**GENERAL NOTES:**

1. THESE GENERIC DETAILS ARE TO CONFORM TO ‘A Building Standards Opinion Regarding the Use of Spray-Applied Polyurethane Foam Insulation’ FROM THE PROVINCE OF SASKATCHEWAN, DATED MAY 2008.

2. ALL MATERIALS AND DIMENSIONS ARE GENERIC UNLESS STATED IN THE DETAILS TO MEET THE FUNCTIONAL REQUIREMENTS IN THE FOLLOWING TABLE.


4. APPLYING WALLTITE ECO TO THE UNDERSIDE OF ROOF SHEATHING (UNVENTED) IS ONLY APPLICABLE TO PITCHED ROOFS WITH SHINGLES THAT WILL ALLOW DRYING TO THE EXTERIOR.

5. CHECK WARRANTY FROM SHINGLE MANUFACTURER TO ENSURE THAT THE WARRANTY WILL COVER THE SHINGLES WHEN APPLIED OVER UNVENTED ROOF ASSEMBLIES.

<table>
<thead>
<tr>
<th>Envelope Element</th>
<th>Thermal Resistance (9.25.2)</th>
<th>Air Leakage Control (9.25.3)</th>
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<th>Thermal Barrier (9.10.17.10)</th>
<th>Protection of wood from capillary transport of below grade water (9.13.2.6)</th>
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<tbody>
<tr>
<td>Basement Wall</td>
<td>WALLTITE ECO</td>
<td>Concrete/WALLTITE ECO</td>
<td>WALLTITE ECO</td>
<td>Gypsum wallboard</td>
<td>WALLTITE ECO</td>
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<tr>
<td>First Floor Platform Space</td>
<td>WALLTITE ECO</td>
<td>WALLTITE ECO To plate below and floor above</td>
<td>WALLTITE ECO</td>
<td>Spray applied cementious fireproofing</td>
<td>N/A</td>
</tr>
<tr>
<td>Above grade walls</td>
<td>WALLTITE ECO</td>
<td>WALLTITE ECO to wood framing, Caulk all wood to wood joints</td>
<td>WALLTITE ECO</td>
<td>Gypsum wallboard</td>
<td>N/A</td>
</tr>
<tr>
<td>Second floor Platform space</td>
<td>WALLTITE ECO</td>
<td>WALLTITE ECO to plate below and floor above.</td>
<td>WALLTITE ECO</td>
<td>Gypsum wallboard ceiling</td>
<td>N/A</td>
</tr>
<tr>
<td>Unvented roof assembly *</td>
<td>WALLTITE ECO</td>
<td>WALLTITE ECO to top plate of wall below.</td>
<td>WALLTITE ECO</td>
<td>Gypsum wallboard ceiling</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*The application of spray applied urethane foam insulation (SPUF) to the underside of roof sheathings does not comply with the requirements for venting of roof space as stated in Article 9.19.1.1. of the NBC (2015). However, the practice of insulating the underside of roof sheathing without venting is widely and successfully practiced across Canada. It is successful because SPUF can provide very good resistance to moisture transport to the cold sheathing by convection or vapour diffusion. With this, the venting requirement of Article 9.19.1.1 is "shown to be unnecessary".*
GENERIC BASF WALL DETAILS

GENERIC BASEMENT & FOUNDATION PLAN

BASF Canada
www.walttieco.com
1-866-474-3538
REFER TO NOTE 4 & 5 ON SHEET G0.01

ROOF TRUSS, CONDITIONED SPACE

INTERIOR

UNHEATED GARAGE

INTERIOR

BASEMENT

A3.02

3/8" = 1'-0"

AUG '11

PJR/MDL

BKT

MDL
2" SPRAY FOAM INSULATION (WALLTITE ECO)

SPRAY FOAM INSULATION NOT SHOWN FOR CLARITY

SPRAY FIREPROOFING

3" SPRAY FOAM INSULATION (WALLTITE ECO)
SEAL ALL AROUND FROM FOAM TO WINDOW AIR SEAL

3" SPRAY FOAM INSULATION (WALLTITE ECO)

APPLY SEALANT AT ALL JOINTS IN WOOD, OR PERIMETER OF COLUMN TO GWB

SEAL BOTTOM PLATE TO FLOOR SHEATHING WITH EITHER SEALANT OR GASKET.

GENERIC BASF WALL DETAILS

ISOMETRIC OF TYPICAL WALL ASSEMBLY AT CORNER C/W WINDOW OPENING
3" Spray foam insulation (WALLTITE ECO) applied from the interior

Apply sealant at all joints in wood, or perimeter of column to GWB

Seal butt joint in base plate

Bottom plate on floor sheathing

Seal bottom plate or provide gasket

Exterior sheathing
SEAL DOUBLE TOP PLATE WITH EITHER SEALANT OR GASKET

SPRAY FOAM INSULATION NOT SHOWN FOR CLARITY

3" SPRAY FOAM INSULATION (WALLTITE ECO)

APPLY SEALANT AT ALL JOINTS IN WOOD, OR PERIMETER OF COLUMN TO GWB

13" SPRAY FOAM INSULATION (WALLTITE ECO)
3" SPRAY FOAM INSULATION (WALLTITE ECO)

APPLY SEALANT AT ALL JOINTS IN WOOD, OR PERIMETER OF COLUMN TO GWB, TYP.

PAINTED FINISH GWB
3" SPRAY FOAM INSULATION (WALLTITE ECO)
WOOD STUDS @ 16" O.C.
SHEATHING
SHEATHING MEMBRANE
CLADDING

TYPICAL OUTSIDE CORNER AND BUILT-UP COLUMN

SCALE: 3"=1'-0"
TYPICAL INSIDE CORNER & WINDOW JAMB

3" SPRAY FOAM INSULATION (WALLTITE ECO)

WRAP BUILDING PAPER OR WINDOW MEMBRANE INTO R.O.

PAINTED FINISH GWB

3" SPRAY FOAM INSULATION (WALLTITE ECO)

WOOD STUDS @ 16" O.C.
SHEATHING
SHEATHING MEMBRANE
CLADDING

APPLY SEALANT AT ALL JOINTS IN WOOD TO GWB, TYP.

WINDOW PERIMETER AIR SEAL
FOUNDATION BASE OF WALL DETAIL

- 2" SPRAY FOAM INSULATION (WALLTITE ECO)
- PAINTED FINISH ON GWB
- GASKET BETWEEN BASE PLATE AND CONCRETE
- BITUMINOUS DAMPROOFING
- CONCRETE FND. WALL
- FOOTING BELOW FROST LINE

SCALE: 3"=1'-0"
FLOOR TRUSSES PERPENDICULAR TO FOUNDATION WALL

- 3" SPRAY FOAM INSULATION (WALLTITE ECO)
- SHEATHING
- SHEATHING MEMBRANE CLADDING
- PAINTED FINISH GWB
- SEAL BOTTOM PLATE TO FLOOR SHEATHING WITH EITHER SEALANT OR GASKET
- OPEN WEB WOOD JOIST
- SPRAY FIREPROOFING OR ½" GWB
- PRESSURE TREATED WOOD
- STUCCO PARGING ON CONCRETE FND. WALL
- T.O. FOUNDATION WALL

PERPENDICULAR TRUSS AT TOP OF FOUNDATION WALL

SCALE: 3"=1'-0"
3" SPRAY FOAM INSULATION (WALLTITE ECO)

SEAL BOTTOM PLATE TO FLOOR SHEATHING WITH EITHER SEALANT OR GASKET

OPEN WEB WOOD JOIST

3" SPRAY FOAM INSULATION (WALLTITE ECO)

PAINTED FINISH GWB
3" SPRAY FOAM INSULATION (WALLTITE ECO)
WOOD STUDS @ 16" O.C.
SHEATHING
SHEATHING MEMBRANE CLADDING

SEAL DOUBLE TOP PLATE WITH EITHER SEALANT OR GASKET

PERPENDICULAR FLOOR TRUSSES
SECOND FLOOR

SCALE: 3"=1'-0"
GENERIC BASF WALL DETAILS

REFER TO NOTE 4 & 5 ON SHEET G0.01

4" SPRAY FOAM INSULATION (WALLTITE ECO)

OSB BACKING BETWEEN TRUSSES

PAINTED FINISH
GWB
3" SPRAY FOAM INSULATION (WALLTITE ECO)
WOOD STUDS @ 16" O.C.
SHEATHING
SHEATHING MEMBRANE
CLADDING

SEAL DOUBLE TOP PLATE WITH EITHER SEALANT OR GASKET

TOP OF WALL AT ROOF TRUSS

SCALE: 3"=1'-0"

TOP OF WALL AT ROOF TRUSSES
GENERIC BASF WALL DETAILS

REFER TO NOTE 4 & 5 ON SHEET G0.01

4" SPRAY FOAM INSULATION (WALLTITE ECO)

OSB BACKING BETWEEN TRUSSES

2x10 PARALLEL CORD, OR SCISSOR TRUSS

SEAL DOUBLE TOP PLATE WITH EITHER SEALANT OR GASKET

PAINTED FINISH GWB
3" SPRAY FOAM INSULATION (WALLTITE ECO)
WOOD STUDS @ 16" O.C.
SHEATHING SHEATHING MEMBRANE CLADDING

TOP OF WALL AT VAULTED CEILING

SCALE: 3"=1'-0"

ALTERNATE DETAIL - TOP OF WALL AT VAULTED CEILING
ALTERNATE DETAIL - TOP OF WALL AT ROOF TRUSS W/O SPRAY FOAM

1
SCALE: 3"=1'-0"

TOP OF WALL AT ROOF TRUSSES

PAINTED FINISH

½" GWB

POLY VAPOUR BARRIER

PAINTED FINISH

GWB

3" SPRAY FOAM INSULATION
(WALLTITE ECO)

WOOD STUDS @ 16" O.C.

SHEATHING

SHEATHING MEMBRANE

CLADDING

SEAL TERMINATION OF VAPOUR/AIR BARRIER, TYP.

OSB BACKING BETWEEN TRUSSES
GENERIC BASF WALL DETAILS

PAINTED FINISH GWB
3" SPRAY FOAM INSULATION (WALLTITE ECO)
WOOD STUDS @ 16" O.C.
SHEATHING SHEATHING MEMBRANE CLADDING

SEAL BOTTOM PLATE TO FLOOR SHEATHING WITH EITHER SEALANT OR GASKET

OPEN WEB WOOD JOIST

3" SPRAY FOAM INSULATION (WALLTITE ECO)

SPRAY FIREPROOFING OR 1/2" GWB

2" SPRAY FOAM INSULATION (WALLTITE ECO)

STUCCO PARGING ON CONCRETE FND. WALL

T.O. FOUNDATION WALL FLOOR TRUSSES PARALLEL

SCALE: 3"=1'-0"
GENERIC BASF WALL DETAILS

3" SPRAY FOAM INSULATION (WALLTITE ECO)

SEAL BOTTOM PLATE TO FLOOR SHEATHING WITH EITHER SEALANT OR GASKET

OPEN WEB WOOD JOIST

3" SPRAY FOAM INSULATION (WALLTITE ECO)

PAINTED FINISH GWB
3" SPRAY FOAM INSULATION (WALLTITE ECO)
WOOD STUDS @ 16" O.C.
SHEATHING SHEATHING MEMBRANE CLADDING

SEAL DOUBLE TOP PLATE WITH EITHER SEALANT OR GASKET

PARALLEL FLOOR TRUSSES
SCALE: 3"=1'-0"

PARALLEL FLOOR TRUSS
SECOND FLOOR
**TYPICAL WINDOW HEAD**

- Painted finish GWB
- 3" spray foam insulation (WALLTITE ECO)
- Wood studs @ 16" O.C.
- Sheathing
- Sheathing membrane
- Cladding

**TYPICAL WINDOW SILL**

- Painted finish GWB
- 3" spray foam insulation (WALLTITE ECO)
- Wood studs @ 16" O.C.
- Sheathing
- Sheathing membrane
- Cladding

Apply sealant at all joints in wood, or perimeter of column to GWB.

Seal all around from foam to window air seal.
**GENERIC BASF WALL DETAILS**

3" SPRAY FOAM INSULATION (WALLTITE ECO)

2" SPRAY FOAM INSULATION (WALLTITE ECO)

STucco pargiNG ON CONCRETE FND. WALL

**BASEMENT WINDOW HEAD**

PAINTED FINISH ON GWB

WINDOW PERIMETER AIR SEAL

**BASEMENT WINDOW SILL**

BITUMINOUS DAMPROOFING

CONCRETE FND. WALL

1. SCALE: 3"=1'-0"

2. SCALE: 3"=1'-0"
GENERAL BASF WALL DETAILS

INTERIOR

VAPOUR BARRIER UNDER FINISHED FLOOR

6"-8" LOW DENSITY SPRAY FOAM INSULATION (ENERTITE)

GWB, PLYWOOD OR OSB TO PROVIDE BACKING FOR SPRAY FOAM

OPEN WEB WOOD JOIST

3" SPRAY FOAM INSULATION (WALLTITE ECO)

PAINTED FINISH GWB

3" SPRAY FOAM INSULATION (WALLTITE ECO)

WOOD STUDS @ 16" O.C.

SHEATHING

SHEATHING MEMBRANE

CLADDING

SEAL DOUBLE TOP PLATE WITH EITHER SEALANT OR GASKET

INTERIOR

GARAGE WALL TO FLOOR

BASF Canada  
www.walltiteco.com  
1-866-474-3538
REFERENCES TO NOTE 4 & 5 ON SHEET G0.01

4" SPRAY FOAM INSULATION (WALLTITE ECO)

PROVIDE BACKING WITH EITHER OSB OR RIGID INSULATION

PAINTED FINISH GWB
3" SPRAY FOAM INSULATION (WALLTITE ECO)
WOOD STUDS @ 16" O.C.
SHEATHING
SHEATHING MEMBRANE CLADDING

SEAL DOUBLE TOP PLATE WITH EITHER SEALANT OR GASKET

1 TOP OF WALL AT ROOF TRUSS
SCALE: 3"=1'-0"

TOP OF WALL AT INTERMITTED ROOF TRUSS

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1-866-474-3538