

SUBMITTALS IDENTIFICATION SHEET

PROJECT: Canadian High Arctic Research Station Cambridge Bay, Nunavut	DEPT. REP.: PWGSC
	Construction Manager: EllisDon
	O/REF.: R042393.002 Package:
CONTRACTOR: ELLISDON	ARCHITECT: FGMDA/NFOE Architects
Project Manager: JIM SHIVAS	Project no.: 879-12-00/11084
Telephone: 613-565-2680 EXT. 9184	ENGINEER: SNC-LAVALIN Inc.
E-mail: jshivas@ellisdon.com	Project no.: 610920
SUBCONTRACTOR: H.H. HAWKINS	DISCIPLINE: ELECTRICAL
Address: 18677 52 ND AVENUE, UNIT 103	
SURREY BC	PRODUCT SUBMITTED:
Person responsible: SARAH THIBAUT	<input checked="" type="checkbox"/> As Specified
Telephone: 800-661-4454 E-mail: sarah@hhhawkins.com	<input type="checkbox"/> Alternate
SUPPLIER or MANUFACTURER: SAME AS ABOVE	<p align="center">Verification of conformity</p> <p>Nature and scope of the examination</p> <p>Verification of conformity according to the specifications and drawings.</p> <hr/> <p>This verification is by no way a complete and detailed audit of the design.</p> <p><input checked="" type="checkbox"/> No correction noted <input type="checkbox"/> Perform indicated corrections <input type="checkbox"/> Correct and resubmit <input type="checkbox"/> Refused</p> <p align="right">2016-03-28</p> <p>Signature: <input checked="" type="checkbox"/> Engineer <input type="checkbox"/> Other Date</p> <p>Guillaume Castonguay, L3029</p> <p>Name Member No.</p> <p>The review of this paper is limited to the nature and scope indicated. The person or company who prepared it cannot be relieved of their obligations in any cases, of any nature whatsoever.</p>
Address:	
Person responsible:	
Telephone: E-mail:	
DESCRIPTION OF SUBMITTAL:	
FUME HOODS	
# of pages: 1	
Reference to drawings:	
Reference to specs:	
Division: 01 Section: 12 35 53 Article: 2.39 Page: 29	
Product abbreviation:	
REMARKS:	
Review of this submission is for compliance with general intent of the contract. This responsibility for error or omissions in the submission or the responsibility of meeting all requirements of the contract documents. Any deviation from the contract documents initiated by the Sub-Contractor, Supplier or Manufacturer shall be at their sole risk. QUANTITIES AND DETAIL DIMENSIONS ARE THE SUB-CONTRACTORS OR SUPPLIERS RESPONSIBILITY. VERIFY DATA WITH FIELD DIMENSIONS.	
SUBMITTAL TRACKING No.: CHARS-PK3-12-35-53.03	Date: MARCH 16, 2016 Rev.: 0

Mechanical review
No information is available for the sash positioner yet.
This item have been flagged to the CM to make sure that the product will be 100% compatible with the fume hoods.

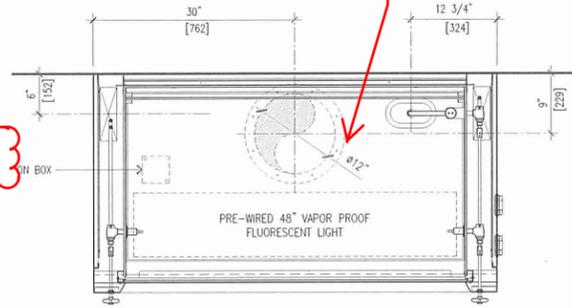
PARAMÈTRES DES HOTTES		
Dimension de la Hotte	Ouverture Maximale de la Porte - (L x H)	Ø Diamètre du Collet d'Évacuation
60"	50 1/2" X 26 1/4"	Ø12" de Dia.

DONNÉES UTILISANT UNE VELOCITÉ DE 60PPM AVEC OUVERTURE MAXIMALE DE LA PORTE		
Évacuation en pi. cu./min.	Perte de Pression Statique	Vitesse de l'Air au Collet d'Évacuation
573 pcm	0.09"	730 ppm

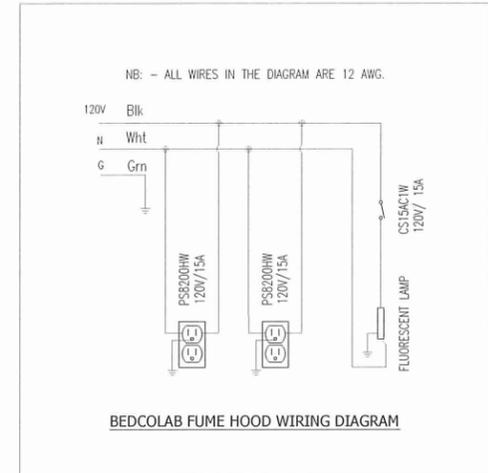
DONNÉES UTILISANT UNE VELOCITÉ DE 100PPM AVEC OUVERTURE MAXIMALE DE LA PORTE		
Évacuation en pi. cu./min.	Perte de Pression Statique	Vitesse de l'Air au Collet d'Évacuation
955 pcm	0.25"	1215 ppm

DESIGN CASE.

10" duct provided. Will be coordinated with mechanical.



SECTION "C"

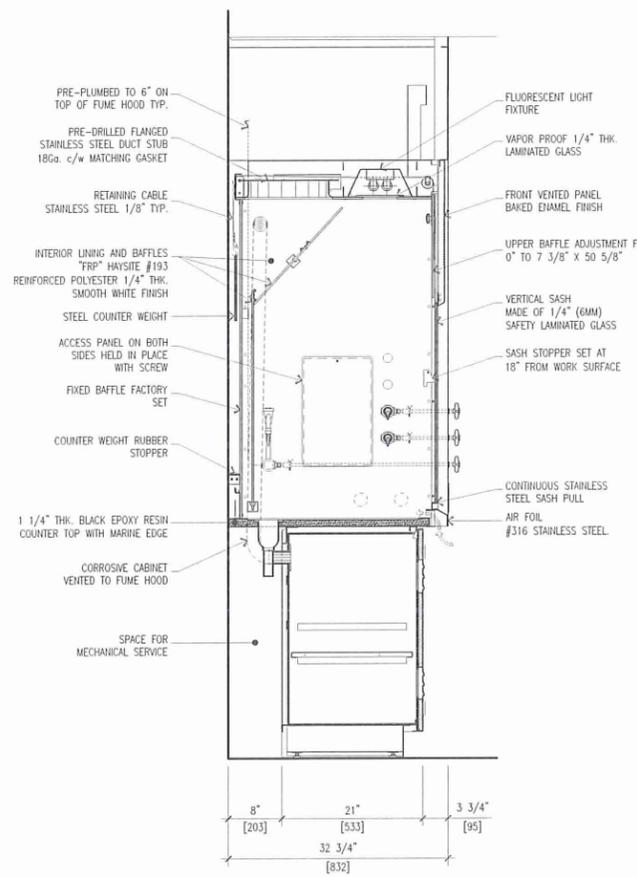


GENERAL NOTES

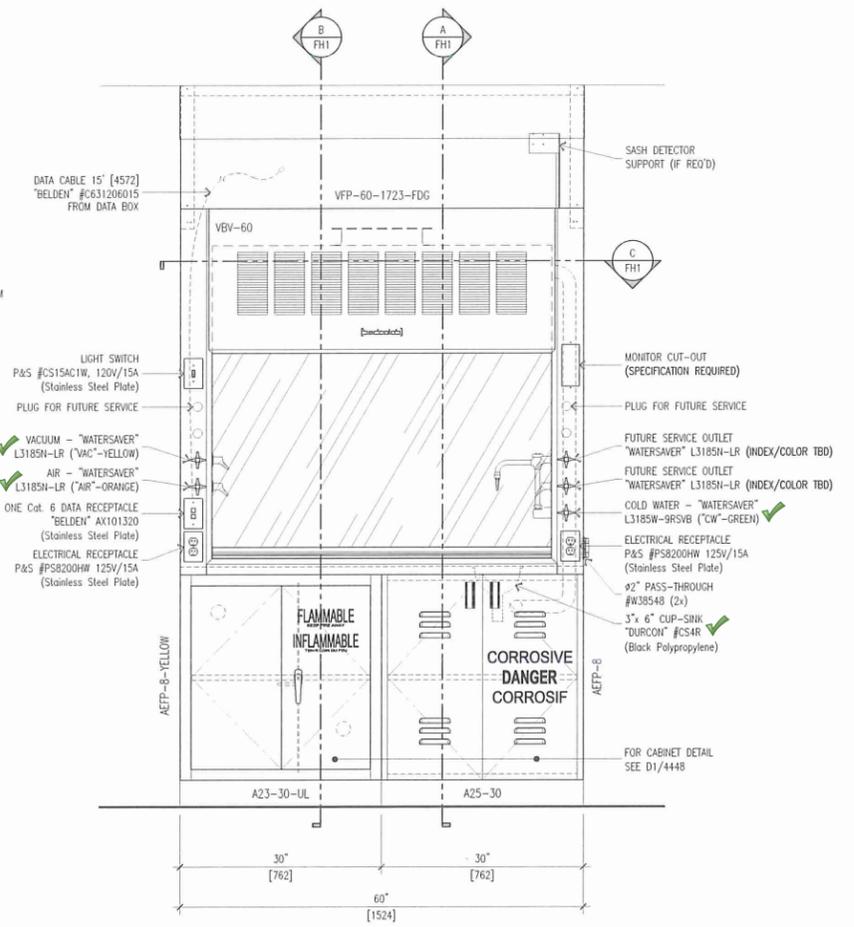
- 1- 26 1/2" WORKING SPACE
- 2- OPENING VIEW HEIGHT 67 3/4"
- 3- SASH OPENING 26 1/4" HIGH
- 4- TOTAL HEIGHT WITH SASH OPEN +/- 96" HIGH
- 5- DATA CORD 15'-0" LONG FROM JUNCTION BOX CONNECTION ±10'-0" EXCEEDING TOP OF HOOD

COLOR

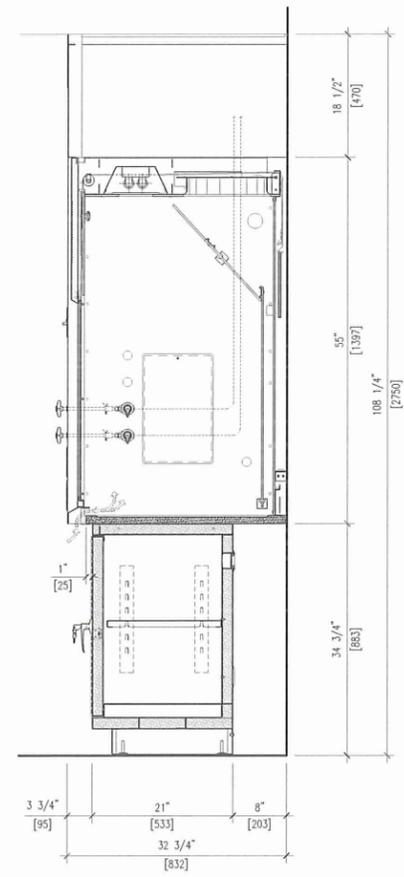
TBD



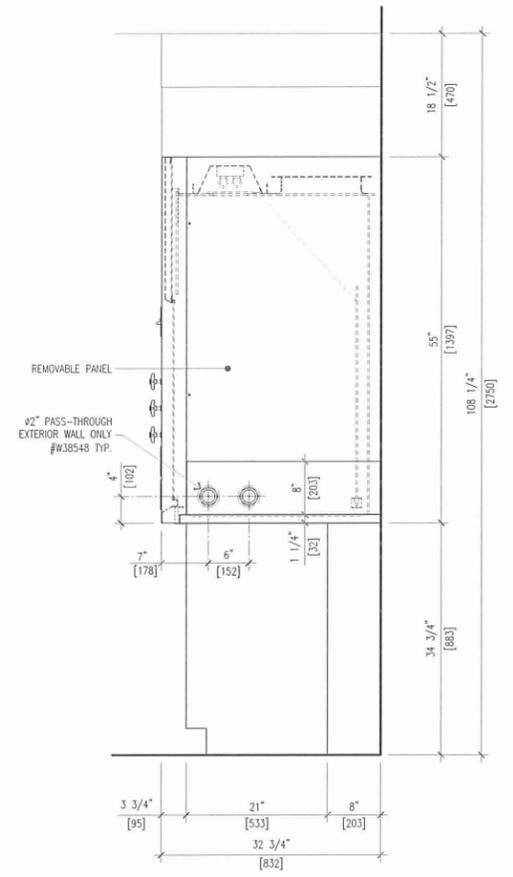
SECTION "A"



1 VBV-60-FRP-E
Ref.: CF1, Room M-273, Elev. 4/A623
Quantity: 1



SECTION "B"



RIGHT SIDEVIEW

Issue/Revision		
No.	Date	Description
0	08/2015	Issued for Approval

Client	H.H. Hawkins Ltd.
Project	C.H.A.R.S. Fume Hoods
Rev	VBV-60-FRP-E Fume Hood

Drawn By	C. Farmer	Date	04-09-2015
Checked By	S. Ducharme	Date	07-09-2015
Approved By	M. Cloutier	Date	08-09-2015
Project Manager(s)	R. Pandin	Scale	1" = 1'-0"

(bedcolab)
2205 Avenue Francis-Hughes, Laval, Québec, H7S 1K5
514-394-2820 1-800-465-9414 FAX: 514-394-9239
www.bedcolab.com

Project No. 4448-RP Page FH1

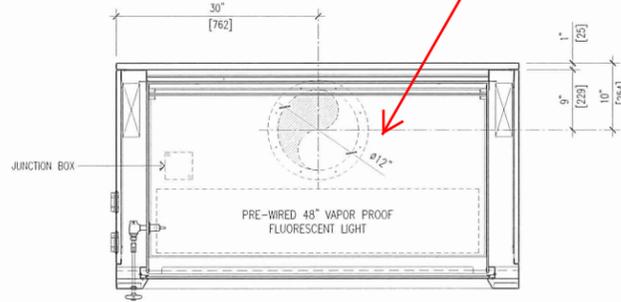
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60"	50 1/2" X 26 1/4"	Ø12" de Dia.

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Évacuation en pi. cu./min.	Perte de Pression Statique	Vitesse de l'Air au Collet d'Évacuation
573 pcm	0.09"	730 ppm

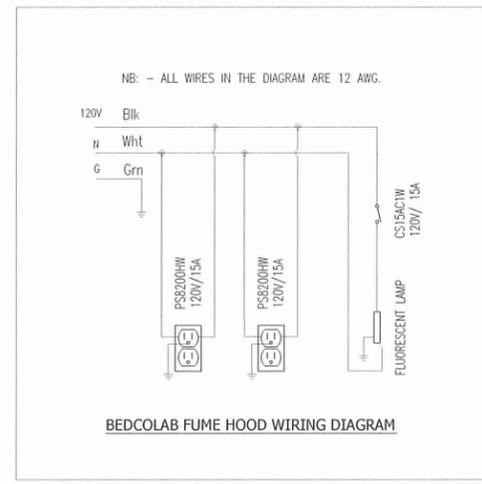
DONNÉES UTILISANT UNE VELOCITÉ DE 100PPM AVEC OUVERTURE MAXIMALE DE LA PORTE		
Évacuation en pi. cu./min.	Perte de Pression Statique	Vitesse de l'Air au Collet d'Évacuation
955 pcm	0.25"	1215 ppm

DESIGN CASE.

10" duct provided. Will be coordinated with mechanical.



SECTION "C"



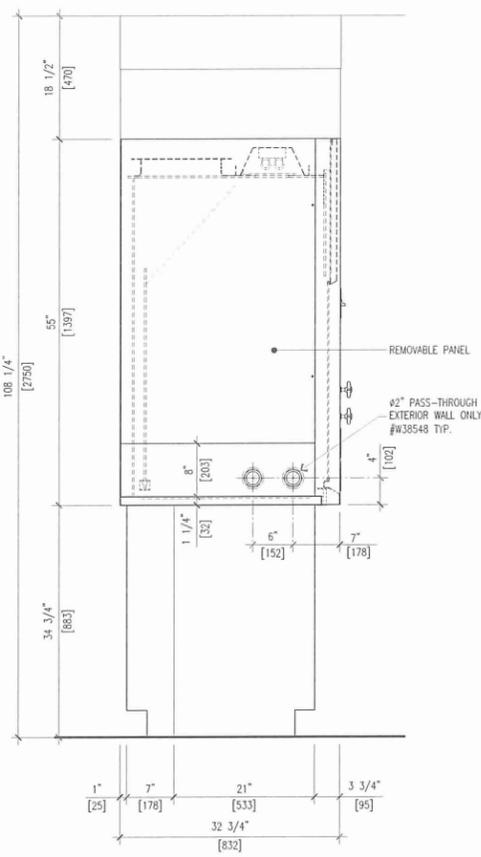
BEDCOLAB FUME HOOD WIRING DIAGRAM

GENERAL NOTES

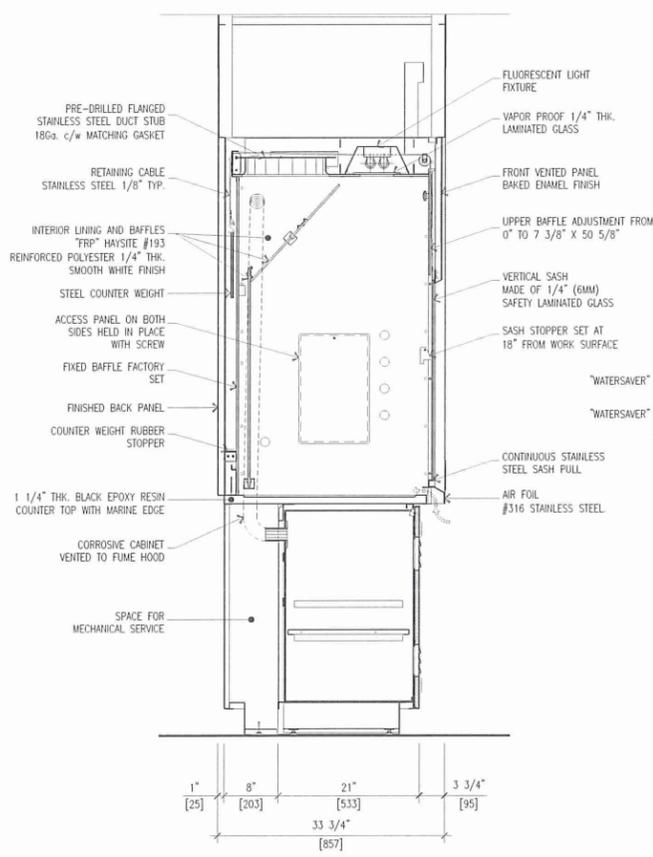
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COLOR

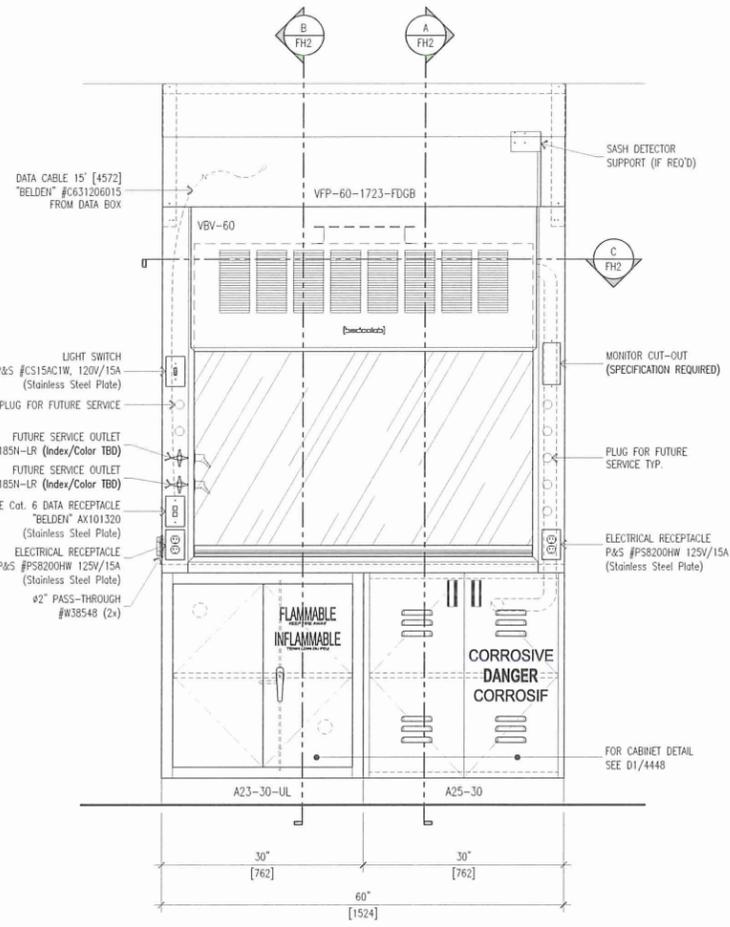
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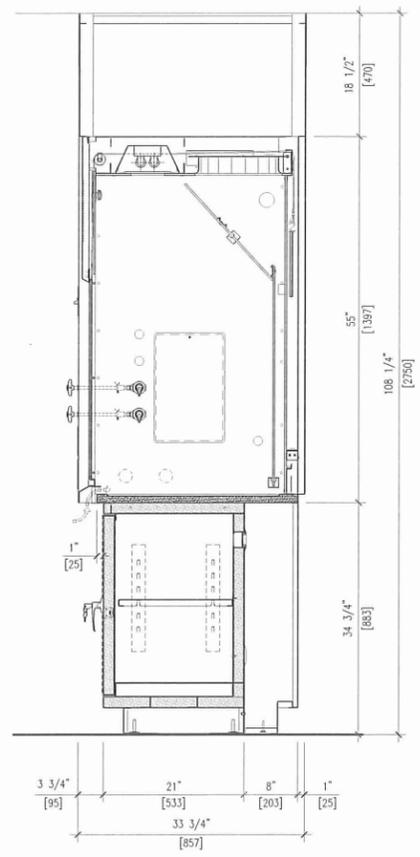
LEFT SIDEVIEW



SECTION "A"



1 VBV-60-FRP-E
Ref.: CF2, Room M-273, Elev. 7/A623
Quantity: 1



SECTION "B"

Issue/Revision	
No.	Description
0	08/2015 Issued for Approval

Drawn By:	H.H. Hawkins Ltd.
Checked By:	C.H.A.R.S. Furne Hoods
Approved By:	M. Cloutier
Project Manager:	R. Pandin

Drawn By:	C. Farmer	Date:	04-09-2015
Checked By:	S. Ducharme	Date:	07-09-2015
Approved By:	M. Cloutier	Date:	08-09-2015
Project Manager:	R. Pandin	Scale:	1" = 1'-0"



Project No.:	4448-RP
Page:	FH2

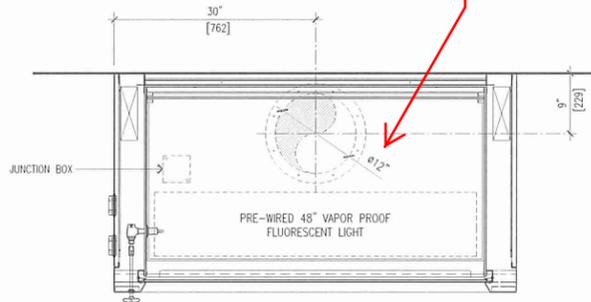
PARAMÈTRES DES HOTTES		
Dimension de la Hotte	Ouverture Maximale de la Porte - (L x H)	φ Diamètre du Collet d'Évacuation
60"	50 1/2" X 26 1/4"	φ12" de Dia.

DONNÉES UTILISANT UNE VELOCITÉ DE 60PPM AVEC OUVERTURE MAXIMALE DE LA PORTE		
Évacuation en pl. cu./min.	Perte de Pression Statique	Vitesse de l'Air au Collet d'Évacuation
573 pcm	0.09"	730 ppm

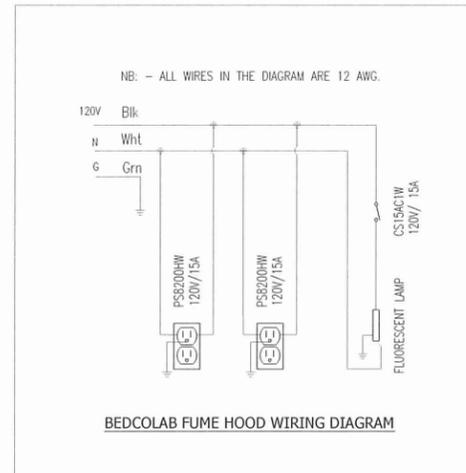
DONNÉES UTILISANT UNE VELOCITÉ DE 100PPM AVEC OUVERTURE MAXIMALE DE LA PORTE		
Évacuation en pl. cu./min.	Perte de Pression Statique	Vitesse de l'Air au Collet d'Évacuation
955 pcm	0.25"	1215 ppm

DESIGN CASE.

10" duct provided. Will be coordinated with mechanical.



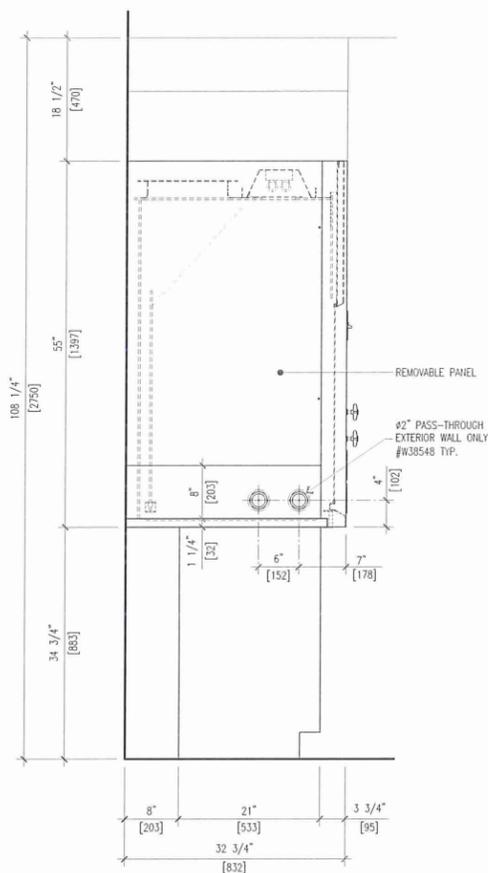
SECTION "C"



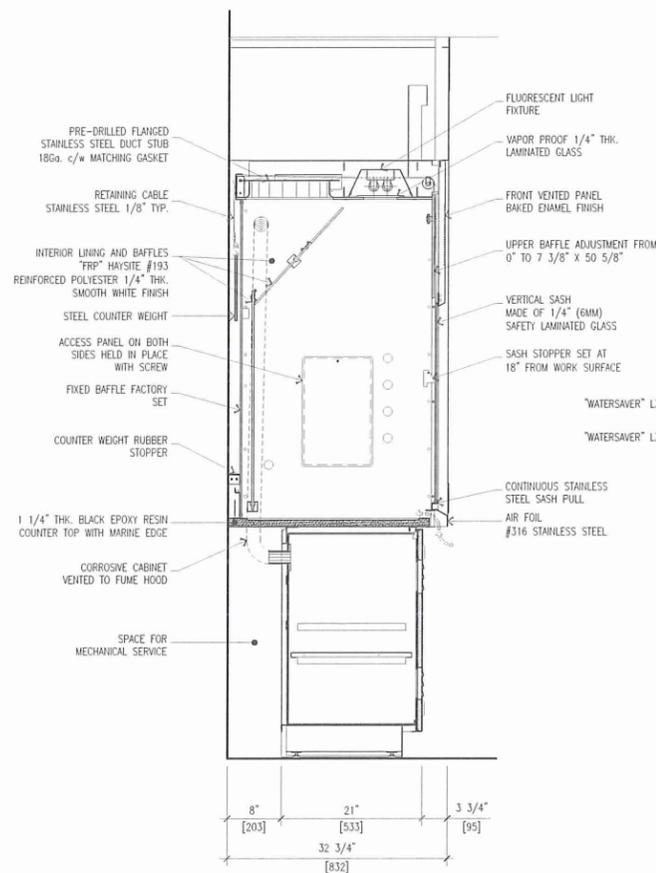
BEDCOLAB FUME HOOD WIRING DIAGRAM

- GENERAL NOTES
- 1- 26 1/2" WORKING SPACE
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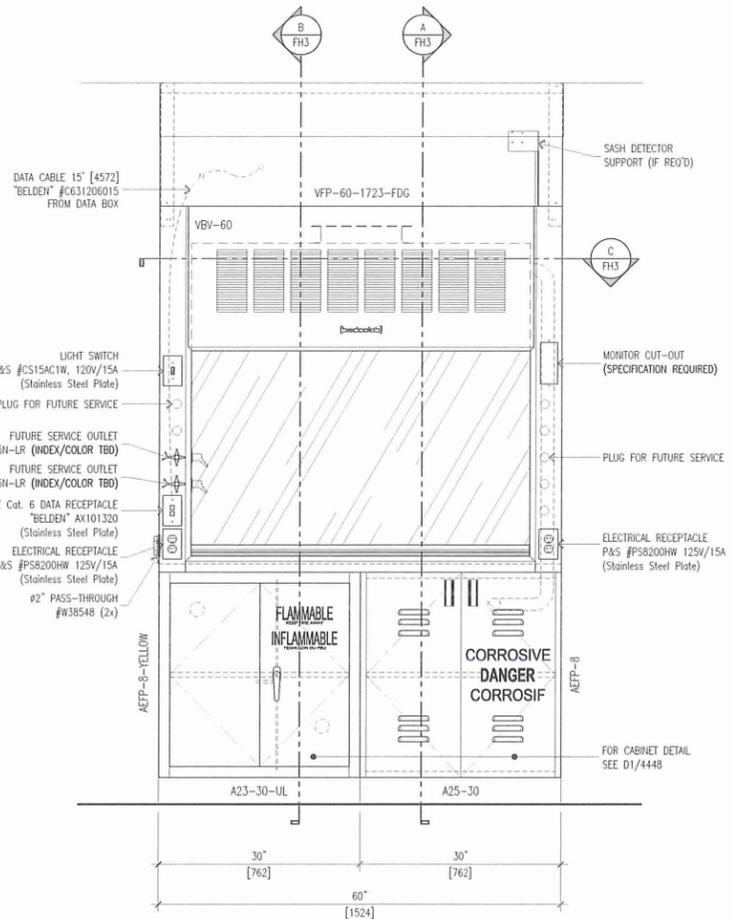
COLOR
TBD



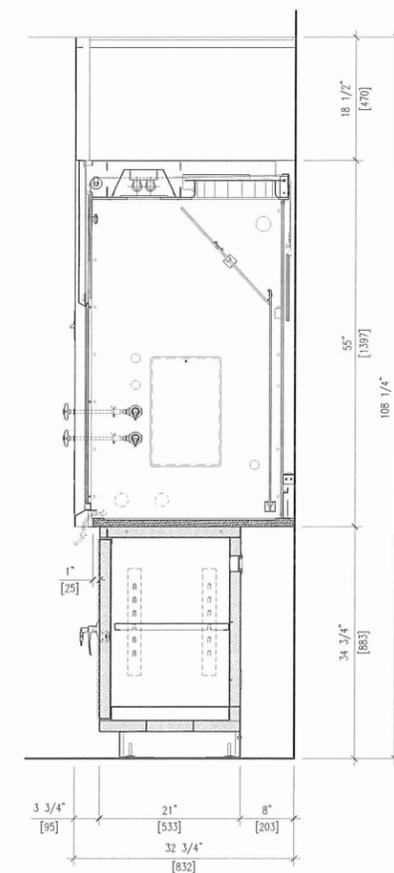
LEFT SIDEVIEW



SECTION "A"



1 VBV-60-FRP-E
Ref.: CF2, Room M-273, Elev. 8/A623
Quantity: 1



SECTION "B"

Issue/Revision		
No.	Date	Description
0	08/2015	Issued for Approval

Client	H.H. Hawkins Ltd.
Project	C.H.A.R.S. Fume Hoods
Item	VBV-60-FRP-E Fume Hood

Drawn By	C. Farmer	Date	04-09-2015
Checked By	S. Ducharme	Date	07-09-2015
Approved By	M. Cloutier	Date	08-09-2015
Project Manager(s)	R. Pandin	Scale	1" = 1'-0"

(bedcolab)
2305 Avenue Francis-Hughes, Laval, Québec, H7S 1S5
514-384-2823 1-800-463-8414 FAX: 514-384-9220
www.bedcolab.com

Project No. 4448-RP Page FH3

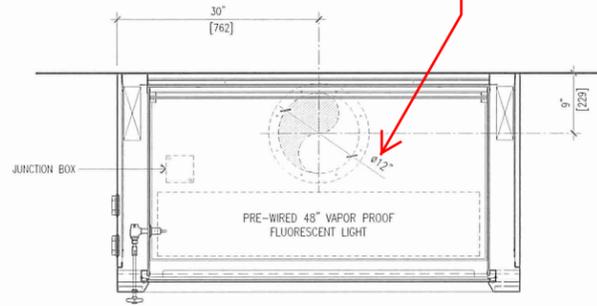
PARAMÈTRES DES HOTTES		
Dimension de la Hotte	Ouverture Maximale de la Porte - (L x H)	Ø Diamètre du Collet d'Évacuation
60"	50 1/2" X 26 1/4"	Ø 12" de Dia.

DONNÉES UTILISANT UNE VÉLOCITÉ DE 60PPM AVEC OUVERTURE MAXIMALE DE LA PORTE		
Évacuation en pi. cu./min.	Perte de Pression Statique	Vitesse de l'Air au Collet d'Évacuation
573 pcm	0.09"	730 ppm

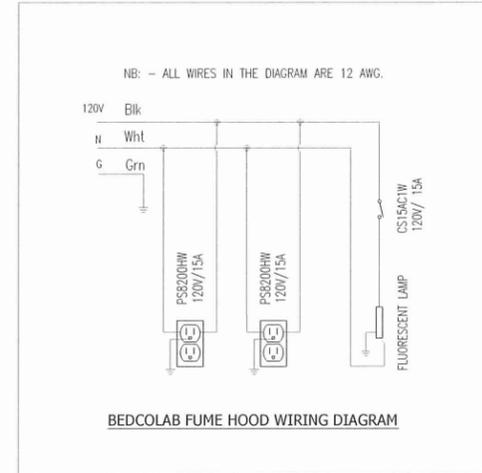
DONNÉES UTILISANT UNE VÉLOCITÉ DE 100PPM AVEC OUVERTURE MAXIMALE DE LA PORTE		
Évacuation en pi. cu./min.	Perte de Pression Statique	Vitesse de l'Air au Collet d'Évacuation
955 pcm	0.25"	1215 ppm

DESIGN CASE.

8" duct provided.
Will be coordinated with mechanical.



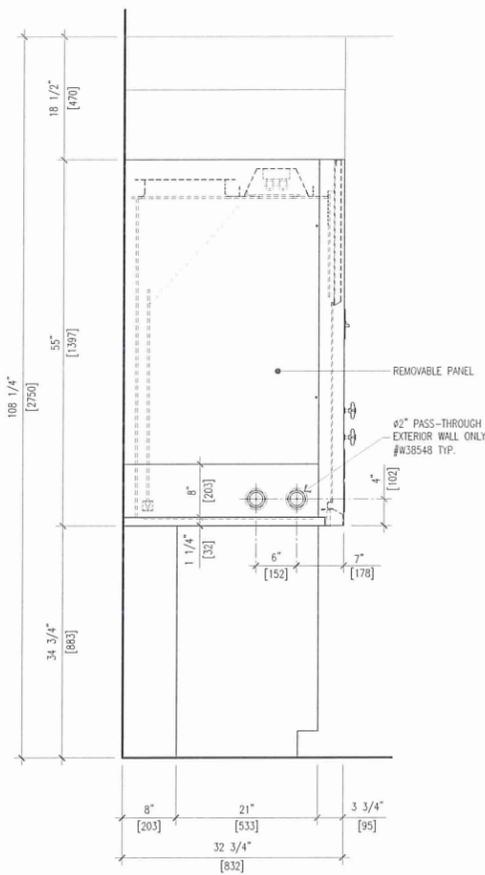
SECTION "C"



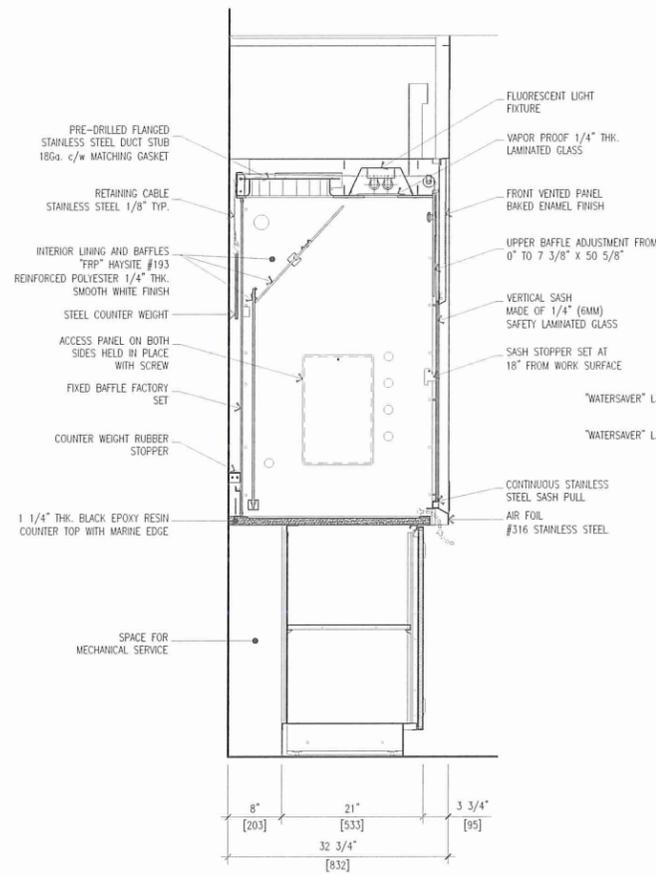
BEDCOLAB FUME HOOD WIRING DIAGRAM

- GENERAL NOTES
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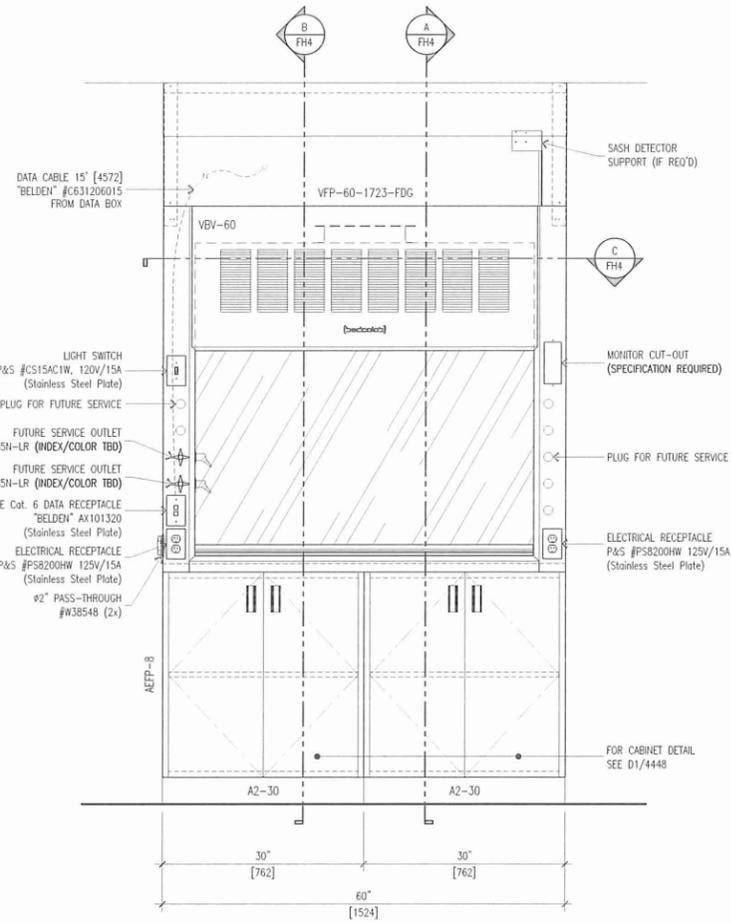
COLOR
TBD



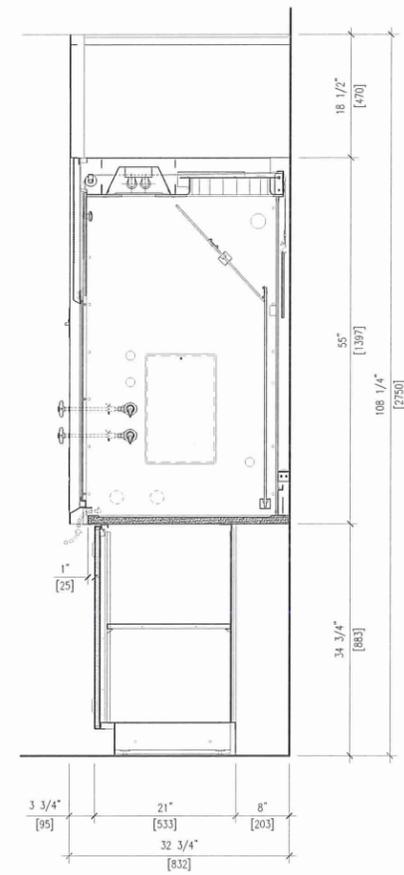
LEFT SIDEVIEW



SECTION "A"



1 VBV-60-FRP-E
Ref.: CF3, Room M-119, Elev. 9/A621
Quantity: 1



SECTION "B"

Issue/Revision		
No.	Date	Description
0	08/2015	Issued for Approval

Client:	H.H. Hawkins Ltd.
Project:	C.H.A.R.S. Fume Hoods
Item:	VBV-60-FRP-E Fume Hood

Drawn By:	C. Farmer	Date:	04-09-2015
Checked By:	S. Ducharme	Date:	07-09-2015
Approved By:	M. Cloutier	Date:	08-09-2015
Project Manager:	R. Pandin	Scale:	1"= 1'-0"

bedcolab
2305 Avenue Francis Hughes, Laval, Québec, H7S 1A5
514-394-2020 1-800-463-8434 FAX: 514-394-9210
www.bedcolab.com

Project No: 4448-RP Page: FH4

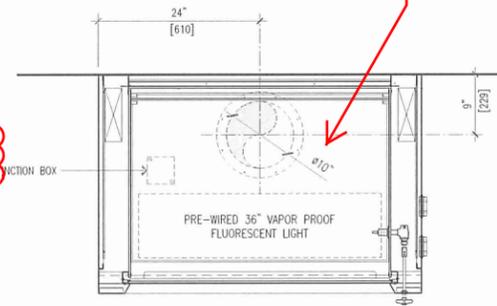
PARAMÈTRES DES HOTTES		
Dimension de la Hotte	Ouverture Maximale de la Porte - (L x H)	Ø Diamètre du Collet d'Évacuation
48"	38 1/2" X 26 1/4"	Ø10" de Dia.

DONNÉES UTILISANT UNE VÉLOCITÉ DE 60PPM AVEC OUVERTURE MAXIMALE DE LA PORTE		
Évacuation en pl. cu./min.	Perte de Pression Statique	Vitesse de l'Air au Collet d'Évacuation
437 pcm	0.065"	801 ppm

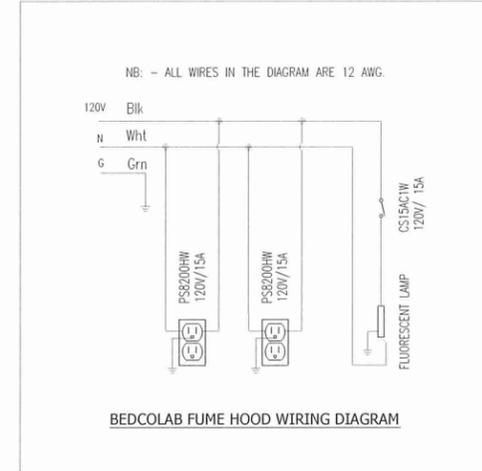
DONNÉES UTILISANT UNE VÉLOCITÉ DE 100PPM AVEC OUVERTURE MAXIMALE DE LA PORTE		
Évacuation en pl. cu./min.	Perte de Pression Statique	Vitesse de l'Air au Collet d'Évacuation
728 pcm	0.18"	1334 ppm

DESIGN CASE.

8" duct provided. Will be coordinated with mechanical.



SECTION "C"

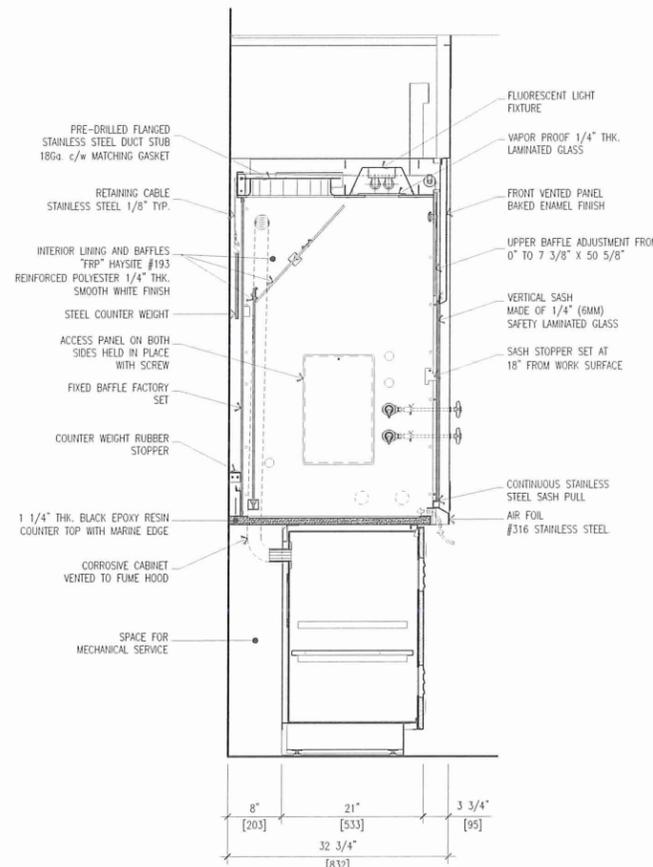


BEDCOLAB FUME HOOD WIRING DIAGRAM

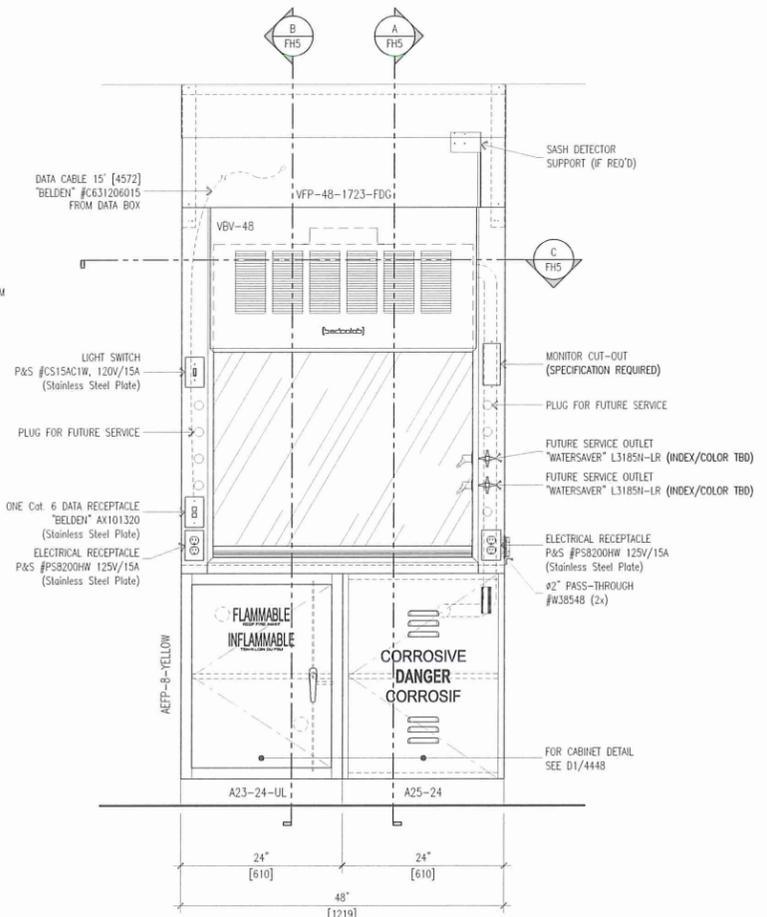
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 - 5- DATA CORD 15'-0" LONG FROM JUNCTION BOX CONNECTION +/- 10'-0" EXCEEDING TOP OF HOOD

COLOR

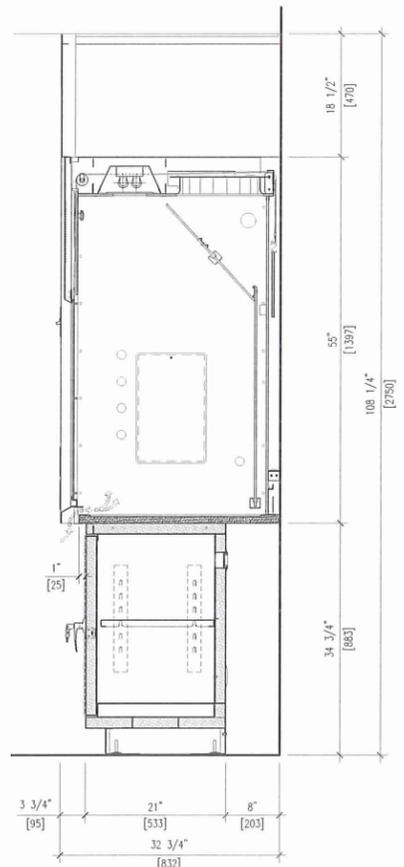
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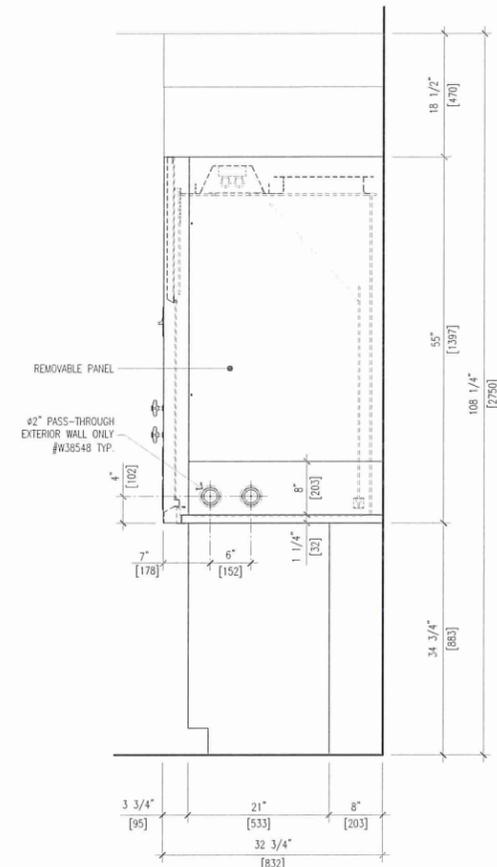
SECTION "A"



1 VBV-48-FRP-E
Ref.: CF4, Room M-192.4, Elev. 7/A622
Quantity: 1



SECTION "B"



RIGHT SIDEVIEW

Issue/Revision		
No.	Date	Description
0	08/2015	Issued for Approval

Client	H.H. Hawkins Ltd.
Project	C.H.A.R.S. Fume Hoods
Item	VBV-48-FRP-E Fume Hood

Drawn By	C. Farmer	Date	04-09-2015
Checked By	S. Ducharme	Date	07-09-2015
Approved By	M. Cloutier	Date	08-09-2015
Project Manager(s)	R. Pandin	Scale	1" = 1'-0"

bedcolab
2305 Avenue François-Magnus, Laval, Québec, H7S 1K5
514-354-2020 1-800-465-8464 FAX: 514-354-9219
www.bedcolab.com

Project No: 4448-RP Page: FH5

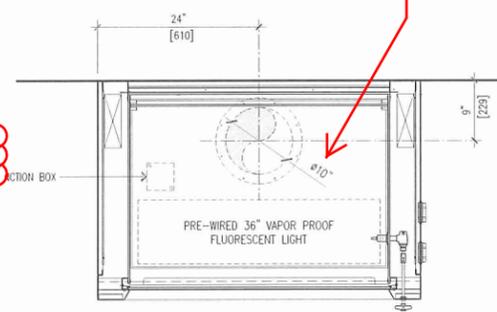
PARAMÈTRES DES HOTTES		
Dimension de la Hotte	Ouverture Maximale de la Porte - (L x H)	Ø Diamètre du Collet d'Évacuation
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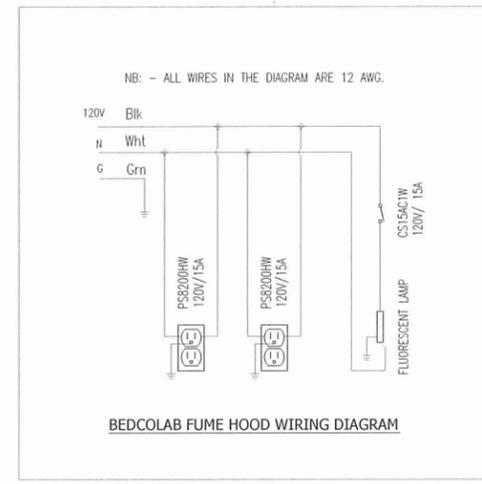
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DESIGN CASE.

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SECTION "C"



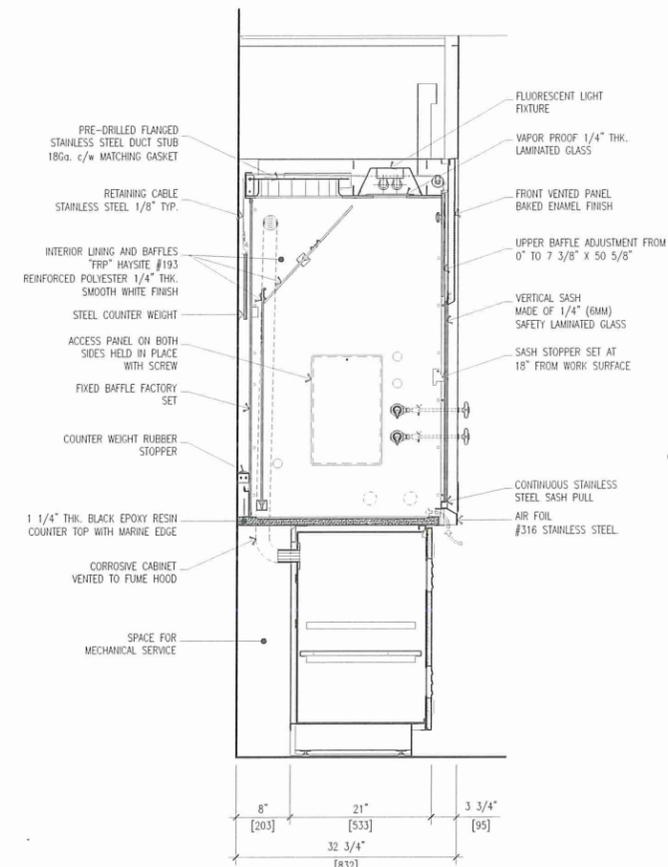
BEDCOLAB FUME HOOD WIRING DIAGRAM

GENERAL NOTES

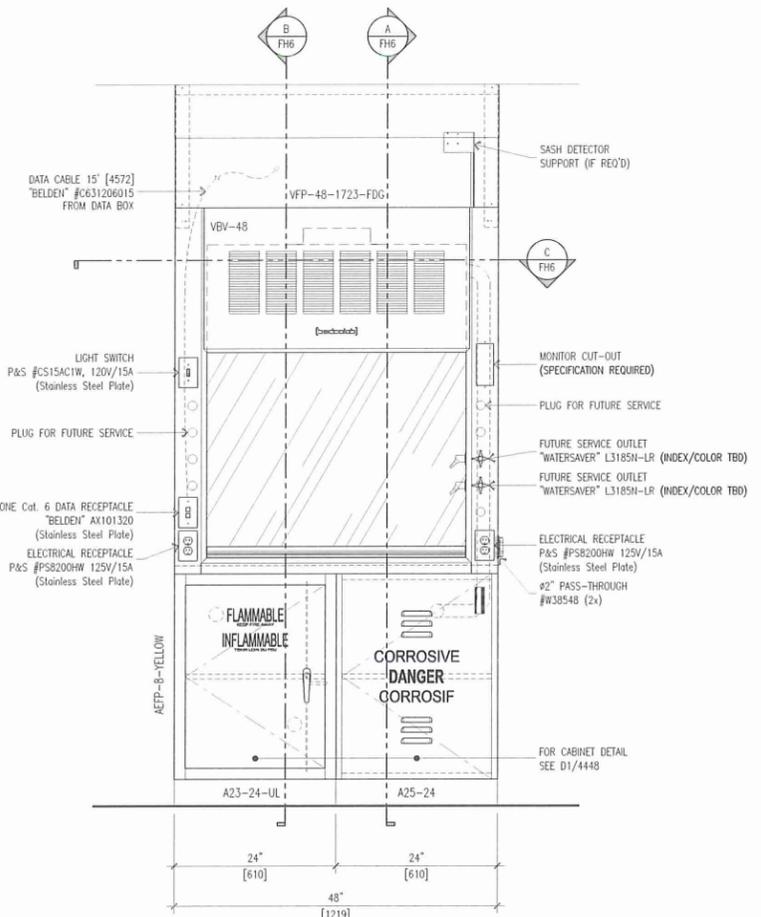
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COLOR

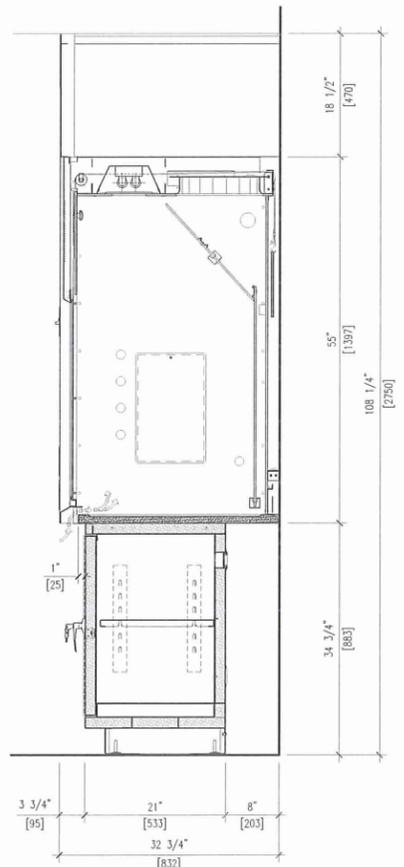
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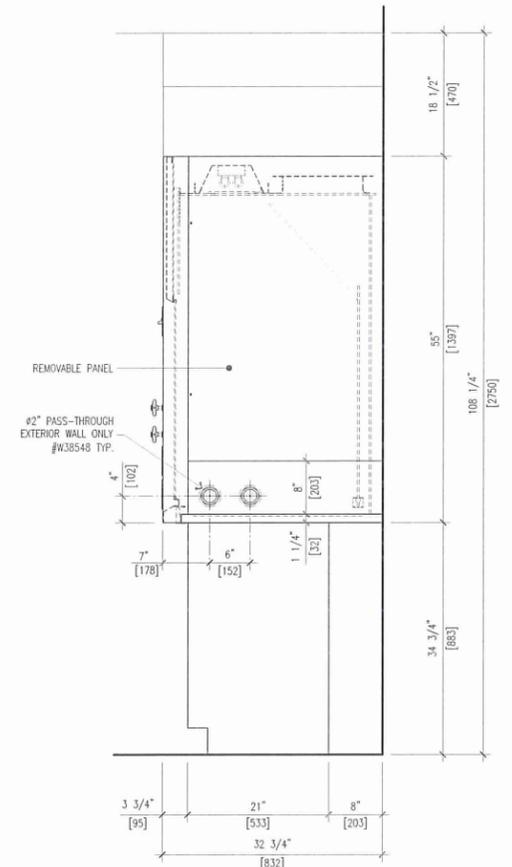
SECTION "A"



1 VBV-48-FRP-E
Ref.: CF4, Room M-264, Elev. 8/A624
Quantity: 1



SECTION "B"



RIGHT SIDEVIEW

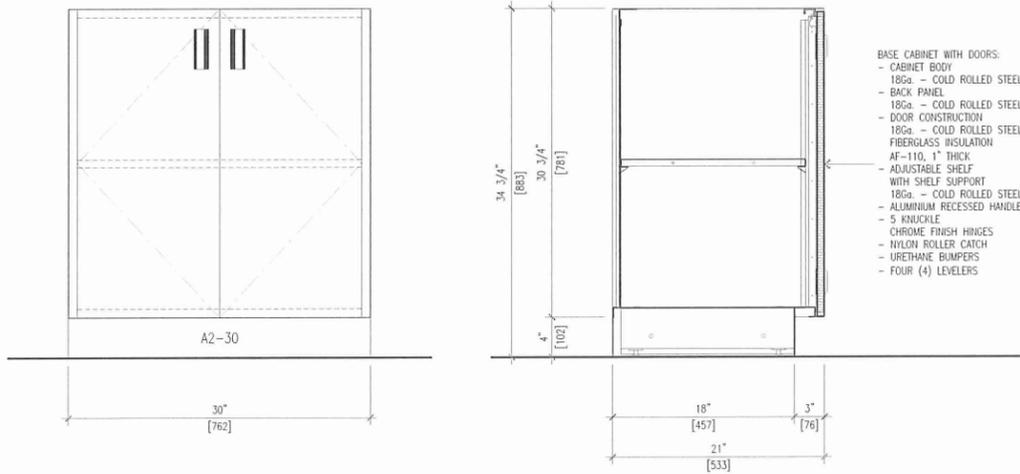
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Drawn By	C. Farmer	Date	04-09-2015
Checked By	S. Ducharme	Date	07-09-2015
Approved By	M. Cloutier	Date	08-09-2015
Project Manager	R. Pandin	Scale	1"= 1'-0"

H.H. Hawkins Ltd.
C.H.A.R.S.
Fume Hoods
VBV-48-FRP-E
Fume Hood

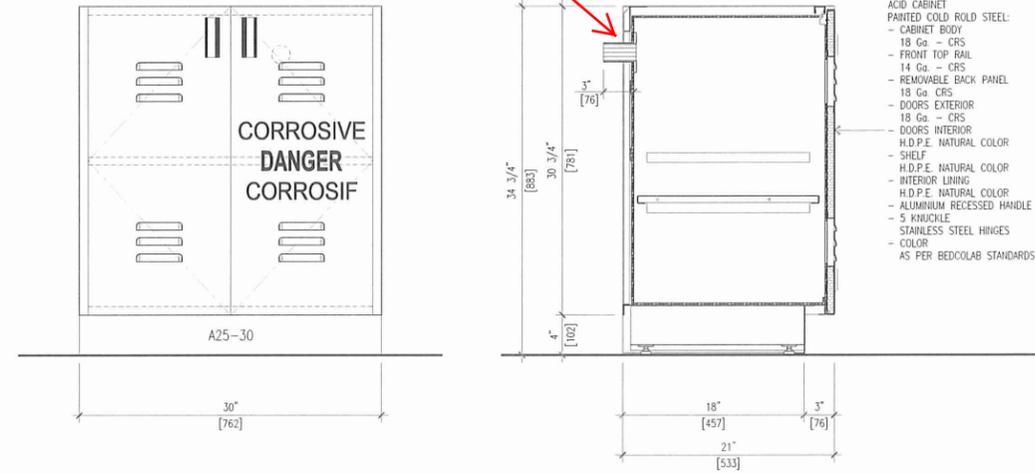
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4448-RP FH6



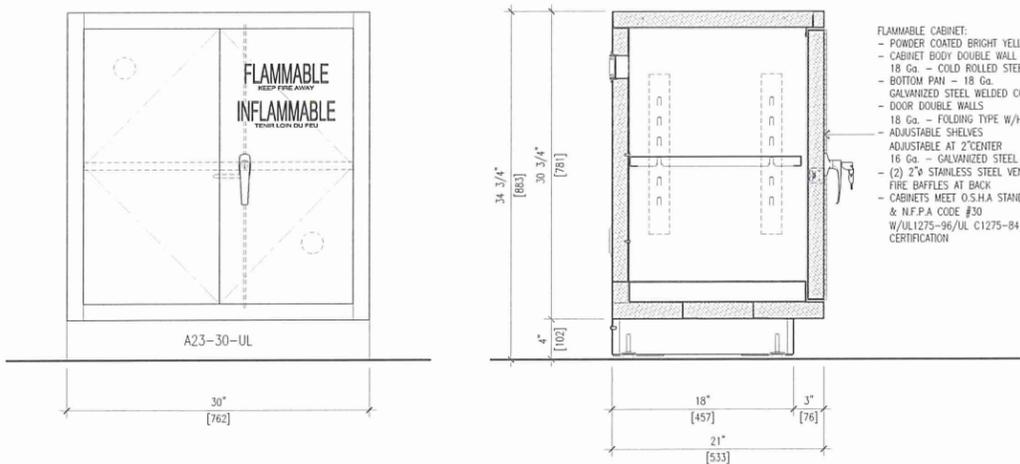
- BASE CABINET WITH DOORS:**
- CABINET BODY
 - 18Ga - COLD ROLLED STEEL
 - BACK PANEL
 - 18Ga - COLD ROLLED STEEL
 - DOOR CONSTRUCTION
 - 18Ga - COLD ROLLED STEEL
 - FIBERGLASS INSULATION
 - AF-110, 1" THICK
 - ADJUSTABLE SHELF WITH SHELF SUPPORT
 - 18Ga - COLD ROLLED STEEL
 - ALUMINIUM RECESSED HANDLE
 - 5 KNUCKLE CHROME FINISH HINGES
 - NYLON ROLLER CATCH
 - URETHANE BUMPERS
 - FOUR (4) LEVELERS

Typical Door Cabinet



- ACID CABINET**
- PAINTED COLD ROLLED STEEL
 - CABINET BODY
 - 18 Ga - CRS
 - FRONT TOP RAIL
 - 14 Ga - CRS
 - REMOVABLE BACK PANEL
 - 18 Ga CRS
 - DOORS EXTERIOR
 - 18 Ga - CRS
 - DOORS INTERIOR
 - H.D.P.E. NATURAL COLOR
 - SHELF
 - H.D.P.E. NATURAL COLOR
 - INTERIOR LINING
 - H.D.P.E. NATURAL COLOR
 - ALUMINIUM RECESSED HANDLE
 - 5 KNUCKLE STAINLESS STEEL HINGES
 - COLOR
 - AS PER BEDCOLAB STANDARDS

Typical Corrosive Cabinet



- FLAMMABLE CABINET:**
- POWDER COATED BRIGHT YELLOW
 - CABINET BODY DOUBLE WALL
 - 18 Ga - COLD ROLLED STEEL
 - BOTTOM PAN - 18 Ga
 - GALVANIZED STEEL WELDED CORNERS
 - DOOR DOUBLE WALLS
 - 18 Ga - FOLDING TYPE W/HINGES
 - ADJUSTABLE SHELVES
 - ADJUSTABLE AT 2" CENTER
 - 16 Ga - GALVANIZED STEEL
 - (2) 2" STAINLESS STEEL VENT/FIRE Baffles AT BACK
 - CABINETS MEET O.S.H.A STANDARD & NFPA CODE #30
 - W/UL1275-96/UL C1275-84 CERTIFICATION

Typical Flammable Cabinet

GENERAL NOTES

- 1- 26 1/2" WORKING SPACE
- 2- OPENING VIEW HEIGHT 67 3/4"
- 3- SASH OPENING 26 1/4" HIGH
- 4- TOTAL HEIGHT WITH SASH OPEN +/- 96" HIGH
- 5- DATA CORD 15'-0" LONG FROM JUNCTION BOX CONNECTION ±10'-0" EXCEEDING TOP OF HOOD

COLOR

TBD

No.	Date	Description
0	08/2015	Issued for Approval

Drawn By	C. Farmer	Date	04-09-2015
Checked By	S. Ducharme	Date	07-09-2015
Approved By	M. Cloutier	Date	08-09-2015
Project Manager	R. Pandin	Scale	1"= 1'-0"

H.H. Hawkins Ltd.	
C.H.A.R.S.	
Cabinet Details	
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