SPECIMEN NO. 1 (OPAQUE WALL DRAWINGS)

1. CERTASPRAY (THICKNESS 1"")
2. CONCRETE MASONRY UNITS
3. STEEL STRUCTURE
4. SELF-ADHERING AIR BARRIER MEMBRANE W/ PRIMER

CERTAINTEED CORPORATION INSULATION GROUP
SPECIMEN NO. 1 ( OPAQUE WALL DRAWINGS )

COMPOSITION

1  CERTASPRAY ( THICKNESS 1" )
2  CONCRETE MASONRY UNITS
3  STEEL STRUCTURE
4  SELF-ADHESIVE AIR BARRIER MEMBRANE W/ PRIMER
5  STRUCTURAL TIE 24" O.C. ( TYPICAL )

WALL UPPER
SECTION

WALL LOWER
SECTION

PLAN VIEW OF WALL

CERTAINTEED CORPORATION INSULATION GROUP
SPECIMEN NO. 2 (WALL WITH PENETRATIONS)

1. BLOK-LOK BL-407 SURFACE MOUNTED BRICK VENEER ANCHOR (OR EQUAL)
2. DUR-O-WALL DUR-O-EYE HORIZONTAL JOINT REINFORCING WITH INTEGRAL WIRE TIES (OR EQUAL)

NOTE: NO TRANSITION MEMBRANE AT THE PERIMETER OF PROJECTED TIES OF WALL SAMPLE

CERTAINTEED CORPORATION INSULATION GROUP
SPECIMEN NO. 2 (WALL WITH PENETRATIONS)

COMPOSITION

1. CERTASPRAY (THICKNESS 1"")
2. CONCRETE MASONRY UNITS
3. STEEL STRUCTURE
4. SELF-ADHESIVE MEMBRANE W/ PRIMER
5. SIMULATED WINDOW ASSEMBLY
6. POLYMER BASED CAULKING STRIP
7. CONCRETE FOOTING 8" X 10"
8. FOAM SEAL GASKET
9. CAULKING
10. URETHANE FOAM SEALANT
11. MASONRY VENEER ANCHOR

WALL UPPER SECTION

WALL LOWER SECTION

WALL SECTION

OPENING LOWER SECTION

CERTAINTEED CORPORATION INSULATION GROUP
SPECIMEN NO. 3 (WALL WITH PENETRATIONS)

1. CERTASPRAY (THICKNESS 1"
2. CONCRETE MASONRY UNITS
3. STEEL STRUCTURE
4. SELF-ADHESIVE MEMBRANE W/ PRIMER
5. SIMULATED WINDOW ASSEMBLY
6. STRUCTURAL TIE 24" O.C. (TYP)
7. CONCRETE FOOTING 8" X 10"
8. GALVANIZED STEEL DUCT 4" X 4"
9. PVC PIPE 2" DIAM
10. ELECTRICAL STEEL CONDUIT 1-1/2" DIAM

CERTAINTEED CORPORATION INSULATION GROUP
**COMPOSITION**

1. CERTASPRAY (THICKNESS 1")
2. CONCRETE MASONRY UNITS
3. STEEL STRUCTURE
4. SELF-ADHESIVE MEMBRANE W/ PRIMER
5. SIMULATED WINDOW ASSEMBLY
6. POLYMER BASED CAULKING STRIP
7. CONCRETE FOOTING 8" X 10"
8. GALVANIZED STEEL DUCT 4" X 4"
9. STEEL PIPE 1–1/2" DIAM
10. FOAM SEAL GASKET
11. CAULKING
12. URETHANE FOAM SEALANT

---

**WALL UPPER SECTION**

1. CERTASPRAY (THICKNESS 1")
2. CONCRETE MASONRY UNITS
3. STEEL STRUCTURE
4. SELF-ADHESIVE MEMBRANE W/ PRIMER

**WALL LOWER SECTION**

1. CERTASPRAY (THICKNESS 1")
2. CONCRETE MASONRY UNITS
3. STEEL STRUCTURE
4. SELF-ADHESIVE MEMBRANE W/ PRIMER
5. SIMULATED WINDOW ASSEMBLY
6. POLYMER BASED CAULKING STRIP
7. CONCRETE FOOTING 8" X 10"
8. GALVANIZED STEEL DUCT 4" X 4"
9. STEEL PIPE 1–1/2" DIAM
10. FOAM SEAL GASKET
11. CAULKING
12. URETHANE FOAM SEALANT

**WALL SECTION**

1. CERTASPRAY (THICKNESS 1")
2. CONCRETE MASONRY UNITS
3. STEEL STRUCTURE
4. SELF-ADHESIVE MEMBRANE W/ PRIMER

**OPENING LOWER SECTION**

1. CERTASPRAY (THICKNESS 1")
2. CONCRETE MASONRY UNITS
3. STEEL STRUCTURE
4. SELF-ADHESIVE MEMBRANE W/ PRIMER
5. SIMULATED WINDOW ASSEMBLY
6. POLYMER BASED CAULKING STRIP
7. CONCRETE FOOTING 8" X 10"
8. GALVANIZED STEEL DUCT 4" X 4"
9. STEEL PIPE 1–1/2" DIAM
10. FOAM SEAL GASKET
11. CAULKING
12. URETHANE FOAM SEALANT
1. CERTASPRAY (THICKNESS 1"")
2. EXTERIOR GYPSUM BOARD
3. STEEL STRUCTURE
4. SELF-ADHESIVE AIR BARRIER MEMBRANE W/ PRIMER
5. 20 GA. STEEL STUD
SPECIMEN NO. 1 (OPAQUE WALL DRAWINGS)

COMPOSITION

1. CERTASPRAY (THICKNESS 1"")
2. EXTERIOR GYPSUM BOARD
3. STEEL STRUCTURE
4. SELF-ADHESIVE AIR BARRIER MEMBRANE W/ PRIMER
5. 20 GA STEEL STUD

WALL UPPER SECTION

WALL LOWER SECTION

PLAN VIEW OF WALL

CERTAINTEED CORPORATION INSULATION GROUP
SPECIMEN NO. 2 (WALL WITH PENETRATIONS)

COMPOSITION

1  CERTASPRAY (THICKNESS 1"
2  CONCRETE MASONRY UNITS
3  STEEL STRUCTURE
4  SELF-ADHESIVE MEMBRANE W/ PRIMER
5  SIMULATED WINDOW ASSEMBLY
6  POLYMER BASED CAULKING STRIP
7  CONCRETE FOOTING 8" X 10"
8  FOAM SEAL GASKET
9  CAULKING
10 URETHANE FOAM SEALANT
11 MASONRY VENEER ANCHOR

CERTAINTEED CORPORATION INSULATION GROUP
SPECIMEN NO. 3 (WALL WITH PENETRATIONS)

1. BLOK-LOK BL-407 SURFACE MOUNTED BRICK VENEER ANCHOR (OR EQUAL)
2. BLOK-LOK BL-607 SIDE MOUNTED BRICK VENEER ANCHOR (OR EQUAL)
3. GYPSUM BOARD PANEL JOINT

NOTE: NO TRANSITION MEMBRANE AT THE PERIMETER OF THE PROJECTED
BRICK VENEER ANCHORS OF WALL SAMPLE.

CERTAINTEED CORPORATION INSULATION GROUP
**SPECIMEN NO. 3 (WALL WITH PENETRATIONS)**

**COMPOSITION**

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1</td>
<td>CERTASPRAY (THICKNESS 1&quot;)</td>
</tr>
<tr>
<td>2</td>
<td>EXTERIOR GYPSUM BOARD</td>
</tr>
<tr>
<td>3</td>
<td>STEEL STRUCTURE</td>
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<tr>
<td>4</td>
<td>SELF-ADHESIVE MEMBRANE W/ PRIMER</td>
</tr>
<tr>
<td>5</td>
<td>SIMULATED WINDOW OPENING</td>
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<tr>
<td>6</td>
<td>POLYMER BASED CAULKING STRIP</td>
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<td>CONCRETE FOOTING 8&quot; X 10&quot;</td>
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<td>8</td>
<td>FOAM SEAL GASKET</td>
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<td>9</td>
<td>CAULKING</td>
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<td>10</td>
<td>URETHANE FOAM SEALANT</td>
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<tr>
<td>11</td>
<td>BRICK VENEER ANCHOR</td>
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<tr>
<td>12</td>
<td>20 GA. STEEL STUD</td>
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</tbody>
</table>

![Wall Upper Section Diagram](image1)

![Wall Lower Section Diagram](image2)

![Wall Section Diagram](image3)

![Opening Lower Section Diagram](image4)

**CERTAINTEED CORPORATION INSULATION GROUP**
CONCRETE FOUNDATION

WEEP BAFFLE

THRU WALL FLASHING

MASONRY VENEER

ANCHOR

EXTERIOR GYPSUM SHEATHING

INTERIOR GWB

LGMF

MASONRY VENEER

CERTASPRAY™ CLOSED CELL FOAM

THRU WALL FLASHING

WEEP BAFFLE

WEEP

METAL DRIP EDGE FLASHING (IF REQUIRED)

CONCRETE FOUNDATION
ALUMINUM WINDOW UNIT

WINDOW SILL

BACKER ROD & SEALANT (AIR BARRIER TRANSITION TO WINDOW FRAME)

APPROVED SPRAY POLYURETHANE FOAM SEALANT

SILL PAN

AIR BARRIER TRANSITION MEMBRANE

MASONRY VENEER ANCHOR

CMU BU

CERTASPRAY™ CLOSED CELL FOAM

MASONRY VENEER

SKETCH NO: SK-05
DATE: 4/22/09

CERTASPRAY™ SILL 1 CMU BU
WARNING: THIS LINTEL LOCATION AND ATTACHMENT DETAIL CAN RESULT IN HEAT LOSS AND CONDENSATION IN COLD CLIMATES. SEE AB-11 FOR COLD CLIMATE DETAIL

FILL SHIMMED SPACE BETWEEN CMU AND LINTEL WITH SPF SEALANT (IF REQUIRED)
ALUMINUM WINDOW UNIT
MASONRY VENEER
CAVITY
CERTASPRAY™ CLOSED CELL FOAM
MASONRY VENEER ANCHOR
CMU BU
THRU WALL FLASHING
WEEP BAFFLE
APPROVED SPRAY POLYURETHANE FOAM SEALANT
WEEP
METAL DRIP EDGE FLASHING (IF REQUIRED)
OFFSET HUNG LINTEL
BACKER ROD & SEALANT
ZERODRAFT SPRAY POLYURETHANE FOAM SEALANT
ALUMINUM WINDOW UNIT

METAL OR PLASTIC ANGLE ADHERED OR FASTENED TO CMU

1400 Union Meeting Road Blue Bell, PA 19422
T 610-341-6712  F 610-341-6773
www.certainteed.com

SKETCH: CERTASPRAY™ HEAD DETAIL 3 CMU BU
SKETCH NO: SK-11
DATE: 4/22/09
WARNING: THIS LINTEL LOCATION AND ATTACHMENT DETAIL CAN RESULT IN HEAT LOSS AND CONDENSATION IN COLD CLIMATES. SEE AB-13 FOR COLD CLIMATE DETAIL

ALUMINUM WINDOW UNIT

MASONRY VENEER

CAVITY

CERTASPRAY™ CLOSED CELL FOAM

MASONRY VENEER ANCHOR

EXT GYPSUM SHEATHING & LGMF

THRU WALL FLASHING

WEEP BAFFLE

WEEP

METAL DRIP EDGE FLASHING
( IF REQUIRED )

HUNG LINTEL SYSTEM
FILL JTS IN HUNG LINTEL SYSTEM W/ SPF SEALANT

BACKER ROD & SEALANT

APPROVED SPRAY POLYURETHANE FOAM SEALANT

ALUMINUM WINDOW UNIT

WARNING: THIS LINTEL LOCATION AND ATTACHMENT DETAIL CAN RESULT IN HEAT LOSS AND CONDENSATION IN COLD CLIMATES. SEE AB-13 FOR COLD CLIMATE DETAIL

SKETCH: CERTASPRAY™ HEAD DETAIL 2 LGMF BU

SKETCH NO: SK-13

DATE: 4/22/09

1400 Union Meeting Road Blue Bell, PA 19422
T 610-341-6712 F 610-341-6773
www.certainteed.com
ALUMINUM WINDOW UNIT

MASONRY VENEER
CAVITY

CERTASPRAY™ CLOSED CELL FOAM

MASONRY VENEER ANCHOR

THRU WALL FLASHING

WEEP BAFFLE

APPROVED SPRAY POLYURETHANE FOAM SEALANT

WEEP

METAL DRIP EDGE FLASHING ( IF REQUIRED )

OFFSET HUNG LINTEL

BACKER ROD & SEALANT

APPROVED SPRAY POLYURETHANE FOAM SEALANT

ALUMINUM WINDOW UNIT

METAL OR PLASTIC ANGLE FASTENED TO LGMF

1400 Union Meeting Road Blue Bell, PA 19422
T 610-341-6712 F 610-341-6773
www.certainteed.com
WARNING: THIS LINTEL LOCATION AND ATTACHMENT DETAIL CAN RESULT IN HEAT LOSS AND CONDENSATION IN COLD CLIMATES. SEE AB-16 FOR COLD CLIMATE DETAIL

MASONRY VENEER ANCHOR

MASONRY VENEER

CERTASPRAY™ CLOSED CELL FOAM

CMU BU

CAVITY

APPROVED SPFS AT SHIM SPACE BEHIND HUNG LINTEL TO SUPPORT FLASHING ( IF REQ'D )

WEEP BAFFLE

THRU WALL FLASHING

WEEP

METAL DRIP EDGE FLASHING ( IF REQUIRED )

BACKER ROD & SEALANT

COMPRESSIBLE FILLER

HUNG LINTEL SYSTEM FILL JTS IN HUNG LINTEL SYSTEM W/ SPF SEALANT TO TRANSITION AVB

TRANSITION MEMBRANE W/ BACKER ROD TO CREATE A BELLOW FOR DEFLECTION

COMPRESSIBLE FILLER

SKETCH: CERTASPRAY™ RELIEVING ANGLE 1 CMU BU

SKETCH NO: SK-15

DATE: 4/22/09
WARNING: THIS LINTEL LOCATION AND ATTACHMENT DETAIL CAN RESULT IN HEAT LOSS AND CONDENSATION IN COLD CLIMATES. SEE AB-18 FOR COLD CLIMATE DETAIL

- **CAVITY**
- **MASONRY VENEER ANCHOR**
- **EXT GYPSUM SHEATHING & LGMF**
- **CERTASPRAY™ CLOSED CELL FOAM**
- **MASONRY VENEER**
- **APPROVED SPFS FILL AT SHIM SPACE BEHIND ANGEL (IF NEEDED)**
- **THRU WALL FLASHING**
- **WEEP BAFFLE**
- **WEEP**
- **METAL DRIP EDGE FLASHING (IF REQUIRED)**
- **BACKER ROD & SEALANT**
- **COMPRESSIBLE FILLER**
- **HUNG LINTEL SYSTEM FILL JTS IN HUNG LINTEL SYSTEM W/ SPF SEALANT TO TRANSITION AVB**
- **TRANSITION MEMBRANE W/ BACKER ROD TO CREATE BELLOW FOR DEFLECTION HEAD**

---

**Certainteed**

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**SKETCH:** CERTSPRAY™ RELIEVING ANGLE 1 LGMF BU

**SKETCH NO:** SK-17

**DATE:** 4/22/09
MASSONRY VENEER
CAVITY
MASSONRY VENEER ANCHOR
EXT GYPSUM SHEATHING & LGMF
THRU WALL FLASHING
CERTASPRAY™ CLOSED CELL FOAM
WEEP BAFFLE
APPROVED SPRAY POLYURETHANE FOAM SEALANT INFILL BEHIND HUNG LINTEL
WEEP
BACKER ROD & SEALANT
COMPRESSIBLE FILLER
OFFSET HUNG LINTEL SYSTEM
TRANSITION MEMBRANE W/ BACKER ROD TO CREATE BELLOWS FOR DEFLECTION

SKETCH: CERTASPRAY™ RELIEVING ANGLE 2 LGMF BU

SKETCH NO: SK-18

1400 Union Meeting Road Blue Bell, PA 19422
T 610-341-6712 F 610-341-6773
www.certainteed.com

DATE: 4/22/09
CERTASPRAY™
CONTROL JOINT
CMU BU

DETAIL MEMBRANE
BACKER ROD
( TO SUPPORT DETAIL MEMBRANE )
CMU BU
CERTASPRAY™
CLOSED CELL FOAM
CAVITY
MASONRY VENEER
CERTASPRAY™
CONTROL JOINT
LG MF BU

DETAIL MEMBRANE
BACKER ROD
( TO SUPPORT DETAIL MEMBRANE )
LG MF BU
CERTASPRAY™
CLOSED CELL FOAM
CAVITY
BRICK VENEER
CERTASPRAY™
EXPANSION JOINT
CMU BU

BOND BREAKER TAPE & SEALANT
APPROVED SPF SEALANT
METAL OR PLASTIC ANGLE
CMU BU
CERTASPRAY™ CLOSED CELL FOAM
CAVITY
BRICK VENEER
CERTASPRAY™ EXPANSION JOINT
LGMF BU

BOND BREAKER TAPE & SEALANT
APPROVED SPF SEALANT
METAL OR PLASTIC ANGLE
CMU BU
CERTASPRAY™ CLOSED CELL FOAM
CAVITY
BRICK VENEER

SKETCH: SK-22
DATE: 4/22/09

1400 Union Meeting Road Blue Bell, PA 19422
T 610-341-6712 F 610-341-6773
www.certainteed.com
CERTASPRAY™
EXTERNAL CORNER
CMU BU

CERTASPRAY™
CLOSED CELL FOAM

CAVITY

BRICK VENEER

SKETCH: CERTASPRAY™
EXTERNAL CORNER
CMU BU

SKETCH NO: SK-23

DATE: 4/22/09

1400 Union Meeting Road Blue Bell, PA 19422
T 610-341-6712  F 610-341-6773
www.certainteed.com
WOOD BLOCKING
ROOF CAP FLASHING
DETAIL MEMBRANE
MASONRY VENEER
EXT GYPSUM SHEATHING & LGMF
CERTASPRAY™ CLOSED CELL FOAM
ROOF VAPOR BARRIER
ROOF MEMBRANE
MASONRY VENEER ANCHOR
BENT PLATE POUR STOP
SLAB ON METAL DECK
DETAIL MEMBRANE
BACKER ROD TO CREATE BELLOW FOR DEFLECTION
CAVITY
DEFLECTION HEAD
STEEL BEAM
EXT GYPSUM SHEATHING & LGMF