ADDENDUM No. 1

This addendum supersedes items of the original contract documents wherein it is inconsistent with it. All other conditions remain unchanged. The following changes, modifications, corrections, additions or clarifications shall apply to the contract documents and shall be made a part of and subject to all of the requirements thereof as if originally specified or shown. It is the responsibility of the bidder to review the list of attachments to ensure that the addendum is full and complete. This Addendum modifies the original Bid Documents for the above Bid. Acknowledge receipt of this addendum in the space provided on the BID FORM. Failure to do so may subject Bidder to disqualification.

The following questions/request for information were submitted to District Bid No. 16-17/32.

1. **What are the model numbers of the new faucets, spouts, vacuum breakers, aspirators, and aerators for the Laney College Chemistry Lab Faucets Upgrade project?**

   **Answer:** The model # of the FAUCET: Manufacturer: Chicago, Model #: 1301-GN2BVBCP - Combination Triple Service VACUUM BREAKER SWING SPOUT: Manufacturer: Chicago, Model #: GN2BVBJKABCP VACUUM BREAKER SWING SPOUT
   According to the specs for the faucet, the aerator is included.

2. **Duration of the Project**

   **Answer:** 60 Days
3. Additional attachments:

Chicago Faucets Specs
Chicago Faucet – Installation Instructions
Chicago-Parts Drawings
Installation Note

End of Addendum One
MECHANICAL FAUCETS
1301-GN2BVBCP
Multiple Service Fixtures

Product Type
Deck Mounted Multiple Service Valves Combination Triple Service Fixture

Features & Specifications
• Multiple Service Valves
• Shank Assembly
• Secondary Control Valve
  • 6" Rigid / Swing Gooseneck Spout with Atmospheric Vacuum Breaker
  • 2.2 GPM (8.3 L/min) Aerator
  • 2-1/2" Vandal Proof Cross Handle
  • Slow Compression Operating Cartridge
• May Be Used with Most Laboratory Gases
• Atmospheric Vacuum Breaker, Not Intended for Continuous Pressure Applications
• 909 VALVE IS CERTIFIED FOR GAS SERVICE PER ANSI Z21.15B-2006/CSA BY THE CANADIAN STANDARDS ASSOCIATION
• Atmospheric Vacuum Breaker, Not Intended for Continuous Pressure Applications
• CFN! Item Ships in 3 Days

Performance Specification
• Rated Operating Pressure: 0-0.5 PSI
• Rated Operating Temperature: 40-140 °F

Warranty
• Lifetime Limited Faucet Warranty
• 5-Year Limited Cartridge Warranty
• 1-Year Limited Finish Warranty

Codes & Standards
• ASSE 1001
1301-GN2BVBCP
Multiple Service Fixtures

Architect/Engineer Specification
Chicago Faucets No. 1301-GN2BVBCP, Multiple Service Valve, combination triple service, chrome plated. Deck mounted. Serrated, full-flow laboratory nozzle. Includes shank assembly. May be used with most laboratory gases. NOTE: Atmospheric vacuum breaker is NOT intended for continuous pressure applications. 909 Valve is Certified for Gas Service per ANSI Z21.15b-2006/CSA 9.1b-2006 by the Canadian Standards Association. Mounting hardware included. NOTE: Atmospheric vacuum breaker is NOT intended for continuous pressure applications. Secondary control valve: Rigid/swing gooseneck spout with atmospheric vacuum breaker, 6" center-to-center. 2-1/2" metal, vandal-proof, cross handle with eight-point, tapered broach and button indexed "CW". Slow compression rebuildable cartridge, opens and closes 360° for fine adjustment, closes with water pressure, features square, tapered stem.

Operation and Maintenance
Installation should be in accordance with local plumbing codes. Flush all pipes thoroughly before installation. After installation, remove spout outlet or flow control and flush faucet thoroughly to clear any debris. Care should be taken when cleaning the product. Do not use abrasive cleaners, chemicals or solvents as they can result in surface damage. Use mild soap and warm water for cleaning and protecting the life of Chicago Faucet products. For specific operation and maintenance refer to the installation instructions and repair parts documents that are located at www.chicagofaucets.com.

Chicago Faucets, member of the Geberit Group, is the leading brand of commercial faucets and fittings in the United States, offering a complete range of products for schools, laboratories, hospitals, office buildings, food service, airports and sport facilities. Call 1.800.TECTRUE or 1.847.803.5000 Option 1 for installation or other technical assistance.

2100 South Clearwater Drive
Des Plaines, IL
P: 847/803-5000
F: 847/803-5454
Technical: 800/TECT-TRUE
www.chicagofaucets.com

Last Revision: 11/09/2016 • Date Printed: 07/26/2017 • Product specifications subject to change without notice
Laboratory Fitting Installation Instructions
For use with Laboratory Water Faucets and Valves, Multi-Service Fittings, Remote Valves, and Furnace Valves

Overview
Chicago Faucets laboratory fittings are precision equipment for dispensing water or laboratory gases in highly specialized applications. These fittings feature interchangeable components and heavy-duty brass construction for a lifetime of reliable use.

Notice to the Installer
• Read this entire instruction sheet before installing to ensure proper installation.
• Installation must comply with local codes and ordinances.
• Pressurized plumbing fixtures shall be installed in accordance with manufacturer's recommendations. The supply piping to these devices shall be securely anchored to the building structure to prevent instated device from unnecessary movement when operated by the user. Cans shall be exercised when installing the device to prevent marring the exposed surface.

NOTE: The information in this manual is subject to change without notice.

Please leave these instructions with the facility manager after completing the faucet installation. This document contains important information necessary for routine maintenance and servicing.

NOTE: Before installation, turn off water supply to existing faucet and remove faucet if replacing. Clean faucet basin and clear away debris. Flush all supply lines before connecting to faucet. Failure to do so can result in debris clogging the inlets and/or cartridges.

SAFETY WARNING
For fittings with a serrated nozzle outlet that allows the attachment of laboratory tubing, Chicago Faucets strongly recommends the use of an in-line vacuum breaker (model 222) between the nozzle and fitting to prevent water from flowing back through the nozzle and contaminating the water supply.

INSTALLER NOTE
For proper joint installation, DO NOT USE a pipe joint compound that contains ammonia compounds or one that can become acidic. The preferred material for threads and flanges is a fast-setting, non-hardening paste that seals thread joints, is non-toxic, and is suitable for use with potable water, natural gas, steam, compressed air, and other special gases. Teflon® tape may be used when applied in accordance with professional plumbing practices.

Single-Supply Basin Fittings (including vandal resistant fittings)
NOTE: For vandal resistant fittings only, the installer must drill a hole in the deck to accommodate the Vandal Resistant Pin (Figure 1, item 2). It is important to obtain the rough-in drawing for the particular model being installed. The drawing illustrates the exact size and positioning of the pinhole.
1. Apply plumber's putty or Rubber Washer (item 8) to underside of faucet body (item 1).
2. Place body shank through hole in deck. If installing a vandal resistant fitting, align Vandal Resistant Pin (item 2) with pre-drilled pinhole in deck. Assemble Steel Washer and Nut (items 4 and 5) to shank and tighten securely.
3. Flush supply line. If using a bushing supply tube, attach to shank with Coupling Nut (item 6) and tighten securely. Flexible supply hoses do not require the Coupling Nut.
4. Assemble spout as shown in Figure 1. For rigid spout installation, place 1/8" thick Plastic Washer into spout base bore and discard plastic Soft Washers.
5. Attach spout to fitting and tighten Spout Nut (Figure 2, item 2). If outlet is pre-installed, remove outlet and flush fitting for one minute. Replace outlet.

Widespread Fittings (wall and deck-mounted)
1. If flanges (Figure 3, item 1) are included, place them over supply piping or shanks.
2. Attach Supply Arms (item 2) to threaded supply piping or shanks using pipe sealant.
3. If installing adjustable Supply Arms, align them with inlets on fitting.
4. Install Gaskets (item 3) and tighten Supply Arms to fitting with a crescent wrench. Make sure fitting is level.
5. Assemble spout as shown in Figure 4 for rigid spout installation, place 1/8" thick Plastic Washer into spout base bore and discard plastic Soft Washers.
6. Attach spout to fitting and tighten Spout Nut (Figure 2, item 2). If outlet is pre-installed, remove outlet and flush fitting for one minute. Replace outlet.

Dual-Service Fittings (including 1332, 1333, 1334 Series)
1. Ensure supply holes are drilled in deck, 7/8" - 1 in. dia., 22.22-25.4 mm. It is important to obtain the rough-in drawing for the particular model being installed. The drawing illustrates the exact size and positioning of the supply holes.
2. Install Rubber Base Gasket (Figure 4, item 1) to fitting. Insert fitting through pre-drilled holes in deck.
3. Using Washer Plate (item 2) and Locknut (item 3), secure fitting to deck.
4. Apply appropriate pipe sealant to both water and gas inlets before attaching supply lines. Connect supply lines to Water Inlet and Gas Inlet as shown in Figure 4.

For additional technical assistance, call 800/TEC-TRUE (800-832-8783) or visit our website at chicagofaucets.com.
Remote Control Fittings
1. Assemble valve Body (Figure 5, item 1) into fume hood using standard piping procedure.
2. If included, remove Locknut (item 4) and Washer (item 5) from Flange Assembly (item 6).
3. Place Flange Assembly through hole in wall and tighten securely with Locknut. For fittings with Angle Flange (item 8), secure Angle Flange to wall using the two Screws (item 9) provided.
4. If roof is too long, cut proper length from end opposite handle attachment.
5. Place Rod with Handle (item 2) through hole in flange and into Sleeve/Column Assembly (item 7). Tighten Set Screw (item 2) to secure rod.

Panel Mounted Fumehood Valves
IMPORTANT
The front load fume hood fitting described in these installation instructions are available in both right-hand and left-hand models.
Right-hand models are marked on both sides of the body with an “R” and left-hand models are marked with an “L”.
Due to the use of these fittings in both right- and left-hand fume hoods, the bodies are marked on both sides with directional flow arrows. Regardless of the model used, the fittings are designed to be installed such that the inlet is on the bottom.

1. Panel-mounted fume hood fittings are shipped as shown in Figure 6 to ease installation. These valves are designed to be installed in a 45-degree angled fume hood equipped with 1-1/2" (38.1 mm) diameter mounting holes. Before proceeding with the installation, be sure you have read and familiarized yourself with all of the components shown in Figure 5.
2. Remove the Hold-Down Nut (item 3) from the Body end and the Handle Screw (item 5) from the Cartridge Stem (item 4). With a pair of pliers, make sure the Shoulder Washer (item 2) has been tightened into place against the Body. The threads on the two components should lock together.
3. Place the front end of the Body (the end containing the operating cartridge) through the 1-1/2" diameter hole in the fume hood and secure the fitting in place by assembling the Hold-Down Nut onto the Body. Hand-tighten the Hold-Down Nut from the front of the fume hood (see Figure 7). Do not fully tighten the Hold-Down Nut at this time.
4. Align the mounted fitting from the back of the fume hood so the Body is as shown in the diagram and the Body is parallel to the fume hood sideway. Using your free hand or a tool to support the valve body from the back, tighten the Hold-Down Nut securely with a wrench.
5. When fitting is firmly secured to the fume hood, place the handle onto the Cartridge Stem and tighten into place with the Handle Screw. If applicable, insert the appropriate Index button into handle.
6. Complete the inlet and outlet piping to the fitting and check for leaks.

IMPORTANT SERVICE NOTE
Chicago Faucets panel-mounted fume hood fittings have been designed so that servicing of the cartridge can be done from the front (front load) of the fume hood. Before servicing, ensure that the main supply valve to the fitting has been completely turned off, then purge the fitting by completely opening the valve and releasing trapped material into the fume hood. Support the fitting by holding the Hold-Down Nut (Figure 6, item 3) in place with a wrench to loosen the cartridge cap nut.

Quaturn and Slow-Compression Cartridges
Cartridges are stamped “RH” for right-hand and “LH” for left-hand
NOTE: Always place a new cartridge in the closed position when installing into valve body.
1. Push cartridge into fitting body until it is fully seated.
2. Install cap nut and hand tighten.
3. Install handle.
4. FOR RIGHT-HAND CARTRIDGE: Hold handle in CLOSED position and fully tighten cap nut to 15-25 ft/lb torque. 
5. FOR LEFT-HAND CARTRIDGE: Hold handle in OPEN position and fully tighten cap nut to 15-25 ft/lb torque. Return handle to CLOSED position and check handle alignment.

Klo-Self (Cam-in-Cap) Self-Closing Cartridges
NOTE: Right-hand and left-hand models and codes are identical.
1. Place cartridge into fitting body until it is fully seated.
2. Install cap nut and hand tighten.
3. Install handle in desired position.
4. Hold handle in place and tighten cap nut with wrench to 15-25 ft/lb torque.

Needle Valve Cartridges (models 962-X, 965-X, 966-XS)
NOTE: Models 965-X and 966-XS are equipped with control needle valve cartridge with a fine pitch stem thread. Model 969-XS features a stainless steel seat. These cartridges are right-hand only, closing in a clockwise direction. Excessive closing torque can damage the cartridge and should not be applied.
1. Place cartridge into fitting body until it is fully seated.
2. Be sure washer is in place under cap nut. Install cap nut and hand tighten.
3. Install handle in desired position.
4. Hold handle in place and tighten cap nut with wrench to 15-25 ft/lb torque.

Care and Maintenance
All Chicago Faucets fittings are designed and engineered to meet or exceed industry performance standards. Care should be taken when cleaning this product. Do not use abrasive cleaners, chemicals or solvents as they can result in surface damage. Use mild soap with warm water for cleaning and protecting the surface of Chicago Faucets fittings.

For additional technical assistance, call 800/TEC-TRUE (800-832-8783) or visit our website at chicagofaucets.com.

CHICAGO FAUCETS LIMITED WARRANTY
TO WHOM DOES THIS WARRANTY APPLY?—The Company extends this limited warranty to the original user only.
WHAT DOES THIS WARRANTY COVER AND HOW LONG DOES IT LAST?—The warranty covers the following Commodities:
LIFETIME FAUCET WARRANTY — The "Faucet," defined as any metal cast, forged, stamped or formed portion of the Product, including all moving parts and other products capable of serving as moving parts, (excluding any electronic components, except for electronic control components) are warranted against material manufacturing defects for the life of the Product.
FIVE YEAR FAUCET WARRANTY — Certain Products and portions of the Product are warranted against material manufacturing defects for a period of five (5) years from the date of product purchase. Products warranted against material manufacturing defects are identified on the date of purchase. All Cartridges included in the Company's Single Control or Shower Products and passwords are warranted against material manufacturing defects for a period of five (5) years from the date of product purchase.
ONE YEAR CRIMPSHAFT WARRANTY — For Products used in commercial applications, the finish of the Product is warranted against material manufacturing defects for a period of one (1) year from the date of Product purchase.
OTHER WARRANTIES — No other Products not covered above are warranted against material manufacturing defects for a period of one (1) year from the date of Product purchase.
For complete warranty details, call Chicago Faucets Customer Service at 847-693-6000 or visit chicagofaucets.com.
<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>ITEM</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GN2BVJKABCP</td>
<td>VACUUM BREAKER SWING SPOUT</td>
<td>10</td>
<td>420-020JKNF</td>
<td>SCREW, 1/8 FLAT HEX HEAD X 1/2</td>
</tr>
<tr>
<td>2</td>
<td>937-225-5CP</td>
<td>WATER COCK</td>
<td>11</td>
<td>216-178JKNF</td>
<td>BUTTON 'CW'</td>
</tr>
<tr>
<td>3</td>
<td>229-003JKABNF</td>
<td>WASHER</td>
<td>12</td>
<td>1301-SBJKCP</td>
<td>TURRET</td>
</tr>
<tr>
<td>4</td>
<td>K2JKABCF</td>
<td>ADAPTER w/WASHER</td>
<td>13</td>
<td>216-328JKNF</td>
<td>BUTTON 'GAS'</td>
</tr>
<tr>
<td>5</td>
<td>E3JKABCP</td>
<td>OUTLET, AERATOR 2.2 GPM</td>
<td>14</td>
<td>909-LEB</td>
<td>BALL VALVE</td>
</tr>
<tr>
<td>6</td>
<td>E3-2JKABCP</td>
<td>OUTLET, AERATOR&amp;ADAPTER 2.2 GPM</td>
<td>15</td>
<td>957-003JKABRBF</td>
<td>MALE THREAD SHANK</td>
</tr>
<tr>
<td>7</td>
<td>217-XTLHJKABNF</td>
<td>CARTRIDGE, SLO-COMPRESSION (LH)</td>
<td>16</td>
<td>1301-SB1JKRBTF</td>
<td>SHANK ASSEMBLY</td>
</tr>
<tr>
<td>8</td>
<td>1-214JKCP</td>
<td>CAP</td>
<td>17</td>
<td>705-008JKRBTF</td>
<td>NUT</td>
</tr>
<tr>
<td>9</td>
<td>204-CWJKCP</td>
<td>HANDLE ASSEMBLY (CW)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
LABORATORY FITTINGS

Installer Note:

For proper joint installation, DO NOT USE a pipe joint compound which contains ammonia compounds or one that can become acidic. The preferred material for threads and flanges is a fast-setting, non-hardening paste which seals thread joints, is non-toxic and may be used for water, natural gas, steam, compressed air, and other special gases. Teflon ® tape may be used when applied in accordance with professional plumbing practices.

Tag-262