

## PASS-THRU OPERATIONAL PROTOCOL

- 1) With Pass-Thru at rest and both doors latched either door may be opened.
- 2) Opening of one door is established by turning the handle ¼-turn toward the hinge side of the Pass-Thru to a horizontal position.
- 3) At this point the door may be pulled open as long as opposite door is closed and latched.
- 4) Once door is opened the opposite door shall be mechanically interlocked.
- 5) Materials shall be loaded into Pass-Thru.
- 6) The door should then be closed making sure the handle is in the horizontal position, slightly compress the gasket & turn the handle down into a vertical position to latch the door closed.
- 7) Opening opposite door is established by turning the handle ¼-turn toward the hinge side of the Pass-Thru to a horizontal position.
- 8) At this point the door may be pulled open as long as opposite door is closed and latched.
- 9) Once door is opened the opposite door shall be mechanically interlocked.
- 10) Materials should be unloaded from Pass-Thru.
- 11) The door should then be closed making sure the handle is in the horizontal position, slightly compress the gasket & turn the handle down into a vertical position to latch the door closed.

**Note: Any tampering with mechanical interlock may cause damage and will void all warranties.**

## PASS THRU W/ MECHANICAL INTERLOCK SPECIFICATIONS

### GENERAL:

The Pass Thru shall provide an air lock for optimum retention and prevention of cross contamination of the controlled atmosphere within the clean room area.

### CONSTRUCTION:

The Pass Thru general construction shall appear architecturally pleasing, and the engineering, workmanship, and materials shall be of the highest quality.

The Pass Thru shall be constructed of 20-ga., type 304, stainless steel with a #4 polished finish, double wall construction. The doors to be constructed of 20-ga., type 304, stainless steel with 1/4" thick clear acrylic glazing, bullet hinge and quarter turn latching handles. Pass Thru to include a mechanical door interlock system.

### INSTALLATION:

- The opening in the wall should be \*1/4" larger than the o.d. size of the unit.
- Attach the angle trim, (provided) to one side of unit.
- Place the unit into the opening and position as required.
- Shim and square, as needed.
- Attach the angle trim, (provided) to opposite side, sandwiching unit into wall.
- Install gussets/brackets if provided.
- After installation, make sure there are no sharp corners or edges on the angle trim.
- The Pass Thru is now ready for use.

\*Refer to unit drawing to verify.

**Note:** the Pass Thru is shipped with a squaring board inside unit to keep the unit square during shipment. This board should be kept in place, until after unit is installed.

### SEQUENCE OF OPERATION:

- When doors are closed actuator rods are pushed in by door latch, which moves the interlock latch to an open position.
- When a door is opened the actuator rod is released and the spring pulls the latch into the closed position around the opposite door latch not allowing the door to open.
- When the door is then closed the door latch pushes in the actuator rod, which will open the interlock latch.
- Also, refer to Pass-Thru Operational Protocol.

1 HR RATED WALL

INTERNAL STUD BOXED OPENING  
1/4" LARGER THAN PASS-THRU BOX

1" x 1" WALL TRIM BY PT MANUFACTURER

OPTIONAL SLOPED TOP FOR CLEAN ROOM REQUIREMENTS

HALCO FIRE RATED PASS-THRU  
MODEL # & SIZE AS SHOWN  
IN SCHEDULE

1 HR FIRE DOOR  
WITH WINDOW

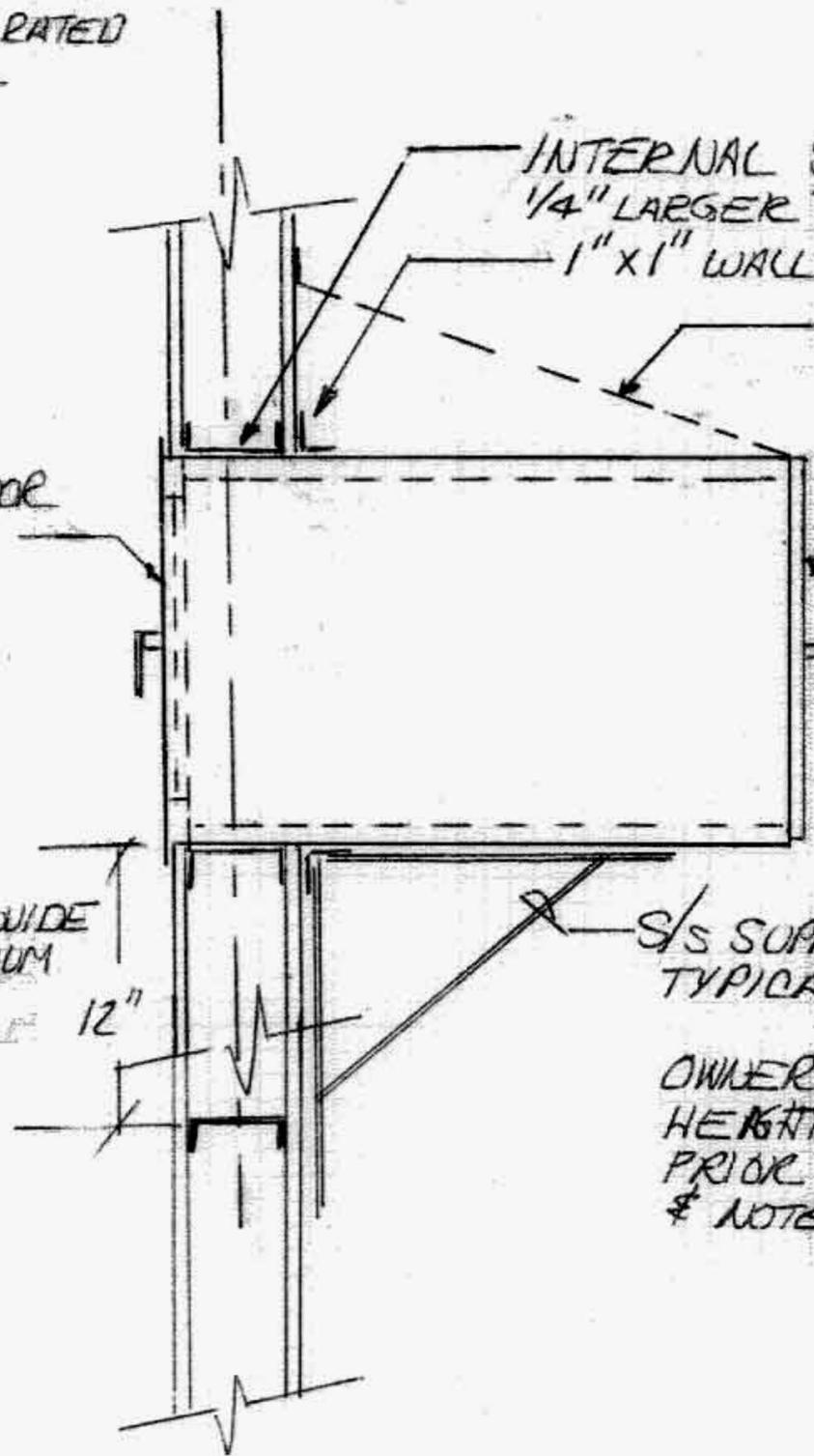
STANDARD S/S DOOR WITH  
WINDOW AND MECHANICAL  
INTERLOCK

DOOR SWINGS TO BE VERIFIED  
PRIOR TO FABRICATION OF  
MODULE

CONTRACTOR TO PROVIDE  
STUD BRACING MINIMUM  
12" BELOW OPENING  
FOR BRACKET  
RIGIDITY

S/S SUPPORT BRACKET  
TYPICAL FOR TWO (2)

OWNER & ARCHITECT TO VERIFY  
HEIGHT OF PASS-THRU AFF  
PRIOR TO CONSTRUCTION  
& NOTE ON DRAWINGS



HALCO PRODUCTS CO. 877-956-1600  
100 N. GORDON ST.  
ELK GROVE IL 60007

05-23-08 NO SCALE

A. BRIAN HALE

PASS-THRU  
DETAIL