

DN01

DO NOT

cut, notch or drill flanges

DN04

DO NOT

cut holes near bearing support

F15-A

BCI® joists are intended only for applications that provide permanent protection from the weather:

- BCI® joist blocking
- Uniform loads only
- Wood structural panel or rimboard closure
- Direct applied soffit or ceiling
- Uplift on backspan shall be considered in all cantilever designs

Backspan
Cantilever no greater than 1/3 of backspan or 4' 0"

F06

Load bearing wall above (stacked over wall below)

BCI® Joist Blocking
See Boise literature for vertical load capacity.

F15-E

Sill plate to be properly anchored to steel beam

Steel Beam
Backer Block Optional

F07

See Boise literature for vertical load capacity.

Boise Rimboard
Nail Boise Rimboard to BCI® joist with 8d nail into each flange.

F16-D

Backer Block

1/4" - 2" gap

"Top Mount"

Backer block shall be tight to bottom of top flange with 1/4" - 2" gap at top of bottom flange.

"Face Mount"

Backer block shall be tight to top of bottom flange with 1/4" - 2" gap at bottom of top flange.

F08

Solid block all posts from above to bearing below.

F18

See Boise literature for vertical load capacity.

Backer Block for Horizontal Siding and Stucco.
Nail Boise rim joist with 2 1/2" (8d) nails at 6" o.c.

F09

Load bearing wall above (stacked over wall below)

1/16"
2x block

F52

8d each side of web through flange at bearing

Minimum 1-1/2" bearing length
Nails placed 1-1/2" minimum from end of BCI® Joist to limit splitting

F10

Backer block (12" wide min.)
Nail with 10- 10d nails.
Install tight to top flange.

Joist hanger
Filler block.
Nail with 10-10d nails.
Backer block required where top mount hanger load exceeds 250 lbs. Install tight to top flange.

F58

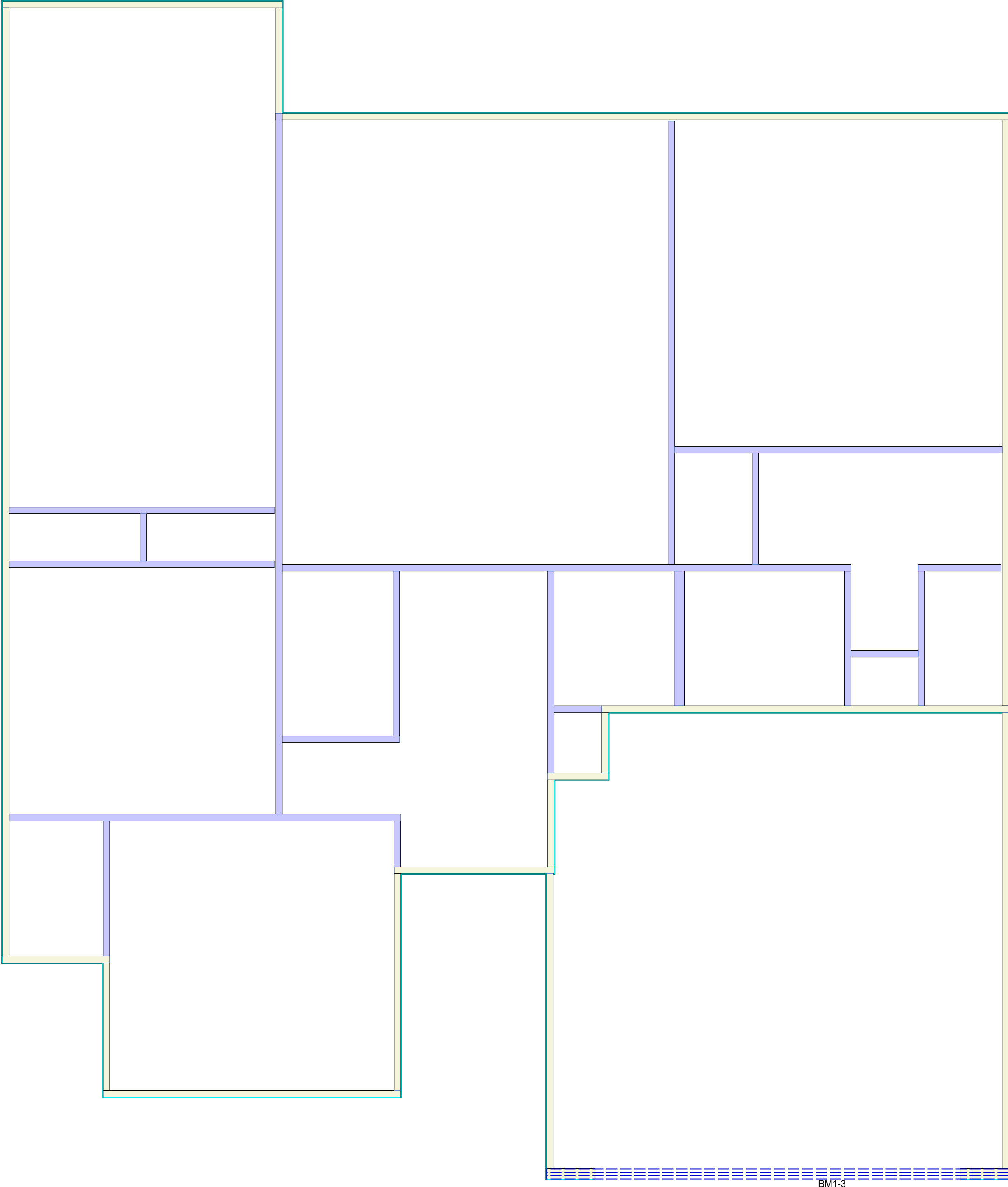
Double BCI® Joist Connection

Web-Filler
Nailing 12" OC

Filler Block (see literature)

Connection valid for all applications. Contact Boise EWP Engineering for specific conditions.

GENERAL NOTES & DESIGN ASSUMPTIONS
ALL DIMENSIONAL DROPPED GIRDERS NOT INCLUDED W EWP PACKAGE
ALL CEILING JOISTS ARE 2x8 SPF #2 SPACING PER IRC (UNO)
ALL RAFTERS ARE 2x8 SPF #2 SPACING PER IRC (UNO)
ALL LOAD HEADERS, NOT SHOWN ON LAYOUT, ARE (2)2x10 SYP #2 (UNO)
ALL 2x4, 2x6 & 2x8 ARE SPF #2 (UNO)
ALL 2x10 & 2x12 JOISTS ARE SYP #2 (UNO)
ALL RIDGES AND HIP RAFTERS ARE 2x10 or 2x12 (UNO)
ALL VALLEY RAFTERS ARE 2x12 (UNO)
#J = NUMBER OF 2x4 SPF #2 JACK STUDS REQUIRED (LVL POST PT#)



Joist & Rafter Area Loads	Live Load psf	Dead Load psf
Primary Living	40	10
Secondary & Attic Permanent Stairs	30	10
Ceiling - Limited Storage	20	10
Ceiling - No Storage	10	5
Roof - No Ceiling Load	20	10
Flat Roof or Cathedral w/Drywall Ceiling	20	15

Builders

FirstSource

www.bldr.com

Boise Cascade

7601 BOEING DRIVE
GREENSBORO, NC 27409
V (336) 884-5454

4575 HAMPTON ROAD
CLEMMONS, NC 27409
V (336) 712-9910

1135 ROBESON STREET
FAYETTEVILLE, NC 28305
V (910) 485-1111

3189 NC HIGHWAY 5
ABERDEEN NC 28315
V (910) 944-2516

This layout and associated materials list has been prepared based on project plans and/or information provided to Builders FirstSource (BFS). It remains the responsibility of the builder, architect, designer, or other responsible persons to review this information to assure that it is appropriate, accurate, complete and complies with applicable building codes.

Products				
PlotID	Length	Product	Plies	Net Qty
BM1-3	22' 0"	1-3/4" x 11-7/8" VERSA-LAM® LVL 2.1E 3100 SP	3	3

GENERAL NOTES:

- 1.) READ THE INSTALLATION GUIDE BEFORE FRAMING.
- 2.) ALL WALLS SHOWN ARE LOAD BEARING UNLESS NOTED OTHERWISE. WALLS NOT SHOWN ARE CONSIDERED NON-LOAD BEARING.
- 3.) UNLESS STATED OTHERWISE ALL CEILING & ROOF LOADS BRACE DIRECTLY TO LOAD BEARING WALLS SUPPORTED BY FOUNDATION.
- 4.) CONTACT BUILDERS FIRSTSOURCE BEFORE MAKING ANY ALTERATIONS OR ADJUSTMENTS...FAILURE TO DO SO MAY RESULT IN COSTLY REPAIRS.

JSJ

BELFORD

SECOND FLOOR EWP PLACEMENT PLAN

Builders FirstSource, Central Carolina Markets

DRAWN BY: Vernon Schmidt

DATE: 7/14/2025

JOB NUMBER:

SCALE: 1/4" = 1'

MINIMUM DESIGN DATA

LIVE LOAD 40 PSF
DEAD LOAD 10 PSF

TOTAL LOAD 50 PSF

DOL = 100%

DEFLECTION CRITERIA
L/480 (MINIMUM)

ARCHITECTUAL PLAN DATE
5-13-2025

REVISED ARCH. PLAN DATE
XX-XX-XX

SD05132025

Sheet
1 of 1

Wall Legend	
	Bearing Wall
	Non-Load Bearing Wall

LOT 17 DUCKS LANDING