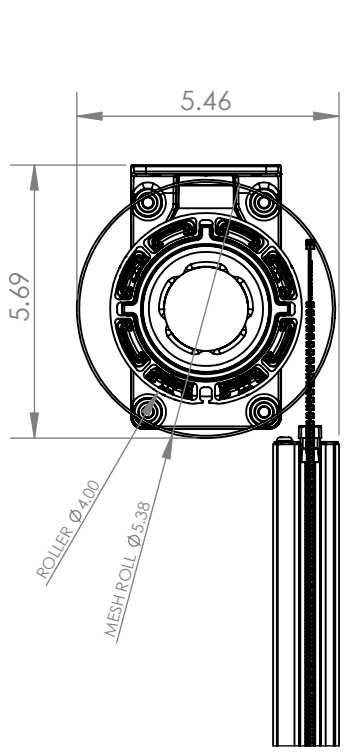


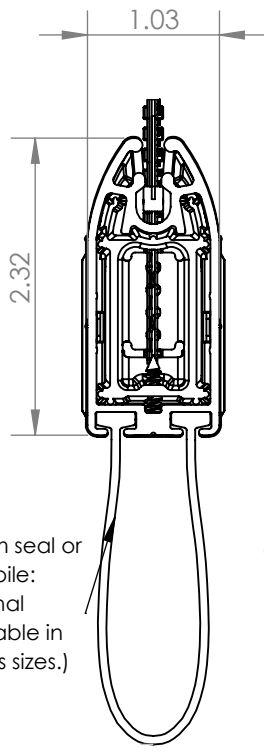
Motorized Retractable Screen

4" Recessed Roller with Sure Fit Track

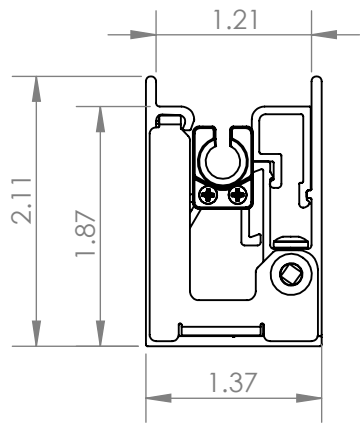
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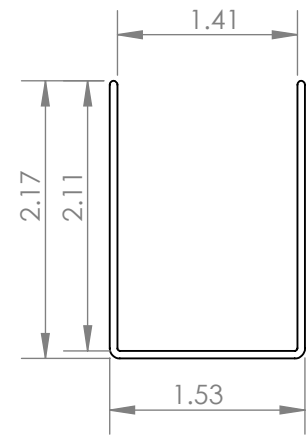
4" RECESSED ROLLER ASSY
SECTION VIEW
SCALE 1:4



SLIDEBAR ASSY
SECTION VIEW
SCALE 1:1.5

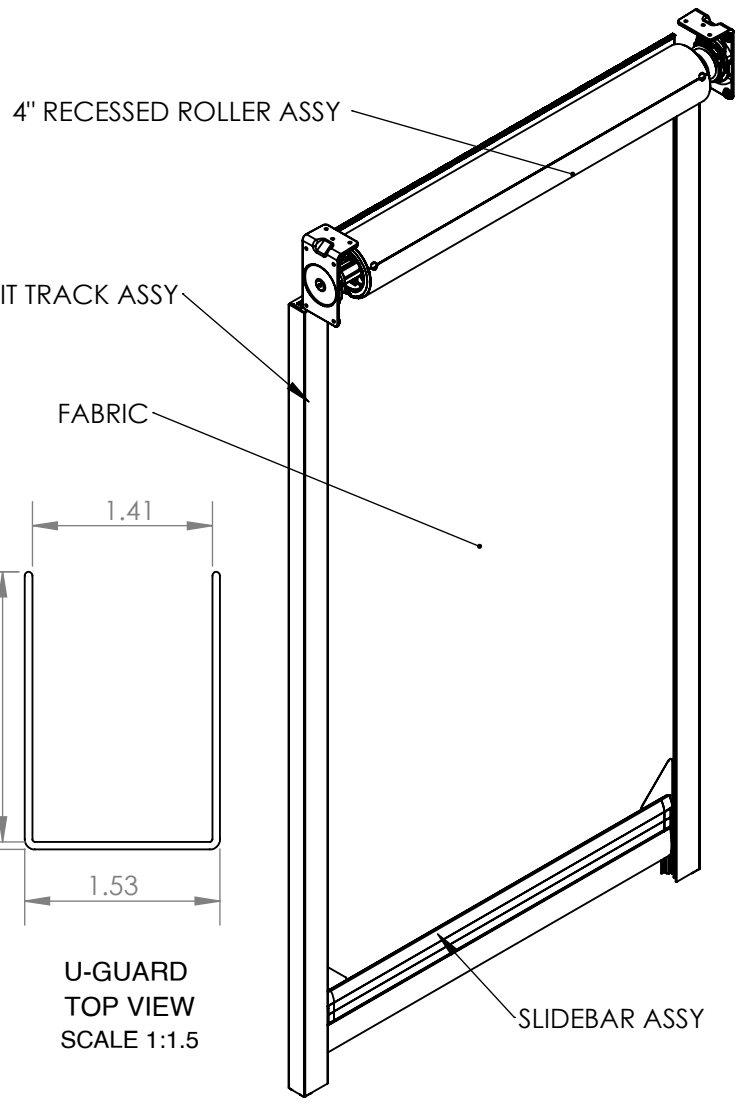


SURE FIT TRACK ASSY
TOP VIEW
SCALE 1:1.5



U-GUARD
TOP VIEW
SCALE 1:1.5

1



SCALE 1:12

B

A

Note:
Order includes roller assy, slidebar assy, track assys, and fabric only; all other parts to be ordered separately as required.

A

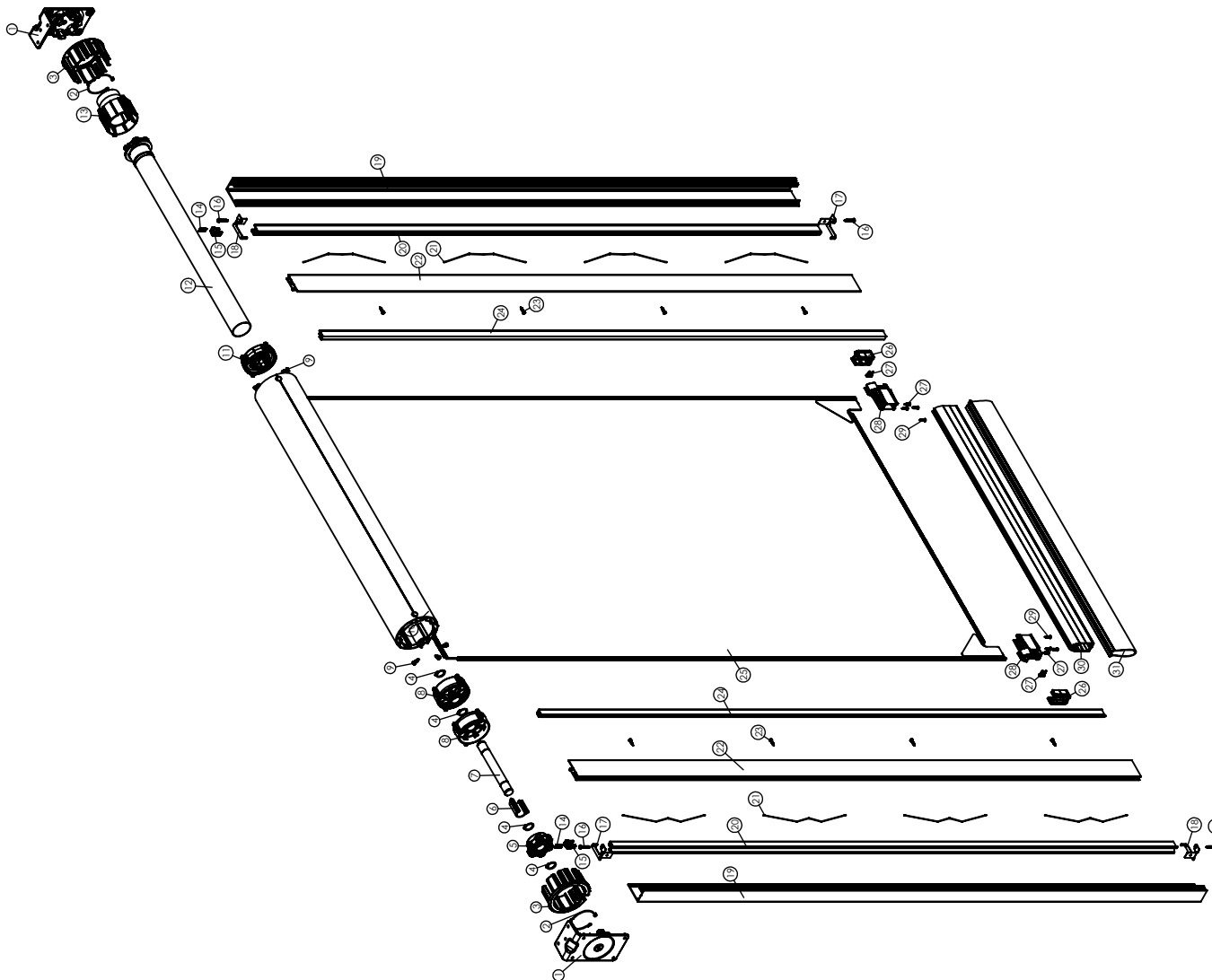
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF PHANTOM SCREENS. REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF PHANTOM SCREENS IS PROHIBITED.		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: FRACTIONAL ± 1/32 ANGULAR ± 2 TWO PLACE DECIMAL ± .013" THREE PLACE DECIMAL ± .005"		STANDARD TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5 THIRD ANGLE PROJECTION		DRAWN SA 2025-12-15 CHECKED PP 2025-12-15 ENG APPR. PP 2025-12-15 MFG APPR. Q.A.		TITLE: Mz2.0, 4" Recessed Roller, Sure Fit Track SIZE DWG. NO. REV A EPN449 6 SCALE: 1:12 WEIGHT: SHEET 1 OF 16		
		MATERIAL ASSY								

2

1

2

1



B

B

A

A

Motorized Retractable Screen
4" Recessed Roller with Sure Fit Track
Exploded View

SCALE 1:15

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 ANGULAR ± 2
 TWO PLACE DECIMAL $\pm .013$ "
 THREE PLACE DECIMAL $\pm .005$ "

STANDARD TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED

INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5
 THIRD ANGLE PROJECTION

MATERIAL
 ASSY

DRAWN	SA	2025-12-15
CHECKED	PP	2025-12-15
ENG APPR.	PP	2025-12-15
MFG APPR.		
Q.A.		

TITLE: Mz2.0, 4" Recessed Roller, Sure Fit Track

SIZE	DWG. NO.	REV
A	EPN449	6
SCALE: 1:12	WEIGHT:	SHEET 2 OF 16

2

1

DOCUMENT NO. XXXXX-XX-XXX

A

B

Motorized Retractable Screen 4" Recessed Roller with Sure Fit Track BOM Table

NO.	DESCRIPTION	QTY
1	48200 Mtz 2.0 Recessed Bracket, 4in	2
2	46009 Mz Retaining Clip	2
3	46610 Mz Leveling Ring 4"	2
4	EPN214 External Retaining Ring	4
5	EPN3 Mz2.0 Pivot Head .75	1
6	EPN211 Mz Pivot Spacer	1
7	EPN7 Mz2.0 Pivot Shaft	1
8	EPN2 Mz2.0 Pivot Bearing	2
9	71021 #8-0.5" Hex Head Drilling Screw	8
10	46005 Mz2.0 Roller Bar 4"	1
11	EPN4 Mz2.0 Motor Drive Ring	1
12	67235 Somfy Motor, 525A2 Maestria RTS	1
13	EPN5 Mz2.0 Motor Encoder Ring	1
14	EPN314 # 1-5/8" Rounded Head Screw	4
15	68155 Sure Fit Entry Guide	2
16	71039 # 10-1" Rounded Head Screw (Unfinished)	4
17	46854 Sure Fit Lift Stop Left	2
18	46898 Sure Fit Lift Stop Right	2
19	46909 Sure Fit U-Channel	2
20	46844 Sure Fit Inner Track	2
21	46045 Sure Fit Spring	-
22	47014 Sure Fit U-Channel Side	2
23	EPN312 # 6-5/8" Rounded Head Screw	-
24	47024 Sure Fit Cover	2
25	EPN437 Sure Fit Mesh	1
26	EPN161 Slidebar Endcap Cover	2
27	71027 #6-1/2" Rounded Head Screw	8
28	EPN160 Slidebar Endcap Main	2
29	71135 #6-5/8" Flat Head Screw	4
30	EPN199 Slidebar-w-Stopper	1
31	Brush pile or bottom gasket (available in various sizes)	1

A

B

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PHANTOM
SCREENS

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FRACTIONAL $\pm 1/32$
ANGULAR ± 2
TWO PLACE DECIMAL $\pm .013$ "
THREE PLACE DECIMAL $\pm .005$ "

STANDARD TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED

INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5
THIRD ANGLE PROJECTION

MATERIAL

ASSY

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

SA

PP

PP

2025-12-15

2025-12-15

2025-12-15

TITLE: Mz2.0, 4" Recessed Roller, Sure Fit Track

SIZE

A

DWG. NO.

EPN449

REV

6

SCALE: 1:12

WEIGHT:

SHEET 3 OF 16

DOCUMENT NO. XXXXX-XX-XXX

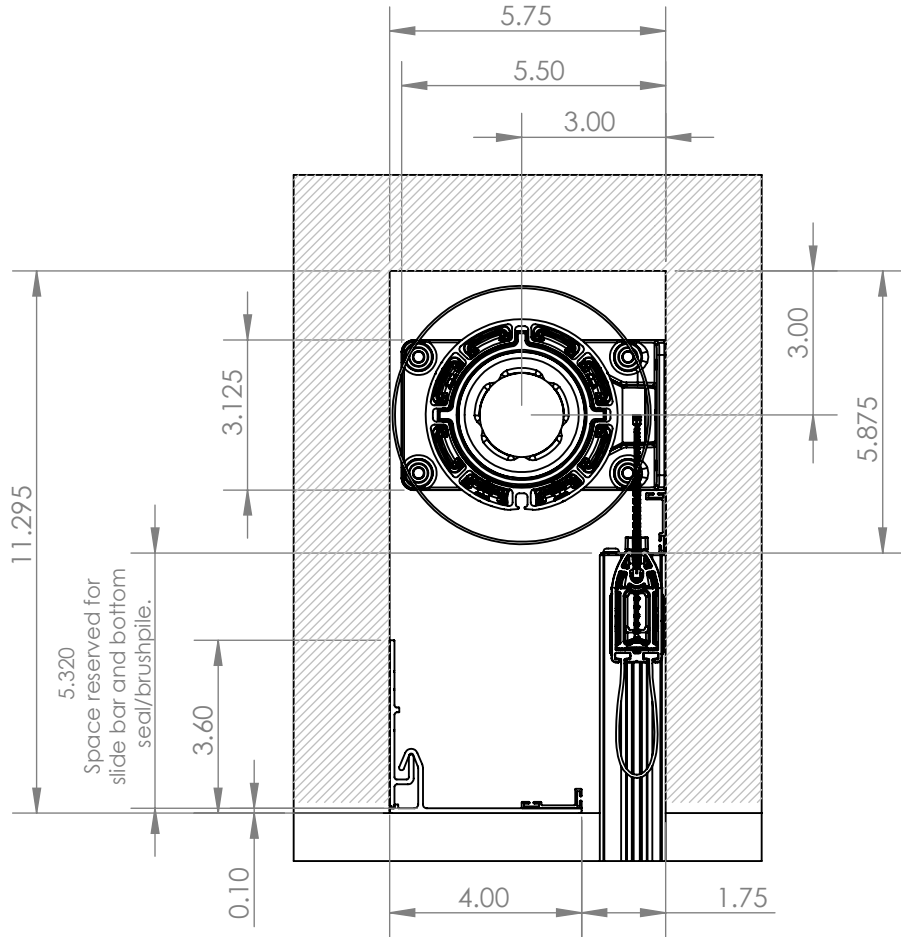
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1

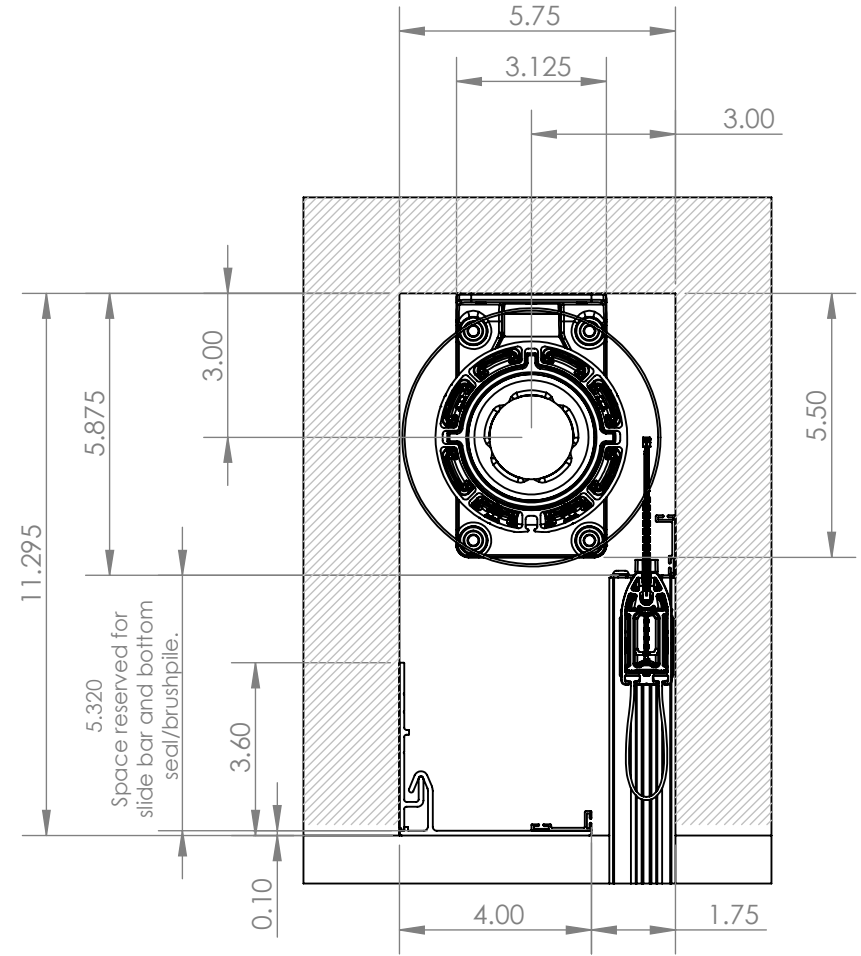
Motorized Retractable Screen

4" Recessed Roller with 4" Cavity Cover

Minimum Cavity Size



HORIZONTALLY MOUNTED BRACKETS



VERTICALLY MOUNTED BRACKETS

PROPRIETARY AND CONFIDENTIAL

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 ANGULAR ± 2
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 THREE PLACE DECIMAL $\pm .005$ "

STANDARD TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED

INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5
 THIRD ANGLE PROJECTION

MATERIAL

ASSY

DRAWN	SA	2025-12-15
CHECKED	PP	2025-12-15
ENG APPR.	PP	2025-12-15
MFG APPR.		
Q.A.		

TITLE: Mz2.0, 4" Recessed Roller, Sure Fit Track

SIZE	DWG. NO.	REV
A	EPN449	6

SCALE: 1:12	WEIGHT:	SHEET 4 OF 16
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2

1

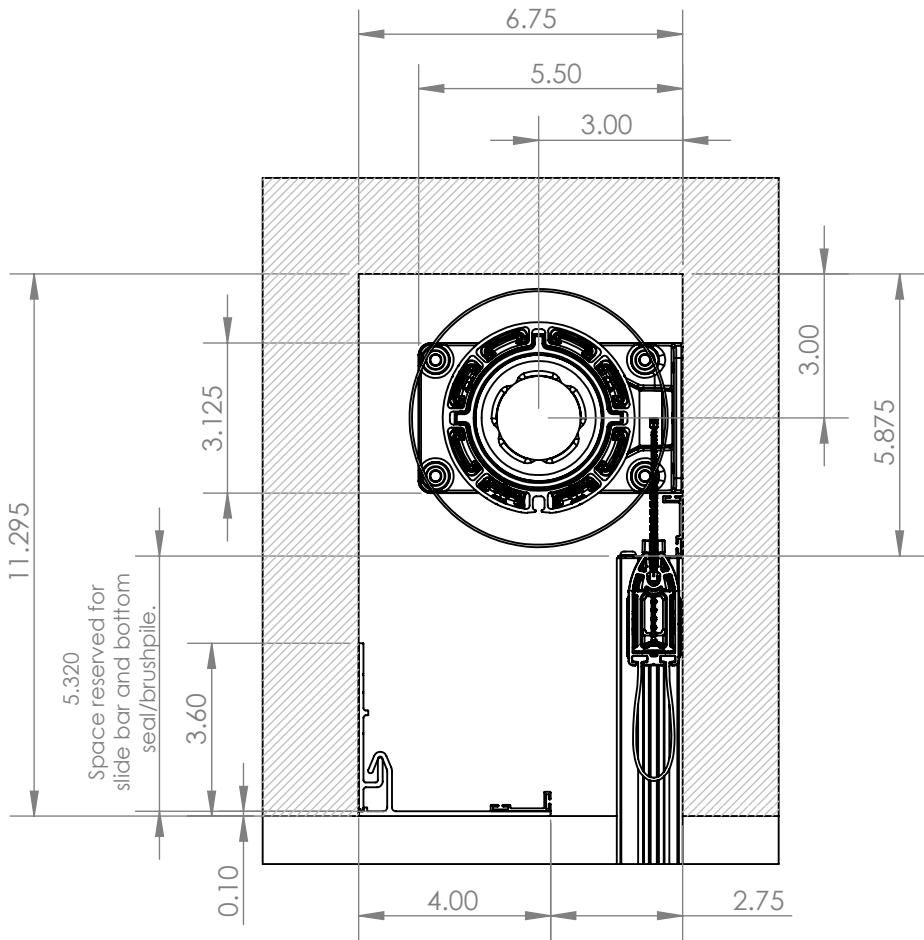
Motorized Retractable Screen

4" Recessed Roller with 4" Cavity Cover

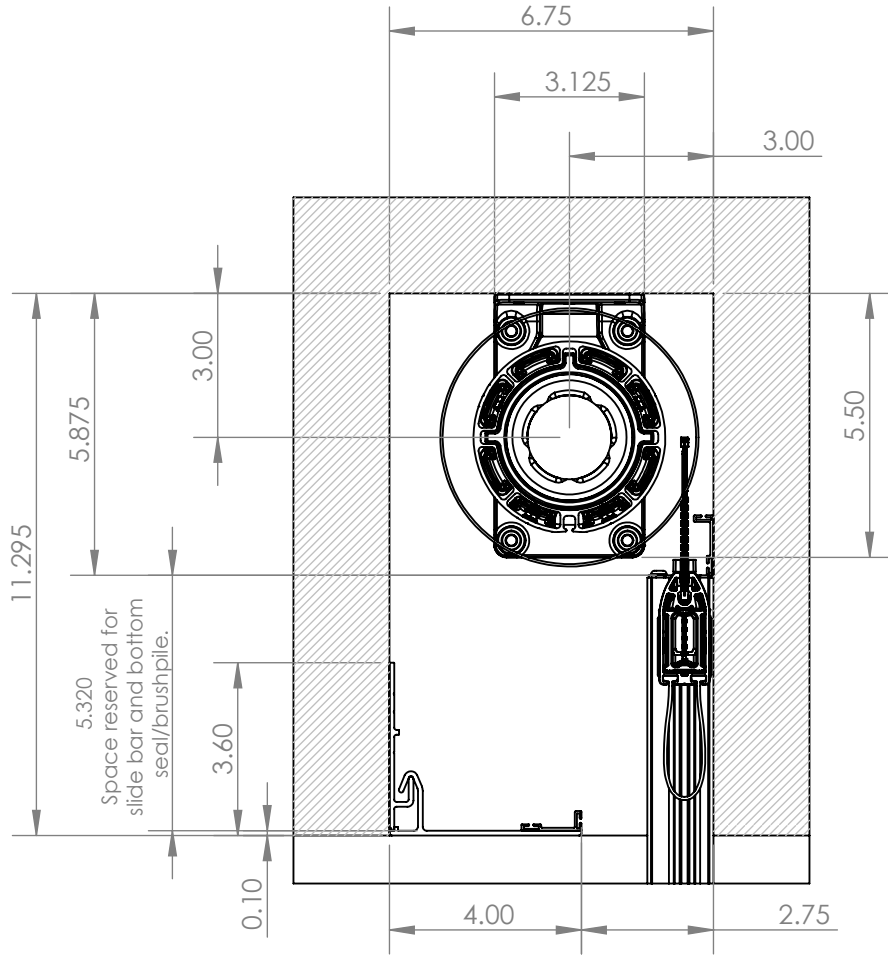
Recommended Cavity Size

B

B



HORIZONTALLY MOUNTED BRACKETS



VERTICALLY MOUNTED BRACKETS

A

A

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PHANTOM
SCREENS

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ANGULAR ± 2
TWO PLACE DECIMAL ± .013"
THREE PLACE DECIMAL ± .005"

STANDARD TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED

INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5
THIRD ANGLE PROJECTION

MATERIAL
ASSY

DRAWN	SA	2025-12-15
CHECKED	PP	2025-12-15
ENG APPR.	PP	2025-12-15
MFG APPR.		
Q.A.		

TITLE: Mz2.0, 4" Recessed Roller, Sure Fit Track		
SIZE	DWG. NO.	REV
A	EPN449	6
SCALE: 1:12	WEIGHT:	SHEET 5 OF 16

2

1

2

1

Motorized Retractable Screen

4" Recessed Roller with Sure Fit Track

Track Surface-Positioned

Tracks Side Mounted (*)

B

B

FRONT SIDE OF THE UNIT

Space reserved for slide bar and bottom seal/brushpile on top, clear of the opening for maximum view.

FRONT SIDE OF THE UNIT

Unit Width = Opening Width + 4.22"

Unit Width - 4.22"

Opening Width

#10x1 1/2" Rounded Head Drilling Screw

*

Opening Height

Pull = Opening Height + 11.295"

Note:

- Screen unit height can be reduced by cutting the tracks on site.
- Screen unit width is fixed and must be accurate when ordering.

A

A

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 ANGULAR ± 2
 TWO PLACE DECIMAL ± .013"
 THREE PLACE DECIMAL ± .005"

STANDARD TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED

INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5
 THIRD ANGLE PROJECTION

MATERIAL

ASSY

DRAWN

SA

2025-12-15

CHECKED

PP

2025-12-15

ENG APPR.

PP

2025-12-15

MFG APPR.

Q.A.

TITLE: Mz2.0, 4" Recessed Roller, Sure Fit Track

SIZE

DWG. NO.

REV

A

EPN449

6

SCALE: 1:12

WEIGHT:

SHEET 6 OF 16

2

1

DOCUMENT NO. XXXXX-XX-XXX

2

1

Motorized Retractable Screen

4" Recessed Roller with Sure Fit Track

Track In-Jamb Positioned

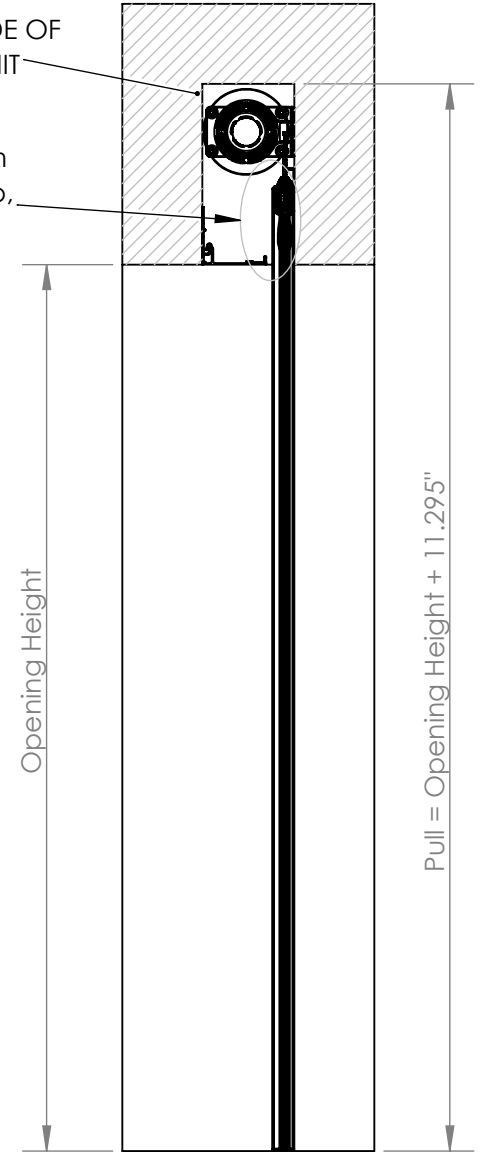
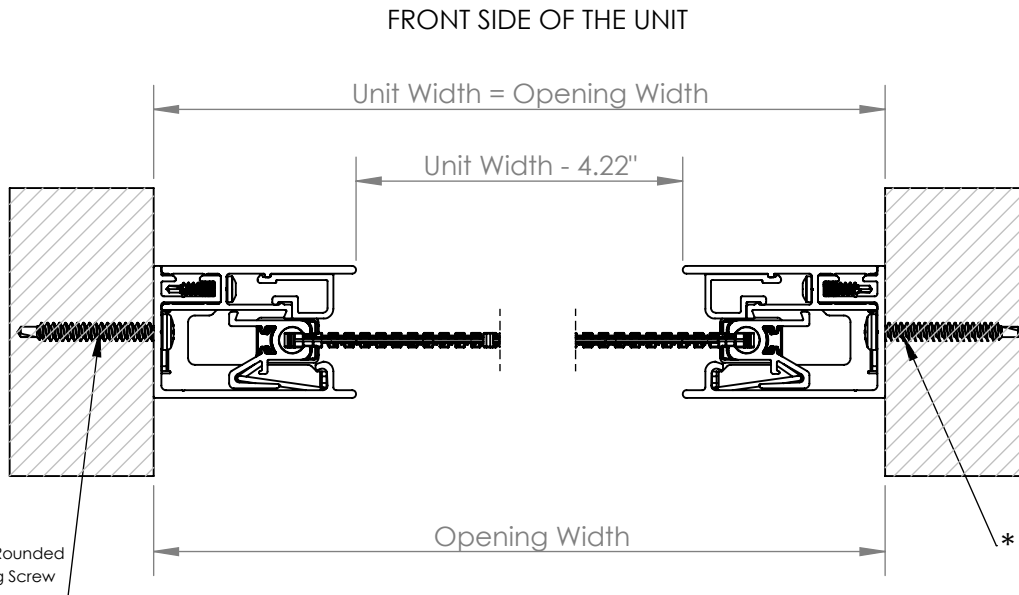
Tracks Back Mounted (*)

B

B

FRONT SIDE OF THE UNIT

Space reserved for side bar and bottom seal/brushpile on top, clear of the opening for maximum view.




Note:

- Screen unit height can be reduced by cutting the tracks on site.
- Screen unit width is fixed and must be accurate when ordering.

A

A

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		MATERIAL ASSY						REV 6		

2

1

2

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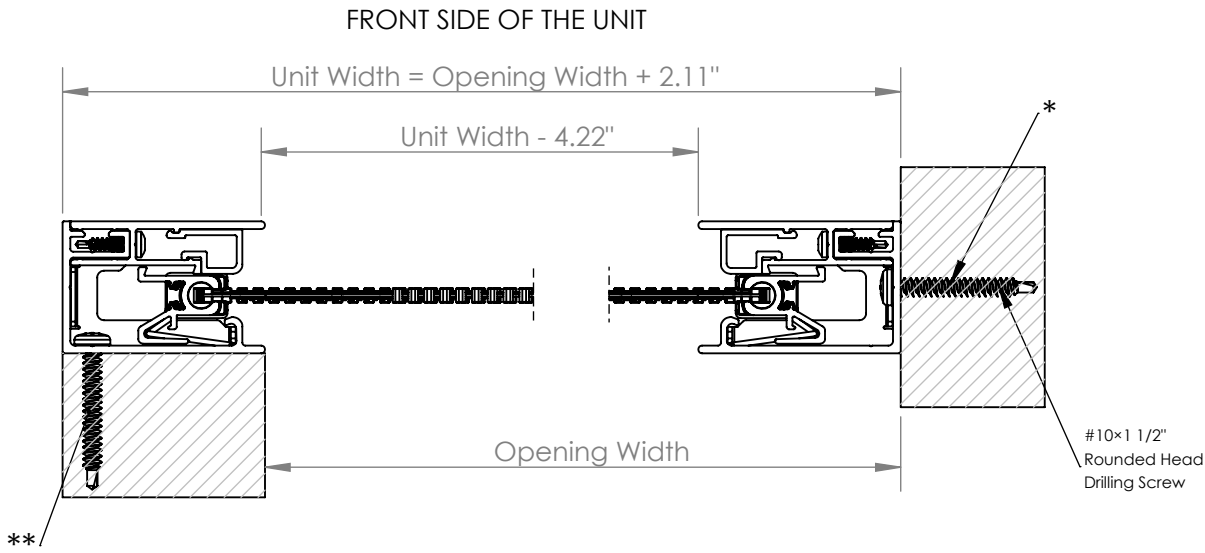
Motorized Retractable Screen

4" Recessed Roller with Sure Fit Track

Tracks In-Jamb and Surface Positioned Tracks Back (*) and Side (**)

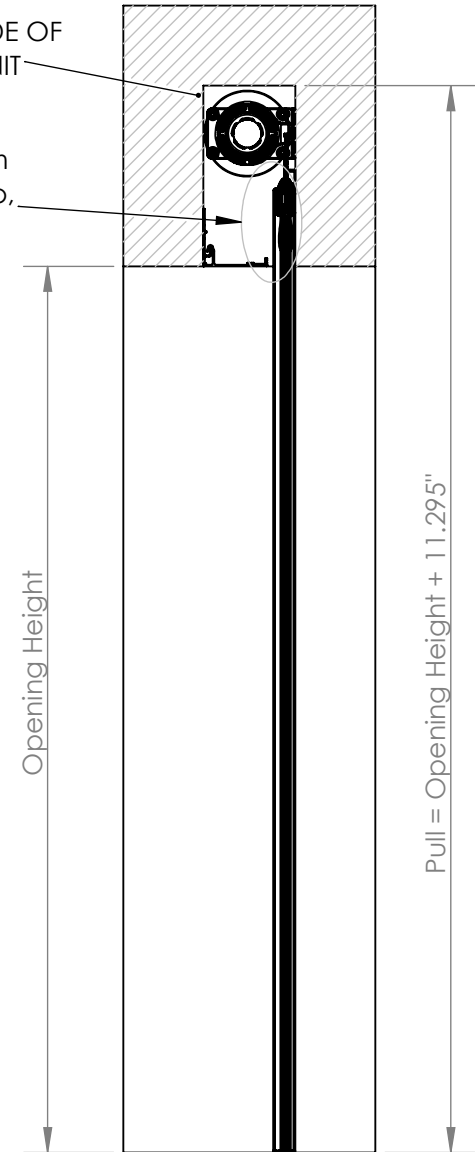
B

B



FRONT SIDE OF THE UNIT

Space reserved for slide bar and bottom seal/brushpile on top, clear of the opening for maximum view.



A

A

Note:

- Screen unit height can be reduced by cutting the tracks on site.
- Screen unit width is fixed and must be accurate when ordering.

PROPRIETARY AND CONFIDENTIAL

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 ANGULAR ± 2
 TWO PLACE DECIMAL ± .013"
 THREE PLACE DECIMAL ± .005"

STANDARD TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED

INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5
 THIRD ANGLE PROJECTION

MATERIAL
 ASSY

DRAWN	SA	2025-12-15
CHECKED	PP	2025-12-15
ENG APPR.	PP	2025-12-15
MFG APPR.		
Q.A.		

TITLE: Mz2.0, 4" Recessed Roller, Sure Fit Track

SIZE	DWG. NO.	REV
A	EPN449	6

SCALE: 1:12	WEIGHT:	SHEET 8 OF 16
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2

1

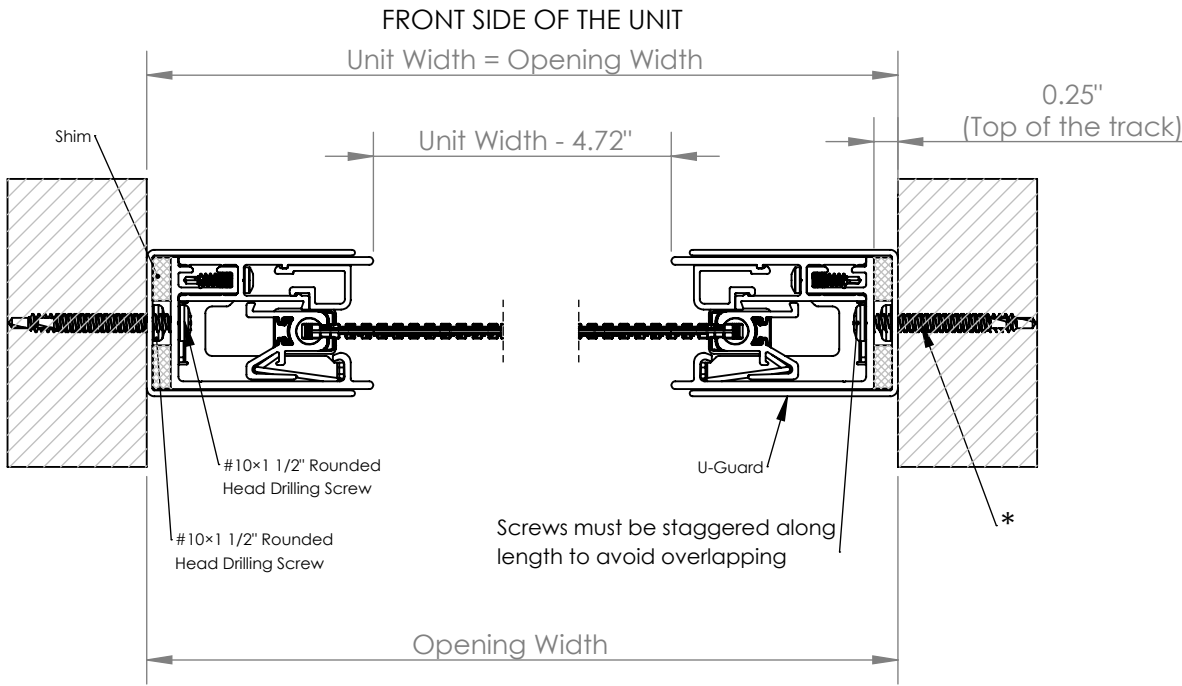
2

1

Motorized Retractable Screen
4" Recessed Roller with Sure Fit Track
U-Guard Used for Adjustment on Unparallel Posts
Tracks In-Jamb Positioned
Tracks Back Mounted (*)

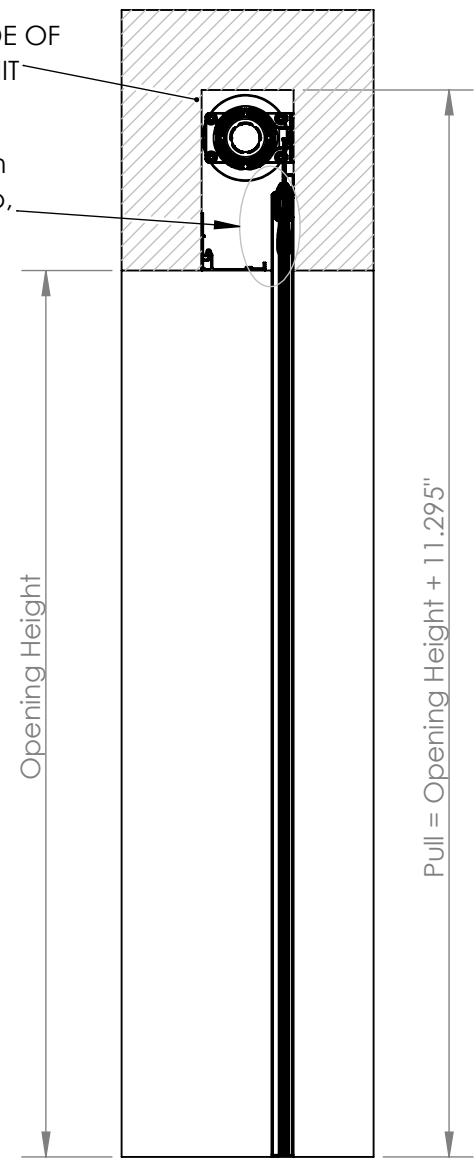
B

B



FRONT SIDE OF THE UNIT

Space reserved for slide bar and bottom seal/brushpile on top, clear of the opening for maximum view.



A

A

- Note:**
- Screen unit height can be reduced by cutting the tracks on site.
 - Screen unit width is fixed and must be accurate when ordering.

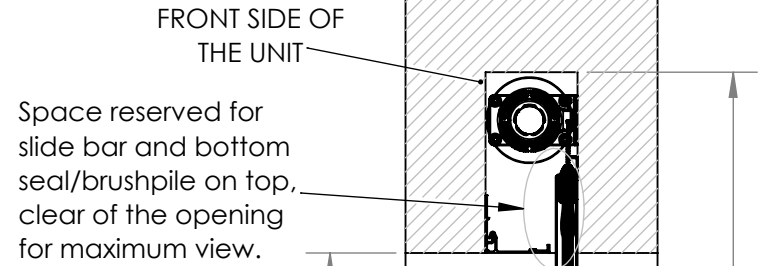
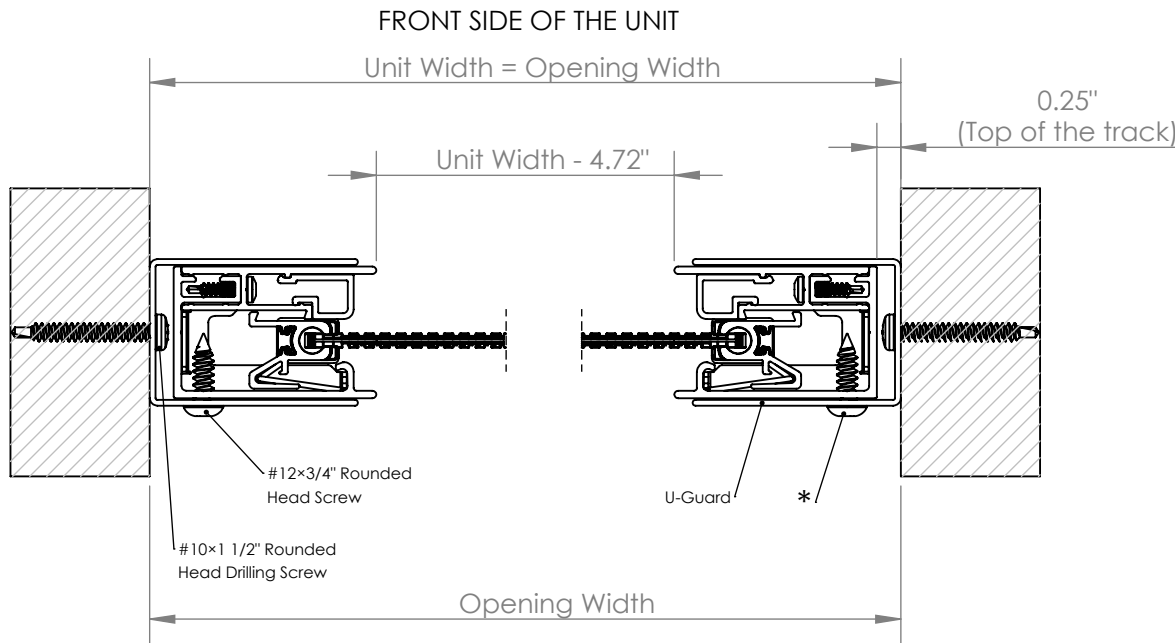
PROPRIETARY AND CONFIDENTIAL		UNLESS OTHERWISE SPECIFIED:		STANDARD TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED		DRAWN		SA		2025-12-15		TITLE: Mz2.0, 4" Recessed Roller, Sure Fit Track					
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				MATERIAL		ENG APPR.		PP		2025-12-15		A		EPN449		6	
						ASSY		MFG APPR.									
						Q.A.						SCALE: 1:12		WEIGHT:		SHEET 9 OF 16	

2

1

Motorized Retractable Screen
4" Recessed Roller with Sure Fit Track
U-Guard Used for Adjustment on Unparallel Posts
Tracks In-Jamb Positioned
Tracks Side Mounted (*)

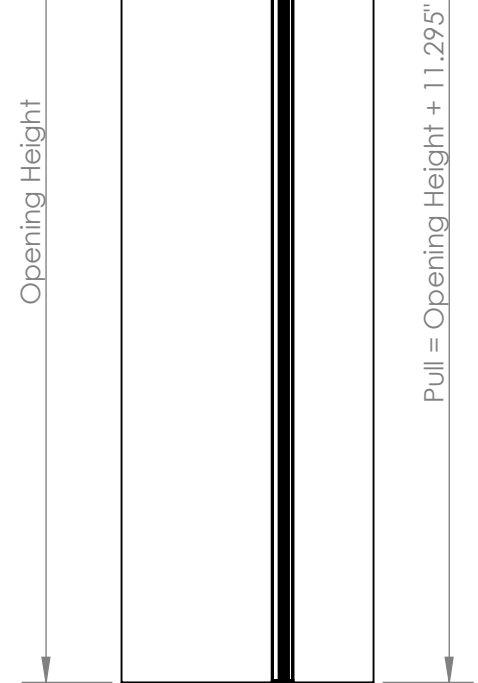
B




B

A

- Note:**
- Screen unit height can be reduced by cutting the tracks on site.
 - Screen unit width is fixed and must be accurate when ordering.



A

PROPRIETARY AND CONFIDENTIAL		UNLESS OTHERWISE SPECIFIED:		STANDARD TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED		DRAWN SA 2025-12-15		TITLE: Mz2.0, 4" Recessed Roller, Sure Fit Track			
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 PHANTOM SCREENS		MATERIAL ASSY		ENG APPR. PP 2025-12-15		MFG APPR.		SCALE: 1:12		WEIGHT:	
				Q.A.				REV 6		SHEET 10 OF 16	

2

1

Motorized Retractable Screen

4" Recessed Roller with Sure Fit Track

Tracks Recessed-Mounted

B

B

FRONT SIDE OF THE UNIT

Space reserved for slide bar and bottom seal/brushpile on top, clear of the opening for maximum view.

FRONT SIDE OF THE UNIT

Unit Width = Opening Width + 4.22"

Unit Width - 4.22"

#10x1 1/2" Rounded Head Drilling Screw

Opening Width

Opening Height

Pull = Opening Height + 11.295"

A

A

Note:

- Screen unit height can be reduced by cutting the tracks on site.
- Screen unit width is fixed and must be accurate when ordering.

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 ANGULAR ± 2
 TWO PLACE DECIMAL ± .013"
 THREE PLACE DECIMAL ± .005"

STANDARD TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED

INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5
 THIRD ANGLE PROJECTION

MATERIAL

ASSY

DRAWN

SA

2025-12-15

CHECKED

PP

2025-12-15

ENG APPR.

PP

2025-12-15

MFG APPR.

Q.A.

TITLE: Mz2.0, 4" Recessed Roller, Sure Fit Track

SIZE

DWG. NO.

REV

A

EPN449

6

SCALE: 1:12

WEIGHT:

SHEET 11 OF 16

2

1

DOCUMENT NO. XXXXX-XX-XXX

Motorized Retractable Screen

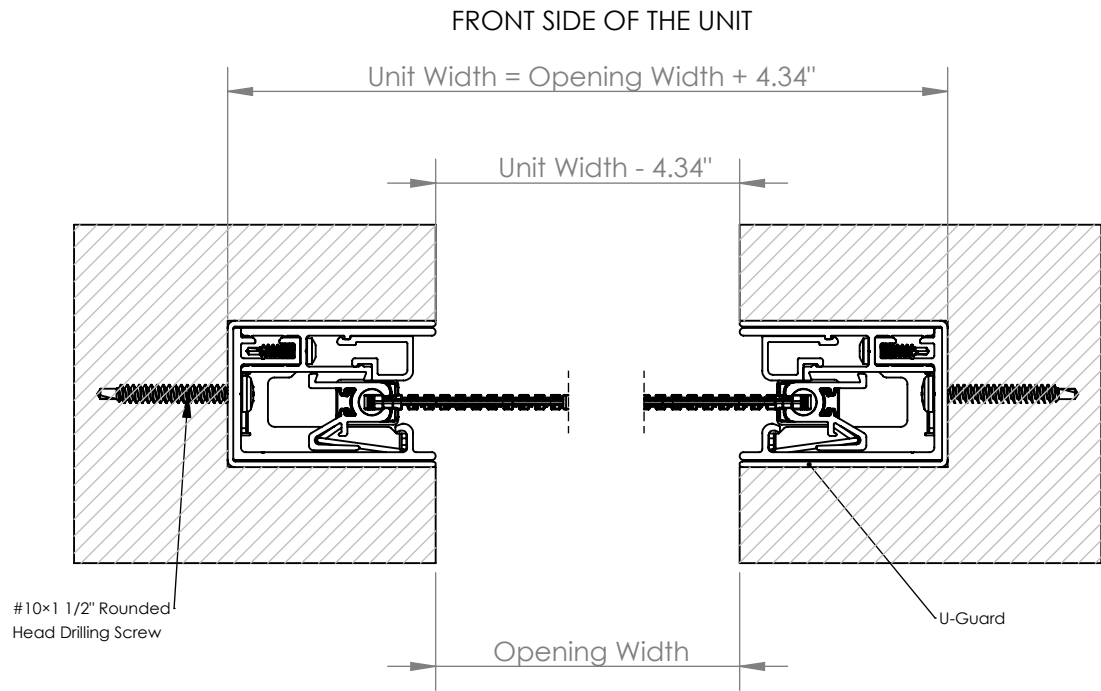
4" Recessed Roller with Sure Fit Track

Stucco Build-Up Post with U-Guard

(Build-Up Procedure on Page 12 and 13)

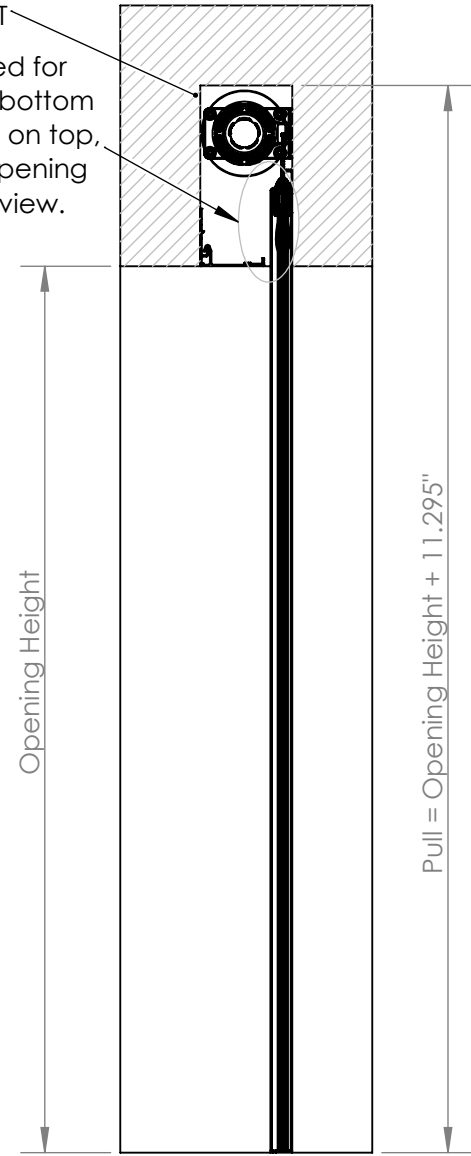
Tracks Recessed-Mounted

B



FRONT SIDE OF THE UNIT

Space reserved for slide bar and bottom seal/brushpile on top, clear of the opening for maximum view.



B

A

Note:

- Screen unit height can be reduced by cutting the tracks on site.
- Screen unit width is fixed and must be accurate when ordering.

A

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 ANGULAR ± 2
 TWO PLACE DECIMAL ± .013"
 THREE PLACE DECIMAL ± .005"

STANDARD TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED

INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5
 THIRD ANGLE PROJECTION

MATERIAL
 ASSY

DRAWN	SA	2025-12-15
CHECKED	PP	2025-12-15
ENG APPR.	PP	2025-12-15
MFG APPR.		
Q.A.		

TITLE: Mz2.0, 4" Recessed Roller, Sure Fit Track

SIZE	DWG. NO.	REV
A	EPN449	6

SCALE: 1:12 WEIGHT: SHEET 12 OF 16

2

1

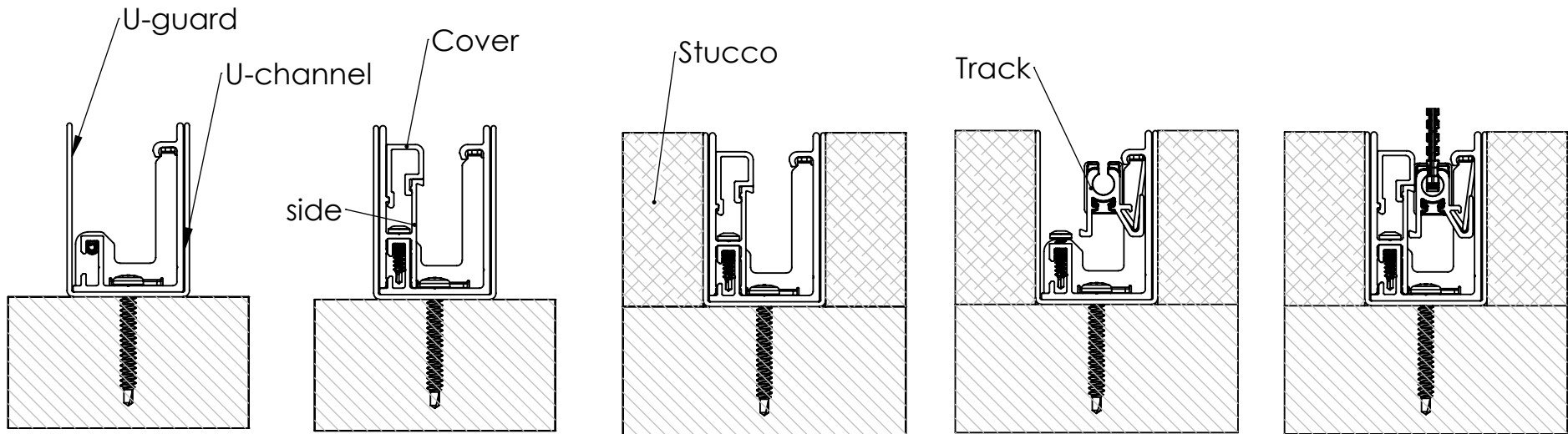
DOCUMENT NO. XXXXX-XX-XXX

Motorized Retractable Screen
4" Recessed Roller with Sure Fit Track
Stucco Build-Up Post with U-Guard
Tracks Recessed-Mounted

B

B

Track Installation Procedure with Stucco Build-up Posts



(A)
Mount U-channel
and U-guard

(B)
Install side
and cover

(C)
Build up the post

(D)
Remove U-channel
side and cover and
insert the track

(E)
Reinstall U-channel
side and cover

A

A

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INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5
 THIRD ANGLE PROJECTION

MATERIAL

ASSY

DRAWN

SA

2025-12-15

CHECKED

PP

2025-12-15

ENG APPR.

PP

2025-12-15

MFG APPR.

Q.A.

TITLE: Mz2.0, 4" Recessed Roller, Sure Fit Track

SIZE

DWG. NO.

REV

A

EPN449

6

SCALE: 1:12

WEIGHT:

SHEET 13 OF 16

Motorized Retractable Screen

4" Recessed Roller with Sure Fit Track

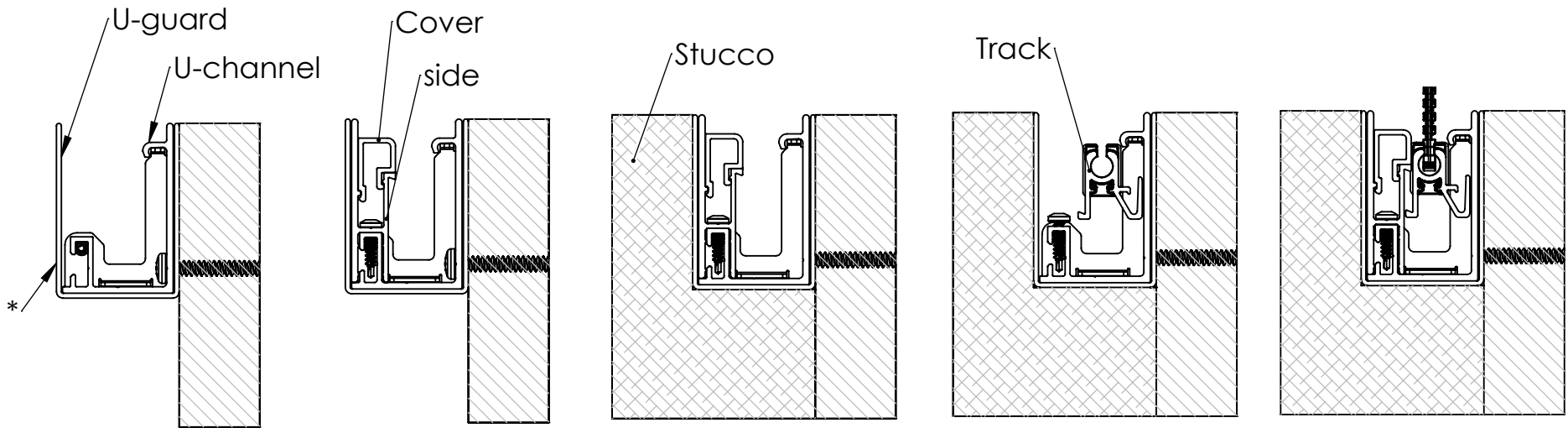
Stucco Build-Up Post with U-Guard

Tracks Surface-Mounted

B

B

Track Installation Procedure with Stucco Build-up Posts



(A) Mount U-channel and U-guard

(B) Install side and cover

(C) Build up the post

(D) Remove U-channel side and cover and insert the track

(E) Reinstall U-channel side and cover

A

A

* Predrill the U-guard to align with existing predrilled holes on the U-channel main. Mount both to the surface with screws. Cover the U-guard predrilled holes with tape to prevent stucco from entering the U-guard.

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		MATERIAL ASSY								

2

1

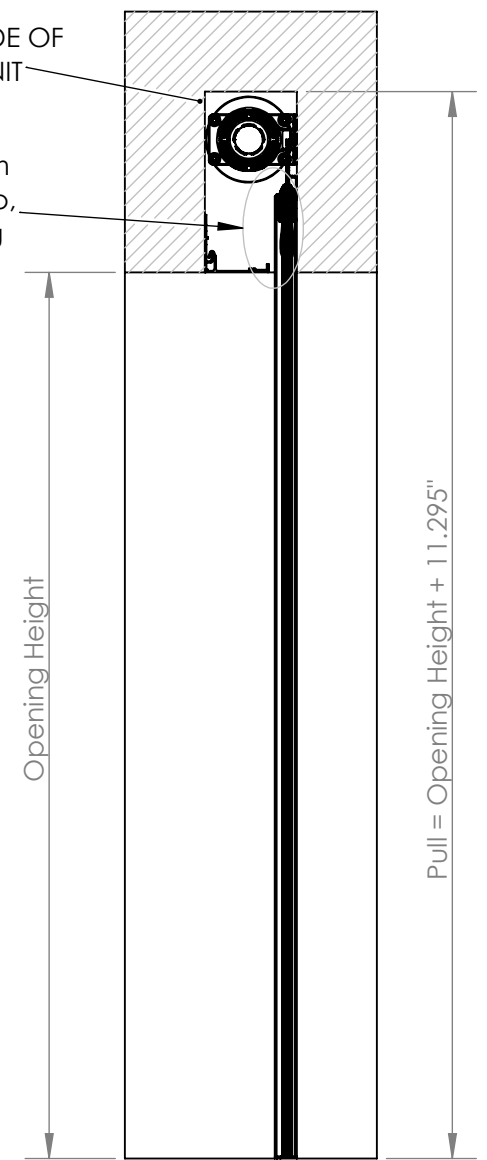
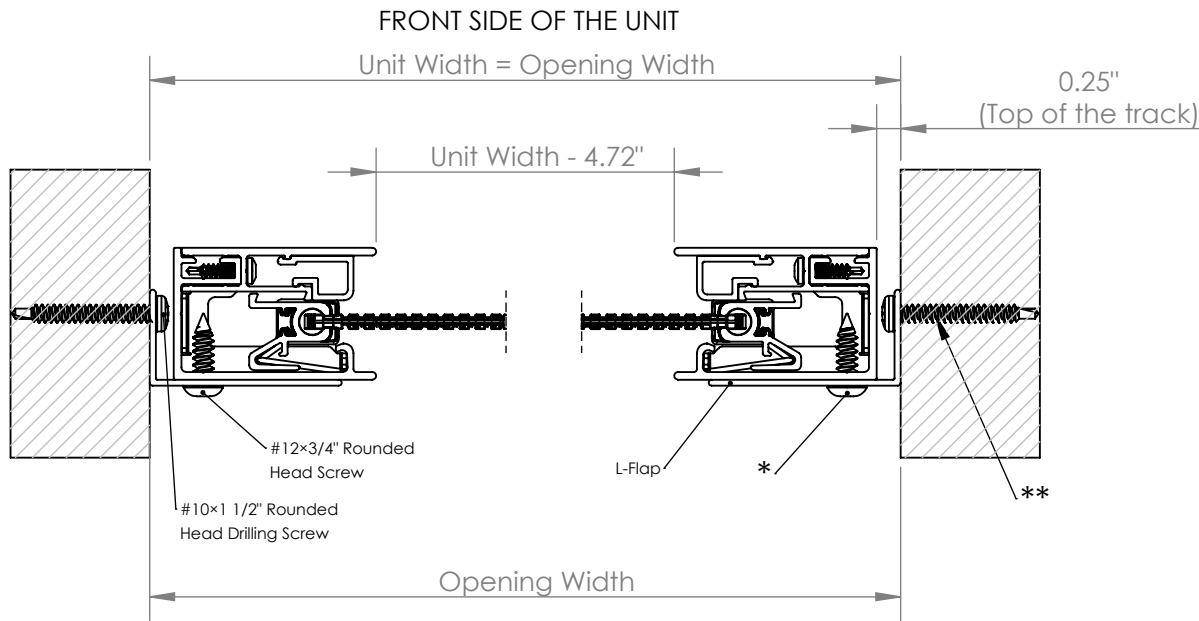
Motorized Retractable Screen
4" Recessed Roller with Sure Fit Track
L-Flap Used for Adjustment on Unparallel Posts
Tracks In-Jamb Positioned
Tracks Side Mounted (*)
L-Flap Mounted behind the Track ()**

B

B

FRONT SIDE OF THE UNIT


Space reserved for slide bar and bottom seal/brushpile on top, clear of the opening for maximum view.



A

A

- Note:**
- Screen unit height can be reduced by cutting the tracks on site.
 - Screen unit width is fixed and must be accurate when ordering.

PROPRIETARY AND CONFIDENTIAL		UNLESS OTHERWISE SPECIFIED:		STANDARD TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED		DRAWN SA 2025-12-15		TITLE: Mz2.0, 4" Recessed Roller, Sure Fit Track			
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 PHANTOM SCREENS		MATERIAL ASSY		MFG APPR.		ENG APPR. PP 2025-12-15		REV 6		SHEET 15 OF 16	
				Q.A.				SCALE: 1:12		WEIGHT:	

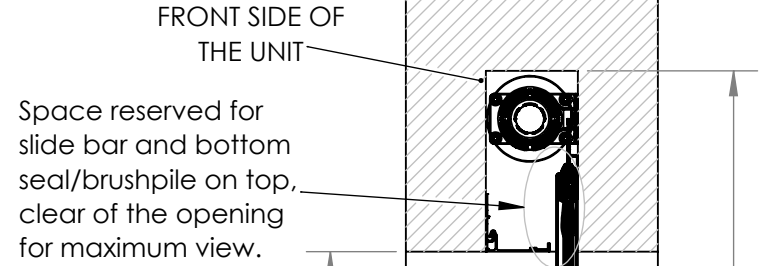
2

1

Motorized Retractable Screen
4" Recessed Roller with Sure Fit Track
L-Flap Used for Adjustment on Unparallel Posts
Tracks In-Jamb Positioned
Tracks Side Mounted (*)
L-Flap Mounted on the Side of the Track ()**

B

B



Opening Height

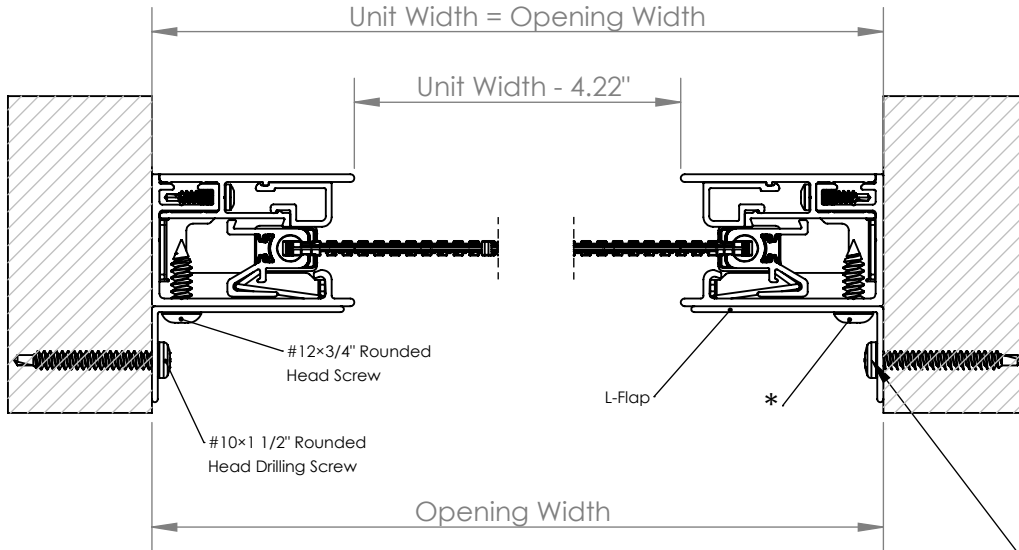
Pull = Opening Height + 11.295"

A

FRONT SIDE OF THE UNIT

Unit Width = Opening Width

Unit Width - 4.22"



Note:

- Screen unit height can be reduced by cutting the tracks on site.
- Screen unit width is fixed and must be accurate when ordering.

A

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		MATERIAL ASSY								