

9-1/2"

11-7/8"

9-1/2"

LPI 20Plus

LPI 32Plus

LPI 36

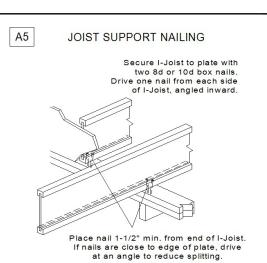
LPI 56

LPI 42Plus

LPI 52Plus

Clear

Span



8" | 10" | 12"

Distance from End Support

1'-0" | 2'-5" | 4'-6" | 6'-11"

1'-0" | 1'-0" | 1'-0" | 2'-3" | 4'-5"

| 2'-11" | 4'-11" | 7'-2" | 9'-9"

| 1'-0" | 1'-0" | 1'-0" | 2'-2"

1'-0" | 1'-4" | 2'-5" | 3'-7" | 4'-11"

5'-9" | 7'-0" | 8'-4" | 9'-9" | 11'-3" | 12'-10" | 9'-0" | 10'-0" | 11'-0" | 12'-0" | 13'-2" |

| 1'-0" | 1'-0" | 1'-0" | 2'-0" | 3'-10" | 5'-11" | 1'-0" | 1'-0" | 2'-7" | 4'-1" | 5'-8" | 7'-3"

| 1'-3" | 2'-11" | 4'-8" | 6'-8" | 8'-10" | 11'-3" | 4'-5" | 6'-0" | 7'-7" | 9'-1" | 10'-8" | 12'-10"

22' | 1'-0" | 1'-0" | 2'-5" | 4'-3" | 6'-3" | 8'-6" | 1'-11" | 3'-6" | 5'-1" | 6'-7" | 8'-2" | 9'-11"

30' | 3'-4" | 5'-2" | 7'-1" | 9'-2" | 11'-5" | 14'-0" | 6'-11" | 8'-6" | 10'-1" | 11'-7" | 13'-5" | -

18' | 1'-0" | 1'-0" | 1'-4" | 2'-5" | 3'-7" | 4'-11" | 1'-6" | 2'-6" | 3'-6" | 4'-6" | 5'-6" | 6'-6"

22' 1'-4" 2'-5" 3'-6" 4'-9" 6'-1" 7'-5" 4'-0" 5'-0" 6'-0" 7'-0" 8'-0" 9'-0"

26' 3'-6" 4'-8" 5'-11" 7'-2" 8'-7" 10'-1" 6'-6" 7'-6" 8'-6" 9'-6" 10'-6" 11'-9"

30' | 5'-9" | 7'-0" | 8'-4" | 9'-9" | 11'-3" | 12'-10" | 9'-0" | 10'-0" | 11'-0" | 12'-0" | 13'-2" | 14'-8"

1'-5" | 2'-9" | 4'-1" | 5'-6" | 7'-0"

| 1'-0" | 1'-0" | 1'-0" | 1'-0" |

1'-0" 1'-11" 4'-4" 7'-1" - -

1'-5" 3'-5" 5'-6" 7'-10" 10'-6" -

| 1'-0" | 1'-0" | 1'-0" | - | - | -

14' | 1'-0" | 1'-0" | 1'-5"

1'-0" 1'-0" 2'-6" 4'-1"

Minimum 2x diameter of larger hole

1/3 span length

1. These guidelines apply to uniformly loaded beams selected from the Quick Reference Tables or the Uniform Load Tables

or designed with LP's design/specification software only. For all other applications, such as beams with concentrated loads, please contact your LP® SolidStart® Engineered Wood Products distributor for assistance.

2. Round holes can be drilled anywhere in "Area A" provided that: no more than four holes are cut, with the minimum spacing

described in the diagram. The maximum hole size is 1-1/2" for depths up to 9-1/4," and 2" for depths greater than 9-1/4."

5. Other hole sizes and configurations MAY be possible with further engineering analysis. For more information, contact your LP SolidStart Engineered Wood Products distributor.

6. Up to three 3/4" holes may be drilled in "Area B" to accommodate wiring and/or water lines. These holes shall be at least

12" apart. The holes shall be located in the middle third of the depth, or a minimum of 3" from the bottom and top of the

1'-8" | 3'-2" | 4'-10" | 6'-7" | -

| 1'-0" | 1'-0" | 1'-0" | 1'-0" | 2'-2"

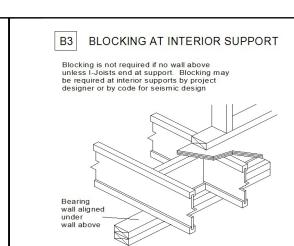
1'-5" 2'-9" 4'-1" 5'-6" 7'-0"

26' | 3'-8" | 5'-0" | 6'-5" | 8'-0" | 9'-8" | -

| 1'-0" | 1'-0" | 1'-0" | 1'-0" | 2'-10"

| 1'-0" | 1'-3" | 3'-2" | 5'-4" | 7'-10"

3'-3" | 5'-3" | 7'-5" | 9'-9" | 12'-6" | -



Distance from Interior or Cantilever-End Support

2" 4" 6" 8" 10" 12"

1'-0" | 1'-0" | 1'-0"

1'-11" | 3'-9" | 5'-7"

1'-0" | 1'-0" | 1'-3" | 3'-0"

2'-9" | 4'-6" | 6'-3" | 8'-1"

3'-10" | 5'-6" | 7'-2" | 8'-10"

6'-4" | 8'-0" | 9'-8" | 11'-6" |

1'-0" | 1'-0" | 2'-1" | 3'-5"

1'-10" | 3'-3" | 4'-7" | 5'-11"

1'-0" | 1'-0" | 1'-5" | 2'-7" | 3'-9"

4'-2" | 5'-4" | 6'-5" | 7'-7" | 8'-9"

1'-6" | 2'-6" | 3'-6" | 4'-6" | 5'-6"

| 6'-6" | 7'-6" | 8'-6" | 9'-6" | 10'-6" |

1'-0" | 1'-0" | 1'-0" | 2'-6" | 4'-4"

| 1'-0" | 1'-5" | 3'-3" | 5'-0" | 6'-10"

2'-2" | 3'-11" | 5'-9" | 7'-6" | 9'-4"

4'-8" | 6'-5" | 8'-3" | 10'-0" | 12'-2" |

1'-0" | 1'-0" | 1'-0" | 1'-3" |

1'-0" | 2'-1" | 4'-2" | 6'-3"

2'-6" | 4'-7" | 6'-8" | 8'-9" |

| 1'-0" | 1'-0" | 1'-0" |

1'-0" | 1'-0" | 1'-0"

1'-0" | 1'-5" | 3'-1"

2'-3" | 3'-11" | 5'-7" | -

1'-0" | 1'-0" | 1'-0" | 1'-0"

1'-0" | 1'-0" | 2'-1" | 3'-5"

1'-10" | 3'-3" | 4'-7" | 5'-11"

4'-4" | 5'-9" | 7'-1" | 8'-5" |

1'-0" | 1'-0" | 1'-5" | 2'-7" | 3'-9"

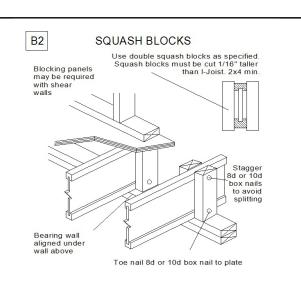
| 1'-8" | 2'-10" | 3'-11" | 5'-1" | 6'-3"

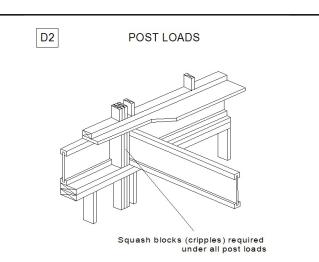
4'-2" | 5'-4" | 6'-5" | 7'-7" | 8'-9"

6'-8" 7'-10" 8'-11" 10'-1" 11'-4"

1'-0" | 1'-5" | 3'-1" 2'-3" | 3'-11" | 5'-7" |

1'-0" | 1'-0" | 2'-2" | 3'-10" | 5'-6"





LPI 20Plus

LPI 32Plus

LPI 36

LPI 42Plus LPI 52Plus

WEB STIFFENER REQUIREMENTS

11-7/8"

11-7/8"

14"

9-1/2"

11-7/8"

14"

11-7/8"

23/32"

23/32"

23/32"

23/32"

23/32"

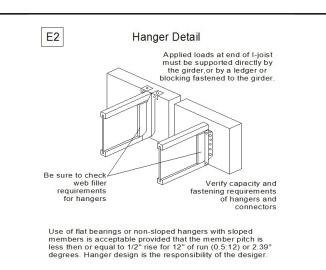
1-1/2"

1-1/2"

1-1/2"

1-1/2"

1-1/2"



8d (2-1/2")

8d (2-1/2")

8d (2-1/2")

8d (2-1/2")

8d (2-1/2")

8d (2-1/2")

10d (3")

10d (3")

10d (3")

10d (3")

10d (3")

10d (3")

8d (2-1/2")

Maximum Height

6-3/8"

8-3/4"

10-7/8"

12-7/8"

10-7/8"

12-7/8"

6-3/8"

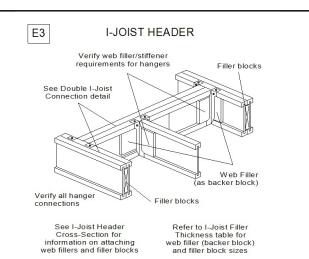
8-3/4"

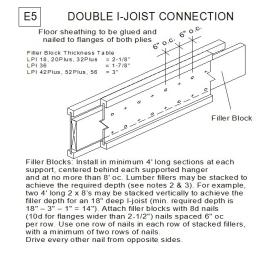
10-7/8"

8-3/4"

10-7/8"

12-7/8"





W1 WEB STIFFENER REQUIREMENTS

Interior or Cantilever suppor

* Refer to framing plan for specific conditions

2.5

2.5

Depth

11.875

Depth

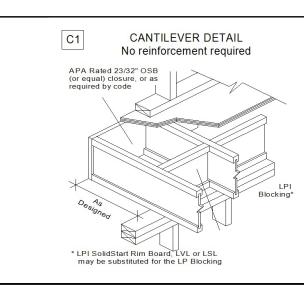
Skew Slope

Qty

14 LinFt

1.125

1/8" min., 1" max gap



lange with the gap to the top flange. At locations of concentrated loads, the stiffeners

See product specific technical guide for minimum stiffener thickness, maximum

ffener height and required nailing.

uld be installed tight to the top flange with the gap to the bottom flange. Veb stiffeners should be cut from APA-rated OSB or equal, or from 2x lumber. Do

Pcs

4

Pcs

Pcs

Pcs

Pcs

Varies

Plies

Plies

Plies

Beam/Girder

fasteners

14 10d

12 10d

8-0-0

Length

Length

Supported Member

2 10dx1 1/2



2160 Satellite Blvd., Suite 450 Duluth, GA 30097 888-613-5078







| Length | | |
|--------|-------------------|------------------------|
| 10-0-0 | 2nd Flr | |
| 34-0-0 | Design Method | ASD (USA) |
| 18-0-0 | Building Code | IRC 2018 |
| 18-0-0 | Floor | |
| 18-0-0 | Loads | |
| 14-0-0 | Live | 40 |
| 22-0-0 | Dead | 10 |
| 22-0-0 | Deflection Joist | |
| 22-0-0 | LL Span L/ | 480 |
| | TL Span L/ | 240 |
| Length | LL Cant 2L/ | 240 |
| 24-0-0 | TL Cant 2L/ | 180 |
| | Deflection Girder | |
| Length | LL Span L/ | 360 |
| 10-0-0 | TL Span L/ | 240 |
| 8-0-0 | LL Cant 2L/ | 240 |
| 6-0-0 | TL Cant 2L/ | 180 |
| 20-0-0 | Decking | |
| | Decking | OSB |
| Length | | 23/32 APA Rated Sturd- |
| 16-0-0 | | I-Floor |

Nailed & Glued Web Stiffener 3.5" Ext Wall 3.5" Int Wall 5.5" Int Wall 3.5" Non-Brg Wall Wall Opening

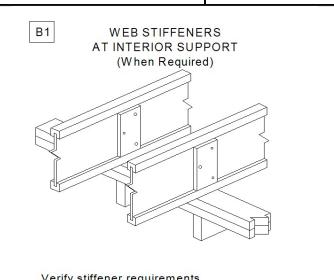
LP APA Rated OSB 1.125 X 14 LPI 20Plus 14 LPI 32Plus 14

LP-LVL 2900Fb-2.0E 1.75 X 9.25 (Dropped)

LP-LVL 2900Fb-2.0E 1.75 X 11.875 (Dropped) LP-LVL 2900Fb-2.0E 1.75 X 24

1.5 X 9.25 (Dropped)

WEB STIFFENERS AT INTERIOR SUPPORT (When Required) Verify stiffener requirements



2nd Flr

I Joist (Flush)

J11

J9

Label Description

FB2 LPI 20Plus

FB3 LPI 32Plus

J5 LPI 32Plus

J3 LPI 32Plus

Label Description

Label Description

Beam By Others (Dropped) Label Description

Rim Board

R1

Blocking

B1

Hanger

LVL/LSL (Flush)

TVL/LSL (Dropped)

LPI 20Plus

LPI 20Plus

LPI 20Plus

LPI 20Plus

LPI 20Plus

FB1 LP-LVL 2900Fb-2.0E

HD3 LP-LVL 2900Fb-2.0E

HD2 LP-LVL 2900Fb-2.0E

HD1 LP-LVL 2900Fb-2.0E

HD4 LP-LVL 2900Fb-2.0E

LP APA Rated OSB

Pcs Description

1 Hanger By Others

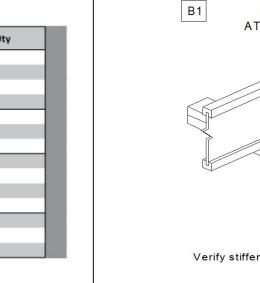
1 IUS2.56/14 (Max)

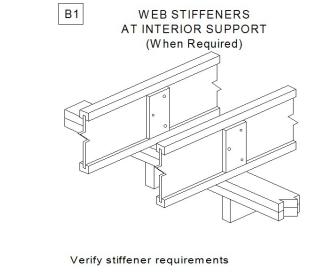
15 IUS2.56/14 (Min)

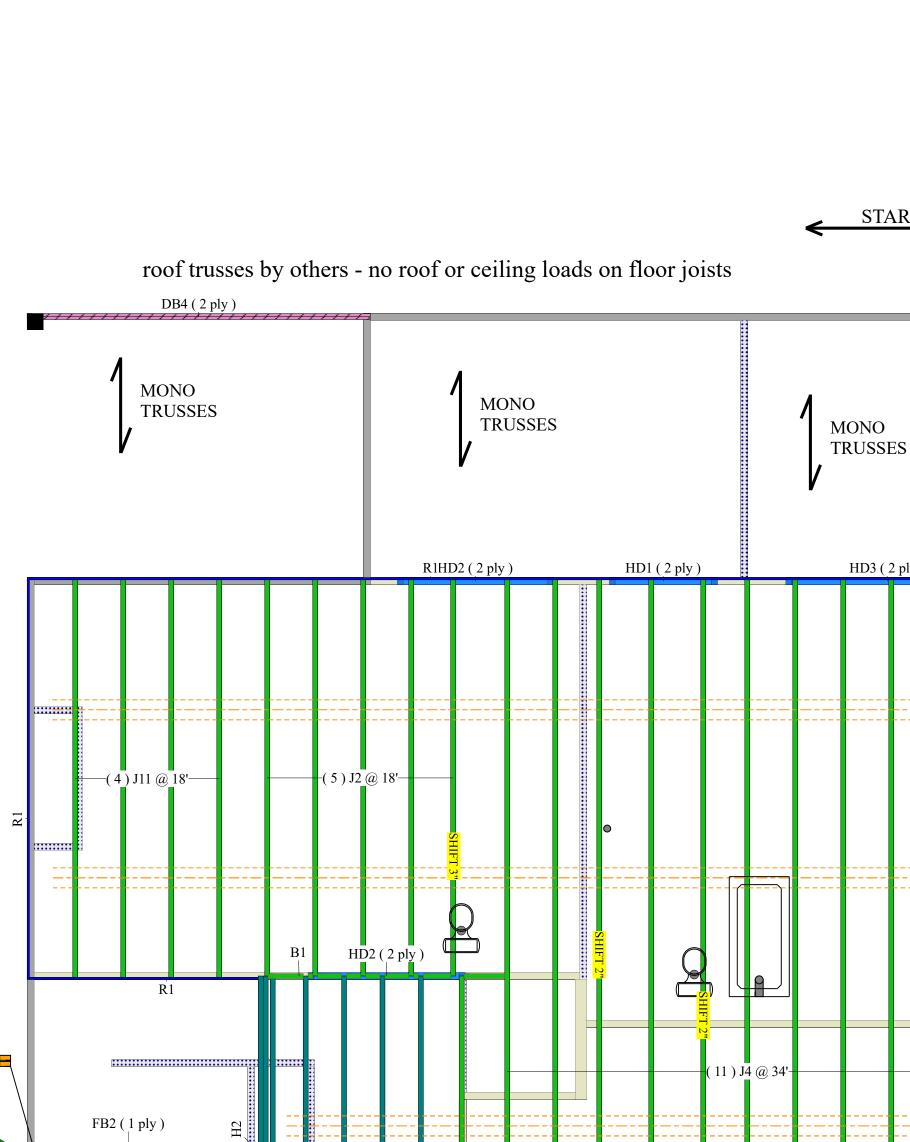
.125 X 14

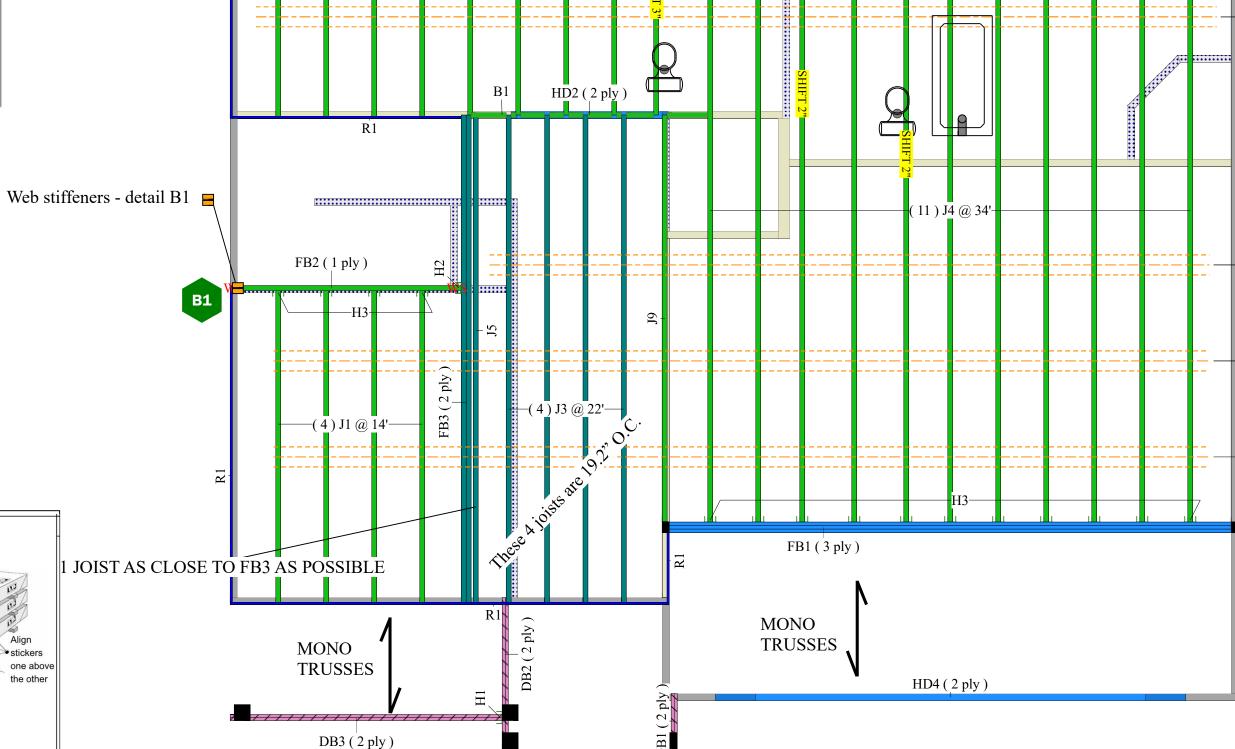
LPI 20 Plus

Label Description





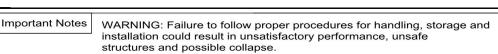




| 1 |
|---|
| |
| |







4. DO NOT drill holes in cantilevers without prior approval from the project designer.

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.

beam. For beams shallower than 9-1/4", locate holes at mid-depth.

BEAM HOLE DETAILS

3. Rectangular holes are NOT allowed.

7. Protect plumbing holes from moisture.

- 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 equivalent moisture
- 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

Handling & Storage

Hard, dry, level surface

content in lumber will not exceed 16%.