

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.
3. THESE GENERIC DETAILS ARE TO SHOW HOW WALLTITE ECO SPRAY FOAM INSULATION CAN MEET THE FUNCTION REQUIREMENTS OF SECTION 9.25.3, 9.25.4, 9.10.17.10 AND 9.13.2.6 OF THE 2005 NBC AS LISTED 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.

Materials Providing Functional Requirement					
Envelope Element	Thermal Resistance (9.25.2)	Air Leakage Control (9.25.3)	Vapour Diffusion Control (9.25.4)	Thermal Barrier (9.10.17.10)	Protection of wood from capillary transport of below grade water (9.13.2.6)
Basement Wall	WALLTITE ECO	Concrete/WALLTITE ECO	WALLTITE ECO	Gypsum wallboard	WALLTITE ECO
First Floor Platform Space	WALLTITE ECO	WALLTITE ECO To plate below and floor above	WALLTITE ECO	Spray applied cementitious fireproofing	N/A
Above grade walls	WALLTITE ECO	WALLTITE ECO to wood framing. Caulk all wood to wood joints	WALLTITE ECO	Gypsum wallboard	N/A
Second floor Platform space	WALLTITE ECO	WALLTITE ECO to plate below and floor above.	WALLTITE ECO	Gypsum wallboard ceiling	N/A
Unvented roof assembly *	WALLTITE ECO	WALLTITE ECO to top plate of wall below.	WALLTITE ECO	Gypsum wallboard ceiling	N/A

*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".

GENERAL NOTES

GENERIC BASF WALL DETAILS FOR SPRAY-APPLIED POLYURETHANE FOAM

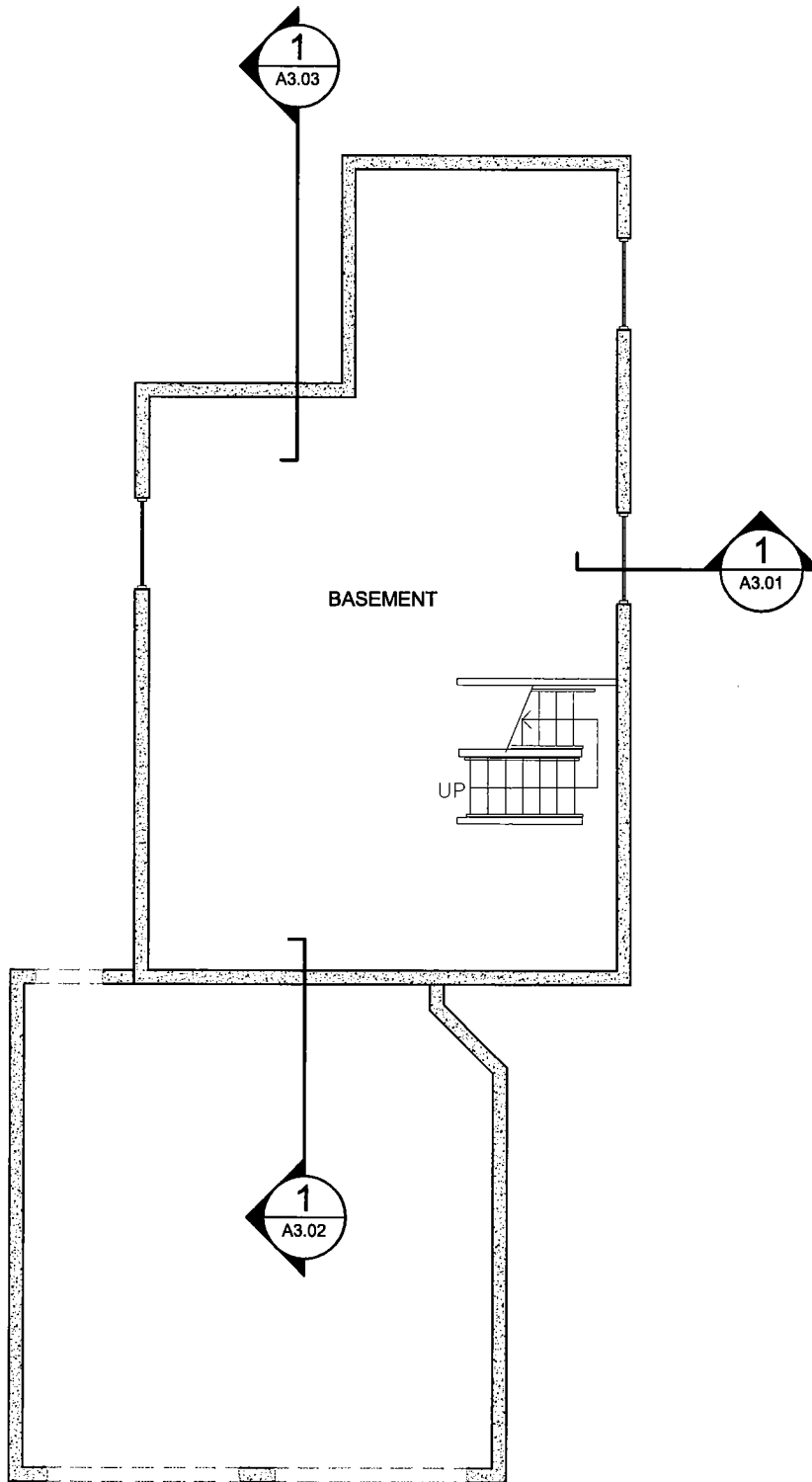
Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: G0.01	Scale: 3"=1'-0"
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 Vancouver, BC V5K 5J5
 Tel: 604 454 0402 Fax: 604 454 0403
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GENERIC BASEMENT & FOUNDATION PLAN

**GENERIC BASF WALL DETAILS FOR
SPRAY-APPLIED POLYURETHANE FOAM**

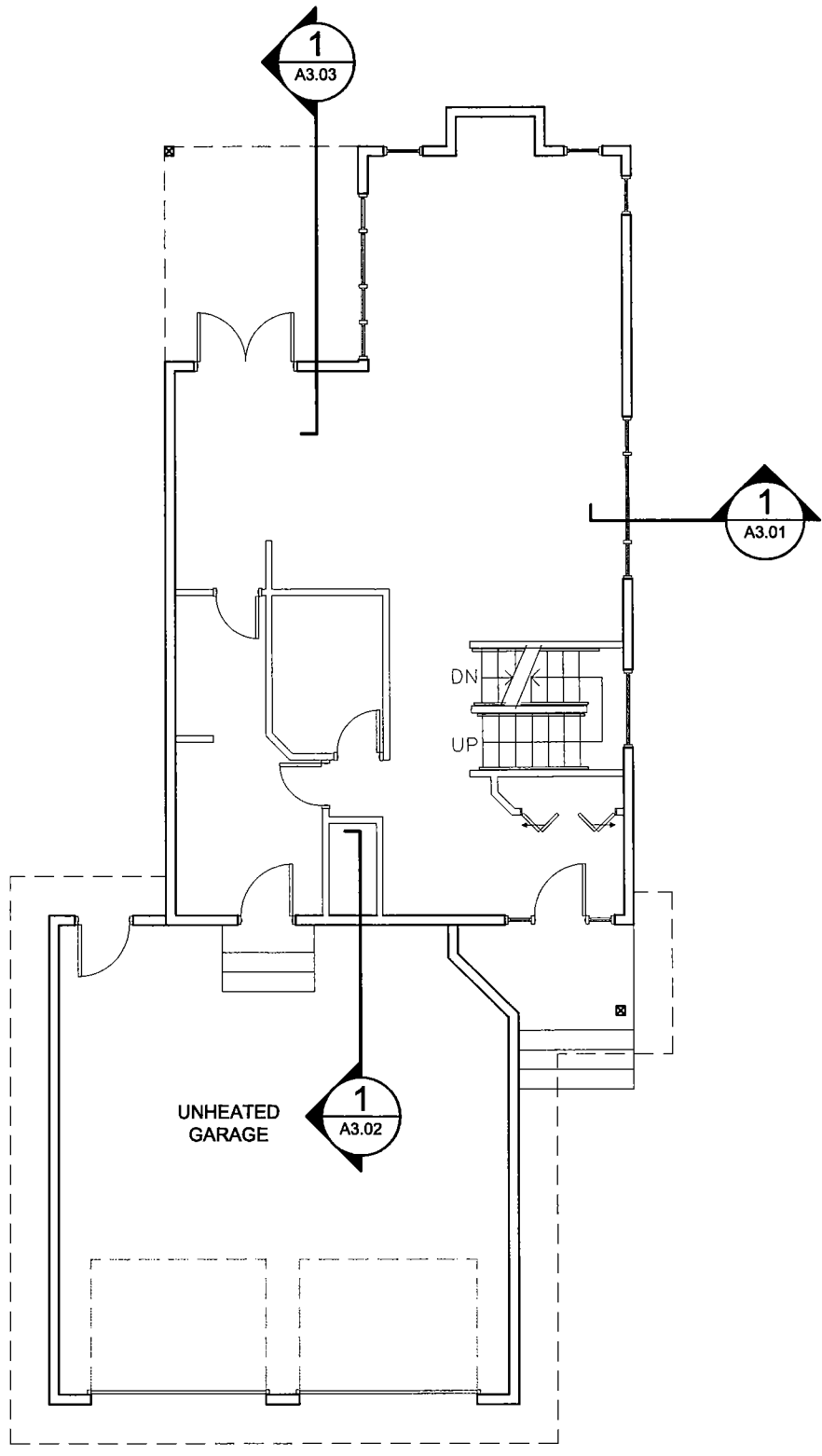
Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A1.01	Scale: N.T.S.
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GENERIC MAIN FLOOR PLAN

**GENERIC BASF WALL DETAILS FOR
SPRAY-APPLIED POLYURETHANE FOAM**

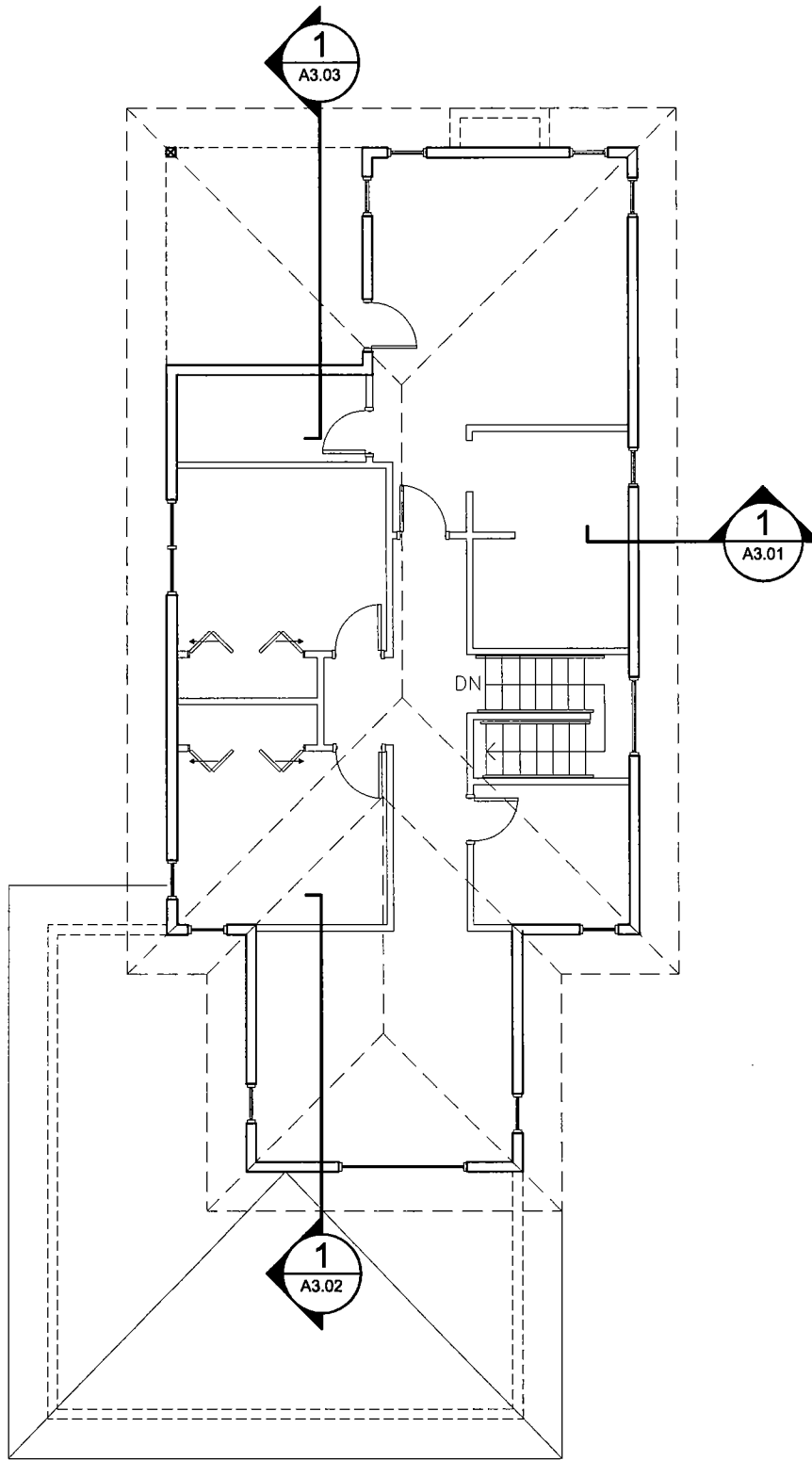
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GENERIC SECOND FLOOR PLAN

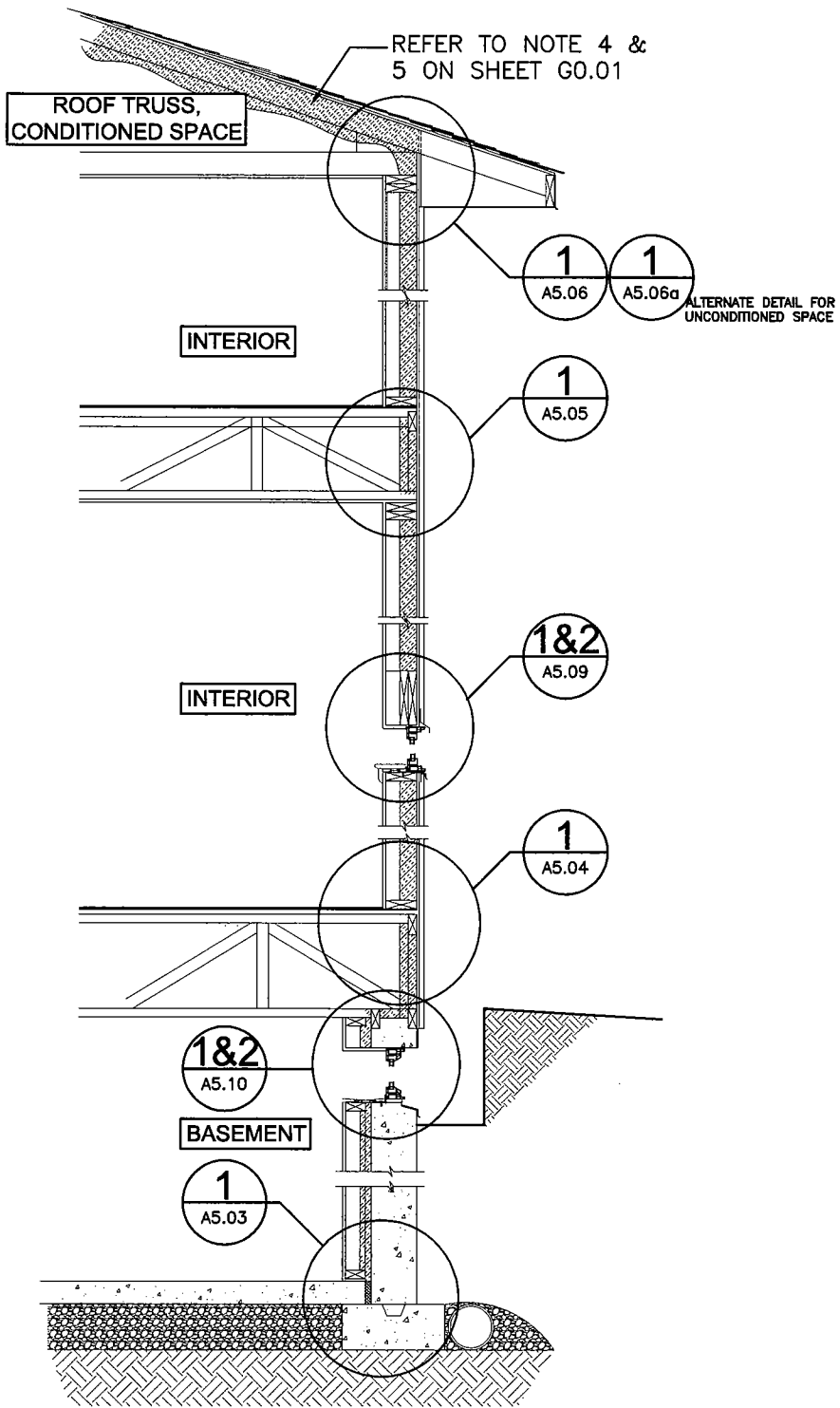
**GENERIC BASF WALL DETAILS FOR
SPRAY-APPLIED POLYURETHANE FOAM**

Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A1.03	Scale: N.T.S.
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VERTICAL WALL SECTIONS

GENERIC BASF WALL DETAILS FOR
SPRAY-APPLIED POLYURETHANE FOAM

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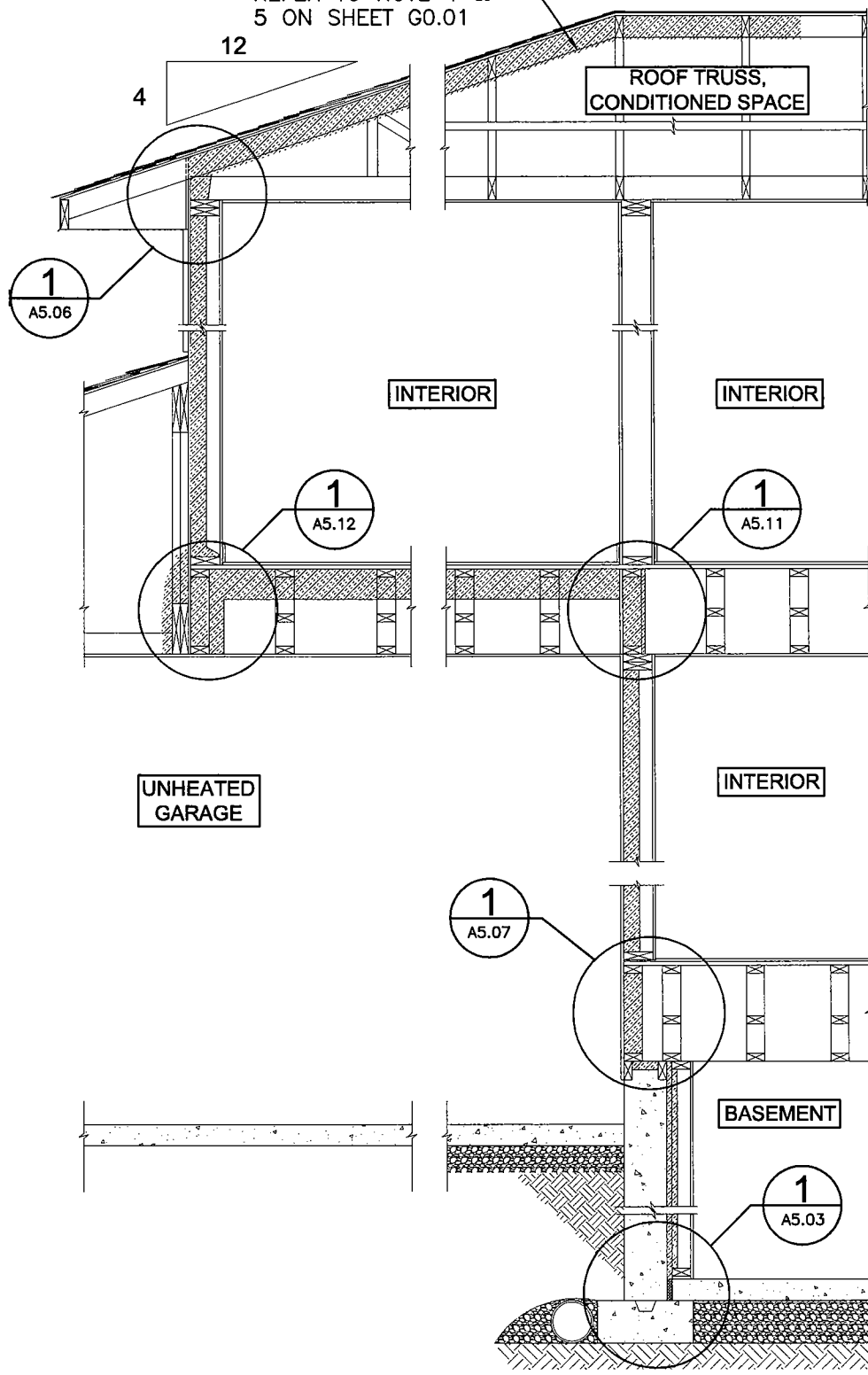
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REFER TO NOTE 4 &
5 ON SHEET G0.01



PARTIAL BUILDING SECTION

**GENERIC BASF WALL DETAILS FOR
SPRAY-APPLIED POLYURETHANE FOAM**

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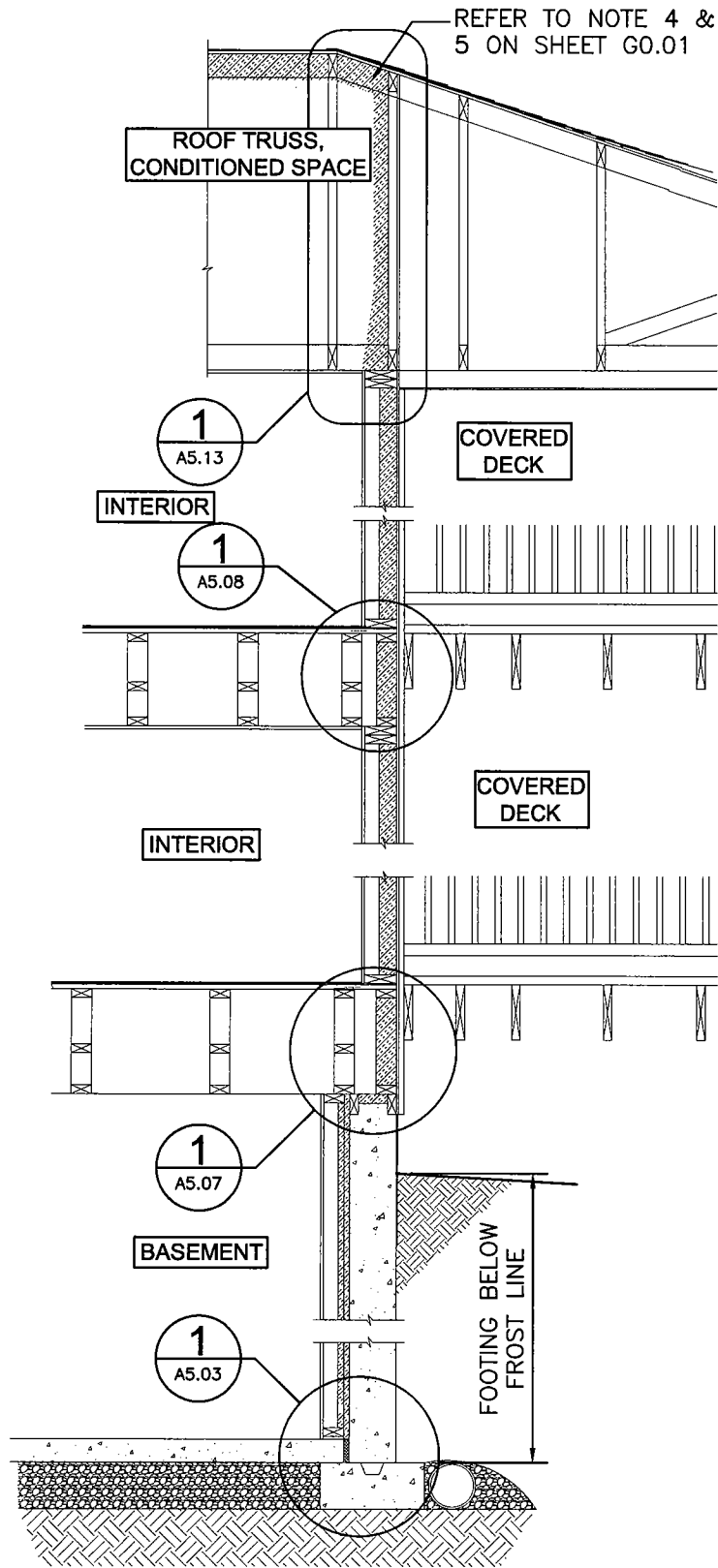
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PARTIAL BUILDING SECTION

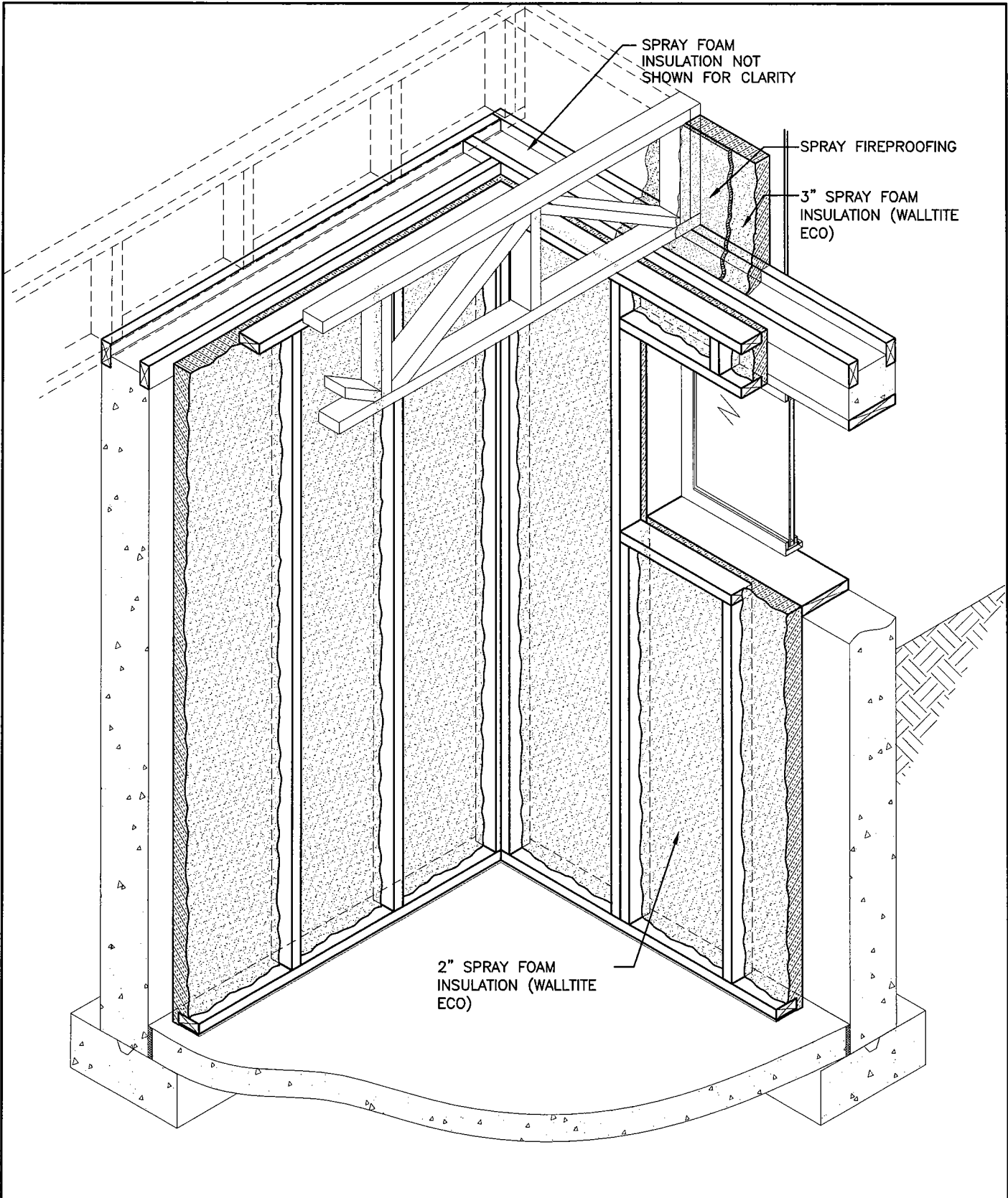
**GENERIC BASF WALL DETAILS FOR
SPRAY-APPLIED POLYURETHANE FOAM**

Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A3.03	Scale: 3/8"=1'-0"
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**ISOMETRIC OF BELOW GRADE WALL
ASSEMBLY C/W WINDOW OPENING**

**GENERIC BASF WALL DETAILS FOR
SPRAY-APPLIED POLYURETHANE FOAM**

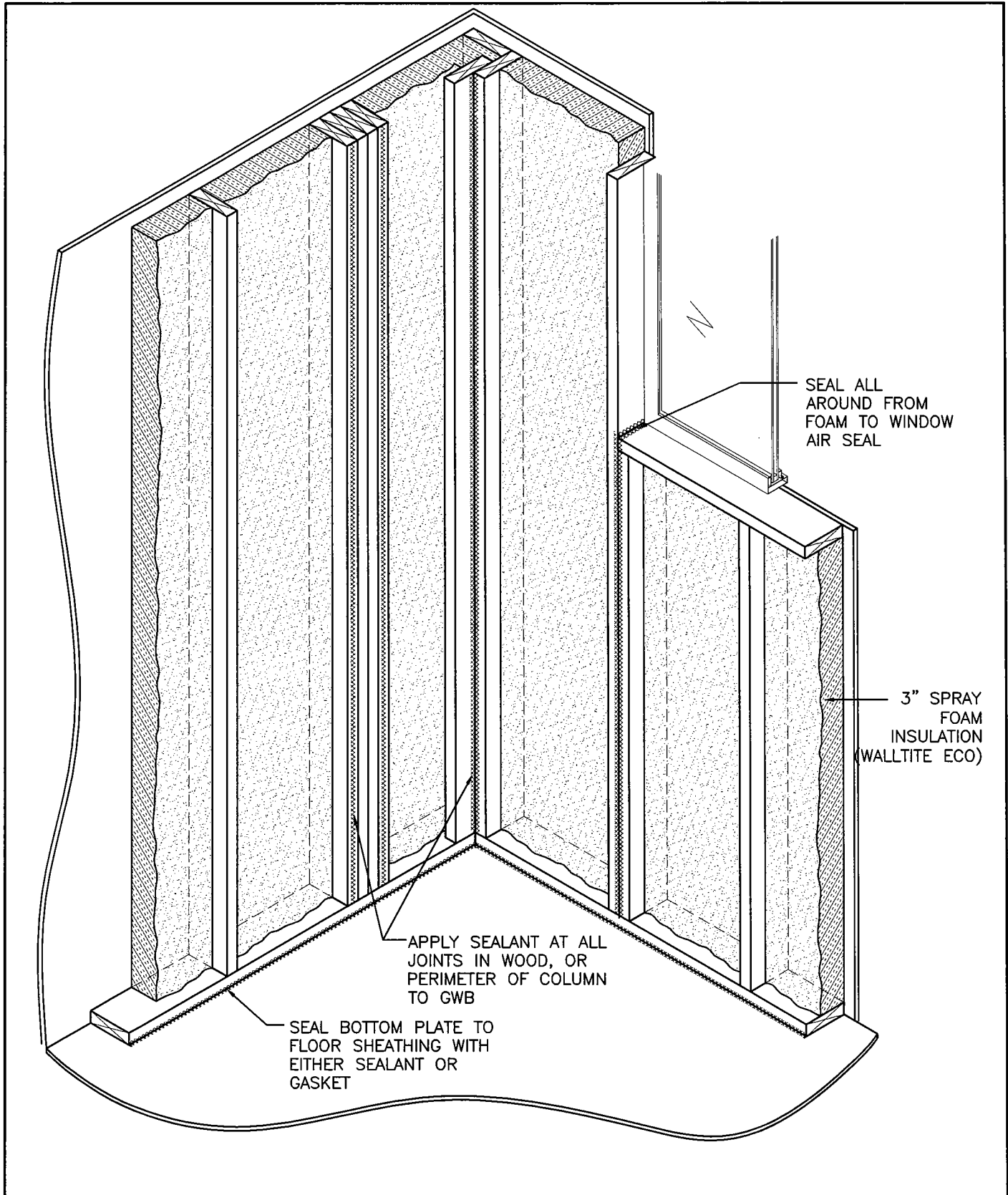
Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A4.01	Scale: N.T.S.
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**ISOMETRIC OF TYPICAL WALL ASSEMBLY
AT CORNER C/W WINDOW OPENING**

**GENERIC BASF WALL DETAILS FOR
SPRAY-APPLIED POLYURETHANE FOAM**

Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08
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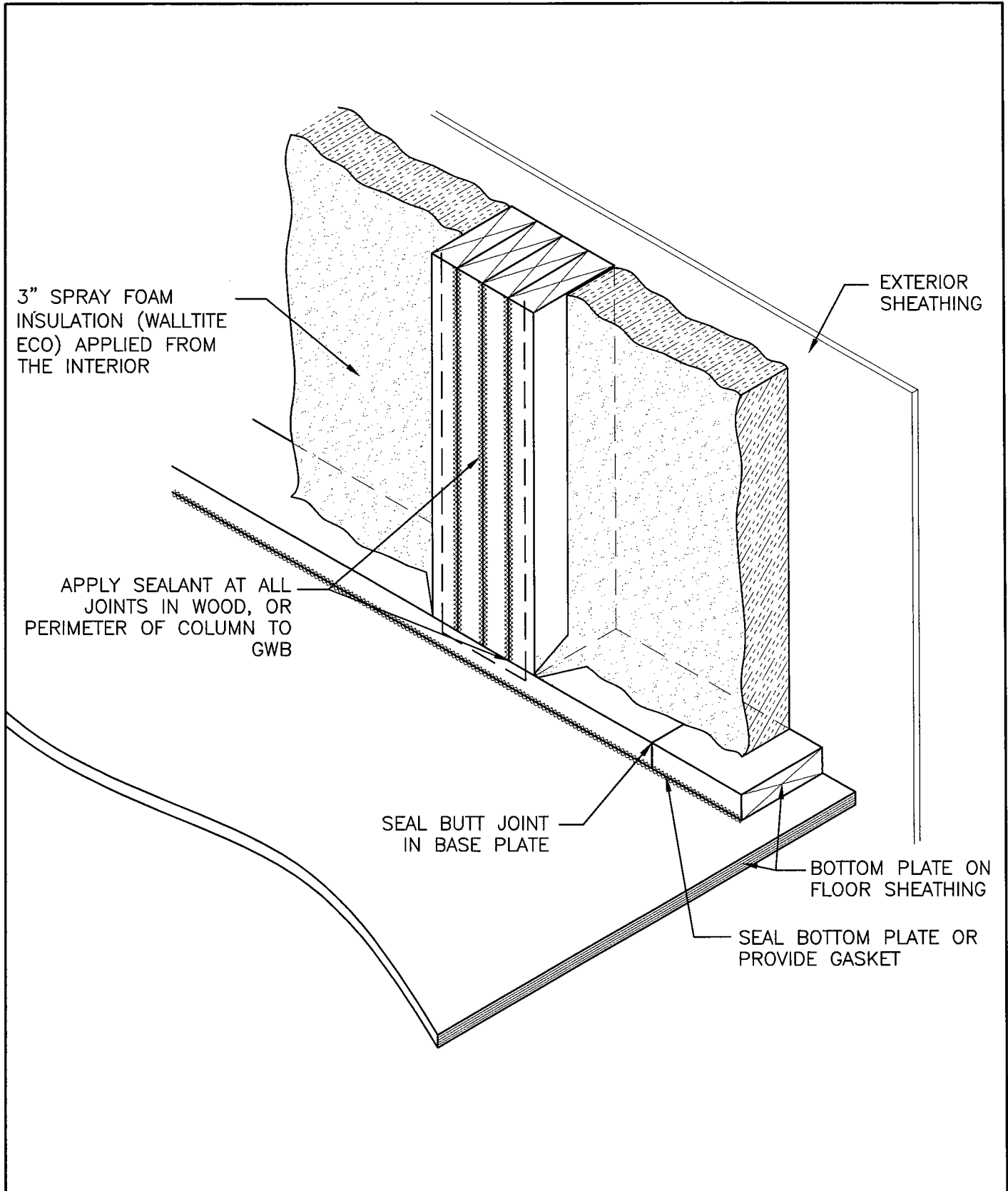
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**ISOMETRIC OF BUILT-UP COLUMN
TYPICAL JOINT & SEAM DETAILS**

**GENERIC BASF WALL DETAILS FOR
SPRAY-APPLIED POLYURETHANE FOAM**

Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08
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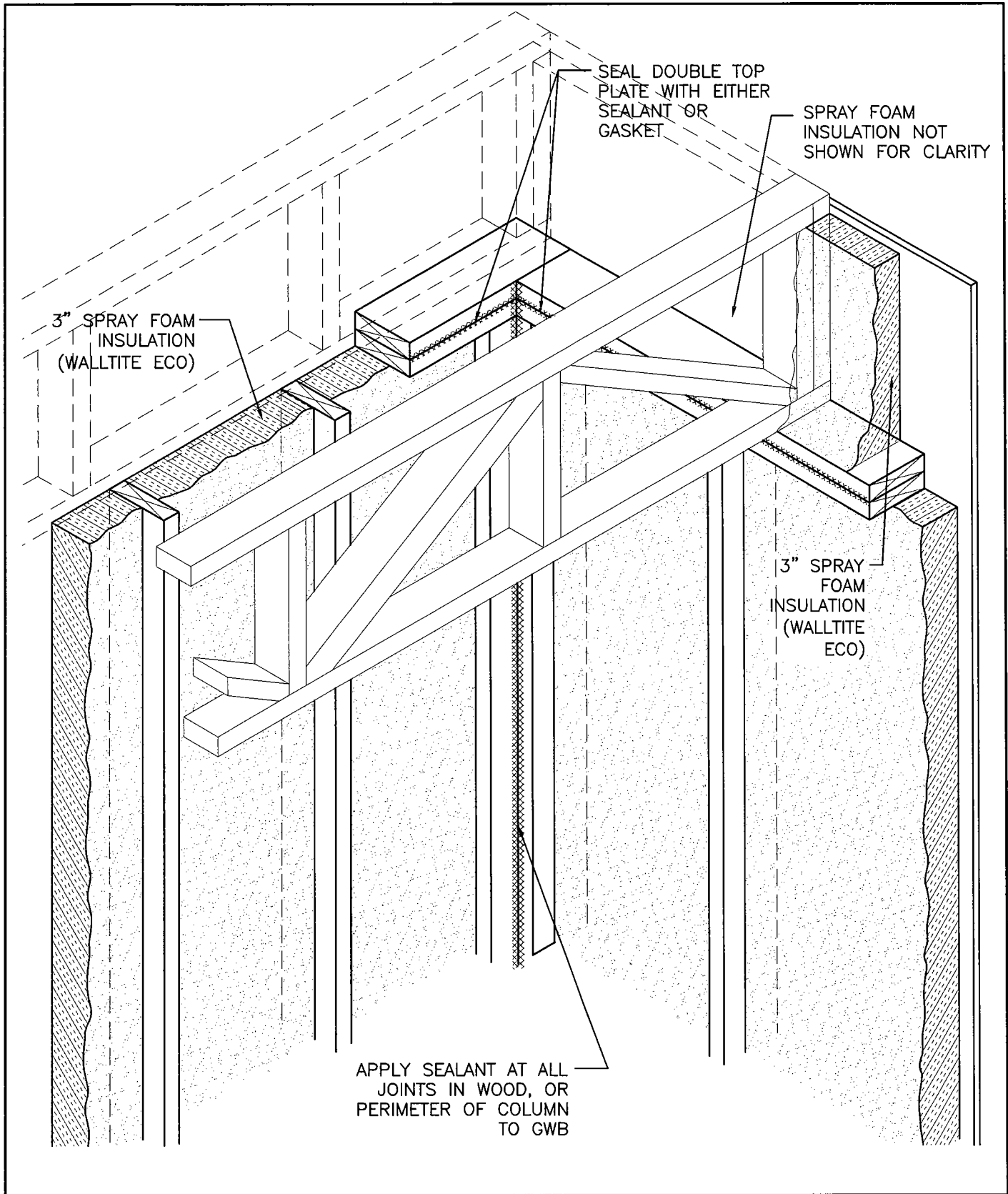
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**ISOMETRIC OF SEALANT
AT DOUBLE TOP PLATE**

**GENERIC BASF WALL DETAILS FOR
SPRAY-APPLIED POLYURETHANE FOAM**

Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08
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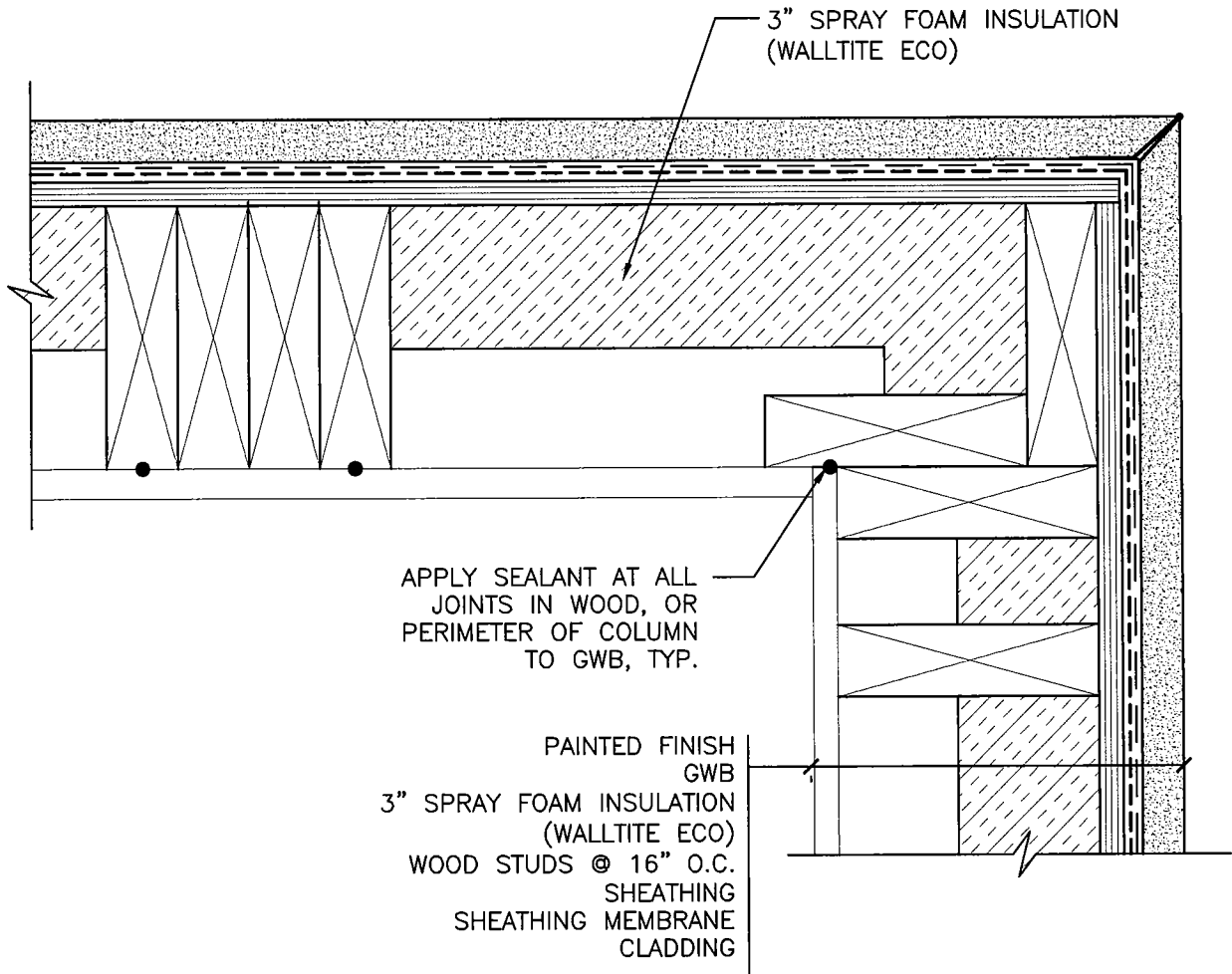
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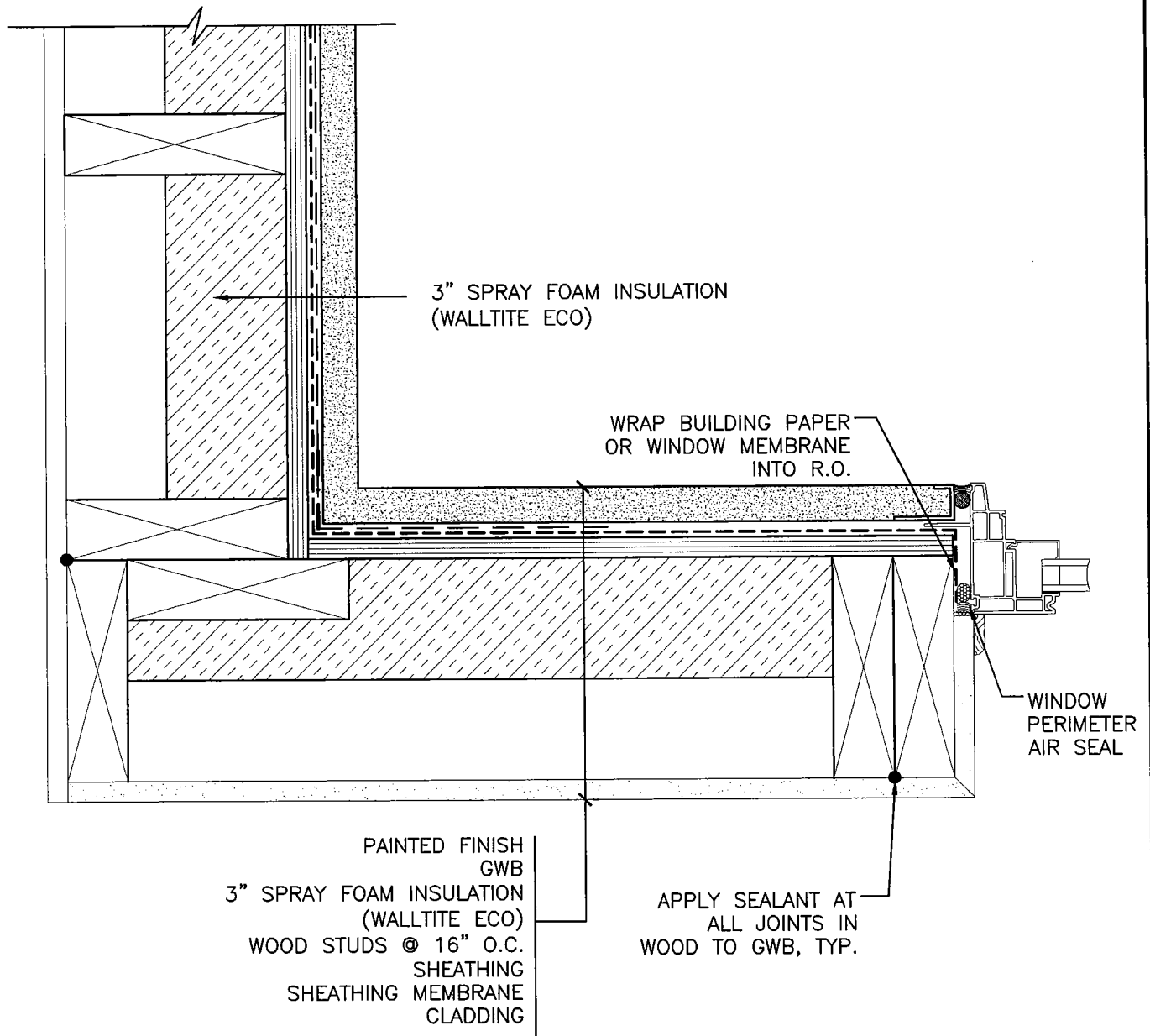
APPLY SEALANT AT ALL JOINTS IN WOOD, OR PERIMETER OF COLUMN TO GWB, TYP.

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


1 TYPICAL OUTSIDE CORNER AND BUILT-UP COLUMN
 SCALE: 3"=1'-0"

PLAN - OUTSIDE CORNER AND BUILT-UP COLUMN				GENERIC BASF WALL DETAILS FOR SPRAY-APPLIED POLYURETHANE FOAM			
Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A5.01	Scale: 3"=1'-0"	
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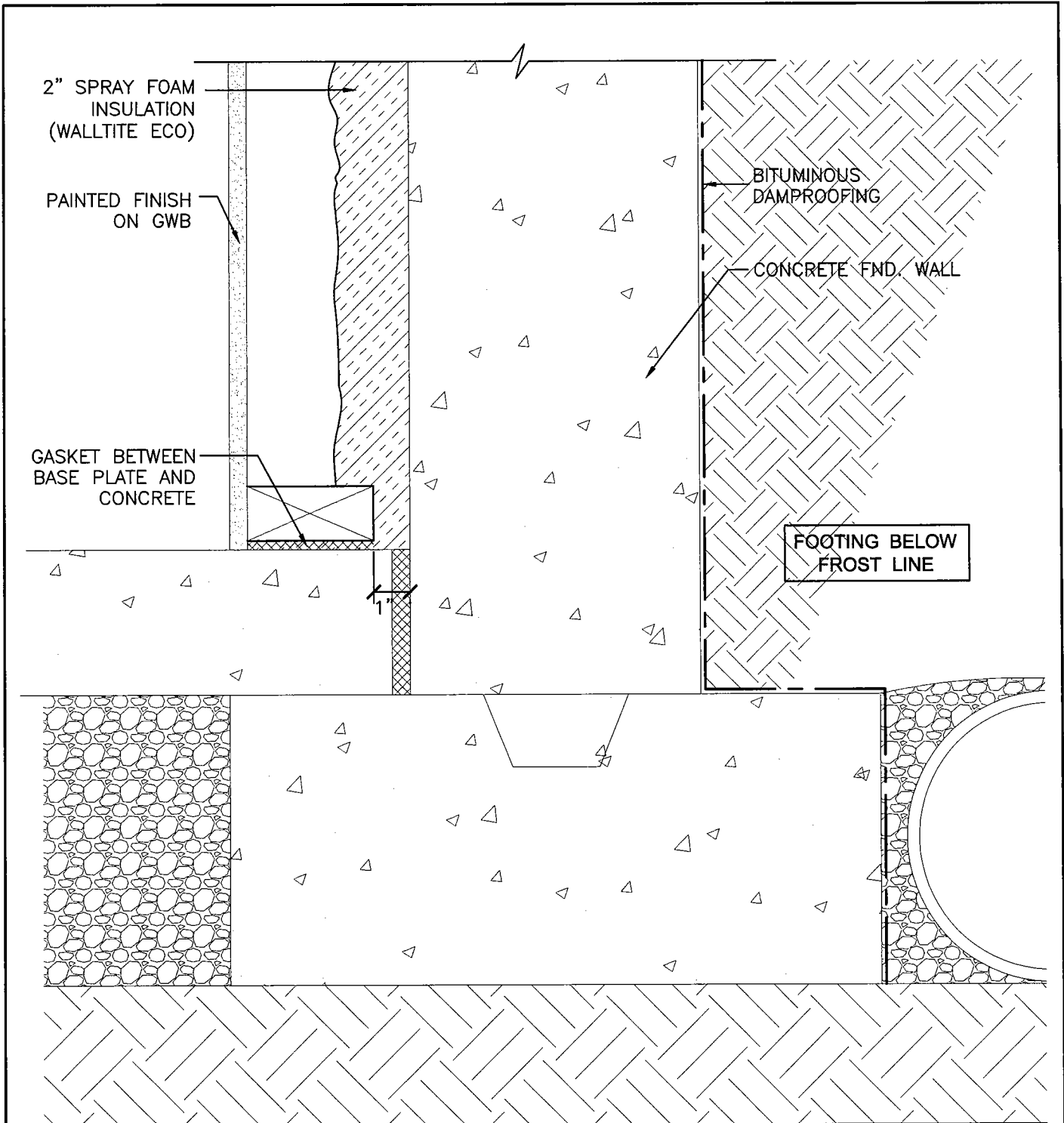
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1
**TYPICAL INSIDE
 CORNER & WINDOW JAMB**
 SCALE: 3"=1'-0"

PLAN - INSIDE CORNER AND WINDOW JAMB DETAILS				GENERIC BASF WALL DETAILS FOR SPRAY-APPLIED POLYURETHANE FOAM			
Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A5.02	Scale: 3"=1'-0"	
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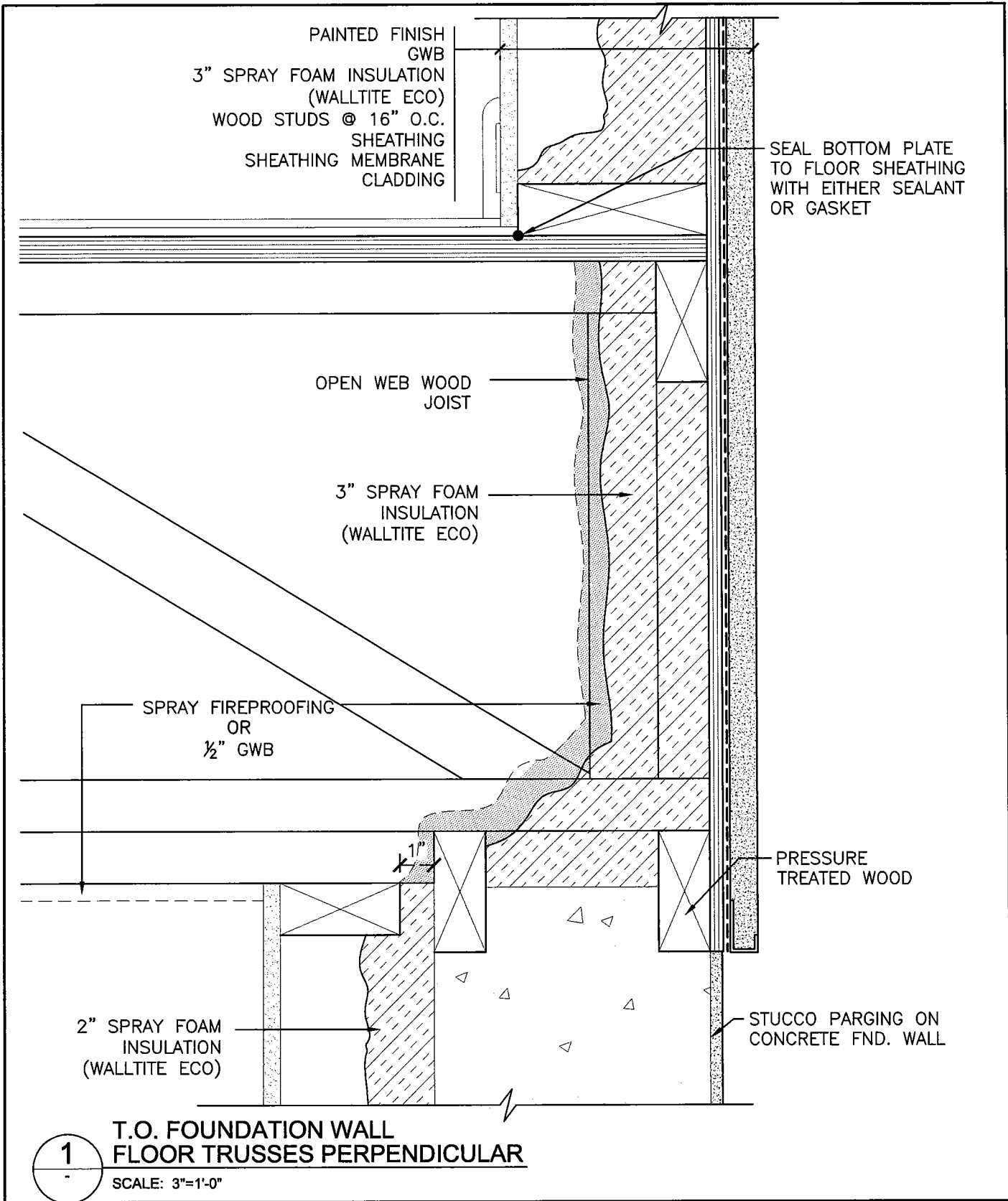
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1 FOUNDATION BASE OF WALL DETAIL
SCALE: 3"=1'-0"

FOUNDATION WALL AT FOOTING				GENERIC BASF WALL DETAILS FOR SPRAY-APPLIED POLYURETHANE FOAM			
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1
**T.O. FOUNDATION WALL
 FLOOR TRUSSES PERPENDICULAR**
 SCALE: 3"=1'-0"

**PERPENDICULAR TRUSS AT TOP OF
 FOUNDATION WALL**

**GENERIC BASF WALL DETAILS FOR
 SPRAY-APPLIED POLYURETHANE FOAM**

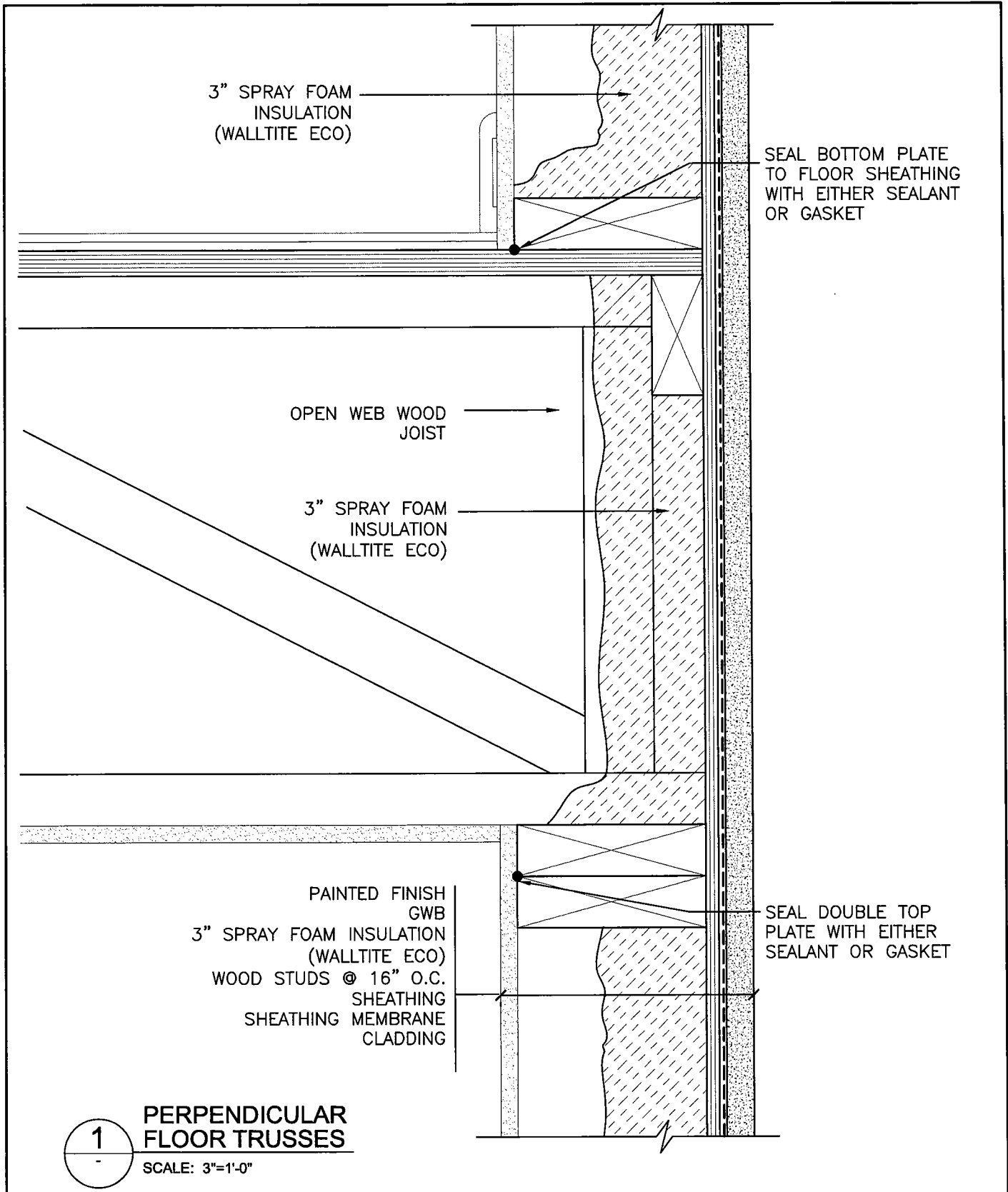
Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A5.04	Scale: 3"=1'-0"
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**PERPENDICULAR FLOOR TRUSS
SECOND FLOOR**

**GENERIC BASF WALL DETAILS FOR
SPRAY-APPLIED POLYURETHANE FOAM**

Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A5.05	Scale: 3"=1'-0"
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REFER TO NOTE 4 & 5 ON SHEET G0.01

4" SPRAY FOAM INSULATION (WALLTITE ECO)

OSB BACKING BETWEEN TRUSSES

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

1

TOP OF WALL AT ROOF TRUSSES

SCALE: 3"=1'-0"

TOP OF WALL AT ROOF TRUSS

GENERIC BASF WALL DETAILS FOR SPRAY-APPLIED POLYURETHANE FOAM

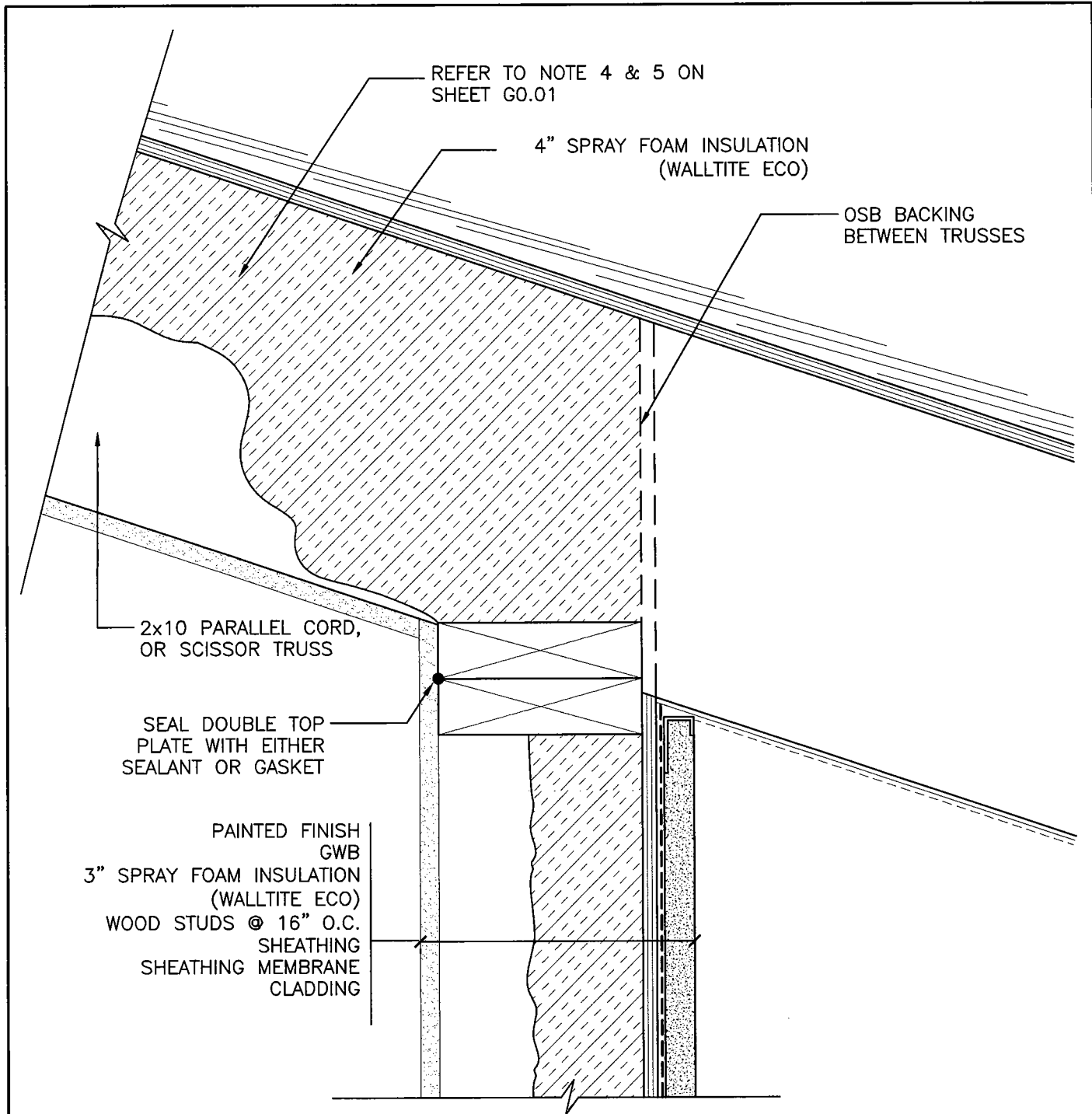
Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A5.06	Scale: 3"=1'-0"
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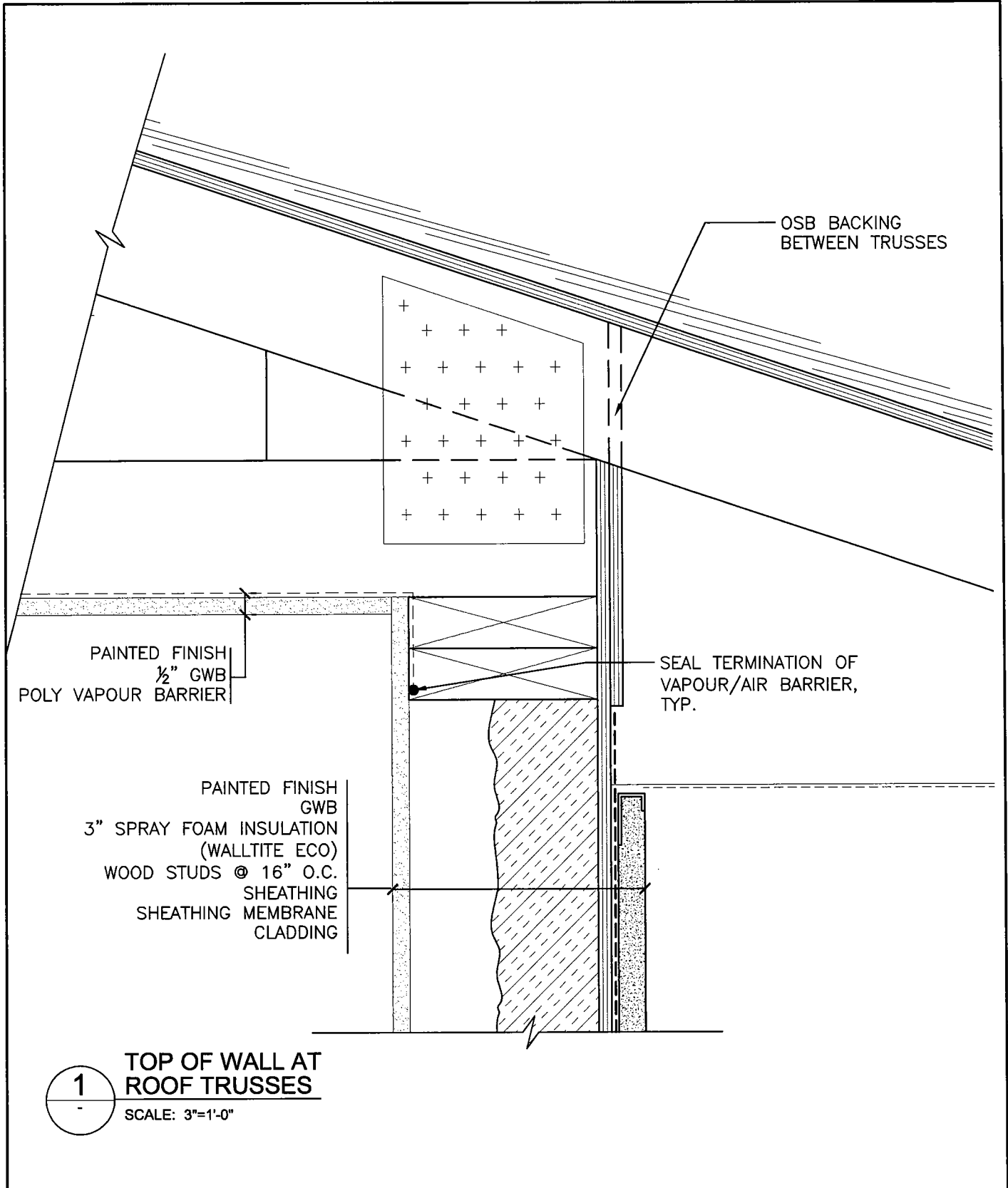
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TOP OF WALL AT VAULTED CEILING

SCALE: 3"=1'-0"

ALTERNATE DETAIL - TOP OF WALL AT VAULTED CEILING				GENERIC BASF WALL DETAILS FOR SPRAY-APPLIED POLYURETHANE FOAM			
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ALTERNATE DETAIL - TOP OF WALL AT ROOF TRUSS W/O SPRAY FOAM

GENERIC BASF WALL DETAILS FOR SPRAY-APPLIED POLYURETHANE FOAM

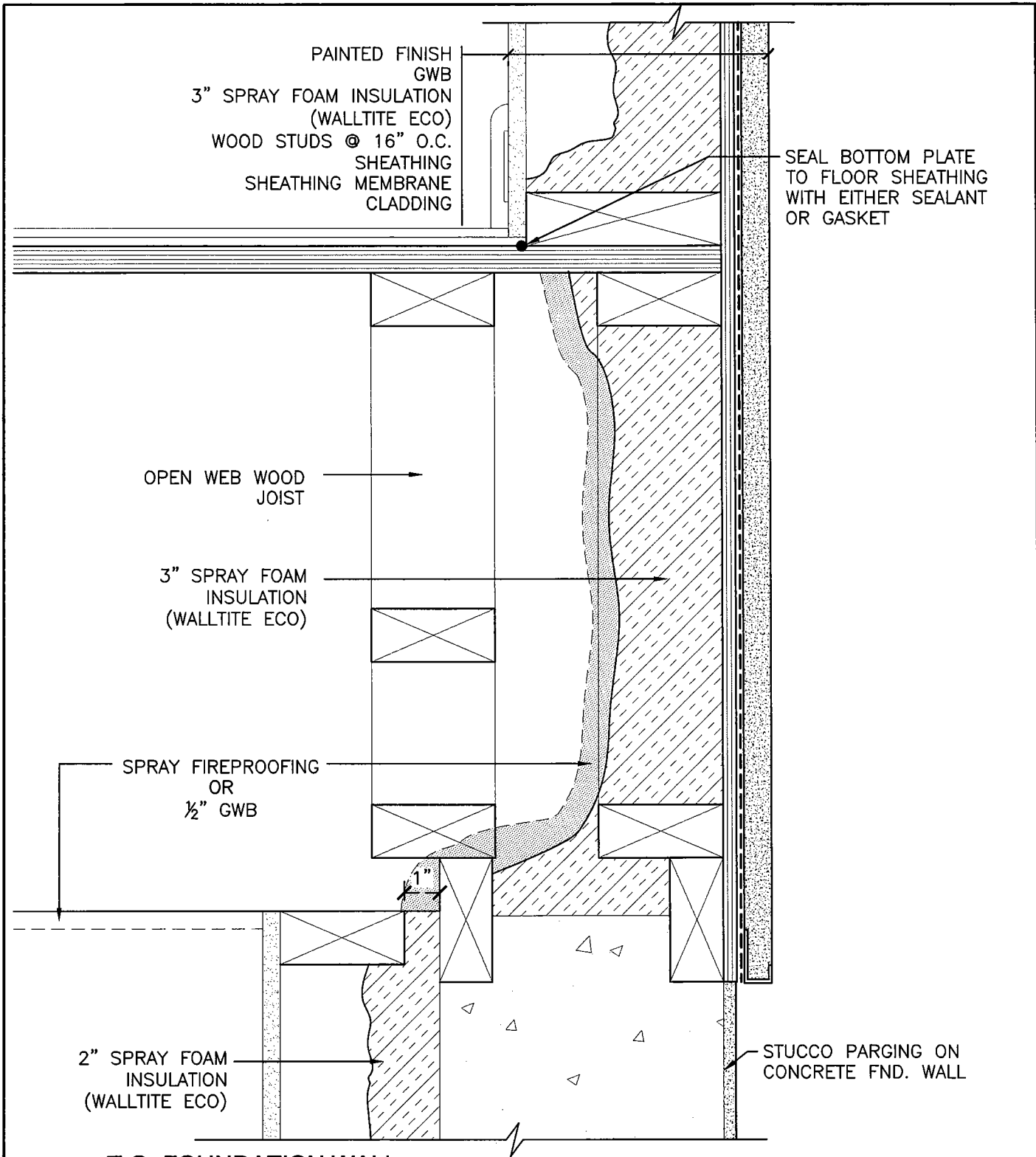
Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A5.06a	Scale: 3"=1'-0"
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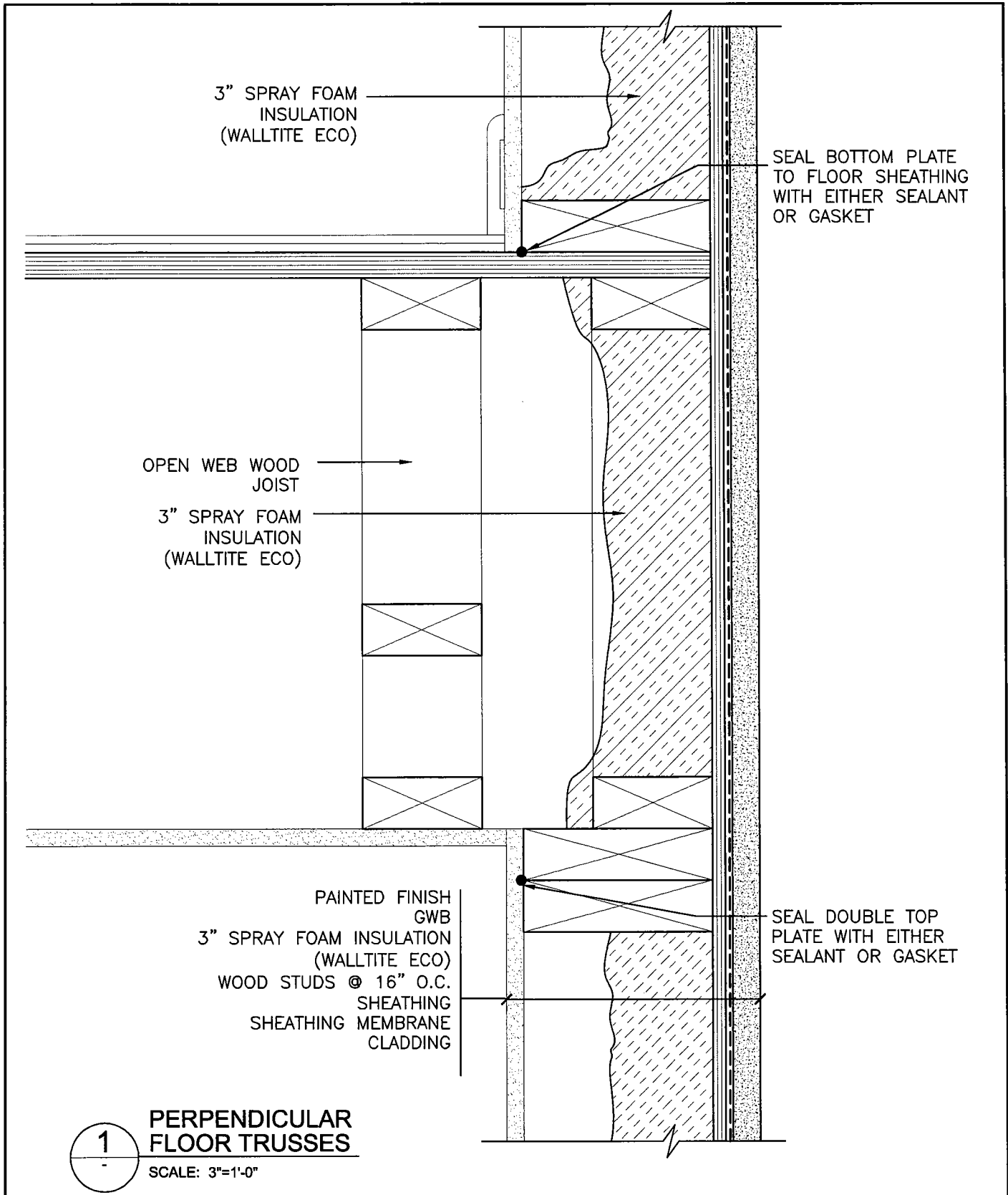
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1 T.O. FOUNDATION WALL
FLOOR TRUSSES PARALLEL
 SCALE: 3"=1'-0"

PARALLEL TRUSS AT TOP OF FOUNDATION WALL				GENERIC BASF WALL DETAILS FOR SPRAY-APPLIED POLYURETHANE FOAM			
Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A5.07	Scale: 3"=1'-0"	
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1

PERPENDICULAR FLOOR TRUSSES

SCALE: 3"=1'-0"

PARALLEL FLOOR TRUSS SECOND FLOOR

GENERIC BASF WALL DETAILS FOR SPRAY-APPLIED POLYURETHANE FOAM

Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A5.08	Scale: 3"=1'-0"
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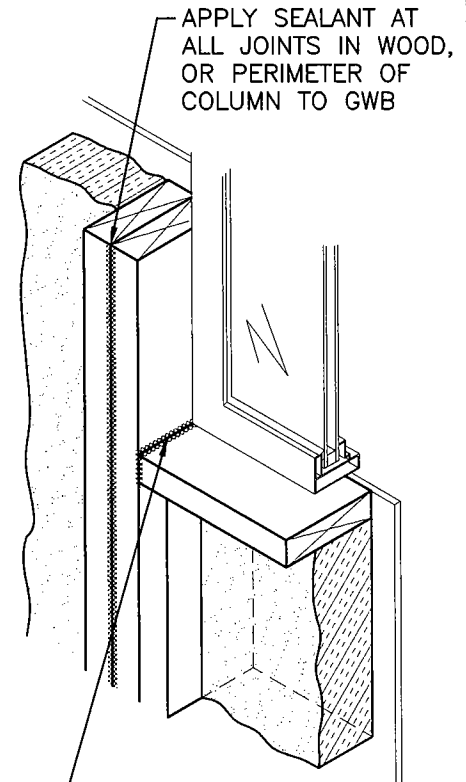


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PAINTED FINISH
GWB
3" SPRAY FOAM INSULATION
(WALLTITE ECO)
WOOD STUDS @ 16" O.C.
SHEATHING
SHEATHING MEMBRANE
CLADDING

WINDOW PERIMETER
AIR SEAL

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



SEAL ALL AROUND FROM FOAM TO WINDOW AIR SEAL

A SILL ISOMETRIC
SCALE: N.T.S.

WINDOW PERIMETER
AIR SEAL

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

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

WINDOW HEAD & SILL DETAILS

**GENERIC BASF WALL DETAILS FOR
SPRAY-APPLIED POLYURETHANE FOAM**

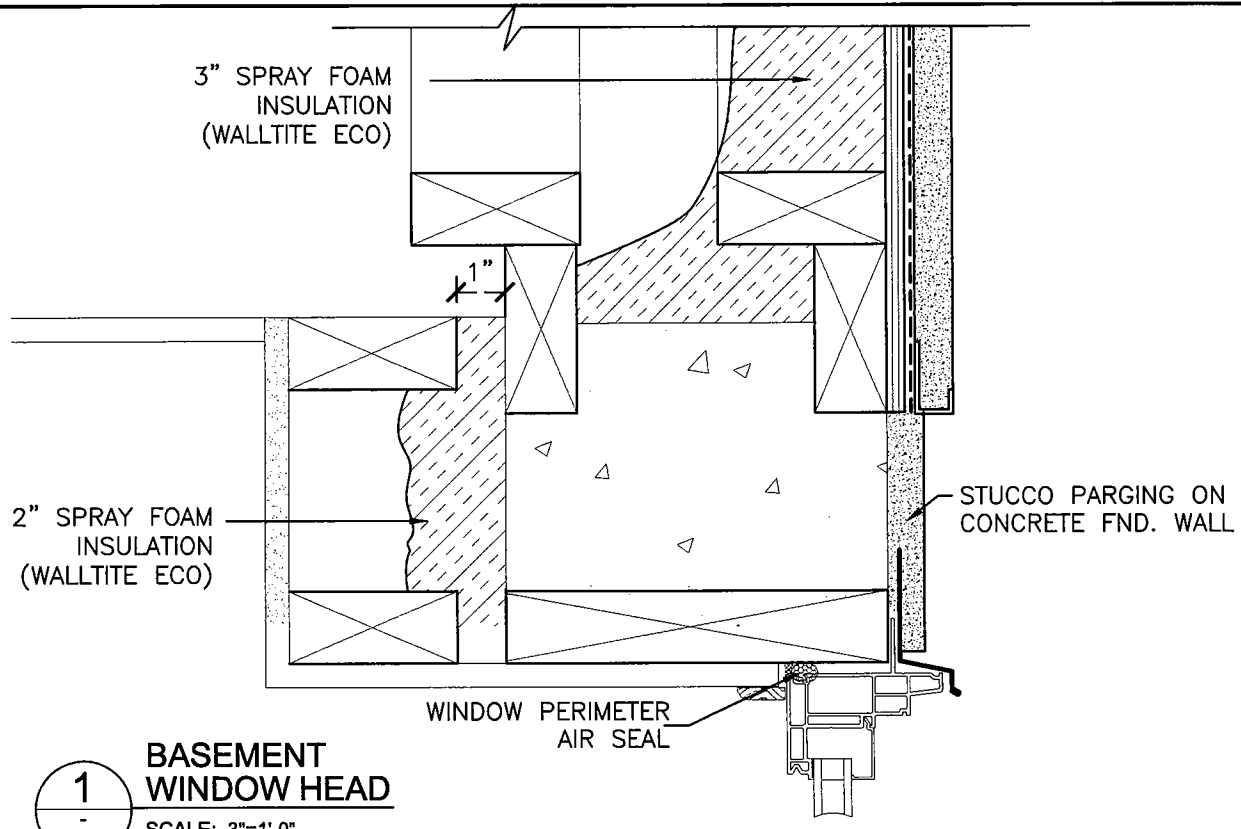
Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A5.09	Scale: 3"=1'-0"
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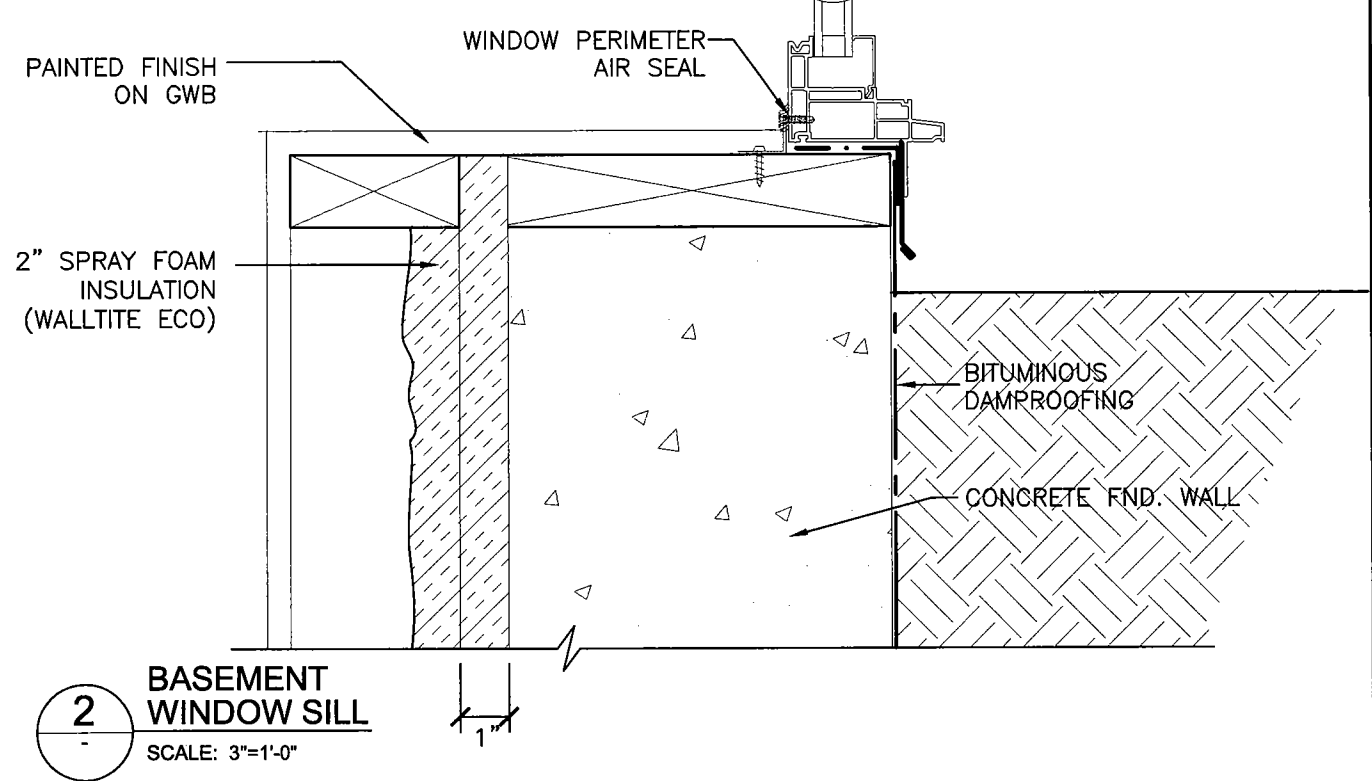


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1
BASEMENT WINDOW HEAD
 SCALE: 3"=1'-0"



2
BASEMENT WINDOW SILL
 SCALE: 3"=1'-0"

BASEMENT WINDOW HEAD & SILL DETAILS

GENERIC BASF WALL DETAILS FOR SPRAY-APPLIED POLYURETHANE FOAM

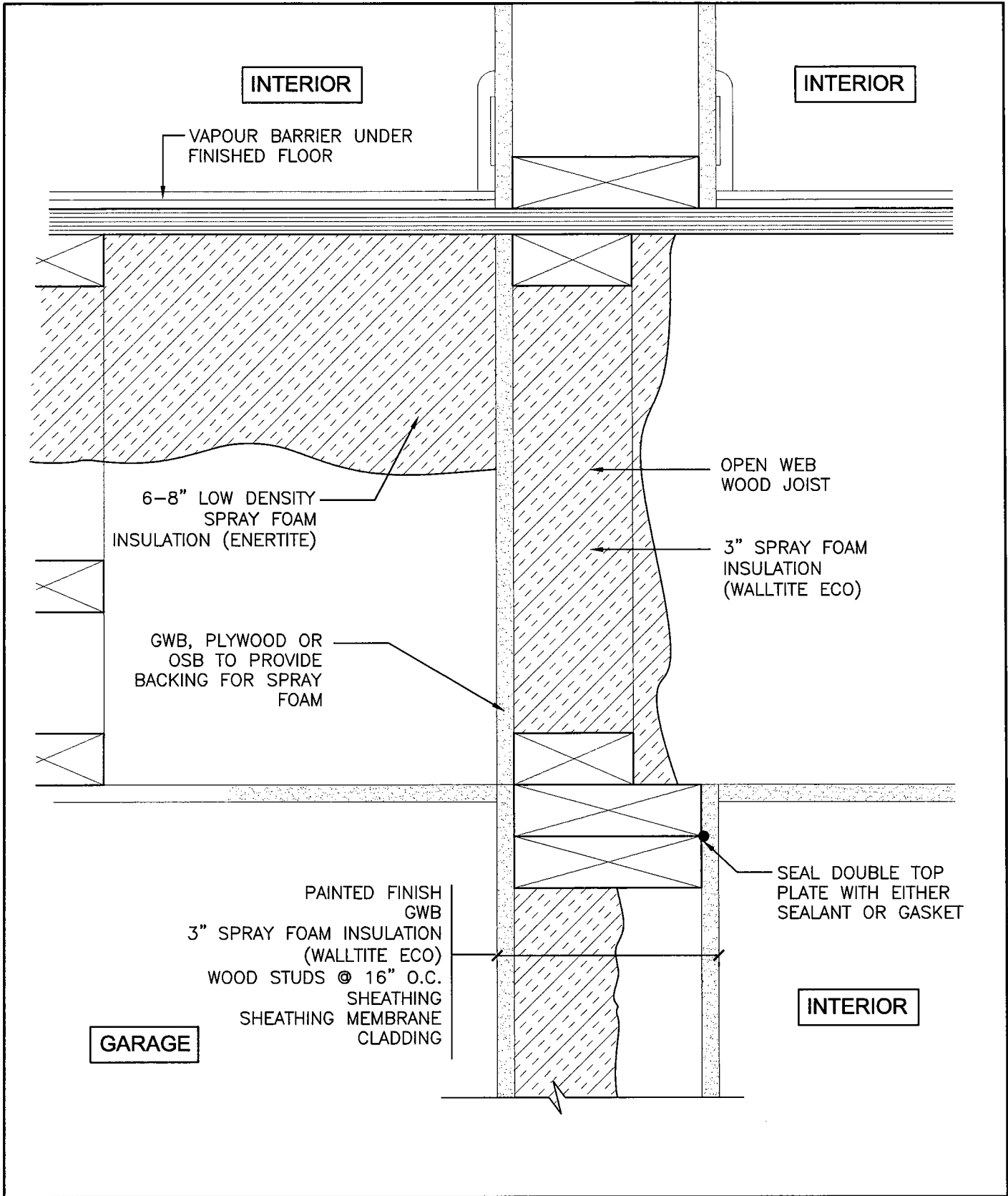
Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A5.10	Scale: 3"=1'-0"
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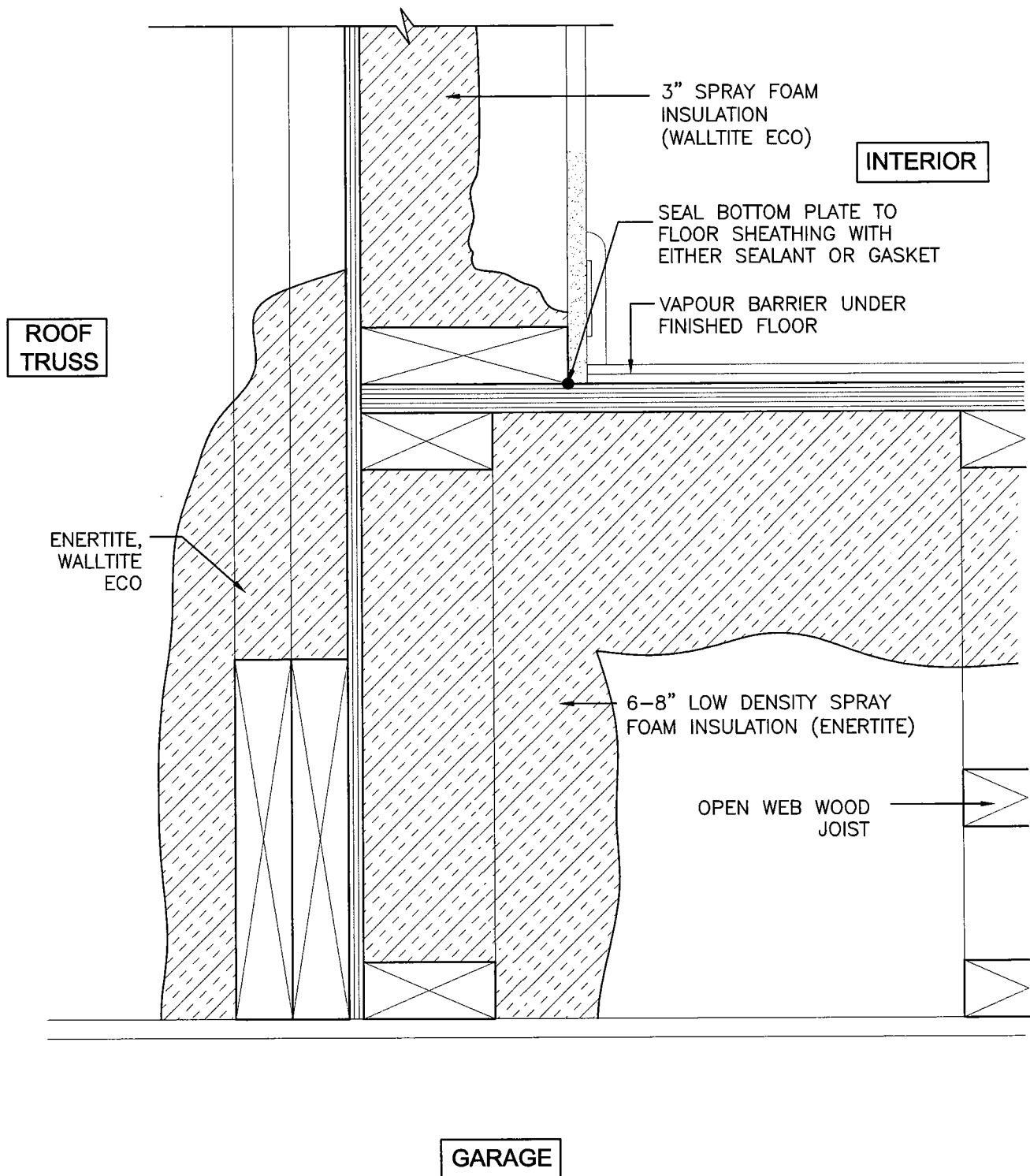
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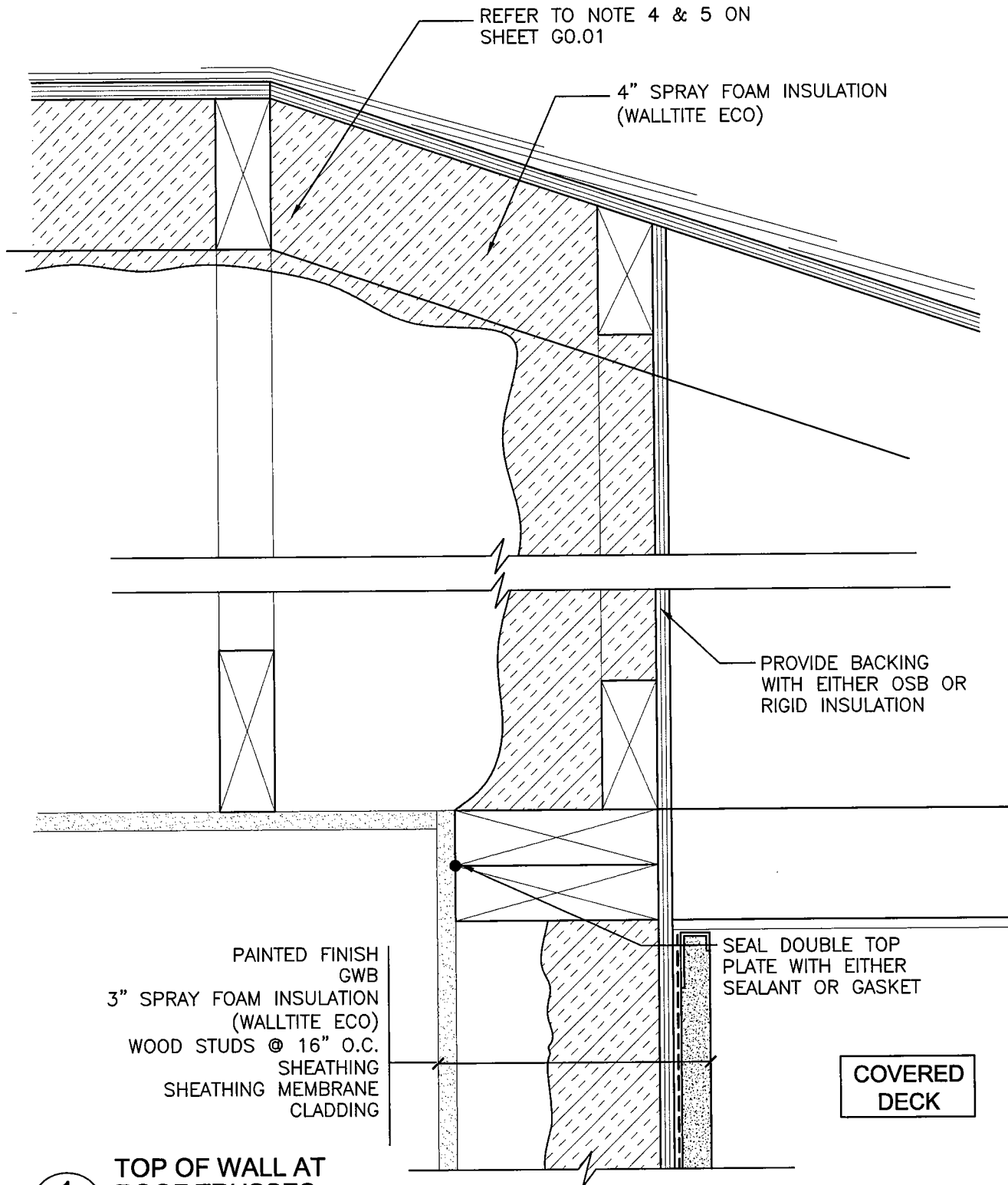
GARAGE WALL TO FLOOR				GENERIC BASF WALL DETAILS FOR SPRAY-APPLIED POLYURETHANE FOAM			
Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A5.11	Scale: 3"=1'-0"	
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GARAGE CEILING TO ROOF TRUSS / WALL				GENERIC BASF WALL DETAILS FOR SPRAY-APPLIED POLYURETHANE FOAM			
Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A5.12	Scale: 3"=1'-0"	
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1
TOP OF WALL AT ROOF TRUSSES
 SCALE: 3"=1'-0"

TOP OF WALL AT INTERMITTENT ROOF TRUSS				GENERIC BASF WALL DETAILS FOR SPRAY-APPLIED POLYURETHANE FOAM			
Design: PJR/MDL	Drawn: BKT	Reviewed: MDL	Date: MAY 08	Project No.: 5085187.00	Drawing No.: A5.13	Scale: 3"=1'-0"	
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