

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

PAGE 1 OF 15

1. AMENDMENT/MODIFICATION NO. Eight (8)	2. EFFECTIVE DATE 6/20/83	3. REQUISITION/PURCHASE REQUEST NO. RFP-ADM-82-399	4. PROJECT NO. (If applicable)
5. ISSUED BY U.S. Nuclear Regulatory Commission Division of Contracts Washington, DC 20555	6. ADMINISTERED BY (If other than block 5)		

7. CONTRACTOR NAME AND ADDRESS Vikonics, Inc. 23 East 26th Street New York, N.Y. 10010 Attn: Mr. John Kaufman, President	8. AMENDMENT OF SOLICITATION NO. <input type="checkbox"/> DATED _____ (See block 9) <input checked="" type="checkbox"/> MODIFICATION OF CONTRACT/ORDER NO. NRC-10-82-399 DATED 12/2/81 (See block 11)
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9. THIS BLOCK APPLIES ONLY TO AMENDMENTS OF SOLICITATIONS
☐ The above numbered solicitation is amended as set forth in block 12. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
 Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation, or as amended, by one of the following methods:
 (a) By signing and returning _____ copies of this amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE ISSUING OFFICE PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If, by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

10. ACCOUNTING AND APPROPRIATION DATA (If required) B&R NO. 47-20-31-402	APPROPRIATION NO. 31X0200.403	INCREASE: \$20,398.68
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11. THIS BLOCK APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS

(a) ☐ This Change Order is issued pursuant to _____
The Changes set forth in block 12 are made to the above numbered contract/order.

(b) ☐ The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation data, etc.) set forth in block 12.

(c) ☒ This Supplemental Agreement is entered into pursuant to authority of **41 USC 252 (c)(10)**
It modifies the above numbered contract as set forth in block 12.

12. DESCRIPTION OF AMENDMENT/MODIFICATION

The purpose of this modification is to add new work as set forth on the attached Statement of Work. For ease of reference, the attached new work will be referred to as "System Augmentation" requirements. The system augmentation requirements set forth on the attached Statement of Work supplement the existing contract specifications. Accordingly any contract provisions unchanged pursuant to this modification shall apply fully to the work required pursuant to this modification. In the event of any conflict between the original contract specifications, as modified, and those specifications attached hereto, the attached specifications shall take precedence in performing the system augmentation.

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Except as provided herein, all terms and conditions of the document referenced in block 8, as heretofore changed, remain unchanged and in full force and effect.

13. <input type="checkbox"/> CONTRACTOR/OFFEROR IS NOT REQUIRED TO SIGN THIS DOCUMENT <input checked="" type="checkbox"/> CONTRACTOR/OFFEROR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN 3 COPIES TO ISSUING OFFICE			
14. NAME OF CONTRACTOR/OFFEROR BY Linda Benbaum (Signature of person authorized to sign)		17. UNITED STATES OF AMERICA BY Timothy F. Hagan (Signature of Contracting Officer)	
15. NAME AND TITLE OF SIGNER (Type or print) LINDA BENBAUM MARKETING MANAGER	16. DATE SIGNED 6/1/83	18. NAME OF CONTRACTING OFFICER (Type or print) Timothy F. Hagan	19. DATE SIGNED 8/16/83

STATEMENT OF WORK

1. Article I, Supplies/Services and Prices, add the following

"19) System Augmentation Requirements

- a. Model VR 2110 Card Reader 1 Required Unit Price: \$ 867.50
Amount: \$ 867.50

Shall be as specified in Article II, item 2, except that this reader shall be preset for a door open alarm delay of 20 ± 2 seconds. The installation of this reader will take place in a normal indoor environment.

- b. Model VR 2110 Card Reader 2 Required Unit Price: \$ 867.50
Amount: \$ 1,735.00

Shall be as specified in Article II, Item 2, except that these readers shall be preset for a door open alarm delay of 20 ± 2 seconds. In addition, these readers shall provide the push button entry override option. The installation of these readers shall take place in a normal indoor environment.

- c. Model VR 2110 Card Reader 2 Required Unit Price \$ 1,017.50
Amount: \$ 2,035.00

Shall be as specified in Article II, item 2, except that these readers shall be preset for a door open alarm delay of 20 ± 2 seconds. Additionally, these readers shall be designed to unlock automatically upon command from the building fire alarm system. The installation of these readers shall take place in a normal indoor environment.

- d. Model F Flush Mount Housing for above: 5 Required Unit Price: \$17.50
Amount: \$87.50

As specified in Article II, Item 2.

- e. Model TPS Tamper Switch for above: 5 Required Unit Price: \$ 24.50
Amount: \$122.50

As specified in Article II, Item 2.

- f. Model VP-2260 Reader Multiplexer: 1 Required Unit Price: \$525.00
Amount: \$525.00

Shall be as specified in Article II, item 3. The 150 percent reader capacity requirement is waived for the Maryland National Bank Building.

- g. Model VP-1055-4 Local Modem: 1 Required Unit Price: \$1,092.00
Amount: \$1,092.00

Shall be as specified in Article II, item 4.

- h. Model VP-1055-4 Remote Modem: 1 Required Unit Price: \$1092.00
Amount: \$1092.00

Shall be as specified in Article II, item 5. (same as item g.)

- i. Model VA-20 Transformer, Low Voltage: 6 Required Unit Price: \$ 19.60
Amount: \$117.60

Shall be as specified in Article II, item 8.

- j. Model VA-073 Continuous Duty Electrical
Door Strike: 4 Required Unit Price: \$227.50
Amount: \$910.00

Shall be as specified in Article II, item 10, except that the contractor shall select each strike to match the finish and the bolt throw of the existing knobset at each location. Strikes shall be "fail-lock." These strikes shall be Folger-Adam series 310-2 and shall include 24 volt A/C transformers.

- k. Model VA-074 Continuous Duty Electrical
Door Strike: 2 Required Unit Price: \$297.50
Amount: \$595.00

Shall be as specified in Article II, item 10, except that the contractor shall select each strike to match the finish and the bolt throw of the existing knobset at each location. Strikes shall be "fail safe." These strikes shall be Folger-Adam series 310-2 and shall include 24 volt A/C transformers.

- l. Blocker Plate: 6 Required Unit Price: \$ 60.00
Amount: \$360.00

Shall be as specified in Article II, item 17. Custom-made for NRC use.

- m. Model VA-032 Magnetic Door Contact: 6 Sets Required Unit Price: \$ 8.40
Amount: \$50.40

Shall be as specified in Article II, item 18. Additionally, these shall be installed flush mounted in the door and door jamb.

- n. Model VA-041 Egress Push Button Switch: 3 Required Unit Price: \$30.10
Amount: \$90.30

Shall provide the entry override function to remotely unlock and permit entry at two card reader doors.

- o. Audible Annunciation (Door Bell) System: 1 Required Unit Price: \$134.26
Amount: \$134.26

Shall include one (1) push button switch, annunciation device(s), any other components and all wiring required to provide one (1) audible annunciation system.

P. Special Day/Night Circuit: 1 Required

Unit Price: \$ 123.08

Amount: \$ 123.08

Shall include one (1) double cylinder key switch with Medeco Skyway cylinder, two (2) sets of keys and any other components and all wiring required to provide one (1) special day/night circuit.

TOTAL HARDWARE COST:

\$9,937.14

2. Article III, Installation Requirements, Paragraph 5, "Schedule of Installation,"
add the following:

"5h. System Augmentation Requirements

PART A

Total Amount: \$7,926.92

i. Woodmont Building, 4th and 5th floors (Provide 4 New Card Readers):

Reference the partial floor plans, 4th and 5th floors, Woodmont Building, attached hereto: One (1) new multiplexer, one (1) new modem and four (4) new card readers (one item 19a, one item 19b, two item 19c's), including electrical door strikes, transformers and magnetic contacts, shall be provided and installed at the Woodmont Building. One (1) new modem shall be installed at the Phillips Building. The Woodmont system shall be connected for full on-line operation from the existing TAC-1000 central processor located at the Phillips Building. The Government has provided 115 VAC, 60Hz electrical power and door knobsets at each of the four (4) door locations. In addition, a type 3002, C2 conditioned, 4-wire duplex telephone line has been provided in the 4th floor telephone closet to connect the new multiplexer to the existing TAC-1000 central processor located at the Phillips Building.

(i) For the 5th floor (east) elevator lobby card reader (item 19b), provide an Egress Push Button switch at each of the two (2) 5th floor locations as shown on the partial floor plan.

(ii) For the (west) elevator lobby card readers on both the 4th and 5th floors (Item 19c's), the card reader systems shall be interconnected with the building fire alarm system so that both doors are

electrically unlocked in the event of a building fire alarm. Also, the electric strikes for these two doors shall automatically unlock in the event of failure of the card reader or electrical strike primary 115 VAC power.

{iii} For the (east) elevator lobby card readers on both the 4th (Item 19a) and 5th (Item 19b) floors, both doors shall remain locked in the event of failure of the card reader or electrical strike primary 115 VAC power.

ii. Maryland National Bank Building, Room 11606 (Provide 1 New Card Reader, Item 19b):

Reference the partial floor plan, 11th floor, Maryland National Bank Building, attached hereto. One new card reader (Item 19b), including an electrical door strike, transformers and magnetic contacts, shall be provided and installed at the entrance door to room 11606. The contractor shall connect the reader to one of the three existing systems multiplexers in the Maryland National Bank Building to provide full on-line operation from the existing TAC-1000 central processor located in the Phillips Building.

An Egress Push Button switch shall be provided in room 11606 to provide the entry override function to permit remote unlocking of the entry door from within the room.

An audible annunciation (door bell) system with a push button switch shall be provided and installed, with the switch located near the card reader. The annunciation within the room shall be sufficiently loud to be heard anywhere within the computer room environment at maximum ambient noise levels.

Dedicated 115 VAC, 60 Hz power is provided at the various telephone closets for the operation of the card entry access control system and shall be utilized by the contractor to complete this installation.

iii. Phillips Building, St. Elmo Entrance (Provide Day/Night Switch):

The contractor shall provide and install a special circuit to inhibit the unlock function of Terminal No. 1 at the St. Elmo entrance. A day/night switch which will restrict card reader use is acceptable in fulfillment of this requirement, provided that the actuation of this switch will at no time and in no way inhibit the reporting of tamper alarms from Terminal No. 1. Circuit operation shall be controlled by a double cylinder lock with Medeco Skyway cylinder which shall be accessible from either side of the entrance door. One key position shall enable the door to unlock normally upon insertion of a valid coded key card; the other key position shall inhibit normal unlock operation.

In accordance with applicable fire and safety regulations, this circuit shall in no way restrict emergency exit at this location. The contractor shall provide the only two (2) sets of keys to the Project Officer

PART B

Total Amount: \$1,384.62

i. East-West (West) Towers (Relocate 1 Card Reader):

Reference the partial floor plan, 3rd floor, East-West (West) Towers, which is provided. The contractor shall relocate Terminal No. 65 from its present location on the 3rd floor, to a new door which will be constructed near the present location by the Government. The existing card reader shall be relocated, but the existing electric door strike and magnetic contacts shall remain in the present location. The contractor shall provide and install one new strike and one new set of magnetic contacts at the new reader location. Wiring for 115 VAC power and for signal lines shall be disconnected from the present location and reconnected at the new location.

After Terminal No. 65 is relocated, it shall be connected to provide full on-line operation from the existing TAC-1000 central processor located in the Phillips Building.

NRC will patch and paint any holes in walls or doors created by the removal and relocation of equipment and otherwise restore the previous site of terminal no. 65 only to its original condition and appearance."

3. Article III, Installation Requirements, paragraph 6 "Special Considerations," add the following:

"c. For purposes of the system augmentation, the contractor shall attend a pre-installation meeting to be scheduled by the project officer, with the owner of the Woodmont and Maryland National Bank Buildings. That meeting shall not exceed one (1) full work day in length (8 hours). No meeting is required for the Phillips Building or the East-West Towers Building. The contractor shall be prepared to discuss details of the installation with the owner in order to obtain the owner's formal approval to proceed with the installation. In addition, the Contractor will have the opportunity to arrange for access to various areas of the building, such as telephone closets. The meeting with the owner of the Woodmont Building will also be necessary for the contractor to arrange for the interconnection of the access control system with the building fire alarm system. The contractor will be separately compensated for attendance at this meeting at the firm fixed price amount of \$350.00."

4. Article III Installation Requirements, paragraph 8, "Installation Schedule," add the following:

<u>Item</u>	<u>Completion</u>
"10. One (1) pre-installation meeting in preparation for system augmentation as specified in Article III, paragraph 6c. Contractor shall meet with the building owner to review details of installation at Woodmont and Maryland National Bank Buildings.	Project Officer shall provide the contractor with the date for this meeting within fourteen (14) calendar days of the effective date of modification #8 hereto.

11. In fulfillment of system augmentation requirements, complete installation of a day/night switch circuit at the St. Elmo entrance, Phillips Building, in accordance with Article III, paragraph 5.h., Part A, Subparagraph iii.
12. In fulfillment of system augmentation requirements, complete installation of four (4) new card readers, one (1) new modem and one (1) new multiplexer at the Woodmont Building, and one (1) new modem at the Phillips Building in accordance with Article III, paragraph 5.h., Part A, Subparagraph i.
13. In fulfillment of system augmentation requirements, complete installation of one (1) new card reader at the Maryland National Bank Building in accordance with Article III, paragraph 5.h., Part A, Subparagraph ii.
14. In fulfillment of system augmentation requirements, complete relocation and installation of one (1) existing card reader at the East-West (West) Towers in accordance with Article III, paragraph 5.h., Part B, Subparagraph i.

Within fourteen (14) calendar days of the effective date of modification #8 hereto.

Within fourteen (14) calendar days of NRC notification to the contractor to proceed. The NRC Project Officer will provide such notification within thirty (30) calendar days of receipt and acceptance of all hardware required pursuant to this modification No. 8.

Within fourteen (14) days of NRC notification to the contractor to proceed. The NRC Project Officer will provide such notification within thirty (30) calendar days of receipt and acceptance of all hardware required pursuant to this modification No. 8.

Project Officer shall notify contractor to proceed after meeting. Completion shall be within (14) calendar days of notification to proceed. Such notification shall be rendered following the completion of construction by a third party.

5. Article III, Installation Requirements, add the following:"10. Clean up and site restoration.

At the end of each day the contractor shall sweep up and remove any debris from the installation and assure that the immediate area is tidy before leaving. With the exception of the relocation of the card reader at the East-West Towers (West) Building as set forth in Article III, Paragraph 5.h., Part B, Subparagraph i, upon completion of installation the contractor shall restore any areas which were disturbed to their original condition. This shall include but not be limited to repairing holes created in walls by patching, spackling or plastering and by repainting or repapering these patched areas."

6. Article IV, Period of Performance, add the following:"2. Place of Delivery

- f. Woodmont Building
8120 Woodmont Avenue
Bethesda, Maryland

3. Storage of Deliverable Items

The Government will provide on-site storage for all deliverable items required pursuant to modification #8 to this contract.

7. Article V, Acceptance-Test Plan, add the following: Page 11

"Within fourteen (14) days of execution of modification #8 hereto, the contractor shall submit to the project officer for his review, two (2) acceptance test plans in both of which are set forth precisely what processes, capabilities, features and equipment will be tested and how each will be tested. One (1) plan will apply to the system augmentation requirement specified in Article III, Paragraph 5.h., Part A. The other plan will apply to the system augmentation requirements specified in Article III, paragraph 5.h., Part B. Each plan will briefly discuss each test to be performed and the desired result of each. The contractor will be separately compensated for the required system test plans in the firm fixed price amount of \$350.00 for both plans.

The objective of the acceptance test plans shall be to demonstrate that the operation of all newly installed or relocated card readers and communication lines, as required in accordance with the system augmentation, and the TAC-1000 central processor as it applies to the preceding, are in full compliance with the requirements and specifications of this contract. In addition, the acceptance test plans shall provide for retesting all portions of the existing system which lie between any new component installed or old component moved pursuant to this modification #8 and the TAC-1000, notwithstanding the fact that such components may have been tested and accepted previously. Moreover, the operation of the TAC-1000 itself with the newly installed or moved components shall also be tested. The acceptance test plans are subject to concurrence by the NRC project officer. Should the acceptance test plans fail to meet the above specifications following project officer review, the contractor shall modify the plans until full concurrence is obtained from the project Officer."

8. Article VI, WARRANTY, paragraph #1, add the following:

"Warranty coverage in connection with this article shall apply to all new or reconfigured equipment furnished and installed, in fulfillment of the system augmentation requirements as specified in modification #8 hereto, and accepted by the project officer. The period of coverage for such system augmentation requirements shall commence separately upon acceptance of each of Part A and Part B of the system augmentation requirements and shall not extend beyond January 19, 1984." The contractor shall be separately compensated for this warranty as it applies to the system augmentation requirements specified in modification #8 hereto at the rate of \$19.23 per week of coverage. In addition a return-to-factory warranty shall apply for hardware furnished pursuant to modification #8 hereto to extend from January 20, 1984 through the date equivalent to one (1) year beyond the shipping date of each such item of hardware furnished.

9 Article IX, Inspection, Review, and Acceptance of Work, Paragraph B, Subparagraph #2 and #3 are deleted in their entirety. The following is substituted in lieu thereof:

"2. Upon delivery and installation of deliverables specified herein, and separately, upon 1) Completion of the basic requirements of this contract, 2) Completion of Part A of the system augmentation requirements as specified in modification #8 hereto, and 3) completion of Part B of the system augmentation requirements as specified in modification #8 hereto, the contractor shall submit separate readiness certificates, certifying in each that the applicable equipment is installed and ready for examination and acceptance testing."

3. Upon receipt of the readiness certificates applying to the basic contract requirements, later, to Part A of the system augmentation requirements and later to Part B of the system augmentation requirements, the project officer or his authorized representative will visually inspect each item and the nature of its installation for compliance with the specifications contained herein."

10. Article IX, Inspection, Review, and Acceptance of Work, Paragraph B, Subparagraph 4, the first sentence is deleted in its entirety. The following is substituted in lieu thereof:

"Upon conclusion of each of visual inspections conducted by the project officer or his authorized representative, the project officer will notify the contractor to commence acceptance testing in accordance with the approved plan (see Article VI)."

11. In payment for system augmentation work required pursuant to this modification #8, the contractor is authorized to receive partial payments as set forth below:

Amount to be Paid

\$ 350.00

Time of Payment

Upon conclusion of the pre-installation meeting as set forth in Article III, paragraph 6, "Special Considerations," subparagraph "c."

\$ 350.00

Following concurrence by the NRC Project Officer with the "Acceptance Test Plans," as set forth in Article V, one of which will apply to the system augmentation requirement specified in Article III, paragraph 5.h.,

Part A, and the other of which will apply to the system augmentation requirements specified in Article III, paragraph 5.h., Part B.

\$9,937.14

Within thirty (30) days of receipt of a proper invoice, provided that such invoice is submitted at any time following receipt, inspection, and acceptance of all items of hardware by the NRC Project Officer. Such inspection and determination of acceptability or nonacceptability will be conducted within seven (7) calendar days of receipt of final item(s) of equipment required pursuant to this modification #8.

\$3,963.46

Upon completion of installation for Part A of system augmentation requirements, Article III, Paragraph 5.h.

\$3,963.46

Upon acceptance of installation for Part A of system augmentation requirements, Article III, Paragraph 5.h.

\$ 692.31

Upon completion of installation for Part B of system augmentation requirements, Article III, Paragraph 5.h.

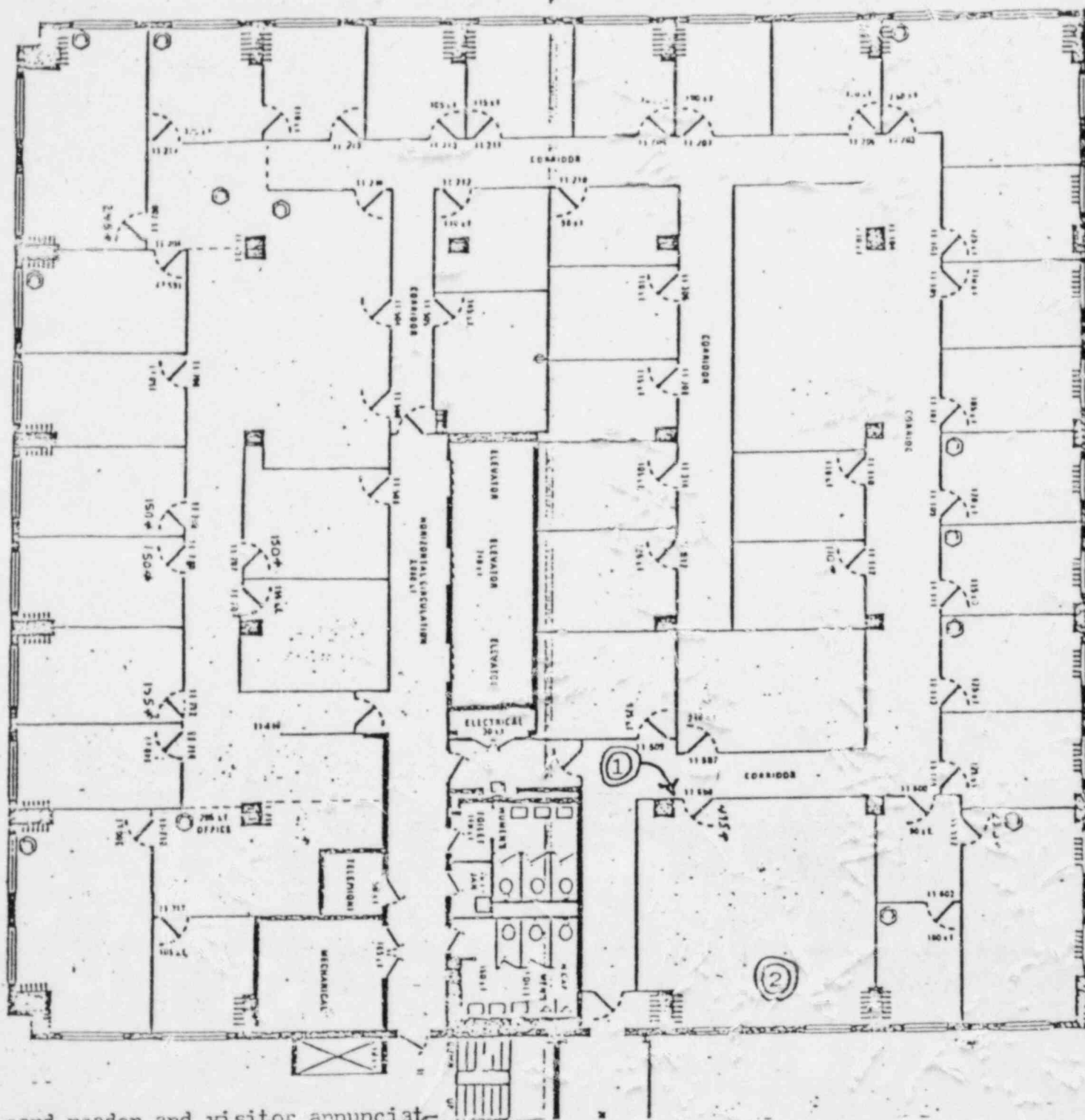
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Upon acceptance of installation for Part B of system augmentation requirements, Article III, Paragraph 5.h.

Upon commencement of the warranty as it relates to the system augmentation requirements specified in Modification #8 hereto, as set forth in Article VI, Paragraph #1.

12. The total firm-fixed price amount of this contract is increased by \$19,948.68, from \$135,330.10 to \$155,278.78. This increase funds all work required pursuant to this modification No. 8 except that required pursuant to item #8 of this modification, Article VI, Warranty, as modified.
13. The ceiling amount of \$450.00 is hereby established exclusively for performance of the work specified in item #8 of this modification, Article VI, Warranty, as modified.
14. The amount obligated pursuant to this contract is increased by \$20,398.68, from \$135,330.10 to \$155,728.78.
15. All other terms and conditions of this contract remain unchanged.

*Amount to be determined at commencement of warranty period, on basis of \$19.23 per week of warranty coverage. Portions of weeks will be rounded to the nearest whole week.

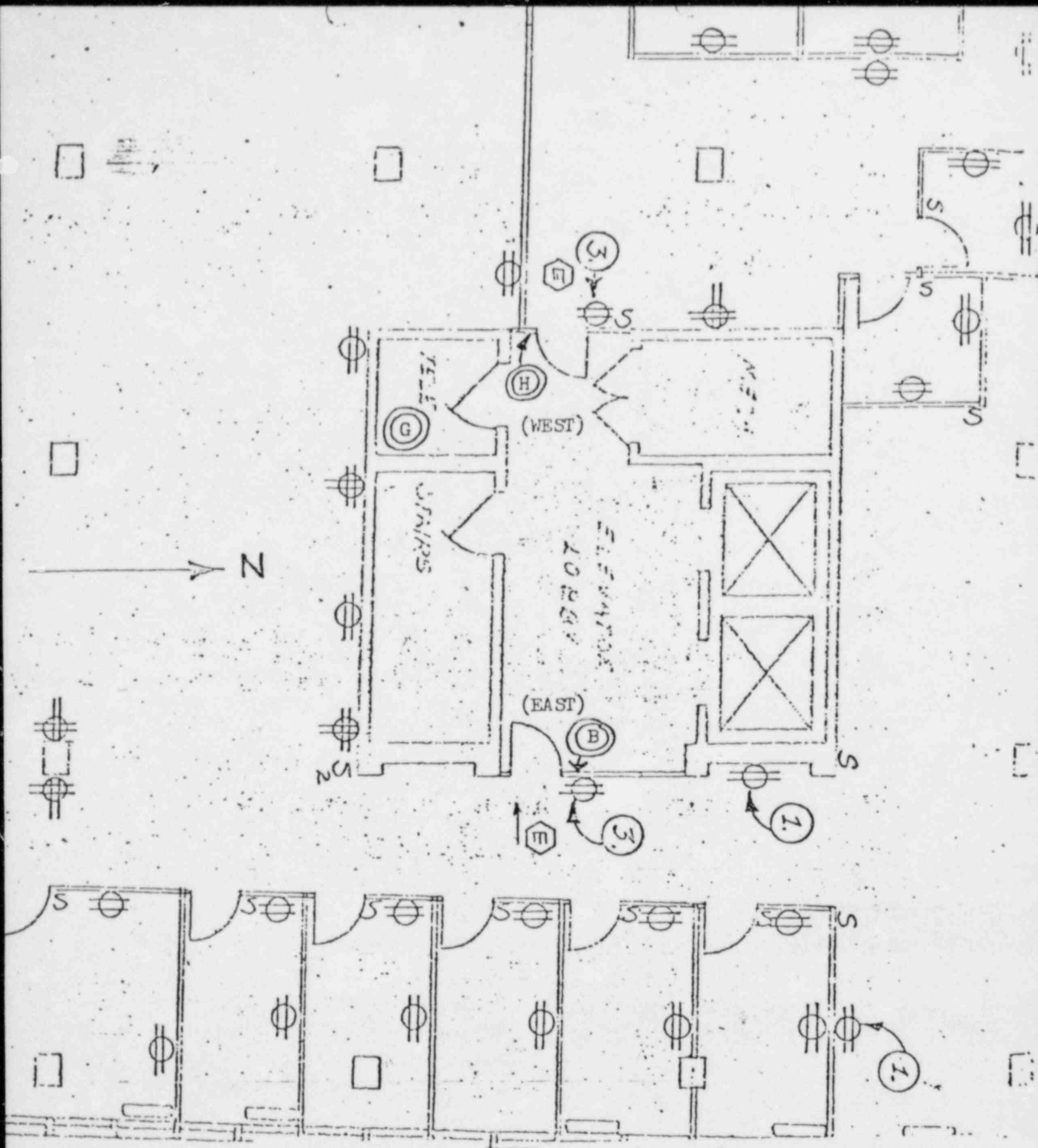


• Install card reader and visitor annunciator or pushbutton switch at location (1) •

• Install audible annunciator and egress pushbutton switch in general area (2) •

MARYLAND NATIONAL BANK BUILDING

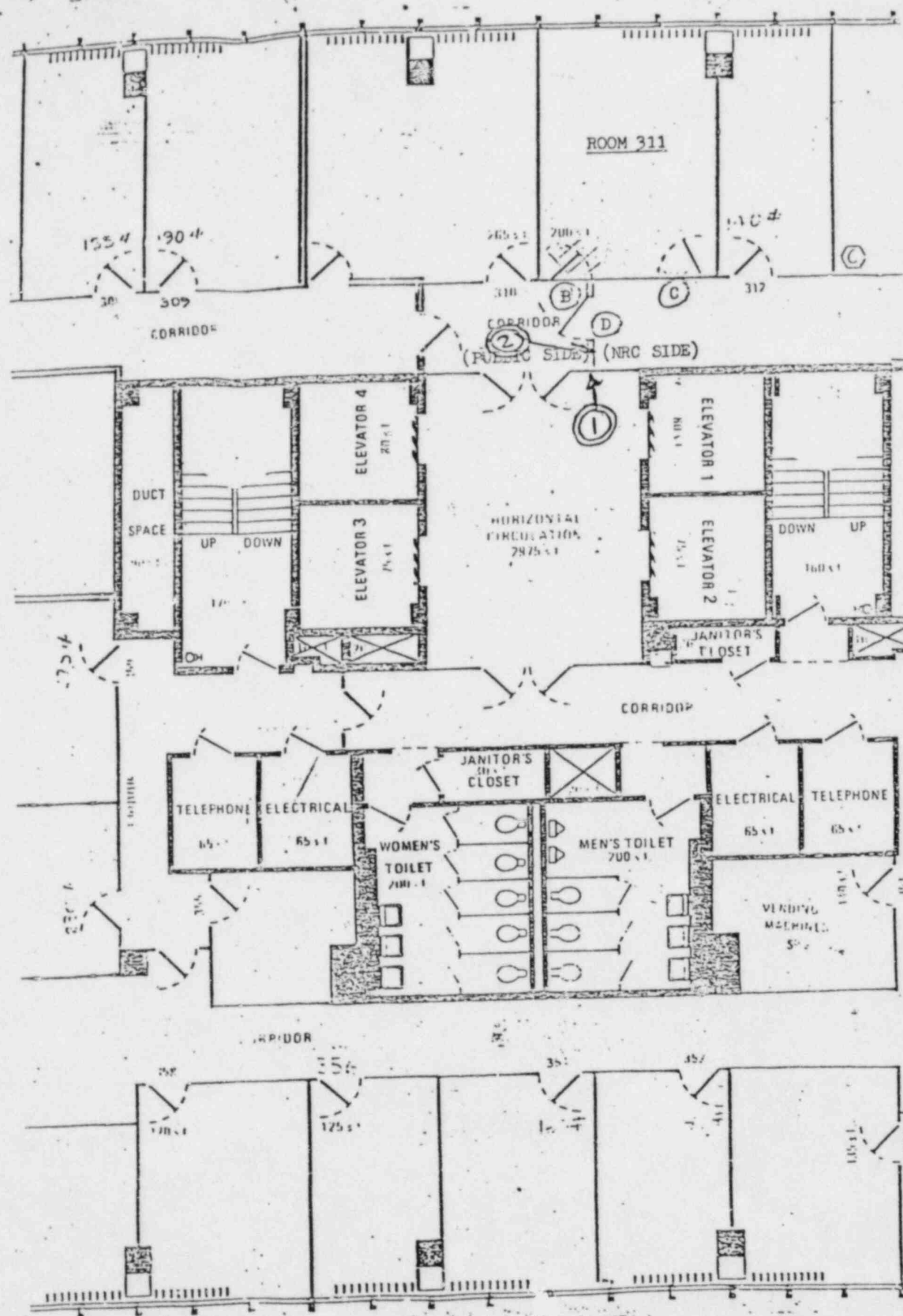
11th floor plan



- 1. Install card readers at locations (H) and (B).
- 2. Install multiplexer and modem in telephone closet at location (G).

WOODMONT BUILDING

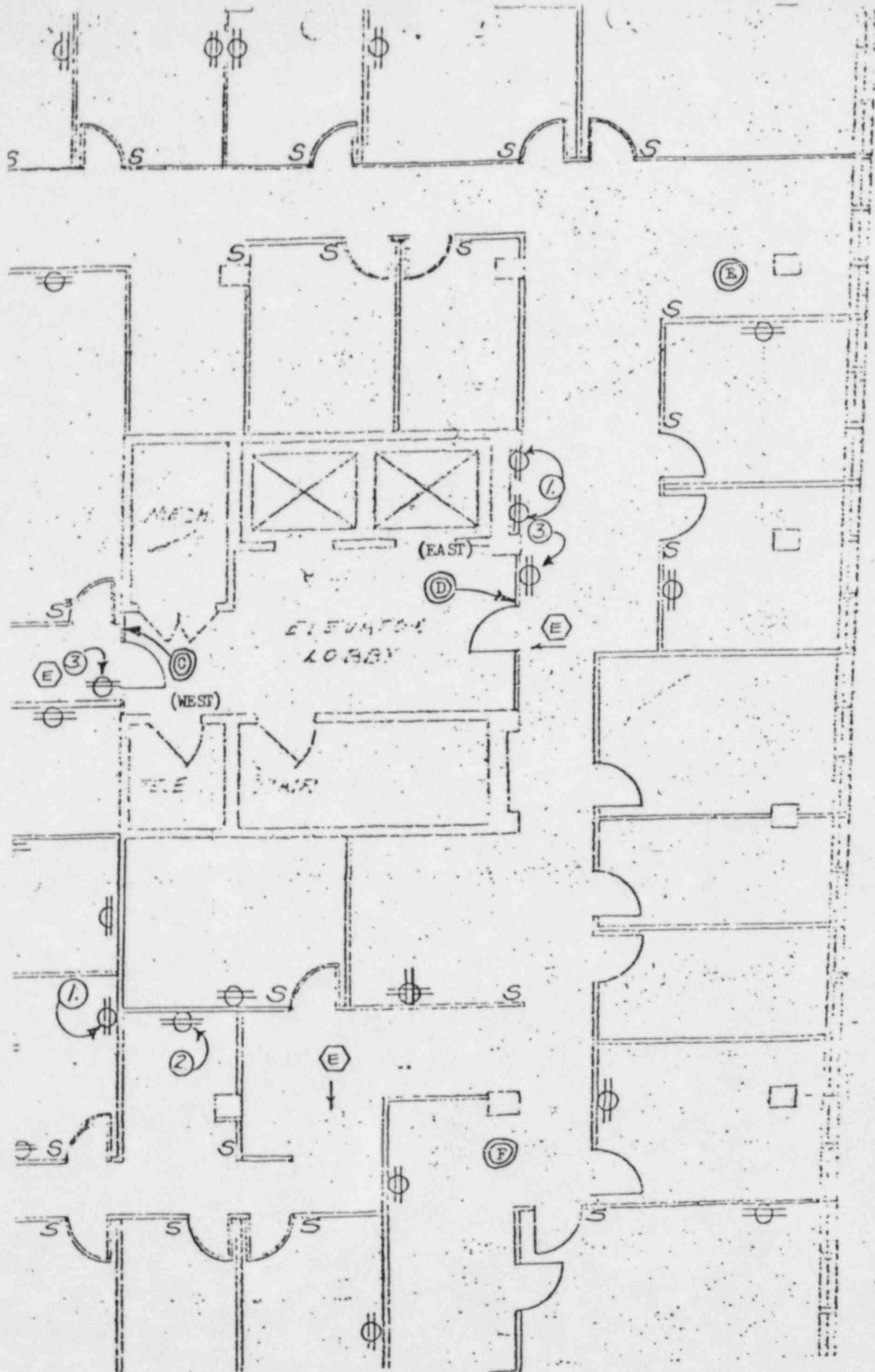
(partial) 4th floor plan



Relocate one (1) existing card reader from location (1) to location (2).

EAST - WEST (WEST) TOWERS

(partial) 3rd floor plan



1. Install card readers at locations (C) and (D).
2. Install two (2) egress pushbutton switches for card reader (D) with one (1)

WOODMONT BUILDING

(partial) 5th floor plan