

Strut (if applicable) not shown for clarity.

(.070) galvanized steel top fixture. Each fixture attached with four 1/4" x 3/4" screws.

push nut  
(.045) stile manufactured by C.H.I.

(.109) galvanized steel top fixture. Each fixture attached with two 1/4" x 3/4" screws.

push nut  
(.045) stile manufactured by C.H.I.

Optional low head room top bracket  
2" (max. for .069 thick)  
4" (max. for .109 thick)

nominal  $\varnothing$  2" (min.)  
10 (min.) ball roller  
with nylon or steel tread.

(.109) galvanized steel auxiliary bottom bracket (DES) attached with two 1/4" x 3/4" screws.

push nut  
(.102) galvanized steel bottom bracket manufactured by C.H.I. Each bracket attached with four red 1/4" x 3/4" screws.

Aluminum extrusion

The vertical wood jamb fasteners may be counter sunk to provide a flat mounting surface. See jamb attachment details for more information about attaching jambs to structure.

nominal (.018) galvanized steel minimum 1-3/4" polystyrene insulation (each stile).  
1" overlap  
(.045) center stile manufactured by C.H.I.  
2" (min) x .069 (min) galvanized steel track

End Hinge galvanized steel fastened to section with six 1/4" x 3/4" screws each.  
push nut  
additional push nut (on #2 hinge only)

Intermediate Hinge (.058) galvanized steel fastened to section with four 1/4" x 3/4" screws.

(.051) 50 ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws per stile or hinge plate.

(.109) galvanized steel auxiliary bottom bracket (DES) attached with two 1/4" x 3/4" screws.

push nut  
(.109) galvanized steel bottom bracket manufactured by C.H.I. Each bracket attached with four red 1/4" x 3/4" screws.

Optional low head room bottom bracket

Details on some views may have been omitted for clarity.

(.086) galvanized steel flag bracket fastened to wood jamb with three 5/16" x 1-5/8" wood lag screws.

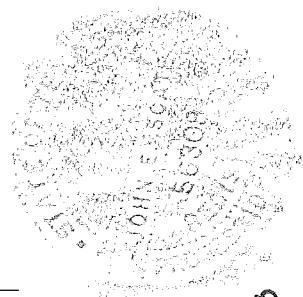
Flag bracket attached to horizontal track with two 1/4" x 5/8" track bolts and nuts.

Flag bracket attached to vertical track with two 1/4" x 5/8" track bolts and nuts. Or two 1/4" x 11/32" rivets.

(.102) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

Each track bracket attached with one 1/4" x 5/8" track bolt and nut. Or two 1/4" x 11/32" rivets.

	SCALE	ITS
	DATE	2-12-2013
Models:		3220, 3221, 3222, 3240, 3241, 3242, 3250, 3251, 3252
59.9 (psf) / - 61.8 (psf) at 12'-02" through 37.1 (psf) / - 38.2 (psf) at 17'-10"		
C.H.I. Drawing:		T729-16-61313
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Professional Engineer's seal provided only for verification of windload construction details