

**DN01 DO NOT** cut, notch or drill flanges

**DN04 DO NOT** cut holes near bearing support

Minimum distance per Boise joist hole chart.

**F05** 23/32" min. plywood/OSB or rimboard closure

Nail with 8d nails into each flange. BCI® joist blocking required for cantilever.

**F05-A**

Inverted hangers. BCI®/AJS® joist blocking required for cantilever. LVL floor. 8d nails @ 8" o.c.

**F06**

Load bearing wall above (stacked over wall below).

**F16-C**

Web stiffeners are not required when top flange is laterally supported by joist hanger. 0.6 X Joist depth.

**F07**

See Boise literature for vertical load capacity.

**F07-A**

Note: Sheathing shall not span greater than rating. Boise I-joist can be offset up to 3" to avoid vertical plumbing.

**F08**

Solid block all posts from above to bearing below.

**F08-A**

Solid block all posts from above to bearing below.

**F09**

Load bearing wall above (stacked over wall below).

**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.

**F16-E**

Stiffeners are required on both sides of the web when:  
- Hangers with side nailing.  
- Any hanger with sides not containing the top flange of the joist.  
- Web stiffener nailed with 3 - 3" (10d) nails for 9 1/2" and 11 7/8" joists, and 5 - 3" (10d) nails for 14" & 16" joists.

Point Load from above > 1500 lbs. (Factored)

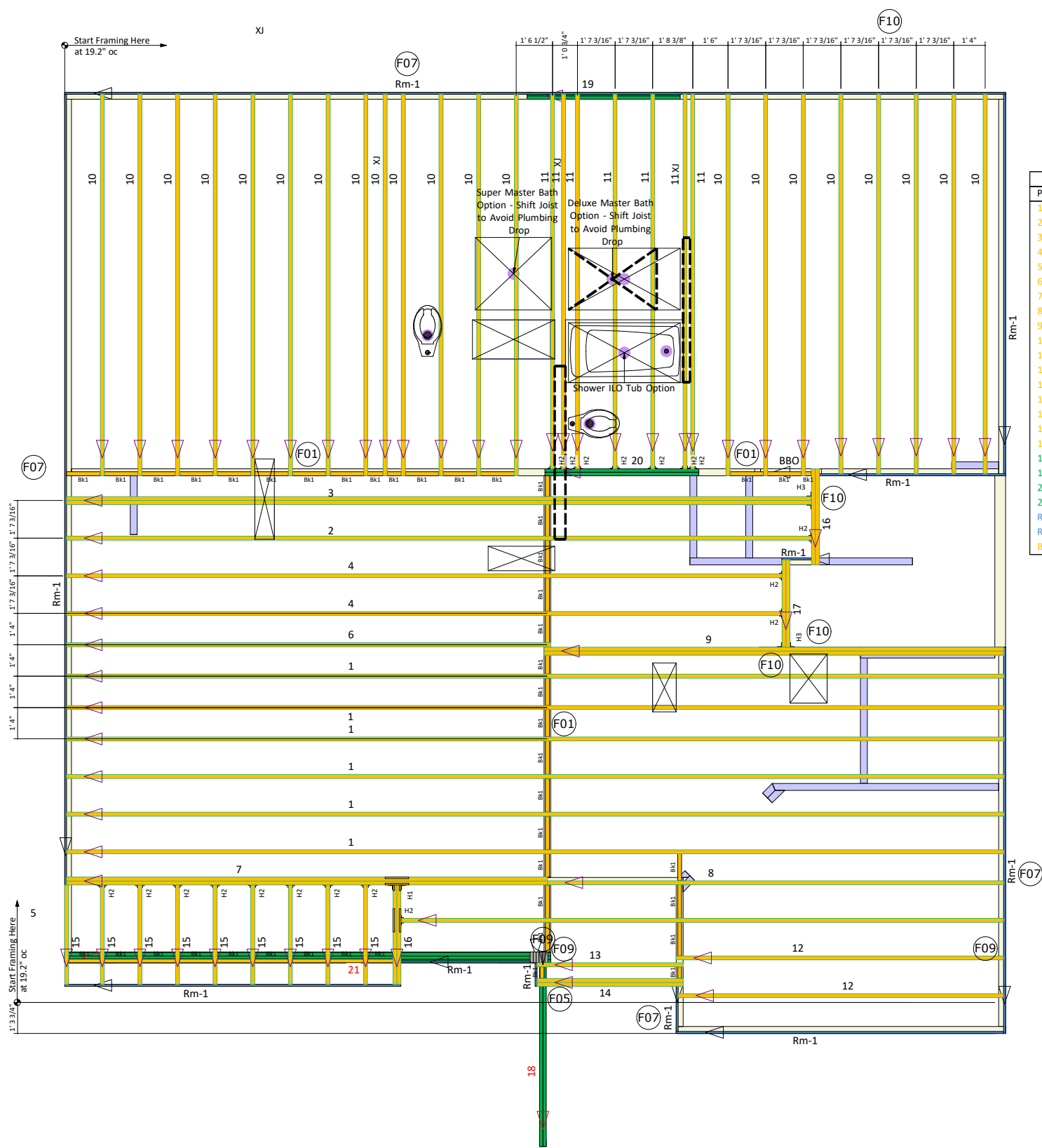
For Point Load from above: Install web stiffeners tight against top flange with 1/8" gap between bottom flange.

**F58-B** Double BCI® Joist Connection

Web-Filler Nailing 12" OC. Filler Block (see chart).

Backer and Filler Block Dimensions		
BCI® Joist Series	Backer Block Thickness	Filler Block Thickness
5000s 1.8	3/4" or 1 1/8" wood panels	Two 3/4" wood panels or 2 x ...
6000s 1.8	1-1/8" or two 1/2" wood panels	2 x ... + 5/8" or 3/4" wood panel
6500s 1.8	1-1/8" or two 1/2" wood panels	2 x ... + 5/8" or 3/4" wood panel
80 2.0	1-1/8" or two 1/2" wood panels	2 x ... + 5/8" or 3/4" wood panel
90 2.0	2 x ... lumber	Double 2 x ... lumber

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



Second Floor Layout

PlotID	Length	Product	Plies	Net Qty	Fab Type
1	40' 0"	14" BCI® 5000s-1.8	1	6	MFD
2	32' 0"	14" BCI® 5000s-1.8	1	1	MFD
3	32' 0"	14" BCI® 5000s-1.8	2	2	MFD
4	31' 0"	14" BCI® 5000s-1.8	1	2	MFD
5	26' 0"	14" BCI® 5000s-1.8	1	1	MFD
6	21' 0"	14" BCI® 5000s-1.8	1	1	MFD
7	21' 0"	14" BCI® 5000s-1.8	2	2	MFD
8	20' 0"	14" BCI® 5000s-1.8	1	1	MFD
9	20' 0"	14" BCI® 5000s-1.8	2	2	MFD
10	17' 0"	14" BCI® 5000s-1.8	1	21	MFD
11	16' 0"	14" BCI® 5000s-1.8	1	7	MFD
12	14' 0"	14" BCI® 5000s-1.8	1	2	MFD
13	7' 0"	14" BCI® 5000s-1.8	1	1	MFD
14	7' 0"	14" BCI® 5000s-1.8	2	2	MFD
15	5' 0"	14" BCI® 5000s-1.8	1	9	MFD
16	5' 0"	14" BCI® 5000s-1.8	2	4	MFD
17	4' 0"	14" BCI® 5000s-1.8	2	2	MFD
18	10' 0"	1-3/4" x 9-1/4" VERSA-LAM® LVL 2.1E 3100 SP	2	2	FF
19	8' 0"	1-3/4" x 9-1/4" VERSA-LAM® LVL 2.1E 3100 SP	2	2	FF
20	8' 0"	1-3/4" x 14" VERSA-LAM® LVL 2.1E 3100 SP	2	2	FF
21	22' 0"	1-3/4" x 16" VERSA-LAM® LVL 2.1E 3100 SP	3	3	FF
Rm-1	12' 0"	1" x 14" BC RIM BOARD OSB	1	12	FF
Rm-1	12' 0"	1" x 14" BC RIM BOARD OSB	1	2	MFD
Bk1	2' 0"	14" BCI® 5000s-1.8	1	28	MFD

Connector Summary			
PlotID	Qty	Manuf	Product
H1	1	Simpson	HU4.12/9
H2	19	Simpson	IUS2.06/14
H3	2	Simpson	MIU4.12/11

### Plan Information

Lot Number: 37 Birchwood Grove	
Model: 2539 C	
Builder: KB Home	
Boise BC FRAMER II / SAPPHIRE Structure	
Plan Date: 03/25/2021	
Structural Date: 11/18/2022	
<b>Not To Scale</b>	By: CK
Sheet: 2/4	Current Date: 12/06/2022

\*\*\* ANY Concealed Flange Hangers **MUST** be installed **PRIOR** to Setting the Carried Members!! \*\*\*

**International Residential Code - R502.8.2 Engineered Wood Products** - - - Cuts, notches and holes bored in trusses, laminated veneer lumber, glue-laminated members or I-joists are not permitted unless such penetrations are specifically considered in the design of the member or meet the manufacturers guidelines.

Dimensions to any obstructions are approximate and should be field verified. Any discrepancies will be reported prior to floor installation.

Builder or framer should review this material placement layout prior to beginning construction of floor system. This layout **DOES NOT** supersede the plan set.

Squash blocks shall be installed under all point loads, and are to be greater than or equal to the dimensions of the post transferring the load from above.

All materials, (EWP, hangers etc.) shall be installed per manufacturer specific installation guides.