



Details on some views may have been omitted for clarity.

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

(.066) end stile w/ double wide backer plate (not shown) manufactured by C.H.I.

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

(.066) end stile w/ double backer plate (not shown) manufactured by C.H.I.

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 (.0155) galvanized steel minimum

(.023) backer plate at hinges.

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

End Hinge galvanized steel fastened to section with six 1/4" x 3/4" screws each.

Optional low room top bracket
nominal Ø 2" (min.) ball roller
10 (min.) ball roller with nylon or steel tread.
9" (min) stem
2" (max. for .069 thick)
4" (max. for .109 thick)

(.109) galvanized steel auxiliary roller carrier attached with two 1/4" x 3/4" screws.

(.102) galvanized steel bottom bracket manufactured by C.H.I. Each bracket attached with four red 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 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

(.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	1/8" = 1'	DATE	2-18-2013
	1/4" = 1'		Models:
3212, 3216, 3285		nits	
69.0 (psf) / - 83.2 (psf) at 10'-04" through		39.4 (psf) / - 47.6 (psf) at 16'-00"	
C.H.I. Drawing: TZ12-14-63313		page 2 of 2	

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Professional Engineer's seal provided only for verification of windload construction details

Vinyl weatherstrip
Aluminum extrusion