Construction Assembly Details

- Wall to Foundation
- Wall to Upper Floor
- Wall Corner
- Wall to Roof
- Roof Ridge
- Roof Valley
- Panel to Beam
- Connection Details
- Opening Details

NOTE: Insulspan continuously updates its materials. For the most current versions, please visit the Product Specs section on www.Insulspan.com

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<th>Category</th>
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1. THE DETAIL IS TO BE USED WITH INSULSPAN CONSTRUCTION DRAWINGS AND INSTALLATION GUIDE. REFER TO INSULSPAN CONSTRUCTION DRAWINGS FOR FINAL NAIL AND SCREW SCHEDULES.
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2x LET-IN BOTTOM PLATE ATTACHED W/ MINIMUM 8d (2.5"x0.113") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C. OR EQUIVALENT

16d NAILS (3.5"x0.135") AS REQUIRED PER LOCAL CODE

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

FLOOR JOIST

RIM BOARD

2x TREATED SILL PLATE ON SILL GASKET

ANCHOR BOLT

NOTES:

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1. The detail is to be used with INSULSPAN construction drawings and installation guide. Refer to INSULSPAN construction drawings for final nail and screw schedules.

2. All building components used in conjunction with this detail shall be in compliance with local code requirements.
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Notes:

1-1/2" Dia. Horizontal Wire Chase Centered
Gypsum Board or Other Approved Thermal Barrier

2x Let-In Bottom Plate Attached W/ Minimum 8d (2.5"x0.113") Full Round Head Smooth Shank Nails Both Sides @ 6" O.C. or Equivalent

16d Nails (3.5"x0.135") as Required Per Local Code

Insulspan Approved Sealant at Locations Shown

Floor Joist
Rim Board

2x Treated Sill Plate on Sill Gasket

Anchor Bolt

Advantage Insulating Concrete Forming (ICF) System W/ Reinf. Concrete Core
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1-1/2" DIA. HORIZONTAL WIRE CHASE CENTERED

GYPSUM BOARD OR OTHER APPROVED THERMAL BARRIER

FLOOR JOISTS (PARALLEL TO WALL)

2x LET-IN TOP PLATE ATTACHED W/ MINIMUM 8d (2.5"x0.113") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C. OR EQUIVALENT

2x LET-IN BOTTOM PLATE ATTACHED W/ MINIMUM 8d (2.5"x0.113") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C. OR EQUIVALENT

16d NAILS (3.5"x0.135") AS REQUIRED PER LOCAL CODE

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

FLOOR JOIST

RIM BOARD

10d NAILS (3"x0.131") AS REQUIRED PER LOCAL CODE

2x CAP PLATE RIPED TO WIDTH OF PANEL

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

NOTES:

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2. ALL BUILDING COMPONENTS USED IN CONJUNCTION WITH THIS DETAIL SHALL BE IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.

SIP WALL/FLOOR/JOIST PARALLEL

SCALE:N.T.S.

LAST UPDATE: OCT 24, 2013

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NOTES:

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(2) 2x BEVELED LUMBER ATTACHED W/ MINIMUM 8d (2.5"x0.113") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C.

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

10d NAILS (3"x0.131") @ 8" O.C. EACH ROW, TWO ROWS STAGGERED OR PER LOCAL CODE

GYPSUM BOARD OR OTHER APPROVED THERMAL BARRIER

NOTES:

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INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

2x BEVELED LUMBER ATTACHED W/ MINIMUM 8d (2.5"x0.113") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C.

INSULSPAN PANEL SCREWS W/ 2" WASHER @ 12" O.C. TYPICAL

GYPSUM BOARD OR OTHER APPROVED THERMAL BARRIER

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WALL CABINET INSTALLED WITH #8 x 2" DECK SCREWS TOP & BOTTOM RAILS (1x2) SPACE AS REQUIRED
ALLOWABLE WITHDRAWAL LOAD PER SCREW = 35 LBS
ALLOWABLE SHEAR LOAD PER SCREW = 35 LBS
NOTES:

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2. ALL BUILDING COMPONENTS USED IN CONJUNCTION WITH THIS DETAIL SHALL BE IN COMPLIANCE
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INSULSPAN APPROVED PANEL SEAL TAPE

2x BEVELED LET-IN TOP PLATE ATTACHED W/ MINIMUM 8d (2.5"x0.113") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C. OR EQUIVALENT

OSB SHIM

WALL PANEL

GYPSON BOARD OR OTHER APPROVED THERMAL BARRIER

NOTES:

1. THE DETAIL IS TO BE USED WITH INSULSPAN CONSTRUCTION DRAWINGS AND INSTALLATION GUIDE. REFER TO INSULSPAN CONSTRUCTION DRAWINGS FOR FINAL NAIL AND SCREW SCHEDULES.
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INSULSPAN PANEL SCREWS W/ 2" WASHER @ 12" O.C. TYPICAL

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

2x OR ENGINEERED LUMBER LET-IN PLATE ATTACHED W/ MINIMUM 8d (2.5"x0.113") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C. OR EQUIVALENT

NOTES:

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1. The detail is to be used with Insulspan construction drawings and installation guide. Refer to Insulspan construction drawings for final nail and screw schedules.

2. All building components used in conjunction with this detail shall be in compliance with local code requirements.
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2. ALL BUILDING COMPONENTS USED IN CONJUNCTION WITH THIS DETAIL SHALL BE IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.
INSULSPAN PANEL SCREWS W/ 2" WASHER @ 12" O.C. TYPICAL

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

ROOF PANEL

INSULSPAN APPROVED PANEL SEAL TAPE

2x LET-IN TOP PLATE ATTACHED W/ MINIMUM 8d (2.5"x0.113") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C. OR EQUIVALENT

2x LET-IN PLATE ATTACHED W/ MINIMUM 8d (2.5"x0.113") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C. OR EQUIVALENT

WALL PANEL

GYPSUM BOARD OR OTHER APPROVED THERMAL BARRIER

Panel THK.

Panel THK.

NOTES:

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2. ALL BUILDING COMPONENTS USED IN CONJUNCTION WITH THIS DETAIL SHALL BE IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.
INSULSPAN PANEL SCREWS W/ 2" WASHERS @ 12" O.C. TYPICAL

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

ROOF PANEL

INSULSPAN APPROVED PANEL SEAL TAPE

OSB SHIM

2x LET-IN TOP PLATE ATTACHED W/ MINIMUM 8d (2.5"x.013") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C. OR EQUIVALENT

WALL PANEL

GYPSUM BOARD OR OTHER APPROVED THERMAL BARRIER

NOTES:

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2. ALL BUILDING COMPONENTS USED IN CONJUNCTION WITH THIS DETAIL SHALL BE IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.
2x OR ENGINEERED LUMBER RIDGE PLATE ATTACHED W/ MINIMUM 8d (2.5"x0.113") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C. OR EQUIVALENT

INSULSPAN PANEL SCREWS W/ 2" WASHER @ 12" O.C. TYPICAL

NOTES:

1. THE DETAIL IS TO BE USED WITH INSULSPAN CONSTRUCTION DRAWINGS AND INSTALLATION GUIDE. REFER TO INSULSPAN CONSTRUCTION DRAWINGS FOR FINAL NAIL AND SCREW SCHEDULES.
2. ALL BUILDING COMPONENTS USED IN CONJUNCTION WITH THIS DETAIL SHALL BE IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.
2x OR ENGINEERED LUMBER RIDGE PLATE ATTACHED WITH MINIMUM 8d (2.5" x 0.113") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C. OR EQUIVALENT

PANEL EDGE SEALANT

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

INSULSPAN PANEL SCREWS W/ 2" WASHER @ 12" O.C. TYPICAL

PANEL THK.

RAFTER

PANEL THK.

RIDGE BEAM

NOTES:

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2x LET-IN PLATE ATTACHED W/ MINIMUM 8d (2.5" x 0.113") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C. OR EQUIVALENT

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

INSULSPAN PANEL SCREWS W/ 2" WASHER @ 12" O.C. TYPICAL

PANEL EDGE SEALANT

OSB SHIM (OPTIONAL)

INSULSPAN APPROVED PANEL SEAL TAPE

GYPSUM BOARD OR OTHER APPROVED THERMAL BARRIER

MIN. 2" BEARING

RIDGE BEAM

NOTES:

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2. ALL BUILDING COMPONENTS USED IN CONJUNCTION WITH THIS DETAIL SHALL BE IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.
NOTE: NAILS DRIVEN AT 10'-30' ANGLE

1/2"

10'-30'

PANEL THK.

PANEL EDGE SEALANT AT ROOF PANELS ONLY

SINGLE 2x OR ENGINEERED LUMBER SPLINE ATTACHED W/ MINIMUM 8d (2.5" x 0.113") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C. OR EQUIVALENT

PANEL THK.

CYPRESS BOARD OR OTHER APPROVED THERMAL BARRIER

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

INSULSPAN APPROVED PANEL SEAL TAPE AT ROOF PANELS ONLY

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2. ALL BUILDING COMPONENTS USED IN CONJUNCTION WITH THIS DETAIL SHALL BE IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.
PANEL EDGE SEALANT AT ROOF PANELS ONLY

INSULSPAN ATTACHED W/ MINIMUM 8d (2.5" x 0.113") FULL ROUND HEAD SMOOTH SHANK NAILS BOTH SIDES @ 6" O.C. OR EQUIVALENT

GYPSUM BOARD OR OTHER APPROVED THERMAL BARRIER

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

INSULSPAN APPROVED PANEL SEAL TAPE AT ROOF PANELS ONLY

NOTES:

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2. ALL BUILDING COMPONENTS USED IN CONJUNCTION WITH THIS DETAIL SHALL BE IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.
Panel Edge Sealant at Roof Panels Only

Double 2x or Engineered Lumber Spline Attached w/ Minimum 8d (2.5"x0.113") Full Round Head Smooth Shank Nails Both Sides @ 6" O.C. or Equivalent

Gypsum Board or Other Approved Thermal Barrier

10d Nails (3"x0.131") @ 8" O.C. Each Row, Two Rows Staggered or Per Local Code

Insulspan Approved Sealant at Locations Shown

Insulspan Approved Panel Seal Tape at Roof Panels Only

Notes:

1. The detail is to be used with Insulspan Construction Drawings and Installation Guide. Refer to Insulspan Construction Drawings for final nail and screw schedules.

2. All building components used in conjunction with this detail shall be in compliance with Local Code requirements.
NOTES:

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10d NAILS (3\"x0.131\") MIN @ 8" O.C.
EACH ROW, TWO ROWS STAGGERED OR
PER LOCAL CODE

2x CAP PLATE RIPPED TO
WIDTH OF PANEL (OPTIONAL)

1\½" DIA. HORIZONTAL WIRE
CHASE CENTERED

2x LET-IN BOTTOM PLATE ATTACHED
W/ MINIMUM 8d (2.5\"x0.113\") FULL
ROUND HEAD SMOOTH SHANK NAILS
BOTH SIDES @ 6" O.C. OR EQUIVALENT

PRE-DRILL TOP AND
BOTTOM PLATES FOR
VERTICAL WIRE CHASES

NOTES:

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2x LET-IN TOP PLATE ATTACHED W/ MINIMUM 8d NAILS (2.5"x0.113") @ 6" O.C.

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

10d NAILS (3"x0.131") @ 8" O.C. EACH ROW, TWO ROWS STAGGERED

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

2x BLOCKING ATTACHED W/ MINIMUM 8d NAILS (2.5"x0.113") @ 6" O.C.

2x CRIPPLE ATTACHED W/ MINIMUM 8d NAILS (2.5"x0.113") @ 6" O.C.

KING STUD

CRIPPLE

SILL PANEL

SIP HEADER ALLOWABLE LOAD (plf)

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2x LET-IN TOP PLATE
ATTACHED W/ MINIMUM 8d NAILS (2.5"x0.113") @ 6" O.C.

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

2x BLOCKING ATTACHED W/ MINIMUM 8d NAILS (2.5"x0.113") @ 6" O.C.

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

A - A

B - B

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2X BLOCKING ATTACHED W/ MINIMUM 8d NAILS (2.5"x0.113") @ 6" O.C.

CONTINUOUS SPLINE LUMBER

CONTINUOUS SPLINE LUMBER ATTACHED W/ MINIMUM 8d NAILS (2.5"x0.113") @ 6" O.C.

INSULSPAN APPROVED SEALANT AT LOCATIONS SHOWN

SPLINE LUMBER FOR FILLER PANEL

(2) 16d NAILS (3.5"x0.135") INTO SPLINE LUMBER FOR FILLER PANEL

10d NAILS (3"x0.131") @ 8" O.C. EACH ROW, TWO ROWS STAGGERED

CONTINUOUS SPLINE LUMBER

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