SIPS SCREWS WITH MINIMUM 1” PENETRATION
IN WOOD MEMBER IN SIP WALL PANEL
CONNECTED TO @ 24” O.C. MAXIMUM

8d COMMON NAILS
@ 6” O.C. EACH SIDE

CONTINUOUS SEALANT AS RECOMMENDED BY MANUFACTURER

CONTINUOUS SEALANT
EACH SIDE OF FRAMING TYP.
AS RECOMMENDED
BY MANUFACTURER

OUTSIDE SKIN

FOAM CORE

DRYWALL

CONTINUOUS SEALANT
AS RECOMMENDED BY MANUFACTURER

WALL-TO-WALL PANEL CONNECTIONS
CORNER WALL CONNECTION

Fig. 2
8d COMMON NAILS @ 6" O.C. BOTH SIDES
CONCRETE OR MASONRY FOUNDATION WALL
BE SURE OUTSIDE SKIN IS SUPPORTED BY SILL PLATE

DRAINED AND VENTILATED CLADDING

MINIMUM 1/2" (13MM) DIAMETER ANCHOR BOLTS @ 6 FEET O.C. MAXIMUM

16d NAILS INTO SILL PLATE @ 16" O.C.

FIELD INSTALLED PANEL BOTTOM PLATE

TREATED SILL PLATE

TERMITE SHIELD

CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER

FOUNDATION CONNECTION DETAIL A

Fig. 3
MINIMUM 1/2" (13MM) DIAMETER ANCHOR BOLTS @ 6 FEET O.C. MAXIMUM

8d COMMON NAILS @ 6” O.C. EACH SIDE

CAPILLARY BREAK, MIN. 6 MIL POLY OR MIN. 3/4” PRESSURE-TREATED PLYWOOD UNDER SILL PLATE AND BOTH FACES

TERMITE SHIELD

MINIMUM 1/2" (13MM) DIAMETER ANCHOR BOLTS @ 6 FEET O.C. MAXIMUM

CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER

FIELD INSTALLED TREATED BOTTOM PLATE

DRYWALL

DRAINED AND VENTILATED CLADDING

SIP WALL

CONCRETE OR MASONRY FOUNDATION WALL

Fig. 4

Fig. 4

FOUNDATION CONNECTIONS

FOUNDATION CONNECTION DETAIL B
16d NAILS INTO FLOOR JOIST PLATE @ 16" O.C. WHEN USED AS BRACING

(3) 16d @ 16" O.C.

ANCHOR BOLT AS REQUIRED BY CODE

CONTINUOUS SEALANT AT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER

USE NAILS PER MANUFACTURERS RECOMMENDATIONS FOR SIZE AND SPACING

CONCRETE OR MASONRY FOUNDATION WALL

CAPILLARY BREAK, MIN. 6 MIL POLY OR MIN. 3/4" PRESSURE-TREATED PLYWOOD UNDER SILL PLATE AND BOTH FACES

FOUNDATION CONNECTIONS

FOUNDATION CONNECTION DETAIL C

Fig. 5
DRYWALL STRUCTURAL SUPPORT MEMBER WITH MIN. 1-1/2" BEARING FOR EACH SIDE OF PANELS

SEALANT AS RECOMMENDED BY MANUFACTURER INSTALLED WOOD SIPS SCREWS WITH 1" MIN. PENETRATION INTO STRUCTURAL SUPPORT @ 24" O.C. MINIMUM

SIP TAPE AT RIDGE REQUIRED

FINISH ROOFING MATERIAL

ROOFING FELT

8d COMMON NAILS @ 6" O.C. BOTH SIDES

CONTINUOUS SEALANT EACH SIDE OF FRAMING AND BOTH FACES AS RECOMMENDED BY MANUFACTURER

SIPS SCREWS WITH 1" MIN. PENETRATION INTO STRUCTURAL SUPPORT @ 24" O.C. MINIMUM

FOAM RIDGE CAP

SIP PANEL

CONTINUOUS FIELD INSTALLED WOOD RIDGE SUPPORT BEAM SHOWN

DRYWALL

STRUCTURAL SUPPORT MEMBER WITH MIN. 1-1/2" BEARING FOR EACH SIDE OF PANELS

ROOF-TO-ROOF PANEL CONNECTIONS

FOAM RIDGE CAP DETAIL

Fig. 6
SIPS SCREWS W/ MINIMUM 1" PENETRATION INTO STRUCTURAL SUPPORT @ 24" O.C. MINIMUM

RIDGE SUPPORT BEAM

MINIMUM 3/8" GAP FOR SEALANT AS RECOMMENDED BY MANUFACTURER

BLOCKING AS REQUIRED BY STRUCTURAL CONDITIONS

SIPS SCREWS W/ MINIMUM 1" PENETRATION INTO STRUCTURAL SUPPORT @ 24" O.C. MINIMUM

FINISHED ROOFING MATERIAL

ROOFING FELT

SIP TAPE AT RIDGE REQUIRED

Fig. 7

ROOF-TO-ROOF PANEL CONNECTIONS

BEVELED SIP RIDGE DETAIL
ROOF-TO-WALL PANEL CONNECTIONS

BEVELED SIP WALL

Fig. 8
CONTINUOUS SEALANT EACH SIDE OF FRAMING AS RECOMMENDED BY MANUFACTURER

DRYWALL
CONTINUOUS SEALANT EACH SIDE OF FRAMING AS RECOMMENDED BY MANUFACTURER

8d COMMON NAILS @ 6" O.C. BOTH SIDES

ROOFING FELT

SIP ROOF PANEL
CONTINUOUS SEALANT EACH SIDE OF FRAMING, AND ROOF PANEL 2x JOINT

SIP WALL PANEL
DRAINED AND VENTILATED CLADDING

TOP PLATE

WEDGE INFILL PIECE

ROOF-TO-WALL PANEL CONNECTIONS

WEDGE INFILL PIECE

Fig. 10
8d COMMON NAILS 6" O.C. BOTH SIDES
CONTINUOUS SEALANT BOTH SIDES TYPICAL AS RECOMMENDED BY MANUFACTURER
FINISHED ROOFING MATERIAL
ROOFING FELT
CONTINUOUS SEALANT BOTH SIDES TYP. OF FRAMING AS RECOMMENDED BY MANUFACTURER
16d COMMON NAILS @ 16" O.C.
SIP TAPE AT RIDGE REQUIRED

ROOF-TO-ROOF PANEL CONNECTIONS
RIDGE DETAIL AT CANTILEVER (LIMIT 2' OVERHANG)

Fig. 11
Fig. 12

2ND FLOOR CONNECTION DETAILS
HANGING FLOOR
**Second Floor**

- Drywall
- Standard Wire Chase
- 16d Common Nails @ 16" O.C. when used as bracing
- (3) 16d Common Nails @ 16" O.C.
- Insulation
- 3/4" T&G Floor Sheathing (Glued & Nailed) to extend over top of SIP wall
- Continuous Sealant Each Side of Framing Type
- As recommended by Manufacturer
- Cap Plate As Required by Manufacturer
- Drywall
- Continuous Sealant Each Side of Framing Type
- As recommended by Manufacturer

**First Floor**

- Metal Lateral Tie Plate Nailed to Bottom or Shim Plates and Rim Board
- Rim Board
- 8d Common Nails @ 6" O.C. Both Sides

**2nd Floor Connection Details**

- Rim Board

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**Fig. 13**
AS REQUIRED, EXTEND ICE AND WATER SHIELD FROM FASCIA.

CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER

CONTINUOUS SEALANT AS RECOMMENDED BY MANUFACTURER

ROOF TO WALL PANEL CONNECTION DETAIL SHOWN ELSEWHERE

FINISHED ROOFING MATERIAL

SIP ROOF PANEL

ROOFING FELT

FASCIA

SOFFIT BOARD

DRIP EDGE FLASHING

EAVES DETAILING

EAVES DETAIL A

Fig. 14
As required, extend ice and water shield from fascia.
Continuous sealant each side of framing, typ. as recommended by manufacturer.
8d common nails @ 6" o.c. both sides.
Roof-to-wall panel connection detail shown elsewhere.
Sip screw.
2x blocking to support fascia board.
Fascia.
Drip edge flashing.
Sip roof panel.
Roofing felt.
 Finished roofing material.
As required, extend ice and water shield from fascia.
Continuous sealant as recommended by manufacturer.
Eaves detailing.
Eaves detail b.
Fig. 15
EAVES DETAILING

EAVES DETAIL C

Fig. 16
BEVELED TO SUPPORT FASCIA BOARD

CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER

DRIP EDGE FLASHING

AS REQUIRED, EXTEND ICE AND WATER SHIELD FROM FASCIA

ROOFING FELT

SIP ROOF PANEL

FINISHED ROOFING MATERIAL

CONTINUOUS SEALANT AS RECOMMENDED BY MANUFACTURER

8d COMMON NAILS @ 6" O.C. BOTH SIDES

ROOF-TO-WALL PANEL CONNECTION DETAIL SHOWN ELSEWHERE

USE NAILS PER MANUFACTURER'S RECOMMENDATIONS FOR SIZE AND SPACING.

FASCIA

SOFFIT BOARD

BEVELED BLOCKING TO SUPPORT FASCIA BOARD

Fig. 17

EAVES DETAILING

EAVES DETAIL D
USE NAILS PER MANUFACTURER’S RECOMMENDATIONS FOR SIZE AND SPACING.

CONTINUOUS SEALANT AS RECOMMENDED BY MANUFACTURER.

8d COMMON NAILS @ 6" O.C. BOTH SIDES

CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER

ROOF-TO-WALL PANEL CONNECTION DETAIL SHOWN ELSEWHERE

USE NAILS PER MANUFACTURER’S RECOMMENDATIONS FOR SIZE AND SPACING.

EAVES DETAILING

EAVES DETAIL E

Fig. 18
CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER

EXPANSION GAP 1/8"

CHASE FOR EXPANDED FOAM SEALANT

8d COMMON NAILS @ 6" O.C. EACH STRIP AND EACH SIDE

SEALANT AS RECOMMENDED BY MANUFACTURER

WALL-TO-WALL VERTICAL PANEL CONNECTIONS
SURFACE SPLINE FOR VERTICAL SPLICE

Fig. 19
2x FRAMING AROUND WINDOWS AND DOOR OPENINGS

DOOR AND WINDOW FRAMING

Fig. 21
EXPANSION GAP 1/8"

8d COMMON NAILS @ 6" O.C. MINIMUM
AND EACH SIDE

(2) ROWS 16d COMMON NAILS @ 16" O.C. MINIMUM

SIP PANEL

EXPANSION GAP 1/8"

CONTINUOUS SEALANT EACH SIDE OF FRAMING TYP. AS RECOMMENDED BY MANUFACTURER

WALL-TO-WALL VERTICAL PANEL CONNECTIONS

DIMENSIONAL LUMBER SPLINE

Fig. 20
Fig. 22

ROOF-TO-ROOF PANEL CONNECTIONS

VALLEY DETAIL

CONTINUOUS SEALANT
EACH SIDE OF FRAMING
TYP. AS RECOMMENDED
BY MANUFACTURER

DOUBLE 2x SPLINE
BEVEL CUT

VALLEY
FLASHING

SIP ROOF PANEL

16d COMMON
NAILS @ 16"
O.C. MINIMUM

8d COMMON NAILS @
6" O.C. EACH PANEL
AND EACH SIDE

CONTINUOUS SEALANT
EACH SIDE OF FRAMING
TYP. AS
RECOMMENDED BY
MANUFACTURER AT
SUPPORT MEMBERS

SIPS SCREW
W/ MINIMUM 1"
PENETRATION
INTO STRUCTURAL
SUPPORT

SIP TAPE

DRYWALL

STRUCTURAL SUPPORT
WALL-TO-WALL VERTICAL PANEL CONNECTIONS

Fig. 23