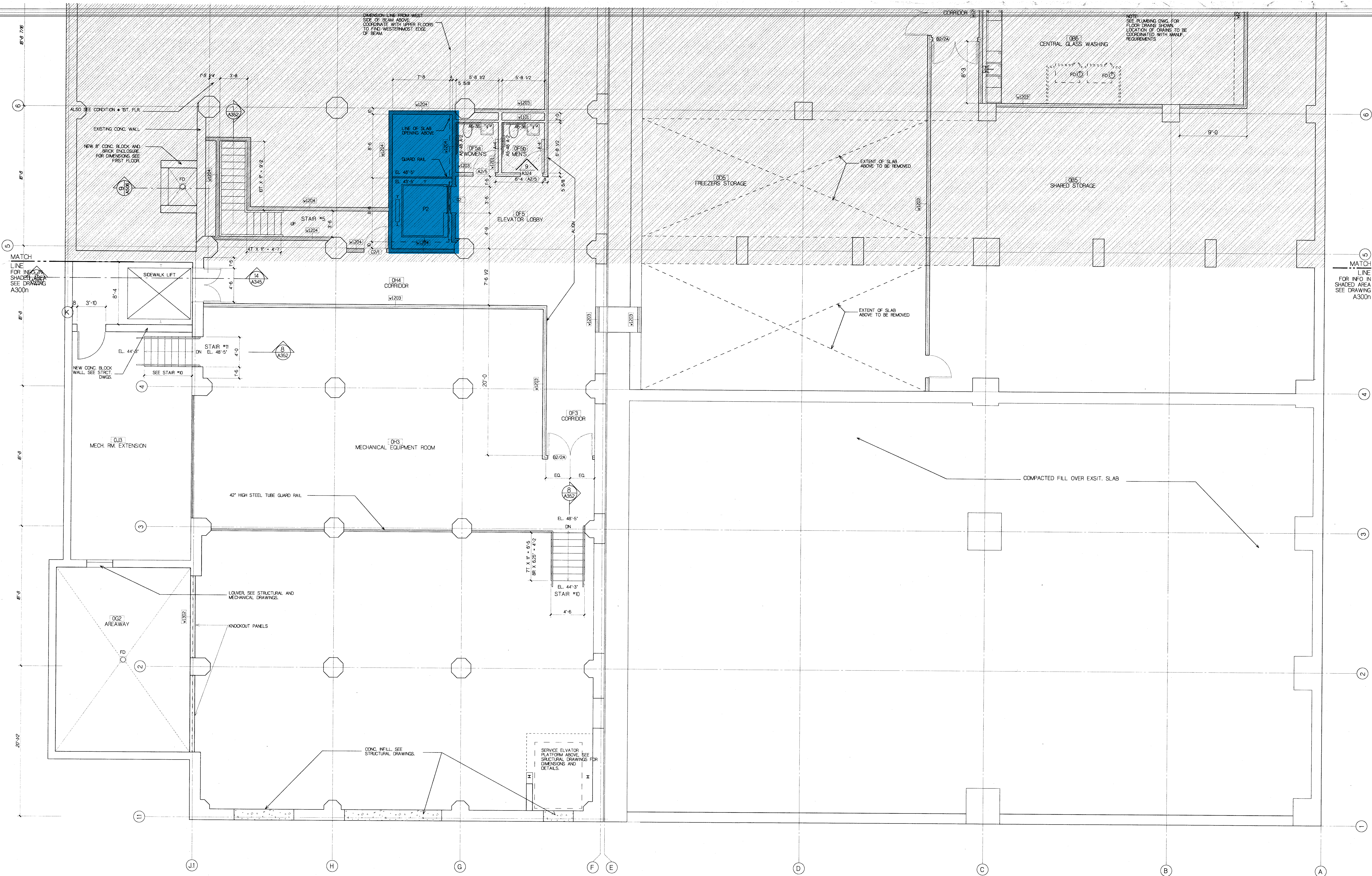


# IHV - Reference Drawings



10 JAN 94 ISSUED FOR CONSTRUCTION  
08 NOV 93 100% GMP SUBMISSION  
09 SEP 93 GMP SUBMISSION

Department of General Services  
Project Administrator \_\_\_\_\_ Date \_\_\_\_\_  
Director, Engineering and Construction \_\_\_\_\_ Date \_\_\_\_\_  
University of Maryland at Baltimore  
Project Manager \_\_\_\_\_ Date \_\_\_\_\_  
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Associated Architects  
BWJ, Inc.  
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Baltimore, Maryland 21218  
Phone 301.467.3760 Fax 301.243.2669

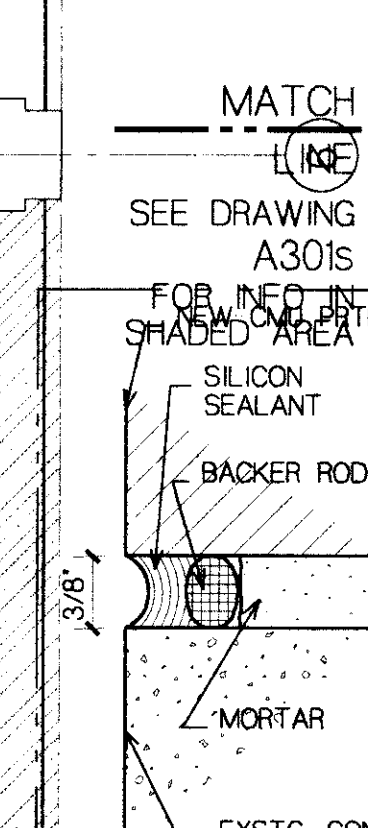
**Maryland Biotechnology Institute**  
Medical Biotechnology Center  
725 Lombard Street  
Baltimore, Maryland

DGS Project No. U1-000-901-001  
UMAB Project No. 92-801  
Construction Documents

LOMBARD STREET  
LEMMON STREET

Architectural Plan  
Basement Floor South

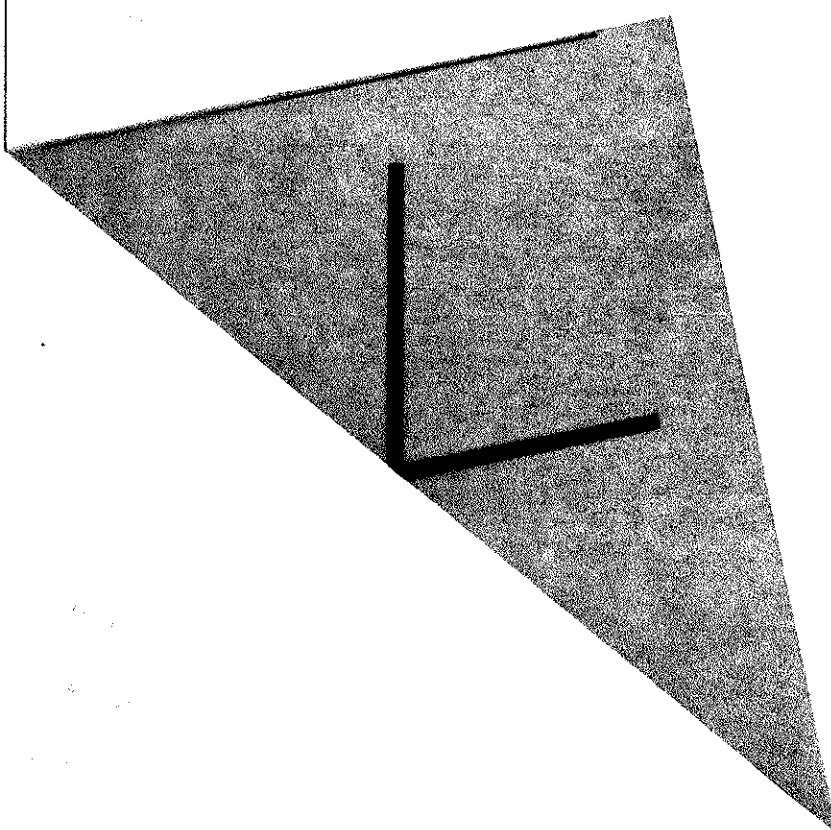
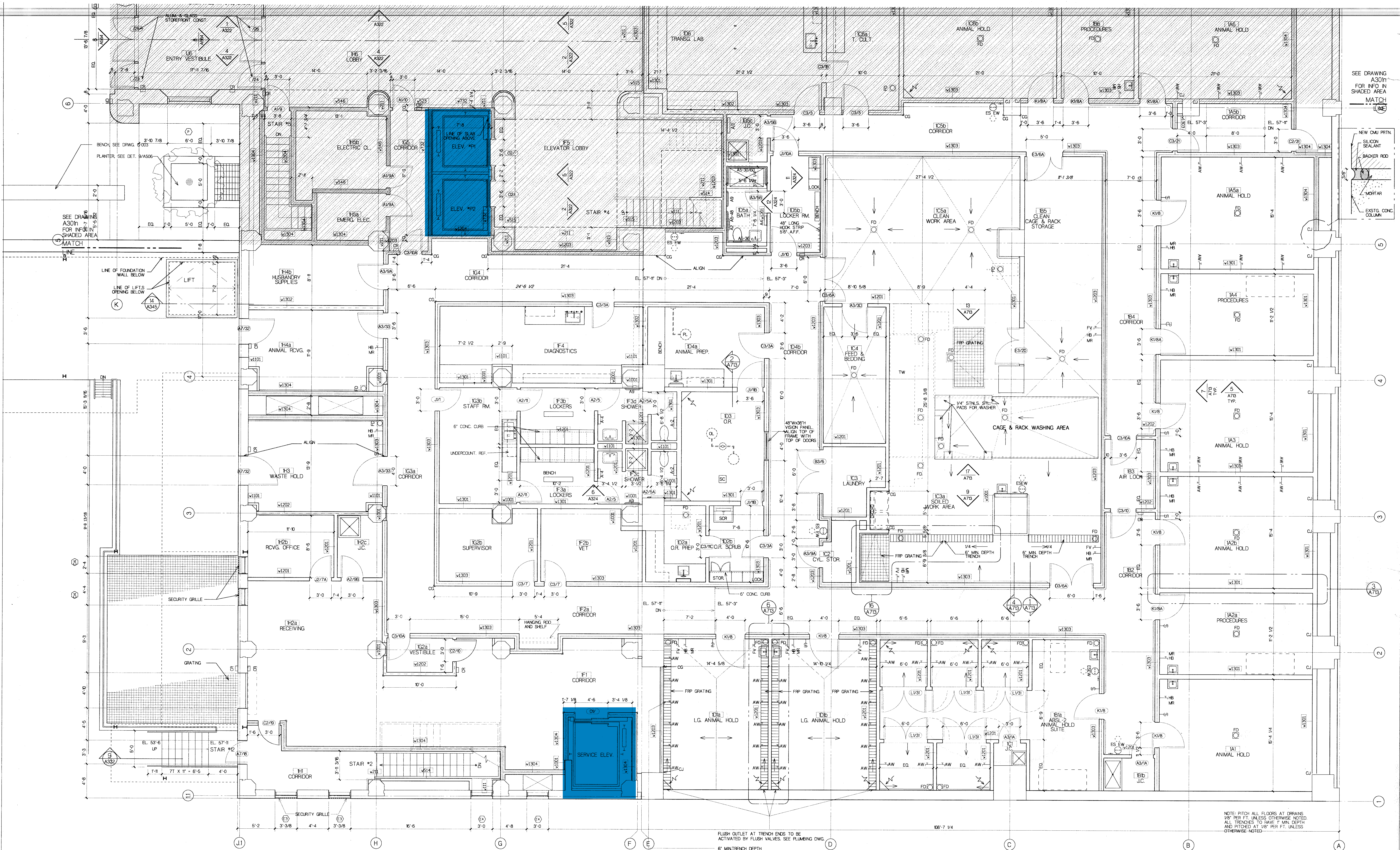
TITLE  
DATE 09 SEP 93  
SCALE 1/4" = 1'-0"  
DRAWN AN  
JOB NO. 908



|                                         |              |
|-----------------------------------------|--------------|
| Architectural Plan<br>First Floor North |              |
| TITLE                                   |              |
| DATE                                    | 09 SEP 93    |
| SCALE                                   | 1/4" = 1'-0" |
| DRAWN                                   | AN           |
| JOB NO.                                 | 9128         |

**A301n**

NO. 11 OF 91 DRAWINGS



10 JAN 94  
08 NOV 93  
08 SEP 93

| DATE      | ISSUE              |
|-----------|--------------------|
| 10 JAN 94 | CONSTRUCTION       |
| 08 NOV 93 | 002 GMP SUBMISSION |
| 08 SEP 93 | 001 GMP SUBMISSION |

Department of General Services  
Project Administrator  
Director, Engineering and Construction  
University of Maryland at Baltimore

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Davis, Brody & Associates  
315 Hudson Street  
New York, New York 10013  
Phone 212.633.4700 Fax 212.633.4761

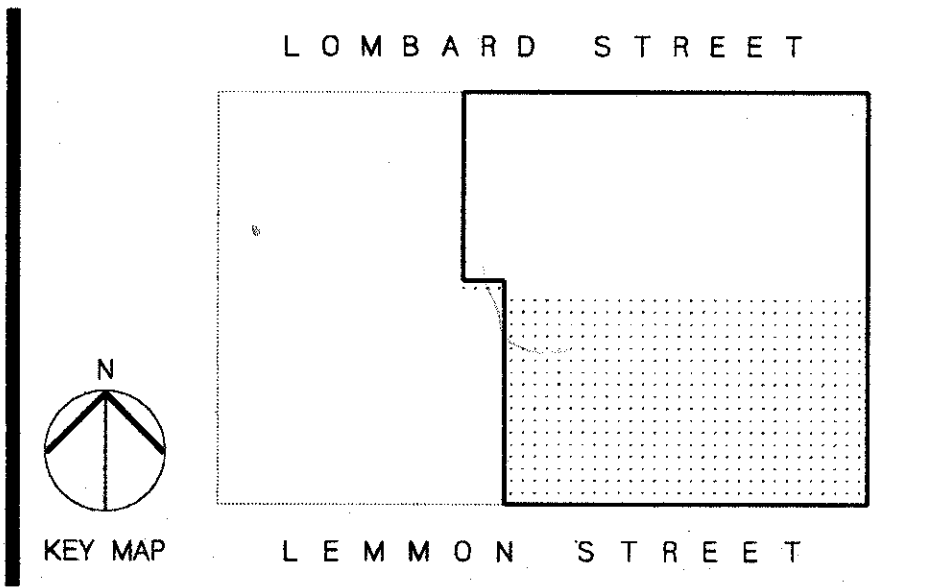
Associated Architects  
BWA, Inc.  
2701 North Charles Street  
Baltimore, Maryland 21208  
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GPR Planners Collaborative, Inc.  
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**Maryland Biotechnology Institute**  
Medical Biotechnology Center  
725 Lombard Street  
Baltimore, Maryland

DGS Project No. UM-000-901-001  
UMAB Project No. 92-801

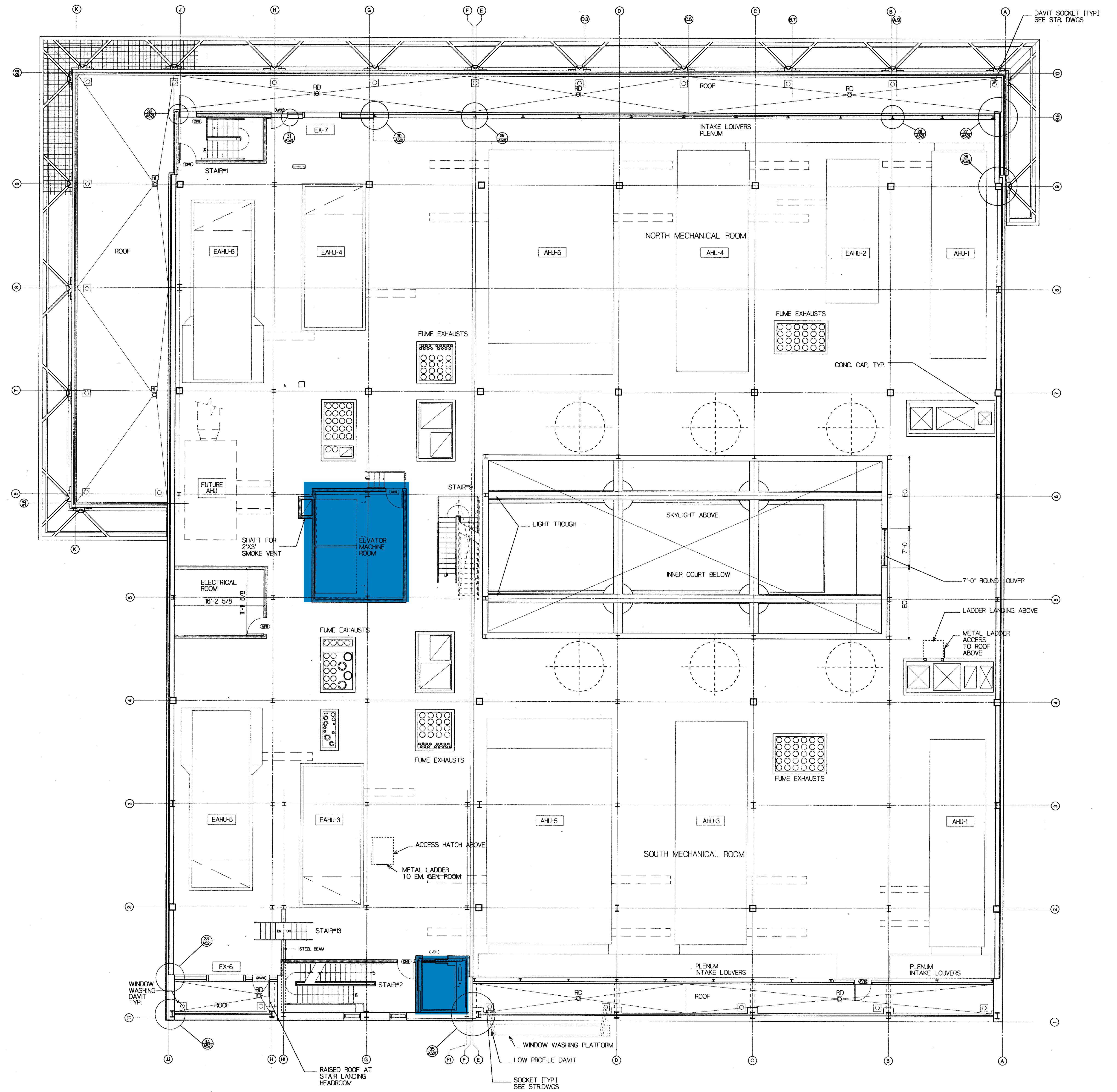
Construction Documents



Architectural Plan  
First Floor South

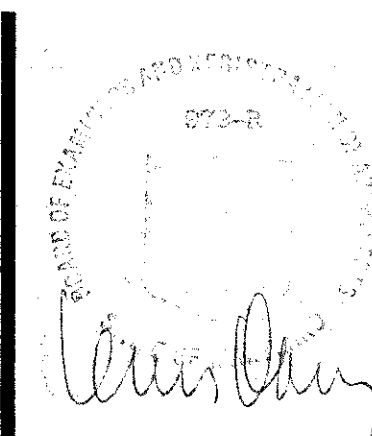
TITLE  
DATE 09 SEP 93  
SCALE 1/4" = 1'-0"  
DRAWN AN  
JOB NO. 928

**A301s**  
NO. 10 OF 61 DRAWINGS



01 JAN 94 ISSUED FOR CONSTRUCTION  
08 NOV 93 100% GMP SUBMISSION  
03 SEP 93 GMP SUBMISSION  
NO. DATE ISSUE  
1

Department of General Services  
Project Administrator Date  
Director, Engineering and Construction Date  
University of Maryland at Baltimore  
Project Manager Date  
APPROVALS



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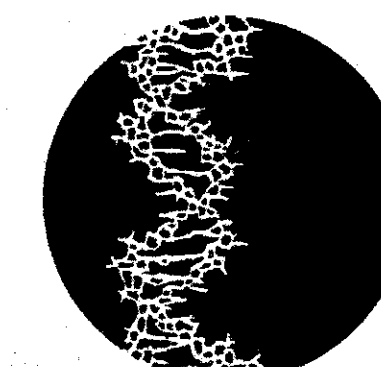
M/E/P & FP Engineers  
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Laboratory Planners  
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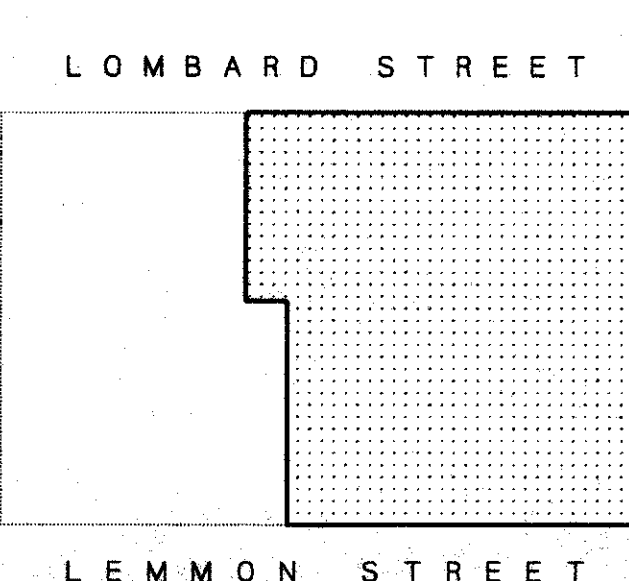
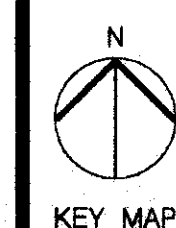
Architects  
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**Maryland Biotechnology Institute**  
Medical Biotechnology Center  
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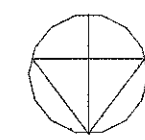
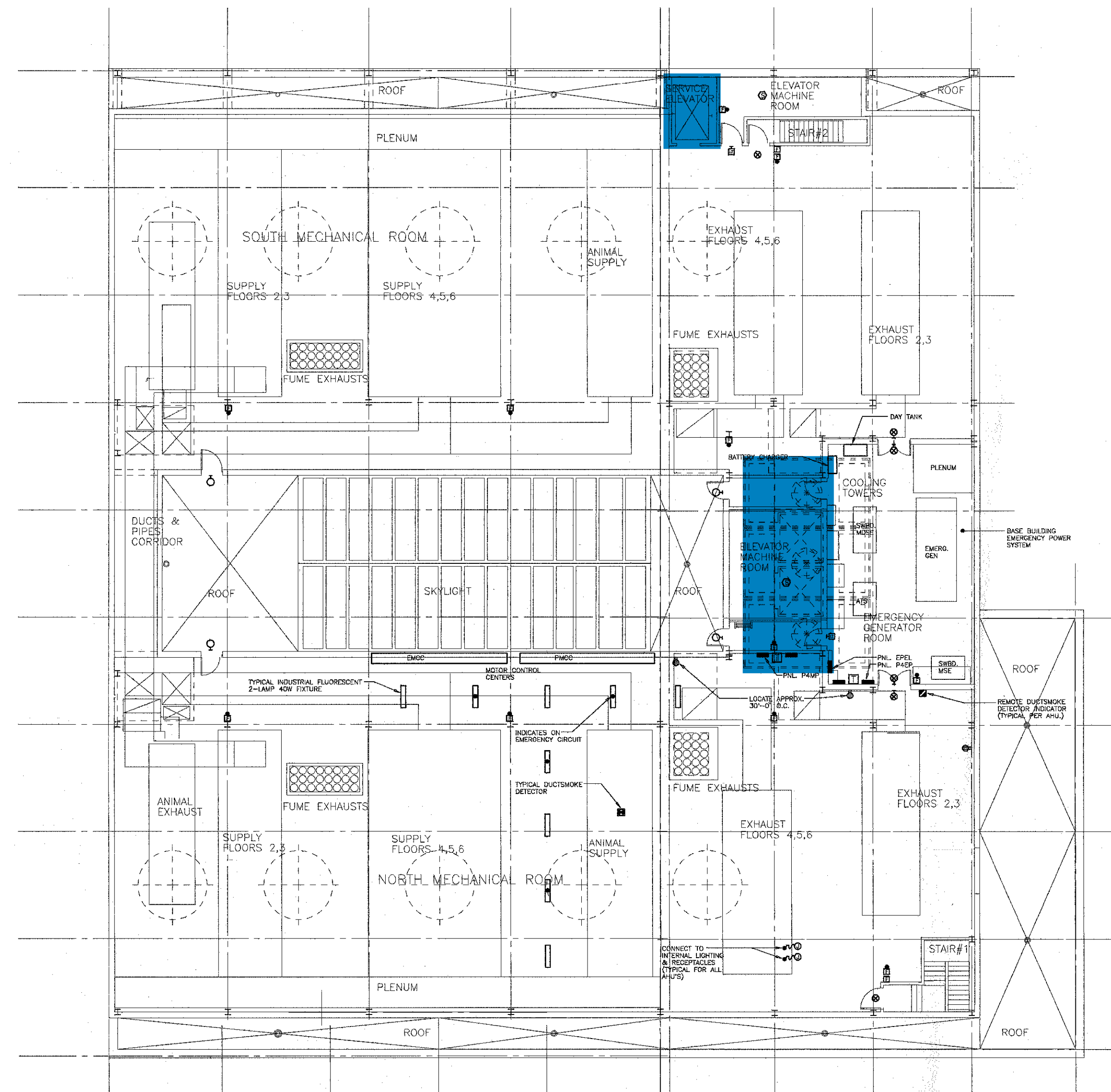
DGS Project No. UH-000-901-001  
UMAB Project No. 92-801  
Construction Documents



Architectural Plan  
Mechanical Penthouse

TITLE  
DATE 09 SEP 93  
SCALE 1/8" = 1'-0"  
DRAWN AN  
JOB NO. 928

**A307**  
NO. 24 OF 87 DRAWINGS



HUTLER'S SERVICE BUILDING  
PENTHOUSE/ROOF

WAREHOUSE #10  
PENTHOUSE/ROOF

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FAX (410) 539-5817

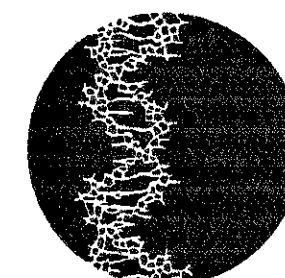
M/E/P & FP Engineers  
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FAX (914) 997-0571

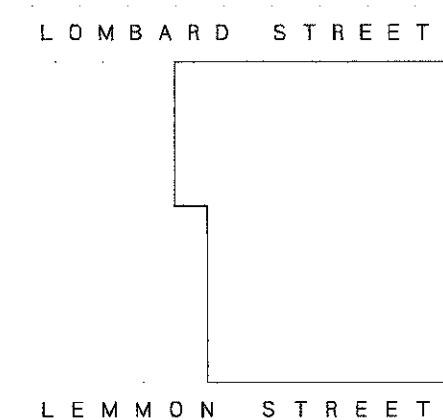
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## Maryland Biotechnology Institute Medical Biotechnology Center



DGS PROJECT NO. U-000-901-001  
UMAB PROJECT NO. 92-801



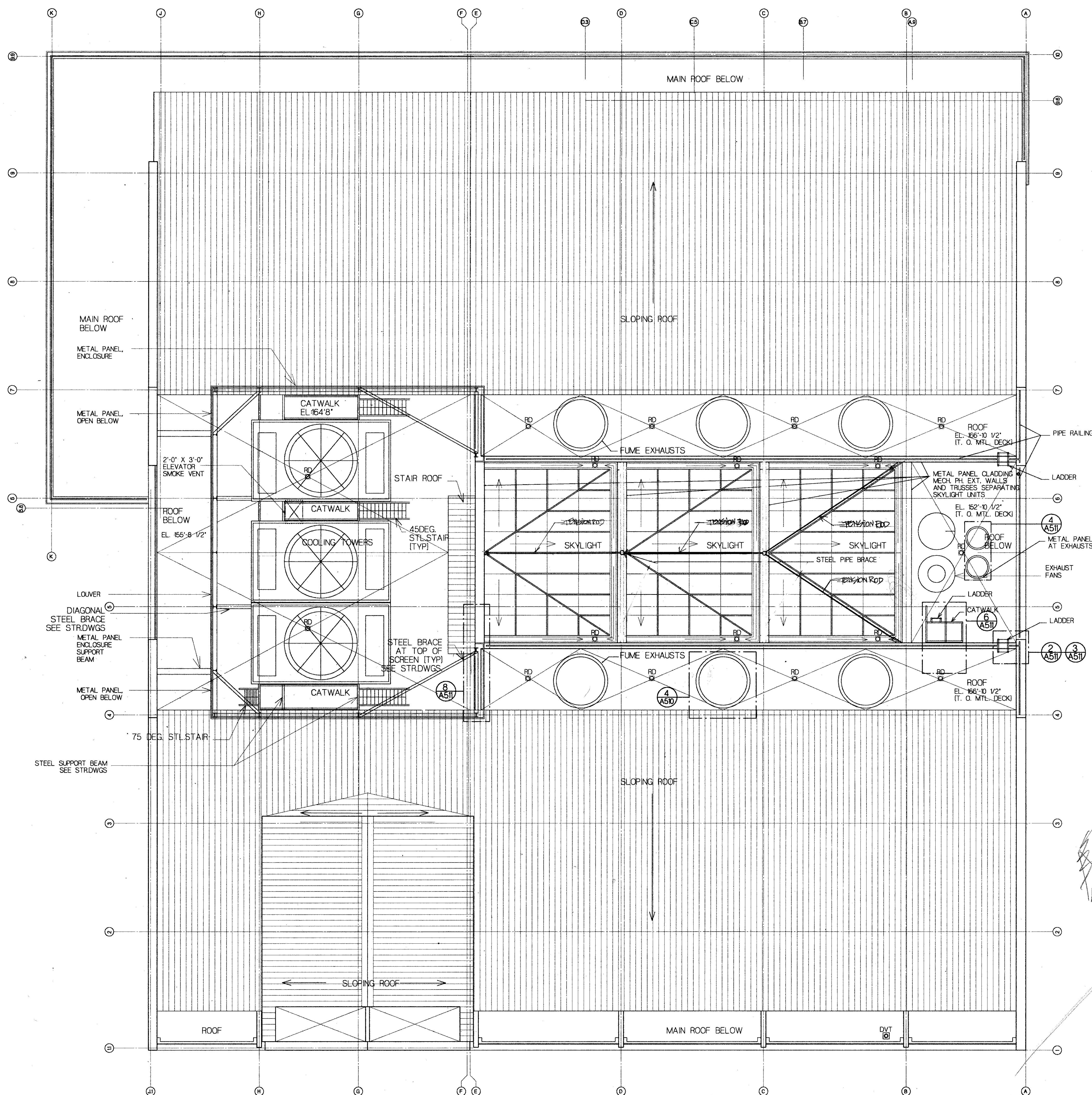
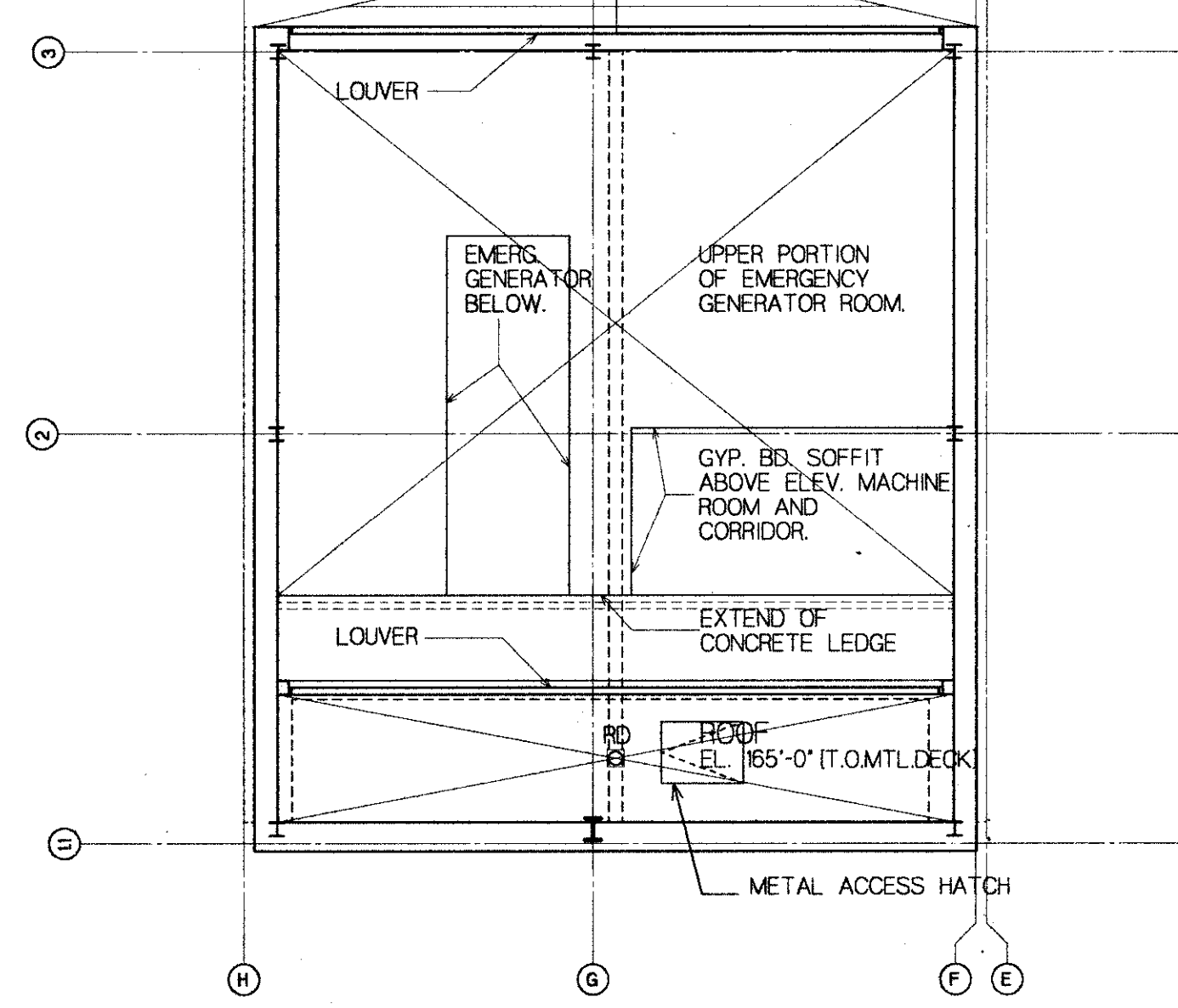
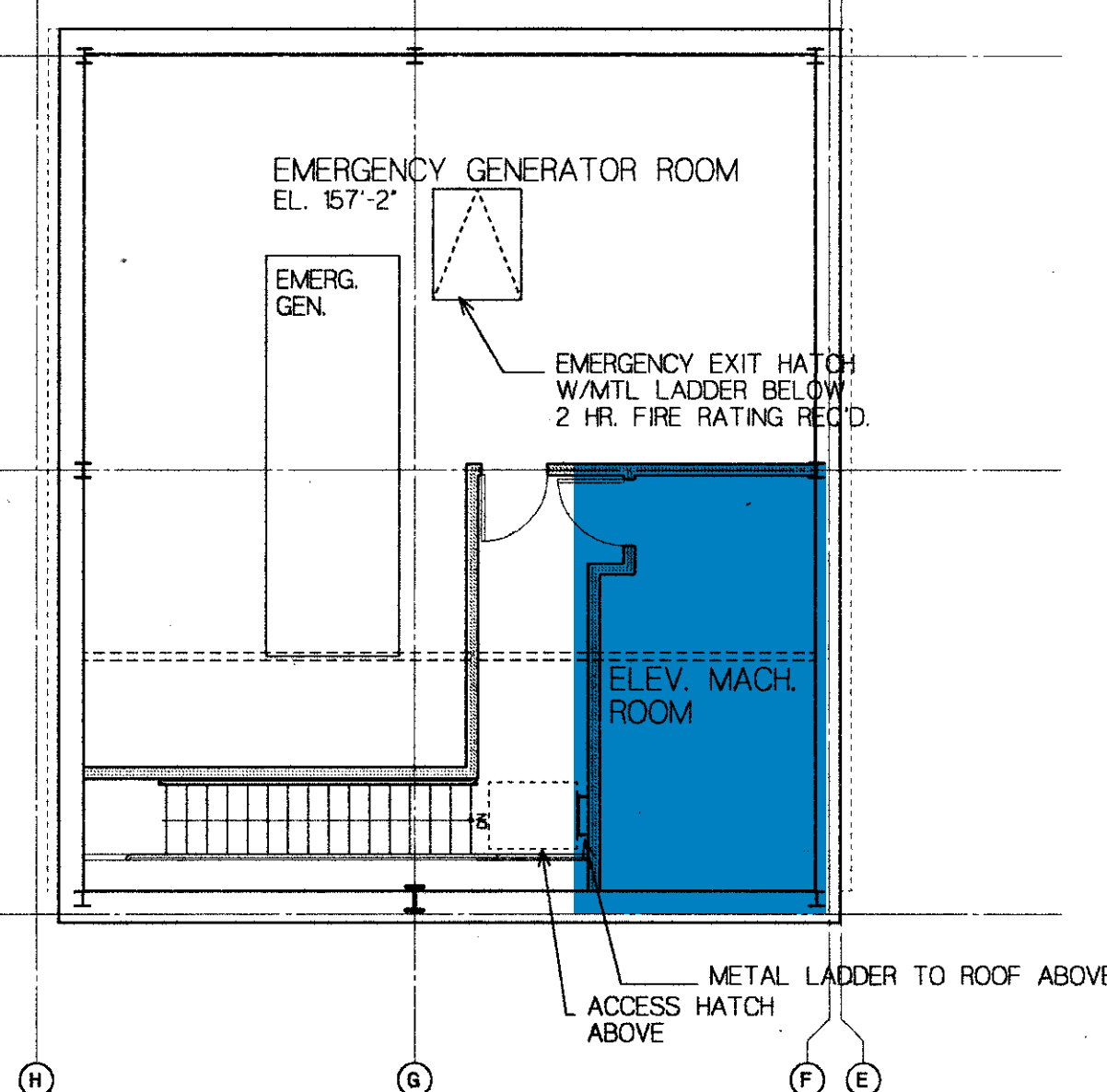
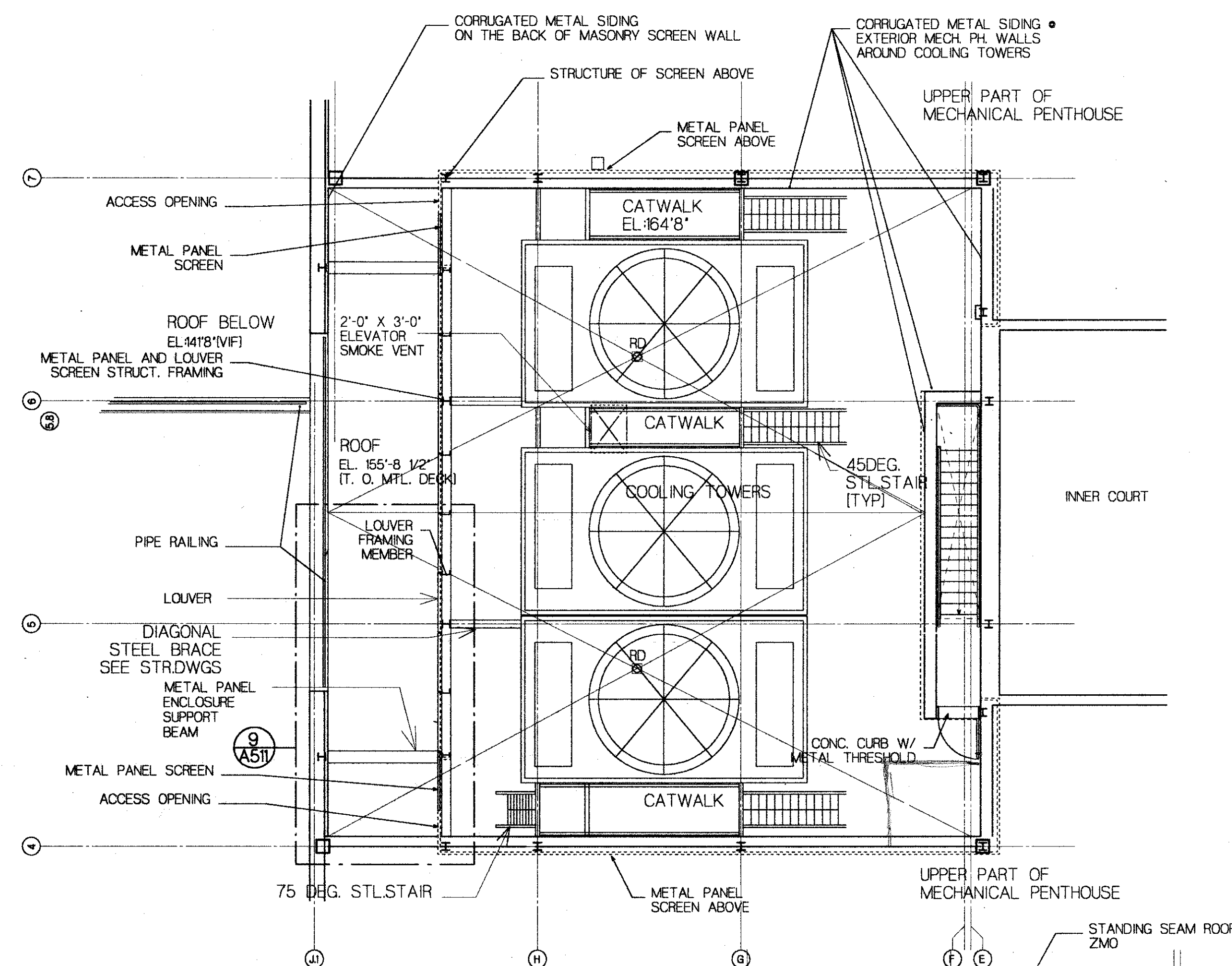
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TITLE  
DATE 31 AUG 92  
SCALE 1/8" = 1'-0"  
DRAWN EW  
JOB NO. 9128

E-4  
DRAWING NO.

8089/92-801/E-4

### 3 PART. PLAN: ROOF AT COOLING TOWERS



1 PART. PLAN: EMERGENCY GENERATOR ROOM

2 PART. PLAN: EMERGENCY GENERATOR ROOM UPPER LEVEL

ISSUED FOR CONSTRUCTION  
10 JUN 94  
08 NOV 93 103 GMP SUBMISSION  
08 SEP 93 GMP SUBMISSION  
1

Department of General Services  
Project Administrator \_\_\_\_\_ Date \_\_\_\_\_  
Director, Engineering and Construction \_\_\_\_\_ Date \_\_\_\_\_  
University of Maryland at Baltimore  
Project Manager \_\_\_\_\_ Date \_\_\_\_\_  
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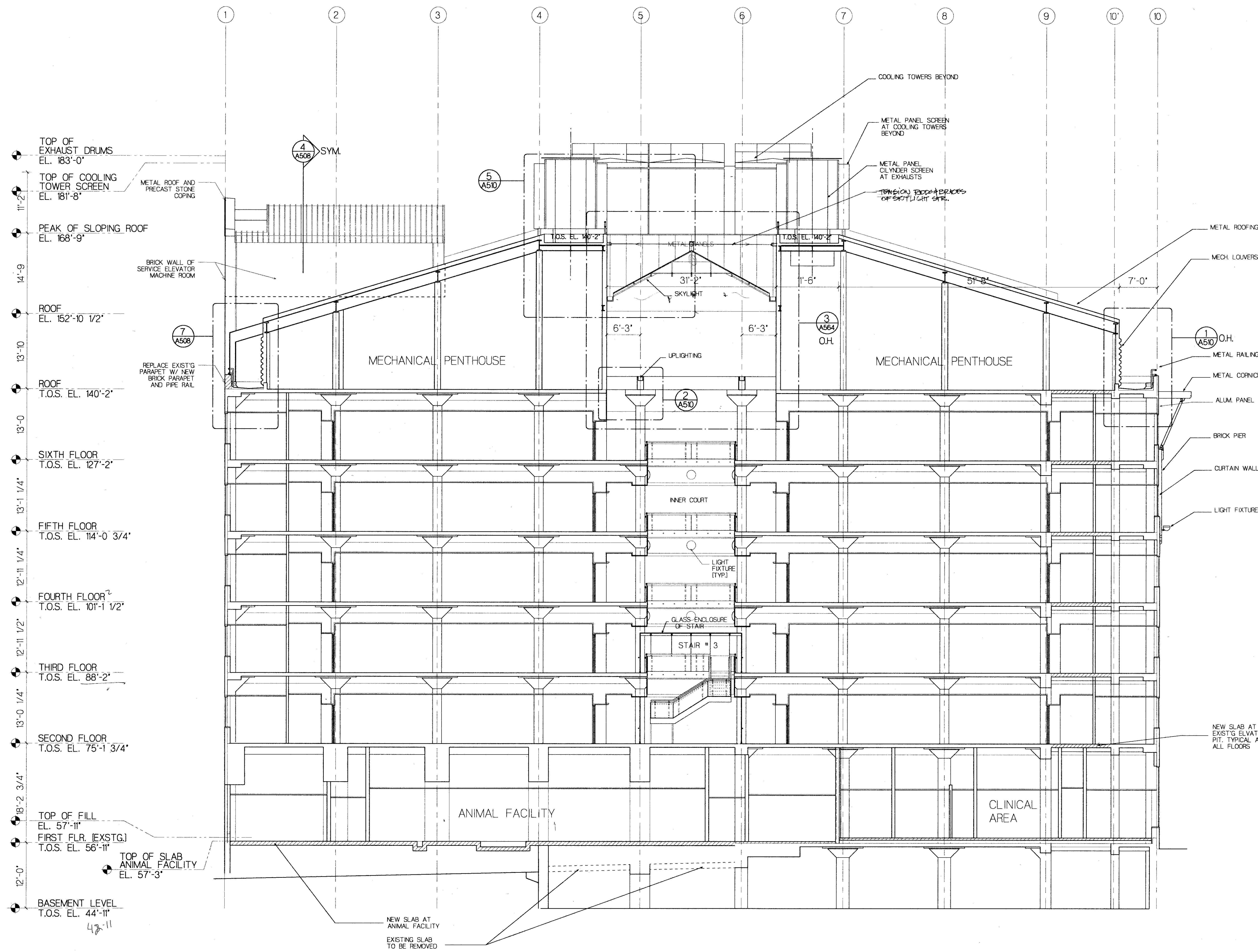
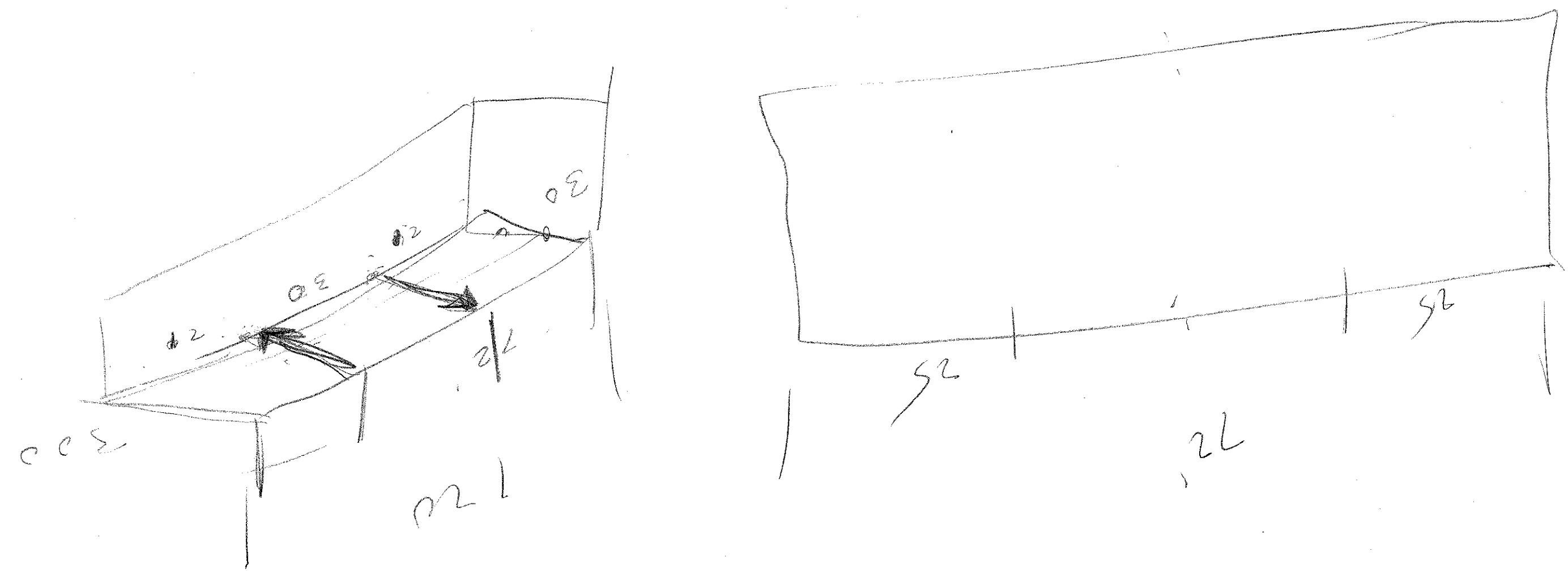
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**Maryland Biotechnology Institute**  
Medical Biotechnology Center  
725 Lombard Street  
Baltimore, Maryland  
DGS Project No. UH-000-901-001  
UMAB Project No. 92-801  
Construction Documents

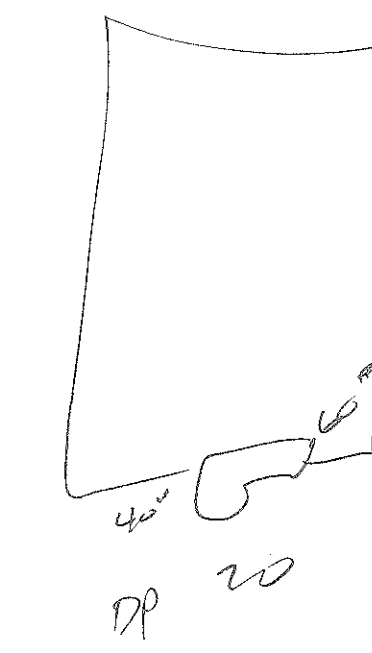
LOMBARD STREET  
LEMON STREET  
KEY MAP

Architectural Plan  
Roof  
TITLE  
DATE 08 SEP 93  
SCALE 1/8" = 1'-0"  
DRAWN AN  
JOB NO. 928  
NO. 30 OF 67 DRAWINGS  
**A308**



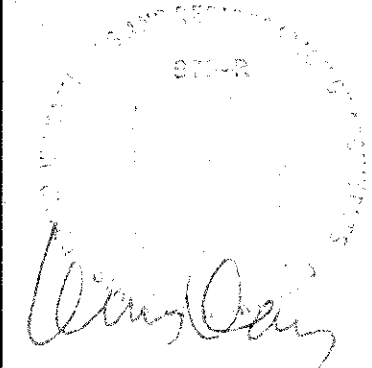
152' 10.5"  
45  
107  
108  
4831  
47+3=50 PSIG

140  
156  
45  
111  
48  
53



3 01/01/94 ISSUED FOR CONSTRUCTION  
2 11/09/93 100% GMP SUBMISSION  
1 03/09/93 GMP SUBMISSION

Department of General Services  
Project Administrator \_\_\_\_\_ Date \_\_\_\_\_  
Director, Engineering and Construction \_\_\_\_\_ Date \_\_\_\_\_  
University of Maryland at Baltimore  
Project Manager \_\_\_\_\_ Date \_\_\_\_\_  
APPROVALS

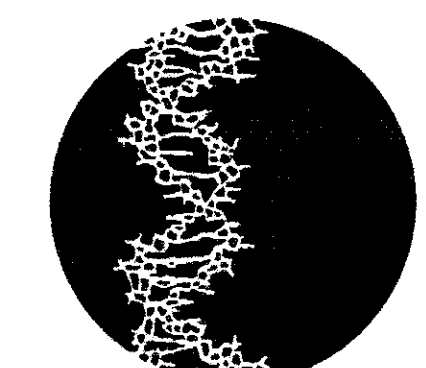


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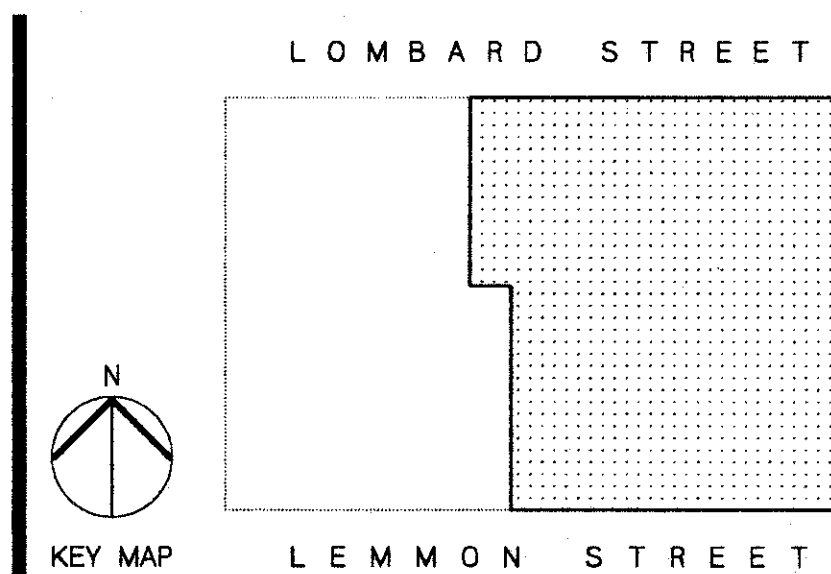
M/E/P & FF Engineers  
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**Maryland Biotechnology Institute**  
Medical Biotechnology Center  
725 Lombard Street  
Baltimore, Maryland



DGS Project No. UM-000-901-001  
UMAB Project No. 92-801  
Construction Documents



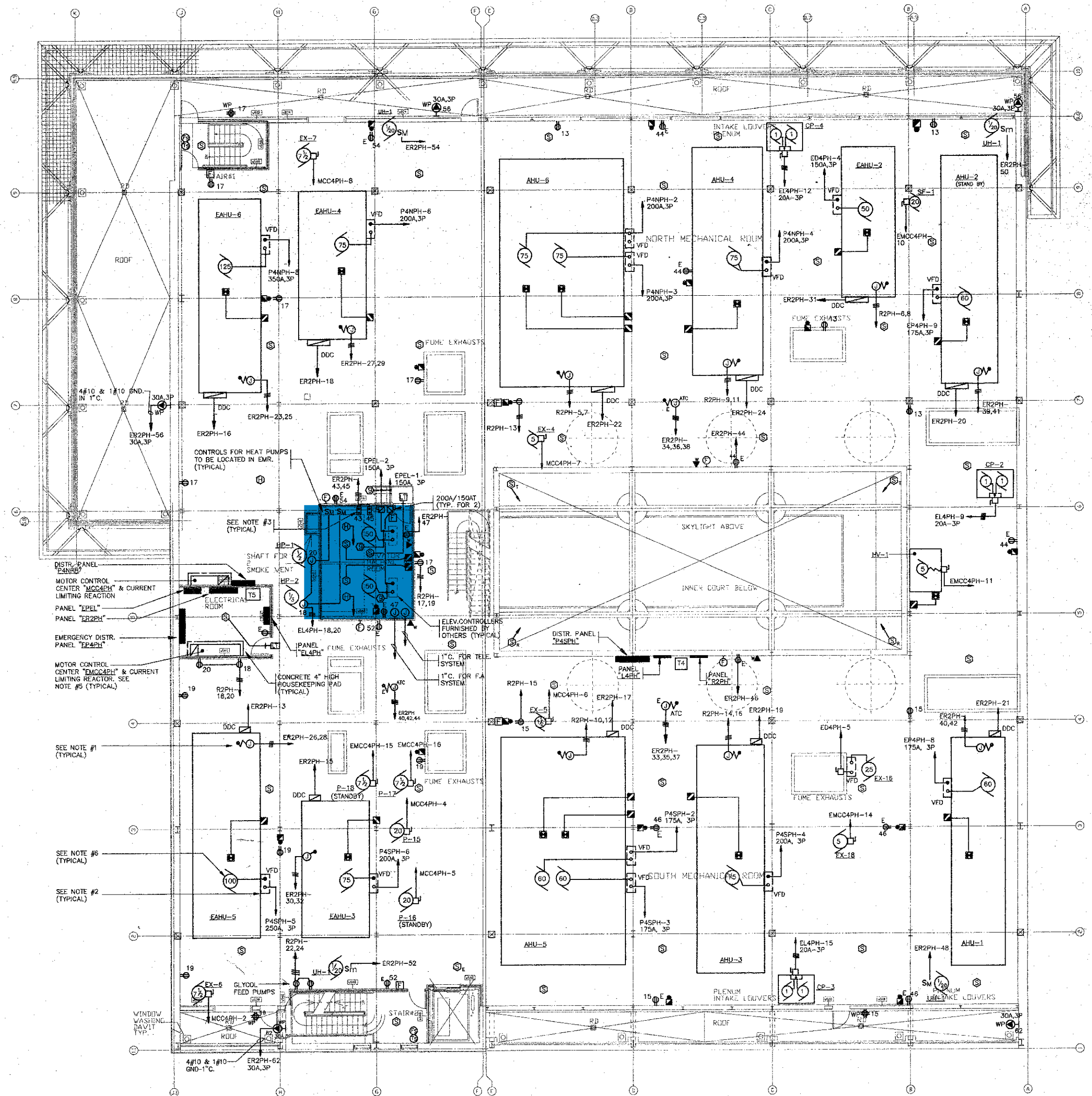
Building Section  
Looking West

TITLE  
DATE 09 SEP 93  
SCALE 1/8" = 1'-0"  
DRAWN AN  
JOB NO. 928

A211  
NO. 10 OF 61 DRAWINGS

# GENERAL POWER NOTES:

1. PROVIDE 120V POWER AT ALL AHU'S AS INDICATED FOR CONNECTION TO INTERNAL LIGHTING, SWITCHING, & RECEPTACLES BEING FURNISHED BY THE MANUFACTURER AS PART OF THE UNIT PACKAGE (TYPICAL).
2. ALL VARIABLE FREQUENCY DRIVE UNITS ARE FURNISHED AND INSTALLED COMPLETE BY HVAC WIRING BETWEEN VFD AND MOTOR AND SINGLE POINT POWER CONNECTION AT VFD IS BY THE ELECTRICAL CONTRACTOR. REFER TO TYPICAL DETAIL ON DWG. E400 FOR REQUIREMENTS.
3. PROVIDE A WALL MOUNTED 200A 1P CIRCUIT BREAKER IN AN APPROVED NEMA ENCLOSURE FOR ON-OFF CONTROL OF CAB-LIGHTING SWITCHES TO BE LOCATED IN EMERGENCY ROOM. (TYPICAL FOR 2).
4. REFER TO HVAC DWGS FOR EXACT LOCATIONS OF ALL EQUIPMENT PRIOR TO INSTALLATION OF ELECTRICAL BRANCH FEEDERS. (TYPICAL)
5. REFER TO DWG. E402 FOR MOTOR CONTROL CENTER AND DISTRIBUTION SCHEDULE SHEETS. (TYPICAL)
6. REFER TO MOTOR WIRING SCHEDULE ON DWG. E001 FOR WIRE AND CONDUIT REQUIREMENTS. (TYPICAL)



L:\JOBS\E-UM93\LEV7P 01/04/94 15:14

NO. DATE ISSUE  
1 08 NOV 93 100% G.M.P. SUBMISSION  
2 09 SEP 93 C.M.P. SUBMISSION

Department of General Services  
Project Administrator \_\_\_\_\_ Date \_\_\_\_\_  
Director, Engineering and Construction \_\_\_\_\_  
University of Maryland at Baltimore  
Project Manager \_\_\_\_\_ Date \_\_\_\_\_  
APPROVALS

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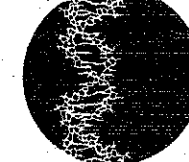
M/E/P & FP Engineers  
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Laboratory Planners  
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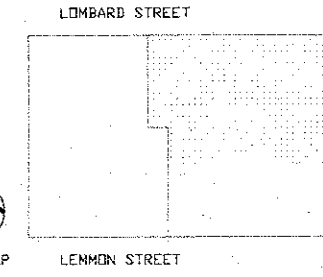
Architects  
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Maryland Biotechnology Institute  
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725 Lombard Street  
Baltimore, Maryland



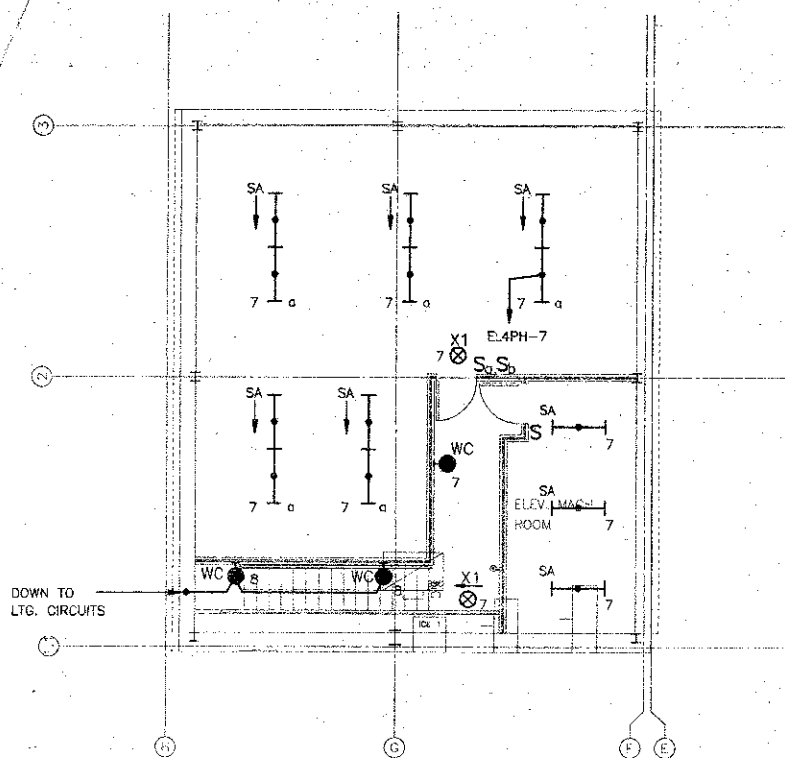
DGS Project No. U1-000-901-001  
UMAB Project No. 92-601  
Construction Documents



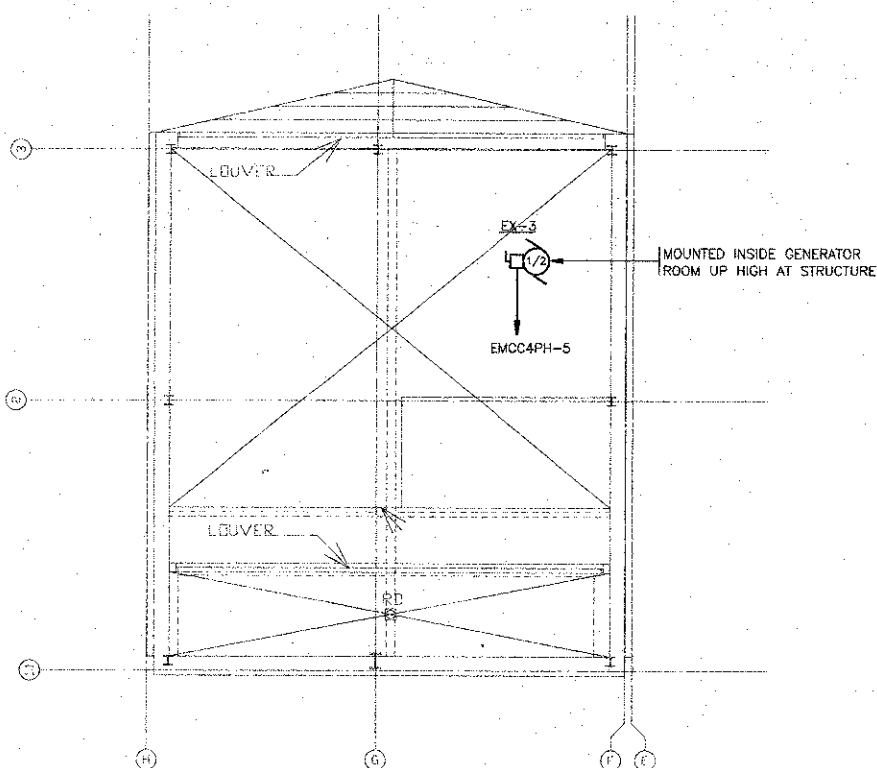
SEVENTH FLOOR  
POWER PLAN

TITLE  
DATE 10 JAN 94  
SCALE 1/8"=1'-0"  
DRAWN ECW  
JOB NO. \_\_\_\_\_  
NO. \_\_\_\_\_ OF \_\_\_\_\_ DRAWINGS

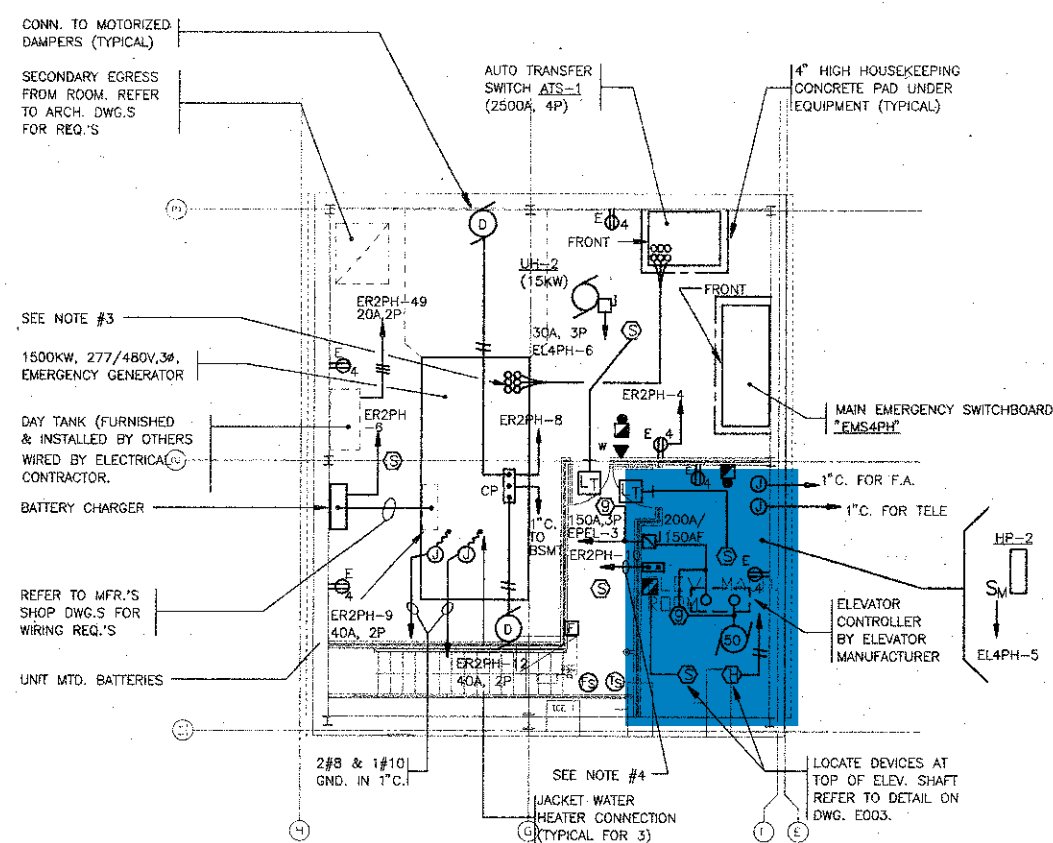
FOR CONSTRUCTION  
**E107P**



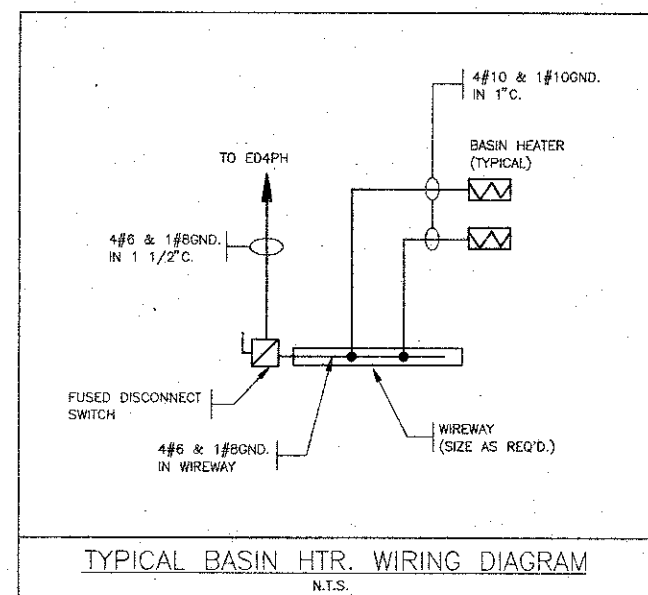
1 PART PLAN: EMERGENCY GENERATOR ROOM  
LIGHTING PLAN



2 PART PLAN: EMERGENCY GENERATOR ROOM  
UPPER LEVEL

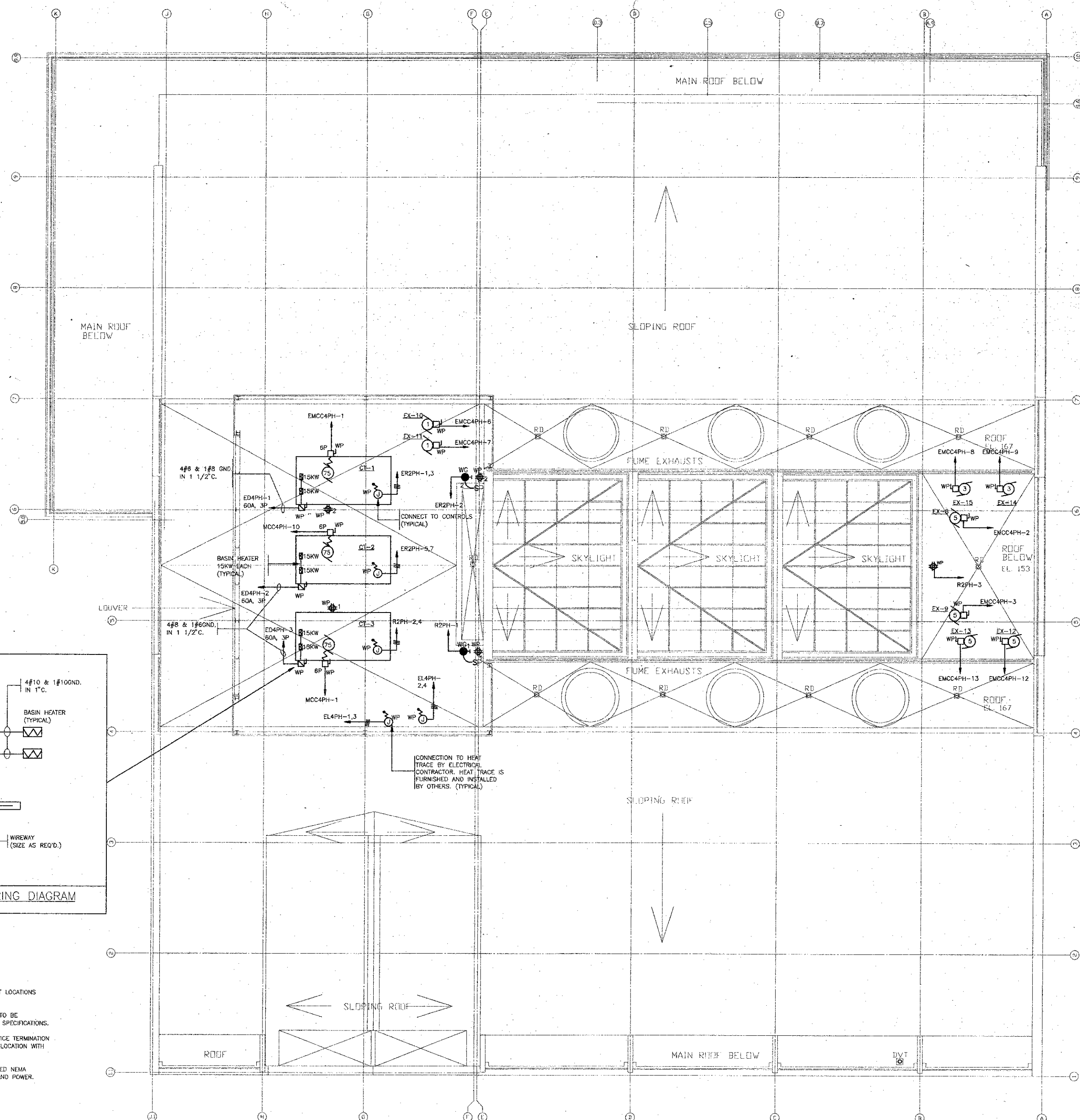


3 PART PLAN: EMERGENCY GENERATOR ROOM  
POWER PLAN



GENERAL NOTES:

1. REFER TO HVAC DRAWING, H108 FOR EXACT LOCATIONS OF ALL ROOF TOP EQUIPMENT.
2. ALL EXTERIOR DISCONNECT SWITCHES ARE TO BE WEATHERPROOF TYPE, NEMA 3R. REFER TO SPECIFICATIONS.
3. INDICATES APPROXIMATE LOCATION OF SERVICE TERMINATION POINT ON GENERATOR. COORDINATE EXACT LOCATION WITH GENERATOR MANUFACTURER.
4. PROVIDE CIRCUIT BREAKER IN WALL MOUNTED NEMA ENCLOSURE FOR ELEVATOR CAB LIGHTING AND POWER.



1/06/94 15:18

08 NOV 93 100% G.M.P. SUBMISSION  
09 SEP 93 G.M.P. SUBMISSION  
10 SEP 93 G.M.P. SUBMISSION

Department of General Services  
Project Administrator \_\_\_\_\_ Date \_\_\_\_\_  
Director, Engineering and Construction  
University of Maryland at Baltimore  
Project Manager \_\_\_\_\_ Date \_\_\_\_\_  
APPROVALS

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Maryland Biotechnology Institute  
Medical Biotechnology Center  
725 Lombard Street  
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DGS Project No. U1-000-901-001  
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Construction Documents



ROOF PLAN  
POWER PLAN

TITLE  
DATE 10 JAN 94  
SCALE 1/8"=1'-0"  
DRAWN DAB  
JOB NO. \_\_\_\_\_  
FOR CONSTRUCTION  
E108P  
NO. OF DRAWINGS

