ITTM HANGERS

See pages 77–84 for sizes, fasteners and load information.

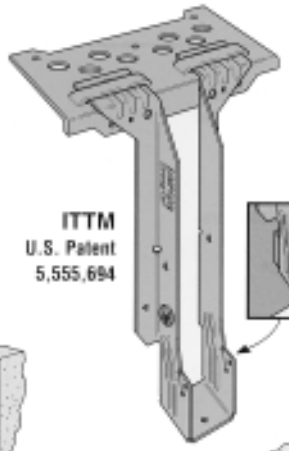
The ITTM masonry-to-wood connector can be directly embedded into a grouted block wall. It can also be installed on top of a masonry or concrete wall using Titen screws. The offset seat feature allows better joist bearing positioning. Joist top flanges are laterally restrained by the side of the hanger, eliminating the need for web stiffeners. The I-joist manufacturers may require web stiffeners.

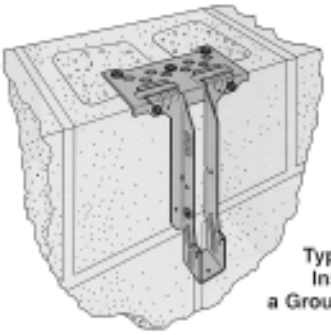
MATERIAL: ITTM—12 gauge top flange and 18 gauge stirrup

FINISH: Galvanized

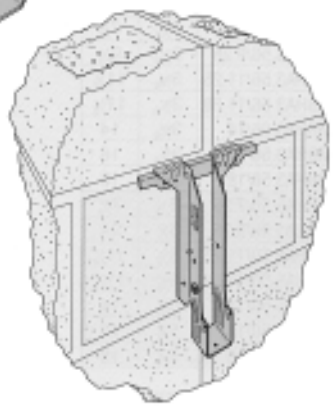
INSTALLATION: • Use all specified fasteners. Verify that the header can take the required fasteners specified in the table.

- ITTM installed into grouted block wall: embed into block with a minimum of one course of grouted block above and one course below the top flange.
- ITTM installed in concrete wall: install 3/16" x 2¼" Titens screws through preformed holes on the hanger. Install Titens into predrilled holes (3/16" in diameter) in the block or concrete.
- ITTM may be welded to steel headers with ⅛ x 1½" fillet welds located at each end of top flange. Weld-on applications produce maximum allowable load listed. Uplift loads do not apply to this application.





Typical ITTM Installed on a Grouted Block



Typical ITTM Installed into Concrete Block

Model	Fasteners			Allowable Loads		
	Top	Face	Joist	Uplift (133)	Uplift (160)	Masonry
ITTM Series	3-Titen[3]	2-Titen[3]	2-10dx1½	225[2]	225[2]	1545

1. ITTM loads are based on 2000 psi min concrete or grout.
2. ITTM uplift loads apply only when 2 top flange face screws are installed.
3. Titen screws are 3/16" x 2¼".

WM/WMU HANGERS

See pages 57–59 and 77–90 for sizes, fasteners and load information.

WMs are designed for use on standard 8" grouted masonry block wall construction.

MATERIAL: See tables on pages 57–59 and 77–90;
WM, WMU—12 ga. top flange and stirrup

FINISH: Simpson gray paint; hot-dipped galvanized available: specify HDG.

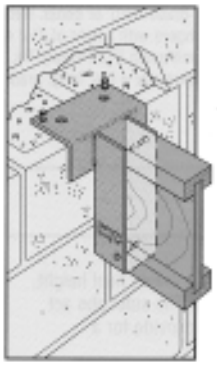
ALLOWABLE LOADS: For hanger heights exceeding the joist height, the allowable load is 0.50 of the table load.

INSTALLATION: • Use all specified fasteners. WM—two 16d duplex nails must be installed into the top flange and embedded into the grouted wall. Verify that the header can take the required fasteners specified in the table.

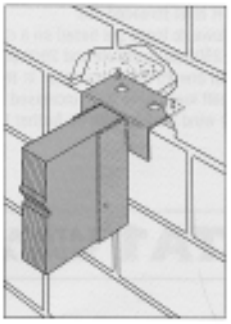
- Embed WM into block with a minimum of one course above and one course below the top flange with one #5 vertical rebar minimum 24" long in each cell. Minimum grout strength is 2000 psi.

OPTIONS: **• See Hanger Options, page 143 for hanger modifications and associated load reductions.**

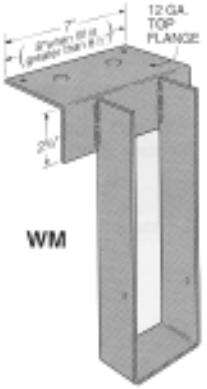
CODES: BOCA, ICBO, SBCCI NER-209. City of L.A. RR24949; Dade Co FL. 98-1021.01.



Typical WM Installation with Alternate Nailing Pattern (ANP)



Typical WM Installation



WM

Model	Joist		Fasteners			Allowable Loads	
	Width	Depth	Top	Face	Joist	Uplift (133 & 160)	Masonry
WM/WMI	1½ to 7½	3½ to 30	2-16d DPLX	—	2-10dx1½	—	4175
WMU	1½ to 7½	9 to 18	2-16d DPLX	4-½x1" Masonry	6-10dx1½	660	4175
	1½ to 7½	18½ to 22½	2-16d DPLX	4-½x1" Masonry	6-10dx1½	660	4175
	1½ to 7½	23 to 28	2-16d DPLX	4-½x1" Masonry	6-10dx1½	625	4175

1. Uplift loads have been increased 33% and 60% for wind or earthquake loading; no further increase allowed. Reduce by 33% and 60% for normal loading like cantilever construction.