

Millennium

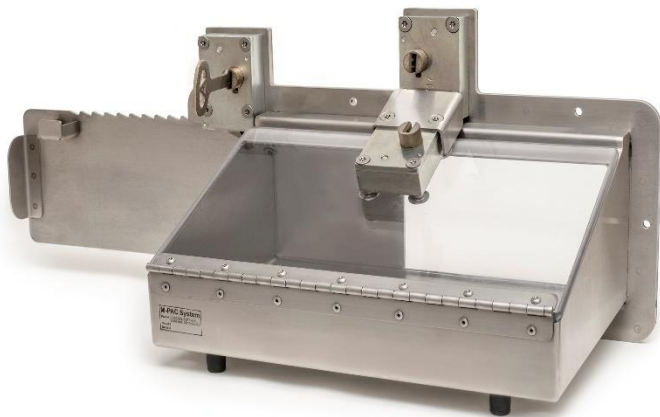
PATENTED ACCESS CONTROL SYSTEM (PACS)

THE MILLENNIUM PATENTED ACCESS CONTROL SYSTEM IS A REGISTERED PATENTED ITEM RECOGNIZED UNDER FEDERAL PATENT LAWS!

ANY ATTEMPT TO DUPLICATE THE MILLENNIUM PATENTED ACCESS CONTROL SYSTEM, OR ANOTHER UNIT OF SIMILAR DESIGN AND FUNCTION WITHOUT THE MILLENNIUM PATENT HOLDERS PERMISSION IS A VIOLATION OF FEDERAL LAW!

FEDERAL LAW PROVIDES SEVERE CIVIL AND CRIMINAL PENALTIES FOR THE UNAUTHORIZED REPRODUCTION, DISTRIBUTION, OR EXHIBITION OF PATENTED MATERIALS.

!!! New Technology in Correction Officer Safety!!!



The Patented Access Control System eliminates direct contact between correction officers and violent inmates housed in segregation units.

The Millennium PACS unit replaces the industries current antiquated food pass door. This innovative system will retrofit any existing cell door or can incorporate in to new construction. By using the Patented Access Control System, correctional staffs are no longer at risk of sudden opening of the food pass door, substance thrown on them and prohibits the passage of contraband from cell to another cell.



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Introducing The Ultimate Safety System For Handling Violent Inmates In Segregation Units

The Patented Access Control System will retrofit to existing cell doors in place of the current hinged open pass way. The unique dual lock system protects correction officers from direct contact with violent inmates in segregated housing units. The angled tray design combined with the ratchet operated sliding door makes this unit effective for cuffing inmates, applying chemical spray into the cell without contaminating the surrounding area or exposing correction officers to assault, dispensing medications, and tray feeding of violent or disruptive inmates without exposing correction officers to potential assault. This Patented System also facilitates the controlled release and return of an inmate to the cell without exposing correction officers to potential battery.

Correction officers save time and eliminate the risk of injury while dealing with violent inmates.



Design Features

- Patented Dual Lock System
- Sliding Steel Door with Integral Ratchet Mechanism Operated by Security Lock
- Clear Lexan Cover
- Available for Doors with Center Food Slot or Side Cuff Pass Openings
- Available in Fixed and Dropdown Tray Box Configurations

Built to Protect and Last

- 2 Year Limited Warranty
- Heavy Duty All Stainless Steel Construction
- Retrofits to Existing Detention Doors



Controlled release and return of an inmate to the cell without exposing the correction officer to potential assault.



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Access Control Division

Operation of the Patented Access Control System

Figure 1

The patented dual lock design with sliding metal door and hinged cover gives correction officers control of the passage opening and prevents assault by eliminating staffs direct contact with violent and disruptive inmates.

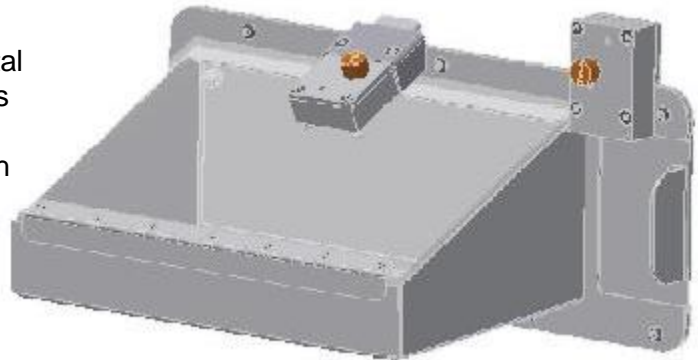
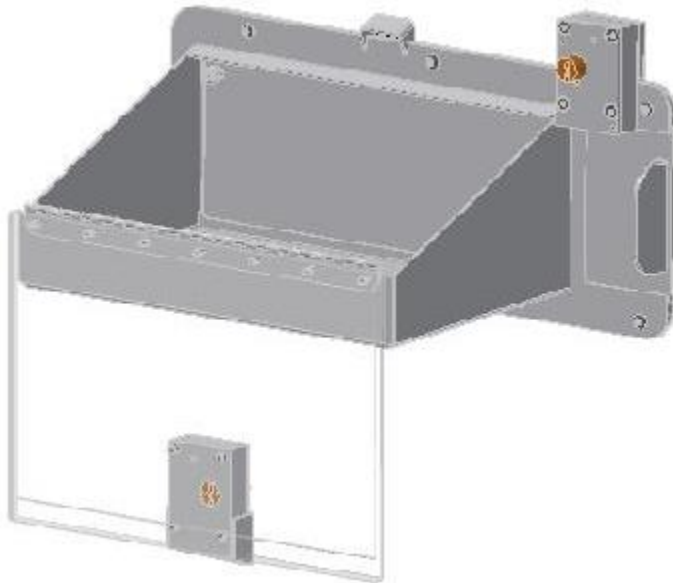


Figure 2

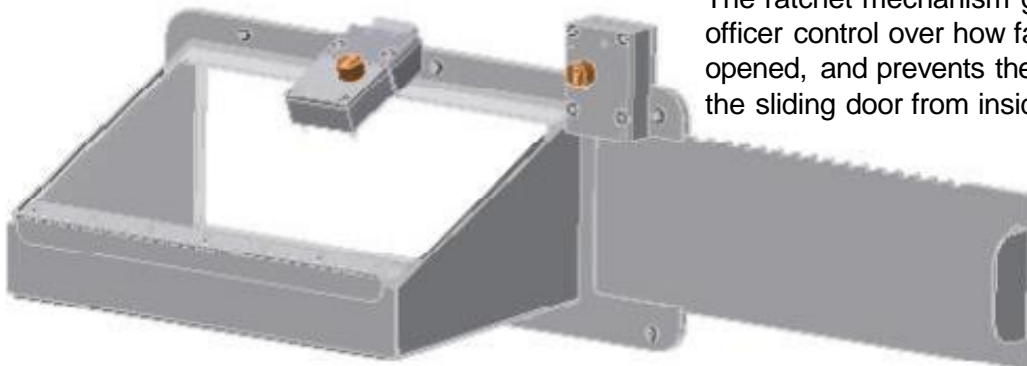
The correction officer unlocks and opens the hinged cover to gain access to the interior of the tray box.



The item(s) to be passed to the inmate is placed inside the tray box. The cover is then closed and locked, effectively restricting the inmate access to the space outside the cell while retrieving the item(s) in the tray box.

Figure 3

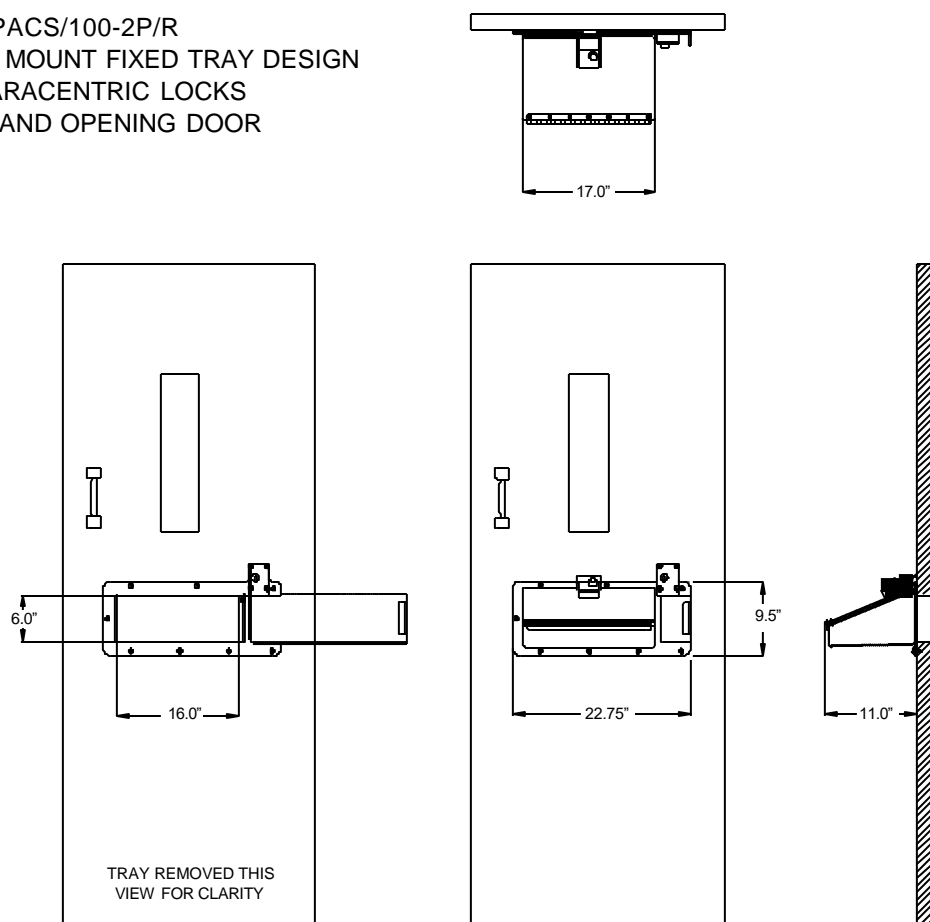
The correction officer unlocks and releases the ratchet mechanism to open the sliding door and give the inmate access to the item(s) placed inside the tray box.



The ratchet mechanism gives the correction officer control over how far the sliding door is opened, and prevents the inmate from opening the sliding door from inside the cell.



MODEL PACS/100-2P/R
 CENTER MOUNT FIXED TRAY DESIGN
 DUAL PARACENTRIC LOCKS
 RIGHT HAND OPENING DOOR



Material Specifications

Security Lock Type*	No. 17 latch or series 10 dead bolt
Tray Material	12 gage stainless steel
Sliding Door Material	3/16" thick stainless steel
Frame Material	1/2" thick stainless steel

Model	Configuration	Security Lock Type*
PACS/100	Center mount frame - Fixed tray (food box)	No. 17 latch
PACS/100-BOP	Center mount frame - Fixed tray (food box)	Series 10 dead bolt
PACS/200	Center mount frame – Fixed/Dropdown tray (food box)	No. 17 latch
PACS/200-BOP	Center mount frame – Fixed/Dropdown tray (food box)	Series 10 dead bolt
PACS/500	Side mount frame – Fixed/Dropdown tray (food box)	No. 17 latch/10 dead bolt

*Security locks available with paracentric key, ASSA key, or turn knob. All models available with right or left hand opening sliding doors. Professional installation and custom configurations quoted on request.



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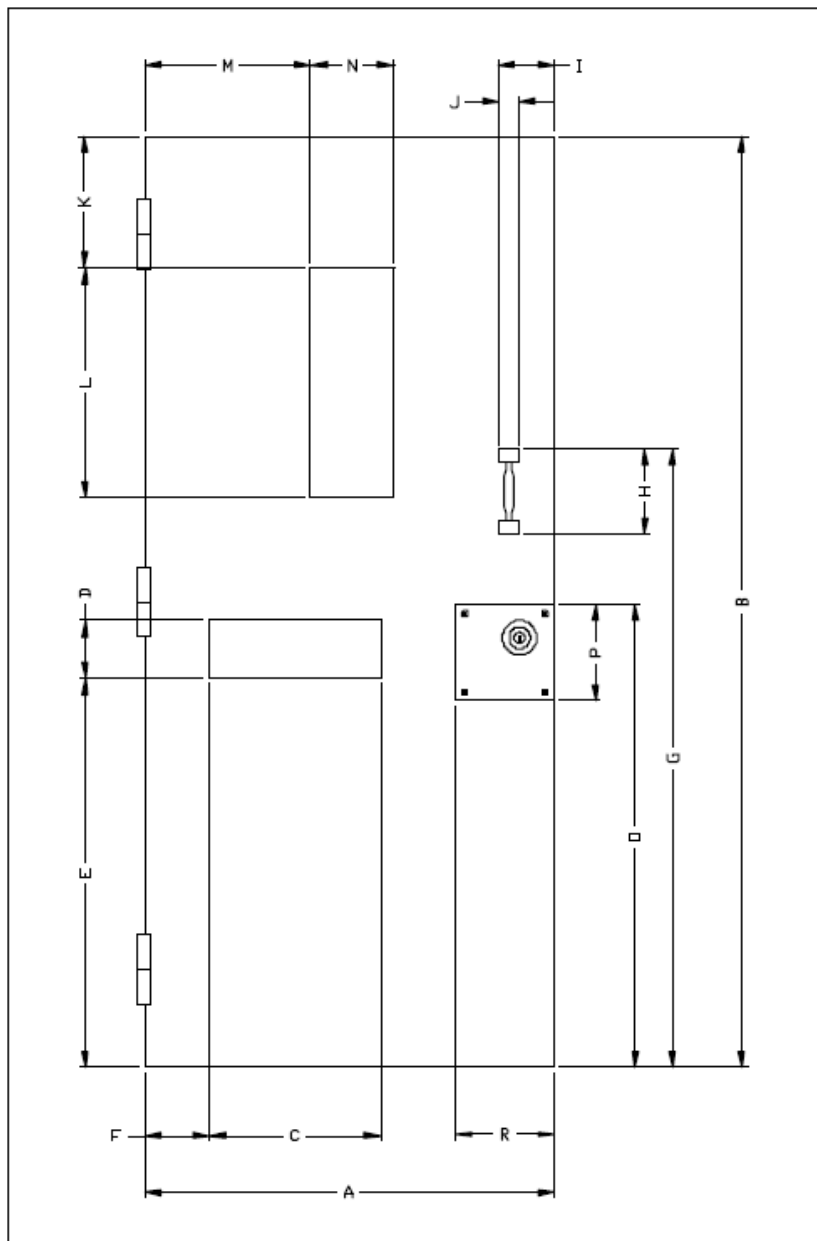
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Door Data Sheet

Hinged Door - Center Food Slot - Single Window

Date	



A	
B	
C	
D	
E	
F	
G	
H	
I	
J	
K	
L	
M	
N	
O	
P	
R	

Leave dimensions blank that are not applicable to application.

Attach a separate sketch of any features that are not called out on this data sheet.

If possible E-mail a digital picture of door to: Support@millennumpacs.com



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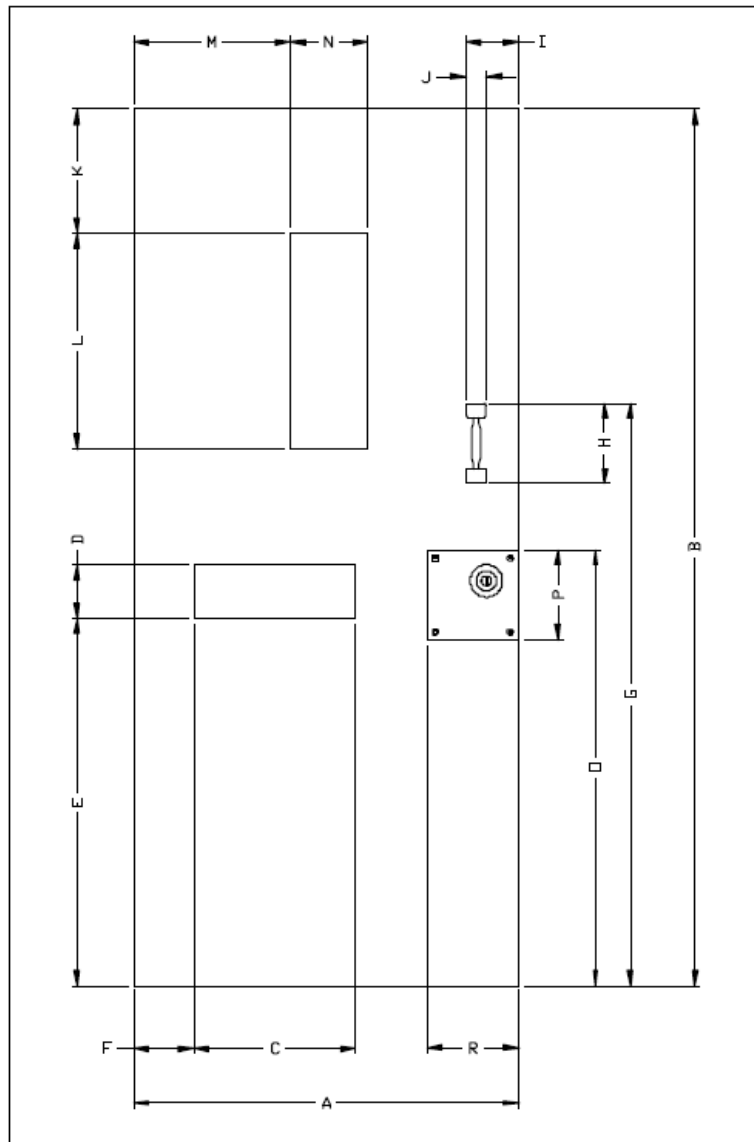
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Door Data Sheet

Sliding Door - Center Food Slot - Single Window

Date	



A	
B	
C	
D	
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H	
I	
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Leave dimensions blank that are not applicable to application.

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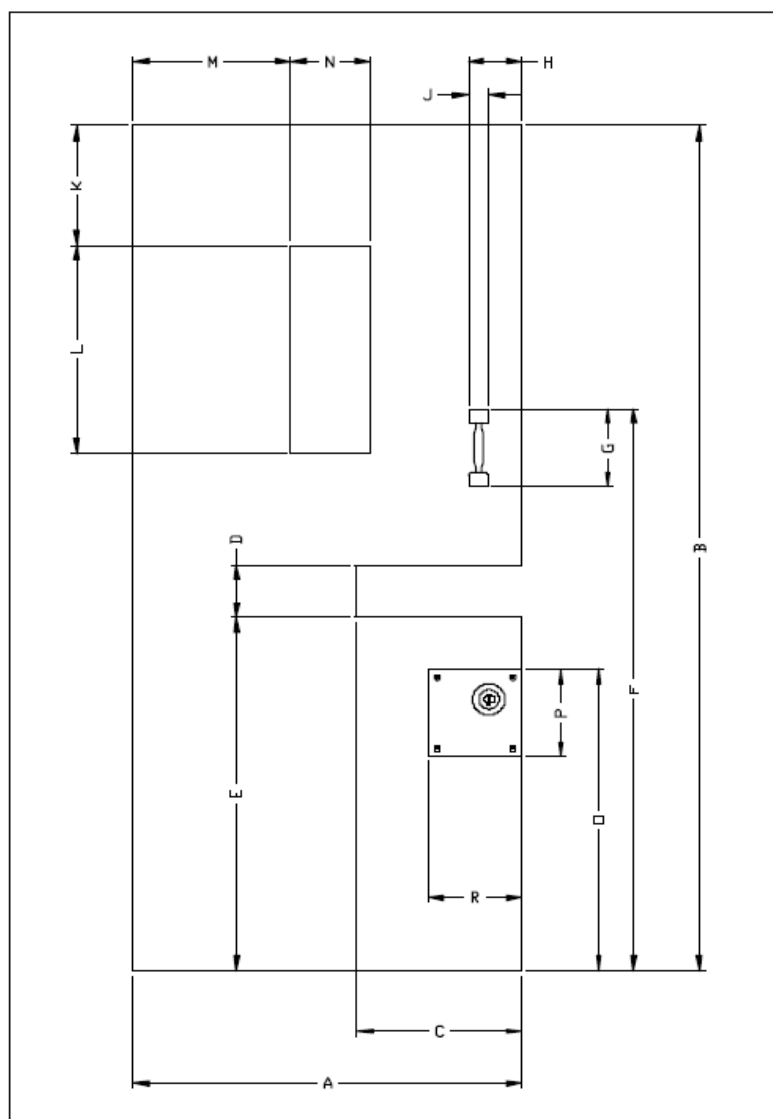
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Door Data Sheet

Sliding Door - Side Cuff Pass - Single Window

Date	



A	
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C	
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G	
H	
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Leave dimensions blank that are not applicable to application.

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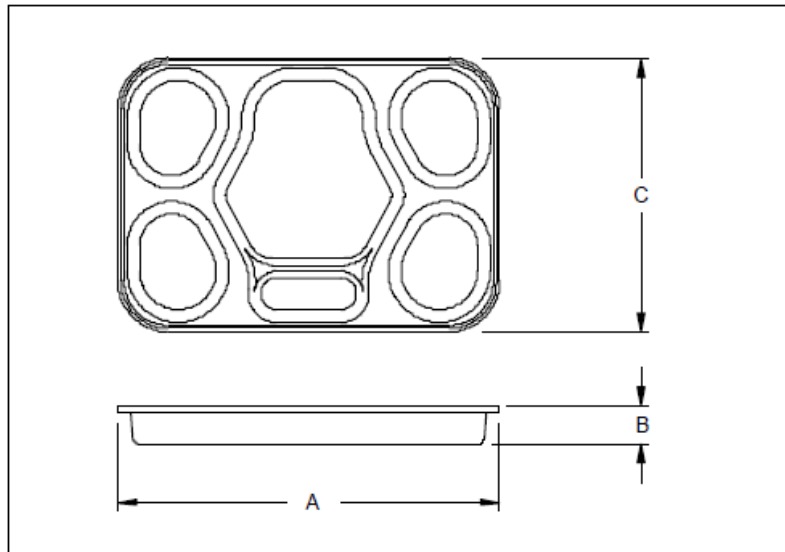
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Food Tray Data Sheet

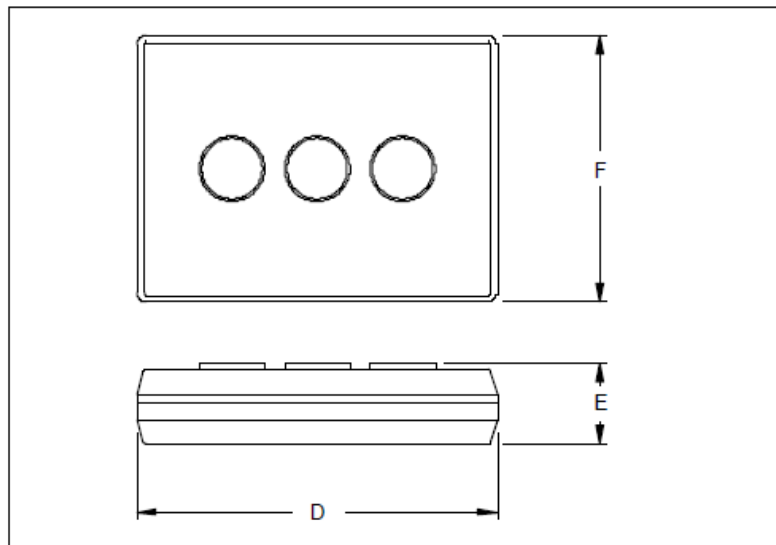
Date	

Standard Food Tray



A	
B	
C	

Insulated Food Tray



D	
E	
F	



Lock Data Sheet

The Millennium Patented Access Control System is available with a variety of different security lock configurations from all lock manufacturers. Locks can be supplied with the key code specified by the institution to maintain compatibility with existing food pass locks.

Paracentric Cylinder



Builders Cylinder



*Turn Knob**



*Turn knob to operate ratchet mechanism is mounted directly on the frame. A latch lock is used only to secure the Lexan cover.

Institution	
Date	
Type of Lock	
Manufacturer	
Key Code	

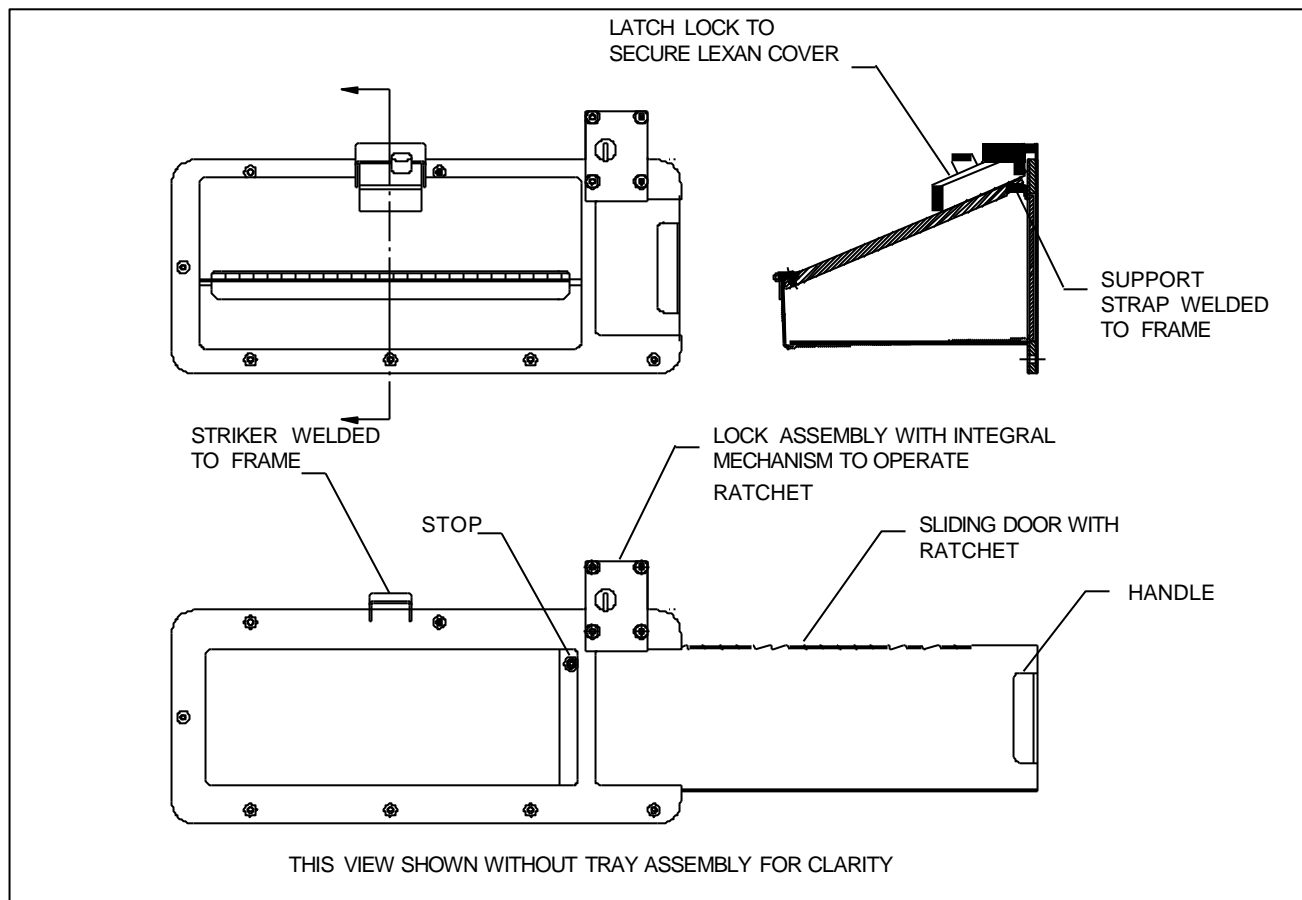


PACS/100 Series - Center Mount Fixed Tray

The PACS/100 Series is a center mount configuration with a fixed tray. This Patented Access Control System model is designed for both sliding and hinged cell doors with a center opening. The tray assembly is welded to the frame to produce a sturdy single unit construction. The sliding door is controlled by a ratchet mechanism that gives correction officers control in setting the opening of the sliding door, and prevents the inmate from opening the door from inside the cell. The angled tray design combined with the ratchet operated sliding door makes this unit effective for cuffing inmates, applying chemical spray into cell without exposing correction officers to assault dispensing medications, and tray feeding violent or disruptive inmates without physical contact.

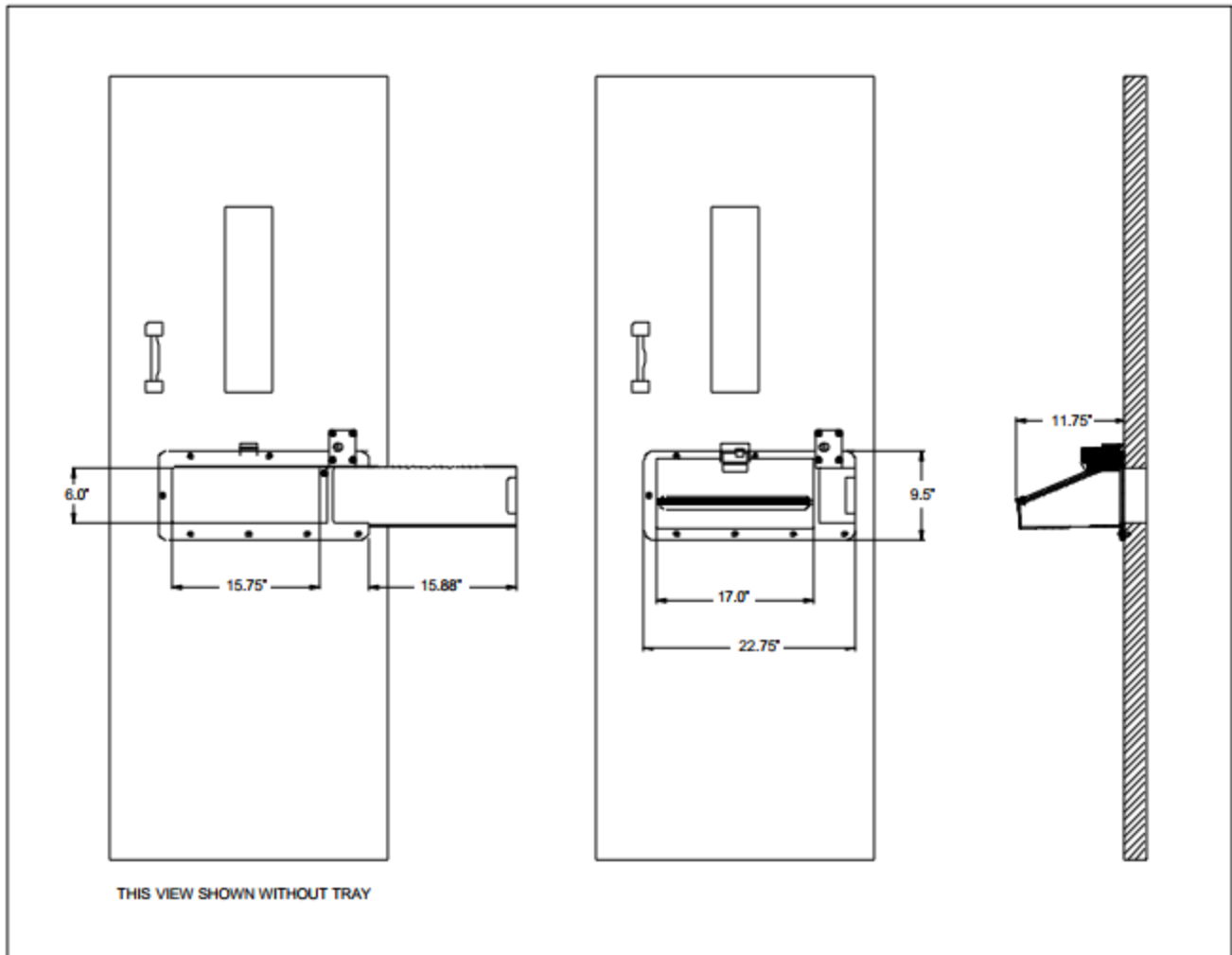
PASC/100 Series Features

- Lock on frame has integral mechanism to operate ratchet and release sliding door.
- Lexan cover is secured by latch lock.
- Welded strap on tray assembly prevents inmate from tampering with latch lock on Lexan cover.
- Tray is pitched 2° to allow spilled liquids to flow away from the cell door and toward the (2) drain holes in bottom of tray.
- All stainless steel construction for strength and durability.



Patented Access Control System

PASC/100 Dimensions & Specifications



Material Specifications for PACS/100 Series

Security Lock Type*	No. 17 latch - paracentric key
Tray Material	12 gage 304 stainless steel
Sliding Door Material	3/16" thick 304 stainless steel
Frame Material	1/2" thick 304 stainless steel
Cover Material	1/2" thick clear Lexan
Hinge	3/16" stainless steel piano hinge

*Other lock types including ASSA cylinders and thumb turns are available.

PACS/100 Series available in right and left hand opening models.

Custom sizes to accommodate specific food tray and/or cell door configurations available.

Professional installation quoted on request.



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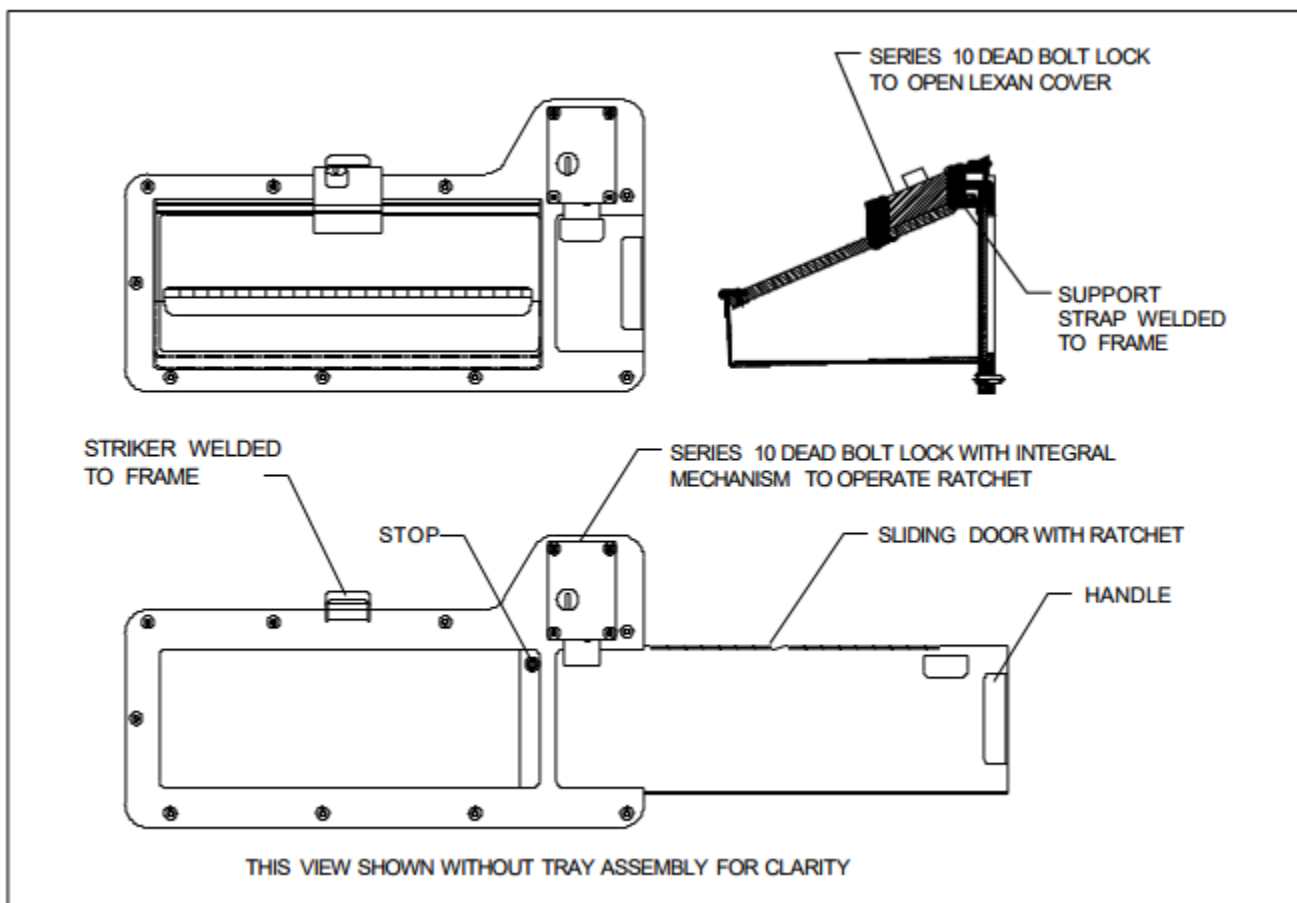


PACS/100-BOP Series - Center Mount Fixed Tray

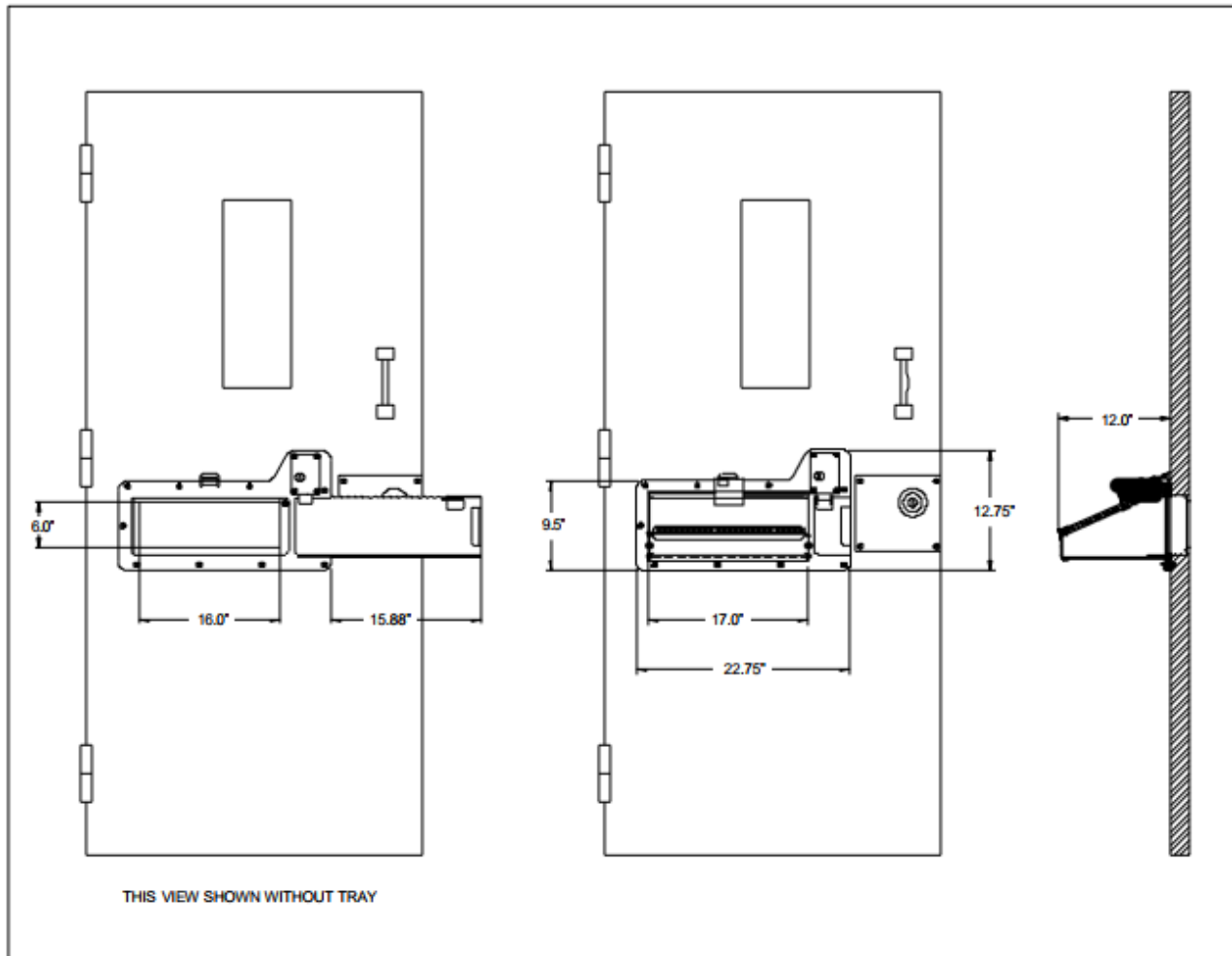
The ACS/100-BOP Patented Access Control System Series is a center mount configuration with a fixed tray that uses series 10 dead bolt locks. This model is designed for both sliding and hinged cell doors with a center ratcheted opening. The tray assembly is welded to the frame to produce a sturdy single unit construction. The sliding door is controlled by a ratchet mechanism to give correction officers control in setting the opening of the sliding door, and prevent inmates from opening the door from inside the cell. The angled tray design combined with the ratchet operated sliding door makes this unit effective for cuffing inmates, applying chemical spray into cell without exposing correction officers to assault, dispensing medications, and tray feeding violent or disruptive inmates without physical contact.

PASC/100-BOP Series Features

- Series 10 dead bolt lock on frame has integral mechanism to operate ratchet and release sliding door.
- Lexan cover is secured by a series 10 dead bolt lock.
- Welded strap on tray assembly prevents inmate from tampering with the lock on the Lexan cover.
- Tray is pitched 2° to allow spilled liquids to flow away from the cell door and toward the (2) drain holes in bottom of tray.
- All stainless steel construction for strength and durability.



PASC/100-BOP Dimensions & Specifications



Material Specifications for PACS/100-BOP Series

Security Lock Type	Series 10 dead bolt - paracentric key
Tray Material	12 gage 304 stainless steel
Sliding Door Material	3/16" thick 304 stainless steel
Frame Material	1/2" thick 304 stainless steel
Cover Material	1/2" thick clear Lexan
Hinge	3/16" stainless steel piano hinge

PACS/100-BOP Series available in right and left hand opening models.
Custom sizes to accommodate specific food tray and/or cell door configurations available.
Professional installation quoted on request.



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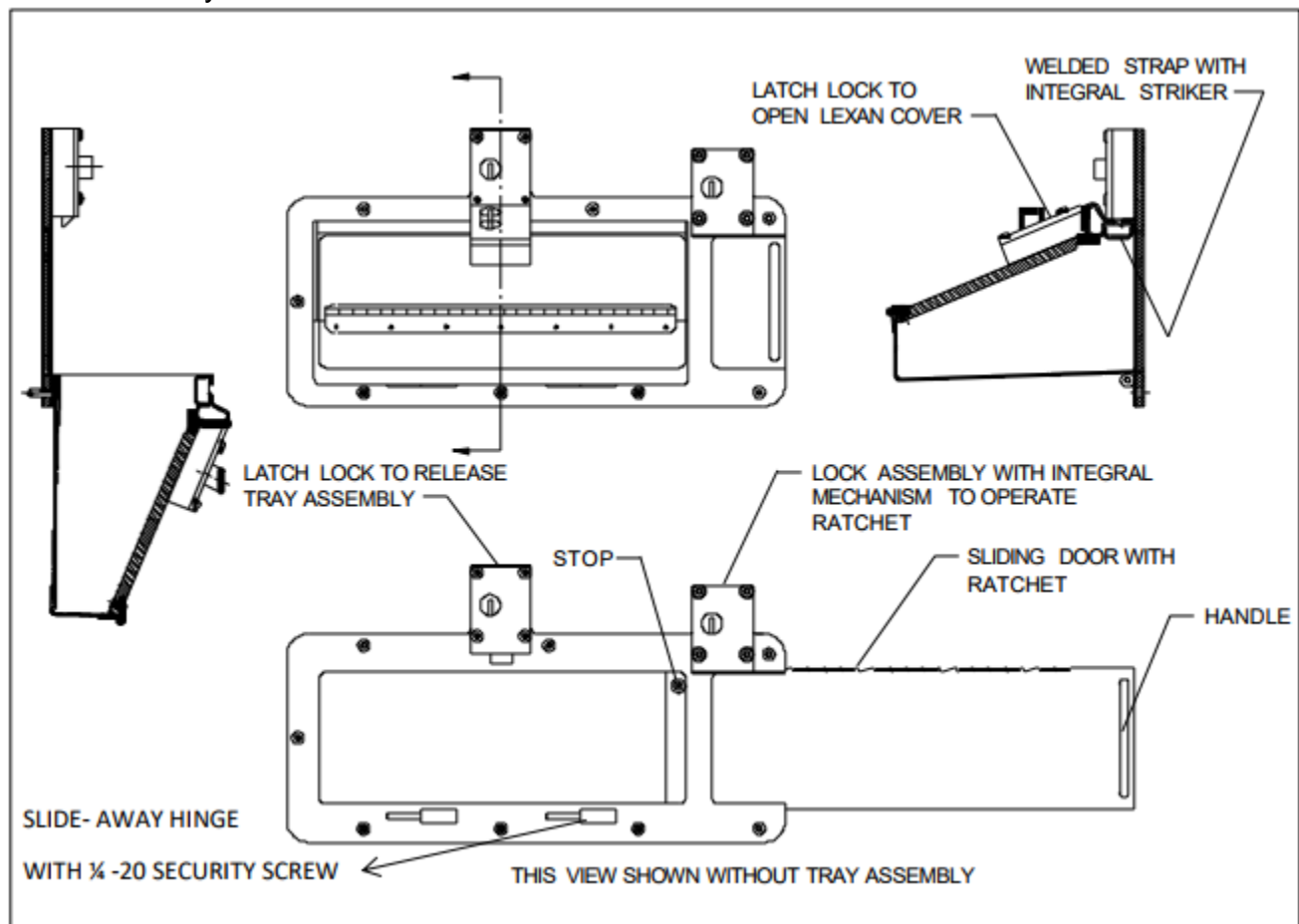
PACS/200 Series - Center Mount Fixed Tray

The PACS/200 Patented Security Access Control Series is a center mount configuration with a tray that hinges and can also be removed to accommodate variable tray configuration. This model incorporates the features of the PACS/100, with the addition of a latch lock mounted to the center of the frame to secure the tray assembly. The tray is easily removed by releasing the latch lock. A key is not required to mount and secure the tray assembly.

The PACS/200 enables a hinged door to be fully opened when the tray assembly is removed, and also provides added flexibility on sliding cell door applications.

PASC/200 Series Features

- Latch lock in center of frame secures tray assembly.
- Slide-away hinge enables tray to be removed quickly to accommodate variable tray configuration.
- Tray assembly can be mounted and secured without a key.
- Welded strap on tray assembly prevents inmate from tampering with the latch locks on the frame and Lexan cover.
- Striker for latch lock on cover is integral to the tray assembly, and Lexan cover stays closed when the tray is removed.



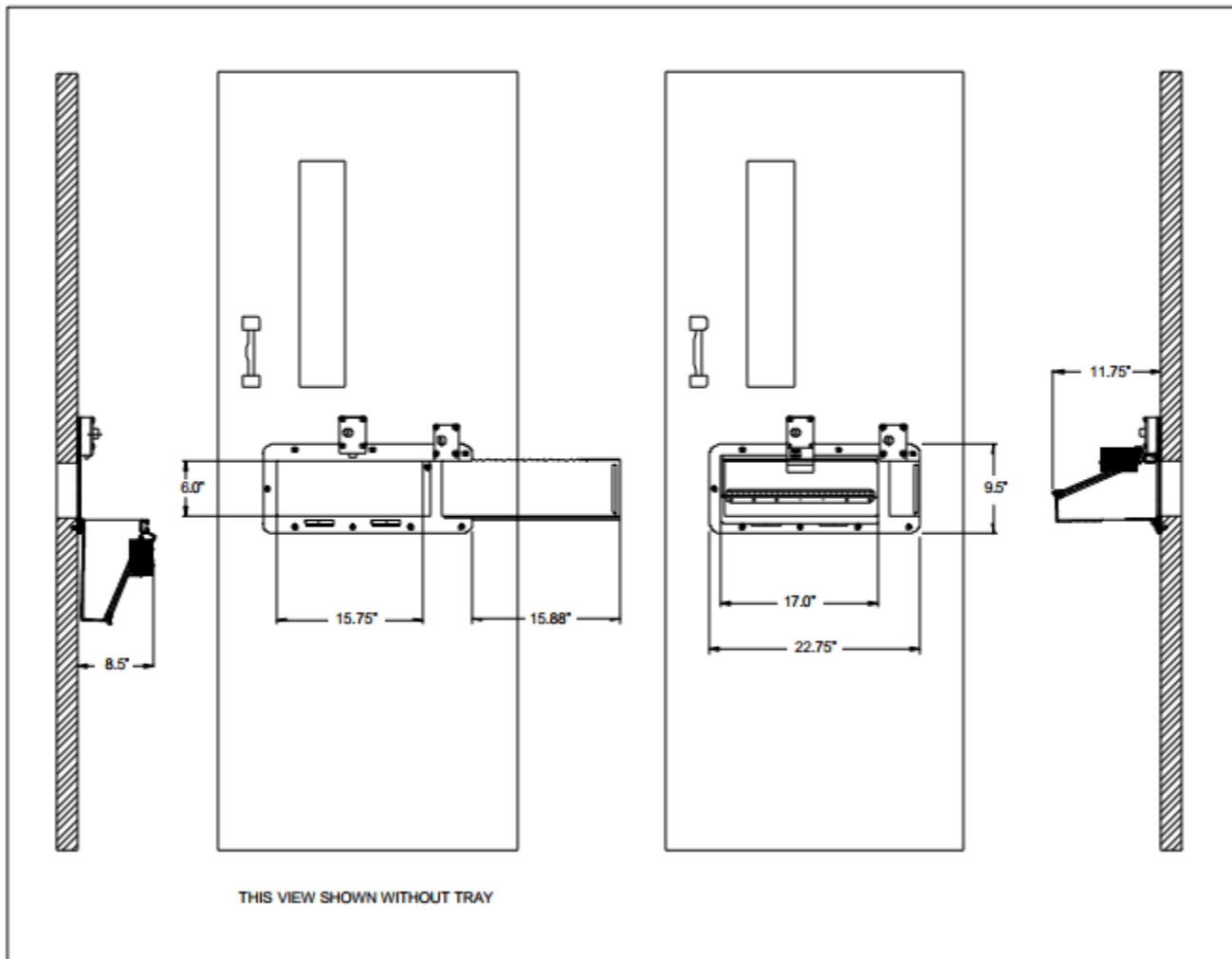
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Patented Access Control System

PASC/200 Dimensions & Specifications



Material Specifications for PACS/200 Series

Security Lock Type*	No. 17 latch - paracentric key
Tray Material	12 gage 304 stainless steel
Sliding Door Material	3/16" thick 304 stainless steel
Frame Material	1/2" thick 304 stainless steel
Cover Material	1/2" thick clear Lexan
Hinge	3/16" stainless steel piano hinge

*Other lock types including ASSA cylinders and thumb turns are available.

PACS/200 Series available in right and left hand opening models.

Custom sizes to accommodate specific food tray and/or cell door configurations available.

Frame and tray assembly available separately.

Professional installation quoted on request.



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Patented Access Control System

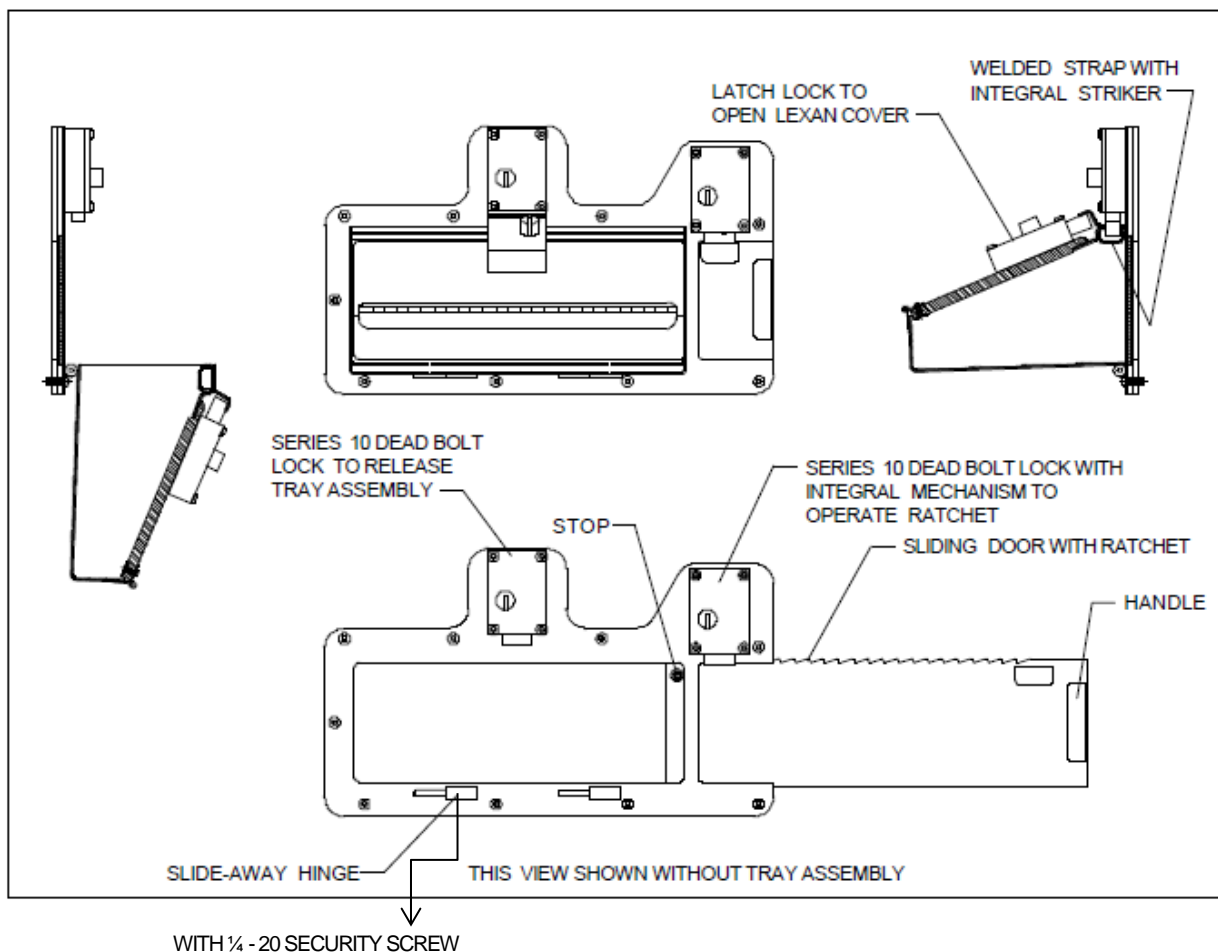
PACS/200-BOP Series - Center Mount Fixed Tray

The PACS/200-BOP Patented Access Control System Series is a center mount configuration with a tray that hinges down and can be removed to accommodate variable tray configuration. This model incorporates the features of the PACS/100-BOP with the addition of a series 10 dead bolt lock mounted to the center of the frame to secure the tray assembly.

The PACS/200-BOP enables hinged doors to be opened fully when the tray is removed, and also provides added flexibility on sliding door applications.

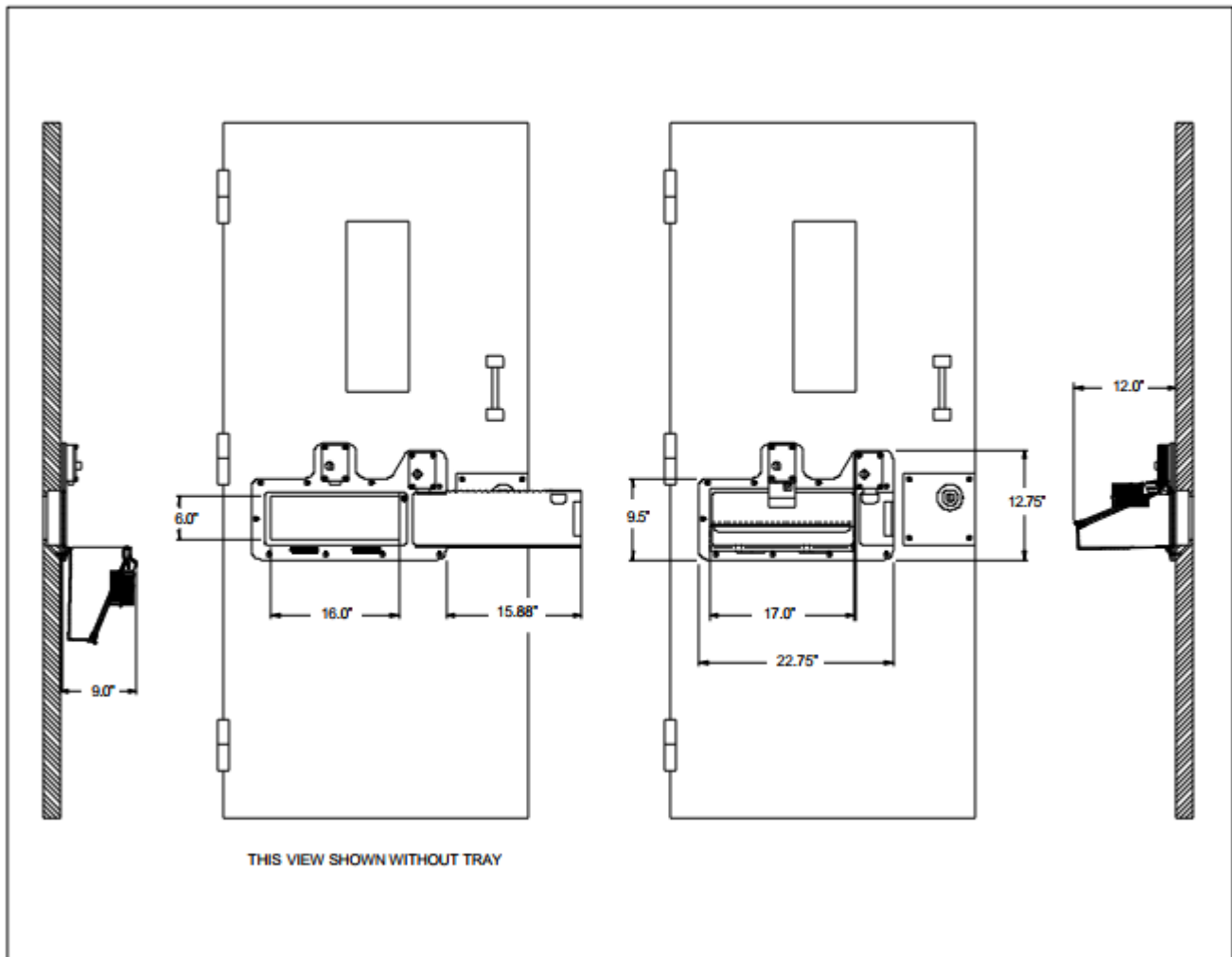
PASC/200-BOP Series Features

- Series 10 dead bolt lock in center of frame secures tray.
- Slide-away hinge enables tray to be removed quickly to accommodate variable tray configuration.
- Welded strap on tray assembly prevents inmate from tampering with the locks on the frame and Lexan cover.
- Striker for latch lock on cover is integral to the tray assembly, and Lexan cover stays closed when the tray is removed.



Patented Access Control System

PASC/200-BOP Dimensions & Specifications



Material Specifications for PACS/200-BOP Series

Security Lock Type	Series 10 dead bolt - paracentric key
Tray Material	12 gage 304 stainless steel
Sliding Door Material	3/16" thick 304 stainless steel
Frame Material	1/2" thick 304 stainless steel
Cover Material	1/2" thick clear Lexan
Hinge	3/16" stainless steel piano hinge

PACS/200-BOP Series available in right and left hand opening models.
Custom sizes to accommodate specific food tray and/or cell door configurations available.
Frame and tray assembly available separately.
Professional installation quoted on request.



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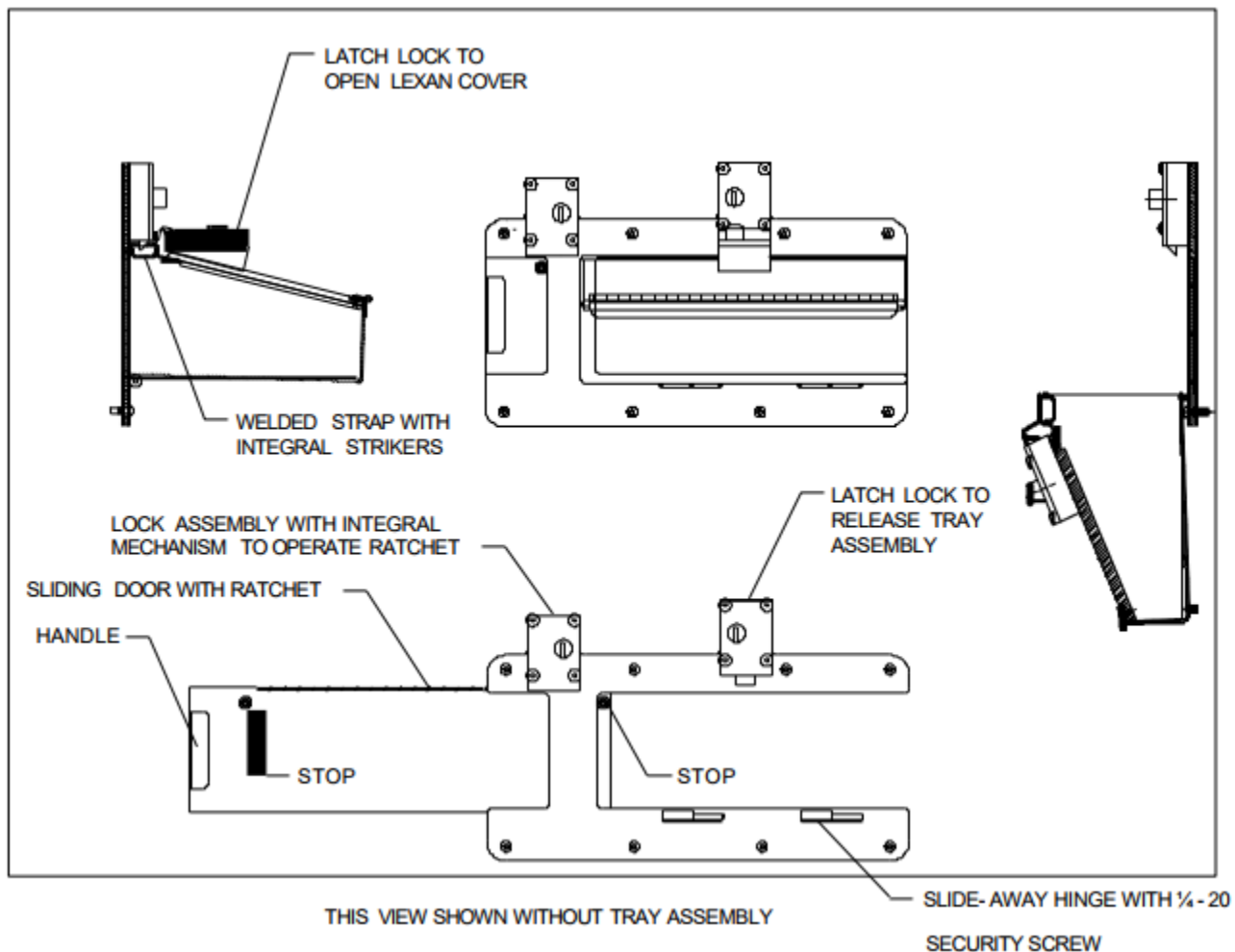


PACS/500 Series - Side Mount Removable Tray

The PACS/500 Patented Access Control System Series is a side mount configuration with a tray box that hinges and can also be removed to accommodate variable tray configuration. This model is designed for cell doors with a side cuff pass opening. The PACS/500 incorporates the same features as the PACS/100 and PACS/200 center mount units. A latch lock is mounted to the center of the frame to secure the tray assembly. The tray can be hinged down or removed to maintain control of the restraints when releasing an inmate from the cell.

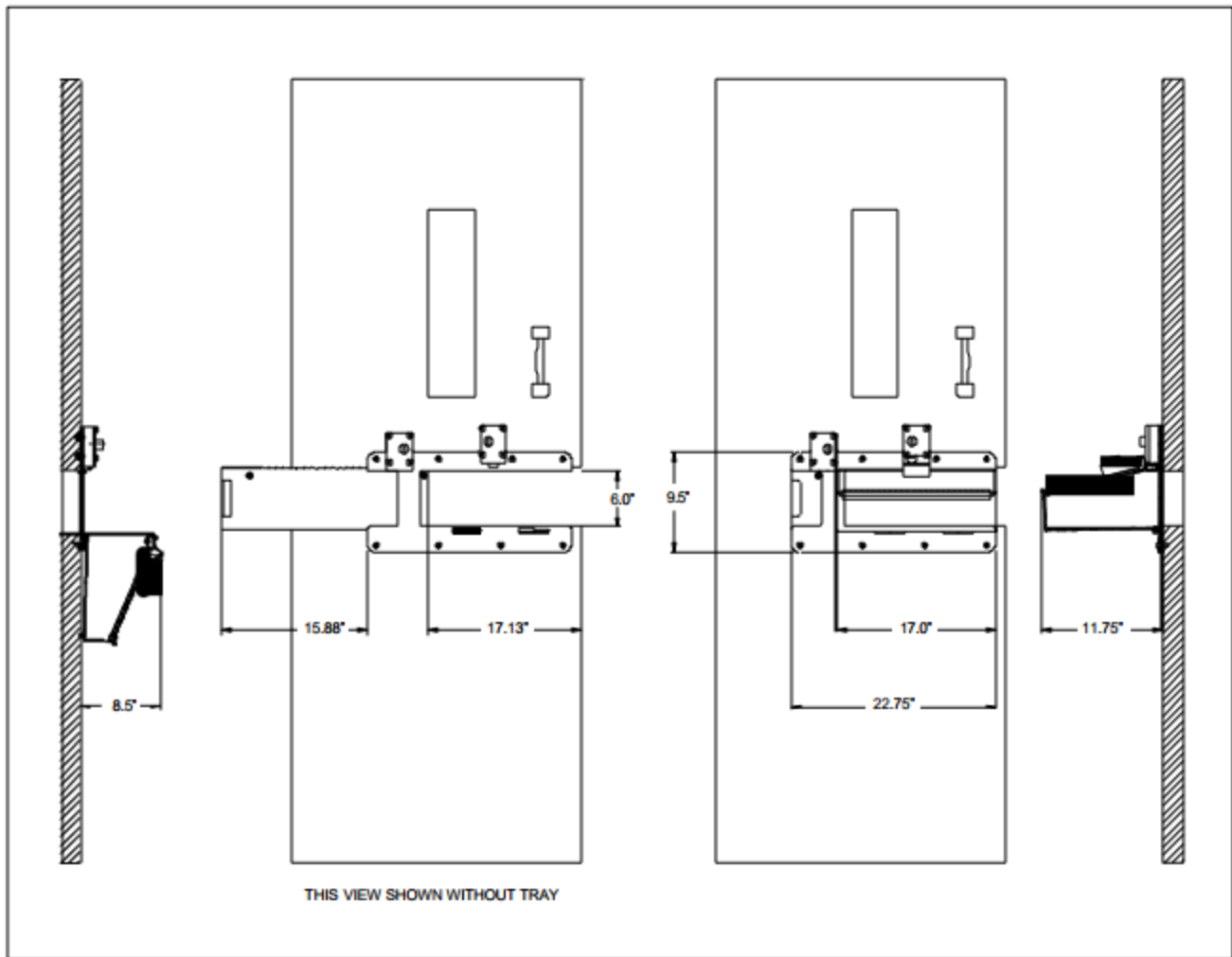
PASC/500 Series Features

- Latch lock in center of frame secures tray box.
- Slide-away hinge enables tray to be removed quickly to accommodate variable tray configuration.
- Tray assembly can be mounted and secured without a key.
- Welded strap on tray assembly prevents inmate from tampering with the latch locks on the frame and Lexan cover.
- Striker for latch lock on cover is integral to the tray assembly, and Lexan cover stays closed when the tray is removed.



Patented Access Control System

PASC/500 Dimensions & Specifications



Material Specifications for PACS/500 Series

Security Lock Type*	No. 17 latch - paracentric key
Tray Material	12 gage 304 stainless steel
Sliding Door Material	3/16" thick 304 stainless steel
Frame Material	1/2" thick 304 stainless steel
Cover Material	1/2" thick clear Lexan
Hinge	3/16" stainless steel piano hinge

*Other lock types including ASSA cylinders and thumb turns are available.

PACS/500 Series available in right and left hand opening models.

Custom sizes to accommodate specific food tray and/or cell door configurations available. Frame and tray assembly available separately. Professional installation quoted on request.



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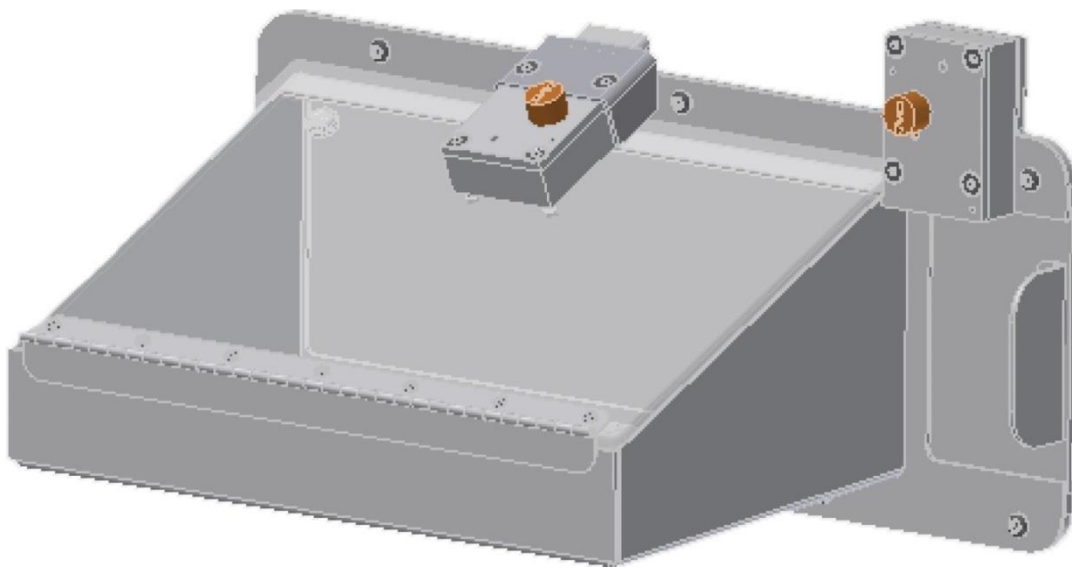


Millennium

PATENTED ACCESS CONTROL SYSTEM (PACS)

INSTALLATION INSTRUCTIONS FOR MODEL ACS / 100-2 P

Security + Safety + Savings



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Millennium Patented Access Control System Installation Procedures

Overview

Introduction

The Patented Access Control System is designed to retrofit to existing cell doors. The Patented Access Control System is mounted to the door with 5/16-18 fasteners. In most applications thread inserts (rivet nuts) are mounted into the outer skin of the cell door. On doors whose outer skin is thicker than 3/16", it is recommended that the holes drilled into the outer skin of the door be tapped, and thread inserts not used.

These installation procedures are intended as a general guideline. Due to the variety of cell door configurations, the actual installation of the Patented Access Control System may vary for different institutions.

Required Equipment and Hardware

Electric Drill/Screw Driver
Die grinder with a variety of points
Rivet nut crimping tool
Center punch
Ball peen hammer
Pocket level
Drill bits:

- 1/8" diameter for spotting
- 17/32" diameter for thread insert (rivet nut)

(8 to 10) Zinc plated steel knurled rivet nut 5/16-18 internal thread
(8 to 10) 5/16-18 x 1-1/2 long stainless steel button head Torx security fasteners
T40 driver, socket, and ratchet handle
Loc-tite thread locking compound
Cutting fluid (for drilling & tapping)
(4) "C" clamps
Sand paper and sanding block

For Tapping Holes Into Cell Door:

Letter F (.257" diameter) drill bit
5/16-18 (right hand) tap
Tap holder

IMPORTANT

- ❖ **Read this entire manual to familiarize yourself with the design and operation of the Patented Access Control System before beginning the installation.**
- ❖ **Do not separate the PACS tray/housing from the frame assembly, it will defeat the purpose, always use it together.**



Design of Patented Access Control System

The Patented Access Control System (PACS) is designed to restrict and control the access an inmate, who is housed in a punitive or administrative segregation unit, has to the space outside the cell.

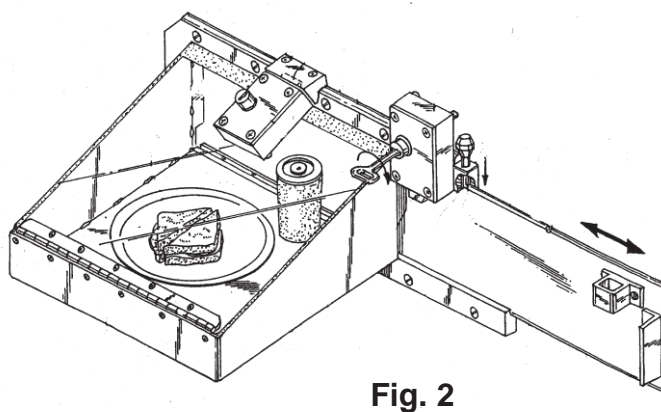
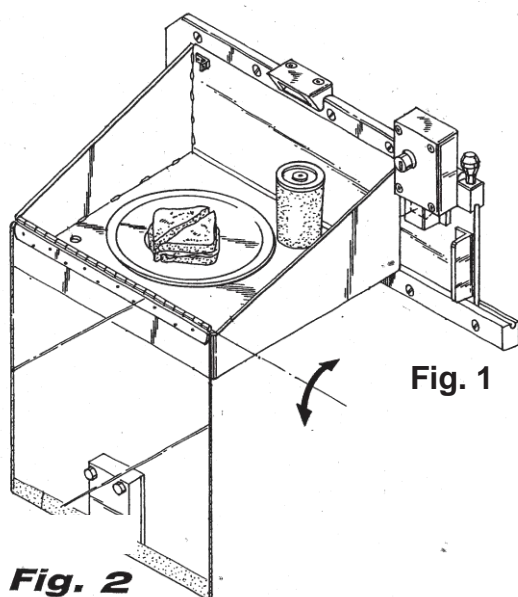
The model PACS100-2P Patented Access Control System is a center mounted fixed tray design. A latch lock with a paracentric key is used to release the ratchet mechanism on the sliding door. The ratchet mechanism on the sliding door enables the correction officer to control how far the sliding door is opened, and prevents the inmate from opening the sliding door any further.

The tray is permanently affixed (welded) to the frame assembly that houses the sliding door. A clear 1/2" thick Lexan cover closes the top of the tray and enables full view of the inside of the tray. A #17 latch lock with a paracentric key is used to secure the Lexan cover.

The entire unit is constructed from heavy gage stainless steel for durability and easy maintenance.

Basic Operation

With the sliding door closed, the hinged Lexan cover is opened by inserting the paracentric key and turning the key to release the latch lock mounted to the cover. The item(s) to be passed to the inmate is then placed inside the tray. The cover is closed to lock the latch lock. This effectively restricts the inmate's access to the space outside the cell while retrieving the item(s) in the tray. See Figure 1.



With the Lexan cover closed, the correction officer releases the sliding metal door by inserting the paracentric key into the latch lock on the frame, and turning the key. While the key is turned, the sliding door can be opened to give the inmate access to the item(s) inside the tray. See Figure 2.

The paracentric key is not required to close the sliding door. To close the sliding door, simply slide the door until it is closed.



Installation Procedures

1.0 Preparing Cell Door

- 1.1 Remove the existing food pass door including it's hinges and the latch lock.
- 1.2 Make sure the mounting surface on the front face of the door is smooth. Use a sanding block to remove any excess paint or to smooth out burrs on the mounting holes from the existing food pass and latch lock.

2.0 Laying Out Mounting Holes

- 2.1 To establish the correct location for drilling the mounting holes, mount the PACS unit (with the sliding door open) to the cell door with (4) "C"clamps.
Note: Align the bottom edge of the opening in the PACS unit with the bottom edge of the food slot in the cell door. Also align the solid edge of the PACS unit (the side opposite the sliding door) with the side edge of the food slot in the cell door.
- 2.2 Place a pocket level on the top edge of the frame and make any necessary adjustments so that the unit is not only aligned with the bottom and side edges of the Access slot, but is level as well.
- 2.3 Accurately mark the center of each mounting hole.
- 2.4 Once all mounting holes are marked, remove the PACS unit from the cell door.
- 2.5 Prepare to drill the mounting holes by center punching each marked hole location.

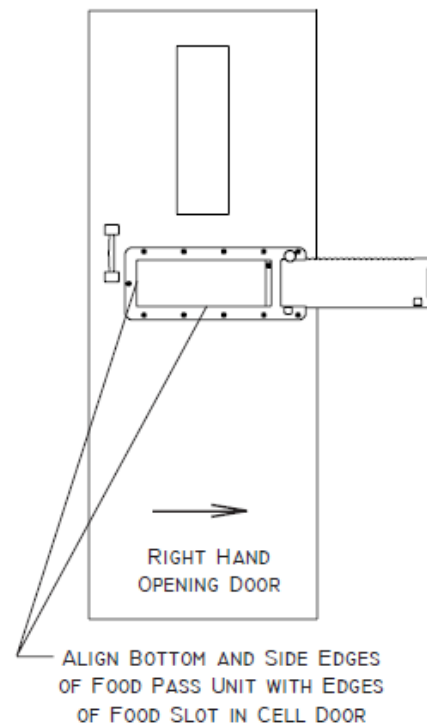


WARNING

Make sure the front surface of the door is smooth and there are no obstructions that would prevent the PACS unit from sitting flush on the face of the door.

IMPORTANT

Align the bottom edge of the opening in the PACS unit with the bottom edge of the food slot in the cell door. Also align the solid edge of the PACS unit (the side opposite the sliding door) with the side edge of the food slot in the cell door.



3.0 Drilling Mounting Holes

- 3.1 Spot drill all mounting holes with a 1/8" drill bit. Make sure to drill completely through the front skin of the cell door.

For Thread Inserts (Rivet Nuts):

- 3.2 After all mounting holes have been spot drilled, drill through the outer skin of the cell door with the 17/32" drill.
- 3.3 Before inserting the thread inserts, use a die grinder to deburr the edges of the holes drilled into the outer skin of the cell door. Also use the die grinder to clear out any internal ribs that may prevent the thread inserts from sitting flush with the front face of the door.

For Tapping Cell Door:

- 3.2 After all mounting holes have been spot drilled, drill through the outer skin of the cell door with the letter F drill.
- 3.3 With the 5/16-18 tap mounted in a tap holder, tap each mounting hole making certain the tap is perpendicular to the front face of the door to assure the threads will be straight.

4.0 Installing Thread Inserts (Rivet Nuts)

- 3.1 Using the rivet nut crimping tool, install a thread insert into each mounting hole.

5.0 Mounting The PACS Unit

- 5.1 Apply a small amount of thread sealing compound to each thread insert or tapped hole in the cell door.
- 5.2 Mount the PACS unit to the cell door with the 5/16-18 security screws. Do not fully tighten the mounting screws yet.
- 5.3 Place a pocket level on the top surface of the frame and make any necessary adjustments to level the PACS unit.
- 5.3 Next make sure the PACS unit is sitting flush with the front face of the cell door, and that the sliding door opens and closes freely without interference.
- 5.4 Once you have verified the unit is mounted properly and the sliding door opens freely, tighten all mounting screws.



WARNING

Only drill through the front skin of the cell door. Do not drill through the inner skin of the door.

IMPORTANT

Make sure the head of the thread insert is sitting flush with the face of the cell door before crimping.



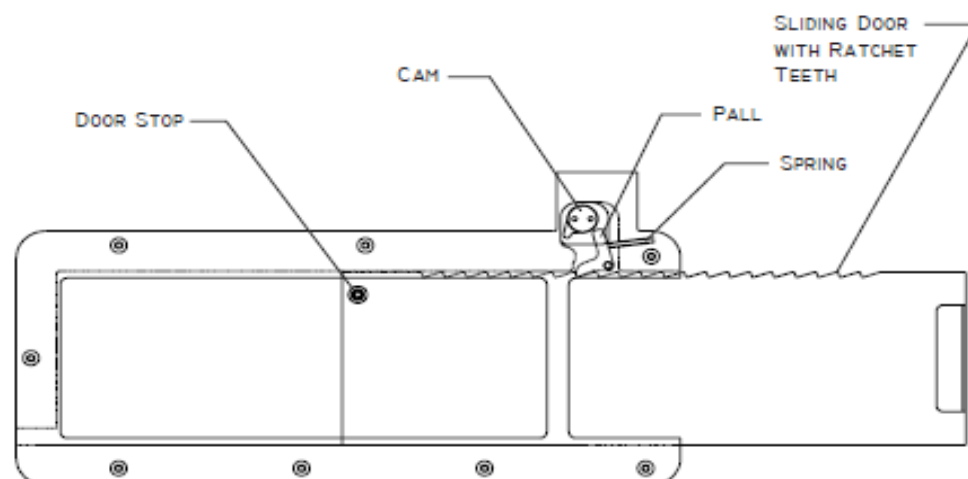
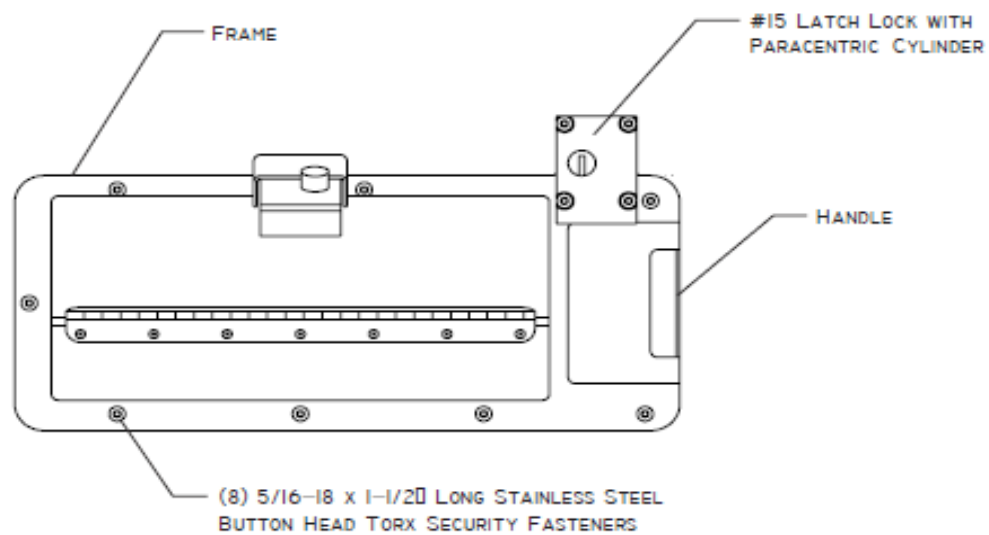
WARNING

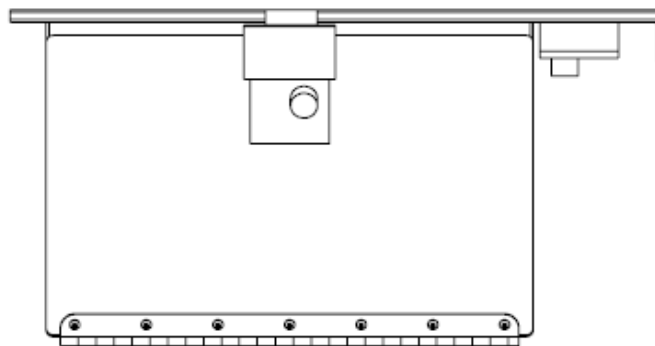
Make sure the PACS unit is sitting flush on the front face of the cell door, and that the sliding door opens and closes freely without interference.

IMPORTANT

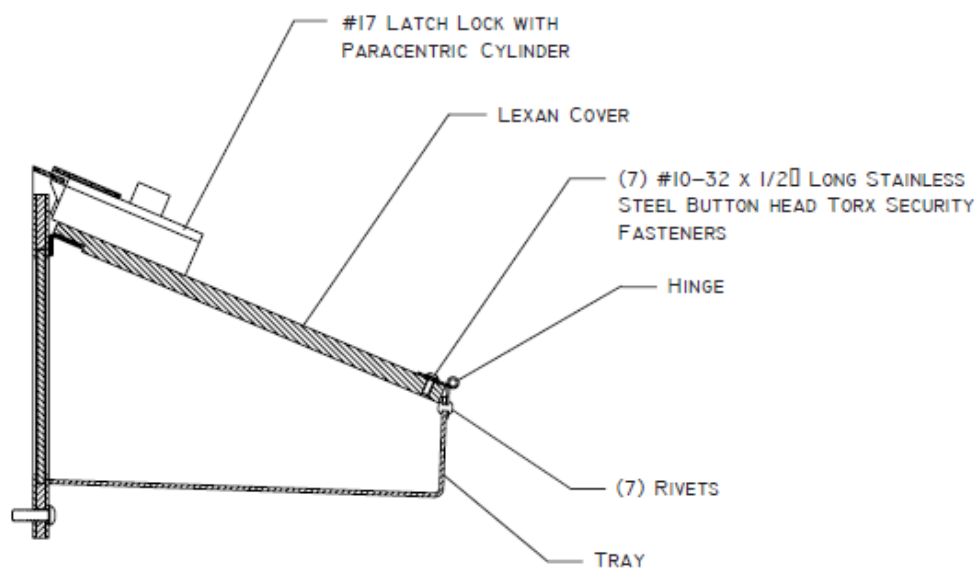
Tighten all mounting screws to a torque of 20 to 25 ft-lb.







TOP VIEW – SLIDING DOOR CLOSED



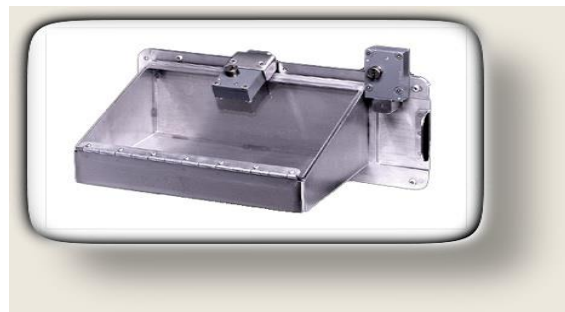
SIDE VIEW



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