**GENERAL NOTES**

1. THESE DOCUMENTS ARE NOT FOR BURGLAR OR DANGER COMMESSION. NO PERSONAL ITEMS SHOULD BE PLACED ON OR IN THE FLOOR MATERIALS. ALL ITEMS SHOULD BE KEPT CLEAN AND DUSTED DURING THE INSTALLATION PROCESS. FOR THE USER'S SAFETY, PLEASE KEEP THE FLOOR MATERIALS CLEAN AND DUSTED AT ALL TIMES.

2. PROVIDE JOINT SEALANT AT CONTROL JOINTS, EXPANSION JOINTS, AT JOINTS BETWEEN DISSIMILAR MATERIALS AND AS INDICATED.

3. PROVIDE ISOLATION/PROTECTION AGAINST METAL DETERIORATION.

4. WHERE ALUMINUM SURFACES WILL COME INTO CONTACT WITH MORTAR AND GROUT ISOLATION/PROTECTION AGAINST GALVANIC ACTION (ELECTROLYSIS).

5. TREATED LUMBER WILL COME INTO CONTACT WITH METAL SURFACES PROVIDE ISOLATION/PROTECTION AGAINST GALVANIC ACTION (ELECTROLYSIS).

6. PROVIDE JOINT SEALANT AT CONTROL JOINTS, EXPANSION JOINTS, AT JOINTS BETWEEN DISSIMILAR MATERIALS AND AS INDICATED.

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**DRAWING SYMBOLS**

- **SECTION DESIGNATION**
- **ELEVATION TAG**
- **DIMENSION NOTE**
- **DOOR TAG**
- **ELEVATION TAG**
- **CUT/ELEVATION**
- **NORTH ARROWS**
- **REVISION BUBBLE AND TAG**
- **ELEVATION**
- **FIRE EXTINGUISHER CABINET**
- **FIRE EXTINGUISHER**
- **FIRE EXTINGUISHER**
- **CARD READER**
- **FINISH TYPE**
- **ROOM NUMBER**
- **ROOM NAME**
- **CENTERLINE**
- **CEILING TAG WITH HEIGHT**
- **PARTITION TAG**
- **EQUIPMENT TAG**
- **TOILET ACCESSORY TAG**
- **RACK/LAYER TAG**
- **CALCUT/RETENTION OR SERIAL NUMBER**
- **DATE**
- **ELEVATION TAG**
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- **TOILET ACCESSORY TAG**
- **RACK/LAYER TAG**
- **CALCUT/RETENTION OR SERIAL NUMBER**
- **DATE**
1 REMOVE DOOR.
2 REMOVE WOOD WALL BASE FROM ALL WALLS. PATCH AND REPAIR AS NEEDED TO RESTORE TO EXISTING CONDITION.
3 REMOVE PAPER TOWEL HOLDER, SINK, MIRROR, LIGHT FIXTURE, TOILET PAPER HOLDER, AND WALL BASE. REMOVE AND REINSTALL TOILET AND GRAB BARS FOR TILE INSTALLATION. EXISTING SINK WATER SUPPLY AND PIPING TO REMAIN FOR FUTURE SINK INSTALLATION.
4 REMOVE EXIT SIGN ABOVE DOOR.
5 REMOVE PORTION OF WALL BETWEEN EXISTING COLUMNS FOR NEW OPENING. COORDINATE WITH NEW BULKHEAD HEIGHT.
1 PROVIDE 3 1/2" OF ACOUSTIC BATT INSULATION ABOVE CEILINGS FOR FULL EXTENTS OF ROOMS 111 & 113.
1 1/2" = 1'-0" 1

1 1/2" = 1'-0" 2

1 1/2" = 1'-0" 3

1 1/2" = 1'-0" 4

1 1/2" = 1'-0" 5

1 1/2" = 1'-0" 6

1 1/2" = 1'-0" 7

1 1/2" = 1'-0" 8
GENERAL NOTES:
1. PLUMBING DESIGN IS BASED ON THE LATEST EDITION OF THE OHIO PLUMBING CODE, INCLUDING ALL AMENDMENTS THROUGH THE DATE OF DRAWING ISSUE.
2. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE CODES, GUIDELINES, AND REGULATIONS THAT APPLY TO THE LOCATION OF THE WORK AND THE CONTRACTOR IS RESPONSIBLE FOR ASSESSING AND SATISFYING THE REQUIREMENTS.
3. COORDINATE ALL CONSTRUCTION ACTIVITIES AND REQUIREMENTS THAT AFFECT THE EXISTING BUILDING OPERATIONS WITH THE OWNER'S REPRESENTATIVE.
4. COORDINATE ALL PLUMBING WITH CONCEALED PLUMBING SYSTEMS. MECHANICAL AND ELECTRICAL WORK. UNLESS DESIGNATED AS BELOW SLAB, ALL PIPING IS INTENDED TO BE CONCEALED ABOVE FINISHED CEILING IN AREAS WHERE PIPING IS EXPOSED, ALL STACKS, RISERS, ETC. SHALL BE CAREFULLY INSTALLED SO AS TO BE CONCEALED BY FINISHED CONSTRUCTION, WHERE PIPING IS EXPOSED, LOCATIONS SHALL BE COORDINATED WITH OTHER TRADERS.
5. PROVIDE ISOLATION VALVES IN ALL SUPPLY BRANCHES SERVING MULTIPLE FIXTURES. PROVIDE ADDITIONAL ISOLATION VALVES AS SHOWN ON THE PLUMBING FIXTURE SCHEDULE.
6. PROVIDE ISOLATION VALVES IN ALL SUPPLY BRANCHES SERVING MULTIPLE FIXTURES. PROVIDE ISOLATION VALVES IN ALL SUPPLY BRANCHES SERVING MULTIPLE FIXTURES. REFER TO PIPING DIAGRAMS, DETAILS, AND STACKS FOR PIPING AND PIPE SLEEVES.
7. SEAL ALL THROUGH FLOOR PENETRATIONS AIR AND WATER TIGHT.
8. PROVIDE SOLUTIONS BEST SUITED FOR EACH SPECIFIC REQUIREMENT AND SPECIFY THE TYPE OF這樣的 WATER AND VEGETATION TO BE USED IN THE AREA.
9. PROVIDE THE REQUIRED ISOLATION VALVES AND ISOLATION VALVES AND ISOLATION VALVES AND ISOLATION VALVES AND ISOLATION VALVES.
10. PROVIDE THE REQUIRED ISOLATION VALVES AND ISOLATION VALVES AND ISOLATION VALVES AND ISOLATION VALVES AND ISOLATION VALVES.
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CODED NOTES

1. REMOVE GAS PIPING TO UNIT HEATER AS SHOWN. HEATER TO BE REMOVED BY THE HVAC CONTRACTOR.

2. NATURAL GAS METER TO REMAIN. CAP PIPING AT METER.

3. PLUMBING FIXTURES AND PIPING ASSOCIATED WITH THIRD RESTROOM TO REMAIN.

4. EAT-TRY AND WATER HEATER IN THE JAINTO Closet TO REMAIN.

5. REMOVE FLOOR DRAIN. CAP SANITARY PIPING AT FLOOR.

6. EXISTING WATER SERVICE TO REMAIN.

7. EXISTING WATER SERVICE WITH IN BUILDING WITH WATER METER AND WATER FLOW PREVENTER TO REMAIN. PIPE WILL BE INCORPORATED INTO THE WALL METER. REFER TO DETAIL.

8. EXISTING WATER SERVICE TO REMAIN. DISCONNECT STACKED ABOVE THE WATER METER. REFER TO DETAIL.

9. REMOVE PORTION OF ½" DOMESTIC HOT WATER PIPE AS SHOWN. THIS WILL BE REPLACED WITH ¾" PIPE IN THE NEW WORK PHASE.

10. REMOVE EXISTING WATER SUB-METER. RECONNECT DOMESTIC WATER PIPING WITH THE SAME SIZE PIPING AS EXISTING.
1. ROUTE THE PORTION OF NEW SANITARY PIPING IN THE WALL.
2. CONNECT SANITARY PIPING FROM LAUNDRY TO SANITARY PIPE FROM SINK.
3. COMPLETE SANITARY FROM PIPING LOCATION SHOWN AT THIS POINT. CONNECT NEW SANITARY TO EXISTING SANITARY.
4. CONTRACTOR SHALL VERIFY ELEVATION OF EXISTING SANITARY PRIOR TO SAW CUTTING.
5. CONNECT SANITARY FROM ELECTRIC WATER COOLING TO SANITARY FROM SINK AND LAVATORY PRIOR TO SANITARY GOING BELOW SLAB.

SCALE: 1/8" = 1'-0"

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Canal Winchester, OH 43110

UNDERFLOOR - NEW WORK PLAN

DESIGN DEVELOPMENT SET

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1. Extend ½" Domestic Cold Water and ½" Domestic Hot Water to new sink/laundry area. Connect to existing domestic water piping system in existing restrooms.

2. Existing water service into building with backflow preventer. Stacked on top of water meter. Refer to detail.

3. Extend 1½" Natural Gas Pipe from meter to rooftop unit RTU3. Connect per detail.

4. Provide wall box for refrigerator ice maker connection. Guy wired to original pipe. Make final connection to refrigerator.

5. Provide ball isolation valves in DCW and DHW piping to laundry with 24" x 24" wall access panel.

6. Provide ball isolation valves in DCW and DHW piping to sink above ceiling in accessible location.
### PLUMBING FIXTURE SCHEDULE

<table>
<thead>
<tr>
<th>FIXTURE</th>
<th>DESCRIPTION</th>
<th>WALL MOUNTED</th>
<th>FLOOR MOUNTED</th>
<th>SAN DESCRIPTION</th>
</tr>
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<tbody>
<tr>
<td>TAG</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>WALL MOUNTED</td>
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<tr>
<td>FLOOR MOUNTED</td>
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</tbody>
</table>

### DETAILS

#### A DETAIL
- Typical under sink/lavatory water supply piping

#### B DETAIL
- Typical dirt leg at all gas piping service connections

#### C DETAIL
- Water service demolition

#### D DETAIL
- Water service new work

### PLUMBING SCHEDULES AND DETAILS

<table>
<thead>
<tr>
<th>MANUFACTURER(S) INDICATED SERVE AS BASIS OF DESIGN. FOR ADDITIONAL ACCEPTABLE MANUFACTURERS, REFER TO SPECIFICATIONS.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROVIDE TRANSFORMER AND EXTENSION CABLES (LENGTH AS REQUIRED). PROVIDE BATTERIES FOR SENSOR-OPERATED FAUCETS.</td>
</tr>
</tbody>
</table>

### ELECTRIC WATER COOLER (BI-LEVEL)
- Elkay LMABFTL8WSSK
- Integral in integral MCGUIRE 8902C
- Bi-level, dual station, refrigerated, filtered electric water cooler with sensor-activated bottle filler, stainless steel basin, 6.0 full load amps, 120V/1P. Integral water chiller shall supply 8.0 GPH of 50F water at 90F ambient.

### BACKFLOW PREVENTER
- SUPPLY FROM BRANCH TO GAS FIRED EQUIPMENT, SIZE PER EQUIPMENT MANUFACTURER'S INSTALLATION REQUIREMENTS.
- SUPPLY TO MAIN AND EQUIPMENT MANUFACTURER'S REQUIREMENTS.
- SUPPLY CAP OF SUPPLY LINE

### SUPPLY STOP (TYP)
- Copper tubing adapter (TYP)
- Mixing valve (cast bronze body) with integral checks & screen (ASSE 1070) set at 110°F adjustable
- Flex connector - braided stainless steel 3/8"C X 1/2" FIP-16"

### SUPPLY FROM BRANCH
- Supply valve rated for line, per plan size

### ELECTRIC WATER COOLER (SPLIT LEVEL)
- Elkay LMABFTL8WSSK
- Integral in integral MCGUIRE 8902C
- Bi-level, dual station, refrigerated, filtered electric water cooler with sensor-activated bottle filler, stainless steel basin, 6.0 full load amps, 120V/1P. Integral water chiller shall supply 8.0 GPH of 50F water at 90F ambient.

### SUPPLY TO MAIN AND EQUIPMENT MANUFACTURER'S REQUIREMENTS.
- SUPPLY TO MAIN AND EQUIPMENT MANUFACTURER'S REQUIREMENTS.

### EVOLUTION EXCEL
- Food waste grinder, Insinkerator "Evolution" Excel; 1 HP, 120 V, 60 HZ, 1725 RPM.
1. REMOVE GAS FIRED HEATER AND ASSOCIATED THERMOSTAT AND DUCTWORK.

2. CABINET UNIT HEATER TO REMAIN.

3. EXHAUST FAN TO REMAIN.
### Split Air Conditioning Unit Schedule

<table>
<thead>
<tr>
<th>Location</th>
<th>Model</th>
<th>Function</th>
<th>Unit Type</th>
<th>Location</th>
<th>Minimum O.A.</th>
<th>CFM</th>
<th>Total MBH</th>
<th>Total MBH Refr. E.A.T.</th>
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</tbody>
</table>

### Electric Reheat Terminal Box Schedule

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Model</th>
<th>Function</th>
<th>Type</th>
<th>Location</th>
<th>Minimum O.A.</th>
<th>CFM</th>
<th>Total MBH</th>
<th>Total MBH Refr. E.A.T.</th>
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</tbody>
</table>

### Grille, Register & Diffuser Schedule

<table>
<thead>
<tr>
<th>Tag</th>
<th>Location</th>
<th>Model</th>
<th>Function</th>
<th>Type</th>
<th>Core Type</th>
<th>Size</th>
<th>Width</th>
<th>Length</th>
<th>Finish</th>
<th>Color</th>
<th>N.C.</th>
<th>Material</th>
<th>Type</th>
<th>Range</th>
<th>Construction</th>
</tr>
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<tbody>
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</tbody>
</table>

### Rooftop Air Handling Unit Schedule (Mounted on Grade)

<table>
<thead>
<tr>
<th>Tag</th>
<th>Location</th>
<th>Model</th>
<th>Function</th>
<th>Type</th>
<th>Location</th>
<th>Minimum O.A.</th>
<th>CFM</th>
<th>Total MBH</th>
<th>Total MBH Refr. E.A.T.</th>
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</tbody>
</table>

**CODED NOTES:**

- **B** = Control Panel with Integral Disconnect Switch
- **C** = Arrange Model Location Tag
- **W** = Wall Switch
- **M** = MCA MOCP
- **J** = JG
- **L** = L
- **H** = H
- **E** = E

**GENERAL COIL CAP. BASED ON 50% AIRFLOW.**

**SEE PLANS FOR SPECIFIC CAPACITIES.**
**DETAIL**

**TYPICAL DUCT CONNECTIONS (HIGH VELOCITY SUPPLY)** N.T.S.

**DETAIL**

**TYPICAL DUCT CONNECTIONS** N.T.S.

**DETAIL**

**DIFFUSER MOUNTING (SUPPLY DUCT CLOSE TO CEILING)** N.T.S.

**DETAIL**

**RETURN GRILLE CONNECTION (PLENUM), TYPICAL** N.T.S.

**DETAIL**

**ACOUSTICAL TRANSFER DUCT THROUGH WALL** N.T.S.

---

**CML - CANAL WINCHESTER BRANCH**
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Canal Winchester, OH 43110

---

NOT FOR CONSTRUCTION

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H-601
HVAC DETAILS
1. REMOVE POWER TO UNIT HEATER.
2. OUTLETS, HEATER AND EXHAUST FAN TO REMAIN.
3. PANEL "D" TO REMAIN.
4. REMOVE POWER TO FAN.
FLOOR PLAN

A

FIRST FLOOR LIGHTING PLAN

CODED NOTES

1. PROVIDE CV11 LIGHTING FIXTURE IN KICKSPACE AT BOTTOM OF CASEWORK.
1. PROVIDE 200/125/3 DISCONNECT SWITCH AND POWER CONNECTION TO HVAC (RTU3) 105 FLA 208 V, 3Ø.
2. PROVIDE 30/25/2 DISCONNECT SWITCH AND POWER CONNECTION TO ACCU1 / AC1 11 FLA, 208 V, 1 Ø.
3. PROVIDE 30/10/3 DISCONNECT SWITCH AND POWER CONNECTION TO TB23, 2.5 KW, 208 V, 3Ø.
4. PROVIDE 30/10/3 DISCONNECT SWITCH AND POWER CONNECTION TO TB25, 15.5 KW, 208 V, 3Ø.
5. PROVIDE 30/10/3 DISCONNECT SWITCH AND POWER CONNECTION TO TB23, 6.4 KW, 208 V, 3Ø.
6. PROVIDE 30/10/3 DISCONNECT SWITCH AND POWER CONNECTION TO TB23, 9.3 KW, 208 V, 3Ø.
7. PROVIDE 30/10/3 DISCONNECT SWITCH AND POWER CONNECTION TO TB26, 15.5 KW, 208 V, 3Ø.
8. PROVIDE 30/10/3 DISCONNECT SWITCH AND POWER CONNECTION TO TB23, 5.0 KW, 208 V, 3Ø.
9. PROVIDE 30/10/3 DISCONNECT SWITCH AND POWER CONNECTION TO TB23, 3.6 KW, 208 V, 3Ø.
10. PROVIDE 30/10/3 DISCONNECT SWITCH AND POWER CONNECTION TO TB23, 5.7 KW, 208 V, 3Ø.
11. INSTALL OUTLET HORIZONTALLY IN CASEWORK.
12. PROVIDE POWER CONNECTION TO MOTORIZED DOOR. CONDUIT AND CABLING TO PUSH PLATES.
13. LIGHTING CONTROL PANEL TIE INTO HVAC BAS SYSTEM.
14. PROVIDE POWER AND CONTROL CABLING TO MOTORIZED SHADES AND CONTROLLER.
15. AEP OVERHEAD SERVICE TO MASTHEAD, METER, DISCONNECT SWITCH AND NEW PANEL.
16. PROVIDE POWER AND CONTROL CABLING TO MOTORIZED DOORS AND CONTROLLERS.
17. DSP CONTROL SERVICE TO MISTING, METER, DISCONNECT SWITCH AND NEW PANEL.
18. PROVIDE POWER OUTLET UPRIGHTLY IN CASEWORK.
19. PROVIDE 200/125/3 DISCONNECT SWITCH AND POWER CONNECTION TO TB23, 105 FLA, 208 V, 3Ø.
20. PROVIDE 30/25/2 DISCONNECT SWITCH AND POWER CONNECTION TO TB25, 11 FLA, 208 V, 1 Ø.
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30. PROVIDE POWER CONNECTION TO MOTORIZED DOOR. CONDUIT AND CABLING TO PUSH PLATES.
31. LIGHTING CONTROL PANEL TIE INTO HVAC BAS SYSTEM.
32. PROVIDE POWER AND CONTROL CABLING TO MOTORIZED SHADES AND CONTROLLER.
33. AEP OVERHEAD SERVICE TO MASTHEAD, METER, DISCONNECT SWITCH AND NEW PANEL.
**LUMINAIRE SCHEDULE**

<table>
<thead>
<tr>
<th>TAG MANUFACTURER</th>
<th>SERIES</th>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>SIZING</th>
<th>UNIT</th>
<th>VOLTAGE</th>
<th>WATTAGE</th>
<th>DIMENSIONS (W x H x L)</th>
<th>FINISHES</th>
<th>MOUNTING</th>
<th>MATERIALS</th>
<th>NUMBER</th>
<th>OPTIONS</th>
<th>APPROVED MANUFACTURER</th>
</tr>
</thead>
<tbody>
<tr>
<td>T9E</td>
<td>CML</td>
<td>C52</td>
<td>GARRETT STARR LED PANEL</td>
<td>1 x 2</td>
<td>UNIT</td>
<td>120V</td>
<td>50 W</td>
<td>14&quot; x 20&quot; x 2&quot;</td>
<td>WHITE</td>
<td>DIRECT</td>
<td>STEEL</td>
<td>1</td>
<td></td>
<td>SORRENTO LIGHTING</td>
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<tr>
<td>T15</td>
<td>SQ2</td>
<td>630</td>
<td>MIRRORED SPOTLIGHT</td>
<td>1 unit</td>
<td>UNIT</td>
<td>120V</td>
<td>100 W</td>
<td>12&quot; x 12&quot; x 5&quot;</td>
<td>BRUSHED ALUMINUM</td>
<td>DIRECT</td>
<td>STEEL</td>
<td>1</td>
<td></td>
<td>FEELUX NDPRO, CALI FS4000</td>
</tr>
<tr>
<td>T25</td>
<td>ZL2N</td>
<td>13&quot; X 13&quot; X 5.2&quot;</td>
<td>CEILING RECESSED</td>
<td>2</td>
<td>UNIT</td>
<td>120V</td>
<td>42 W</td>
<td>13&quot; x 13&quot; x 5.2&quot;</td>
<td>WHITE</td>
<td>DIRECT</td>
<td>STEEL</td>
<td>1</td>
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<td>LITHONIA</td>
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<tr>
<td>T30</td>
<td>MIRRORED</td>
<td>90 DEGREE</td>
<td>RECESSED</td>
<td>1</td>
<td>UNIT</td>
<td>120V</td>
<td>75 W</td>
<td>12&quot; x 12&quot; x 5&quot;</td>
<td>BRUSHED ALUMINUM</td>
<td>DIRECT</td>
<td>STEEL</td>
<td>1</td>
<td></td>
<td>MIRROR BRUSHED ALUMINUM - OPTICS TBD</td>
</tr>
</tbody>
</table>

**NOT FOR CONSTRUCTION**

E-501

**CML - CANAL WINCHESTER BRANCH**

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