DEMO CONTROL PANEL, PREP FOR NEW DEMO EX'G PANELS. PREP FOR NEW PREP SURFACE FOR NEW PAINT, ENTIRE CAB DEMO EX'G RAIL, PREP FOR NEW DEMO EX'G FLOORING, PREP FOR NEW ELEVATOR CAB #1 ELEVATOR CAB #2

NOTE:
- DEMOLITION IS FOR FINISHES ONLY. EX'G ELEVATOR CABS TO REMAIN
- DEMOLITION TO APPLY TO BOTH ELEVATOR CABS
- ELEVATOR CAB DIMENSIONS TO BE FIELD VERIFIED BY CONTRACTOR

NEW SHEET VINYL FLOORING
REVEAL PANEL, PROVIDE COLOR SAMPLES TO ARCHITECT

(N) LED LIGHTS W/ WHITE TRANSLUCENT DIFFUSERS, MATCH EX'G DESIGNS

NEW CAR OPERATING PANEL, MEET ADA REQUIREMENTS, PROVIDE EMERGENCY PHONE SERVICE

NEW POSITION INDICATOR (N) LED LIGHTS W/ WHITE TRANSLUCENT DIFFUSERS, MATCH EX'G DESIGN

2" FLATBAR RAIL, BRUSHED STAINLESS STEEL #4

GENERAL FINISH NOTES
1. THE INTENT OF THE DRAWINGS IS TO PROVIDE INFORMATION FOR CONSTRUCTION. IT IS IMPORTANT FOR THE CONTRACTOR TO VERIFY FIELD DIMENSIONS AND CONDITIONS BEFORE EXECUTION OF THE WORK. FIELD VERIFICATION IS THE CONTRACTOR'S RESPONSIBILITY.
2. CONTRACTOR AND SUBCONTRACTORS SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT TO COMPLETE ALL WORK SHOWN ON PLANS, CALLED FOR IN SPECIFICATION, OR REASONABLY IMPLIED FOR A COMPLETE INSTALLATION. THE CONTRACTOR SHOULD CONTACT THE ARCHITECT SHOULD DISCREPANCIES EXIST.
3. WHERE CARPET IS TRANSITIONING TO EXISTING FLOOR FINISH THAT IS NOT CARPET, INSTALL A TRANSITION STRIP.

NEW HALL CALL CONTROL PUSH BUTTONS (8).

REPLACE HALL POSITION INDICATORS AT EACH STOP (8).

NEW LIGHT
### SPLIT SYSTEM FANCOIL SCHEDULE (R-410a)

<table>
<thead>
<tr>
<th>WORK</th>
<th>UNIT</th>
<th>MODELS</th>
<th>SCHEDULE</th>
<th>COORDINATION</th>
<th>SCHEDULED</th>
<th>ELECTRICAL DATA</th>
<th>ADDITIONAL DATA</th>
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<tbody>
<tr>
<td>SPLIT</td>
<td>WALL</td>
<td>TYPICAL</td>
<td>UNIT</td>
<td>3600</td>
<td>30</td>
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### HVAC LEGEND

- **R-410a**
- **R-507**
- **R-22**

### LEON JOHNSON HALL PASSENGER ELEVATORS COMPLIANCE UPGRADES

### PIPE MATERIAL SCHEDULE

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>MATERIAL</th>
<th>INTERIOR</th>
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<tbody>
<tr>
<td>Ducting</td>
<td>PVC</td>
<td>-----</td>
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<td>100</td>
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<tr>
<td></td>
<td>Steel</td>
<td>-----</td>
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### MECHANICAL SPECIFICATIONS

- **GENERAL**
  - **CONTRACTOR** SHALL INCLUDE ALL LABOR, MATERIALS, ACCESSORIES AND WORK NEEDED TO COMPLETE THE CONTRACTED WORK.
  - **CONTRACTOR** SHALL COMPLETE THE CONTRACTED WORK IN A WORKMANLIKE MANNER AND SHALL USE MATERIALS OF ACCEPTABLE QUALITY.
  - **CONTRACTOR** SHALL COMPLETE THE CONTRACTED WORK IN COMPLIANCE WITH ALL LAWS, RULES, REGULATIONS, CODES, AND STANDARDS APPLICABLE TO THE CONTRACTED WORK.

- **TERMS OF THE CONTRACT**
  - **CONTRACTOR** SHALL INDEMNIFY, DEFEND, AND HOLD HARMLESS THE OWNER FROM ANY LIABILITY ARISING OUT OF THE PERFORMANCE OF THE CONTRACTED WORK.

- **COORDINATION**
  - **CONTRACTOR** SHALL CoORDINATE WITH ALL OTHER TRADES MANUFACTURERS AND INSTALLERS TO AVOID ANY INTERFERENCE WITH EACH OTHER'S WORK.

- **SCHEDULE**
  - **CONTRACTOR** SHALL COMPLETE THE CONTRACTED WORK IN ACCORDANCE WITH THE SCHEDULE PROVIDED.

- **PAYMENTS**
  - **PAYMENTS** SHALL BE MADE IN ACCORDANCE WITH THE TERMS OF THE CONTRACT AND IN COMPLIANCE WITH THE LAWS OF THE STATE WHERE THE PROJECT IS LOCATED.

- **COMPLETION**
  - **CONTRACTOR** SHALL COMPLY WITH ALL LAWS, RULES, REGULATIONS, CODES, AND STANDARDS APPLICABLE TO THE COMPLETION OF THE CONTRACTED WORK.

- **WARRANTY**
  - **CONTRACTOR** SHALL COMPLY WITH ALL LAWS, RULES, REGULATIONS, CODES, AND STANDARDS APPLICABLE TO THE WARRANTY OF THE CONTRACTED WORK.
LEON JOHNSON HALL
PASSENGER ELEVATORS
COMPLIANCE UPGRADES

DEMO GENERAL NOTES

HVAC GENERAL NOTES

KEYNOTES

CONSTRUCTION DRAWINGS

PPA#18-2067

SHEET TITLE
MECHANICAL PLAN

SHEET
M2.1

DATE
06/30/2019
**NEW PENTHOUSE SUBpanel P1 PANEL SCHEDULE**

<table>
<thead>
<tr>
<th>Subpanel</th>
<th>Load</th>
<th>Location</th>
<th>Description</th>
<th>Note</th>
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<tbody>
<tr>
<td>P1</td>
<td>3.0 kW</td>
<td>Passenger Elevators</td>
<td>Leif Johnson Hall</td>
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**PROJECT NOTES**

1. Prior to construction shall begin, all work required to complete the Penthouse shall be completed. The Contractor shall make the appropriate plumbing connections and electrical connections. No additional plumbing connections or electrical connections shall be made after the construction date.
2. The Contractor shall make all necessary plumbing and electrical connections in accordance with the plans and specifications. All work shall be completed in accordance with the schedules and specifications.
3. The Contractor shall make all necessary plumbing and electrical connections in accordance with the plans and specifications. All work shall be completed in accordance with the schedules and specifications.
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**ELECTRICAL SYMBOL LEGEND**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
<th>Notes</th>
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<td>Watts</td>
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</tr>
<tr>
<td>V</td>
<td>Volts</td>
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</tr>
<tr>
<td>N</td>
<td>Neutral</td>
<td></td>
</tr>
<tr>
<td>L</td>
<td>Live</td>
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</tr>
<tr>
<td>G</td>
<td>Ground</td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>Sensor</td>
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<tr>
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<td>O</td>
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<tr>
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<tr>
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<td>GFI Receptacle</td>
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<tr>
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<td></td>
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<tr>
<td>EX</td>
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<tr>
<td>AS</td>
<td>Ampacity</td>
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<tr>
<td>AF</td>
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<td>RPM</td>
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<td>R</td>
<td>Raceway</td>
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</tr>
<tr>
<td>C</td>
<td>Copper</td>
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**ELECTRICAL ABBREVIATIONS**

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<tbody>
<tr>
<td>NM</td>
<td>Non-metallic</td>
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<tr>
<td>MS</td>
<td>Metal sheathed</td>
</tr>
<tr>
<td>MT</td>
<td>Metal sheathed</td>
</tr>
<tr>
<td>ST</td>
<td>Steel sheathed</td>
</tr>
<tr>
<td>TH</td>
<td>Thhn THWN</td>
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</table>

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**HELENA, MONTANA 59601**

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**SHEET TITLE**

**PASSENGER ELEVATORS**

**COMPLIANCE UPGRADES**

---

**DATE**

05/20/2019
ELECTRICAL GENERAL NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE RESPONSIBILITIES WITH EACH OTHER TO AVOID FIELD CHANGES.

B. COMPLIANCE UPGRADES TO BE ADDED TO THE EXISTING ELECTRICAL SYSTEM.

C. ALL CONCRETE AND QTR-UNIT LOCATIONS ARE TO BE FIELD VERIFIED.

D. COORDINATE AVAILABLE SPACE FOR EQUIPMENT AND PIPE SYSTEMS WITH STRUCTURAL ENGINEER.

E. COORDINATE AVAILABLE SPACE FOR EQUIPMENT AND PIPE SYSTEMS WITH STRUCTURAL ENGINEER.

F. COORDINATE ALL CONSUMER PROTECTIONS WITH STRUCTURAL ENGINEER.

G. COORDINATE ALL CONSUMER PROTECTIONS WITH STRUCTURAL ENGINEER.

H. ALL ELECTRICAL CONNECTIONS FROM THE ELEVATOR CONTROLLER LOAD SIDE ARE TO BE MADE IN THE ELEVATOR CONTRACTOR.

I. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

J. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

K. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

L. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

M. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

N. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

O. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

P. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

Q. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

R. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

S. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

T. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

U. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

V. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

W. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

X. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

Y. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

Z. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY HOW AND WHERE CONCRETE CAN BE CUT.

KEYNOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE RESPONSIBILITIES WITH EACH OTHER TO AVOID FIELD CHANGES.

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