

**BUILDING 22, COMPUTER  
CENTER EXPANSION/REMODEL  
BR-621**

**AUGUST 2004**

**AMENDED 4/1/05**



**TITLE SHEET**

**BUILDING 22, COMPUTER CENTER  
EXPANSION/REMODEL  
BR-621**

FOR

Boca Raton Campus  
**FLORIDA ATLANTIC UNIVERSITY**

BOCA RATON, FLORIDA

PREPARED IN ACCORDANCE WITH  
AVP POLICY AND PROCEDURE #2  
PROGRAM DEVELOPMENT

**AUGUST 2004**  
**AMENDED 4/1/05**

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**Florida Atlantic University  
FACILITIES PROGRAM**

**PREPARED BY:**

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**Robert Richman**, Program Coordinator

**REVIEWED AND APPROVED:**

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**FACILITIES PLANNING:**

This is to certify that this document has been reviewed for project schedule, budget and code requirements.

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**Raymond Nelson**, Director

**ASSOCIATE VICE PRESIDENT, OFFICE OF THE UNIVERSITY ARCHITECT:**

This is to certify that this document meets the intent of the University Architect's AVP Policy and Procedure #2 (Development of Facility Program) and is consistent with the latest approved Campus Master Plan.

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**Thomas Donaudy**, Associate Vice President

**INFORMATION RESOURCE MANAGEMENT:**

This is to certify that this document meets the requirements of Information Resource Management.

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**Jeffery Schilit**, Associate Provost

**PROGRAM COMMITTEE:**

This is to certify that this document contains the recommendations of the Program Committee.

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**Jeffery Schilit**, Associate Provost  
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**DIVISION OF ACADEMIC AFFAIRS:**

This is to certify that this document meets the requirements of the Office of Academic Affairs.

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**John Pritchett**, University Provost & Chief Academic Officer

**OFFICE OF THE UNIVERSITY ARCHITECT:**

This is to certify that this document meets the needs of Florida Atlantic University that it is in conformance with all applicable requirements, and is hereby recommended to the President.

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**Robert M. Friedman**, University Architect & Vice President

**FLORIDA ATLANTIC UNIVERSITY:**

This is to certify that this document has been reviewed by the administrative leadership at Florida Atlantic University and that the material contained herein is forwarded with the President's approval and recommendation.

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**Frank T. Brogan**, President

Date

Renovation and expansion of Building 22, the Computer Center, has been proposed since 1986. Since that time the complexion of FAU has radically changed and so to has the role, scope and responsibilities of Information Resource Management (IRM).

The mission of Information Resource Management is to plan for and provide high quality information technology resources in support of research and teaching across all campuses, and to facilitate the efficient execution of administrative and public service functions of the University. IRM is headed by an Associate Provost and Chief Information Officer, who reports to the University Provost and Chief Academic Officer.

In addition to providing FAU vital general computing and telecommunication services, IRM serves as a consultant and coordinator for more specific information technology activities and projects carried on by the various University colleges, departments, administrative offices, and research groups. Each unit is assisted in accomplishing its own goals, and at the same time IRM insures that overall institutional goals are being met.

IRM is comprised of several agencies that support the overall university mission and provide direct and indirect services to faculty, staff, students and the administration. The agencies with IRM include: Enterprise Computing Services (ECS), Fiscal Management (FM), Network Services (NTWK), Telecommunications Services (TS), University Administrative Systems (UAS), and University Learning Resources (ULR), Broward Computing Services, (BCS) and Northern Computing Services (NCS).

These departments collectively support all administrative software, all academic software and training programs, the Internet, the World Wide Web, Internet connectivity, local and long distance telephone service, TV broadcast and engineering, databases and faculty and staff training. In order words, IRM is one of the major support services of the university.

It is important to note that IRM provides quality services to all FAU campuses. And, there is parity in the level of service provided.

At the present time Telecommunications and University Learning Resources are located in two geographically separated areas from the Computer Center on the Boca campus. All departments operate in physically constraining environments that do not contain sufficient space to adequately perform assigned functions. Additional economies should result from the location of all computing functions in a centralized location. If a centralized location is used to house these units, benefits should result from sharing specialized requirements, such as air conditioning and uninterruptible power supplies, as well as equipment and personnel. It is also anticipated that the service level of all departments will be increased at a comparatively minimal cost to the university.

Planning for the renovation of this facility, must include the consideration of the overall infrastructure needs for University wide computing which includes voice, data and video. Awareness of the importance of computing on the education process of the student is taking on ever increasing and significant role. In the long range, it is imperative to have sufficient space to meet the academic and administrative requirements computing requirements.

### A. PROJECT HISTORY

Building 22 was originally built in 1967 as an Early Childhood Education Facility. In 1983, the east end of the building became the Academic Computing and Operations. Room 102F was constructed to support Computer Systems. In 1991, IRM was given the west wing of the building and Administrative Computing as moved from the Administration Building to the Computer Center. The staff has increased from 12 full time employees in 1984 to 151 in 2004 with 9 vacant positions. Currently, 83 people are located in Bldg. 22.

### B. GENERAL PROJECT DESCRIPTION

The proposed renovation and expansion of Building 22 is requested to allow IRM to meet its mandates as outlined in the mission statement. This renovation will consolidate staff and services currently located in three different buildings, reduce over-crowding of staff and equipment, and to allow for the expansion of technology as dictated by the needs of the university community. The expansion may require a second story addition and/or an external addition to the south.

### C. PROJECT GOALS

The new space would be used for the following purposes:

1. A lab designated for faculty training and support activities
2. Space for experimentation with new software/hardware
3. Multimedia development area
4. Test and evaluation areas
5. Office locations for existing and future staff, Building 22 was originally designed with a capacity of 31 faculty and several conference rooms, today it currently houses 83 staff and 20 student employees. Also, there are currently 9 vacant positions that will be filled in the near future.
6. Expanded space to house the minicomputers and network related equipment
7. Space to store supplies, mainly paper needs for the OCE 155 printer
8. Space needs for open/instructional lab staff
9. Staff lounge (location for USPS staff to take 15 minute breaks and eat lunch so that they are easily accessible in case of emergencies)
10. Expanded space to-allow for a walk-in help desk in addition to space already allocated for phone-in only activities
11. Relocate Telecommunication Services staff from Building 5 to Building 22. The vacated space in Building 5 will be used for expansion of Physical Plant & Utilities.

12. Relocate selected University Learning Resource staff from Building 4 to Building 22.
13. Install a high capacity generator for emergency backup.

Technology is increasingly becoming more integrated with the day-to-day operations of FAU. There is not a single agency at the university does not depend of IRM for some form of support or assistance. This in turn places a greater emphasis on IRM's ability to provide service and resources to the university community. IRM is literally out of space. If some type of injunctive relief is not granted in the near future, IRM's ability to service FAU's campuses will be constricted.

D. DESIGN OBJECTIVES

The building should take on the appearance of a technology center with high tech lighting, soft colors on the walls in the common area and contemporary fixtures and doors. Design objectives include:

- Minimal entries to the building.
- A state of the art card access security system for all entrances
- Video cameras positioned in designated areas
- Proper sounding-proofing in the heavy equipment areas
- A raised floor in the operations area currently exists and must be maintained.
- Inclusion of covered golf cart pad and outdoor luncheon area adjacent to the building
- Service driveway and loading dock
- Large unobstructed entry doors
- Tunnel access

E. CONSTRUCTION DELIVERY METHOD

The University anticipates the utilization of a construction manager for this project. The construction sequencing is critical to minimize disruption of campus services as is the relocation of parking areas. Prior to the start of construction the CM shall provide a plan to the University for approval in regard to these issues.

The following response is presented for The Board of Education's approval for the selection of Construction Management as the project delivery method:

*Size of the project is sufficiently large and/or complex to require major emphasis on the qualification of the contractor to provide specific expertise in highly specialized cost estimating, value engineering, and scheduling during the design process with continuity of construction management through both design and construction phases.*



Virtually all disciplines are now involved with some type of computing, from simple electronic mail communications with colleagues around the world, to word processing for research papers and publications, to highly intensive quantum physics simulations. The centralization of all support into one facility is becoming more critical as we attempt to balance explosive growth against declining budgets. The University needs to make sure that we are getting the maximum return on our investment in staff, our most expensive resource, and combining the functions is an extremely good way to maximize efficiency.

**A. STATE UNIVERSITY SYSTEM OF FLORIDA MASTER PLAN**

The proposed program for the expansion of the existing Computer Center, Building 22, is consistent with the current adopted Master Plan.

University level Academic Plan Review by the University Provost is not applicable because this is a University-wide service facility. There are no classroom space proposed.

**B. ACADEMIC PROGRAM REVIEWS**

Academic Program reviews are not applicable because this is a University-wide service facility. There is no classroom space proposed.

**A. RECOMMENDATIONS OF THE REVIEW CONSULTANTS**

None.

**A. JUSTIFICATIONS**

The expansion of the existing 20 year old Computer Center is necessary to fulfill the academic mission of the University. IRM staff has increased over ten fold since 1983 and requires the most current technology housed in state-of- the-art facilities to continue to provide support for teaching and research programs across the University.

**A. FACILITIES DEFICIENCIES**

This analysis of space requirements was based on surveys of the Associate Provost and the Directors of IRM. A synopsis, including allowances for growth, of their projections is presented in the following paragraphs.

The Associate Provost/CIO requires an office with conference table and bathroom adjacent to the office. One staff office will be needed as a reception area/staff office. Also required is a storage area to accommodate the copier, fax, and general storage for the functioning of the CIO.

Additional space is required for conference rooms equipped with video conferencing equipment, vendor space, consultant space, an office for Broward and Northern campus directors, a staff lounge, golf cart covered parking contiguous to an outdoor lunch area, an equipment and software testing room, a mail room, additional storage closets, a 100 seat computer lab with outside entry, a work room for repairs and testing, a printer room, a building reception area and a Broward Computing Services/Northern Computing Services room.

Enterprise Computing Service (ECS), the largest group within IRM, will require the most space in keeping with its mission to provide a leadership role in planning, implementation, deploying, and managing computing resources and services which support the instructional, research, administrative and organizational needs of faculty, staff, administration, and students; to be the primary point of contact for all IRM technology related services, to provide consulting, training, and support services to academic and administrative areas in conjunction with other information technology departments as applicable; to facilitate curriculum driven computing resources and Distance Learning courseware activities by providing and managing computer laboratories, access, new technologies, and application software packages and to manage all computing systems and resources in support of IRM's mission of providing high level of systems availability and scalability.

ECS requires one director's office, three assistant/associate directors' offices and 44 staff offices. Three separate operations rooms are required to accommodate output for print and production, equipment, and server operations. There should be a help desk reception area and 7 small storage areas and one large storage area along with a tape library.

University Administrative Systems (UAS), in partnership with the FAU administrative areas, develops, maintains, and constantly seeks to improve FAU administrative functions through the implementation of state-of-the-art technology. Four departments comprise UAS: OASIS, Banner HR/FRS, Web Administration & Applications, and Special Projects. Following is a short description with links to applicable sites offering more details and reports. One director's office, one Asst/Associate Director's office, 23 staff office, a printer room and a storage room are needed.

University Learning Resources (ULR), whose mission is to provide access to a variety of media services and instructional technology in support of instruction. Secondary missions include support of faculty research, the university's publicity and public relations programs, and community services. In meeting the needs of the university, University Learning

Resources provides creative, technical and consulting services to enhance the teaching-learning process has many special requirements. There should be one director's office, two assistant/associate director's offices, 24 staff offices and a reception area with storage and space for a copier, fax and printer.

Within ULR there is a requirement for photography which includes a studio, dressing room, darkroom, reception area, and secured storage. The AV media Center requires a large workroom with corner windows and space for storage, large printers and scanners, and special workstations. In addition, they require an art production area. A separate "spray" area and a laminating room are required.

Telecommunications Services (TS) is responsible for all aspects of the University Telephone System/Network at seven major campus locations. In addition to procurement and maintenance of all associated telephone equipment, TS manages the installation of all types of lines and circuits as needed. TS is responsible for all voice, data, and video cabling. This department also establishes and maintains records and mapping of the campus networks. TS will require a director's office, and Assistant/associate directors office, five staff offices, a reception area, a group office for five technicians, an operations room, and storage.

Fiscal Management (FS) is responsible for all budget planning and financial analysis of Information Resource Management's (IRM's) fiscal resources, revenue projection for IRM Auxiliary Departments, management and coordination of billing for chargeable services provided by Enterprise Computing Services (ECS), Telecommunication Services & Project Management (TS/PM), and University Learning Resources (ULR); Managing accounts receivable for IRM, directing administrative activities for IRM including personnel actions, classification and pay changes, purchasing and controller's office functions. FS requires one director's office, one assistant/associate director's office, two staff offices, a reception area, a work room, a file room and storage.

### B. ALTERNATIVE SOLUTIONS

The renovation and expansion of Building 22 to accommodate the rapid growth of the Computing Center represents the most cost effective solution to the space requirements for computing resources. It is anticipated that most of the computing equipment presently located in the building will either not have to be moved or moved only a short distance. Also, many of the present physical areas in the building will be suitable for use in the Computing Center with little or no modification required. The alternative to expanding the existing facility is to build a new building on another site. This would require the rerouting of thousands of critical cable and would have a vastly increased cost impact on the mission.

### C. QUANTITATIVE ANALYSIS OF PROGRAM SPACES

The State Requirements for Educational Facilities Chapter 6, Section 6.1, Size of Spaces and Occupant Criteria Table was utilized as a guide in the development of this program. The resulting detailed Space Program is included in Section IX.

### D. PROJECT AND SURVEY RECOMMENDATIONS

The additional space required for this facility demands very close proximity to the existing Computer Center functions. No other suitable space exists in that close proximity.

**VII. CONSISTENCY WITH THE ADOPTED CAMPUS MASTER PLAN**  
**COMPUTER CENTER/BUILDING 22**

**A. THE ADOPTED CAMPUS MASTER PLAN**

The proposed project is consistent with all elements of the Campus Master Plan (CMP) prepared and adopted on July 10, 1998 pursuant to Section 240.155, F.S. Specifically, this project is identified as 4<sup>th</sup> in priority for new facilities. The proposed project is consistent with all elements of the Campus Master Plan (CMP) prepared and adopted pursuant to Section 240.155, F. S.

**A. SITE CONDITIONS****1. SITE TOPOGRAPHY (CM-N-04.00-09/97 B.1)**

The site is a level open green space surrounding the existing Computer Center Building #22. Refer to Section X, Utilities Impact Analysis for site maps.

**2. STORM DRAINAGE (CM-N-04.00-09/97 B.2)**

The site is part of the Campus-wide permitting with the South Florida Water Management District. If required, the architect will be directed to provide attenuation strategy for storm water management on site. Refer to Section X, Utilities Impact Analysis for site maps and description of the site storm water system.

**3. VEHICULAR AND PEDESTRIAN CIRCULATION (CM-N-04.00-09/97 B.3)**

The site is traversed by pedestrian ways that lead to surrounding buildings. There is no existing vehicular roadway access and none is currently planned.

**4. SITE VEGETATION (CM-N-04.00-09/97 B.4)**

Site vegetation consists mainly of level lawn and small decorative shrubbery near the building. The university will adhere to its policy of replanting and replacing any tree or shrubbery that are removed or damaged due to new construction, and the architect shall recommend additional improvements in his design.

**5. ARCHAEOLOGICAL HISTORY (CM-N-04.00-09/97 B.5)**

There is no archeological history on this site.

**6. EXISTING UTILITY LOCATIONS (CM-N-04.00-09/97 B.6)**

Refer to Section X, Utility Impact Analysis for campus utility infrastructure maps and description of site utilities.

**7. ARCHITECTURAL SIGNIFICANCE OF ADJACENT STRUCTURES (CM-N-04.00-09/97 B.7)**

The building design is to compliment the existing scale and architectural vocabulary of the surrounding structures.

**8. UNUSUAL SITE CONDITIONS (CM-N-04.00-09/97 B.8)**

There are no unusual site conditions.

**9. DIRECTION OF PREVAILING WINDS (CM-N-04.00-09/97 B.9)**

There is no University wide study of the prevailing wind patterns. Generally the wind patterns vary seasonally reflecting the global patterns associated with the summer tropic air currents from the southeast and winter arctic winds from northwest. More importantly, the Architect must study the effect of microclimate created by existing tree canopy and site conditions (in addition to the relationship to adjacent building exhaust, fresh air intake and vehicular traffic patterns) in siting the building and in designing for views and HVAC/MEP systems.

**B. CAMPUS MAP & SITE MAP**

Refer to Section X, Utilities Impact Analysis for site maps.

**IX. PROGRAM AREA**

**COMPUTER CENTER/BUILDING 22**

A. PROGRAM AREA TABLE (Reference SUS CM-N-04.00-09/97 Attachment 1) Functional descriptions of spaces that will be occupied in the renovated and expanded building are included below. All spaces should have network drops, wiring for telephones. It should be noted that all offices will require, at a minimum, a desk, chair, filing cabinet and bookcase for each individual that will be assigned to the office.

LOC	New	SPACE TYPE	CODE	SPACE	USER	QTY	NSF	TOTAL	COMMENTS	Savings
PREF	Reno			NO.				NSF		2,515
<b>INFORMATION RESOURCE MANAGEMENT - IRM</b>										
2	N	Office	310	a 1	Associate Provost	1	225	225		
2	N	Office	310	a 2	Staff/Reception	1	155	155	Waiting area for 3-4 people	
2	N	Office/Service	315	a 3	Restroom	1	60	60	Adjacent to Provost's Off.	
2	N	Office/Service	315	a 4	Office Workroom	1	150	150	Copier, Fax, Storage	
2	N	Conference Room	350	a 5	Conference	1	275	275	Acc. from corridor and from Provost's Off.	
<b>TOTAL IRM</b>								<b>865</b>		

<b>ENTERPRISE COMPUTING SERVICES - ECS</b>										
2	N	Office	310	b 1	Director	1	175	175		
2	N	Office	310	b 2	Asst/Assoc. Dir.	3	135	405		
1or2	N	Office	310	b 3	Staff	23	120	2,760	added 2 to new/subtracted 2 from Reno	
R	R	Office	310	b 4	Staff	14	120	1,680	System People near computer	
1	N	Office	310	b 5	Staging R&D	1	150	150	Unix	
1	N	Office	310	b 6	Staging R&D	1	150	150	Windows support	
1	N	Office	310	b 7	Staging R&D	1	150	150	IT support	
1	N	Office	310	b 8	Reception	1	150	150	Help desk / High reception counter	
R	R	Central Com./ Tele	710	b 9	Operations	1	600	600	Output for print and production, Maybe smaller. Raised Floor not Required. Rm 145 desired for this space.	200
R	R	Central Com./ Tele	710	b 10	Operations	1	800	800	Existing 102F room to be adjoined with existing 102F which will not be renovated. Raised Floor.	
R	R	Central Com./ Tele	710	b 11	Operations	1	800	800	102F - Exist. equipment room not to be renovated. Has exist. raised floor - sensitive equip. to remain accessible and operational thru	
1	N	Cntrl Com Service	715	b 12	Storage	2	125	250	Equipment, supplies, surplus, deliveries - associated with Unix R&D/ Windows R&D/Admin Office / and ECS (will have copier).	
R	R	Cntrl Com Service	715	b 12	Storage	2	125	250	Equipment, supplies, surplus, deliveries - associated with Unix R&D/ Windows R&D/Admin Office / and ECS (will have copier).	
R	R	Cntrl Com Service	715	b 13	Storage	0	125	-	Equipment, supplies, surplus, deliveries - associated with IT Support / Help Desk & Labs.	375
R	R	Cntrl Com Service	715	b 14	Storage	1	150	150	Paper, consumables, contiguous to 102F	
R	R	Cntrl Com Service	715	b 15	Tape Library	1	120	120	Media Storage, contiguous to 102F	
1	N	Class Laboratory	210	b 16	Training Room	1	495	495	10 work stations plus an instructor	
R	R	Central Com./ Tele	710	b 17	Help Desk	0	610	-	Moved to OCS	610
R	R	Office	310	b 18	Help Desk Supervisor O	0	120	-	Moved to OCS	120
<b>TOTAL ENTERPRISE COMPUTING - ECS</b>								<b>9,085</b>		

<b>UNIVERSITY ADMINISTRATIVE SYSTEM - UAS</b>										
2	N	Office	310	c 1	Director	1	175	175		
2	N	Office	310	c 2	Asst/Assoc Director	4	135	540		
2	N	Office	310	c 3	Staff Office	23	120	2,760		
2	N	Office Service	315	c 4	Work Room / Printers	1	100	100		
2	N	Office Service	315	c 5	Storage	1	150	150		
<b>TOTAL UNIVERSITY ADMINISTRATIVE SYSTEM - UAS</b>								<b>3,725</b>		

PROGRAM AREA TABLE (continued)

LOC	New	SPACE TYPE	CODE	SPACE	USER	QTY	NSF	TOTAL	COMMENTS
PREF	Reno			NO.				NSF	
<b>FISCAL MANAGEMENT - FM</b>									
2	N	Office	310	d1	Director	1	175	175	Close proximity to IRM dept. Denise Payeur
2	N	Office	310	d2	Asst/Assoc. Dir.	1	135	135	
2	N	Office	310	d3	Staff	2	120	240	
2	N	Office	310	d4	Staff / Reception	1	135	135	waiting area for 3-4 people
2	N	Office Service	315	d5	Work Room	1	170	170	
2	N	Office Service	315	d6	File Room	1	120	120	
2	N	Office Service	315	d7	Storage	1	150	150	
<b>TOTAL FISCAL MANAGEMENT - FM</b>								<b>1,125</b>	

<b>TELECOMMUNICATIONS SYSTEMS &amp; NETWORKING - NOW CSI</b>									
R	R	Office	310	e1	Director	1	175	175	Elise
R	R	Office	310	e2	Asst/Assoc. Dir.	3	135	405	Ivette (270)
R	R	Office	310	e3	Staff	10	120	1,200	(600)
R	R	Office	310	e4	Staff/Reception	1	165	165	waiting area for 4-5 people
R	R	Office	310	e5	Open Office	1	395	395	5 Technician stations
R	R	Storage	315	e6	Storage	1	150	150	
R	R	Central Com./ Tele	710	e7	Operations	1	400	400	Machines / 5 stations for project managers.
R	R	Storage	315	e8	Networking Storage	1	400	400	Added from old Networking group (400)
<b>TOTAL CSI</b>								<b>3,290</b>	

<b>UNIVERSITY LEARNING RESOURCES - ULR</b>									
2	N	Office	310	f1	Director	1	175	175	Doug Trabert
2	N	Office	310	f2	Asst/Assoc. Dir.	2	135	270	David John / Marlene
2	N	Office	310	f3	Staff	4	120	480	
1	N	Office	310	f4	Reception	1	150	150	Reception area with ample counter space for receiving work orders, delivering finished product and making appointments. 150
1	N	Media Production	530	f5	Photography Studio	1	1500	1,500	Open layout (no columns), 12' min. ceiling height (18' preferred), no windows, all walls and ceilings painted flat black. High glide track lighting system crisscrossing room with 4-6 light lifts to enable studio work with tungsten and flash lighting, soft boxes and other lighting equipment. 1,500
1	N	Media Production	530	f6	Art Production	1	800	800	Requires daylight florescent lighting and concentrated lighting over a working counter 3'X10' with cutout for 24"X24" built in color correct light box. Central scanning station for flatbed, high production slide, large transparency scanner and film recorder with 3 electrical outlets. (100)
1	N	Media Production	530	f7	AV Media Center	1	500	500	Ground level, corner, plenty of natural light is required. Large counter for work related functions 24/7 digital video surveillance. 850
1	N	Media Prod. Service	535	f8	Dressing Room	1	80	80	Windowless with mirror
1	N	Media Prod. Service	535	f9	Darkroom	0	200	-	DELETED 200
1	N	Media Prod. Service	535	f10	Storage	1	150	150	Paper storage, cameras, need artwork drawers 150
1	N	Media Prod. Service	535	f11	Storage	1	150	150	supplies, hardware, and surplus item. Legal documents in file cabinets.
1	N	Media Prod. Service	535	f12	Storage	1	150	150	Security card access
1	N	Media Prod. Service	535	f13	Spray room	1	200	200	spray booth and spray room. Good ventilation
1	N	Media Prod. Service	535	f14	Laminating	1	0	-	DELETED 200
<b>TOTAL UNIVERSITY LEARNING RESOURCES - ULR</b>								<b>4,605</b>	

PROGRAM AREA TABLE (continued)

LOC	New	SPACE TYPE	CODE	SPACE	USER	QTY	NSF	TOTAL	COMMENTS
PREF	Reno			NO.				NSF	
<b>NEW OCS GROUP</b>									
R	R	Office	310	g 1	Director	1	175	175	Molly
R	R	Office	310	g 2	Asst/Assoc.	2	135	270	
R	R	Office	310	g 3	Staff	7	120	840	
R	R	Office	310	g 4	Work room	1	150	150	
R	R	Office Service	315	g 5	Storage	1	125	125	
R	R	Office Service	315	g 6	Storage	1	125	125	Close to service entry
R	R	Central Com./ Tele	710	b 17	Help Desk	1	610	610	Open office for 10 people - modular furniture
R	R	Office	310	b 18	Help Desk Supervisor O	1	120	120	Adjacent to help desk
<b>TOTAL OCS</b>								<b>2,415</b>	

<b>GENERAL - GEN</b>									
2	N	Office	310	h 1	Office for Broward & NP Dir.	1	175	175	Shared space - 2 stations
R	N	Office	310	h 2	Office - Non Boca Staff	0	120	-	360
R	N	Office	310	h 3	Vendor space	0	100	-	200
2	N	Office	310	h 4	Consultant	2	120	240	Added back in as spare offices
1	N	Office - Lobby	310	h 5	Reception / Lobby	1	600	600	100
1	N	Office Service	315	h 6	Staff Lounge	1	220	220	
1	N	Office Service	315	h 7	Mail Room	1	150	150	
R	R	Conference Room	350	h 8	Conference	1	225	225	Daylight not required. Video conf capability
2	N	Conference Room	350	h 8	Conference	1	225	225	Daylight not required. Video conf capability
1	N	Conference Room	350	h 9	Conference	1	625	625	Daylight not required. Video conf capability
1	N	Computer Study	412	h 10	Computer Lab	1	1800	1,800	80 seat open computer lab with outside entry
1	N	Computer Study Se	415	h 11	Work Room	1	200	200	Testing, repair
1	N	Computer Study Se	415	h 12	Printer Room	1	120	120	
R	R	Cntrl Com Service	715	h 13	UPS/Batteries	1	130	130	Contiguous to 102F
R	R	Cntrl Com Service	715	h 14	Testing Area	1	150	150	Computer Equipment workroom
<b>TOTAL GENERAL - GEN</b>								<b>4,860</b>	

**PROJECT TOTAL NET AREA** 29,970 Was 2,515

TOTAL NET in Renovated Space 11,105 (10)  
 TOTAL NET in New Space 18,865 2,525

<b>EXTERIOR SPACE REQUIREMENTS</b>									
		Exterior Space		i 1	Picnic Area	1	500	500	Covered outdoors eating area
		Exterior Space		i 2	Golf cart storage	3	200	600	Covered area for golf cards / provide power for

**TOTAL NET REQUIREMENTS INCLUDING EXTERIOR** 31,070 \*\* 2,515

\* The total GROSS AREA is estimated at 45,713 SF. See Section XV for summary breakdown.

Other project requirements:

Card Access, Tunnel Entrance, Limited entry points to building, Emergency generator, large unobstructed entry doors, service driveway, loading dock.

END PROGRAM TABLE.



**B. SPACE DESCRIPTION FORMS** (Reference: AVP Policy & Procedure #2 – Attachment A-2))

<b>SPACE NUMBER</b>		<b>A1</b>	
DEPARTMENT:	IRM	SPACE NAME:	<b>Associate Provost's Office</b>
SPACE CATEGORY:	Office	ROOM USE CODE:	310
PERSONNEL ASSIGNED / MAX.:	1	DIMENSION / AREA:	225 NSF
		NUMBER REQUIRED:	1
<b>RELATIONSHIPS</b>			
PRIMARY:	Contig. to private restroom.		
SECONDARY:	Contig. To private conference room		
<b>ARCHITECTURAL</b>			
FLOORS:	Carpet	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:	Yes. Provide Blinds.	LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:	Privacy acoustic insulation in walls		
<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	Min 2 CAT5 drops per room.	ELECTRICAL:	Duplex ea. wall – 3 duplex per room min.
<b>FURNITURE/EQUIP</b>			
FURNITURE/ EQUIP. (OWNER):	Desk w/ return, chair, file cab, bookshelf unit		
FURNITURE / EQUIP. (CONTRACTOR):			
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			

<b>SPACE NUMBER</b>		<b>A2</b>	
DEPARTMENT:	IRM	SPACE NAME:	<b>IRM Reception</b>
SPACE CATEGORY:	Office	ROOM USE CODE:	310
PERSONNEL ASSIGNED / MAX.:	1	DIMENSION / AREA:	155 NSF
		NUMBER REQUIRED:	1
<b>RELATIONSHIPS</b>			
PRIMARY:	Contiguous to Associate Provost		
SECONDARY:			
<b>ARCHITECTURAL</b>			
FLOORS:	Carpet	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	
WINDOWS:	Yes. Provide Blinds.	LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			
<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	Min 2 CAT5 drops per room.	ELECTRICAL:	Duplex ea. wall – 3 duplex per room min
<b>FURNITURE/EQUIP</b>			
FURNITURE/ EQUIP. (OWNER):	Desk w/ return, chair, file cab, bookshelf unit		
FURNITURE / EQUIP. (CONTRACTOR):			
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			
Room for 1 staff & 2 visitors			
Other Department Receptions - Similar			

<b>SPACE NUMBER</b> A3			
DEPARTMENT:	IRM	SPACE NAME:	Bathroom
SPACE CATEGORY:	Office / Service	ROOM USE CODE:	315
PERSONNEL ASSIGNED / MAX.:	1	DIMENSION / AREA:	60 NSF
		NUMBER REQUIRED:	1
<b>RELATIONSHIPS</b>			
PRIMARY:	Contiguous to Vice Provost		
SECONDARY:			
<b>ARCHITECTURAL</b>			
FLOORS:	Ceramic Tile	WALLS:	Ceramic Tile
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:	No	LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:	Sound insulation		
<b>MECHANICAL CRITERIA</b>			
HVAC:	Exhaust Fan	PLUMBING:	Sink, Toilet, H/C Water
DATA/COMM:		ELECTRICAL:	Duplex outlet
<b>FURNITURE/EQUIP</b>			
FURNITURE/EQUIP. (OWNER):			
FURNITURE / EQUIP. (CONTRACTOR):			
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			

<b>SPACE NUMBER</b> A4			
DEPARTMENT:	IRM	SPACE NAME:	Workroom
SPACE CATEGORY:	Office/Service	ROOM USE CODE:	315
PERSONNEL ASSIGNED / MAX.:	1	DIMENSION / AREA:	150 NSF
		NUMBER REQUIRED:	1
<b>RELATIONSHIPS</b>			
PRIMARY:	Near Associate Provost		
SECONDARY:			
<b>ARCHITECTURAL</b>			
FLOORS:	Vinyl Tile	WALLS:	Ptd. Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			
<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	Min 2 CAT5 drops per room.	ELECTRICAL:	Duplex ea. wall – 3 duplex per room min
<b>FURNITURE/EQUIP</b>			
FURNITURE/EQUIP. (OWNER):	Desk w/ return, chair, file cab, bookshelf unit		
FURNITURE / EQUIP. (CONTRACTOR):			
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			

<b>SPACE NUMBER</b> A5
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DEPARTMENT:	IRM	SPACE NAME:	IRM Conference Room
SPACE CATEGORY:	Conferecne	ROOM USE CODE:	350
PERSONNEL ASSIGNED / MAX.:	1	DIMENSION / AREA:	275 NSF
		NUMBER REQUIRED:	1
<b>RELATIONSHIPS</b>			
PRIMARY:	Contig. to Vice Provost		
SECONDARY:			
<b>ARCHITECTURAL</b>			
FLOORS:	Carpet	WALLS:	Ptd.Gyp. Bd.
CEILINGS:	Acoustical tile	DOORS:	
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			
<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	Min 2 CAT5 drops per room.	ELECTRICAL:	Duplex ea. wall – 3 duplex per room min
<b>FURNITURE/EQUIP</b>			
FURNITURE/ EQUIP. (OWNER):	Conference table for 12 with 12 chairs. Audio Visual Equip.		
FURNITURE / EQUIP. (CONTRACTOR):			
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			

<b>SPACE NUMBER</b>	<b>B1, C1, D1, E1, F1, G1, H1</b>		
DEPARTMENT:	Various Departments	SPACE NAME:	Director's Office
SPACE CATEGORY:	Office	ROOM USE CODE:	310
PERSONNEL ASSIGNED / MAX.:	1	DIMENSION / AREA:	175 NSF
		NUMBER REQUIRED:	7
<b>RELATIONSHIPS</b>			
PRIMARY:	FM Director near Associate Provost office		
SECONDARY:			
<b>ARCHITECTURAL</b>			
FLOORS:	Carpet	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:	Yes. Provide Blinds.	LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:	Privacy acoustic insulation in walls		
<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	Min 2 CAT5 drops per room.	ELECTRICAL:	Duplex ea. wall – 3 duplex per room min
<b>FURNITURE/EQUIP</b>			
FURNITURE/ EQUIP. (OWNER):	Desk w/ return, chair, file cab, bookshelf unit		
FURNITURE / EQUIP. (CONTRACTOR):			
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			

<b>SPACE NUMBER</b>	<b>B2, C2, D2, E2, F2, G2, H</b>		
DEPARTMENT:	Various Departments	SPACE NAME:	Ass't / Assoc. Director's Office

<b>SPACE CATEGORY:</b>		Office		<b>ROOM USE CODE:</b>		310	
<b>PERSONNEL ASSIGNED / MAX.:</b>		1		<b>DIMENSION / AREA:</b>		135 NSF	
<b>RELATIONSHIPS</b>							
PRIMARY:							
SECONDARY:							
<b>ARCHITECTURAL</b>							
<b>FLOORS:</b>		Carpet		<b>WALLS:</b>		Ptd.Gyp. Bd. or Ptd. existing CMU	
<b>CEILINGS:</b>		Acoustical tile		<b>DOORS:</b>		Solid	
<b>WINDOWS:</b>		Yes. Provide Blinds.		<b>LIGHTING:</b>		Parabolic Troffers per SUS Guides	
<b>ACOUSTICAL:</b>		Privacy acoustic insulation in walls					
<b>MECHANICAL CRITERIA</b>							
<b>HVAC:</b>				<b>PLUMBING:</b>			
<b>DATA/COMM:</b>		Min 2 CAT5 drops per room.		<b>ELECTRICAL:</b>		Duplex ea. wall – 3 duplex per room min	
<b>FURNITURE/EQUIP</b>							
<b>FURNITURE/EQUIP.</b>		Desk w/ return, chair, file cab, bookshelf unit					
<b>(OWNER):</b>							
<b>FURNITURE/EQUIP.</b>							
<b>(CONTRACTOR):</b>							
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>							

<b>SPACE NUMBER</b>		<b>B3,B4,C3, D3, E3, F3, G3, H2, H4, B18</b>					
<b>DEPARTMENT:</b>		Various Departments		<b>SPACE NAME:</b>		Staff Office	
<b>SPACE CATEGORY:</b>		Office		<b>ROOM USE CODE:</b>		310	
<b>PERSONNEL ASSIGNED / MAX.:</b>		1		<b>DIMENSION / AREA:</b>		120 NSF	
<b>RELATIONSHIPS</b>							
PRIMARY:							
SECONDARY:							
<b>ARCHITECTURAL</b>							
<b>FLOORS:</b>		Carpet		<b>WALLS:</b>		Ptd.Gyp. Bd. or Ptd. existing CMU	
<b>CEILINGS:</b>		Acoustical tile		<b>DOORS:</b>		Solid	
<b>WINDOWS:</b>		If possible		<b>LIGHTING:</b>		Parabolic Troffers per SUS Guides	
<b>ACOUSTICAL:</b>							
<b>MECHANICAL CRITERIA</b>							
<b>HVAC:</b>				<b>PLUMBING:</b>			
<b>DATA/COMM:</b>		Min 2 CAT5 drops per room.		<b>ELECTRICAL:</b>		Duplex ea. wall – 3 duplex per room min	
<b>FURNITURE/EQUIP</b>							
<b>FURNITURE/EQUIP.</b>		Desk w/ return, chair, file cab, bookshelf unit					
<b>(OWNER):</b>							
<b>FURNITURE/EQUIP.</b>							
<b>(CONTRACTOR):</b>							
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>							
		Includes Help Desk Supervisor's office.					

<b>SPACE NUMBER</b>		<b>Varies – All General Storage Areas, Workrooms and File Rooms</b>					
<b>DEPARTMENT:</b>		Various Departments		<b>SPACE NAME:</b>		Storage, Work Rms and File Rms	
<b>SPACE CATEGORY:</b>		Office Service		<b>ROOM USE CODE:</b>		315	

PERSONNEL ASSIGNED / MAX.:	0	DIMENSION / AREA:	Varies	NUMBER REQUIRED:	
<b>RELATIONSHIPS</b>					
PRIMARY:					
SECONDARY:					
<b>ARCHITECTURAL</b>					
FLOORS:	Vinyl Tile	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU		
CEILINGS:	Acoustical tile	DOORS:	Solid		
WINDOWS:	No	LIGHTING:	Parabolic Troffers per SUS Guides		
ACOUSTICAL:					
<b>MECHANICAL CRITERIA</b>					
HVAC:		PLUMBING:			
DATA/COMM:	Min 2 CAT5 drops per room.	ELECTRICAL:	Duplex ea. wall – 3 duplex per room min		
<b>FURNITURE/EQUIP</b>					
FURNITURE/ EQUIP. (OWNER):	2 Tables in Workrooms.				
FURNITURE / EQUIP. (CONTRACTOR):					
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>					

<b>SPACE NUMBER</b>	<b>B5,B6,B7 Staging Areas</b>				
DEPARTMENT:	Various Departments	SPACE NAME:	Staging Areas		
SPACE CATEGORY:	Office / Service	ROOM USE CODE:	310		
PERSONNEL ASSIGNED / MAX.:	1	DIMENSION / AREA:	150 NSF	NUMBER REQUIRED:	3
<b>RELATIONSHIPS</b>					
PRIMARY:					
SECONDARY:					
<b>ARCHITECTURAL</b>					
FLOORS:	Carpet	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU		
CEILINGS:	Acoustical tile	DOORS:	Solid		
WINDOWS:	If possible	LIGHTING:	Parabolic Troffers per SUS Guides		
ACOUSTICAL:					
<b>MECHANICAL CRITERIA</b>					
HVAC:		PLUMBING:			
DATA/COMM:	4 CAT5 drops per room.	ELECTRICAL:	2 Duplex ea. wall		
<b>FURNITURE/EQUIP</b>					
FURNITURE/ EQUIP. (OWNER):	2 Tables each room				
FURNITURE / EQUIP. (CONTRACTOR):					
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>					

<b>SPACE NUMBER</b>	<b>B17</b>				
DEPARTMENT:	Enterprise Computing	SPACE NAME:	Help Desk		
SPACE CATEGORY:	Central Comm / Telecom	ROOM USE CODE:	710		
PERSONNEL ASSIGNED / MAX.:	10	DIMENSION / AREA:	610 NSF	NUMBER REQUIRED:	1

<b>RELATIONSHIPS</b>			
PRIMARY:	Contig. To Help Desk Reception (B8)		
SECONDARY:	Contig. To Help Desk Supervisor (B18)		
<b>ARCHITECTURAL</b>			
FLOORS:	Carpet	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			
<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	6 CAT5 drops	ELECTRICAL:	3 Duplex ea. Wall Min – 2 per person
<b>FURNITURE/EQUIP</b>			
FURNITURE/ EQUIP. (OWNER):	Modular furniture		
FURNITURE / EQUIP. (CONTRACTOR):			
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			

<b>SPACE NUMBER</b>	<b>B8</b>		
DEPARTMENT:	Enterprise Computing	SPACE NAME:	Help Desk Reception
SPACE CATEGORY:	Office	ROOM USE CODE:	310
PERSONNEL ASSIGNED / MAX.:	1	DIMENSION / AREA:	150
		NUMBER REQUIRED:	1
<b>RELATIONSHIPS</b>			
PRIMARY:	Contig to Help Desk (B17)		
SECONDARY:			
<b>ARCHITECTURAL</b>			
FLOORS:	Vinyl Tile	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			
<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	Min 2 CAT5 drops	ELECTRICAL:	Duplex ea. wall
<b>FURNITURE/EQUIP</b>			
FURNITURE/ EQUIP. (OWNER):			
FURNITURE / EQUIP. (CONTRACTOR):	High reception counter		
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			

<b>SPACE NUMBER</b>	<b>B9</b>		
DEPARTMENT:	Enterprise Computing	SPACE NAME:	Operations – Print Production
SPACE CATEGORY:	Central Comm/Telec	ROOM USE CODE:	710
PERSONNEL ASSIGNED / MAX.:	1	DIMENSION / AREA:	800
		NUMBER REQUIRED:	1
<b>RELATIONSHIPS</b>			
PRIMARY:	Contiguous to B10 & B11		

SECONDARY:			
<b>ARCHITECTURAL</b>			
FLOORS:	Vinyl Tile	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid Double doors
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			
<b>MECHANICAL CRITERIA</b>		UPS and EMERGENCY GENERATOR REQUIRED	
HVAC:	DX HVAC w/ Redundancy	PLUMBING:	
DATA/COMM:	10 CAT 5 Drops	ELECTRICAL:	Min 3 Duplex outlets each wall
<b>FURNITURE/EQUIP</b>			
FURNITURE/ EQUIP. (OWNER):			
FURNITURE / EQUIP. (CONTRACTOR):			
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			
HVAC for Computer room as in existing 1002F (B9) Redundancy required			

<b>SPACE NUMBER</b>		<b>B10</b>	
DEPARTMENT:	Enterprise Computing	SPACE NAME:	Operations – Existing
SPACE CATEGORY:	Central Comm/Telec	ROOM USE CODE:	710
PERSONNEL ASSIGNED / MAX.:	1	DIMENSION / AREA:	800
		NUMBER REQUIRED:	1
<b>RELATIONSHIPS</b>			
PRIMARY:		Contiguous to B9 & B11	
SECONDARY:			
<b>ARCHITECTURAL</b>			
FLOORS:	Existing Raised Floor to stay	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid Double doors
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			
<b>MECHANICAL CRITERIA</b>		UPS and EMERGENCY GENERATOR REQUIRED	
HVAC:	DX HVAC w/ Redundancy	PLUMBING:	
DATA/COMM:	As is	ELECTRICAL:	As is
<b>FURNITURE/EQUIP</b>			
FURNITURE/ EQUIP. (OWNER):			
FURNITURE / EQUIP. (CONTRACTOR):			
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			
Exisiting Bldg 22 Rm 102F			
HVAC May need upgrade – ROOM and OPERATIONS TO BE KEPT OPERATIONAL THRU DURATION OF CONSTRUCTION			

<b>SPACE NUMBER</b>		<b>B11</b>	
DEPARTMENT:	Enterprise Computing	SPACE NAME:	Operations – Expansion
SPACE CATEGORY:	Central Comm/Telec	ROOM USE CODE:	710
PERSONNEL ASSIGNED / MAX.:	1	DIMENSION / AREA:	800
		NUMBER REQUIRED:	1
<b>RELATIONSHIPS</b>			
PRIMARY:		Contiguous to B9 & B10	
SECONDARY:			

<b>ARCHITECTURAL</b>			
FLOORS:	Raised Floor w/VCT	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid Double doors
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

<b>MECHANICAL CRITERIA</b> UPS and EMERGENCY GENERATOR REQUIRED			
HVAC:	DX HVAC w/ Redundancy	PLUMBING:	
DATA/COMM:	20 CAT 5 Drops	ELECTRICAL:	4' x 4" GRID of Quad Outlets

<b>FURNITURE/EQUIP</b>			
FURNITURE/ EQUIP. (OWNER):			
FURNITURE / EQUIP. (CONTRACTOR):			

<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			
HVAC for Computer room as in existing 102F (B10) Redundancy required			

<b>SPACE NUMBER</b> B15			
DEPARTMENT:	Enterprise Computing	SPACE NAME:	Tape Library
SPACE CATEGORY:	Cntrl Comm/ Service	ROOM USE CODE:	715
PERSONNEL ASSIGNED / MAX.:	0	DIMENSION / AREA:	120
		NUMBER REQUIRED:	1

<b>RELATIONSHIPS</b>			
PRIMARY:	Contig to Operations		
SECONDARY:			

<b>ARCHITECTURAL</b>			
FLOORS:	Vinyl Tile	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:	No	LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	Min 2 CAT5 drops per room.	ELECTRICAL:	Duplex ea. wall

<b>FURNITURE/EQUIP</b>			
FURNITURE/ EQUIP. (OWNER):			
FURNITURE / EQUIP. (CONTRACTOR):			

<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			
This is existing room 102			

<b>SPACE NUMBER</b> B16			
DEPARTMENT:	Enterprise Computing	SPACE NAME:	ECS Computer Lab
SPACE CATEGORY:	Class Laboratory	ROOM USE CODE:	210
PERSONNEL ASSIGNED / MAX.:	0	DIMENSION / AREA:	495
		NUMBER REQUIRED:	1

<b>RELATIONSHIPS</b>			
PRIMARY:	Near Enterprise Computing Group		
SECONDARY:			



<b>ARCHITECTURAL</b>			
FLOORS:	Carpet	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:	No	LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	10CAT5 drops / AV	ELECTRICAL:	3 Duplex ea wall ** Floor Quads

<b>FURNITURE/EQUIP</b>	
FURNITURE/EQUIP. (OWNER):	
FURNITURE/EQUIP. (CONTRACTOR):	

<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>	
*** Floor Quads for 10 Workstations	

<b>SPACE NUMBER</b>	<b>H10</b>
DEPARTMENT:	General
SPACE NAME:	Large 80 Student Computer Lab
SPACE CATEGORY:	Computer Study
ROOM USE CODE:	412
PERSONNEL ASSIGNED / MAX.:	80
DIMENSION / AREA:	2400
NUMBER REQUIRED:	1

<b>RELATIONSHIPS</b>	
PRIMARY:	Entrance from outside only. No Egress to building
SECONDARY:	

<b>ARCHITECTURAL</b>			
FLOORS:	VCT	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	CAT5 drops for 80 / AV	ELECTRICAL:	3 Duplex ea wall ** Floor Quads

<b>FURNITURE/EQUIP</b>	
FURNITURE/EQUIP. (OWNER):	
FURNITURE/EQUIP. (CONTRACTOR):	

<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>	
*** Floor Quads for 80 Workstations	

<b>SPACE NUMBER</b>	<b>E7</b>
DEPARTMENT:	Telecommunications
SPACE NAME:	Telecom Operations
SPACE CATEGORY:	Central Comm / Telec.
ROOM USE CODE:	710
PERSONNEL ASSIGNED / MAX.:	5
DIMENSION / AREA:	400
NUMBER REQUIRED:	1

<b>RELATIONSHIPS</b>	
PRIMARY:	Near telecom open offices
SECONDARY:	

<b>ARCHITECTURAL</b>	
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FLOORS:	VCT	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

**MECHANICAL CRITERIA**

HVAC:		PLUMBING:	
DATA/COMM:	5 CAT5 drops	ELECTRICAL:	3 Duplex ea wall

**FURNITURE/EQUIP**

FURNITURE/ EQUIP. (OWNER):	
FURNITURE / EQUIP. (CONTRACTOR):	

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

<b>SPACE NUMBER</b>	<b>H5</b>				
DEPARTMENT:	General	SPACE NAME:	Reception / Lobby		
SPACE CATEGORY:	Office – Lobby	ROOM USE CODE:	310		
PERSONNEL ASSIGNED / MAX.:	1	DIMENSION / AREA:	700	NUMBER REQUIRED:	1

**RELATIONSHIPS**

PRIMARY:	Main Building entrance
SECONDARY:	

**ARCHITECTURAL**

FLOORS:	VCT or special flooring	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile or special	DOORS:	Solid
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:	Minimize spillover noise from lobby		

**MECHANICAL CRITERIA**

HVAC:		PLUMBING:	
DATA/COMM:	2 CAT5 drops	ELECTRICAL:	2 Duplex ea wall

**FURNITURE/EQUIP**

FURNITURE/ EQUIP. (OWNER):	
FURNITURE / EQUIP. (CONTRACTOR):	

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

<b>SPACE NUMBER</b>	<b>H7</b>				
DEPARTMENT:	General	SPACE NAME:	Mail Room		
SPACE CATEGORY:	Office Service	ROOM USE CODE:	315		
PERSONNEL ASSIGNED / MAX.:	0	DIMENSION / AREA:	150	NUMBER REQUIRED:	1

**RELATIONSHIPS**

PRIMARY:	Near staff lounge
SECONDARY:	

**ARCHITECTURAL**

FLOORS:	VCT	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
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CEILING:	Acoustical tile	DOORS:	Solid
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

**MECHANICAL CRITERIA**

HVAC:		PLUMBING:	
DATA/COMM:		ELECTRICAL:	Duplex ea wall

**FURNITURE/EQUIP**

FURNITURE/ EQUIP. (OWNER):	
FURNITURE / EQUIP. (CONTRACTOR):	Mail boxes for staff – about 100 slots.

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

**SPACE NUMBER H13**

DEPARTMENT:	General	SPACE NAME:	UPS Room
SPACE CATEGORY:	Cntrl Com Service	ROOM USE CODE:	715
PERSONNEL ASSIGNED / MAX.:	0	DIMENSION / AREA:	130
		NUMBER REQUIRED:	1

**RELATIONSHIPS**

PRIMARY:	Contig. To Computer room - Operations
SECONDARY:	

**ARCHITECTURAL**

FLOORS:	VCT	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILING:	Acoustical tile	DOORS:	Solid
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

**MECHANICAL CRITERIA**

HVAC:		PLUMBING:	
DATA/COMM:	Existing	ELECTRICAL:	Existing

**FURNITURE/EQUIP**

FURNITURE/ EQUIP. (OWNER):	
FURNITURE / EQUIP. (CONTRACTOR):	

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

Existing Bldg 22 Rm 102A
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**SPACE NUMBER F5**

DEPARTMENT:	Learning Resources	SPACE NAME:	Photography Studio
SPACE CATEGORY:	Media Production	ROOM USE CODE:	530
PERSONNEL ASSIGNED / MAX.:	6	DIMENSION / AREA:	1500
		NUMBER REQUIRED:	1

**RELATIONSHIPS**

PRIMARY:	Other Media areas
SECONDARY:	

**ARCHITECTURAL**

FLOORS:	VCT	WALLS:	Ptd.Gyp. Bd.
CEILING:	Acoustical tile**	DOORS:	Solid Double doors
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides

ACOUSTICAL:			
<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	3 CAT 5 Drops	ELECTRICAL:	2 Quads ea. Wall
<b>FURNITURE/EQUIP</b>			
FURNITURE/ EQUIP. (OWNER):			
FURNITURE / EQUIP. (CONTRACTOR):			

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

\*\* Clg may have to be eliminated to gain height required – clear ht - 12’ min, 18’ preferred

Open layout (no columns), 12’ min. ceiling height (18’ preferred), no windows, all walls and ceilings painted flat black. High glide track lighting system crisscrossing room with 4-6 light lifts to enable studio work with tungsten and flash lighting, soft boxes and other lighting accessories. High glide track background system around perimeter of studio with three large muslin (16’ X 30”) and 1 chromakey green screen (10’X10’) backdrops. Tabletop platform with Alzo 300 cool lights is needed for shooting scientific, medical and lab specimens. Full size refrigerator for film and chemical storage. Fire proof cabinet for storage of cameras, equipment and backup files.

<b>SPACE NUMBER</b>	<b>F8</b>		
DEPARTMENT:	Learning Resources	SPACE NAME:	Dressing Room
SPACE CATEGORY:	Media Prod.	ROOM USE CODE:	535
PERSONNEL ASSIGNED / MAX.:	0	DIMENSION / AREA:	80
		NUMBER REQUIRED:	1

**RELATIONSHIPS**

PRIMARY: Near Photo Studio

SECONDARY:

**ARCHITECTURAL**

FLOORS:	Carpet	WALLS:	Ptd.Gyp. Bd.
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:	No	LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:		ELECTRICAL:	2 Duplex

<b>FURNITURE/EQUIP</b>	
FURNITURE/ EQUIP. (OWNER):	Stool
FURNITURE / EQUIP. (CONTRACTOR):	4 lockers: Hooks on one wall for clothing. Counter for make-up. 2 mirrored walls.

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

<b>SPACE NUMBER</b>	<b>F6</b>		
DEPARTMENT:	Learning Resources	SPACE NAME:	Art Production
SPACE CATEGORY:	Media Production	ROOM USE CODE:	530
PERSONNEL ASSIGNED / MAX.:	6	DIMENSION / AREA:	700
		NUMBER REQUIRED:	1

**RELATIONSHIPS**

PRIMARY: Other Media areas

SECONDARY:

**ARCHITECTURAL**

FLOORS:	VCT	WALLS:	Ptd.Gyp. Bd.
CEILINGS:	Acoustical tile	DOORS:	Solid Double doors
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides

ACOUSTICAL:			
<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	3 CAT 5 Drops	ELECTRICAL:	3 duplex ea. Wall
<b>FURNITURE/EQUIP</b>			
FURNITURE/ EQUIP. (OWNER):			
FURNITURE / EQUIP. (CONTRACTOR):			

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**  
 Requires daylight florescent lighting and concentrated lighting over a working counter 3'X10' with cutout for 24"X24" built in color correct light box. Central scanning station for flatbed, high production slide, large transparency scanner and film recorder with 8 electrical outlets and network connections.

<b>SPACE NUMBER</b>	<b>F7</b>		
DEPARTMENT:	Learning Resources	SPACE NAME:	AV Media Center
SPACE CATEGORY:	Media Production	ROOM USE CODE:	530
PERSONNEL ASSIGNED / MAX.:	6	DIMENSION / AREA:	1350
		NUMBER REQUIRED:	1
<b>RELATIONSHIPS</b>			
PRIMARY:	Other Media areas Corner daylight location		
SECONDARY:			

<b>ARCHITECTURAL</b>			
FLOORS:	VCT	WALLS:	Ptd.Gyp. Bd.
CEILINGS:	Acoustical tile	DOORS:	Solid Double doors
WINDOWS:	Required	LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	4 CAT 5 Drops	ELECTRICAL:	4 duplex ea. Wall
<b>FURNITURE/EQUIP</b>			
FURNITURE/ EQUIP. (OWNER):			
FURNITURE / EQUIP. (CONTRACTOR):			

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**  
 Ground level, corner, plenty of natural light is required. Large counter for work related functions 24/7 digital video surveillance.

<b>SPACE NUMBER</b>	<b>F9</b>		
DEPARTMENT:	Learning Resources	SPACE NAME:	Dark Room
SPACE CATEGORY:	Media Production	ROOM USE CODE:	535
PERSONNEL ASSIGNED / MAX.:	0	DIMENSION / AREA:	200
		NUMBER REQUIRED:	1
<b>RELATIONSHIPS</b>			
PRIMARY:	Other Media areas		
SECONDARY:			

<b>ARCHITECTURAL</b>			
FLOORS:	VCT stain resistant	WALLS:	Epoxy Ptd.Gyp. Bd.
CEILINGS:	Acoustical tile	DOORS:	Solid - light seal
WINDOWS:	NONE	LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

<b>MECHANICAL CRITERIA</b>			
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HVAC:		PLUMBING:	SS 2x8 Sink; Filtered H/C water
DATA/COMM:	2 CAT 5 Drops	ELECTRICAL:	2 duplex ea. Wall 220v required

**FURNITURE/EQUIP**

FURNITURE/ EQUIP. (OWNER):	
FURNITURE / EQUIP. (CONTRACTOR):	

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

Windowless with stainless steel sink (2'X8') with filtered water, point of use hot water tank and chiller (220 electrical). Wall mounted film dryer. Plumbing and electrical for sink and e-6 processor. Installed nitrogen tank and chemical disposal.

<b>SPACE NUMBER</b>	<b>F13</b>				
DEPARTMENT:	Learning Resources	SPACE NAME:	Spray Room		
SPACE CATEGORY:	Media Production	ROOM USE CODE:	535		
PERSONNEL ASSIGNED / MAX.:	0	DIMENSION / AREA:	200	NUMBER REQUIRED:	1

**RELATIONSHIPS**

PRIMARY:	Other Media areas
SECONDARY:	

**ARCHITECTURAL**

FLOORS:	VCT	WALLS:	Epoxy Ptd.Gyp. Bd.
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:	None	LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

**MECHANICAL CRITERIA**

HVAC:	Extra Ventilation – Hood?	PLUMBING:	
DATA/COMM:		ELECTRICAL:	duplex ea. Wall

**FURNITURE/EQUIP**

FURNITURE/ EQUIP. (OWNER):	
FURNITURE / EQUIP. (CONTRACTOR):	

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

<b>SPACE NUMBER</b>	<b>F14</b>				
DEPARTMENT:	Learning Resources	SPACE NAME:	Laminating		
SPACE CATEGORY:	Media Production	ROOM USE CODE:	535		
PERSONNEL ASSIGNED / MAX.:	0	DIMENSION / AREA:	200	NUMBER REQUIRED:	1

**RELATIONSHIPS**

PRIMARY:	Other Media areas
SECONDARY:	

**ARCHITECTURAL**

FLOORS:	VCT	WALLS:	Epoxy Ptd.Gyp. Bd.
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:	None	LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

**MECHANICAL CRITERIA**

HVAC:	Special Ventilation	PLUMBING:	
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DATA/COMM: 2 CAT 5 Drops	ELECTRICAL: duplex ea. Wall 220V Circuit
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**FURNITURE/EQUIP**

FURNITURE/ EQUIP.  
(OWNER):

FURNITURE / EQUIP.  
(CONTRACTOR):

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

Ventilation for large laminating machine

**SPACE NUMBER F4**

DEPARTMENT:	Learning Resources	SPACE NAME:	AV Art Reception
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SPACE CATEGORY:	Office	ROOM USE CODE:	310
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PERSONNEL ASSIGNED / MAX.:	0	DIMENSION / AREA:	300	NUMBER REQUIRED:	1
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**RELATIONSHIPS**

PRIMARY: Near Lobby – near Art production and Photo Studio

SECONDARY:

**ARCHITECTURAL**

FLOORS:	VCT	WALLS:	Epoxy Ptd.Gyp. Bd.
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CEILINGS:	Acoustical tile	DOORS:	Solid – Double entry
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WINDOWS:	None	LIGHTING:	Parabolic Troffers per SUS Guides
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ACOUSTICAL:

**MECHANICAL CRITERIA**

HVAC:	Special Ventilation	PLUMBING:	
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DATA/COMM: 2 CAT 5 Drops	ELECTRICAL: 2duplex ea. Wall
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**FURNITURE/EQUIP**

FURNITURE/ EQUIP.  
(OWNER):

FURNITURE / EQUIP.  
(CONTRACTOR):

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

Reception area 24'X8' or 15 x 20 with ample counter space for receiving work orders, delivering finished product and making appointments.

**SPACE NUMBER E5**

DEPARTMENT:	Telecom	SPACE NAME:	Open Offices
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SPACE CATEGORY:	Office	ROOM USE CODE:	310
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PERSONNEL ASSIGNED / MAX.:	5	DIMENSION / AREA:	395 NSF	NUMBER REQUIRED:	1
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**RELATIONSHIPS**

PRIMARY: Near Telecom Operations area

SECONDARY:

**ARCHITECTURAL**

FLOORS:	Carpet	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
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CEILINGS:	Acoustical tile	DOORS:	Solid
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WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
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ACOUSTICAL:

**MECHANICAL CRITERIA**

HVAC:		PLUMBING:	
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DATA/COMM: 5 CAT5 drops	ELECTRICAL: 2 Duplex ea. wall min
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<b>FURNITURE/EQUIP</b>	
FURNITURE/ EQUIP. (OWNER):	
FURNITURE / EQUIP. (CONTRACTOR):	

<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>	

<b>SPACE NUMBER</b>	<b>H12</b>		
DEPARTMENT:	General	SPACE NAME:	<b>Printer Room</b>
SPACE CATEGORY:	Comp. Service	ROOM USE CODE:	415
PERSONNEL ASSIGNED / MAX.:	0	DIMENSION / AREA:	120NSF
		NUMBER REQUIRED:	1

<b>RELATIONSHIPS</b>	
PRIMARY:	Central
SECONDARY:	

<b>ARCHITECTURAL</b>			
FLOORS:	VCT	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	2 CAT5 drops	ELECTRICAL:	Duplex ea. wall min

<b>FURNITURE/EQUIP</b>	
FURNITURE/ EQUIP. (OWNER):	
FURNITURE / EQUIP. (CONTRACTOR):	

<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>	

<b>SPACE NUMBER</b>	<b>H3</b>		
DEPARTMENT:	General	SPACE NAME:	<b>Vendor Office</b>
SPACE CATEGORY:	Office	ROOM USE CODE:	310
PERSONNEL ASSIGNED / MAX.:	1	DIMENSION / AREA:	100NSF
		NUMBER REQUIRED:	2

<b>RELATIONSHIPS</b>	
PRIMARY:	
SECONDARY:	

<b>ARCHITECTURAL</b>			
FLOORS:	Carpet	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

<b>MECHANICAL CRITERIA</b>			
HVAC:		PLUMBING:	
DATA/COMM:	2 CAT5 drops	ELECTRICAL:	Duplex ea. wall min

<b>FURNITURE/EQUIP</b>	
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FURNITURE/ EQUIP.  
(OWNER):

FURNITURE/ EQUIP.  
(CONTRACTOR):

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

**SPACE NUMBER H6**

DEPARTMENT:	General	SPACE NAME:	Staff Lounge
SPACE CATEGORY:	Office Service	ROOM USE CODE:	315
PERSONNEL ASSIGNED / MAX.:	0	DIMENSION / AREA:	220
		NUMBER REQUIRED:	1

**RELATIONSHIPS**

PRIMARY: Central  
SECONDARY:

**ARCHITECTURAL**

FLOORS:	VCT	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

**MECHANICAL CRITERIA**

HVAC:		PLUMBING:	Sink w H/C water, water fountain
DATA/COMM:	2 CAT5 drops	ELECTRICAL:	4 Duplex outlets

**FURNITURE/EQUIP**

FURNITURE/ EQUIP. (OWNER): 2 tables 3x5; 12 chairs

FURNITURE/ EQUIP. (CONTRACTOR): Kitchen cabinets, drawers

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

Make room for vending machines and provide elect. Outlets.

**SPACE NUMBER H8**

DEPARTMENT:	General	SPACE NAME:	Small Conference Rooms
SPACE CATEGORY:	Conf Rm	ROOM USE CODE:	350
PERSONNEL ASSIGNED / MAX.:	0	DIMENSION / AREA:	225 NSF
		NUMBER REQUIRED:	3

**RELATIONSHIPS**

PRIMARY:  
SECONDARY:

**ARCHITECTURAL**

FLOORS:	Carpet	WALLS:	Ptd.Gyp. Bd. or Ptd. existing CMU
CEILINGS:	Acoustical tile	DOORS:	Solid
WINDOWS:		LIGHTING:	Parabolic Troffers per SUS Guides
ACOUSTICAL:			

**MECHANICAL CRITERIA**

HVAC:		PLUMBING:	
DATA/COMM:	2 CAT5 drops; AV ready	ELECTRICAL:	Duplex ea. wall min

**FURNITURE/EQUIP**

FURNITURE/ EQUIP. Table and 8 chairs – each conference room (3)

(OWNER):  
 FURNITURE / EQUIP.  
 (CONTRACTOR):

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

**SPACE NUMBER H9**

DEPARTMENT: General SPACE NAME: **Small Conference Rooms**

SPACE CATEGORY: Conf Rm ROOM USE CODE: 350

PERSONNEL ASSIGNED / MAX.: 0 DIMENSION / AREA: 625 NSF NUMBER REQUIRED: 1

**RELATIONSHIPS**

PRIMARY:

SECONDARY:

**ARCHITECTURAL**

FLOORS: Carpet WALLS: Ptd.Gyp. Bd. or Ptd. existing CMU

CEILINGS: Acoustical tile DOORS: Solid

WINDOWS: LIGHTING: Parabolic Troffers per SUS Guides

ACOUSTICAL:

**MECHANICAL CRITERIA**

HVAC: PLUMBING:

DATA/COMM: 2 CAT5 drops; Video Conf ELECTRICAL: Duplex ea. wall min

**FURNITURE/EQUIP**

FURNITURE / EQUIP. Table and 20 chairs

(OWNER):

FURNITURE / EQUIP.

(CONTRACTOR):

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

Video Conference capability

**SPACE NUMBER OUTDOORS**

DEPARTMENT: General SPACE NAME: **Exterior Picnic Area**

SPACE CATEGORY: Exterior ROOM USE CODE:

PERSONNEL ASSIGNED / MAX.: 0 DIMENSION / AREA: 500NSF NUMBER REQUIRED: 1

**RELATIONSHIPS**

PRIMARY:

SECONDARY:

**ARCHITECTURAL**

FLOORS: Concrete or pavers WALLS:

CEILINGS: DOORS:

WINDOWS: LIGHTING: Pedestrian height exterior light poles

ACOUSTICAL:

**MECHANICAL CRITERIA**

HVAC: Hose Bib PLUMBING:

DATA/COMM: Wireless ELECTRICAL: Duplex w GFI

**FURNITURE/EQUIP**

FURNITURE / EQUIP.

(OWNER):

FURNITURE / EQUIP.  
(CONTRACTOR):

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

<b>SPACE NUMBER</b>		<b>OUTDOORS</b>	
DEPARTMENT:	General	SPACE NAME:	<b>Covered Golf Cart Parking</b>
SPACE CATEGORY:	Exterior	ROOM USE CODE:	
PERSONNEL ASSIGNED / MAX.:	0	DIMENSION / AREA:	200 +/-NSF
		NUMBER REQUIRED:	1

**RELATIONSHIPS**  
PRIMARY: At a side door – not at front entrance  
SECONDARY:

**ARCHITECTURAL**  
FLOORS: Concrete      WALLS:  
CEILINGS:      DOORS:  
WINDOWS:      LIGHTING: Wall Lighting  
ACOUSTICAL:

**MECHANICAL CRITERIA**  
HVAC:      PLUMBING:  
DATA/COMM:      ELECTRICAL: 4 GFI outlets for Battery chargers

**FURNITURE/EQUIP**  
FURNITURE / EQUIP. Battery Chargers  
(OWNER):  
FURNITURE / EQUIP.  
(CONTRACTOR):

**SUPPLEMENTAL INFORMATION/REQUIREMENTS**

**A. UTILITIES IMPACT ANALYSIS**

U.P.S. for computer room permits temporary or momentary interruptions of electrical service. New emergency generator will be installed shortly to provide standby capacity to keep computer room and necessary services operational.

The grassy area to the west side of Building 22 is utilized as the Fire Truck access. Should the expansion to building 22 eliminate the current access, the existing tunnel will need to be reinforced to maintain Fire Truck access.

Provide utilities meter for CHW, HW, and Water to both the expansion and for the renovation to the existing building. Include double back flow preventers (BFP) on domestic water for both the expansion and the renovation. A new Fire Line DCDA will supply water to this Building Addition. Relocate Fire Department Connection (FDC) The new expansion is to be sprinklered. If the building is designed with an atrium, the atrium will include a smoke evacuation system.

The design for renovating the existing facility should include mechanical rooms to house air handling units, etc. Currently, the space is air conditioned with units located above the ceiling. This will not be acceptable in the new design. In all likelihood, a minimum of two rooms, approximately 20 ft x 13 ft, will be required. Note that ceiling heights should be coordinated carefully with existing structurally limitations and new light fixtures such that a full ducted supply and return air system is achievable.

It should be pointed out that some extraordinary costs may be necessary for the renovation of the existing area due to the desire to keep the computer room operational during construction. Consideration may be warranted for a due diligence study ahead of the project to better define scope and programming.

**1. CHILLED WATER: (SUS CM-N-04.00-09/97 A)**

The new expansion will require additional chilled water from main plan (CUP). This should include capacity to serve existing building A.C. systems. Existing chilled water systems and pumps should be maintained for the computer room with piping for the existing unit. New air handling units and piping will be necessary for the rehabilitation of the existing A.C. system during the building renovation.

160 linear feet of underground chilled water piping (6in) and 160 linear feet of underground hot water piping (4in) with insulation will be required to provide HVAC from the existing tunnel system. Please note that the project will be phased in the following fashion. The new expansion will be built and occupants from existing space will relocate. At that point the existing space will be gutted, with the exception of the computer rooms which must be kept operational, and remodeled. A/E design team should pay particular attention to preparing demolition drawings and coordinating keeping these rooms operational. Existing chilled water systems and pumps should be maintained for the computer room with piping for the existing unit.

Air conditioning for computer in room 102 is provided by three 4-Ton capacity direct expansion units. The distribution system is via a raised floor plenum. In addition there is a air handling unit mounted on the raised floor in the computer room which is provided with chilled water from the tunnel system. Currently an additional roof-top redundant air cooled chiller has been designed for the computer room as a standby for the three (3) 4 – ton units.

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**2. HOT WATER: (SUS CM-N-04.00-09/97 B)**

Primary hot water will be provided through existing piping from the nearby tunnel. An analysis will be made by the engineer to verify the existing entrance piping size. The expansion shall provide a heat exchanger, pumps, and controls as required for secondary hot water system for the additional area. Heating will be accomplished through the use of reheat coils in the ductwork and air-handling units. The existing Central Plant Boilers and distribution piping system have capacity for this added load.

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**3. ELECTRICAL: (SUS CM-N-04.00-09/97 C)**

The size of the new generator should be reviewed, as the decision as to whether or not the entire building should be on emergency power, including ALL D.X. units to provide standby power should the C.U.P not be able to provide chilled water.

Leak detection system should be considered for under the raised floors.

A stand alone transformer shall be provided to feed the existing bldg. and the new renovation, the transformer will be connected to existing feeders 3&4 located in the tunnel running north and south and east and west, the transformer shall be oil filled pad mounted.

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**4. POTABLE WATER: (SUS CM-N-04.00-09/97 D)**

The plans show a 6 inch water main west of Bldg22, running north-south through this building project site. Relocate the existing 6” Water Pipe from under this new building addition. Tap into this existing 6 inch pipe, south of this new building addition for new Domestic and Fire supply pipes to this new building addition. The existing Bldg 22 will remain operational, while constructing this addition. The supply is the Campus water loop with capacity from the City of Boca Raton. Typical water pressure on Campus is 60psi at fire hydrants. The domestic water will have double, parallel BFP assemblies. This building addition will add 10 gallons per day(GPD), per office building occupant. A small electric water heater will provide hot water to the mop sinks. Include an EMON compatible water meter, Invensys or equal.

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**5. SANITARY: (SUS CM-N-04.00-09/97 D)**

This added sewer load is 10GPD per office building occupant. Fixture counts(FCU) tbd by design. The existing Campus Lift Station pump capacity will handle this added load. Existing 15”sanitary pipes run through this site. Relocate the existing 15”San pipe from under this new building foot print. Connect the new sanitary pipes to existing adjacent sanitary pipes. Relocate the existing 15” SAN pipe running N-S under this new building site.

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**6. IRRIGATION: (SUS CM-N-04.00-09/97 E)**

The existing irrigation branch lines in the grass site area will be broken / removed. New branch line pipes will irrigate around the new building foot print. The existing control valve and timer will be replaced.

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**7. STORM WATER MANAGEMENT:**

Plans will be submitted to SFWMD and Lake Worth Drainage District for Permitting. The Consultant will request the Operational Permit, after construction. New SD pipes will connect to existing SD pipes running east and north of Bldg22.

**8. NATURAL GAS:**

N/A

**9. TELECOMMUNICATIONS:**

The existing campus wide cable system originates in the existing computer center and extends into the Utility tunnel. Internal wiring for telecommunication is to be complete by Telecommunication Sub contractor through FAU. Cable trays and conduits to be provided by the construction manager.

**10. FIRE ALARM SYSTEM:**

A complete fire alarm system including ADA requirements, compatible with existing campus systems will be installed. Provisions will include an automatic dialer directly to the Campus Police.

**11. ENERGY MANAGEMENT CONTROL SYSTEM:**

A complete EMS will be installed, with connections to the existing front end system, located in the Central Utility Plant. New wiring to the Central Utility Plant shall be in the Utility tunnel.

**12. SITE LIGHTING:**

Walkway and site lighting fixtures complying with the campus standards and SUS guidelines for foot-candle levels will be installed, as required by the building footprint.

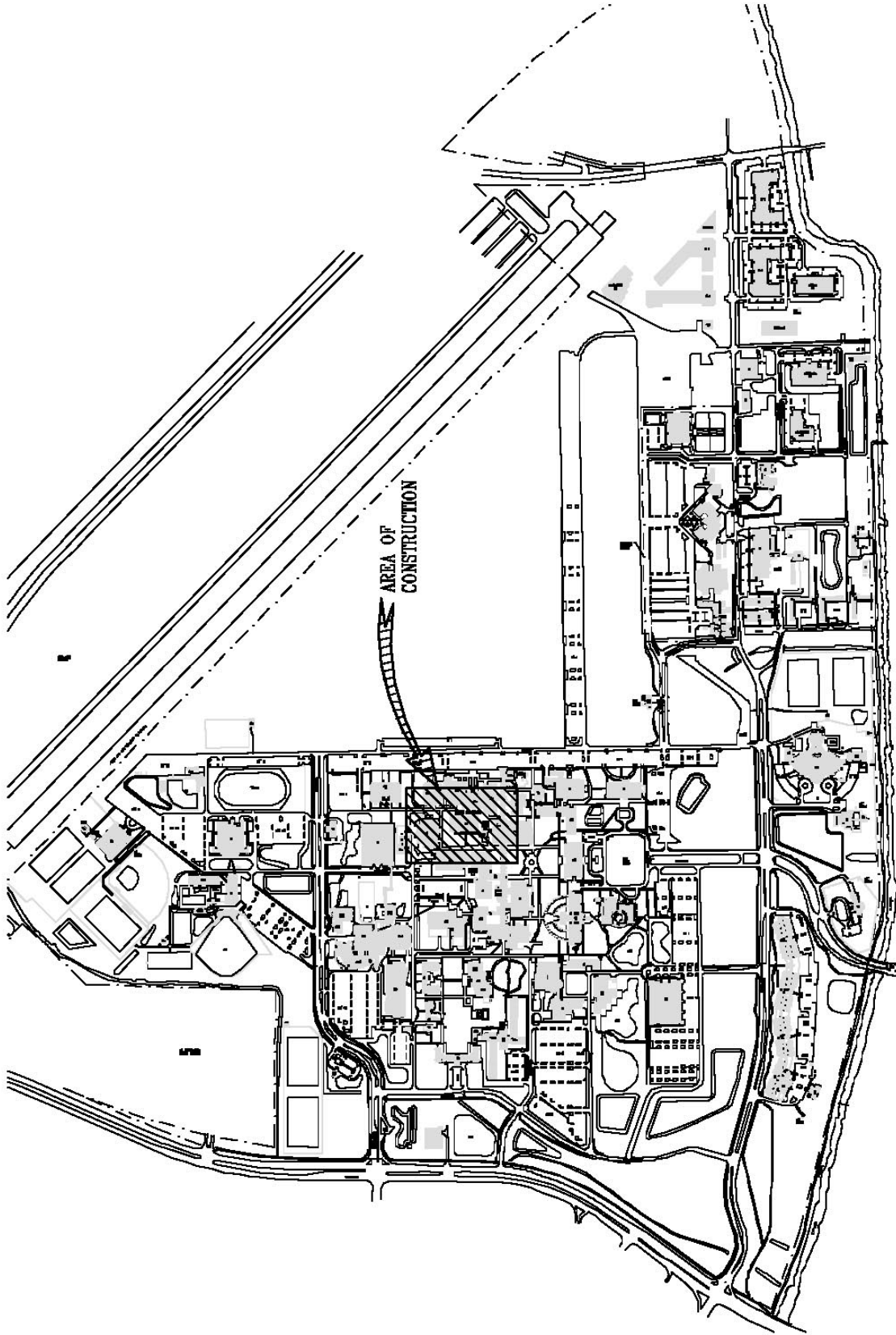
**13. SURFACE IMPROVEMENTS:**



Walkways and landscape will be reconfigured, as required, to provide access through the site, and promote quality outdoor space.

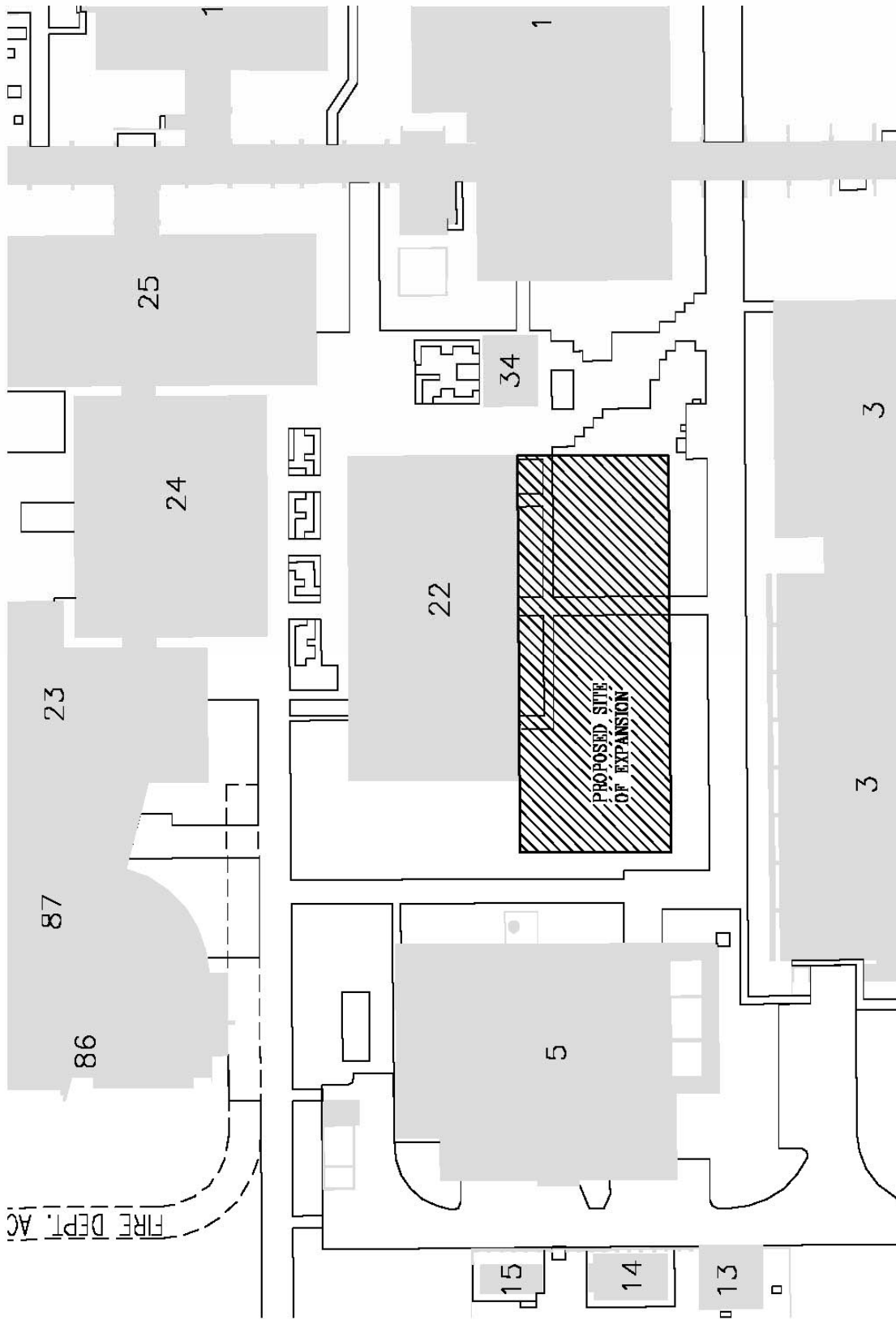
**B. UTILITIES MAPS**



The following site maps are included in this section below:

1. Campus location map – Area of construction
2. Proposed Site of Expansion
3. Chilled Water Distribution
4. High Voltage Electrical Distribution
5. Natural Gas Distribution
6. Hot Water Distribution
7. Reuse Water for Irrigation
8. Potable Water Distribution
9. Sanitary Sewage
10. Stormwater Drainage
11. IRM Telecommunications Distribution

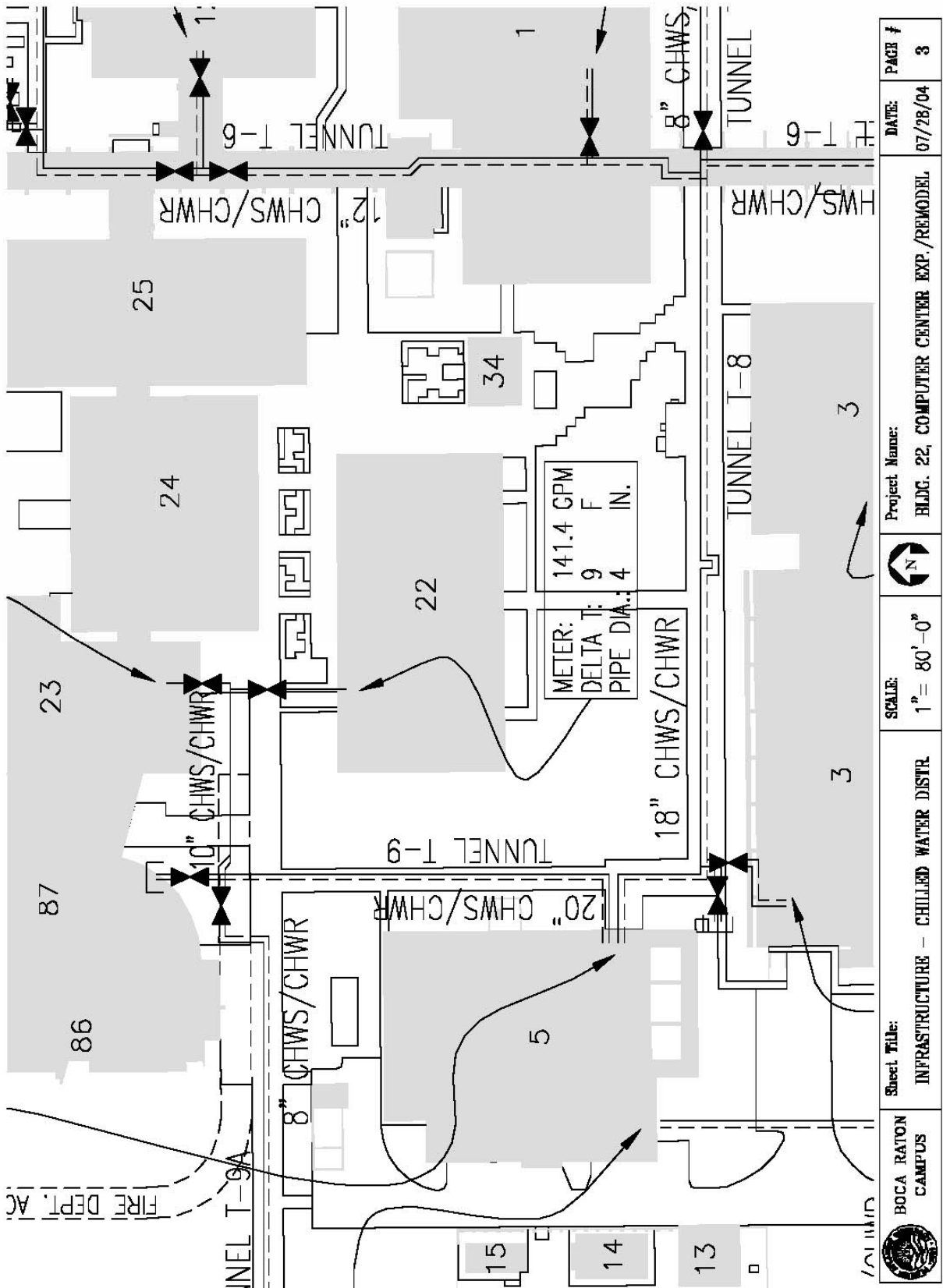



	BOCA RATON CAMPUS	Sheet Title: CAMPUS MAP - AREA OF CONSTRUCTION	SCALE: NOT TO SCALE		Project Name: BLDG. 22, COMPUTER CENTER EXP./REMODEL	DATE: 07/28/04	PAGE # 1
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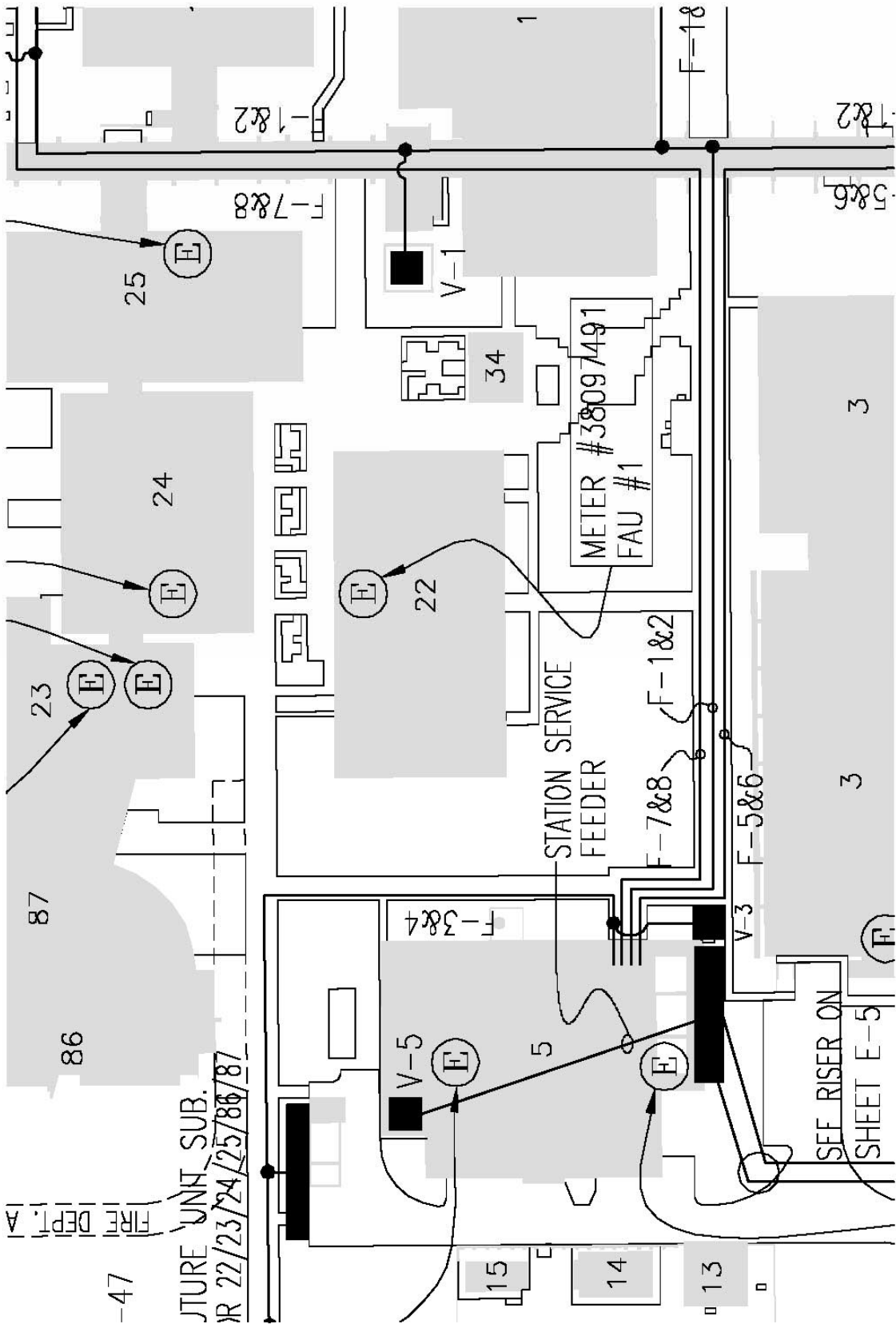


	BOCA RATON CAMPUS	Sheet Title: PROPOSED SITE OF EXPANSION	SCALE: 1" = 80' - 0"		Project Name: BLDG. 22, COMPUTER CENTER EXP./REMODEL	DATE: 07/28/04	PAGE # 2



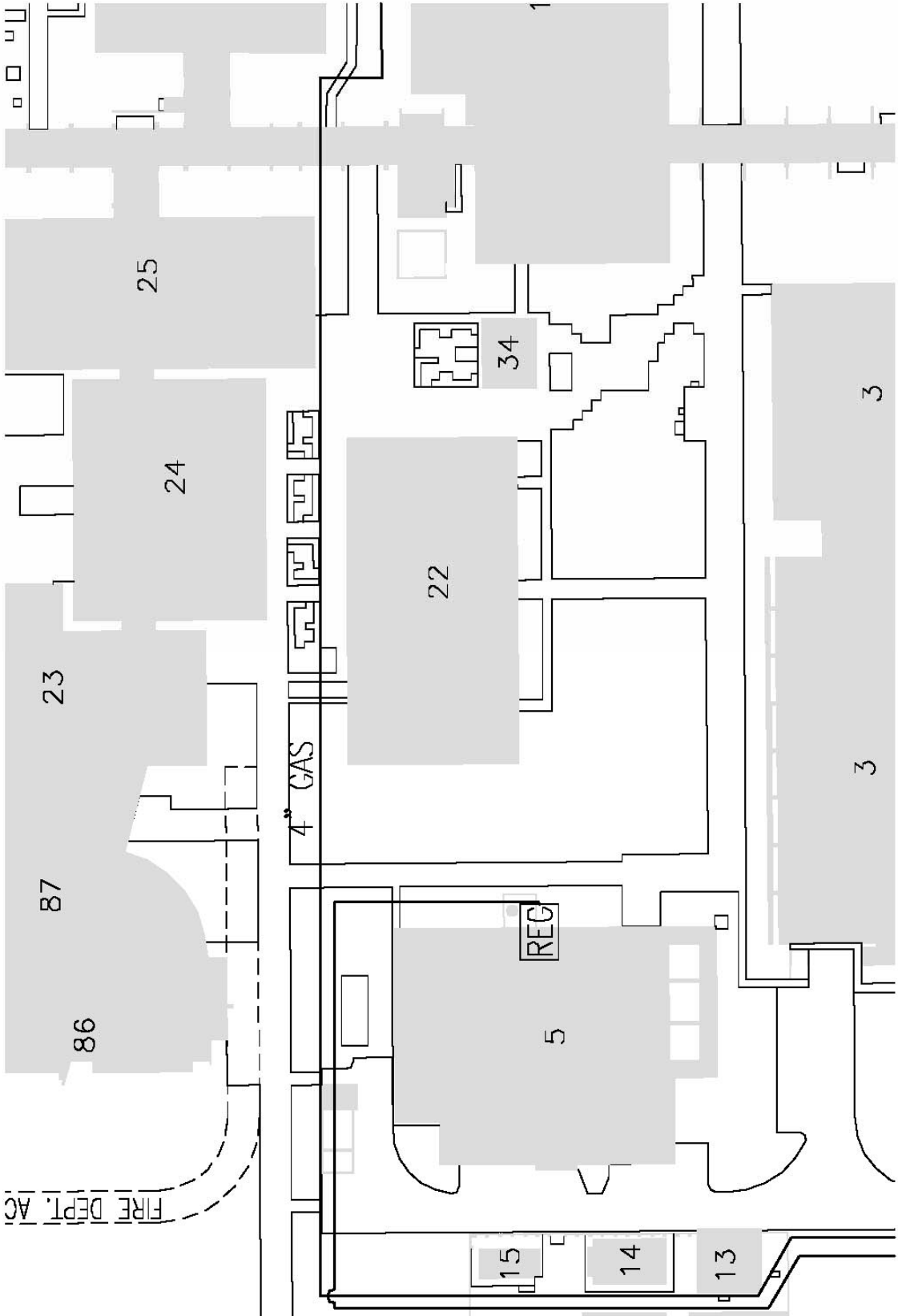




	<b>BOCA RATON CAMPUS</b>	<b>Sheet Title:</b> INFRASTRUCTURE - CHILLED WATER DISTR.	<b>SCALE:</b> 1" = 80'-0"	<b>Project Name:</b> BLDG. 22, COMPUTER CENTER EXP./REMODEL	<b>DATE:</b> 07/28/04	<b>PAGE #</b> 3
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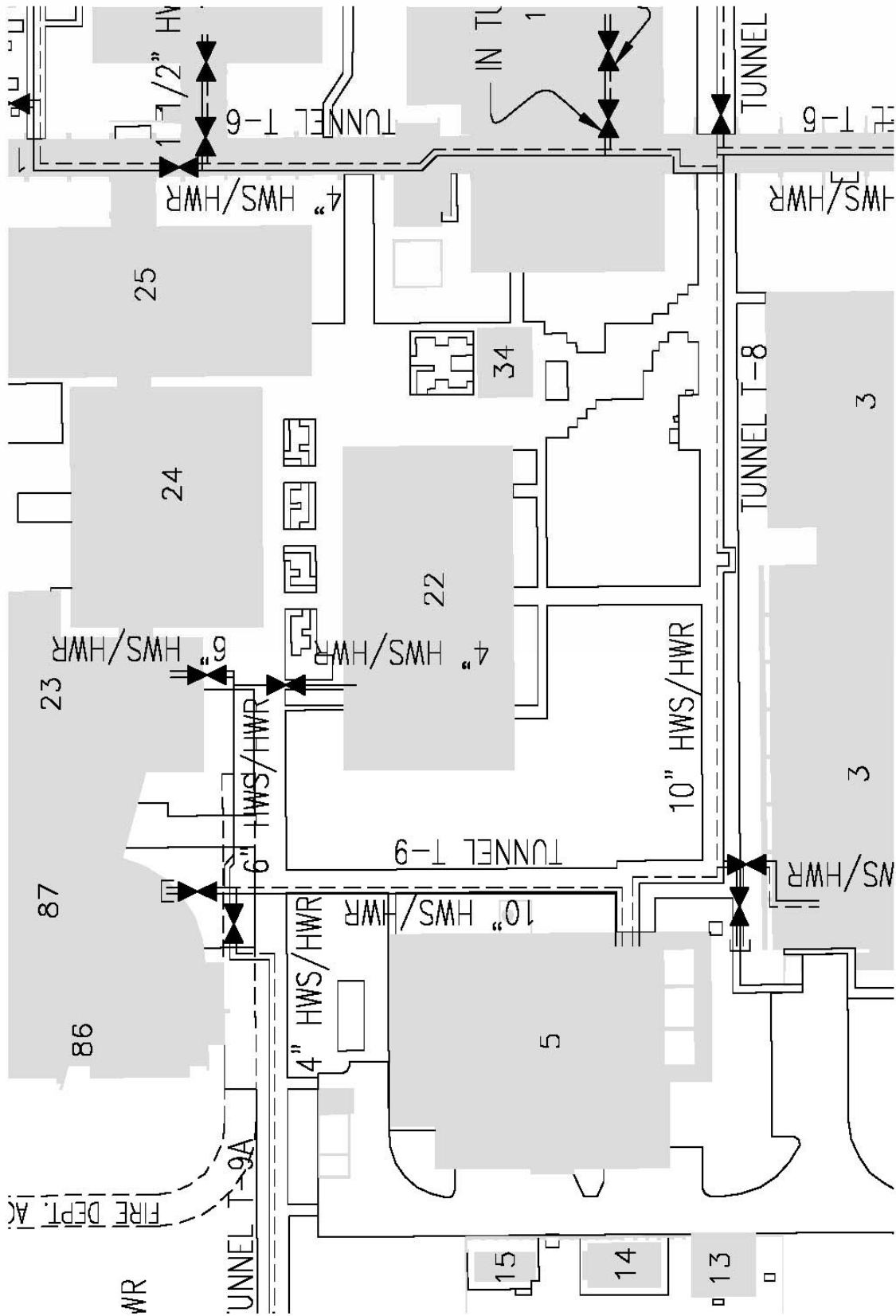




-47  
 FIRE DEPT. A  
 STRUCTURE UNIT SUB.  
 TR 22/23/24/25/86/87

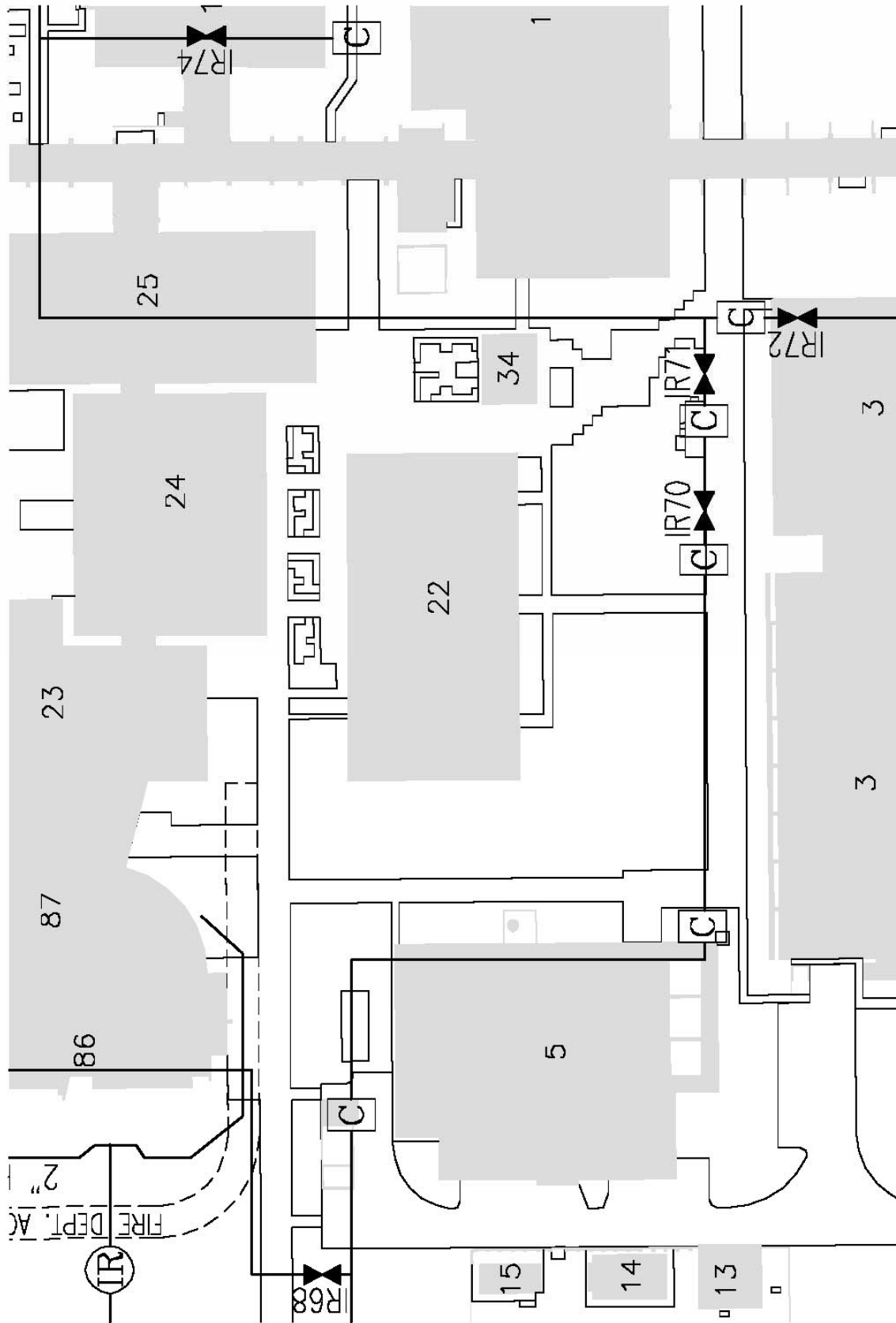
	Sheet Title: INFRASTRUCTURE - HIGH VOLTAGE EL. DISTR.	SCALE: 1" = 80'-0"		Project Name: BLDG. 22, COMPUTER CENTER EXP./REMODEL	DATE: 07/30/04	PAGE # 4
	SEE RISER ON SHEET E-5					





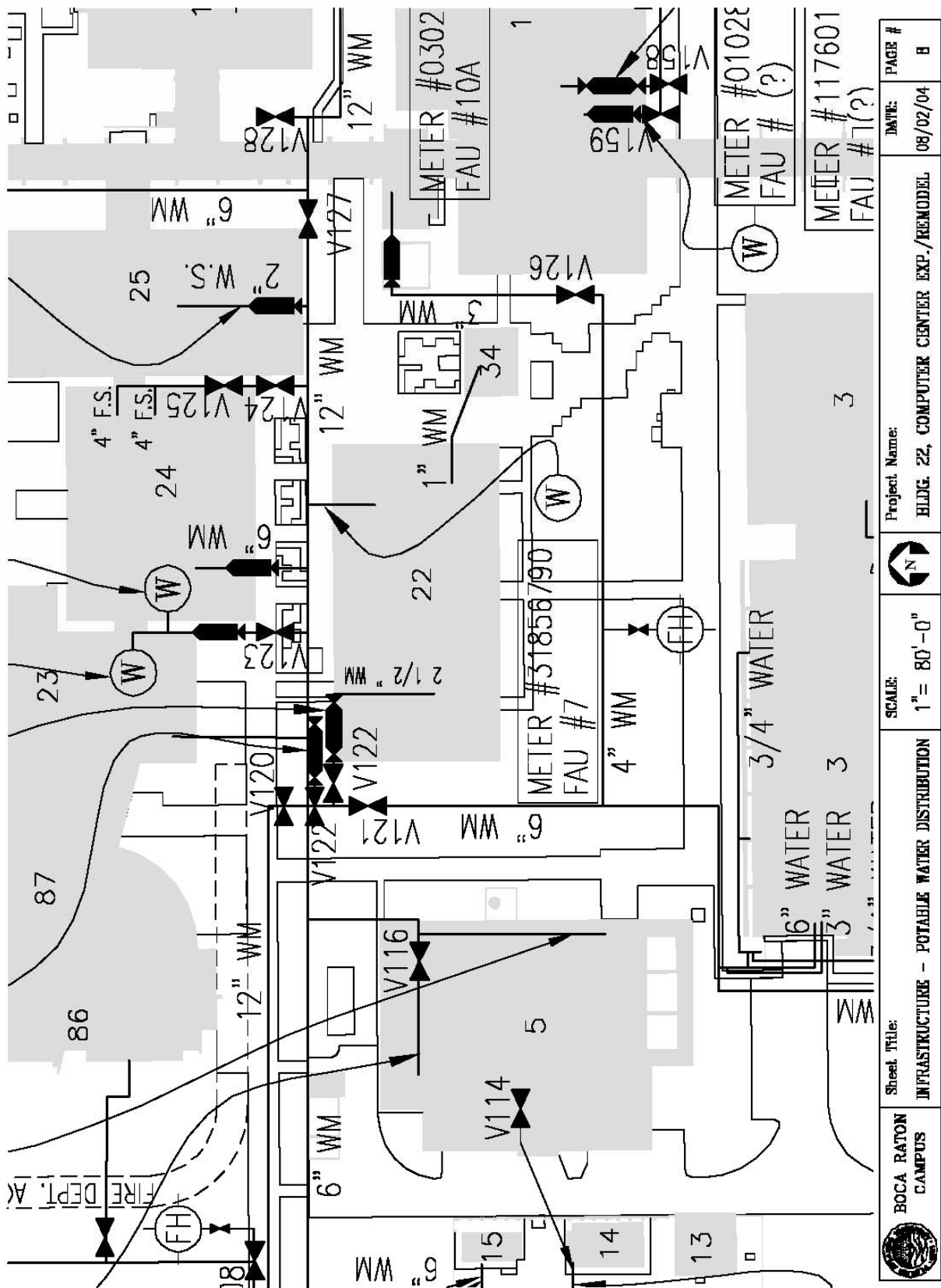
	Sheet Title: <b>INFRASTRUCTURE - NATURAL GAS DISTRIBUTION</b>	SCALE: <b>1" = 80'-0"</b>		Project Name: <b>BLDG. 22, COMPUTER CENTER EXP./REMODEL</b>	DATE: <b>07/28/04</b>	PAGE # <b>5</b>



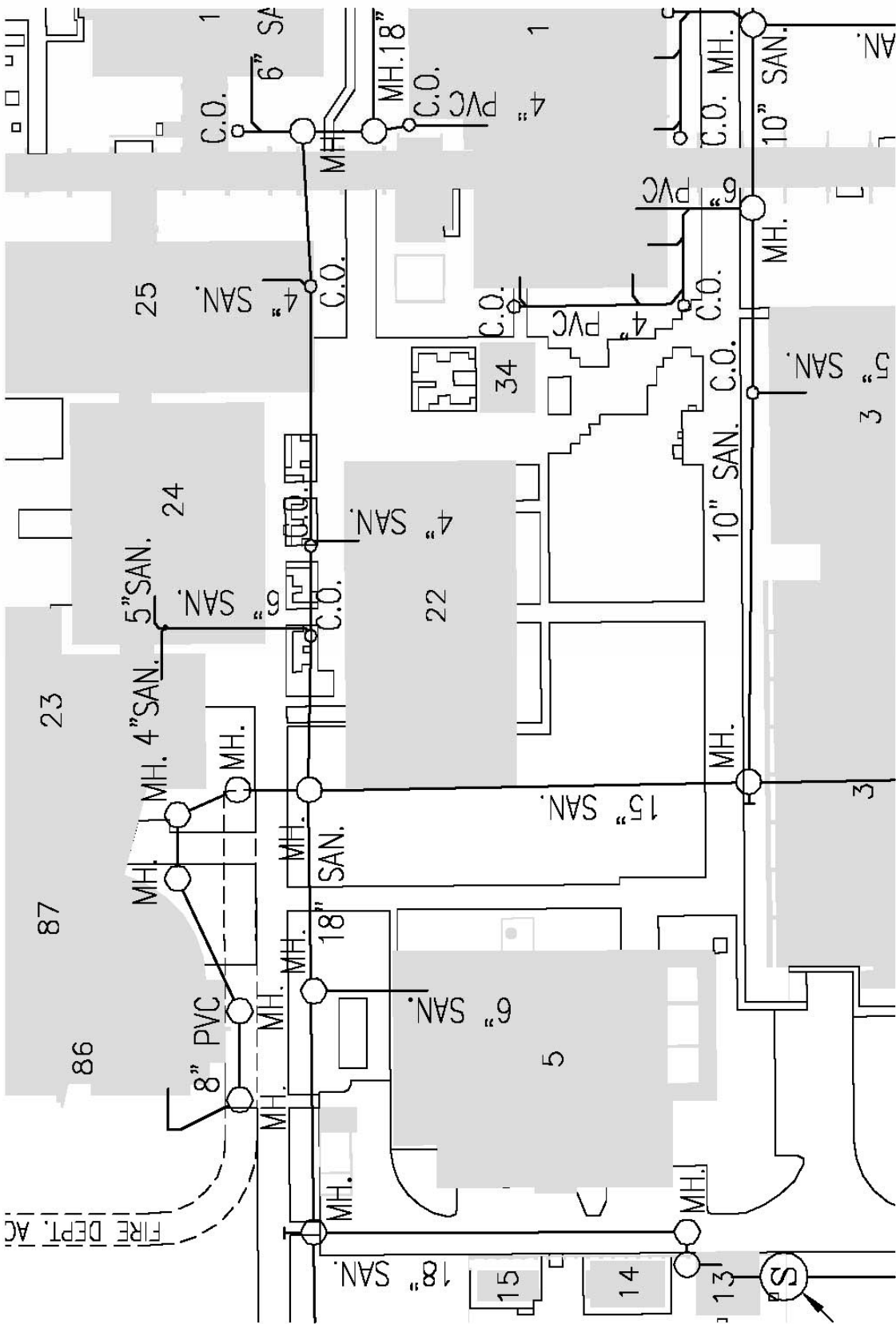
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	<b>Sheet Title:</b> INFRASTRUCTURE - HOT WATER DISTRIBUTION		<b>SCALE:</b> 1" = 80'-0"		<b>Project Name:</b> BLDG. 22, COMPUTER CENTER EXP./REMODEL		<b>DATE:</b> 07/30/04	<b>PAGE #</b> 6



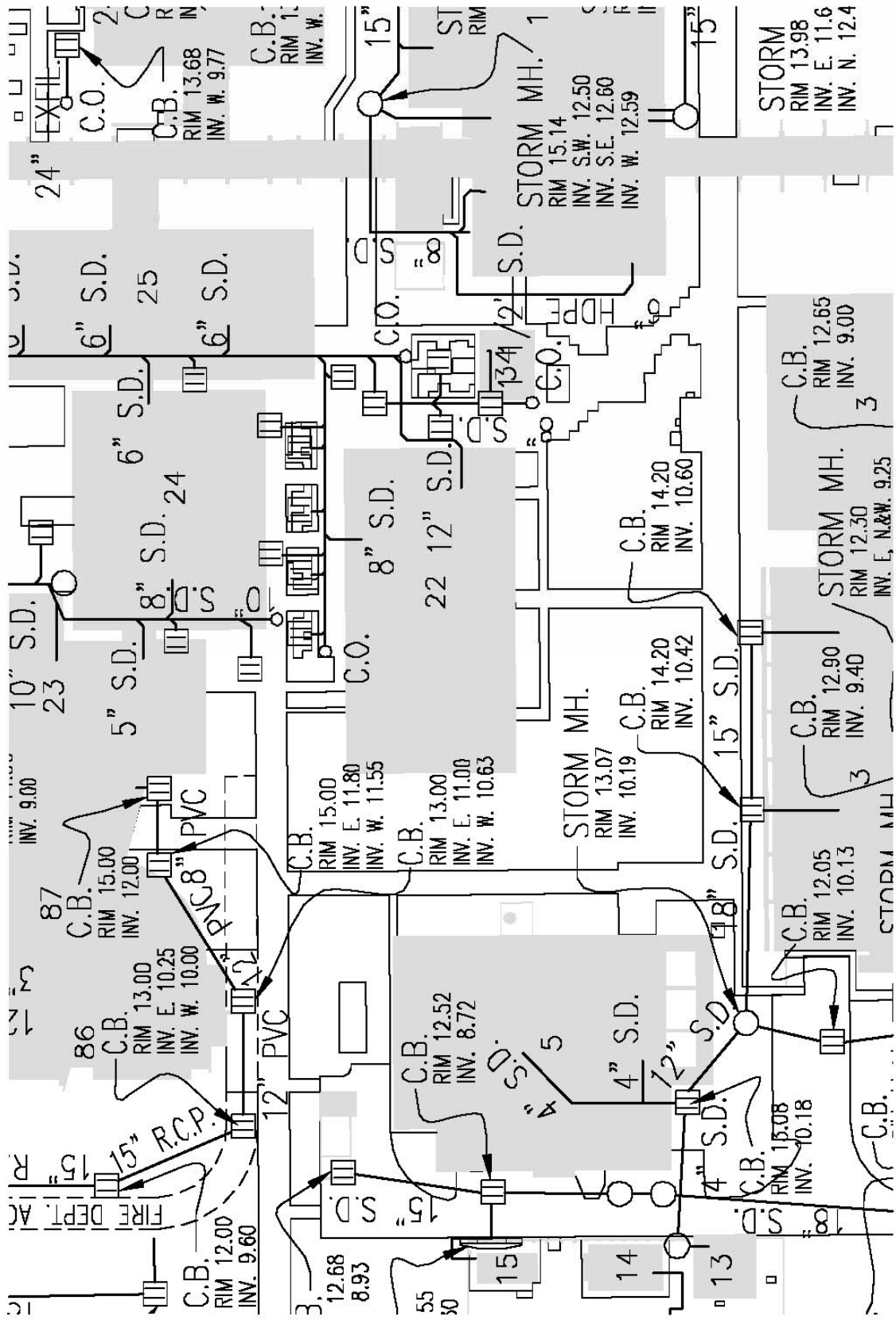
	Sheet Title: INFRASTRUCTURE - REUSE WATER IRRIGATION SYST.	SCALE: 1" = 80'-0"		Project Name: BLDG. 22, COMPUTER CENTER EXP./REMODEL	DATE: 08/02/04	PAGE # 7
	BOCA RATON CAMPUS					





	Sheet Title: <b>INFRASTRUCTURE - POTABLE WATER DISTRIBUTION</b>	SCALE: 1" = 80'-0"		Project Name: BLDG. 22, COMPUTER CENTER EXP./REMODEL	DATE: 08/02/04	PAGE # B
	METER #0302 FAU #10A					
METER #31856790 FAU #7						
METER #0102E FAU # (?)						
METER #117601 FAU #1(?)						

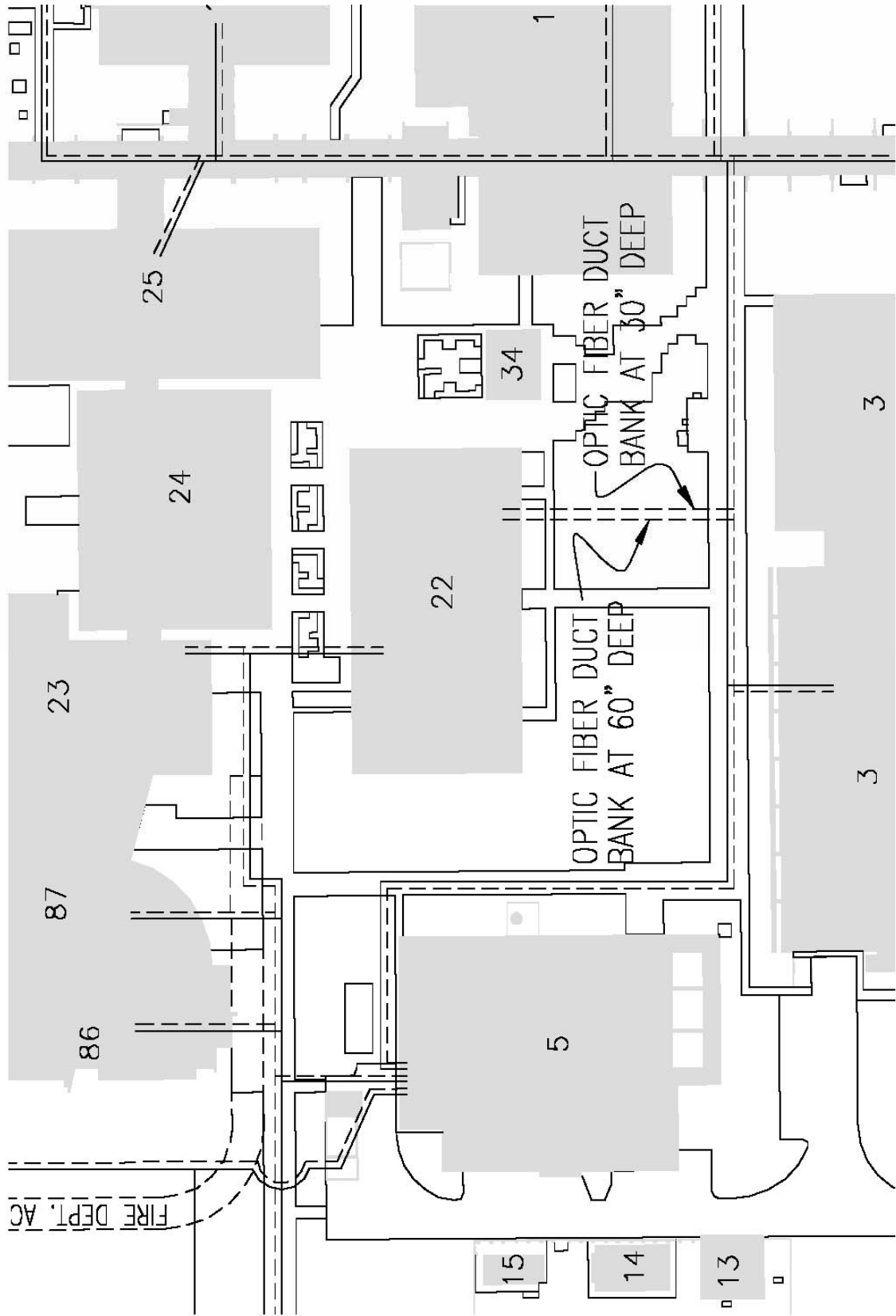




	Sheet Title: INFRASTRUCTURE - SANITARY SEWAGE	SCALE: 1" = 80'-0"		Project Name: BLDG. 22, COMPUTER CENTER EXP./REMODEL	DATE: 08/02/04	PAGE # 9
	BOCA RATON CAMPUS					



	Sheet Title: INFRASTRUCTURE - STORMWATER DRAINAGE SYST.	SCALE: 1" = 80'-0"		Project Name: BLDG. 22, COMPUTER CENTER EXP./REMODEL	DATE: 08/02/04	PAGE # 10
	STORM MH. RIM 12.05 INV. 10.13 C.B. RIM 12.90 INV. 9.40 STORM MH. RIM 12.30 INV. E. N&W. 9.25 C.B. RIM 12.65 INV. 9.00 STORM MH. RIM 13.07 INV. 10.19 C.B. RIM 14.20 INV. 10.42 STORM MH. RIM 14.20 INV. 10.60 C.B. RIM 14.20 INV. 10.60 STORM MH. RIM 15.14 INV. S.W. 12.50 INV. S.E. 12.60 INV. W. 12.59 STORM MH. RIM 13.98 INV. E. 11.6 INV. N. 12.4 C.B. RIM 15.00 INV. E. 11.80 INV. W. 11.55 C.B. RIM 13.00 INV. E. 11.00 INV. W. 10.63 C.B. RIM 12.52 INV. 8.72 C.B. RIM 15.08 INV. 10.18 C.B. RIM 12.00 INV. 9.60 C.B. RIM 13.00 INV. E. 10.25 INV. W. 10.00 C.B. RIM 15.00 INV. 12.00 C.B. RIM 13.68 INV. W. 9.77 C.B. RIM 11.00 INV. W.					





	Sheet Title: INFRASTRUCTURE - IRM TELECOM./DATA SYST.	SCALE: 1" = 80'-0"		Project Name: BLDG. 22, COMPUTER CENTER EXP./REMODEL	DATE: 08/02/04	PAGE # 11

## **XI. INFORMATION / COMMUNICATIONS RESOURCES REQUIREMENTS COMPUTER CENTER/BUILDING 22**

### **A. UNIVERSITY INFORMATION / COMMUNICATION STANDARD**

All voice and data systems shall comply with Florida Atlantic University's most current specifications for Information Resources Management Communication Infrastructure Specification effective on the date of the Architect/Engineer contract execution. The complete specification is located on the web at:

<http://wise.fau.edu/irm/ts/cblspecs.htm>.

The requirements of the University information/communications standards will be strictly enforced for the design and construction of the proposed facility.

### **B. UNIVERSITY INFORMATION RESOURCE MANAGER CERTIFICATION**

By signature (on the signature page of this facilities program) the University Information Resource Manager certifies that a review of the University information/communication standards has been completed; and that the facilities program is developed in conformance with the Florida Atlantic University Information/Communication Standards in accordance with the Section 282, F.S.

**A. CODES AND STANDARDS**

The following approved editions of Codes and Standards (and associated review & permitting process), and University standards, where applicable, shall be followed for the design and construction of the proposed facility: (Reference: FAU Professional Services Guide (PSG), section 3.13).

		<b>Description</b>
	2002	Florida DOT Manual of Uniform Minimum Standards for Design, Construction and Maintenance of Streets and Highways
		<b>Building Codes</b>
1.	2001	Florida Building Code, Building
2.	2001	Florida Building Code, Mechanical
3.	2001	Florida Building Code, Fuel Gas
4.	2001	Florida Building Code, Plumbing
5.	2001	Florida building Code, Test Protocols for High Velocity Hurricane zones
		<b>Section 4A-3.012 Standard of the National Fire Protection Association (Most commonly used Codes and Standards)</b>
<b>Chap.</b>	<b>Year</b>	<b>Title</b>
1	2000	Fire Prevention Code
10	1998	Standard for Portable Fire Extinguishers
13	1999	Standard for the Installation of Sprinkler Systems
13R	1999	Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and including four stories in Height
14	2000	Standard for the Installation of Standpipe and Hose systems, except 2-7 Shall be omitted
20	1999	Standard for the Installation of Centrifugal Fire Pumps
24	1995	Standard for the Installation of Private Fire Service Mains and Their Appurtenances
25	1998	Standard for the Inspection, Testing & Maintenance of Water Based Fire Protection Systems
30	1996	Flammable and Combustible Liquids Code
45	1996	Standard on Fire Protection for Laboratories Using Chemicals
70	1999	National Electrical Code
72	1999	National Fire Alarm Code
90A	1999	Standard for the installation of Air Conditioning and Ventilating Systems
96	1998	Standard for Ventilation Control and Fire Prevention of Commercial Cooking Operations
101	2000	Life Safety Code
<b>3.13.3</b>		<b>State Fire Marshal</b> Requirements for review shall comply with PSG, Exhibit 5; (all inspections, reviews and permitting for University projects shall be coordinated through the University EHS Office)
<b>3.13.4-5</b>		<b>Required Permits</b> All Building permits are to be issued by the Building Code Official at FAU Facilities Planning, prior to the start of construction.
3.13.5.2		Department of Business and Professional Regulation, Division of Hotel and restaurants, Bureau of Elevator Inspection for elevator inspections and permit
3.13.5.4		Department of Environmental Protection (DEP), area Branch (SUS is fee exempt)
3.13.5.5		South Florida Water Management District permit
		<b>SUS Standards</b>
		State University System Cost Containment Guidelines
		<b>Florida Atlantic University</b>
		Florida Atlantic University - University Architect's Division Policies and Procedures
		Florida Atlantic University Professional Services Guide - April 2003
		Florida Atlantic University Cost Containment Guidelines Supplement
		All special requirements as identified in the pre-design conference meeting(s) with the various University agencies (the A/E consultant(s) shall record in meeting minutes).
		<b>Miscellaneous Statutes</b>
		Ratio of facilities for men and women public restrooms of Section 553.14 of Florida Statutes

**Note: All reference to codes shall mean the latest editions adopted through legislation for use in state owned/leased buildings as described in the Florida Statues.**

CONSTRUCTION MANAGEMENT PROJECT DELIVERY METHOD The University preference is the CM process with a GMP submittal at the conclusion of design phase adequate for obtaining a GMP.

The revised schedule for this project, amended 4/1/05 is as follows:

<b>GOALS AND MILESTONES</b>	<b>DURATION</b>	<b>START DATE</b>	<b>END DATE</b>	
<b>PROGRAM APPROVAL</b>	<b>0 weeks</b>	<b>21-Sep-2004</b>	<b>21-Sep-2004</b>	<b>0.0 Years</b>
Facilities Program Development	0 weeks	21-Sep-2004	21-Sep-2004	
University Facilities Program Approval	0 weeks	21-Sep-2004	21-Sep-2004	
<b>A/E SELECTION PROCESS</b>	<b>12 weeks</b>	<b>05-Jan-2005</b>	<b>30-Mar-2005</b>	<b>0.2 Years</b>
Advertise for A/E in FAW	4 weeks	05-Jan-2005	02-Feb-2005	
A/E Short-list	2 weeks	02-Feb-2005	16-Feb-2005	
A/E Interviews	3 weeks	16-Feb-2005	09-Mar-2005	
A/E Selection	1 weeks	09-Mar-2005	16-Mar-2005	
Contract Negotiations with A/E	2 weeks	16-Mar-2005	30-Mar-2005	
<b>C/M SELECTION PROCESS</b>	<b>11 weeks</b>	<b>17-Feb-2005</b>	<b>05-May-2005</b>	<b>0.2 Years</b>
Advertise for C/M in FAW	4 weeks	17-Feb-2005	17-Mar-2005	
C/M Short-list	2 weeks	17-Mar-2005	31-Mar-2005	
C/M Interviews	2 weeks	31-Mar-2005	14-Apr-2005	
C/M Selection	1 weeks	14-Apr-2005	21-Apr-2005	
Contract negotiations with C/M	2 weeks	21-Apr-2005	05-May-2005	
<b>DESIGN PHASE</b>	<b>47 weeks</b>	<b>30-Mar-2005</b>	<b>22-Feb-2006</b>	<b>0.9 Years</b>
Conceptual & Schematic Design	9 weeks	30-Mar-2005	01-Jun-2005	
University review and approval	2 weeks	01-Jun-2005	15-Jun-2005	
Design Development and Budget verification	6 weeks	15-Jun-2005	27-Jul-2005	
University review and approval	3 weeks	27-Jul-2005	17-Aug-2005	
100% Construction Documents and Budget update	14 weeks	17-Aug-2005	23-Nov-2005	
University review, approval & AE revisions	6 weeks	23-Nov-2005	04-Jan-2006	
Submittal of GMP & Code Review & SFM	4 weeks	04-Jan-2006	01-Feb-2006	
GMP Review & Negotiations	3 weeks	01-Feb-2006	22-Feb-2006	
<b>CONSTRUCTION PHASE</b>	<b>72 weeks</b>	<b>22-Feb-2006</b>	<b>11-Jul-2007</b>	<b>1.4 Years</b>
Notice to Proceed	1 weeks	22-Feb-2006	01-Mar-2006	
Construction	44 weeks	01-Mar-2006	03-Jan-2007	
Substantial Completion Inspection	1 weeks	03-Jan-2007	10-Jan-2007	
Renovation of Existing Building 22	20 weeks	10-Jan-2007	30-May-2007	
Substantial Completion Inspection	1 weeks	30-May-2007	06-Jun-2007	
Final Completion Inspection	4 weeks	06-Jun-2007	04-Jul-2007	
Owner FF&E Move In	1 weeks	04-Jul-2007	11-Jul-2007	
<b>Total</b>	<b>146 weeks</b>	<b>21-Sep-2004</b>	<b>11-Jul-2007</b>	<b>2.8 Years</b>

**XIV. PROGRAM FUNDS****COMPUTER CENTER/BUILDING 22**

## A. ESTIMATED FUNDING

<b>PLANNING FUNDING</b>	
2004-2005 PECO	\$759,800.00
<b>CONSTRUCTION FUNDING</b>	
2005-2006 Public Education Capital Outlay (PECO)	\$ 7,864,300.00
<b>EQUIPMENT FUNDING</b>	
2006-2007 PECO	\$ 1,110,100.00
<b>TOTAL PROJECT FUND</b>	<b>\$ 9,734,200.00</b>

## B. ESTIMATED BUDGET (Reference: SUS CM-D-38.00-09/97, Attachment 1-B)

<b>1. Construction Costs</b>	
a. Construction Costs	\$6,655,200.00
b. Additional/Extraordinary Construction Costs	\$972,824.63
c. Telecommunications Costs	\$233,500.00
<b>Sub Total Construction Costs</b>	<b>\$7,861,524.63</b>
<b>2. Other Project Costs</b>	
a. Land/existing facility acquisition	\$0.00
b. Professional Fees	\$583,775.37
c. Fire Marshal Fees	\$19,100.00
d. Inspection Services	\$90,500.00
e. Insurance Consultant	\$4,900.00
f. Surveys and Tests	\$29,000.00
g. Permit/Impact/Environmental Fees	\$3,000.00
h. Art Work	\$23,700.00
i. Movable Furnishings & Equipment	\$546,600.00
j. Project Contingency & Campus Infrastructure	\$572,100.00
<b>Sub Total Other Project Costs</b>	<b>\$1,872,675.37</b>
<b>TOTAL PROJECT BUDGET (see Section X of Program)</b>	<b>\$9,734,200.00</b>

**XV. PROJECT BUDGET SUMMARY****COMPUTER CENTER/BUILDING 22**

## PROJECT SPACE AND BUDGET SUMMARY (Reference: SUS CM-N-04.00-09/97, Attachment 3)

## SPACE SUMMATION (from Section IX of Facilities Program)

Program Space Type (New Construction)	NASF	Factor	GSF	\$ / GSF	\$
Teaching Laboratories	495	1.5	743	145.00	\$107,662.50
Offices	12,520	1.5	18,780	135.72	\$2,548,821.60
Library/Computer Study	2,120	1.4	2,968	133.40	\$395,931.20
Instructional Media	3,730	1.4	5,222	164.92	\$861,212.24
FAU Boca Raton Recent Experience Factor Avg. New Construction Cost		0.21		<b>170.88</b>	\$821,856.00
<b>Total New Construction Cost</b>	<b>18,865</b>	<b>1.47</b>	<b>27,713</b>		<b>\$4,735,500.00</b>
Program Space Type (Renovation)	NASF	Factor	Exist. GSF	\$ / GSF	\$
Renovated Space	11,105	1.62	18,000	106.65	\$1,919,700.00
Other Space	-	1.4	-	-	\$0.00
<b>Total Renovated Construction Cost</b>	<b>11,105</b>	<b>1.62</b>	<b>18,000</b>	<b>106.65</b>	<b>\$1,919,700.00</b>
<b>TOTAL PROGRAM BUILDING AREA</b>	<b>29,970</b>		<b>45,713</b>		

## 1 CONSTRUCTION COSTS (Reference: SUS CM-D-38.00-09/97, Attachment 1-B)

a. Building Construction Cost	Units	Avg. GSF Cost	Unit Cost	\$
New Construction Cost	27,713 GSF		\$170.88	\$4,735,500.00
Renovation Cost*	18,000 GSF		\$106.65	\$1,919,700.00
<b>*Renovation costs of vacated space in Bldg 4 or 5 is not included</b>				
<b>Total BUILDING CONSTRUCTION Costs</b>	<b>45,713 GSF</b>	<b>145.59</b>	Round to 100	<b>\$6,655,200.00</b>
b. Additional/Extraordinary Construction Cost	Units		Unit Cost	\$
Site Preparation/Demolition	1 Allowance		\$50,000.00	\$40,000.00
Asbestos/Lead Abatement (Demo & Renovation)	1 Allowance		\$50,000.00	\$50,000.00
Irrigation	1 Allowance		\$17,000.00	\$17,000.00
Picnic Area / Golf Cart Storage 1100 sq. ft.	1 Allowance		\$50,000.00	\$50,000.00
Electrical Services	1 Allowance		\$110,000.00	\$100,000.00
Water Distribution System	1 Allowance		\$50,000.00	\$50,000.00
Sanitary Sewer System	1 Allowance		\$40,000.00	\$40,000.00
Storm Water System	1 Allowance		\$35,000.00	\$35,000.00
Chilled Water System	1 Allowance		\$160,000.00	\$160,000.00
Building security system (Card Access)	1 Allowance		\$50,000.00	\$50,000.00
Building Security Cameras	1 Allowance		\$50,000.00	\$50,000.00
<b>Sub-Total ADDITIONAL CONSTRUCTION Costs</b>			Round to 100	<b>\$642,000.00</b>
<b>Sub-Total INFLATION Adjustment</b>				<b>\$330,824.63</b>
<b>Total ADDITIONAL CONSTRUCTION COSTS (Incl. Inflation)</b>				<b>\$972,824.63</b>
<b>TOTAL CONSTRUCTION COSTS (GMP)</b>	<b>45,713</b>	<b>166.87</b>	Round to 100	<b>\$7,628,024.63</b>
Telecommunications - Internal Wiring	1 Allowance		\$199,000.00	\$199,000.00
Telecommunications / External Infrastructure	1 Allowance		\$34,500.00	\$34,500.00
<b>Sub-Total Telecommunication Cost</b>	<b>45,713</b>	<b>5.11</b>	Round to 100	<b>\$233,500.00</b>
<b>TOTAL CONSTRUCTION COST (A/E Curve)</b>		<b>171.98</b>		<b>\$7,861,524.63</b>

**2 OTHER PROJECT COSTS** Add or delete following items as required.

a.	<b>Land/Existing Facility Acquisition</b>	Purchase or Budget	\$0.00	Round to 100	<b>\$0.00</b>
b.	<b>Professional Fees</b>				<b>\$583,775.37</b>
c.	<b>State Fire Marshal Review and Inspection</b>	0.25 %		Round to 100	<b>\$19,100.00</b>
d.	<b>Inspection Services</b>			Round to 100	<b>\$90,500.00</b>
e.	<b>Risk Management / Insurance Consultant</b>	0.06 %		Round to 100	<b>\$4,900.00</b>
f.	<b>Surveys &amp; Tests</b>			Round to 100	<b>\$29,000.00</b>
g.	<b>Permits/Impact Fees</b>			Round to 100	<b>\$3,000.00</b>
h.	<b>Art in State Building</b> (Section 255.043, F.S.)	0.5 %		Round to 100	<b>\$23,700.00</b>
	Furniture	3 %			\$228,800.00
	Equipment	3 %			\$228,800.00
	IRM Equipment (Voice, Data, Video)	1 Allowance	\$80,000.00		\$80,000.00
	IRM Drops	60 # of Drops	\$150.00		\$9,000.00
i.	<b>Moveable Furniture &amp; Equipment (incl. IRM)</b>			Round to 100	<b>\$546,600.00</b>
j.	<b>Project Contingency</b>	6 %		Round to 100	<b>\$457,700.00</b>
j.	<b>Campus Infrastructure</b>	1.5 %		Round to 100	<b>\$114,400.00</b>
<b>TOTAL OTHER PROJECT COSTS</b>			45,713	40.97	<b>\$1,872,675.37</b>
<b>TOTAL PROJECT COST ESTIMATE</b>			45,713	212.94	<b>\$9,734,200.00</b>