

CONTRACT DOCUMENTS FOR WAYNE STATE UNIVERSITY

609 - CS MOTT BUILDING WSU PROJECT NO. 609-248861 ELECTRICAL RELIABILITY UPGRADES - BID PACKAGE No. 6 FOR BID 1-21-2015

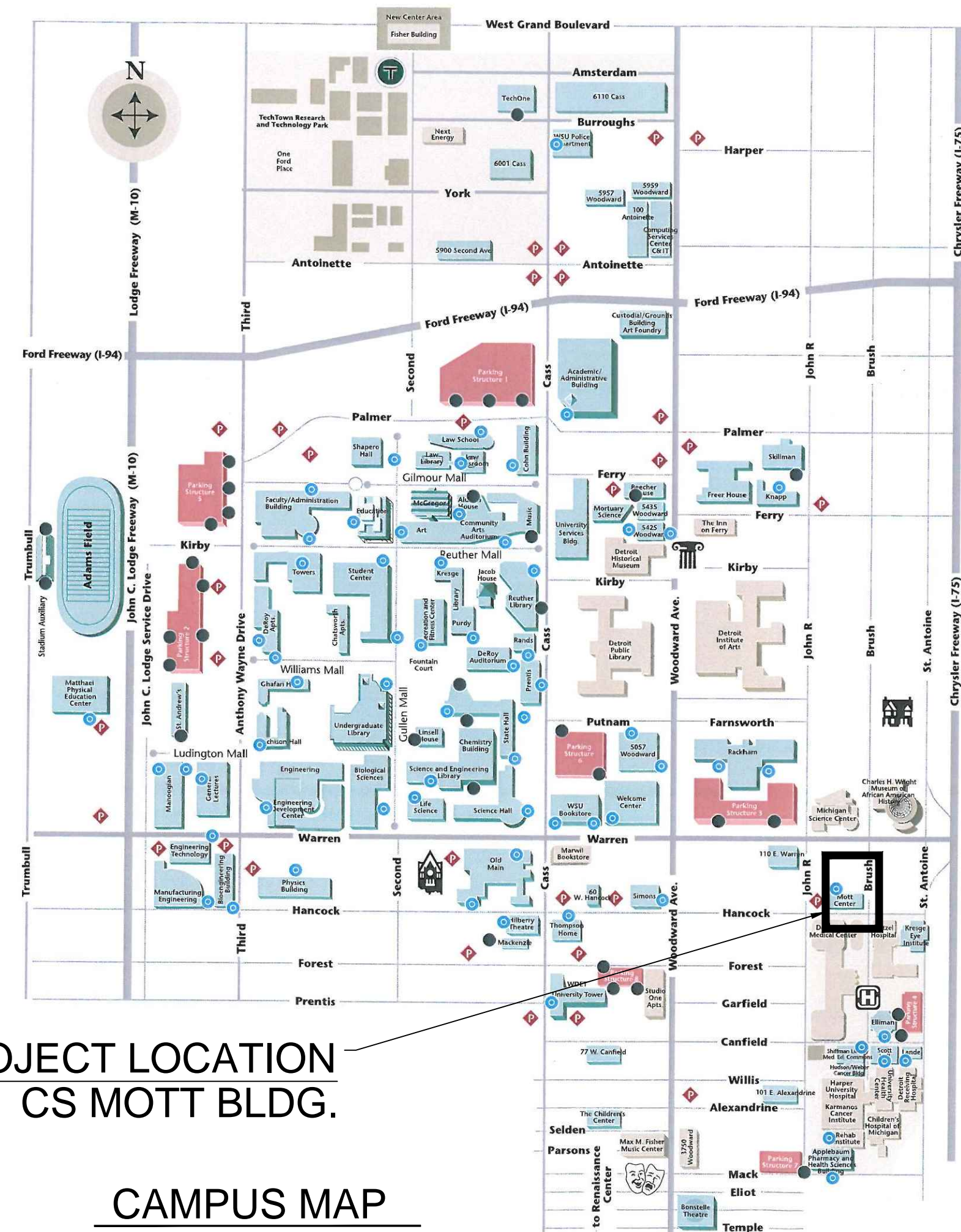
OWNER
WAYNE STATE UNIVERSITY

Facilities Planning & Management
Design & Construction Services
5454 Cass Avenue
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CONSULTANT

Commonwealth
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2700 W. Argyle Street
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- NON-REVISED SHEET IN THIS ISSUE

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WAYNE STATE UNIVERSITY

609 - CS MOTT BUILDING
275 E. HANCOCK DRIVE
ELECTRICAL RELIABILITY UPGRADES PROJ. No. 609-248861

WAYNE STATE UNIVERSITY
FACILITIES PLANNING & MANAGEMENT
5454 CASS AVENUE DETROIT, MICHIGAN

| | |
|-------------|--------------|
| DLM | DA |
| DESIGNED BY | PROJECT LEAD |
| DHP | JDM |
| DESIGNED BY | REVIEWED BY |
| APPROVED BY | DATE |

| MARK | ISSUED FOR/REVISIONS | DATE |
|------|----------------------|------------|
| A | OWNERS REVIEW | 12-17-2014 |
| B | FOR BID | 1-21-2015 |

Engineers Seal

609-248861
CLIENT PROJECT NO.
320006
PROJECT NO.
AS SHOWN
SCALE

SHEET TITLE
COVER SHEET

SHEET NO.
C-0

REV NO.
B

609 - CS MOTT BUILDING
275 E. HANCOCK DRIVE

WAYNE STATE UNIVERSITY
FACILITIES PLANNING & MANAGEMENT
5454 CASS AVENUE DETROIT, MICHIGAN

ELECTRICAL RELIABILITY UPGRADES PROJ. NO. 609-248861

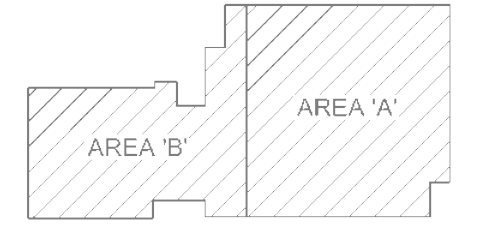
RENOVATION OF C.S. MOTT CENTER

FOR
NATIONAL INSTITUTES OF HEALTH
NATIONAL CENTER RESEARCH RESOURCES

WAYNE STATE UNIVERSITY
DETROIT, MICHIGAN

VIVARIUM RENOVATION GRANT
NO. 1G20RR 21574

C.S. MOTT RENOVATION GRANT
NO. 1G06RR 17527



KEY PLAN
NO SCALE

Date Issued For
08/19/04 NH SCHEMATIC DESIGN REVIEW
11/10/05 NH CONSTR. DOC. REVIEW
04/03/06 NH CONSTR. DOC. REVIEW
05/21/06 NH APPROVAL
10/19/06 E.O.S.
03/23/07 SHOP DRAWING 15640

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| DLM | DA |
| DESIGNED BY | PROJECT LEAD |
| DHP | JDM |
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| APPROVED BY | DATE |

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Engineers Seal

609-248861
CLIENT PROJECT NO.
320006
PROJECT NO.
AS SHOWN
SCALE

SHEET TITLE
ELECTRICAL ONE LINE DIAGRAM

SHEET NO.
E-101

Project Number: 67923.00

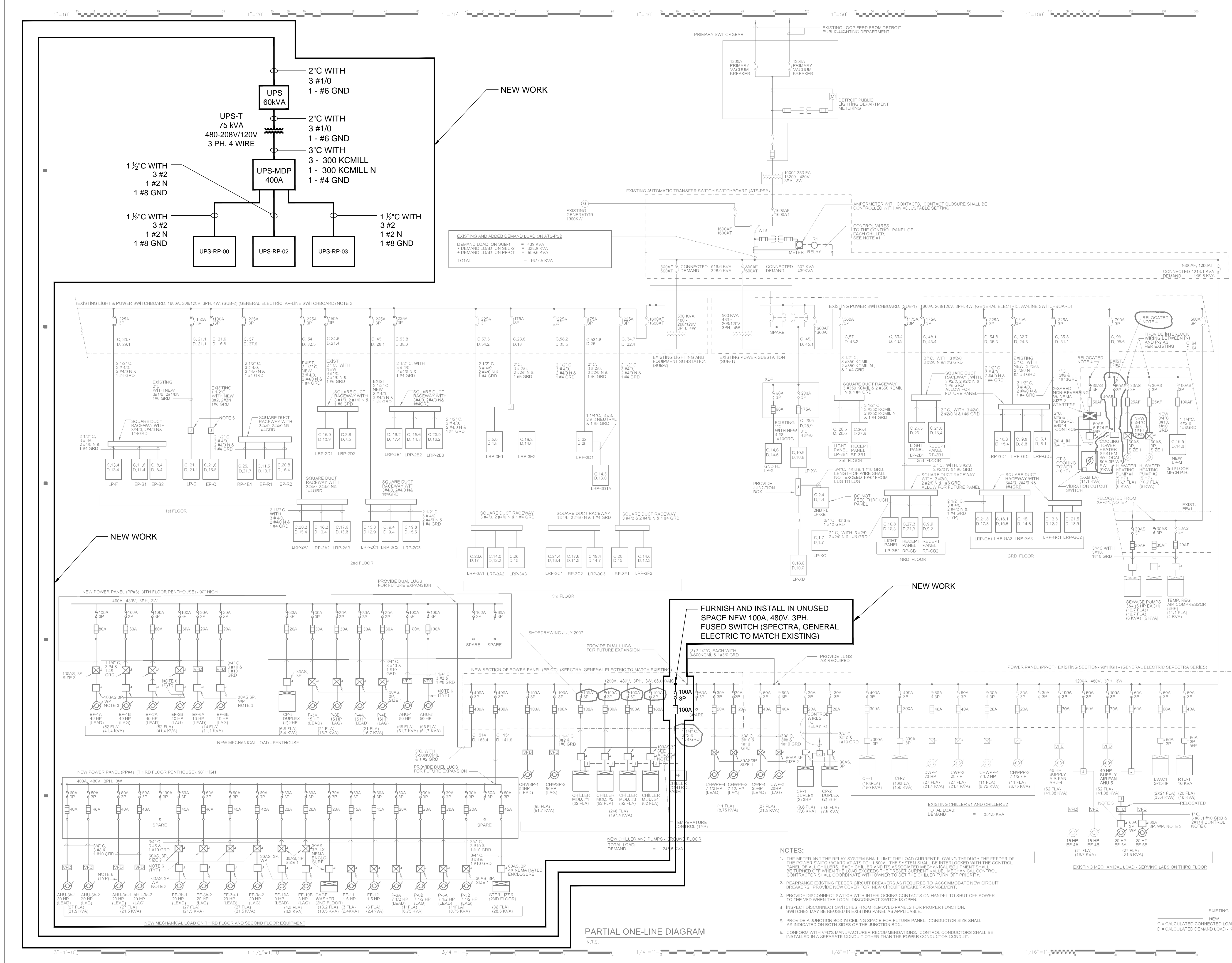
Drawn By: [Blank]

Checked By: [Blank]

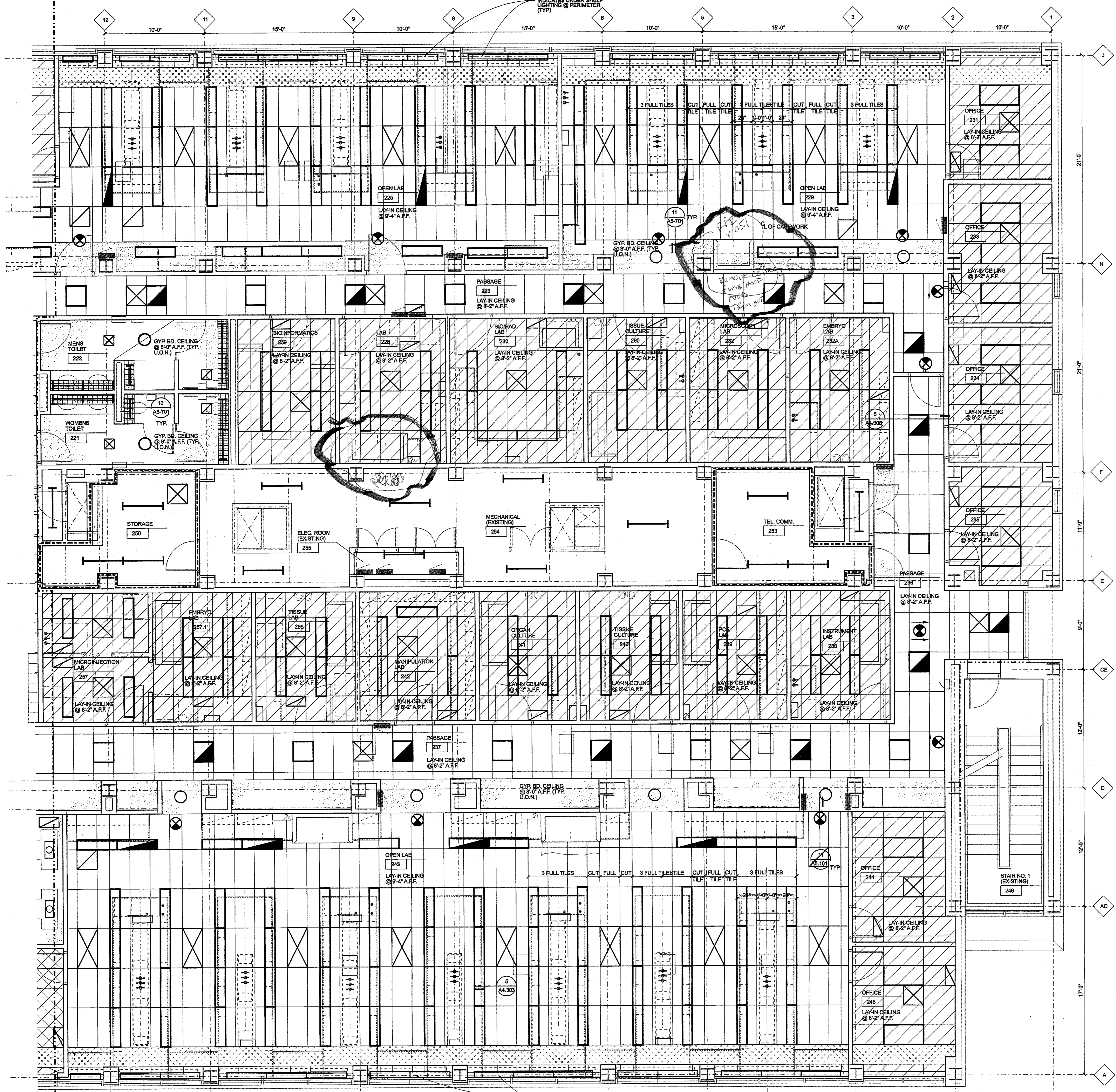
Approved By: [Blank]

Sheet Title: Partial Electrical One-Line Diagram

Sheet Number: EGO.202



FILE NAME: C:\pwworking\proj\miller\609-248861\101.dwg PLOTTED DATE: 11/16/2015 12:52 PM PLOTTED BY: Daniel L. Miller

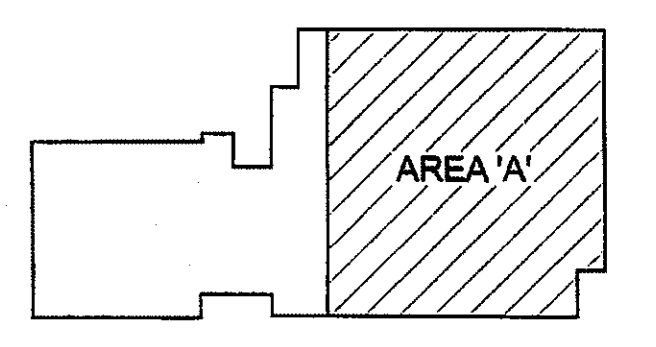


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RENOVATION OF C.S. MOTT CENTER

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| 07/21/04 | PROJECT REVIEW |
| 08/18/04 | NIH SCHEMATIC DESIGN REVIEW |
| 11/10/05 | NIH CONSTR. DOC. REVIEW |
| 04/03/06 | NIH CONSTR. DOC. REVIEW |
| 08/21/06 | NIH APPROVAL |
| 10/18/06 | BIDS |

AS BUILT

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Project Number: 67923.00
 Drawn By: DRT
 Checked By: EK
 Approved By: EGE

Sheet Title: **Second Floor Reflected Ceiling Plan Area 'A'**
 Effective January 1, 2009
 Harley Ellis and Deveraux have merged as Harley Ellis Deveraux
 Sheet Number: **AR1-02A**

NOTE: REFER TO SHEET AR1-0GA FOR CEILING PLAN NOTES AND LEGEND

SECOND FLOOR REFLECTED CEILING PLAN AREA 'A'
 SCALE: 1/4"=1'-0"

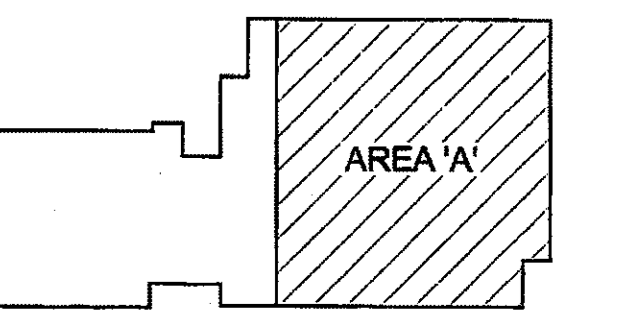
NOTE: CENTER LINE OF CASEWORK TO START CENTER LINE OF CEILING TILE PATTERN. 3 FULL TILES SHALL BE CENTERED FOR EQUAL LIGHTING DISPLACEMENT. NO EXCEPTIONS. CUT TILES ONLY WHERE INDICATED TO KEEP PATTERN CENTERED ON LAB CASEWORK.



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FOR NATIONAL INSTITUTES OF HEALTH NATIONAL CENTER RESEARCH RESOURCES WAYNE STATE UNIVERSITY DETROIT, MICHIGAN

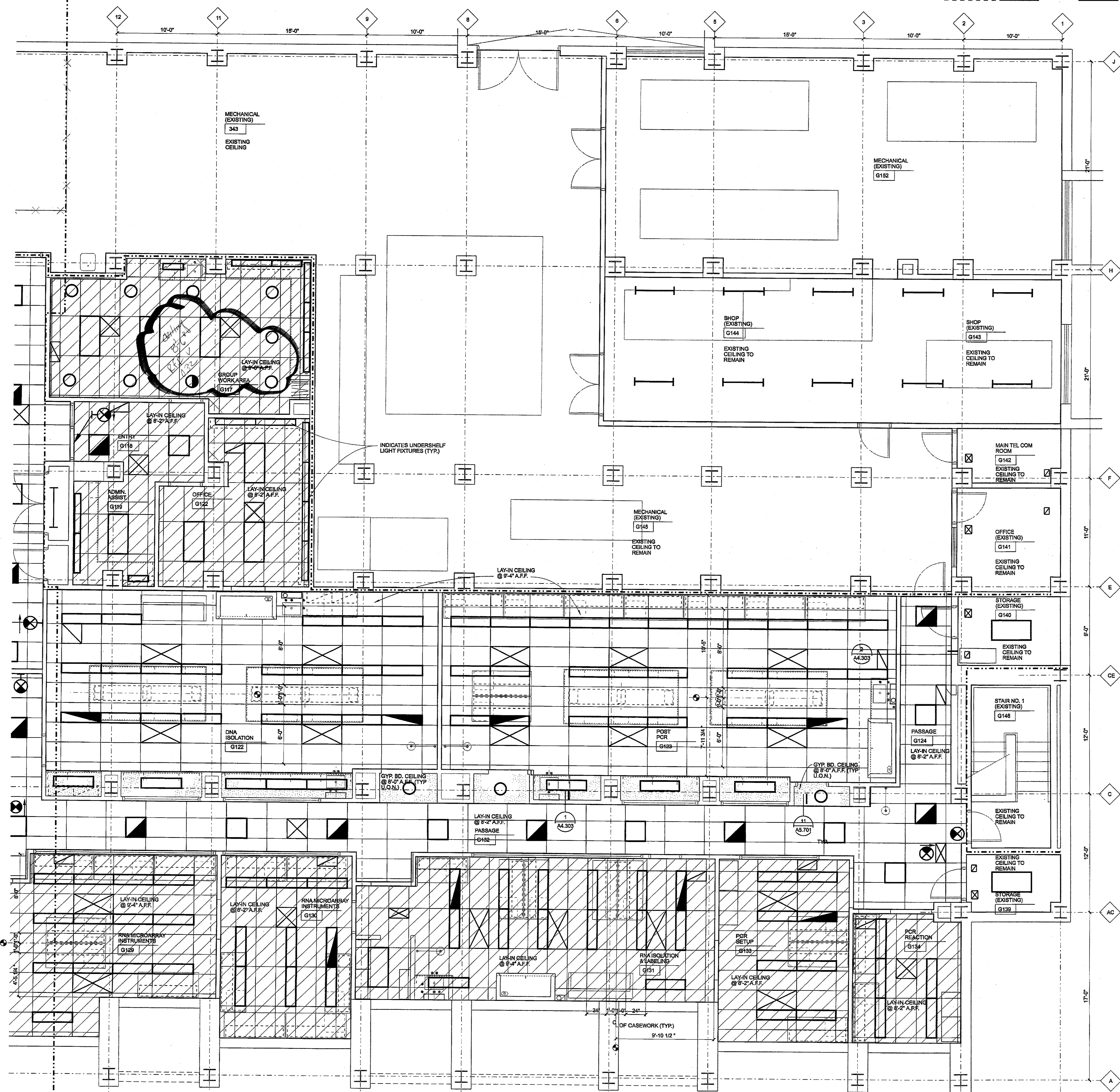
VIVARIUM RENOVATION GRANT NO. 1G20RR 21574 C.S. MOTT RENOVATION GRANT NO. 1C06RR 17527



KEY PLAN NO SCALE

Date: 07/2/04 Issued For: PROJECT REVIEW
 08/19/04 NIH SCHEMATIC DESIGN REVIEW
 11/1/05 NIH CONSTR. DOC. REVIEW
 04/03/06 NIH CONSTR. DOC. REVIEW
 08/21/06 NIH APPROVAL
 10/19/06 BIDS

REFERENCE ONLY



REFLECTED CEILING PLAN GENERAL NOTES

- COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING SAME.
- COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTING DEVICES.
- ALL CORRIDOR PARTITIONS, SMOKE BARRIER PARTITIONS, HORIZONTAL EXIT ENCLOSURES AND FIRE RATED PARTITIONS WHICH EXTEND TO THE DECK ABOVE SHALL BE MARKED EVERY 20'-0" HORIZONTALLY WITHIN THE CEILING SPACE. "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS".
- VERIFY EXACT LOCATIONS OF SOFFIT AND CEILING CONTROL JOINTS WITH ARCHITECT'S REPRESENTATIVE IN THE FIELD.
- REFER TO FLOOR PLANS AND WALL TYPES ON SHEET A5-701 FOR PARTITION CONSTRUCTION.
- ACOUSTICAL LAY-IN CEILING HEIGHT IS AS NOTED ON DWGS. GYP. BD. CEILING HEIGHT IS 8'-0" A.F.F. UNLESS OTHERWISE NOTED.
- REFER TO MECHANICAL DRAWINGS FOR SEQUENCE OF CONSTRUCTION.

REFLECTED CEILING PLAN LEGEND

| PARTITION FIRE RATINGS | | MECHANICAL / ELECTRICAL | |
|------------------------|---|-------------------------|---|
| | 1 HR FIRE RATED PARTITION | | FLUORESCENT FIXTURE |
| | 2 HR FIRE RATED PARTITION | | SERVICE DROP REFER TO LAB DETAILS SHT A05-301 |
| GENERAL | | | NIGHT LIGHT |
| | 24 SUSPENDED LAY-IN ACOUSTICAL CEILING TILE TYPE 1 | | STRIP FLUORESCENT FIXTURE |
| | 24 SUSPENDED LAY-IN ACOUSTICAL CEILING TILE TYPE 2 | | PENDANT FIXTURE |
| | PAINTED GYP. BD. CEILING | | DOWN LIGHTS |
| | EXISTING RADIANT CEILING PANELS | | EXIT LIGHT (SURFACE MOUNTED) |
| | EXHAUST PLENUM / DUCT CONNECTION FOR ANIMAL HOLDING CAGES (BELOW) | | EXHAUST CONNECTION REFER TO LAB PLANS |
| | | | SUPPLY AIR DIFFUSER |
| | | | RETURN AIR DIFFUSER |
| | | | ACCESS PANELS |
| | | | CEILING MTD EQUIP (AS NOTED) |

GROUND FLOOR REFLECTED CEILING PLAN AREA 'A'
 SCALE: 1/4"=1'-0"

NOTE: INDICATES CENTER LINE OF CASEWORK TO START CENTER LINE OF CEILING TILE PATTERN. CUT TILES ONLY TO KEEP PATTERN CENTERED ON LAB CASEWORK UNLESS OTHERWISE NOTED.

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Project Number: 67923.00
 Drawn By: DRT
 Checked By: EK
 Approved By: EGE

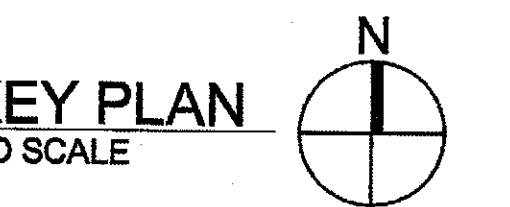
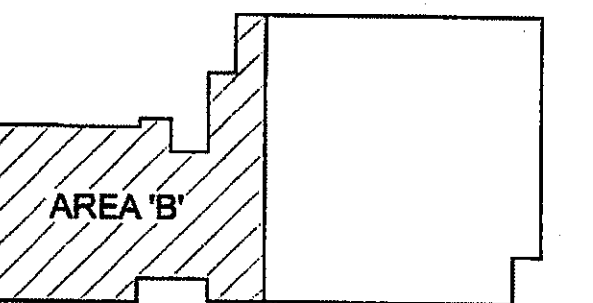
Sheet Title: Ground Floor Reflected Ceiling Plan Area 'A'

Effective January 2009
 Harley Ellis and Felicia Devereaux have merged as Harley Ellis Devereaux
 Sheet Number: AR1-0GA

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| 04/09/06 | NH CONSTR. DOC. REVIEW |
| 08/21/06 | NH APPROVAL |
| 10/19/06 | BIDS |

ADD ALTERNATE #1
PROVIDE A SEPARATE PRICE FOR THE FOLLOWING WORK AND IDENTIFY AS ADD ALTERNATE #1.
1. BASE BID SHALL BE EXISTING SPACES TO REMAIN IN PRESENT CONDITION.
ADD ALTERNATE SCOPE INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING ITEMS:
2. REMOVAL OF EXISTING PLUMBING FIXTURES, WALL FINISHES, DOORS, CEILING AND FLOOR FINISHES.
3. PROVIDE WALL FINISHES, FLOOR FINISHES, CEILING AND CEILING FINISHES, DOORS, AND DOOR HARDWARE TO MATCH TYPICAL OFFICE #120.

REFERENCE ONLY

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Project Number: 67923.00
Drawn By: DRT
Checked By: EK
Approved By: EGE

Sheet Title: Ground Floor Reflected Ceiling Plan Area 'B'
Effective January 1, 2006
Harley Ellis Deveraux have merged as Harley Ellis Deveraux
Sheet Number: **AR1.0GB**

