**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.

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**Materials Providing Functional Requirement**

<table>
<thead>
<tr>
<th>Envelope Element</th>
<th>Thermal Resistance (9.25.2)</th>
<th>Air Leakage Control (9.25.3)</th>
<th>Vapour Diffusion Control (9.25.4)</th>
<th>Thermal Barrier (9.10.17.10)</th>
<th>Protection of wood from capillary transport of below grade water (9.13.2.6)</th>
</tr>
</thead>
<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>
</tr>
<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 (2005). 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

Refer to Note 4 & 5 on Sheet G0.01

Roof Truss, Conditioned Space

Interiors

Unheated Garage

Basement

Partial Building Section
ISOMETRIC OF BELOW GRADE WALL ASSEMBLY C/W WINDOW OPENING

2" SPRAY FOAM INSULATION (WALLTITE ECO)

SPRAY FOAM INSULATION NOT SHOWN FOR CLARITY

SPRAY FIREPROOFING

3" SPRAY FOAM INSULATION (WALLTITE ECO)
SEAL BOTTOM PLATE TO FLOOR SHEATHING WITH EITHER SEALANT OR GASKET

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

SEAL ALL AROUND FROM FOAM TO WINDOW AIR SEAL

3" SPRAY FOAM INSULATION (WALLTITE ECO)
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

EXTERIOR SHEATHING

BOTTOM PLATE ON FLOOR SHEATHING

SEAL BOTTOM PLATE OR PROVIDE GASKET
ISOMETRIC OF SEALANT AT DOUBLE TOP PLATE

- 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.

WALLTITE ECO
www.walltiteco.com
1-866-474-3538
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

SCALE: 3"=1'-0"

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

FOUNDATION WALL AT FOOTING
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
\(\frac{1}{2}\)" GWB

PRESSURE TREATED WOOD

STUCCO PARGING ON CONCRETE FND. WALL

T.O. FOUNDATION WALL FLOOR TRUSSES PERPENDICULAR

SCALE: 3"=1'-0"

PERPENDICULAR TRUSS AT TOP OF FOUNDATION WALL
3" SPRAY FOAM INSULATION (WALLTITE ECO)

SEAL BOTTOM PLATE TO FLOOR SHEATHING WITH EITHER SEALANT OR GASKET

OPEN WEB WOOD JOIST

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

SCALE: 3"=1'-0"

SECOND FLOOR

A5.05  3"=1'-0"  5075007.00  AUG '11  PJR/MDL  BKT  MDL
TOP OF WALL AT ROOF TRUSS

SCALE: 3"=1'-0"

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

OSB BACKING BETWEEN TRUSSES

4" SPRAY FOAM INSULATION
(WALLTITE ECO)

REFER TO NOTE 4 & 5 ON SHEET G0.01

TOP OF WALL AT ROOF TRUSSES

GENERIC BASF WALL DETAILS

BASF Canada
www.walltiteeco.com
1-866-474-3538

Drawing No.: A5.06  Scale: 3"=1'-0"  Project No.: 5075007.00  Date: AUG '11  Design: PJR/MDL  Drawn: BKT  Reviewed: MDL
GENERAL 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 ROOF TRUSS W/O SPRAY FOAM
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

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

TYPICAL WINDOW SILL
SCALE: 3"=1'-0"

TYPICAL WINDOW HEAD
SCALE: 3"=1'-0"

WINDOW PERIMETER AIR SEAL

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

SEAL ALL AROUND FROM FOAM TO WINDOW AIR SEAL

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

TYPICAL WINDOW SILL
SCALE: 3"=1'-0"

SILL ISOMETRIC
SCALE: N.T.S.
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

A5.11

3"=1'-0"

5075007.00

AUG '11

PJR/MDL

BKT

MDL
3" SPRAY FOAM INSULATION (WALLTITE ECO)

SEAL BOTTOM PLATE TO FLOOR SHEATHING WITH EITHER SEALANT OR GASKET

VAPOUR BARRIER UNDER FINISHED FLOOR

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

OPEN WEB WOOD JOIST

GARAGE CEILING TO ROOF TRUSS / WALL
GENERIC BASF WALL DETAILS

REFER 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

COVERED DECK

TOP OF WALL AT ROOF TRUSSES

SCALE: 3"=1'-0"

TOP OF WALL AT INTERMITTED ROOF TRUSS