

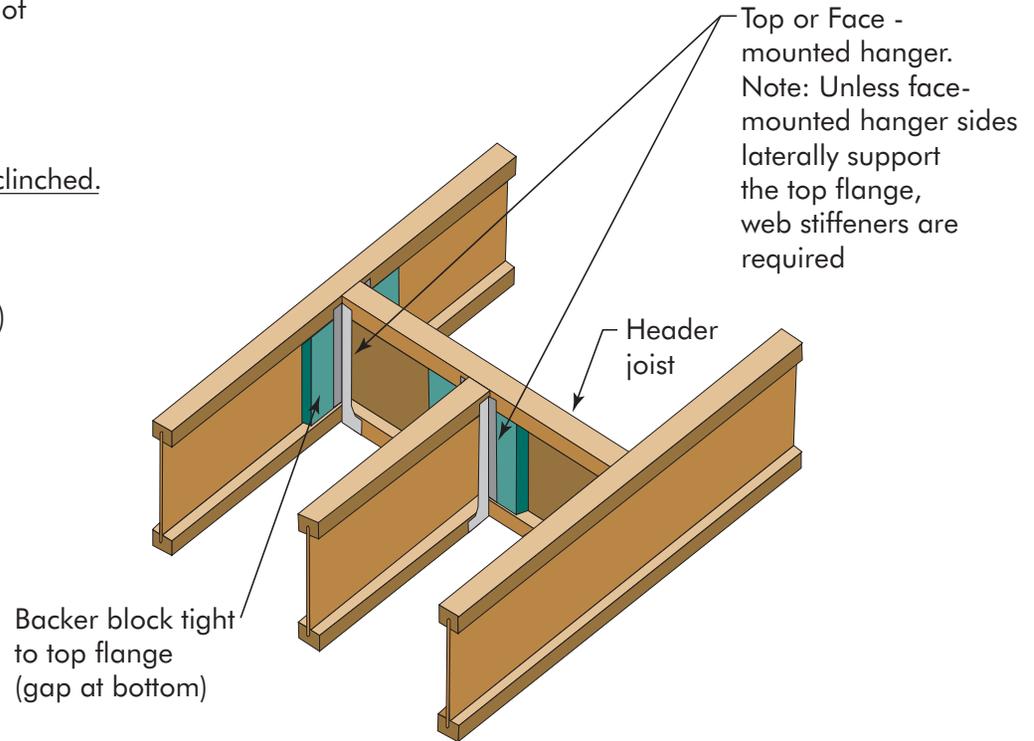
## HEADER DETAIL

### Backer block notes:

- 1) Backer block required for face-mount hangers (both sides of I-joist) & when top mount hanger load exceeds 250 lbs.
- 2) Install backer block tight to the top flange.
- 3) Attach backer block to web with 16 - 10d common nails, clinched. See chart for maximum capacity for this detail.
- 4) Backer block must be long enough to permit required nailing without splitting (min. length of 12" recommended)
- 5) See charts for backer block thickness & depth.

### General notes:

- 1) For hanger capacity see hanger manufacturer recommendations.
- 2) Verify I-joist capacity to support concentrated load from "header joist" in addition to all other loads.
- 3) If a double I-joist is required to support "header joist" load, refer to RFP Design Guide for double I-joist connection guidelines.



I-Joist Flange Width	Backer block Material Thickness Required <sup>(a)</sup> <sup>(b)</sup>	Max. load capacity using 16 - 10d com. nails.
1-3/4"	23/32"	980 lbs
2-1/16"	7/8"	1135 lbs
2-5/16"	1"	1250 lbs
2-1/2"	1-1/8"	1250 lbs
3-1/2"	1-1/2"	1250 lbs

Backer Block Depth				
Joist Depth	9-1/2"	11-7/8"	14"	16"
Top Mount Hangers - Min. Backer Block Depth	5-1/2"	5-1/2"	7-1/4"	7-1/4"
Face Mount Hangers - Req'd Backer Block Depth	6-1/4"	8-5/8"	10-3/4"	12-3/4"

(a) Minimum grade for backer block material shall be Utility grade SPF or better for solid sawn lumber and Rated Sheathing grade for wood structural panels.

(b) Glue 2-ply backer blocks together with construction grade adhesive (ASTM D-3498)