DEED NEW CARPET THROUGHOUT THE FIRST FLOOR

ALTERNATES

• DEDUCT NEW CARPET THROUGHOUT THE FIRST FLOOR

PROJECT SITE: RANDS HOUSE

RANDS HOUSE RENOVATION

DETROIT, MI 48202

Wayne State University

PUBLIC HEALTH CODE:

MICHELLE BARRETT

MECHANICAL CODE:

MICHIGAN PLUMBING CODE/2015

STATE OF MICHIGAN MECHANICAL CODE/2015

NFPA 101 LIFE SAFETY CODE

NFPA 13/2007 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

NFPA 220 LIFE SAFETY CODE

NFPA 120/2007 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

ELECTRICAL CODE:

STATE OF MICHIGAN ELECTRICAL CODE/2014

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

STATE OF MICHIGAN MECHANICAL CODE/2015

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

PLUMBING CODE:

STATE OF MICHIGAN MECHANICAL CODE/2015

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

BUILDING CODE:

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

USE GROUP:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

USE GROUP:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

USE GROUP:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

USE GROUP:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

USE GROUP:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

USE GROUP:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

USE GROUP:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

USE GROUP:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

USE GROUP:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

USE GROUP:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

USE GROUP:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

USE GROUP:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

USE GROUP:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

USE GROUP:

MICHELLE BARRETT

RELATIVE TO THE INSTALLATION OF SPRINKLER SYSTEMS

MICHELLE BARRETT

CONSTRUCTION TYPE:
<table>
<thead>
<tr>
<th>ROOM</th>
<th>FLOOR</th>
<th>BASE</th>
<th>NORTH WALL</th>
<th>SOUTH WALL</th>
<th>EAST WALL</th>
<th>WEST WALL</th>
<th>WINDOW SILL</th>
<th>CEILING</th>
<th>BULKHEAD</th>
<th>MILLWORK</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Index of Finish Manufacturers**

- **PAINT, PT-1**
- **CARPET TILE, CPT-1**
- **ACOUSTIC CEILING TILE, ACT-1**
- **UNIVERSITY WAYNE STATE**

---

**Legend of Abbreviations**
**Door Schedule**

<table>
<thead>
<tr>
<th>Door No.</th>
<th>Door Type</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>D245</td>
<td>Privacy Set w/ indicator</td>
<td>MR 278 PJSJ</td>
<td>1 ea.</td>
</tr>
<tr>
<td>D247</td>
<td>Classroom Lock</td>
<td>MR 148 DJSJ-SFL</td>
<td>3 ea.</td>
</tr>
<tr>
<td>D220</td>
<td>Privacy Set</td>
<td>MR 278 PJSJ</td>
<td>1 ea.</td>
</tr>
<tr>
<td>D246</td>
<td>Classroom Lock</td>
<td>MR 148 DJSJ-SFL</td>
<td>1 ea.</td>
</tr>
</tbody>
</table>

**Frame Data**

<table>
<thead>
<tr>
<th>Door No.</th>
<th>Door Type</th>
<th>Description</th>
<th>Height</th>
<th>Width</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>D220</td>
<td>Privacy Set</td>
<td>MR 278 PJSJ</td>
<td>7'-0&quot;</td>
<td>3'-6&quot;</td>
<td>F1</td>
</tr>
<tr>
<td>D245</td>
<td>Privacy Set w/ indicator</td>
<td>MR 278 PJSJ</td>
<td>7'-0&quot;</td>
<td>3'-0&quot;</td>
<td>H1</td>
</tr>
<tr>
<td>D247</td>
<td>Classroom Lock</td>
<td>MR 148 DJSJ-SFL</td>
<td>7'-0&quot;</td>
<td>3'-0&quot;</td>
<td>H1</td>
</tr>
</tbody>
</table>

**Hardware Group**

<table>
<thead>
<tr>
<th>Door No.</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>D245</td>
<td>Privacy Set w/ indicator</td>
<td>Complete shop drawings including vertical and horizontal fasteners, spacers and fillers.</td>
</tr>
<tr>
<td>D247</td>
<td>Classroom Lock</td>
<td>Complete shop drawings including vertical and horizontal fasteners, spacers and fillers.</td>
</tr>
</tbody>
</table>

**Remarks**

- **Door Hardware**:
  - Hardware Schedule, product data sheets and warranty information following supplier’s specifications.
  - Hardware shall be furnished complete shop drawings including vertical and horizontal fasteners, spacers and fillers.
  - Hardware shall be furnished and provided all necessary reinforcements, brackets, cylinder and 2 master keys total.
  - shall submit key schedule for final approval. Furnish 2 change keys per door.
  - All designated exit doors shall be equipped with the required egress hardware.
  - All doors required to be labeled shall be set in labeled frames and identified with the ADA.

**General Notes**

- All existing doors shall be stored in a location where the architect was contracted. The architect makes no representation of the functionality of the doors.
- The architect makes no representation of the functionality of the doors.
- The architect makes no representation of the functionality of the doors.
- The architect makes no representation of the functionality of the doors.

**Scale**

- 1/4" = 1'-0"
GENERAL DEMOLITION NOTES

A. Demolition contractor shall be familiar with entire scope of new work prior to starting.

B. All demolition plans, specifications, and any existing site conditions or problems that are not shown on the drawings are the responsibility of the demolicion contractor. The contractor shall coordinate solicitation drawings with the architect.

C. Refer to all existing electrical and mechanical drawings for extent of electrical and mechanical demolition work and for additional information.

D. Any existing items removed shall be returned to the owner for re-use or disposed of off-site.

E. All existing items removed shall be returned to the owner for re-use or disposed of off-site.

F. Owner is responsible for removing any loose equipment such as furniture, movable cabinets, and other movable items.

G. Existing hardware shall be removed from casework items, cleaned and turned over to the owner.

H. Repair all surfaces and components damaged during demolition and construction.

I. Coordinate existing water, gas, and electrical work with new work plans and details.

J. Ensure existing water, gas, and electrical work are removed and re-installed for new work prior to new work.

CLAIMS

None to be removed.

Existing items to remain.

DEMOLITION NOTES

A. Remove existing gypsum and metal stud wall.

B. Remove existing gypsum and metal stud wall.

C. Remove all existing fixtures.

D. Remove existing light fixtures. Coordinate removal of other items.

E. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

F. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

G. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

H. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

I. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

J. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

K. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

L. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

M. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

N. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

O. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

P. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

Q. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

R. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

S. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

T. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

U. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

V. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

W. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

X. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

Y. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

Z. Remove all existing mechanical, electrical, and architectural items with M&E demolition drawings.

Legend:

- Remove portion of existing gypsum & metal stud wall for new door
- Remove existing gypsum and metal stud wall for new door
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
- Remove existing door & frame assembly, including all related hardware.
GENERAL DEMOLITION NOTES

A. Demolition contractor shall be familiar with entire scope of new work prior to starting demolition work.
B. All demolition floor plans, wall layouts, door and window locations, patterns have been reviewed by facilities planning and management. The contractor agrees to coordinate all demolition work and for additional information.
C. Refer to electrical and mechanical drawings for extent of electrical and mechanical removal work and for additional information.
D. Room numbers and room names on all existing drawings relate only to demolition work.
E. All existing items removed shall be returned to the owner for re-use or disposed of over to the owner. Equipment, trash cans, etc. removal of mechanical, plumbing and electrical items with M&E demolition equipment, not tagged to remain is to be removed by WSU.
F. Repair existing floor as necessary for smooth floor finish.
G. Remove existing flooring to remain. Existing flooring to be removed. Prep floor for new finish per specifications. Patch and hardware.
H. Repair existing floor as necessary for smooth floor finish.
I. Demolition work required is not necessarily limited to what is shown on the demolition plans. The intent is to remove all mechanical, electrical, and architectural items required to facilitate new construction.
J. All demolition work and for additional information.
K. Schedule and schedule check marked are not necessarily final in nature, they are to be coordinated with EMU for allowable time of work and per deviations from what is shown.
L. Approximately one hundred percent of the demolition work is to be coordinated with WSU Construction Project Manager minimum 24 hours in advance of the site visit(s). All deviations from what is shown.
M. Refer to electrical and mechanical drawings for extent of electrical and mechanical removal work and for additional information.

LEGEND

EXISTING ITEMS TO REMAIN
EXISTING ITEMS TO BE REMOVED
REVIEW 100% CD'S
FOR BIDS
OWNERS REVIEW 60% CD'S
OWNERS REVIEW 90% CD'S
AG
DB
JK
Sheets
Key plan:

Project number: NM Project Number - 18113.0
Issue: FOR BIDS
Sheet number: Rands House - Rackham Relocation
Date: Rands House 2nd Floor Plan - Demolition Work
Sheet number: AD-102
GENERAL DEMOLITION NOTES

A. Demolition contractor shall be familiar with entire scope of new work prior to starting demolition.

B. All demolition floor plans, wall layouts, door and window locations, pattern have been shown for reference only. The General Contractor must field verify all dimensions and room layouts prior to new work and notify the architect of any deviations from what is shown.

C. Refer to electrical and mechanical drawings for extent of electrical and mechanical items required to facilitate new construction.

D. Room numbers and room names on all existing drawings relate only to demolition work. The intent is to remove all mechanical, electrical, and architectural equipment, trash cans, etc.

E. Owner is responsible for removing any loose equipment such as furniture, movable cabinets to remain.

F. Owner is responsible for removing any loose equipment such as furniture, movable cabinets to remain.

G. Owner is responsible for removing any loose equipment such as furniture, movable cabinets to remain.

H. All demolition floor plans, wall layouts, door and window locations, pattern have been shown for reference only. The General Contractor must field verify all dimensions and room layouts prior to new work and notify the architect of any deviations from what is shown.

I. Owner is responsible for removing any loose equipment such as furniture, movable cabinets to remain.

J. Owner is responsible for removing any loose equipment such as furniture, movable cabinets to remain.

K. Owner is responsible for removing any loose equipment such as furniture, movable cabinets to remain.
GENERAL DEMOLITION NOTES

A. Demolition contractor shall be familiar with entire scope of new work prior to starting

B. all demolition work, and existing plumbing, heating, and drainage systems, shall be carefully removed from the demolition work area and stored off site in a secure location.

C. all existing light fixtures, including ceiling fans, shall be removed from the demolition work area and stored off site in a secure location.

D. room numbers and room names on all existing drawings relate only to demolition work. Correct room numbers and names shall be shown on new work plans.

E. all existing items removed shall be returned to the owner for re-use or disposed of by the owner.

F. existing furniture, file cabinets, and other movable equipment, trash cans, etc., shall be removed from the demolition work area and stored off site in a secure location.

G. all door hardware shall be removed from demolished doors, cleaned and turned over to the owner for re-use or disposed of by the owner.

H. all existing electrical, mechanical, and HVAC systems shall be removed from the demolition work area and stored off site in a secure location.

I. all mechanical, electrical, and architectural items required to facilitate new construction shall be removed from the demolition work area and stored off site in a secure location.

J. subcontractors shall coordinate their work with the demolition contractor and the owner.

K. all existing plumbing is to be removed. New plumbing shall be installed according to the plumbing drawings.

L. all existing electrical systems shall be removed. New electrical systems shall be installed according to the electrical drawings.

LEGEND

- Items to be removed
- Items to be retained
- Existing items in situ

REFERENCES

1. Removal of existing building materials
- Removal of existing building materials
- Preparation of existing building materials
- Installation of new building materials

2. Removal of existing building systems
- Removal of existing building systems
- Preparation of existing building systems
- Installation of new building systems

3. Removal of existing mechanical, electrical, and HVAC systems
- Removal of existing mechanical, electrical, and HVAC systems
- Preparation of existing mechanical, electrical, and HVAC systems
- Installation of new mechanical, electrical, and HVAC systems

4. Removal of existing furnishings
- Removal of existing furnishings
- Preparation of existing furnishings
- Installation of new furnishings

5. Removal of existing millwork
- Removal of existing millwork
- Preparation of existing millwork
- Installation of new millwork

6. Removal of existing structural elements
- Removal of existing structural elements
- Preparation of existing structural elements
- Installation of new structural elements

7. Removal of existing finishes
- Removal of existing finishes
- Preparation of existing finishes
- Installation of new finishes
NEW WORK NOTES:

1) NEW WALLS CONSTRUCTION, PREP AND PAINT, REFER TO WALL TYPE SCHEDULE

2) NEW FLOOR TILES, REFER TO FLOOR SCHEDULE

3) NEW FLOOR BASE, REFER TO FLOOR SCHEDULE

4) NEW HARD WOOD FLOORS, REFER TO WOOD SCHEDULE

5) INSTALL NEW FLAT SCREEN

6) INSTALL NEW WHITE BOARD

7) INSTALL NEW LOOSE FURNITURE, REFER WFSU

8) INSTALL NEW PLUMBING FIXTURE, REFER TO MEP

9) INSTALL NEW LIGHTING FIXTURES, REFER TO ELECTRICAL

10) INSTALL NEW CEILING 2 FEET EITHER SIDE OF WALLS AS SHOWN IN HATCHED AREAS.

NEW FLOOR BASE, REFER TO FINISH SCHEDULE

NEW FLOOR FINISH, REFER TO FINISH SCHEDULE AND DETAILS.

INSTALL NEW DOOR, REFER TO DOOR SCHEDULE.

PROVIDE CLEAN EXISTING WINDOW SYSTEM, REPAIR WINDOW SILL AS NECESSARY (IE. SOAP DISPENSER, TOWEL DISPENSER, MIRRORS, DIRECTION OF VIEW)

WAYNE STATE UNIVERSITY
5454 Cass Avenue
Detroit, MI 48202

FOR BIDS

WAYNE STATE UNIVERSITY
Rands House - Rackham Relocation

Rands House 2nd Floor Reflected Ceiling Plan - New Work
MECHANICAL GENERAL NOTES:

These notes apply to all mechanical, plumbing, and electrical work detailed in the ventilation plans. They cover the ventilation systems and their interactions with other systems, including the need for coordination and compliance with local and national codes.

1. Mechanical, plumbing, and electrical systems shall be coordinated to ensure proper operation and integration.
2. Ventilation systems shall be designed to meet all required codes and standards, including local building codes, energy conservation codes, and plumbing codes.
3. Contractors shall provide documentation and shop drawings for all equipment and systems.
4. All ductwork and piping shall be designed to withstand the operating pressures and temperatures.
5. Ventilation systems shall be designed to maintain proper air flow and pressure.
6. All electrical systems shall be designed to comply with national electrical codes.
7. All mechanical systems shall be designed to comply with national mechanical codes.
8. All plumbing systems shall be designed to comply with national plumbing codes.
9. All systems shall be designed to maintain tightness and minimize infiltration.
10. All systems shall be designed to minimize noise and odors.

MECHANICAL REVISION NOTES:

These notes apply to all mechanical, plumbing, and electrical work detailed in the ventilation plans. They cover the ventilation systems and their interactions with other systems, including the need for coordination and compliance with local and national codes.

1. Mechanical, plumbing, and electrical systems shall be coordinated to ensure proper operation and integration.
2. Ventilation systems shall be designed to meet all required codes and standards, including local building codes, energy conservation codes, and plumbing codes.
3. Contractors shall provide documentation and shop drawings for all equipment and systems.
4. All ductwork and piping shall be designed to withstand the operating pressures and temperatures.
5. Ventilation systems shall be designed to maintain proper air flow and pressure.
6. All electrical systems shall be designed to comply with national electrical codes.
7. All mechanical systems shall be designed to comply with national mechanical codes.
8. All plumbing systems shall be designed to comply with national plumbing codes.
9. All systems shall be designed to maintain tightness and minimize infiltration.
10. All systems shall be designed to minimize noise and odors.

TAB PRE-DEMOLITION NOTES:

These notes apply to all mechanical, plumbing, and electrical work detailed in the ventilation plans. They cover the ventilation systems and their interactions with other systems, including the need for coordination and compliance with local and national codes.

1. Mechanical, plumbing, and electrical systems shall be coordinated to ensure proper operation and integration.
2. Ventilation systems shall be designed to meet all required codes and standards, including local building codes, energy conservation codes, and plumbing codes.
3. Contractors shall provide documentation and shop drawings for all equipment and systems.
4. All ductwork and piping shall be designed to withstand the operating pressures and temperatures.
5. Ventilation systems shall be designed to maintain proper air flow and pressure.
6. All electrical systems shall be designed to comply with national electrical codes.
7. All mechanical systems shall be designed to comply with national mechanical codes.
8. All plumbing systems shall be designed to comply with national plumbing codes.
9. All systems shall be designed to maintain tightness and minimize infiltration.
10. All systems shall be designed to minimize noise and odors.

TAB POST-CONSTRUCTION NOTES:

These notes apply to all mechanical, plumbing, and electrical work detailed in the ventilation plans. They cover the ventilation systems and their interactions with other systems, including the need for coordination and compliance with local and national codes.

1. Mechanical, plumbing, and electrical systems shall be coordinated to ensure proper operation and integration.
2. Ventilation systems shall be designed to meet all required codes and standards, including local building codes, energy conservation codes, and plumbing codes.
3. Contractors shall provide documentation and shop drawings for all equipment and systems.
4. All ductwork and piping shall be designed to withstand the operating pressures and temperatures.
5. Ventilation systems shall be designed to maintain proper air flow and pressure.
6. All electrical systems shall be designed to comply with national electrical codes.
7. All mechanical systems shall be designed to comply with national mechanical codes.
8. All plumbing systems shall be designed to comply with national plumbing codes.
9. All systems shall be designed to maintain tightness and minimize infiltration.
10. All systems shall be designed to minimize noise and odors.
1. Coordinate all demolition work with architectural and electrical and mechanical systems.

2. Coordinate all existing systems with owner’s project representative.

3. Remove all ductwork and equipment completely, including all related items such as hangers, supports, controls, and accessories.

4. Cap all the open-ended ductwork. Do not leave any abandoned duct work in the area of work.

**Key Notes:**

1. Disconnect and remove existing finned tube radiator. Clean and prepare for new installation.
1. COORDINATE ALL DEMOLITION WORK WITH ARCHITECTURAL AND ELECTRICAL COORDINATION.

2. PERFORM VENTILATION TESTS AND RECORD RESULTS.

3. COORDINATE ALL DEMOLITION WORK WITH ELECTRICAL AND AIR DUCT WORK.

4. REMOVE ALL INDICATED DUCTWORK AND EQUIPMENT COMPLETELY INCLUDING ALL RELATED ITEMS INCLUDING HANGERS, SUPPORTS, CONTROLS AND ACCESSORIES.

5. CAP ALL THE OPEN ENDED DUCTWORK. DO NOT LEAVE ANY ABANDONED DUCT WORK IN THE AREA OF WORK.

KEYNOTES:

1. DEMOLISH DUCTWORK, CEILING SUPPLY & RETURN DIFFUSERS AND ASSOCIATED ACCESSORIES BACK TO THE POINT SHOWN AND PREPARE FOR NEW CONNECTION.

2. REMOVE EXISTING VAV BOX & ITS ASSOCIATED TEMPERATURE SENSOR, CONTROLS IN ITS ENTIRETY. CAP CONTROLS AT MAIN.

3. DISCONNECT AND REMOVE EXISTING FINNED TUBE RADIATOR. CLEAN AND PREPARE FOR NEW INSTALLATION.

4. PRIOR TO DEMOLITION, MEASURE SUPPLY/RETURN/EXHAUST AIR FLOWS AT ALL EXISTING TERMINAL AIR DEVICES IN THE AREA. LABEL ALL DEVICES AND CREATE AIR BALANCE REPORT DESCRIBED ON SHEET MH-000.
### Split System Air Cooled Air Conditioning Unit Schedule (Alternate)

<table>
<thead>
<tr>
<th>Model</th>
<th>Area Serviced</th>
<th>Type</th>
<th>Capacity</th>
<th>Inlet Temp</th>
<th>Outlet Temp</th>
<th>Capacity</th>
<th>MFR/MODEL</th>
<th>ELEC. DATA</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRV-1</td>
<td>2nd Flr Mtg</td>
<td>Outdoor</td>
<td>0-200</td>
<td>75°F</td>
<td>45°F</td>
<td>0-200</td>
<td>300</td>
<td>MITSUBISHI</td>
<td>HRV-1 2ND FLR MTG AIR TO AIR TOTAL LGH-F300 300 260 203 91 63 65 68 79 50 52 55 63 0.60 0.6 1 208 1.8 15 WASHABLE 18-34 MITSUB</td>
</tr>
</tbody>
</table>

### Split System Air Cooled Air Conditioning Unit Schedule (Cont.)

<table>
<thead>
<tr>
<th>Model</th>
<th>Area Serviced</th>
<th>Type</th>
<th>Capacity</th>
<th>Inlet Temp</th>
<th>Outlet Temp</th>
<th>Capacity</th>
<th>MFR/MODEL</th>
<th>ELEC. DATA</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRV-1</td>
<td>2nd Flr Mtg</td>
<td>Outdoor</td>
<td>0-200</td>
<td>75°F</td>
<td>45°F</td>
<td>0-200</td>
<td>300</td>
<td>MITSUBISHI</td>
<td>HRV-1 2ND FLR MTG AIR TO AIR TOTAL LGH-F300 300 260 203 91 63 65 68 79 50 52 55 63 0.60 0.6 1 208 1.8 15 WASHABLE 18-34 MITSUB</td>
</tr>
</tbody>
</table>

### Energy Recovery Ventilator Schedule (Alternate)

<table>
<thead>
<tr>
<th>Model</th>
<th>Area Serviced</th>
<th>Type</th>
<th>Capacity</th>
<th>Inlet Temp</th>
<th>Outlet Temp</th>
<th>Capacity</th>
<th>MFR/MODEL</th>
<th>ELEC. DATA</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRV-1</td>
<td>2nd Flr Mtg</td>
<td>Outdoor</td>
<td>0-200</td>
<td>75°F</td>
<td>45°F</td>
<td>0-200</td>
<td>300</td>
<td>MITSUBISHI</td>
<td>HRV-1 2ND FLR MTG AIR TO AIR TOTAL LGH-F300 300 260 203 91 63 65 68 79 50 52 55 63 0.60 0.6 1 208 1.8 15 WASHABLE 18-34 MITSUB</td>
</tr>
</tbody>
</table>

### Diffuser-Register-Grille-Louver Schedule

<table>
<thead>
<tr>
<th>Model</th>
<th>Service</th>
<th>Volume SCH</th>
<th>EFF</th>
<th>DESCRIPTION</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRG-1</td>
<td>Supply</td>
<td>60</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRG-2</td>
<td>Supply</td>
<td>120</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRG-3</td>
<td>Supply</td>
<td>180</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRG-4</td>
<td>Supply</td>
<td>240</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRG-5</td>
<td>Supply</td>
<td>300</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRG-6</td>
<td>Supply</td>
<td>360</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRG-7</td>
<td>Supply</td>
<td>420</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRG-8</td>
<td>Supply</td>
<td>480</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRG-9</td>
<td>Supply</td>
<td>540</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRG-10</td>
<td>Supply</td>
<td>600</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRG-11</td>
<td>Supply</td>
<td>660</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRG-12</td>
<td>Supply</td>
<td>720</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRG-13</td>
<td>Supply</td>
<td>780</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRG-14</td>
<td>Supply</td>
<td>840</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRG-15</td>
<td>Supply</td>
<td>900</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Series Fan Powered Box Schedule

<table>
<thead>
<tr>
<th>Model</th>
<th>Area Serviced</th>
<th>Type</th>
<th>Capacity</th>
<th>Inlet Temp</th>
<th>Outlet Temp</th>
<th>Capacity</th>
<th>MFR/MODEL</th>
<th>ELEC. DATA</th>
<th>Notes</th>
</tr>
</thead>
</table>

### System Information

**FOR BIDS**
FIRST FLOOR ENLARGE DEMOLITION PLAN - PLUMBING

SECOND FLOOR ENLARGE DEMOLITION PLAN - PLUMBING

FIRST FLOOR ENLARGE NEW PLAN - PLUMBING

SECOND FLOOR ENLARGE NEW PLAN - PLUMBING

Keynotes:
1. REMOVE EXISTING 1/2" DRAIN PIPE TO THE EXISTING 304 REGURGITATION PUMP
   (WHICH WAS NEVER INSTALLED). COORDINATE WITH ARCH.
2. REMOVE EXISTING 1/2" DRAIN PIPE TO THE EXISTING 304 REGURGITATION PUMP
   (WHICH WAS NEVER INSTALLED). COORDINATE WITH ARCH.
3. REMOVE EXISTING 1/2" DRAIN PIPE TO THE EXISTING 304 REGURGITATION PUMP
   (WHICH WAS NEVER INSTALLED). COORDINATE WITH ARCH.
4. REMOVE EXISTING 1/2" DRAIN PIPE TO THE EXISTING 304 REGURGITATION PUMP
   (WHICH WAS NEVER INSTALLED). COORDINATE WITH ARCH.

First Floor Enlarge:
1. REMOVE EXISTING 1 1/2" DRAIN PIPE FROM THE EXISTING 304 REGURGITATION PUMP
   (WHICH WAS NEVER INSTALLED). COORDINATE WITH ARCH.
2. REMOVE EXISTING 1 1/2" DRAIN PIPE FROM THE EXISTING 304 REGURGITATION PUMP
   (WHICH WAS NEVER INSTALLED). COORDINATE WITH ARCH.
3. REMOVE EXISTING 1 1/2" DRAIN PIPE FROM THE EXISTING 304 REGURGITATION PUMP
   (WHICH WAS NEVER INSTALLED). COORDINATE WITH ARCH.
4. REMOVE EXISTING 1 1/2" DRAIN PIPE FROM THE EXISTING 304 REGURGITATION PUMP
   (WHICH WAS NEVER INSTALLED). COORDINATE WITH ARCH.

Second Floor Enlarge:
1. REMOVE EXISTING 1 1/2" DRAIN PIPE FROM THE EXISTING 304 REGURGITATION PUMP
   (WHICH WAS NEVER INSTALLED). COORDINATE WITH ARCH.
2. REMOVE EXISTING 1 1/2" DRAIN PIPE FROM THE EXISTING 304 REGURGITATION PUMP
   (WHICH WAS NEVER INSTALLED). COORDINATE WITH ARCH.
3. REMOVE EXISTING 1 1/2" DRAIN PIPE FROM THE EXISTING 304 REGURGITATION PUMP
   (WHICH WAS NEVER INSTALLED). COORDINATE WITH ARCH.
4. REMOVE EXISTING 1 1/2" DRAIN PIPE FROM THE EXISTING 304 REGURGITATION PUMP
   (WHICH WAS NEVER INSTALLED). COORDINATE WITH ARCH.
PLUMBING MATERIAL LIST

1. LAVATORY - ADA WALL MOUNTED, WHITE VITREOUS CHINA, 20"x18", 4" HIGH CONTOURED BACKSPLASH, SINGLE FAUCET HOLE, DRILLED FOR CONCEALED ARM CARRIER.
2. INSULATION KIT - PRE-MANUFACTURED FOR P-TRAP, STOP VALVES AND SUPPLY LINES.
3. LAVATORY TRIM - SENSOR ACTIVATED MIXING FAUCET, BATTERY POWERED WITH HYDROELECTRIC GENERATOR, BRASS CONSTRUCTION, CHROME-PLATED FINISH, CONVENTIONAL SPOUT WITH AERATOR, PERFORATED GRID STRAINER WITH 1-1/4" 17 GAUGE TAILPIECE, SOLID BRASS SOLENOID WITH BUILT-IN FILTER, SOLID BRASS THERMOSTATIC MIXING VALVE MEETING ASSE 1070 REQUIREMENTS WITH ADJUSTABLE TEMPERATURE LIMIT STOP AND INTEGRAL CHECK VALVES, WATERPROOF CONNECTORS AND CABLE.
4. MOUNT CONTROLS AND BATTERIES IN WATERPROOF VANDAL-RESISTANT ENCLOSURE BELOW LAVATORY. MOUNT MIXING VALVE UNDER COUNTER/LAVATORY. MAXIMUM FLOW SHALL BE 0.5 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AND ESCUTCHEON PLATE AS REQUIRED. FAUCET SHALL HAVE A MAXIMUM 30 SECONDS OF CONTINUOUS DISCHARGE.
5. ACCESSORIES - QUARTER-TURN 3/8" CHROME PLATED HEAVY BRASS ANGLE SUPPLY STOPS, CHROME PLATED SOFT COPPER SUPPLY LINES, DRAIN AND OFFSET TAILPIECE, 1-1/4" 17 GAUGE CAST BRASS P-TRAP, SUPPORT CARRIER. IN COMPLIANCE WITH LATEST ADA STANDARD. PROVIDE 29" MINIMUM CLEARANCE FROM FLOOR TO BOTTOM OF APRON IN COMPLIANCE WITH LATEST ANSI A117.1 AND ADA STANDARDS. ARMAFLEX WITH TAPE IS NOT ACCEPTABLE IN LIEU OF INSULATION KIT.

For Bids Dec. 11, 2018

---

WAYNE STATE UNIVERSITY
Facilities Planning and Management
5454 Cass Avenue
Detroit, MI 48202

NIAGARA MURANO
ARCHITECTURE

FOR BIDS

WSU / 30
P-500
### Electrical General Notes:

1. **Lighting Switches**: 4'-0" above floor, safety switches 5'-0" to top.
2. **Luminaires**: All luminaires shall be listed as compatible with sprinkler systems.
3. **Temperature**: Interior correlated color temperature 4100K, color rendering index (CRI) at or above 80, unless noted otherwise.
4. **Luminaires Schedule**: Refer to specification sections Lighting 26 51 00 and Emergency Lighting Equipment 26 52 00 for additional information and requirements.

### Electrical Equipment Tags:

<table>
<thead>
<tr>
<th>Tag</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD</td>
<td>Lighting Dimensions</td>
</tr>
<tr>
<td>TC</td>
<td>Terminal Connections</td>
</tr>
<tr>
<td>PF</td>
<td>Power Feed</td>
</tr>
<tr>
<td>CO</td>
<td>Connection Point</td>
</tr>
</tbody>
</table>

### Electrical Sheet Index:

- **ES-101** First Floor Plan - Systems
- **ES-300** Systems Details
- **ES-400** Fire Alarm Manual Pull Station
- **ES-500** Equipment Tags
- **ES-600** Project Bids

### Panel Notes:

- **Circuit Numbers**: Are shown for circuit identification, circuiting shall agree with associated branch circuiting at the panel.
- **Piping**: Will be identified by color code and tubing size. All cross connections identified for fire alarm, water systems, and gas systems.
- **Elevations**: Will be identified by color code and tubing size. All cross connections identified for fire alarm, water systems, and gas systems.
- **Location**: Adjacent to equipment, piping, or ductwork to be installed, each contractor shall either provide a location or refer to architectural plans, elevations, and reviewed shop drawings. Prior to making any changes, contractor shall receive approval and participation of IMEG Corp.
- **Field**: Verify the available clearances for conduits before fabrication. Rises, relocations, and drops may be necessary because of existing field conditions.
- **Bag**: Indicates the lighting sequence of operation for the space. Refer to the lighting schedule of operation noting any variations.

### Electrical General Notes:

- **Lighting**: Refer to the lighting schedule of operation noting any variations.
- **Fire Alarm**: Refer to the fire alarm schedule of operation noting any variations.
- **Architectural and Interior Design Elevations, Sections, and Details**: For all suspended and wall mounted luminaires.
- **Architectural Plans, Elevations, and Review Shop Drawings**: Prior to making any changes, contractor shall receive approval and participation of IMEG Corp.
- **Firestopping**: Equipment, piping, or ductwork to be installed, each contractor shall either provide a location or refer to architectural plans, elevations, and reviewed shop drawings. Prior to making any changes, contractor shall receive approval and participation of IMEG Corp.

### Electrical Equipment Tags:

<table>
<thead>
<tr>
<th>Tag</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD</td>
<td>Lighting Dimensions</td>
</tr>
<tr>
<td>TC</td>
<td>Terminal Connections</td>
</tr>
<tr>
<td>PF</td>
<td>Power Feed</td>
</tr>
<tr>
<td>CO</td>
<td>Connection Point</td>
</tr>
</tbody>
</table>

### Electrical Sheet Index:

- **ES-101** First Floor Plan - Systems
- **ES-300** Systems Details
- **ES-400** Fire Alarm Manual Pull Station
- **ES-500** Equipment Tags
- **ES-600** Project Bids

### Panel Notes:

- **Circuit Numbers**: Are shown for circuit identification, circuiting shall agree with associated branch circuiting at the panel.
- **Piping**: Will be identified by color code and tubing size. All cross connections identified for fire alarm, water systems, and gas systems.
- **Elevations**: Will be identified by color code and tubing size. All cross connections identified for fire alarm, water systems, and gas systems.
- **Location**: Adjacent to equipment, piping, or ductwork to be installed, each contractor shall either provide a location or refer to architectural plans, elevations, and reviewed shop drawings. Prior to making any changes, contractor shall receive approval and participation of IMEG Corp.
- **Field**: Verify the available clearances for conduits before fabrication. Rises, relocations, and drops may be necessary because of existing field conditions.
- **Bag**: Indicates the lighting sequence of operation for the space. Refer to the lighting schedule of operation noting any variations.
FIRST FLOOR DEMOLITION - ELECTRICAL

1. REMOVE/REPLACE EXISTING FIRE ALARM PANEL/SYSTEM. RETAIN CIRCUIT FOR NEW FIRE ALARM PANEL.
1. Clean and relamp all fixtures. Surface 2x4 are 3-lamp, surface 1x4 are 2-lamp, and downlights, wall sconces, and decorative fixtures are compact fluorescent.

2. Replace lamps and batteries in existing exit signs and emergency battery units.

Key Notes:

1. Replace ballasts with reduced wattage ballasts.

2. Extend unswitched portion of branch circuit serving this room to emergency fixture.

References:

- Replace ballasts with reduced wattage.
- Extends unswitched portion of branch circuit serving this room to emergency fixture.

Notes:

- Owner Review 60% CD's Nov. 13, 2018
- Owner Review 90% CD's Nov. 27, 2018
- 100% CD's Dec. 04, 2018
- For Bids Dec. 11, 2018
SECOND FLOOR PLAN - LIGHTING

KEYNOTES:
1. RELOCATED FIXTURE. EXTEND BRANCH CIRCUIT FROM EXISTING LIGHTING.
2. EXTEND UNSWITCHED PORTION OF BRANCH CIRCUIT SERVING THIS ROOM TO EMERGENCY FIXTURE.

SHEET NOTES:
1. CLEAN AND RELAMP ALL FIXTURES. SURFACE 2X4 ARE 3-LAMP, SURFACE 1X4 ARE 2-LAMP, AND DOWNLIGHTS, WALL SCONCES, AND DECORATIVE FIXTURES ARE COMPACT FLUORESCENT.
2. REPLACE LAMPS AND BATTERIES IN EXISTING EXIT SIGNS AND EMERGENCY BATTERY UNITS.
FIRST FLOOR PLAN - POWER

KEYNOTES:
1. EXTEND EXISTING BRANCH CIRCUIT IN ROOM TO NEW DEVICE.
2. CIRCUIT RECEPTACLE TO SPARE 20A BREAKER IN PANEL LPA.
3. EXTEND BRANCH CIRCUIT FROM THE RECEPTACLE. REFER TO THE 'ELECTRONIC SENSOR WIRING' DETAIL ON SHEET EP-300.

EXISTING LPA

OWNER REVIEW 60% CD'S NOV. 13, 2018
OWNER REVIEW 90% CD'S NOV. 27, 2018
100% CD'S DEC. 04, 2018
FOR BIDS DEC. 11, 2018
SECOND FLOOR PLAN - POWER

1. EXTEND EXISTING BRANCH CIRCUIT IN ROOM TO NEW DEVICE.
2. PROVIDE SURFACE RACEWAY FOR RECEPTACLE. REFER TO 'SURFACE WIREWAY DETAIL' ON SHEET EP-300.
3. ADD/ALTERNATE...
4. EXTEND BRANCH CIRCUIT FROM THE RECEPTACLE. REFER TO THE 'ELECTRONIC SENSOR WIRING' DETAIL ON SHEET EP-300.
**PLANS FOR WALL CONSTRUCTION**

**SEE ARCHITECTURAL**

WITHIN 1/8" OF FINAL SURFACE

**NOTES:**

1. BACKBOX MOUNTING DETAIL

2. SURFACE WIREWAY DETAIL

3. FIRE BARRIER PENETRATION

4. ELECTRONIC SENSOR WIRING

---

1. **BACKBOX MOUNTING DETAIL**

   - BACKBOX MOUNTING DETAIL
   - Sheet Title: WSU : 00
   - Project: Facilities Planning and Management
   - Location: Wayne State University
   - Coordination checked: 90% CD
   - Drawn: November 13, 2018
   - Issue: December 11, 2018
   - Key Plan: No Scale

2. **SURFACE WIREWAY DETAIL**

   - Surface Wireway to Prevent Accessible Ceiling
   - Sheet Title: WSU : 00
   - Project: Facilities Planning and Management
   - Location: Wayne State University
   - Coordination checked: 90% CD
   - Drawn: November 13, 2018
   - Issue: December 11, 2018
   - Key Plan: No Scale

3. **FIRE BARRIER PENETRATION**

4. **ELECTRONIC SENSOR WIRING**

   - Sheet Title: WSU : 00
   - Project: Facilities Planning and Management
   - Location: Wayne State University
   - Coordination checked: 90% CD
   - Drawn: November 13, 2018
   - Issue: December 11, 2018
   - Key Plan: No Scale

---

**NOTES:**

1. BACKBOX MOUNTING DETAIL

   - BACKBOX MOUNTING DETAIL
   - Sheet Title: WSU : 00
   - Project: Facilities Planning and Management
   - Location: Wayne State University
   - Coordination checked: 90% CD
   - Drawn: November 13, 2018
   - Issue: December 11, 2018
   - Key Plan: No Scale

2. SURFACE WIREWAY DETAIL

   - SURFACE WIREWAY DETAIL
   - Sheet Title: WSU : 00
   - Project: Facilities Planning and Management
   - Location: Wayne State University
   - Coordination checked: 90% CD
   - Drawn: November 13, 2018
   - Issue: December 11, 2018
   - Key Plan: No Scale

3. FIRE BARRIER PENETRATION

4. ELECTRONIC SENSOR WIRING

   - ELECTRONIC SENSOR WIRING
   - Sheet Title: WSU : 00
   - Project: Facilities Planning and Management
   - Location: Wayne State University
   - Coordination checked: 90% CD
   - Drawn: November 13, 2018
   - Issue: December 11, 2018
   - Key Plan: No Scale
KEYNOTES:
1. PROVIDE NOTIFICATION APPLIANCE EXTENDER PANELS AS REQUIRED. DETERMINATION OF
   NEED TO BE MADE BY FIRE ALARM VENDOR. REFER TO SPECIFICATIONS FOR REQUIREMENTS
   AND ACCEPTABLE MOUNTING LOCATIONS.
2. REFER TO SPECIFICATION FOR REQUIREMENTS OF EACH INITIATION LOOP AND WIRING
   STYLE. REFER TO FLOOR PLANS FOR DEVICES AND THEIR LOCATIONS.
3. REFER TO SPECIFICATION FOR REQUIREMENTS OF EACH NOTIFICATION APPLIANCE CIRCUIT
   AND WIRING STYLE. REFER TO FLOOR PLANS FOR DEVICES AND THEIR LOCATIONS.

NOTES:
1. THE RISER DIAGRAM IS INTENDED TO CONVEY THE TYPES OF FIRE ALARM CONNECTIONS
   AND SPECIFICALLY DOES NOT INDICATE QUANTITIES, NUMBER OF CIRCUITS REQUIRED OR
   DISTANCES.
2. THE COMPLETE FIRE ALARM SYSTEM SHALL MEET ALL APPLICABLE CODES AND
   MANUFACTURER'S RECOMMENDATIONS.
3. CONTRACTOR SHALL COORDINATE ALL WIRE SIZES, TYPES AND REQUIREMENTS WITH THE
   VENDOR PRIOR TO BID. REFER TO SPECIFICATIONS TO DETERMINE CIRCUIT STYLES AND IF
   CONDUIT IS REQUIRED OR PLENUM RATED CABLE IS ACCEPTABLE.
4. ALL +120VAC WIRING REQUIRED FOR OPERATION OF THE SYSTEM AS DESCRIBED IN THE
   CONSTRUCTION DOCUMENTS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
5. ALL NECESSARY RELAYS MAY NOT BE SHOWN ON THIS PLAN, BUT WHERE REQUIRED FOR
   PROPER OPERATION OF THE SYSTEM THEY SHALL BE PROVIDED BY THE CONTRACTOR.

FOR BIDS
IMEG Project Number - NM Project Number - 18113.0
Rands House - Rackham Relocation
WSU : 00
WSU Rands Bldg Rackham Relocation 18004050.01
GENERAL NOTES:
1. ALL NEW INFORMATION OUTLET ON THIS SHEET SHALL BE SERVED FROM THE EXISTING FIRST FLOOR TELECOMMUNICATIONS ROOM UNLESS OTHERWISE NOTED. REFER TO 1/T-300 FOR CONNECTIVITY DIAGRAM AND ADDITIONAL REQUIREMENTS.

2. REFER TO T-000 FOR TECHNOLOGY SYMBOL LIST AND GENERAL TECHNOLOGY INSTALLATION NOTES.

3. REFER TO T-300 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE.

KEYNOTES:
1. CAMERA PROVIDED FOR CONNECTION TO OWNER FURNISHED OBSERVATION RECORDING SYSTEM. CONTRACTOR TO PROVIDE CAMERA, MOUNT, AND CABLING TO OFE NETWORK RECORDING SYSTEM.

2. PROVIDE SURFACE RACEWAY FOR TECHNOLOGY OUTLETS INDICATED.
GENERAL NOTES:
1. ALL NEW INFORMATION OUTLET ON THIS SHEET SHALL BE SERVED FROM THE EXISTING FIRST FLOOR TELECOMMUNICATIONS ROOM UNLESS OTHERWISE NOTED. REFER TO 1/T-300 FOR CONNECTIVITY DIAGRAM AND ADDITIONAL REQUIREMENTS.
2. REFER TO T-000 FOR TECHNOLOGY SYMBOL LIST AND GENERAL TECHNOLOGY INSTALLATION NOTES.
3. REFER TO T-300 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE.

KEYNOTES:
1. CAMERA PROVIDED FOR CONNECTION TO OWNER FURNISHED OBSERVATION RECORDING SYSTEM. CONTRACTOR TO PROVIDE CAMERA, MOUNT, AND CABLING TO OFF NETWORK RECORDING SYSTEM.
2. PROVIDE (2)2" CONDUITS STUBBED TO ACCESSIBLE CEILING FOR OWNER FURNISHED AV DEVICES.
3. PROVIDE SURFACE RACEWAY FOR TECHNOLOGY OUTLETS INDICATED.

OWNER REVIEW 90% CD'S Nov. 27, 2018
100% CD'S Dec. 04, 2018
For Bids Dec. 11, 2018
1. PROVIDE REMOVABLE BLANK INSERT(S) FOR ALL UNUSED PORTS. DATA CAT 6 RJ-45 (ORANGE)

2. REFER TO SPECIFICATIONS SECTION 27 05 53 FOR ADDITIONAL INFORMATION ON LABELING REQUIREMENTS. VOICE CAT 6 RJ-45 (WHITE)

3. CONTRACTOR TO PROVIDE NEW SC-MPP-1 FOR TERMINATION OF OBSERVATION RECORDING

5. CONTRACTOR TO PROVIDE NEW SC-MPP-1 FOR TERMINATION OF OBSERVATION RECORDING

6. POWER SUPPLY (AIPHONE PS-2) FACEPLATE POSITION

7. CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL

8. INFORMATION OUTLET SCHEDULE

9. INTERCOM RISER DIAGRAM

10. GENERAL TECHNOLOGY EQUIPMENT SCHEDULE

11. TECHNICAL DETAILS, RISERS AND SCHEDULES

Ways and Means Planning and Management
5455 Cass Avenue
Detroit, MI 48202

IMEG Project Number - 18113.0
Facilities Planning and Management

WSU : 00

Owner Review 90% CD's Nov. 27, 2018

Relocation

Rand House - Rackham Relocation

IMEG Project Number - T-300

SAM Project Number - T-300

FOR BIDS