

**VARIANCE FEES**

MGO \$50.00  
COMM \$490.00  
Priority - Double above

**PETITION FOR VARIANCE APPLICATION**

**City of Madison  
Building Inspection  
Division**  
215 Martin Luther King Jr. Blvd.  
Madison, WI 53703  
(608) 266-4568

Amount Paid  
\$490 7-1-15 [Signature]

Name of Owner <b>Charlie Ross</b>	Project Description 2,096 alteration to exist. 32,000 SF bldg. incl. high potency sterile pharmaceutical mfr. labs.	Agent, architect, or engineering firm <b>Eppstein Uhen Architects</b>
Company (if applies) <b>Covance, Inc.</b>		No. & Street <b>222 West Washington Avenue</b>
No. & Street <b>3301 Kinsman Boulevard</b>	Tenant name (if any) <b>Covance Clinical Research Unit</b>	City, State, Zip Code <b>Madison 53703</b>
City, State, Zip Code <b>Madison, WI 53704</b>	Building Address <b>3402 Kinsman Boulevard</b>	Phone <b>(608) 442-6684</b>
Phone <b>(608) 210-7451</b>		Name of Contact Person <b>Cliff Goodhart</b>
e-mail <b>Charles.Ross@covance.com</b>		e-mail <b>cliffg@eua.com</b>

- The rule being petitioned reads as follows: (Cite the specific rule number and language. Also, indicate the nonconforming conditions for your project.)  
1008.1.4.4 Access-controlled egress doors - Interlocked doors (both doors cannot be open at same time) required in lab gowning rooms to maintain air pressure relationships. All conditions of 1008.1.4.4 can be met except criteria #1 (sensor on egress side automatically unlocks door).
- The rule being petitioned cannot be entirely satisfied because:  
See attached.
- The following alternatives and supporting information are proposed as a means of providing an equivalent degree of health, safety, and welfare as addressed by the rule:
  - The manufacturing / gowning rooms are 60 - 110 SF and within a restricted & secure area.
  - 10 employees will work in these rooms, trained in all manufacturing and safety procedures (no other employees)
  - Two people will occupy the lab space during manufacturing.
  - Doors will normally be in the unlocked position - only locked when the opposite door is open.
  - Doors will be equipped with a manual push button switch on the latch side, instantly unlocking the door.
  - Push button directly breaks power to doors without going through an access control system.
  - Locks will be "fail safe" and will automatically unlock in the event of power loss.
  - Doors will automatically unlock upon activation of the fire alarm or automatic sprinkler systems.

Note: Please attach any pictures, plans, or required position statements.

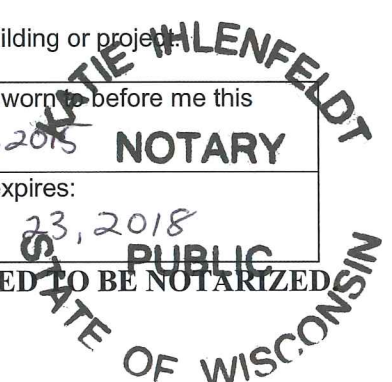
**VERIFICATION BY OWNER - PETITION IS VALID ONLY IF NOTARIZED AND ACCOMPANIED BY A REVIEW FEE AND ANY REQUIRED POSITION STATEMENTS.**

Note: Petitioner must be the owner of the building. Tenants, agents, contractors, attorneys, etc. may not sign the petition unless a Power of Attorney is submitted with the Petition for Variance Application.

Charlie Ross, being duly sworn, I state as petitioner that I have read the foregoing petition, that I believe it to be true, and I have significant ownership rights in the subject building or project.

Signature of owner 	Subscribed and sworn to before me this date: <u>27 Aug 2015</u>
Notary public 	My commission expires: <u>October 23, 2018</u>

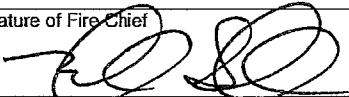
NOTE: ONLY VARIANCES FOR COMMERCIAL CODES ARE REQUIRED TO BE NOTARIZED





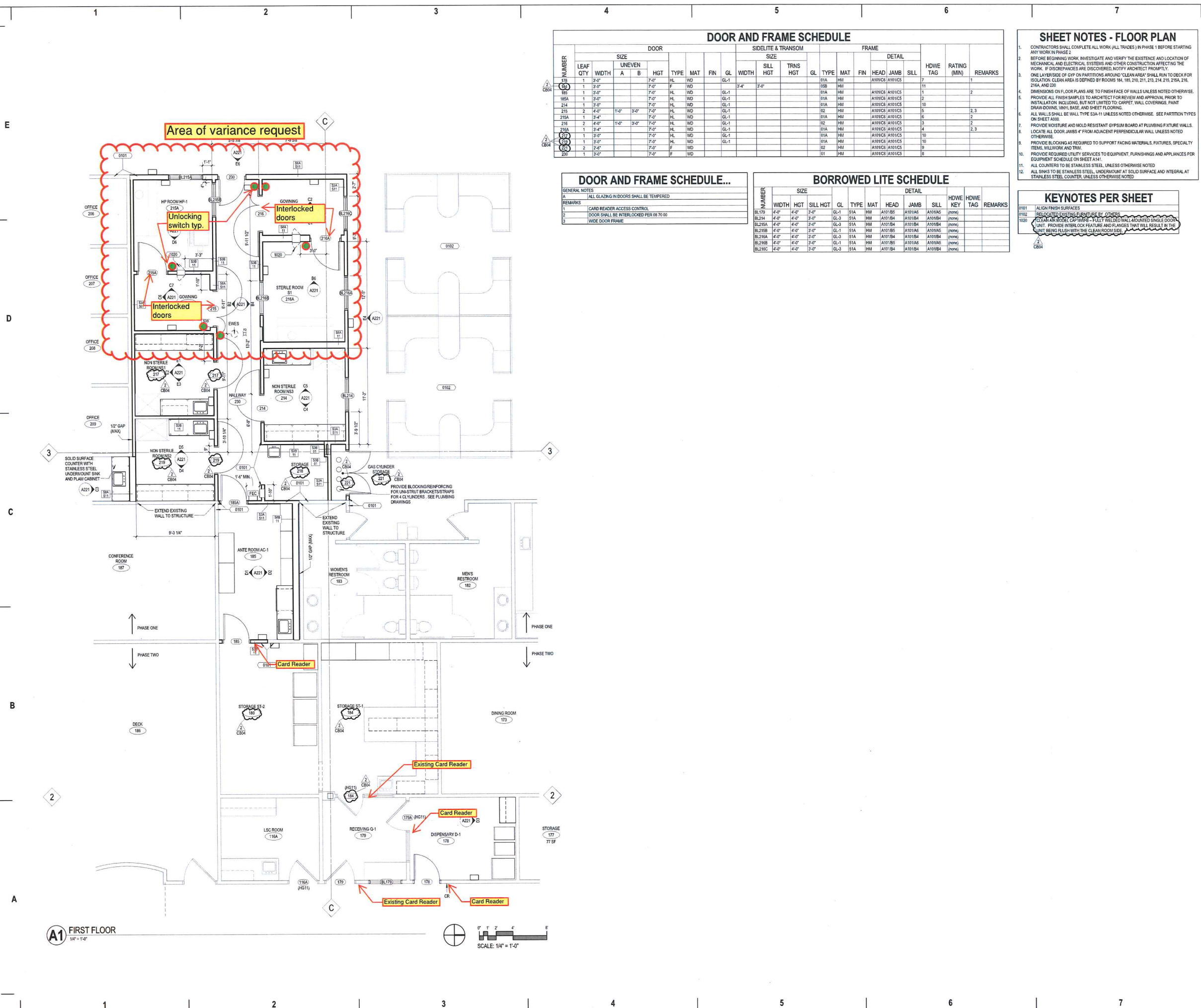
Neighborhood Preservation &  
Inspection Division  
215 Martin Luther King, Jr. Boulevard  
P.O. Box 2984  
Madison, WI 53701-2984

**POSITION STATEMENT:**  
To be completed by Fire Marshall

NAME OF OWNER Charlie Ross	BUILDING OCCUPANCY OR USE Pharmaceutical Manufacturing Labs	AGENT, ARCHITECT OR ENGINEERING FIRM Eppstein Uhen Architects
COMPANY Covance, Inc.	TENANT NAME, IF ANY Covance Clinical Research Unit	NO. & STREET 222 West Washington Avenue
NO. & STREET 3301 Kinsman Boulevard	BUILDING LOCATION, NO. & STREET 3402 Kinsman Boulevard	CITY, STATE, ZIP CODE Madison 53703
CITY, STATE, ZIP CODE Madison, WI 53704	CITY, COUNTY Madison, WI 53704	PHONE (608) 442-6684
1. I have read the petition for variance of rule:		
2. I RECOMMEND (check appropriate box): <input type="checkbox"/> Denial <input type="checkbox"/> Approval <input checked="" type="checkbox"/> Conditional Approval <input type="checkbox"/> No Comment*		
3. Explanation for Recommendation: <ul style="list-style-type: none"><li>• Building is fully sprinklered</li><li>• Need for interlocked doors driven by product purity needs of a pharmaceutical product.</li><li>• Access limited to highly trained staff that must follow very prescriptive procedures.</li><li>• Doors included are 215 &amp; 215A and 216 &amp; 216A.</li><li>• MFD work permit required prior to installation.</li></ul> <small>*If desired, Fire Departments may indicate "No Comment" on non-fire safety issues such as sanitary, energy conservation, structural, barrier free environments, etc.</small>		
4. <input type="checkbox"/> I find no conflict with local rules and regulations. <input type="checkbox"/> I find that the petition is in conflict with local rules and regulations.		
Explanation		
Signature of Fire Chief 	Date 8-31-15	

Please complete and submit promptly to the Neighborhood Preservation & Inspection Division at the address shown above.





### DOOR AND FRAME SCHEDULE

NUMBER	DOOR				SIDELITE & TRANSOM			FRAME				HDWE TAG	RATING (MIN)	REMARKS			
	LEAF QTY	SIZE		HGT	TYPE	MAT	FIN	GL	SIZE		DETAIL						
		A	B						WIDTH	SILL HGT	TRNS HGT				GL	TYPE	MAT
178	1	3'-0"		7'-0"	HL	WD		GL-1				01A	HM	A101CE A1011CS	7	1	
185	1	3'-0"		7'-0"	HL	WD		GL-1	3'-4"	3'-4"		02B	HM	A101CE A1011CS	11	1	
185A	1	3'-0"		7'-0"	HL	WD		GL-1				01A	HM	A101CE A1011CS	1	2	
214	1	3'-0"		7'-0"	HL	WD		GL-1				01A	HM	A101CE A1011CS	10		
215	2	4'-0"	1'-0"	3'-0"	7'-0"	HL	WD	GL-1				02	HM	A101CE A1011CS	5	2,3	
215A	1	3'-4"		7'-0"	HL	WD		GL-1				01A	HM	A101CE A1011CS	6	2	
216	2	4'-0"	1'-0"	3'-0"	7'-0"	HL	WD	GL-1				02	HM	A101CE A1011CS	3	2	
215A	1	3'-4"		7'-0"	HL	WD		GL-1				01A	HM	A101CE A1011CS	4	2,3	
217	1	3'-0"		7'-0"	HL	WD		GL-1				01A	HM	A101CE A1011CS	10		
221	2	2'-6"		7'-0"	F	WD		GL-1				01A	HM	A101CE A1011CS	9		
230	1	3'-0"		7'-0"	F	WD						01	HM	A101CE A1011CS	8		

### DOOR AND FRAME SCHEDULE...

GENERAL NOTES:  
 A ALL GLAZING IN DOORS SHALL BE TEMPERED  
 1 CARD READER ACCESS CONTROL  
 2 DOOR SHALL BE INTERLOCKED PER 08 70 00  
 3 WIDE DOOR FRAME

### BORROWED LITE SCHEDULE

NUMBER	SIZE			DETAIL				HDWE TAG	REMARKS	
	WIDTH	HGT	SILL HGT	GL	TYPE	MAT	HEAD			JAMB
BL173	4'-0"	4'-0"	3'-0"	GL-1	S1A	HM	A101B4	A101A6	A101A5	(none)
BL214	4'-0"	4'-0"	3'-0"	GL-3	S1A	HM	A101B4	A101B4	A101B4	(none)
BL215A	4'-0"	4'-0"	3'-0"	GL-3	S1A	HM	A101B4	A101B4	A101B4	(none)
BL216B	4'-0"	4'-0"	3'-0"	GL-1	S1A	HM	A101B5	A101A6	A101A5	(none)
BL216B	4'-0"	4'-0"	3'-0"	GL-1	S1A	HM	A101B5	A101A6	A101A5	(none)
BL216B	4'-0"	4'-0"	3'-0"	GL-1	S1A	HM	A101B5	A101A6	A101A5	(none)
BL216C	4'-0"	4'-0"	3'-0"	GL-3	S1A	HM	A101B4	A101B4	A101B4	(none)

- ### SHEET NOTES - FLOOR PLAN
- CONTRACTORS SHALL COMPLETE ALL WORK (ALL TRADES) IN PHASE 1 BEFORE STARTING ANY WORK IN PHASE 2
  - BEFORE BEGINNING WORK, INVESTIGATE AND VERIFY THE EXISTENCE AND LOCATION OF MECHANICAL AND ELECTRICAL SYSTEMS AND OTHER CONSTRUCTION AFFECTING THE WORK. IF DISCREPANCIES ARE DISCOVERED, NOTIFY ARCHITECT PROMPTLY.
  - ONE LAYER(S) OF GYP ON PARTITIONS AROUND "CLEAN AREA" SHALL RUN TO DECK FOR ISOLATION. CLEAN AREA IS DEFINED BY ROOMS 184, 185, 210, 211, 213, 214, 215, 216A, 216, 216A, AND 230.
  - DIMENSIONS ON FLOOR PLANS ARE TO FINISH FACE OF WALLS UNLESS NOTED OTHERWISE.
  - PROVIDE ALL FINISH SAMPLES TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION INCLUDING, BUT NOT LIMITED TO CARPET, WALL COVERINGS, PAINT DRAWINGS, VINYL, BASE, AND SHEET FLOORING.
  - ALL WALLS SHALL BE WALL TYPE S3A-11 UNLESS NOTED OTHERWISE. SEE PARTITION TYPES ON SHEET 8000.
  - PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM BOARD AT PLUMBING FIXTURE WALLS.
  - LOCATE ALL DOOR JAMBS 4" FROM ADJACENT PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
  - PROVIDE BLOCKING AS REQUIRED TO SUPPORT FACING MATERIALS, FIXTURES, SPECIALTY ITEMS, MILLWORK AND TRIM.
  - PROVIDE REQUIRED UTILITY SERVICES TO EQUIPMENT, FURNISHINGS AND APPLIANCES PER EQUIPMENT SCHEDULE ON SHEET A141.
  - ALL COUNTERTOPS TO BE STAINLESS STEEL, UNLESS OTHERWISE NOTED.
  - ALL SINKS TO BE STAINLESS STEEL, UNDERMOUNT AT SOLID SURFACE AND INTEGRAL AT STAINLESS STEEL COUNTER, UNLESS OTHERWISE NOTED.

- ### KEYNOTES PER SHEET
- 0101 ALIGN FINISH SURFACES  
 0102 RELOCATED EXISTING FLOOR USE BY OTHERS  
 1020 CLEAN AN UNLOCK CHANGES - FULLY WELDED WALL AND DOUBLE DOOR UNIT. PROVIDE INTERLOCK FEATURE AND FLANGES THAT WILL RESULT IN THE UNIT BEING FLUSH WITH THE CLEAN ROOM SIDE.

**eua**  
 eppstein uhen : architects  
 Milwaukee 333 East Chicago Street  
 Madison 222 West Washington Ave. Suite 650  
 Telephone 414.271.5350  
 Madison, Wisconsin 53703  
 Telephone 608.442.5350

PROJECT INFORMATION  
**Covance Clinical Research Unit Pharmacy Remodel and Expansion**  
 3402 KINSMAN BLVD.  
 MADISON, WISCONSIN

ISSUANCE AND REVISIONS

### CONSTRUCTION DOCUMENTS

#	DATE	DESCRIPTION
1	04/30/15	CB E3
2	05/18/15	CB04

KEY PLAN

SHEET INFORMATION

PROJECT MANAGER CG  
 PROJECT NUMBER 713414  
 DATE 2/10/2015

FIRST FLOOR PLAN  
**A101**

© Eppstein Uhen Architects, Inc.

**Covance Clinical Research Unit  
Petition for Variance**

In a cleanroom environment where pharmaceutical manufacturing is performed, variables around cleanliness of the air need to be controlled to maintain appropriate working conditions to protect the drug substance being manipulated. This control allows for a safe and high-quality product to be prepared for the research clinic. The gowning room that precedes each clean room serves as a buffer between dirty and clean air in the working space. The need for this room to exhibit appropriate air exchanges without the surrounding rooms interfering simultaneously is necessary to prevent cross contamination, ensure a reduced particle count and provide a mechanism to minimize the impact of an operator error to the drug product and to the facility.

The building's HVAC system is designed to maintain positive pressure for the ISO 7 cleanroom while the doors are in the closed position. When the door connecting the cleanroom to the gowning room is open, pressure differential is greatly reduced due to the relative size of the room compared with the size of the door opening. Should both doors of the gowning room open simultaneously, two potential problems arise: First, the pressure differential between the cleanroom and the (dirty) outer corridor is reduced and, second, the potential for cross-contamination increases as a person's motion through the anteroom creates air movement and turbulence. The airlock implementation allows the facility to ensure that these rooms stay clean, especially in the event of a temporary reduction of sufficient air pressure such as during routine system maintenance, ensuring that we can produce a quality product.

**Access to the spaces requiring interlocked doors is limited to less than 10** staff who are trained in the use and purpose of this equipment. The focus for operator safety in our space is a critical part to our process. And while the airlocks do require that the both doors be closed in order for an operator to leave the room, there are multiple mechanisms that allow for override of the door hardware in an emergency situation. **The staff are trained on what to do in an emergency situation** including how to override the airlocks. **No production in this clean room suite can be done without two operators involved.** This ensures a backup is always present to assist in the case of most type of emergencies or operator errors. We have designed the suite to include overrides that staff can execute to enter and exit the suite as needed. These mechanisms include:

- Doors will normally be in the unlocked position – only locked when the opposite door is open.
- Doors will be equipped with a manual push button switch on the latch side, instantly unlocking the door.
- The push button directly breaks power to doors without going through an access control system.
- Locks will be "fail safe" and will automatically unlock in the event of a power loss.
- Doors will automatically unlock upon activation of the fire alarm or automatic sprinkler systems.

Regards,

**Charlie Ross, CFM**  
**Facility Manager**  
[Charles.Ross@covance.com](mailto:Charles.Ross@covance.com)

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