

AD Systems Sliding Door Opening Force

Under ADA guidance, the force needed to open a door is less than 5 pounds of force, with the exception of the initial resistance of a door in a latched position. Our design has been tested to demonstrate that the opening force averages below 5 pounds for a door up to 220 pounds once the initial resistance to disengage the soft close damper is overcome.

The initial force to open the door can vary based on weight of the door. Our systems including doors under 176.4lbs (80kg) take less than 10 pounds of force. Doors up to 220lb (100kg) may vary from 10-14lb of force to initiate motion.

The 2010 ADA Standards for Accessible Design read as follows in addressing this matter:

"Advisory 404.2.9 Door and gate opening force. The maximum force pertains to the continuous application of force necessary to fully open a door, not the initial force needed to overcome the inertia of the door. It does not apply to the force required to retract bolts or to disengage other devices used to keep the door in a closed position."





AD Systems ExamSlide™ was specifically designed to meet the rigorous demands of today's lean healthcare medical facilities. Constructed with the highest quality, commercial grade hardware and precision engineered framing system to provide years of trouble-free service.

ADA-compliant operation, along with 'soft-close' technology, ensure that patients of all ages and abilities can easily open and close the door. AD Systems offers standard perimeter gasketing and the potential for acoustic mitigation on all four sides with our optional patent pending automatic drop seal, providing the best possible noise reduction to maintain speech privacy standards.





Standard Features

AD SYSTEMS EXAMSLIDE™ STANDARD FEATURES:

- Space-saving design saves up to 30 sq ft, when compared to a swing door
- Heavy-duty, top-hung roller system for smooth, maintenance-free operation
- Concealed floor guide no exposed floor track
- Optional patent pending acoustic mitigation on all four sides of the door to achieve speech privacy (NIC 39); three side perimeter gasket standard
- ADA-compliant operation
- · Soft-close dampening system prevents slamming
- Easy to clean aluminum frame system wraps and protects wall construction

HARDWARE OPTIONS:

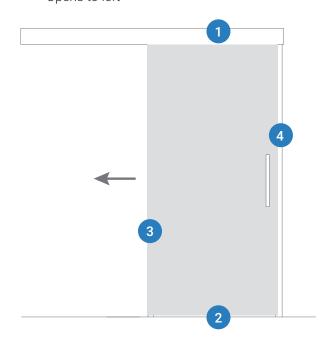
- ADA thumb turn lock with occupancy indicator
- ADA self-latching mortise with thumb turn and egress handle
- Key lock
- Magnetic lock for integration with key card access control

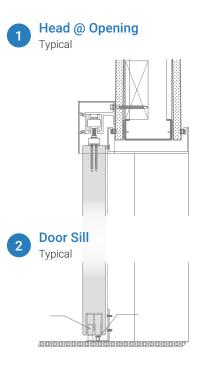
1-3/4 DOOR OPTIONS:

- Flush wood door
- Flush laminate door
- Wood stile and rail door with glass vision lite
- Glass units with integral blinds or louvers
- Lead shielding doors and glazing for X-Ray rooms

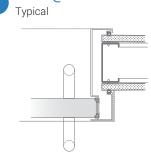
ELEVATION VIEW

Opens to left













The AD Systems Hardware Selection Guide is designed to assist architects and other specifiers with the selection of hardware for AD Systems sliding doors. All AD Systems products come configured with soft closer rolling systems, designed to softly close the doors and keep the doors in a closed position (in most cases negating the need for a secondary latch unless desired for privacy, security or due to secondary code requirement for a positive latch).

	KEY LOCKS						
HARDWARE GROUP	DESCRIPTION	ТҮРЕ	LOCK COMPATABILITY	USER FUNCTION	PRODUCT ILLUSTRATION		
AD-1	AD-1 - Thumbturn with Key Lock & 16 inch BTB Ladder Pull	Keyed Lock with Dead Bolt Thumbturn	5 pin construction cylinder SFIC 6 pin, SFIC 7 pin LFIC	User turns key from outside to lock or unlock door. User grasps fixed handle on outside to slide door open. User grasps fixed handle inside to slide door closed. User locks door inside by turning thumbturn. User turns thumbturn inside to unlock door. User grasps fixed handle on inside to slide door open.	Thumblum Part # HOW0014 Cylinder Ring Part # HOW0015 Cylinder Ring Part # HOW0015 Cylinder Ring Part # HOW0013 Amortise Lockset Part # HOW0012		
AD-1B	AD-1B - No Thumbturn with Key Lock & 16 inch BTB Ladder Pull (NO EGRESS FROM INSIDE IF LOCKED FROM OUTSIDE)	Keyed Lock with Dead Bolt Thumbturn	5 pin Schlage C Keyway SFIC LFIC	User turns key from outside to lock or unlock door. User grasps fixed handle on outside to slide door open. User grasps fixed handle inside to slide door closed. Door does not lock from inside. User grasps fixed handle on inside to slide door open.	Cylinder Ring Part # HOW0015 Mortise Lockset Part # HOW0012		



HARDWARE GROUP AD-1C - BTB Key Lock & 16 inch BTB Ladder Pull AD-1C - BTB Key Lock & 16 inch BTB Ladder Pull AD-1C - BTB Key Lock & 16 inch BTB Ladder Pull AD-1C - BTB Key Lock & 16 inch BTB Ladder Pull AD-1C - BTB Key Lock & 16 inch BTB Ladder Pull AD-1C - BTB Key Lock & 16 inch BTB Ladder Lock with Dead Bolt Lock wit		KEY LOCKS							
& 16 inch BTB Ladder Pull Keyway SFIC LFIC Keyway SFIC User grasps fixed handle on outside to slide door open. User grasps fixed handle inside to slide door closed. User locks door inside by turning key. User turns key inside to unlock door. User grasps fixed handle on inside to slide door open. PRIVACY LOCKS (BY THUMBTURN)		DESCRIPTION	ТҮРЕ		USER FUNCTION	PRODUCT ILLUSTRATION			
	AD-1C	& 16 inch BTB Ladder	-	Keyway SFIC	or unlock door. User grasps fixed handle on outside to slide door open. User grasps fixed handle inside to slide door closed. User locks door inside by turning key. User turns key inside to unlock door. User grasps fixed handle on inside to slide door	Cylinder Part # HOWO015 Cylinder Ring Part # HOWO013 Orlinder Ning Part # HOWO013 Orlinder Ning Part # HOWO013 Mortise Lockset			
*AD Systems "thumbturns" do not require pinching, twisting or grasping or special knowledge to operate.									

HARDWARE GROUP	DESCRIPTION	ТҮРЕ	LOCK COMPATABILITY	USER FUNCTION	PRODUCT ILLUSTRATION
AD-2	AD-2 - Thumbturn with Indicator & 16 inch BTB Ladder Pull	Privacy	No Key Option	User grasps fixed handle from outside to slide door open. User grasps fixed handle inside to slide door closed. User locks or unlocks door from inside by turning thumbturn, and indicator on outside shows room is occupied. User grasps fixed handle from inside to slide door open. Coin override allows unlock from outside in event of emergency.	Cocupancy Indicator Indicator Indicator Size Indica



	SELF LATCHING / POSITIVE LATCHING						
HARDWARE GROUP	DESCRIPTION	ТҮРЕ	LOCK COMPATABILITY	USER FUNCTION	PRODUCT ILLUSTRATION		
AD-9	AD-9 - Self Latching Single Egress Thumbturn with Key Lock	Self Latching Keyed Lock	5 pin cylinder 6 pin cylinder SFIC LFIC	Upon door closing the latch will automatically engage. User turns key from outside to lock or unlock door. User pulls lever from outside to slide door open. User pulls lever from inside to slide door closed. User locks door inside by turning thumbturn. User rotates lever from inside to automatically release lock (single action egress). User slides door open.	CLOPER CAM (SC19) 13.8° IC MORTISE HOUSING (CLMs) 10. MORTISE HOUSING (CLMs) 11.0°		
AD-9A	AD-9A: Self Latching Single Egress Thumbturn with Indicator	Self Latching Privacy	5 pin Schlage C Keyway SFIC LFIC	Upon door closing the latch will automatically engage. User pulls lever from outside to slide door open. User pulls lever from inside to slide door closed. User locks door inside by turning thumbturn. User rotates lever from inside to automatically release lock (single action egress). User slides door open.	LOCK SET IN PROSE FRONT SDE		



	SINGLE ACTION EGRESS						
HARDWARE GROUP	DESCRIPTION	ТҮРЕ	LOCK COMPATABILITY	USER FUNCTION	PRODUCT ILLUSTRATION		
AD-9	AD-9 - Self Latching Single Action Egress Thumbturn with Key Lock	Self-Latching Keyed Lock	5 pin cylinder 6 pin cylinder SFIC LFIC	Upon door closing the latch will automatically engage. User turns key from outside to lock or unlock door. User pulls lever from outside to slide door open. User pulls lever from inside to slide door closed. User locks door inside by turning thumbturn. User rotates lever from inside to automatically release lock (single action egress). User slides door open.	COVER CM (SC19) 1 3/8" IC MORTISE HOUSING (ICMS) PHOWOOIS IR ROSE FRONT SIDE		
AD-9A	AD-9A - Self Latching Single Egress Thumbturn with Indicator	Self Latching Privacy	5 pin Schlage C Keyway SFIC LFIC	Upon door closing the latch will automatically engage. User pulls lever from outside to slide door open. User pulls lever from inside to slide door closed. User locks door inside by turning thumbturn. User rotates lever from inside to automatically release lock (single action egress). User slides door open.	BACKSET O O IR ROSE FRONT SDE		



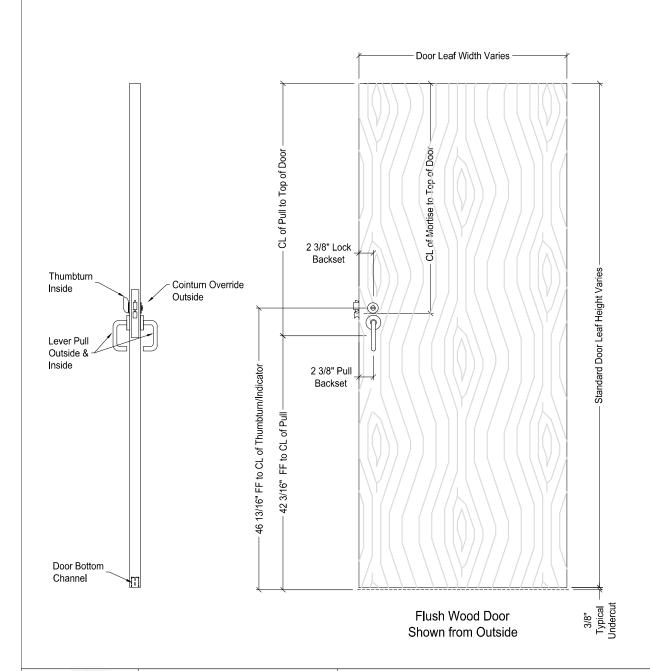
			BI-PARTIN	G PAIR DOORS	
HARDWARE GROUP	DESCRIPTION	ТҮРЕ	LOCK COMPATABILITY	USER FUNCTION	PRODUCT ILLUSTRATION
AD-2	AD-2 Bi-Parting - Thumbturn with Indicator & 16 inch BTB Ladder Pull	Privacy		User grasps fixed handle from outside to slide door open. User grasps fixed handle inside to slide door closed. User locks or unlocks door from inside by turning thumbturn, and indicator on outside shows room is occupied. User grasps fixed handle from inside to slide door open. Coin override allows unlock from outside in event of emergency.	Cocupancy Indicator Adapter Sieeve Installed on Indicator side FUNCTION DESCRIPTION: Upon door close, User to rotate Thumblum 1/4" turn to lock. To Open: User to rotate Thumblum 1/4" turn in opposite direction to unlock, then pull door open. No Pinching, Twisting or Grasping required. THUMBTURN WITH OCCUPANCY INDICATOR (HDW0017) ADAPTER SLEEVE (HDW0075) MORTISE (HDW0016)
AD-1	AD-1 Bi-Parting - Thumbturn with Key Lock & 16 inch BTB Ladder Pull	Privacy	5 pin construction cylinder SFIC 6 pin, SFIC 7 pin LFIC	User turns key from outside to lock or unlock door. User grasps fixed handle on outside to slide door open. User grasps fixed handle inside to slide door closed. User locks door inside by turning thumbturn. User turns thumbturn inside to unlock door. User grasps fixed handle on inside to slide door open.	Thumblum Part is 10W0014 Cylinder Part is 10W0015 Cylinder Part is 10W0015 Cylinder Part is 10W0015 Cylinder Part is 10W0013

FUNCTION: DIRECTION: OPEN RIGHT

FUNCTION: Lock with Cointurn Override & Thumbturn with Levers (Privacy)

User rotates lever from outside to slide door open. User rotates lever from inside to slide door closed. User locks door inside by turning thumbturn. User rotates lever from inside to automatically release lock (single action egress). User slides door open with lever.

Coin override allows unlock from outside in event of emergency.





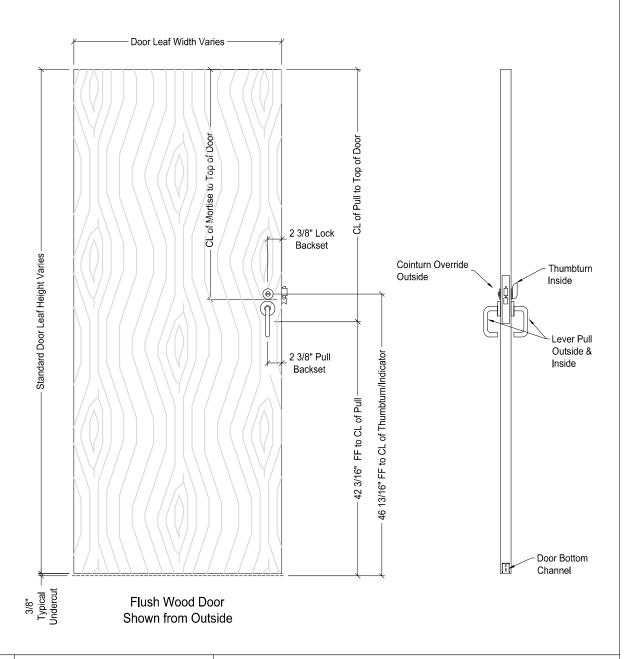
Innovation behind every door www.specADsystems.com 1.425.374.1360 Hardware Group: AD6440
BTB Lever Pulls
Lock with Cointurn Override & Thumbturn
Sliding Aluminum Stile & Rail Door

FUNCTION: DIRECTION: OPEN LEFT

FUNCTION: Lock with Cointurn Override & Thumbturn with Levers (Privacy)

User rotates lever from outside to slide door open. User rotates lever from inside to slide door closed. User locks door inside by turning thumbturn. User rotates lever from inside to automatically release lock (single action egress). User slides door open with lever.

Coin override allows unlock from outside in event of emergency.





Innovation behind every door www.specADsystems.com 1.425.374.1360 Hardware Group: AD6440
BTB Lever Pulls
Lock with Cointurn Override & Thumbturn
Sliding Aluminum Stile & Rail Door

ASSEMBLY NOTES:

- 1. DOOR LEAFS ARE SHIPPED ASSEMBLED, EXCEPT FOR HARDWARE.
- 2. FRAMING COMPONENTS ARE SHIPPED "K D".
- HORIZONTAL COMPONENTS ARE CUT AS DRAWN.
 VERTICAL COMPONENTS ARE CUT 2" LONG. FIELD CUT ONLY FROM BOTTOM OF COMPONENT.
- UNLESS OTHERWISE INDICATED, THE VERTICAL COMPONENTS CAN BE CUT TO EXACT LENGTH IF GUARANTEED DIMENSIONS ARE PROVIDED.

ATTENTION CUSTOMER:

TO ENSURE THE ACCURACY OF YOUR DOOR MACHINING, PLEASE READ AND UNDERSTAND THE DOOR HANDING INFORMATION BELOW. IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT YOUR AD SYSTEMS PROJECT MANAGER.

DOOR IS ALWAYS VIEWED FROM VALANCE SIDE FOR HANDING PURPOSES.

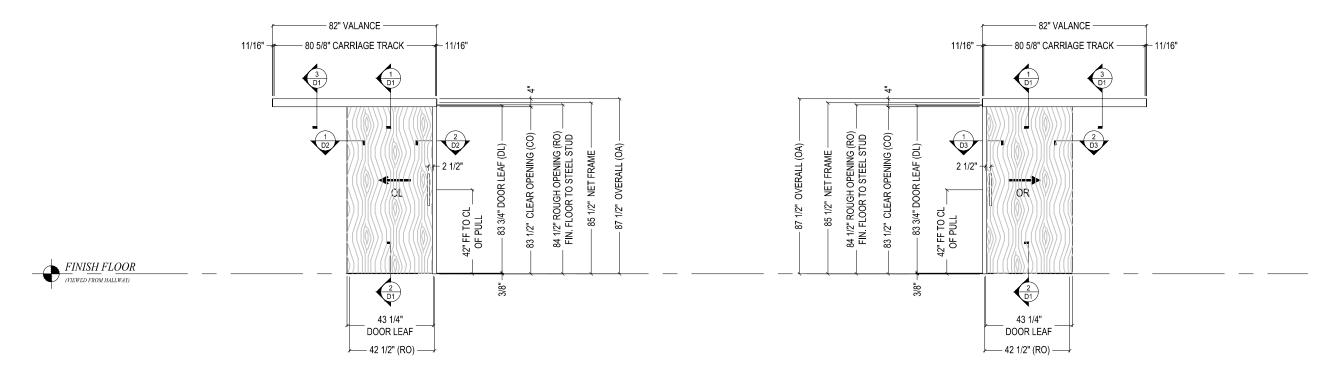
STANDARD LAYOUT SHOWS VALANCE SIDE IS OUTSIDE & NON VALANCE SIDE IS ROOM SIDE. $"OL" = OPEN \ LEFT$

"OR" = OPEN RIGHT

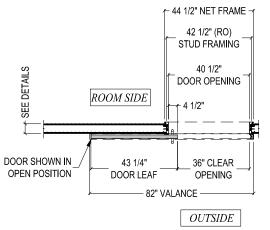
STANDARD HARDWARE CONFIGURATIONS: (IF EQUIPPED)

THUMB-TURN LEVER ALWAYS ON ROOM SIDE AND KEYED CYLINDER ALWAYS ON VALANCE SIDE *

* ANY DOOR THAT IS TO BE CONFIGURED OPPOSITE OF THE STANDARDS ABOVE MUST BE INDICATED BY AN "R" FOR REVERSE.
"OL-R" = OPEN LEFT - REVERSE "OR-R" = OPEN RIGHT - REVERSE



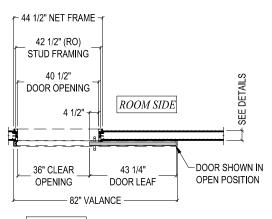
(1) REQ'D THUS (E1LEFT OPEN



PLAN AT E1 LEFT OPEN

36" CLEAR OPENING

(1) REQ'D THUS RIGHT OPEN



OUTSIDE

PLAN AT E2 RIGHT OPEN

AD SYSTEMS HIGH PERFORMANCE BARN DOORS

FLUSH WOOD SINGLE SLIDER - ELEVATIONS & DETAILS

LOCKS
BOTTOM TRACK WITH FIXED SILL GUIDE
ACOUSTIC BOTTOM TRACK SEAL WITH
ADJUSTABLE SILL GUIDE

OPTIONS:• 1"DIA. BACK TO BACK LADDER PULLS

2201 100th Street SW Everett, WA 98204 425.374.1360 1.855.328.6011

www.specADsystems.com ELEVATION

DATE: 10/2016 SCALE: 1/4" = 1'-0" DRAWN: CT

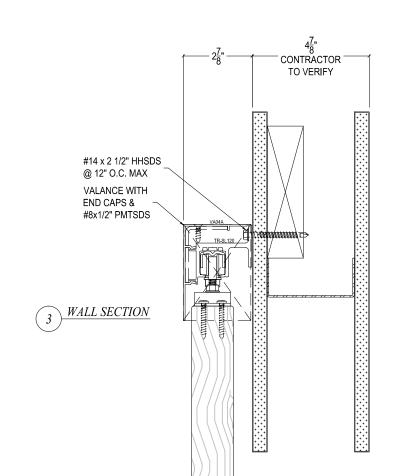
SHEET NUMBER

36 IN CO

#10x1 PFHS &

#10x1 ANCHOR

FINISH FLOOR TOP OF FLOOR COVER



AD SYSTEMS HIGH PERFORMANCE BARN DOORS

FLUSH WOOD SINGLE SLIDER - ELEVATIONS & DETAILS

OPTIONS:
1"DIA. BACK TO BACK LADDER PULLS
LOCKS
BOTTOM TRACK WITH FIXED SILL GUIDE
ACOUSTIC BOTTOM TRACK SEAL WITH ADJUSTABLE SILL GUIDE

FLUSH WOOD SINGLE SLIDER - ELEVA
CLEAR OPENING WIDTHS SHOWN: 36"
JAMB SYSTEM AVAILABLE: 47/8"

EVERTEMS

2201 100th Street SW

Everett, WA 98204

425.374.1360

1.855.328.6011

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DETAILS

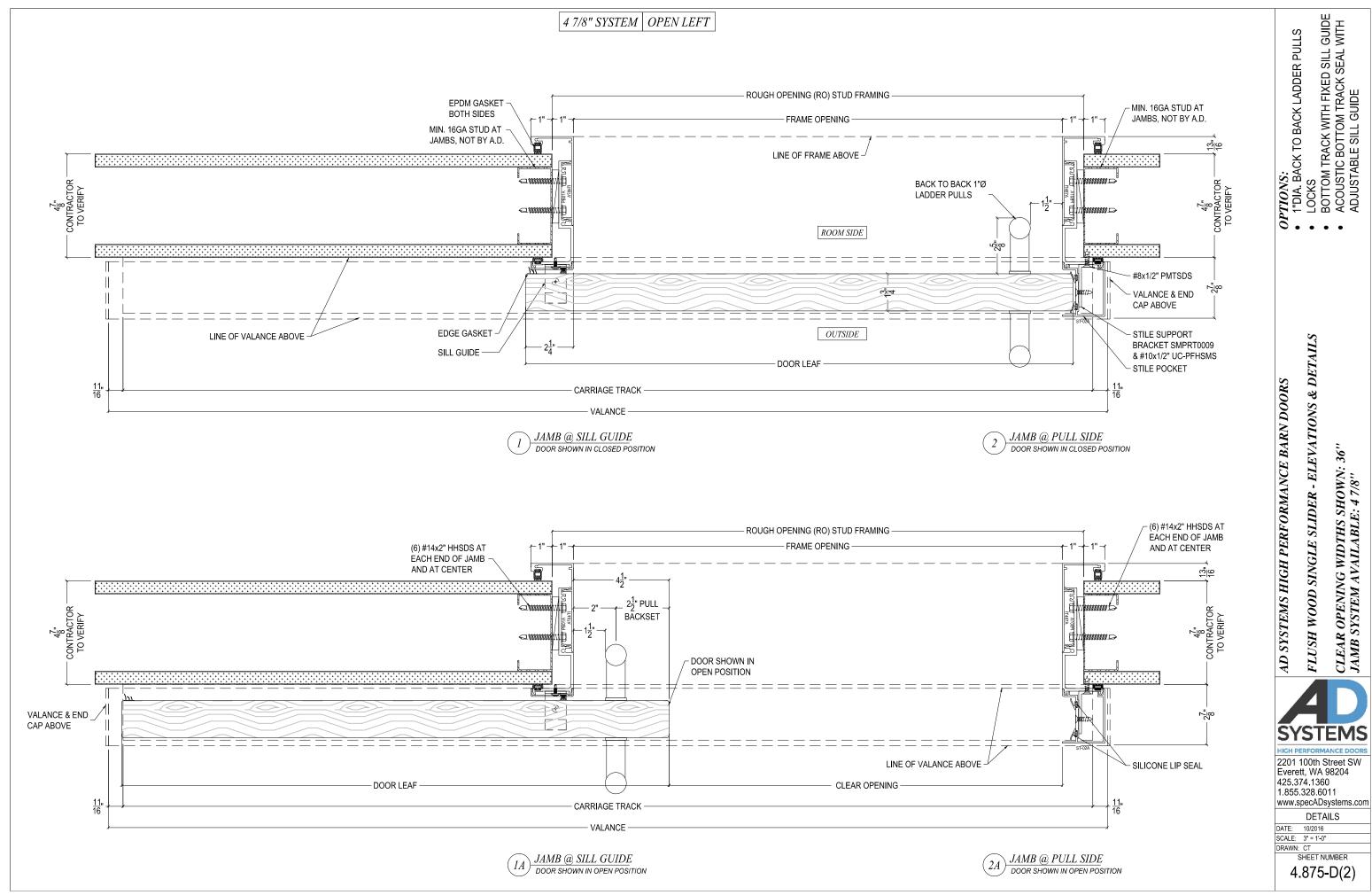
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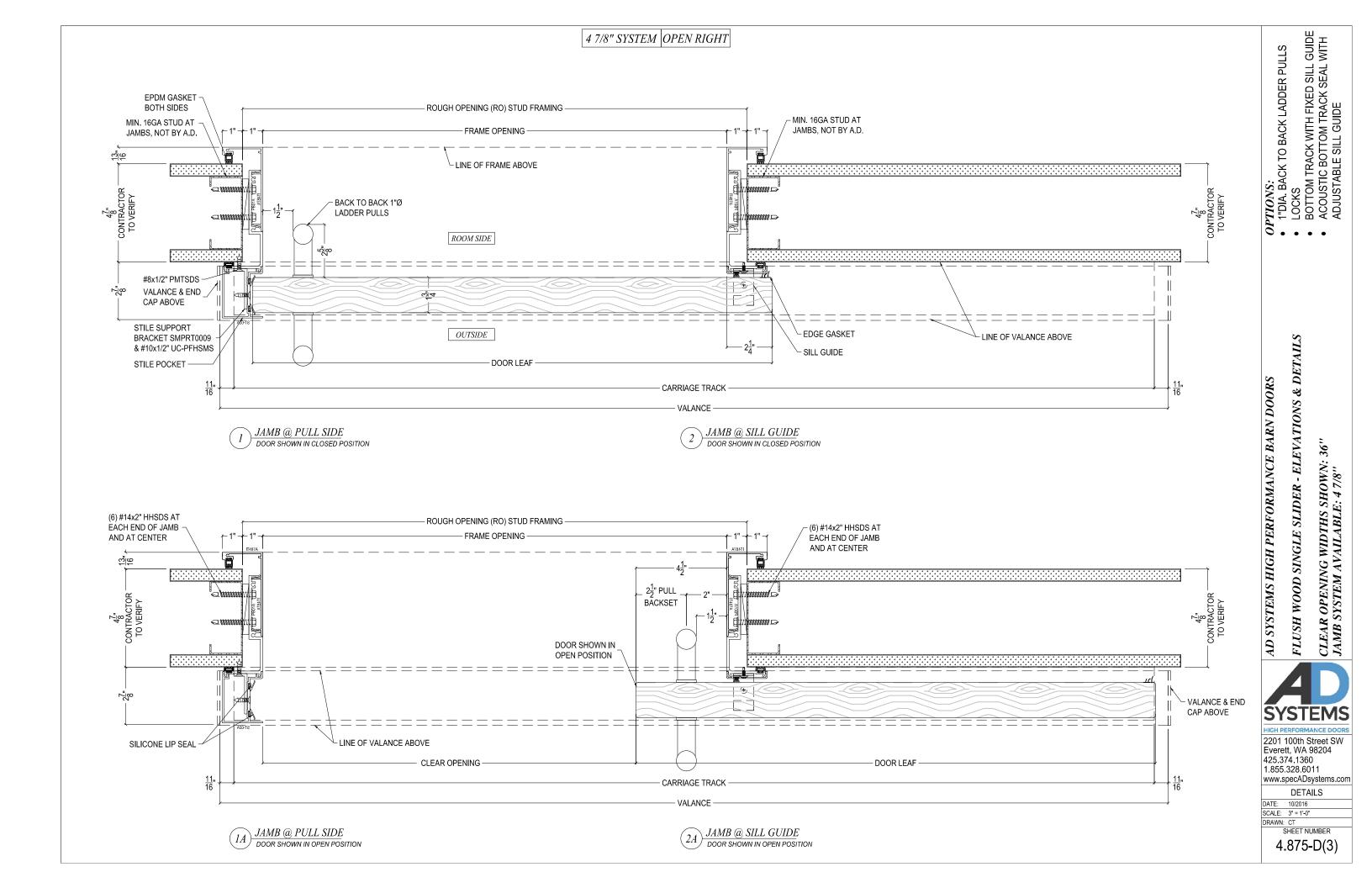
DATE: 10/2016

SCALE: 3" = 1'-0"

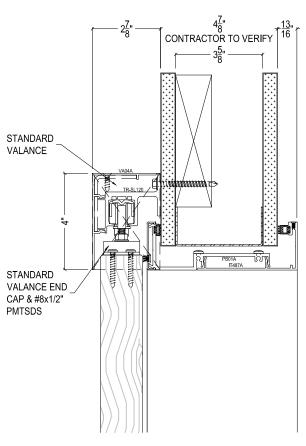
DRAWN: CT SHEET NUMBER

4.875-D(1)

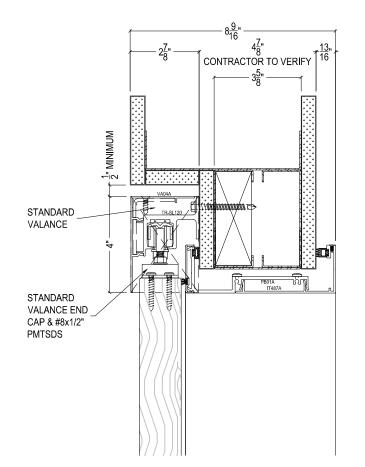




4 7/8" SYSTEM WALL FRAMING OPTIONS



STANDARD WALL CONSTRUCTION



OPTIONAL WALL CONSTRUCTION TO GIVE "FLUSH LOOK"

AD SYSTEMS HIGH PERFORMANCE BARN DOORS

FLUSH WOOD SINGLE SLIDER - ELEVATIONS & DETAILS

OPTIONS:
1"DIA. BACK TO BACK LADDER PULLS
LOCKS
BOTTOM TRACK WITH FIXED SILL GUIDE
ACOUSTIC BOTTOM TRACK SEAL WITH ADJUSTABLE SILL GUIDE

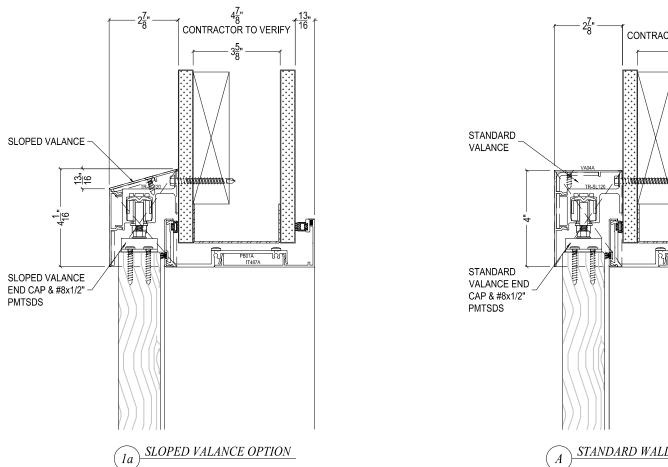
CLEAR OPENING WIDTHS SHOWN: 36" JAMB SYSTEM AVAILABLE: 47/8"

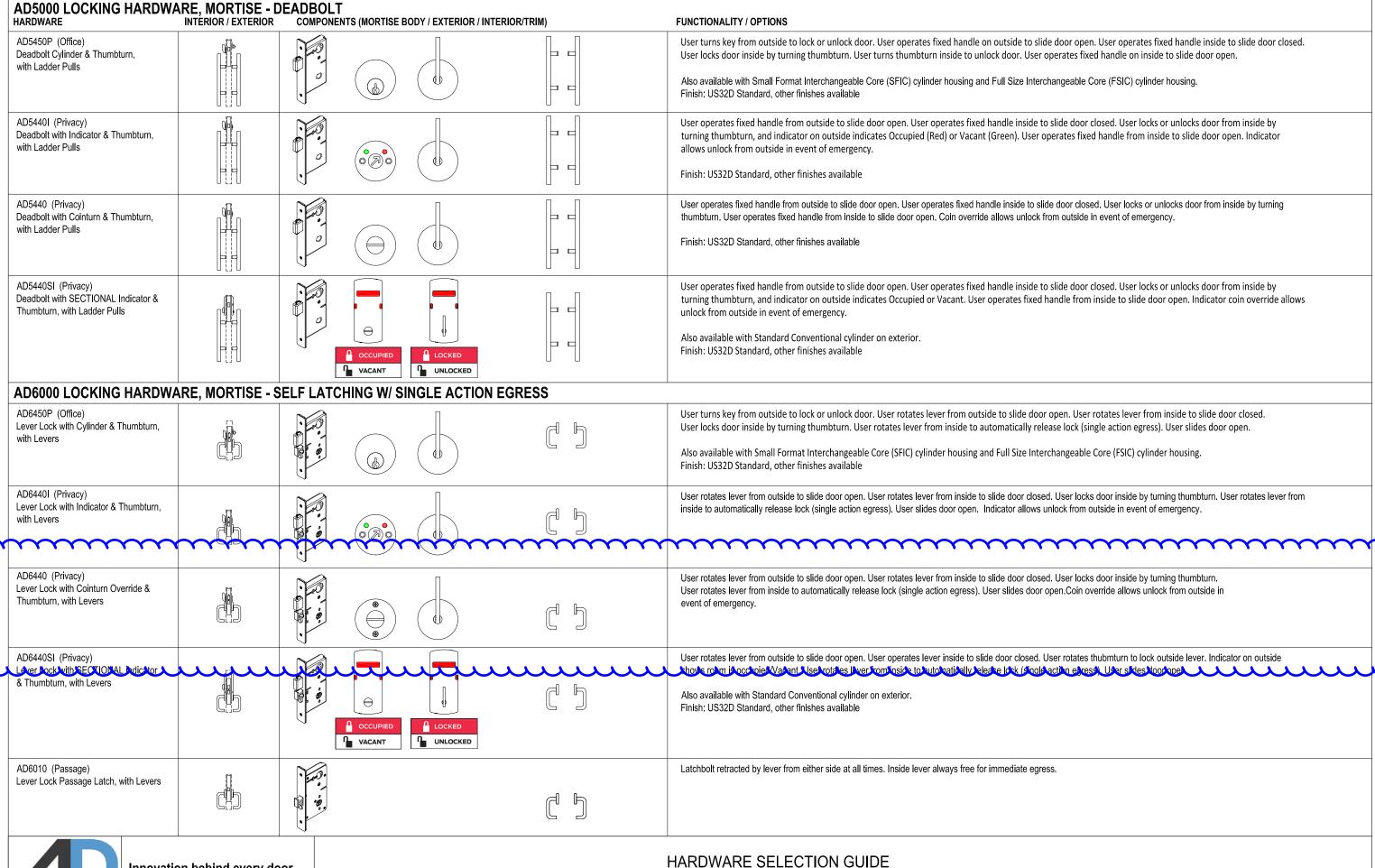
2201 100th Street SW Everett, WA 98204 425.374.1360 1.855.328.6011 www.specADsystems.com

DETAILS

DATE: 10/2016 SCALE: 3" = 1'-0"

DRAWN: CT SHEET NUMBER 4.875-D(4)

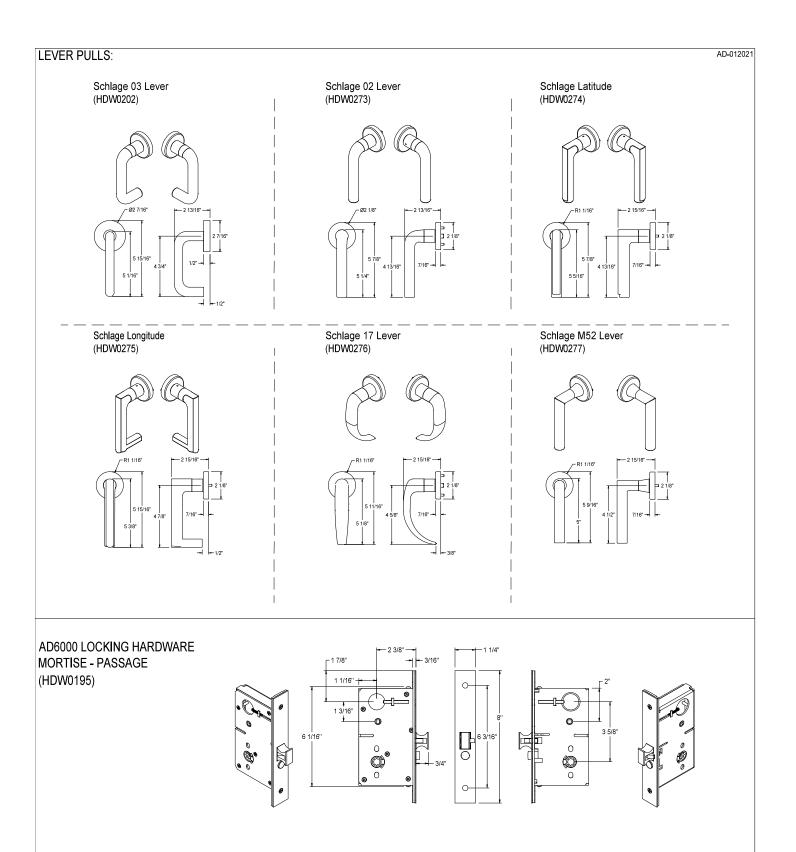




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HIGH PERFORMANCE DOOR

HARDWARE SELECTION GUIDE AD5000 & AD6000 LOCKING HARDWARE AD Systems





Innovation behind every door www.specADsystems.com 1.425.374.1360 SELF LATCHING LOCK WITH SINGLE ACTION EGRESS
Hardware Group: AD6000 Locking Hardware
List of Components, Sheet 2 of 2