DIMENSIONS ARE TO BE USED AS A QUICK REFERENCE ONLY, ACTUAL SIZES MAY VARY.
SEE SECOND SHEET FOR ADDITIONAL INFORMATION.

IF YOU USE THIS GUIDE TO CONSTRUCT YOUR WALL OPENINGS, BE SURE TO DOUBLE CHECK YOUR ACTUAL ROUGH OPENING DIMENSIONS BEFORE APPROVING / RELEASING YOUR AD SYSTEMS SHOP DRAWINGS FOR THE FABRICATION OF YOUR DOORS.

IT IS YOUR RESPONSIBILITY TO ENSURE THAT YOUR WALL OPENINGS ARE THE CORRECT SIZE TO FIT THE PROJECT SPECIFIC DOORS THAT YOU ORDER.

NOTES:
* AD SYSTEMS STANDARD CLEAR OPENING WIDTH IS 36" X 83 1/2" (3'9" X 6'-11 1/2")
^ DOOR LEAVES OVER 48" WIDE ARE CONSIDERED "OVERSIZED". ADDITIONAL CHARGES AND LEAD TIMES WILL APPLY. SEE SECOND SHEET FOR ADDITIONAL INFORMATION.

DOOR PANEL WEIGHTS
FLUSH WOOD = ** 6 LBS PER SQ FT
ALUMINUM FRAME WITH 1/4" GLASS = ** 4 LBS PER SQ FT

MAXIMUM SIZE FOR DOOR PANELS:
<table>
<thead>
<tr>
<th>DOOR</th>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>WOOD</td>
<td>60&quot;</td>
<td>120&quot;</td>
</tr>
<tr>
<td>ALUMINUM FRAME WITH 1/4&quot; GLASS</td>
<td>120&quot;</td>
<td>108&quot;</td>
</tr>
</tbody>
</table>

• FOR PANELS LARGER THAN ABOVE PLEASE CONTACT CUSTOMER SERVICE AT CUSTOMERSERVICE@SPECADSYSTEMS.COM

WIDTH CALCULATIONS:
THE "CLEAR OPENING WIDTH" IS FROM THE INSIDE OF FRAME AT JAMB TO EDGE OF DOOR IN FULLY OPEN POSITION
• ROUGH OPENING = CLEAR OPENING TIMES (x) 2, THEN PLUS (+) 10 1/2"
• DOOR LEAF = CLEAR OPENING PLUS (+) 7 1/4"
• VALANCE WIDTH = ROUGH OPENING MINUS (-) 2"
• OVERALL FRAME = ROUGH OPENING PLUS (+) 2"

HEIGHT CALCULATIONS:
THE "CLEAR OPENING HEIGHT" IS FINISH FLOOR TO INSIDE OF FRAME AT HEAD
• ROUGH OPENING = CLEAR OPENING HEIGHT PLUS (+) 4 3/8"
• DOOR LEAF = CLEAR OPENING HEIGHT PLUS (+) 1/4"

SLIDER SIDELITE ONE SIDE LEAF DOORS

<table>
<thead>
<tr>
<th>InsetSlide Door Widths</th>
<th>InsetSlide Door Heights</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEAR OPENING</td>
<td>ROUGH OPENING</td>
</tr>
<tr>
<td>32&quot;</td>
<td>74 1/2&quot;</td>
</tr>
<tr>
<td>33&quot;</td>
<td>76 1/8&quot;</td>
</tr>
<tr>
<td>36&quot;</td>
<td>82 1/4&quot;</td>
</tr>
<tr>
<td>38&quot;</td>
<td>86 1/2&quot;</td>
</tr>
<tr>
<td>40 3/4&quot;</td>
<td>92&quot;</td>
</tr>
<tr>
<td>42&quot;</td>
<td>94 1/4&quot;</td>
</tr>
<tr>
<td>48&quot;</td>
<td>106 1/2&quot;</td>
</tr>
</tbody>
</table>

NOTES:
- MINIMUM ROUGH OPENING WIDTH REQUIRED TO ACCOMMODATE THE SPECIFIED CLEAR OPENING WIDTH.
- SIDELITE MUST MEET MINIMUM WIDTH REQUIREMENT, CAN BE MADE LARGER AS REQUIRED.

**NOTE:** PROJECT ENGINEER MUST DESIGN WALL HEADER TO WITHSTAND WEIGHS AND LOADS IMPOSED BY TOP HUNG DOOR SYSTEM.

AD SYSTEMS
INSETSLIDE SLIDER SIDELITE ONE SIDE ROUGH OPENING GUIDE

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www.specADsystems.com
1.425.374.1360

AD-11/2017
NOTES:
* AD SYSTEMS STANDARD CLEAR OPENING WIDTH IS 36" X 83 1/2" (3'-0" X 6'-11 1/2").
^ DOOR LEAVES OVER 48" WIDE ARE CONSIDERED "OVERSIZED".
ADDITIONAL CHARGES AND LEAD TIMES WILL APPLY.
SEE SECOND SHEET FOR ADDITIONAL INFORMATION.

DOOR PANEL WEIGHTS
FLUSH WOOD = ** 6 LBS PER SQ FT
ALUMINUM FRAME WITH 1/4" GLASS = ** 4 LBS PER SQ FT

MAXIMUM SIZE FOR DOOR PANELS:

<table>
<thead>
<tr>
<th>DOOR WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>WOOD: 60&quot;</td>
<td>120&quot;</td>
</tr>
<tr>
<td>ALUMINUM FRAME WITH 1/4&quot; GLASS: 120&quot; 108&quot;</td>
<td></td>
</tr>
</tbody>
</table>

FOR PANELS LARGER THAN ABOVE PLEASE CONTACT CUSTOMER SERVICE AT CUSTOMERSERVICE@SPECADSYSTEMS.COM

WIDTH CALCULATIONS:
THE "CLEAR OPENING WIDTH" IS FROM THE INSIDE OF FRAME AT JAMB TO EDGE OF DOOR IN FULLY OPEN POSITION
ROUGH OPENING = CLEAR OPENING PLUS (+) 6 1/2".
THEN TIMES (X) 2, THEN PLUS (+) CLEAR OPENING
DOOR LEAF = CLEAR OPENING PLUS (+) 7 1/4"
VALANCE WIDTH = ROUGH OPENING MINUS (-) 2"
OVERALL FRAME = ROUGH OPENING PLUS (+) 2"

HEIGHT CALCULATIONS:
THE "CLEAR OPENING HEIGHT" IS FINISH FLOOR TO INSIDE OF FRAME AT HEAD
ROUGH OPENING = CLEAR OPENING HEIGHT PLUS (+) 4 3/8"
DOOR LEAF = CLEAR OPENING HEIGHT PLUS (+) 1/4"

SLIDER SIDE/LITE BOTH SIDE LEAF DOORS

<table>
<thead>
<tr>
<th>Door Opening Widths</th>
<th>Door Heights</th>
</tr>
</thead>
<tbody>
<tr>
<td>36&quot; 1/2&quot;</td>
<td>83 1/2&quot;</td>
</tr>
<tr>
<td>40 3/4&quot;</td>
<td>87 7/8&quot;</td>
</tr>
<tr>
<td>42&quot; 1/2&quot;</td>
<td>88 1/8&quot;</td>
</tr>
<tr>
<td>46 1/4&quot;</td>
<td>88 3/4&quot;</td>
</tr>
<tr>
<td>50&quot;</td>
<td>89 1/8&quot;</td>
</tr>
</tbody>
</table>

2X8 LUMBER BACKING FOR TRACK SUPPORT BETWEEN WALL STUD. GWB TO BE SECURED TO FRAMING.
FACE OF BACKING MUST BE FLUSH WITH FACE OF STUDS TO AVOID WALL DAMAGE.
- NOT BY A.D.
DIMENSIONS ARE TO BE USED AS A QUICK REFERENCE ONLY, ACTUAL SIZES MAY VARY.

If you use this guide to construct your wall openings, be sure to double check your actual rough opening dimensions before approving/releasing your ad systems shop drawings for the fabrication of your doors.

It is your responsibility to ensure that your wall openings are the correct size to fit the project specific doors that you order.

Notes:
- AD systems standard clear opening height is
  83 1/2" (6'-11 1/2")
- Door leaves over 48" wide are considered "oversized". Additional charges and lead times will apply. See second sheet for additional information.

Door panel weights:
- Flush wood = **6 lbs per sq ft
- Aluminum frame with 1/4" glass = **4 lbs per sq ft
- Maximum size for door panels:
  - Door width: 60" 120"
  - Aluminum frame with 1/4" glass: 120" 108"
- For panels larger than above please contact customer service at customerservice@specadsystems.com

Width calculations:
The "clear opening width" is from the inside of frame at jamb to edge of door in fully open position.
- Rough opening = Clear opening times (x) 2, then plus (+) 16 3/8".
- Door leaf = Clear opening plus (+) 13 1/2", then minus (-) 1/8", then divide by (+) 2
- Valance width = Rough opening minus (-) 2"
- Overall Frame = Rough opening plus (+) 2"

Height calculations:
The "clear opening height" is finish floor to inside of frame at head.
- Rough opening = Clear opening height plus (+) 4 3/8".
- Door leaf = Clear opening height plus (+) 1/4"

Notes:
- Minimum rough opening width is required to accommodate the specified clear opening width.
- Both sidelites must meet minimum width, can be made larger as required.
- Most prefer symmetrical sidelites but different sizes are an option, as long as minimum is met for clearance.
- **Note: Project engineer must design wall header to withstand weights and loads imposed by top hung door system.

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**InsetSlide Door Widths**

<table>
<thead>
<tr>
<th>CLEAR OPENING</th>
<th>ROUGH OPENING</th>
<th>DOOR LEAF</th>
<th>FRAME WIDTH</th>
<th>OVERALL FRAME HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 5/8&quot;</td>
<td>117 5/8&quot;</td>
<td>32&quot;</td>
<td>119 5/8&quot;</td>
<td>83 1/2&quot;</td>
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<td>58 5/8&quot;</td>
<td>133 5/8&quot;</td>
<td>36&quot;</td>
<td>135 5/8&quot;</td>
<td>83 3/4&quot;</td>
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<td>62 5/8&quot;</td>
<td>141 5/8&quot;</td>
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<td>84&quot;</td>
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<td>66 5/8&quot;</td>
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<td>70 5/8&quot;</td>
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<td>159 5/8&quot;</td>
<td>89&quot;</td>
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<tr>
<td>76 5/8&quot;</td>
<td>169 5/8&quot;</td>
<td>45&quot;</td>
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<td>82 5/8&quot;</td>
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<td>48&quot;</td>
<td>183 5/8&quot;</td>
<td>95&quot;</td>
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<tr>
<td>90 5/8&quot;</td>
<td>197 5/8&quot;</td>
<td>52&quot;</td>
<td>199 5/8&quot;</td>
<td>100&quot;</td>
</tr>
</tbody>
</table>

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**InsetSlide Door Heights**

<table>
<thead>
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<td>52&quot;</td>
<td>199 5/8&quot;</td>
</tr>
</tbody>
</table>

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2x6 lumber backing for track support between wall stud, qwb to be secured to framing. Face of backing must be flush with face of studs to avoid wall damage. Not by ad.

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AD Systems
InsetSlide Bi-Parting Pair Sidelight Both Sides Rough Opening Guide

AD-11/2017
ALL EXISTING PRODUCT TESTING TO DATE HAS BEEN PERFORMED WITH 2X6 LUMBER BACKING IN THE WALL FOR ENTIRE LENGTH OF DOOR TRACK. THE BACKING IS REQUIRED TO PROVIDE ADEQUATE FASTENER PULL OUT RESISTANCE, AND ALSO INCREASED VERTICAL RESISTANCE TO "SEE-SAW" TILTING ACTION OF THE FASTENER OVER TIME DUE TO THE WEIGHT AND VIBRATION OF THE DOOR MOVEMENT.

USE OF ANY BACKING METHOD OR MATERIAL OTHER THAN 2X6 LUMBER BACKING, WOULD NEED TO BE VERIFIED BY THE CUSTOMERS AUTHORIZED PROJECT ENGINEER. AD SYSTEMS STANDARD WARRANTY WILL NOT COVER ANY ISSUES THAT RESULT FROM INADEQUATE WALL BACKING OR IMPROPER MOUNTING OF THE DOOR CARRIAGE TRACK.

#10 x 3" PHILLIPS PAN SELF DRILLING SCREW (PPHSDS) @ 12" O.C. MAX

2X6 LUMBER BACKING FOR TRACK SUPPORT BETWEEN WALL STUD. GWB TO BE SECURED TO FRAMING.

FACE OF BACKING MUST BE FLUSH WITH FACE OF STUDS TO AVOID WALL DAMAGE.

- NOT BY A.D.

DOOR HEAD

ROUGH OPENING

DOOR LEAF HEIGHT CLEAR OPENING

ROUGH OPENING

USE A MINIMUM OF 16 GA STUD FRAMING -- NOT BY AD

(6) #14 x 2" HEX HEAD SELF DRILLING SCREW (HHSDS) PER JAMB

STILE POCKET

DOOR LEAF WIDTH

DOOR JAMB

HIGH PERFORMANCE DOORS

INNOVATION BEHIND EVERY DOOR

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AD SYSTEMS

BACKING AT HEAD & MINIMUM STUD FRAME REQUIREMENTS

AND PERIMETER DOOR FRAME DIMENSIONAL REFERENCE

POINTS

AD.112017