



Progressive Engineering Inc.

L.E. JOHNSON PRODUCTS

ASTM E330 Positive Uniform Load Test
on 1500 Series Pocket Door Frame
(Horizontal) on 2x4 Lumber Framing

2/16/2017



This test report contains sixteen (16) pages, including the cover sheet. Any additions to, alterations of, or unauthorized use of excerpts from this report are expressly forbidden.

2017-326

1. TITLE

ASTM E330 Positive Uniform Load Test on 1500 Series Pocket Door Frame (Horizontal) on 2x4 Lumber Framing

2. OBJECTIVE

To verify that the provided interior wall test specimen meets a 5 PSF uniform design pressure with less than $l/180$ deflection and achieve a minimum of 2.5 times the design pressure.

This test report pertains only to the specimens tested. It remains the sole responsibility of the manufacturer to provide a product consistent to that which was tested.

3. TESTED FOR

L.E. Johnson Products, Inc.
2100 Sterling Ave.
Elkhart, IN 46516

4. TESTING ORGANIZATION

Progressive Engineering Inc.
58640 State Road 15
Goshen, IN 46528
www.p-e-i.com

See IAS Evaluation Report TL-178 for ISO 17025 Accreditation.

5. TESTING PERSONNEL

Director of Testing - Jason R. Holdeman
Project Manager - Jacob Bontrager
Technician - Chris Stutzman



Test was witnessed by Stephen Johnson with L.E. Johnson Products.

6. REFERENCE STANDARDS

ASTM E330 - 14 Standard Test Method For Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference

7. TEST EQUIPMENT

- A. Water manometer (PEI No. 076)
- B. Pressure Transducer (PEI No. 970)
- C. Vacuum test fixture (PEI No. 372)
- D. Three (3) 4" linear transducers (PEI Nos. 890, 891 and 892)
- E. Data Acquisition System (PEI No. 523)

8. TEST SPECIMEN

- A. Pocket Door Frame

1500 Series Pocket Door Frame - Three (3) boxes each containing a 153068PF Pocket Door Frame assembly were supplied by L.E. Johnson Products and were manufactured on 01/13/17, 02/02/17, and 12/22/16. The assembly consisted of a steel studs with lumber inserted, a header, brackets, and other hardware.

- B. Gypsum Panel

The gypsum panel was 1/2" thick locally purchased drywall.

- C. Frame
2 x 4 No. 2 Grade SPF Lumber with an average moisture content of 12%.
- D. Fasteners
 1. Wooden Frame - #8 x 3" long washerhead screws.
 2. Split Stud to Header - 6d 2" Bright Common nails.
 3. Split Stud to Bottom Plate / Floor - #8 x 1-1/2" long washerhead wood screw.
 4. Gypsum to Frame - #6 x 1" long Bugle Head drywall screw, with an average head diameter of .323" and an average shank diameter of .146".

9. TEST SPECIMEN CONSTRUCTION

- A. A 2x4 frame with a rough opening of 36" x 84-1/4" was assembled using two (2) #8 x 3" washerhead screws per stud end. This frame simulated the 2x4 framing of an existing wall, in which the 1500 Series Pocket Door Frame would be installed. The left side of the frame is the "Wall Side" and the right side of the frame is the side in which the door slides, aka "Door Side". The scope for this testing covers the wall which hides the door, not the walkway, so the walkway is not incorporated into the frame.
- B. The Pocket Wall Material provided in the kit, including the header, end plate, steel split studs, and brackets were assembled as per the provided client instructions. One set of slip studs was installed at the center of the 36" opening, and the other set of split studs was installed on the far right side, aka "Door Side". The split studs were nailed to the header with two (2) 6d x 2" long Bright Common nails per stud. The bottom of the slip studs attached to a bracket, which was screwed to the 2x4 frame with two (2) #8 x 1-1/2" long washerhead wood screws.
- C. A 1/2" x 37-1/2" x 87-1/4" sheet of the gypsum was laid on the pre-assembled frame. The gypsum was installed on the 2x4 framing on the "Wall Side" of the frame, over to the split stud of the "Door Side" of the frame. A deflection measurement was taken to determine how much the test sample deflected when the weight of the gypsum was applied to the split stud. This was recorded as the "Dead Load".
- D. A total of three (3) specimens were constructed by PEI personnel, with vertically oriented gypsum. Vertical indicates that the long edge of the panel is parallel to the studs. The fasteners were placed 12" o.c. around the perimeter and 12" o.c. along the center of the field studs with the heads set flush or slightly below the board surface. The perimeter fasteners were spaced 3/4" in from the edge of the sheathing. See the attached drawing for details.

10. TEST SET-UP

A test sample was placed in a test fixture with the gypsum side facing up. The 2x4 frame was supported with a total of six (6) legs. A 2 mil thick piece of plastic sheeting was loosely draped over the wall frame. The edges of the polyethylene sheeting were taped to the test fixture. Three (3) linear transducers were positioned on the "Door Side" of the frame (point of greatest deflection) relative to the test fixture; one (1) on the corner of the header plate, one (1) on the corner of the bottom plate and the third at the center of the split stud.

11. TEST PROCEDURE

The data acquisition system was initiated and set to record continuously throughout the test. Load was increased until a vacuum pressure of 5 PSF was applied to test sample. The load was held for one (1) minute. Load was then increased until a load of at least 15 PSF was applied to the test sample. This load was also held for a duration of one (1) minute. Load was then released. After 60 seconds of no load, another reading was taken, to measure the permanent deformation.

On the third test sample, after the previous steps were completed, load was increased until a failure occurred.

Failure is considered, board flexural failure, board pull-over at a fastener, fastener withdrawal from the frame, and/or frame failure. The maximum load, in PSF, was recovered from the data acquisition system.

The load was applied a gradual rate of approximately 0.5 PSF per second, and not in excess of 2.0 PSF per second.

Note: Periodically during the testing, a water manometer was used as a secondary verification device.

12. TEST RESULTS

Design Load 5 PSF

Design Load Deflection Limit: $l/180 = 84-1/4" / 180 = 0.468"$

Safety Factor: 2.5

Minimum Allowable Max Load: 12.5 PSF

ASTM E330 Positive Uniform Load Test

1500 Series Pocket Door Frame

| Test No. | Deflection at 5 PSF | Max Load | Result |
|---------------------------|---------------------|----------|--------|
| Sample #1 | .357" | 17.3 PSF | Pass |
| Sample #2 | .344" | 16.5 PSF | Pass |
| Sample #3 | .401" | 74.2 PSF | Pass |
| Average | .367" | | |
| <i>Standard Deviation</i> | .024" | | |
| <i>COV%</i> | 6.6% | | |

See attached data pages for details.

13. CONCLUSION

The 1500 Series Pocket Door Frame, constructed for a 36" door for worst-case scenario, withstood a 5 PSF Design pressure without exceeding the $l/180$ deflection limit, and exceeded the ultimate load requirement of 12.5 PSF.

Progressive Engineering Inc.

ASTM E330 Negative Wind Load

Date: 2/16/2017

Client: L.E. Johnshon Products

Specimen: 1500 Series Pocket Door Frame

1/2" x 37-1/2" x 84-1/4" gypsum panel screwed to a Pocket Panel Door assembly, with studs spaced 18" o.c.

Test Conditions

Temperature: 70°F

Humidity: 15%

Board Thickness: 1/2"

Board Orientation: **Vertical**

Fastener Spacing: 12" per x 12" field

Fastener Type: #6 x 1" Screw

Wall Height: 84-1/4"

Dead Load: 1.2 PSF

Defl. Requirement: < 0.468" @ 5 PSF

Safety Factor: 2.5

Load Requirement: 12.5 PSF

Test Sample #1

| Target Ultimate Load | | Pre Load | | Linear Transducer Location | | |
|----------------------|---------------------|---------------------|----------------|---------------------------------------------------------|----------------|-------------------------------------|
| 12.5 PSF | | N/A | N/A | LVDT's set on the door opening side as indicated below. | | |
| Load in PSF | Test Time (MM:SS.0) | Deflection (inches) | | | | Comments/Observations |
| | | Bottom Plate | Center of Stud | Top Plate | Net Deflection | |
| 0.0 | -- | 0.000 | 0.000 | 0.000 | 0.000 | Gypsum Panel Not Applied |
| Dead Load | 00:00.0 | 0.000 | 0.187 | 0.000 | 0.000 | With Gypsum Panel Attached to frame |
| 5.2 | 00:34.3 | 0.001 | 0.357 | 0.000 | 0.357 | |
| 6.6 | 01:48.2 | 0.002 | 0.476 | 0.000 | 0.475 | |
| 15.1 | 02:20.3 | 0.010 | 1.197 | 0.000 | 1.192 | |
| 17.3 | 02:34.1 | 0.014 | 1.402 | 0.002 | 1.394 | Max Load |
| 16.9 | 03:42.2 | 0.014 | 1.405 | 0.003 | 1.397 | |
| Dead Load | 04:53.0 | 0.012 | 0.466 | 0.008 | 0.456 | Taken after 60 seconds with no load |

Max Load: **17.3 PSF**

Failure: No failure occurred. Load was released after 15+ PSF load was held for at least 60 seconds.

Progressive Engineering Inc.

ASTM E330 Negative Wind Load

Date: 2/16/2017

Client: L.E. Johnshon Products

Specimen: 1500 Series Pocket Door Frame

1/2" x 37-1/2" x 84-1/4" gypsum panel screwed to a Pocket Panel Door assembly, with studs spaced 18" o.c.

Test Conditions

Temperature: 70°F

Humidity: 15%

Board Thickness: 1/2"

Board Orientation: **Vertical**

Fastener Spacing: 12" per x 12" field

Fastener Type: #6 x 1" Screw

Wall Height: 84-1/4"

Dead Load: 1.2 PSF

Defl. Requirement: < 0.468" @ 5 PSF

Safety Factor: 2.5

Load Requirement: 12.5 PSF

Test Sample #2

| Target Ultimate Load | | Pre Load | | Linear Transducer Location | | |
|----------------------|---------------------|---------------------|----------------|---------------------------------------------------------|----------------|-------------------------------------|
| 12.5 PSF | | N/A | N/A | LVDT's set on the door opening side as indicated below. | | |
| Load in PSF | Test Time (MM:SS.0) | Deflection (inches) | | | | Comments/Observations |
| | | Bottom Plate | Center of Stud | Top Plate | Net Deflection | |
| 0.0 | -- | 0.000 | 0.000 | 0.000 | 0.000 | Gypsum Panel Not Applied |
| Dead Load | 00:00.0 | 0.000 | 0.187 | 0.000 | 0.000 | With Gypsum Panel Attached to frame |
| 5.1 | 00:10.7 | 0.001 | 0.344 | 0.000 | 0.344 | |
| 6.5 | 01:23.3 | 0.003 | 0.459 | 0.000 | 0.458 | |
| 12.8 | 01:43.8 | 0.012 | 0.677 | 0.001 | 0.670 | |
| 16.5 | 02:24.3 | 0.019 | 0.771 | 0.010 | 0.756 | Max Load |
| 16.1 | 03:15.5 | 0.019 | 0.786 | 0.011 | 0.771 | |
| Dead Load | 04:36.1 | 0.007 | 0.347 | 0.006 | 0.340 | Taken after 60 seconds with no load |

Max Load: **16.5 PSF**

Failure: No failure occurred. Load was released after 15+ PSF load was held for at least 60 seconds.

Progressive Engineering Inc.

ASTM E330 Negative Wind Load

Date: 2/16/2017

Client: L.E. Johnshon Products

Specimen: 1500 Series Pocket Door Frame

1/2" x 37-1/2" x 84-1/4" gypsum panel screwed to a Pocket Panel Door assembly, with studs spaced 18" o.c.

Test Conditions

Temperature: 70°F

Humidity: 15%

Board Thickness: 1/2"

Board Orientation: **Vertical**

Fastener Spacing: 12" per x 12" field

Fastener Type: #6 x 1" Screw

Wall Height: 84-1/4"

Dead Load: 1.2 PSF

Defl. Requirement: < 0.468" @ 5 PSF

Safety Factor: 2.5

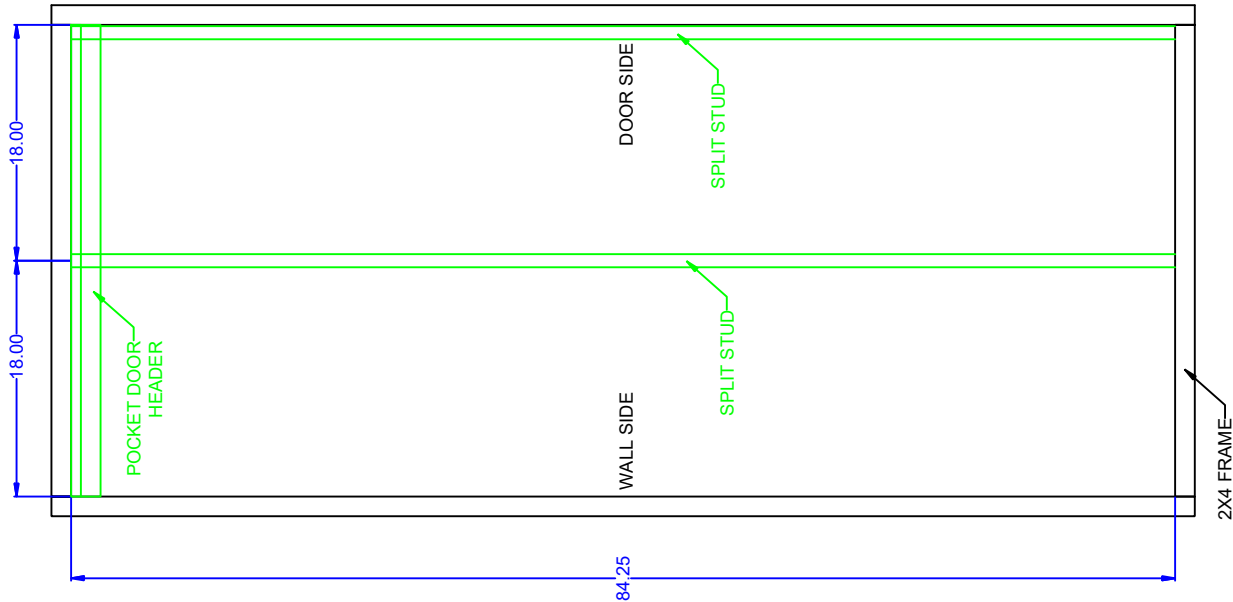
Load Requirement: 12.5 PSF

Test Sample #3

| Target Ultimate Load | | Pre Load | | Linear Transducer Location | | |
|----------------------|---------------------|---------------------|----------------|---------------------------------------------------------|----------------|-------------------------------------|
| 12.5 PSF | | N/A | N/A | LVDT's set on the door opening side as indicated below. | | |
| Load in PSF | Test Time (MM:SS.0) | Deflection (inches) | | | | Comments/Observations |
| | | Bottom Plate | Center of Stud | Top Plate | Net Deflection | |
| 0.0 | -- | 0.000 | 0.000 | 0.000 | 0.000 | Gypsum Panel Not Applied |
| Dead Load | 00:00.0 | 0.000 | 0.187 | 0.000 | 0.000 | With Gypsum Panel Attached to frame |
| 5.0 | 00:12.5 | 0.003 | 0.403 | 0.002 | 0.401 | |
| 12.8 | 01:42.4 | 0.021 | 1.009 | 0.006 | 0.996 | |
| 16.8 | 03:00.8 | 0.033 | 1.312 | 0.006 | 1.292 | |
| Dead Load | 04:22.3 | 0.008 | 0.381 | -0.002 | 0.378 | Taken after 60 seconds with no load |
| 74.2 | 05:23.7 | N/A | N/A | N/A | N/A | |

Ultimate Load: **74.2 PSF**

Failure: The gypsum panel failed in flexure between the split stud and 2x4 frame.



THIS DRAWING IS A PART OF TEST REPORT NO. 2017-326

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pei

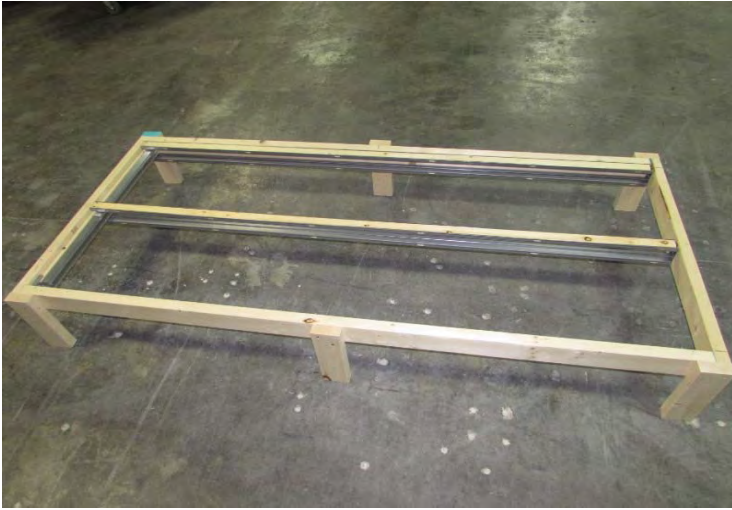
58640 State Road 15
Goshen, IN 46528
Phone (574) 533-0337
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www.p-e-i.com

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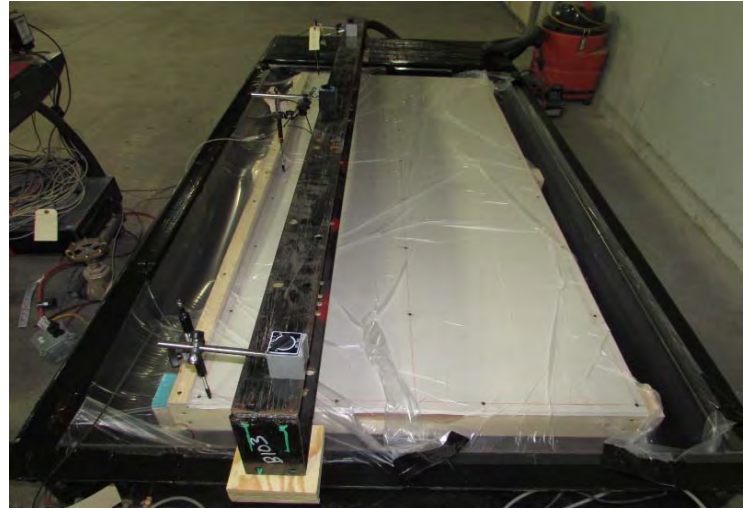
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| DWN. BY: J. BONTRAGER | REVISED ON: | CLIENT: |
| DATE: 2/16/2017 | | L.E. JOHNSON |
| SCALE: | | PRODUCTS |
| JOB NO.: | | TITLE: |
| DWG. NO.: | | POCKET DOOR |
| | | TEST SPECIMEN |
| | | B1 |

Progressive Engineering Inc.

1500 Series Pocket Door Frame



Typical Test Frame



Typical Test Setup



Typical Sample After Testing



Test Sample #1 After Testing

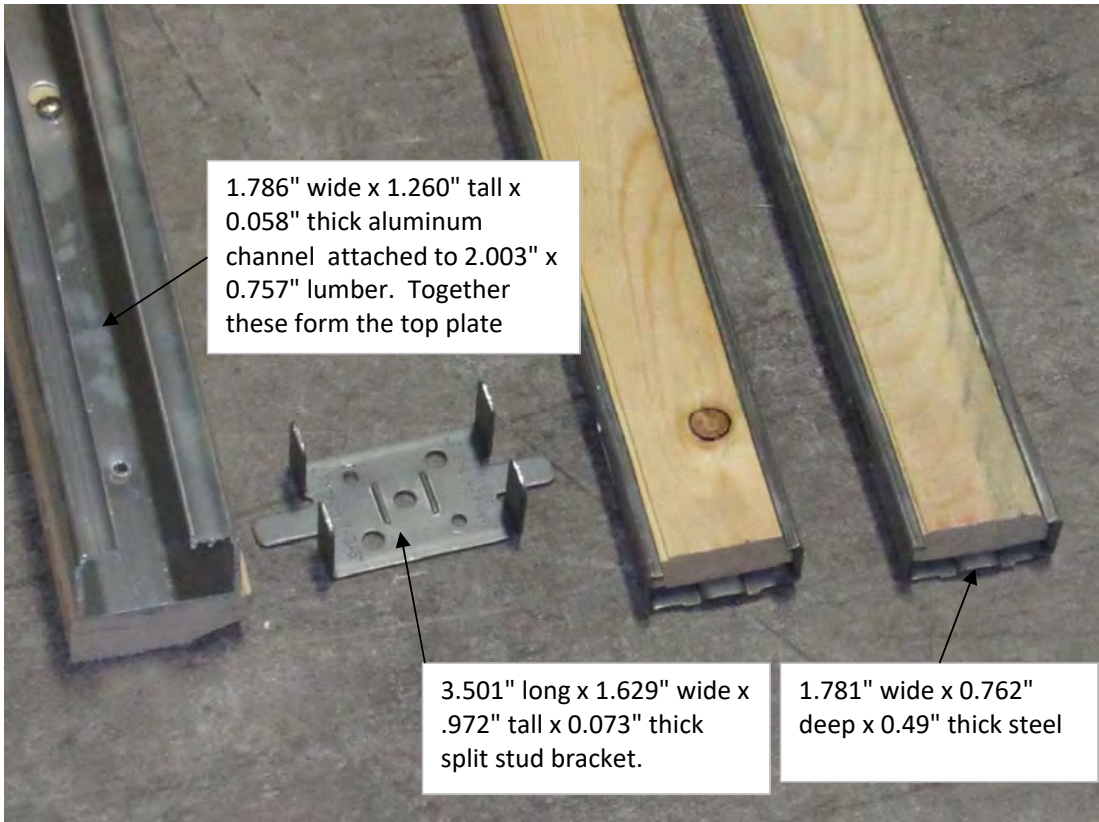


Test Sample #3 Failure



Test Sample #3 Failure

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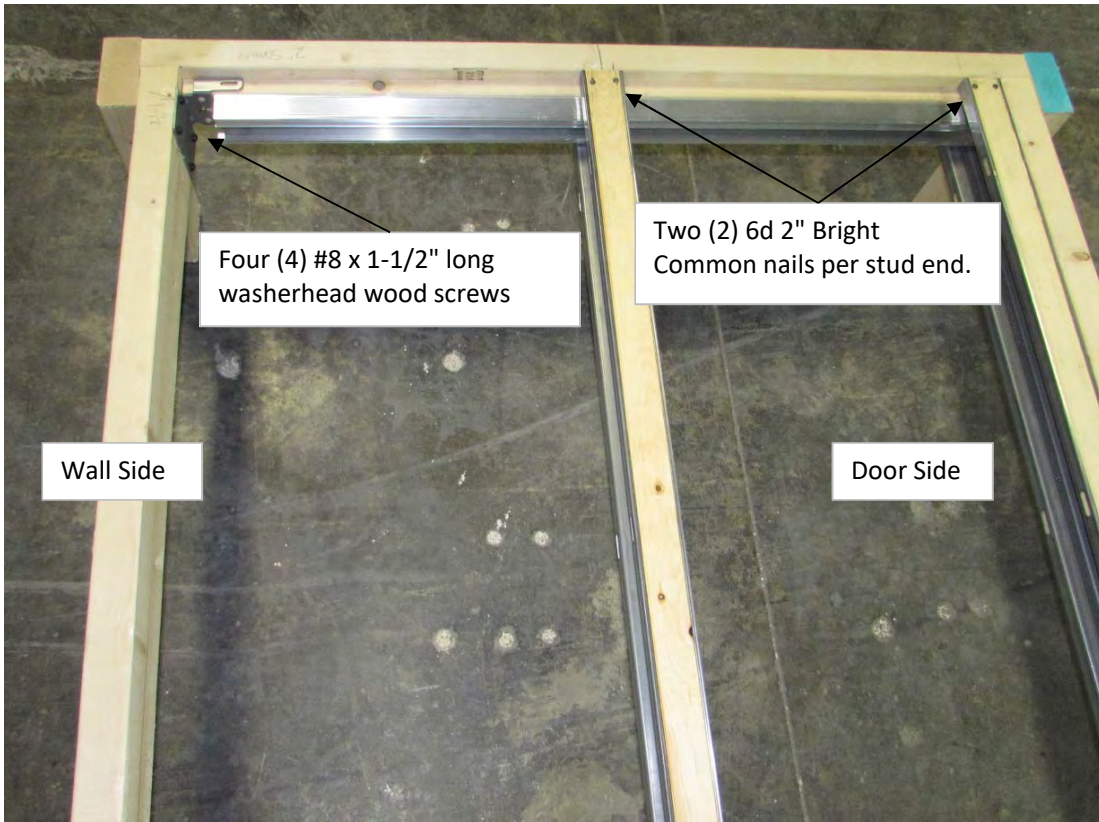


Pocket Door Hardware (Header, Slit Stud Bracket, Split Studs)

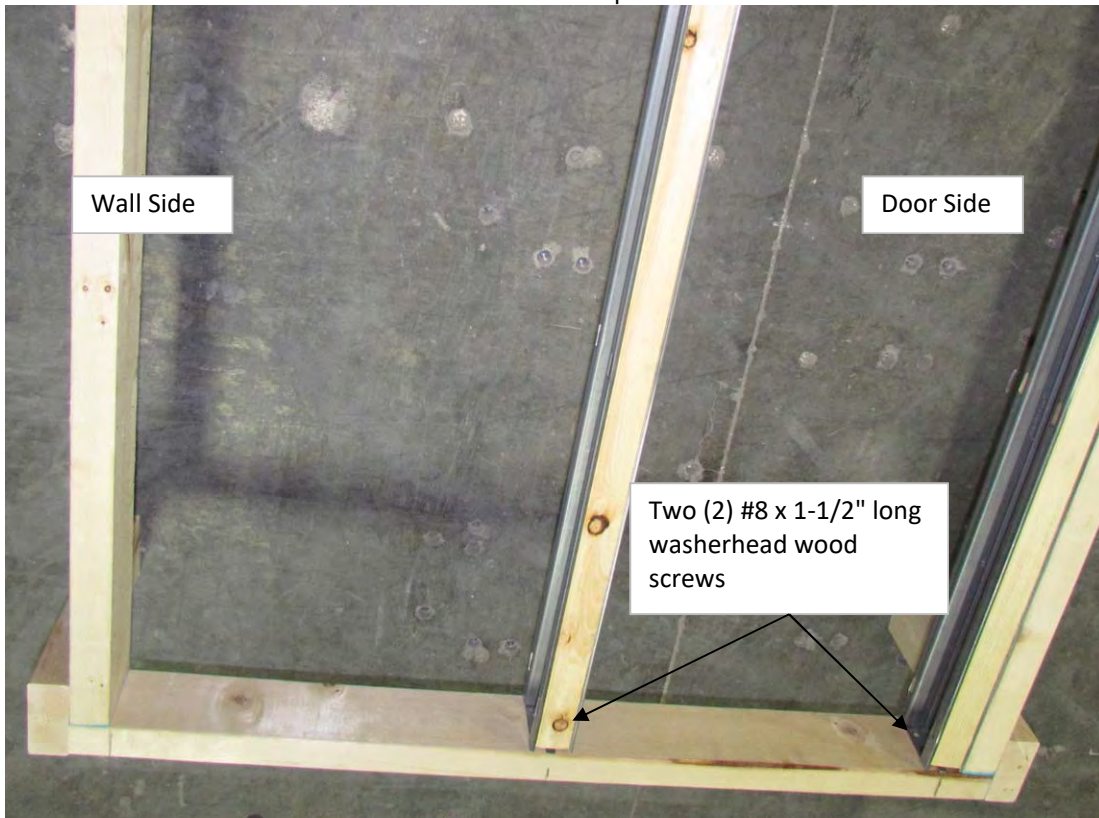


Top Plate End Plate

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Connection to Top Plate



Connection to Floor



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APPENDIX

L.E. JOHNSON PRODUCTS

2017-326



www.johnsonhardware.com

INSTALL VIDEO



INSTRUCTIONS

1500 SERIES POCKET DOOR FRAME

1500 MADE FOR 2" X 4" STUD WALLS

For 1" (25mm) to 1-3/4" (45mm) doors to 125 lbs. (56 kgs). Doors weighing up to 200 lbs. (90 kgs) can be used when optional 1125 ball bearing hangers are used.
***With 1-3/4" (45mm) doors, use 1575 Adapter Kit.**
Para puertas de 25mm a 45mm y de hasta 56 kg. Las puertas que pesan hasta 90 kg. pueden ser usadas cuando se utilizan los Colgadores opcionales de Rodamiento de Bolas 1125.
***Para puertas de 45mm, use el Adaptador Modelo 1575.**
Pour portes de 25mm à 45mm pesant 56 kg. Les portes pesant jusqu'à 90 kg. peuvent être utilisées lorsque les crochets optionnels à rotule réf. 1125 sont utilisés.
***Avec les portes de 45mm, utilisez le Kit Adaptateur réf. 1575.**

IMPORTANT

With 1-3/4" (45mm) Doors, use 1575 Adapter Kit
Para puertas de 45mm, use el Adaptador Modelo 1575
Avec les portes de 45mm, utilisez le Kit Adaptateur réf. 1575

1500 SERIES SET NUMBERS AND SIZES

152068PF FOR 1-24" (609mm) X 80" (2,03m) Door, Puerta, Porte
152468PF FOR 1-28" (710mm) X 80" (2,03m) Door, Puerta, Porte
**152668PF FOR 1-30" (761mm) X 80" (2,03m) Door, Puerta, Porte
152868PF FOR 1-32" (812mm) X 80" (2,03m) Door, Puerta, Porte
**153068PF FOR 1-36" (913mm) X 80" (2,03m) Door, Puerta, Porte

**All purpose frames, marked to cut to shorter lengths.

**Marcos universales, marcados para ser cortados a longitudes menores.

**Montants à usage multiple, marqués pour être coupés plus court.

CONVERGING DOORS REQUIRE TWO FRAMES AND THE 1555 CONVERGING DOOR KIT.

Frames for Doors up to 60" (1.27m) wide and 108" (2.74m) high are available.

Hay marcos disponibles para Puertas de hasta 1,27m de ancho 2,74m de alto.

Des montants pour Portes jusqu'à 1,27m en largeur et 2,74m en hauteur. Sont disponibles.

NOTE: Instructions are for a 80" (2,03m) door, if door is shorter, lower header and cut bottom ends of Split Studs, if door is taller than 80" (2m), order longer Split Studs and raise header.

NOTA: Las instrucciones son para una puerta de 2,03m. Si la puerta es mas corta, baja la cabecera y corte los extremos de abajo de las jambas divididas. Si la puerta es más alta que 2,03m, ordene piezas verticales más largas y suba la cabecera.

NOTE: Les instructions se réfèrent à la porte de 2,03m, Si la porte est plus petite, abaissez le guide et coupez les extrémités des montants de séparation. Si la porte est haute que 2,03m, commandez des montants plus longs et rehaussez le guide.

1 CONSTRUCT ROUGH OPENING Header must be **SQUARE** and **PLUMB** with studs and **LEVEL**. Minimum Height is 84 1/2" (2,14m) width is 2X Door width plus 1" (25mm).

CONSTRUYA LA ABERTURA PRELIMINAR. La cabecera debe de estar en **ESCUADRA** y **A PLOMO** con los montantes y a **NIVEL**. La Altura Minima es de 2,14m, el Ancho es de 2X Ancho de Puerta mas 25mm.

CONSTRUISEZ L'OUVERTURE BRUTE. Le guide doit être perpendiculaire et d'aplomb avec les montants ainsi qu'à niveau. La hauteur minimale est de 2,14m. La largeur correspond à 2X porte plus 25mm.

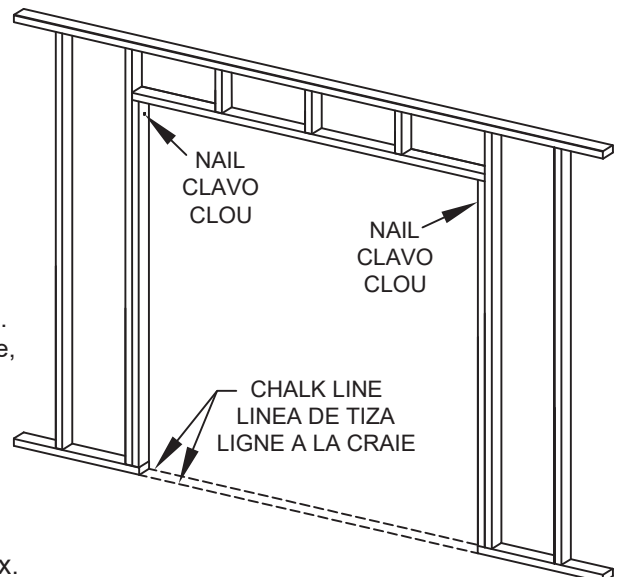
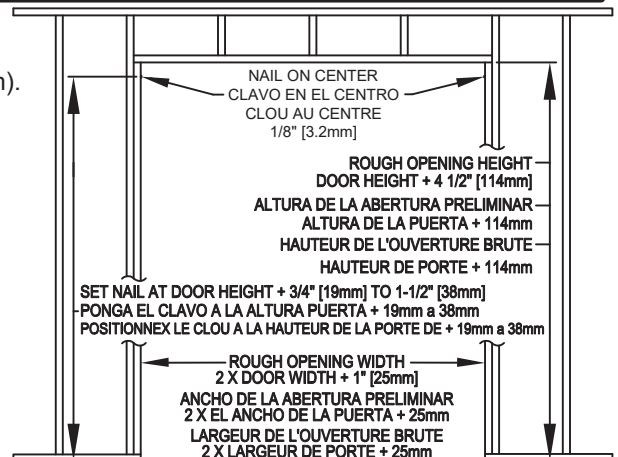
2 Measure up from finished floor 80-3/4" (2.05m) or from sub-floor to 81-1/2" (2.07m). This will give 3/4" (19mm) to 1-1/2" (38mm) clearance under door. Mark each rough stud and drive a flat head nail on center, leaving 1/8" (3mm) protruding. (**Frame header end brackets will rest on these nails.**)

Mida 2.05m desde el piso terminado ó 2.07m desde el sub-piso. Esto dará una separación de 19mm hasta 38mm debajo de la puerta. Marque cada montante y clave un clavo de cabeza plana en el centro de cada una, dejando 3mm afuera, (**Los soportes de los extremos de la cabecera del marco se apoyaran en estos clavos.**)

Mesurez 2,05m à partir du sol fini ou bien 2,07m à partir du sous plancher. Ce qui va donner un jeu de 19mm à 38mm sous la porte. Marquez chaque montant et enfoncez un clou à tête plate au centre, en laissant dépasser 3mm. (**Les crochets du linteau reposeront sur ces clous.**)

3 Snap a chalk line on floor even with side jambs.
Marque una linea con un cordel entizado en el piso que concuerde con las jambas laterales.

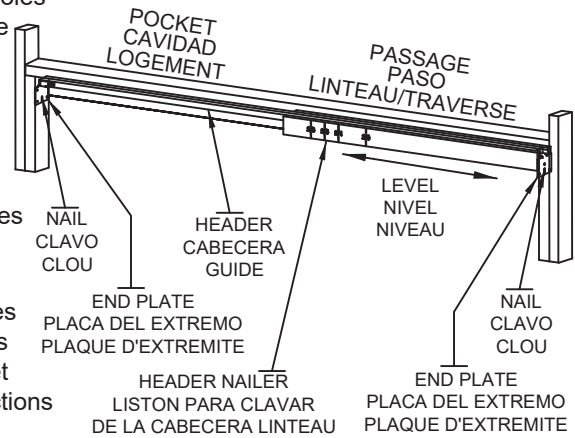
Tracez à craie une ligne au sol parallèle aux montants latéraux.



4 Slip slots in Frame Header End Plates over nails in rough studs. LEVEL HEADER. Set nails and drive nails through remaining holes in end plates. (If you have the 2/6" (761mm) or Universal Frame and using another size door, see cutting instructions on page 4.)

Encaje la ranuras que estan en las Placas de los Extremos de la Cabecera del Marco en los clavos que estan en los montantes. Alinee los clavos y clavelos en los orificios restantes en las placas de los extremos. (Si usted tiene el Marco de 761mm o el Marco Universal y esta usando puerta de otro tamaño, vea las instrucciones de corte en la página 4.)

Glissez les encoches des extrémités du linteau sur les clous fixés dans les montantes bruts. Mettez le guide à niveau. Positionnez les clous et enfoncez les au travers des trous restants dans les plaques des extrémités. (Si vous avez le montant universel ou de 761mm et utilisez une dimension de porte différente, référez vous aux intructions de coupe page 4.)



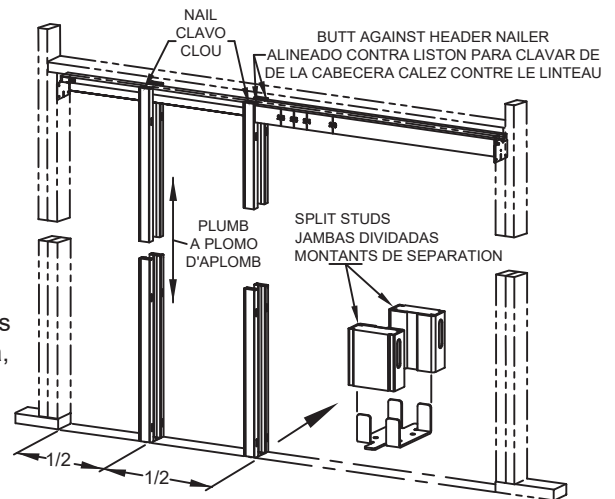
5 (Note: If using 1-3/4" (45mm) door, use 1575 Adapter Kit.)

Slip fingers of Floor Plate into Split Studs as shown.

Butt Split Studs against header nailer and nail into place. Nail other Split Studs midway in "Pocket" opening. Plumb Split Studs between chalk lines and nail to floor. (On masonry, use industrial adhesive or Tapcon fasteners.)

(Nota: Si esta usando una puerta de 45mm, use el Adaptador Modelo 1575). Encaje las aletas de la Placa del Piso en las Jambas Divididas tal como se muestra. Una a tope la jamba dividida contra el Listón para Clavar de la Cabecera y clavela en su lugar. Clave la otra jamba dividida en la mitad de la abertura de la "Cavidad". Alinee verticalmente las jambas divididas ntre la linea de tiza y clavelos al piso. (En el caso de mampostería, use un adhesivo de tipo industrial o sujetadores Tapcon.)

(Note: Si vous utilisez la porte de 45mm, utilisez le kit adaptateur réf. 1575) Insérez, comme indiqué, les doigts des plaques de sol dans les montants de séparation. Calez le montant de séparation contre le linteau et clouez en place. Clouez l'autre montant de séparation au milieu de l'ouverture "de poche". Mettez d'aplomb les montants entre les lignes tracées à la craie et clouez au sol. (Sur de la maçonnerie, utilisez un adhésif industriel ou de boulons Tapcon.)

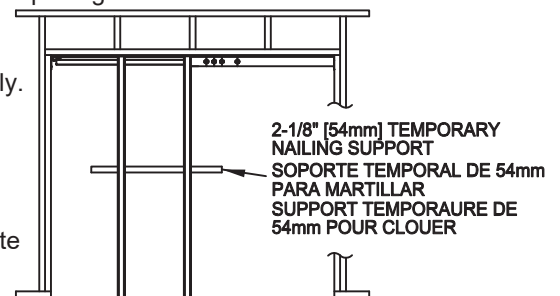


6 Apply desired wall material. Wall material is brought clear to edge of opening.

WARNING: Use nails no longer than necessary. Nails must not protrude into pocket or door will be damaged. To provide a firm nailing surface, slip a 2-1/8" (54mm) wide board between Split Studs temporarily.

Coloque el material deseado para la pared. El material de la pared debe ser puesto hasta quedar justo al borde de la abertura. **ADVERTENCIA:** No use clavos mas largos de lo necesario. Los clavos no deben sobresalir en la cavidad o se dañará la puerta. Para proveer una superficie firme para clavar, introduzca temporalmente una tabla de 54mm de ancho entre las jambas divididas.

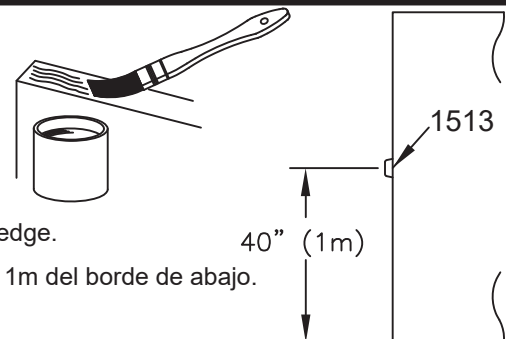
Appliquez les matériaux muraux désirés. Le matériau mural est appliqué jusqu'au cadre l'ouverture. **ATTENTION:** N'utilisez que des clous de longueur adéquate. Les clous ne doivent pas dépasser dans la poche sinon la porte sera endommagée. Afin de clouer sur une surface rigide, insérez temporairement une planche de 54mm de largeur entre les montants de séparation.



7 Seal all edges and face of door panel with paint or sealing stain.

Selle todos los bordes y la superficie del entrapaño de la puerta con pintura o barniz para sellar.

Recouvrez de peinture ou de teinture tous les cotés et toutes les faces des panneaux de porte.



8 Fasten 1513 Bumper on back edge of door 40" (1m) from bottom edge.

Coloque el Tope 1513 en el borde de la parte trasera de la puerta y a 1m del borde de abajo.

Fixez le butoir réf. 1513 sur coté de la porte à 1m du bas.

9 A/Attach door plate 1121 on top of door 2-3/4" (70mm) from each edge with lock tab on same side.

B/ Insert hangers 1120 into track alternating wheel wheel positions for even weight distribution.

C/ Mount door by locating door plate 1121 under adjusting bolt of 1120 hanger. Lift door and push bolt into door plate. Repeat with other hanger/door plate.

A/ Coloque la placa de la puerta 1121 sobre la puerta a 70mm de cada borde con las aletas de ajuste en el mismo lado.

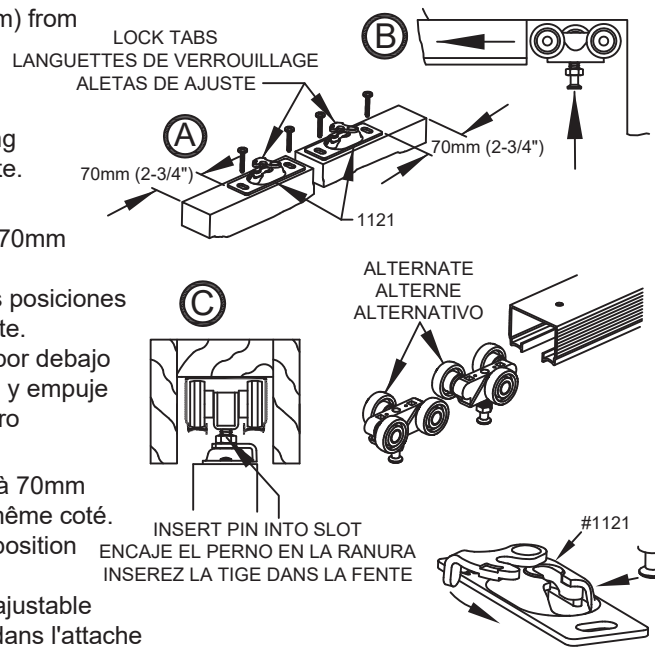
B/ Coloque los colgadores 1120 en el riel alternando las posiciones de las ruedas para que el peso se distribuya uniformemente.

C/ Instale la puerta ubicando la placa de la puerta 1121 por debajo del perno de ajuste del colgador 1120. Levante la puerta y empuje el perno dentro de la placa de la puerta. Repita con el otro colgador/placa de la puerta.

A/ Fixez les attaches de porte 1121 au haut de la porte, à 70mm de chaque coin avec les loquets de fixation orientés du même côté.

B/ Insérez les roulettes 1120 dans le rail en alternant la position des roues pour une meilleure distribution du poids.

C/ Montez la porte en plaçant l'attache 1121 sous la vis ajustable de la roulette 1120. Soulevez la porte et poussez la vis dans l'attache de porte. Répétez l'opération avec l'autre roulette et attache de porte.



10 Install finished jambs, split header and casing as shown. Fasten split header on 1121 lock lever side with screws for future door removal or adjustment. **DO NOT USE JAMBS WITH DADO'S.**

Note: minimum 3/16" (5mm) clearance between jamb and door.

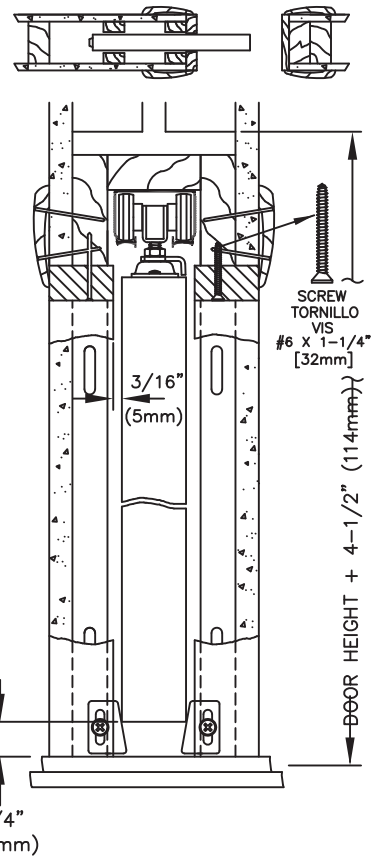
Instale los batientes terminados, el cabecero dividido y el contramarco, como se muestra. Sujete con tornillos el cabecero dividido en el lado de la palanca de seguro 1121 para su remoción o ajuste futuros.

NO UTILICE BATIENTES CON DADO'S.

Nota: Debe haber una separación mínima de 5mm entre la jamba y la puerta.

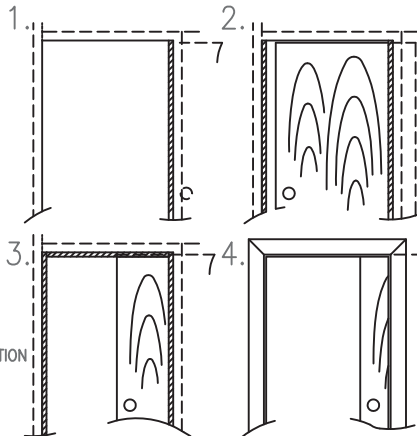
Installez les montants finis, le linteau de séparation et le contre-chambranle comme illustré. Serrez le linteau de séparation avec des vis du côté du levier de verrouillage 1121 en prévision d'une éventuelle dépose ou d'un ajustement futur. **NE PAS UTILISER DES MONTANTS AVEC DES LAMBRIS D'APPUI.**

Nota: Laissez un jeu de 5mm au minimum entre le montant et la porte.



ATTACH FINISH SPLIT JAMB TO STEEL STUD/ PLUMB DOOR WITH JAMB
COLOQUE LA JAMBA DIVIDIDA TERMINADA EN EL PERNO DE ACERO/ NIVELA A PLOMO LA PUERTA CON LA JAMBA

ATTACHER LE MONTANT DE SEPARATION AU SUPPORT EN ACIER/ METTRE D'APLOMB LE MONTANT AVEC LA PORTE



FINISH SPLIT HEADER
CABECERA DIVIDIDA TERMINADA
MONTANT DE SEPARATION FINITION

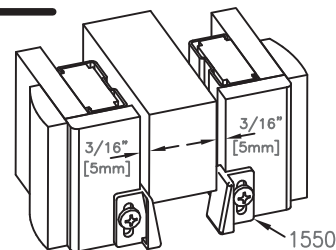
SHIM AND PLUMB FINISH JAMB WITH DOOR
PONGA CUÑAS Y NIVELA A PLOMO LA JAMBA TERMINADA CON LA PUERTA
CLAIR METTRE D'APLOMB LE MONTANT DE FINITION AVEC LA PORTE

FINISH TRIM
BORDE TERMINADO
BAGUETTE DE FINITION

Fasten 1550 Guides on finished split jambs at door bottom so door is held in center of opening.

11 Coloque las guías 1550 en las jambas divididas terminadas, en la parte de abajo de la puerta para que ésta sea sostenida en la mitad de la abertura.

Fixez les guides 1550 sur les montants de séparation au bas de la porte, de sorte que la porte se trouve au centre dell'ouverture.



**CUTTING INSTRUCTIONS
POCKET DOOR FRAME HEADER**

2/6" [762mm] and 3/0" [914mm] Pocket Door Frames are marked for cutting to shorter standard door widths.

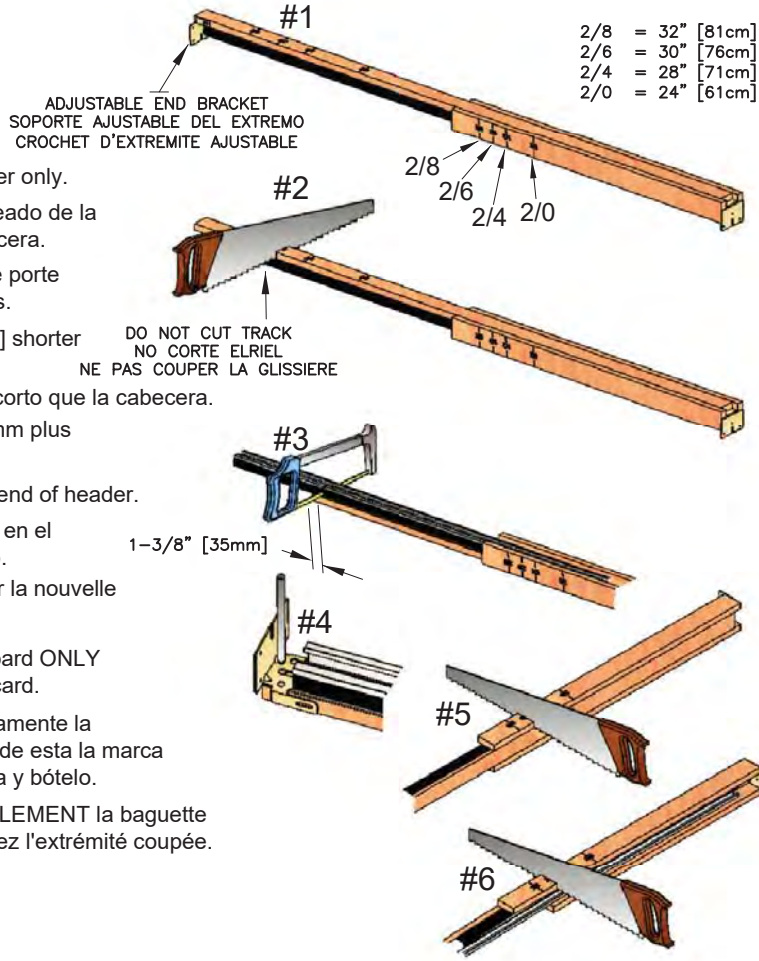
**INSTRUCCIONES DE CORTE
CABECERA DEL MARCO PARA
PUERTAS CORREDIZAS**

Los marcos de las Puertas Corredizas de 762mm y 914mm estan marcados para ser cortados a anchuras menores la cuales corresponden a puertas estandares.

**INSTRUCTIONS DE COUPE
LINTEAU POUR PORTE ESCAMOTABLE**

Les cadres de porte de 762mm et 914mm sont marquées pour être coupés à des largeurs de portes standard plus courtes.

- 1** Remove Adjustable End Bracket.
Remueva el soporte ajustable del extremo.
Démontez le crochet d'extrémité ajustable.
- 2** At desired door size marking, cut wood header only.
En la marca que corresponde al tamaño deseado de la puerta, corte solamente la madera de la cabecera.
A la marque correspondant à la dimension de porte désirée, découpez seulement le guide en bois.
- 3** Turn header over and cut track 1-3/8" [35mm] shorter than header.
Voltee la cabecera y corte el riel 35mm mas corto que la cabecera.
Retournez le guide et coupez la glissière 35mm plus court que le guide.
- 4** Replace Adjustable End Bracket on new cut end of header.
Reemplace el Soporte Ajustable del Extremo en el nuevo extremo de la cabecera recién cortado.
Remontez le crochet d'extrémité ajustable sur la nouvelle extrémité coupée du guide.
- 5** Turn Header on side and cut Header Trim Board ONLY at proper mark. Remove cut off end and discard.
Voltee la cabecera en un costado y corte solamente la Tabla del Contramarco del Encabezador donde esta la marca apropiada. Remueva el extremo que se corta y bótelo.
Retournez le guide de coté et découpez SEULEMENT la baguette du guide à la marque désirée. Enlevez et jetez l'extrémité coupée.
- 6** Turn Header and cut other side.
Voltee la cabecera y corte el otro costado.
Retournez le guide et découpez l'autre coté.



Cutting header for other than standard door width: Measure door width and multiply by 2. Add 1" (25mm). Mark header and cut (Step #2). Cut track (Step #3). Measure door width. Add 1" (25mm). Mark header Trim board and cut (Step #5 & #6).

Para cortar la cabecera para puertas que no sean de un ancho estandar: Mida el ancho de la puerta y multipliquelo por 2. Súmele 25mm. Marque la cabecera y córtelo (Paso #2). Corte el riel (Paso #3). Mida el ancho de la puerta. Súmele 25mm. Marque la guia de la tabla del contramarco de la cabecera y córtelo (pasos #5 & #6).

Découpage de la porte à une dimension non standard: Mesurez la largeur de la porte et multipliez par 2. Ajoutez 25mm. Marquez le guide et découpez. (étape #2). Découpez la glissière (étape #3). Mesurez la largeur de la porte. Ajoutez 25mm. Marquez la baguette du guide et découpez (étape #5 & #6).

OPTIONAL ACCESSORIES

30
#30 PULL, CLENCH, JALE
AVAILABLE IN 3 FINISHES
DISPONIBLE EN 3 ACABADOS
DISPONIBLE EN 3 FINITIONS

1555
CONVERGING DOOR KIT
CONJUNTO PIEZAS PARA PUERTA CONVERGENTE
ASSEMBLAGE CONVERGENT DE PORTE

40
1-3/8" X 3" RECTANGULAR PULL
TIRADOR RECTANGULAR DE 35mm X 76mm
TIRETTE RECTANGULAIRE DE 35mm X 76mm

1534
(1-3/4" 45mm)
PRIVACY LOCK
CERRADURA PRIVADA
SERRURE PRIVEE

21
(1-3/8" 35mm)

134
(1-3/4" 45mm)

2-1/8" DIAMETER PULL
TIRADOR DE DIA. DE 54mm
TIRETTE CIRCULAIRE DE 54mm

35
1-3/8" X 3" RECTANGULAR PULL
TIRADOR RECTANGULAR DE 35mm X 76mm
TIRETTE RECTANGULAIRE DE 35mm X 76mm

1575
1-3/4" (45mm) DOOR ADAPTOR KIT
CONJUNTO DE PIEZAS PARA
ADAPTAR PUERTA DE 45mm
ASSEMBLAGE D'ADAPTEUR
DE PORTE DE 45mm

JAMBKIT
1510/1511 JAMB KIT (FINGER JOINT AND CLEAR PINE)
1510/1511 CONJUNTO DE PIEZAS DE LA JAMBA (UNION DE ALETAS Y PINO CLARO)
1510/1511 ASSEMBLAGE DE MONTANT (ASSEMBLAGE PAR ENCASTREMENT ET PIN SANS DEFAULTS)

150
EDGE PULL
TRADOR DE BORDE
TIRETTE LATERALE