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 IS 36" X 83 1/2" (3'-0" X 6'-11 1/2"
- DOOR PANEL WEIGHTS
  - FLUSH WOOD = 6.5 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>

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"
- DOOR LEAF = CLEAR OPENING PLUS (+) 7 1/4"
- VALANCE WIDTH = CLEAR OPENING TIMES (X) 2 PLUS (+) 10"

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

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.

INNOVATION BEHIND EVERY DOOR
WWW.SPECADSYSTEMS.COM
1.425.374.1360

AD SYSTEMS
SINGLE BARN DOOR
ROUGH OPENING GUIDE

AD-52317
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.

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.

#14 x 2 1/2" HEX HEAD SELF DRILLING SCREW (HHSDS) @ 12" O.C. MAX

ROUGH OPENING

DOOR HEAD

DOOR LEAF HEIGHT

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

USE A MINIMUM OF 16 GA STUD FRAMING NOT BY AD

DOOR JAMB

DOOR LEAF WIDTH

ROUGH OPENING

AD SYSTEMS
BACKING AT HEAD & MINIMUM STUD FRAME REQUIREMENTS AND PERIMETER DOOR FRAME DIMENSIONAL REFERENCE POINTS

Innovation behind every door
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AD-252017