EXISTING HEAT DETECTOR TO BE REMOVED.

Sheet Notes - Demolition

Remove existing circadian box by NEIU
Remove existing faucet
Remove existing floor drain to remain
Remove raised floor platform. Scan the platform for pipes and conduits before demolition

Conditions prior to commencing the work. Temporary protection from dust, noise, damage, etc. and construction barriers and other site protection requirements consistent with the specifications section, and division 1, general requirements.

Provide protection against moisture, impact and any other type of potential damage.

Remove existing sink - see plumbing drawings.
Remove and relocate existing 6' x 2' metal rack by NEIU
Remove and salvage existing computer box by NEIU
Remove and salvage existing plumbing vent, see plumbing
Remove and salvage existing electrical panel, see electrical

Cut roof to accommodate new roof through plumbing vent, see plumbing

The contractor shall provide temporary protection, support, bracing, sealing and patching & repaired as required to maintain the existing fire rating or smoke partition ratings.

All penetrations of existing floors and fire rated walls or smoke partitions shall be sealed & patched & repaired as required to maintain the existing fire rating or smoke partition ratings.

Provide protection against moisture, impact and any other type of potential damage.

Provide protection against moisture, impact, and any other type of potential damage.

Remove and install existing faraday box by NEIU
Remove and re-install existing table by NEIU
Remove and re-install existing toolbox by NEIU
Remove and re-install existing electrical panel by NEIU
Remove and re-install existing furniture
Remove and salvage existing stainless steel countertop for new work.

Demolition plan legend

Demolition reflected ceiling plan

1. Contractor shall remove all trash and debris generated, during and after demolition, shall remain at the job site in an unidentified area. The contractor be responsible for removal of all debris, construction, and other materials. All debris shall be removed from the site by the contractor before completing the final closeout of the job.

2. Contractor shall provide temporary protection, support, bracing, sealing and patching as required to maintain the existing fire rating or smoke partition ratings.

3. Contractor shall provide temporary protection, support, bracing, sealing and patching as required to maintain the existing fire rating or smoke partition ratings.

4. Contractor shall maintain an area around the work area at least 10 feet from the area worked on.

5. Contractor shall maintain an area around the work area at least 10 feet from the area worked on.

6. Contractor shall maintain an area around the work area at least 10 feet from the area worked on.

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50. Contractor shall maintain an area around the work area at least 10 feet from the area worked on.
1. CONSTRUCTION SHALL UTILIZE THE SIZES AND MATERIALS SPECIFIED FOLLOWING THE EXISTING CONDITIONS PRIOR TO DOCUMENTATION IN THE WORK. SIMPLIFY ALL EXISTING CONSTRUCTION CONFORMATIONS AND DOCUMENTATION IN THE FIELD AND prior TO PROCEEDING WITH THE WORK.

2. CONSTRUCTION SHALL NOT BE AFFECTED OR ALTERED IN ANY WAY, UNLESS ALL DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND ENGINEERING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.

3. PROJECT LIMITS AND CONDITIONS ARE TO BE ADMONISHED AT THE CURRENT WORK AND MEETING REQUIREMENTS ONLY. EXISTING CONSTRUCTION CONDITIONS ARISE OUT OF ANY FORCED EXTENSIONS TO THE EXTENT OF THE CONTRACT DOCUMENTS AND ENGINEERING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. CONSISTENCY CONSTRUCTION CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION CONDITIONS REQUIREMENTS.

4. DESCRIPTIONS AND MATERIALS DEPICTED ARE NOT TO SCALE. CONSTRUCTION SHALL APPEAR TO SCALE DEPICTED ON THE SHEET. VARIOUS MATERIALS AND CONDITIONS AS SPECIFIED TO MATCH EXISTING CONDITIONS APPEAR TO SCALE.

5. CONSTRUCTION CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. ALL EXPECTED EXISTING CONDITIONS AND MATERIALS ARE TO BE MATCHED.

6. APPLICATION OF FINISHES TO MATCH EXISTING CONDITIONS AS REQUIRED TO PROVIDE PRACTICAL FINISHES TO MATCH EXISTING CONDITIONS AS REQUIRED FOR LEVEL AND FLAT FLOOR SURFACES.

7. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY AND ALL DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND ENGINEERING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.

8. CONTRACTOR SHALL RECEIVE SCHEDULED FINISHES. LEVEL FLOOR SURFACES SCHEDULED TO BE REFINISHED. EXISTING ITEMS THAT ARE NOT REMOVABLE SHALL BE APPLIED EXISTING FINISHES NO LONGER VISIBLE SURROUNDING EXISTING ITEMS.

9. BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2013 KJWW, P.C.
### Door Frame Details

<table>
<thead>
<tr>
<th>Door Number</th>
<th>Room Number</th>
<th>Room Name</th>
<th>Ceiling Finish</th>
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</thead>
<tbody>
<tr>
<td>327</td>
<td>PSYCH MARINE DIAGONISTIC LAB 327-A</td>
<td>4' - 0&quot;</td>
<td>7' - 0&quot;</td>
</tr>
<tr>
<td>327</td>
<td>PSYCH MARINE DIAGONISTIC LAB 327-B</td>
<td>3' - 0&quot;</td>
<td>7' - 10&quot;</td>
</tr>
<tr>
<td>335</td>
<td>PROCEDURE LAB 335</td>
<td>4' - 0&quot;</td>
<td>7' - 10&quot;</td>
</tr>
</tbody>
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#### Equipment Schedule

**Equipment Legend**

- CF: Contractor Furnished
- CI: Contractor Installed
- OF: Owner Furnished
- OFI: Owner Installed

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Description</th>
<th>Room</th>
<th>Type</th>
<th>Count</th>
<th>Finish</th>
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<tbody>
<tr>
<td>XEQ-001</td>
<td>Tool box</td>
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<td>OFCI</td>
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<td>Cyro</td>
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<td>XEQ-003</td>
<td>Faraday box</td>
<td>Existing 327</td>
<td>OFCI</td>
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<td>XEQ-004</td>
<td>Faraday box</td>
<td>Existing 327</td>
<td>OFCI</td>
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<tr>
<td>XEQ-005</td>
<td>Table</td>
<td>Existing 327</td>
<td>OFCIXEQ-006</td>
<td>Full-height cabinet</td>
<td>Existing 327</td>
</tr>
</tbody>
</table>

**Notes:**

- Sealant, both sides typ.
- 3" = 1'-0"
LONGITUDINAL SEAMS - RECTANGULAR DUCT

NOTES:
1. NO SCALE
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

BRANCH CONNECTIONS

NOTES:
1. 45 DEGREE CONSTRUCTION
2. ENTRY Θ 45°
3. DRAW BANDS SNUG, WITH TIE
4. INSULATE PER SPECIFICATIONS.

DUCT REINFORCEMENT DETAIL

NOTES:
1. FOR INSULATED SYSTEMS, INTERNAL STRUCTURE BEING CONSIDERED AS PART OF THE OUTER SHELL, SHELL/SHEATH WILL BE CONSIDERED AS PART OF THE OUTER SHELL.
2. SHELL/SHEATH WILL BE CONSIDERED AS PART OF THE OUTER SHELL.
3. SHELL/SHEATH WILL BE CONSIDERED AS PART OF THE OUTER SHELL.
4. SHELL/SHEATH WILL BE CONSIDERED AS PART OF THE OUTER SHELL.
5. SHELL/SHEATH WILL BE CONSIDERED AS PART OF THE OUTER SHELL.
6. SHELL/SHEATH WILL BE CONSIDERED AS PART OF THE OUTER SHELL.

ELBOW CONSTRUCTION

NOTES:
1. INSULATED:
2. "FLEXRIGHT" (WWW.TITUS-HVAC.COM) ARE ACCEPTABLE PRODUCTS FOR "FLEXFLOW" (WWW.THERMAFLEX.BET/FLEXFLOW_ELBOW.PHP?AUD) AND "SMARTFLOW" ELBOW (WWW.HARTANDCOOLEY.COM), THERMAFLEX INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL 3 DIFFUSER CONNECTION DETAIL

TERMINAL AIR BOX DETAIL (WRAPPED MAIN)

NOTES:
1. TERMINAL AIR BOX (LIT TO CORE OF INSULATED DUCT) INSTALL WITHIN 24" OF TERMINAL AIR BOX TO SECURE THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL 3 DIFFUSER CONNECTION DETAIL

DIFFUSER CONNECTION DETAIL

NOTES:
1. TERMINAL AIR BOX (LIT TO CORE OF INSULATED DUCT) INSTALL WITHIN 24" OF TERMINAL AIR BOX TO SECURE THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL 3 DIFFUSER CONNECTION DETAIL

VITRIFIED CLAY TILES CONSTRUCTION (WRAPPED MAIN)

NOTES:
1. TERMINAL AIR BOX (LIT TO CORE OF INSULATED DUCT) INSTALL WITHIN 24" OF TERMINAL AIR BOX TO SECURE THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL 3 DIFFUSER CONNECTION DETAIL

ELBOW SUPPORT

NOTES:
1. TERMINAL AIR BOX (LIT TO CORE OF INSULATED DUCT) INSTALL WITHIN 24" OF TERMINAL AIR BOX TO SECURE THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL 3 DIFFUSER CONNECTION DETAIL

DIFFUSER CONSTRUCTION (WRAPPED MAIN)

NOTES:
1. TERMINAL AIR BOX (LIT TO CORE OF INSULATED DUCT) INSTALL WITHIN 24" OF TERMINAL AIR BOX TO SECURE THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL 3 DIFFUSER CONNECTION DETAIL

DEAD-END TEE DETAIL

NOTES:
1. TERMINAL AIR BOX (LIT TO CORE OF INSULATED DUCT) INSTALL WITHIN 24" OF TERMINAL AIR BOX TO SECURE THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL 3 DIFFUSER CONNECTION DETAIL

FUNCTIONAL DESIGN (WRAPPED MAIN)

NOTES:
1. TERMINAL AIR BOX (LIT TO CORE OF INSULATED DUCT) INSTALL WITHIN 24" OF TERMINAL AIR BOX TO SECURE THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL 3 DIFFUSER CONNECTION DETAIL

PITTSBURGH LOCK 30°

NOTES:
1. TERMINAL AIR BOX (LIT TO CORE OF INSULATED DUCT) INSTALL WITHIN 24" OF TERMINAL AIR BOX TO SECURE THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL 3 DIFFUSER CONNECTION DETAIL

DOUBLE CORNER SEAM

NOTES:
1. TERMINAL AIR BOX (LIT TO CORE OF INSULATED DUCT) INSTALL WITHIN 24" OF TERMINAL AIR BOX TO SECURE THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL 3 DIFFUSER CONNECTION DETAIL
1. Extend a portion of existing fire alarm initiating circuit to connect to heat appliance circuit.
2. Connect device to new notification appliance circuit from closest NAC extender panel or control panel.
3. Provide new NAC extender panel per specifications.
4. Install outlets in wireway housing 2.
5. Route surface raceway to ceiling.
6. Install outlets in wireway housing 1.
7. Install outlets in wireway housing 3.
8. New circuit breakers in existing panel shall match existing ratings and construction.
9. Provide low voltage transformer for fire alarm device.
10. Install device and wiring to above V700 or approved equal.

Fire Alarm Device Schedule:

- Approval stamp:
  - Fire alarm device approved.
  - All devices must be listed by Underwriters Laboratories, Inc.
  - All devices must be approved for installation by local fire and building officials.

Key:

- A = Mounting (if applicable)
- B = Circuit number
- C = Label orientation
- D = Approval

Sheet Notes:

- Refer to sheet E000 for general installation notes.
- All information outlets shall be served +18".
- Existing panel 'LPL 3-33 Sec.1'
- Existing panel 'LPL 3-33 Sec.2'
- Refractory door hardware
- Refrigerator
- Closet 339
- Coordinate location of existing fire alarm control panel
- All main power circuits shall be fed from distribution panel, UL 508 B.

Engineering Consultants:

- KJWW Engineering
- Illinois Design Firm Registration #184-000973
- Products and data are the exclusive property of KJWW Engineering and shall not be used or reproduced for any other project without the express written approval and participation of KJWW Engineering.

KJWW # 13.0146.00  -  NEIU - Vivarium & Marine Organisms Renovation