

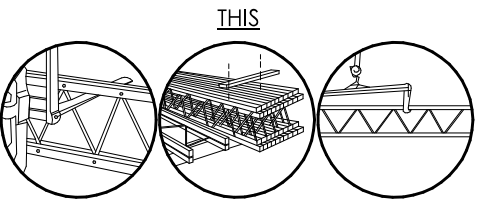
OPEN-WEB TRUSS INSTALLATION INFORMATION

ATTENTION BUILDER

Enclosed is **IMPORTANT** information on how to safely and properly install RedBuilt™ Joists. Personal injury or death may result from failure to read and follow this information.



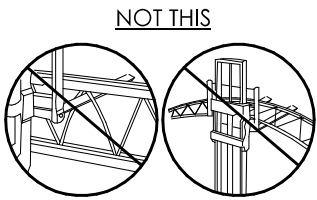
1 PRODUCT HANDLING



THIS

WARNING

Workers should stay clear when cutting the banding to avoid possible injury from flying banding or toppling trusses.



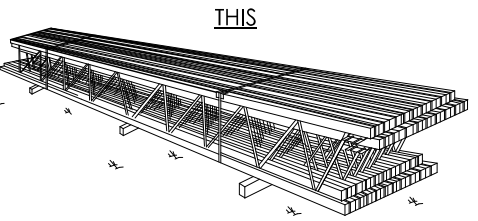
NOT THIS

CAUTION

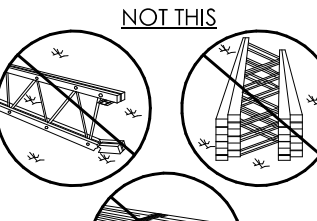
DO NOT hit webs with forklift forks. Bent or dented webs must be replaced.

- Trusses will be delivered to the jobsite in bundles of twenty or fewer, banded together for handling and shipment. To avoid damage they should be left in these bundles until they are ready to be installed in the structure.
- Miscellaneous hardware such as bearing angles, lag screws, bolts and nails as required for each specific job will be shipped in bags or boxes with the trusses.
- Bridging material and pre-cut blocking items, if supplied by RedBuilt™, will be bundled and banded.

2 PRODUCT STORAGE



THIS

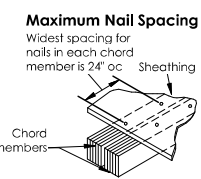


NOT THIS

Damaged trusses must be repaired or replaced

- Always set truss bundles on stickers placed at the truss pin locations. Never store trusses flat or set trusses directly on the ground or in contact with standing water.
- Cover truss bundles with paper wrap or canvas tarps to protect them from the weather. Do not use plastic covers as they will cause moisture to accumulate on the trusses. Prolonged exposure to the elements harms the appearance and strength of the trusses.

3 NAILING OF SHEATHING TO TOP CHORD MEMBERS



Maximum Nail Spacing

Widest spacing for nails in each chord member is 24" oc. Sheathing

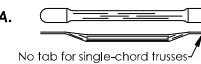
Minimum Nail Spacing

Nail Size	Red-L™ Red-W™	Red-S™	Red-M™ Red-H™	RedLam™ LVL Narrow Face
.113" x 2 1/2"	4"	4"	2"	3"
.131" x 2 1/2"	6"	6"	2"	3"
.128" x 3"	6"	6"	2 1/2"	3"
.148" x 3"	6"	6"	2 1/2"	4" (2)
.128" x 3 1/4"	6"	6"	2"	3"
.148" x 3 1/4"	6"	6"	2 1/2"	4" (2)
.135" x 3 1/2"	6"	6"	2 1/2"	3"
.148" x 3 1/4"	6"	6"	2 1/2"	4" (2)
.162" x 3 1/2"	8"	8"	4"	8" (3)

- (1) 14 gauge staples may be a direct substitute for 8d x 1 1/2" nails. If a minimum penetration of 1" into the flange is maintained.
 - (2) Minimum spacing must be 5" for 4 rows of nails.
 - (3) Spacing may be reduced to 5" where nail penetration does not exceed 1 3/8".
- If more than one row of nails is used, offset rows at least 1/2" and stagger. Maintain 3/8" minimum edge distance.

IMPORTANT
Nailing closer than specified may cause the chords to split.

4 MATERIAL IDENTIFICATION



No tab for single-chord trusses.



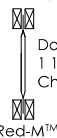
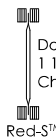
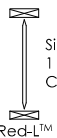
A. **Strut Bracing** is tubular steel with flattened ends supplied with all open-web trusses (Simpson HRS12 supplied for 12" OC systems). Strut bracing to be installed as each truss is set. See sections 5A - 5D.

B. **Plywood Edge Blocking** is provided by RedBuilt™ on some projects and used for nailing sheathing edges. Edge blocking does not take the place of strut bracing and will not prevent trusses from bowing. Install edge blocking after strut bracing (installation bracing) is in place and immediately prior to laying sheathing.

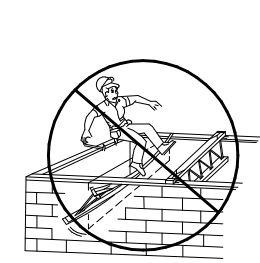
C. **2x4 Starter Struts** supplied by contractor with framing anchors each end (shipped loose) supplied by RedBuilt™. Flatten speed prong and fold portion of vertical tab around end of 2x4. Attach with 6-8d x 1 1/2" x 1 1/2" nails each end. See sections 5A and 5D.

D. **Cross Bracing** is provided for most bottom-bearing locations. Cross bracing to be installed as each truss is set. Contractor to bend ends prior to installation.

RedBuilt™ Open-Web Truss Product Sections - Refer to plan for series and depth



5 INSTALLATION BRACING



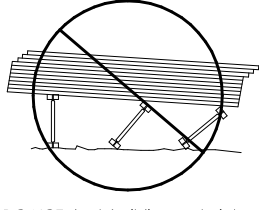
DO NOT walk on the trusses until all truss bearings and bracing have been permanently attached. Injury may result.

WARNING

Without correctly installed bracing, trusses can bow and roll over, causing death, serious personal injury, or property damage.

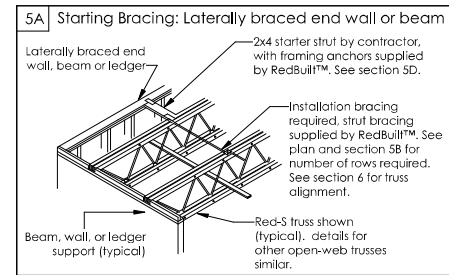
NOTICE

Installation bracing and procedures, as well as the safety of workers, are the responsibility of the installer. The installer should make sure that this installation information is understood by all persons involved in the truss installation.



DO NOT stack building materials on trusses before all truss bearings and bracing have been permanently attached. See section 7

Brace EACH truss as it is placed



5A Starting Bracing: Laterally braced end wall or beam

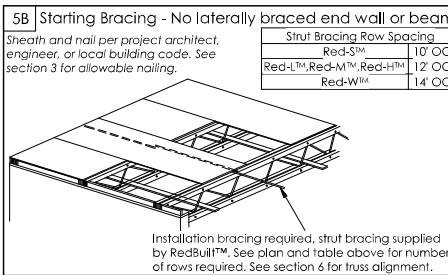
Laterally braced end wall, beam or ledger

2x4 starter strut by contractor, with framing anchors supplied by RedBuilt™. See section 5D.

Installation bracing required, strut bracing supplied by RedBuilt™. See plan and section 5B for number of rows required. See section 6 for truss alignment.

Red-S truss shown (typical). Details for other open-web trusses similar.

Beam, wall, or ledger support (typical)

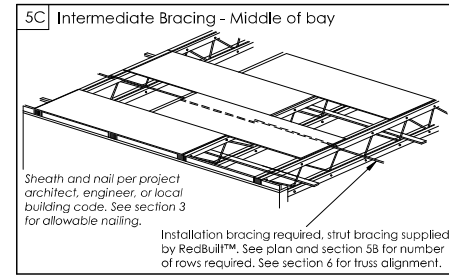


5B Starting Bracing - No laterally braced end wall or beam

Sheath and nail per project architect, engineer, or local building code. See section 3 for allowable nailing.

Strut Bracing Row Spacing	Red-S™	Red-L™	Red-M™	Red-H™
10' OC				
12' OC				
14' OC				

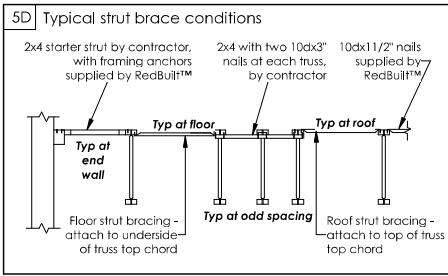
Installation bracing required, strut bracing supplied by RedBuilt™. See plan and table above for number of rows required. See section 6 for truss alignment.



5C Intermediate Bracing - Middle of bay

Sheath and nail per project architect, engineer, or local building code. See section 3 for allowable nailing.

Installation bracing required, strut bracing supplied by RedBuilt™. See plan and section 5B for number of rows required. See section 6 for truss alignment.



5D Typical strut brace conditions

2x4 starter strut by contractor, with framing anchors supplied by RedBuilt™

2x4 with two 10d x 3" nails at each truss, by contractor

10d x 1 1/2" nails supplied by RedBuilt™

Typ at end wall

Typ at floor

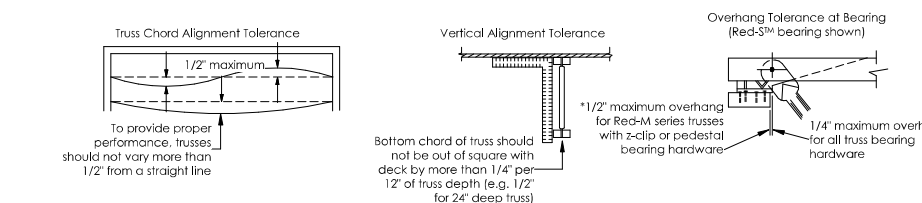
Typ at roof

Floor strut bracing - attach to underside of truss top chord

Typ at odd spacing

Roof strut bracing - attach to top of truss top chord

6 INSTALLATION TOLERANCES PERMITTED



Truss Chord Alignment Tolerance

1/2" maximum

To provide proper performance, trusses should not vary more than 1/2" from a straight line

Vertical Alignment Tolerance

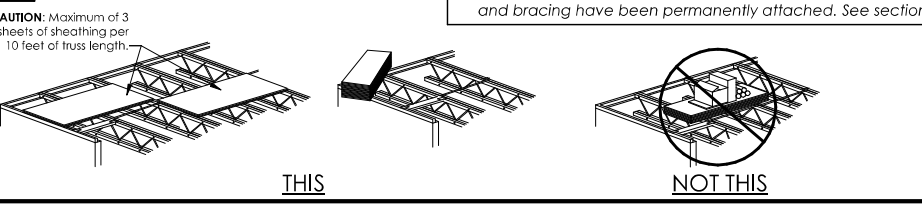
1/2" maximum overhang for Red-M series trusses with 2-clip or pedestal bearing hardware

Overhang Tolerance at Bearing (Red-S™ bearing shown)

1/4" maximum overhang* for all truss bearing hardware

*1/2" of truss depth (e.g., 1/2" for 24" deep truss)

7 STACKING MATERIAL



CAUTION: Maximum of 3 sheets of sheathing per 10 feet of truss length.

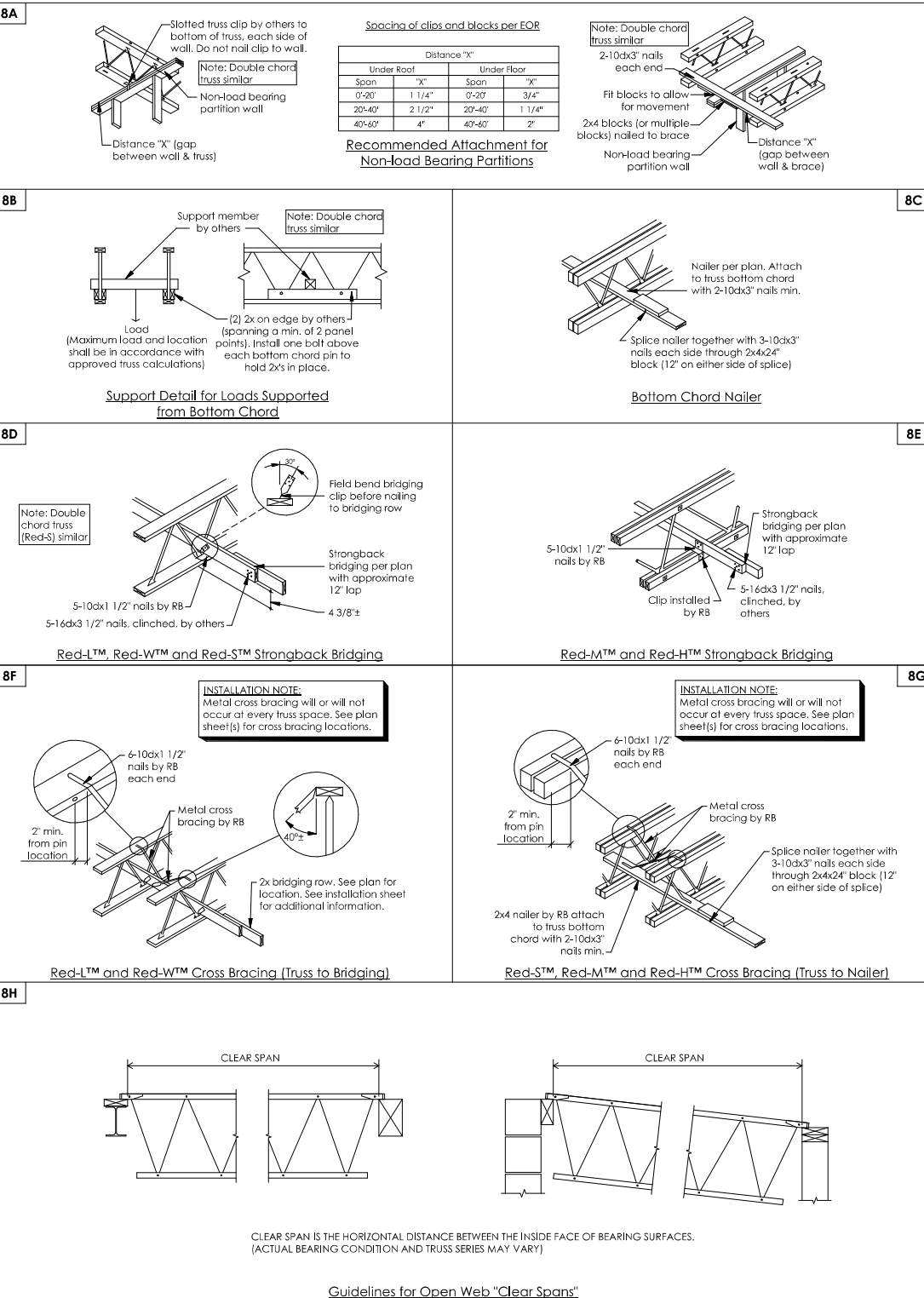
WARNING

DO NOT allow workers or materials on the trusses until all truss bearings and bracing have been permanently attached. See section 5.

FIELD MODIFICATION OF TRUSSES NOT PERMITTED

- DO NOT cut, drill or damage the chords or webs.
- DO NOT remove steel pins or webs (even temporarily).
- DO NOT make field modifications to trusses without written approval of RedBuilt™.

8 STANDARD INSTALLATION DETAILS



For allowable holes and fasteners information please scan the QR code or use the link below to access page number 3 of **SPRINKLER SYSTEM INSTALLATION GUIDE**

<https://www.redbuilt.com/SprinklerSystemInstallationGuide>

For product warranty information please scan the QR code or use the link below to access the form

<https://www.redbuilt.com/ProductWarranty>

If you have questions or concerns:
Call your RedBuilt™ Representative directly, or for general customer service call (866) 859-6757