KRA
KIRSTEN REITE
ARCHITECTURE

| | | |
|---|---|---|
| **PROJECT:** | **Haida Gwaii Pharmacy Renovation Project** | |
| **DATE:** | March 25th, 2025 | |
| **KRA project no.:** | 2024-025 | **ADDENDUM NO.1** |

This addendum is to be read with and constitutes part of the tender document.

**Instructions:**

1. Amend your copy of the tender/quotation/proposal in accordance with the details below.

**Details of the Addendum:**

**Part 1 GENERAL**

**1.1 General**

.1 This Addendum varies the Invitation to Tender Documents titled " HAIDA GWAII - HGH Pharmacy NAPRA Upgrade" dated March 5th, 2025.

.2 This Addendum shall form part of the Contract Documents and is to be read, interpreted and coordinated with all other parts. The cost of all work contained herein shall be included in the Contract sum. The following revisions supersede the information contained in the original specifications and drawings issued for the above-named project.

.3 This Addendum is eighteen (18) pages in total.

**1.2 Virtual Tender Walk-Through**

.1 Attendance List – See attached attendance list from virtual tender walk-through held on Tuesday, March 18th, 2025.

.2 Virtual Meeting Recording – The virtual meeting recording can be accessed at the following link: https://www.dropbox.com/scl/fi/k2zpoup7199wg0uszi6kc/Haida-Gwaii-Pharmacy-Virtual-Contractor-Walkthrough-20250318_100205-Meeting-Recording.mp4?rlkey=95t9pgg636248zqzjr2hvk75s&st=ta3zq825&dl=0

**1.3 Modifications to the Tender Set – Architectural**

Drawings

.1 Sheet A3.100 Levels 00, 01, 02 and 03 - Partial Floor Plans and Details – Refer to attached revised drawing sheet.

a) **ADD** penetration through lead-lined wall assembly for new ductwork in X-Ray Room #2-202.

Specifications

.1 Section 00 21 13 Instructions to Bidders Part 2. Pre-Bid Inquiries – Refer to attached revised specification section.

a) **REVISE** pre-bid inquiries receiver to Bids & Tenders
b) **REVISE** tenders inquiries period to 5 working days before the bid closing time.

.2 Appendix A - Biological Safety Cabinet Cut Sheets

a) **REVISE** biological safety cabinet cut sheets

Attachments:

- Virtual Tender Walk-Through Attendance List (2025-03-18)
- Architectural drawing sheet A3.100 Levels 00, 01, 02 and 03 - Partial Floor Plans and Details (2025-03-21)
- Specifications Section 00 21 13 Instructions to Bidders (2025-03-18)
- Specifications Appendix A - Biological Safety Cabinet Cut Sheets

KRA
KIRSTEN REITE ARCHITECTURE

# ATTENDANCE LIST

**DATE:** March 18th, 2025 10:00am – 11:30am PST
**PROJECT:** Haida Gwaii Pharmacy Renovation Project
**MEETING:** Virtual tender walk-through

**Name:** Jay Dupas
Company: Northern Health Authority
Email: Jay.Dupras@northernhealth.ca

**Name:** Cameron Zaremba
Company: Northern Health Authority
Email: Cameron.Zaremba@northernhealth.ca

**Name:** Cairns Ives
Company: Northern Health Authority
Email: Cairns.Ives@northernhealth.ca

**Name:** Renaude Laberge-Boisjoli
Company: Kirsten Reite Architecture
Email: renaude@krarchitecture.ca

**Name:** Stuart Adamson
Company: Rocky Point Engineering
Email: stuart.adamson@rpeng.ca

**Name:** Martin Kwok
Company: Rocky Point Engineering
Email: martin.kwok@rpeng.ca

**Name:** Randa Khalil
Company: AtkinsRéalis
Email: Randa.Khalil@atkinsrealis.com

**Name:** Ian Coulman
Company: Technicon Industries
Email: ian@technicon-ind.com

**Name:** Tim Henschel
Company: Technicon Industries
Email: tim@technicon-ind.com

**Name:** Andrew Contumelias
Company: Technicon Industries
Email: andrew@technicon-ind.com

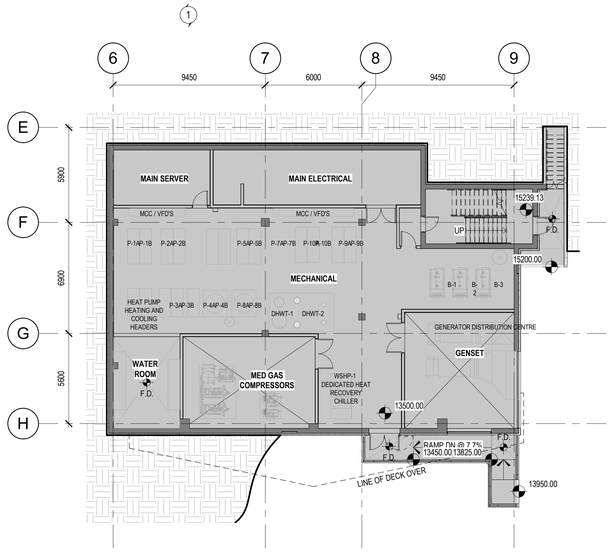
**Name:** Rob Coburn
Company: Technicon Industries
Email: rob@technicon-ind.com

**Name:** George Musterer
Company: Eby Construction Group
Email: George@ebycon.ca

**Name:** Rob Roy
Company: Northern Health Authority
Email: Jay.Dupras@northernhealth.ca

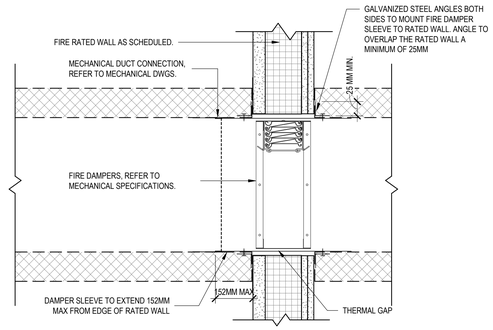
**Name:** Dan Webster
Company: Vector Projects Group
Email: dan@vpg.ca

**Name:** Tomm Adams
Company: Western Industrial Contractors Ltd.
Email: tommadams@wicltd.com




1 | LEVEL 00 - PARTIAL FLOOR PLAN

A3.100 | SCALE: 1 : 150




2 | FIRE DAMPER THROUGH RATED WALL

A3.100 | SCALE: 1 : 5

## KEYNOTES

1. PROVIDE HOARDING TO CORRIDORS TO SEPARATE CONSTRUCTION AREA FROM PUBLIC AREA AND FUNCTIONING AREAS TO NON FUNCTIONING AREAS. GC TO ENSURE 1100MM MINIMUM WIDTH IS ACHIEVED TO PUBLIC SIDE OF CORRIDOR. GC TO CONFIRM HOARDING PLAN WITH OWNER PRIOR TO INSTALLATION.
2. CREATE OPENING THROUGH EXIST. FIRE-RATED WALL TO SUIT EXHAUST DUCTWORK. PROVIDE FIRE DAMPER AND MAKE GOOD EXISTING ASSEMBLIES. REFER TO CODE COMPLIANCE PLANS AND MECHANICAL SPECIFICATIONS.
3. CEILING ASSEMBLIES INCL. CEILING-MOUNTED FIXTURES AND ACCESSORIES TO BE REMOVED TO SUIT DUCTWORK SCOPE. REFER TO MECHANICAL AND ELECTRICAL. SET TILES AND FIXTURES ASIDE FOR REINSTALLATION. REPLACE ANY DAMAGED TILES & GRIDS.
4. EXISTING GWB CEILING TO BE DEMOLISHED TO SUIT DUCTWORK SCOPE. SET ASIDE ALL EXISTING FIXTURES FOR REINSTALLATION. REFER TO MECHANICAL AND ELECTRICAL.
5. EXISTING LIGHTING FIXTURE & SEISMIC RESTRAINT TO BE REMOVED TO SUIT DUCTWORK SCOPE. SET ASIDE FOR REINSTALLATION. REFER TO ELECTRICAL.
6. DUCTING CONNECTION TO EXISTING EXHAUST LOUVER. REFER TO MECHANICAL.
7. EXHAUST UNIT WITHIN OPEN WEB STEEL JOISTS. PROVIDE SEISMIC RESTRAINTS PAINTED TO MATCH EXISTING EXPOSED SLAB. REFER TO MECHANICAL.
8. EXISTING RADIANT PANEL TO BE REMOVED TO SUIT DUCTWORK SCOPE. SET ASIDE FOR REINSTALLATION AND REINSTALL. REFER TO MECHANICAL.
9. EXHAUST FAN ON EXISTING HOUSEKEEPING PAD. REFER TO MECHANICAL.
10. CREATE OPENING THROUGH LED-LINED WALL TO SUIT EXHAUST DUCTWORK. SEAL AND/OR WRAP SERVICES, MECHANICAL PENETRATION AND INSULATION WITH LEAD LINING AS REQUIRED TO MAINTAIN SAFETY STANDARDS.

## PLAN LEGEND

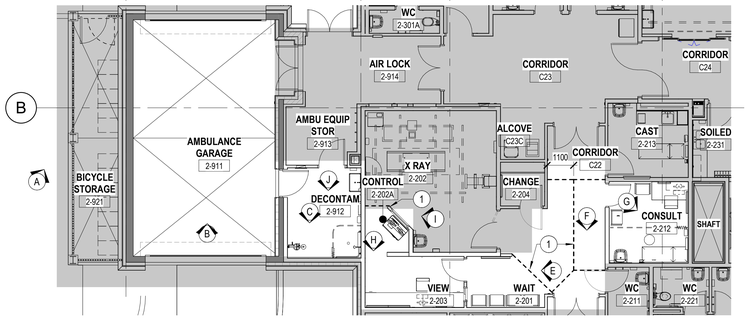
- DENOTES AREA OF WORK
- DENOTES UNDISTURBED AREAS
- EXISTING WALL / STRUCTURE / COLUMNS TO BE RETAINED
- SHADED LINE DENOTES EXISTING TO REMAIN
- DASHED LINE DENOTES EXISTING TO BE DEMOLISHED
- PROPOSED HOARDING EXTENT. CONFIRM HOARDING REQUIREMENTS WITH NHA AHEAD OF CONSTRUCTION START. ENSURE 1100 mm CLEARANCE IS MAINTAINED IN CORRIDOR
- DENOTES EXTENT OF EXISITING CEILING TILES AND CEILING FIXTURES TO BE DEMOLISHED AND REINSTATED TO SUIT NEW DUCTWORK INSTALLATION
- EXISTING DOOR TO REMAIN
- (#) PHOTO LOCATION REFERENCE

## PHASING NOTES

1. PHASING PLANS ARE PROVIDED FOR GUIDANCE AND REFERENCE ONLY. THE ARCHITECT OR OWNER MAY REVISE THE PHASING PLAN AT ANY TIME DURING CONSTRUCTION TO MEET SITE CONDITIONS OR DUE TO IMPACT TO ADJACENT AREAS.
2. REVIEW PHASING AND HOARDING PLAN WITH OWNER AND INFECTION CONTROL DEPARTMENT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. THE PHASING NUMBERING IS SHOWN TO INDICATE THE NUMBER OF PHASES AND NOTIONAL SEQUENCING, HOWEVER THE CONTRACTOR IS REQUIRED TO ACCOMMODATE CHANGES IN SEQUENCING WHEN AND IF REQUIRED BY THE FACILITY.
4. THE CONTRACTOR IS REQUIRED TO WORK WITH THE FACILITY AND THEIR REPRESENTATIVES TO REVIEW THE SCHEDULING OF THE START AND FINISH OF EACH PHASE, AS THE FACILITY WILL BE COORDINATING THE SERVICES OF HOUSEKEEPING AND MOVING SERVICES AT EACH PHASE.
5. PROVIDE HOARDING AS REQUIRED TO MEET THE HEALTH AUTHORITY INFECTION CONTROL GUIDELINES AND REQUIREMENTS. MAINTAIN 1100MM MINIMUM CLEARANCE IN CORRIDORS AT ALL TIMES.
6. PROTECT ALL ADJACENT AREAS DURING CONSTRUCTION TO PREVENT DAMAGE.
7. REFER TO ELECTRICAL, MECHANICAL, AND STRUCTURAL FOR ADDITIONAL SCOPE OF WORK.
8. PROVIDE HOARDING TO COMPLETE THE SCOPE OF WORK, INCLUDING IN AREAS OUTSIDE THE RENOVATION AREA. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL/FULL SCOPE OF WORK.
9. PAINT ALL HOARDING WHITE ON CORRIDOR SIDE.
10. HOARDING ACCESS DOOR LOCKSET TO BE KEYED AND COORDINATED WITH FACILITY MASTER KEY.
11. PROVIDE HOARDING IN ALL CORRIDORS.
12. PROVIDE SOLID HOARDING TO UNDERSIDE OF EXISTING CEILING AND POLY FROM CEILING TO UNDERSIDE OF STRUCTURE ABOVE THE CEILING SPACE. PROVIDE ANTE ROOMS, STICKY MATS AND USE AIR SCRUBBERS, UNLESS OTHERWISE REQUIRED BY INFECTION CONTROL PRACTITIONER AND APPROVED BY NHA.

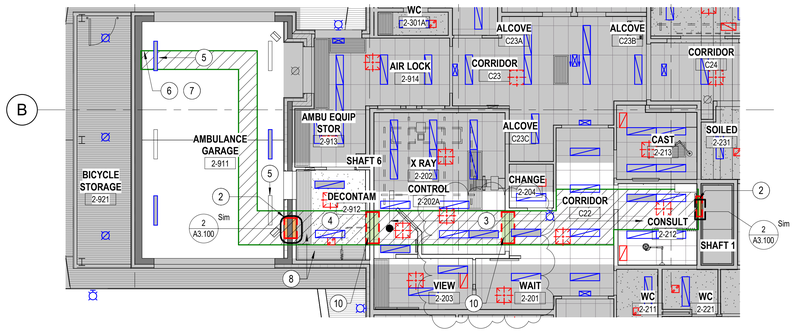
## GENERAL ACCESS NOTES

1. HOSPITAL WASHROOMS ARE NOT AVAILABLE FOR TRADES USE DURING CONSTRUCTION UNLESS AUTHORIZED BY NHA.
2. TRADES MUST ADHERE TO INFECTION CONTROL PRACTICES SET BY HEALTH AUTHORITY; MUST BE CLEAN (NOT DIRTY/DUSTY) WHEN MOVING THROUGH SPACES OUTSIDE OF PROJECT SCOPE. REFER TO SPECIFICATIONS.
3. HOURS OF WORK;
   - MOST WORKS CAN BE CARRIED OUT DURING NORMAL HOURS (07:00 – 16:00, M-F).
   - ALL AFTER-HOURS WORK IS TO BE COORDINATED AND APPROVED BY SITE FACILITIES MANAGEMENT STAFF AND THE NHA PROJECT MANAGER.
   - ALL NOISY WORK AND/OR WORKS CREATING VIBRATION TO BE COORDINATED IN ADVANCE WITH THE OWNER.
   - CONTRACTOR SHALL PROVIDE MINIMUM 4 WEEKS NOTIFICATION PRIOR TO MECHANICAL / ELECTRICAL SHUTDOWNS. SHUTDOWN REQUEST FORMS ARE TO BE SUBMITTED TO THE NHA PROJECT MANAGER AT THIS TIME TO ALLOW FOR ADEQUATE COORDINATION. FINAL DATES FOR SHUTDOWNS ARE AT THE DISCRETION OF FM STAFF AND MAY BE ADJUSTED DEPENDING ON STAFFING AVAILABILITY/WORKLOAD.




73 | LEVEL 02 - PARTIAL FLOOR PLAN

A3.100 | SCALE: 1 : 100




4 | LEVEL 02 - PARTIAL DEMOLITION REFLECTED CEILING PLAN

A3.100 | SCALE: 1 : 100




5 | LEVEL 03 - MECHANICAL PENTHOUSE PARTIAL FLOOR PLAN

A3.100 | SCALE: 1 : 100




**IMAGE A:** BICYCLE STORAGE




**IMAGE B:** AMBULANCE GARAGE




**IMAGE C:** DECON-TAMINATION ROOM



**IMAGE D:** PENTHOUSE WEST




**IMAGE E:** C22 CORRIDOR




**IMAGE F:** C22 CORRIDOR




**IMAGE G:** CONSULT ROOM




**IMAGE H:** CONTROL ROOM




**IMAGE I:** CONTROL ROOM




**IMAGE J:** DECONTAMINATION ROOM

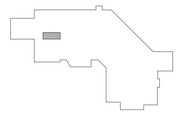
KRA
KIRSTEN REITE ARCHITECTURE
939 EAST HASTINGS STREET
VANCOUVER BC, V6A 0H1
WWW.KRARCHITECTURE.CA

**CONSULTANTS:**

MECHANICAL: ROCKY POINT
ELECTRICAL: ATKIN RÉALIS
STRUCTURAL: BUSH BOLMAN PARTNERS



**KEY PLAN**



NORTH

Issued For:

| NO | ISSUANCE | DATE |
|---|---|---|
| 1 | ISSUED FOR INTERNAL REVIEW | 2024-09-24 |
| 2 | ISSUED FOR 90% CD REVIEW | 2024-10-15 |
| 3 | ISSUED FOR 100% CD | 2024-11-08 |
| 4 | ISSUED FOR TENDER | 2025-03-03 |
| 5 | ISSUED FOR ADDENDUM 01 | 2025-03-24 |

Project Title

# HAIDA GWAII PHARMACY RENOVATION PROJECT

**3209 OCEANVIEW DRIVE, DAAJING GIIDS, BC,CANADA, V0T 1S0**

Drawing Title

# LEVELS 00, 01, 02 AND 03 - PARTIAL FLOOR PLANS AND DETAIL

Sheet Information

| | |
|---|---|
| **Date:** | 2025-03-03 |
| **Project Number:** | KRA PROJECT #2024-025 |
| **Drawn:** | LC |
| **Checked:** | RLB |
| **Approved:** | SG |

Stamp

Drawing No.

# A3.100

# 00 21 13 INSTRUCTIONS TO BIDDERS

## 1. DOCUMENTS

1.1 DOCUMENTS

.1 Carefully examine the following information. Failure to follow these instructions may result in bid disqualification.

.2 Project information:

.1 Project / Contract Name: Haida Gwaii Pharmacy Renovation Project

.2 Project / Contract No.: NHA: N671370001; KRA: 2024-025

.3 *Owner*: Northern Health Authority

.4 Project Address: 3209 Oceanview Drive
Daajing Giids, BC
V0T 1S0

.3 Examine the Bid Documents and promptly notify the person designated to receive inquiries of any perceived errors, omissions, conflicts or discrepancies in the Bid Documents.

1.2 BID DOCUMENTS

(a) BCDC 2 - 2022, Part 1.1 Division 00 11 13 Advertisement for Bids;
(b) BCDC 2 - 2022, Part 1.1 Division 00 21 13 Instructions to Bidders; 00 73 16 Insurance Requirements; 00 73 63 Contract Security Requirements;
(c) BCDC 2 - 2022, Part 1.1 Division 00 41 13 Bid Form and Appendices;
(d) CCDC 2 - 2020, Articles of Agreement;
(e) CCDC 2 - 2020, General Conditions;
(f) BCDC 2 – 2022, Part 1.2 Supplementary Conditions;
(g) BCDC 2 – 2022, Part 1.3 Project Specific Amendments, if any;
(h) General Requirements;
(i) Drawings and Specifications;
(j) Appendices, if any;
(k) Addenda.

1.3 CONTRACT DOCUMENTS

.1 Upon award of contract the Contract Documents consist only of (b) to (k) above. The *Owner* will prepare two copies of the Contract.

Reset

## 2. PRE-BID INQUIRIES

.1 Direct inquiries relating to Bid Documents, only to the *Consultant/Owner* at:

*BIds and Tenders*

.2 Submit inquiries as early as possible in the bid period and not less than 5 Working Days before the bid closing time. Inquiries received after this time may not receive a response.

## 3. PRE-BID SITE VISIT

~~☒ .1 There will not be a pre-bid site visit for the Project.~~

❒ .2 There will be pre-bid site visit for the Project.

~~❒ 2.1 Mandatory Site Visit~~

~~Failure of a Bidder's representative to attend and sign the attendance sheet will cause the Bid to be rejected as non-compliant.~~

❒ 2.2 Optional Site Visit

A pre-bid site visit has been scheduled for 10:00 local time on March 18th and 25th , 20 25 . Attendees will meet at

Virtual Site Visit on Tuesday, March 18th: Teams conference call for opportunity to review the project. A power point presentation will be presented. Attendance will be optional, but all interested bidders will be required to confirm viewing of the meeting recording which will be made available in an addendum.
Optional in-person site visit on Tuesday, March 25th: Main Entrance of the existing Hospital.

Bidders will be required to sign an attendance sheet during the meeting. Names of Bidders attending will be issued by addendum.

Issues arising from the pre-bid site visit will be addressed as required in an addendum to the Bid Documents. No meeting minutes will be issued. Bidders may not rely upon any information given verbally or otherwise at the pre-bid site visit and that is not confirmed by addendum.

Bidders visiting the Place of the Work must be accompanied at all times by a representative of the *Owner*.

Bidders visiting the Place of the Work must provide their own personal protective equipment.

❒ 2.3 *Owner* Requirements of Site Visit

*Contractors that are attending the Teams conference call are to confirm their attendance to Jay.Dupras@northernhealth.ca by 2:00 pm on March 12th. Registered contractors will then be sent the meeting invite.*
*Contractors that would like to attend the optional in-person walk through are to confirm their attendance to Jay.Dupras@northernhealth.ca by 2:00 pm on March 19th.*

Reset

## 4. PARTICULARS AFFECTING BID PRICE

4.1 MATERIALS

.1 Establish the Bid Price based on the use of materials specified in Drawings and Specifications.

.2 Proposed substitutions to materials specified will be considered during the bidding period only if full descriptive data are submitted in writing to the *Consultant/Owner* at least 7 Working Days before the bid closing date.

.3 Approved substitutions will be incorporated in the Drawings and Specifications by issuance of an Addendum.

4.2 CONDITIONS RELATED TO THE WORK

.1 Become familiar with the site and existing conditions prior to submitting a bid and make allowances for conditions related to the Work.

.2 Claims for an increase in Contract Price or Contract Time arising from observable conditions will be rejected by the *Owner*.

4.3 TAXES

.1 Include in bid price all taxes and customs duties in effect at the time of the bid closing, except for Value Added Taxes as defined in the CCDC standard form of contract.

## 5. ADDENDA

.1 Addenda may be issued to modify the Bid Documents in response to Bidder inquiries or as may be considered necessary.

.2 All addenda issued during the bid period will become part of the Bid Documents.

.3 No addenda will be issued later than 3 Working Days before the bid closing time, unless absolutely necessary.

.4 Each Bidder must ascertain before bid submission that it has received all addenda issued during the bid period and must indicate the addendum number(s) of all addenda received with their bid submission.

## 6. INTERPRETATION AND MODIFICATION OF BID DOCUMENTS

1. If an inquiry requires an interpretation or modification of the Bid Documents, the response to that inquiry will be issued in the form of a written Addendum only, to ensure that all Bidders base their bids on the same information.
2. Replies to inquiries or interpretations or modifications of the Bid Documents made by e-mail, verbally, or in any manner other than a written Addendum, will not form part of the Bid Documents and will not be binding.

## 7. BID DEPOSITORY

❒ .1 This Project will *not* use BidCentral Online Bidding for Subcontractors ("BOBS"), a bid depository system.

☒ .2 This Project will use BidCentral Online Bidding for Subcontractors ("BOBS"), a bid depository system.

❒ 2a. The following subcontractors must submit their bid through BOBS and provide bonding per the Rules of Procedure ("Rules"):

❒ 2b. The following subcontractors must submit their bid through BOBS and do not require bonding:

.1 The date and time for the BOBS closing will be not less than two (2) working days prior to General Contractor bid closing and up to 3:00 PM on the date specified, subject to the Rules.

.2 The Rules of Procedure for BOBS, in force at the bid closing time, will apply.

.3 Subcontractors listed must submit their bids through BOBS via the specified method as defined in BidCentral (https://www.bidcentral.ca/online-bidding-for-subcontractors/).

.4 Where stipulated in section 2a, BOBS requirements in the Project Documents, and as required under the Rules, the subcontractor must provide a bond. Such bond must conform to the requirements of the Rules.

.5 General Contractors must confirm their Intention to Bid no later than two (2) Working Days (to the hour) prior to the BOBS closing date and time as per the requirements in the Rules for BOBS.

.6 Notwithstanding the requirements for exclusion of work contained in the Rules, ensure all Work described in the Bid Documents is included in the Bid Price.

.7 Where required by 2a and when requested to do so the Bidder agrees to provide the *Owner* with proof of Subcontractor bonds within ten (10) Working Days of Contract award.

.8 Only General Contractor Bids which list Trade Contractor Bids submitted in accordance with the Rules of Procedure for BOBS for those sections or divisions specified, will be subject to a recommendation of acceptance from the Bid Calling Authority to the *Owner* and any others will be rejected.

Reset

## ❒ Bid Submission: ONLINE BIDDING SYSTEM SUBMISSIONS

### 8E. COMPLETION OF BID FORM

.1 All Bidders should familiarize themselves regarding online bidding requirements relating to system failure, functionality of the online system, Exclusion of Liability, Terms and Conditions for Online Bidding and Privacy Policy.

.2 Bidders must complete the bid on the Bid Form included in the Online Bidding System and execute in accordance with provisions of Clause 9E of the Instructions to Bidders - EXECUTION OF THE BID.

.3 If required, state the number of weeks within which the Bidder will achieve *Ready-for-Takeover*.

.4 If required, indicate receipt of Addenda.

### 9E. EXECUTION OF THE BID

.1 Execute the Bid Form by the method of the Bidder's identification and authentication as designated in the On-line Bidding System.

### 10E. DELIVERY OF THE BID

.1 All Bids must be submitted through the On-line Bidding System not later than the date and time specified for the On-line Bidding System closing. Bids submitted after On-line Bidding System closing time will not be allowed by the On-line Bidding System.

.2 The time as indicated on the On-line Bidding System will be the official time for the On-line Bidding System closing.

.3 The *Owner* is neither liable nor responsible for costs incurred by Bidders in the preparation, submission or presentation of the bid. Bidders will be required to accept on-line the Terms and Conditions of the On-line Bidding System in Clause 13.2 Terms and Conditions.

.4 Bid documents become the property of the *Owner.*

### 11E. BID MODIFICATION AND WITHDRAWAL

.1 Bidders must comply with procedures for electronic bid modification and withdrawal established by the online bidding system.

### 12E. BID SECURITY REQUIREMENTS

.1 Digitally Verified Bid Bonds must be submitted through the online bidding system. Digitally verified Bid Bonds must be provided by the Bidder's Surety representative through one of the ebond providers assessed by the Surety Association of Canada. Bid Bonds must include a clearly legible signature and seal. The attachment by the Bidder of the Bid Bond with the on-line creates the lawful act of validating the bond by the Bidder.

.2 Ensure the Bid Form is accompanied by a bid bond in the amount of ten percent (10%) of the Bid Price, Certified cheques and guaranteed letters of credit will **not** be accepted.

.3 Ensure the bid bond is issued on a CCDC 220 Bid Bond form or other form approved by the Surety Association of Canada and issued by a Surety acceptable to the *Owner.*

.4 If a successful Bidder declines to enter a Contract within the period set out in the Bid Form, or a further agreed period of time, the principal and surety will be required to pay to the *Owner* a sum equivalent to the difference between the principal's bid and the accepted bid or ten percent (10%) of the principal's bid, whichever is the lesser.

.5 The bid bond must name the *Owner* as specified in the bid document as the oblige and must be signed, sealed, and dated by both Bidder and surety.

## 00 21 13 (con't) INSTRUCTION TO BIDDERS

### 13. BID ACCEPTANCE

.1 The lowest or any bid will not necessarily be accepted.

.2 The *Owner*, at its sole discretion, may accept or reject any or all of the Alternative Prices submitted in the Bid Documents. Alternative Prices will not be considered in determining the successful Bidder.

.3 Alternative Prices listed in the Bid Documents will remain open for acceptance by the *Owner* for the period stated in the Bid Documents, from the time and date specified for closing of bids.

.4 Bids which contain qualifying conditions or otherwise fail to conform to these Instructions to Bidders may, at the sole discretion of the *Owner*, be disqualified or rejected.

.5 The *Owner* retains the separate right to waive minor irregularities in the Bid Form if such irregularities have not provided the Bidder with a competitive advantage.

.6 In the event a single bid is received, the *Owner* may open the bid privately without reference to the Bidder. If the bid is opened and it is in excess of the *Owner*'s budget, the *Owner* reserves the right to re-issue the Bid Documents for new public re-bid without revisions being made to the Bid Documents and without disclosing the single Bid Price. The *Owner* reserves the right to accept or reject a single bid.

.7 The *Owner* has the right to enter into over-budget negotiations with the lowest compliant Bidder or a single Bidder, without cancellation of all bids or consideration to other Bidders, and to require that Bidder to negotiate with Subcontractors named on their Bid Form.

### 14. BID ACCEPTANCE PERIOD

.1 Bids will remain open to acceptance by the *Owner* and will be irrevocable until another Bidder enters into a contract with the *Owner* for performance of the Work or until expiry of the bid acceptance period stated in the Bid Form, whichever occurs first.

.2 After bid closing and before expiry of the bid acceptance period stated in the Bid Form, the *Owner* may request all Bidders to agree to an extension of the originally specified bid acceptance period. In such case the bid acceptance period will be extended subject to the Bidder, whose bid the *Owner* wishes to accept, having agreed in writing to the extension.

.3 Where the bidding for procurement of construction services for this project has a method where unofficial bid results are made available publicly after the bid closing time, and before expiry of the bid acceptance period stated in the Bid Form, the *Owner* may request all Bidders to agree to an extension of the originally specified bid acceptance period. In such case, the bid acceptance period will be extended, subject to the lowest compliant Bidder having agreed in writing to the extension.

## 15. WORKSAFE BC LETTER

.1 After bid closing, upon request, the lowest compliant Bidder agrees to provide a WORKSAFE BC Letter of Good Standing within forty-eight (48) hours.

END OF SECTION

BAKER

Environments For Science™

# PRODUCT SPECIFICATIONS

# BioChemGARD® e³

## MODELS
## BCG401, BCG601
## BCG401-INT, BCG601-INT

| SPECIFICATIONS | BCG 401 | | BCG 601 | |
|---|---|---|---|---|
| **Exterior Dimensions** | | | | |
| Nominal Size | 4’ [1.20 m] | | 6’ [1.80 m] | |
| Foot Print (w x f-b) | 53 7/8” x 33 5/8” [1,369 mm x 854 mm] | | 77 7/8” x 33 5/8” [1,978 mm x 854 mm] | |
| Height Range | 86” to 94 1/2” [2,184 mm x 2,400 mm] | | 86” to 94 1/2” [2,184 mm x 2,400 mm] | |
| **Weights** | | | | |
| Cabinet Weight | 720 lbs [327 Kg] | | 850 lbs [386 Kg] | |
| Shipping Weight | 850 lbs [386 Kg] | | 1,020 lbs [463 Kg] | |
| Low Static Pressure Kit (Option) | Add 20 lbs [9.1 Kg] to cabinet weight | | Add 50 lbs [22.7 Kg] to cabinet weight | |
| **Interior Dimensions** | | | | |
| Interior Dimensions (w x f-b x h) | 46” x 22 7/8” x 27 5/8” [1,168 mm x 581 mm x 701 mm] | | 70” x 22 7/8” x 27 5/8” [1,778 mm x 581 mm x 701 mm] | |
| Useable Workspace (w x f-b x h) | 44 5/8” x 18” x 27 5/8” [1,132 mm x 457 mm x 701 mm] | | 68 5/8” x 17 5/8” x 27 5/8” [1,742 mm x 448 mm x 701 mm] | |
| **Exhaust and Static Pressure Requirements[1 & 2]** | | | | |
| **8” [203 mm] working access opening** | | | | |
| Concurrent Balance Value @ 40 fpm [0.2 m/s] downflow | 664 CFM [313 l/s] | | 993 CFM [469 l/s] | |
| Exhaust Duct Static Pressure | Standard | Low Static Option | Standard | Low Static Option |
| 8” Exhaust Duct Diameter | -1.9 “W.G. [-473 Pa] | -1.7 “W.G. [-423 Pa] | -2.3 “W.G. [-573 Pa] | -2.0 “W.G. [-498 Pa] |
| 10” Exhaust Duct Diameter | -1.7 “W.G. [-423 Pa] | -1.5 “W.G. [-374 Pa] | -1.8 “W.G. [-448 Pa] | -1.6 “W.G. [-399 Pa] |
| 12” Exhaust Duct Diameter | -1.6 “W.G. [-399 Pa] | -1.4 “W.G. [-349Pa] | -1.7 “W.G. [-423 Pa] | -1.5 “W.G. [-374 Pa] |
| **10” [254 mm] working access opening ( no NSF listing)** | | | | |
| Concurrent Balance Value @ 40 fpm [0.2 m/s] downflow | 768 CFM [362 l/s] | | 1,158 CFM [547 l/s] | |
| Exhaust Duct Static Pressure | Standard | Low Static Option | Standard | Low Static Option |
| 8” Exhaust Duct Diameter | -2.0 “W.G. [-498 Pa] | TBD | -2.3 “W.G. [-573 Pa] | TBD |
| 10” Exhaust Duct Diameter | -1.8 “W.G. [-448 Pa] | TBD | -2.0 “W.G. [-498 Pa] | TBD |
| 12” Exhaust Duct Diameter | -1.7 “W.G. [-423 Pa] | TBD | -2.5 “W.G. [-623 Pa] | TBD |
| **12” [305 mm] working access opening ( no NSF listing)** | | | | |
| Concurrent Balance Value @ 50 fpm[0.25 m/s] downflow | 850 CFM [401 l/s] | | 1,430 CFM [675 l/s] | |
| Exhaust Duct Static Pressure | Standard | Low Static Option | Standard | Low Static Option |
| 8” Exhaust Duct Diameter | -2.8 “W.G. [-697 Pa] | TBD | TBD | TBD |
| 10” Exhaust Duct Diameter | -2.5 “W.G. [-623 Pa] | TBD | -2.7 “W.G. [-673 Pa] | TBD |
| 12” Exhaust Duct Diameter | -2.4 “W.G. [-598 Pa] | TBD | -2.5 “W.G. [-623 Pa] | TBD |

| **ReadySafe Mode Exhaust and Static Pressure Requirements[1]** | | | | |
|---|---|---|---|---|
| Concurrent Balance Value | 300 CFM [142 L/Sec] | | 300 CFM [142 L/Sec] | |
| Exhaust Duct Static Pressure[3] | Standard | Low Static Option | Standard | Low Static Option |
| 8” Exhaust Duct Diameter | -0.35 “W.G. [ -87 Pa] | -0.16 “W.G. [ -40 Pa] | -0.18 “W.G. [-45 Pa] | -0.16 “W.G. [-40 Pa] |
| 10” Exhaust Duct Diameter | -0.30 “W.G. [-75 Pa] | -0.15 “W.G. [-37 Pa] | -0.16 “W.G. [-40 Pa] | -0.15 “W.G. [-37 Pa] |
| 12” Exhaust Duct Diameter | -0.29 “W.G. [-72 Pa] | -0.14 “W.G. [-35 Pa] | -0.16 “W.G. [-40 Pa] | -0.14 “W.G. [-35 Pa] |
| **Performance** | | | | |
| Working Access Opening | | | | |
| Area | 2.56 $ft^2$ | | 3.89 $ft^2$ | |
| Height | 8” [203 mm] | | 8” [203 mm] | |
| Maximum Access Opening Height | | | | |
| Area | 6.39 $ft^2$ | | 9.72 $ft^2$ | |
| Height | 20” [508 mm] | | 20” [508 mm] | |
| Cabinet Air Recirculation/Exhaust | Class II Type B2 Compliant | | | |
| Noise per NSF ANSI with exhaust running | 59 dBA | | 60 dBA | |
| Average Intake Airflow Velocity | 105 FPM [0.5 m/s] | | | |
| Average Down Flow Velocity | 40 FPM [0.2 m/s] | | | |
| Lighting | Minimum 100 foot candles [1,076 lux] average at work surface | | | |
| Typical Motor/Blower Reserve | | | | |
| 100 V | 100% | | 100% | |
| 115 V | 420% | | 420% | |
| 220 V | 100% | | 100% | |
| **Plumbing Service** | | | | |
| | 3/8” OD Tube fitting connectors. Plumbing service is rated for 30 psig [207 kPa] | | | |
| **Electrical** | | | | |
| Service Requirements | | | | |
| 100 V | 100 V AC, 20 A, 50/60 Hz, 1Ø, 16 A maximum useable current | | | |
| 115 V | 115 V AC, 20 A, 60 Hz, 1Ø, 16 A maximum useable current | | | |
| 220 V | 220 V AC, 16 A, 50/60 Hz, 1Ø, 13 A maximum useable current | | | |
| Circuit Protection | | | | |
| 100/115 V | Internally protected with a 250 V, 20 A circuit breaker | | | |
| 220 V | Internally protected with a 250 V, 16 A circuit breaker | | | |
| Power Cord | | | | |
| 100/115 V | One 14’ [4.27 m] power cord with 20-amp plug, type NEMA 5-20P | | | |
| 220 V | One 4 m power cord with listed plug for the destination country | | | |
| Outlets | | | | |
| 100 V | Two NEMA 5-15 duplex outlets. The outlets on this circuit are protected by a self-resetting circuit breaker. This breaker allows a total of 7 A on all outlets. | | | |
| 115 V | Two NEMA 5/15 GFCI duplex outlets. The outlets on this circuit are protected by a self-resetting circuit breaker. This breaker allows a total of 7 A on all outlets. | | | |
| 220 V | Two 220 V AC, outlets listed for use in the destination country. The outlets on this circuit are protected by self-resetting circuit breakers. The | | | |

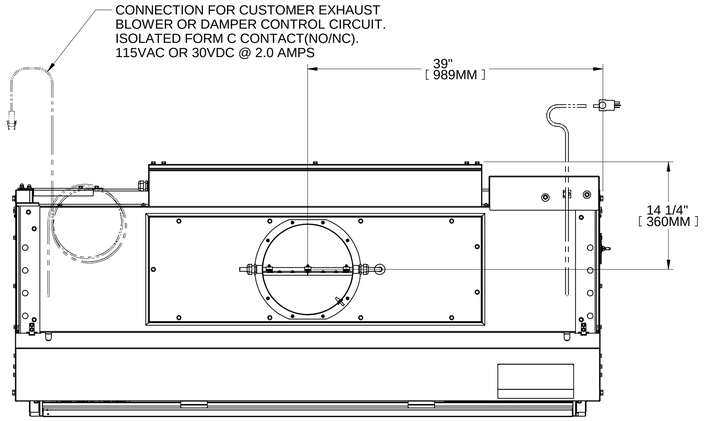
| | | |
|---|---|---|
| | breakers allow a total of 7 A on all outlets. | |
| Typical Electrical Operation | | |
| Motor Current | | |
| 100 V | 0.7 A | 0.9 A |
| 115 V | 0.6 A | 0.8 A |
| 220 V | 0.3 A | 0.4 A |
| Operating Current | | |
| 100 V | 1.1 A | 1.5 A |
| 115 V | 1.0 A | 1.4 A |
| 220 V | 0.5 A | 0.7 A |
| Power Consumption | | |
| 100 V | 110 W | 150 W |
| 115 V | 115 W | 161 W |
| 220 V | 110 W | 154 W |
| Heat Generation (calculated) | | |
| 100 V | 375 Btu/Hr | 512 Btu/Hr |
| 115 V | 392 Btu/Hr | 549 Btu/Hr |
| 220 V | 375 Btu/Hr | 526 Btu/Hr |
| ReadySAFE™ Current | | |
| 100 V | 0.2 A | 0.2 A |
| 115 V | 0.3 A | 0.3 A |
| 220 V | 0.1 A | 0.1 A |
| ReadySAFE™ Power Consumption | | |
| 100 V | 20.0 W | 20.0 W |
| 115 V | 34.5 W | 34.5 W |
| 220 V | 22.0 W | 22.0 W |
| ReadySAFE™ Heat Generation | | |
| 100 V | 68 Btu/Hr | 68 Btu/Hr |
| 115 V | 118 Btu/Hr | 118 Btu/Hr |
| 220 V | 75 Btu/Hr | 75 Btu/Hr |
| **Environmental Conditions** | | |
| Use | Indoors | |
| Altitude | Up to 6,561’ [2,000 meters] | |
| Temperature Range | From 41°F [5°C] to 104°F [40°C] | |
| Relative Humidity | Maximum 80% for temperatures up to 88°F [31°C] decreasing linearly to 50% at 104°F [40°C] | |
| Voltage | Main supply voltage ± 10%V AC | |
| Transient | Over voltage according to Installation Category (OVERVOLTAGE CATEGORIES) II per UL 61010-1, 2nd Edition | |
| Pollution Degree | 2 | |
| **Ergonomics** | | |
| View Screen | Sloped 10° for worker comfort | |
| Height | Adjustable stand for work surface elevations: minimum of 29 5/8” [752 mm] to 32 1/8” [816 mm] and maximum of 35 5/8” [905 mm] to 38 1/8” [968 mm] | |
| Armrest | Padded with EPDM sponge pad | |
| Knee Room | 13 5/8” [346 mm] in sitting position | |
| Cabinet Controls | Within easy reach sitting or standing | |
| **Materials of Construction** | | |
| Down Flow Diffuser | 18 gauge, 304 Stainless Steel | |
| Work Chamber Weldment | 16 gauge, 304 Stainless Steel | |

| | |
|---|---|
| Work Surface (Including Supports) | 16 gauge, 304 Stainless Steel |
| All Exterior Panels | 18 and 16 gauge, Carbon Steel |
| Positive Pressure Supply Plenum | 18 and 16 gauge, Carbon Steel |
| Exhaust Plenum/Transition | 18 and 16 gauge, Carbon Steel |
| Stand Frame and Supports | 12 gauge, Carbon Steel |
| Armrest | 16 gauge, 304 Stainless Steel with EPDM sponge that is resistant to UV light and most chemicals |
| View Screen | $^1/_4$" [6.35 mm] thick safety plate glass with Stainless Steel edge trims |
| Filters | HEPA filter media with aluminum frame |
| **Standard Features** | |
| Armrest | Padded with EPDM sponge pad |
| Auxiliary Outlets | Located on the left and right sidewalls, 7A total all outlets |
| Cabinet Side-Walls | Under negative pressure |
| Cable Port | Located on the right side of unit, provides easy cable access |
| Down Flow Diffuser | Located below supply filter providing unidirectional air flow and a higher down flow air velocity behind the view screen |
| Drain Pan | With drain valve featuring secure-able handle. |
| Exhaust Alarm | Airflow monitor (AFM) provides audible and visual alarm of unsafe exhaust airflow conditions. The supply blower is interlocked to turn off during this alarm condition in both normal and ReadySafe™ modes. |
| Exhaust Collar | 12" [305 mm] diameter |
| Filters | |
| Exhaust | Front loading HEPA 99.99% filtration at 0.3 microns |
| Supply | Front loading HEPA 99.99% filtration at 0.3 microns |
| High Velocity Return Air Slots | Located at the top of view screen and each end of access opening providing additional product and personnel protection |
| Lighting | T5 fluorescent<br>The UV light and fluorescent light are interlocked to prevent simultaneous operation |
| Maintenance Access | Electrical components, lamp, blower, and supply filter easily accessible from the front of the cabinet |
| Membrane Switch Control Pad | Low voltage push button control of lights, blower, UV and outlets |
| Motor Speed Control | StediFLOW™ |
| Plumbing | One petcock and one plug located on the right side |
| ReadySafe™ Mode | Reduces the total airflow and energy consumption when the cabinet is not in use. The view screen is closed and the lights are off during this mode. External output connection provided for customer interface |
| Sash Position Alarm | Audible and visual alarm warning of unsafe view screen opening above and below marked working access height |
| Supply Plenum | Provides uniform airflow to supply filter |
| Telescoping Air Plenum | Applies clamping force to full perimeter of supply and exhaust filter |
| Timers | 15 minute and 1 hour increment programming for fluorescent lights, UV lights, and outlets |
| View Screen | Counter balanced vertically sliding, opens to 20" for moving large items in and out prior to working in the cabinet |
| Work Surface | One-piece stainless steel work surface |
| **Optional Features[4]** | |
| Auxiliary Wiring | Cabinet Monitor Wiring Package to monitor additional conditions in the unit |

| | |
|---|---|
| Cable Ports | Available on either side of unit, provides easy cable access |
| Enhanced Electrical System | Digital display touch pad control panel |
| Floor and Wall Anchors | Non-PE approved |
| Fume Hood Package | UL 1805 compliant. No UV light and outlets external to work area. Externally operated petcocks. Application needs to be approved by customers facility safety personnel |
| IV Bar | Fixed location inside work area |
| Low Exhaust Static Pressure Duct | Reduces the facility exhaust static pressure |
| Plastic Storage Bins | Add up to maximum quantity of 5 |
| Plumbing | |
| Alternate Configuration | Plumbing connections can be made out of the back or to the top of either side panel |
| Additional Fixtures | Specify label and location(s) |
| Alternate Fixtures | Needle valves and greaseless needle valves<br>Stainless steel ball valves and needle valves |
| Material | |
| Black Iron | Not NSF or UL Listed |
| Stainless Steel | CE mark |
| Pressure Monitoring | Digital Pressure Monitor with integrated alarm function |
| Stand with Casters | 5” Diameter Casters With Locks |
| ULPA filters | Filtration effectivity of 99.999% for removal of most penetrating particle size (mpps) 0.1 to 0.2 microns in size. |
| UV Light | Operational only when viewscreen is closed. The UV light and fluorescent light are interlocked to prevent simultaneous operation. |
| 100V, 50/60Hz | Not NSF and UL Listed |
| 220V, 50/60 Hz | CE mark |
| 10” [254 mm] and 12” [305 mm] working access opening | Not NSF listed |
| **Standards and Codes** | |
| NSF/ANSI 49 for Class II, Type B2 cabinet | |
| UL 61010-1, 2nd Edition | |
| CAN/CSA-C22.2 No. 61010-1, 2nd Edition | |
| UL 1805 (U.S. Only) | Listing for Fume Hood package |
| ANSI/ASHRAE 110 | Listing for Fume Hood package |
| CE Compliance | To be done |
| ISO Class 5 Work Area Cleanliness | |
| **Cleanability** | |
| Interior Surfaces | Coved corners adjoin the work area to the rear and side walls for smooth interior surfaces |
| Exterior Surfaces | PermaWhite™ powder coated finish |

[1] Exhaust flow rate is concurrence balance volume as defined in NSF/ANSI 49.
[2] Listed pressures include 0.7” W.C. [174 Pa] for filter loading over time per NSF/ANSI 49.
[3] Based on clean filters.
[4] NSF and UL Listed unless otherwise noted.

| REV | DESCRIPTION | DATE | DRN | APP-BY | APP-DATE |
|---|---|---|---|---|---|
| A | ORIGINAL RELEASE | - | - | - | - |

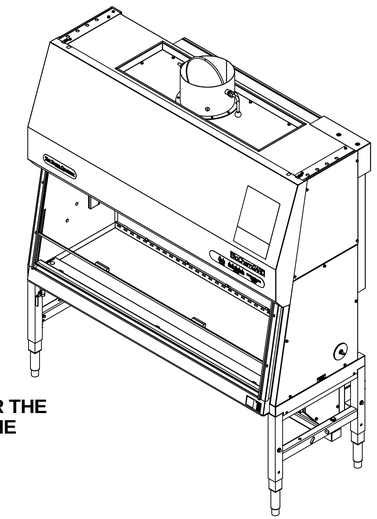



NOTES:

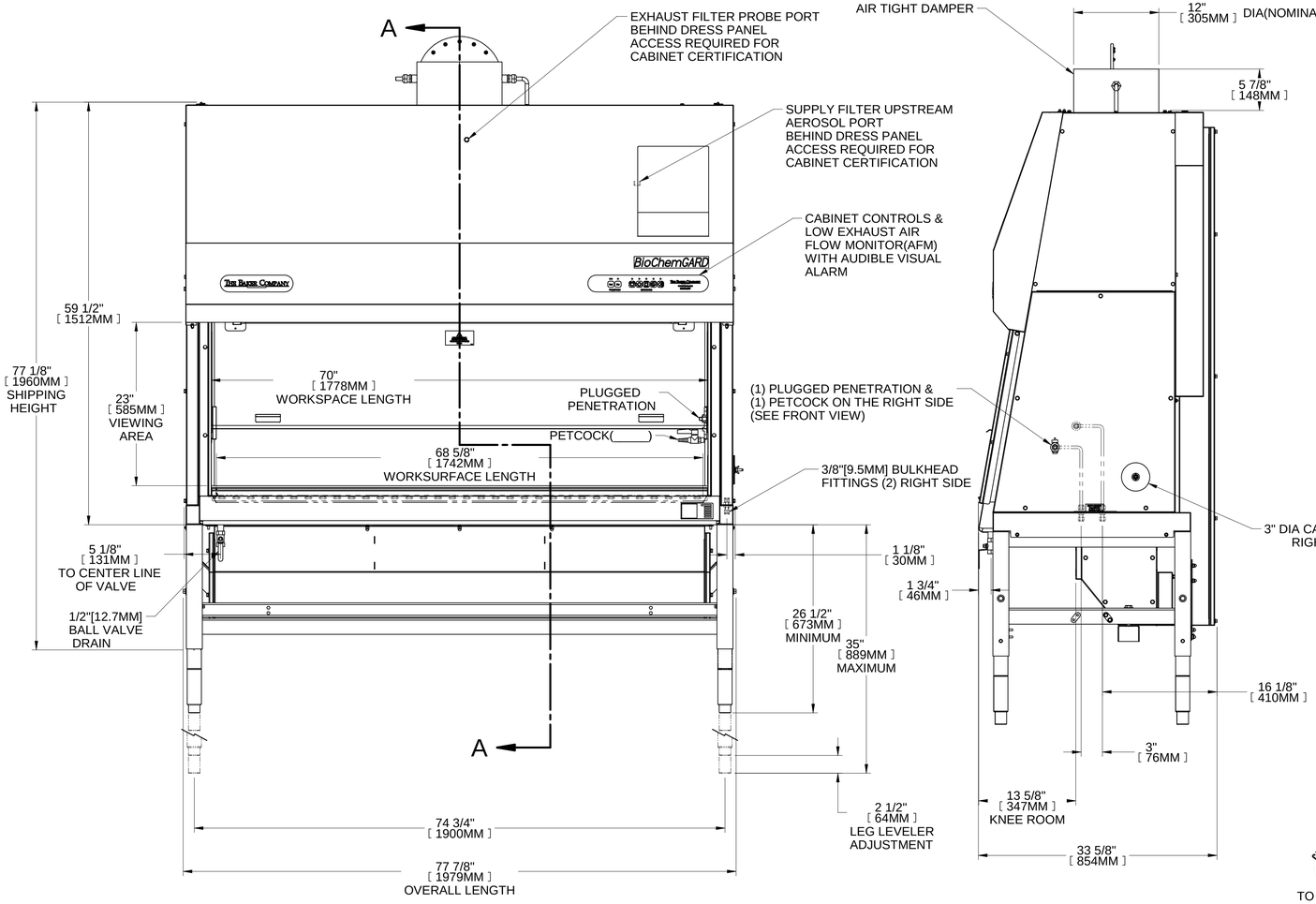
1. ELECTRICAL REQUIREMENTS: 115 VAC, 20 AMP, 60 HZ, SINGLE PHASE
2. CONSTRUCTION:
   WORKSURFACE/WORK AREA - 16 GA[1.5 MM] 304 SS, #4 FINISH
   ACCESS PANELS - 16 GA.[1.5 MM] & 18 GA.[1.2 MM] C.R.S. WITH A BAKER PERMA WHITE POLYESTER HYBRID POWDER COAT FINISH
3. SUPPLY FILTER, MOTOR, BLOWER AND ALL ELECTRICAL COMPONENTS ARE FRONT ACCESSIBLE.
4. PETCOCKS RECOMMENDED FOR USE WITH NONFLAMMABLE GAS, AIR OR VACUUM
5. PLUMBING CONFIGURATION IS FACTORY ASSEMBLED AND TESTED AT 100 P.S.I.. MAXIMUM WORKING PRESSURE IS 30 P.S.I..

   PLEASE ADVISE OF ANY SPECIAL PLUMBING REQUIRED BY LOCAL PLUMBING CODES

6. CABINET PLUMBING CONNECTORS ARE 3/8[9.5 MM] SWAGELOCK FITTINGS. A 3/8 [9.5 MM]NPT ADAPTER IS SHIPPED WITH THE CABINET
7. EXHAUST FILTERS ARE ACCESSIBLE THROUGH THE CABINET WORK AREA OPENING LOCATED DIRECTLY UNDER THE WORK SURFACE

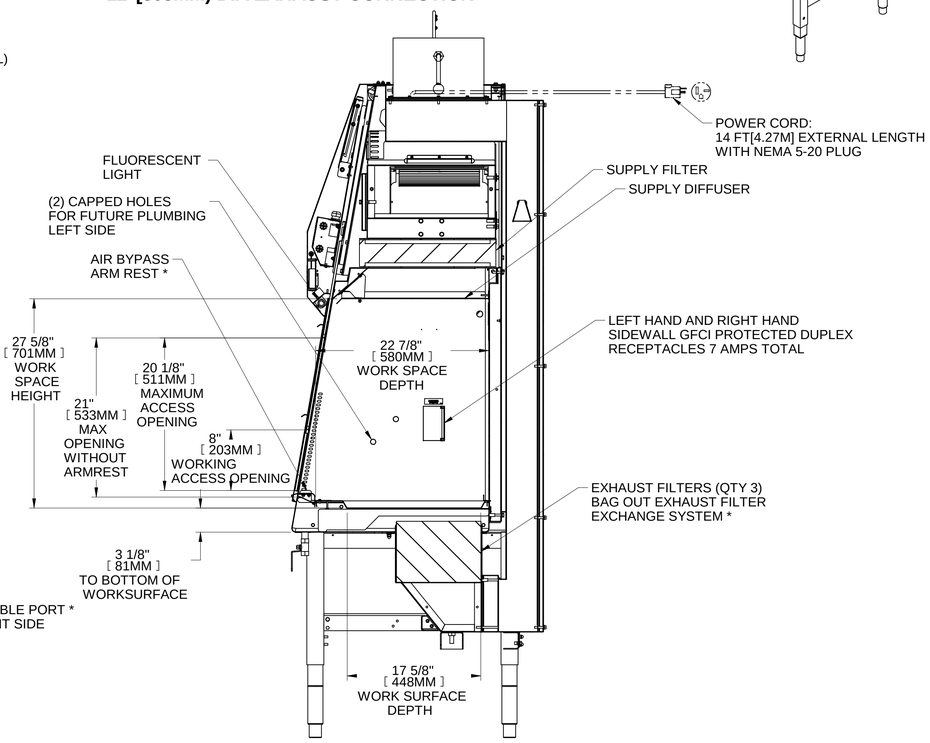


**NOTE: REFER TO THE LATEST VERSION OF 372D066 FOR THE EXHAUST REQUIREMENTS FOR THE BCG601 WITH THE 12"[305MM) DIA EXHAUST CONNECTION**










SECTION A-A

STANDARD UNIT WEIGHT = 850 LBS[386 KG]

TO UL 1805
(U.S. ONLY)

TO UL 61010-1
2ND EDITION

D033349

*** = PATENT PENDING**

| - | - | - |
|---|---|---|
| 25A | AIR TIGHT DAMPER - 12 INCH DIAMETER | 1 |
| OPTION # | OPTION DESCRIPTION | QTY |

UNLESS OTHER SPECIFIED
DO NOT SCALE DRAWING
U.S. CUSTOMARY TOLERANCES: (INCHES)
REMOVE ALL BURRS AND SHARP EDGES

| DECIMALS | MACHINED | SHEET METAL | ANGULAR |
|---|---|---|---|
| X | ±.02 | ±.06 | ±0°-30'(.5°) |
| XX | ±.01 | ±.03 | |
| XXX | ±.005 | ±.010 | |
| FRACTIONS | ±1/32 | | THIRD ANGLE PROJECTION |
| FINISH: | 125 | NO 4 | |



THE BAKER COMPANY
161 Gatehouse Rd., Sanford, Maine 04073 USA
"Creating Immaculate Atmospheres"

TITLE

**BioChemGARD e3 BCG601**
**CLASS II TYPE B2**

| DRAWN | DATE |
|---|---|
| C.W.Q., JR. | 8/11/2011 |
| CHECKED | DATE |
| SCarpenter | 8/11/2011 |

SIZE D | DWG NO **BGA-BCG601-B2-25A** | REV **A**

SCALE - | SQUARE FOOTAGE | SHEET