WALLTITE® AIR BARRIER SYSTEM, CONCRETE BLOCK ASSEMBLY
RIGID INSULATION BELOW SLAB

SEAL SLAB VAPOUR / MOISTURE / AIR / GAS MEMBRANE TO CONCRETE

CONCRETE FOUNDATION WALL

SLOPE

PROTECTION / FINISH

WALLTITE®

WALLTITE® SPRAY POLYURETHANE FOAM INSULATION

CONCRETE MASONRY UNIT

BASF APPROVED TRANSITION MEMBRANE (FULLY ADHERED)

MORTAR NET AT BASE OF WALL, TYP.

CAULKING

CAULKING

CAPILLARY BREAK (AS REQUIRED)

WEEP HOLE

MASONRY VENEER WALL

AIR SPACE (MAX 25 MM)

WALLTITE® (MINIMUM 1" THICK)

CONCRETE FOUNDATION WALL

CONCRETE MASONRY UNIT

MASONRY VENEER WALL

AIR SPACE (MAX 25 MM)

WALLTITE® SPRAY POLYURETHANE FOAM INSULATION

CONCRETE MASONRY UNIT

BASF APPROVED TRANSITION MEMBRANE (FULLY ADHERED)

MORTAR NET AT BASE OF WALL, TYP.

CAULKING

CAULKING

CAPILLARY BREAK (AS REQUIRED)

SLOPE

PROTECTION / FINISH

WALLTITE®

RIGID INSULATION BELOW SLAB

SEAL SLAB VAPOUR / MOISTURE / AIR / GAS MEMBRANE TO CONCRETE
- Masonry Veneer Wall
- Air Space (Max 25 mm)
- Walltite® Spray Polyurethane Foam Insulation
- Concrete Masonry Unit

BASF Approved Transition Membrane (Fully Adhered)

Caulking

Through Wall Flashing

BASF Approved Transition Membrane (Fully Adhered)

Foam Stop Mechanically Fastened

Weep Hole

Metal Shelf Angle

MasterSeal® NP1™

Backer Rod

Low Expansion Foam Sealant All Around the Opening

Window with Deflection Head

Window Installed as per CSA A440
MASONRY VENEER WALL
- AIR SPACE (MAX 25 MM)
WALLTITE® SPRAY POLYURETHANE FOAM INSULATION
- CONCRETE MASONRY UNIT

METAL FLASHING

MASTERSEAL® NP1 (FULLY ADHERED) (PROVIDE WEEPHOLE)
BACKER ROD

LOW EXPANSION FOAM SEALANT ALL AROUND THE OPENING

BASF APPROVED TRANSITION MEMBRANE (FULLY ADHERED)

2" x 8" MASTERSEAL® NP1™
BACKER ROD
TREATED WOODEN SPACER

CAULKING

WALLTITE® (MINIMUM 1" THICK)

- MASONRY VENEER WALL
- AIR SPACE (MAX 25 MM)
- WALLTITE® SPRAY POLYURETHANE FOAM INSULATION
- CONCRETE MASONRY UNIT

WINDOW INSTALLED AS PER CSA A440

WINDOW SILL DETAIL
WOOD FOAM STOP

WALLTITE® AIR BARRIER SYSTEM, CONCRETE BLOCK ASSEMBLY
LOW EXPANSION FOAM SEALANT
ALL AROUND THE OPENING

BASF APPROVED TRANSITION MEMBRANE
(FULLY ADHERED)

MASTERSEAL® NP1™
BACKER ROD
TREATED WOODEN SPACER

METAL FLASHING

MASTERSEAL® NP1™
(PROVIDE WEEPHOLE)

CAULKING

WALLTITE®
(MINIMUM 1" THICK)

- MASONRY VENEER WALL
- AIR SPACE (MAX 25MM)
- WALLTITE® SPRAY POLYURETHANE
- FOAM INSULATION
- CONCRETE MASONRY UNIT

WINDOW INSTALLED AS PER CSA A440
- MASONRY VENEER WALL
- AIR SPACE (MAX 25 MM)
- WALLTITE® SPRAY POLYURETHANE FOAM INSULATION
- CONCRETE MASONRY UNIT

HSS POST

BASF APPROVED TRANSITION MEMBRANE (FULLY ADHERED)

3" MIN.

WALLTITE® (MINIMUM 1" THICK)

WALL CORNER - HSS COLUMN

WALLTITE® AIR BARRIER SYSTEM, CONCRETE BLOCK ASSEMBLY

Drawn by: C.C

Scale: 3/4" = 1'-0"

Date: APRIL 3, 2019

Checked by: F.D.

Designed by: C.J. & A.M.

Project no: M18 704

Drawing Number: WB-5
- MASONRY VENEER WALL
- AIR SPACE (MAX 25 MM)
- WALLTITE® SPRAY POLYURETHANE FOAM INSULATION
- CONCRETE MASONRY UNIT

- CAULKING

- BASF APPROVED TRANSITION MEMBRANE (FULLY ADHERED)

- WALLTITE® (MINIMUM 1" THICK)

- SPACE FOR DEFLECTION

- MECHANICALLY FASTEN FOAM STOPS

- BACKER ROD

- COMPRESSIBLE INSULATION INSTALLED IN EXPANSION JOINT

- MASTERSEAL® NP1™ OVER BACKER ROD

- MEMBRANE TUCKED INTO EXPANSION JOINT WITH LOOP

- CAULKING

- COMPRESSION MASONRY VENEER WALL
- AIR SPACE (MAX 25 MM)
- WALLTITE® SPRAY POLYURETHANE FOAM INSULATION
- CONCRETE MASONRY UNIT

Drawn by: C.C.
Scale: 3/4" = 1'-0"
Design by: C.J. & A.M.
Date: OCTOBER 24, 2019
Project No.: M18 704
Checked by: F.D.
- Masonry Veneer Wall
- Air Space (Max 25 mm)
- Walltite® Spray Polyurethane Foam Insulation
- Concrete Masonry Unit

BASF Approved Transition Membrane (Fully Adhered)

Walltite® (Minimum 1" Thick)

Caulking

Membrane Tucked Into Expansion Joint With Loop

Mechanically Fasten Foam Stops

Space For Deflection

Compressible Insulation Installed In Expansion Joint

Masterseal® NP1™ Over Backer Rod

Drawn by: C.C

Scale: 3/4" = 1'-0"

Designed by: C.J. & A.M.

Date: OCTOBER 24, 2019

Drawn by: C.C

Checked by: F.D.
- MASONRY VENEER WALL
- AIR SPACE (MAX 25 MM)
- WALLTITE® SPRAY POLYURETHANE FOAM INSULATION
- EXTERIOR GYPSUM BOARD
- STEEL STUDS
- PARAPET SHEATHING
- ROOFING MEMBRANE

- WALLTITE® (MINIMUM 1" THICK)
- FIBROUS INSULATION
- CAULKING
- TRANSITION MEMBRANE (FULLY ADHERED)

CONVENTIONAL ROOF SYSTEM WITH VAPOUR BARRIER
- Masonry Veneer Wall
- Air Space (Max 25 MM)
- WALLTITE® Spray Polyurethane Foam Insulation
- Concrete Masonry Unit

WALLTITE® Air Barrier System,
Concrete Block Assembly

Drawn by: C.C.
Scale: 3/4" = 1'-0"
Date: October 24, 2019
Designed by: C.J. & A.M.
Drawn by: C.C.
Checked by: F.D.
STEP 1.A
INSTALL A TRANSITION MEMBRANE AROUND THE PIPE.
CUT THE EDGE OF THE MEMBRANE TO ENSURE THE MEMBRANE IS WELL ADHERED
TO THE WALL AND ALONG THE PERIMETER OF THE PIPE.
NOTE: INSTALL THE MEMBRANE STARTING FROM THE BOTTOM OF THE PIPE.

STEP 1.B
STEP 2
INSTALL A MEMBRANE ON THE WALL TO COVER THE LOWER HALF OF THE PIPE.

STEP 3
INSTALL A SECOND MEMBRANE ON THE WALL TO COVER THE UPPER PART OF THE PIPE AND OVERLAP WITH THE LOWER MEMBRANE.
SEAL THE PERIMETER AND ALL THE MEMBRANE JOINTS.

STEP 4
SPRAY WALLTITE® BEFORE LAYING BRICKS.
- **MASONRY VENEER WALL**
- **AIR SPACE (MAX 25 MM)**
- **WALLTITE® SPRAY POLYURETHANE FOAM INSULATION**
- **CONCRETE MASONRY UNIT**

**BACKER ROD**

**COMPRESSIBLE INSULATION INSTALLED IN EXPANSION JOINT**

**MASTERSEAL® NP1™ OVER BACKER ROD**

**CAULKING**

**MEMBRANE TUCKED INTO EXPANSION JOINT WITH LOOP**

**MECHANICALLY FASTEN FOAM STOPS**

**3" MIN.**

**WALLTITE® (MINIMUM 1" THICK)**

**WB-9 MOVEMENT / CONTROL / EXPANSION JOINT DETAIL**

**WALLTITE® AIR BARRIER SYSTEM, CONCRETE BLOCK ASSEMBLY**

**Drawn by:** C.C

**Scale:** 3/4" = 1'-0"

**Designed by:** C.J. & A.M.

**Date:** OCTOBER 24, 2019

**Checked by:** F.D.

**Project no:** M18 704