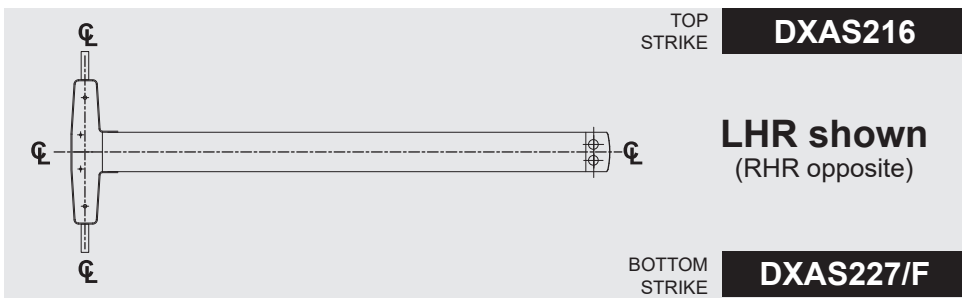
DOREX® DX2

METAL DOOR PREPARATION

For **DX2PC**, **DX2FC** or **DX2PCL**, **DX2FCL** (Less Bottom Rod) Exit Device

GENERAL NOTES:

1. Door must be properly reinforced in the area of the exit device chassis mounting and the surface must be flush and flat within 1/16" (1.5 mm).
2. Make only the required holes or cutouts as per table below. Mounting holes “A” and “B” to be drilled at installation.
3. Ensure that the horizontal and vertical center lines for the door exterior (Trim side) match the horizontal and vertical centerlines of the door interior (Exit Device side.)
4. On bevelled doors, the backset from the door edge is measured from the door stile wide edge (as indicated.)
5. Ensure frames are prepared accordingly to match the exit device installation on the door (as required.)
6. **For all Concealed Vertical Rod (CVR) exit device installations:**
   a) Door lock, and top & bottom door stiles require preparation to accommodate rods, main chassis, and top/bottom latches.
   b) **Fire models** must be installed on a door stile width of at least of 4-3/4" (121 mm) width.
   c) **Fire models with Less Bottom Rod** will require door and frame preparation for the Fire Bolt (see DXAFL Installation instructions for details).
   d) **Panic models** can be installed on a door stile less than 4-3/4" (121 mm) wide. Installation with door stiles less than 2-1/8" (54 mm) will require the top and bottom latches to only use one (1) support bracket. Installation on doors with narrow stiles will require a different backset. Refer to the installation instructions for required backset dimensions.
   e) Wood doors must have solid wood at the main chassis and top/bottom latch locations.
   f) Hollow metal doors require reinforcement at the main chassis and top/bottom latch locations.
7. **For exit device installations with Trim:**
   a) Prepare the inside of door using the exit device door preparation and installation instructions.
   b) Prepare the exterior of door using the trim door preparation and installation instructions supplied with the trim.
8. **For exit device installations with No Trim:**
   Prepare interior side of door using ONLY the exit device installation instructions and door preparation for surface or through-bolt mounting. NOTE: Panic models DO NOT include through bolts (sex-nuts) - sold separately.
9. **For exit device installations with Cylinder Only (No Trim):** Refer to cylinder-only door preparation document.
10. Threaded holes require a minimum metal material thickness of 0.125" (3 mm)

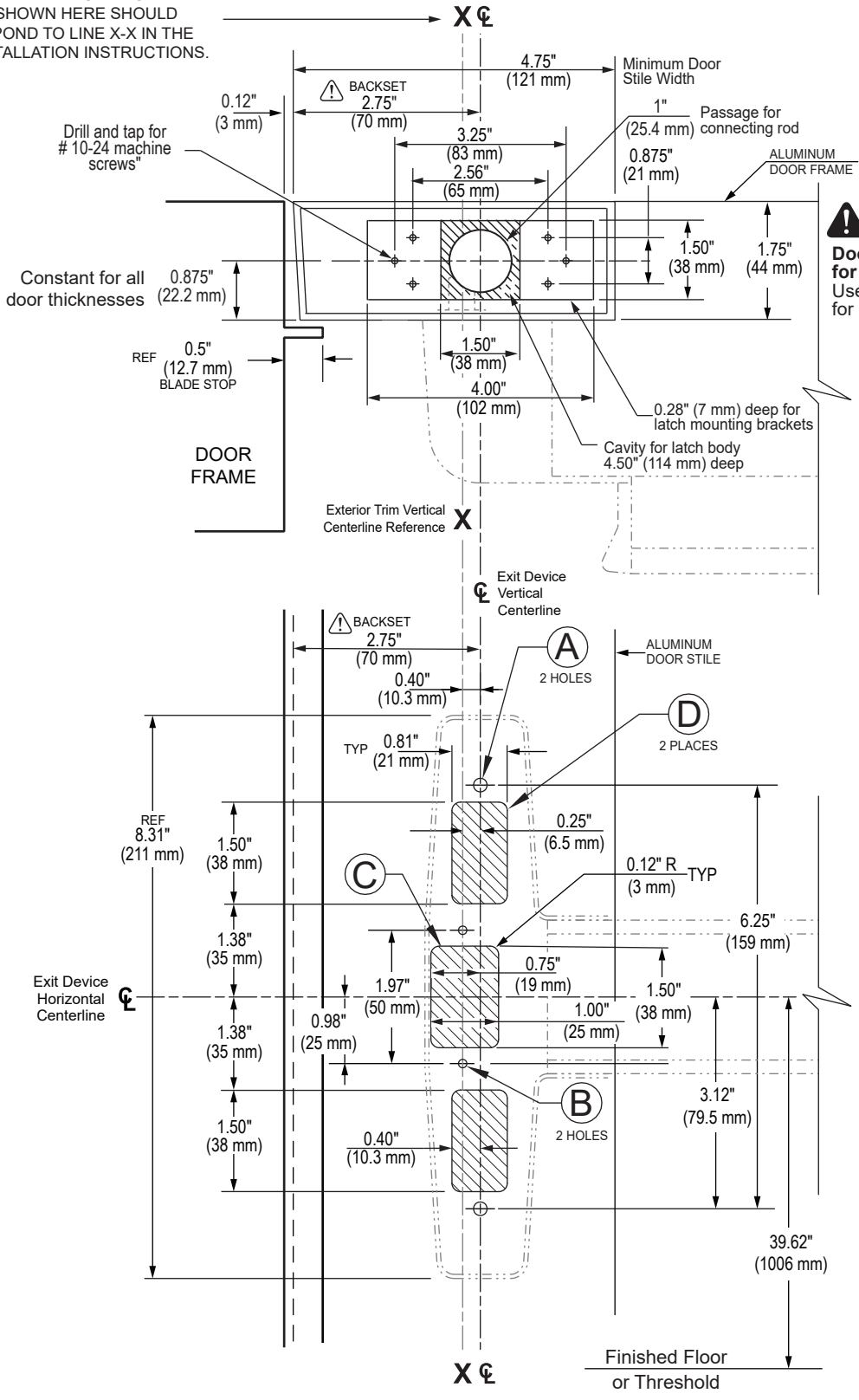


DRAWING IS NOT TO SCALE.
Do not scale dimensions on this drawing. USE FOR DOOR PREPARATION ONLY.

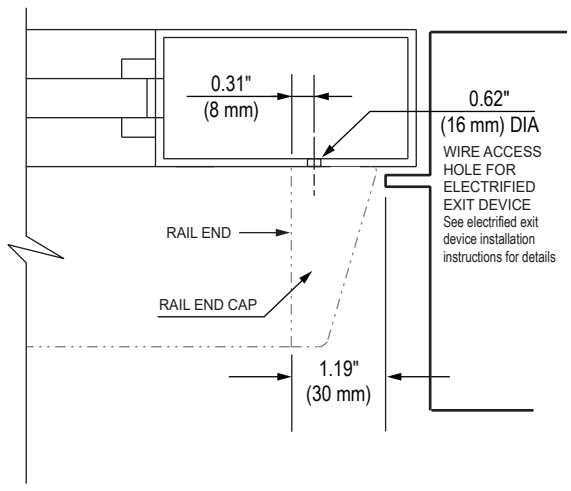
Verify that this is the latest version of this document. It is recommended to use samples to verify preparation before door / frame manufacturing.

CAUTION:

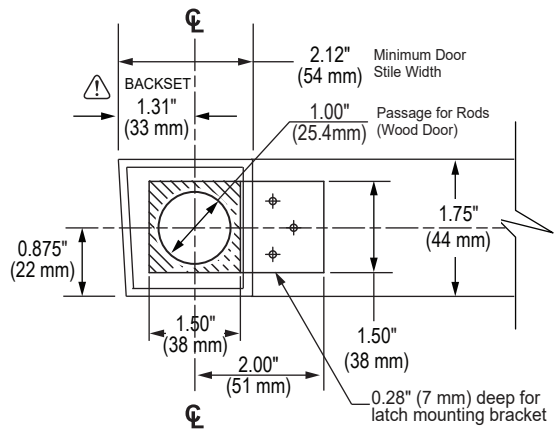
1. Drawings assume a standard 2 ¾" (70 mm) backset.
2. Exit Device can be installed with different backsets depending on the door and frame configuration.
3. It is recommended to install top and bottom latches with both mounting brackets.
4. For fire rated applications, top and bottom latches must be installed with BOTH mounting brackets.
5. In Panic door applications and narrow stile aluminum doors, top and bottom latches can be installed with only one mounting bracket.
6. All dimensions and preparations for non-standard configurations are to determined by the door and/or frame manufacturer.



Door Preparation for Top Latch shown. Use same preparation for Bottom Latch.



Panic Exit Devices installed on doors with a stile as narrow as 2 ⅛" (54 mm) can install top and bottom latches with only one (1) bracket as illustrated below.



HOLE / CUTOUT		APPLICATION	MOUNTING HOLES OR CUTOUT SIZE	
			METAL DOOR	WOOD DOOR
A	○	Exit only, without exterior trim. (Surface mount) *For cylinder-only (no trim) installation, refer to cylinder-only door preparation.*	Drill and Tap for #10-24 Machine Screws	Drill 1/8" (3 mm) Pilot Hole 1" (25.4 mm) Deep
		Exit device, without exterior trim. (Using sex nuts) Exit device, with exterior trim.*	DEVICE SIDE: Drill 5/16" (8 mm) EXTERIOR SIDE: Drill 13/32" (10.3 mm)	Drill 13/32" (10.3 mm) Through Door
B	o	Support bracket mounting screws. Used for surface mounting without exterior trim.	Drill & Tap for #10-24 machine screws*	Not required*
C	▯	Required for all exit device configurations.	Cutout 1-3/8" (35 mm) Deep (Depth to meet trim cutout on trim side)*	
D	▯	Required for all exit device configurations.	Cutout 1-3/8" (35 mm) Deep (Depth to meet trim cutout on trim side)*	

* Please refer to exterior trim installation instructions and door preparation for exterior (trim side) preparation.

WOOD DOOR PREPARATION

For **DX2PC**, **DX2FC** or **DX2PCL**, **DX2FCL** (Less Bottom Rod) Exit Device

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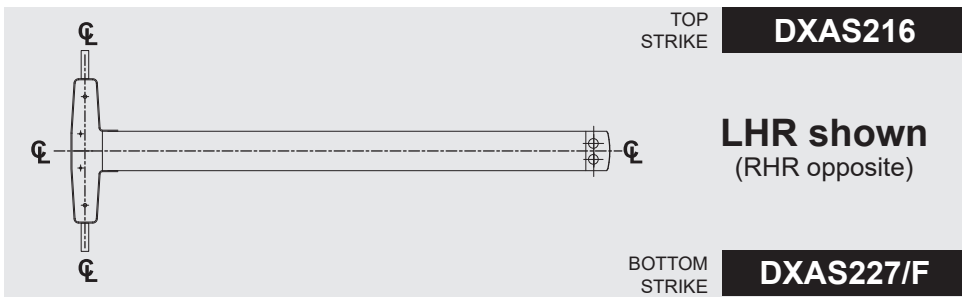
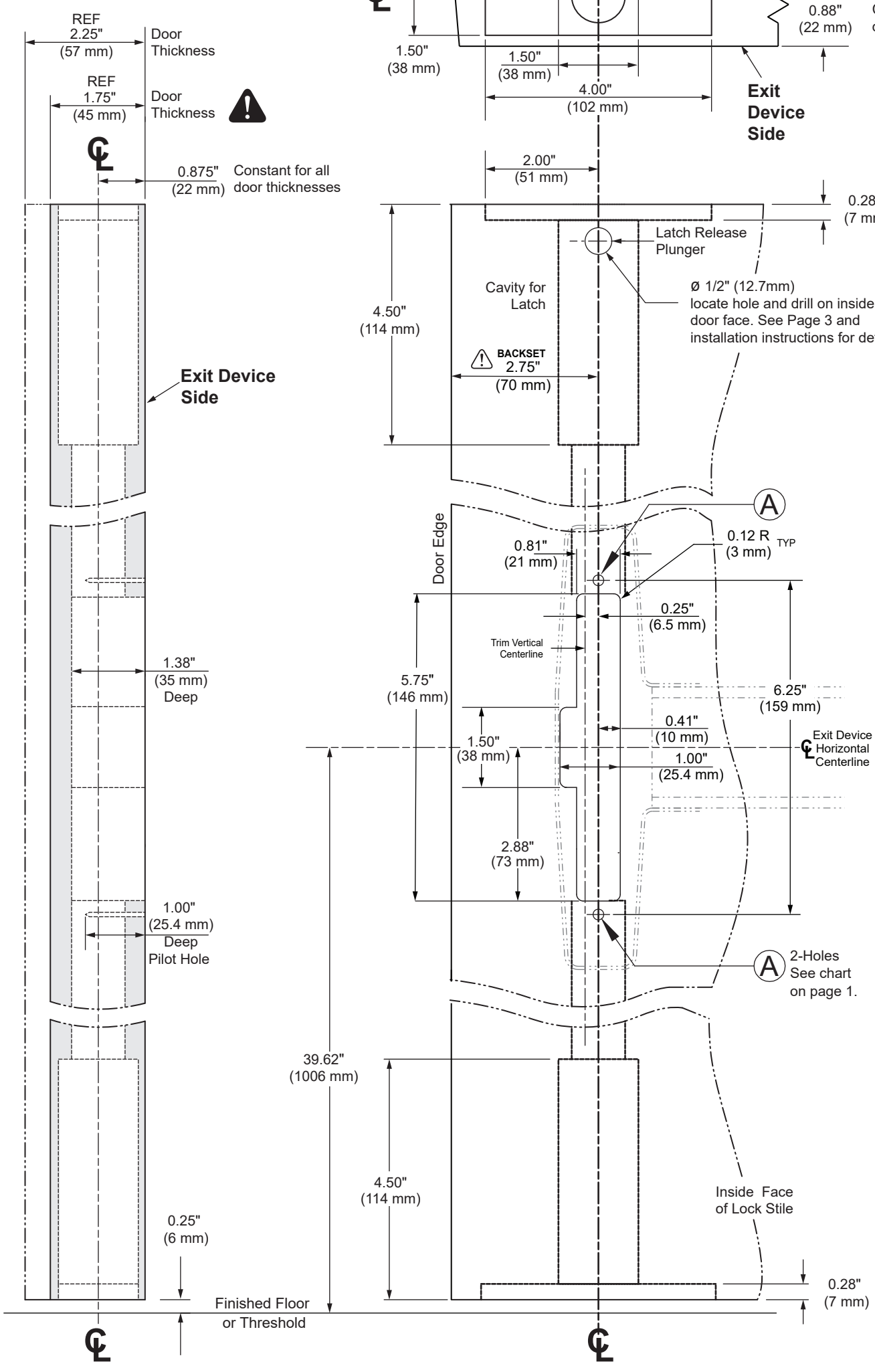
SEE GENERAL NOTES ON PAGE 1.

CAUTION:

1. Drawings assume a standard 2 ¾" (70 mm) backset.
2. Exit Device can be installed with different backsets depending on the door and frame configuration.
3. It is recommended to install top and bottom latches with both mounting brackets.
4. For fire rated applications, top and bottom latches must be installed with BOTH mounting brackets.
5. In Panic door applications and narrow stile aluminum doors, top and bottom latches can be installed with only one mounting bracket.
6. All dimensions and preparations for non-standard configurations are to determined by the door and/or frame manufacturer.

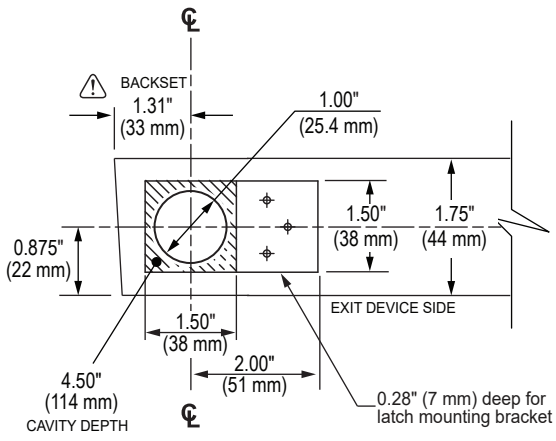


DEVICE CASE AND LATCH CASE VERTICAL CENTERLINE



CAUTION:
Installation on 1 ¾ in doors with cladding on the interior side (exit device side) of the door will require a top latch plunger with a longer pin and a spacer block for the mounting of the connecting rods to the center or main chassis.

Panic Exit Devices installed on wood doors can install top and bottom latches with only one (1) bracket as illustrated below.



DOOR PREPARATION

For **DX2PC**, **DX2FC** or **DX2PCL**, **DX2FCL** (Less Bottom Rod) Exit Device

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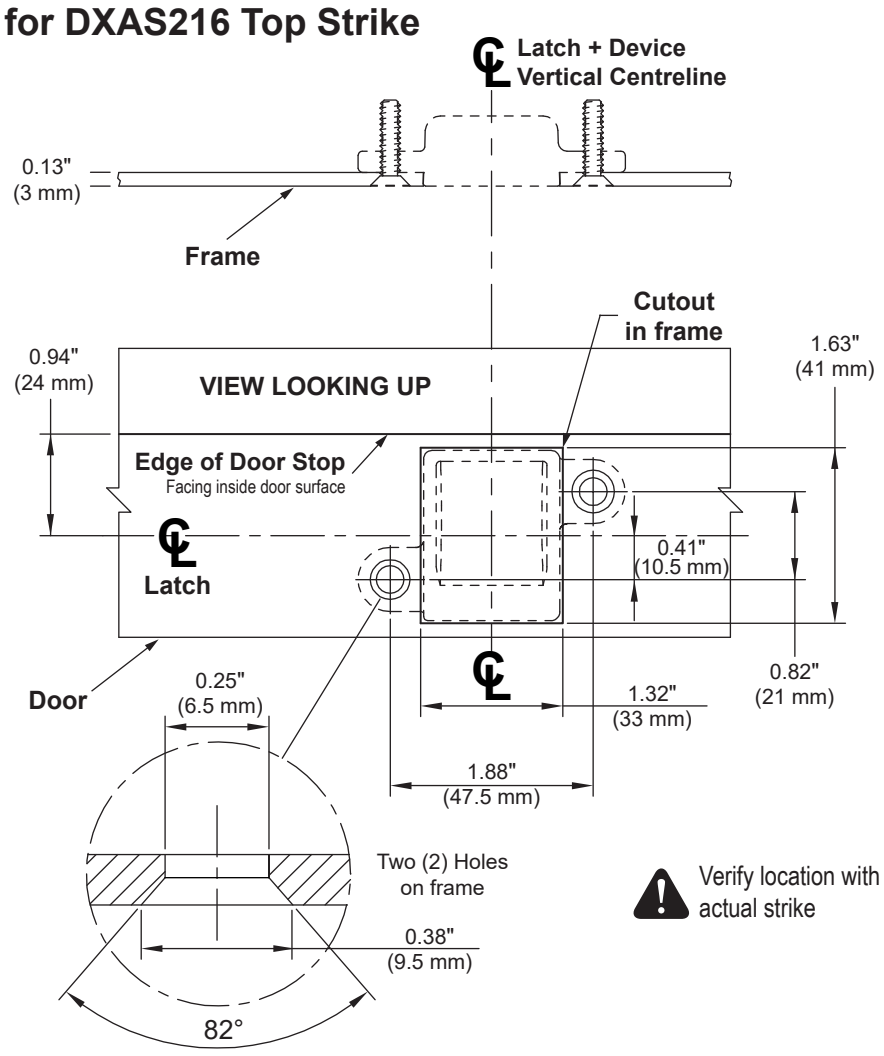
SEE GENERAL NOTES ON PAGE 1.

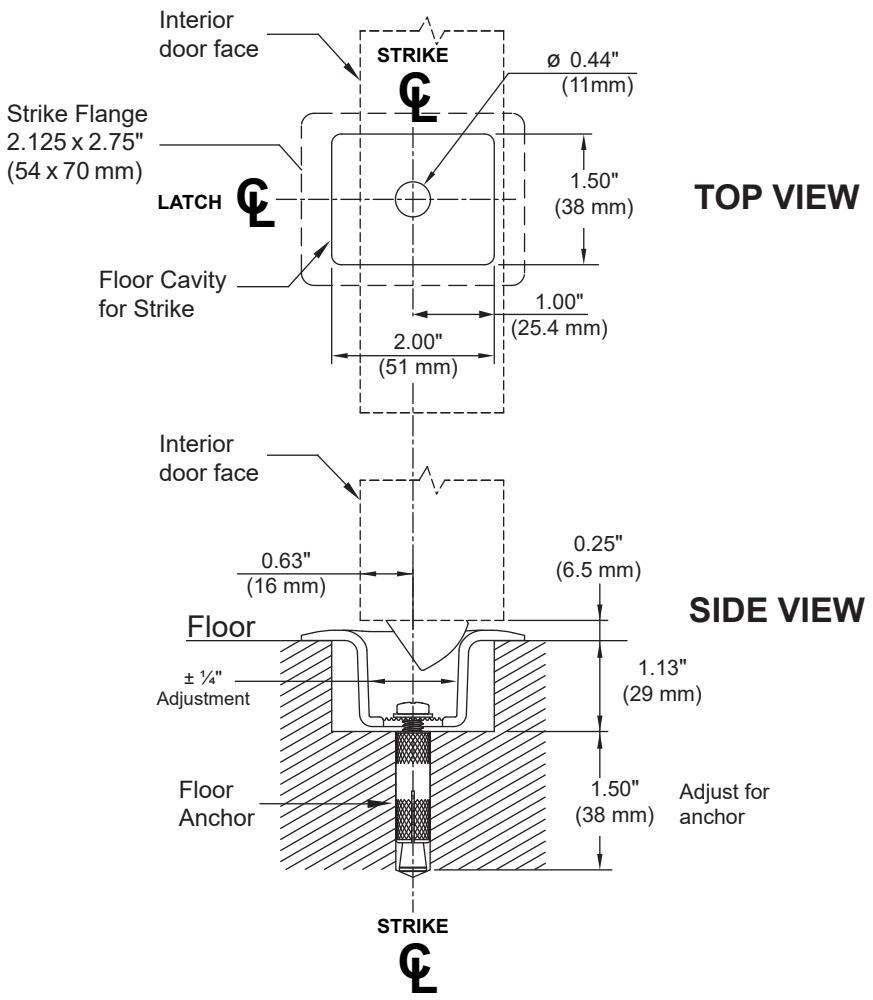
NOTE: It is recommended that the preparation for the top and bottom strike and latch release plunger be done onsite, during the exit device installation, to ensure proper latch and strike engagement and plunger to latch release actuator alignment.

Hollow Steel Frame Preparation for DXAS216 Top Strike



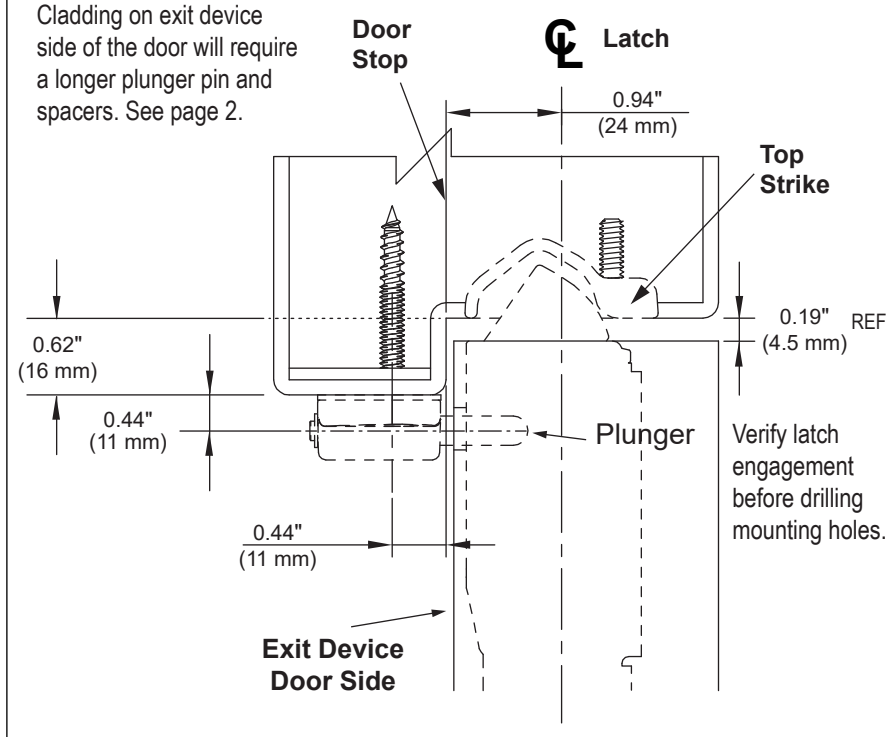
Floor Preparation for DXAS227/F Floor Strike

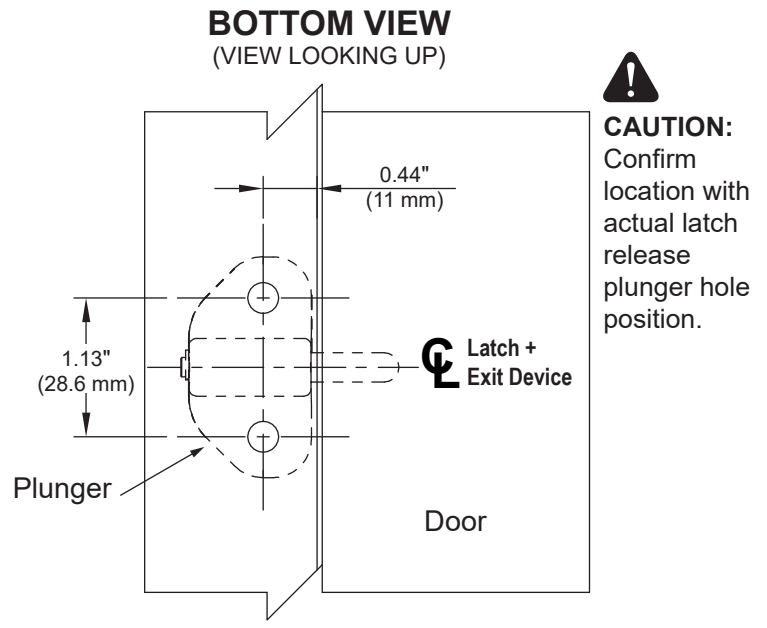
DEFAULT STRIKE SHOWN.
For optional round bolt strike DXAS225 / 226 please refer to DX2PC/FC installation instructions.
For all other floor strikes, please refer to their individual installation instrucitons



Latch Release Plunger Installation

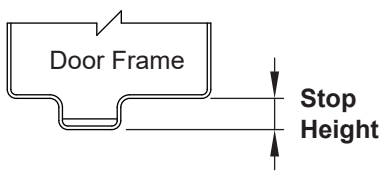
CAUTION:
Cladding on exit device side of the door will require a longer plunger pin and spacers. See page 2.





Latch Release Plunger Hole Position

Measure the **Stop** Height to determine **Dimension A.**



Stop Height	A
½"	0.67"
⅝"-Std.	0.82"
¾"	0.94"