BULDING ACCESS CONTROL

STUDY
FOR
RESIDENCE HALL BUILDINGS
AND
ADJOINING DINING HALLS

MAY 2004

GETTING

OSWEGO
STATE UNIVERSITY OF NEW YORK

FACILITIES DESIGN AND CONSTRUCTION

BUILDING ACCESS CONTROL

STUDY
FOR
RESIDENCE HALL BUILDINGS
AND
ADJOINING DINING HALLS

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OSWEGO
STATE UNIVERSITY OF NEW YORK

Technical Analysis of Door and Door Hardware Requirements
Access Control Feasibility
April 30, 2004

FDC
Facilities Design & Construction

PREPARED BY
MAC SYSTEMS

BUILDING ACCESS CONTROL

STUDY
FOR
RESIDENCE HALL BUILDINGS
AND
ADJOINING DINING HALLS

BUILDINGS SURVEYED

- Lonis Hall
- Mackin Dining Hall
- Moreland Hall
- Funnelle Hall
- Cooper Dining Hall / Cooper Fitness Center
- Hart hall
- Seneca Hall
- Pathfinder Dining Hall
- Cayuga Hall
- Onondaga Hall
- Littlepage Dining Hall / Glimmerglass Fitness Center
- Oneida Hall
- Scales Hall
- Waterbury Hall
- ~~Riggs Hall~~ (under construction)
- ~~Lakeside Dining Hall~~(under construction)
- Johnson Hall

Technical Analysis of Door and Door Hardware Requirements
Access Control Feasibility

SCOPE

MAC Systems conducted a survey of the perimeter doors of fifteen buildings on the State University of New York campus on April 21, 2004 and April 22, 2004. The buildings included twelve residence halls and three adjoining dining halls. A goal of the survey was to ascertain and define door hardware requirements and operational desires, in order to facilitate planning for access control implementation. Another survey goal was to define what access control components would be required for perimeter access control on these residence halls, as well as defining wiring requirements, wire paths, power backup requirements and options, availability of network space, and availability of power circuits in the network rooms. In order to provide a coordinated evaluation, representatives from facilities design and construction (FDC), facilities electrical dept, and facilities building trades participated, as well as two persons from MAC Systems acting in a consulting role. All access system equipment to be specified must have 100% compatibility and 100% integration with existing systems on campus, which means same access system brand and model as used elsewhere on campus. Likewise, the brands of hardware are those that the facilities department has confidence in. Accurate cost projections were developed to facilitate budget planning. An additional goal of this effort included defining the costs to run wiring such that any perimeter entrance (with the exception of exterior apartments) could have Closed Circuit Television (CCTV) equipment installed in either temporary or permanent applications by the process of connecting cameras and recording devices to the wiring. This may allow the infrastructure for CCTV to be implemented at a low cost by accompanying the access control wiring.

DEFINITIONS OF DOOR TYPE, ACCORDING TO THEIR OPERATION

Each perimeter door of these buildings was designated to receive hardware and access control components in order to realize one of the following operational goals.

1. ACCESS CONTROL OPERATED: EXTERIOR ACCESS BY CARD
With this type of door a person can present their college card to gain building access when doors are locked, if authorized to do so. These doors operate in the same ways that one traditionally associates with access control doors. Additionally, certain of these doors (primarily those associated with main entrances) are for the process of this study to be held unlocked but closed during daylight hours. During nighttime hours these doors would be locked and accessible only by card. Other doors, such as those located in the high traffic tunnels between the dorms and dining halls, may be manually held open by their fire release magnets during the day (the current practice), and would be shut at night and passage would require presentation of a valid card. It was stated by FDC that automated (non-manual) locking capability by command of the access system is required. In practice this means that the access system would be able to toggle the hardware between a day mode (auto unlocked) and a night mode (auto locked) without requiring a person to visit the doors to manually turn a dogging

cylinder or locking lever. This has a profound effect on hardware, requiring a migration from non-electrified to electrified hardware to accommodate this operational requirement.
Various types of doors require various electrified hardware to operate well, considering operational aspects such as reliability and service life, particularly as many of the affected doors have high usage. The hardware specified includes electrified panic hardware, electric strikes, and magnets. No single type of electrified hardware was suitable for all doors. Typical applications in this category include primary main doors, and back doors designated for authorized building entry from walkways and parking areas.

2. ACCESS CONTROL OPERATED: NO EXTERIOR ACCESS BY CARD
These type of doors are monitored by the access system against being propped open, or unauthorized opening, and they have both a local horn and signal a remote alert or alarm condition to the access system head end. The hardware is migrated to electrified control of hardware, so that the day mode (auto unlock by system) and night mode (auto lock by system) is available. These doors also allow egress without activating an alarm condition, through the use of a PIR or exit bar switch. However, there is no exterior card reader. Typical applications include secondary main doors (those not designated to have a card reader controlling them).

3. FULL ALARM ONLY
These type of doors do not offer card access from the outside, and do not need control of the locking hardware (no electrified hardware). These doors are monitored by the access system against being propped open, or being forced open. Egress is allowed without causing alarm by use of a PIR. Propping or a forced door condition triggers a local horn and or alarm condition to the access system head end. Typical applications include secondary exits. This type is meant for doors designated for egress only.

4. DOOR CONTACT ONLY
This allows monitoring of the door by the access system. Any opening is noted and/or causes a local alarm and/or alarm condition to the access system head end. A typical application is a true emergency exit, which nobody is authorized to use except in an emergency, and where a "alarm will sound " sign would be expected.

OPERATIONAL ASSUMPTIONS

These are the operational assumptions that we understand are set forth by SUNY Oswego FDC. Operational assumptions directly affect cost , primarily by requiring hardware changes, so alterations in operational assumptions may realize cost savings or cost increases from the costs used in this report.

ASSUMPTION ONE : SYSTEM CONTROLLED DAY/NIGHT OR AUTO LOCK/AUTO UNLOCK CAPABILITY ON ALL ACCESS CONTROL OPERATED DOORS (BUT NOT ON FULL ALARM OR DOOR CONTACT DOORS)

All doors where the access control system controls locking of the door (card entry or not) will have electrified hardware control (electrified hardware, strike or magnetic lock) such that the door may transition between a "locked door" to an "unlocked door", and vice versa, without a person visiting the door. "

ASSUMPTION TWO: POWER FAILURE OPERATION

All access control doors where exterior card access is available shall operate for a minimum of 4 hours by battery back up in the locked (entry only by card) mode, in the absence of main or generator power. Requirements for desired hours of battery backed operation in the auto unlock mode must be defined by the school, and when done so an appropriate quantity of batteries can be determined to meet the power usage for the desired time. Likewise, if it is desired to automatically transition from an automatic open mode to a locked mode anytime an AC power failure is experienced, this operational desire must be defined by the school. MAC Systems will investigate and report back what might be required (software and/or hardware) to have this feature, and whether there would be a cost: in any case it is not a feature offered by the system at the moment.

All access control doors where exterior access by card is not available shall not be battery backed up. In the case that they are not on a generator circuit, they will revert to being locked when power fails. In general, this means that during an AC failure all secondary main entrance doors will look even if they were in a free entry mode when the power failure occurred. The main entry doors that are controlled by card readers will remain held open if in the hold open mode until battery back up is exhausted (if not on a generator circuit), or if in the locked mode (entry by card swipe only) then they will operate normally by card swipe for a minimum of 4 hours.

ASSUMPTION THREE: POWER SOURCES

Power for the Access System Power Supply will be available from the electric outlet in the individual building's room which houses the campus network equipment. These rooms may include circuits that have generator back up, and ones that do not. This outlet is located at the network equipment Building Distribution Frame (BDF) rack, and has available space as observed during the survey.

Power for the electrified hardware power supply will be available from an electrical panel breaker in the BDF room, when available, or from the existing rack outlet. See list of available panels provided by the campus.

ASSUMPTION FOUR: MAIN INNER AND OUTER ENTRANCE DOORS CONTROLLED

On main entrances where there are two banks of doors with a foyer between, both sets of doors (inner and outer doors) shall be controlled by the access system (as defined in assumption one) and only one door set consisting of a right hand leaf and left hand leaf of one inner and one outer door shall have card entry .

Typical operation: when in the auto locked mode, all exterior doors will be locked. Upon presentation of a valid authorized card, one exterior door set consisting of a right hand leaf and a left hand leaf will be unlocked, permitting entry to the foyer. All inner foyer doors shall be locked. Upon presentation of a valid authorized card, one interior door set consisting of a right hand leaf and a left hand leaf shall be unlocked, allowing entry to the building.

ASSUMPTION FIVE : CCTV WIRING OPTION

Costing provide to add CCTV wiring assumes the work is being done at the same time as access control installation, as a cost savings over two separate efforts.

ASSUMPTION SIX

Costing is based on the contractor being allowed to work Monday through Friday between 7AM and 5 PM, and on the full scope being done as one phase during a continuous time frame.

THE IMPORTANCE OF QUALITY HARDWARE

It is very important in undertaking an access control implementation that the electrified hardware component be of a quality and be matched to the application such that the original architectural hardware longevity, cycle life, and freedom from trouble be maintained as much as possible. It must be considered that access control doors get more and not less comment and scrutiny than mechanical doors when they do not latch, close, lock, or unlock. Even though it may be the same door a year later, an access door that does not secure the entrance may be more of a potential liability than the same door with mechanical hardware was: the yardstick of expectation, performance, and the perceived importance of the door has likely been raised.

Most facility departments have probably learned that the cheapest exit device that will fit and the cheapest hinges that will fit are unacceptable. The cost and aggravation to deal with the fallen apart exit device and the sagging, dragging, non-latching door always far exceeds any savings of sub standard hardware.

The cheapest access control hardware solutions are likewise probably unacceptable. After all, the high use and pressure on hardware performance of main entrance doors don't diminish just because a card reader is hung on them. For example, in theory the cheapest method of providing an electrical control for vertical rod exit devices might be an electrical strike for vertical rod exit devices. But we know that they have a very short expected life span in any college application , are fragile and prone to breakage, promote warped and torque damaged doors because they only secure the door by one top rod, are prone to damaging the exit device which was designed to secure the door with top and bottom rods and not just the top rods, stay adjusted for a short time, and are hard to install and adjust. We might turn down a project specified this way, because the project cannot reflect well on our professionalism. In our opinion, and in that of many college security consultants and architects, it is better to compromise on the project scope rather than compromise on the operational integrity of the hardware.

POTENTIAL INITIAL SYSTEM COST SAVINGS

In a retrofit project, where exerting system automated control over doors means replacing non-electrified hardware with electrified hardware the access system can control, this hardware replacement is a significant part of the access control implementation costs.

In this study, there are two major areas of cost where "convenience" (and associated operational parameters) entail a significant cost burden.

1. AUTOMATED LOCKING & UNLOCKING

There are a significant number of doors (primarily main entrance doors) that currently appear to transition from locked to unlocked modes manually by somebody going to the door and mechanically operating a dogging cylinder, and most of these are designated to get automated control and monitoring (but not entry by card) at a significant cost over retaining manual control. Automated control is the correct and ideal operational goal, because it eliminates the human factor in whether doors are secure, or keys are lost, and replaces it with system control. However, retained manual control at some doors is a potential option for cost savings.

2. INNER DOOR AND OUTER DOOR CONTROL OF MAIN ENTRANCES

As specified, both the inner and outer sets of doors at main entrances receive access system control and associated electrified hardware. In many cases that entails 12 or more sets of electrified hardware. From the standpoint of student personal security and convenience this is a correct and ideal operational goal. It means that a student with a valid college card could visit a student in a dorm that was not their residence at night, enter the dorm foyer with their card, but not be able to enter through the inner door, and be able to telephone the resident to let them in from a heated and locked foyer.

However, in order to meet the less ambitious goal of a building perimeter secured by access control, only one set of doors (inner foyer or outer perimeter doors) need be secured, which is an option to reduce the transitioning to electrified hardware significantly, with associated reduced costs.

SUMMARY OF COSTS FOR BUILDING ACCESS CONTROL

30-Apr-04

RESIDENCE HALL PERIMETER CONTROL		
BUILDING	perimeter access control cost	front desk monitor panel
LONIS	$ 13,922	$ 1,750
MACKIN	$ 25,338	$ 1,750
MORELAND	$ 12,911	$ 1,750
FUNNELLE	$ 38,614	$ 3,000
COOPER	$ 31,982	n/a
HART	$ 21,111	existing
SENECA	$ 47,593	$ 1,750
PATHFINDER	$ 24,557	n/a
CAYUGA	$ 59,418	$ 1,750
ONONDAGA	$ 52,434	$ 1,750
LITTLEPAGE	$ 13,600	n/a
ONEIDA	$ 65,493	$ 1,750
SCALES	$ 28,767	$ 1,750
WATERBURY	$ 34,621	$ 1,750
JOHNSON	$ 18,057	existing
	$ 488,418.00	$ 18,750.00 (furnish & install)

$ 507,168 total furnish & install cost

$	25,358	contingency (@ 5%)
$	5,325	spare parts (@ 1%)
$	3,500	as-built drawings
$	70,375.72	design and contract services

(at 13 % of above costs)

$ 611,727 TOTAL PROJECT COST RESIDENCE HALL PERIMETER

Supplemental Pricing:

The cost for conversion of the existing stand-alone card readers, on floors 2-9 of Hart Hall, to be connected to campus system is included as a separate spread sheet in this report. The cost for this work is estimated to be $ 60,950.

Oswego State

Residence Hall

Building Access Control Study

NOTES:

1. See attached drawings to identify locations of doors listed in building spreadsheet.
2. Cost for locations with CCTV include18-2 and RG59 cable with ends installed. CCTV only included for locations with card access. Add $210 each for additional locations.
3. Access control panel and CCTV cables will be run to the room that currently houses the campus network rack. Wall space for mounting equipment and coiling CCTV cables appears to be available.
4. Electric hardware fails locked and magnetic locks fail unlocked upon loss of all power.
5. Magnetic lock locations include cost for required connection to fire alarm system and electrical over ride.
6. One front desk monitor panel can accommodate up to seven door locations each. Two panels may be used. Cost for one panel is $1750 and cost for two panels is $3000.
7. Cost includes all required patching and painting.
8. Cost includes all material and labor for a complete installation. Labor provisions for prevailing wages.
9. Cost includes all system programming, staff training and operation & maintenance manuals.
10. Construction duration estimated to be 6-8 months, after award of contract.
11. The access control at Funnelle Hall, from the basement of Cooper Dining Hall needs further investigation by the campus. There may be fire egress routes dictated by code that cannot be interrupted by installing a card reader control point in this area. This budget estimate is based on using existing doors at this location. Additional cost may be required based upon the final code interpretation.
12. See attached listing of the various hardware groups to identify what is included in each group.

KEY:

CA =	card access group
FA =	fully alarmed group
CO =	contact only group
PROX =	proximity card reader
PIN/PROX =	proximity card reader with PIN keypad

LONIS HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $	Notes:
Lonis	BDF		BDF PACKAGE			$ 2,900.00	
	1	CA	STANDARD STRIKE PAC	PIN PROX	YES	$ 2,518.00	exit device needs maint. by campus
	2	CA	STANDARD STRIKE PAC	PIN PROX	YES	$ 2,518.00	exit device needs maint. by campus
	3	CA	STANDARD STRIKE PAC	PIN PROX	YES	$ 2,518.00	
	4	CA	STANDARD STRIKE PAC	PIN PROX	YES	$ 2,518.00	exit device needs maint. by campus
			PROJECT MANAGEMENT			$ 950.00	
						$ 13,922.00	

MACKIN HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $	Notes:
Mackin	BDF		BDF PACKAGE			$ 2,900.00	
	1	CA	STANDARD STRIKE PAC	PIN PROX	YES	$ 2,518.00	
	2	CA	MAG-LOCK PACKAGE	PIN PROX	YES	$ 3,143.00	
	3	-	N/A	N/A	N/A		
	4	CA	MAG-LOCK PACKAGE	PIN PROX	YES	$ 3,143.00	
	5	CA	MAG-LOCK PACKAGE	PIN PROX	NO	$ 2,933.00	
	6	-	N/A	N/A	N/A		
	7	CA	MAG-LOCK PACKAGE	PIN PROX	NO	$ 2,933.00	
	8	DC	DOOR CONTACT PACKAGE	N/A	NO	$ 494.00	DOOR CONTACT TO NEAREST DCD
	9	DC	DOOR CONTACT PACKAGE	N/A	NO	$ 494.00	exit device needs maint. by campus
	10	CA	STANDARD STRIKE PAC	PROX	YES	$ 2,518.00	NEED NEW MORTISE LOCK
	11	DC	DOOR CONTACT PACKAGE	N/A	NO	$ 494.00	
	12	CA	STANDARD STRIKE PAC	PROX	YES	$ 2,518.00	getting new door/frame by campus2004
			PROJECT MANAGEMENT			$ 1,250.00	
						$ 25,338.00	

MORELAND HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $	Notes:
Moreland	**BDF**		BDF PACKAGE			$ 2,900.00	
	1	CA	STANDARD STRIKE PAC	PIN PROX	YES	$ 2,518.00	
	2	FA	FULLY ALARMED - EXIT ONLY	N /A	NO	$ 1,507.00	
	3	CA	STANDARD STRIKE PAC	PIN PROX	YES	$ 2,518.00	EXIT DEVICE TO BE REPLACED By Campus
	4	CA	STANDARD STRIKE PAC	PIN PROX	YES	$ 2,518.00	EXIT DEVICE TO BE REPLACED By campus
			PROJECT MANAGEMENT			$ 950.00	
						$ 12,911.00	

FUNNELLE HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $	Notes:
Funnelle	**BDF**		BDF PACKAGE			$ 2,900.00	
	1	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00	
	2	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00	
	3	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00	
	4	CA	SURFACE VERTICAL ROD 1	PIN PROX	YES	$ 7,740.00	
	5	CA	SURFACE VERTICAL ROD 2	PIN PROX	NO	$ 6,567.00	
	6	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00	
	7	CA	SURFACE VERYICAL ROD 1	PIN PROX	YES	$ 7,740.00	TIE INTO EXISTING ADA OPENERS.
	8	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00	
	9	CA	MAG-LOCK DOOR	PIN PROX	YES	$ 3,375.00	exit device needs maint. by campus
	10	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00	
	11	-	need campus code determination	N/A	N/A		Wrong door swing - see Cooper # 4
			PROJECT MANAGEMENT			$ 1,250.00	
						$ 38,614.00	

COOPER DINING HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $	Notes:
Cooper	BDF		BDF PACKAGE			$ 2,900.00	
	1	CA	SURFACE VERTICAL ROD 1	PIN PROX	YES	$ 7,740.00	TIE INTO EXISTING ADA OPENERS.
	2	CA	SURFACE VERTICAL ROD 2	PIN PROX	YES	$ 6,567.00	TIE INTO EXISTING ADA OPENERS.
	3	CA	SURFACE VERTICAL ROD 1	N/A	NO	$ 7,740.00	
	4	CA	TUNNEL DBL DR PACKAGE	PIN PROX	YES	$ 4,841.00	Problem! opposing door swing - exit issue
	5 AND 6	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 750.00	5 AND 6 SHARING DCD AND HORN
	7	DC	DOOR CONTACT PACKAGE	N/A	NO	$ 494.00	ELECTIC ROOM 2 CONTACTS.
			PROJECT MANAGEMENT			$ 950.00	
						$ 31,982.00	

HART HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $	Notes:
Hart			New Millenium supply	N/A	N/A	$ 354.00	ADDITIONAL POWER SUPPLY NEEDED
	1	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 650.00	PULL 22/6 FOR NEW DS-160/W HORN
	2	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 650.00	PULL 22/6 FOR NEW DS-160/W HORN
	3	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 650.00	PULL 22/6 FOR NEW DS-160/W HORN
	4	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 650.00	PULL 22/6 FOR NEW DS-160/W HORN
	5	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 650.00	PULL 22/6 FOR NEW DS-160/W HORN
	6	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 650.00	PULL 22/6 FOR NEW DS-160/W HORN
	7	CA	SURFACE VERTICAL ROD 1	PIN PROX	Y	$ 7,740.00	ADD NEW ACCESS PIONT TO SYS
	8	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 650.00	PULL 22/6 FOR NEW DS-160/W HORN
	9	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 650.00	PULL 22/6 FOR NEW DS-160/W HORN
	10	CA	SURFACE VERTICAL ROD 2	PIN PROX	Y	$ 6,567.00	ADD NEW ACCESS POINT TO SYS
			PROJECT MANAGEMENT			$ 1,250.00	
						$ 21,111.00	*THE $650 COST IS TO PROVIDE AND WIRE NEW P.I.R. WITH LOCAL ALARM HORN AT EACH DOOR NOTED.*

SENECA HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $	New Door $	Notes:
Seneca	BDF		BDF PACKAGE			$ 2,900.00		
	1	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00		
	2	CA	APARTMENT PACKAGE	PROX	NO	$ 2,066.00		CYL LOCK
	3	CA	SURFACE VERTICAL ROD 1	PIN PROX	YES	$ 7,740.00		REPLACE CURRENT PHI SVR
	4	FA	SURFACE VERTICAL ROD 3	N/A	NO	$ 6,658.00		REPLACE CURRENT PHI SVR
	5	FA	SURFACE VERTICAL ROD 4	N/A	NO	$ 6,237.00		REPLACE CURRENT PHI SVR
	6	CA	SURFACE VERTICAL ROD 2	PIN PROX	NO	$ 6,567.00		REPLACE CURRENT PHI SVR
	7	CA	APARTMENT PACKAGE	PROX	NO	$ 2,066.00		CYL LOCK
	8	CA	APARTMENT PACKAGE	PROX	NO	$ 2,066.00		CYL LOCK
	9	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00	$3,500.00	RECOM. NEW DOOR/FRAME/HWDR
	10	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00		getting new door/frame by campus2004
			PROJECT MANAGEMENT			$ 1,250.00		
						$ 47,593.00		<< TOTAL INCLUDES NEW #9 DOOR

PATHFINDER DINING HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $	New Door $	Notes:
Pathfinder	BDF		BDF PACKAGE			$ 2,900.00		
	1	CA	TUNNEL DBL. DR PACKAGE	PIN PROX	YES	$ 4,841.00	$3,500.00	RECOM. CONTROL POINT DOOR HERE
	2	CA	STANDERD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00		getting new door/frame by campus2004
	3	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00		
	4	CA	TUNNEL DBL. DR PACKAGE	PIN PROX	YES	$ 4,841.00	$3,500.00	RECOM. CONTROL POINT DOOR HERE
	5	-						location does not work as control point
	6	-						location does not work as control point
			PROJECT MANAGEMENT			$ 950.00		
						$ 24,557.00		<< TOTAL INCLUDES NEW #1&4 DOOR

CAYUGA HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $		Notes:
Cayuga	BDF		BDF PACKAGE			$ 2,900.00		
	1	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 1,507.00		getting new door/frame by campus2004
	2	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 2,018.00		
	3	CA	APARTMENT PACKAGE	PROX	NO	$ 2,518.00		MORTISE, 652
	4	CA	~~APARTMENT PACKAGE~~	~~PROX~~ N/A	NO	$ ~~2,518.00~~ 6658		MORTISE, 652
	5	CA	SURFACE VERTICAL ROD -1	PIN PROX	YES	$ 7,740.00		REPLCAE PHI SVR DEVICES
	6	CA	SURFACE VERTICAL ROD -2	PIN PROX	NO	$ 6,567.00		REPLCAE PHI SVR DEVICES
	7	FA	SURFACE VERTICAL ROD-4	N/A	NO	$ 6,237.00		REPLCAE PHI SVR DEVICES
	8	CA	APARTMENT PACKAGE	PROX	NO	$ 2,518.00		MORTISE, 652
	9	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00		
	10	CA	SURFACE VERTICAL ROD -1	PIN PROX	YES	$ 7,740.00		getting new door/frame by campus2004
	11	CA	SURFACE VERTICAL ROD -1	PIN PROX	YES	$ 7,740.00		getting new door/frame by campus2004
	12	FA	SURFACE VERTICAL ROD -3	N/A	NO	$ 6,658.00		getting new door/frame by campus2004
			PROJECT MANAGEMENT			$ 1,250.00		
						$ 59,418.00		

SURFACE VERT. ROD #3

ONONDAGA HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $		Notes:
Onondaga	BDF		BDF PACKAGE			$ 2,900.00		
	1	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00		MORTISE LOCK
	2	CA	APARTMENT PACKAGE	PROX	NO	$ 2,066.00		MORTISE LOCK, 652 STRIKE
	3	FA	SURFACE VERTICAL ROD 3	N/A	NO	$ 6,658.00		REPLACE CURRENT PHI SVR
	4	CA	SURFACE VERTICAL ROD 1	PIN PROX	YES	$ 7,740.00		REPLACE CURRENT PHI SVR
	5	FA	SURFACE VERTICAL ROD 2	PIN PROX	NO	$ 6,567.00		REPLACE CURRENT PHI SVR
	6	FA	SURFACE VERTICAL ROD 4	N/A	NO	$ 6,237.00		REPLACE CURRENT PHI SVR
	7	CA	APARTMENT PACKAGE	PROX	NO	$ 2,066.00		MORTISE LOCK, 652 STRIKE
	8	CA	APARTMENT PACKAGE	PROX	NO	$ 2,066.00		MORTISE LOCK, 652 STRIKE
	9	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00		getting new door/frame by campus2004
	10	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00		getting new door/frame by campus2004
	11	CA	TUNNEL DBL. DR PACKAGE	PIN PROX	YES	$ 4,841.00	$3,500.00	RECOM. CONTROL POINT DOOR HERE
			PROJECT MANAGEMENT			$ 1,250.00		
						$ 52,434.00		<< TOTAL INCLUDES NEW #11 DOOR

LITTLE PAGE DINING HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $	Notes:
Littlepage	BDF		BDF PACKAGE			$ 2,900.00	
	1	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00	
	2	-	N/A	N/A	N/A		may not need elec. control this location
	3	-	N/A	N/A	N/A		may not need elec. control this location
	4	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00	
	5	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00	ENTRANCE TO GYM AREA.
	6,7	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,700.00	HRS ADDED FOR LABOR WIRE, TO
	8	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00	SHARE DCD AND HORN.
			PROJECT MANAGEMENT			$ 950.00	
						$ 13,600.00	

ONEIDA HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $	Notes:
Oneida	BDF		BDF PACKAGE			$ 2,900.00	
	1	CA	APARTMENT PACKAGE	PROX	NO	$ 2,066.00	MORTISE LOCK, 652 STRIKE
	2	FA	SURFACE VERTIACL ROD 3	N/A	NO	$ 6,658.00	REPLACE CURRENT PHI SVR
	3	FA	SURFACE VERTICAL ROD 3	N/A	YES	$ 6,658.00	REPLACE CURRENT PHI SVR
	4	CA	SURFACE VERTICAL ROD 1	PIN PROX	NO	$ 7,740.00	REPLACE CURRENT PHI SVR
	5	CA	SURFACE VERTICAL ROD 2	PIN PROX	NO	$ 6,567.00	REPLACE CURRENT PHI SVR
	6	FA	SURFACE VERTICAL ROD 4	N/A	NO	$ 6,237.00	REPLACE CURRENT PHI SVR
	7	FA	SURFACE VERTICAL ROD 4	N/A	NO	$ 6,237.00	REPLACE CURRENT PHI SVR
	8	CA	APARTMENT PACKAGE	PROX	NO	$ 2,066.00	MORTISE LOCK, 652 STRIKE
	9	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00	
	10	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00	getting new door/frame by campus2004
	11	CA	TUNNEL DBL. DR PACKAGE	PIN PROX	YES	$ 4,841.00	TOP-SVR X MORTISE EXIT.
	12	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00	getting new door/frame by campus2004
	13	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00	getting new door/frame by campus2004
	14	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00	getting new door/frame by campus2004
	15	CO	DOOR CONTACT PACKAGE	N/A	NO	$ 494.00	
			PROJECT MANAGEMENT			$ 1,450.00	
						$ 65,493.00	

SCALES HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $	Notes:
Scales	BDF		BDF PACKAGE			$ 2,900.00	
	1	CA	APARTMENT PACKAGE	PROX	NO	$ 2,066.00	MORTISE, 652
	2	CA	SURFACE VERTICAL ROD-1	PIN PROX	YES	$ 7,740.00	REPLACE PHI SVR DEVICES
	3	CA	SURFACE VERTICAL ROD-2	PIN PROX	NO	$ 6,567.00	REPLACE PHI SVR DEVICES
	4	DC	DOOR CONTACT ONLY (2)	N/A	NO	$ 494.00	TIE INTO CLOSEST DCD
	5	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00	RIM EXIT DEVICE
	6	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00	RIM EXIT DEVICE
	7	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00	RIM EXIT DEVICE
	8	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00	OUTSIDE PAIR OF DR'S ONLY
			PROJECT MANAGEMENT			$ 950.00	
						$ 28,767.00	

WATERBURY HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $	Notes:
Waterbury	BDF		BDF PACKAGE			$ 2,900.00	
	1	CA	APARTMENT PACKAGE	PROX	NO	$ 2,066.00	MORTISE, 652
	2	CA	SURFACE VERTICAL ROD-1	PIN PROX	YES	$ 7,740.00	NO LOCK HARDWARE ON DR NOW.
	3	CA	SURFACE VERTICAL ROD-2	PIN PROX	NO	$ 6,567.00	REPLCAE PHI SVR DEVICES
	4	CA	TUNNEL DBL.DR PACKAGE	PIN PROX	YES	$ 4,841.00	ADD STRIKE TO EXIT BAR SETUP
	5	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00	RIM EXIT DEVICE
	6	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00	RIM EXIT DEVICE
	8	CA	STANDARD STRIKE PACKAGE	PIN PROX	YES	$ 2,518.00	RIM EXIT DEVICE
	7	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00	
	9	FA	FULLY ALARMED - EXIT ONLY	N/A	NO	$ 1,507.00	
			PROJECT MANAGEMENT			$ 950.00	
						$ 34,621.00	

JOHNSON HALL

Building	Door #	Type	Door Package Type	Reader Style	CCTV ready	Budget $		Notes:
Johnson	1	CA	SURFACE VERTICAL ROD-2	PIN PROX	N/A	$ 6,567.00		USE EXISTING P.S. IN MAIL ROOM PHI, ALREADY, GEN. FOR 110VAC
	2	CA	SURFACE VERTICAL ROD-1	PIN PROX	YES	$ 7,740.00	$3,500.00	RECOM. CONTROL POINT DOOR HERE
	3	CA *	DOOR ON EXISTING SYSTEM	PIN PROX	EXIST.	-		
			PROJECT MANAGEMENT			$ 250.00		
						$ 18,057.00		<< TOTAL INCLUDES NEW #2 DOOR

* Only one door panel of pair has electric hardware.
The other panel is manually locked/unlocked.

HART HALL

HART HALL - INTERIOR ACCESS CONVERTION PROJECT

FLOOR #	DR #	TYPE	Door Package Type		CCTV	Budget $	Notes:
1ST FLOOR	123	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	119	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
2ND FLOOR	205	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	207	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	227	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	256	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
3RD FLOOR	305	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	307	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	327	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	356	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
4TH FLOOR	405	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	407	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	427	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	456	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
5TH FLOOR	505	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	507	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	527	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	556	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
6TH FLOOR	605	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	607	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	627	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	656	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE

HART HALL

HART HALL - INTERIOR ACCESS CONVERTION PROJECT

FLOOR #	DR #	TYPE	Door Package Type		CCTV	Budget $	Notes:
7TH FLOOR	705	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	707	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	727	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	756	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
8TH FLOOR	805	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	807	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	827	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	856	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
9TH FLOOR	905	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	907	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	927	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
	956	CA	HART HALL PACKAGE	PROX	N/A	$ 1,750.00	INSIDE DOOR PACKGE
			PROJECT MANAGEMENT			$ 1,450.00	
						$ 60,950.00	

Cost is based on existing lock hardware being used and a new proximity reader being installed on the door frame. This means that new lock does not need to be purchased and a custom plate does not need to be installed on the door to cover mounting holes. The existing lock card swipe on the door will still be there but disabled. A plan could be made to visually conceal the old card reader. To install new locks and plate would cost approx. $ 350.00 per door.

Available Electric Power

Information provided by the Oswego State Electric Dept.
April 27,2004

Card Access
AC Power Source
Information

Building	Description of Doors on 24 Hour DC backup (Electrified Hardware)	Location of AC Source Branch Panel (All Access Power)	Branch Panel ID	Branch Panel Breaker Avail.	Generator Power Avail.	Branch Breaker Type
Cayuga	Front and Back doors	Electric Room	LP-ST	YES	YES	GE
Funnelle	Front(E), Side(N) and Back(W)	Electric Room	EM	YES	YES	Westinghouse
Hart	NA	Electric Room	LP-EM2	YES	YES	Square D
Lonis	NA				YES	
Mackin	NA				?	
Moreland	NA				?	
Oneida	Front Doors	Electric Room	ST	YES	YES	Square D
Onondaga	Front Doors	Electric Room	LP-S&E	YES	YES	Square D
Seneca	Front Doors	Electric Room	LP-S&E	YES	YES	Westinghouse
Scales	Front Doors	Electric Room	EP-1	YES	YES	Square D
Waterbury	Front Doors	outside Electric Room	EP-1	YES	YES	Square D
Pathfinder	Tunnel	Electric Room	LP-S&E	YES	NO	GE
Littlepage	Tunnel	Electric Room	LP-S&E	YES	NO	Square D
Cooper	Tunnel	outside Electric Room	LP-E	YES	NO	GE

Note:

- Twenty-four hour backup for all front doors as emergency power cannot be guaranteed.
- Standard battery backup for all other doors
- Building controller on building network rack may need further approval from networking department.
- Any use of generator power may only be taken from the above list of electric panels, not by connecting to existing circuits. This applies to power for electrified door hardware (i.e.; vertical rods).

Appendix No. 1

DOOR HARDWARE PACKAGE TYPES

PACKAGE TYPE	ITEM QTY	PART NUMBER	ITEM DESCRIPTION	PRICE EACH	EXTENDED $
BDF PACKAGE	1	051-507972	SITE ETHERNET INTERFACE	$ 325.00	$ 325.00
	1	149-101117	SITE CONTROL UNIT	$ 310.00	$ 310.00
Building	2	PS1-100212-001	P.S. W/8AH BATTERY/LINE CONDI.	$ 354.00	$ 708.00
Distribution	1	041-100992	SURFACE BOX W/LOCK	$ 32.00	$ 32.00
Frame	1	CABLE/MISC	MOUNT ITEMS / CABLE CONN.	$ 125.00	$ 125.00
	1	INSTALL/PROGRAM	LABOR TO TEST PROGRAM	$ 850.00	$ 850.00
	1	110VAC HOOK UP	ELECTRIC LABOR. WIRE, CONDUIT.	$ 550.00	$ 550.00
					$ 2,900.00

**** 110VAC WIRING AND CONDUIT IS INCLUDED IN THIS REPORT.**
**** ROOM IN ELECTRIC/DATA CLOSET FOR PANELS IS ASSUMED. (3' X 3' AREA)**
**** STATIC IP ADDRESS FOR EACH BUILDING PROVIDED BY COLLEGE.**
**** ACCESS TO BUILDING DURING NORMAL WORKING HOURS (8AM-5PM, M-F, LESS HOLIDAY'S)**
**** PIN PROX READERS WILL BE INSTALLED ON OUTSIDE DOORS. (GRAY) KP-6840.**
**** MULLION STYLE PROX READER ON INSIDE ACCESS POINTS (GRAY) SR-2400**
**** MILLENIUM POWER SUPPLY TO BE PLUGGED INTO DATA RACK(ALL RACKS HAD ROOM AS OF 4/22/2004)**
**** BATTERY BACK-UP FOR PHI. POWER SUPPLIES ON CARD READER DOORS ONLY, NOT ON AUTO UNLOCK DOORS.**
**********ALL ELECTRIC RATES ARE WITH UNION LABOR FROM CPS OF OSWEGO.*********
**********ALL ACCESS LABOR IS NON-UNION LABOR AT NON-UNION RATES.****************
(Based on MAC Systems labor rate of $70/hour, which Mac systems thinks would cover the associated prevailing wage rates for Oswego.)

PACKAGE TYPE	QTY	PART NUMBER	DESCRIPTION	PRICE
APARTMENT PACKAGE (SINGLE DOOR)	1	642 - 652	FOLGER ADAM 12VDC STIKE	$ 290.00
	1	DS-160	REX AND HORN UNIT 12VDC	$ 125.00
	1	SR-2400	AWID MULLION PROX READER	$ 108.00
	1	SR-1078CW	DOOR CONTACT-KIT 3/4	$ 19.00
	1	WIRE/CABLE	WIRE CABLE, BRACKET	$ 150.00
	1	MISC	CONDUIT/WIRE MOLD/ETC.	$ 125.00
	1	P & T	PROGRAM AND TEST	$ 75.00
	1	INSTALL LABOR	LABOR TO INSTALL ABOVE	$ 850.00
	1	149-100958	DOOR CONTROL DEVICE	$ 292.00
	1	041-100992	SURFACE BOX W/LOCK 1 DCD	$ 32.00
				$ 2,066.00

STANDARD STRIKE PACKAGE (SINGLE DOOR)	QTY	PART NUMBER	DESCRIPTION	PRICE
	1	652, 310, 9600	12VDC ELECTRIC STRIKE	$ 290.00
	1	DS-160	REX AND HORN UNIT 12VDC	$ 125.00
	1	KP-6840	AWID PIN/PRIX WALL SWITCH	$ 225.00
	1	SR-1078CW	DOOR CONTACT-KIT 3/4	$ 19.00
	1	WIRE/CABLE	WIRE CABLE, BRACKET	$ 150.00
	1	MISC	CONDUIT/WIRE MOLD/ETC.	$ 150.00
	1	P & T	PROGRAM AND TEST	$ 75.00
	1	CCTV-150	RG 59/18 2,BOX AND BNC'S	$ 210.00
	1	INSTALL LABOR	LABOR TO INSTALL ABOVE	$ 950.00
	1	149-100958	DOOR CONTROL DEVICE	$ 292.00
	1	041-100992	SURFACE BOX W/LOCK 1 DCD	$ 32.00
				$ 2,518.00

DOUBLE DOOR STRIKE PACKAGE	QTY	PART NUMBER	DESCRIPTION	PRICE
	1	310-2 2/3 OB	12VDC ELECTRIC STRIKE	$ 325.00
	1	DS-160	REX AND HORN UNIT 12VDC	$ 125.00
	1	KP-6840	AWID PIN/PRIX WALL SWITCH	$ 225.00
	2	SR-1078CW	DOOR CONTACT-KIT 3/4	$ 38.00
	1	WIRE/CABLE	WIRE CABLE, BRACKET	$ 150.00
	1	MISC	CONDUIT/WIRE MOLD/ETC.	$ 150.00
	1	P & T	PROGRAM AND TEST	$ 75.00
	1	CCTV-150	RG 59/18 2,BOX AND BNC'S	$ 210.00
	1	INSTALL LABOR	LABOR TO INSTALL ABOVE	$ 1,250.00
	1	MARRY/HAGER	WIRED HINGE	$310.00
	1	149-100958	DOOR CONTROL DEVICE	$ 292.00
	1	041-100992	SURFACE BOX W/LOCK 1 DCD	$ 32.00
				$ 3,182.00

MAG-LOCK DOOR PACKAGE

OTY	PART NUMBER	DESCRIPTION	PRICE	
2	3000 SERIES	12VDC DYNALOCK MAG US28	$	390.00
1	DS-160	REX AND HORN UNIT 12VDC	$	125.00
1	KP-6840	AWID PIN/PRIX WALL SWITCH	$	225.00
2	SR-1078CW	DOOR CONTACT-KIT 3/4	$	19.00
1	WIRE/CABLE	WIRE CABLE, BRACKET	$	150.00
1	MISC	CONDUIT/WIRE MOLD/ETC.	$	150.00
1	CCTV-150	RG 59/18 2,BOX AND BNC'S	$	210.00
1	P & T	PROGRAM AND TEST	$	75.00
1	INSTALL LABOR	LABOR TO INSTALL ABOVE	$	1,357.00
1	149-100958	DOOR CONTROL DEVICE	$	292.00
1	041-100992	SURFACE BOX W/LOCK 1 DCD	$	32.00
1	BUTTON/WIRE/LABOR	EMG BUTTON/FIRE TIE IN KIT	$	350.00
			$	**3,375.00**

SURFACE VERTICAL ROD-1
ELECTRIC LATCH RETRACTION WITH REX, FOR 1 DOUBLE DOOR. SVR-1, 125' DISTANCE MAX.
WITH # 12 WIRE

OTY	PART NUMBER	DESCRIPTION	PRICE	
2	TSELR22031703US32D	SVR EXIT DEVICE W REX.ELR	$	2,460.00
2	SL-1101-HD 10 WIRE	SELECT CON'T. HINGE 10 WIRE	$	650.00
1	KP-6840	AWID PIN/PRIX WALL SWITCH	$	225.00
2	SR-1078CW	DOOR CONTACT-KIT 3/4	$	38.00
2	WIRE/CABLE	WIRE CABLE, BRACKET	$	300.00
1	ELR-152	POWER SUPPLY, FOR 2 BARS	$	536.00
1	BT 150-07	BATTERY BACKUP CARD	$	282.00
1	BATTERY KIT	3 18AH, CABLES, BOX, COVER	$	225.00
2	MISC	CONDUIT/WIRE MOLD/ETC.	$	300.00
1	CCTV-150	RG 59/18 2,BOX AND BNC'S	$	210.00
2	P & T	PROGRAM AND TEST	$	150.00
1	INSTALL LABOR	LABOR TO INSTALL ABOVE	$	2,040.00
1	149-100958	DOOR CONTROL DEVICE	$	292.00
1	041-100992	SURFACE BOX W/LOCK 1 DCD	$	32.00
			$	**7,740.00**

SURFACE VERTICAL ROD-2
ELECTRIC LATCH RETRACTION WITH REX, FOR 1 DOUBLE DOOR, TO BE RUN OFF P.S. FROM PKG 1 **SVR-2, 125' MAX DISTANCE**
WITH # 12 WIRE

OTY	PART NUMBER	DESCRIPTION	PRICE	
2	TSELR22031703US32D	SVR EXIT DEVICE W REX.ELR	$	2,460.00
2	SL-1101-HD 10 WIRE	SELECT CON'T. HINGE 10 WIRE	$	650.00
1	KP-6840	AWID PIN/PRIX WALL SWITCH	$	225.00
2	SR-1078CW	DOOR CONTACT-KIT 3/4	$	38.00
2	WIRE/CABLE	WIRE CABLE, BRACKET	$	300.00
2	CM-150-08	CONTROL MOD. 1 DEVICE	$	290.00
2	MISC	CONDUIT/WIRE MOLD/ETC.	$	300.00
2	P & T	PROGRAM AND TEST	$	150.00

1	INSTALL LABOR	LABOR TO INSTALL ABOVE	$	1,830.00
1	149-100958	DOOR CONTROL DEVICE	$	292.00
1	041-100992	SURFACE BOX W/LOCK 1 DCD	$	32.00
			$	**6,567.00**

SURFACE VERTICAL ROD-3
ELECTRIC LATCH RETRACTION
WITH REX, AUTO UNLOCK ONLY
ELR-152 POWER SUPPLY
****SVR-3, 125' DISTANCE MAX.****
WITH # 12 WIRE

QTY	*PART NUMBER*	*DESCRIPTION*	*PRICE*	
2	TSELR22031703US32D	SVR EXIT DEVICE W REX.ELR	$	2,460.00
2	SL-1101-HD 10 WIRE	SELECT CON'T. HINGE 10 WIRE	$	650.00
0	**NO READER, AUTO LOCK AND UNLOCK ONLY**		$	-
2	SR-1078CW	DOOR CONTACT-KIT 3/4	$	38.00
1	ELR-152	POWER SUPPLY, FOR 2 BARS	$	536.00
2	WIRE/CABLE	WIRE CABLE, BRACKET	$	275.00
2	MISC	CONDUIT/WIRE MOLD/ETC.	$	300.00
2	P & T	PROGRAM AND TEST	$	150.00
1	INSTALL LABOR	LABOR TO INSTALL ABOVE	$	1,925.00
1	149-100958	DOOR CONTROL DEVICE	$	292.00
1	041-100992	SURFACE BOX W/LOCK 1 DCD	$	32.00
			$	**6,658.00**

SURFACE VERTICAL ROD-4
ELECTRIC LATCH RETRACTION
WITH REX, AUTO UNLOCK ONLY
TO BE RUN OFF P.S. FROM PKG 3
SVR-4, 125' DISTANCE MAX.
WITH # 12 WIRE

QTY	*PART NUMBER*	*DESCRIPTION*	*PRICE*	
2	TSELR22031703US32D	SVR EXIT DEVICE W REX.ELR	$	2,460.00
2	SL-1101-HD 10 WIRE	SELECT CON'T. HINGE 10 WIRE	$	650.00
0	**NO READER, AUTO LOCK AND UNLOCK ONLY**		$	-
2	SR-1078CW	DOOR CONTACT-KIT 3/4	$	38.00
2	CM-150-08	CONTROL MOD. 1 DEVICE	$	290.00
2	WIRE/CABLE	WIRE CABLE, BRACKET	$	275.00
2	MISC	CONDUIT/WIRE MOLD/ETC.	$	300.00
2	P & T	PROGRAM AND TEST	$	150.00
1	INSTALL LABOR	LABOR TO INSTALL ABOVE	$	1,750.00
1	149-100958	DOOR CONTROL DEVICE	$	292.00
1	041-100992	SURFACE BOX W/LOCK 1 DCD	$	32.00
			$	**6,237.00**

TUNNEL DBL. DOORS PACKAGE
SVR- 125' DISTANCE MAX.
WITH # 12 WIRE

QTY	*PART NUMBER*	*DESCRIPTION*	*PRICE*	
1	ELR22031703US32D	SVR EXIT DEVICE ELR ONLY	$	1,196.00
1	6 WIRE HINGE	6 WIRE HINGE, US32D	$	250.00
1	KP-6840	AWID PIN/PRIX WALL SWITCH	$	225.00
2	SR-1078CW	DOOR CONTACT-KIT 3/4	$	38.00
1	WIRE/CABLE	WIRE CABLE, BRACKET	$	150.00
1	ELR-151	PHI P.S. WITH 1 CARD	$	386.00
1	BT 150-07	BATTERY BACKUP CARD	$	282.00
1	BATTERY KIT	3 18AH, CABLES, BOX, COVER	$	225.00

	1 MISC	CONDUIT/WIRE MOLD/ETC.	$	150.00	
	1 P & T	PROGRAM AND TEST	$	150.00	
	1 INSTALL LABOR	LABOR TO INSTALL ABOVE	$	1,340.00	
	1 DS-160	REX AND HORN UNIT 12VDC	$	125.00	
	1 149-100958	DOOR CONTROL DEVICE	$	292.00	
	1 041-100992	SURFACE BOX W/LOCK 1 DCD	$	32.00	
			$	**4,841.00**	

FULLY ALARMED PACKAGE	***QTY***	***PART NUMBER***	***DESCRIPTION***	***PRICE***	
	1	149-100958	DOOR CONTROL DEVICE	$	292.00
	1	041-100992	SURFACE BOX W/LOCK 1 DCD	$	32.00
	1	DS-160	REX AND HORN UNIT 12VDC	$	125.00
	2	SR-1078CW	DOOR CONTACT-KIT 3/4	$	38.00
	1	WIRE/CABLE	WIRE CABLE, BRACKET	$	150.00
	1	INSTALL LABOR	LABOR TO INSTALL ABOVE	$	720.00
	1	MISC	CONDUIT/WIRE MOLD/ETC.	$	150.00
				$	**1,507.00**

DOOR CONTACT ONLY PACKAGE	***QTY***	***PART NUMBER***	***DESCRIPTION***	***PRICE***	
	1	SR-1078CW	DOOR CONTACT	$	19.00
	1	WIRE CABLE/ PIPE	WIRE AND CONDUIT TO DCD	$	150.00
	1	LABOR	WIRE TO CLOSEST DCD	$	325.00
				$	**494.00**

HART HALL INSIDE DR PACKAGE	***QTY***	***PART NUMBER***	***DESCRIPTION***	***PRICE***		***NOTES:***
	1	PS1-100212-001	P.S. W/8AH BATTERY/LINE CONDI.	$	50.00	*1/8 power supply*
	1	SR-2400	AWID MULLION PROX READER	$	108.00	***STANDALONE 950 LOCKS***
	1	642 - 652	FOLGER ADAM 12VDC STIKE	$	290.00	***TO REMAIN ON DOOR,.***
	1	WIRE/CABLE	WIRE CABLE, BRACKET	$	95.00	
	1	MISC	CONDUIT/WIRE MOLD/ETC.	$	50.00	
	1	P & T	PROGRAM AND TEST	$	73.00	
	1	INSTALL LABOR	LABOR TO INSTALL ABOVE	$	760.00	
	1	149-100958	DOOR CONTROL DEVICE	$	292.00	
	1	041-100992	SURFACE BOX W/LOCK 1 DCD	$	32.00	
				$	**1,750.00**	

BUILDING ACCESS CONTROL

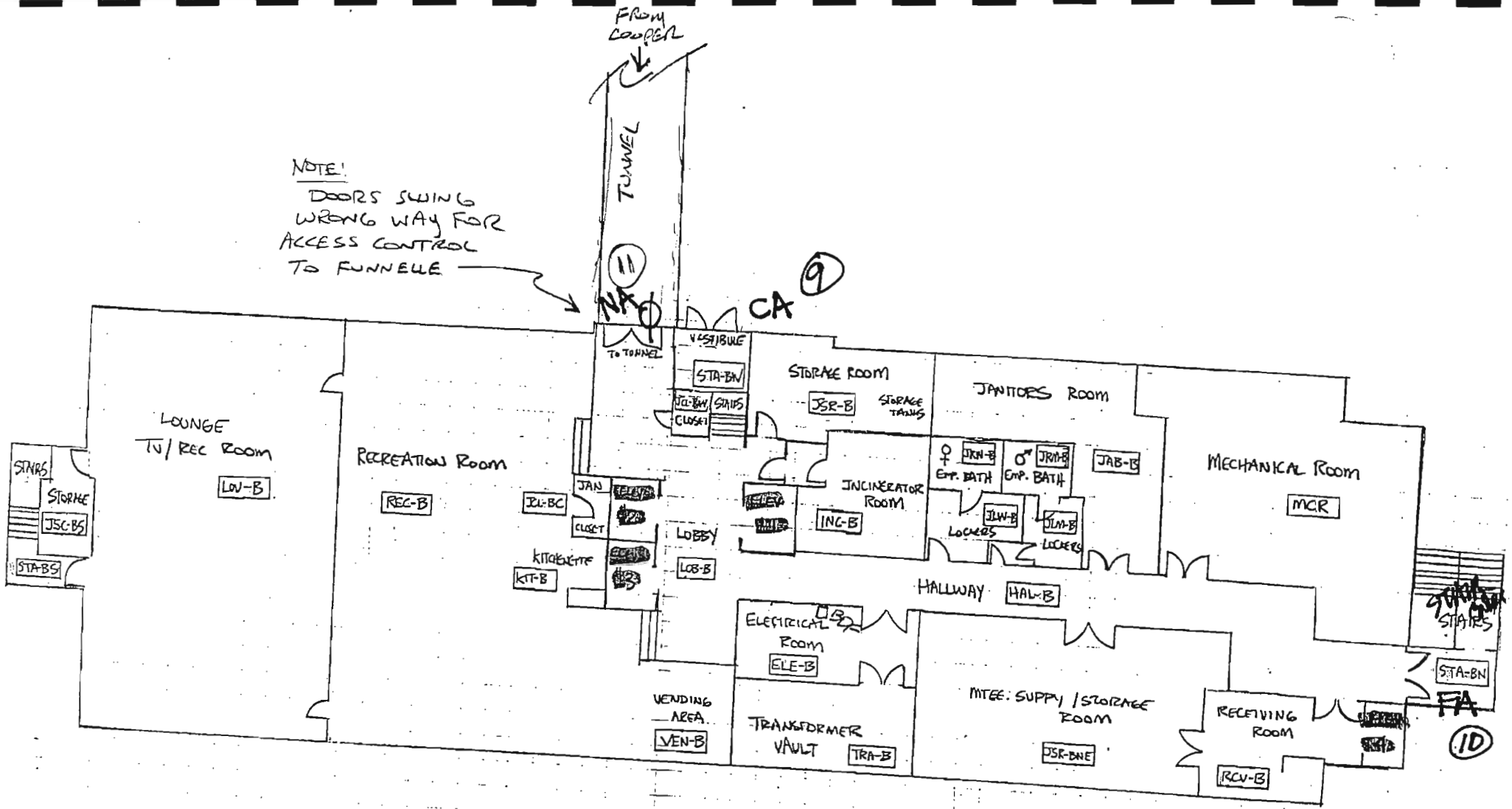
STUDY
FOR
RESIDENCE HALL BUILDINGS
AND
ADJOINING DINING HALLS

BUILDINGS SURVEYED

- Lonis Hall
- Mackin Dining Hall
- Moreland Hall
- Funnelle Hall
- Cooper Dining Hall / Cooper Fitness Center
- Hart hall
- Seneca Hall
- Pathfinder Dining Hall
- Cayuga Hall
- Onondaga Hall
- Littlepage Dining Hall / Glimmerglass Fitness Center
- Oneida Hall
- Scales Hall
- Waterbury Hall
- ~~Riggs Hall~~ (under construction)
- ~~Lakeside Dining Hall~~(under construction)
- Johnson Hall

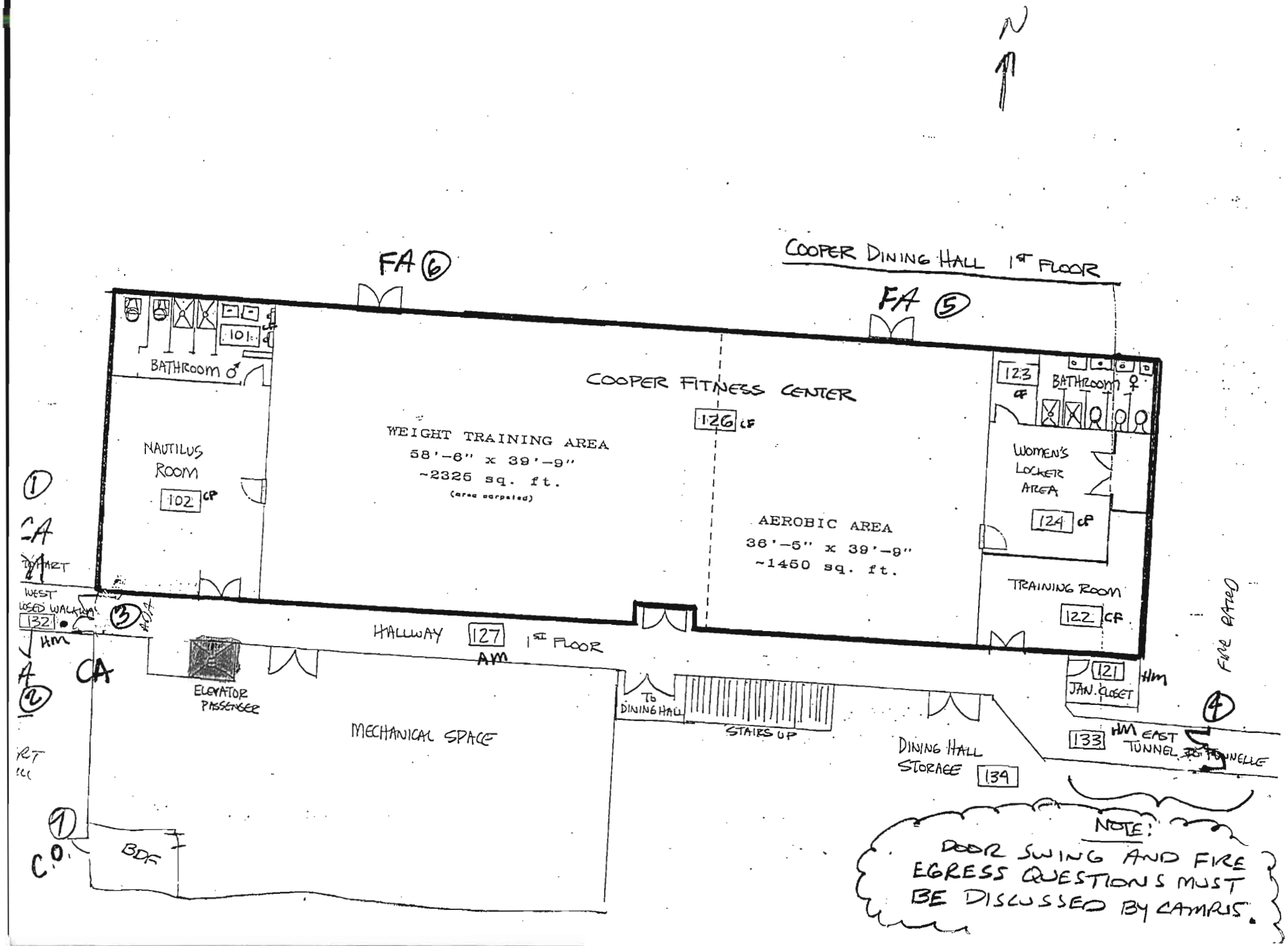
Floor Plan Key:
CA = Card Access door
FA = Fully Alarmed door
CO = Contact Only door

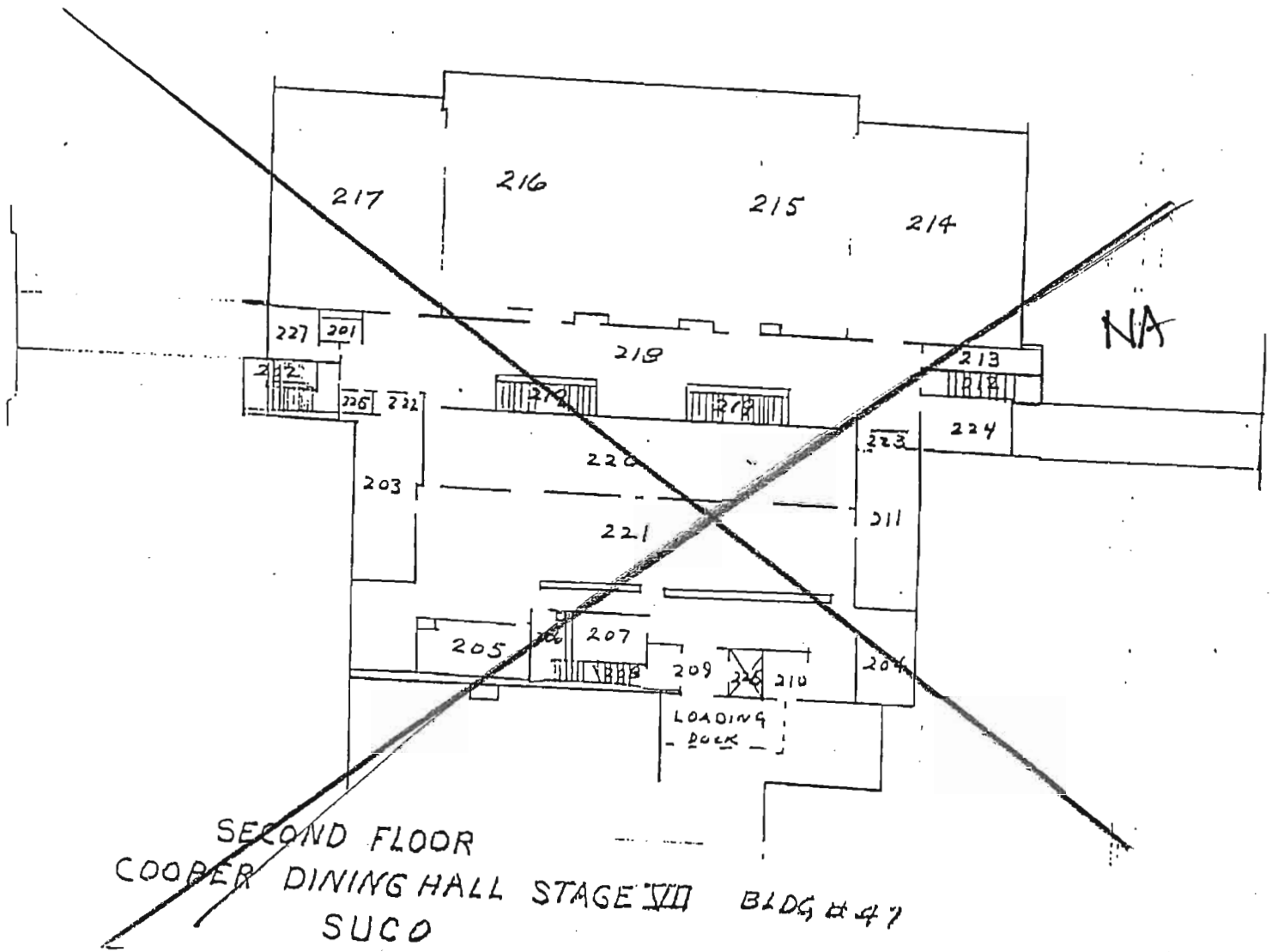
Appendix No. 3



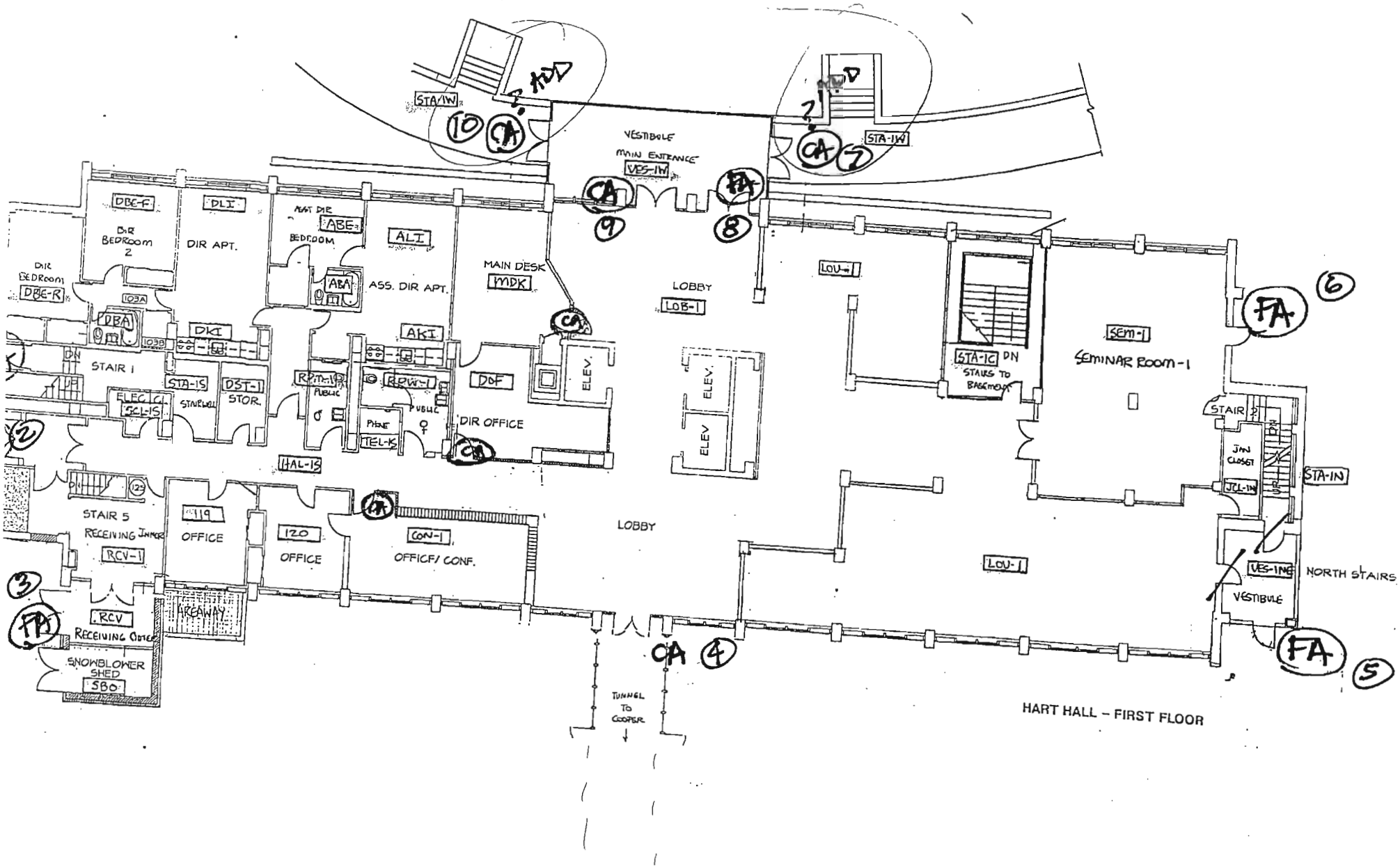
FUNNELLE HALL #48

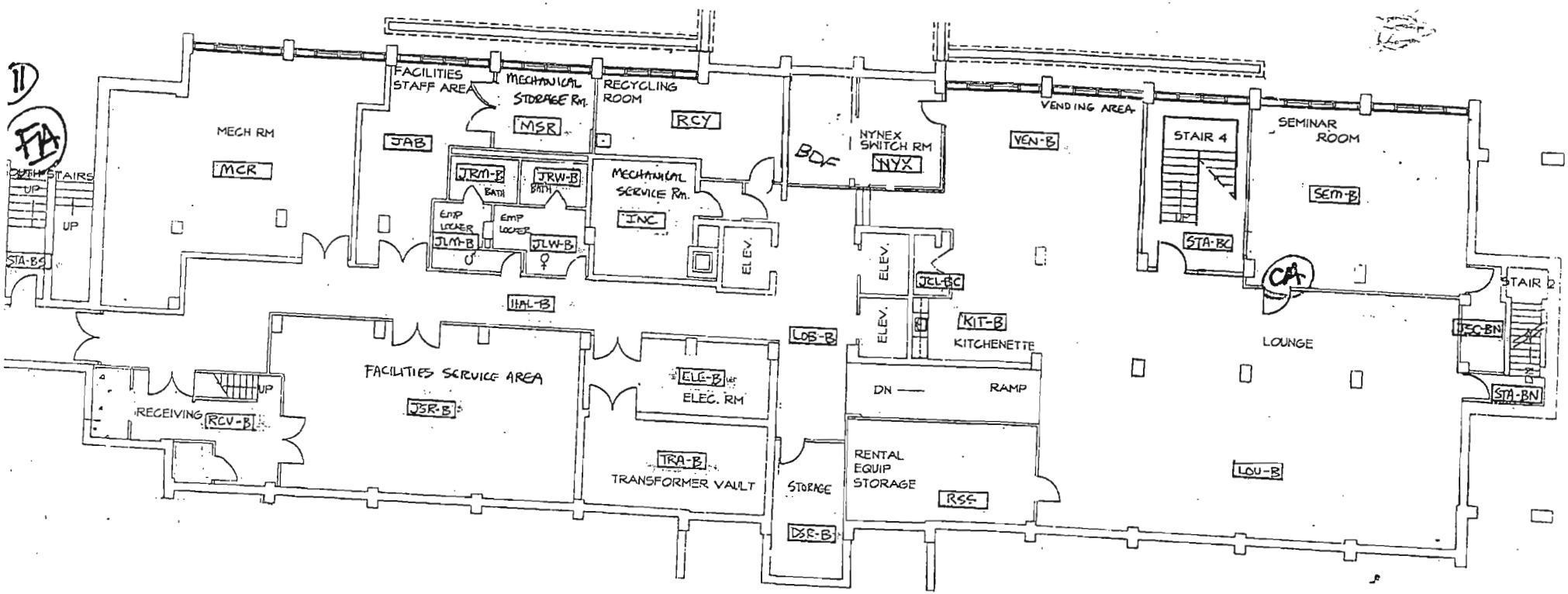
BASEMENT


N
COOPER DINING HALL 1ST FLOOR
FA 6
FA 5
101
BATHROOM ♂
NAUTILUS ROOM
102 CP
COOPER FITNESS CENTER
126 CF
WEIGHT TRAINING AREA
58'-8" x 39'-9"
~2325 sq. ft.
(area carpeted)
AEROBIC AREA
36'-5" x 39'-9"
~1450 sq. ft.
123 CF
BATHROOM ♀
WOMEN'S LOCKER AREA
124 CF
TRAINING ROOM
122 CF
FIRE RATED
1
CA
WEST
132
HM
3
ADA
HALLWAY 127 1ST FLOOR
AM
121
JAN. CLOSET
HM
4
2
A
CA
ELEVATOR PASSENGER
MECHANICAL SPACE
To DINING HALL
STAIRS UP
DINING HALL STORAGE 139
133
HM EAST TUNNEL
TUNNELLE
RT
1
C.O.
BDR
NOTE:
DOOR SWING AND FIRE EGRESS QUESTIONS MUST BE DISCUSSED BY CAMPUS.

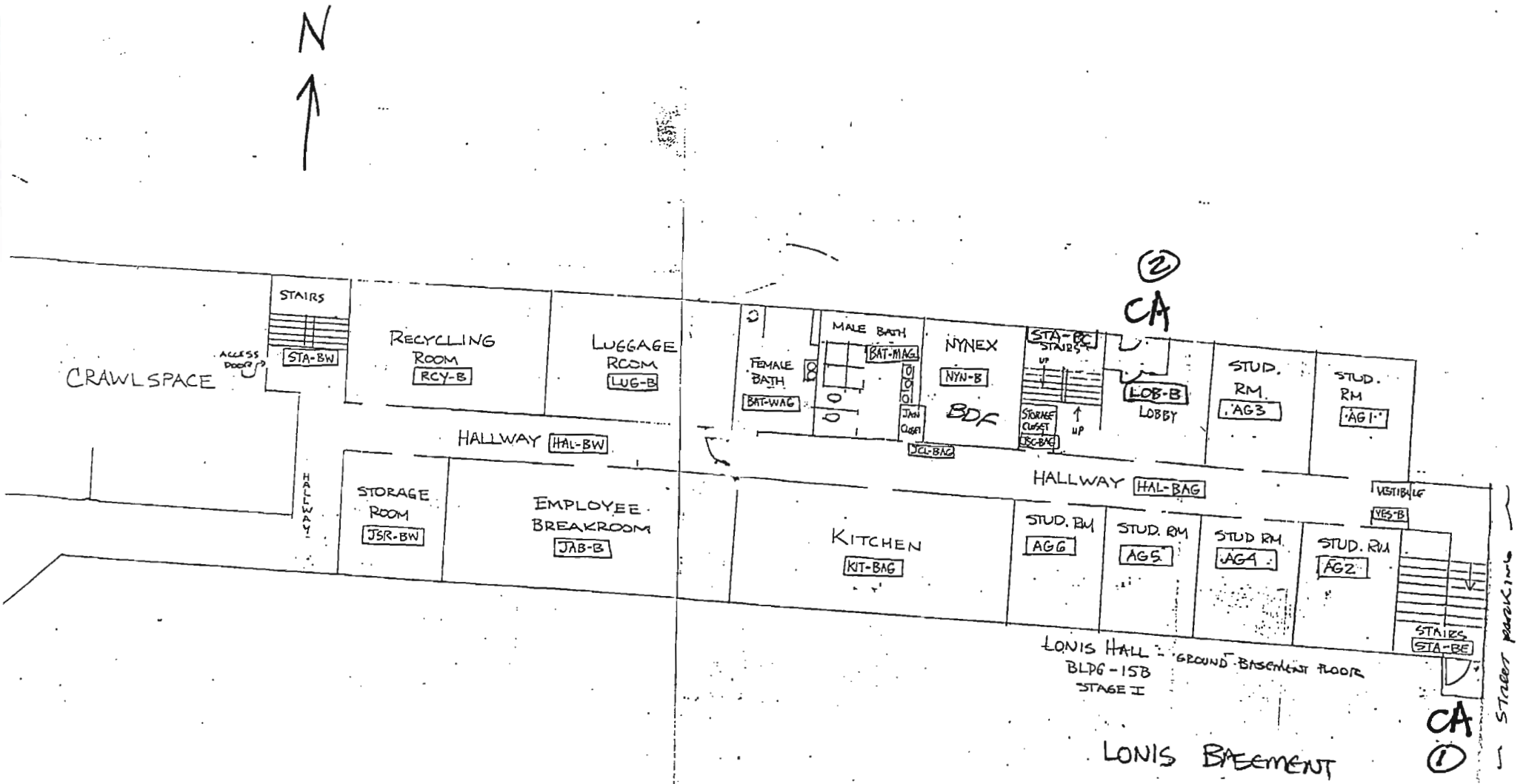


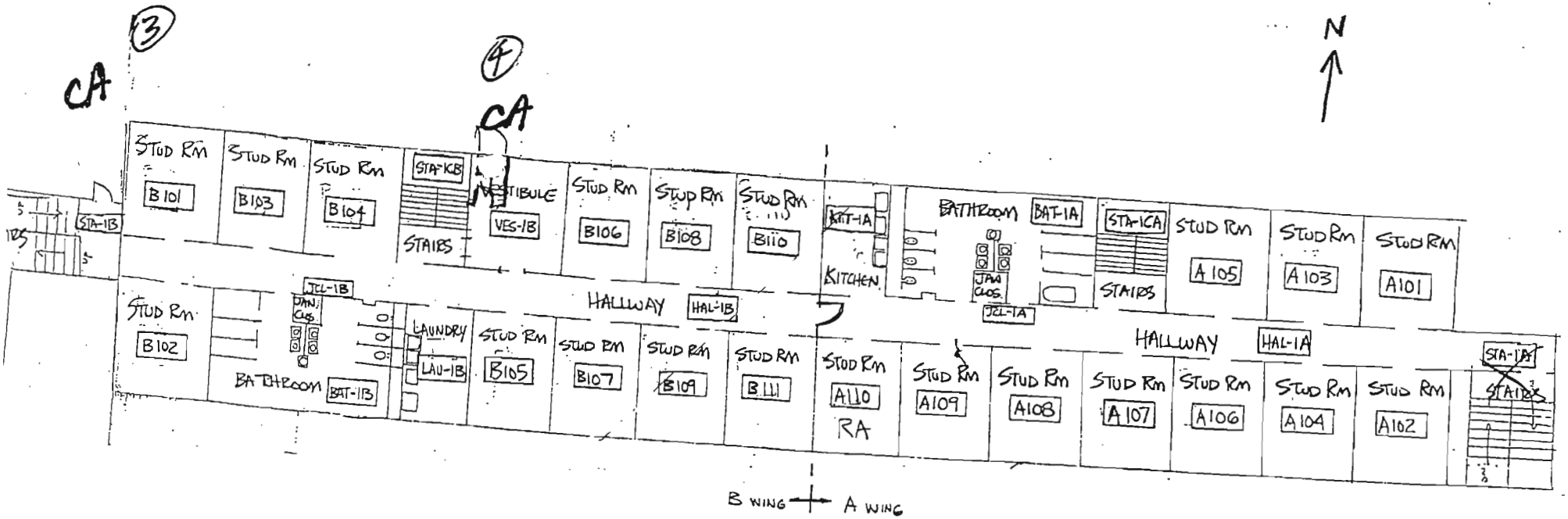
SECOND FLOOR
COOPER DINING HALL STAGE VII BLDG # 47
SUCO


STA-1W
VESTIBULE
MAIN ENTRANCE
VES-1W
STA-1W
DBE-F
DLI
DIR BEDROOM 2
DIR APT.
ABE
ALI
ASS. DIR APT.
ABA
MAIN DESK
MDK
LOBBY
LOB-1
LOU-1
DIR BEDROOM
DBE-R
103A
DBA
103B
DKI
AKI
STAIR 1
STA-1S
DST-1
STOR.
ELEC
SCL-1S
RPW-1
RPW-1P
PUBLIC
PHONE
TEL-1S
DOF
DIR OFFICE
ELEV.
ELEV.
ELEV
STA-1C
STAIRS TO BASEMENT
SEM-1
SEMINAR ROOM-1
STAIR
JAN CLOSET
JCL-1N
STA-1N
HAL-1S
STAIR 5
RECEIVING JANITOR
RCV-1
119
OFFICE
120
OFFICE
CON-1
OFFICE/ CONF.
LOBBY
LOU-1
VES-1NG
NORTH STAIRS
VESTIBULE
RCV
RECEIVING OFFICE
AREAWAY
SNOWBLOWER SHED
SBO
TUNNEL TO COOPER
HART HALL – FIRST FLOOR



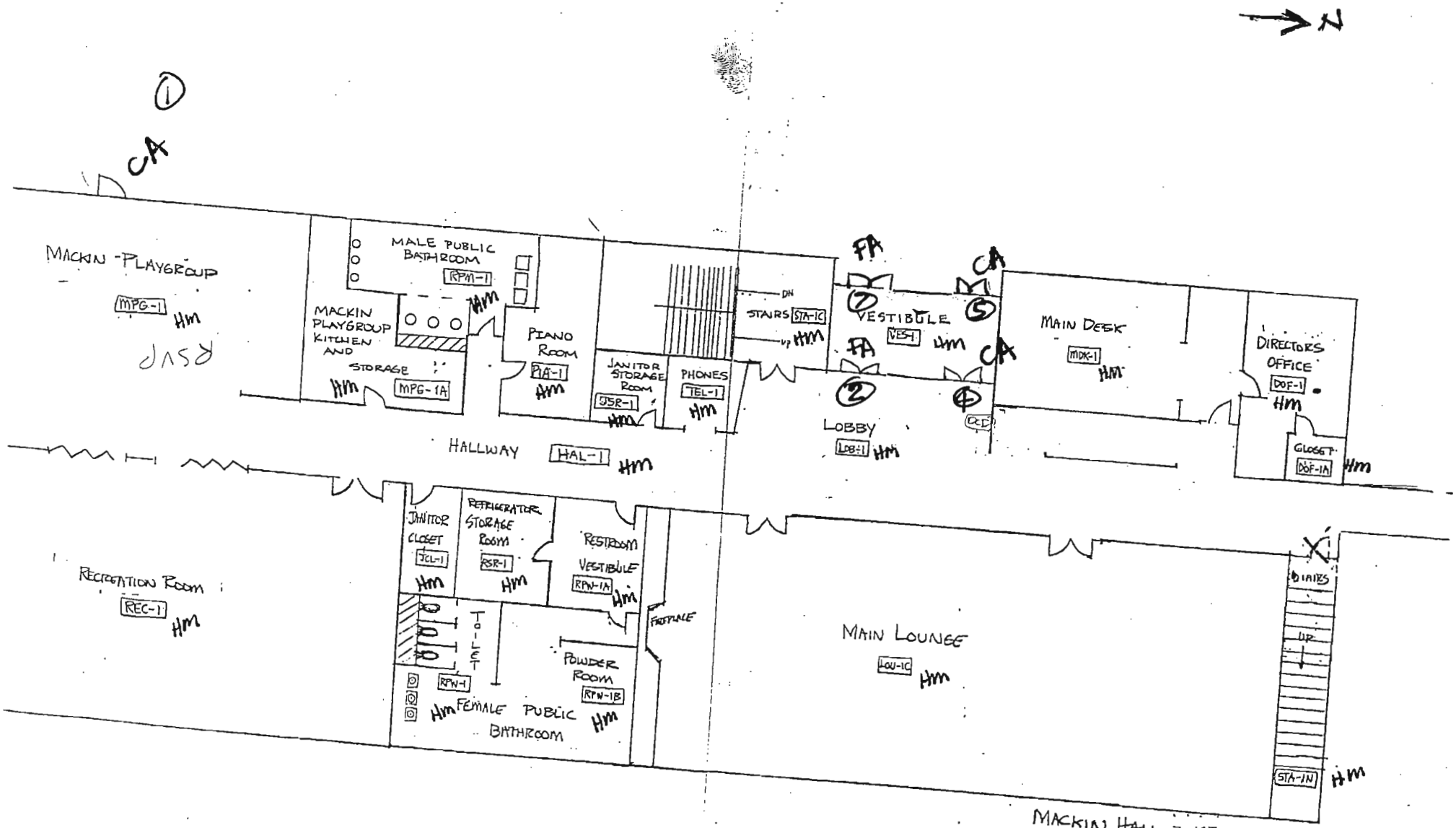
HART HALL – BASEMENT LEVEL

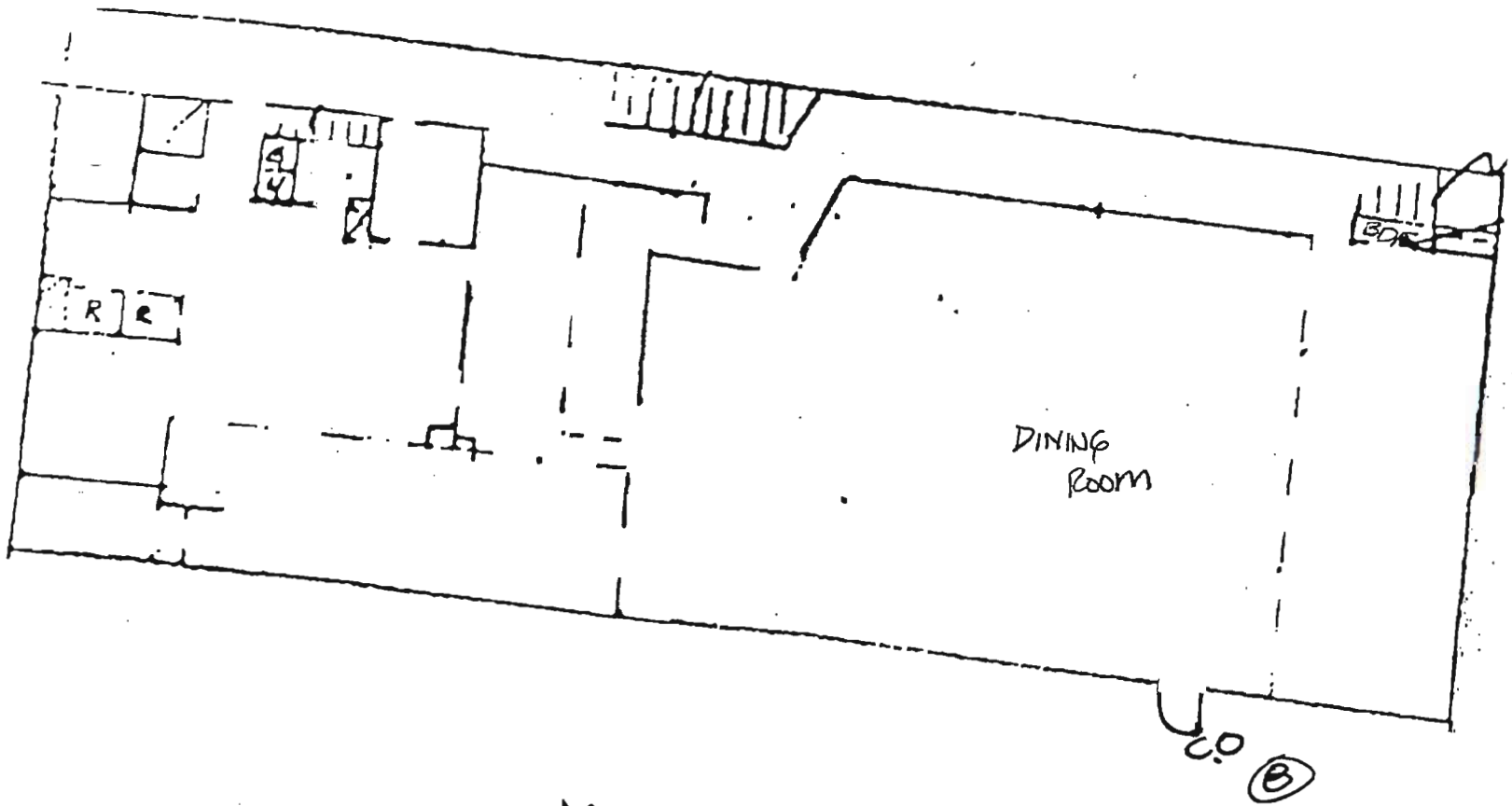

N
STAIRS
STA-BW
ACCESS DOOR
CRAWLSPACE
RECYCLING ROOM
RCY-B
LUGGAGE ROOM
LUG-B
HALLWAY
HAL-BW
HALWAY
STORAGE ROOM
JSR-BW
EMPLOYEE BREAKROOM
JAB-B
KITCHEN
KIT-BAG
FEMALE BATH
BAT-WAG
MALE BATH
BAT-MAG
JAN CLOSET
JCL-BAG
NYNEX
NYN-B
BDF
STA-BC
STAIRS
UP
STORAGE CLOSET
JSC-BAG
(2)
CA
LOB-B
LOBBY
STUD. RM.
AG3
STUD. RM
AG1
HALLWAY
HAL-BAG
VESTIBULE
VES-B
STUD. RM
AGG
STUD. RM
AG5
STUD RM
AG4
STUD. RM
AG2
STAIRS
STA-BE
LONIS HALL - GROUND BASEMENT FLOOR
BLDG-15B
STAGE I
CA
(1)
LONIS BASEMENT
STREET PARKING



LONIS HALL 1ST FLOOR

BUILDING 15B STAGE I

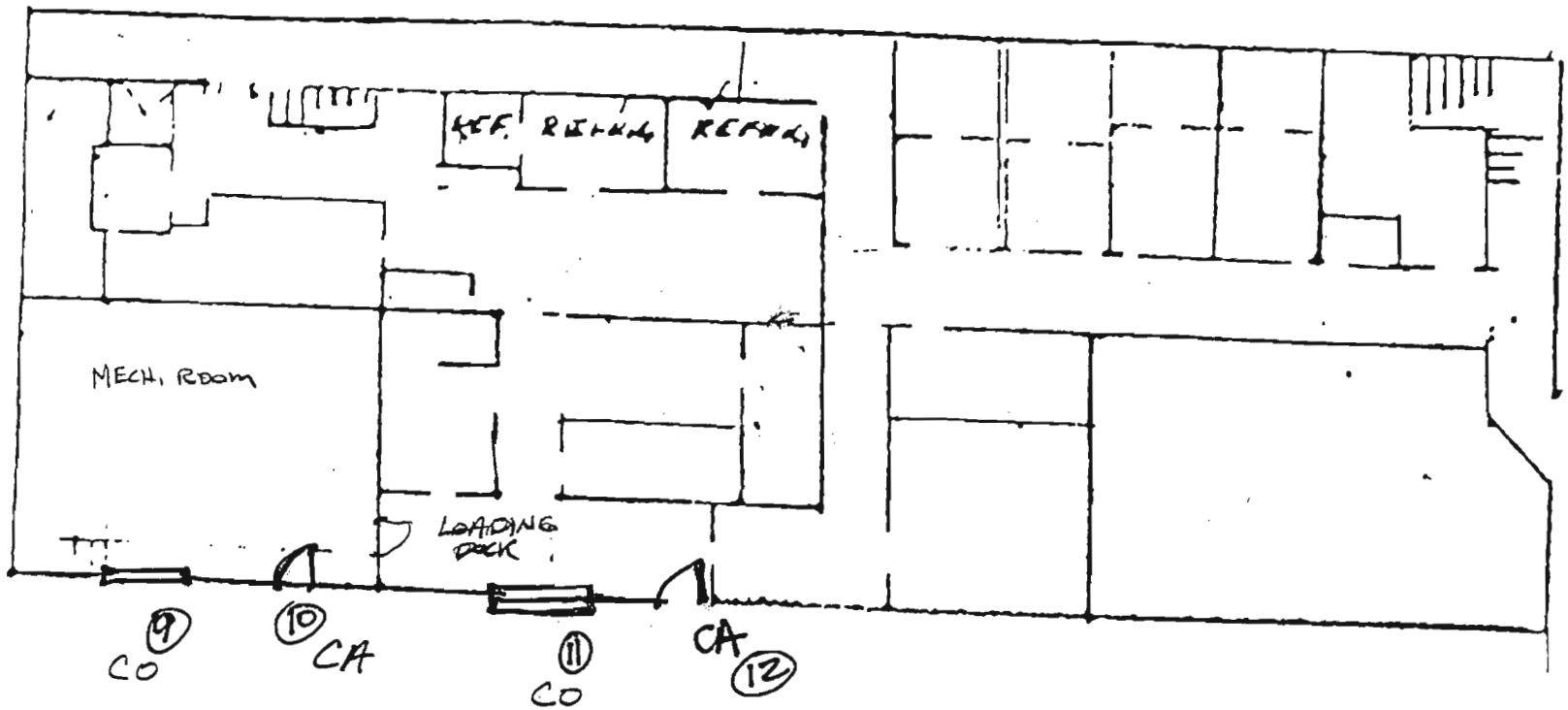

N
MACKIN -PLAYGROUP
MPG-1
MALE PUBLIC BATHROOM
RPM-1
MACKIN PLAYGROUP KITCHEN AND STORAGE
MPG-1A
PIANO ROOM
PIA-1
JANITOR STORAGE ROOM
JSR-1
PHONES
TEL-1
STAIRS
STA-1C
VESTIBULE
VES-1
MAIN DESK
MDK-1
DIRECTORS OFFICE
DOF-1
CLOSET
DOF-1A
HALLWAY
HAL-1
LOBBY
LOB-1
RECREATION ROOM
REC-1
JANITOR CLOSET
JCL-1
REFRIGERATOR STORAGE ROOM
RSR-1
RESTROOM VESTIBULE
RPW-1A
TOILET
RPW-1
POWDER ROOM
RPW-1B
FEMALE PUBLIC BATHROOM
MAIN LOUNGE
LOU-1C
STA-1N
MACKIN HALL - 1ST FLOOR
BUILDING # 15 STAGE I
MACKIN 1ST FLOOR



MACKIN

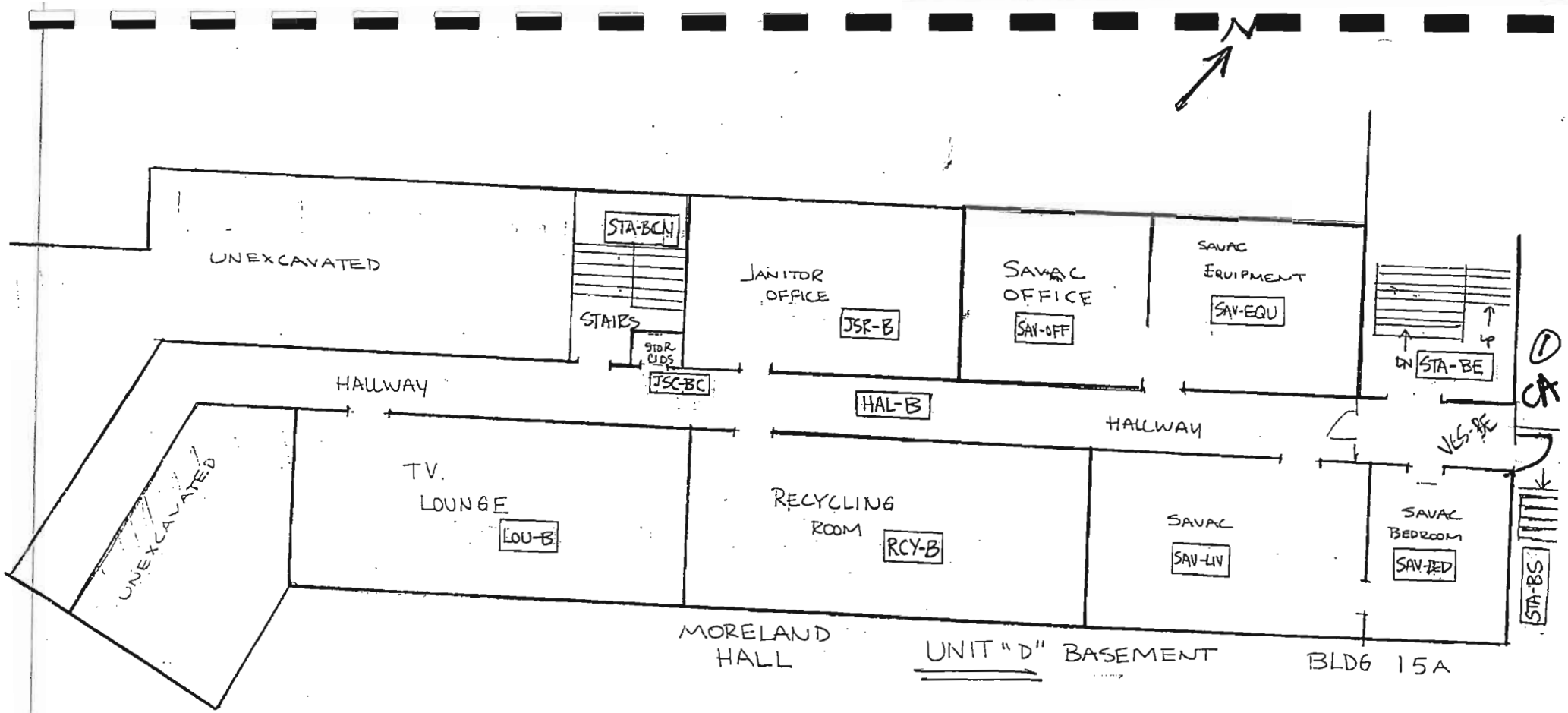
GROUND FLOOR

N



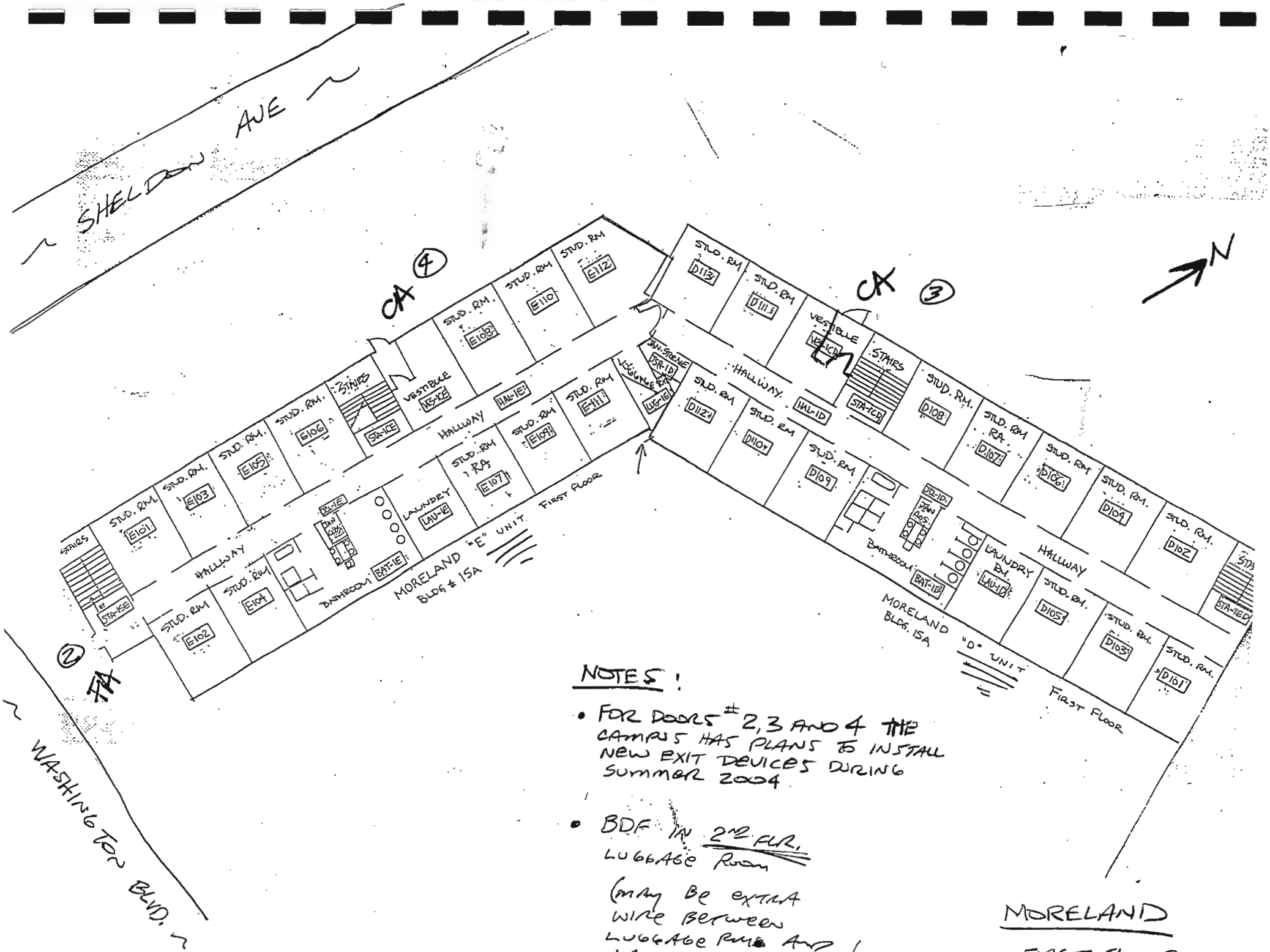
MACKIN
BASEMENT

→ N



MORELAND
BSMT.
UNIT "D"

WASHINGTON BLVD.

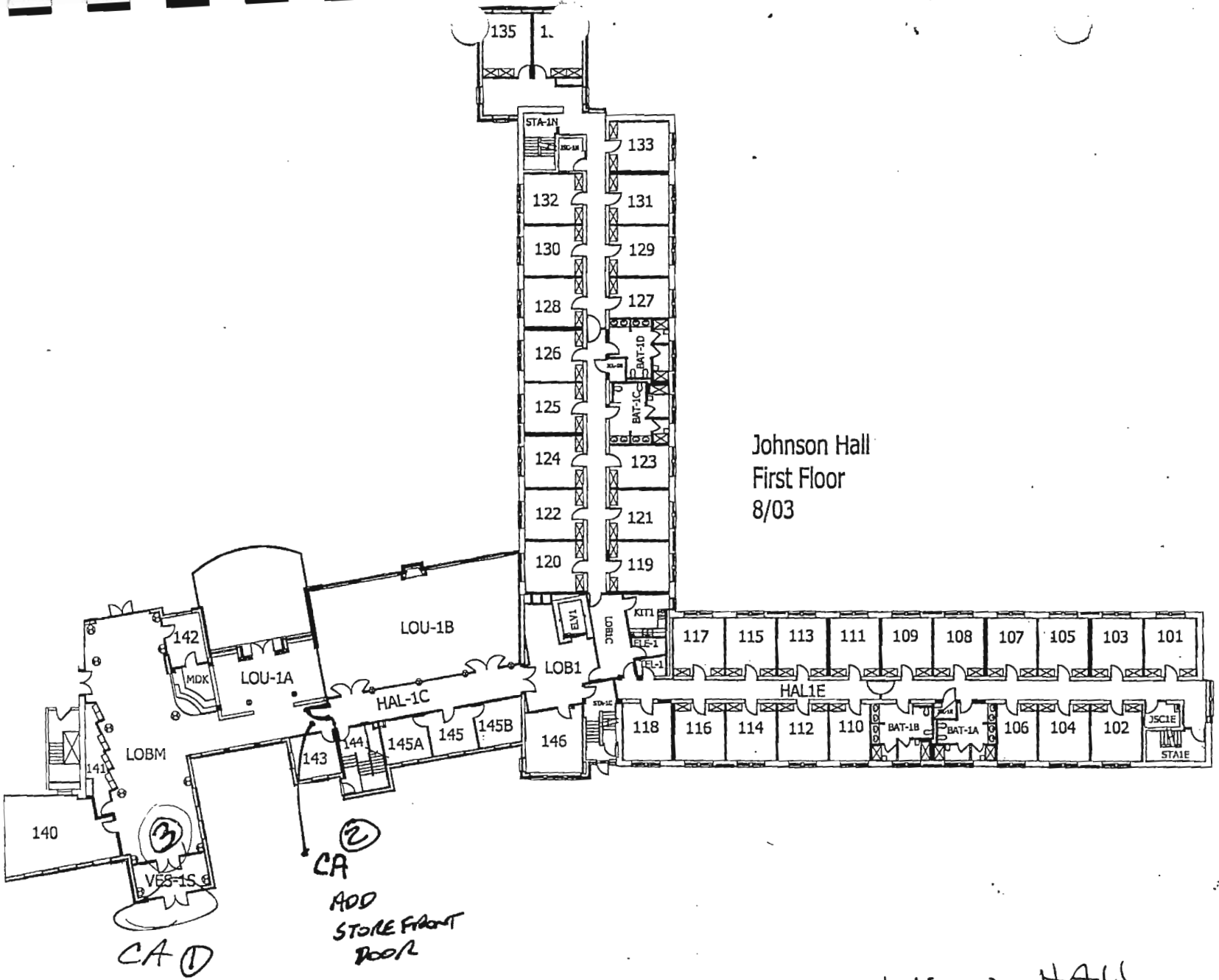


NOTES:

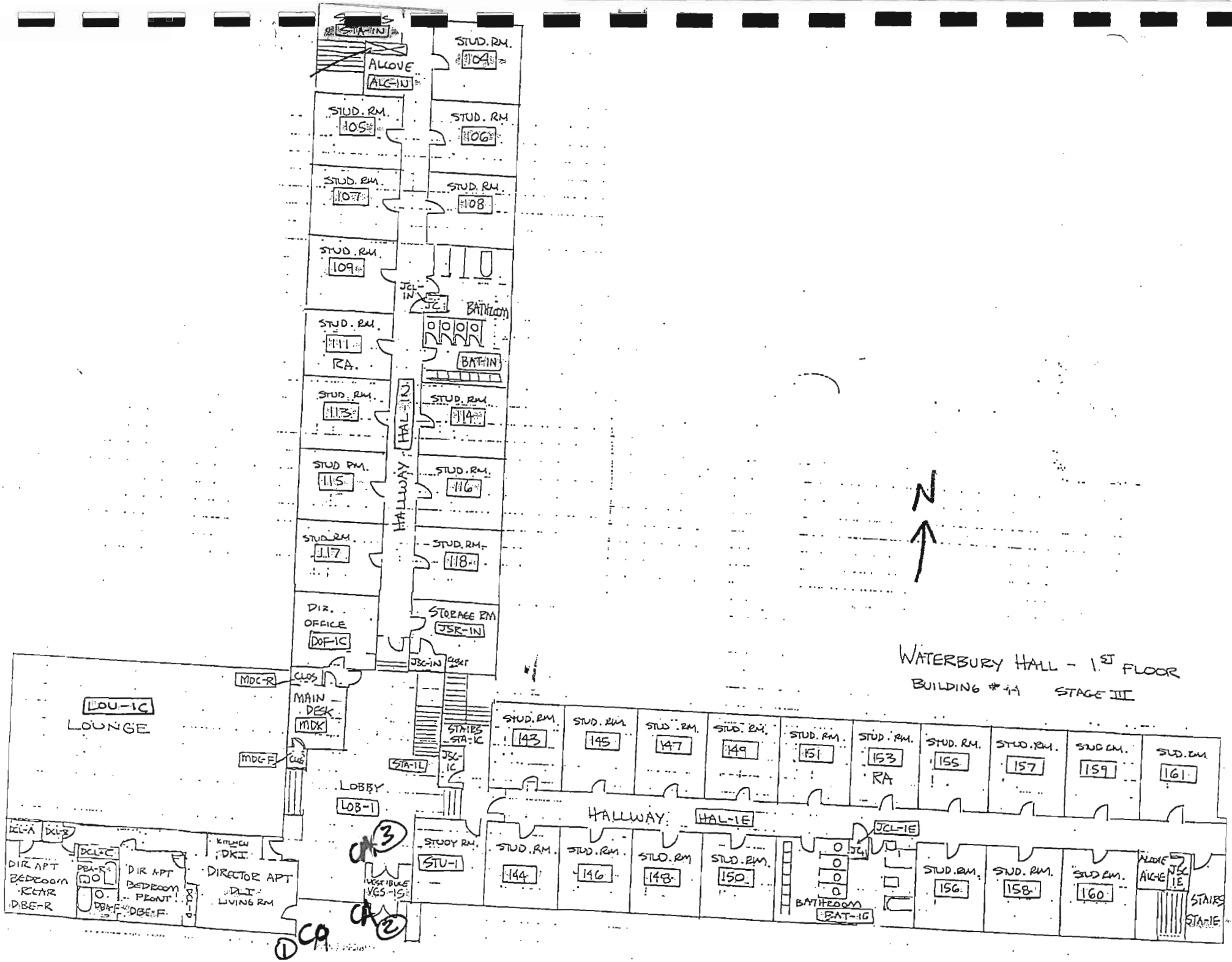
- FOR DOORS # 2, 3 AND 4 THE CAMPUS HAS PLANS TO INSTALL NEW EXIT DEVICES DURING SUMMER 2004
- BDF IN 2ND FLR. LUGGAGE ROOM (MAY BE EXTRA WIRE BETWEEN LUGGAGE RMS AND JANITOR CLOSETS).

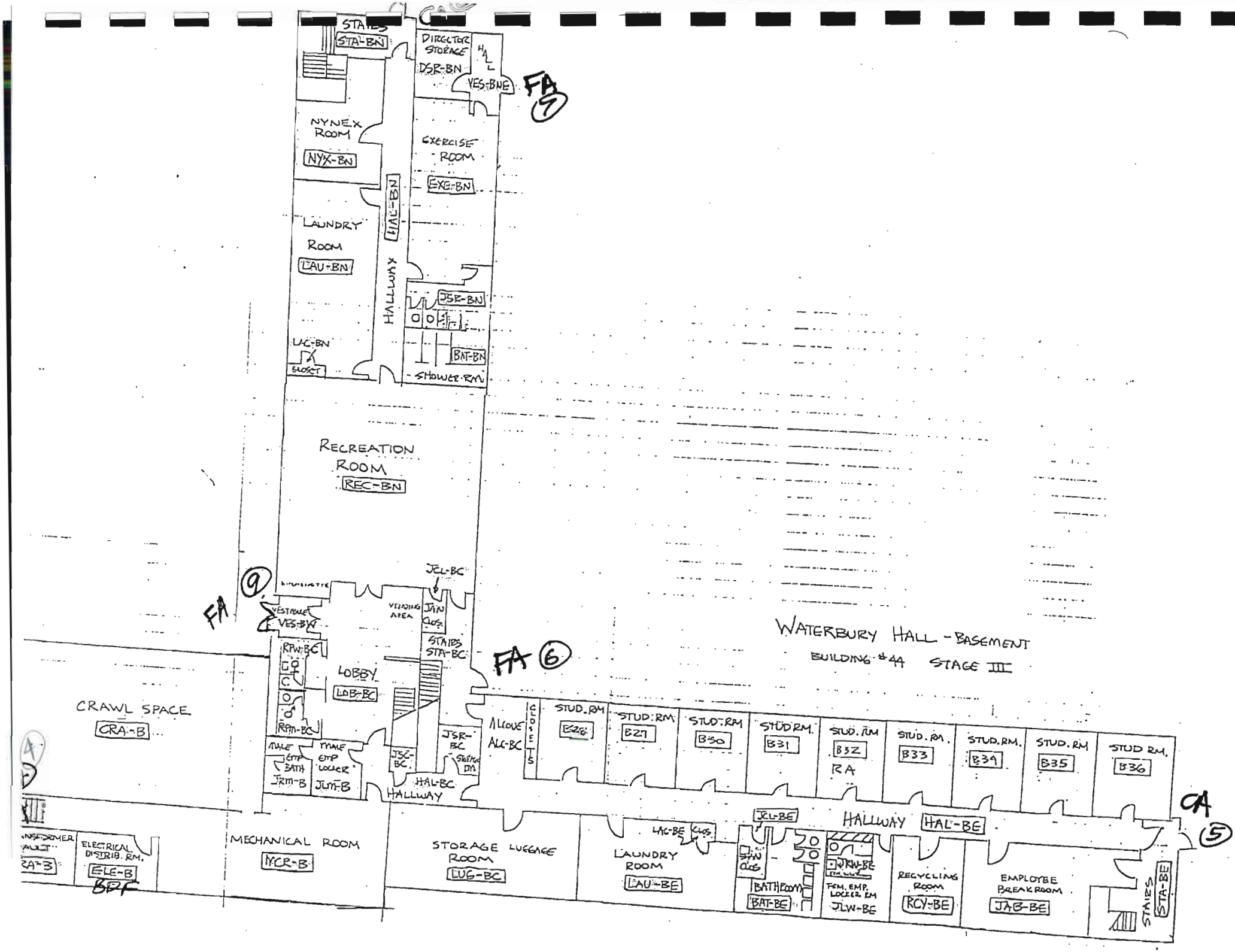
MORELAND

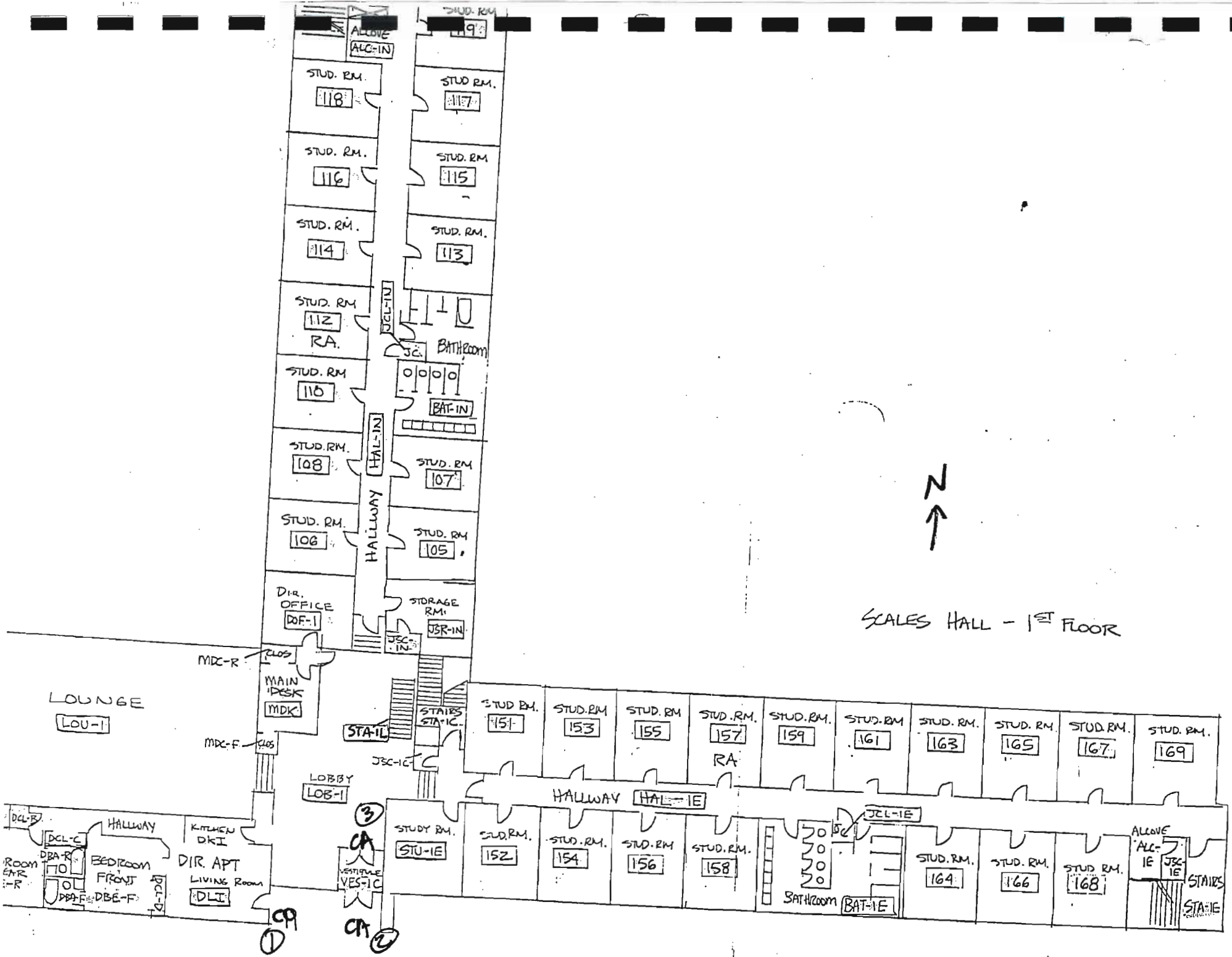
FIRST FLOOR

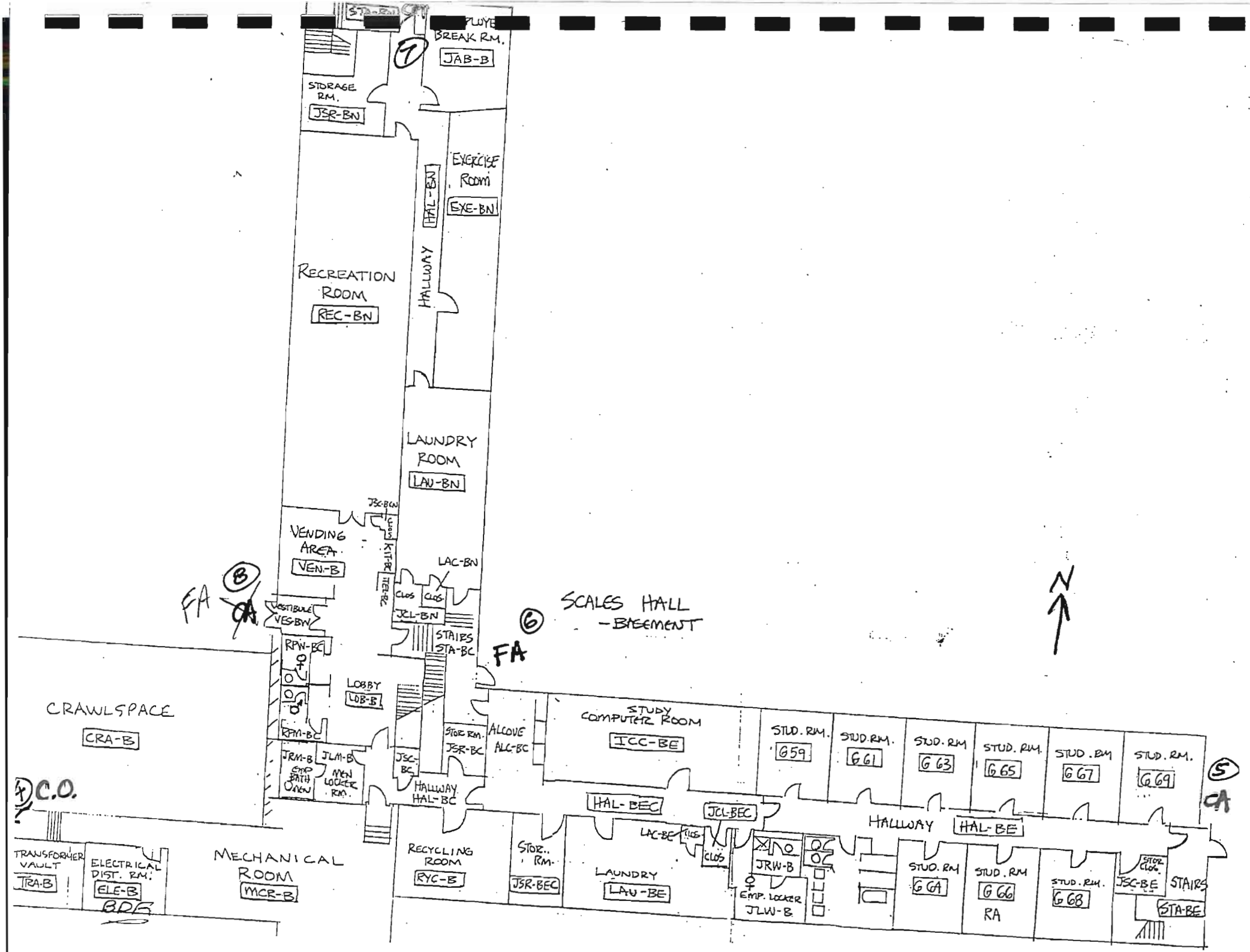


JOHNSON HALL
1ST FLR.

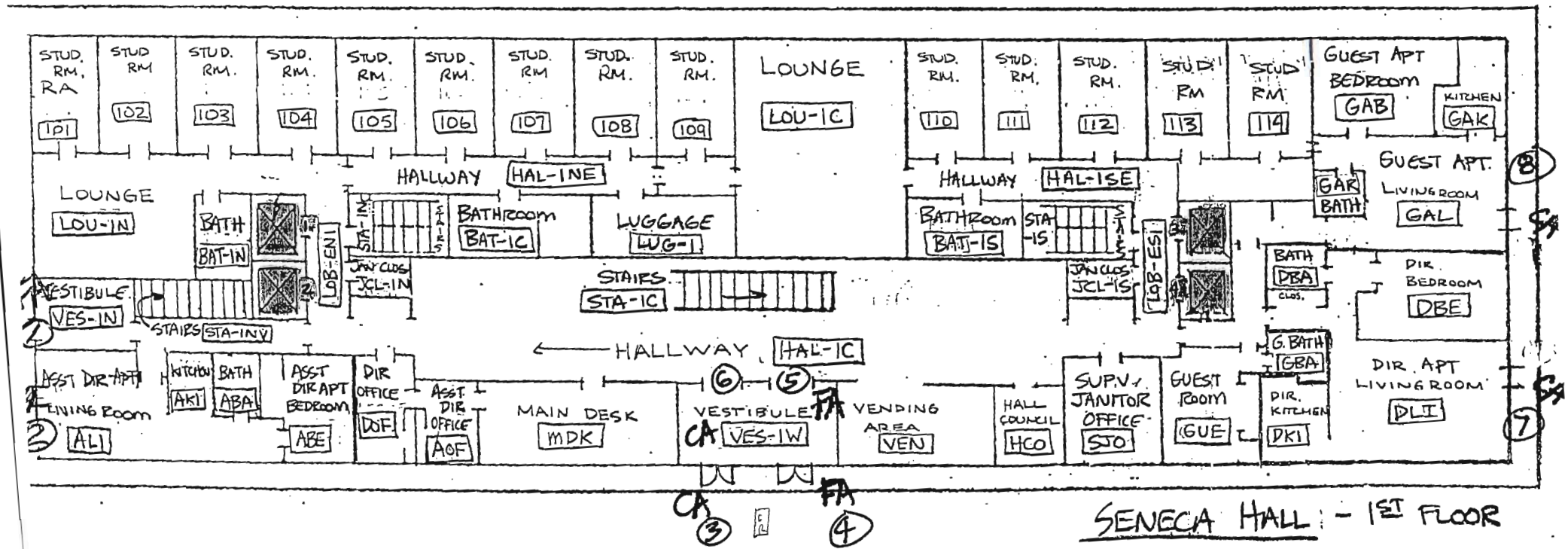

STA-IN
ALCOVE
ALC-IN
STUD. RM. 104
STUD. RM. 105
STUD. RM. 106
STUD. RM. 107
STUD. RM. 108
STUD. RM. 109
JCL-IC
BATHROOM
BAT-IN
STUD. RM. 111
RA.
STUD. RM. 113
STUD. RM. 114
HAL-IN
HALLWAY
STUD. RM. 115
STUD. RM. 116
STUD. RM. 117
STUD. RM. 118
DIR. OFFICE
DOF-IC
STORAGE RM
JSR-IN
JSC-IN
CLOSET
MDC-RI
CLOS
MAIN DESK
MDK
MDC-FI
CLOS
LOU-IC
LOUNGE
STA-IL
STAIRS STA-IC
JSC-IC
LOBBY
LOB-1
STUD. RM. 143
STUD. RM. 145
STUD. RM. 147
STUD. RM. 149
STUD. RM. 151
STUD. RM. 153
RA
STUD. RM. 155
STUD. RM. 157
STUD. RM. 159
STUD. RM. 161
HALLWAY
HAL-1E
JCL-1E
DCL-A
DCL-B
DCL-C
DIR APT BEDROOM REAR
DBE-R
DBA-R
DIR APT BEDROOM FRONT
DBE-F
DBA-F
DCL-D
KITCHEN
DKI
DIRECTOR APT
DLI
LIVING RM
STUDY RM.
STU-1
VESTIBULE
VGS-1S
STUD. RM. 144
STUD. RM. 146
STUD. RM. 148
STUD. RM. 150
BATHROOM
BAT-1G
STUD. RM. 156
STUD. RM. 158
STUD. RM. 160
ALCOVE
ALC-1E
JSC-1E
STAIRS
STA-1E
N
WATERBURY HALL - 1ST FLOOR
BUILDING #44 STAGE III


STAIRS
STA-BN
DIRECTOR STORAGE
DSR-BN
HALL
VES-BNE
FA 7
NYNEX ROOM
NYX-BN
EXERCISE ROOM
EXE-BN
LAUNDRY ROOM
LAU-BN
HALLWAY
HAL-BN
DSR-BN
LAC-BN
CLOSET
BAT-BN
SHOWER RM.
RECREATION ROOM
REC-BN
JCL-BC
FA 9
VESTIBULE
VES-BW
VENDING AREA
JAN CLOS.
STAIRS
STA-BC
FA 6
RPW-BC
LOBBY
LOB-BC
RPM-BC
CRAWL SPACE
CRA-B
MALE EMP BATH
JRM-B
FEMALE EMP LOCKER
JLM-B
JSC-BC
JSR-BC
SPRINKLER DN
HAL-BC
HALLWAY
ALCOVE
ALC-BC
CLOSETS
STUD. RM B26
STUD. RM B27
STUD. RM B30
STUD. RM B31
STUD. RM B32
RA
STUD. RM B33
STUD. RM B34
STUD. RM B35
STUD RM. B36
WATERBURY HALL - BASEMENT
BUILDING #44 STAGE III
TRANSFORMER VAULT
TRA-B
ELECTRICAL DISTRIB. RM.
ELE-B
MECHANICAL ROOM
MCR-B
STORAGE LUGGAGE ROOM
LUG-BC
LAC-BE
CLOS.
LAUNDRY ROOM
LAU-BE
JCL-BE
HALLWAY
HAL-BE
BATHROOM
BAT-BE
RPW-BE
FEM. EMP. LOCKER RM
JLW-BE
RECYCLING ROOM
RCY-BE
EMPLOYEE BREAK ROOM
JAB-BE
STAIRS
STA-BE
9A
5

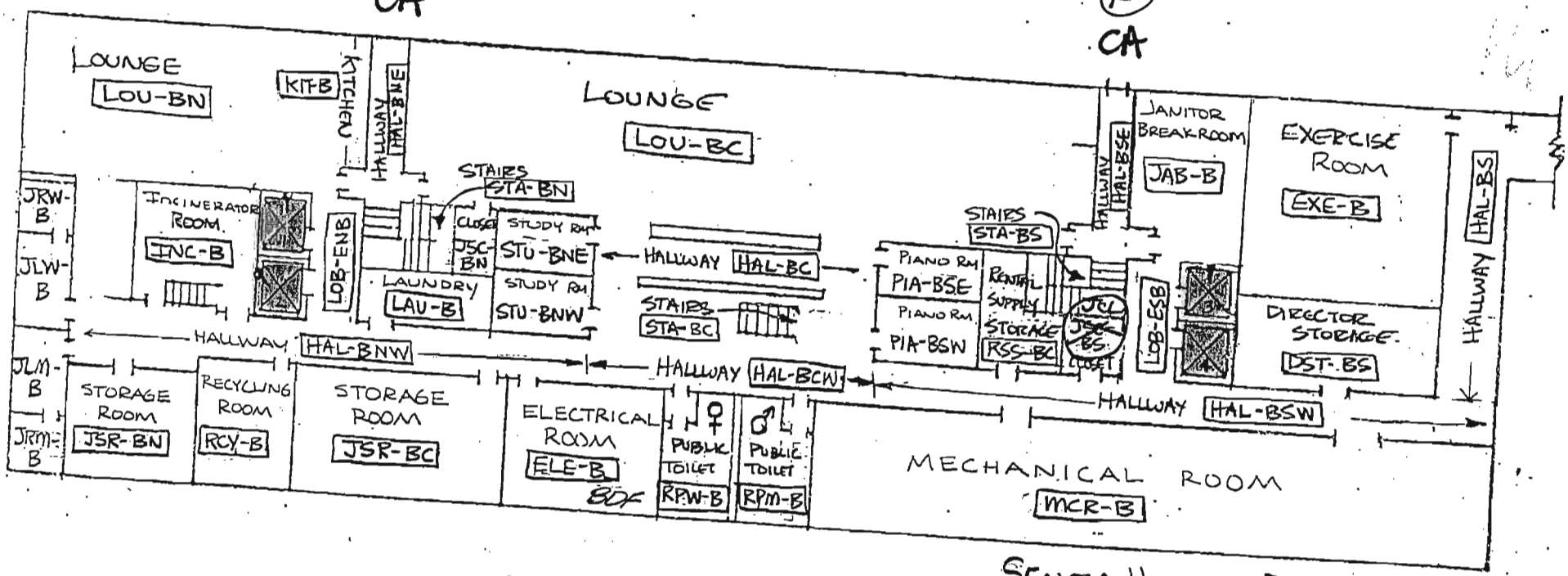

ALCOVE
ALC-IN
STUD. RM. 119
STUD. RM. 118
STUD RM. 117
STUD. RM. 116
STUD. RM. 115
STUD. RM. 114
STUD. RM. 113
STUD. RM. 112
RA.
JCL-IN
JC.
BATHROOM
BAT-IN
STUD. RM. 110
STUD. RM. 108
HAL-IN
HALLWAY
STUD. RM. 107
STUD. RM. 106
STUD. RM. 105
DIR. OFFICE
DOF-1
STORAGE RM.
JSR-IN
JSC-IN
MDC-R
CLOS
MAIN DESK
MDK
LOUNGE
LOU-1
MDC-F
CLOS
STA-IL
STAIRS
STA-IC
JSC-IC
LOBBY
LOB-1
STUD RM. 151
STUD. RM. 153
STUD. RM 155
STUD. RM. 157
RA
STUD. RM. 159
STUD. RM. 161
STUD. RM. 163
STUD. RM. 165
STUD. RM. 167
STUD. RM. 169
HALLWAY
HAL-IE
JCL-IE
DCL-R
HALLWAY
KITCHEN
DKI
DCL-C
DBA-R
BEDROOM
FRONT
DBE-F
DBA-F
DCL-D
DIR. APT
LIVING ROOM
DLI
ROOM
STR
I-R
VESTIBULE
VES-IC
STUDY RM.
STU-IE
STUD. RM. 152
STUD. RM. 154
STUD. RM. 156
STUD. RM. 158
BATHROOM
BAT-IE
STUD. RM. 164
STUD. RM. 166
STUD. RM. 168
ALCOVE
ALC-IE
JSC-IE
STAIRS
STA-IE
3
CA
CA
1
2
N
SCALES HALL - 1ST FLOOR


STA-BN
BREAK RM.
JAB-B
STORAGE RM.
JSR-BN
EXERCISE ROOM
EXE-BN
HAL-BN
HALLWAY
RECREATION ROOM
REC-BN
LAUNDRY ROOM
LAU-BN
JSC-BCN
VENDING AREA
VEN-B
KIT-BC
LAC-BN
CLOS
JCL-BN
VESTIBULE
VES-BN
STAIRS
STA-BC
RPW-BC
LOBBY
LOB-B
RPM-BC
CRAWLSPACE
CRA-B
JRM-B
JLM-B
EMP BATH
MEN LOCKER RM.
JSC-BC
HALLWAY
HAL-BC
STOR RM.
JSR-BC
ALCOVE
ALC-BC
STUDY COMPUTER ROOM
ICC-BE
STUD. RM. G59
STUD. RM. G61
STUD. RM. G63
STUD. RM. G65
STUD. RM. G67
STUD. RM. G69
HAL-BEC
JCL-BEC
HALLWAY
HAL-BE
LAC-BE
CLOS
JRW-B
EMP. LOCKER
JLW-B
STUD. RM. G64
STUD. RM. G66
RA
STUD. RM. G68
STOR. CLOS.
JSC-BE
STAIRS
STA-BE
C.O.
TRANSFORMER VAULT
TRA-B
ELECTRICAL DIST. RM.
ELE-B
MECHANICAL ROOM
MCR-B
RECYCLING ROOM
RYC-B
STOR. RM.
JSR-BEC
LAUNDRY
LAU-BE
SCALES HALL
-BASEMENT
FA
N

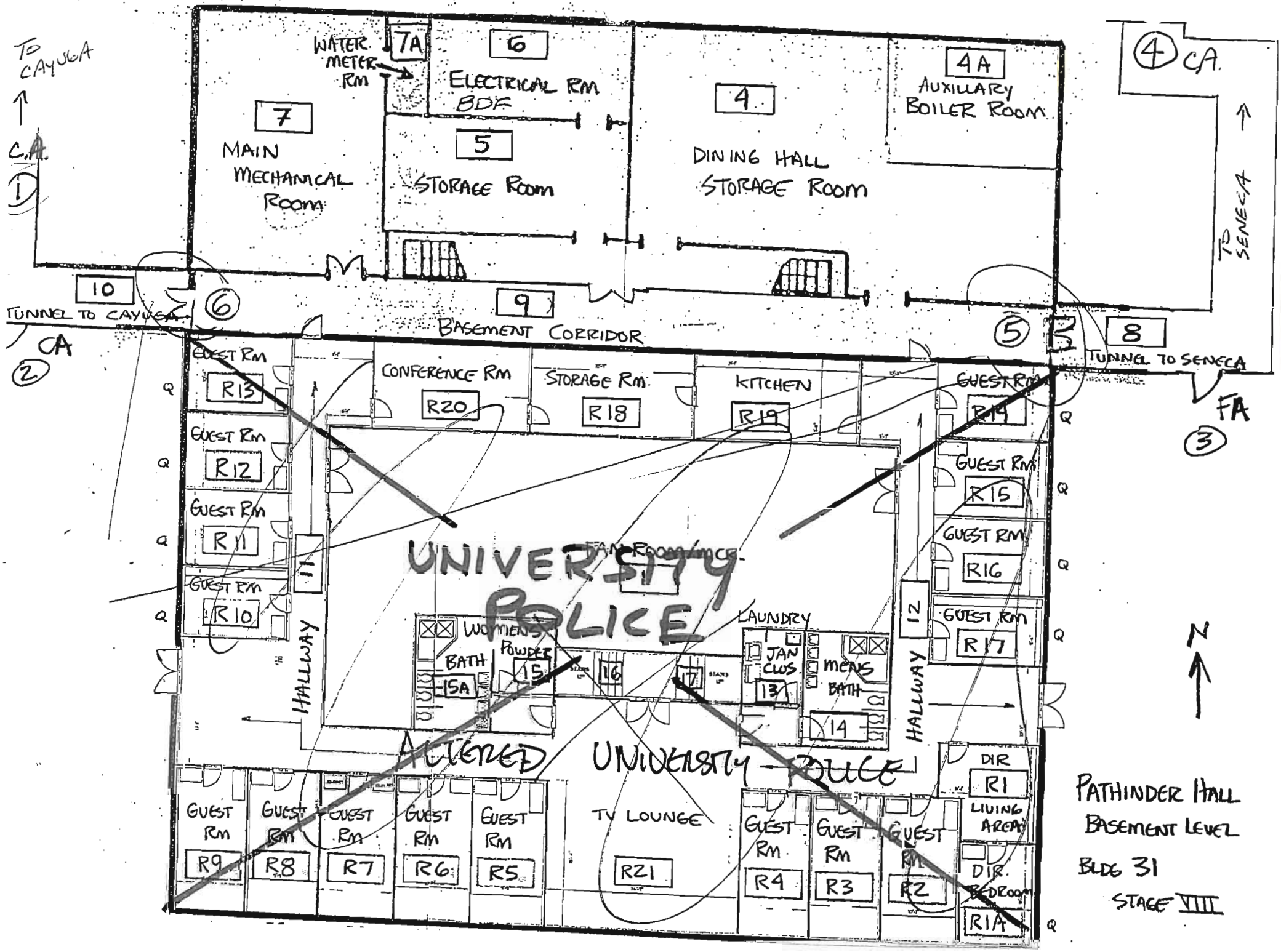
N ←



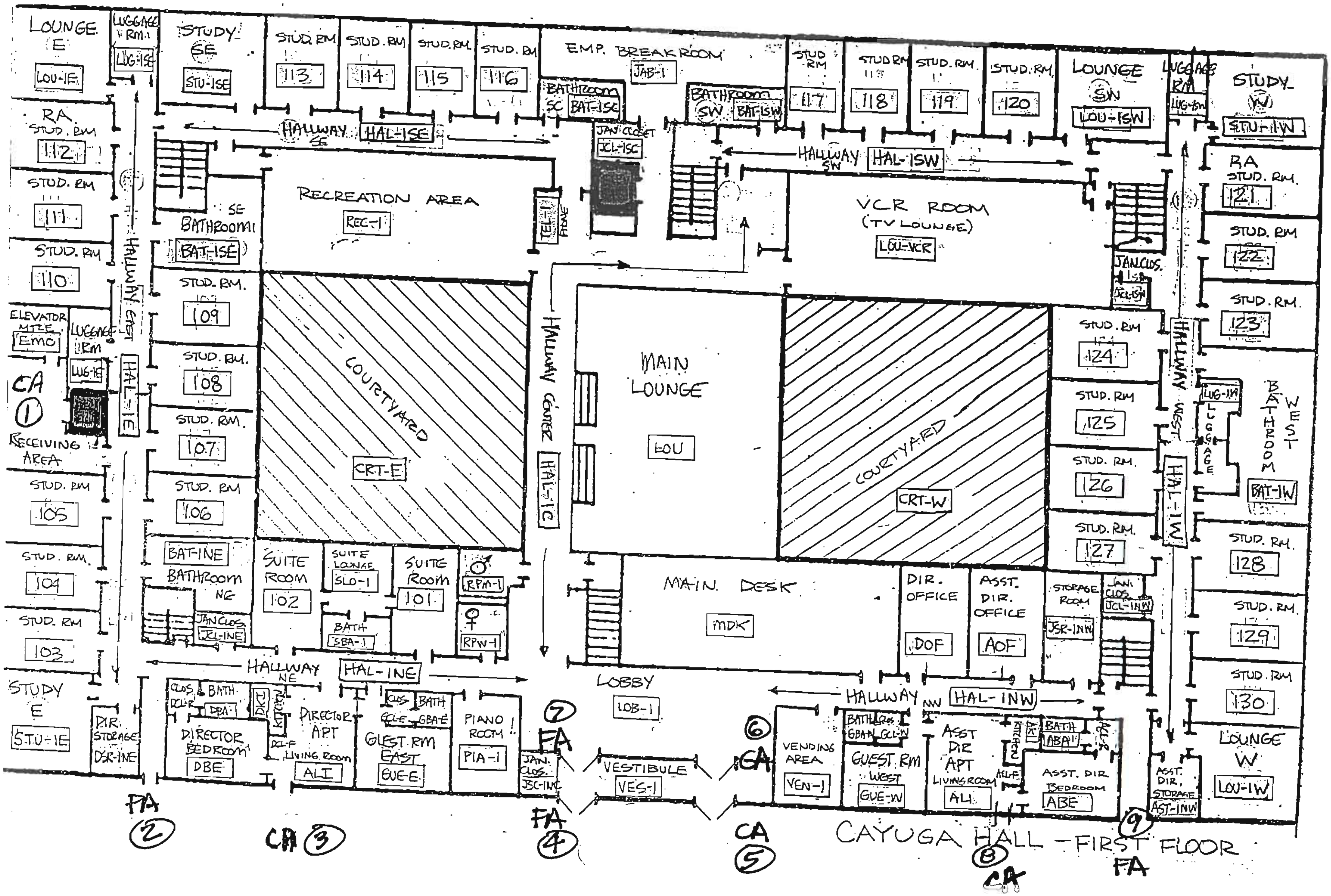
SENECA HALL - 1ST FLOOR

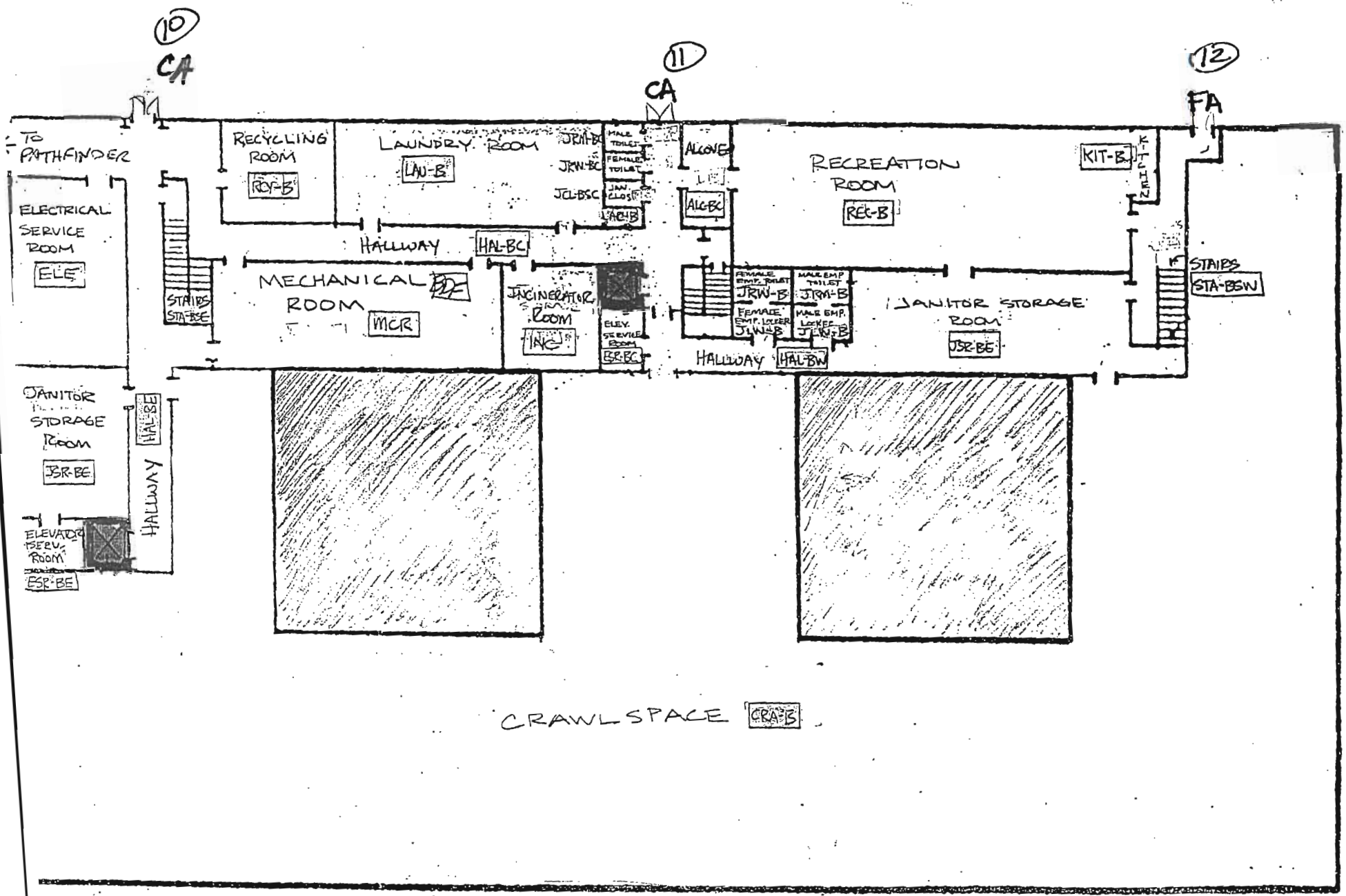


SENECA HALL - BASEMENT

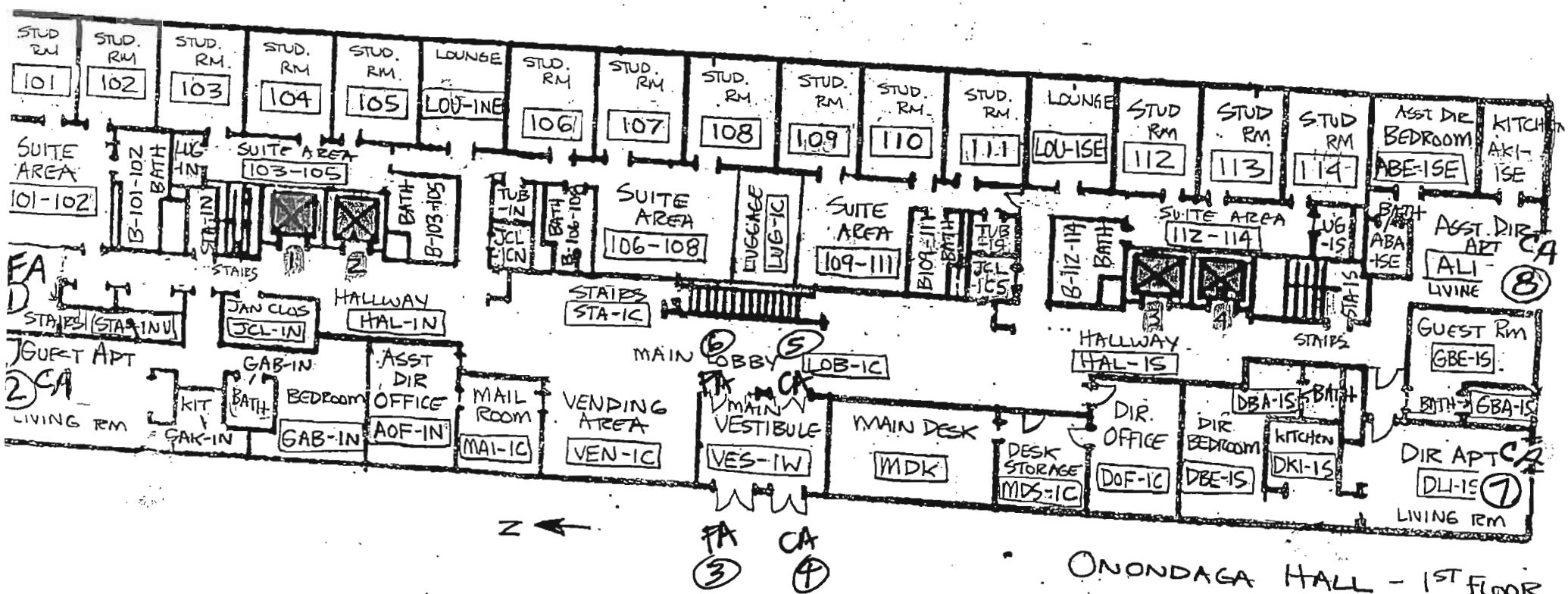


PATHINDER HALL
BASEMENT LEVEL
BLDG 31
STAGE VIII

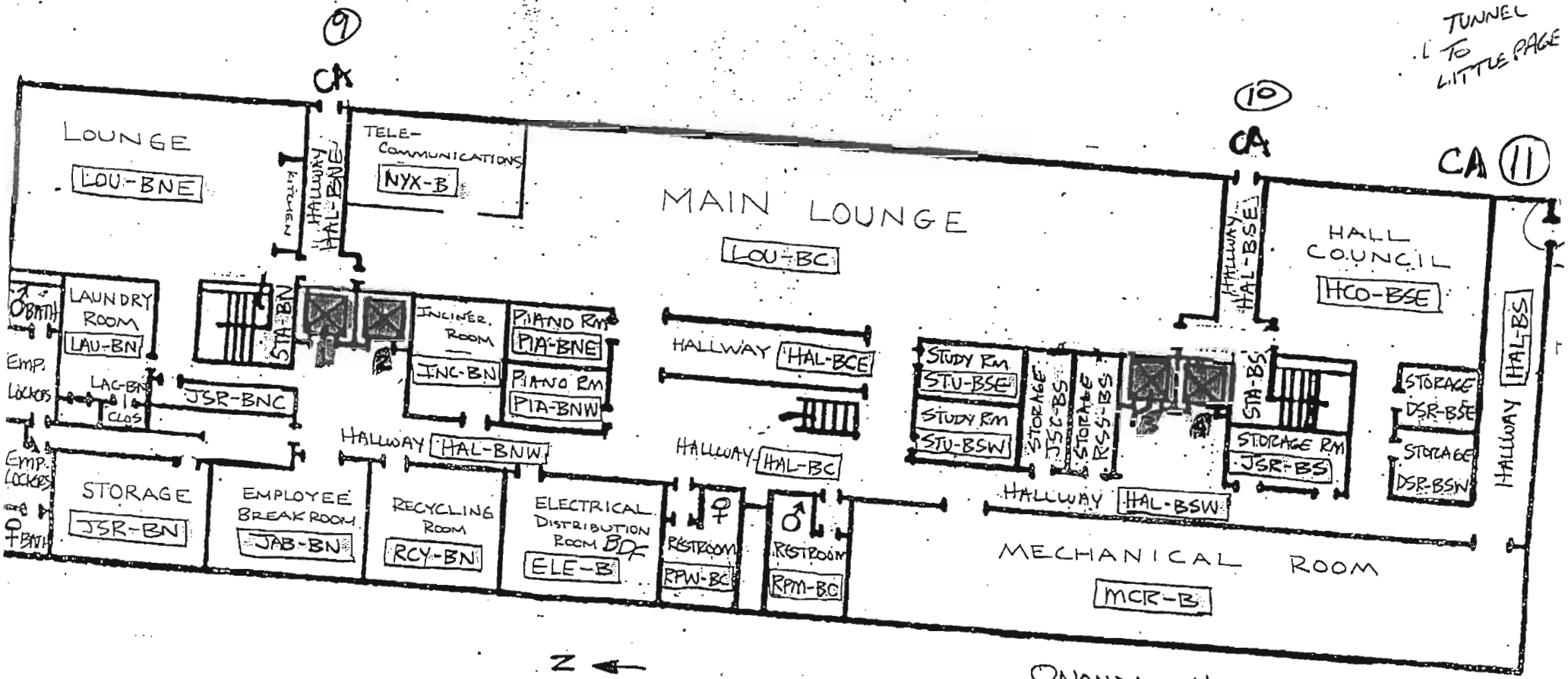

LOUNGE E
LOU-IE
LUGGAGE RM.
LUG-ISE
STUDY SE
STU-ISE
STUD. RM 113
STUD. RM 114
STUD. RM. 115
STUD. RM 116
EMP. BREAKROOM
JAB-1
BATHROOM SC
BAT-ISC
JAN. CLOSET
JCL-ISC
BATHROOM SW
BAT-ISW
STUD RM 117
STUD RM 118
STUD. RM. 119
STUD. RM 120
LOUNGE SW
LOU-ISW
LUGGAGE RM
LUG-ISW
STUDY W
STU-IW
RA STUD. RM 112
STUD. RM 111
STUD. RM 110
HALLWAY SE
HAL-ISE
SE BATHROOM
BAT-ISE
RECREATION AREA
REC-1
TEL-1
PHONE
HALLWAY SW
HAL-ISW
VCR ROOM (TV LOUNGE)
LOU-VCR
JAN. CLOS.
JCL-ISW
RA STUD. RM. 121
STUD. RM 122
STUD. RM 123
HALLWAY EAST
STUD. RM. 109
STUD. RM. 108
STUD. RM. 107
STUD. RM 106
ELEVATOR MTCE
EMO
LUGGAGE RM
LUG-IE
HAL-IE
CA 1
RECEIVING AREA
STUD. RM 105
STUD. RM. 104
STUD. RM 103
COURTYARD
CRT-E
HALLWAY CENTER
HAL-IC
MAIN LOUNGE
LOU
COURTYARD
CRT-W
STUD. RM 124
STUD. RM 125
STUD. RM. 126
STUD. RM. 127
HALLWAY WEST
HAL-IW
LUG-IW
LUGGAGE
BATHROOM WEST
BAT-IW
BAT-INE
BATHROOM NE
JAN CLOS.
JCL-INE
SUITE ROOM 102
SUITE LOUNGE
SLO-1
SUITE ROOM 101
BATH
SBA-1
RPM-1
RPW-1
MAIN DESK
MDK
DIR. OFFICE
DOF
ASST. DIR. OFFICE
AOF
STORAGE ROOM
JSR-INW
JAN. CLOS.
JCL-INW
STUD. RM. 128
STUD. RM. 129
STUD. RM 130
HALLWAY NE
HAL-INE
LOBBY
LOB-1
HALLWAY NW
HAL-INW
STUDY E
STU-IE
DIR. STORAGE
DSR-INE
CLOS. DCL-R
BATH DBA-1
DIRECTOR BEDROOM
DBE
DIRECTOR APT
LIVING ROOM
ALI
CLOS GCL-E
BATH GBA-E
GUEST RM EAST
GUE-E
PIANO ROOM
PIA-1
JAN. CLOS.
JSC-INE
7 FA
VESTIBULE
VES-1
6 CA
VENDING AREA
VEN-1
BATH GBA-W
CLOS GCL-W
GUEST RM WEST
GUE-W
ASST DIR APT
LIVING ROOM
ALI
KITCHEN
BATH ABA-1
ASST. DIR BEDROOM
ABE
ASST. DIR. STORAGE
AST-INW
LOUNGE W
LOU-IW
FA 2
CA 3
FA 4
CA 5
CA 8
FA 9
CAYUGA HALL - FIRST FLOOR



CAYUGA HALL – BASEMENT



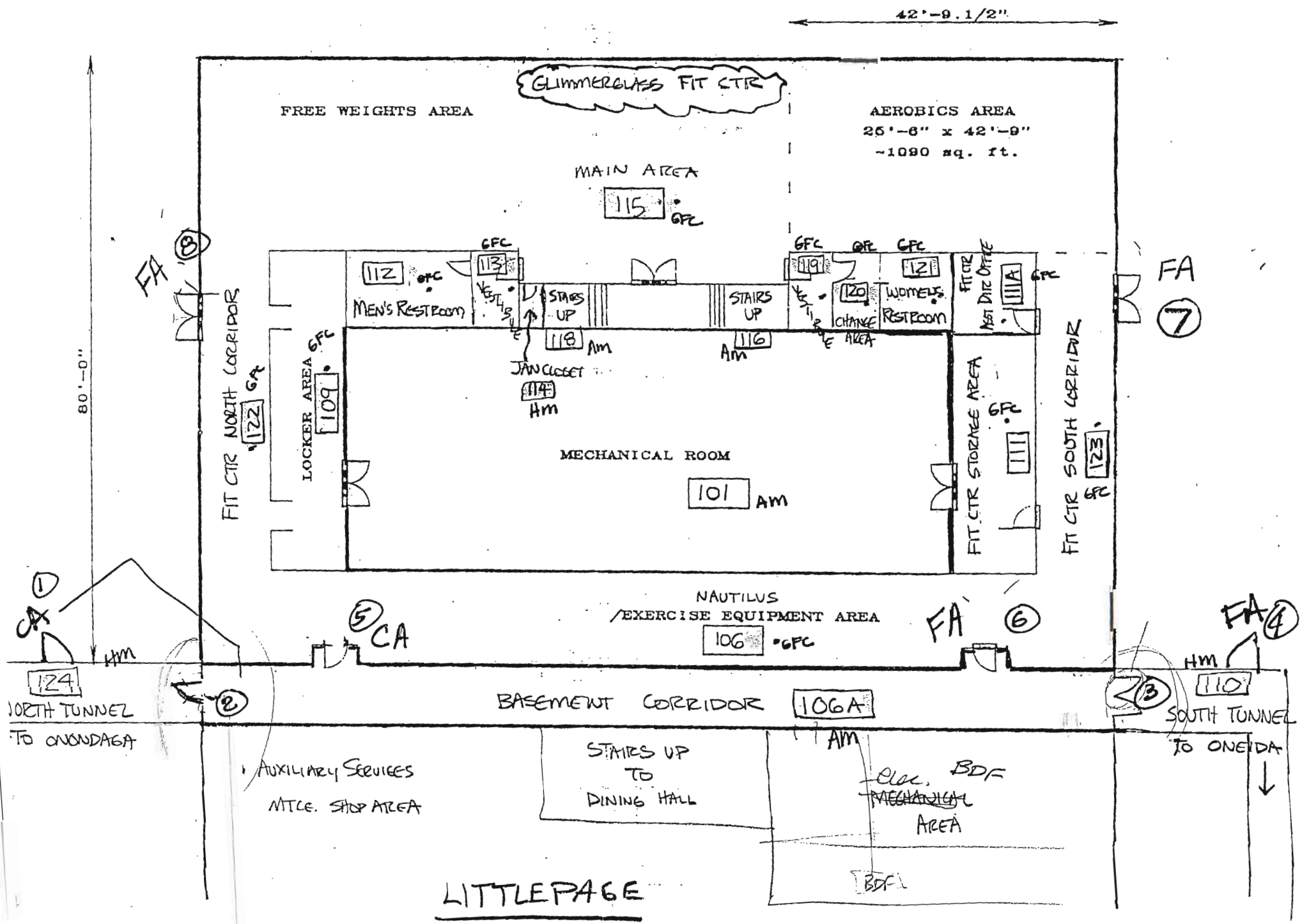
ONONDAGA HALL - 1ST FLOOR
BUILDING #34 STAGE X



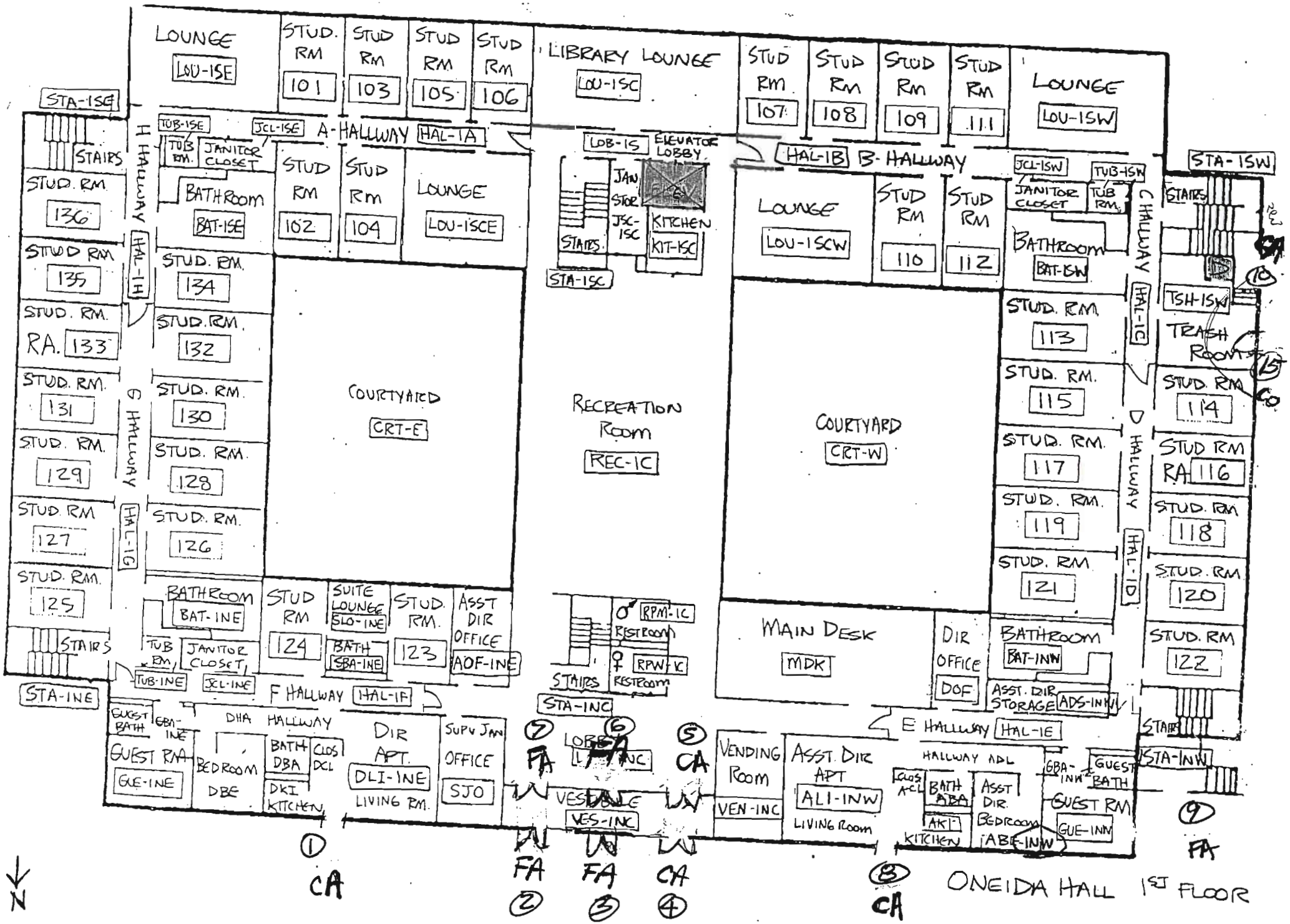
ONONDAGA HALL - BASEMENT

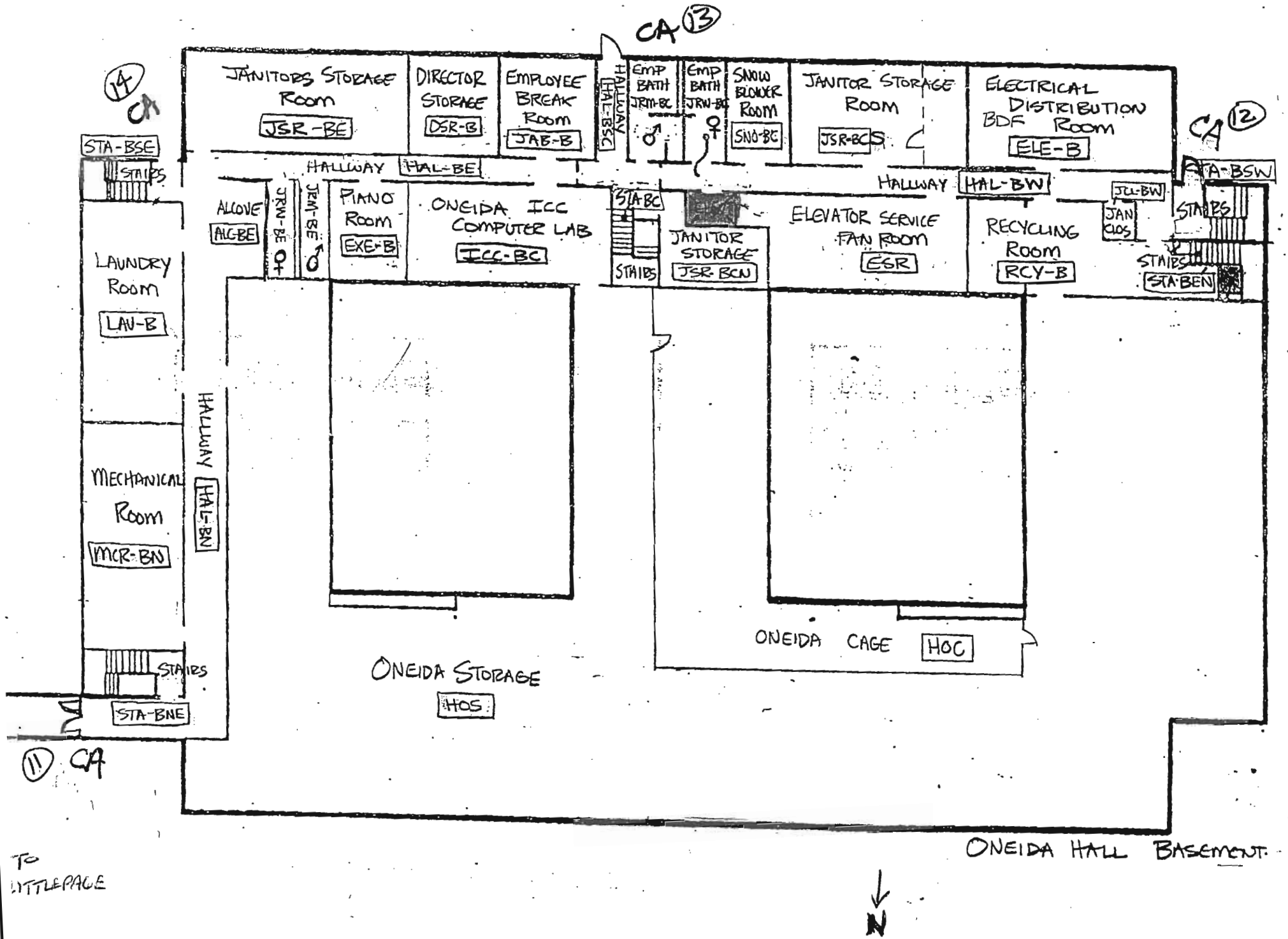
BUILDING # 3A STAGE X

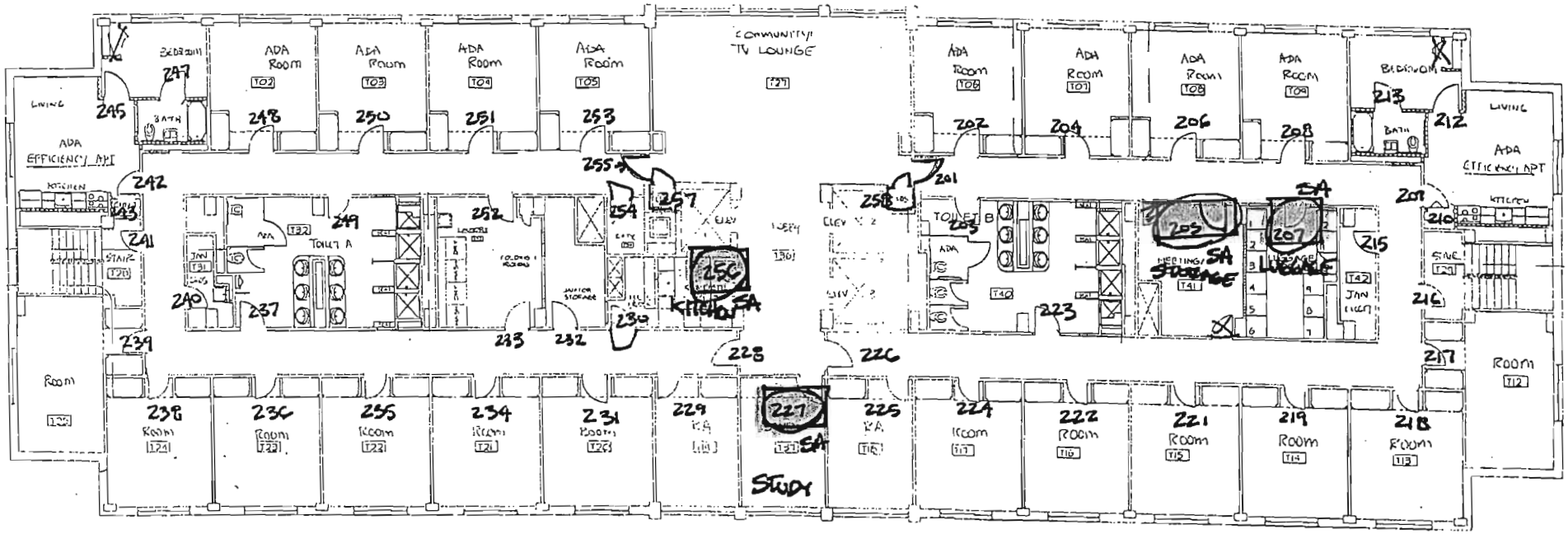
[illegible] DINING HALL BASEMENT



LITTLEPAGE


LOUNGE
LOU-1SE
STUD. RM 101
STUD RM 103
STUD RM 105
STUD RM 106
LIBRARY LOUNGE
LOU-1SC
STUD RM 107
STUD RM 108
STUD RM 109
STUD RM 111
LOUNGE
LOU-1SW
STA-1SE
TUB-1SE
JCL-1SE
A-HALLWAY
HAL-1A
LOB-1S
ELEVATOR LOBBY
HAL-1B
B-HALLWAY
JCL-1SW
TUB-1SW
STA-1SW
STAIRS
TUB RM.
JANITOR CLOSET
JANITOR CLOSET
TUB RM.
STAIRS
H HALLWAY
HAL-1H
STUD. RM 136
BATHROOM
BAT-1SE
STUD RM 102
STUD RM 104
LOUNGE
LOU-1SCE
JAN STOR
JSC-1SC
KITCHEN
KIT-1SC
STAIRS
STA-1SC
LOUNGE
LOU-1SCW
STUD RM 110
STUD RM 112
BATHROOM
BAT-1SW
C HALLWAY
HAL-1C
STUD RM 135
STUD. RM 134
STUD. RM. RA. 133
STUD. RM 132
COURTYARD
CRT-E
RECREATION ROOM
REC-1C
COURTYARD
CRT-W
STUD. RM 113
TSH-1SW
TRASH ROOM
STUD. RM 115
STUD. RM 114
STUD. RM 131
STUD. RM 130
STUD. RM 129
STUD. RM 128
STUD. RM 117
STUD RM RA 116
D HALLWAY
HAL-1D
STUD RM 127
STUD. RM 126
STUD. RM 119
STUD. RM 118
STUD. RM 125
STUD. RM 121
STUD. RM 120
BATHROOM
BAT-1NE
STUD RM 124
SUITE LOUNGE
SLO-1NE
STUD. RM. 123
ASST DIR OFFICE
AOF-1NE
RPM-1C
RESTROOM
RPW-1C
RESTROOM
MAIN DESK
MDK
DIR OFFICE
DOF
BATHROOM
BAT-1NW
STUD. RM 122
STAIRS
TUB RM.
JANITOR CLOSET
TUB-1NE
JCL-1NE
STAIRS
STA-1NE
F HALLWAY
HAL-1F
STAIRS
STA-1NC
ASST. DIR STORAGE
ADS-1NW
E HALLWAY
HAL-1E
GUEST BATH
GBA-1NE
DHA HALLWAY
DIR APT.
SUPV JAN OFFICE
LOBBY
1NC
VENDING ROOM
ASST DIR APT
HALLWAY ADL
GBA-1NW
GUEST BATH
STA-1NW
GUEST RM
GUE-1NE
BEDROOM
DBE
BATH DBA
CLOS DCL
DKI KITCHEN
DLI-1NE
LIVING RM.
SJO
VESTIBULE
VES-1NC
VEN-1NC
ALI-1NW
LIVING ROOM
CLOS ACL
BATH ABA
AKI KITCHEN
ASST DIR. BEDROOM
ABE-1NW
GUE-1NW
GUEST RM
FA
CA
N
ONEIDA HALL 1ST FLOOR


CA 13
14 CA
12 CA
11 CA
JANITORS STORAGE ROOM
JSR-BE
DIRECTOR STORAGE
DSR-B
EMPLOYEE BREAK ROOM
JAB-B
HALLWAY
HAL-BSC
EMP BATH
JRM-BC
EMP BATH
JRW-BC
SNOW BLOWER ROOM
SNO-BC
JANITOR STORAGE ROOM
JSR-BCS
ELECTRICAL DISTRIBUTION BDF ROOM
ELE-B
STA-BSE
STAIRS
HALLWAY
HAL-BE
HALLWAY
HAL-BW
STA-BSW
ALCOVE
ALC-BE
JRW-BE
JRM-BE
PIANO ROOM
EXE-B
ONEIDA ICC COMPUTER LAB
ICC-BC
STA-BC
STAIRS
JANITOR STORAGE
JSR-BCN
ELEVATOR SERVICE FAN ROOM
ESR
RECYCLING ROOM
RCY-B
JCL-BW
JAN CLOS
STAIRS
STAIRS
STA-BEN
LAUNDRY ROOM
LAU-B
HALLWAY
HAL-BN
MECHANICAL ROOM
MCR-BN
ONEIDA CAGE
HOC
ONEIDA STORAGE
HOS
STAIRS
STA-BNE
TO LITTLEPAGE
ONEIDA HALL BASEMENT
N



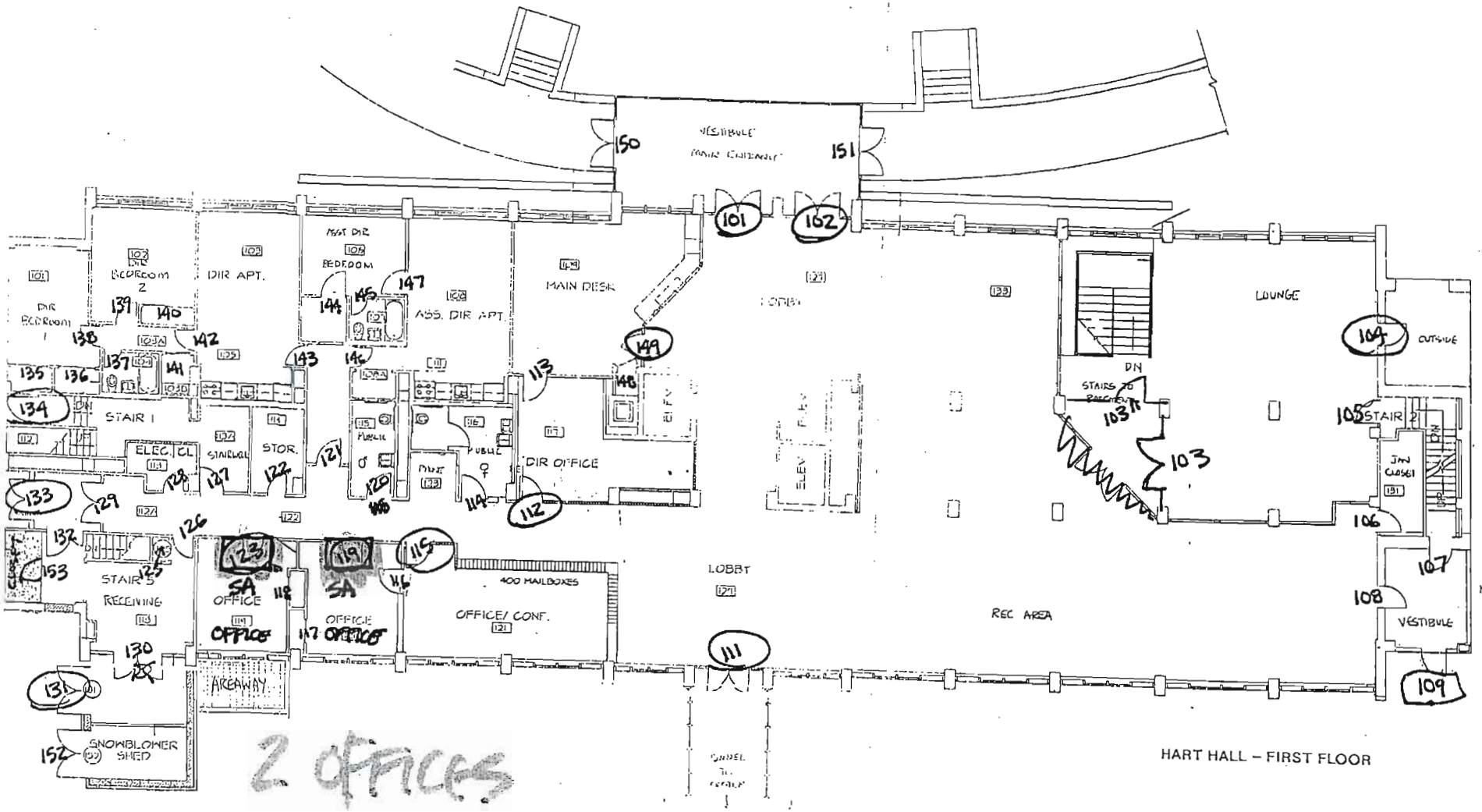
HART HALL – 2 & 3 ADA FLOORS

TYPICAL 4 – 9 FLOORS

(4) EACH FLOOR UPPER

STUDY, KITCHEN

STORAGE, LUGGAGE



2 OFFICES

	HW	SA
Floor 1	11	2
Floor B	2	0
Floor 2-9	0	32
Total	13	34

34 STANDALONES

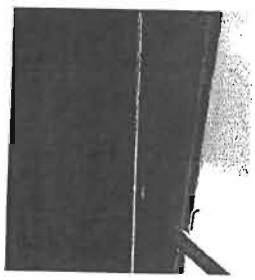
○ = HARDWIRED

□ SA = STAND ALONE BATTERY

CARD ACCESS
HART HALL

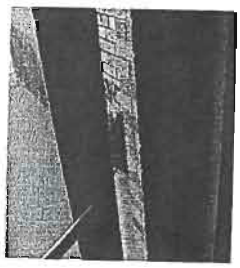
OSWEGO
STATE UNIVERSITY OF NEW YORK

DOORS: LONIS HALL
ACCESS CONTROL FEASIBILITY



Lonis Hall Door 1

Lonis Hall Door 2



Lonis Hall Door 3

Lonis Hall Door 4

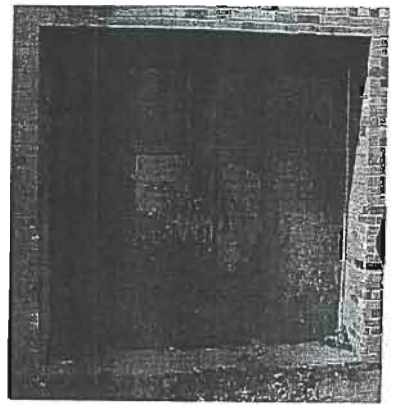
Appendix No. 4

OSWEGO
STATE UNIVERSITY OF NEW YORK

DOORS: MAKIN DINING CENTER ACCESS CONTROL FEASIBILITY

Makin Dining Center Door 1

Makin Dining Center Door 4-7



Makin Dining Center Door 9

Makin Dining Center Door 10

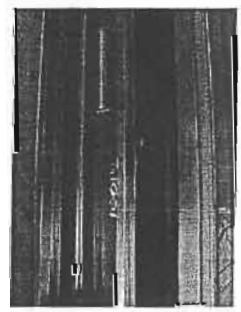
Makin Dining Center Door 12

OSWEGO
STATE UNIVERSITY OF NEW YORK

DOORS: MORELAND HALL ACCESS CONTROL FEASIBILITY

Moreland Hall Door 1

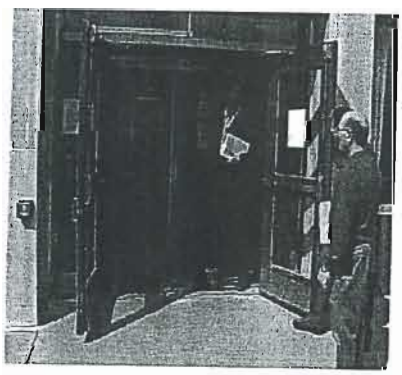
Moreland Hall Door 3



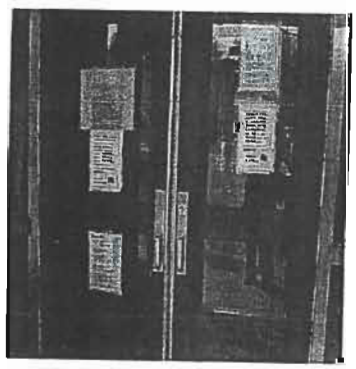
Moreland Hall Door 4

OSWEGO
STATE UNIVERSITY OF NEW YORK

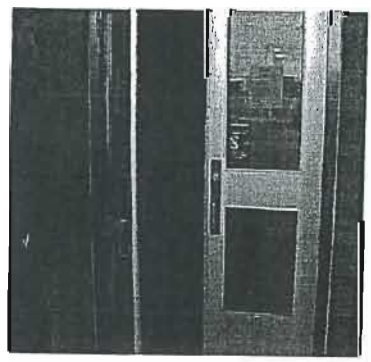
DOORS: FUNNELLE HALL ACCESS CONTROL FEASIBILITY



Funnelle Hall Door 4



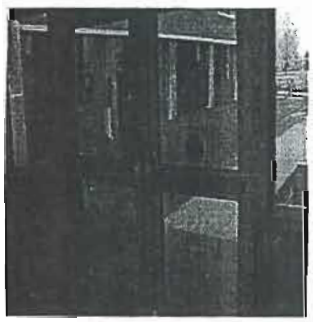
Funnelle Hall Door 5



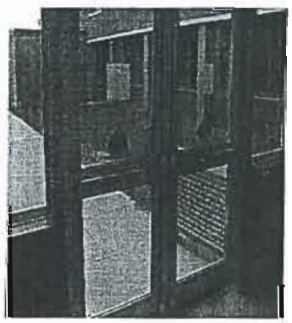
Funnelle Hall Door 7

OSWEGO
STATE UNIVERSITY OF NEW YORK

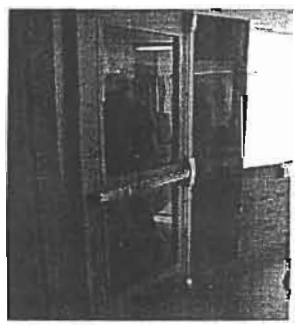
DOORS: COOPER DINING HALL ACCESS CONTROL FEASIBILITY



Cooper Dining Hall Door 1



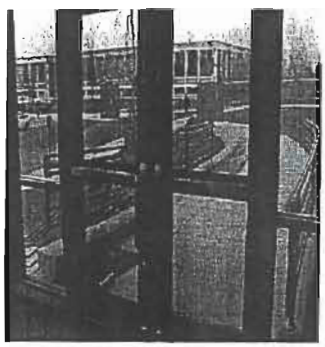
Cooper Dining Hall Door 2



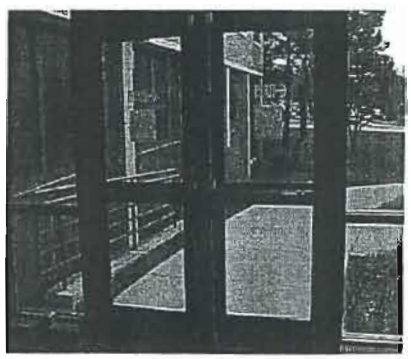
Cooper Dining Hall Door 3

OSWEGO
STATE UNIVERSITY OF NEW YORK

DOORS: HART HALL
ACCESS CONTROL FEASIBILITY



Hart Residence Hall Door 7



Hart Residence Hall Door 10

OSWEGO
STATE UNIVERSITY OF NEW YORK

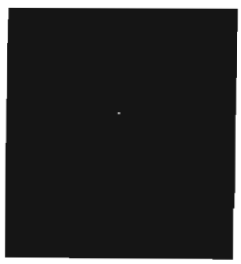
DOORS: SENECA HALL
ACCESS CONTROL FEASIBILITY

Seneca Hall Door 2
(apartment)

Seneca Hall Door 7

Seneca Hall Door 8

Seneca Hall Door 9



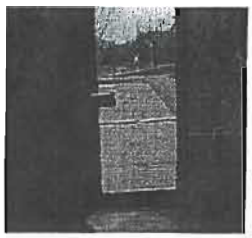
Seneca Hall
Door 10

Seneca Hall Door 34

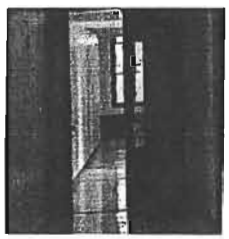
Seneca Hall Door 56

OSWEGO
STATE UNIVERSITY OF NEW YORK

DOORS: PATHFINDER DINING CENTER ACCESS CONTROL FEASIBILITY



Pathfinder Dining Center
Door 2

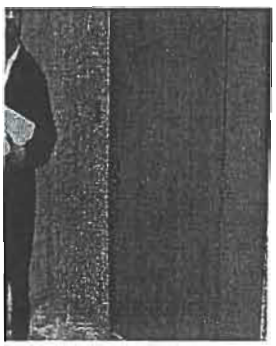


Pathfinder Dining Center
Door 5

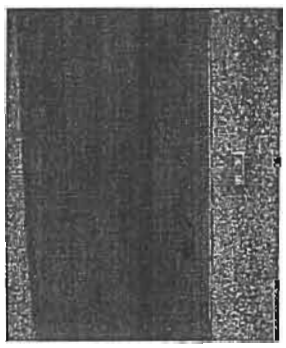
Pathfinder Dining Center
Door 6

OSWEGO
STATE UNIVERSITY OF NEW YORK

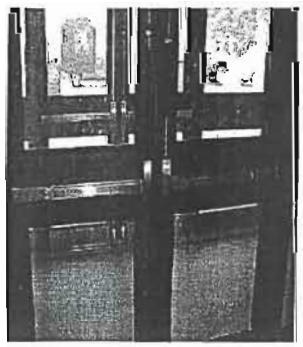
DOORS: CAYUGA HALL
ACCESS CONTROL FEASIBILITY



Cayuga Hall Door 1

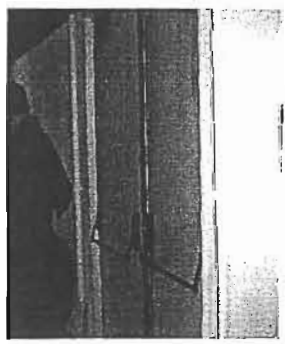


Cayuga Hall Door 3

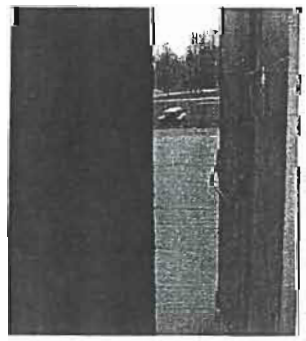


Cayuga Hall Doors 4-5

Cayuga Hall Doors 6-7



Cayuga Hall Door 10

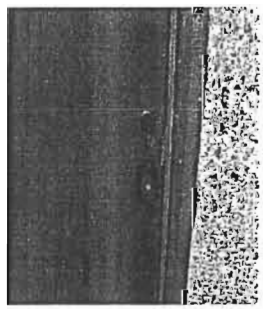


Cayuga Hall Door 11

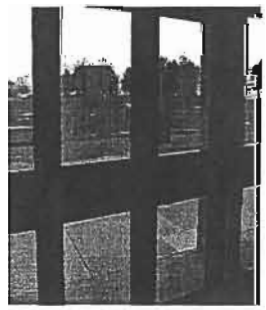
OSWEGO
STATE UNIVERSITY OF NEW YORK

DOORS: ONONDAGA HALL ACCESS CONTROL FEASIBILITY

Onondaga Hall Door 1



Onondaga Door 2

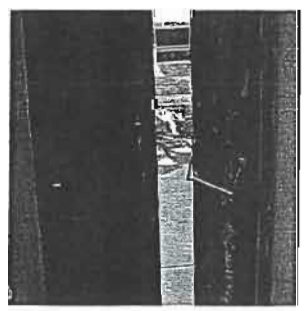


Onondaga Hall Door 3-4

Onondaga Hall 5-6

Onondaga Hall Door 7

Onondaga Hall Door 8



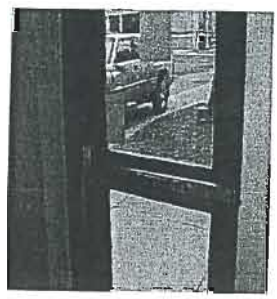
Onondaga Hall Door 9

Onondaga Hall Door 10

OSWEGO
STATE UNIVERSITY OF NEW YORK

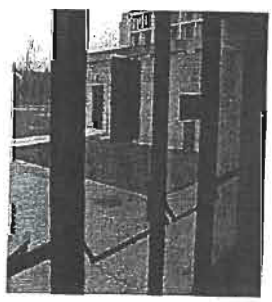
DOORS: LITTLEPAGE DINING CENTER ACCESS CONTROL FEASIBILITY

Littlepage Dining Center
Door 1



Littlepage Dining Center
Door 2

Littlepage Dining Center
Door 3



Littlepage Dining Center
Door 7 (Gym)

Littlepage Dining Center
Door 8 (Gym)

OSWEGO
STATE UNIVERSITY OF NEW YORK

DOORS: ONEIDA HALL
ACCESS CONTROL FEASIBILITY

Oneida Hall Door 2-7

Oneida Hall Door 10

Oneida Hall Door 11

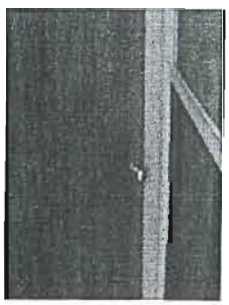
Oneida Hall Door 12

Oneida Hall Door 13

Oneida Hall Door 14

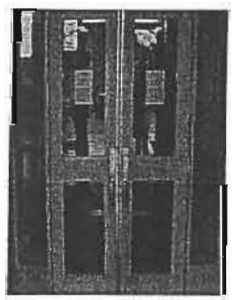
OSWEGO
STATE UNIVERSITY OF NEW YORK

DOORS: SCALES HALL
ACCESS CONTROL FEASIBILITY



Scales Hall Door 1

Scales Hall Door 2



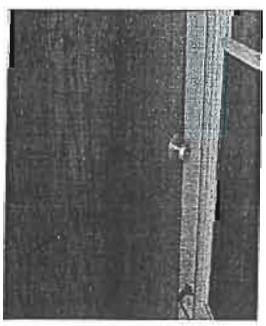
Scales Hall Door 3

Scales Hall Door 5

Scales Hall Door 7

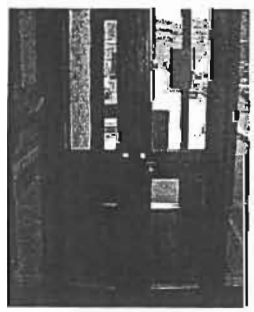
OSWEGO
STATE UNIVERSITY OF NEW YORK

DOORS: WATERBURY HALL
ACCESS CONTROL FEASIBILITY



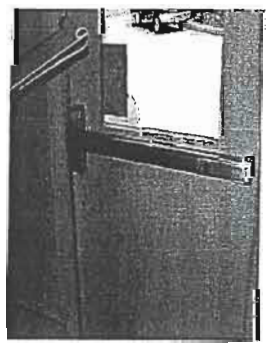
Waterbury Hall Door 1

Waterbury Hall Door 2

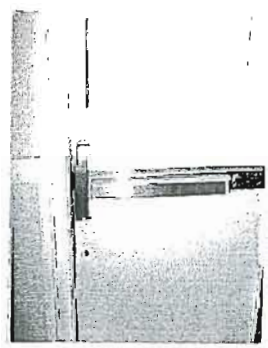


Waterbury Hall Door 3

Waterbury Hall Door 4



Waterbury Hall Door 5



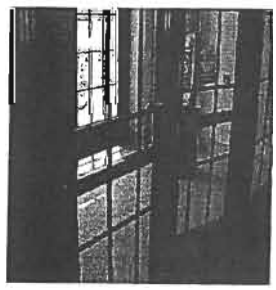
Waterbury Hall Door 8

OSWEGO
STATE UNIVERSITY OF NEW YORK

DOORS: JOHNSON HALL
ACCESS CONTROL FEASIBILITY

Johnson Hall Door 1
(outside, main door)

Johnson Hall
Site of future Door 2



Johnson Hall Door 3
(Inside, main door)