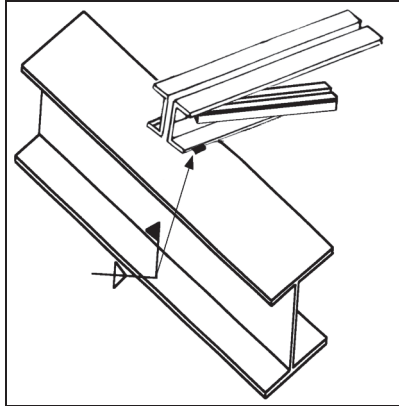
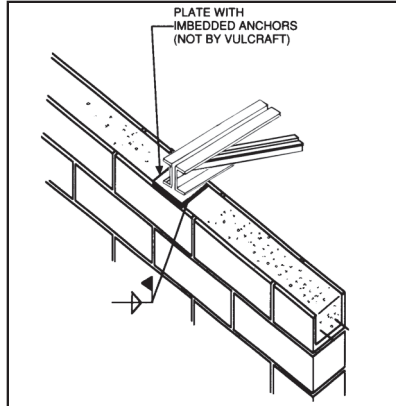


ACCESSORIES AND DETAILS

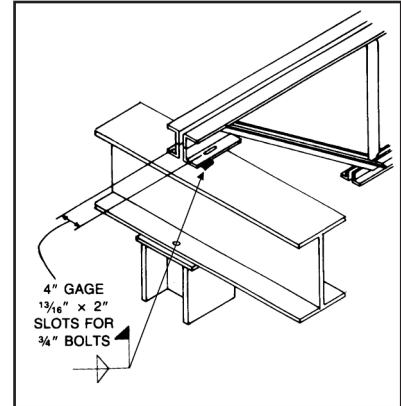
LH & DLH SERIES LONGSPAN STEEL JOISTS



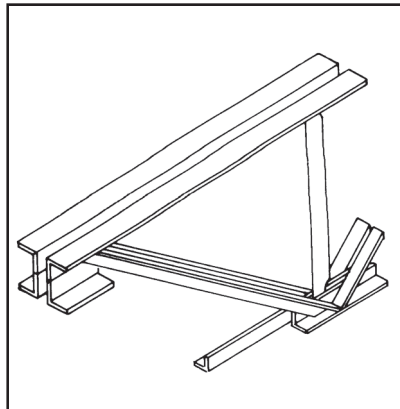
ANCHORAGE TO STEEL
SEE SJI SPECIFICATION
104.4 (b) AND 104.7 (b)



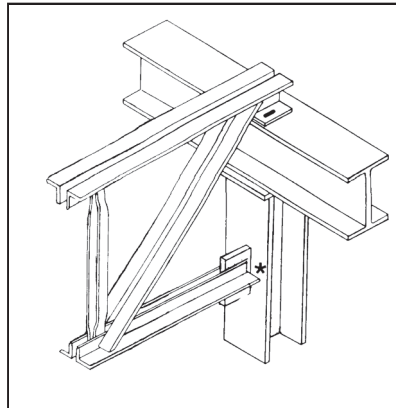
ANCHORAGE TO MASONRY
SEE SJI SPECIFICATION
104.4 (a) AND 104.7 (a)



BOLTED CONNECTION
See Note (c)
Typically required at columns

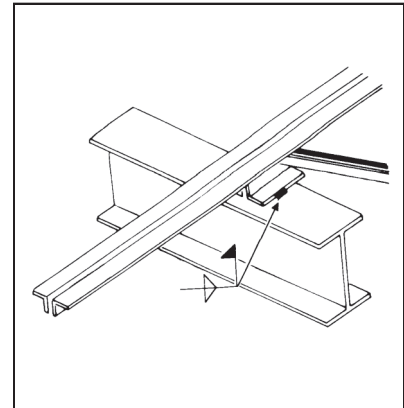


CEILING EXTENSION



BOTTOM CHORD EXTENSION

*If bottom chord extension is to be bolted or welded the specifying professional must provide axial loads on structural drawings.



TOP CHORD EXTENSION
See Note (a)

- (a) Extended top chords or full depth cantilever ends require the special attention of the specifying professional.

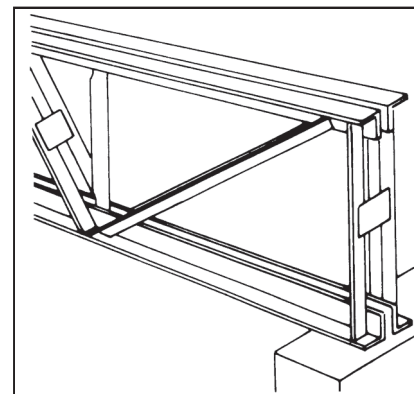
The magnitude and location of the design loads to be supported, the deflection requirements, and the proper bracing shall be clearly indicated on the structural drawings.

- (b) See SJI Specification - Section 105 for Handling and Erection of LH and DLH joists.

- (c) The Occupational Safety and Health Administration Standards (OSHA), Paragraph 1910.12 refers to Paragraph 1518.751 of "Construction Standards" which states:

"In steel framing, where bar joists are utilized, and columns are not framed in at least two directions with structural steel members, a bar joist shall be field-bolted at columns to provide lateral stability during construction."

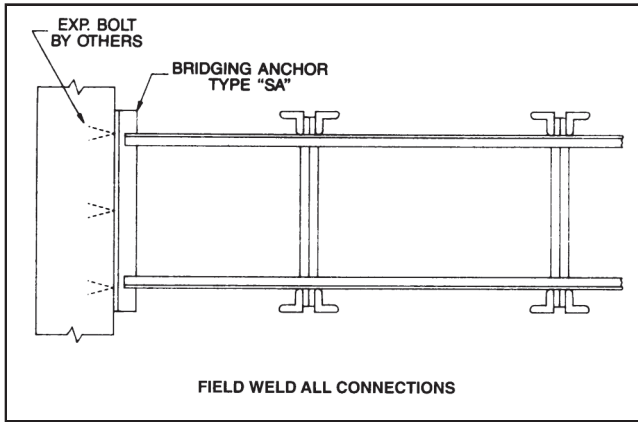
NOTE: Configurations may vary from that shown.



SQUARE END
See SJI Specification 104.5 (f).
Cross bridging required at end of bottom bearing joist.

ACCESSORIES AND DETAILS

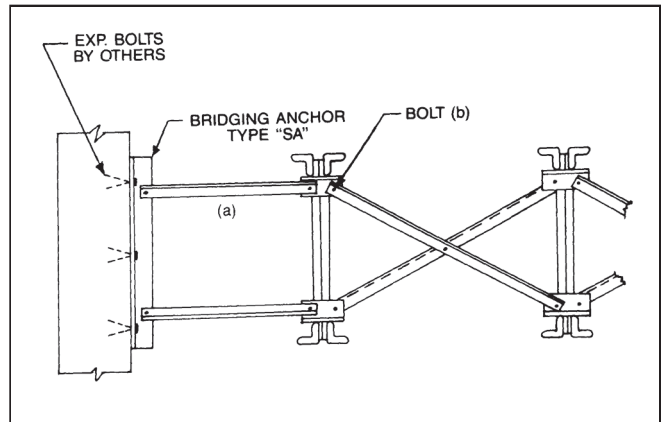
LH & DLH SERIES LONGSPAN STEEL JOISTS



HORIZONTAL BRIDGING

For the proper use of horizontal bridging refer to sections 104.5(a) and 105.

NOTE: Do not weld bridging to web members. Do not hang any mechanical, electrical, etc. from bridging.



CROSS BRIDGING

(a) Horizontal Bridging units shall be used in the space adjacent to the wall to allow for proper deflection of the joist nearest the wall.

(b) For required bolt size refer to bridging table on page 136. NOTE: Clip configuration may vary from that shown.

LH & DLH SERIES OPEN WEB STEEL JOISTS SLOPED SEAT REQUIREMENTS

| LOW END | | HIGH END | | SLOPE RATE | HIGH END MINIMUM **SEAT DEPTH d |
|----------|----------|----------|----------|-------------|---------------------------------|
| <p>A</p> | <p>B</p> | <p>C</p> | <p>D</p> | | |
| | | | | 1/4:12 | 6 1/2" |
| | | | | 3/8:12 | 6 1/2" |
| | | | | 1/2:12 | 6 1/2" |
| | | | | 1:12 | 6 1/2" |
| | | | | 1 1/2:12 | 7" |
| | | | | 2:12 | 7" |
| | | | | 2 1/2:12 | 7 1/2" |
| | | | | 3:12 | 7 1/2" |
| | | | | 3 1/2:12 | 8" |
| | | | | 4:12 | 8 1/2" |
| | | | | 4 1/2:12 | 8 1/2" |
| | | | | 5:12 | 9 1/2" |
| | | | | 6:12 & OVER | SEE BELOW |

* 7 1/2" at 18 and 19 chord section numbers. Consult Vulcraft for information when TCX's are present.

** Add 2 1/2" to seat depths at 18 and 19 chord section numbers.

NOTES:

- (1) Depths shown are the minimums required for fabrication of sloped bearing seats.
- (2) $d = 5/8 + 5 / \cos \theta + 6 \tan \theta$
- (3) Clearance must be checked at outer edge of support as shown in detail B. Increase bearing depth as required to permit passage of 5" deep extension.
- (4) If extension depth greater than 5" is required (see detail B and D) increase bearing depths accordingly.