

## Handling & Installation Recommendations

LP® SolidStart® I-Joists, LP SolidStart LVL & LP SolidStart LSL

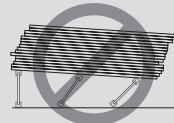
**Note:** For specific strength and span information, please consult specific product brochures.  
For applications with I-Joist depths over 16, please consult the Light-Frame Commercial and Multifamily Construction Tech Guide.

### Important Notes

**WARNING: Failure to follow proper procedures for handling, storage and installation could result in unsatisfactory performance, unsafe structures and possible collapse.**

These instructions are offered as a guide to good practice in the handling, storage and installation of LP® SolidStart® I-Joists, LP SolidStart LVL & LP SolidStart LSL beams. They are, however, solely general recommendations and, in some instances, other or additional precautions may be desirable. In all cases, the procedures used should be as specified by the architect/engineer responsible for the entire building.

- This is not intended as a manual for selecting products and assumes that components and details have been specified correctly.
- Consult the LP SolidStart I-Joist, LP SolidStart LVL & LP SolidStart LSL brochures or contact your LP SolidStart products distributor for assistance.
- All rim joists, blocking, connections and temporary bracing must be installed before erectors are allowed on the structure.
- No loads other than the weight of the erectors are to be imposed on the structure before it is permanently sheathed.
- After sheathing, do not overload joists with construction materials exceeding design loads.
- LP SolidStart I-Joists, LP SolidStart LVL & LP SolidStart LSL beams must be used under dry, covered and well-ventilated interior conditions in which the equilibrated moisture content in lumber will not exceed 16% (US) or does not exceed a yearly average of 15% and does not exceed 19% at any time (CN).



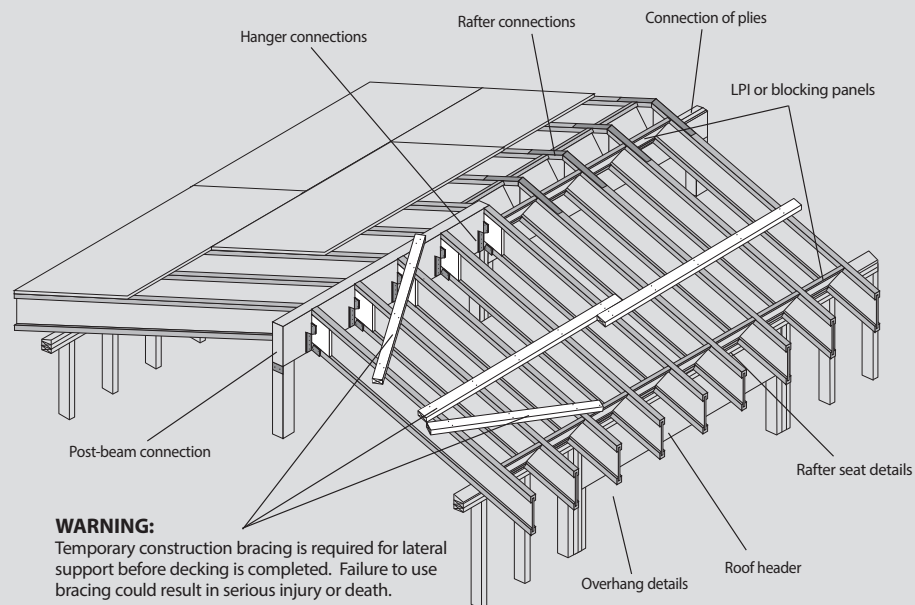
## Roof Layout (typical)

### TEMPORARY BRACING

- Use at least 1x4 temporary bracing members nailed to each I-Joist with two 8d nails.
- Keep the main runs parallel and no more than 8'-0" apart.
- Use long pieces, not short blocks; lap the ends to keep a continuous line of bracing.
- To prevent endwise movement of the continuous 1 x 4 lines of bracing, anchor them at the ends and at 25'-0" intervals into a stable end wall or an area braced by sheathing or diagonal bracing.
- Remember, the continuous 1 x 4 bracing is not effective unless attached to the braced area.
- Use particular care removing temporary bracing when applying sheathing. Remove the bracing as the sheathing is attached.

### NOTES FOR ROOF LAYOUT:

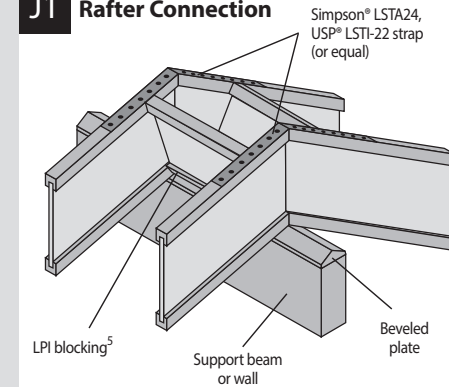
- I-Joists used as rafters must be supported laterally at all bearings and the ends of cantilevers.
- Any fastening of member not detailed, such as uplift or seismic anchor, is subject to local approval and may require additional details and connections.
- Minimum pitch: 1/4" per foot (1/4:12). Maximum pitch: 12" per foot (12:12).
- Verify capacity and fastening of hangers and connections.



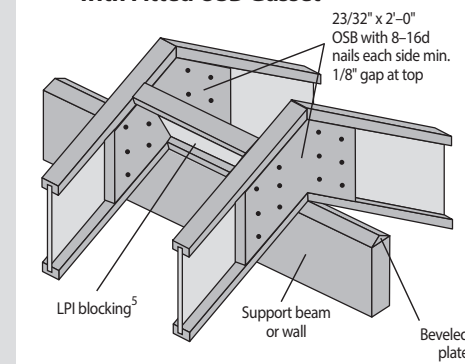
**WARNING:** Temporary construction bracing is required for lateral support before decking is completed. Failure to use bracing could result in serious injury or death.

## Roof Details

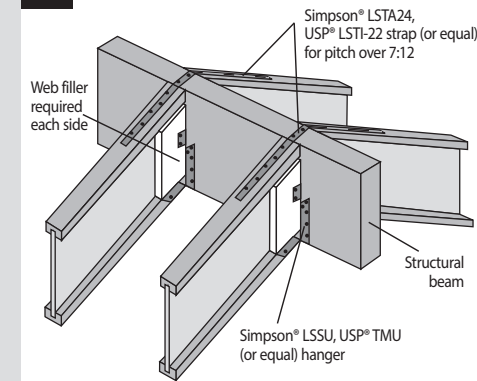
### J1 Rafter Connection



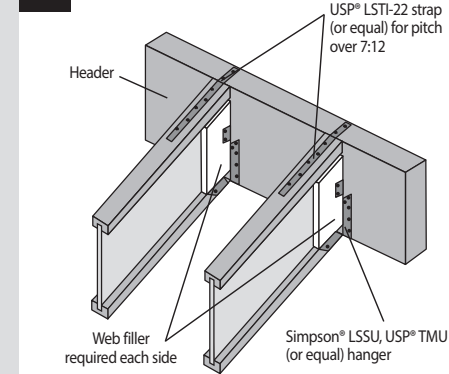
### J2 Rafter Connection with Fitted OSB Gusset



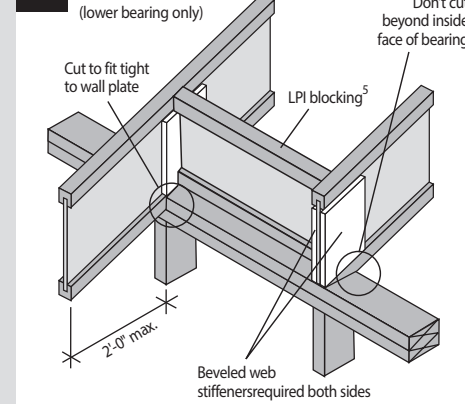
### J3 Ridge Rafter Connection



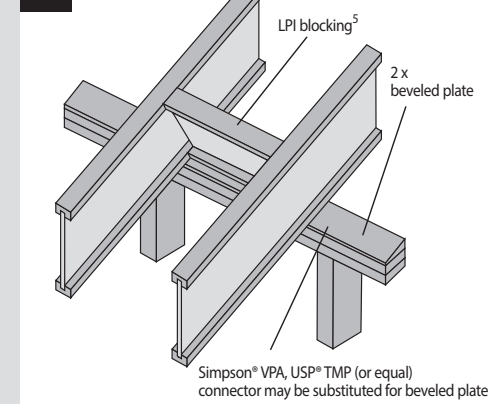
### J4 Header Connection



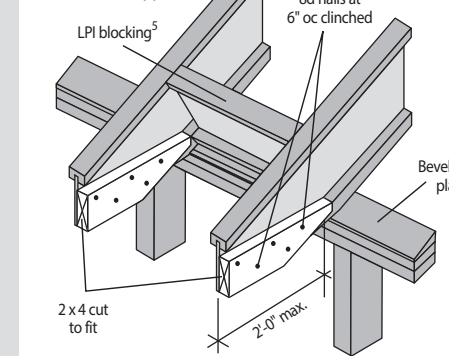
### H1 Bird's Mouth (lower bearing only)



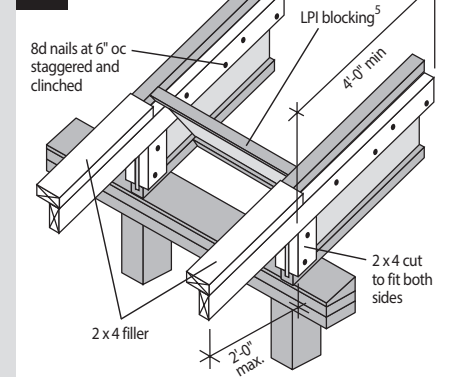
### H2 Beveled Plate



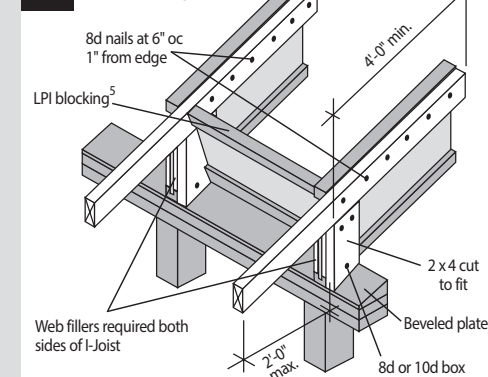
### H3 Flat Soffit (Fascia support)



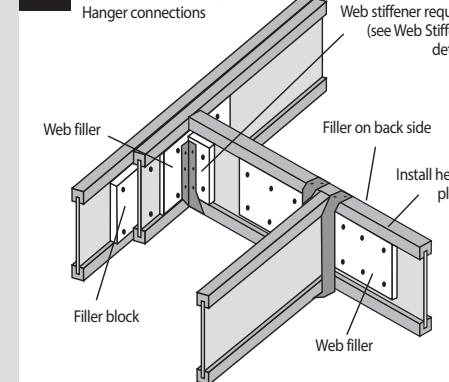
### H4 Overhang



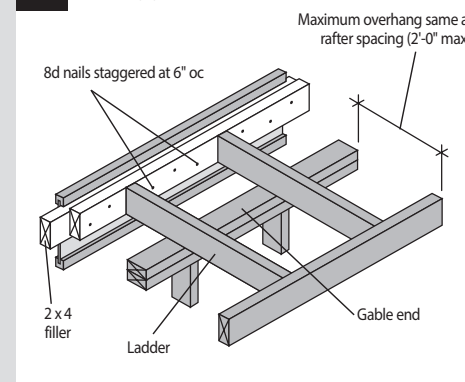
### H5 Overhang



### K1 Roof Opening



### K2 Outrigger

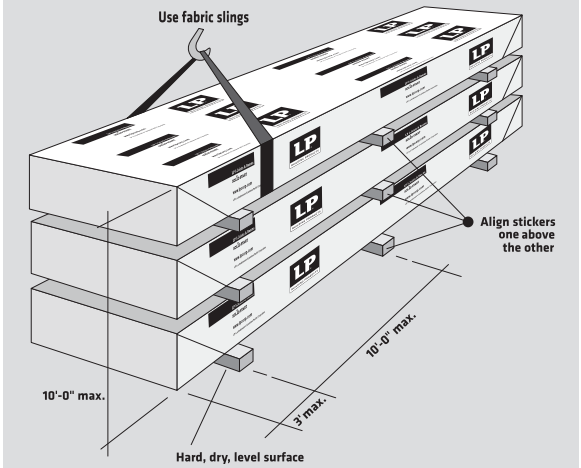


### NOTES:

1. Minimum pitch: 1/4" per foot (1/4:12). Maximum pitch: 12" per foot (12:12).
2. Verify capacity and fastening requirements of hangers and connectors.
3. Some wind or seismic loads may require different or additional details and connections. Uplift anchors may be required.
4. 4" diameter hole(s) may be cut in blocking for ventilation.
5. Lateral resistance shall be provided. Other methods of restraint, such as full depth LP SolidStart OSB Rim Board, LP SolidStart LVL, LP SolidStart LSL or metal X-bracing may be substituted for the LPI blocking shown.

## Handling & Storage

- Keep LP SolidStart I-Joists, LP SolidStart LVL & LP SolidStart LSL beams dry.
- Unload products carefully by lifting. Support the bundles to reduce excessive bowing. Individual products should be handled in a manner which prevents physical damage during measuring, cutting, erection, etc. I-Joists should be handled vertically and not flatwise.
- Keep stored in wrapped and strapped bundles, stacked no more than 10' high. Support and separate bundles with 2 x 4 (or larger) stickers spaced no more than 10' apart. Keep stickers in line vertically.
- Product must not be stored in contact with the ground, or have prolonged exposure to the weather.
- Use forklifts and cranes carefully to avoid damaging product.
- Do not use visually damaged product. Call your local LP SolidStart Engineered Wood Products distributor for assistance when damaged products are encountered.



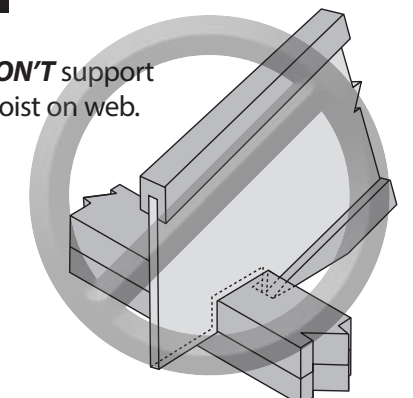
## WARNING

The following conditions are NOT permitted!

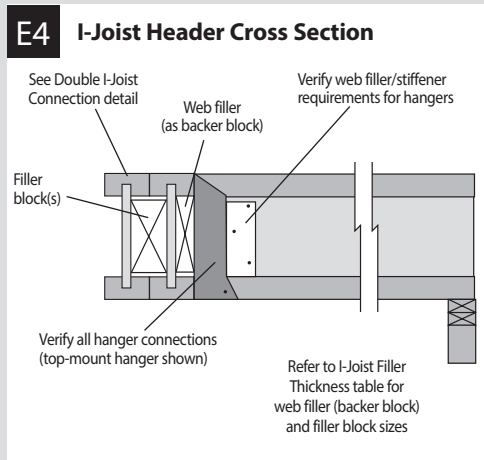
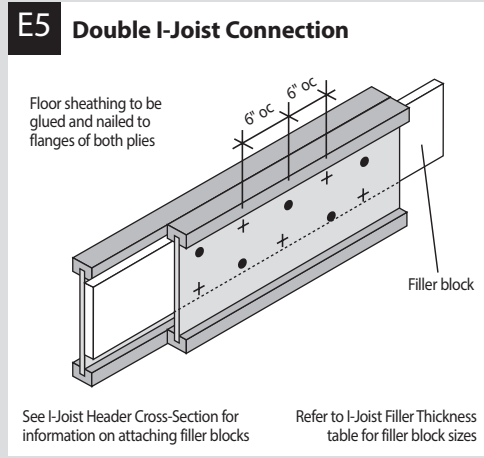
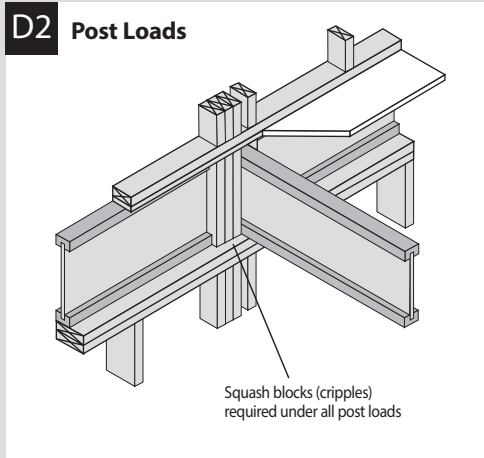
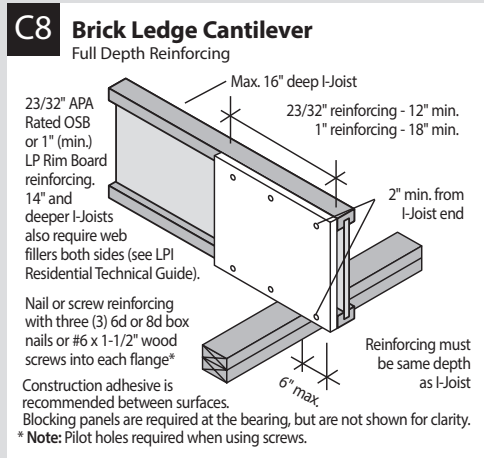
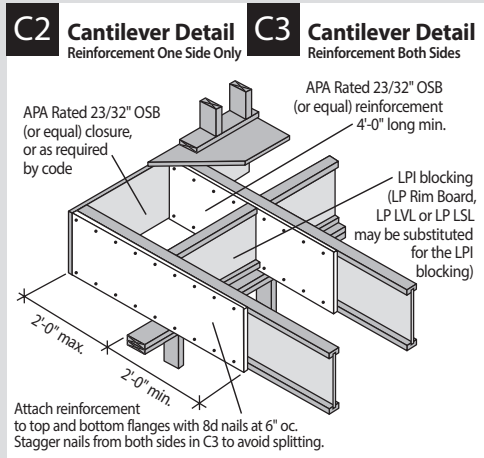
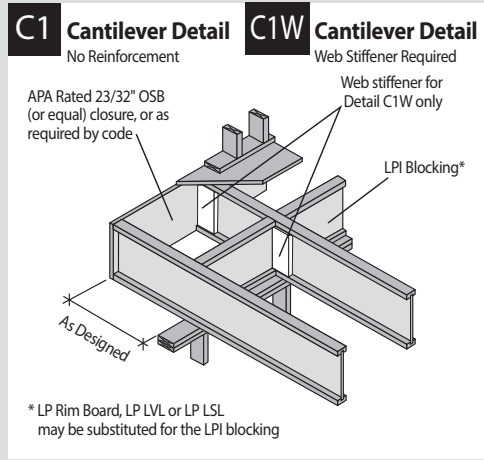
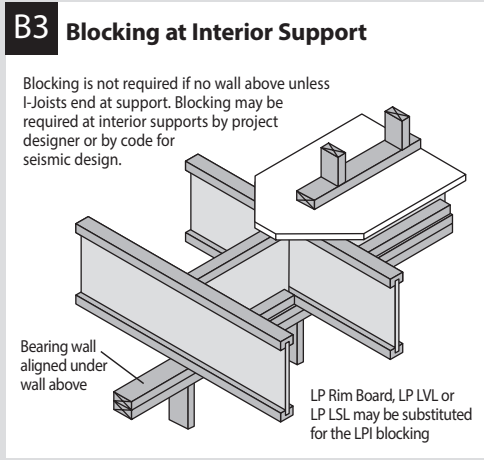
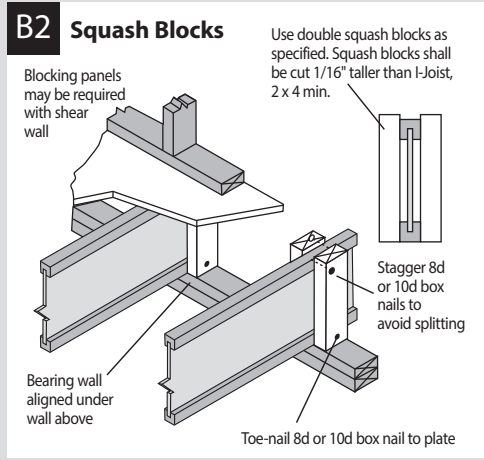
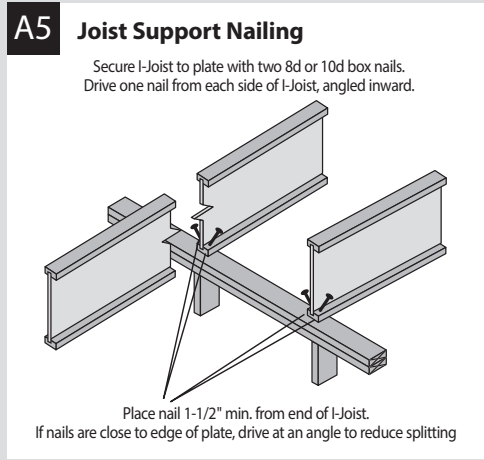
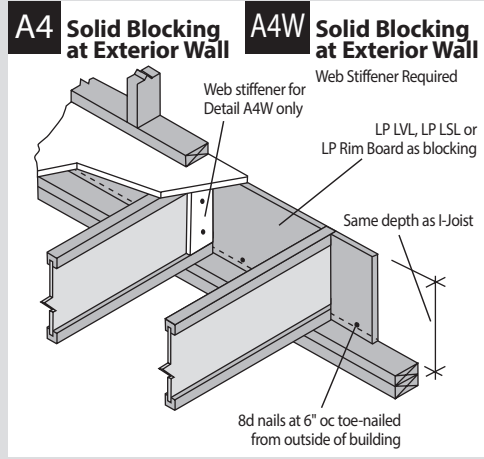
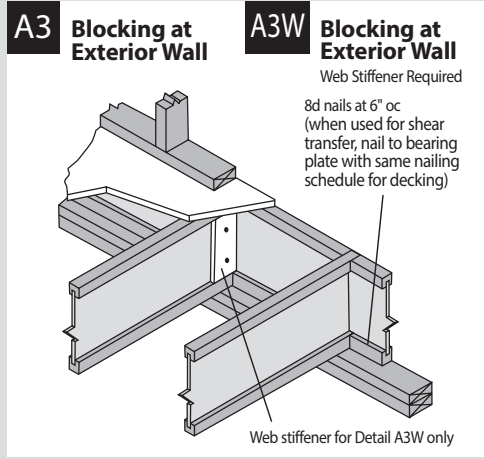
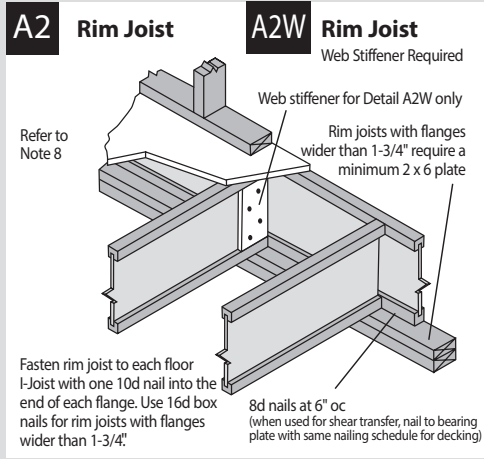
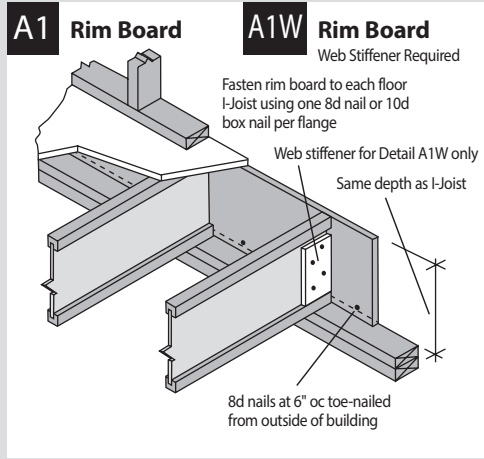
Do not use visually damaged products without first checking with your local LP SolidStart Engineered Wood Products distributor or sales office.

### R8

**DON'T** support I-Joist on web.

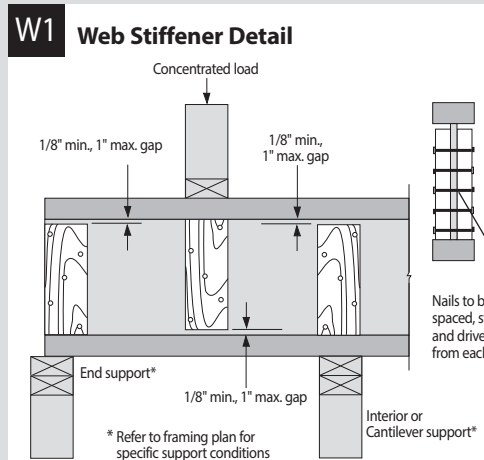


# Floor Details



**Web Filler/Backer Block:** Backer blocks shall be at least 12" long and located behind every supported hanger. For a single I-joist header, install backer blocks to both sides of the web. Two pieces of 2 x 8 (min.) lumber, cut to the proper height (see notes 2 & 3), may be set vertically side-by-side to achieve the required minimum 12" length.  
Attach backer blocks with 8d nails (use 10d nails for flanges wider than 2-1/2"). Use a minimum of 10 nails spaced to avoid splitting, with half the nails to each side of the center of the supported hanger.  
**Note:** Backer blocks may be omitted for top-mount hangers supporting only downward loads not exceeding 250 lbs.  
**Filler Blocks:** Install in minimum 4' long sections at each support, centered behind each supported hanger and at no more than 8" oc. Lumber fillers may be stacked to achieve the required depth (see notes 2 & 3). For example, two 4' long 2 x 8's may be stacked vertically to achieve the filler depth for an 18" deep I-joist (minimum required depth is 18" - 3" - 1" = 14").  
Attach filler blocks with 8d nails (10d for flanges wider than 2-1/2") nails spaced 6" oc per row. Use one row of nails in each row of stacked fillers, with a minimum of two rows of nails. Drive every other nail from opposite sides.

- NOTES:**
- Backer blocks and filler blocks shall consist of APA Rated wood structural panel (OSB or plywood), 2 x lumber (SPF or better), or LP SolidStart LVL, LSL or OSB Rim Board, with a net thickness equivalent to that shown in the I-Joist Filler Thickness table below.
  - Except as noted in 3, backer blocks and filler blocks shall fit the clear distance between flanges with a gap of at least 1/8", but not more than 1", and shall be of sufficient depth to allow for all hanger nailing into the web. Do not force into place.
  - Backer blocks and filler blocks for double I-joists that are top-loaded only or side-loaded supporting top-mount hangers that do not require nailing into the web, shall be at least 5-1/2" deep for I-joists to 11-7/8" deep, and shall be at least 7-1/4" deep for I-joists 14" and deeper.
  - Install backer blocks tight to top flange for top-loaded joists and for joists supporting top-mount hangers (shown). Install tight to bottom flange for joists supporting face-mount hangers.
  - Cinch nails where possible.
  - For double I-joists, additional nailing may be required to transfer point loads. For additional information, contact your LP SolidStart Engineered Wood Products distributor.



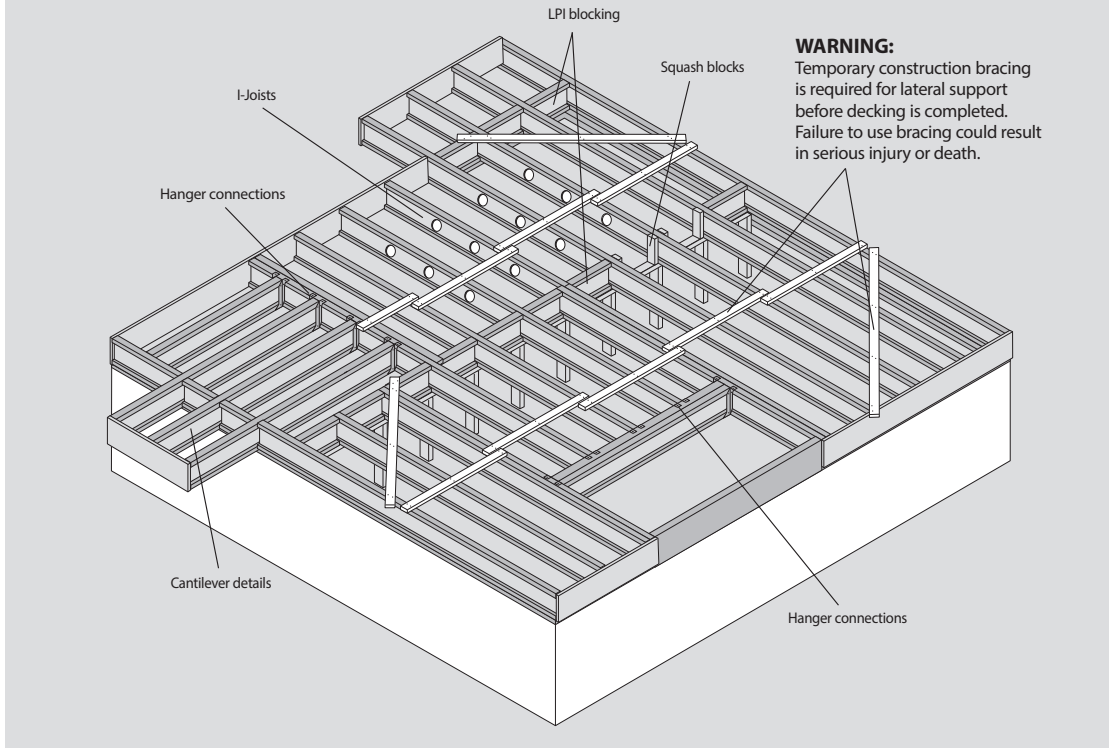
# Floor Layout (typical)

## TEMPORARY BRACING

- Use at least 1x4 temporary bracing members nailed to each I-Joist with two 8d nails.
- Keep the main runs parallel and no more than 8'-0" apart.
- Use long pieces, not short blocks; lap the ends to keep a continuous line of bracing.
- To prevent endwise movement of the continuous 1 x 4 lines of bracing, anchor them at the ends and at 25'-0" intervals into a stable end wall or an area braced by sheathing or diagonal bracing.
- Remember, the continuous 1 x 4 bracing is not effective unless attached to the braced area.
- Use particular care removing temporary bracing when applying sheathing. Remove the bracing as the sheathing is attached.

## NOTES FOR FLOOR LAYOUT:

- I-Joists must be supported laterally at all bearings and the ends of cantilevers.
- Unless specified, bridging or mid-span blocking is not required; however, it may enhance floor performance if used properly.
- Verify capacity and fastening of hangers and connectors.
- Some wind or seismic loads may require different or additional details and connections.



I-JOIST FILLER THICKNESS		
SERIES	FILLER BLOCK	WEB FILLER/BACKER BLOCK
LPI 18, LPI 20Plus, LPI 32Plus	2-1/8"	1"
LPI 20FB	1-1/2"	23/32"
LPI 36	1-7/8"	7/8"
LPI 42FB	2-1/2"	1-1/4"
LPI 42Plus, LPI 52Plus, LPI 56	3"	1-1/2"
LPI 450	1-1/2"	23/32"
LPI 530	1-3/4"	7/8"

- NOTES:**
- Backer blocks and filler blocks shall consist of APA Rated wood structural panel (OSB or plywood), or 2x lumber (SPF or better).
  - LP LVL, LSL or OSB Rim Board may also be used.
  - Refer to the Notes for the I-Joist Header Cross-Section to the left for details on the required height and length, and nailing of the backer blocks and filler blocks.

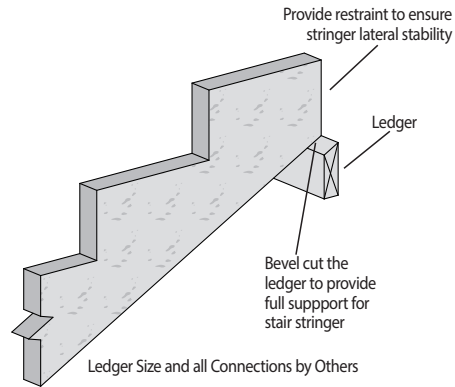
WEB STIFFENER REQUIREMENTS						
SERIES	MIN. THICKNESS	NAIL SIZE	NAIL QTY., MAX. STIFFENER HEIGHT FOR JOIST DEPTHS			
			9-1/2"	11-7/8"	14"	16"
LPI 18, LPI 20Plus, LPI 32Plus, LPI 450, LPI 530	23/32"	8d (2-1/2")	3, 6-3/8"	3, 8-3/4"	3, 10-7/8"	3, 12-7/8"
LPI 36	23/32"	8d (2-1/2")	-	4, 8-3/4"	5, 10-7/8"	6, 12-7/8"
LPI 42Plus, LPI 52Plus	1-1/2" (2x)	10d (3")	3, 6-3/8"	3, 8-3/4"	3, 10-7/8"	3, 12-7/8"
LPI 56	1-1/2" (2x)	10d (3")	-	4, 8-3/4"	5, 10-7/8"	6, 12-7/8"

- NOTE:** Web stiffeners are not applicable to the LPI 20FB and LPI 42FB series.
- NOTES:**
- Web stiffeners shall be installed in pairs – one to each side of the web. Web stiffeners are always required for the "Bird's Mouth" roof joist bearing detail.
  - Web stiffeners shall be cut to fit between the flanges of the LP SolidStart I-Joist, leaving a minimum 1/8" gap (1" maximum). At bearing locations, the stiffeners shall be installed tight to the bottom flange. At locations of concentrated loads, the stiffeners shall be installed tight to the top flange.
  - Web stiffeners shall be cut from APA Rated OSB (or equal) or from LP SolidStart LVL, LSL or OSB Rim Board. 2x lumber is permissible. Do NOT use 1x lumber as it tends to split. Do NOT build up the required stiffener thickness from multiple pieces.
  - Web stiffeners shall be the same width as the bearing surface, with a minimum of 3-1/2"
  - See Web Stiffener Requirements for minimum stiffener thickness, maximum stiffener height and required nailing.

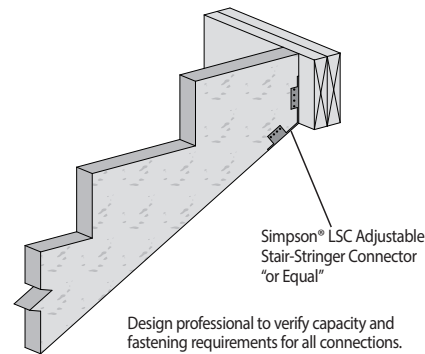


# Stair Stringer Details

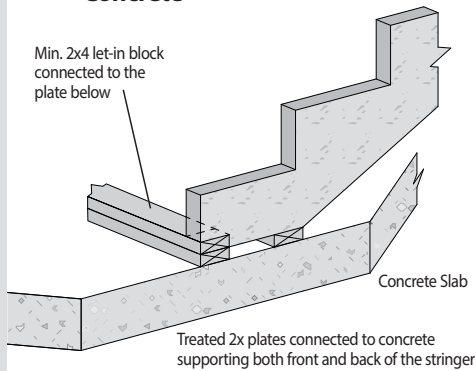
## G1 Stair Stringer - Top Support - Ledger



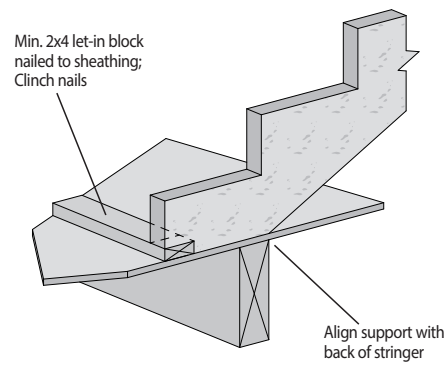
## G2 Stair Stringer - Top Support - Connector



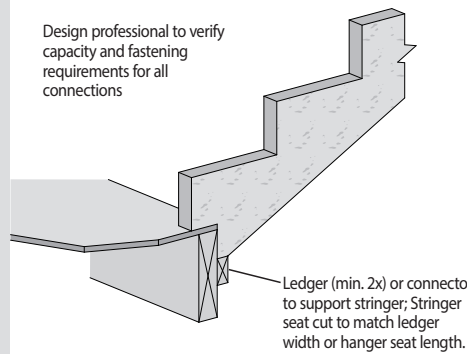
## G3 Stair Stringer - Bottom Support - Concrete



## G4 Stair Stringer - Bottom Support - Beam



## G5 Stair Stringer - Bottom Support - Ledger



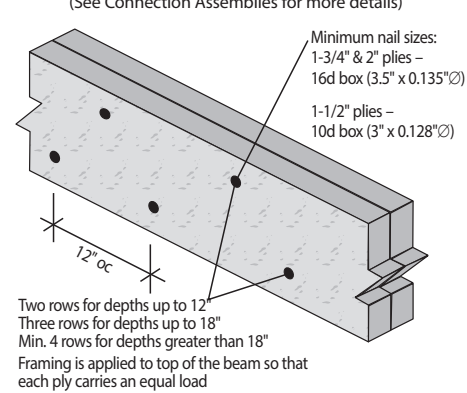
# Warnings

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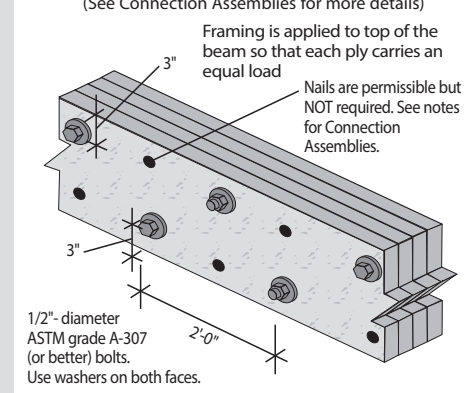
Do not use visually damaged products without first checking with your local LP SolidStart Engineered Wood Products distributor or sales office.

# LP SolidStart LVL & LSL Details

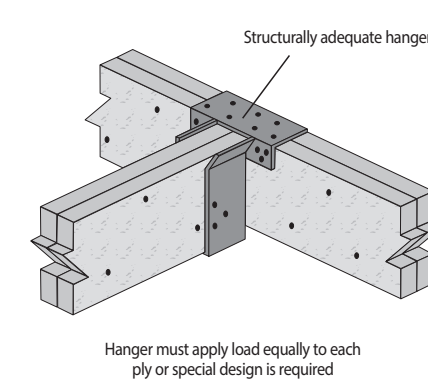
## P1 Top Loaded Beam - Nailed Connection



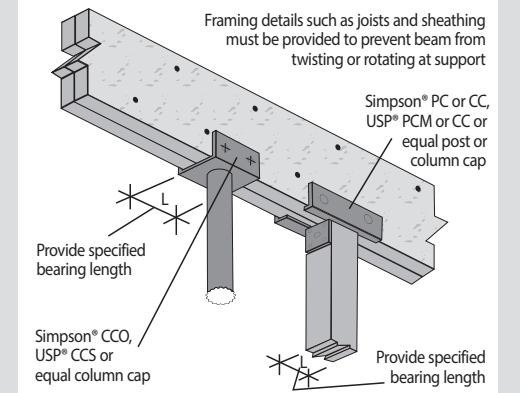
## P2 Top Loaded Beam - Bolted Connection



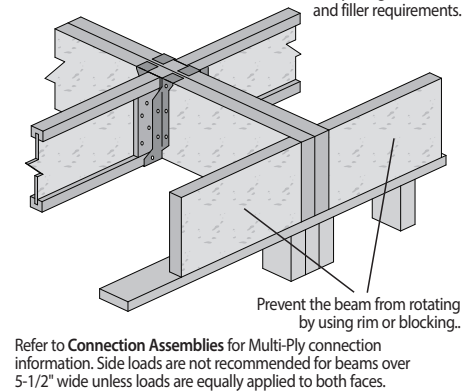
## P3 Beam Connection



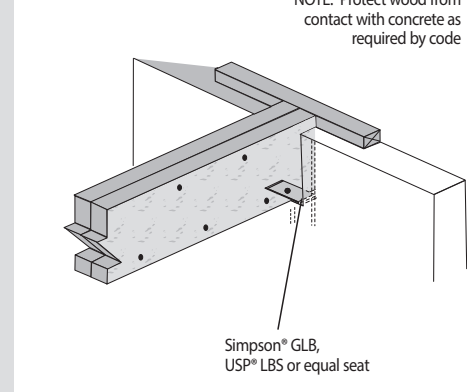
## P4 Steel Column & Wood Column



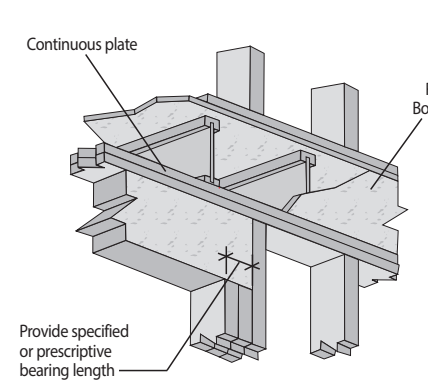
## P6 Side Loaded Beam



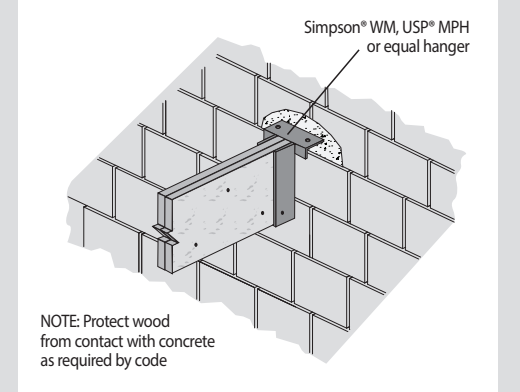
## P7 Concrete Wall



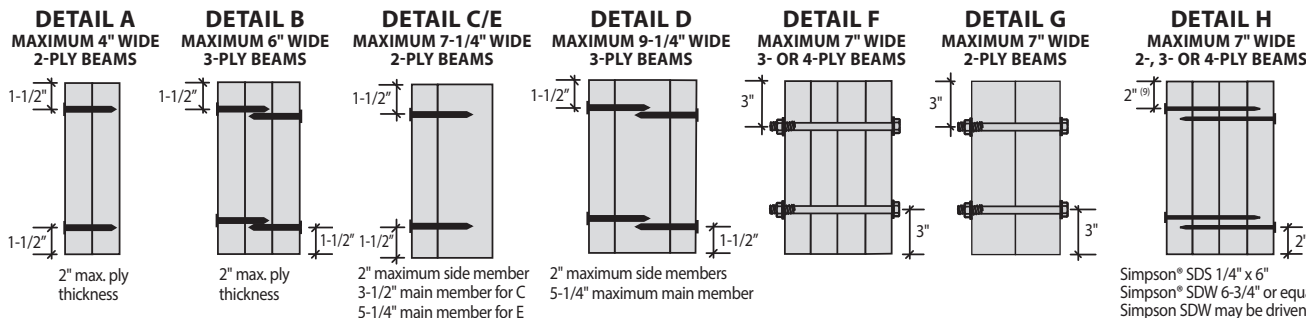
## Q1 Window/Door Header



## Q4 Masonry Hanger



# CONNECTION ASSEMBLIES



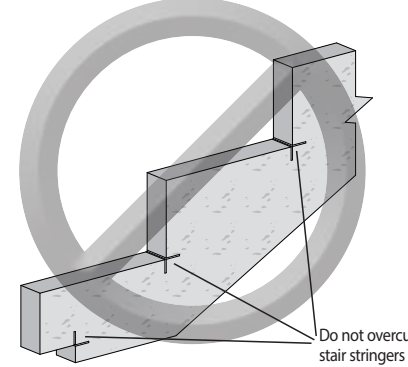
- NOTES:**
- Use 2 rows of nails for depths to 12". Use 3 rows of nails for depths greater than 12" up to 18". Use 4 rows of nails for depths greater than 18" up to 24".
  - 16d box (3-1/2" x 0.135") or common (3-1/2" x 0.162") nails shall be used for 1-3/4" and 2" thick plies. 10d box (3" x 0.128") or common (3" x 0.148") nails shall be used for 1-1/2" thick plies. 16d sinkers (3-1/4" x 0.148") may be used for 1-3/4" and 2" plies provided the nails are driven alternating from each face (see note 3).
  - For detail A or when attaching the first two plies for details B and F (optional), the nails may be driven all from one face or alternating from both faces. If the nails do not fully penetrate the second ply, then the nails shall be driven from both faces.
  - When driving nails from each face, alternate every other nail in each row.
  - For detail C/E, when side-loaded, the larger side-load shall be applied to the thicker ply (main member).
  - For details F and H, it is permissible to nail the plies together before bolting or driving Simpson SDS or SDW (or equal) screws. Nail two plies together then nail one additional ply to each side.
  - Beams wider than 5-1/2" shall be top-loaded or side-loaded from both sides to prevent rotation. Consult a professional engineer for other options.
  - Other nail, screw or bolt configurations are possible. Contact your LP SolidStart Engineered Wood Products distributor.
  - Minimum of 2" or the screw mfg's edge distance.

## R9

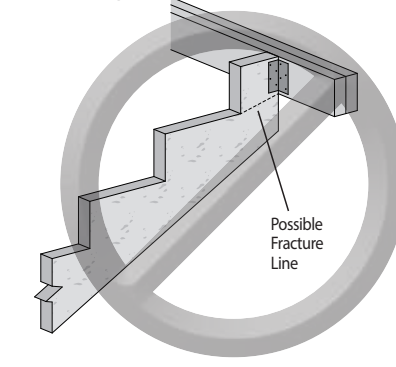
**DON'T** bore holes or notch unless reviewed by a design professional.

**Exception:** Small holes may be drilled in accordance with the Beam Hole Details.

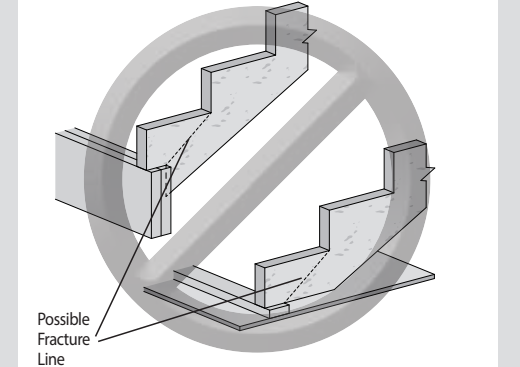
## R10 DON'T Overcut Stair Stringers



## R11 DON'T Partially Support Stringers - Top



## R12 DON'T Partially Support Stringers - Bottom



## Customer Service and Product Technical Support: 1.888.820.0325

E-mail: [customer.support@lpcorp.com](mailto:customer.support@lpcorp.com)

Visit our web site at: [www.lpcorp.com](http://www.lpcorp.com)

LP SolidStart Material Safety Data Sheets (MSDS) may be found on our website, [www.lpcorp.com](http://www.lpcorp.com).

LP SolidStart Engineered Wood Products are manufactured at different locations in the United States and Canada. Please verify availability with the LP SolidStart Engineered Wood Products distributor in your area before specifying these products.



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LPEW0456 5/19 ARGENT

**Dry Service Conditions**

**EXTERIOR EWP PRODUCTS:**  
Engineered Wood Products are designed for dry service conditions only.  
Builder is responsible for protecting Engineered Wood Products from wet service conditions.  
Build slope for drainage and ensure adequate ventilation in floor container.  
Homeowner is responsible for maintaining exterior protection of the Engineered Wood Products.

#6 **STANDARD DETAILS.**  
See detail schedule on page 3 of installation guide.

**NAILING REQUIREMENTS**

**TJI® joists at bearings:** Two 8d (2 1/4") box nails (1 each side), 1/2" minimum from end.

**Blocking panels, rim joist or rim board to bearing plate:**  
TJI® blocking panels or rim joist: 10d (3") box nails at 6" o.c.  
Rim joist rim board: To match with 10d (3") box nails at 6" o.c. or 16d (2 1/4") box nails at 12" o.c.  
Shear transfer: Connections equivalent to decking nail schedule.

**Rim board, rim joist or closure to TJI® joist:**  
1/2" width or less: Two 10d (3") box nails, one each at top and bottom flange.  
3/4" thru 2 1/2" widths: Two 16d (2 1/4") box nails, one each at top and bottom flange.  
3" width: To match joist to rim joist with one 10d (3") box nail each side of joist top flange.

**2x4 minimum squash blocks:** Two 10d (3") box nails, one each at top and bottom flange.

**Double Shear Nailing**

Double Shear Nailing - Side View

Dome or Tab Hole  
Do Not Bend Tabs

All hangers are to be installed as per Simpson Strong Tie specifications.  
All HUS, HGUS, LUS & HHUS hangers require shear nailing.

**DROPPED FLOOR DETAIL**  
NOT TO SCALE

3 PLYS OF 2x4 FLINTWOOD  
TJI JOIST  
F/M HANGER

**DROPPED FLOOR DETAIL**  
NOT TO SCALE

Attach rim board to top plate or beam as per detail A3  
One 8d nail at top and bottom flange  
Face-mounted hanger installed per manufacturer's recommendations  
Web stiffeners as required (see web stiffener details)  
Built-up LVL beam or equivalent  
For connecting beams see beam manufacturer's user guide

**SPLIT LEVEL BEARING**  
NOT TO SCALE

Attach rim board to top plate or beam as per detail A3  
One 8d nail at top and bottom flange  
Stub bearing wall  
One 8d nail at each side of TJI web

#8H1 **2x6 Block Hangers 90°**

SECTION A-A  
PLAN VIEW B-B

2x6 SPF#2 OR BETTER (BOTH SIDES)  
2" W x 3 1/2" BOX NAILS (FROM EACH SIDE STAGGERED)

MAXIMUM CAPACITY (BURNS FACTORED)

#8H2 **2x6 Block Hangers 30° to 90°**

SECTION A-A  
PLAN VIEW B-B

1 1/8" TIMBERSTRAND REIN BOARD  
2" W x 3 1/2" BOX NAILS (FROM EACH SIDE STAGGERED)

MAXIMUM CAPACITY (BURNS FACTORED)

**NUMBER OF PLYS REQUIRED FOR 8' POST REACTION ONLY REACTIONS OVER 1000 lbs ARE SHOWN ON LAYOUT**

MAXIMUM REACTION (UNBRACED CONDITIONS, TUL)	SPF#3/stud grade	SPF#2/or better	Post Req'd
1844 lbs	2547 lbs	2-2x4	
4536 lbs	6717 lbs	3-2x4	
7017 lbs	10858 lbs	4-2x4	
2898 lbs	3870 lbs	2-2x6	
7130 lbs	10545 lbs	3-2x6	
11031 lbs	17148 lbs	4-2x6	

Maximum reactions assumed to be centered over the column.  
This table is in accordance with the 2017 Canadian Wood Design Manual and is provided for reference only.

**NUMBER OF PLYS REQUIRED FOR 9' POST REACTION ONLY REACTIONS OVER 1000 lbs ARE SHOWN ON LAYOUT**

MAXIMUM REACTION (UNBRACED CONDITIONS, TUL)	SPF#3/stud grade	SPF#2/or better	Post Req'd
1466 lbs	1907 lbs	2-2x4	
3992 lbs	5752 lbs	3-2x4	
6398 lbs	8744 lbs	4-2x4	
2299 lbs	3005 lbs	2-2x6	
6285 lbs	9055 lbs	3-2x6	
10255 lbs	15735 lbs	4-2x6	

Maximum reactions assumed to be centered over the column.  
This table is in accordance with the 2017 Canadian Wood Design Manual and is provided for reference only.

**NUMBER OF PLYS REQUIRED FOR 10' POST REACTION ONLY REACTIONS OVER 1000 lbs ARE SHOWN ON LAYOUT**

MAXIMUM REACTION (UNBRACED CONDITIONS, TUL)	SPF#3/stud grade	SPF#2/or better	Post Req'd
1160 lbs	1484 lbs	2-2x4	
3479 lbs	4886 lbs	3-2x4	
5303 lbs	7005 lbs	4-2x4	
1822 lbs	2337 lbs	2-2x6	
5477 lbs	7700 lbs	3-2x6	
9466 lbs	14233 lbs	4-2x6	

Maximum reactions assumed to be centered over the column.  
This table is in accordance with the 2017 Canadian Wood Design Manual and is provided for reference only.

**NUMBER OF PLYS REQUIRED FOR 12' POST REACTION ONLY REACTIONS OVER 1000 lbs ARE SHOWN ON LAYOUT**

MAXIMUM REACTION (UNBRACED CONDITIONS, TUL)	SPF#2/or better	Post Req'd
942 lbs	2-2x4	
3480 lbs	3-2x4	
4640 lbs	4-2x4	
1482 lbs	2-2x6	
5566 lbs	3-2x6	
11539 lbs	4-2x6	

Maximum reactions assumed to be centered over the column.  
This table is in accordance with the 2017 Canadian Wood Design Manual and is provided for reference only.

**Non Load Bearing Wall Parallel to Joist**

Glue and nail all connections.

2x4 at 48" o.c. w/ 2x4 plate over may be required to support load or as required per local building code.

Double joists may be required to support load or as required per local building code.

- Semi-Flush Beam Design Notes**
- Floor joists (11-7/8" or 14"). (Deeper joists require engineering review)
  - Semi-Flush LVL beam. Beam designed as flush beam. Lamination detail as indicated on floor layout. Beam drop 6" maximum (7" maximum for 14" joists).
  - Face/Top mount hanger.
  - Subfloor sheathing. Screwed and glued.
  - SPF No.2 blocking on flat. Nail using 2-rows of 3" nails @ 8" o/c per ply. (Adhesive optional)
  - Blocking to be continuous for the full length of the beam and cut only as required for plumbing and/or mechanical.
  - SPF No.2 blocking on edge. Nail using 2-rows of 3" nails @ 8" o/c per ply. (Adhesive optional)
  - Blocking to be continuous for the full length of the beam and cut only as required for plumbing and/or mechanical.
  - CS16 straps attaching the SPF No.2 blocking to the LVL beam @ joist spacing (Full depth of the beam and blocking).
  - 1" OSB/Plywood filler applied at the center of the blocking.
  - Web stiffeners both sides as required based on hanger height and/or bearing requirement.

#SF-A **Semi-Flush Beam Detail - A**  
Blocking on Flat - Face Mount Hangers

Center 4x8 Panel Over Beam  
Min. 11-7/8" Floor Depth

#SF-B **Semi-Flush Beam Detail - B**  
Blocking on Edge - Face Mount Hangers

Center 4x8 Panel Over Beam  
Min. 11-7/8" Floor Depth

#SF-C **Semi-Flush Beam Detail - C**  
Blocking on Flat - Top Mount Hangers

Center 4x8 Panel Over Beam  
Min. 11-7/8" Floor Depth

**Screw Patterns for Side Loaded Point Loads**

FLATLOCK Screws (4 1/2" x 3 1/2", 5" or 6 1/2")  
Box Nails 10d (0.128"x3")  
1 1/4" width pieces (2, 3 & 4 PLYS)

Minimum end distance for screws is 6"  
Note: Nailing patterns will follow the same layout as for the screws

#CD1 **Cantilevered Width Max. 10ft**

Maximum load from one floor and roof above.

TJI Blocking is not required when cantilever width is less than or equal to 10ft.

n/n 8d (0.131"x2 1/2") @ 6" o.c.

n/n 8d (0.131"x2 1/2") @ 6" o.c.

n/n 8d (0.131"x2 1/2") @ 6" o.c.

2x6 Flat block, install tight to joist flanges.

1bd (0.128"x3"x6') @ 6" o.c.

1bd (0.128"x3"x6') @ 6" o.c.

1bd (0.128"x3"x6') @ 6" o.c.

Maximum 2' overhang

Detail applies to Part 9 residential applications only.  
Design of TJI floor members in Level software or literature is required.  
Web stiffeners at bearings or cantilever reinforcement may be required depending on the design.  
Refer to detail V of Level Specifier's Guide TJI-4500 for web stiffener nailing instructions.  
Blocking at the cantilever bearing to be added at the discretion of the building designer or engineer.

#CD2 **Cantilevered TJI to Deck Connection**

FLASHING  
2-1/2" DIAMETER LAG BOLTS THROUGH SHEATHING INTO TOP OF RIM BOARD SPACED AT 12" o.c.  
1-1/8" or 1-1/4" RIM BOARD  
BLOCKING PANEL  
CANTILEVERED JOIST  
INVERTED FACE MOUNT HANGER  
48" maximum  
2x LEDGER AS PER CODE (TREATED LEDGER RECOMMENDED)

L5749 OR M5749 STRAP TIE EVERY 48" OR SHEATHING FASTENED TO BOTTOM OF TJI JOIST AND CONNECTED TO RIMBOARD WITH 2-1/2" NAILS @ 6" o.c.

Reduction Factor For Face Mount Hangers in Rimboard Applications  
Copy these factors to hanger capacities found in Wood Cost Connection Cat. (C-CAN12)

Joist Hanger	Face Nails Specified as	Face Nails For Rimboard	1-1/8" TJI Rimboard	1-1/4" Timberstrand Rimboard
H	10d	10d clinched	0.75	1.0
HUS	10d	10d clinched	0.75	1.0
HBU, U, LBU	10d	10d clinched	0.75	1.0

(1) Maximum factored download permitted by any hanger on SQ rimboard is 5780 lbs.  
(2) NAILS: 10d 0.131" dia. x 3" long, 16d = 0.162" dia. x 3-1/2" long.  
(3) Do not use 10d x 1-1/2" face nail.

#PB1 **Blocking Installation Detail**

Apply adhesive to all contact surfaces

Two 8d (0.113" x 2 1/2") nails or 2x4 screws, through web into typical 2x6 block

Alternate block location to opposite side of web for continuous mid-span blocking