Backer block required where hanger load exceeds 1000 lbs.

BCI joist hanger.

Backer block.
Nail with 10-10d nails.

Filler block.
Nail with 10-10d nails.

Samples from www.AutoCADDetails.net
Backer for horizontal siding or stucco.
BCI joist hanger.

Backer block.
Nail with 8-10d nails.

Requires backer block where hanger load exceeds 1000 lbs.
Moisture barrier.

Mud Sill

Stem Wall

Beam As Required

Clip angle.
Do not bevel cut VERSA-LAM beyond inside face of wall
2x-beveled plate for slope greater than 1/4 - 1/12. For slope greater than 4/12 additional connectors may be required.

Simpson VPI connector or equal can be used in lieu of beveled plate for slopes from 1/12 to 6/12.
BCI blocking centered at cut.

and web after installation.
Field cut BCI top flange.
Web stiffener required each side for 14" and deeper BCI joist only.

2x4 blocking for soffit support.

Dimensions:
- 2'-6" max.
Note: Check with local building officials for use of this detail in areas of high lateral forces.

3/4" (48/24) sheathing rim joist.
Load bearing wall above (stacked over wall below.)

1/16"
Use same bolt values as Douglas Fir-Larch.

Drilling permitted for standard connections.
Do not bevel cut joist beyond inside face of wall.
Simpson MSTI 36 with 10-10d.

Double beveled wood plate.

VERSALAM LVL support beam.
VERSALAM LVL support beam.

Requires Simpson MSTI 36 strap with 10-10d where slope exceeds 7/12.

Beveled web stiffener each side.

Simpson LSUI hanger or equal.
Load bearing wall above (stacked over wall below.)

BCI joist blocking.
2x plate flush with inside face of wall or beam.

BCI Joist blocking

BCI joist hanger
Closure.

BCI joist blocking.
BCI joist blocking with end blocks. spaced @ 32" o.c.

Nail BCI joist blocking to wall plate using 4-10d nails.

Rim joist.

Simpson strap tie FHA12 or continuous sheathing top and bottom.

3'-0" min.
Closure.

BCI joist blocking.
BCI Joist blocking.

BCI joist hanger.

2x--plate flush with inside face of wall or beam.
BCI joist hanger.
BCI joist hanger.

VERSA-LAM LVL beam.
Hanger.
2x--plate flush with inside face of wall or beam.

BCI joist hanger
Note:

Web stiffeners are required where sides of the hanger do not extend up to support the top flange laterally.
BCI Joist

BCI joist hanger.

2x--plate flush with inside face of wall or beam.
Tie joists together with 3/4" plywood @ floor level change.
2x--plate flush with inside face of wall or beam.

Sheathing will provide lateral support needed without blocking.
Load bearing wall above

BCI rim joist.

Notes: BCI floor joist must be designed to carry wall above when not stacked over wall below.
2x- nailed to the side of the BCI joist with wood backer. Nail through the BCI joist and backer into the 2x- with 2 rows 10d nails at 6" o.c. and clinch.

3 1/2" min. bearing.

Uniform loads only

BCI joist blocking.

Wood backer

1 1/2 times cantilever length

3 times cantilever length

Cantilever length

SECTION

Samples from www.AutoCADDetails.net
Kneewall w/sheathing.

Kneewall must match joist height.
Kneewall w/sheathing.

Kneewall must match joist height.
Load bearing wall above (stacked over wall below.)

BCI joist blocking.
Toe nail to wall plate using 16d at 12" o.c. or 10d @ 6" o.c. (use 5/6 of lateral nail capacity.)

Butt sections end to end. Joints should occur between joists.

Use 5/8" or 3/4" Machine Bolts spaced as required.
10d nails @ 6" o.c.

2x4 one side for 135 plf max.
2x6 one side for 240 plf max.

3/4" or 1" backer block

4'-0" slope
2'-6" horz.

2x post
Web stiffener

2x support @ BCI 45
3x support @ BCI 60

2-10d nails.
BCI joist should be protected from the weather.

BCI joist blocking.

Uniform loads only

3 times Cantilever length

Cantilever length
2x-outrigger notch around flange.

BCI joist

End wall
2x- plate flush with inside face of wall or beam.

BCI joist hanger.
2x--plate flush with inside face of wall or beam

BCI Joist Hanger
3/4"x48" CDX plywood reinforcement or other 3/4" APA 48/24 rated sheathing must match the full depth of the BCI joist. Nail to the BCI joist with 8d nails at 6" o.c. and nail with 4-8d nails into backer block. When reinforcing both sides, stagger nails to avoid splitting. Install with face grain horizontal.
Web stiffener attachment for 18" and 20" depth.

2" min.  
4" max.  

Small gap

1/8" min.  
2" max.  

18" requires 2-8d nails, clinch.

20" requires 3-8d nails, clinch.

Tight fit.

Plywood web stiffener:

5/16"  
1" x 2 minimum.
4000 pounds per foot
Vertical Load Capacity

Rim Board Attachment

Versa-Rim 98
Two layers 3/4" (48/24) (48/24) sheathing rim joist. (Staggered joints).

For first story of second story application.

Where a plywood rim is used, bracing complying with code must be carried to the foundation, or BCI joist solid blocking used a minimum of 4' every 25' of bearing wall length.
Note:
Minimum 2x6 bearing plate required if used with 60 series joist.
For single story application, or second story of two story application.

Where a plywood rim is used, bracing complying with code must be carried to the foundation, or BCI joist solid blocking used a minimum of 4' every 25' of bearing wall length.
Sloped seat cut.
Solid block all posts from above to bearing below.
Solid block all posts from above to bearing below.
Strap per code if top plate is not continuous over header.

Trimmers.
Tie strap
2x--plate flush with inside face of wall or beam.
Wood top plate must be flush with inside of wall.
BCI joist blocking.
BCI joist hanger.

VERSALAM LVL beam.
Nail Versa-Rim 98 to BCI Joists With 2-8d nails, one on top and one at bottom.

4000 pounds per foot
Vertical Load Capacity
2x-outrigger
Notch around flange.

BCI joist

Web stiffeners.
Web stiffener required each side for 14" and deeper BCI joist only.

2'-6" max.
Wood or steel column.
FSA ANCHOR Fasteners
TO Stud/Joist/Plate
8-10d x 1 1/2

TO Foundation
2--RFB#4x6 Anchor Bolt & Epoxy

FOUNDATION TO FLOOR JOIST
(RETROFIT)