Idaho Transportation Department
New Meadows, Idaho

Project D203290
New Meadows Maintenance Building
HVAC Project

17 January 2020
KEYED NOTES:

1. Relocate existing unit heater closer to exterior wall.
2. Relocate existing radiant tube heaters, gas piping and any associated accessories.
3. Remove existing 1-1/4" propane gas piping back to pressure regulator.
4. Existing exhaust and make-up air system to remain as is.

LEVEL 1 DEMO HVAC FLOOR PLAN

3/16" = 1'-0"
KEYED NOTES:
1. Relocate existing R-22 water heater to all cat. of equipment. Disconnect exhaust piping and vent pipe at wall.
2. Correct vent piping and exhaust to existing equipment in the location.
3. Existing exhaust and make-up air system to remain as is.

LEVEL 1 - NEW HVAC FLOOR PLAN

1-1/2" LP GAS

1-1/2" LP GAS

1" LP GAS

2" LP GAS

3/16" = 1'-0"
REMARKS:
1. APPROVED ALTERNATE MANUFACTURERS: HASTINGS, TRANE, MODINE, AND STERLING.
2. PROVIDE UNIT WITH MANUAL SUMMER/WINTER SWITCH, THERMOSTAT AND RELAY KIT, 65° DOWNTURN NOZZLE WITH HORIZONTAL LOUVERS, AND 4-POINT SUSPENSION KIT.

GAS-FIRED UNIT HEATER SCHEDULE

<table>
<thead>
<tr>
<th>FUEL</th>
<th>AREA SERVED</th>
<th>UNIT TYPE</th>
<th>ELECTRICAL</th>
<th>GAS HEATING</th>
<th>MANUFACTURER AND MODEL</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>CFM</td>
<td>RPM</td>
<td>HP</td>
<td>V/Ø</td>
</tr>
<tr>
<td>UH-3</td>
<td>SHOP</td>
<td>CONCENTRIC CONNECTION</td>
<td>3843</td>
<td>1050</td>
<td>1/2</td>
<td>115</td>
</tr>
<tr>
<td>UH-4</td>
<td>SHOP</td>
<td>CONCENTRIC CONNECTION</td>
<td>3843</td>
<td>1050</td>
<td>1/2</td>
<td>115</td>
</tr>
</tbody>
</table>

UNIT HEATER CONCENTRIC VENT DETAIL

GAS EQUIPMENT CONNECTION DETAIL
EMERGENCY EGRESS LIGHTING WITH OUT FIXTURE HEADS. CONNECT ELECTRICAL COVER SHEET WITH PULL CORD AS SPECIFIED DEDICATED NEUTRAL CONDUCTOR. EACH 1 POLE BREAKER SHALL BE FURNISHED WITH AN INDIVIDUAL.

NOTE:
- THIS IS A STANDARD LIST OF COMMONLY USED THROUGHOUT ENTIRE CIRCUIT.
- INSTALL/PROVIDED/WEATHER PROOF/NEMA 3R WIRE GUARD WATT UG (TYP.)
- TELEPHONE TERMINAL BOARD TRT
- EXTERIOR WALL PACK TOE KICK
- TIME DELAY RELAY TDR
- LED DRIVER
- PANELBOARD. SEE SCHEDULE FOR TYPE.
- MOTOR STARTER/CONTACTOR, SIZE/POLES NEMA 1 UNO AS INDICATED MCC
- MAIN CIRCUIT BREAKER MB
- MAIN BREAKER
- AUTOMATIC TRANSFER SWITCH (ATS)
- NIGHT LIGHT
- OVERHEAD SERVICE DROP NC
- FUSED DISCONNECT SWITCH, SIZE/POLES, FUSE SIZES AS INDICATED, BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- MAIN LUGS ONLY MLO
- ROUND EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP MTG
- ROUND LIGHT FIXTURE
- MAIN LUGS ONLY MLO
- WALL MOUNTED LIGHT FIXTURE.
- DEMOLITION DRAWING(S) ARE TO REMAIN UNLESS OTHERWISE NOTED.

NOTE:
- THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE; THEREFORE, THESE ELECTRICAL DRAWINGS ARE NOT TO SCALE.
- ALL LABOR AND INCIDENTALS THAT WILL BE NECESSARY TO PERFORM HAND-OFF-AUTO LOCATION. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

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- DEMOLITION DRAWING(S) ARE TO REMAIN UNLESS OTHERWISE NOTED.
NEW MEADOWS MAINTENANCE BUILDING PROJECT

LIGHTING PLAN

NORTH

1/16" = 1'-0"

LIGHTING FIXTURE SCHEDULE-19372

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DESCRIPTION</th>
<th>MOUNTING</th>
<th>LUMEN'S (LM)</th>
<th>MANUFACTURER &amp; CATALOG NUMBER</th>
<th>COLOR TEMP (K</th>
<th>NOTES</th>
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<tbody>
<tr>
<td>MFR 1800</td>
<td>MOUNTED COOL WHITE REFLECTOR</td>
<td>RECESSED 4&quot;</td>
<td>10500</td>
<td>JADE TECHNOLOGIES</td>
<td>4000</td>
<td>1.2</td>
</tr>
<tr>
<td>MFR 1801</td>
<td>MOUNTED MOLDED FUTURISTIC, CLEAR REFLECTOR</td>
<td>RECESSED 4&quot;</td>
<td>10500</td>
<td>JADE TECHNOLOGIES</td>
<td>4000</td>
<td>1.2</td>
</tr>
<tr>
<td>MFR 1802</td>
<td>MOUNTED MOLDED FUTURISTIC, CLEAR REFLECTOR</td>
<td>RECESSED 4&quot;</td>
<td>10500</td>
<td>JADE TECHNOLOGIES</td>
<td>4000</td>
<td>1.2</td>
</tr>
</tbody>
</table>

NEW LIGHT FIXTURE TO REPLACE EXISTING. CONNECT TO EXISTING LIGHT CIRCUIT.

NEW LIGHT FIXTURE TO REPLACE EXISTING. CONNECT TO EXISTING LIGHT CIRCUIT.

NEW LIGHT FIXTURE. CONNECT TO EXISTING MOUNTED LIGHTING CIRCUIT. VERIFY MOUNTING LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN.

KEYED NOTES:

- LIGHT FIXTURES WILL BE ALLOWED TO BE PERMITTED BY LOCAL / CIVIL ENGINEERING AGENCY DEPENDENT UPON THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING SUBMITTED FIXTURES MEET OR EXCEED THE SPECIFICATIONS OF THE FIXTURES SPECIFIED ON DRAWING. SIMILAR FIXTURES NOT LISTED OR NOT APPLICABLE TO SHALL ADMIT THE ARCHITECT’S EXECUTION OF THIS DRAWING.

- VERIFY MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

- LIGHTING PLAN

DRAWING NO.:

2400 E. Riverwalk Drive
Boise, Idaho 83706
www.lkvarchitects.com
208.336.3443

DATE:

LKV PROJECT #:

DRAWN BY:

CHECKED BY:

Revisions

#  

Description

Date

19-372

New Meadows Maintenance Building HVAC Project

Idaho Transportation Department

417 N. NORRIS

NEW MEADOWS, IDAHO

AGENCY REVIEW
KEYED NOTES:

1. CONDUIT TO CORRESPONDING MECHANICAL UNIT. BOX, CONDUIT, AND CONDUCTORS TO COORDINATE WITH MECHANICAL CONTRACTOR. BOX, CONDUIT, AND CONDUCTORS TO BE PROVIDED BY ELECTRICAL CONTRACTOR. LEAVE 12" SLACK AT BOX AND MECHANICAL UNIT. MECHANICAL CONTRACTOR TO MAKE FINAL CONNECTIONS. COORDINATE BOX SIZE AND QUANTITY OF CONDUCTOR(S) WITH MECHANICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

2. CONNECT TO CIRCUIT MADE SPARE FROM REMOVED RADIANT HEATER.

3. UNIT HEATER RELOCATED BY MECHANICAL. EXTEND EXISTING POWER CIRCUIT AND CONTROLS TO NEW LOCATION. COORDINATE ELECTRICAL WITH MECHANICAL CONTRACTOR.