from the predominant campus materials, but should be respectful in other ways (program, scale, contribution of life onto streets, etc.) to the campus, and should not overwhelm their residential or commercial neighbors.

Building Orientation

Most campus buildings are seen from perimeter streets as well as the campus interior, and lower ones from above as well, and should be designed so that they contribute to the buildings, streets, and pedestrian ways on each side.

Building entrances should be visible to those arriving on the campus, and should contribute to the life and activity of streets and walks. Where buildings front on public streets there should be public entrances and attractive, open streetscape facing the street.

Building entrances are frequently the meeting places, and gathering places of those using buildings, and should be designed to encourage interaction.

The academic activities of the University, in so far as they are compatible, should be visible to passers-by. Windows should be placed to light and provide views to internal spaces, but also to give walks and streets the security and richness that derives from the visibility of adjacent activity. Highly reflective or deeply tinted glass should not be used on the campus.

Landscape, Streetscape and Signage

Structures should be sited and designed to form lively and secure public ways, that have surveillance from occupants throughout the day and night. The object is to provide spaces that are defensible and used.

Each project should take responsibility for improving adjacent streets and pedestrian ways, by including funds in its budget to bring these up to campus standards. The campus palate of landscape materials, walkways, lighting, signage and street furniture must be used on all public spaces that are part of building projects. These elements should be used to create both active gathering and contemplative spaces, and to reinforce linkages and gateways within the campus and at its edge. Spaces that are courtyards of individual schools or buildings can depart from these guidelines to some extent, but only if it is necessary to convey special identity.

Every project should provide secure bicycle parking areas. Residential projects should provide these areas internally, where possible.

Commitment to Accessibility

The university is committed to providing equal access to all buildings for those with disabilities, and to doing so in a dignified manner. All new construction must comply with the Americans with Disabilities Act (ADA) guidelines. Renovations of historic buildings should seek to improve access for disabled persons in a manner compatible with their historic integrity.

Functional and Mechanical Facilities

Areas devoted exclusively to building loading and services, to the removal of trash, or to mechanical equipment should be designed so that their visibility from public areas, including walkways, is minimized. Rooftop mechanical equipment should be enclosed in structures that are integrated into the building design. Acoustic mitigation should be required to ensure the quality of the pedestrian environment.

Architectural Style

Buildings on the campus reflect many styles, and the essential quality of the campus is one of buildings that speak in their own voice about their purposes and the era in which they were built. It is the landscape and public spaces that integrate these buildings into a coherent whole.

New buildings should express the aesthetic ideas of our times, so that as we look back on them they also become a cultural record of ideas about architecture and campus life. Penn's finest older buildings (as examples, the Quad, the Fisher Fine Arts Library, Hayden Hall, Hill House, the Richards Memorial Research Building) are admired internationally for their contributions to architecture and campus design. The university should engage architects who are recognized leaders, and aspire to design each structure so it not only suits its occupants and addresses its physical and historical context, but also contributes to ways of thinking about buildings.

Respect for Cultural Resources

Many of the existing structures on campus have local, regional or national historic significance, and are included on the corresponding registers of historic structures. Portions of the campus are included in locally designated historic districts. An inventory of all campus buildings has been prepared by the University, outlining each structure's level of importance as a cultural resource, and the specific aspects of the buildings that deserve special protection. New buildings, or adaptations to existing structures must take this into account.

As noted below, a special subcommittee on cultural resources will review all projects that have a bearing on culturally significant buildings before moving forward to obtain city or state permits. Restoration, renovation, or additions to many buildings on campus will require review and approval by the Philadelphia Historical Commission. The responsibility of the Cultural Resources Committee goes beyond the Historical Commission and includes changes to building interiors, which the city is unable to review.

Integration of Art in Buildings

The university has a percent-for-arts policy, and each new building project should include a budget and program for works of art. These may be integral to the building (eg, murals or artistic expressions in spaces), works purchased for permanent display in particular locations, or works commissioned for the structure. Whenever possible projects should strive to create new art that advances the way we think about the world we inhabit.

Responsible Use of Energy and Natural Resources

Each project should undertake a comprehensive analysis to diminish the use of energy and reduce the use of non-renewable resources. The university intends to be a leader and champion of environmentally sensitive design, demanding innovation and creativity from our design consultants and helping to educate our community.

The university is committed to creating a campus environment that moves beyond merely sustainable, to one that actively improves the quality of life and the environment for its users. Our goals include:

- Reducing dependence on non-renewable resources by using appropriate recycled materials and by promoting adaptive reuse of existing structures
- Reducing marginal energy costs by promoting selection of locally manufactured or fabricated products and materials
- Siting new structures mindful of orientation, shading and the effect on adjacent buildings and spaces
- Using landscape design to create healthy and ecologically appropriate spaces, provide pleasant outdoor environments, reduce exterior lighting demand and minimize stormwater runoff
- Minimizing maintenance and operating costs by employing whole-systems lifecycle evaluation to determine the true project costs, and by integrating innovative daylighting and building engineering solutions at project inception
- Improving indoor environmental quality
- Adopting monitoring, measuring and feedback systems to establish baselines of energy usage and building performance, against which the university can evaluate improvements and set goals for future projects
- Maximizing building flexibility to satisfy the varied demands of current and future users and residents
- Reduce energy consumption of building and site systems (HVAC, hot water, lighting) through the use of appropriate mechanical and construction technology (natural cooling, light recovery, passive solar design, etc.)

The construction, as well as design, process should also respect these goals.

Responsible Renovation and Upgrades to Existing Buildings

It is the intent of these guidelines to encourage responsible stewardship of all existing University buildings. Each renovation project, therefore, should include an investigation of all aspects, systems and features impacted by the specific intervention. Conditions discovered during project evaluation, design or construction that are in need of improvement cannot be ignored. Even in cases where budgetary or schedule constraints necessitate only a partial remediation, any building deficiencies brought to light are to be examined and documented so that they may be addressed at a future time.

The Design Review Process

Role of the Trustees

The trustees of the University of Pennsylvania have final responsibility for reviewing and approving all building projects on the campus. Their facility planning committee reviews projects, offers constructive advice, and ultimately recommends to the full board of trustees that projects be constructed. The trustees are also advised in this decision by the president, provost and campus design review committee.

The Design Review Committee and Cultural Resources Sub-Committee

The design review committee is chaired by the dean of the Graduate School of Fine Arts, and consists of the vice president for facilities, the university architect, the university planning consultants, several faculty members who are design professionals, and outside architects drawn from the extended university community. The committee's role is to advise the president, provost, executive vice president and trustees on the merits of projects being designed for the campus. The committee meets monthly, and on special request in case of critical issues.

For art projects on campus, the design review committee may create a special subcommittee that may include faculty and administrators beyond the committee, to provide advice and guidance to the artists involved, and to recommend approval of promising projects to the appropriate deans, the president and the trustees. This subcommittee will coordinate its work with The Office of the Curator, and its Art Advisory Committee, to review proposed art project and evaluate its suitability and maintenance requirements.

The university also has a cultural resources sub-committee, was mandated by an agreement between the university, the Philadelphia Historical Commission, and the US Department of the Interior. It is charged with reviewing all projects that affect buildings of historical importance on the campus, or within designated historical districts. The sub-committee, chaired by the dean of the Graduate School of Fine Arts, includes several faculty experts on historic preservation, a representative of the provost's office and the executive director of the City of Philadelphia Historical Commission. It meets monthly, and forwards its recommendations to university officials and the trustees, and to the Philadelphia Historical Commission and/or State Historic Commission.

The Design Review Process

Step 1: Briefing of the Architect and Design Team

An information package will be provided to the design team following its selection including:

- feasibility studies done for the project prior to a capital commitment
- the campus development plan
- design guidelines (this document)
- limits and easements on the site
- infrastructure available (such as central heating and cooling lines)
- pedestrian and vehicular circulation patterns
- preferred locations of service access
- details of any other proposed projects in the immediate vicinity

At the outset of design, the design team, client representatives and user representatives will meet with the university architect and the campus design review committee to discuss the ground rules for design. This meeting will seek to identify special architectural, historical, environmental and functional considerations that will be important to ensuring that the building contributes to overall campus development objectives.

Step 2: Design Framework

Designers of campus buildings should photograph the surroundings, research the history of structures adjacent or on the site, and draw from these investigations a set of principles as to how the structure should relate to its surroundings. This may include heights or cornice lines to be respected, open spaces or walkways to be maintained, predominant materials to be used in the building so that it harmonizes with its surroundings, scale and building envelope language, and other contextual factors.

Based on this analysis, and on the issues discussed previously, the designers should prepare a "design framework", describing (at least):

- Context
- Analysis of the fit of the program and the site
- Massing and bulk possibilities
- Building "hold-to" lines
- Zones of pedestrian and service entry
- Facade expression lines
- Fenestration guide lines
- Suggested materials palettes and details
- Ground level expression, program, and relationship to adjacent open space

The design framework will typically include diagrams, storyboard, and photo examples, and will be discussed with the design review committee, the president and provost, and trustees facilities planning committee prior to or concurrent with presentation of conceptual design.

Step 3: Schematic Design

The schematic design presentation to both the campus design review committee and the trustees' facilities planning committee should include enough of a portrayal of the building in its context so that judgments can be made of its appropriateness. Typically this will include elevations with surrounding buildings shown, and renderings and models of the building in its context. Special attention should be paid to how the building will be experienced by pedestrians at ground level, how it will impact public open spaces (such as shadow and wind patterns), and how it will be seen from surrounding buildings.

Special attention should be paid to the ground level experience of pedestrians on campus or on surrounding streets. Perspectives should be shown from their eye level, and should include adjacent structures and landscape.

In order for the impact on utility infrastructure to be adequately planned for, the design team should, at this stage, provide an energy budget for each project outlining energy consumption, storage, and recovery; as well as a materials handling plan indicating anticipated solid waste generation and a strategy for site storage and collection.

Step 4: Design Development and Construction Documents

Design palettes should be discussed with the design review committee, along with design development drawings of facades and exterior details.

Responsibility for ensuring that the agreed upon design principles are respected during the course of preparing construction documents falls to the staff of the university architect and vice president for facilities and real estate services. Where significant departures are necessitated, proposals may be resubmitted to the design review committee for advice and opinions.

Step 5: Construction

Full-scale mockups of wall assemblies should be constructed on the site, so materials can be compared to adjacent structures, before final material decisions.

Works of public art will be reviewed by the design review committee or its subcommittee, and the Office of the Curator, for their compatibility with the architectural and campus context.

SPACE INVENTORY FOR RELOCATION OF GSFA INTO A NEW BUILDING

10 December 2001 Lindsay Falck Joe Moser Stacy Lutner

Existing and Proposed Future GSFA Space Inventory / Usage Schedule

NET USABLE AREAS

	rojected Totals	36,000	1,000		2,000	2,000	2,900	2,400	750	C)00′8	3,500	C)05'Z	3,700	3,000	C9S	500	2,000	2,50D	C5Z'1	C00'1	C59	2,000	1,500	90,200
	Current Totals Projected Totals	33,434	1,329		7,135	2,940	2,869	2,694	728	10,097	3,310	8,058	3,744	2,933	417	200	1,510	2,718	1,728	399	647	1,898	1,408	90,496
	Franklin	3,077	0		0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,077
	Fisher	3,676	0		0	172	0	0	0	964	0	167	214	0	0	0	102	25	0	0	647	1,898	1,408	9,273
	Duhring	1,900	0		0	0	0	674	0	0	0	3,217	343	0	0	0	O	517	0	399	0	0	0	2,050
ιn	Morgan	7,108	0		2,067	334	0	0	0	0	401	180	700	0	0	0	7.55	526	1,728	0	0	0	0	13,799
SQ. FT. AREAS	Meyerson	17,673	1,329		2,068	2,434	2,869	2,020	728	6,133	5'606	767'5	2,487	2,933	417	009	653	1,650	0	0	0	0	0	57,297
EXISTING GSFA SPACES	Space Use	Studio Spaces	2 Studio back-Up Spaces	(dirty, wet, dusty, assembly, etc)		Computing Labs		HSPV Labs	CML Labs	Classrooms	9 Lounge Areas	10 Faculty Offices	11 Dept. Administration Offices	12 Dean's Administration Offices	13 Computing Offices	14 Storage- Model/Drawing	15 General Storage and Mailroom	16 Building Services/ Toilets	17 Printmaking	18 PennPraxis Office	19 Conference Rooms	20 Architectural Archives	21 Reading/ Study Room	TOTALS:
		1	2		3	4	10	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	

Note: It is assumed that some digitally equipped classrooms in item 8 will double for digital studiowork reviews thus easing demand for reviewspaces in item 3.

138,300	Estimated Gross Total:	sing:	+ 50% for Grossing:	
92,200		rotals:	PROJECTED ?	
2,000		d Autor	"High" Lab	22
		TES	NEW FACILITI	

+ 50% for Grossing:

GRADUATE SCHOOL OF FINE ARTS UNIVERSITY OF PENNSYLVANIA

21 November 2001

SCHEDULE OF SPACE NEEDS FOR A RE-ACCOMMODATED GSFA

Assuming approximately 540/575 Students, total in all departments and programs

All floor areas listed are NET USABLE SPACES Note:

A grossing factor is applied to total net areas at the end of the schedule. Comparisons are made to similar spaces in existing GSFA buildings, where applicable, in the right hand column. Notes on increases or decreases in new allocated areas are also added for clarification, where thought necessary. Existing student numbers and space allocation are as for Spring Term 2002 (PhD students in coursework are included, those in Dissertation are not.)

STUDIO WORKSTATIONS IN DESIGN STUDIO

_:

Architecture – one, two and three year programs New total of 220 students @ 60.33 sq. ft. =12,633,00 sq. ft.

Landscape Architecture

New total of 75 students @ 66.00 sq. ft each = 4,950.00 sq. ft. (GSFA now 65 @ 63.61 sq. ft. = 4,135.00 sq. ft.)

City and Regional Planning New total of 120 students @ 40.00 sq. ft = 4,800 sq. ft. (GSFA now 118 @ 31.18 sq. ft. = 3,680.00 sq. ft.)

1.38

Historic Preservation

New Total of 25 of total of 50 students in studio @ 40.00 sq. ft. = 1,000.00 sq. ft. (GSFA now 23 of 46 @ 34.91 sq. ft. = 838.00 sq. ft.)

New total of 50 students @ 200.00 sq. ft = 10,000.00 sq. ft. (GSFA now 48 @242.25 sq. ft. = 11,628.00 sq. ft.) INDIVIDUAL FINE ARTS STUDIOS 7

Plus shared sculpture assembly area of 1,000

PhD WORKSPACES 6

New Architecture – 12 students @ 40.00 sq. ft. = 480.00 sq. ft. (GSFA now 8 @ 47.00 sq. ft. = 376.00 sq. ft.)
New City Planning – 12 students @ 40.00 sq. ft. = 480.00 sq. ft. (GSFA now 8 @ 15.00 sq. ft. = 120.00 sq. ft.)

TOTALS (items 1,2,3)

New Students - 539 students 37,230.00 sq. ft (GSFA now 499 for 33,410.00)

GRADUATE SCHOOL OF FINE ARTS UNIVERSITY OF PENNSYLVANIA		21 November 2001	r 2001	
STUDIO SPACES - ARCHITECTURE STUDENTS (All in Meyerson for Spring 2002 Term)	Room 201W 202W 203W	Areas (in sq. ft.) 1,271.00 1,248.00 1,195.00	·ft.)	Students
SUBTOTAL	201E 211E 212E	3,714,00 1,206,00 1,248,00 1,269,00 3,723,00		62 65
SUBTOTAL	310E 311E 312E	684.00 647.00 768.00 2,099.00		32
SUBTOTAL	310W 302W 303W	768.00 650.00 671.00 2,089.00		32
TOTAL	410	1,008.00		15 206
STUDIO SPACES - LARP (All in Meyerson for Spring 2002)	401W 402W	(61.32 sq. ft per student) 2,805.00 1,330.00		
TOTAL		4,135.00 (63.61 sq. ft per student)		છ

	Students	89	14	12	24	118			24	ne large meeting table.)	77	.
21 November 2001	Areas (in sq. ft.)	2010.00 (29.55 sq. ft. per student)	553.00 (20 50 og 4 mgg childan)	(37.50 sq. 11. per student) 382.00	(31.83 sq. It. per student) 735.00	(50.02 54. 11. Per suudent) 3,680.00	(31.19 sq. ft. average per student)		838	(34.9 sq. it. per student) (Room has workstations plus one large meeting table.)	00 as a	(34.9 sq. ft. per student)
	Room	Apse	RM. 406	RM 401	RM G2		(31.		RM 412			(34)
GRADUATE SCHOOL OF FINE ARTS UNIVERSITY OF PENNSYLVANIA	STUDIO SPACES - STUDIO SPACE FOR C.P.	Workshops in Fisher Fine Arts Apse	Studios - Fisher Fine Arts		Meyerson	TOTAL		STUDIO WORKSPACES HISTORIC PRESERVATION	(All in Meyerson Hall)		IATOT	

ATE SCHOOL OF FINE ARTS		
DU.	SRADUATE SCHOOL OF FINE ARTS	INIVERSITY OF PENINSYI VANIA

21 November 2001

INDIVIDUAL STUDIOS - FINE ARTS

5958.00 sq. ft. for 29 student studios (205.44 sq. ft. per student)	280.00 sq. ft. 200.00 sq. ft. 160.00 sq. ft. 180.00 sq. ft. 180.00 sq. ft. 160.00 sq. ft. 160.00 sq. ft. 160.00 sq. ft. 1,480.00 sq. ft. for 8 student studios (185.00 sq. ft. per student)	1113.00 sq. ft. for 5 student studios (222.60 sq. ft. per student)	3077.00 sq. ft. for 6 student studios (512.83 sq. ft. per student)	11,628.00 sq. ft. for 48 students (242.25 sq. ft. per student)
	D3 D4 D5 D6 D7 D9 D10	B 39	R115	
Morgan Building	Duhring Wing – 5th floor	Fisher Fine Arts	Franklin Annex (Sculpture majors)	TOTAL

Meyerson Hall - Room Usage

Morroscop U.J.									
Meyerson man	9	B1	4178	430	Classroom	Instruction	Provost		
Meyerson Hall	В	B2	2778		50-55 Classroom	Instruction	Provost		2 SP. 1 OH
Meyerson Hall	В	B3	1656	1656 100	Classroom	Instruction	Provost		2 SP. 1 OH
Meyerson Hall	В	74	199	45-50	45-50 Classroom	Instruction	Provost		2SP.1OH
Meyerson Hall	В	RS	405	15-20	405 15-20 Classroom	Instruction	Provost		1SP.1OH
Meyerson Hall	В	99 99	371	15-20	371 15-20 Classroom	Instruction	Provost		1SP, 1OH
Meyerson Hall	В	B7	409	15-20	409 15-20 Classroom	Instruction	Provost		15P.10H
Meyerson Hall	В	B13	681	45-50	45-50 Classroom	Instruction	Provost		2 SP. 1 OH
Meyerson Hall	В	B22	94		Assembly, Service	Instruction	Projection Booth		
Subtotal:			9133	10000	Classrooms				
Meyerson Hall	В	B9	72		Locker Room	Building Service	General/GSFA	Flouse Keeping	
Meyerson Hall	В	B10	48		Storage	Building Service	General/GSFA		
Meyerson Hall	В	B14	1231		Men's Toilet Room	Building Service	General/GSFA		STORAGE STORAGE COST
Meyerson Hall	В	B15	231		Women's Toilet Room	Building Service	General/GSFA	The second secon	
Meyerson Hali	0	123	121		Men's Toilet Room	Building Service	General/GSFA	Total Committee	
Meyerson Hall	0	CZ5	117		Women's Toilet Room	Building Service	General/GSFA	Land Application of the Control of t	
Meyerson Hall	0	C80	113		Women's Toilet Room	Building Service	General/GSFA		
Meyerson Hall	1	114	128		Men's Toilet Room	Building Service	General/GSFA		
Meyerson Hall	3	304	232		Men's Toilet Room	Building Service	General/GSFA		
Meyerson Hall	3	309	171		Women's Toilet Room	Building Service	General/GSFA		
Meyerson Hall	3	309A	186		Women's Toilet Room	Building Service	General/CSFA		
Subtotal:			1650		Building Services/Toilets				
Meyerson Hall	0	G15	102	Ť	Office	Office, Faculty		Lindsay Falck	
Meyerson Hall	0	G16	124		Office	Office, Factulty	Historic Preservation	Preservation Faculty Office	
Meyerson Hall	0	C17	216		Office	Office, Faculty	Architecture	Nick Temple	
Meyerson Hall	0	G19	204		Office	Office, Faculty	City Planning	Sidney Wong	
Mcyerson Hall	0	. G24	210	V	Office	Office, Faculty	LARP	John Dixon Hunt	
Meyerson Hall	0	ප	221	Ŭ	Office	Office, Faculty	City Planning	Stephen Putman	
Meyerson Hall	0	G18	210	Ŭ	Office	Office, Faculty	City Planning	Seymour Mandelbaum	
Meyerson Hall	0	C22	216	Ŭ	Office	Office, Faculty	Architecture	Branko Kolarevic	
Meyerson Hall	0	C23	204		Office	Office, Faculty	Architecture	Witold Rybezynski	
Meyerson Hall	0	G27	216	ÿ	Office	Office, Faculty	Architecture	William Braham	
Meyerson Hall	-	116	192	0	Office	Office, Faculty	Historic Preservation	David DeLong	
Meyerson Hall	1	117	192		Office	Office, Faculty	Historic Preservation	Frank Matero	
Meyerson Hall	1	120	192	J	Office	Office, Faculty	LARP	J. Corner	
Meyerson Hall	1	123	181	Ÿ	Office	Office, Faculty	City Planning	J. Keene	
Meyerson Hall	1	126	164		Office	Office, Faculty	City Planning	Gerue Birch	
Meyerson Hall	1	128	245		Office	Office, Faculty	City Planning	T. Tomazinis	
Meyerson Hall	2	204	166)	Office	Office, Faculty	Architecture	Annette Fierro	
Meyerson Hall	,	200							

Meyerson Hall - Room Usage

Meyerson Hall		181	Office	Office, Faculty	Architecture	Patricia Conway
Meyerson Hall	2 214	162	Office	Office, Faculty	Architecture	Peter McCleary
Meyerson Hall	2 215	163	Office	Office, Faculty	Architecture	Enrique Norton
Meyerson Hall	2 216	163	Office	Office, Faculty	Architecture	Ali Rahim
Meyerson Hall	2 217	181	Office	Office, Faculty	Architecture	David Leatherbarrow
Meyerson Hali	3 315	127	Office	Office, Faculty	LARP	Anita Berrizbeita
Meyerson Hall	3 316	127	Office	Office, Faculty	LARP	Dana Tomlin
Subtotal:		4621	Office, Faculty			
Meyerson Hall	0 G28	228	Office	Office, Administration	General/GSFA	Joseph Moser
Meyerson Hall	0 G29	253	Office	Office, Administration	General/GSFA	Facilities and Events
Meyerson Hall	1 101	459	Office	Office, Administration	Dean's Office	The state of the s
Meyerson Hall	1 102	473	Office	Office, Administration	Dean's Office	
Meyerson Hall	1 105	258	Office	Office, Administration	Dean's Office	
Meyerson Hall	1 106	256	Office	Office, Administration	Registrar	
Meyerson Hall	1 107	218	Office	Office, Administration	Finance Office	
Meyerson Hall	1 108	210	Office	Office, Administration	Finance Office	
Meyerson Hall	1 110	256	Office	Office, Administration	Admissions Office	
Meyerson Hall	1111	166	Office	Office, Administration	Admissions Office	
Meyerson Hall	1 112	186	Office	Office, Administration	Admissions Office	
Sublotal:	N. SERVICE	2933	Office, Dean's Admin.			
Meyerson Hall	1 118	192	Office	Office, Staff	LARP	Diane Pringle
Meyerson Hall	1 119	298	Office	Office, Academic	LARP	
Meyerson Hali	1 125	140	Office	Office, Staff	City Planning	Patti Gregory
Meyerson Hall	1 127	520	Office	Office, Academic	City Planning	
Meyerson Hall	2 207	444	Office	Office, Academic	Architecture	
Meyerson Hall	1 126A	147	Office	Office, Academic	City Planning	The state of the s
Meyerson Hall	2 208	201	Office	Office, Staff	Architecture	Betty Romanella
Meyerson Hall	2 209	229	Office	Office, Staff	Architecture	Mary O'Toole
Meyerson Hall	2 207A	189	Conference Room	General Academic	Architecture	
Subtotal		2360	Office. Academic			

Meyerson Hall - Room Usage

ומבל בניסנו נוקח	0	21.5	CET	Cilke	OHICE, Stall	5	Catny Urbonaventura	
Meyerson Hall	3	317	127	Office	Office, Staff	Computing	Greg Finnson	
Meyerson Hall	3	318	145	Office	Office, Staff	Computing	Rick Haverkamp	
Subtotal:			417	Office, Computing			- m - m - m - m - m - m - m - m - m - m	6
Meyerson Hall	0	95	305	Laboratory	Research	CML		
Meyerson Hall	0	G9	423	Laboratory	Research	CML		
Subtotal:			728	CML			The second secon	
Meyerson Hall	3	320	336	Computing Support	General Academic	General/GSFA	Production (
Meyerson Hall	8	321	761	Computing Lab	General Academic	General/GSFA		
Meyerson Hall	3	322	118	Server Room	General Academic	General/GSFA		
Meyerson Hall	3	324	381	DDRL	General Academic	General/GSFA	-	
Meyerson Hall	3	325	337	Plotters	General Academic	General/GSFA		
Meyerson Hall	8	326	250	Lab Assistant Room	General Academic	General/GSFA		
Meyerson Hall	3	323	251	Computing Support	General Academic	General/GSFA		5
Subtotal:		.es	2434	Computing				
Meyerson Hall	4	406	468	Laboratory	Instruction	Historic Preservation		
Meyerson Hall	4	407	345	Laboratory	Research/Instruction	Historic Preservation		•
Meyerson Hall	5	412	838	Laboratory	Research/ Instruction	Historic Preservation	The second secon	
Meyerson Hall	4	403	280	Office	Research/Instruction	Historic Preservation		
Meyerson Hall	4	403A	26	Toilet	Research/Instruction	Historic Preservation		
Subtotal:	53552		2020	HSPV Labs			772	· W
Meyerson Hall	4	409	1380	Laboratory	Instruction	General/GSFA	Fabrication Laboratory	e)
Meyerson Hall	4	409A	1414	Laboratory	Instruction	General/GSFA	Fabrication Laboratory	
Meyerson Hall	4	414	75	Laser Cutter		General/GSFA	Fabrication Laboratory	
Subtotal:			2869	FAB Labs			THE PROPERTY OF THE PROPERTY O	
Meyerson Hall	0	No. Oct.	2129	Lower Gallery	General Academic	General/GSFA	Review/Exhibition	
Meyerson Hall	1		1367	Upper Gallery	General Academic	General/GSFA	Review/Exhibition	
Meyerson Hali	1		912	Dean's Alley	General Academic	General/GSFA	Kevnew/Exhibition	
Meyerson Hall	4	413	099	Review	General Academic	General/GSFA	Review/Exhibition	
Subtotal:			2068	Review Spaces		770	A TIPLES	
Meyerson Hall	2	201W	1221	Studio	General Academic	Architecture		77
Meyerson Hall	2	202W	1248	62 Studio	General Academic	Architecture		
Meyerson Hall	2	203W	1195	Studio -	General Academic	Architecture		25 24
Meyerson Hall	0	CZ	753	20 Studio	Instruction	City Planning	10.22 (10.22) 10.0	
Meverson Hall	0	33	152	Smdin	Inchraction	City Diaming		600

Meyerson Hall - Room Usage

Meyerson Hall 2 211E 1248 62/66 Shudio Ceneral Academic Architecture Meyerson Hall 3 310E 648 2 Studio Instruction Architecture Meyerson Hall 3 310E 648 2 Studio Instruction Architecture Meyerson Hall 3 311E 647 2 Studio Instruction Architecture Meyerson Hall 3 310W 768 2 Studio Instruction City Planning Meyerson Hall 4 401W 2805 65 Studio Instruction City Planning Meyerson Hall 4 401W 2805 65 Studio Instruction City Planning Meyerson Hall 4 401W 2805 65 Studio Instruction City Planning Meyerson Hall 4 401W 108 41/15 Studio Instruction City Planning Meyerson Hall 1 12 40	
2 212E 1269 Studio General Academic Architecture 3 310E 644 2 Studio Instruction Architecture 3 311E 647 2 Studio Instruction Architecture 3 312E 768 2 Studio Instruction Architecture 3 312W 650 45 Studio Instruction City Planning 4 4 401W 2805 65 Studio Instruction City Planning 4 4 401W 2805 65 Studio Instruction City Planning 4 4 201W 1308 14/15 Studio Instruction City Planning 4 4 202W 1308 14/15 Studio Instruction City Planning 4 4 202W 1308 Studio Studio City Planning 5 5 Studio Studio City Planning City Planning 6	
3 310E 684 2 Studio Instruction Architecture 3 311E 647 32 Studio Instruction Architecture 3 312E 768 2 Studio Instruction Chy Planning 3 310W 768 4 Studio Instruction City Planning 4 401W 2805 65 Studio Instruction City Planning 4 401W 2805 65 Studio Instruction LARP 4 401W 1300 14/15 Studio Instruction LARP 4 401W 1300 14/15 Studio Instruction LARP 4 401W 1300 14/15 Studio Instruction LARP 5 5 Studio Instruction City Planning City Planning 6 6 5 Studio Storage Ceneral Academic City Planning 1 171 </td <td></td>	
3 311E 647 32 Studio Instruction Architecture 3 312E 768 5 Studio Instruction Clay Planting 3 310W 788 5 Studio Instruction Clay Planting 4 401W 2805 65 Studio Instruction Clay Planting 4 401W 2805 65 Studio Instruction Clay Planting 4 401W 2805 5 Studio Instruction Clay Planting 4 402W 1300 2 Studio Instruction LARP 4 402W 1300 Studio Instruction LARP 4 402W 1300 Studio Instruction Clay Planting 5 58 537 Studio Instruction Clay Planting 0 G13 200 Storage Office, Administration General/CSFA 1 109 14 49 Storage Ceneral/CSFA City Plant	
3 312E 768 - Studio Instruction Architecture 3 310W 768 - Studio Instruction Cly Planning 4 401W 2805 65 Studio Instruction Cly Planning 4 401W 2805 55 Studio Instruction Cly Planning 4 401W 2805 Studio Instruction Ceneral/CSFA 0 G13 290 Storage Ceneral/CSFA Ceneral/CSFA 1 109 14 Storage Ceneral/CSFA City Planning 1 122 115 Mall Room General/CSFA City Planning 1 140 13 Storage </td <td></td>	
3 310W 768 Evadio Instruction City Planning 3 302W 650 45 Studio Instruction City Planning 4 4 401W 2805 65 Studio Instruction CIty Planning 4 401W 2805 65 Studio Instruction CIty Planning 4 401W 2805 65 Studio Instruction CARP 4 410 1008 14/15 Studio Instruction Ceneral/CSFA 9 G13 200 Studio Spares General/CSFA Ceneral/CSFA 0 G13 200 Studio Spares Ceneral Academic Fine Arts - Graduate 0 G13 200 Storage Ceneral Academic Fine Arts - Graduate 1 109 14 Storage Ceneral Academic Fine Arts - Graduate 1 121 49 Storage General Academic City Planning 1 140 13 <td< td=""><td></td></td<>	
3 302W 650 45 Studio Instruction City Planning 4 401W 2805 67 5 Studio Instruction City Planning 4 402W 1300 5 Studio Instruction LARP 4 410 1008 14/15 Studio Instruction LARP 8 410 1008 14/15 Studio Spaces General/CSFA 9 G13 200 Studio Spaces General/CSFA 0 G14 80 Studio Spaces General/CSFA 1 109 14 Studio Spaces General/CSFA 1 109 14 Studio Spaces General/CSFA General/CSFA 1 109 14 Studge General/CSFA General/CSFA 1 140 13 Storage General/CSFA City Planning 1 140 13 Storage General/CSFA City Planning 2 118 14 Lou	
3 303W 671 Studio Instruction City Planning 4 401W 1380 65 Studio Instruction LARP 4 401W 1380 - Studio Instruction LARP 4 410 1008 14/15 Studio Spares LARP 8 88 337 Studio Spares General Academic General/GSFA 0 G13 200 Studio Spares General Academic Fine Arts - Craduate 1 109 14 Storage Coffice, Administration General/GSFA 1 109 14 Storage Bullding Service Fine Arts - Craduate 1 121 49 Storage Ceneral/GSFA City Planning 4 411 140 Storage General/GSFA City Planning 4 411 140 Storage General/GSFA City Planning 2 218 153 Lounge Studio Storage General/GSFA	
4 401W 2805 65 Studio Instruction LARP 4 402W 1330 2 Studio Instruction LARP 4 410 1088 14/15 Studio Instruction Ceneral/GSFA 8 88 537 Studio Spares General Academic General/GSFA 0 G513 200 Storage Office, Administration General/GSFA 1 109 14 80 Storage Office, Administration Fine Arts - Craduate 1 122 115 Mal Room General/GSFA City Planning 1 122 115 Storage General/GSFA City Planning 4 411 140 Storage General/GSFA City Planning 2 218 15 Lounge Studiot Storage General/GSFA 3 308 450 Lounge Studiot Services General/GSFA 8 159 Lounge Studiot Services General/GSFA	
4 402W 1330 Studio Instruction LARP 4 410 1008 14/15 Studio Spaces General/GSFA B BR 537 Studio Spaces General Academic General/GSFA 0 G513 200 Storage Office, Administration General/GSFA 1 109 14 Storage Office, Administration General/GSFA 1 121 49 Storage Colfice, Administration Fine Arts - Craduate 1 122 115 Mall Room General/GSFA General/GSFA 1 122 115 Mall Room General/GSFA General/GSFA 1 140 13 Storage General/GSFA City Planuing 4 411 140 5 Storage General/GSFA City Planuing 2 218 15 Lounge Studio Storage General/GSFA General/GSFA 3 306 450 Lounge Studio Services <	
4 410 1008 14/15 Studio Spares Instruction General/CSFA 8 B8 Studio Spares General Academic General/CSFA 0 G13 200 Storage Office al Administration General/CSFA 1 109 14 Storage Office, Administration General/CSFA 1 121 49 Storage Office, Administration Finance Office 1 122 49 Storage Ceneral Academic Finance Office 1 122 115 Mail Room Ceneral/CSFA General/CSFA 1 140 13 Storage General/CSFA City Planning 4 411 140 5 Storage General/CSFA City Planning 2 218 143 Storage General/CSFA Ceneral/CSFA 3 308 450 Lounge Studiot Services General/CSFA 8 119 Lounge Student Services General/CSFA	
B BS Studio Spaces General Academic General/GSFA 0 G13 200 Storage Office, Administration General/GSFA 1 104 80 Storage Office, Administration General/GSFA 1 109 14 Storage Centeral Academic Fine Arts - Graduate 1 121 49 Storage Office, Administration Finance Office 1 121 49 Storage Office, Administration Finance Office 1 121 49 Storage Ceneral/GSFA Historic Prescration 1 140 13 Storage General/GSFA City Planning 4 411 140 Storage General/GSFA City Planning 2 218 154 Lounge Studiot Services General/GSFA 3 308 450 Lounge Student Services General/GSFA 8 133 129 Lounge Student Services General/GSFA <t< td=""><td></td></t<>	
8 88 337 Storage General Academic General/GSFA 0 G13 200 Storage Office, Administration General/GSFA 1 109 14 Storage Office, Administration Fine Arts - Chaduate 1 121 49 Storage Office, Administration Fine Arts - Chaduate 1 122 115 Storage Bullding Service Historic Prescration 1 122 115 Mail Room General/GSFA City Planuing 4 411 140 Storage General/GSFA City Planuing 4 411 140 Storage General/GSFA City Planuing 2 218 154 Storage Studio Storage General/GSFA 3 308 450 Lounge Studio Storage General/GSFA 8 139 120 Storage Studio Storage General/GSFA 8 154 Lounge Studio Storage General/GSFA	
0 G13 200 Storage Office, Administration General/GSFA 1 109 14 Storage General Academic Fine Arts -Craduate 1 121 49 Storage General/GSFA Historic Preservation 1 122 115 Mall Room General/GSFA City Planning 1 140 3 Storage General/GSFA City Planning 4 411 140 5 Storage General/GSFA City Planning 2 218 15 Storage Studio Storage General/GSFA City Planning 2 218 15 Lounge Studio Storage General/GSFA 3 308 450 Lounge Student Services General/GSFA 8 119 Lounge Student Services General/GSFA 8 119 Lounge Student Services General/GSFA 9 200 Lounge Student Services General/GSFA 1	Equipment
0 G14 80 Storage General Academic Fine Arts - Graduate 1 109 14 Storage Office, Administration Flantec Office 1 121 49 Storage Office, Administration Flantec Office 1 122 115 Mail Room General/GSFA General/GSFA 1 140 13 Storage General/GSFA City Planting 4 411 140 5 Storage General/GSFA City Planting 2 218 154 Lounge Studio Storage General/GSFA 3 308 450 Lounge Student Services General/GSFA 8 119 Lounge Student Services General/GSFA 8 129 Lounge Student Services General/GSFA 8 119 Lounge Student Services General/GSFA	
1 109 14 Storage Office, Administration Finance Office 1 121 49 Storage Building Service Historic Preservation 1 122 115 Mail Room General/GSFA Cineral/GSFA 1 140 13 Storage General/GSFA City Planning 4 411 140 Storage Ceneral/GSFA City Planning 2 218 154 Storage/Mailroom Studio Storage General/GSFA 2 218 154 Lounge Studio Storage General/GSFA 3 308 450 Lounge Studion Services General/GSFA 8 139 Lounge Studion Services General/GSFA 8 159 Lounge Studion Services General/GSFA 8 120 Lounge Studion Services General/GSFA	Registrar
1 121 49 Storage Building Service Historic Preservation 1 122 115 Mail Room General/GSFA General/GSFA 1 140 13 Storage General/GSFA City Planning 4 411 140 Storage General/GSFA City Planning 2 218 1154 Storage/Mailroom Studio Storage General/GSFA 2 218 154 Lounge Student Services General/GSFA 3 308 450 Lounge Student Services General/GSFA 8 119 Lounge Student Services General/GSFA 8 120 Lounge Student Services General/GSFA 8 119 Lounge General/GSFA 9 120 Lounge General/GSFA	
1 122 115 Mail Room General/CSFA General/CSFA 1 140 13 Storage General/CSFA City Planning 4 4.1 140 Storage General/CSFA City Planning 4 4.1 140 Storage Studio Storage Cateral/CSFA 2 2.18 1.54 Lounge Student Services General/CSFA 3 3.08 4.50 Lounge Student Services General/CSFA 8 139 1.20 Student Services General/CSFA 8 119 Lounge Student Services General/CSFA 9 2.176 Lounge Student Services General/CSFA 8 119 Lounge Student Services General/CSFA	
1 140 13 Storage General/CSFA City Planuing 4 411 140 5 Storage General/GSFA City Planuing 2 218 154 Storage/Mailtoom Studio Storage General/GSFA 3 308 450 Lounge Student Services General/GSFA 3 333 129 Lounge Student Services General/GSFA 8 B19 2776 Lounge General Academic General/GSFA 8 B19 2776 Lounge General Academic General/GSFA	
1 141 5 Storage General/GSFA City Planning 4 411 140 Storage Groupe Studio Storage General/GSFA 2 218 154 Lounge Student Services General/GSFA 3 308 450 Lounge Student Services General/GSFA 8 B19 2176 Lounge Student Services General/GSFA 9 120 Lounge Student Services General/GSFA 12 Lounge General Academic General/GSFA	
4 411 140 Storage Studio Storage Ceneral/GSFA 2 218 1153 Storage/Mailtoom Student Services General/GSFA 3 308 450 Lounge Student Services General/GSFA 3 333 129 Lounge Student Services General/GSFA B 1776 Lounge Student Services General/GSFA B 1776 Lounge General Academic General/GSFA 2909 Lounge Areas General Academic General/GSFA	
2 218 154 Lounge Student Services General/GSFA 3 308 450 Lounge Student Services General/GSFA 3 333 129 Lounge Student Services General/GSFA B B19 2176 Lounge Student Services General/GSFA B B19 2176 Lounge General Academic Ceneral/GSFA	
2 218 154 Lounge Student Services General/CSFA 3 308 450 Lounge Student Services General/CSFA 3 333 129 Lounge Student Services General/CSFA B B19 2176 Lounge General Academic Ceneral/CSFA 2909 Lounge Areas General Academic Ceneral/CSFA	
3 308 450 Lounge Student Services General/GSFA 3 333 129 Lounge Student Services General/GSFA B B19 2776 Lounge General Academic General/GSFA 2909 Lounge Areas Lounge Areas Lounge Areas	Student Lounge
3 333 129 Lounge Student Services General/GSFA B B19 2176 Lounge General Academic Ceneral/GSFA 2909 Lounee Areas	Student Lounge
B B19 2176 Lounge General Academic Ceneral/CSFA	Student Lounge
5909	Center B Lobby Area
Meyerson Hall 4 408 1329 20 Wet Space Instruction Fine Arts - Graduate	
Subtotal: 1329 Studio/Wet Space	

94

Fisher Fine Arts Library - Room Usage

BUILDING	FLOO	FLOOR ROOM#		Capacity	SQ. FT Capacity DESCRIPTION FUNCTION	FUNCTION	DEPARTMENT	OCCUPANT	AV Equipment	Computer Por ts
Richar Rine Aste	a	74	ų		, <u></u>					
CITY DITTE TAKE	-	740	67		Janitors Closet	building Service	General/GSFA			3
Subtotal:			25		200 A		200	200		
Fisher Fine Arts	go.	25	214		Office	Office, Administration	Archives	Iulia Moore-Converse		
Subtotal:	-		214							
Fisher Fine Arts	4	405	167	1	Office	General Academic	Architecture	Joseph Rykwert		
Subtotal:		e.	167						Vinacovity Si	88
Fisher Fine Arts	ю	65	267		Conference Room	Libraries	Fine Arts Library			1
Subtotal:			267							
Fisher Fine Arts	В	25	834		Archives	Exhibition Space	Archives			
Fisher Fine Arts	മ	99	1064		Archives	Exhibition Space	Fine Arts Library			
Subtotal:			1898							
Fisher Fine Arts	8	302	380		Conference Room	General Academic	Architecture	Phd Candidates		
Fisher Fine Arts	6	303	102		Storage	General Academic	Architecture			
Fisher Fine Arts	3	306	582		Classroom	Instruction	Architecture			
Fisher Fine Arts	ю	309	172		Computing Room	General Academic	Architecture			
Fisher Fine Arts	4	401	382		Seminar Classroom	General Academic	Architecture		•	
Subtotal:			1618							
Fisher Fine Arts	В	39	1113		Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		
Fisher Fine Arts	4	414	2010	34	Studio	Instruction	Fine Arts - Graduate			
Subtotal:			3123							
Fisher Fine Arts	4	406	553	12/14	553 12/14 Studio	Instruction	Architecture	14.275 to 6		
Subtotal:			553						ř	M. Stephenson
Fisher Fine Arts	4	404	1408		Reading/ Study Room	Libraries	Fine Arts Library			
Subtotal:			1408							
TOTAL:			9273							
	9.196		A.G.	7/2 7/2	h dan dan a			3000 F		
				1000			18			1 m
										ļ
Fisher Fine Arts	4	414A	604		Studio Service	Catwalk	Fine Arts - Graduate			
Subtotal:			3							
GRAND TOTAL:			9877							

Duhring Wing - Room Usage

BUILDING	FLOOR	ROOM#	SQ. FT Capacity	acity DESCRIPTION	FUNCTION	DEPARTMENT	OCCUPANT	AV Equipment Computer Forts
Duhring Wing	2	202	92	Women's Toilet Room	Building Service	General/GSFA		
Duhring Wing	7	205	99	Men's Toilet Room	Building Service	General/GSFA		
Duhring Wing	3	303	63	Women's Toilet Room	Building Service	General/GSFA		}
Duhring Wing	3	304	16	Janitors' Closet	Building Service	General/GSFA		
Duhring Wing	3	305	29	Men's Toilet Room	Building Service	General/GSFA		
Duhring Wing	4	403	63	Women's Toilet Room	Building Service	General/GSFA		
Duhring Wing	4	404	16	Janitors' Closet	Building Service	General/GSFA		
Duhring Wing	4	405	29	Men's Toilet Room	Building Service	General/GSFA		
Duhring Wing	ις	503	77	Women's Toilet Room	Building Service	General/GSFA		
Duhring Wing	S	504	25	Janitors' Closet	Building Service	General/GSFA		
Duhring Wing	5	505	47	Men's Toilet Room	Building Service	General/GSFA		
Subtotal:			517					
Duhring Wing	В	52	219	Office	Office	General/GSFA		
Duhring Wing	4	401	124	Office	Office, Service	General/GSFA	Printer Copier Room	Section 1997
Subtotal:		22	343					
Duhring Wing	4	409	199	Office	Research	General/GSFA	Penn Praxis Offices	
Duhring Wing	4	410	200	Office	Research	General/GSFA	Penn Praxis Offices	
Subtotal:	-		399					
Duhring Wing	3	307	85	Office	Office, Faculty	Energy Mgmt.	CPLN Visiting	
Subtotal:			82		, the			
Duhring Wing	8	311	149	Office	Office, Emeritus	Art History	Malcolm Cambell	
Subtotal:			149					
Duhring Wing	3	309	186	Office	Office, Faculty	LARP	James Corner	
Duhring Wing	3	310	149	Office	Office, Faculty	LARP	Anu Mathur	
Duhring Wing	4	417	139	Office	Office, Faculty	LARP	Adjunct Office	TOTAL METERS NOT A CONTROL NOTES
Duhring Wing	3	312	186	Office	Office, Emeritus	LARP	Dan Rose	
Duhring Wing	3	313	148	Office	Office, Faculty	LARP	STORAGE	
Subtotal:			808	Andrews alternative alternativ				
Duhring Wing	3	314	147	Office	Office, Faculty	CPLN	Jonathan Barnett	
Duhring Wing	3	315	190	Office	Office, Faculty	CPLN	Roger Raufer	
Duhring Wing	3	316	146	Office	Research	CPLN	JAPAN Project	
Duhring Wing	3	317	146	Office	Office, Faculty	CPLN	Visiting	
Duhring Wing	3	318	190	Office	Office, Faculty	CPLN	Ann Strong	9 4007 0
Duhring Wing	2	212	191	Office	Office, Emeritus	CPLN	Britton Harris)
Duhring Wing	3	301	124	Office	Office, Student	CPLN	Phd Candidates	
Subtotal:			1134					

Duhring Wing - Room Usage

Duhring Wing	4	407	88	Office	Office, Faculty	Fine Arts - Graduate	Terry Adkins
Subtotal:			88				
Duhring Wing	4	411	200	Office	Office, Faculty	Architecture	Ali Malkawi
Duhring Wing	4	412	164	Office	Office, Faculty	Architecture	Adjunct Office
Duhring Wing	4	413	200	Office	Office, Faculty	Architecture	Atkin
Duhring Wing	4	414	200	Office	Office, Faculty	Architecture	Tony Atkin
Duhring Wing	4	415	202	Office	Office, Faculty	Architecture	Adjunct Office
Duhring Wing	4	416	136	Office	Office, Faculty	Architecture	Marion Weiss
Subtotal:			1102		i loris		
Duhring Wing	5	D1/D2	200	Studio	Faculty Studio	Fine Arts - Graduate	Terry Adkins
Duhring Wing	5	D3	200	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
Juhring Wing	5	D4	200	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
Juhring Wing	5	DS	160	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
Juhring Wing	S	D 6	180	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
Juhring Wing	5	D7	180	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
Juhring Wing	5	D8	160	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
Duhring Wing	5	D9	160	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
Juhring Wing	5	D10	160	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
Juhring Wing	В	51	674	Studio	Research	General/GSFA	
Sechston							

TOTAL: 7199

97

Morgan Building - Room Usage

BUILDING	FLOOR	FLOOR ROOM#	SQ. FT Cap	SQ. FT Capacity DESCRIPTION	FUNCTION	DEPARTMENT	OCCUPANT	AV Equipment	Computer Ports
Morgan Building	2	210	401	Lounge	Ceneral Academic	Birno Awter Candessee	1 1 2		}
Subtotal:			403	I Ottaba	October Marchine	rue Aris - Graduate	As Assigned	material Inc.	ì
Morean Building	,	000	100	aginori					į
Movem building	۱,	700	7,00	Women's Tollet	Building Service	General/GSFA			
Binning medical	c i	202	100	Men's Tollet	Building Service	General/GSFA			
Morgan Building	œ	B1	192	Toilet	Building Service	General/GSFA			
Morgan Building	n	B2	84	Toilet	Building Service	General/GSFA			
Subtotal:	20100		476	Toilet Rooms					
Morgan Building	7	205A	25	Sink Clean Up Area	Instruction	Fine Arts - Graduate			
Morgan Building	п	101	400	Entrance/Gallery	Instruction	Fine Arts - Graduate			
Morgan Building	3	302A	25	Sink Clean Up Area	Instruction	Fine Arts - Graduate			
Subtotal:			450	Gallery					
Morgan Building	3	M30	180	Office	Office, Faculty	Fine Arts - Graduate	Adjunct Office		
Subtotal:			180	Office, Faculty			The state of the s		
Morgan Building	1	100	200	Office	Academic Administration	Fine Arts - Graduate	Fine Arts		
Subtotal:			700	Office, Acedemic					
Morgan Building	В	B7	200	Studio	Instruction	Fine Arts - Graduate			
Morgan Building	1	101	550	Studio	Instruction	Fine Arts - Graduate			
Morgan Building	က	301	400	Studio	Instruction	Fine Arts - Graduate	As Assigned		100 X
Morgan Building	1	M1	256	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned	-	
Morgan Building	1	M2	180	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		
Morgan Building	1	M3	180	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		
Morgan Building	-	M4	180	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		
Morgan Building	1	MS	180	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned)
Morgan Building	1	M6	200	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		
Morgan Building	2	M7	180	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		}
Morgan Building	2 1	Mß	220	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		
Morgan Building	2 1	M9	180	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		
Morgan Building	2	M10	180	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		
Morgan Building	2	M11	200	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		
Morgan Building	2 P	M12	182	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		
Morgan Building	2 1	M13	200	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		
Morgan Building	2 1	M14	200	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		
Morgan Building	2 }	M15	200	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		
Morgan Building	2 P	M16	200	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		- Contraction
Morgan Building	2 1	M17	200	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		}
Morgan Building	2 N	M18	230	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		
Morgan Building	3	M19	300	Shadio	Graduate Studio	Fine Arts - Graduate	As Assigned	27 27 28 28	
Morgan Building		M20	150	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		}
Morgan Building	3 >>	M21	150	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned		

Morgan Building - Room Usage

Morgan Building 3 M22 300 Studio Graduate Studio Fine Arts - Graduate Ast Assigned Morgan Building 3 M23 180 Studio Graduate Studio Fine Arts - Graduate As Assigned Morgan Building 3 M23 250 Studio Graduate Studio Fine Arts - Graduate As Assigned Morgan Building 3 M25 220 Studio Graduate Studio Fine Arts - Graduate As Assigned Morgan Building 3 M29 200 Studio Graduate Studio Fine Arts - Graduate As Assigned Morgan Building 3 M29 200 Studio Graduate Studio Fine Arts - Graduate As Assigned Morgan Building 3 M29 200 Studio Graduate Studio Fine Arts - Graduate As Assigned Morgan Building 4 Assigned As Assigned As Assigned Assigned Morgan Building 1 Mark Review General Academic Fine Arts - Graduate As Assigned<								
3 M23 189 Studio Graduate Studio Fine Aris Graduate 3 M24 230 Studio Graduate Studio Fine Aris Graduate 3 M25 260 Studio Graduate Studio Fine Aris - Graduate 3 M27 220 Studio Graduate Studio Fine Aris - Graduate 3 M27 220 Studio Graduate Studio Fine Aris - Graduate 4 M28 Studio Graduate Studio Fine Aris - Graduate 5 Hall 319 Review General Academic Fine Aris - Graduate 1 White Ru 83 Review General Academic Fine Aris - Graduate 8 B 11 578 Printmaking General Academic Fine Aris - Graduate 8 B 12 459 Printmaking Academic Fine Aris - Graduate 9 B 12 459 Printmaking Academic Fine Aris - Graduate 1 White Ru 578 Printmaking Academic Fine Aris - Graduate <	Morgan Building	3	M22	300	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
3 M24 250 Studio Graduate Studio Fine Arts - Graduate 3 M25 260 Studio Graduate Studio Fine Arts - Graduate 3 M26 200 Studio Graduate Studio Fine Arts - Graduate 3 M28 200 D Studio Graduate Studio Fine Arts - Graduate 3 M28 200 Studio Graduate Studio Fine Arts - Graduate 4 M29 200 Studio Graduate Studio Fine Arts - Graduate 5 Hall 319 Review General Academic Fine Arts - Graduate 1 White Rm 830 Review General Academic Fine Arts - Graduate 8 B 11 578 Printmaking General Academic Fine Arts - Graduate 8 B 11 578 Printmaking General Academic Fine Arts - Graduate B B 12 528 Printmaking General Academic Fine Arts - Graduate B B 13 163 Actil Room General Academic Fine Arts - Graduate B B 2 334 Computing Lab General Academi	Morgan Building	3	M23	180	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
3 M25 260 Studio Graduate Studio Fine Arts - Graduate 3 M26 200 Studio Graduate Studio Fine Arts - Graduate 3 M27 220 D Studio Graduate Studio Fine Arts - Graduate 3 M29 200 Studio Graduate Studio Fine Arts - Graduate 2 Hall 319 Review General Academic Fine Arts - Graduate 3 Hall 518 Review General Academic Fine Arts - Graduate 4 Hall 518 Review General Academic Fine Arts - Graduate 5 Hall 518 Review General Academic Fine Arts - Graduate 8 B S1 528 Printmaking General Academic Fine Arts - Graduate B B14 528 Printmaking General Academic Fine Arts - Graduate B B3 334 Computing Lab General Academic Fine Arts - Graduate B B7A 375 Storage Storage Fine Arts - Graduate	Morgan Building	3	M24	250	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
3 M25 200 Studio Graduate Studio Fine Arts - Graduate 3 M27 220 Studio Graduate Studio Fine Arts - Graduate 3 M28 200 D Studio Graduate Studio Fine Arts - Graduate 2 Hall 319 Review General Academic Fine Arts - Graduate 3 Hall 319 Review General Academic Fine Arts - Graduate 4 White Ru 830 Review General Academic Fine Arts - Graduate 8 511 S78 Printmaking General Academic Fine Arts - Graduate 8 512 Review General Academic Fine Arts - Graduate 8 511 578 Printmaking General Academic Fine Arts - Graduate 8 11 578 Printmaking Academic Fine Arts - Graduate 8 11 Acid Room General Academic Fine Arts - Graduate 9 11 Acid Room General Academic Fine Arts - Gra	Morgan Building	3	M25	260	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
3 M27 226 Studio Graduate Studio Fine Arts - Graduate 3 M28 200 D Studio Graduate Studio Fine Arts - Graduate 2 Hall 319 Review General Academic Fine Arts - Graduate 1 White Ru 833 Review General Academic Fine Arts - Graduate 8 1 White Ru 833 Frainmaking General Academic Fine Arts - Graduate 8 811 578 Frainmaking General Academic Fine Arts - Graduate 8 814 578 Frainmaking General Academic Fine Arts - Graduate 8 814 578 Frainmaking Academic Fine Arts - Graduate 9 813 163 Acid Room General Academic Fine Arts - Graduate 1 Mine Ru 578 Frainmaking Academic Fine Arts - Graduate 1 1728 Acid Room General Academic Fine Arts - Graduate 1 834 Computing Lab Gene	Morgan Building	3	M26	200	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
3 M.29 200 D Studio Graduate Studio Fine Arts - Graduate 2 Hall 310 Studio Graduate Studio Fine Arts - Graduate 3 Hall 319 Review General Academic Fine Arts - Graduate 1 White Run 833 Review General Academic Fine Arts - Graduate 8 11 Sys Printmaking General Academic Fine Arts - Graduate 8 12 459 Printmaking General Academic Fine Arts - Graduate 8 B14 528 Printmaking/Acid room General Academic Fine Arts - Graduate 8 B13 163 Acti Room General Academic Fine Arts - Graduate 8 B13 163 Acti Room General Academic Fine Arts - Graduate 8 B3 334 Computing Lab General Academic Fine Arts - Graduate 8 B5 380 Storage Fine Arts - Graduate 8 B7A Storage	Morgan Building	3	M27	220	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
3 M.29 200 Studio Graduate Studio Fine Arts - Graduate 2 Hall 319 Review General Academic Fine Arts - Graduate 1 White Rin 830 Review General Academic Fine Arts - Graduate 1 White Rin 830 Review General Academic Fine Arts - Graduate 8 B.11 578 Printmaking General Academic Fine Arts - Graduate 8 B.12 459 Printmaking General Academic Fine Arts - Graduate 9 B.13 163 Actil Room General Academic Fine Arts - Graduate 9 B.13 163 Actil Room General Academic Fine Arts - Graduate 1 Actil Room General Academic Fine Arts - Graduate 1 Actil Room General Academic Fine Arts - Graduate 1 Actil Room General Academic Fine Arts - Graduate 1 Actil Room General Academic Fine Arts - Graduate 2 Computing	Morgan Building	3	M28	200		Graduate Studio	Fine Arts - Graduate	As Assigned
2 Hall Studio General Academic Fine Arts - Graduate 3 Hall 518 Review General Academic Fine Arts - Graduate 1 White Rm 831 Review General Academic Fine Arts - Graduate B 511 S78 Printmaking General Academic Fine Arts - Graduate B 512 459 Printmaking General Academic Fine Arts - Graduate B B14 528 Printmaking General Academic Fine Arts - Graduate B B13 163 Acid Room General Academic Fine Arts - Graduate B B3 334 Computing Lab General Academic Fine Arts - Graduate B B5 334 Computing Lab General Academic Fine Arts - Graduate B B7A 375 Storage Storage Storage	Morgan Building	33	M29	200	Studio	Graduate Studio	Fine Arts - Graduate	As Assigned
2 Hall 319 Review General Academic 3 Hall 518 Review General Academic 1 White Ran 830 Review General Academic B 511 578 Printmaking General Academic B 512 459 Printmaking General Academic B 814 528 Printmaking General Academic B 813 163 Actif Room General Academic B 83 334 Computing Lab General Academic B 85 334 Computing Lab General Academic B 85 334 Computing Lab General Academic B 87A 375 Storage Storage B 87A 375 Storage	Subtotal;			7108	Studio			
3 Hall 518 Review General Academic 1 White Run 880 Review General Academic 8 11 1667 Review General Academic 8 112 459 Printmaking General Academic 8 112 459 Printmaking General Academic 9 113 Acid Room General Academic 1 1728 Printmaking Acid room General Academic 1 1728 Printmaking Acid room General Academic 1 1728 Printmaking Lab General Academic 1 334 Computing Lab General Academic 1 375 Storage Storage 1 375 Storage Storage	Morgan Building	7	Hall	319	Review	General Academic	Fine Arts - Graduate	
1 White Rm 830 Review General Academic B B11 578 Printmaking General Academic B B12 459 Printmaking General Academic B B13 163 Printmaking General Academic B B13 163 Acid Room General Academic B B3 334 Computing Lab General Academic B B5 384 Computing Lab General Academic B B5 380 Storage B B7A 375 Storage	Morgan Building	6	Hail	518	Keview	General Academic	Fine Arts - Graduate	
1667 Review Review Review Review Review Printmaking General Academic Review Review	Morgan Building	1	White Rm	830	Review	General Academic	Fine Arts - Graduate	
B 511 578 Printmaking General Academic B B12 459 Printmaking General Academic B B14 528 Printmaking General Academic B B13 163 Acid Room General Academic B B3 334 Computing Lab General Academic B B5 380 Computing Lab General Academic B B7A 375 Storage Storage B B7A 375 Storage	Subtotal:			1667	Review			Vision in the second se
B 31.2 459 Pratmasking General Academic B B14 528 Prámnasking General Academic B B13 163 Acid Room General Academic B B3 334 Computing Lab General Academic B B5 384 Computing Lab General Academic B B7A 375 Storage B B7A 375 Storage	Morgan Building	В	B11	878	Printmaking	General Academic	Fine Arts - Graduate	The state of the s
B B14 528 Printmaking General Academic B B13 163 Acil Room General Academic B B3 Printmaking/Acid room Academic B B34 Computing Lab General Academic B B5 384 Computing Lab B B5 380 Storage B B7A 375 Storage	Morgan Building	8	B12	429	Printmaking	General Academic	Fine Arts - Graduate	
B B13 163 Acid Room General Academic B B3 734 Printmaking/Acid room B B34 Computing Lab General Academic B B5 386 Storage B B7A 375 Storage B B7A 375 Storage	Morgan Building	-	B14	528	Printmaking	General Academic	Fine Arts - Graduate	
1728	Morgan Building	9	B13	163	 Acid Room	General Academic	Fine Arts - Graduate	The state of the s
B B3 334 Computing Lab General Academic B B5 380 Starage B B7A 375 Storage B S7 375 Storage	Subtotal:			1728	Printmaking/Acid roon	_		
334 B B5 380 B B7A 375	Morgan Building	В	B3	334	Computing Lab	General Academic	Fine Arts - Graduate	
B B7A 375	Subtotal:			334	Computing Lab			
B B7A 375	Morgan Building	m	BS	380	Storage			
755	Morgan Building	В	B7A	375	Storage			
	Subtotal:			755	Storage			-

AL: 13799

115 Franklin Annex - Room Usage

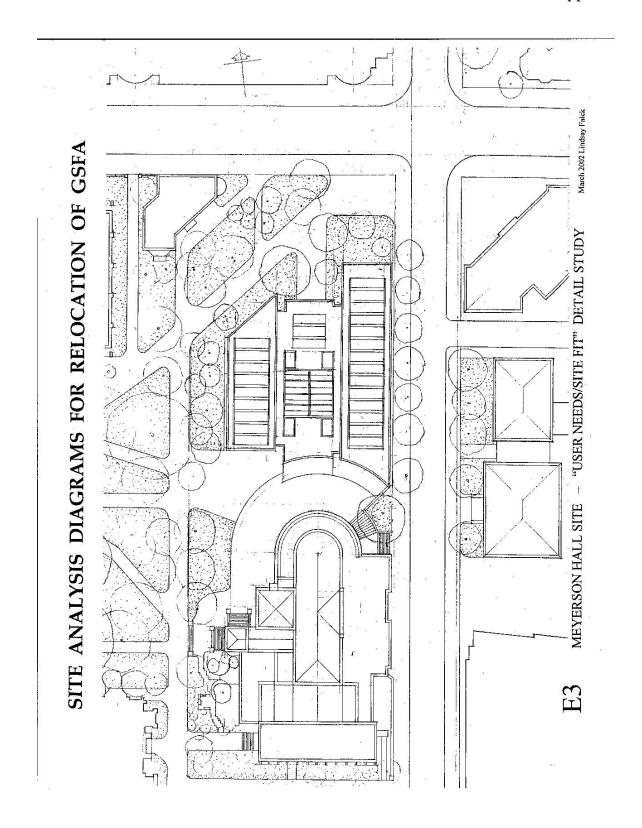
BUILDING	FLOOR	FLOOR ROOM#	SQ. FT	Capacity	DESCRIPTION	OF FUNCTION	DEPARTMENT	OCCUPANT	AV Equipment	Computer Ports
Franklin Annex	1	115	3077	3 5005	Studio	Graduate Studio	Sculpture	Sculpture Students		
TOTAL:			3077							es

Faculty Office Use - By Department

0 GS 221 1 102 PM P P P P P P P P P P P P P P P P P P	Office Office, Eaculy His Office, Eaculy His Office, Eaculy His Office, Eaculy Office, Eaculy His Office, Eaculy His Office, Eaculy Office, Eaculy Office, Eaculy Office, Eaculy His	City Planning Lite City Plann	Sephen Putman Sephen Wandelbaum Sidney Wong J. Keene Genie Birrh T. Toonzachis Joundan Barnett Roger Raufer JAPAN Project Vischag Ann Shrop Bhadon Harris Phad Carolidades CPLN Visching Phad Name Phad Phad Phad Phad Phad Phad Phad Phad
1	6	City Panning City Planning Sistoric Preservation sistoric Preservation sistoric Preservation LARP LARP	Seymour Mandelbaum Skidey Wong J. Keene Cenie Birch T. Tomazinis Page Raufer Pages Raufer JAPAN Tropest Visiting Ann Shrop Britton Harris Plat Candidates CPLA Visiting Preservation Faculty Office David DeLong: Frank Matern
1	0	City Phaning City	Sidney Wong J. Keene Genis Birth T. Tomazinis Jonathan Barnett Roger Raufor JAPAN Project Visiting Arm Strong Britton Harris Plad Cardicklase CPLAN Visiting Preservation Faculty Office David DeLong Frank Matero John Dixon Hunk
1	6	City Planning Ci	J. Keene Genie Birth T. Tomazinis Jouanainis Jouanainis Jouene Burett Reger Ruder JAPAN Project Visiting Ann Shroig Rhiton Harrig Phal Candidates CPLAN Visiting Phal Candidates CPLAN Visiting Phactorial College Phal Charle
1	6	City Planning City Company City	Cenic Birth T. Tomazinis Jossiban Barnett Roger Raufer JAPAN Project Visiting Ann Shrong Betton Harris Phd Cardoldales CPLA Visiting Preservation Faculty Office David DeLong French Matero Fronth Matero John Dixon Hunt
1	6	City Planning Lick Reservation Sidoric Preservation Lick Reservation Lick Reportation City Reservation	T. Tomazinis Journalina Barnett Roger Raufor Fakufor Victing Victing Arm Strong Balton Harris Phal Canoldales CPLN Victing Preservation Faculty Office David DeLong Frank Matero Frank Matero John Dixon Hunk
3 314 147 8 3 315 149 8 3 315 149 8 3 317 149 8 3 317 149 9 3 318 179 1 1 119 179 1 1 119 189 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6	Chy Planning Silving Silv	Southan Barnett Roger Raufer JAPAN Project Vicinia Ann Shrope Bention Harris Pleaservation Facility Office David DeLong Freast Matero Frank Matero John Dixon Harris John Dixon Harris
3 315 190 5 3 316 146 5 3 317 146 5 3 318 146 6 3 318 179 7 2444 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6	City Panning City Planning City Company City City City City City City City City	Roger Raufer JAPAN Project Visiting Ann Shrong Britan Harris Phd Carolidates Phd Carolidates CPLAN Visiting Preservation Faculty Office David DeLong Fenth Matero John Dixon Hunt
3 316 146 3 3 317 146 3 3 317 146 3 3 317 146 3 3 317 146 4 4 457 286 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6	City Panning City Panning City Planning City Planning City Planning City Planning Florely Florely Florely Florely Florely LARP LARP LARP	JARAN Project Victing Ann Shrup Balton Harris Plad Carolidates CPLAN Victing Preservation Faculty Office David DeLong Frank Matero John Dixon Hunk
3 3 317 146 2 2 712 191 3 3 31 146 3 3 317 146 4 4 403 239 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 146 1 1 10 10 116 1 1 10 10 116 1 1 10 10 116 1 1 10 10 116 1 1 10 10 116 1 1 10 10 116 1 1 10 10 116 1 1 10 10 116 1 1 10 10 116 1 1 10 116 1 1 10 116 1 1 10 116 1 1 10 116 1 1 10 116 1 1 10 116 1 1 10 116 1 1 10 116 1 1 10 116 1 1 10 116 1 1 10 116 1 1 10 116 1 1 10 116 1 1 10 116 1 1 10 116 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6	Chy Planning Chy Planning Chy Planning Chy Planning Energy Mgnil. Storic Preservation Storic Preservation Isloric Preservation Isloric Preservation LARP	Aur Strong Aur Strong Britton Harris Plet Candidates CPLN Visiting Preservation Facility Office David DeLong Frank Marere John Dixon Hunt
2 7 123 1940 3 8 107 1941 1 1 116 1124 4 4 403	6	City Planning City Planning City Planning Energy Mgmt. Storic Preservation storic Preservation storic Preservation storic Preservation LARP LARP	Ann Shroig Betton Harris Plud Candulates CPLEN Visiting Preservation Faculty Office David DeLong French Matero John Dixon Hunt
2 2 712 191 191 191 191 191 191 191 191 191 1	6	City Planning City Planning Energy Mgmt Energy Mgmt istoric Preservation istoric Preservation istoric Preservation LARP LARP	Plad Carolidates CPLA Visiting Preservation Faculty Office David DeLong Frank Matero John Dixon Hunt
3 30 1124 2444 1 1 116 1 1 116 1 1 117 1 1 1 1		City Planning Energy Mgint. Storic Preservation Storic Preservation Storic Preservation Ethoric Preservation LARP LARP	PHA Carolichaes CPLA Visiting Preservation Exculty Office David DeLong: Frank Matero John Dixon Hunt
2 5 500 C C C C C C C C C C C C C C C C C	0	Energy Mgmt. Storic Preservation storic Preservation storic Preservation Edar Preservation LARP LARP	CPLN Visiting Preservation Faculty Office David DeLong: Frank Materic John Dixon Hunt
1 0 Glb 2444 1 11 11 11 11 11 11		istoric Preservation istoric Preservation istoric Preservation istoric Preservation istoric Preservation LARP LARP	Preservation Faculty Office David DeLong Frank Matero Food Discon Hunt
1 116 124 124 124 125 125 125 125 125 125 125 125 125 125		istoric Preservation istoric Preservation istoric Preservation istoric Preservation LARP LARP	Preservation Faculty Office David DeLong Frank Matero John Dixon Hunt
1 110 192 1 4 403 289 1 4 405 89 1 1 10 192 1 1 10 192 1 3 315 117 2 3 316 117 3 3 316 117 3 3 316 117 3 3 316 117 3 3 316 117 4 4 47 119 0 GG7 216 0 GG7 21		istoric Preservation istoric Preservation istoric Preservation istoric Preservation LARP LARP	David DeLong- Frank Matero John Dixon Hunt
1 4 407 192 192 193 193 193 193 193 193 193 193 193 193		istoric Preservation istoric Preservation istoric Preservation LARP LARP	Frank Matero Frank Matero John Dixon Hunt
4 403 380 1 1 120 8 20 3 3 315 117 3 3 316 117 4 4 412 200 4 6 413 200 4 4 413 200 4 4 413 200 4 4 413 200 4 4 413 200		istoric Preservation Istoric Preservation LARP LARP	John Dixon Hunt
9 40.0 A 93 B 10.0 A 94.0 A 94		Istoric Preservation LARP LARP	John Dixon Hunt
0 G24 200 3 3 315 1177 3 3 316 1177 3 3 316 1177 4 417 1139 1 4 417 1139 1 644 0 G72 216 0 G72 216 0 G72 216 0 G72 216 1 22 216 1 23 200 1 3 313 1 4 4 411 200 4 4 413 200 4 4 413 200	L per Office in HSPV; 169.4 Office, Faculty	LARP	John Dixon Hunt
1 170 170 170 170 170 170 170 170 170 17	Office, Faculty	LARP	John Dixon Hunt
3 316 177 178 188 188 189 189 189 189 189 189 189 18		LARP	
3 310 127 3 310 188 3 310 188 3 310 188 3 310 188 3 311 188 3 312 188 3 312 188 3 313 188 3 313 188 3 313 188 4 4 71 180 4 4 413 200 4 4 414 200	Office, Faculty		Comer
3 3 30 18 18 5 18 6 18 6 18 6 18 6 18 6 18 6 1	Office, Faculty	TWI.	Anita Berrizbeita
3 310 149 4 417 1199 3 318 116 0 GG2 216 0 GG7 216 0 GG7 216 2 2 217 1199 2 2 217 1199 4 411 200 4 414 200	Office, Faculty	LARP	Dana Yemlin
2 310 1435 3 313 1486 3 3 313 1486 0 GGS 102 0 GGS 208 0 GGS 208 0 GGS 208 2 208 2 208 2 208 2 208 2 208 2 208 4 411 200 4 414 200	Office, Faculty	LARP	James Corner
4 417 139 3 313 148 5 313 148 10 G15 1064 0 G22 216 0 G27 216 2 2 229 2 229 2 229 2 23 181 2 2 26 4 411 200 4 414 200	Office, Faculty	LARP	Anu Mathur
3 312 188 3 313 148 0 GGS 1164 0 GGS 224 0 GGS 224 0 GGS 224 2 225 2 225 2 225 2 225 2 225 2 244 1 412 200 4 4 413 200 4 4 414 200	Office, Faculty	LARP	Adjunct Office
2 939 1484 1484 1484 1484 1484 1484 1484 148	Office, Emeritus	LARP	Dan Rose/Lenore
0 GIS 11664 0 GGZ 216 0 GGZ 216 0 GGZ 216 2 216 2 217 2 218 118 2 218 118 118 2 218 118 118 118 118 118 118 118 118 11	Office, Faculty	LARP	STORAGE
0 GIS 102 0 GZ2 236 0 GZ2 236 0 GZ2 236 2 226 2 226 2 226 2 226 2 226 2 226 2 226 2 226 4 411 200 4 413 200 4 413 200	Average Sq. Ft. per Office in LARP: 162.66		
0 GG7 716 0 GG2 216 0 GG2 216 0 GG2 229 2 229 2 229 2 229 2 229 2 229 2 229 2 229 2 249 2 249 4 411 200 4 444 5 200 4 444 5 200	Office, Faculty		Lindsay Falck
0 GG2 216 0 GG3 204 0 GG7 204 2 204 1 20 2 205 2 205 2 205 1	Office, Faculty	Architecture	Nick Temple
0 GG2 23M 0 GG7 216 2 286 229 2 286 229 2 286 229 2 286 181 2 2 26 181 2 2 26 183 4 411 200 4 413 200 4 420 200	Office, Faculty	Anchitecture	Branko Kolarevic
0 GG7 216 2 246 1999 2 2 265 229 2 274 162 2 2 275 163 2 2 276 163 4 4 412 206 4 4 412 206 4 4 413 200	Office, Faculty	Architecture	Witold Rybezynski
2 24 199 2 2 25 25 25 2 25 25 165 2 2 26 165 2 2 27 164 4 413 200 4 444 200	Office, Faculty	Archibehure	William Braham
2 225 2 213 181 2 2 214 162 2 2 215 163 2 2 216 163 4 4 411 200 4 4 413 200 4 4 413 200	Office, Faculty	Architecture	Annette Fierro
2 223 183 2 244 162 2 275 163 2 276 163 4 417 206 4 412 206 4 413 206 4 414 206	Office, Faculty	Architecture	Richard Wesley
2 234 162 2 215 163 2 216 163 4 4 411 200 4 413 200 4 413 200	Office, Faculty	Archibecture	Patricia Conway
2 25 163 2 26 163 4 411 200 4 412 164 4 413 200 4 413 200	Office, Faculty	Architechure	Peter McCleary
2 226 163 163 164 164 165 165 165 165 165 165 165 165 165 165	Office, Farulty	Architecture	Enzique Norton
2 217 181 4 411 200 4 412 264 4 413 200 4 414 200	Office, Faculty	Architecture	Ali Rahim
4 412 200 4 413 200 4 414 200	Office, Faculty	Architecture	David Leatherbarrow
4 412 164 4 413 200 4 414 200	Office, Faculty	Anchitecture	Ali Malkawi
4 413 200 4 414 260	Office, Faculty	Architecture	Adjunct Office
4 414 200	Office, Faculty	Architecture	Atkin
	Office, Faculty	Architecture	Tony Afkin
4 415 202	Office, Faculty	Architecture	Adjunct Office
4 416 136	Office, Faculty	Architecture	Marion Weiss
te Arts 4 405 167	Office, Faculty	Architecture	Jaseph Rykwert
3801	CH: 184.26		
4 407 88 Office		Fine Arts - Graduate	Terry Adkins
5 b 63 250 Office		Fine Arts - Graduate	H. Nakazato, B. Kreydatus, S. Kaylor
sunding 3 M30 180		Fine Arts - Graduate	Adjunct Office
Subtotal: 518 Average Sq. Ft. per	Average Sq. R. per Office in FNAR: 172.66		
Average Sq. Ft. per	Average Sq. Ft. per Office in FNAR per Faculty Member. 106	aber: 106	

Faculty Office Use - By Building

on Hall 0 G3 221 Office Office, Eachly Coffice, Eachly Cut Planning on Hall 0 G3 124 Office Office, Eachly Cut Planning on Hall 0 G3 23 Office Office Office, Eachly Illourner Programation on Hall 0 G3 23 Office Office Office, Eachly Illourner Cross-valion on Hall 0 G3 23 Office Office Office, Eachly Illourner Cross-valion on Hall 1 17 19 Office Office Office, Eachly Architecture on Hall 1 17 19 Office Planning on Hall <t< th=""><th>0 G33 221 Office Coffice, Really Cuty Planning 0 G15 122 Office Office, Really Historic Preservation 0 G15 214 Office Office, Really Architecture 0 G17 216 Office Office, Really Architecture 0 G23 210 Office Office, Really Architecture 0 G23 216 Office Office, Really Architecture 0 G22 216 Office Office, Really Architecture 0 G23 216 Office Office, Really Architecture 1 116 192 Office Office, Really Architecture 1 116 192 Office Office, Really Architecture 1 117 192 Office Office, Faculty Architecture 1 117 192 Office Office, Faculty Architecture 1 <</th><th>Meyerson Hall Meyerson Hall</th><th>0 5</th><th>ទ</th><th>221</th><th></th><th></th><th>4 4 000</th><th></th><th></th></t<>	0 G33 221 Office Coffice, Really Cuty Planning 0 G15 122 Office Office, Really Historic Preservation 0 G15 214 Office Office, Really Architecture 0 G17 216 Office Office, Really Architecture 0 G23 210 Office Office, Really Architecture 0 G23 216 Office Office, Really Architecture 0 G22 216 Office Office, Really Architecture 0 G23 216 Office Office, Really Architecture 1 116 192 Office Office, Really Architecture 1 116 192 Office Office, Really Architecture 1 117 192 Office Office, Faculty Architecture 1 117 192 Office Office, Faculty Architecture 1 <	Meyerson Hall Meyerson Hall	0 5	ទ	221			4 4 000		
0 Glise Office Office, Really Historic Preservation 0 G13 234 Office Office, Faculty Architecture 0 G13 210 Office Office, Faculty Architecture 0 G23 210 Office Office, Faculty Architecture 0 G23 216 Office Office Office, Faculty Architecture 1 117 112 112 Office Office, Faculty Architecture 1 116 117 118 118 Office Office, Faculty Architecture 1 116 117 118 Office Office, Faculty Architecture 2 117 118 Office Office Office, Faculty Architecture 2 118 Office Office Office Office Office Office 2 214 125 Office Office Office Office Office	0 CLID 102 Office Office Colfice Office Faculty Historic Preservation 0 C17 216 Office Office Faculty Cly Throning 0 C23 210 Office Office Activation Cly Throning 0 C23 210 Office Office Activation Cly Throning 0 C23 220 Office Office Activation Cly Throning 0 C23 220 Office Office Activation Activation 1 116 192 Office Office Activation Activation 1 116 192 Office Office Activation Activation 1 116 192 Office Office Activation Activation 1 117 192 Office Office Activation Activation 2 224 112 Office Office Activatio	Meyerson Hall		-			Office	Office, Faculty	City Planning	Stephen Putman
0 G10 G10 G10 G10 G10 G10 G10 G10 G11 G10 G10 G11 G10 G11 G10 G11 G10 G11 G11 <td>0 CLOS 12.4 Office Office, Faculty Homore Freewarding 0 GG19 2.04 Office Office, Faculty Architecture 0 GG19 2.04 Office Office, Faculty Architecture 0 GG22 2.16 Office Office, Faculty Architecture 0 GG22 2.16 Office Office, Faculty Architecture 1 1.16 1.92 Office Office, Faculty Architecture 2 2.16 1.06 Office Office, Faculty Architecture 2 2.17 1.06 Office Office, Faculty Architecture 2 2.18 1.06 Office Office, Faculty Architecture</td> <td></td> <td>9 0</td> <td>3 8</td> <td>707</td> <td></td> <td>Office</td> <td>Office, Faculty</td> <td></td> <td>Lindsay Falck</td>	0 CLOS 12.4 Office Office, Faculty Homore Freewarding 0 GG19 2.04 Office Office, Faculty Architecture 0 GG19 2.04 Office Office, Faculty Architecture 0 GG22 2.16 Office Office, Faculty Architecture 0 GG22 2.16 Office Office, Faculty Architecture 1 1.16 1.92 Office Office, Faculty Architecture 2 2.16 1.06 Office Office, Faculty Architecture 2 2.17 1.06 Office Office, Faculty Architecture 2 2.18 1.06 Office Office, Faculty Architecture		9 0	3 8	707		Office	Office, Faculty		Lindsay Falck
0 Gilice Office Office Faculty Architecture 0 G23 210 Office Office, Faculty Chy Planning 0 G23 210 Office Office, Faculty Chy Planning 0 G23 210 Office Office, Faculty Architecture 1 110 122 216 Office Office, Faculty Architecture 1 116 122 216 Office Office, Faculty Architecture 1 117 122 131 Office Office, Faculty Historic Preservation 1 116 126 Office Office, Faculty Historic Preservation 2 214 126 Office Office, Faculty Architecture 2 214 126 Office Office, Faculty Architecture 2 214 126 Office Office, Faculty Architecture 2 214 127 Office Office Office, Facul	0 G19/2 240 Office Office Office Faculty Chy Planning 0 G23 210 Office Office Faculty Chy Planning 0 G23 210 Office Office Faculty Chy Planning 0 G23 210 Office Office Faculty Architecture 1 112 122 216 Office Office Architecture 1 116 122 216 Office Office Architecture 1 116 122 Architecture Office Office Architecture 1 116 126 Office Office Office Office Office Office Architecture 2 204 126 Office Office Architecture Office Architecture 2 205 126 Office Office Office Architecture 2 206 126 Office </td <td>Wicycladic Lan</td> <td>-</td> <td>9 5</td> <td>124</td> <td></td> <td>Office</td> <td>Office, Faculty</td> <td>Historic Preservation</td> <td>Preservation Faculty Office</td>	Wicycladic Lan	-	9 5	124		Office	Office, Faculty	Historic Preservation	Preservation Faculty Office
0 GG19 204 Office Office Office, Faculty Cuty Planning 0 GG18 210 Office Office Activity Cuty Planning 0 GG22 234 Office Office Activity Activity 1 116 132 Office Office Activity Activity 2 204 Office Office Activity Activity 2 205 134 Office Activity Activity 2 206 Office Ac	0 GG19 204 Office Office Faculty Cly Planning 0 GG18 210 Office Office Faculty LAPP 0 GG22 234 Office Office Acthinecture LAPP 0 GG22 234 Office Office Acthinecture Acthinecture 1 116 132 Office Office Acthinecture 1 126 146 Office Office Acthinecture 2 244 156 Office Office Acthinecture 2 245 166 Office Acthinecture Acthinecture 2 246 167 Office Acthinecture Acthinecture 2	Meyerson Hall	•	C17	216		Office	Office, Faculty	Architecture	Nick Temple
0 GG34 210 Office Office Coffice Faculty Chy Plansing 0 GG32 216 Office Office, Faculty Chy Plansing 0 GG32 216 Office Office, Faculty Architecture 1 116 132 Office Office, Faculty Architecture 1 116 132 Office Office, Faculty Architecture 1 116 132 Office Office, Faculty Architecture 1 117 132 Office Office, Faculty Architecture 1 118 140 Office Office, Faculty Architecture 2 204 199 Office Office, Faculty Architecture 2 205 229 Office Office, Faculty Architecture 2 216 183 Office Office, Faculty Architecture 2 216 183 Office Office Office Office	0 GZ34 210 Office Office, Faculty CHARP 0 GZ32 216 Office Office, Faculty Architecture 0 GZ32 216 Office Office, Faculty Architecture 1 116 132 Office Office Office, Faculty Architecture 1 116 132 Office Office Office, Faculty Architecture 1 116 132 Office Office, Faculty Historic Preservation 1 120 192 Office Office, Faculty Architecture 1 120 159 Office Office, Faculty Architecture 2 204 159 Office Office, Faculty Architecture 2 204 159 Office Office, Faculty Architecture 2 204 162 Office Office, Faculty Architecture 2 204 162 Office Office Office <t< td=""><td>Meyerson Hall</td><td>0</td><td>65</td><td>204</td><td></td><td>Office</td><td>Office, Faculty</td><td>City Planning</td><td>Sidney Wong</td></t<>	Meyerson Hall	0	65	204		Office	Office, Faculty	City Planning	Sidney Wong
0 GG18 210 Office Office Activity CUP Planning 0 GG22 216 Office Office Paculty Architecture 1 116 122 216 Office Office Paculty Architecture 1 116 112 112 Office Office Paculty Architecture 1 116 112 118 Office Office Paculty Architecture 1 112 112 118 Office Office Paculty Historic Preservation 2 218 126 Office Office Paculty Historic Preservation 2 218 126 Office Office Paculty Architecture 2 216 126 Office Office Paculty Architecture 2 216 162 Office Office Paculty Architecture 2 216 162 Office Office Paculty Architecture 2 217 181 Office	0 GG18 210 Office Office Office Faculty Architecture 0 GG22 214 Office Office Clife Activation Architecture 1 116 192 Office Office Activation Architecture 1 116 192 Office Office Activation Haboric Preservation 1 116 192 Office Office Activation LARF 1 126 181 Office Office Activation LARF 2 206 183 Office Office Activation Architecture 2 206 183 Office Office Activation Architecture 2 207 181 Office Office Activation Architecture 2 208 182 Office Office Activaticcture Office Activaticcture 2 216 182 Office Office </td <td>Meyerson Hall</td> <td>0</td> <td>Š</td> <td>210</td> <td></td> <td>Office</td> <td>Office, Faculty</td> <td>LARP</td> <td>John Dixon Hunt</td>	Meyerson Hall	0	Š	210		Office	Office, Faculty	LARP	John Dixon Hunt
0 GZZ 216 Office Office, Paculty Architecture 0 GZZ 234 Office Office, Faculty Architecture 1 115 192 Office Office, Faculty Architecture 1 115 192 Office Office, Faculty Architecture 1 126 181 Office Office, Faculty Architecture 1 126 184 Office Office, Faculty Architecture 2 204 183 Office Office, Faculty Architecture 2 205 Office Office, Faculty Architecture 2 206 Office Office, Faculty Architecture 2 207 181 Office Office, Faculty Architecture 2 207 181 Office Office, Faculty Architecture 2 207 181 Office Office Office Office 2 207 182	0 GZZ 214 Office Office, Paculty Architecture 0 GZZ 234 Office Office, Faculty Architecture 1 115 192 Office Office, Faculty Architecture 1 115 192 Office Office, Faculty Architecture 1 112 112 113 Office Office Acculty Habsic Preservation 1 126 127 Office Office, Faculty Architecture 2 204 129 Office Office, Faculty Architecture 2 205 229 Office Office, Faculty Architecture 2 206 229 Office Office, Faculty Architecture 2 216 18 Office Office, Faculty Architecture 2 216 18 Office Office, Faculty Architecture 2 216 18 Office Office, Faculty Architecture <td>Meyerson Hall</td> <td>0</td> <td>819</td> <td>210</td> <td></td> <td>Office</td> <td>Office, Faculty</td> <td>City Planning</td> <td>Seymour Mandelbaum</td>	Meyerson Hall	0	819	210		Office	Office, Faculty	City Planning	Seymour Mandelbaum
0 GZ32 294 Office Office, Faculy Architecture 1 116 132 216 Office Office, Faculy Architecture 1 116 132 Office Office Office, Faculy Historic Preservation 1 116 183 Office Office, Faculy Historic Preservation 1 126 164 Office Office, Faculy Historic Preservation 2 204 199 Office Office, Faculy Architecture 2 205 Office Office, Faculy Architecture 2 204 105 Office Office, Faculy Architecture 2 204 105 Office Office, Faculy Architecture 2 205 106 Office Office, Faculy Architecture 2 206 107 Office Office, Faculy Architecture 2 207 107 Office Office Office Office <td>0 GZ23 204 Office Office Office Faculty Architecture 1 116 192 Office Office Office Faculty Historic Preservation 1 116 192 Office O</td> <td>Meyerson Hall</td> <td>•</td> <td>G</td> <td>516</td> <td></td> <td>Office</td> <td>Office, Faculty</td> <td>Architecture</td> <td>Branko Kolarevic</td>	0 GZ23 204 Office Office Office Faculty Architecture 1 116 192 Office Office Office Faculty Historic Preservation 1 116 192 Office O	Meyerson Hall	•	G	516		Office	Office, Faculty	Architecture	Branko Kolarevic
0 GZZ 216 Office Office, Faculty Architecture 1 116 132 Office Office, Faculty History Preservation 1 110 132 Office Office, Faculty History Preservation 1 120 132 Office Office, Faculty History Preservation 1 128 245 Office Office, Faculty History Preservation 2 224 153 Office Office, Faculty Architecture 2 224 163 Office Office, Faculty Architecture 2 226 166 Office, Faculty Architecture 2 227 178 Office Office, Faculty Architecture 2	0 GZZ 216 Office Office, Faculty Habstor Preservation 1 116 132 Office Office, Faculty Histor Preservation 1 116 132 Office Office, Faculty Histor Preservation 1 126 124 Office Office, Faculty Histor Preservation 2 204 135 154 Office Office, Faculty Clty Planning 2 204 136 Office Office, Faculty Architecture 2 204 139 Office Office, Faculty Architecture 2 204 162 Office Office, Faculty Architecture 2 215 163 Office Office, Faculty Architecture 2 216 163 Office Office, Faculty Architecture 2 216 163 Office Office, Faculty Architecture 2 216 165 Office Office Office	Meyerson Hall	0	623	504		Office	Office, Faculty	Architecture	Witold Rybezynski
116 116 117 118 119 Office Office, Reculy Historic Preservation 1 110 110 112 112 112 Office Office, Reculy Historic Preservation 1 120 132 Office Office, Faculy Historic Preservation 1 120 123 124 Office Office, Faculy Architecture Office, Faculy Architecture 1 120 121 Office Office, Faculy Architecture 1 120 121 Office Office, Faculy Architecture 1 120 121 Office Office, Faculy Architecture 1 120 Office 121 Office Office, Faculy Architecture 121 Office Office, Faculy Architecture 122 Office Office, Faculy Historic Preservation 122 Office Office, Faculy Historic CPLN Office Faculy Histori	116 116 117 118 119 118	Meyerson Hall	0	627	216		Office	Office, Faculty	Architecture	William Braham
117 117 112	117 117 118 119 Office Office, Faculty Historic Preservation 119 112 113 Office Office, Faculty Historic Preservation 1 123 113 Office Office, Faculty City Planning Office Paculty Office Paculty	Meyerson Hall		116	192		Office	Office, Faculty	Historic Preservation	David DeLong
1 123 151 151 151 151 151 152 151 152 151 152 151 152 151 152 151 152 151 152 154	1 123 151 151 151 151 151 151 151 151 152 151 151 151 151 151 151 151 151 151 151 151 151 152 153 154	Mryerson Hall	۲	117	192		Office	Office, Faculty	Historic Preservation	Frank Matero
1 126 154 Coffice Office, Faculty City Planning City City City City City City City City	1 126 154 154 154 155 156	Meyerson Hall	1	120	192		Office	Office, Faculty	LARP	Corner
126 154 154 154 154 155	1.126 154 154 Office Office Faculty City Planning 1.128 245 Office Office, Faculty Architecture 2.25 235 235 Office Office, Faculty Architecture Office, Faculty Historic Preservation Office Office, Faculty Office Office Office, Faculty Office	Meyerson Hall	-	123	181		Office	Office, Faculty	City Planning	Keens
1 128 245 Office Office, Faculty Architecture Chica, Faculty Architecture Chica Chica, Faculty Architecture Chica Chica, Faculty Architecture Chica Chica, Faculty Architecture Chica Chica Chica, Faculty Architecture Chica	1 138 245 Office Office, Faculty Architecture 2 204 199 Office Office, Faculty Architecture 2 213 181 Office Office, Faculty Architecture 2 213 182 Office Office, Faculty Architecture 2 215 162 Office Office, Faculty Architecture 2 215 163 Office Office, Faculty Architecture 2 216 183 Office Office, Faculty Architecture 3 315 17 Office Office, Faculty Architecture 4 403 280 Office Office, Faculty Architecture 5 316 17 Office Office, Faculty Architecture 6 403 280 Office Office, Faculty Architecture 1 403 36 16 Office Office Office 1 <t< td=""><td>Meyerson Hall</td><td>-</td><td>126</td><td>2</td><td></td><td>Office</td><td>Office, Faculty</td><td>City Planning</td><td>Genie Birch</td></t<>	Meyerson Hall	-	126	2		Office	Office, Faculty	City Planning	Genie Birch
2 204 199 Office Office Feculty Architecture 2 215 223 Office Office Office Architecture 2 215 163 Office Office Office Architecture 2 215 163 Office Office Office Architecture 2 216 163 Office Office Office Office Architecture 3 316 17 Office Office Office Architecture 4 403 280 Office Office Office Architecture 4 403 280 Office Office Architecture Architecture 3 30 18 5 Office Office Architecture 4 403 280 Office Office Architecture Architecture 5 30 18 Office Office Arculy Architecture	2 204 199 Office Office Politics Architecture 2 215 223 Office Office Architecture Office Office Architecture 2 215 182 Office Office Office Architecture 2 215 183 Office Office Architecture 2 216 183 Office Office Architecture 3 316 172 Office Office Architecture 4 403 59 Office Office Architecture 4 403 59 Office Office Architecture 3 316 149 Office Office Architecture 4 403 59 Office Office Architecture 5 306 Office Office Architecture Architecture 6 403 30 Office Office Archit Architecture	Meyerson Hall	F	128	245		Office	Office, Faculty	City Planning	T Tomazinie
2 205 229 Office Office Faculty Architecture 2 213 181 Office Office Faculty Architecture 2 214 182 Office Office Faculty Architecture 2 215 182 Office Office Faculty Architecture 2 216 183 Office Office Faculty Architecture 3 316 177 Office Office Faculty LARP 4 403 280 Office Office Faculty LARP 3 316 177 Office Office Faculty LARP 4 403 280 Office Office Faculty LARP 3 307 85 Office Office Faculty LARP 4 417 199 Office Office Faculty LARP 5 318 Office Office Faculty LARP 6 0ffice Office Faculty LARP	2 205 229 Office Office, Faculty Architecture 2 213 181 Office Office Office Architecture 2 215 162 Office Office Office Architecture 2 216 163 Office Office Architecture 2 216 183 Office Office Architecture 3 315 172 Office Office Architecture 4 403 280 Office Office Architecture 9 Office Office Office Architecture 1 400 Architecture Office Architecture 3 30 186 Office Office Architecture 4 407 199 Office Office Architecture 5 316 166 Office Architecture Architecture 5 317 147 Office Office	Meyerson Hall	7	204	199		Office	Office Faculty	Architecture	Annaha Dana
2 213 181 Office Office Faculty Architecture 2 214 122 Office Office Faculty Architecture 2 215 163 Office Office Faculty Architecture 2 216 163 Office Office Faculty Architecture 3 316 177 Office Office Faculty Architecture 4 403 29 Office Office Faculty Historic Preservation 4 403 59 Office Office Faculty Historic Preservation 5 30 186 Office Office Faculty Historic Preservation 4 403 59 166 Office Faculty Historic Preservation 5 30 186 Office Office Faculty Historic Preservation 6 180 Office Office Faculty Historic Preservation 7 180 Office Office Faculty LARP 8 180	2 213 181 Office Office Faculty Architecture 2 214 122 Office Office Architecture 2 215 162 Office Office Architecture 2 216 183 Office Office Architecture 3 315 172 Office Office Architecture 4 402 280 Office Office Office Architecture 9 400 Office Office Office Office Architecture 1 407 59 Office Office Office Architecture 3 30 85 Office Office Architecture 3 30 85 Office Office Architecture 4 407 199 Office Office Architecture 3 310 146 Office Office Architecture 4 40 17	Meverson Hall	2	205	229		Office	Office, Faculty	Architecture	Dichard Marley
2 214 162 Office Office, Foully Architecture Office, Foully Hatoric Frear-rainen Office, Foully LARP Office Office, Foully CPLN Office, Foully Office, Foully CPLN Office, Foully Of	2 2.14 162 Office Office, Fourly Architecture 2 2.15 163 Office Office, Fourly Architecture 2 2.16 163 Office Office, Fourly Architecture 2 2.17 181 Office Office, Fourly Halper LARP 4 403 28 Office Office, Fourly Halport Preservation 4 403 28 Office Office, Fourly Halport Preservation 5 30 186 Office Office, Fourly Halport Preservation 6 400 Average Sq. Ft. per Office in Mayerson. 18.35 Benegy Mgmt. LARP 7 30 186 Office Office, Fourly LARP 8 30 149 Office Office, Fourly LARP 9 31 14 Office Office, Fourly LARP 1 40 14 Office Office, Fourly LARP 1 14 <t< td=""><td>Meverson Hall</td><td></td><td>713</td><td>1 2</td><td></td><td>Office</td><td>Office Faculty</td><td>Amphibodica</td><td>Partiel Presiey</td></t<>	Meverson Hall		713	1 2		Office	Office Faculty	Amphibodica	Partiel Presiey
2 2.5.7 16.3 Office Office Office, Faculty Architecture 2 2.15 16.3 Office Office, Faculty Architecture 2 2.17 11.2 Office Office, Faculty Architecture 3 3.16 1.2 Office Office, Faculty Architecture 4 4.03 2.80 Office Office, Faculty Habitic Preservation 3 3.06 1.8 Office Office, Faculty Habitic Preservation 4 40.7 1.9 Office Office, Faculty Habitic Preservation 5 3.0 1.6 Office Office, Faculty Habitic Preservation 6 1.0 Office Office Office, Faculty LARP 7 3.0 1.6 Office Office, Faculty LARP 8 3.1 1.4 Office Office Office Office 9 3.1 1.4 Office Office Office	2 2.55 16.5 Office Office, Faculty Architecture 2 2.15 16.5 Office Office, Faculty Architecture 2 2.16 16.5 Office Office, Faculty Architecture 3 3.15 1.17 Office Office, Faculty LARP 4 40.74 5.9 Office Office, Faculty Haboric Preservation 3 3.0 6.9 Office Office, Faculty Haboric Preservation 4 40.74 5.9 Office Office, Faculty Haboric Preservation 3 3.0 6.9 Office Office, Faculty Haboric Preservation 4 40.7 1.99 Office Office, Faculty LARP 5 3.10 Office Office, Faculty LARP 6 4.17 1.99 Office Office, Faculty LARP 7 3.14 1.47 1.90 Office Office Office Office	Meyerson Hall	1 6	710	5 5		Office	Office Faculty	Anthieriane	LACREIA CORWAY
2 2.15 183 Office Office, Faculty Architecture 2.27 183 Office Office, Faculty Architecture 2.27 183 Office Office, Faculty Architecture 2.27 183 Office Office, Faculty Historic Preservation Office, Faculty Carlay Architecture Office, Faculty Fire Arts - Gadasate Office Miles Faculty Fire Arts - Gadasate Of	2 2.15 162 Office Office Office Architecture 2 2.16 183 Office Office Architecture Architecture 3 3.16 1.17 Office Office Architecture Architecture 4 403 280 Office Office Architecture Architecture 1 402 280 Office Office Architecture Architecture 2 307 85 Office Office Architecture Architecture 3 307 85 Office Office Architecture Architecture 4 417 199 Office Office Architecture Architecture 5 318 146 Office Office Architecture CPLN 5 318 147 Office Office Architecture CPLN 5 318 140 Office Office Architecture CPLN	Meyerson that	, ,		4 5		ome	Office, eacuity	Architecture	Feler McCleany
2 216 163 Office Office Acade Architecture 3 217 181 Office Office Boulty Architecture 4 433 127 Office Office Boulty LARP 4 433 280 Office Office Boulty LARP 5 340 18 Office Office Boulty LARP 5 340 18 Office Office Foulty LARP 6 18 Office Office Foulty LARP 7 19 Office Office Foulty LARP 8 312 146 Office Office Foulty LARP 9 314 147 Office Office Foulty LARP 1 140 Office Office Foulty CPLN 1 141 Office Office Foulty CPLN 2 314 14 Office Office Foulty CPLN 3 314 14	2 216 163 Office Office Scale Architecture 3 217 186 Office Office Activity Architecture 4 403 280 Office Office Feally Hattoric Preservation 4 403 280 Office Office Feally Hattoric Preservation 3 30 58 Office Office Feally Hattoric Preservation 4 403 198 Office Office Office Feally Hattoric Preservation 3 30 58 Office Office Feally Hattoric Preservation 4 407 199 Office Office Feally Hattoric Preservation 5 316 196 Office Office Feally LARP 6 417 199 Office Office Feally LARP 1 190 Office Office Feally LARP 1	Meyerson Hall	7	212	163		Office	Office, Faculty	Architecture	Enrique Norton
2 217 181 Office Office, Reauly Architecture 3 316 127 Office Office, Reauly LARP 181 Office Office, Reauly Hattoric Preservation of Office, Reauly Hattoric Preservation 181 25 360 186 Office Office, Reauly Hattoric Preservation Office Office, Reauly LARP Office Office, Reauly CPLN Office Office, Reauly Architecture Office Reauly Architecture Office Office, Reauly Architecture Office Reauly Hatts - 164 Office Office, Reauly Architecture Office Office, Reauly Architecture Office Office, Reauly Architecture Office Reauly Architectu	2 217 118 Office Office Office Architecture 3 316 127 Office Office, Faculy LARP 4 403 280 Office Office, Faculy Hatoric Preservation 3 30 187 Office Office, Faculy Hatoric Preservation 3 30 188 Office Office, Faculy Hatoric Preservation 4 407 189 Office Office, Faculy LARP 5 30 186 Office Office, Faculy LARP 6 417 199 Office Office, Faculy LARP 5 313 146 Office Office, Faculy LARP 6 147 149 Office Office, Faculy LARP 7 314 14 Office Office, Faculy LARP 8 315 14 Office Office, Faculy LARP 9 314 14	Meyerson Hall	7	216	163		Office	Office, Faculty	Architecture	Ali Rahim
3 315 17 Office Office Interpretation IARP 4 403 280 Office Office, Faculty Hasonic Preservation 3 304 85 Office Office, Faculty Historic Preservation 4 407 198 Office Office, Faculty Historic Preservation 5 307 85 Office Office, Faculty LARP 4 407 199 Office Office, Faculty LARP 5 313 146 Office Office, Faculty LARP 5 314 47 Office Office, Faculty LARP 5 315 146 Office Office, Faculty CPLN 5 316 146 Office Office, Faculty CPLN 6 318 190 Office Office, Faculty CPLN 7 318 190 Office Office, Faculty CPLN 8 311 146 <td>3 315 172 Office Office Office IARP LARP 4 403 289 Office Office, Faculy Historic Preservation 3 307 85 Office Office, Faculy Historic Preservation 4 403 380 186 Office Office, Faculy LARP 5 307 186 Office Office, Faculy LARP 4 417 199 Office Office, Faculy LARP 5 313 146 Office Office, Faculy LARP 5 314 147 Office Office, Faculy LARP 5 314 147 Office Office, Faculy LARP 5 315 146 Office Office, Faculy LARP 6 316 Office Office, Faculy LARP 7 316 146 Office Office, Faculy CPLN 8 316 146</td> <td>Meyerson Hall</td> <td>2</td> <td>217</td> <td>181</td> <td></td> <td>Office</td> <td>Office, Faculty</td> <td>Architecture</td> <td>David Leatherbarrow</td>	3 315 172 Office Office Office IARP LARP 4 403 289 Office Office, Faculy Historic Preservation 3 307 85 Office Office, Faculy Historic Preservation 4 403 380 186 Office Office, Faculy LARP 5 307 186 Office Office, Faculy LARP 4 417 199 Office Office, Faculy LARP 5 313 146 Office Office, Faculy LARP 5 314 147 Office Office, Faculy LARP 5 314 147 Office Office, Faculy LARP 5 315 146 Office Office, Faculy LARP 6 316 Office Office, Faculy LARP 7 316 146 Office Office, Faculy CPLN 8 316 146	Meyerson Hall	2	217	181		Office	Office, Faculty	Architecture	David Leatherbarrow
3 316 127 Office Office, Faculty Historic Preservation 4 403 38 Toler Office, Faculty Historic Preservation 3 30 186 Office Office, Faculty LARP 4 417 199 Office Office, Faculty LARP 3 30 186 Office Office, Faculty LARP 4 447 199 Office Office, Faculty LARP 3 316 146 Office Office, Faculty LARP 3 316 147 Office Office, Faculty LARP 3 316 146 Office Office, Faculty LARP 4 417 146 Office Office, Faculty CPLN 5 316 140 Office Office, Faculty CPLN 5 317 146 Office Office, Faculty CPLN 6 318 390 Office	3 316 127 Office Office Faculty Historic Preservation 4 403A 59 Toldr Office Faculty Historic Preservation 3 30 85 Office Office Faculty Historic Preservation 4 403A 186 Office Office Faculty LARP 5 309 186 Office Office Faculty LARP 5 310 149 Office Office Faculty LARP 5 312 148 Office Office Faculty LARP 5 314 147 Office Office Faculty LARP 5 314 147 Office Office Faculty CPLN 5 314 147 Office Office Faculty CPLN 6 146 Office Office Faculty CPLN 7 141 30 Office Office Faculty Architecture 8 311 316 Office Office	Meyerson Hall	3	315	127		Office	Office, Faculty	LARP	Anita Berrizbeita
4 403 299 Office Office Floutly Historic Preservation 3 307 85 Office Office Floutly Historic Preservation 3 309 186 Office Office Floutly LARP 4 417 199 Office Office Floutly LARP 3 316 149 Office Office Floutly LARP 3 312 146 Office Office Floutly LARP 3 314 147 Office Office Floutly LARP 3 314 147 Office Office Floutly LARP 4 147 Office Office Floutly CPLN 5 314 14 Office Office Floutly CPLN 6 076 Office Office Floutly CPLN 7 120 Office Office Floutly CPLN 8 318 190 Office Office Floutly CPLN	4 403 299 Office Office Florally Historic Preservation 3 307 85 Office Office Fourly Historic Preservation 3 307 85 Office Office Office Fourly LARP 4 407 199 Office Office Office Fourly LARP 3 313 146 Office Office Office Office Fourly LARP 3 314 147 Office Of	Meyerson Hall	3	316	127	,-	Office	Office, Faculty	LARP	Dana Tomlin
4 493A 59 Tolet Office Faculty Historic Preservation 3 307 690 Average Sq. Pt. per Office in Moreson 18.33 Historic Preservation 3 309 186 Office Office Faculty LARP 4 417 199 Office Office Faculty LARP 5 312 186 Office Office Faculty LARP 5 314 44 Office Office Faculty LARP 5 314 149 Office Office Faculty LARP 5 314 146 Office Office Faculty LARP 6 317 146 Office Office Faculty CPLN 3 316 140 Office Office Faculty CPLN 4 407 38 Office Office Faculty CPLN 5 301 124 Office Office Scale CPLN 4 407 38 Office Office Sc	4 407A 59 Tolet Office of Clife in Mayerson 1833 Heaving Preservation 3 30 590 Office of Clife in Pactorson 1833 Collice of Clife in Pactorson 1833 4 417 139 Office of Clife in Pactorson 1833 LARP 5 339 186 Office of Clife in Pactorson 1833 LARP 5 312 186 Office of Clife in Pactorson 1833 LARP 3 312 186 Office of Clife in Pactorson 1838 LARP 3 314 147 Office of Clife in Pactorson 1838 LARP 3 314 147 Office of Clife in Pactorson 1838 LARP 3 314 147 Office of Clife in Pactorson 1838 CPLN 3 314 146 Office of Clife in Pactorson 1838 CPLN 4 40 Office of Clife in Pactorson 1839 CPLN 5 314 Office of Clife in Pactorson 184 Architecture Office in Pactorson 184 4 40 Office of Clife in Pactorson 184 Architecture Office in Pactorson 184	Meyerson Hall	4	403	280	_	Office	Office, Faculty	Historic Preservation	
1990 Average Sq. Ft. per Office in Moyersman 1835 3 30 38 58 Office Office Powly 4 417 39 Office Office Powly LARP 5 312 148 Office Office Powly LARP 6 313 148 Office Office Powly LARP 7 31 314 147 Office Office Powly LARP 8 315 190 Office Office Powly CPLN 9 315 190 Office Office Powly CPLN 1 10 Office Office Office Powly CPLN 1 21 Office Office Office Powly CPLN 1 41 124 Office Office Powly CPLN 1 41 200 Office Office Powly CPLN 1 41 200 Office Office Powly CPLN 1 41 200 Office Office Coffice Powly CPLN 1 41 200 Office Office Coffice Powly Architecture 1 41 200 Office Office Office Powly Architecture 2 41 200 Office Office Coffice Powly Architecture 4 41 200 Office Office Office Powly Architecture 5 50 Office Office Office Powly Architecture 6 60 Office Office Office Powly Architecture 7 60 Office Office Office Powly Architecture 8 83 250 Office Office Office Powly Architecture 9 60 Office Office Office Powly Architecture 10 60 Office Office Powly Architecture 11 60 Office Office Powly Architecture 12 60 Office Office Powly Architecture 13 60 Office Office Powly Architecture 14 60 60 Office Office Powly Architecture 15 60 Office Office Powly Office Powly Architecture 15 70 Office Office Powly Of	1990 Average Sq. Ft. per Office to Mayerson: 183.55 3 30	Meyerson Hall	4	403A	29		Poilet	Office, Faculty	Historic Preservation	
3 307 85 Office Office Foully Energy MgmL 3 309 186 Office Office Foully LARP 4 417 199 Office Office Foully LARP 3 313 146 Office Office Foully LARP 3 314 147 Office Office Foully CPLN 3 316 146 Office Office Foully CPLN 3 316 146 Office Office Foully CPLN 4 411 30 Office Office Foully CPLN 5 318 190 Office Office Foully CPLN 6 318 190 Office Office Foully CPLN 7 217 131 Office Office Foully Architecture 4 411 30 Office Office Foully Architecture 4 415 30 Office Office Foully Arch	3 307 85 Office Office Footly Energy MgmL 3 309 186 Office Office Foully LARP 4 417 199 Office Office Foully LARP 3 313 146 Office Office Foully LARP 3 314 47 Office Office Foully LARP 3 316 146 Office Office Foully CPLN 3 316 146 Office Office Foully CPLN 4 40 156 Office Office Foully CPLN 5 316 146 Office Office Foully CPLN 6 317 146 Office Office Foully CPLN 7 317 Office Office Foully Architecture 4 407 88 Office Office Foully Architecture 4 415 200 Office Office Foully Architecture <td>Subtotal</td> <td></td> <td></td> <td>0965</td> <td>-</td> <td>Verage Sq. Ft. per O</td> <td>ffice in Meyerson: 1</td> <td>83.35</td> <td></td>	Subtotal			0965	-	Verage Sq. Ft. per O	ffice in Meyerson: 1	83.35	
3 369 186 Office Office Faculty LARP 4 417 199 Office Office Faculty LARP 5 313 148 Office Office Faculty LARP 5 314 147 Office Office Faculty LARP 3 314 147 Office Office Faculty CPLN 3 315 190 Office Office Faculty CPLN 4 146 Office Office Faculty CPLN 5 317 146 Office Office Faculty CPLN 6 317 146 Office Office Faculty CPLN 7 122 Office Office States CPLN 4 407 38 Office Office States CPLN 4 412 164 Office Office States Office States Office States 4 415 200 Office Office States Office States <td>3 369 186 Office Office, Foully LARP 4 417 159 Office Office, Foully LARP 3 312 186 Office Office, Foully LARP 3 314 147 Office Office Foully LARP 3 314 147 Office Office Foully CPLN 3 315 146 Office Office Foully CPLN 3 317 146 Office Office Foully CPLN 4 40 178 Office Office Foully CPLN 5 212 190 Office Office Foully CPLN 4 40 18 Office Office Foully Architecture 4 41 20 Office Office Foully Architecture 4 41 20 Office Office Foully Architecture 4 41 20 Office Office Foully Archi</td> <td>Duhring Wing</td> <td>3</td> <td>307</td> <td>82</td> <td></td> <td>Office</td> <td>Office, Faculty</td> <td>Energy Mgmt.</td> <td>CPLN Visiting</td>	3 369 186 Office Office, Foully LARP 4 417 159 Office Office, Foully LARP 3 312 186 Office Office, Foully LARP 3 314 147 Office Office Foully LARP 3 314 147 Office Office Foully CPLN 3 315 146 Office Office Foully CPLN 3 317 146 Office Office Foully CPLN 4 40 178 Office Office Foully CPLN 5 212 190 Office Office Foully CPLN 4 40 18 Office Office Foully Architecture 4 41 20 Office Office Foully Architecture 4 41 20 Office Office Foully Architecture 4 41 20 Office Office Foully Archi	Duhring Wing	3	307	82		Office	Office, Faculty	Energy Mgmt.	CPLN Visiting
3 310 149 Office Office Faculty LARP 4 417 139 Office Office Faculty LARP 3 313 148 Office Office Faculty LARP 3 314 149 Office Office Faculty CPLN 3 315 140 Office Office Faculty CPLN 3 316 146 Office Office Faculty CPLN 2 272 191 Office Office Faculty CPLN 4 407 88 Office Office Faculty CPLN 4 412 164 Office Office Faculty CPLN 4 417 184 Office Office Faculty CPLN 4 417 184 Office Office Faculty CPLN 4 412 164 Office Office Faculty Architecture 4 415 200 Office Office Faculty Arc	3 310 149 Office Office Faculty LARP 4 417 139 Office Office Faculty LARP 3 313 148 Office Office Faculty LARP 3 314 47 Office Office Faculty CPLN 3 316 146 Office Office Faculty CPLN 3 316 146 Office Office Faculty CPLN 4 318 190 Office Office Faculty CPLN 5 318 190 Office Office Faculty CPLN 4 407 88 Office Office Student CPLN 4 411 200 Office Office Student Architecture 4 415 200 Office Office Student Architecture 4 415 200 Office Office Student Architecture 4 415 200 Office Office Student	Duhring Wing	60	306	186		Office	Office, Faculty	LARP	James Corner
4 417 139 Orlice Office Annethy LARP 3 313 148 Office Office Faculty LARP 3 314 147 Office Office Faculty CPLN 3 315 190 Office Office Faculty CPLN 3 316 146 Office Office Faculty CPLN 4 217 146 Office Office Faculty CPLN 5 317 146 Office Office Faculty CPLN 6 717 190 Office Office Faculty CPLN 7 717 190 Office Office Faculty Architecture 4 407 38 Office Office Faculty Architecture 4 411 200 Office Office Faculty Architecture 4 415 200 Office Office Faculty Architecture 4 415 200 Office	4 417 139 Orfste Offse LARP 3 312 186 Offse Offse Faculty LARP 3 314 147 Offse Offse Faculty LARP 3 316 149 Offse Offse Faculty CPLN 3 316 146 Offse Offse Faculty CPLN 3 317 146 Offse Offse Faculty CPLN 4 40 174 Offse Offse Faculty CPLN 4 41 17 Offse Offse Faculty CPLN 4 41 Offse Offse Faculty Architecture 4 41 Offse Offse Faculty Architecture 4 41 15 Offse Offse Faculty Architecture 4 41 15 Offse Offse Faculty Architecture 4 41 15 Offse Offse Faculty Architecture 4	Duhring Wing	3	3.10	149		Office	Office, Faculty	LARP	Ann Mathur
3 312 186 Office Office Faculty LARP 3 314 147 Office Office Faculty LARP 3 315 190 Office Office Faculty CPLN 3 316 146 Office Office Faculty CPLN 3 316 146 Office Office Faculty CPLN 2 212 191 Office Office Faculty CPLN 4 407 88 Office Office Faculty Architecture 4 412 164 Office Office Faculty Architecture 4 415 200 Office Office Faculty Architecture 4 415 200 Office Office Faculty Architecture 4 416 320 Office Office Faculty Architecture 4 415 200 Office Office Faculty Architecture 8 33 349 Office	3 312 186 Office Office Faculty LARP 3 314 148 Office Office Faculty LARP 3 315 190 Office Office Faculty CPLN 3 316 146 Office Office Faculty CPLN 3 318 190 Office Office Faculty CPLN 4 20 Office Office Faculty CPLN 5 301 Office Office Faculty CPLN 4 411 200 Office Office Faculty CPLN 4 411 200 Office Office Faculty Architecture 4 411 200 Office Office Faculty Architecture 4 415 200 Office Office Faculty Architecture 4 415 200 Office Office Faculty Architecture 4 415 200 Office Office Faculty Architecture	Duhring Wing	4	417	130		Office	Office Faculty	LARP	Adjunct Office
3 313 148 Office Office Faculty LARP 3 316 147 Office Office Faculty CPLN 3 316 146 Office Office Faculty CPLN 3 317 146 Office Office Faculty CPLN 3 318 190 Office Office Faculty CPLN 4 410 Office Office Faculty CPLN 4 411 200 Office Office Faculty CPLN 4 411 200 Office Office Faculty Architecture 4 415 200 Office Office Faculty	3 313 148 Office Office, Faculty LARP 3 314 147 Office Office, Faculty CPLN 3 316 146 Office Office, Faculty CPLN 3 317 146 Office Office, Faculty CPLN 2 318 190 Office Office, Faculty CPLN 3 301 124 Office Office, Baulty CPLN 4 407 88 Office Office, Baulty CPLN 4 411 200 Office Office, Baulty CPLN 4 411 200 Office Office, Baulty Architecture 4 415 200 Office Office, Baulty Architecture 4 415 200 Office Office Office, Baulty Architecture 4 415 200 Office Office Office, Baulty Architecture 5 222 Off	Duhring Wing	· m	312	186		Office	Office Emeritus	1 485	Dan Bore
3 314 147 Office Office, Faculty CPLN 3 315 190 Office Office, Faculty CTLN 3 317 146 Office Office, Faculty CTLN 2 318 190 Office Office, Shanish CPLN 3 311 124 Office Office, Shanish CPLN 4 407 38 Office Office, Shanish CPLN 4 411 200 Office Office, Shanish CPLN 4 415 200 Office Office, Shanish CPLN 4 415 200 Office Office, Shanish Architecture 4 415 200 Office Office, Scally Architecture 4 415 200 Office Office Office Office 5 07 Office Office Office Office Office 8 3 39 Office<	3 314 147 Office Office Faculty CPLN 3 315 190 Office Office CPLN CPLN 3 317 146 Office Office CPLN CPLN 2 217 190 Office Office CHEA, Enably CPLN 3 318 190 Office Office CHEA, Enable CPLN 4 407 123 Office Office Office CPLN 4 411 220 Office Office Office CPLN 4 412 246 Office Office Office Office 4 415 200 Office Office Office Office 4 415 202 Office Office Office Office 4 416 136 Office Office Office Office 8 B3 220 Office Office O	Duhring Wing	'n	313	148		Office	Office, Faculty	LARP	STORAGE
3 315 190 Office Office Faculty CPLN 3 316 146 Office Office Faculty CPLN 3 317 146 Office Office Office CPLN 4 318 190 Office Office CPLN 5 301 124 Office Office CPLN 4 417 88 Office Office CPLN 5 418 200 Office Office CPLN 6 418 200 Office Office CPLN 7 4 415 164 Office Office CPLN 8 415 200 Office Office CPLN 9 416 202 Office Office CPLN 10 416 202 Office Office CPLN 11 200 Office Office CPLN 12 Architecture 13 200 Office Office CPLN 14 415 200 Office Office CPLN 15 Office Office CPLN 16 Architecture 17 Architecture 18 35 250 Office Office CPLN 18 35 250 Office Office CPLN 19 10 Office Office CPLN 10 10 10 10 10 10 10	3 315 190 Office Office, Family CPLN 3 316 146 Office Office, Family CPLN 3 318 190 Office Office, Family CPLN 3 301 124 Office Office, Family CPLN 4 407 88 Office Office, Stadent CPLN 4 411 200 Office Office, Stadent CPLN 4 411 200 Office Office, Stadent Architecture 4 412 200 Office Office, Stadent Architecture 4 413 200 Office Office, Stadent Architecture 4 415 200 Office Office, Scality Architecture 4 415 200 Office Office Office Office 5 7 0ffice Office Office Office Office 6 415 200	Duhring Wing	3	314	147		Office	Office, Faculty	Z 10	Tonathan Barnott
3 316 146 Office Research CPLN 3 317 146 Office Office Faculty CPLN 4 318 146 Office Office Faculty CPLN 5 212 191 Office Office CHEA, Emeritas CPLN 4 411 200 Office Office Office CHEA 4 412 144 Office Office Office CHEA 4 414 200 Office Office CHEA 4 415 200 Office Office CHEA 5 217 Average 54 Ft. per Office CHEA 6 418 350 Office Office CHEA 7 418 350 Office Office CHEA 8 83 250 Office Office CHEA 9 405 Office Office CHEA 180 Office CHEA 180 Office Office CHEA 180 Office CHEA	3 316 146 Office Research CTLN 3 317 146 Office Office Research CTLN 3 318 146 Office Office Collect CTLN 4 40 184 Office Office Collect CTLN 4 41 124 Office Office Collect CTLN 4 41 120 Office Office Collect CTLN 4 41 200 Office Office Collect Collect 4 41 200 Office Office Collect 5 41 200 Office Office Collect 5 41 200 Office Office Collect 6 41 202 Office Office Collect 7 41 41 Collect Collect Collect 8 83 250 Office Office Collect 9 405 180 Office Office Collect 9 405 405 405 405 9 405 405 405 405 9 405 405 405 405 9 405 405 405 9 405 405 405 9 405 405 405 9 405 405 405 9 405 405 405 9 405 405 405 9 405 405 405 9 405 405 405 9 405 405 405 9 405 405 405 9 405 405 405 9 405 405 9 405 405 9 405 405 9 405 405 9 405 405 9 405 405 9 405 405 9 405 405 9 405 405 9 405 405 9 405 405 9 405 405 9 405 9 405 405 9	Dubring Wing	F	315	190		Mice	Office Faculty	Z	Possessian Carrier
3 317 146 Office	3 317 146 Office	Duhring Wing	· es	316	146		Office	Research	j	14P4N Project
3 318 190 Office Office Faculty CPLN 3 201 Office Office Student CPLN 4 407 88 Office Office Student CPLN 4 411 130 Office Office Student CPLN 4 415 164 Office Office Student Architecture 4 415 200 Office Office Student Architecture 6 31 Architecture Office Office Student Architecture 8 83 250 Office Office Student Architecture 8 83 250 Office Office Student Architecture 9 Applie Office Office Stude	3 318 190 Office Office, Faculty CPLN 3 201 124 Office Office, Student CPLN 4 407 88 Office Office, Student CPLN 4 411 200 Office Office, Student Architecture 4 413 200 Office Office, Scully Architecture 4 414 200 Office Office, Scully Architecture 4 415 202 Office Office, Scully Architecture 4 415 202 Office Office, Scully Architecture 6 415 202 Office Office, Scully Architecture 8 32 Office Office Office, Scully Architecture 8 329 Office Office Office, Scully Architecture 8 405 136 Office Office Office, Scully Architecture 9 160<	Duhring Wing	3	317	146		Office	Office, Faculty	N E	Visiting
2 212 191 Office Office, Emeritas CPLN 4 407 88 Office Office, Student CPLN 4 411 200 Office Office, Faculty Architecture 4 412 164 Office Office Office, Faculty Architecture 4 414 200 Office Office, Faculty Architecture 4 415 200 Office Office, Faculty Architecture 5 70 Office Office, Faculty Architecture 8 83 250 Office Office, Faculty Architecture 8 83 250 Office Office, Faculty Architecture 4 405	2 212 193 Office Office, Emeritas CPLN 4 407 88 Office Office Office Office 4 413 200 Office Office Office Office 4 415 200 Office Office Office Office 4 415 200 Office Office Office Office 4 416 135 Office Office Office Office 5 3 70 Office Office Office Office 6 416 135 Office Office Office Office 8 8 3 200 Office Office Office Office 9 May 180 Office Office Office Office 1 15 180 Office Office Office Office 1 405 180 Office Office	Duhring Wing	ന	318	190		Mice	Office, Faculty	CPLN	Ann Smone
3 301 124 Office Office Student CPLNA 4 407 88 Office Office Office Scully Architecture 4 412 164 Office Office Scully Architecture 4 413 200 Office Office Faculty Architecture 4 415 200 Office Office Faculty Architecture 4 415 202 Office Office Faculty Architecture 5 70 Office Office Faculty Architecture 6 8 70 Office Office Faculty Architecture 8 83 20 Office Office Faculty Architecture 9 70 Office Office Faculty Architecture 180 Office Office Faculty Architecture 4 40 Architecture Office Faculty Architecture 4 40 Architecture Office Faculty Architecture	3 301 124 Office Office Student CPLVN 4 407 88 Office Office Paculty Architecture 4 412 164 Office Office Paculty Architecture 4 413 200 Office Office Paculty Architecture 4 415 200 Office Office Paculty Architecture 4 415 202 Office Office Paculty Architecture 6 416 202 Office Office Paculty Architecture 8 8 250 Office Office Paculty Architecture 8 8 250 Office Office Paculty Architecture 9 May 250 Office Office Paculty Fine Arts - Graduate 4 405 167 Arceage Sq. P. per Office in Morgan 225 Architecture 4 405 167 Office Office Paculty Architecture 6 067	Duhring Wing	c	212	161			Office, Emeritus	OPEN.	Britton Harris
4 407 88 Office Office Actinicative 4 411 200 Office Office Office Actinicative 4 413 200 Office Office Office Office 4 415 200 Office Office Office Office 4 415 202 Office Office Office Office 5 202 Office Office Office Office 6 415 202 Office Office Office Office 7 203 Office Office Office Office 8 83 250 Office Office Office 9 80 Office Office Office 10 10 10 10 11 12 Office Office Office 12 Office Office Office 13 Avgo Office Office Office 14 15 Office Office Office 15 Office Office Office 15 Office Office Office 16 Office Office Office 17 Office Office Office 18 Office Office Office 18 Office Office Office Office 18 Office	4 407 88 Office Office Parulty Fine Arts - Graduate 4 411 200 Office Office Parulty Architecture 4 413 200 Office Office Parulty Architecture 4 414 200 Office Office Parulty Architecture 4 415 202 Office Office Parulty Architecture 8 32 Office Office Parulty Architecture 9 135 Office Office Parulty Architecture 8 220 Office Office Parulty Architecture 9 180 Office Office Parulty Fine Arts - Graduate 4 405 187 Arceage Sq. R. per Office in Death office Traculty Architecture 4 405 167 Office Parulty Architecture 4 405 167 Office Parulty Architecture	Duhring Wing	m	301	124			Office, Student	215	Phd Candidates
4 411 200 Office Office Architecture 4 412 164 Office Office Architecture 4 413 200 Office Office Architecture 4 415 220 Office Office Architecture 4 416 322 Office Office Architecture 6 416 326 Office Office Architecture 8 83 229 Office Office Architecture 9 Avg Office Office Office Architecture 3 Avg Office Office Architecture 4 405 167 Office Architecture 4 405 167 Architecture Architecture Office Architecture 4 405 Office Office Architecture 60 Office Architecture Architecture	4 411 200 Office Office Faculty Architecture 4 412 204 Office Office Faculty Architecture 4 415 200 Office Office Faculty Architecture 4 415 202 Office Office Faculty Architecture 6 416 134 Office Office Faculty Architecture 8 83 220 Office Office Faculty Architecture 9 M39 180 Office Office Faculty Fire Art - Gaduste 4 405 405 180 Office Office Faculty Fire Art - Gaduste 4 405 405 180 Office Office Faculty Fire Art - Gaduste 4 405 405 180 Office Office Faculty Architecture 4 405 405 Office Office Faculty Architecture	Duhring Wing	4	407	88	U	Office	Office, Faculty	Fine Arts - Graduate	Terry Adkins
4 412 164 Office Office Faculty Architecture Office Faculty Fire Arts - Gaduate Office Back Figure Office Faculty Fire Arts - Gaduate Architecture Architecture Office Faculty Architecture O	4 412 164 Office Office Faculty Architecture 4 413 200 Office Office Architecture 4 415 200 Office Office Office Architecture 4 415 202 Office Office Office Architecture 8 3247 Average Sq. R. per Office in Debring; 1665 Architecture Office Office Architecture 9 AS 250 Office Office Office Architecture 4 405 167 Average Sq. R. per Office in Morgan Architecture 4 405 167 Office Office Architecture 18T Average Sq. R. per Office in Morgan Architecture	Duhring Wing	4	411	200	<u> </u>	Office	Office, Faculty	Architecture	Ali Malkawi
4 413 200 Office Office, Faculty Architecture Office, Faculty Office Office, Faculty Architecture Office Office, Faculty Architecture Office Office, Faculty Architecture Office, Office, Faculty Architecture B 83 254 Office Office, Faculty Fire Arts. Graduate 3 M30 180 Office Office, Faculty Fire Arts. Graduate 3 M30 180 Office Office, Faculty Fire Arts. Graduate Arts Arts Conductor Office, Faculty Fire Arts. Graduate Arts Arts Conductor Office, Faculty Fire Arts. Graduate Arts Arts Conductor Office, Faculty Architecture Arts Arts Conductor Office, Faculty Architecture Arts Arts Conductor Arts Arts Architecture Arts Arts Arts Architecture Office, Faculty Architecture Architecture Architecture Arts Architecture A	4 413 200 Office Office Faculty Architecture 4 414 202 Office Office Faculty Architecture 4 415 202 Office Office Accident Architecture 6 415 202 Office Office Faculty Architecture 7 136 203 Office Office Faculty Architecture 8 23 250 Office Office Faculty Fine Arts - Graduate 9 M39 180 Office Office Faculty Fine Arts - Graduate 1 405 187 Office Office Boogsan Architecture Office Faculty Fine Arts - Graduate Arenge Sq. R. per Office In Magne 215 Office Office Faculty Architecture 1 405 187 Average Sq. R. per Office in Magne 215	Duhring Wing	4	412	16	U	Hice	Office, Faculty	Architecture	Adjunct Office
4 414 220 Office Office, Faculty Architecture 4 415 222 Office Office, Faculty Architecture 4 416 235 Office Office, Faculty Architecture 8 83 229 Office Office, Faculty Architecture 9 83 229 Office Office, Faculty Fire Arts - Graduate 9 83 329 Office Office, Faculty Fire Arts - Graduate 9 430 180 Average 5q. Ft. per Office in Morgan 215 157 Office Paculty Architecture 157 Average 5q. Ft. per Office in Morgan 215 158 Average 5q. Ft. per Office in Morgan 215 158 Average 5q. Ft. per Office in Morgan 215 159 Average 5q. Ft. per Office in Morgan 215 150 Average 5q. Ft. per Office in Morgan 215 150 Average 5q. Ft. per Office in Morgan 215 150 Average 5q. Ft. per Office in Morgan 215 150 Average 5q. Ft. per Office in Morgan 215 150 Average 5q. Ft. per Office in Faculty Architecture 150 Average 5q. Ft. per Office in Energy 215 150	4 414 200 Offlice Offlice, Faculty Architecture 4 415 222 Offlice Office, Faculty Architecture 8 3217 Arcrage 8q. R. per Office, Boulty Architecture 8 B3 250 Office Office Office, Faculty Fire Arts - Graduate 9 A30 Arcrage 8q. R. per Office, in Morgan. 218 Fire Arts - Graduate Fire Arts - Graduate 4 405 167 Office Office Office in Morgan. 218 Architecture 187 Average 5q. R. per Office, in Morgan. 218 Architecture Architecture	Juhring Wing	্ব	413	200	Ų	Affice	Office, Faculty	Architecture	Atkin
4 415 202 Office Office Faculty Architecture Office Paculty Architecture Office Office Paculty Architecture Office Office Paculty Architecture 2 3137 Arceage Sq. R. per Office in Dueling 1638 Architecture Office Paculty Firm Arts - Graduate Office Paculty Firm Arts - Graduate Office Paculty Firm Arts - Graduate Arts	4 415 202 Office Office Office and bearing Architecture 4 416 1345 Office Office and bearing Architecture 5 3217 Arcerage 54. Pt. per Office in Debring 16055 Fine Arts - Graduate 5 NA90 Office Office Faculty Fine Arts - Graduate 4 405 167 Average 54. Pt. per Office in Mospar 215 Architecture 4 405 167 Office Office Faculty Architecture 187 Average 54. Pt. per Office in Funess 167 Architecture	Juhring Wing	4	414	200	ب	office	Office, Faculty	Architecture	Tony Atkin
4 416 136 Office Office Faculty Architecture 2371 Average Sq. R. per Office in Duchmig 16038 8 83 259 Office Office Faculty Fine Arts - Graduate 3 M39 130 Office Office Faculty Fine Arts - Graduate 4 45 ASP OFFICE OFFICE Faculty Fine Arts - Graduate 4 45 ASP OFFICE OFFICE Faculty Fine Arts - Graduate 4 45 ASP OFFICE Faculty Fine Arts - Graduate Average Sq. R. per Office in Morgan 215 Average Sq. R. per Office in Morgan 215 Average Sq. R. per Office in Faculty Architecture 4 45 ASP OFFICE Faculty Architecture 5 Average Sq. R. per Office in Faculty Architecture 6 ASP OFFICE Faculty Architecture	4 41s 136 Office Office Office Architecture 8 3717 Average Sq. Ft per Office in Dubring; 1835 Architecture 3 M50 180 Office Office Piculty Fine Arts - Graduate 4 405 180 Office Office Piculty Fine Arts - Graduate 4 405 167 Office Office Faculty Architecture 187 Average Sq. R. per Office in Burges 157 Architecture	Juhring Wing	4	415	202	<u> </u>	Hice	Office, Faculty	Architecture	Adjunct Office
S	3 3217 Average Sq. Ft. per Office in Debring, 160.85 3 M30 Office Office Faculty Fine Arts - Graduate 4 405 167 Office Office in Morgan 215 5 Office Office in Morgan 215 6 Office Office in Morgan 215 7 Office Office in Morgan 215 8 Average Sq. R. per Office in Morgan 215 8 Average Sq. R. per Office in Purpess 167 9 Office Faculty Architecture 152 Average Sq. R. per Office in Furness 167 163 Office Faculty Architecture 164 Office Faculty Office Faculty 165 Office Faculty Office	Juhring Wing	4	416	136	C	Hice	Office, Faculty	Architecture	Marion Weiss
B B3 250 Office Office Office Colfice Faculty Firms Arts - Graduate 3 M39 18 Office Office in Morgan 215 Fine Arts - Graduate 4 405 16 Office Office in Morgan 215 Architecture 4 405 16 Architecture Office Enably Architecture	B B3 250 Office Office Office Fire Arts - Graduate 3 M30 Office Architecture 187 Average Sq. R. per Office in Numess 167 Architecture Architecture Architecture	subtotal:			3217	4	verage Sq. Ft. per Or	fice in Duhring: 160	581	
3 M30 180 Office Office, Faculty Fine Arts - Gaduate 4 405 167 Office, Eaculty Architecture 4 405 167 Office, Eaculty Architecture 6 Office, Eaculty Architecture 6 Architecture Architecture 6 Architecture Architecture	3 M39 180 Orlice Office Office is Confidented 4 405 429 Average Sq. Ft per Office in Magan 215 Architecture 4 405 450 Office Office, Boulty Architecture 167 Average Sq. Rt per Office in Furness 167 Architecture	Aorgan Building	œ	B3	28	Ų		Office, Faculty	Fine Arts - Graduate	I. Nakazato, B. Kreydatus, S. Kaylor
630 Average Sq. Ft. pet Office in Morgan: 25 p. A. 405 167 Office Active	430 Average Sq. Ft. per Office in Morgan: 215 P. Arthitecture Office, Parulty Arthitecture 151 Average Sq. Ft. per Office in Furness: 167 Average Sq. Ft. per Office in Furness: 167	Aorgan Building	3	M30	180	U	Hice	Office, Faculty	Fine Arls - Graduate	Adjunct Office
re Arts 4 405 167 Office Office, Faculty Architecture	pe Arts 4 405 167 Office Office Paculty Architecture 157 Average Sq. Pt par Office in Furness: 167 Architecture	subtotal:			430	V	verage Sq. Ft. per Of	fice in Morgan: 215		
157 Average So It not Office in Europe, 157	167 Average Sq. Pt. per Office in Furness. 167	isher Fine Arts	4	405	167	O	ffice	Office, Faculty	Architecture	Joseph Rykwert
		inbtotal:			167	<	verage Sq. Ft. per Of	fice in Furness: 167		



GSFA RELOCATION STUDIES - ALTERNATIVE SITE "E" - MEYERSON HALL SITE

DETAILED USER NEEDS / SITE-FIT STUDY

TERMS OF REFERENCE

This study continues on from the GSFA Relocation and Space Needs studies of December 10, 2001.

The more detailed study of the Meyerson Hall site is motivated by general preference of the GSFA faculty to retain the current location, close to the Fisher Fine Arts Library and on a key part of the College Green precinct.

This study addresses the basic space needs, locational preferences for groups of spaces within the building envelope, conditions of natural light, ventilation, view etc. for the spaces and the impact that a larger building envelope would have on adjacent buildings, open spaces and visual axes of the campus.

PROGRAM

A building program of approximately 130,000 square feet has been assumed.

(approximately 10,000 square feet including Architectural Archives, the Apse Kahn studio and rooms 306, 406, 039 and ancillary It has also been assumed that the GSFA will retain the use of currently used facilities in the Fisher Fine Arts library office and seminar spaces.)

It is assumed that currently GSFA-used space in Duhring Wing will be relinquished.

SITE CONSTRAINTS - HEIGHT LIMITS

A basic height limit matching the existing top level of the Meyerson Hall flat roof parapets has been assumed. (Level 108'4" above datum

The height of the proposed angled skylights of the new building has been kept at level 114'0", four feet lower than the existing skylights and 10'0" back from the new building face.

The height of the proposed HVAC penthouse is some 8'0" lower than the level of the current Meyerson penthouse thereby reducing the "long-view" visual bulk of the building.

SITE CONSTRAINTS - PLAN FOOTPRINT

The length of the North East end of the proposed new footprint has been limited to line up with the façade set-back of Bennett

The extent of the West face of the new footprint is slightly shorter and displaced 3'0" Northwards from the façade of the existing Meyerson building. The extent of the South face curves from slightly back from the current building facade to slightly forward of it on the East corner. The new footprint on the East, 34th Street side, follows the same façade line of the Lea Library extension to the Fisher Fine Arts ibrary and follows the front line of the 3401 building on the other side of Walnut Street.

VEIW AXES

respond, in a fragmented way, to the curved North end of the Fisher Fine Arts Library and to visually "hold" the forecourt terrace Eastwards, up Woodland Terrace Westwards and along the Eastern edge of College Green. The curved South façade is shaped to By containing the footprint of the new building within these limits the critical view angles are maintained down Locust Walk slightly, before the view passes across 34th Street and is deflected down Smith Walk.

CONCEPTUAL AIMS

The main intentions for the building are as follows:

- 1. To present an active, animated, "busy" building to this corner entry point of Penn's campus.
 - To provide attractive entry points from both Locust Walk and the South terrace.
- To create an active, animated, well-lit internal working courtyard in the heart of the building where large sculptures, building modules or performance activities could take place.
 - To create large-span column-free floor plates to afford maximum flexibility for short or long term changes. 4
- To organize HVAC, electrical, network and other services in soffit hung horizontal duct-runs and ceiling grids so as to reinforce this flexibility 5
- To optimize the energy equations of the building by using sophisticated computer controlled climate control mechanisms, which optimize natural ventilation through openable windows and skylights, sliding sunscreens, etc. 6.
 - To optimize natural day lighting to as many rooms as possible and as deeply into the floor plates as possible, by means of reflective light shelves - white painted flat soffit ceilings etc. N.
 - To create a double-layered facade skin to the building which would offer depth for sunscreening and visual transparency to the façades of the building thereby increasing interest in the building and decreasing the visual mass of the envelope.

3

First thoughts are to use a metal hung perforated terra-cotta horizontal grillage of the same color as the Vagelos laboratories further down 34th Street and closer in color to the bricks of the Fisher Fine Arts Library opposite.

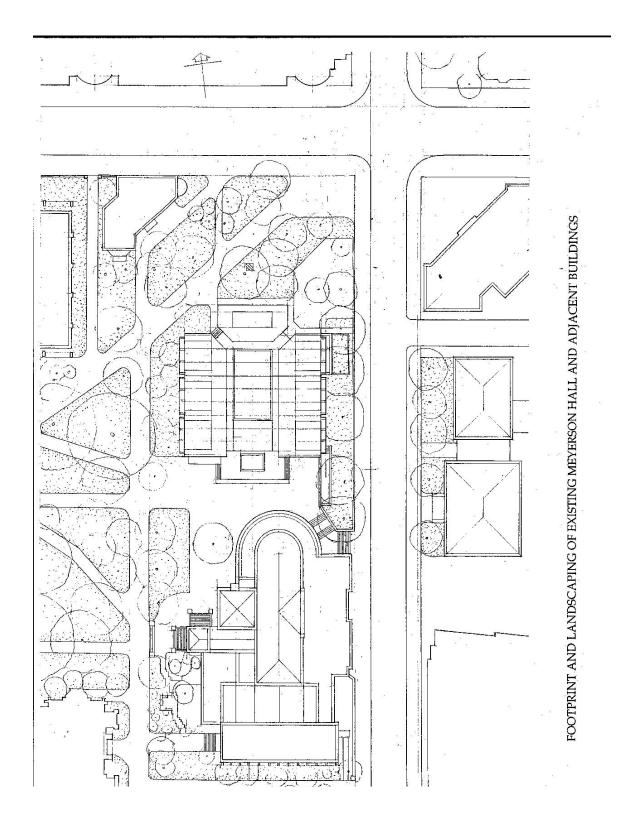
CONCLUDING COMMENTS

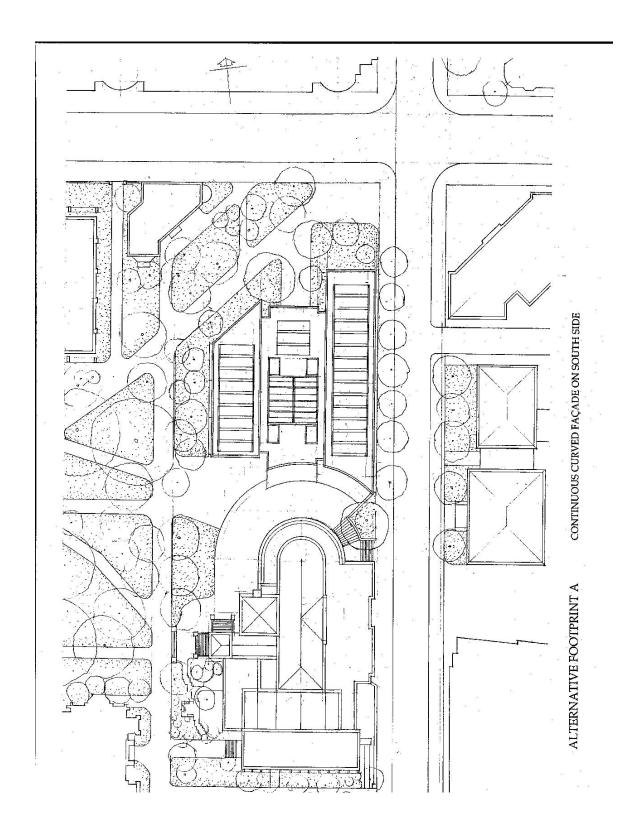
These are very basic thoughts and diagrams, generated in a very limited time frame, done purely to explore further the overall feasibility of re-using the Meyerson Hall site to accommodate a future GSFA of about 550 total population, about 50 more than as of Spring Term 2002.

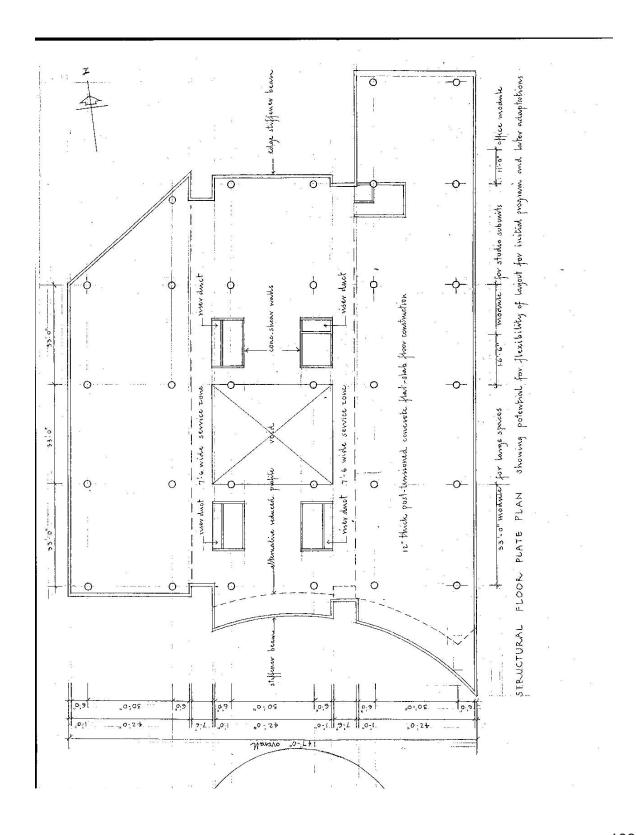
Obviously if this 550 number is reduced the "fit" would be easier and the building envelope reduced some ten percent.

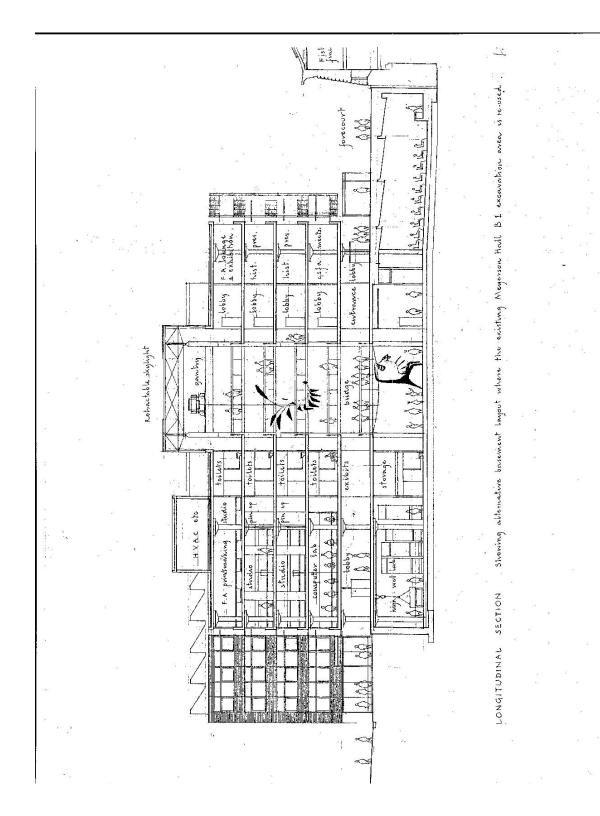
Comments, criticisms, suggestions are welcome.

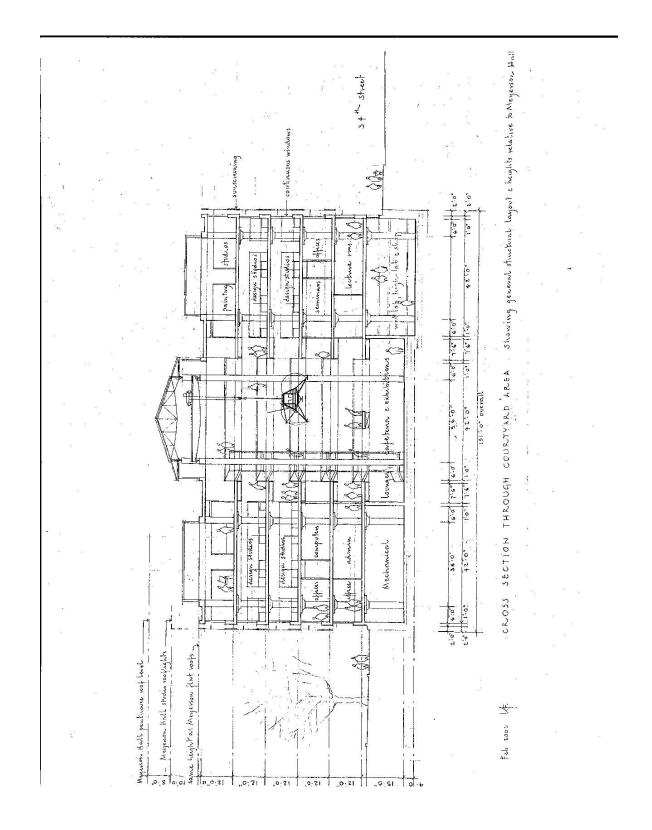
Lindsay Falck 6 March 2002

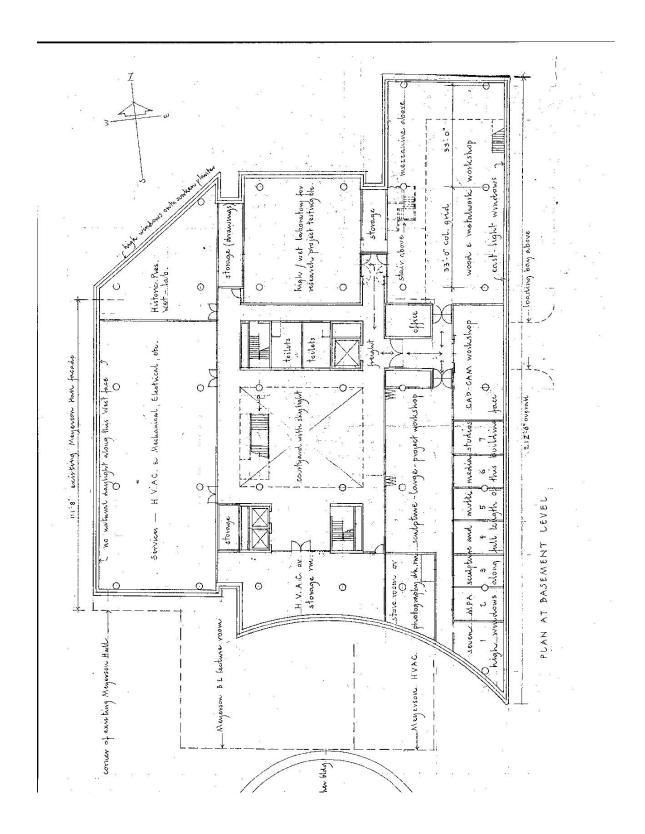


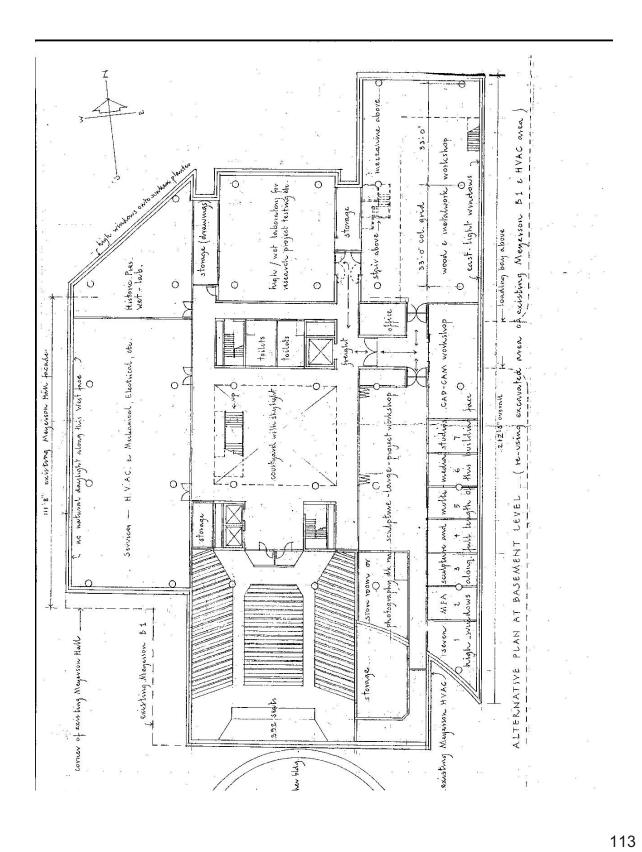


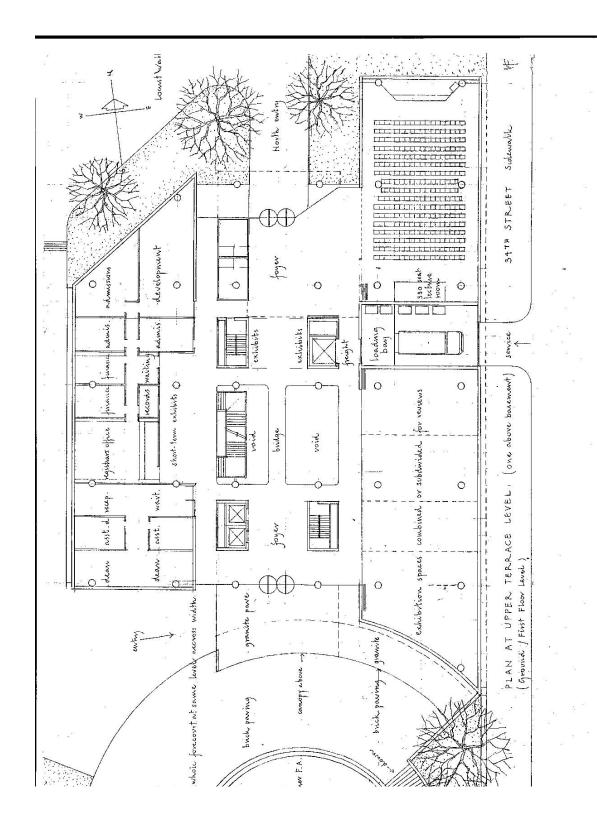


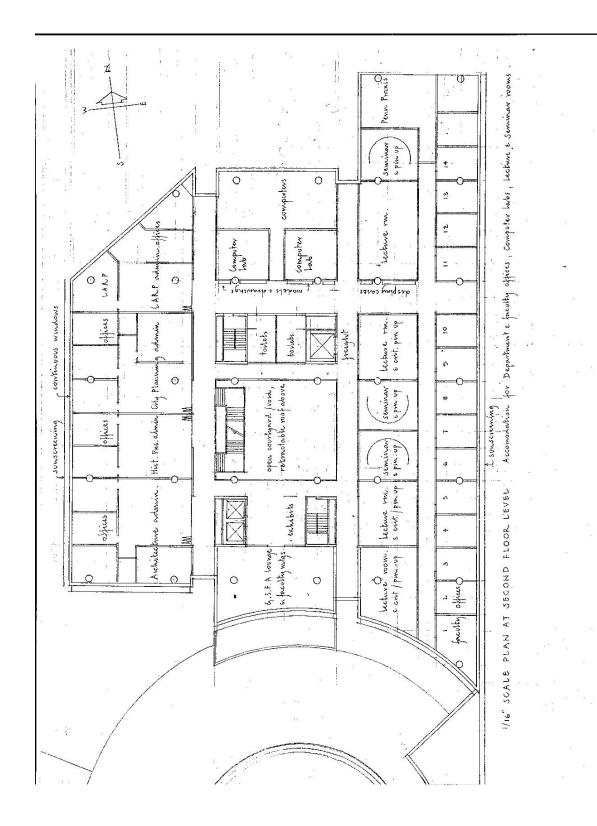


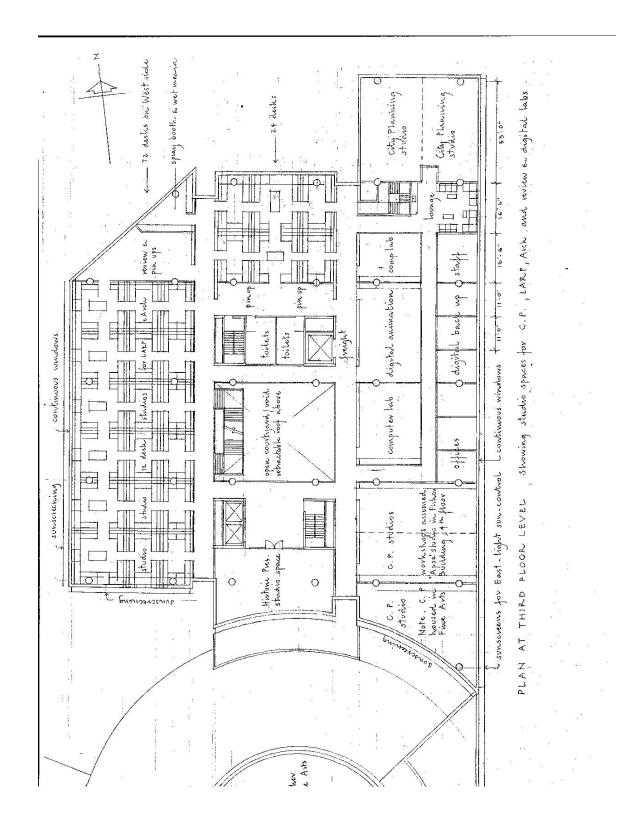


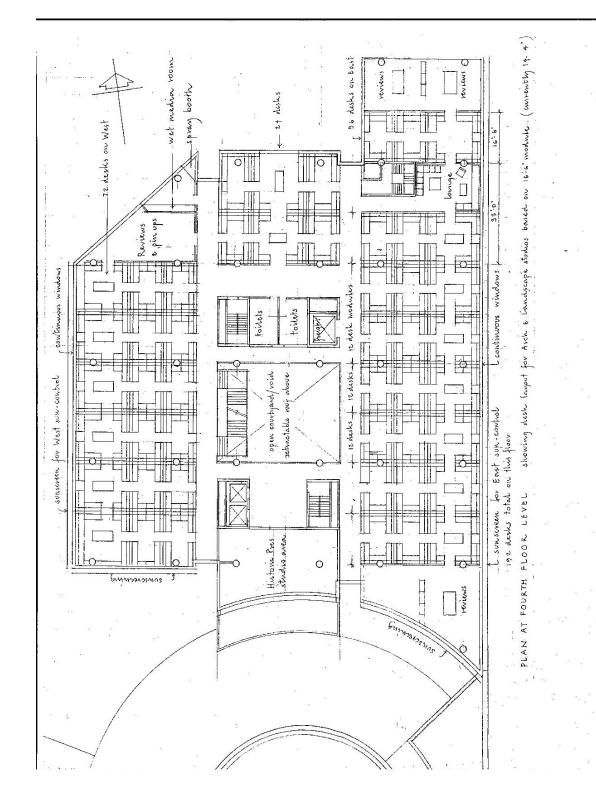


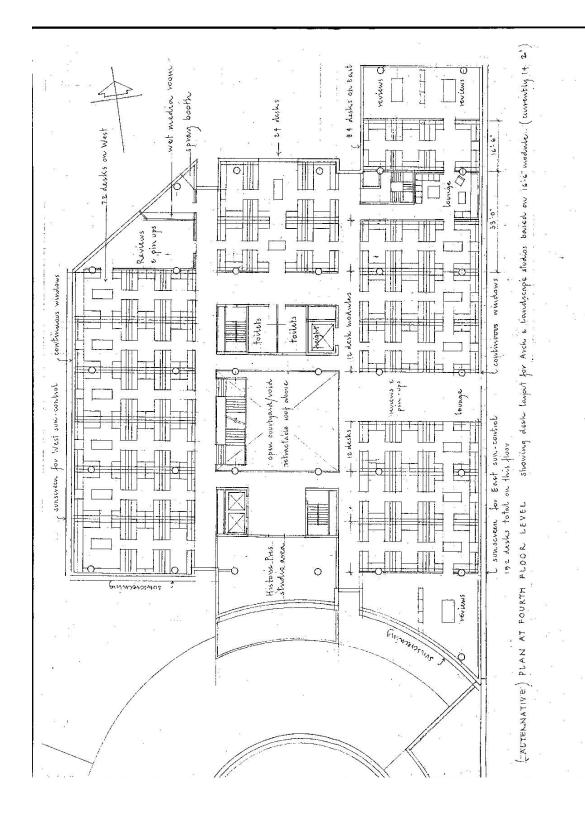


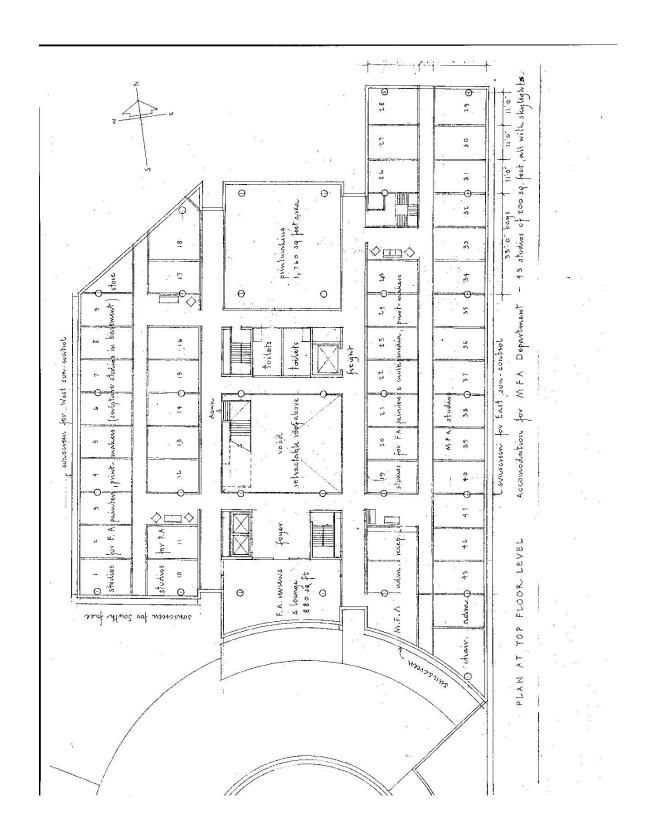


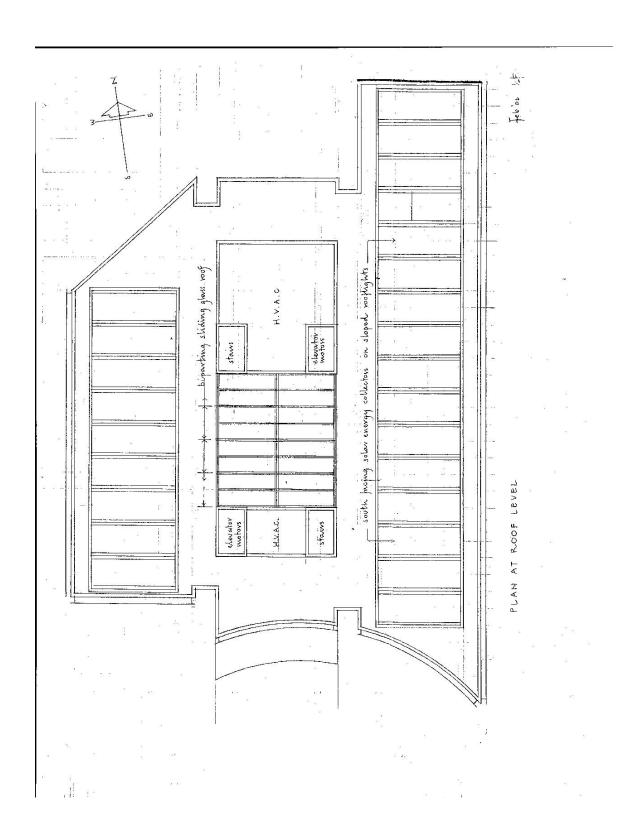


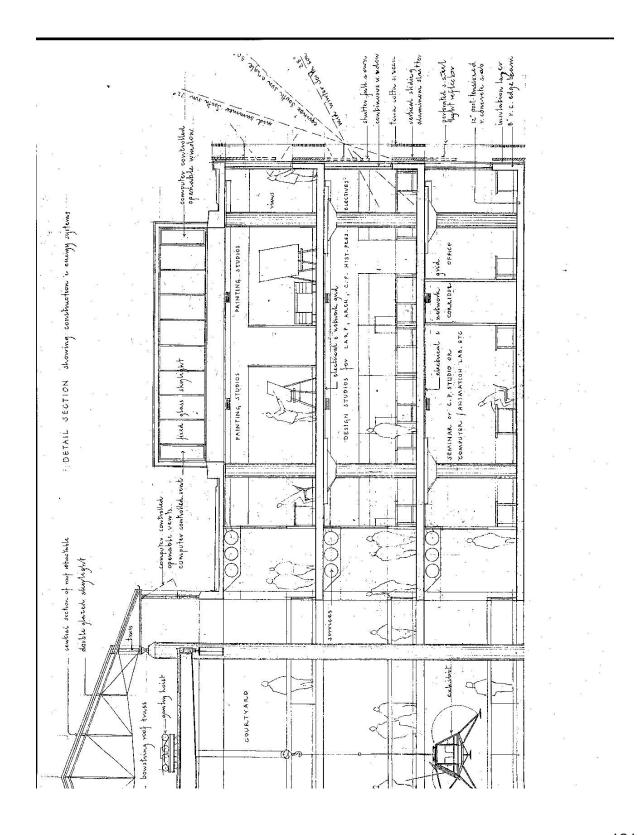


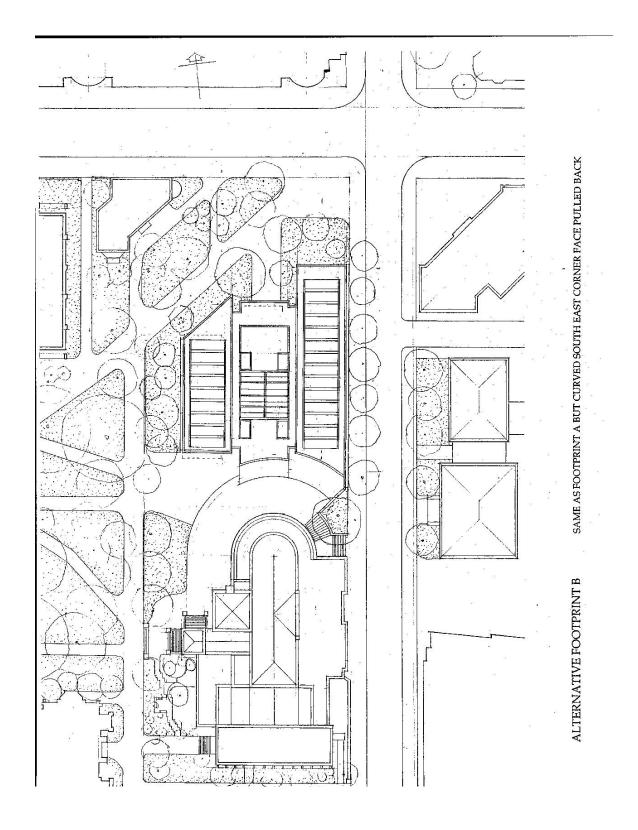


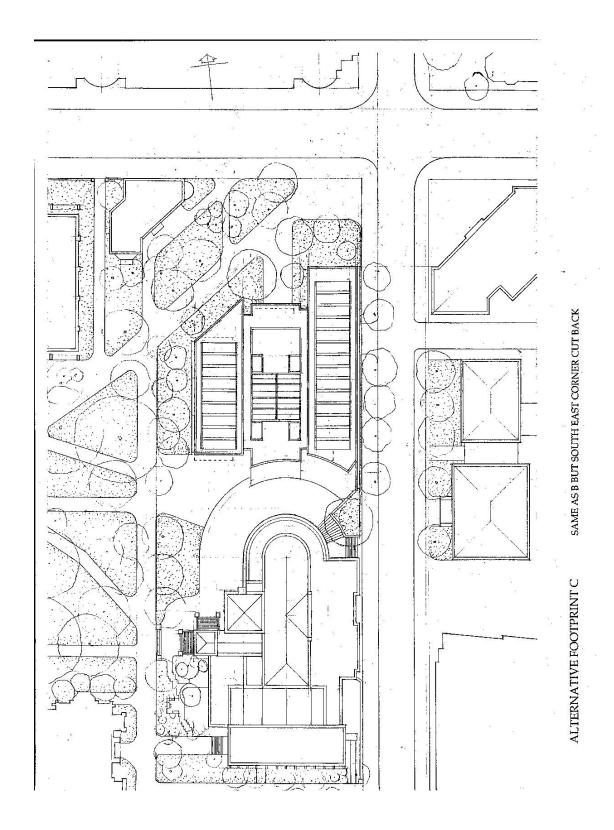


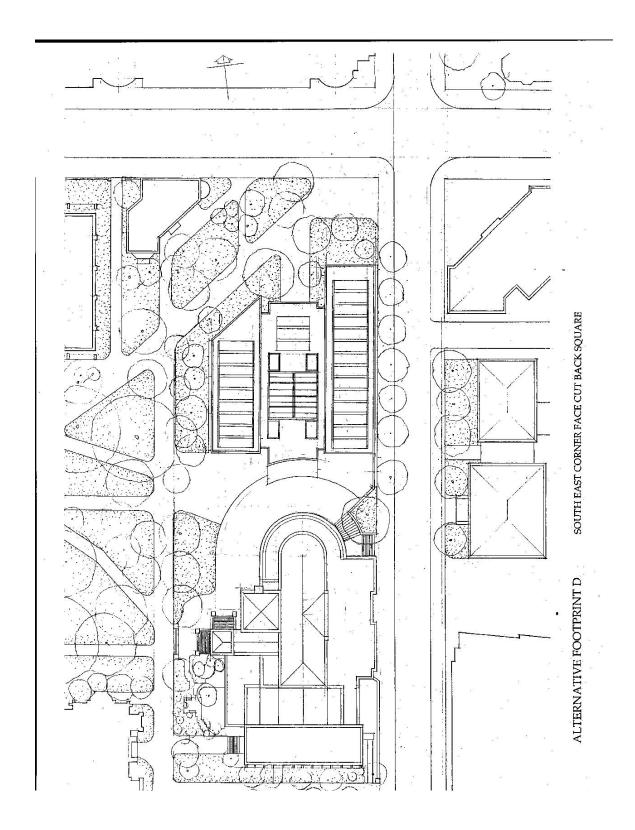


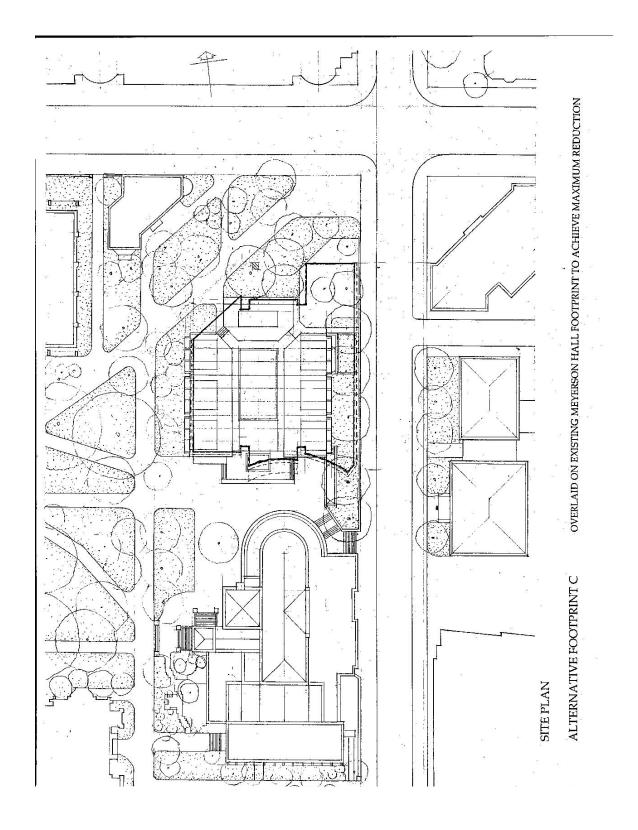


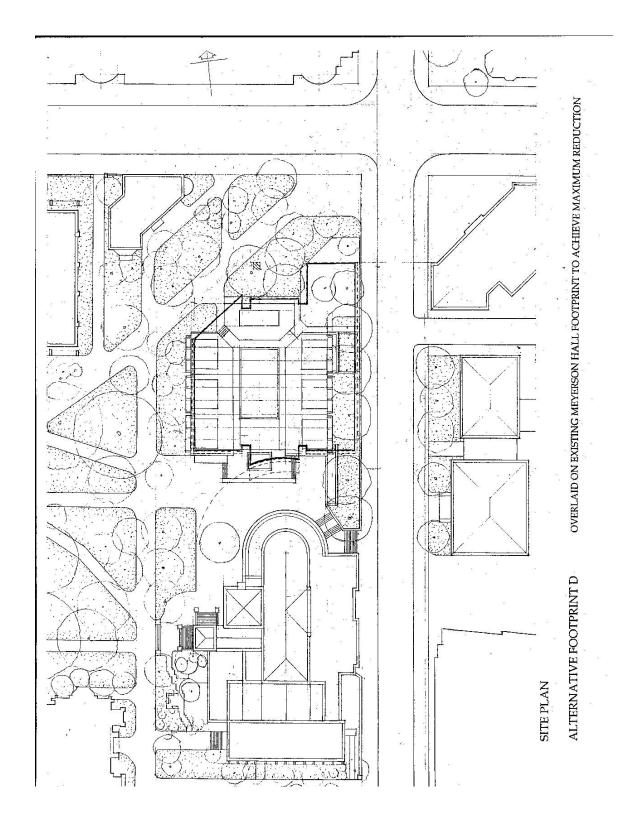












Appendix E

Proposed Addition to Meyerson Hall

University of Pennsylvania School of Design

Graduate Program in Historic Preservation

A Thesis in Historic Preservation

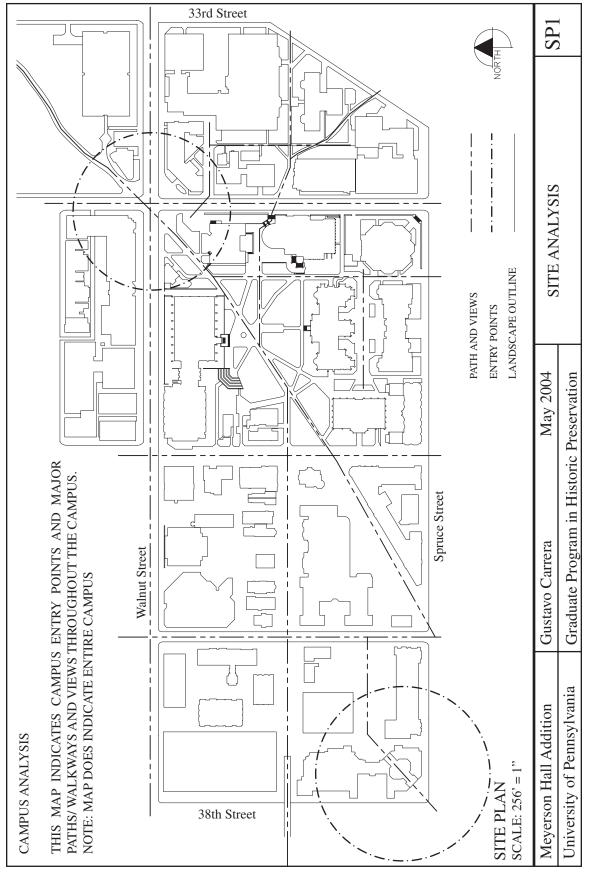
Author: Gustavo Carrera Advisor: David G. DeLong

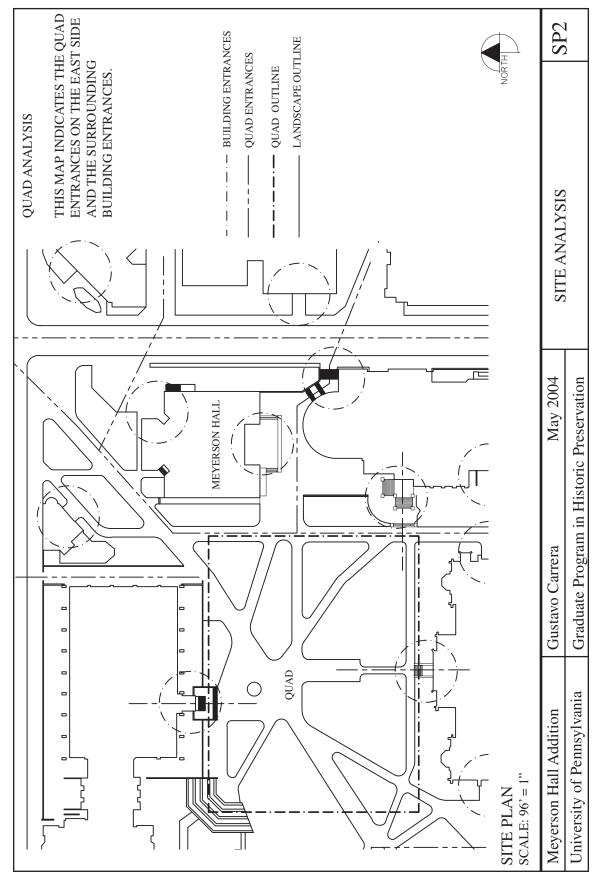
May 2004

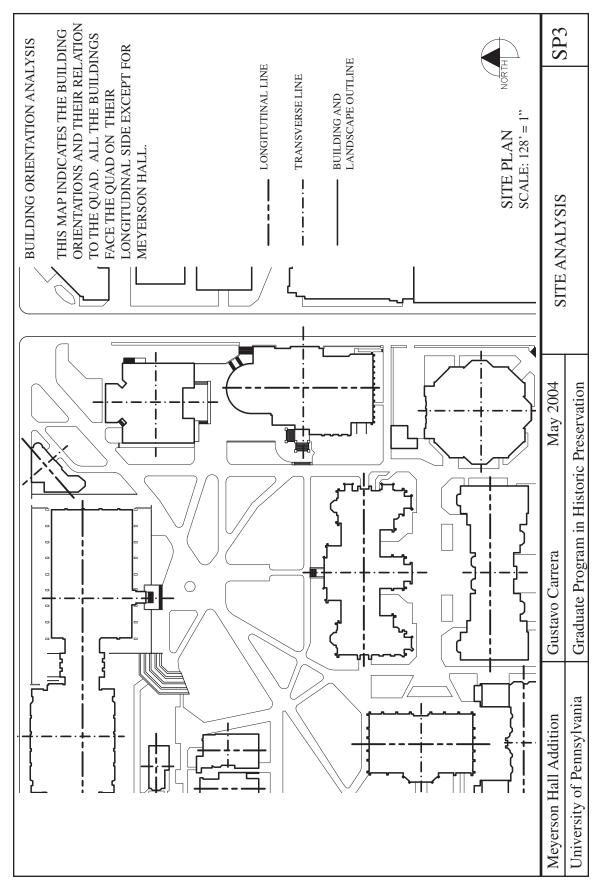
List of Drawings

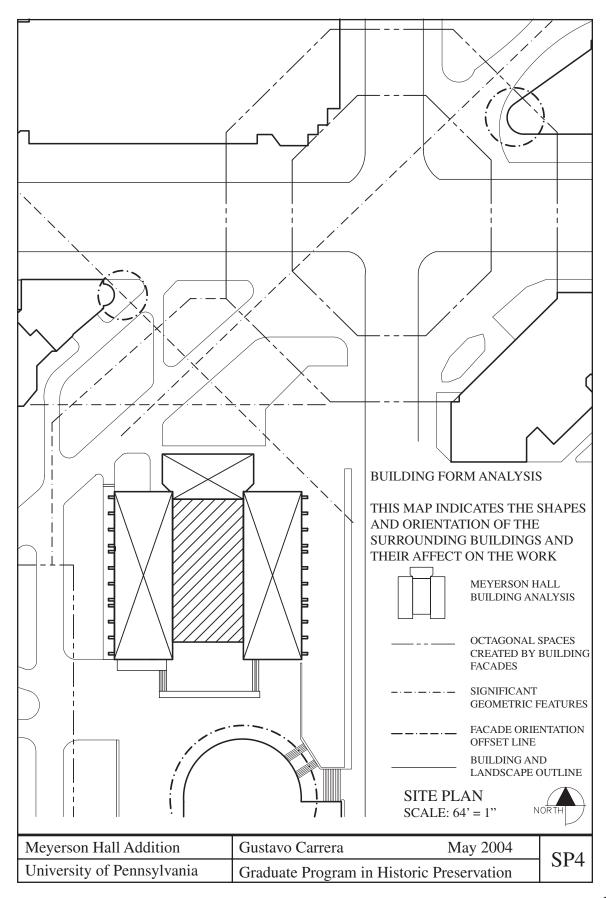
- T1 Title Page
- SP1 Site Analysis: Campus Analysis
- SP2 Site Analysis: Quad Analysis
- SP3 Site Analysis: Building Orientation Analysis
- SP4 Site Analysis: Building Form Analysis
- EX1 Existing Conditions: Site Plan
- EX2 Existing Conditions: Basement Plan
- EX3 Existing Conditions: Ground Floor Plan
- EX4 Existing Conditions: First Floor Plan
- EX5 Existing Conditions: Second Floor Plan
- EX6 Existing Conditions: Third Floor Plan
- EX7 Existing Conditions: Fourth Floor Plan EX8 Existing Conditions: Roof Plan
- EX9 Existing Conditions: North Elevation
- EX10 Existing Conditions: South Elevation
- EX11 Existing Conditions: East Elevation
- EX12 Existing Conditions: West Elevation
- EX13 Existing Conditions: 3D Interpretation
- A1 Proposed Design: Site Plan
- A2 Proposed Design: Basement Plan
- A3 Proposed Design: Ground Floor Plan
- A4 Proposed Design: First Floor Plan
- A5 Proposed Design: Second Floor Plan
- A6 Proposed Design: Third Floor Plan
- A7 Proposed Design: Fourth Floor Plan
- A8 Proposed Design: Roof Plan
- A9 Proposed Design: North Elevation
- A10 Proposed Design: South Elevation
- A11 Proposed Design: East Elevation
- A12 Proposed Design: West Elevation
- A13 Proposed Design: Plot Plan with Section Markers
- A14 Proposed Design: Longitudinal Section
- A15 Proposed Design: Transverse Section
- A16 Proposed Design: Transverse Section
- A17 Proposed Design: Elevations in Context

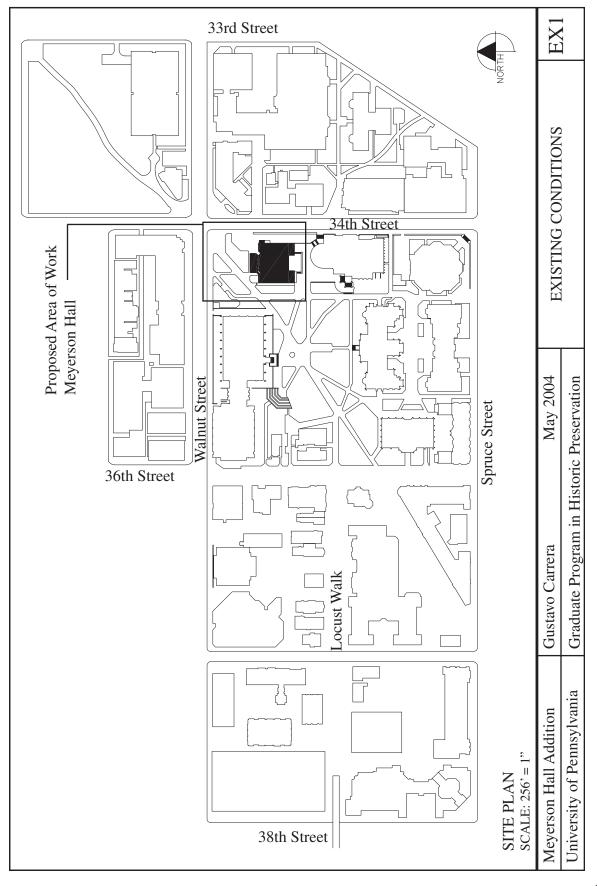
Meyerson Hall Addition	Gustavo Carrera May 2004	
University of Pennsylvania	Graduate Program in Historic Preservation	

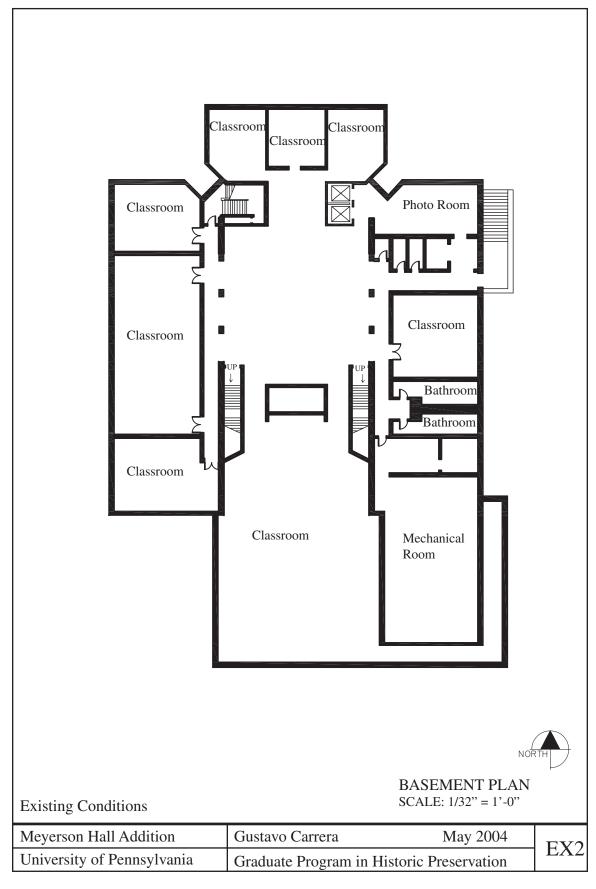


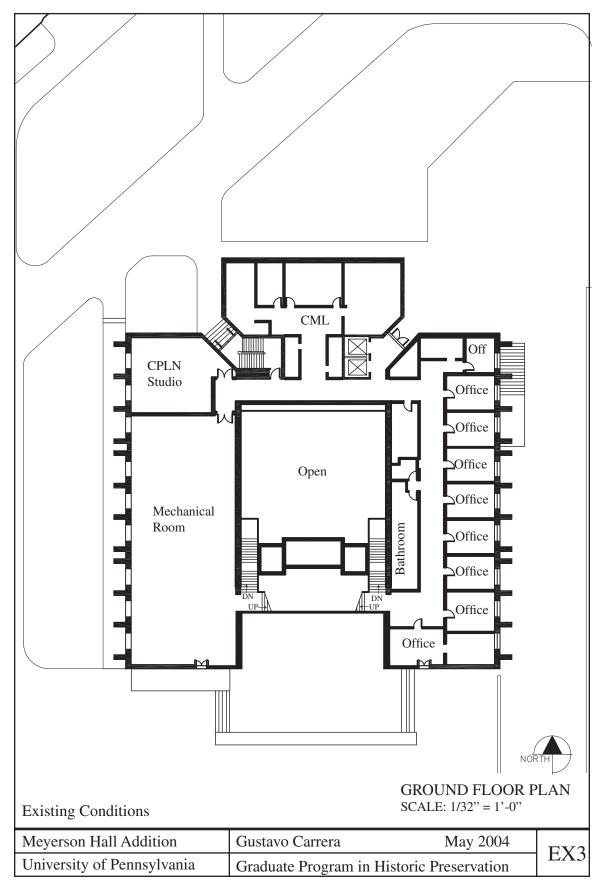


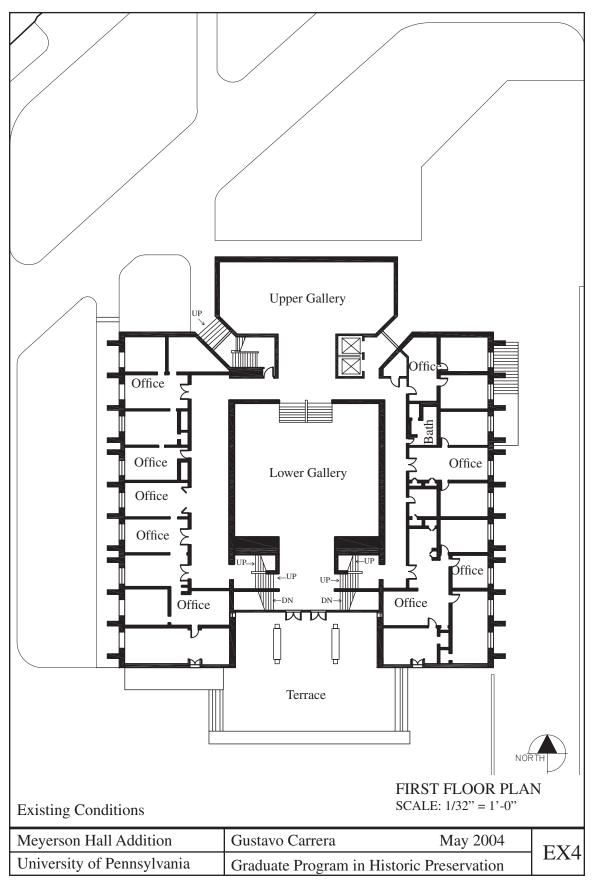


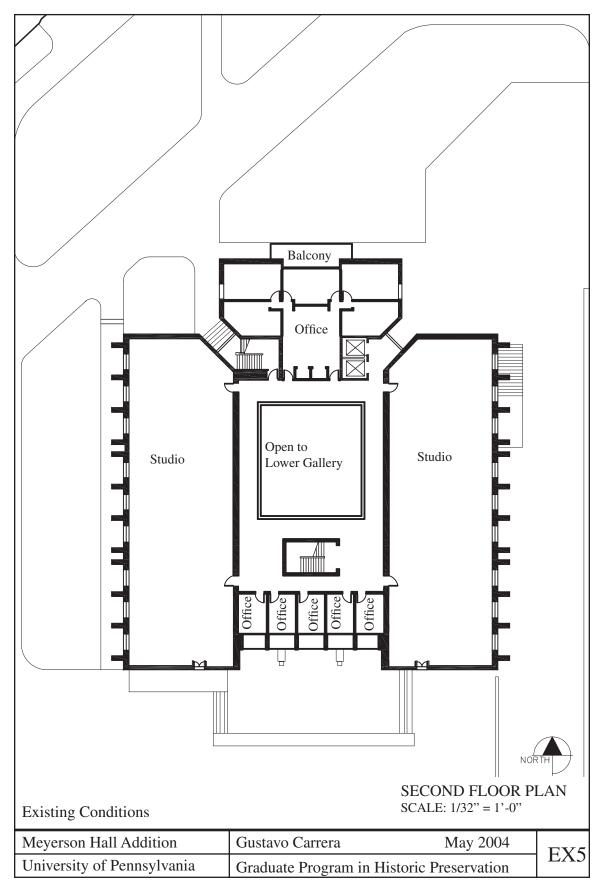


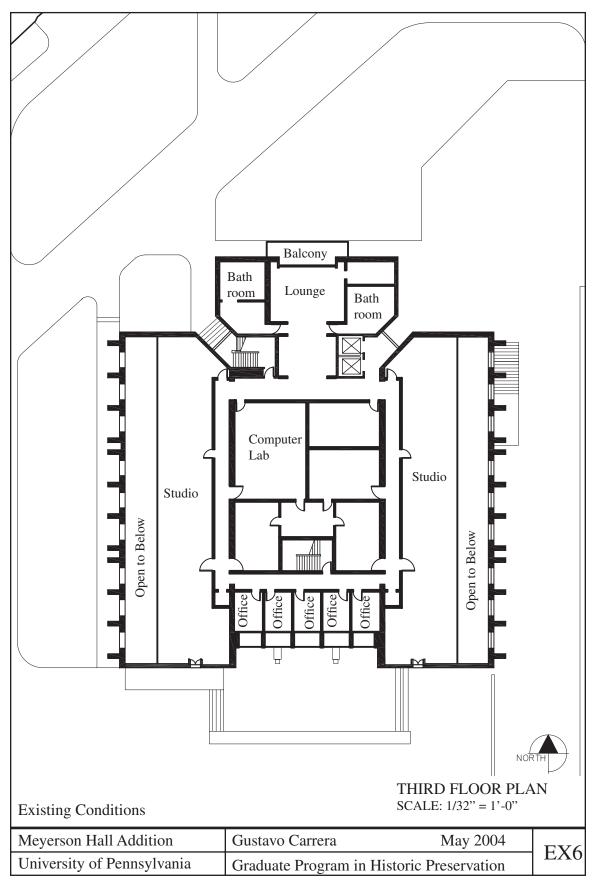


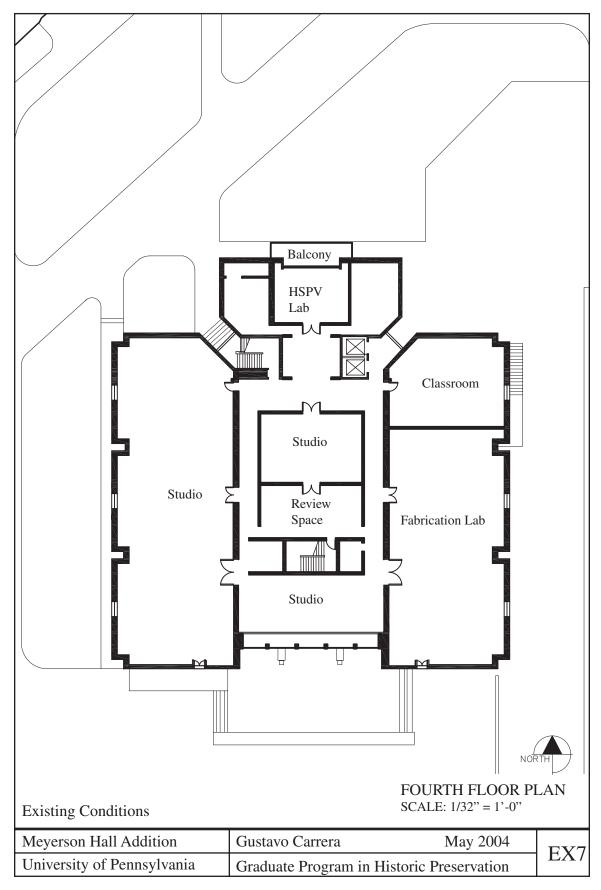


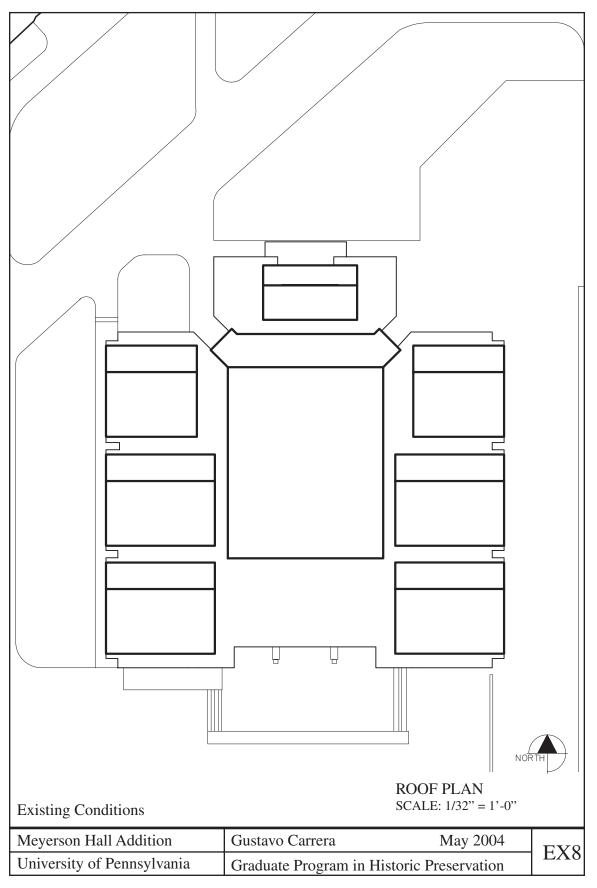


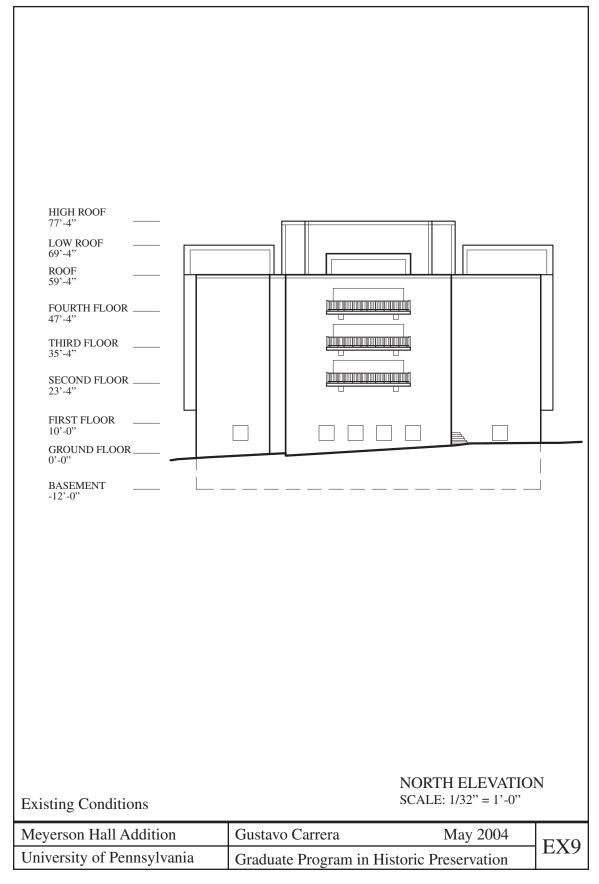


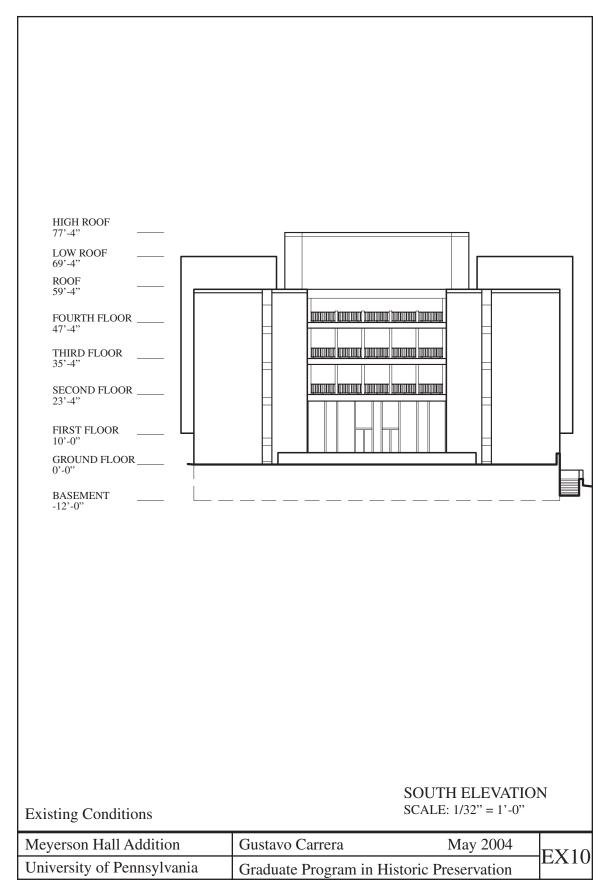


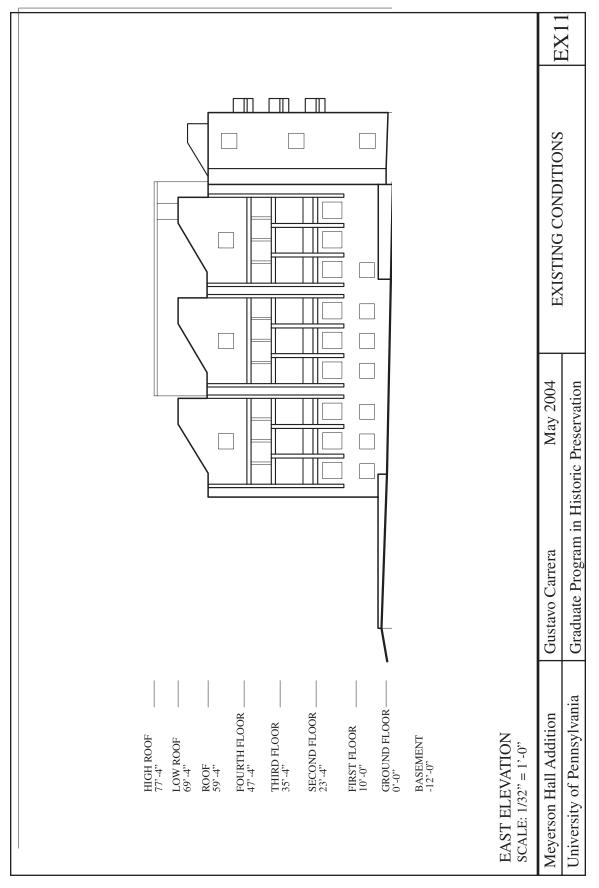


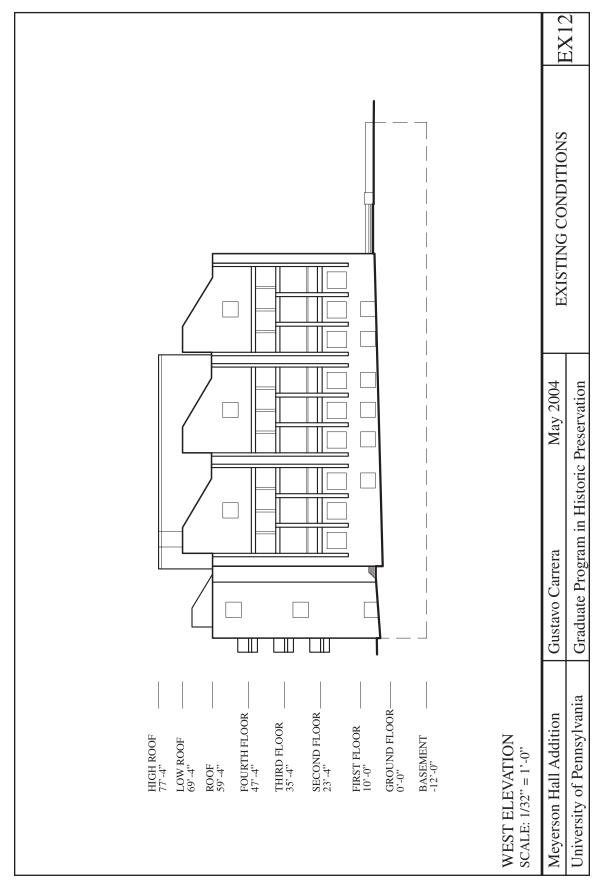


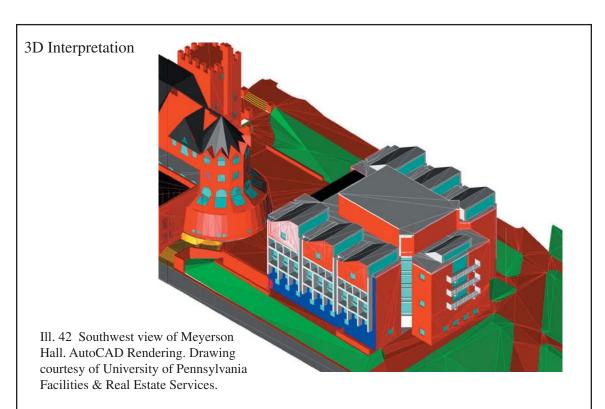










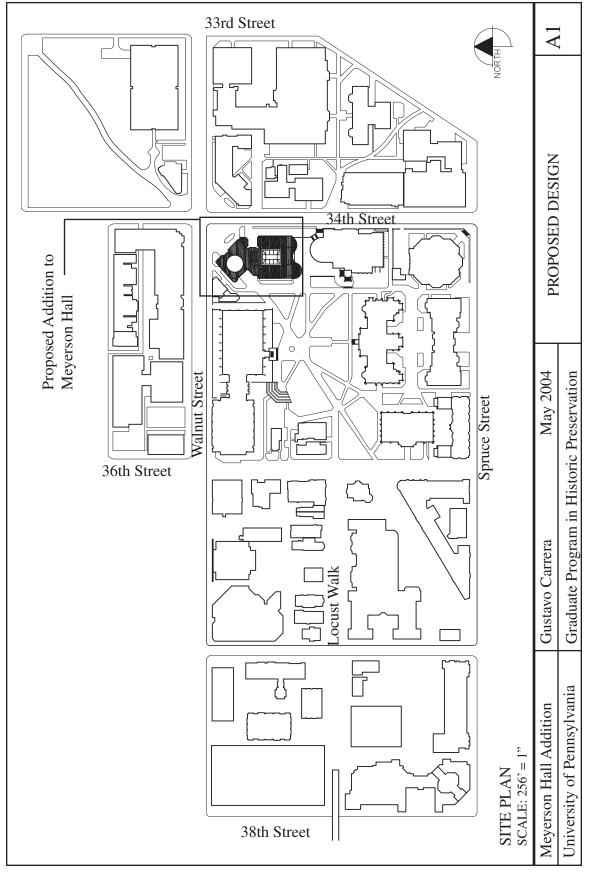


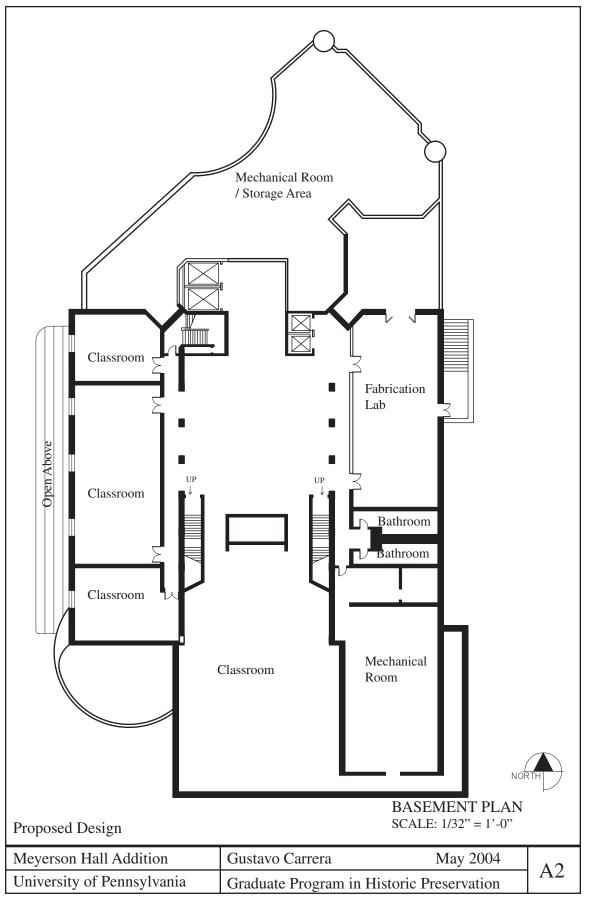


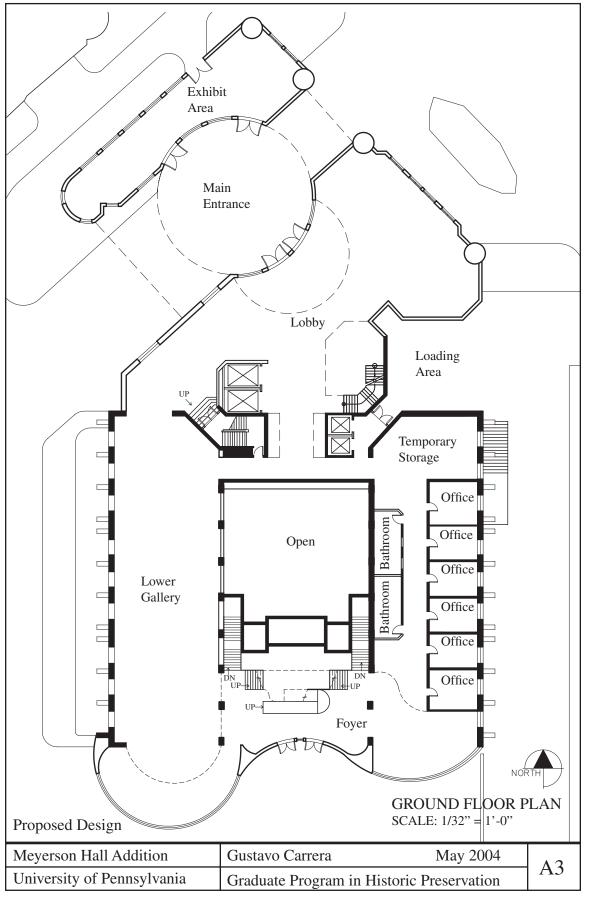
Ill. 43 Campus Site Model. Southwest view of Meyerson Hall. Photo of University of Pennsylvania Facilities & Real Estate Services Campus Site Model

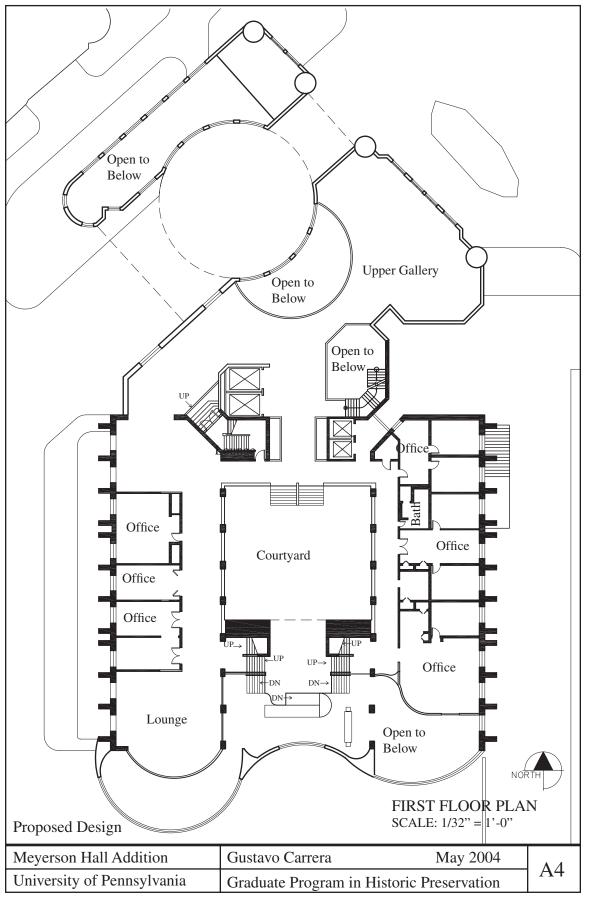
Existing Conditions

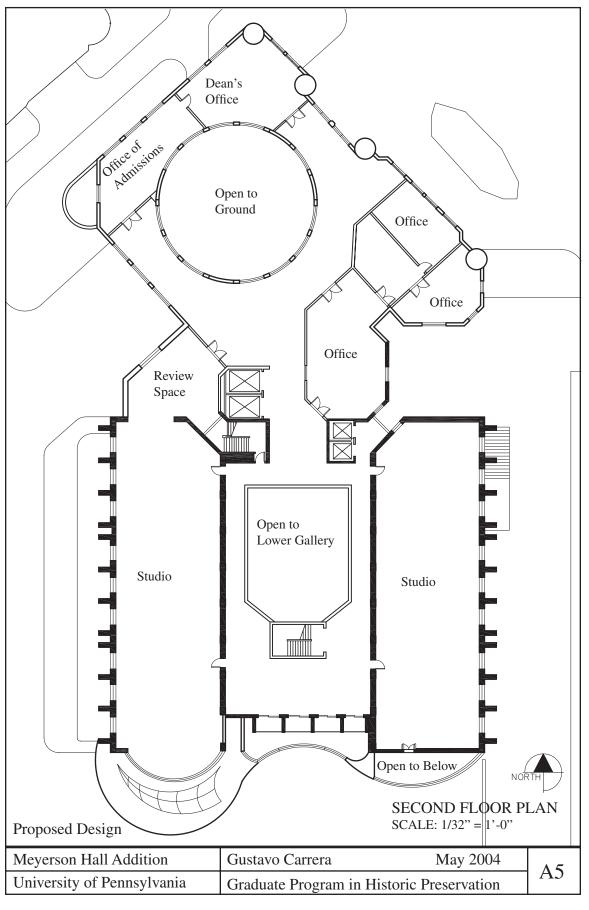
Meyerson Hall Addition	Gustavo Carrera	May 2004	EX13
University of Pennsylvania	Graduate Program in Historic Preservation		LAIS

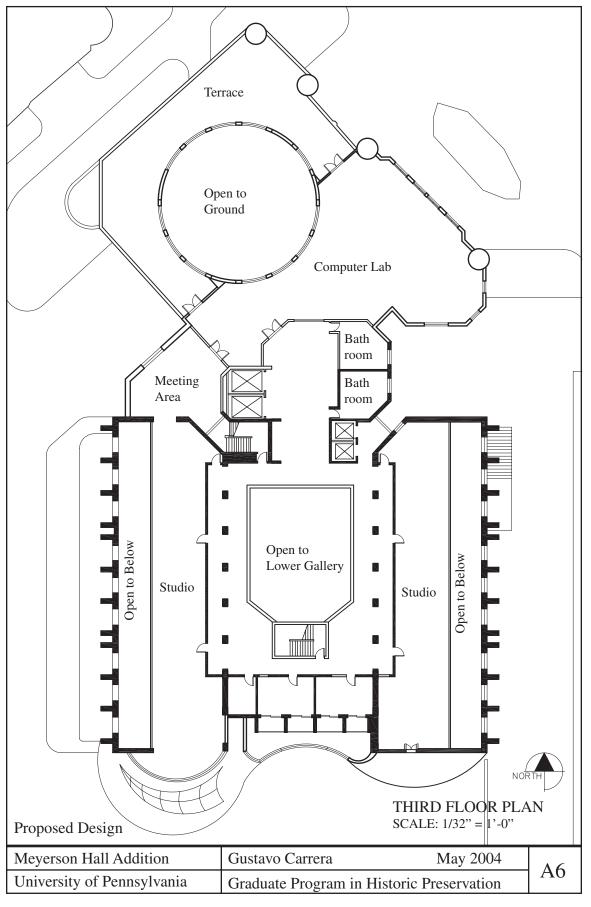


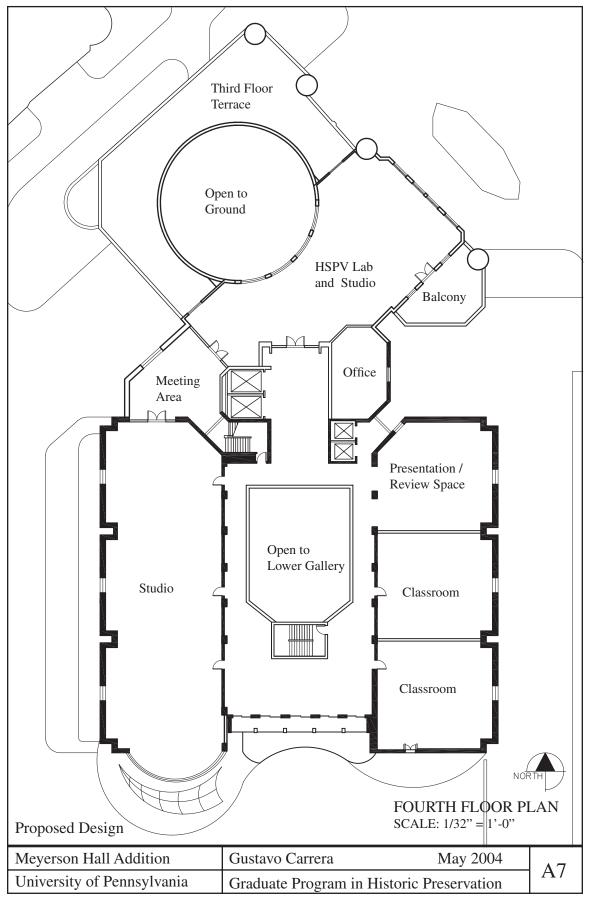


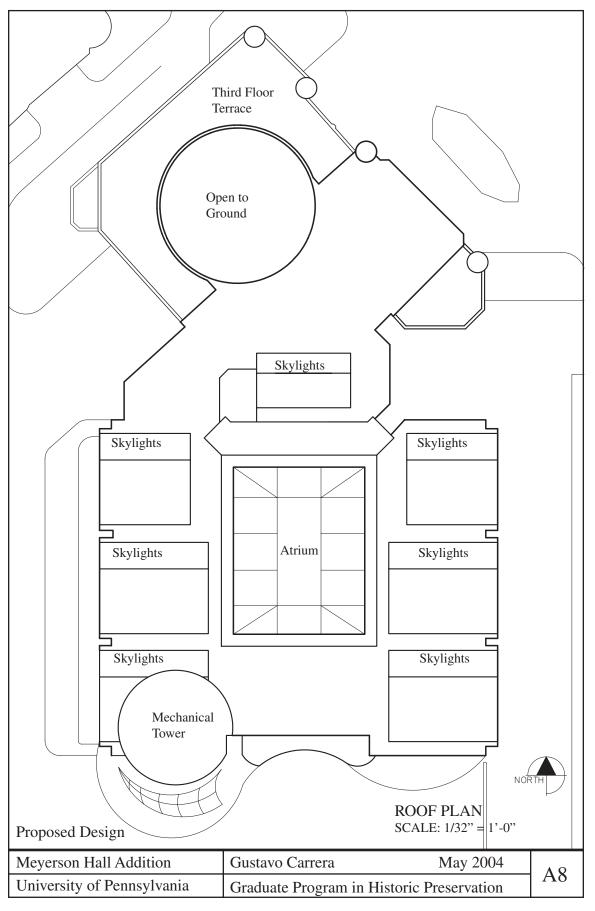


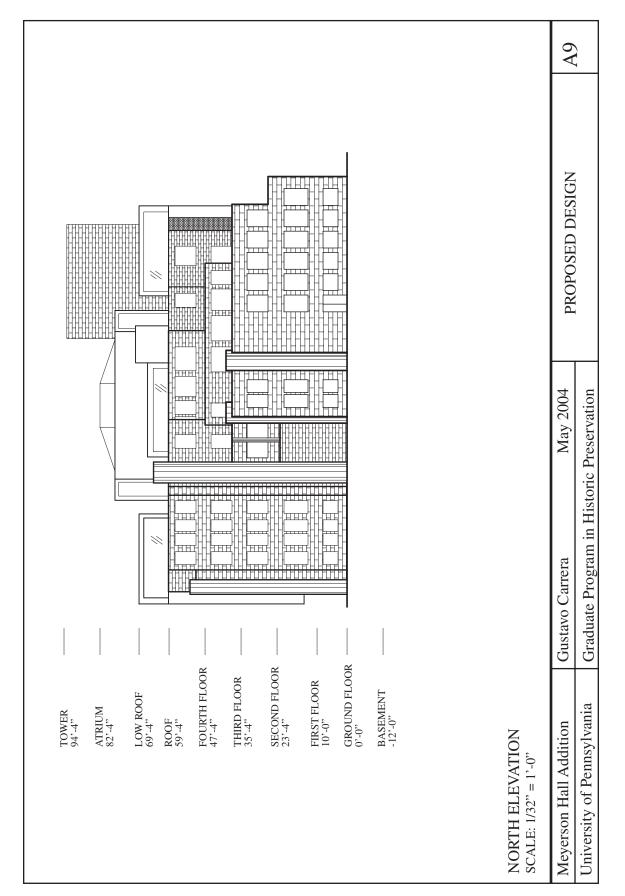


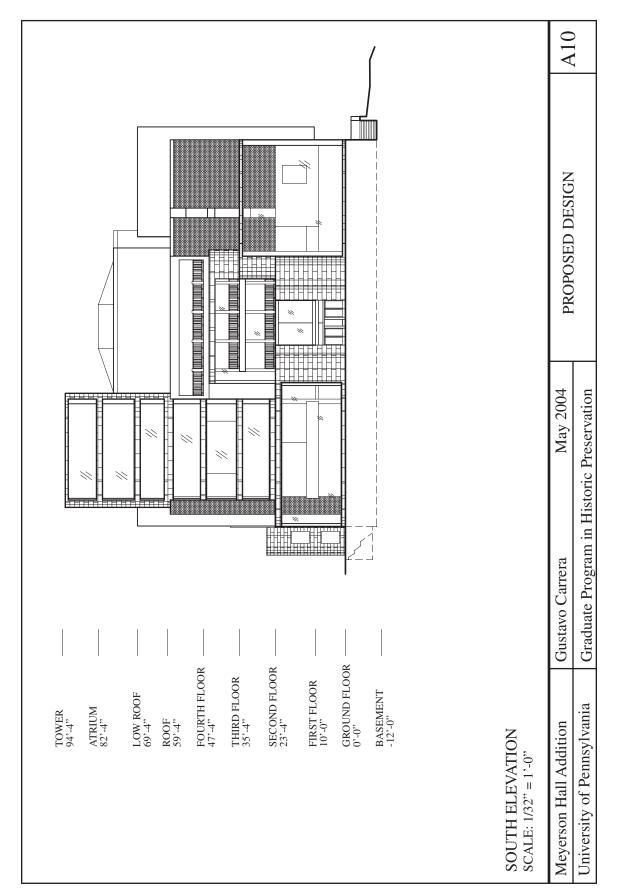


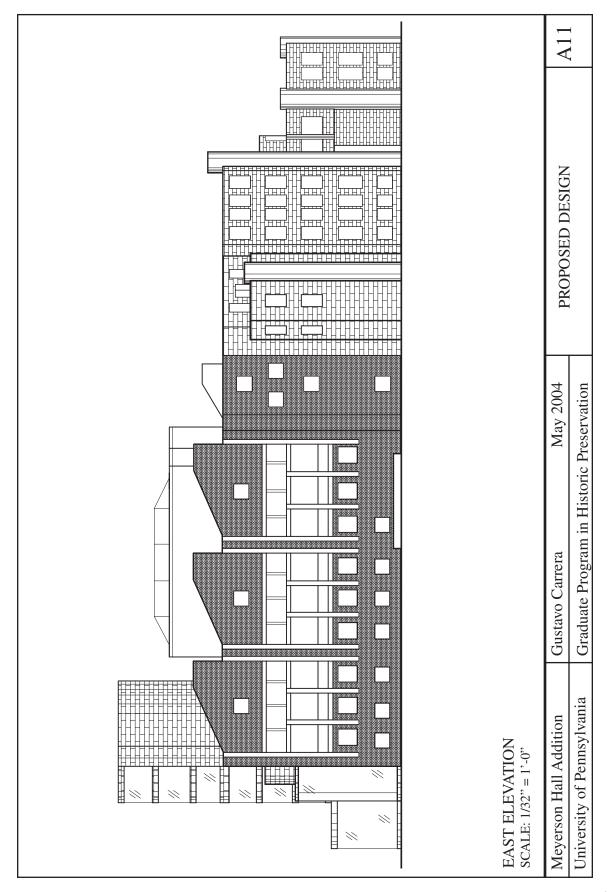


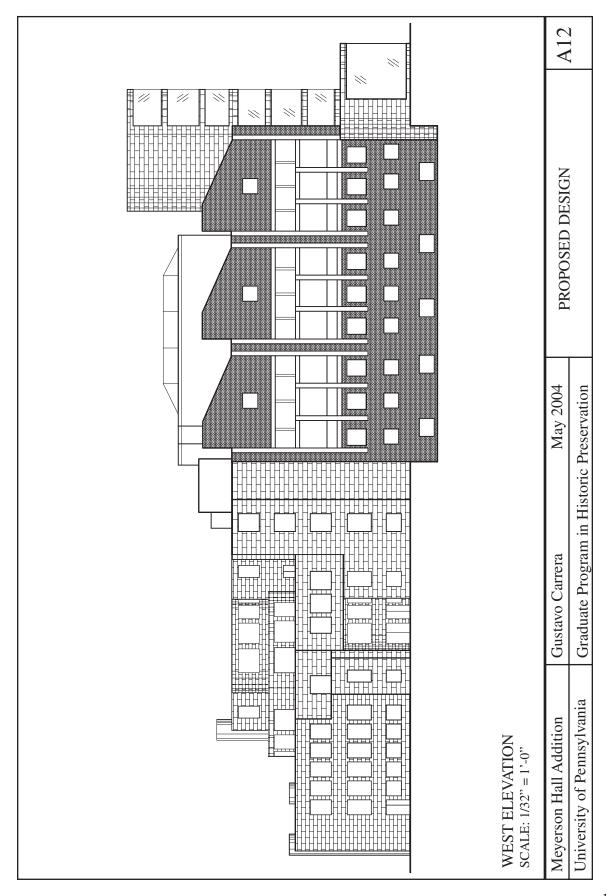


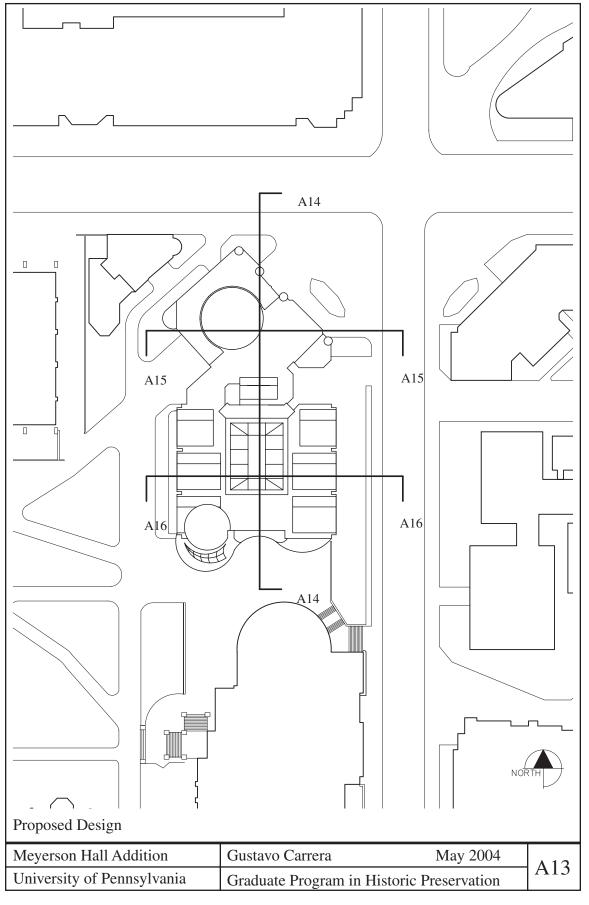


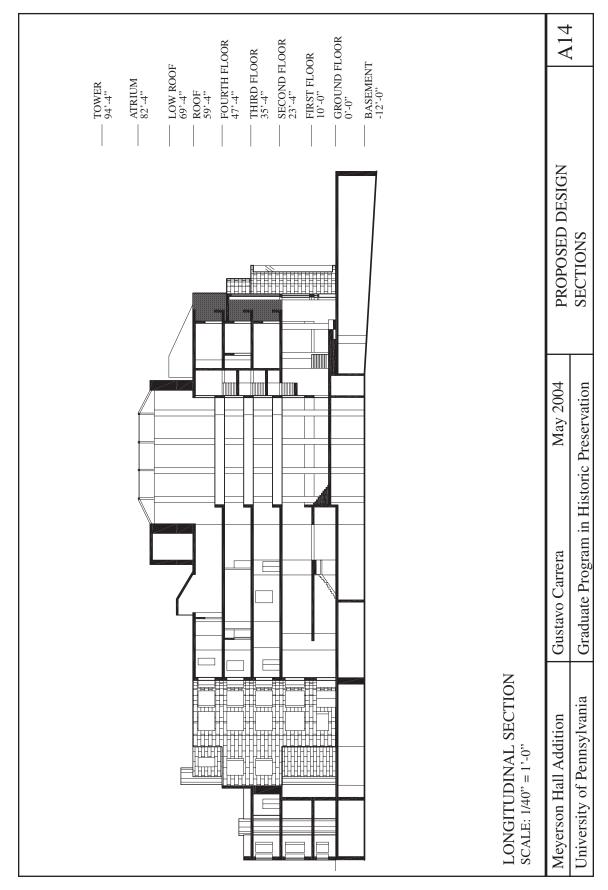


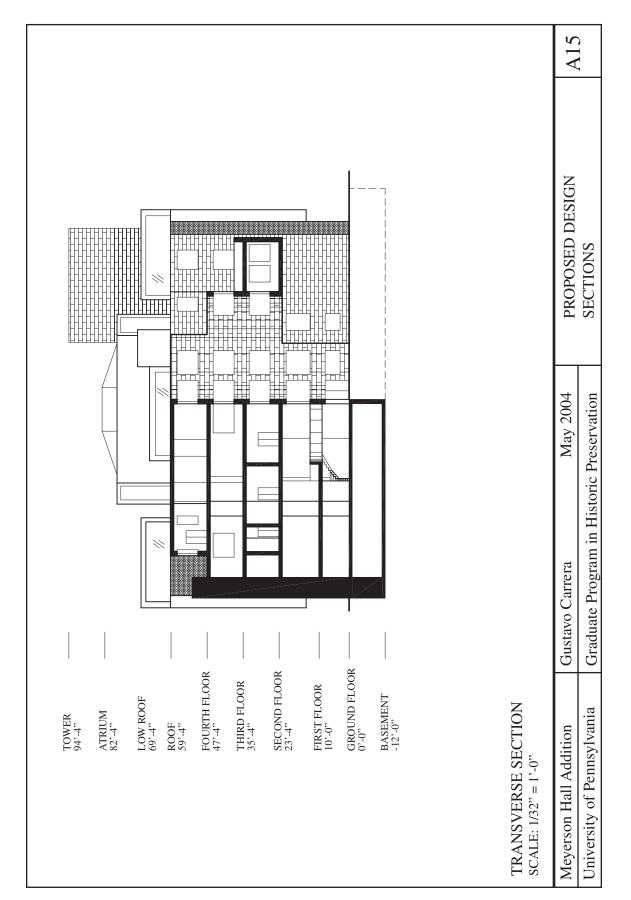


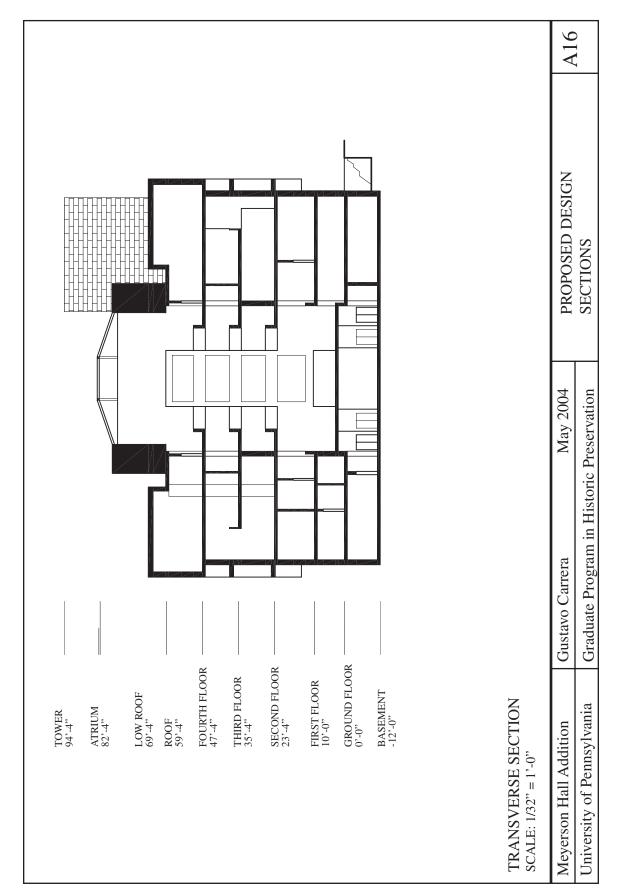


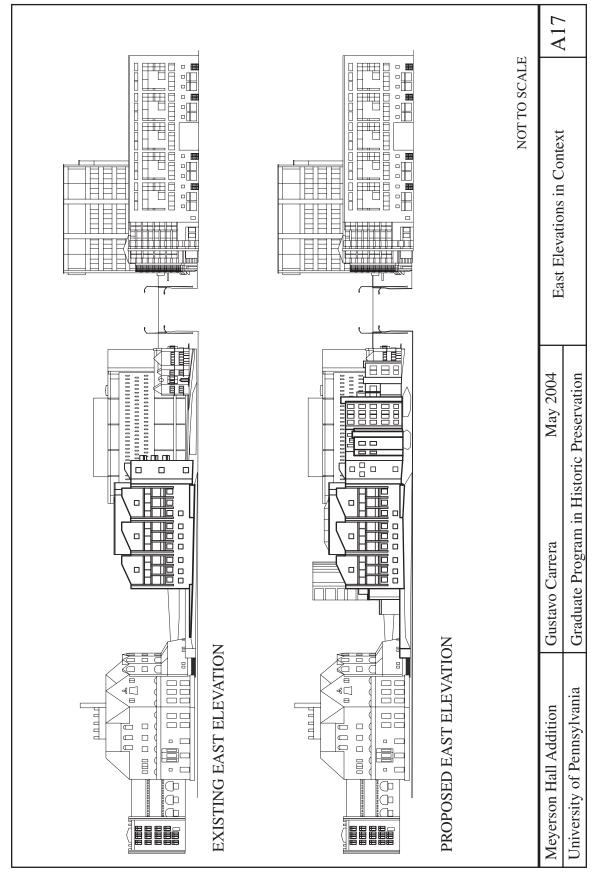












Bibliography

Books

- Albertini, Bianca. *Carlo Scarpa: Architecture in Details*. Cambridge, Massachusettes; MIT Press, 1988
- Allen, Edward. How Buildings Work. Second Edition, New York; Oxford Press, 1995
- Bartsch, Charles and Collaton, Elizabeth. *Brownfields: Cleaning and Reusing Contaminated Properties*. United States of America: Praeger Publishers, 1997
- Brownlee, David B. and De Long, David G. *Louis I. Kahn: In the Realm of Architecture*. New York; Rizzoli International Publications, Inc., 1991
- Bunnell, Gene. *Built to Last: A handbook on Recycling Old Buildings*. United States of America: The Preservation Press, 1977
- Burchell, Robert W. *The Adaptive Reuse Handbook*. New Brunswick, N.J.; Rutgers University, Center for Urban Policy Research, c1981.
- Byard, Paul Spencer. *The Architecture of Additions: Design and Regulation*. New York; W.W. Norton & Company, 1998
- Croft, Virginia. *Recycled as Restaurants: Case studies in Adaptive Reuse.* New York; Whitney Library of Design, 1991.
- Curtis, William J.R. *Modern Architecture Since 1900*. London; Phaidon Press Limited, 1997, 3rd Ed.
- Dolkart, Andrew S. *Morningside Heights: A History of its Architect and Development*. New York; Columbia Press, 1998
- Friedman, Donald and Oppenheimer, Nathaniel. *The Design Of Renovations*. New York: W.W. Norton & Company, 1997

Gause. Jo Allen. *New Uses for Obsolete Buildings*. Washington, D.C.: ULI-the Urban Land Institute, 1996.

Giurgola, Romaldo. Louis I. Kahn. Barcelona; Ingoprint, S.A., 1979, 4th ed. 1994

Latham, Derek. *Creative Re-use of Buildings: Volume 1*. United Kingdom: Donhead Publishing, 2000

Latham, Derek. *Creative Re-use of Buildings: Volume 2*. United Kingdom: Donhead Publishing, 2000

Moore, Arthur Cotton. The Powers of Preservation. United States: McGraw-Hill, 1998

Moore, Rowan, and Ryan, Raymund. *Building Tate Modern*. London: Tate Gallery Publishing Limited, 2000

Macdonald, Susan, ed. *Preserving Post-war Heritage: The Care and Conservation of Mid-twentieth Century Architecture.* Shaftesbury, Dorset; Donhead Pub., 2001.

Olsberg, Nicholas, et. al. *Carlo Scarpa Architect: Intervening with History.* Canada; Monacelli Press, Inc., 1999

Rykwert, Joseph. Louis Kahn. New York: Harry N. Abrams, Inc., 2001

Schneekloth, Lynda, ed. *Changing Places: Remaking Institutional Buildings*. New York: White Wine Press, 1992

Sevcenko, Margaret B. ed. *Adaptive Reuse: Integrating Traditional Areas into the Modern Urban Fabric. The Aga Khan Program for Islamic Architecture at Harvard University and the Massachusetts Institute of Technology.* Cambridge, Mass.: The Program, 1983.

Stone, Edward Durell. *Edward Durell Stone: The Evolution Of An Architect*. New York: Horizon Press, 1962

- Thomas, George E. *University of Pennsylvania*_.New York: Princeton Architectural Press, 2002
- Trainer, Jennifer, ed. *Mass MoCA: From Mill To Museum*. Massachusetts: Mass MoCA Publications, 2000
- Tschumi, Bernard and Matthew Berman; assisted by Jane Kim. *Index Architecture: a Columbia book of Architecture*. Cambridge, Mass.; MIT Press, 2003.
- Wang, Wilfried, ed. *Herzog & De Meuron*. New York: Rizzoli International Publications, Inc., 1990

Articles

- Vornic, Andre. "Makeover for New York's 10-storey oddity" BBC News. December 8, 2003
- Bonett, Jennifer Baldino. "Levine Hall: A Beautiful Symmetry" *Penn Engineering Alumni Newsletter*. Fall 2000
- Campbell, Robert. "Modernism and contextualism meet at Bernard Tschumi and Gruzen Samton's Lerner Hall with provocative results" *Architectural Record*. New York: The McGraw Hill Companies, Inc, 1999 vol.187: no.11 p.94.
- Filler, Martin. "Hail Columbia" Progressive Architecture. 1978 March, v. 59, p.54-59
- "In Context At Columbia" Architectural Forum. 1974 Mar., v. 140, n. 2, p. 8.
- Linn, Charles. "Educating the Masses: A Process" Exhibit at Kansas State University college of Architecture, Planning and Design, 2003
- Muschamp, Herbert. "Critic's Notebook; A Building's Bold Spirit, Clad in Marble and Controversy" *New York Times*. November 24, 2003
- Nobel, Philip. "Textbook Example Critique" Metropolis. April 2000, vol.19:no.7 p.57-61
- Monchaux, Thomas de. "Amid Protest, Cloefil unveils new design for 2 Columbus Circle" *Architectural Record*. New York: The McGraw Hill Companies, Inc, 2004 vol.192: no.3 p.4
- Pendergast, John. "A Passion for Putting Things Together" *The Pennsylvania Gazette*. Nov/Dec 2003, vol.102:no.2
- Wolf, Tom. "The Building That Isn't There, Cont'd" New York Times. October 13, 2003
- Unis, Etats. "Bernard Tschumi/Ove Arup and Hugh Dutton/Eiffel: Students Center, Lerner Hall, Columbia University, New York" *Architecture d'aujourd'hui*. 2000 July-Aug., no.329, p.60-65

Websites

"After 1968: I.M. Pei to Romaldo Guirgola" exhibition overview at Columbia University. www.columbia.edu/cu/wallach/overview_VIII.html, viewed in December 2003

Bonett, Jennifer Baldino. "Levine Hall: A Beautiful Symmetry" *Penn Engineering Alumni Newsletter*. Fall 2000 www.seas.upenn.edu/alumni/seasnewsF 00/article2.htm, viewed in March 2004

Olin Partnership. "Design Guidelines and Review of Campus Projects" www.facilities.upenn.edu/uop/BldgDesignGuidelines.pdf, viewed in March 2004

Pendergast, John. "A Passion for Putting Things Together" *The Pennsylvania Gazette*. www.upenn.edu/gazette/1103/pendergast1.html, viewed in March 2004

Wolf, Tom. "Wolf admires Huntington Museum" *boston.com*. www.boston.com/ae/celebrity/articles/2003/12/01/author_wolfe_admires_huntington_museum, viewed in December 2003

Index

A	V
Acropolis 15, v Allied Works 31	K Kieran Timberlake Associates LLP 34, 55
В	Kimbell Art Museum 71, 72 L
Bernard Tschumi 44, 45, 46, 69, 72, 76, vi Bracken House 71, 72 Brad Cloepfil 31	Lerner Hall 42, 43, 44, 45, 46, 47, 48, 69, 71, 76, iv, vi Levine Hall 33, 34, 35, 36, 46, 55, 68, 71, 72, 76,
C	77, iv, vi
Carman Hall 45, 46, 47 College Hall 12, 55, v Columbia University 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 69, 72, 76, 77, vi communication systems 10 Contemporary City for Three Million Inhabitants	Le Corbusier 18, 19, 20, 50, v Lindsay Falck iv Louis I. Kahn 7, 15, 21, 24, 68, 69, 70, 73, 74, v, vi Louis I. Kahn: In The Realm of Architecture 7, 15, 21, 24, 68, v
18, 20, v Cope & Stewardson 34, 55	M
E Edward Durell Stone 28, 29, 30, 74, vi ENIAC 34	McKim, Mead & White 12, 39, 40, 45, v, vi mechanical system 10, 37 Meyerson Hall 5, 27, 32, 36, 37, 42, 48, 49, 50, 52, 53, 54, 55, 58, 59, 60, 63, 64, 66, 67, 69,
	iv, vi Mitchell/Guirgola Associates 39
Fine Arts Library 55 Frank Furness 54, 55 Frank Lloyd Wright 19, 57	Moore Building 34, 35, 55, vi Morningside Heights 12, 69, 73, v Mudd Hall 39, 41, 47, vi Museum of Contemporary Art 71, 72
Fine Arts Library 55 Frank Furness 54, 55	Moore Building 34, 35, 55, vi Morningside Heights 12, 69, 73, v Mudd Hall 39, 41, 47, vi
Fine Arts Library 55 Frank Furness 54, 55 Frank Lloyd Wright 19, 57	Moore Building 34, 35, 55, vi Morningside Heights 12, 69, 73, v Mudd Hall 39, 41, 47, vi Museum of Contemporary Art 71, 72
Fine Arts Library 55 Frank Furness 54, 55 Frank Lloyd Wright 19, 57 G Geddes, Brecher, Qualls, and Cunningham 34	Moore Building 34, 35, 55, vi Morningside Heights 12, 69, 73, v Mudd Hall 39, 41, 47, vi Museum of Contemporary Art 71, 72 N National Register of Historic Places 4
Fine Arts Library 55 Frank Furness 54, 55 Frank Lloyd Wright 19, 57 G Geddes, Brecher, Qualls, and Cunningham 34 Graduate Research Wing 34, 35, 36, 37, 68, vi H Historic Preservation 2, 51, 61, i	Moore Building 34, 35, 55, vi Morningside Heights 12, 69, 73, v Mudd Hall 39, 41, 47, vi Museum of Contemporary Art 71, 72 N National Register of Historic Places 4 New York Merchants' Exchange 72
Fine Arts Library 55 Frank Furness 54, 55 Frank Lloyd Wright 19, 57 G Geddes, Brecher, Qualls, and Cunningham 34 Graduate Research Wing 34, 35, 36, 37, 68, vi H Historic Preservation 2, 51, 61, i Horace Trumbauer 54, 55 Huntington Hartford Museum 28, 29, 30, 71, 72,	Moore Building 34, 35, 55, vi Morningside Heights 12, 69, 73, v Mudd Hall 39, 41, 47, vi Museum of Contemporary Art 71, 72 N National Register of Historic Places 4 New York Merchants' Exchange 72 O
Fine Arts Library 55 Frank Furness 54, 55 Frank Lloyd Wright 19, 57 G Geddes, Brecher, Qualls, and Cunningham 34 Graduate Research Wing 34, 35, 36, 37, 68, vi H Historic Preservation 2, 51, 61, i Horace Trumbauer 54, 55	Moore Building 34, 35, 55, vi Morningside Heights 12, 69, 73, v Mudd Hall 39, 41, 47, vi Museum of Contemporary Art 71, 72 N National Register of Historic Places 4 New York Merchants' Exchange 72 O Ove Arup 44, 46, 76, vi P Paul Cret 34, 55 Penn Mutual Life Insurance Company 72 Practical Application 56, iv, 69, vi Preservation 1, 2, 51, 61, 73, 74, i
Fine Arts Library 55 Frank Furness 54, 55 Frank Lloyd Wright 19, 57 G Geddes, Brecher, Qualls, and Cunningham 34 Graduate Research Wing 34, 35, 36, 37, 68, vi H Historic Preservation 2, 51, 61, i Horace Trumbauer 54, 55 Huntington Hartford Museum 28, 29, 30, 71, 72, iv, vi, 68 I Institute for Contemporary Art 51	Moore Building 34, 35, 55, vi Morningside Heights 12, 69, 73, v Mudd Hall 39, 41, 47, vi Museum of Contemporary Art 71, 72 N National Register of Historic Places 4 New York Merchants' Exchange 72 O Ove Arup 44, 46, 76, vi P Paul Cret 34, 55 Penn Mutual Life Insurance Company 72 Practical Application 56, iv, 69, vi

S

Salk Institute 21, 24, 25, 26, 27, 68, 71, 72, iv, vi Sherman Fairchild Center 21, 38, 39, 40, 41, 42, 69, 71, 72, iv, vi

T

The Architecture of Additions 7, 25, 39, 40, 73, v, vi The Design Guidelines and Review of Campus Projects 5 Towne Building 34, 35, 55, 68, vi

U

University of Pennsylvania 5, 33, 34, 35, 46, 49, 50, 53, 55, 59, 65, 67, 68, 69, 70, 72, 75, i, iv, vi Uris Hall 41, 71, 72

\mathbf{V}

Vagelos Laboratories 54, 55 Venturi, Scott Brown and Associates 54, 55

\mathbf{W}

Whig Hall 71, 72