

21

BOROSCOPIC INSPECTION REPORT

**25 SIGOURNEY STREET
HARTFORD, CT**

**PREPARED FOR
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC WORKS
FACILITIES MANAGEMENT
165 CAPITOL AVENUE
HARTFORD, CT 06106**

SEPTEMBER 15, 2002

**PREPARED BY
AIR TECHNOLOGY, INC
333 W. 39TH STREET, SUITE 904
NEW YORK, NY 10018
1-646-522-7233**

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PURPOSE OF REPORT

The State of Connecticut has been undergoing envelope repair to 25 Sigourney Street ever since its acquisition of the building 6 years ago. Leaks have been reported through the fenestration system and the brick system which may have subsequently produced mold. In the year 2,000, the State remediated the mold in some locations of the building. Still, Indoor Air Quality health related complaints were received from workers in some parts of the building. The State prepared a more extensive envelope repair and mold remediation project which is being performed at this time. Still, Indoor Air Quality health related complaints were registered. While the envelope repair and mold remediation project was addressing known points of water infiltration and visible mold, the State Department of Public Works Facilities Management Office was concerned that water may have infiltrated other points in the envelope or in bathroom chases that was not visible and should be remediated while this project is underway. That Office contracted with EnviroMed Services, Inc. an environmental consulting company, to arrange for boroscopic inspections in other locations in the perimeter walls and in toilet chases not being addressed in the remediation contract. EnviroMed Services, Inc. contracted with Air Technology, Inc. to perform the technical boroscopic inspections while EnviroMed Services, Inc. would oversee the findings. This is the report of that combined effort.

BUILDING DESCRIPTION

1. The building is a seventeen year old 20 story high rise structure. It has building code classification of 1B Protected. To get that fire resistance rating, the structure is reinforced concrete and the remaining envelope is made of masonry. The envelope is brick faced. Generally, that means the construction cross section is, from the inside out, gypsum board on metal studs or channels, on reinforced concrete or concrete block, rigid insulation, air space, and 4" of face brick. There is substantial glass on the exterior in aluminum casings abutting the masonry. There are balconies on the 19th, 18th and 17th floors.

2.. The 20th floor is a penthouse of approximately 40% of the area of a typical floor. Floors 19 thru 6 are typical office floors. Floor 5 is a mezzanine floor with some offices, cafeteria and garage space. Floor 4 has the entry level with some office, retail and garage space. Floors 3 to 1 are garage levels.

INVESTIGATION PROCEDURE

1. The State Department of Public Works Facilities Management Office marked areas of concern on reduced drawings of the building for the investigators to explore.
2. A team was created consisting of a representative of the Facilities Management office to provide security and to open offices, a technician from Air Technology, Inc. to drill holes, insert the boroscope, to plug holes and to clean up, an investigator from Air Technology, Inc. to assess findings, and a representative from EnviroMed Services, Inc. to confirm findings. Work would start at 5pm. The days September 4th and 5th were chosen.
3. The team decided to investigate from the top down. On the first day, September 4th, the 20th floor roof could not be accessed so the work began on the 19th floor. It then went to the 18th floor and then, because the 17th floor could not be finished on the same night, went to the 16th floor.
4. The following day, September 5th, work started in the 20th floor MER, went to the 17th floor, 14th floor, 12th floor, 9th floor, 7th floor, and finally the 6th floor.
5. The technician inserted the boroscope in a 1" hole he created or a 1/2" hole NIOSH had created for doing microbial sampling. He did the initial probe and when he saw suspicious materials, he had confirmation by the ATI supervisor, the EnviroMed representative and the DPW representative. Suspicious materials were defined as water staining, rust or corrosion, or spotting which could be mold.
6. These probes were recorded in a video for future confirmation. The video technician used a larger boroscope and redid all the probe locations on September 11th, 12th and 13th. The video technician had a better view of the locations and thus had the opportunity to check the findings of the first investigation. He made adjustments to the findings. Those final results are included in this report. The video will now be available for a record of what was found.

INVESTIGATION PROCEEDINGS

Appendix A illustrates each floor which was investigated starting from the 20th to the 6th. In red, the number of the boroscopic probe is indicated at the location tested.

20TH FLOOR

1. The investigators inspected the mechanical equipment room on the north side of the area. There was significant water staining on the gypsum board indicated by red lines on the drawing in Appendix A. No boroscopic investigation was necessary because those walls will need to be remediated anyway.

19TH FLOOR

LOCATION #1: This is back of stairway. It has a concrete wall beyond the gypsum board with a 1" air space between. No staining, rust or contamination was seen.

LOCATION #2: This is back pipe chase of women's toilets. Pipe insulation was clean. There was rust found at bottom of pipe supports but this is from condensation and not from a pipe leak. No contamination was seen.

LOCATION #3: This is back pipe chase of men's toilets. Pipe insulation was clean. There was rust found at bottom of pipe supports but this is from condensation and not from a pipe leak. No contamination was seen.

LOCATION #4: This is side wall of one men's toilet. Studs were clean. Gypsum board was clean. Track was clean.

LOCATION #5: This is side wall of men's toilets investigated because it is under exterior wall above. Insulation was clean. Studs were clean. Gypsum board was clean. Channel had small amount of rust on bottom. This didn't appear to be from a chronic situation.

LOCATION #6: This is inside a duct chase near the north stair investigated because it is by an exterior sign of water staining. Studs were clean. Gypsum board was clean. Track was clean. Water staining is from exterior only.

18TH FLOOR

LOCATION #7: This is wall of conference room under glazing. White spots seen on studs. Appears like oxidation (corrosion). No staining or contamination was seen. New gypsum board.

LOCATION #8: This is wall of other conference room under glazing. Going in NIOSH hole. Rust found on conduit at bottom of cavity No staining or contamination was seen. New gypsum board.

LOCATION #9: This is wall of lounge under glazing. White spots seen on studs. Appears like oxidation (corrosion). No staining or contamination was seen.

LOCATION #10: This is wall of lounge by balcony. NIOSH hole. Couldn't see far. Saw some loose insulation. Studs were clean. Gypsum board was clean. Track was clean.

LOCATION #11: This is wall of north corner office by balcony. Couldn't see far because of concrete pier. Pier was clean. Gypsum board was clean. White spots seen on studs.

LOCATION #12: This is other wall of north corner office by balcony. Water staining found on track at bottom of pier.

LOCATION #13: This is wall of other north corner office by balcony. Dry debris found at bottom of cavity. No evidence of water.

LOCATION #14: This is another wall of other north corner office by balcony. Couldn't move furniture. No probe taken.

LOCATION #15: This is wall of west corner office by balcony. This probe was taken thru base at bottom of desk. Studs were clean. Gypsum board was clean. Track was clean.

LOCATION #16: This is another wall of west corner office by balcony. Couldn't move furniture. No probe taken.

LOCATION #17: This is southwest corner office by balcony. Couldn't move furniture. No probe taken.

LOCATION #18: This is another wall of southwest corner office by balcony. Couldn't move furniture. No probe taken.

LOCATION #19: This is another wall of southwest corner office under window. NIOSH hole. Rust found on conduit and nails at bottom of cavity. Gypsum board was clean under window.

LOCATION #20: This is wall of southeast corner office by balcony (Paul Greenfield's). Took through base of wall under desk. Dark coloration on gypsum board found. This could be mold.

LOCATION #21: This is other wall of southeast corner office by balcony (Paul Greenfield's). Took probe above base behind cabinet. Studs were clean. Gypsum board was clean. Track was clean.

LOCATION #22: This is wall of east corner office by balcony (Paul Roulier's). Studs were clean. Gypsum board was clean. Track was clean.

LOCATION #23: This is other wall of east corner office by balcony (Paul Roulier's). Studs were clean. Gypsum board was clean. Track was clean.

LOCATION #24: This is a wall of the other east corner office by balcony. Couldn't move furniture. No probe taken.

LOCATION #25: This is other wall of that east corner office by balcony. NIOSH hole. Studs were clean. Gypsum board was clean. Track was clean.

LOCATION #26: This is another wall of that east corner office under glazing. NIOSH hole. Studs were clean. Insulation clean. Gypsum board had evidence of water staining. Track was clean.

LOCATION #27: This is a wall of a north facing corner office by balcony (Patrick Crowley's). Probe taken through base under desk. Rust found on bottom track and part of stud.

17TH FLOOR

LOCATION #31: This view was an open edge of wall of north corner office by balcony. No evidence of moisture. Video probe saw darkness along bottom channel.

LOCATION #32: This is a wall of that north facing corner office under glazing. Using NIOSH's consultant's hole. Water staining seen on concrete. Suspicious black spots seen.

LOCATION #33: This is another wall of that north facing corner office under glazing. Using NIOSH's consultant's hole. No staining seen. Looks dry.

LOCATION #34: This view was an open edge of wall of other north corner office by balcony.. Rust was found on channel. No other evidence of moisture or contamination. Cardboard box being used as a spacer between gyp brd. and bottom channel.

LOCATION #35: This is another wall of that north facing corner office under glazing. Using NIOSH's consultant's hole. Pitting found on studs.

LOCATION #36: This is another wall of that north facing corner office under glazing. Using NIOSH's consultant's hole. Found mortar staining. Otherwise dry.

LOCATION #37: This view was an open edge of wall of west facing corner office by balcony. Much debris seen on bottom but no evidence of moisture or contamination.

LOCATION #38: This view was supposed to be of the above office under glazing. No view was possible through probe.

LOCATION #39: This is other wall of that west corner office under glazing. NIOSH consultant's hole. Studs were clean. Gypsum board was clean. Track was clean.

LOCATION #40: This view was an open edge of wall of west facing center office by balcony. Video probe found potential mold.

LOCATION #41: This is a wall of that west facing center office under glazing. NIOSH hole. No evidence of moisture or contamination. Cardboard box being used as a spacer between gyp brd. and bottom channel.

LOCATION #42: This view was an open edge of wall of west facing center office by balcony. No evidence of moisture or contamination.

LOCATION #43: This view was an open edge of wall of another west facing center office by balcony. No evidence of moisture or contamination.

LOCATION #44: This is a wall of that west facing center office.. NIOSH hole. Insulation right up against gypsum board. Couldn't get a view.

LOCATION #45: This view was an open edge of wall of that west facing center office by balcony. No evidence of moisture or contamination.

LOCATION #46: This view was an open edge of wall of southwest facing corner office by balcony. Rust found on bottom track.

LOCATION #47: This is a wall of that southwest facing corner office under glazing. NIOSH hole. No evidence of moisture or contamination. This is regular gypsum board. In all locations in this floor greenboard moisture-resistant gypsum board was to have been installed. In almost all locations, regular gypsum board is found.

LOCATION #48: This is a wall of that southwest facing corner office under glazing. NIOSH hole. No evidence of moisture or contamination

LOCATION #49: This view was an open edge of wall of southwest facing corner office by balcony. Wet water stain found at top of cavity. Video probe found dark spots along channel; possible mold.

LOCATION #50: This is a wall of a south facing center office. NIOSH hole. No evidence of moisture or contamination.

LOCATION #51: This view was an open edge of wall of south facing center office by balcony. Suspicious black growth found on gypsum board at metal track. Video confirmed mold stains.

LOCATION #52: This is a wall of a south facing center office. NIOSH hole. Evidence of water staining. Black spots seen. Suspicious of mold.

LOCATION #53: This view was an open edge of wall of another south facing center office by balcony. Suspicious black spots found on gypsum board.

LOCATION #54: This is a wall of the south facing center office. NIOSH hole. No evidence of moisture or contamination.

LOCATION #55: This view was an open edge of wall of the south facing center office by balcony. Evidence found of water infiltration. Video found mold.

LOCATION #56: This view was an open edge of wall of another south facing corner office by balcony. Evidence found of water infiltration. Suspicious discoloration at channel.

LOCATION #57: This is a wall of the above south facing corner office. NIOSH hole. Can only see foil insulation.

LOCATION #58: This is a wall of the above south facing corner office under glazing. NIOSH hole. No evidence of moisture or contamination.

LOCATION #59: This view was an open edge of wall of above south facing corner office by balcony. Suspicious black growth found on gypsum board at metal track. Video confirmed water staining and mold.

LOCATION #60: This view was an open edge of wall of a southeast facing corner office by balcony. Much debris at bottom of cavity. Video probe found water staining.

LOCATION #61: This is a wall of the above southeast facing corner office under glazing. White pitting found on studs.

LOCATION #62: This is a wall of the above southeast facing corner office under glazing. NIOSH hole. Evidence of water staining seen.

LOCATION #63: This view was an open edge of wall of the southeast facing corner office by balcony. Water staining seen at studs. Fresh water found during video probe. Black spots seen as well.

LOCATION #64: This view was an open edge of wall of a northeast facing corner office by balcony. Much debris at bottom of cavity but dry.

LOCATION #65: This is a wall of the above northeast facing corner office under glazing. NIOSH hole. No evidence of water infiltration seen.

LOCATION #66: This is another wall of the above northeast facing corner office under glazing. NIOSH hole. Fresh evidence of water infiltration seen.

LOCATION #67: This view was an open edge of wall of a northeast facing corner office by balcony. Dry. Rust found on bottom channel.

LOCATION #68: This is a wall of a north facing corner office under desk. No evidence of water infiltration seen.

LOCATION #69: This is a wall of the above north facing corner office under glazing. NIOSH hole. No evidence of water infiltration seen.

LOCATION #70: This is a wall of the above north facing corner office under glazing. NIOSH hole. No evidence of water infiltration seen.

LOCATION #71: This is a view of the wall of one of the conference rooms under glazing. NIOSH hole. No evidence of water infiltration seen.

LOCATION #72: This is a view of the wall of the other conference room under glazing. NIOSH hole. Water staining found on spacer gypsum board.

LOCATION #73: This is a view thru a NIOSH hole in the lounge. No evidence of water infiltration seen.

LOCATION #74: This is a view thru a NIOSH hole in the lounge. No evidence of water infiltration seen.

LOCATION #75: This is a view thru a NIOSH hole in the lounge. No evidence of water infiltration seen.

LOCATION #76: This is a view thru an open end of drywall. No evidence of water infiltration seen.

16TH FLOOR

LOCATION #28: This view was in a wall in the new training room. Rust on a valve was seen. Suspicious black material seen. Video probe confirmed mold.

LOCATION #29: This view was in a wall under glazing in the new training room. Evidence of water infiltration. Suspicious black material seen. Video probe confirmed mold behind stud.

LOCATION #30: This is of a wall off the corridor on the south side. Using NIOSH's hole. Water staining seen. Suspicious black material seen. Video confirmation of mold.

14TH FLOOR

LOCATION #77: This view was in a wall under glazing in the lounge. Using NIOSH hole. No evidence of water infiltration seen.

LOCATION #78: This view was in a wall under glazing in the lounge. Video probe found black spots on gypsum board.

LOCATION #79: This is of a wall under glazing in one of the conference rooms. Foil insulation seen. No evidence of water infiltration.

12TH FLOOR

LOCATION #80: This view was in a wall under glazing in the lounge. Using NIOSH hole. No evidence of water infiltration seen.

LOCATION #81: This view was in a wall under glazing in a southwest facing corner office. NIOSH hole. Pitting seen on studs.

LOCATION #82: This is of a wall in the above office. Video probe found water stains.

9TH FLOOR

LOCATION #83: This view was in a wall under glazing in the lounge. Using NIOSH hole. No evidence of water infiltration seen.

LOCATION #84: This view was in a wall in a north facing office. NIOSH hole. Insulation solid to gypsum board. No view possible.

LOCATION #85: This is of a wall in a northeast facing office office. Rust found on stud. Water staining on Gypsum board found.

LOCATION #86: This is of a wall in a northeast facing office office. Black growth found on gypsum board near metal track.

7TH FLOOR

LOCATION #87: This view was in a wall outside of the lounge. It was chosen because it was potentially exposed to a leaky roof. Video probe found water stains.

LOCATION #88: This view was also in a wall outside of the lounge. It was chosen because it was potentially exposed to a leaky roof. Evidence of water infiltration was seen here in the corner of the gypsum board.

LOCATION #89: This is of a wall in the photo ID room. Using NIOSH hole. View blocked by concrete.

6TH FLOOR

LOCATION #90: This view was in a column wall in a south facing corner office. Video probe found rust.

LOCATION #91: This view was in a column wall in a south facing corner office. No evidence of water infiltration seen.

LOCATION #92: This view was in a column wall in a southwest facing corner office. No evidence of water infiltration seen.

LOCATION #93: This view was in a column wall in a southwest facing corner office. No evidence of water infiltration seen.

LOCATION #94: This view was in a wall under glazing in a conference room. View blocked by concrete.

LOCATION #95: This view was in a wall under glazing in a conference room. NIOSH hole. View blocked by concrete.

LOCATION #96: This view was in a wall under glazing in a conference room. NIOSH hole. View blocked by concrete.

LOCATION #97: This view was in a column wall in a southeast facing corner office. No evidence of water infiltration seen.

LOCATION #98: This view was in a column wall in a southeast facing corner office. No evidence of water infiltration seen.

DETERMINANTS TO RECOMMENDATIONS

1. There were three methods of probing in this study: One was through a standard boroscope showing a 1 1/2" picture. Another was in openings or surfaces visible to the naked eye (through open ends of drywall or exterior evidence). The third was through a boroscope connected to a video which showed a full screen picture. It was determined that the initial method, the standard boroscope, was too indeterminate for actions to be made. It was used to have still photographs for this report. The photos were inadequate. Another probe investigation, using video, was conducted at all locations and was found to be much more satisfactory and was a confirmation of suspicious material.

2. If water staining, suspicious black material or obvious mold is found through probes or visible to the naked eye, our recommendation is to remove the gypsum board and remediate the wall. (**Recommendation A**).

3. If we see evidence of rust or corrosion without water staining through the boroscope or visible to the naked eye, we will assume this is part of a past remediation. We do not feel we have enough evidence to recommend remediation. Therefore, water staining and suspicious black material must be seen to warrant remediation. (**Recommendation B**). If the DPW feels it is just as easy to remediate this wall, then that should be its call.

4. If we see no evidence of water infiltration, then we recommend nothing more be done to this wall (**Recommendation B**).

RECOMMENDATIONS

RECOMMENDATION A (Remove the gypsum board and remediate the wall without further investigation)

MER walls indicated on floor 20. LOCATION 20, LOCATION 26, LOCATION 28, LOCATION 29, LOCATION 30, LOCATION 31, LOCATION 32, LOCATION 40, LOCATION 49, LOCATION 51, LOCATION 52, LOCATION 53, LOCATION 55, LOCATION 56, LOCATION 59, LOCATION 60, LOCATION 63, LOCATION 66, LOCATION 72, LOCATION 78, LOCATION 82, LOCATION 85, LOCATION 86, LOCATION 87 and LOCATION 88.

RECOMMENDATION B (Nothing more be done at this location).

LOCATION 1, LOCATION 2, LOCATION 3, LOCATION 4, LOCATION 5, LOCATION 6, LOCATION 7, LOCATION 8, LOCATION 9, LOCATION 10, LOCATION 11, LOCATION 12, LOCATION 13, LOCATION 15, LOCATION 19, LOCATION 21, LOCATION 22, LOCATION 23, LOCATION 25, LOCATION 27, LOCATION 33, LOCATION 34, LOCATION 35, LOCATION 36, LOCATION 37, LOCATION 39, LOCATION 41, LOCATION 42, LOCATION 43, LOCATION 45, LOCATION 46, LOCATION 47, LOCATION 48, LOCATION 50, LOCATION 54, LOCATION 58, LOCATION 61, LOCATION 62, LOCATION 64, LOCATION 65, LOCATION 67, LOCATION 68, LOCATION 69, LOCATION 70, LOCATION 71, LOCATION 73, LOCATION 74, LOCATION 75, LOCATION 76, LOCATION 77, LOCATION 79, LOCATION 80, LOCATION 81, LOCATION 83, LOCATION 90, LOCATION 91, LOCATION 92, LOCATION 93, LOCATION 97, and LOCATION 98.

APPENDIX A

Drawings showing probe locations



200
PARK
PLACE

HARTFORD
CONNECTICUT

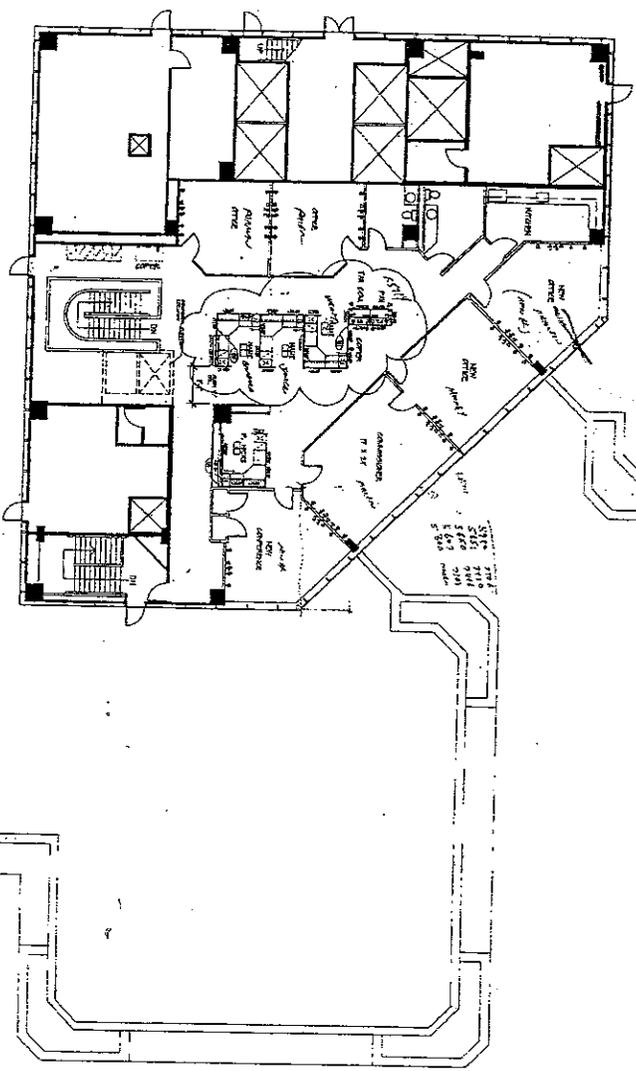
THE
MEAD
GROUP

Architects & Planners
75 Brace Road
West Hartford, CT 0610
(203) 521-0722

DATE: 1/17/74
BY: JMS
CHECKED BY: [Signature]

PROJECT: 200 PARK PLACE
DRAWING: FLOOR TWENTY FURNITURE PLAN

SF20



FLOOR TWENTY FURNITURE PLAN

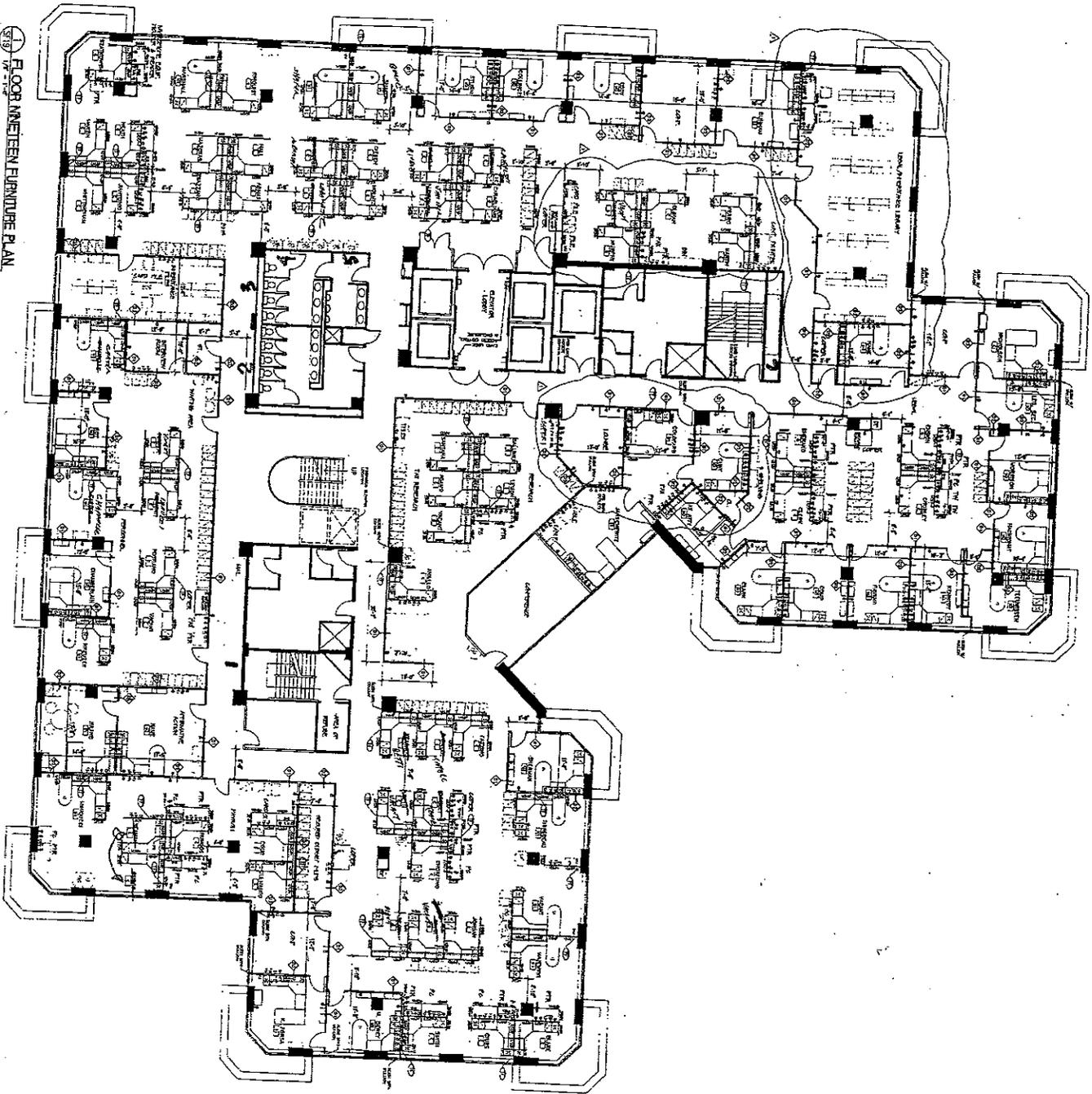
GENERAL NOTES:

1. FURNITURE IS TO BE PLACED IN ACCORDANCE WITH THE FLOOR PLAN. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
2. FURNITURE IS TO BE PLACED IN ACCORDANCE WITH THE FLOOR PLAN. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
3. DIMENSIONS TO FACE UNLESS OTHERWISE NOTED.
4. DIMENSIONS TO FACE UNLESS OTHERWISE NOTED.

ELECTRICAL/ECONOMY NOTES:

1. ALL VOLTAGE REGULATIONS AND ELECTRICAL CODES SHALL BE OBSERVED.
2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL LOCAL ORDINANCES.
3. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL LOCAL ORDINANCES.

1 FLOOR INTERIEN FURNITURE PLAN

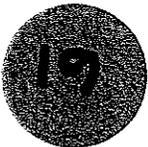


GENERAL NOTES:

1. REFER TO SHEET 1/2 FOR DIMENSIONS AND FINISHES.
2. WALLS, CEILING AND FLOOR FINISHES ARE TO BE AS SHOWN ON SHEET 1/2.
3. MECHANICAL, ELECTRICAL AND PLUMBING ARE TO BE AS SHOWN ON SHEET 1/2.
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF HARTFORD, CONNECTICUT, DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION, SPECIFICATIONS AND STANDARDS.

ELECTRICAL/TELECOMM. NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF HARTFORD, CONNECTICUT, DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION, SPECIFICATIONS AND STANDARDS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF HARTFORD, CONNECTICUT, DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION, SPECIFICATIONS AND STANDARDS.



200
PARK
PLACE

HARTFORD,
CONNECTICUT

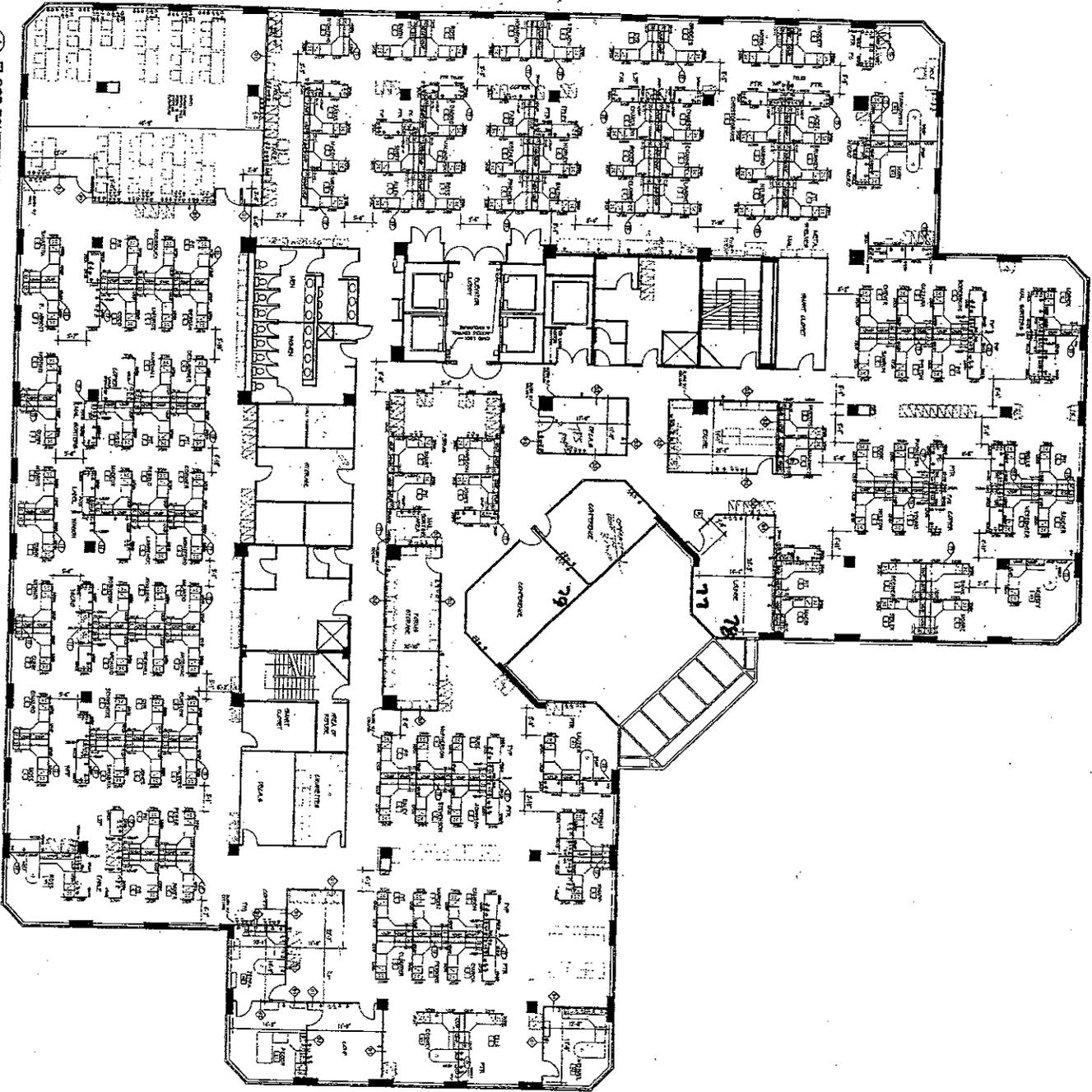
THE
MEAD
GROUP

Architects & Planners
75 Base Road
West Hartford, CT 06107
(203) 521-0782

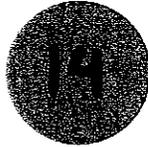
FLOOR INTERIEN
FURNITURE PLAN

SF19

819 FLOOR FORTTEEN FURNITURE PLAN



- GENERAL NOTES:**
1. ALL ROOMS AND AREAS SHOWN ON THIS PLAN ARE TO BE FURNISHED WITH THE FURNITURE AND FIXTURES INDICATED BY THE SYMBOLS AND NOTATIONS ON THIS PLAN. SEE THE FURNITURE SCHEDULE FOR THE SPECIFICATIONS OF THE FURNITURE AND FIXTURES.
 2. ALL ROOMS AND AREAS SHOWN ON THIS PLAN ARE TO BE FURNISHED WITH THE FURNITURE AND FIXTURES INDICATED BY THE SYMBOLS AND NOTATIONS ON THIS PLAN. SEE THE FURNITURE SCHEDULE FOR THE SPECIFICATIONS OF THE FURNITURE AND FIXTURES.
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200 PARK PLACE

HARTFORD, CONNECTICUT

THE MEAD GROUP

Architects & Interiors
12 Bruce Road
Westport, CT 06880
(203) 521-0132

Date: 1/12/94
Scale: 1/8" = 1'-0"
Drawn by: JMB
Checked by: JMB
Title: 14th Floor

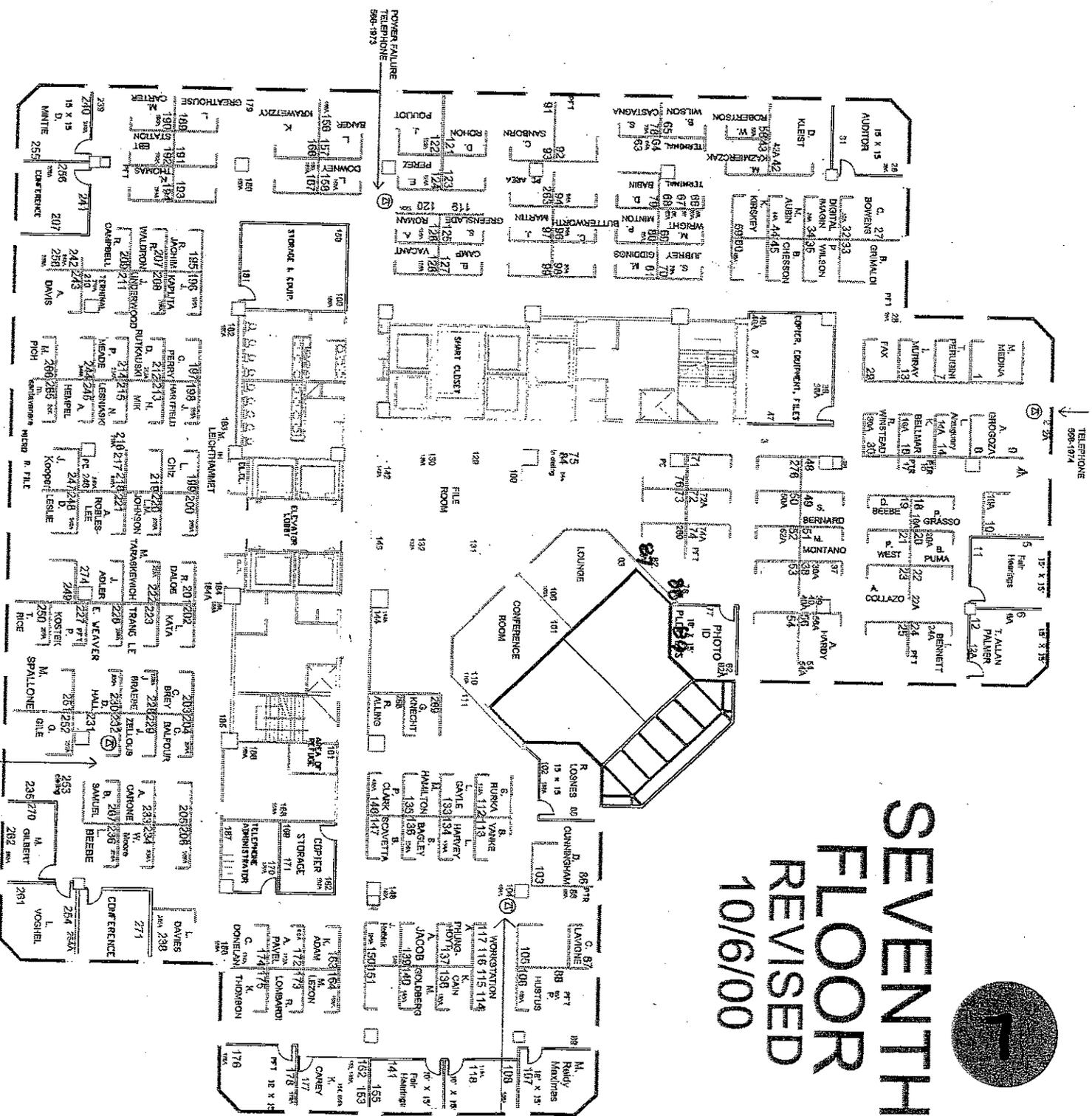
FLOOR FORTTEEN FURNITURE PLAN

SF14



SEVENTH FLOOR

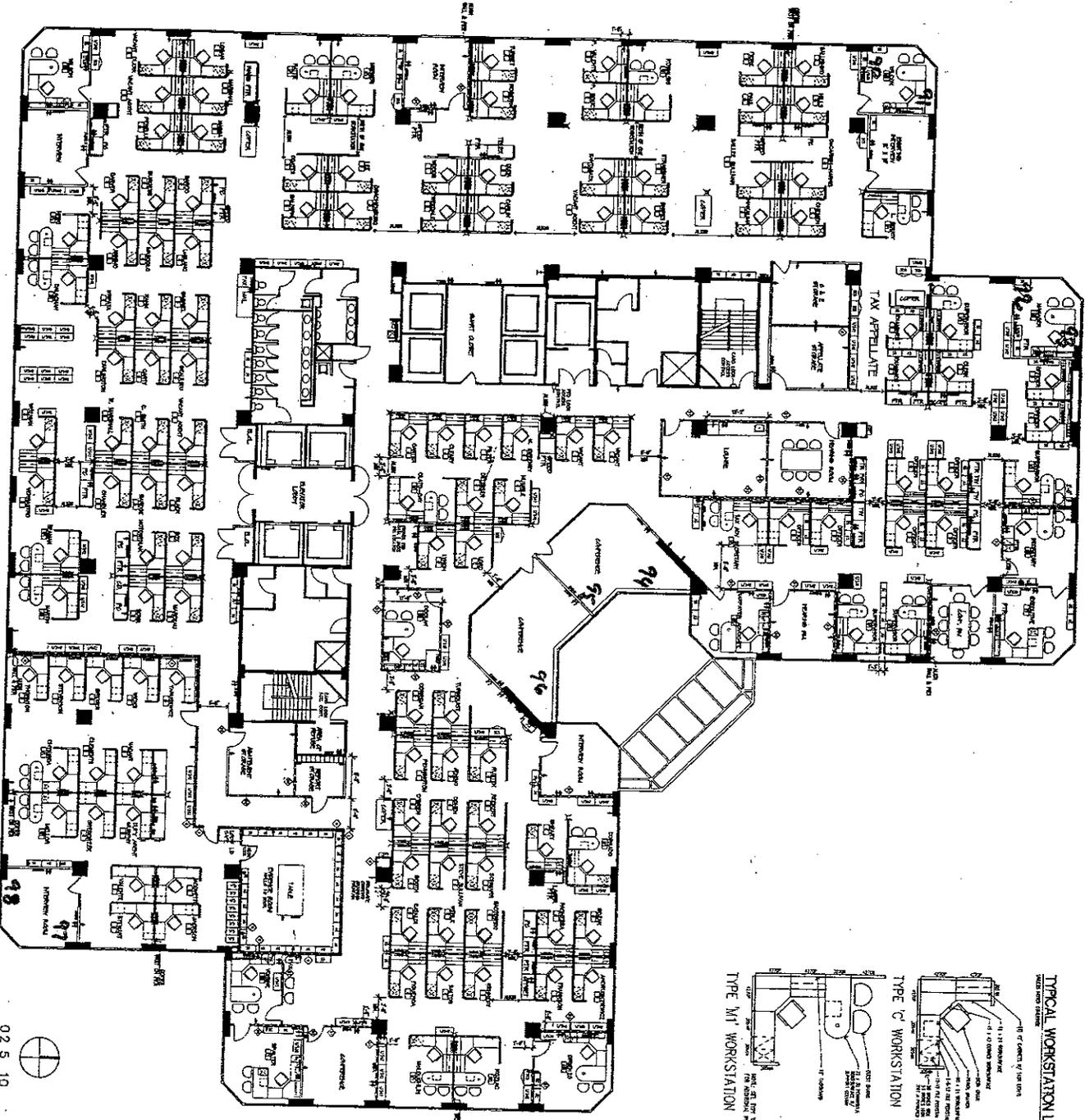
REVISED 10/6/00



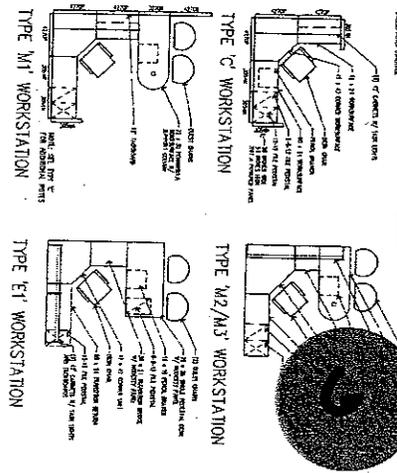
POWER FAILURE
TELEPHONE
598-1973

TELEPHONE
598-1974

FLOOR SKY FURNITURE PLAN



TYPICAL WORKSTATION LEGEND



FLING & SHELVING LEGEND

- 1) LITERATURE - 3 SHELVES - 48" HIGH
- 2) LITERATURE - 2 SHELVES - 48" HIGH
- 3) LITERATURE - 1 SHELF - 48" HIGH
- 4) STORAGE - 2 SHELVES - 48" HIGH
- 5) STORAGE - 1 SHELF - 48" HIGH
- 6) STORAGE - 2 SHELVES - 36" HIGH
- 7) STORAGE - 1 SHELF - 36" HIGH
- 8) STORAGE - 2 SHELVES - 24" HIGH
- 9) STORAGE - 1 SHELF - 24" HIGH
- 10) STORAGE - 2 SHELVES - 12" HIGH
- 11) STORAGE - 1 SHELF - 12" HIGH

SYMBOL LEGEND

- 1) DESK CHAIR
- 2) DESK CHAIR (2x)
- 3) DESK CHAIR (3x)
- 4) DESK CHAIR (4x)
- 5) DESK CHAIR (5x)
- 6) DESK CHAIR (6x)
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- 100) DESK CHAIR (100x)

GENERAL NOTES:

1. VERIFY ALL DIMENSIONS AND LOCATIONS WITH THE OWNER.
2. VERIFY ALL DIMENSIONS AND LOCATIONS WITH THE ARCHITECT.
3. VERIFY ALL DIMENSIONS AND LOCATIONS WITH THE CONTRACTOR.
4. VERIFY ALL DIMENSIONS AND LOCATIONS WITH THE MANUFACTURER.
5. VERIFY ALL DIMENSIONS AND LOCATIONS WITH THE SUPPLIER.
6. VERIFY ALL DIMENSIONS AND LOCATIONS WITH THE INSTALLER.
7. VERIFY ALL DIMENSIONS AND LOCATIONS WITH THE MAINTENANCE PERSONNEL.
8. VERIFY ALL DIMENSIONS AND LOCATIONS WITH THE USER.
9. VERIFY ALL DIMENSIONS AND LOCATIONS WITH THE DESIGNER.
10. VERIFY ALL DIMENSIONS AND LOCATIONS WITH THE CLIENT.

