

## GENERIC BASF WALL DETAILS

### 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 SUB-SECTIONS 9.25.3 AND 9.25.4, AND ARTICLES 9.10.17.10 AND 9.13.2.6 OF THE 2015 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 (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".

### GENERAL NOTES

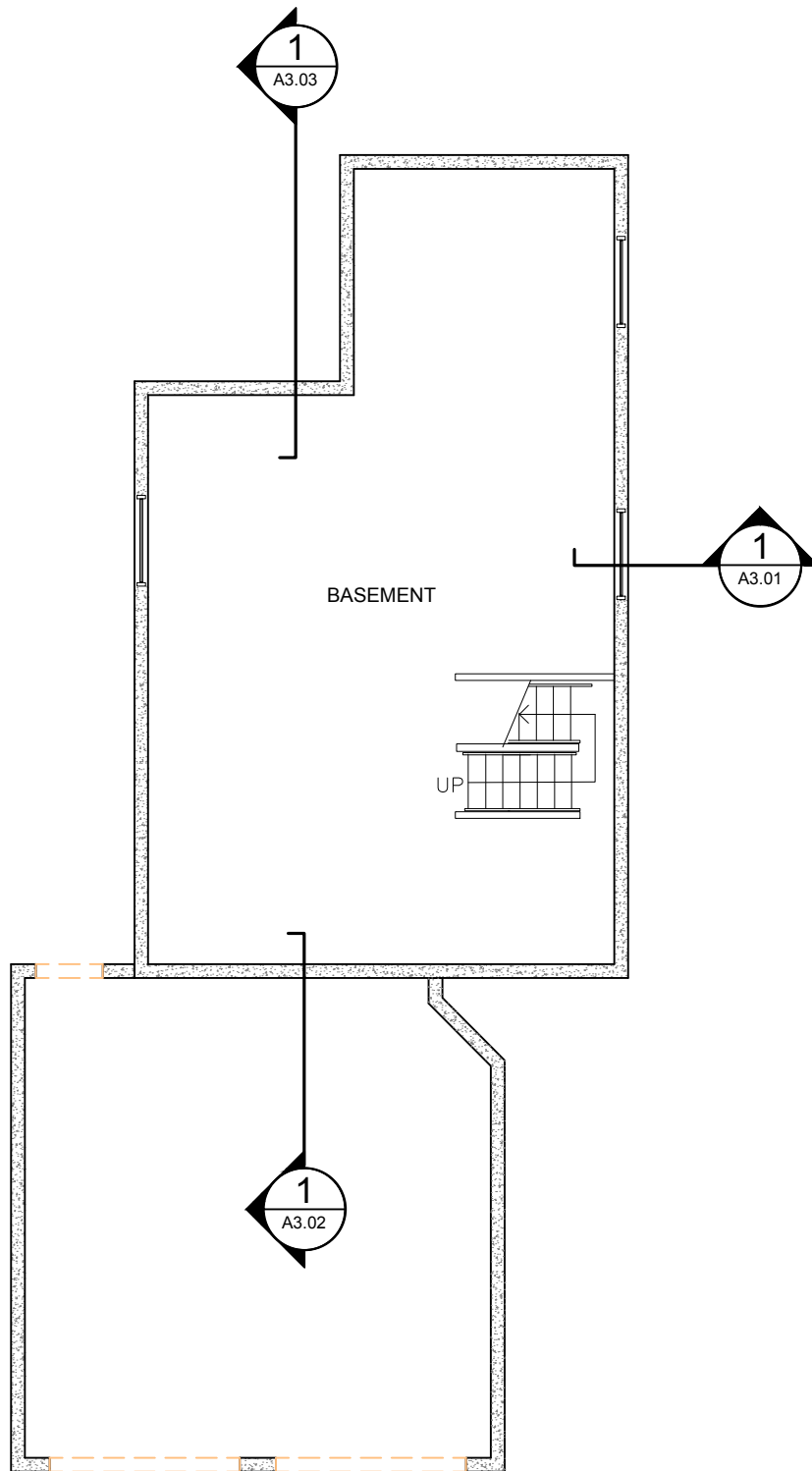


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Drawing No.: G0.01	Scale: 3"=1'-0"	Project No.: 5075007.00	Date: AUG '11	Design: PJR/MDL	Drawn: BKT	Reviewed: MDL
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# GENERIC BASF WALL DETAILS



## GENERIC BASEMENT & FOUNDATION PLAN

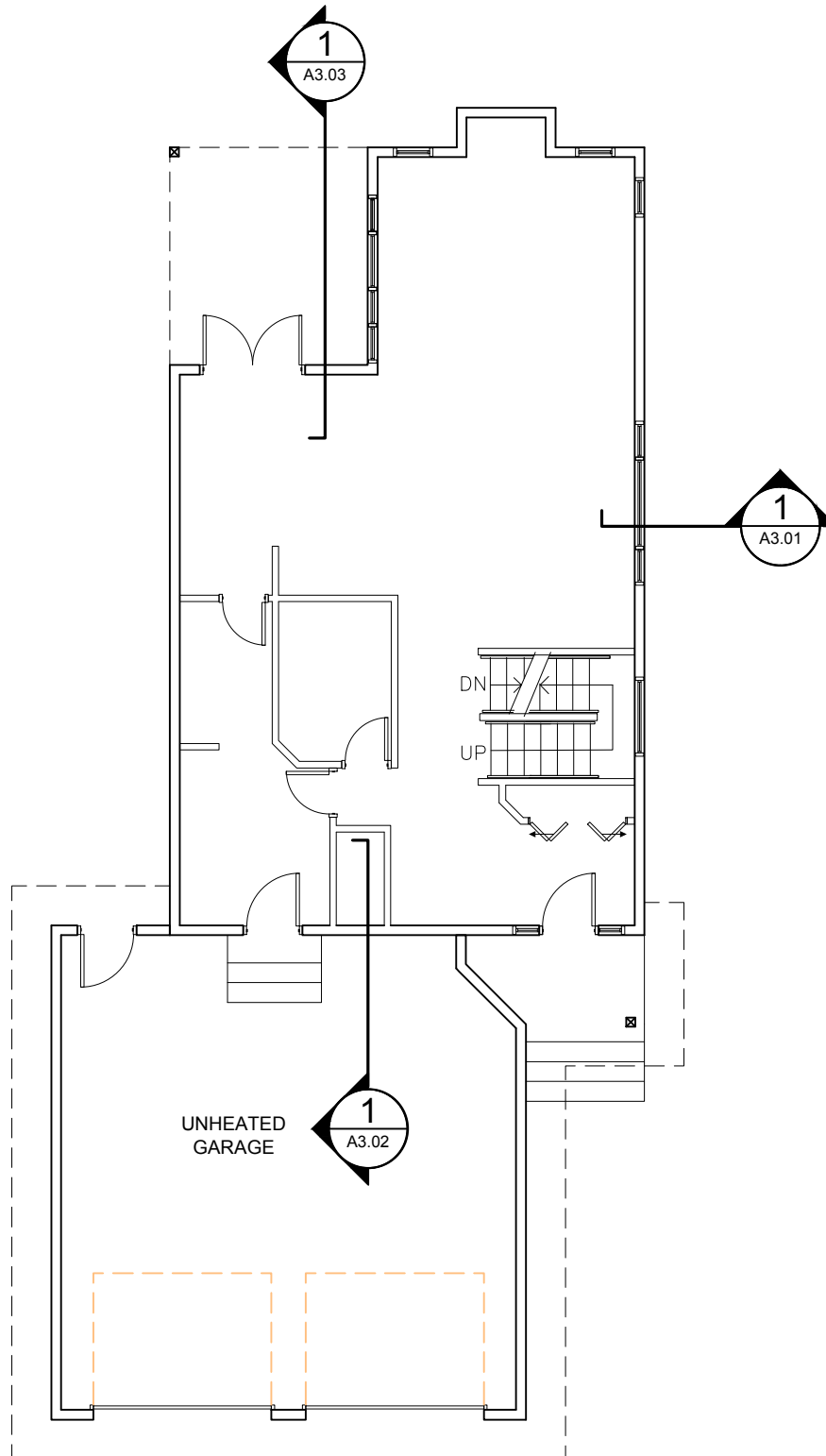


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Drawing No.: A1.01	Scale: N.T.S.	Project No.: 5075007.00	Date: AUG '11	Design: PJR/MDL	Drawn: BKT	Reviewed: MDL
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# GENERIC BASF WALL DETAILS



## GENERIC MAIN FLOOR PLAN

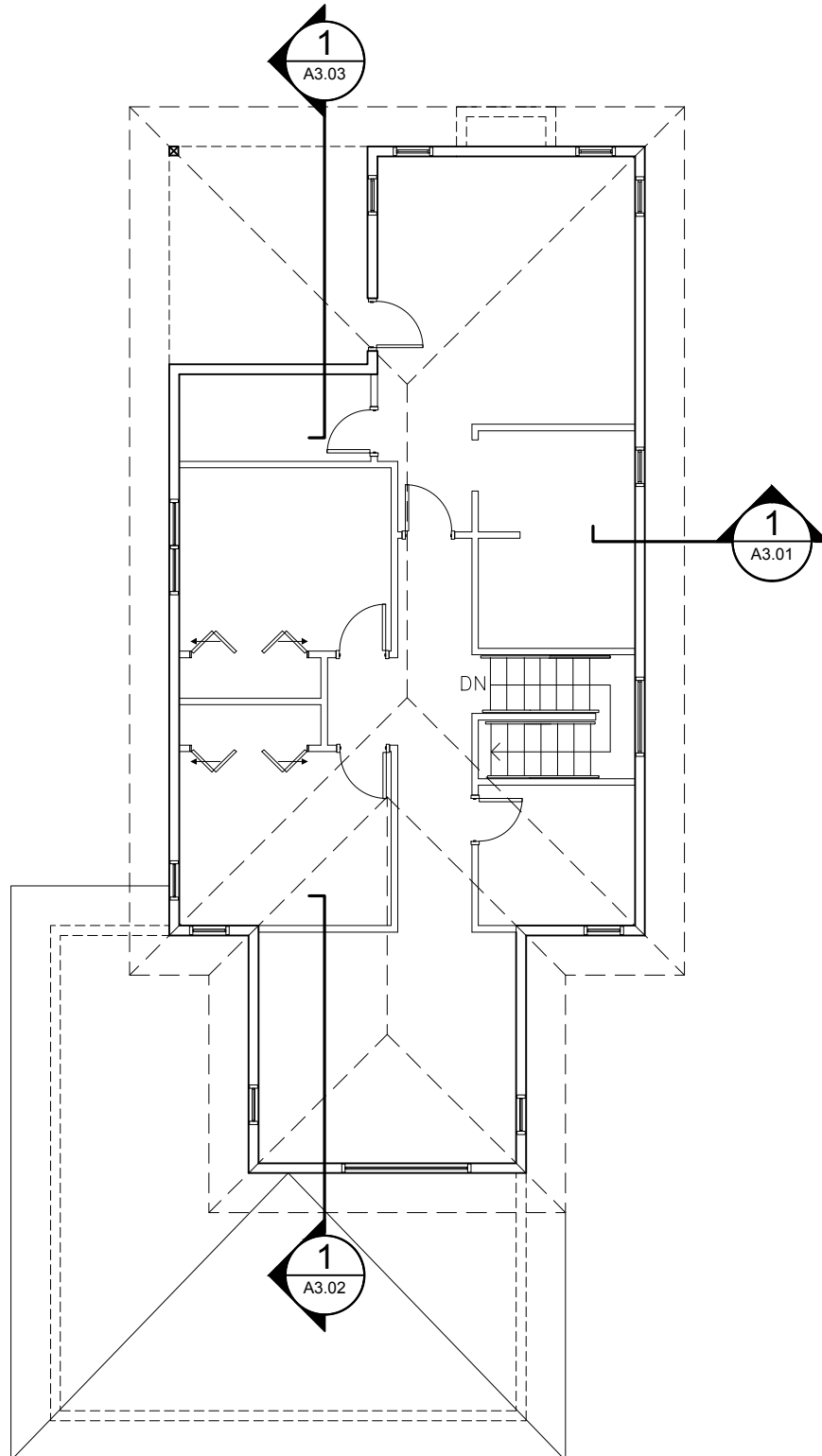


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# GENERIC BASF WALL DETAILS



## GENERIC SECOND FLOOR PLAN

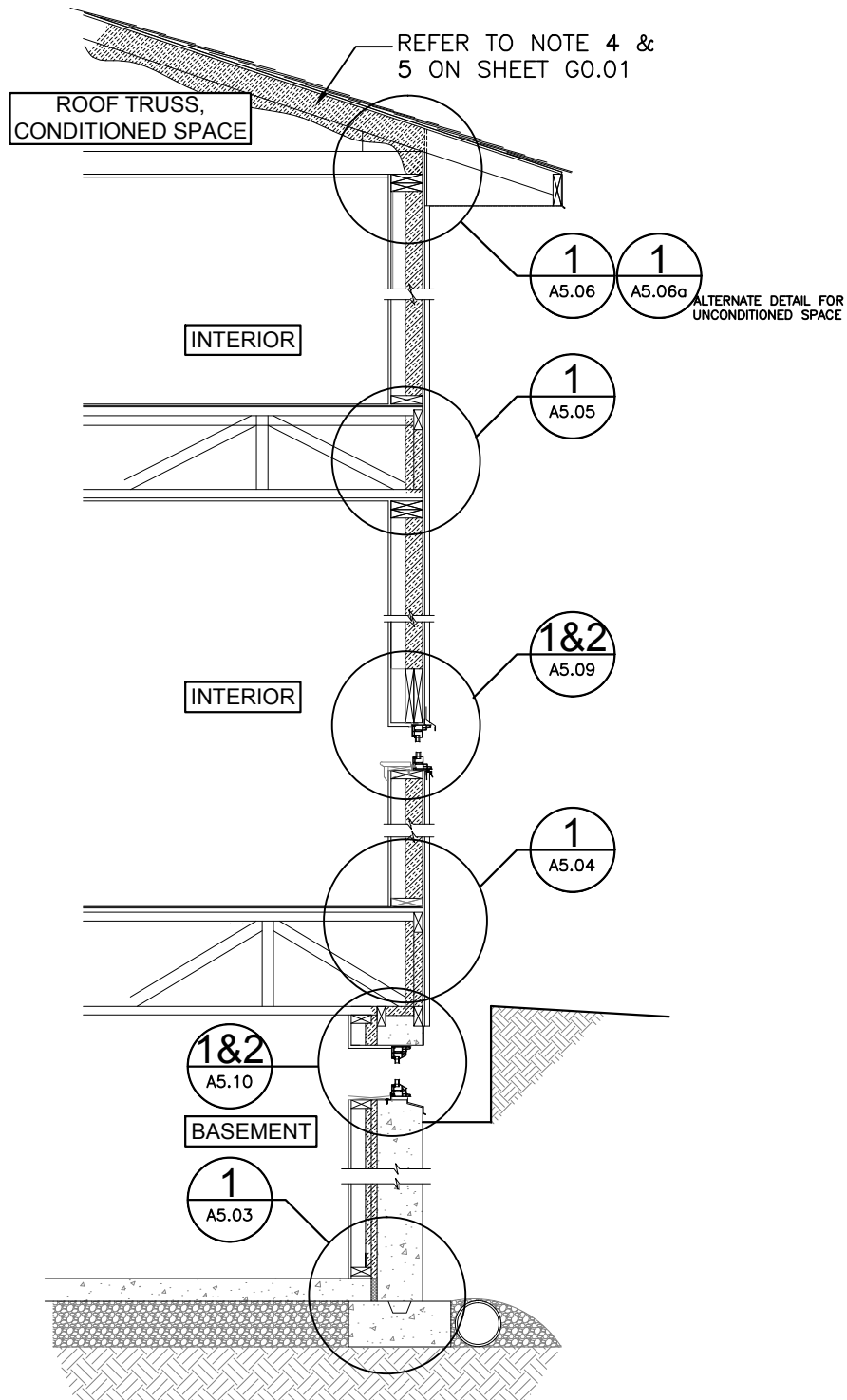


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# GENERIC BASF WALL DETAILS



## VERTICAL WALL SECTIONS

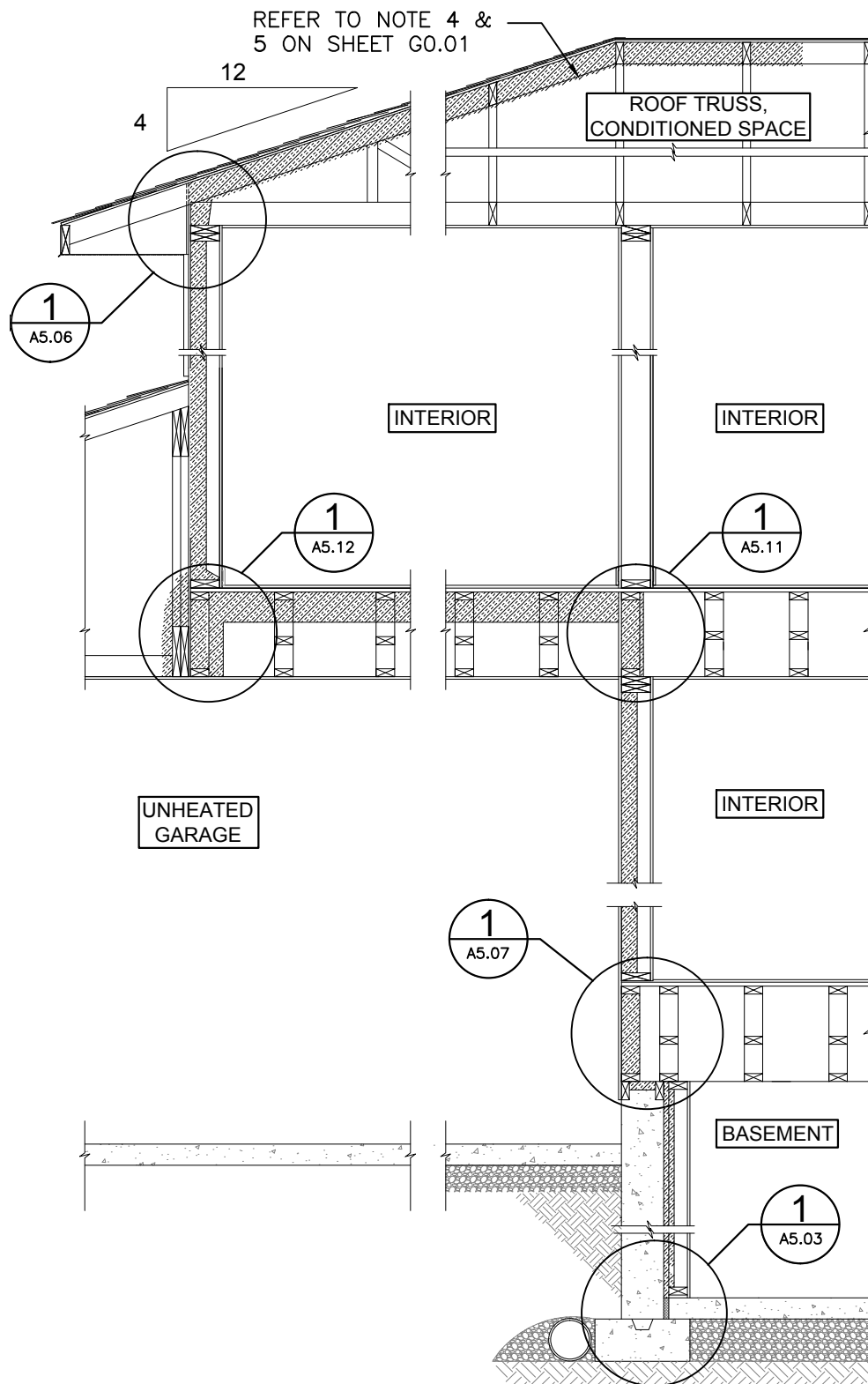


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# GENERIC BASF WALL DETAILS



PARTIAL BUILDING SECTION

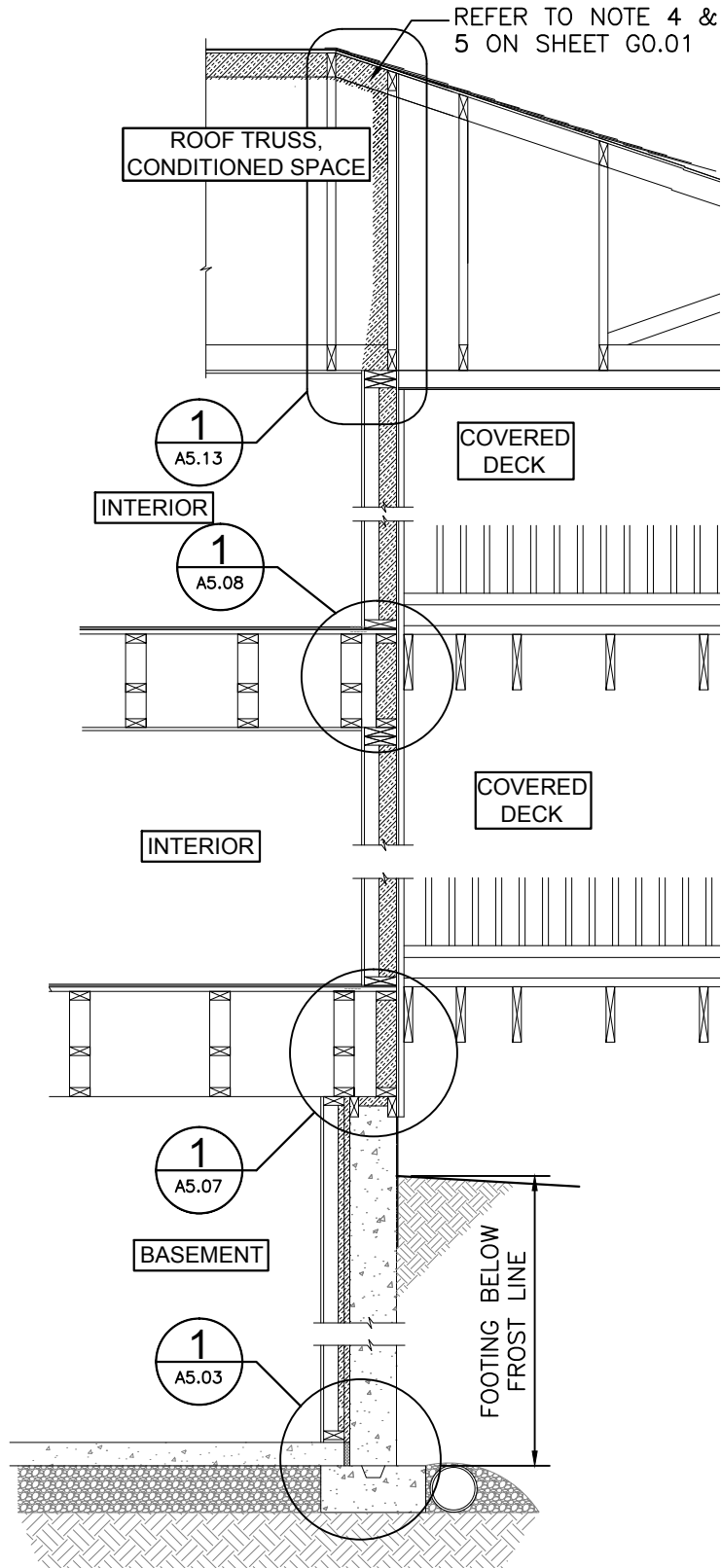


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# GENERIC BASF WALL DETAILS



PARTIAL BUILDING SECTION

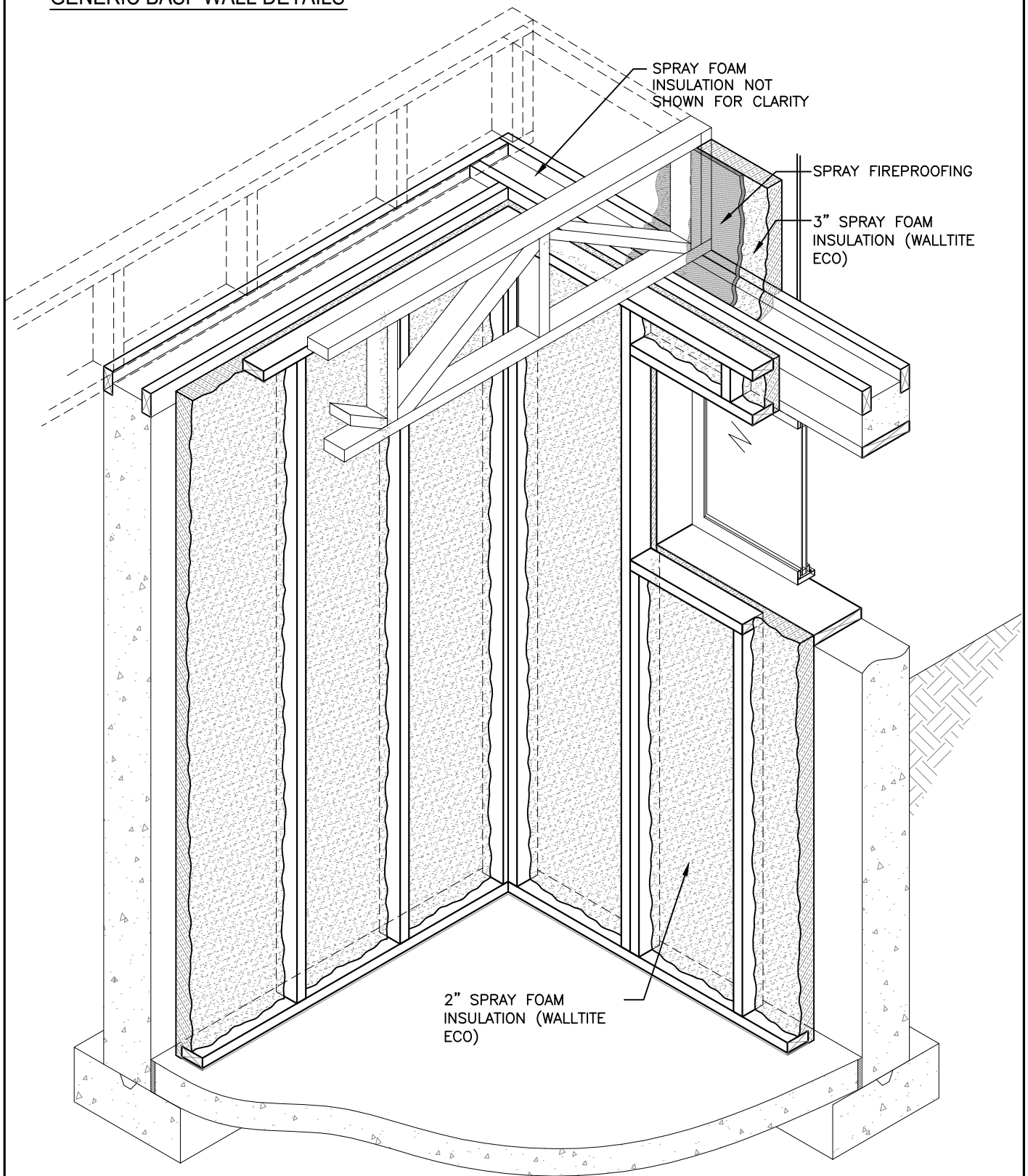


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# GENERIC BASF WALL DETAILS



ISOMETRIC OF BELOW GRADE WALL  
ASSEMBLY C/W WINDOW OPENING



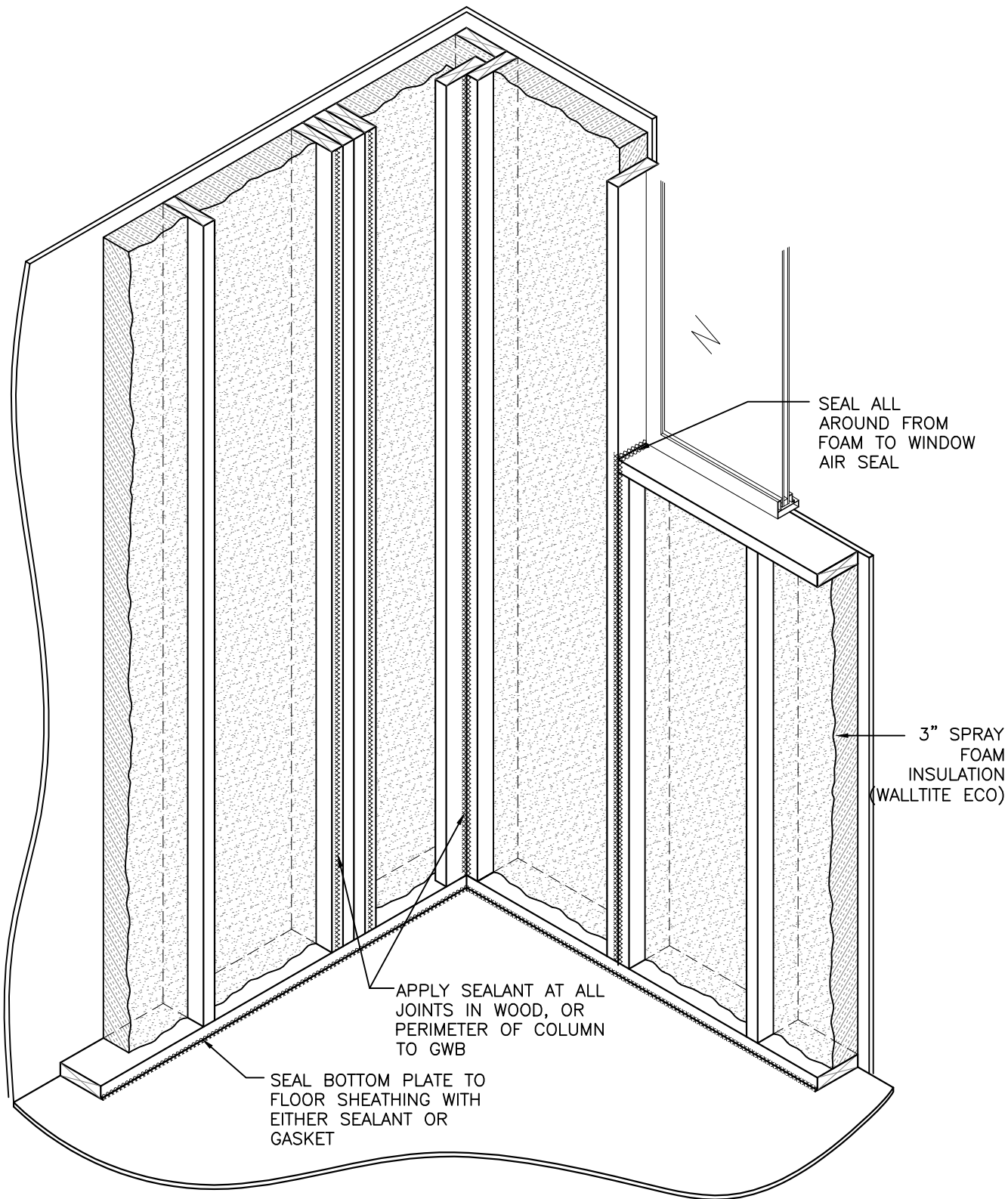
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# GENERIC BASF WALL DETAILS



ISOMETRIC OF TYPICAL WALL ASSEMBLY  
AT CORNER C/W WINDOW OPENING

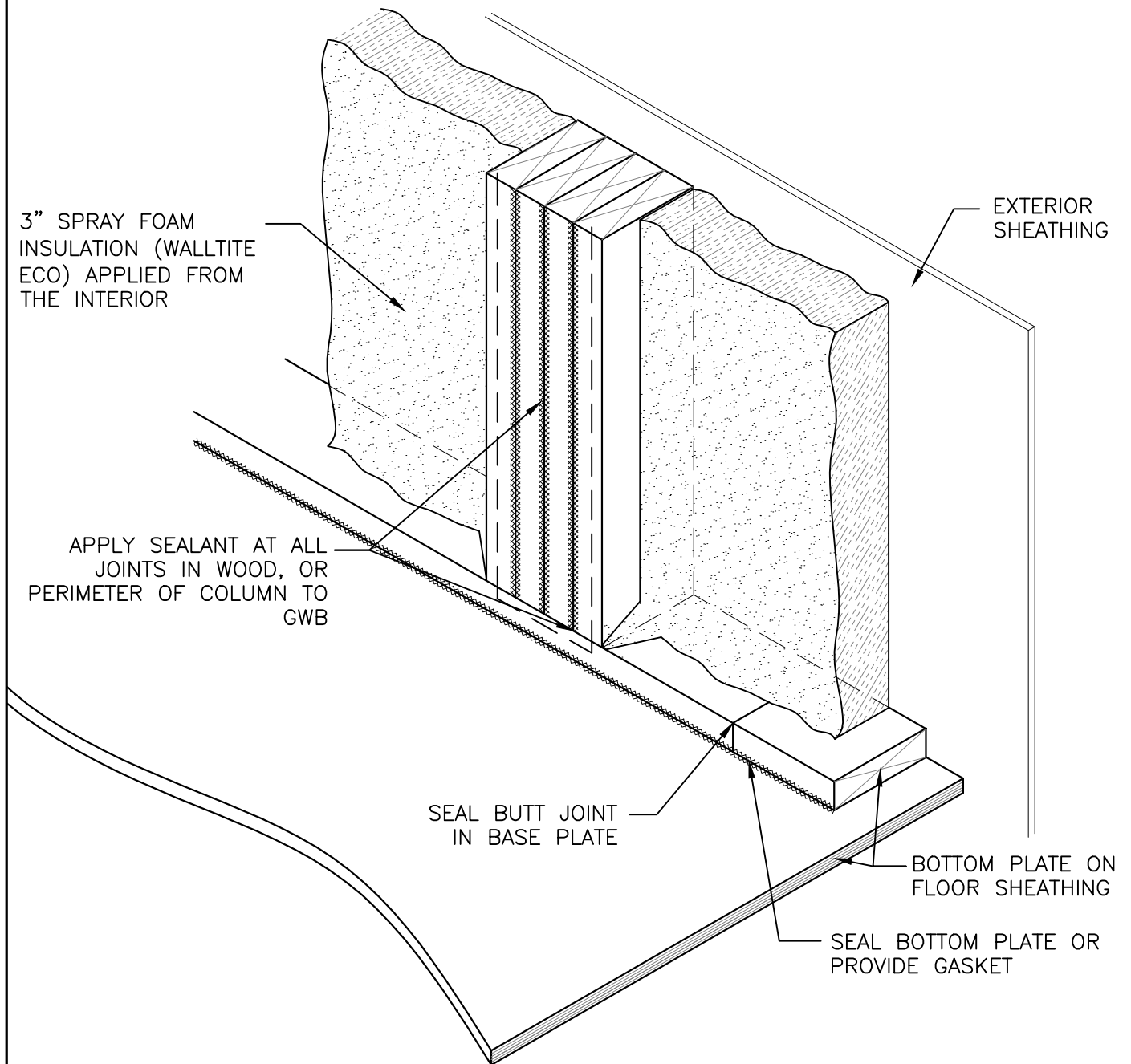


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# GENERIC BASF WALL DETAILS



ISOMETRIC OF BUILT-UP COLUMN  
TYPICAL JOINT & SEAM DETAILS

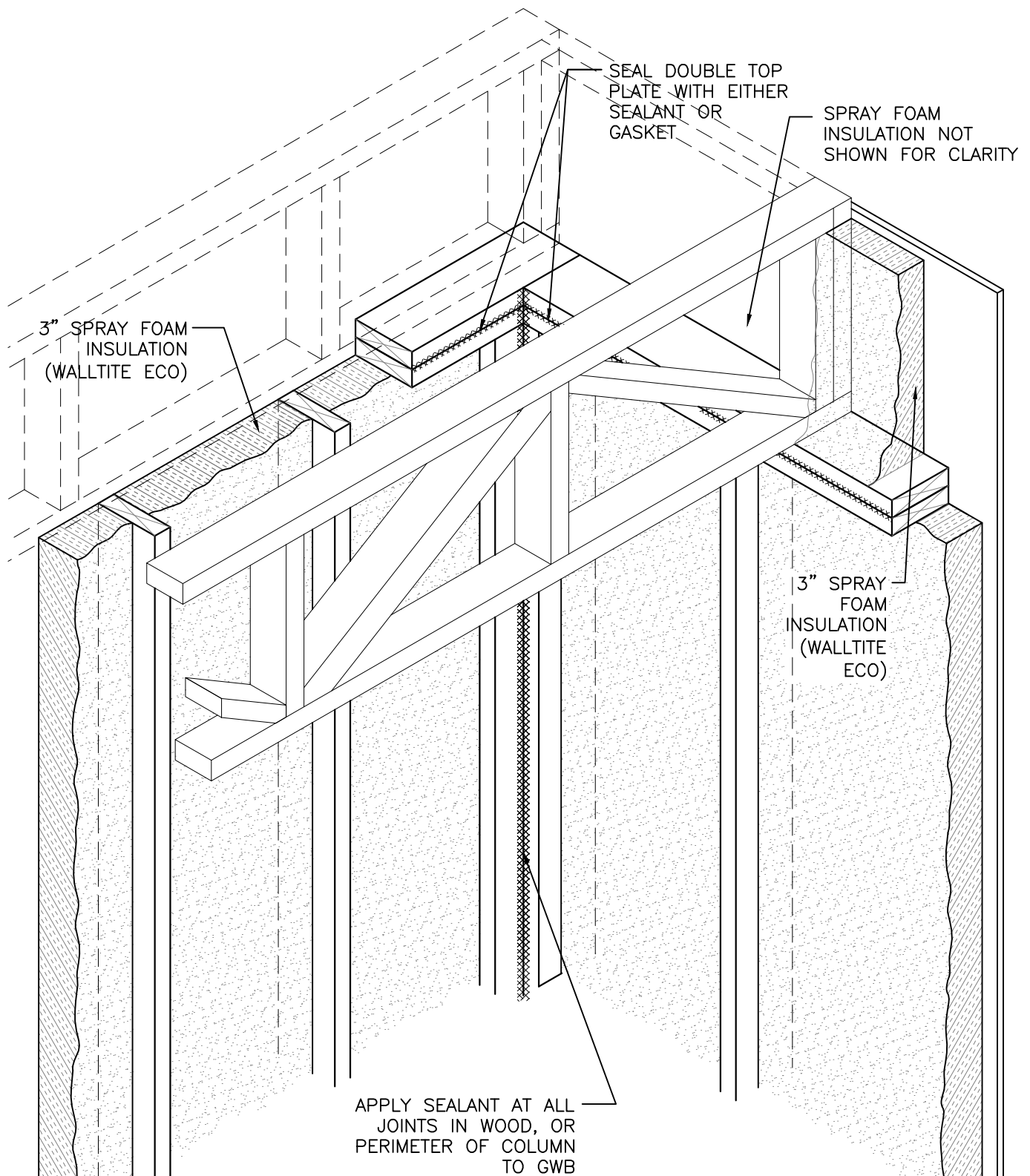


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# GENERIC BASF WALL DETAILS



## ISOMETRIC OF SEALANT AT DOUBLE TOP PLATE

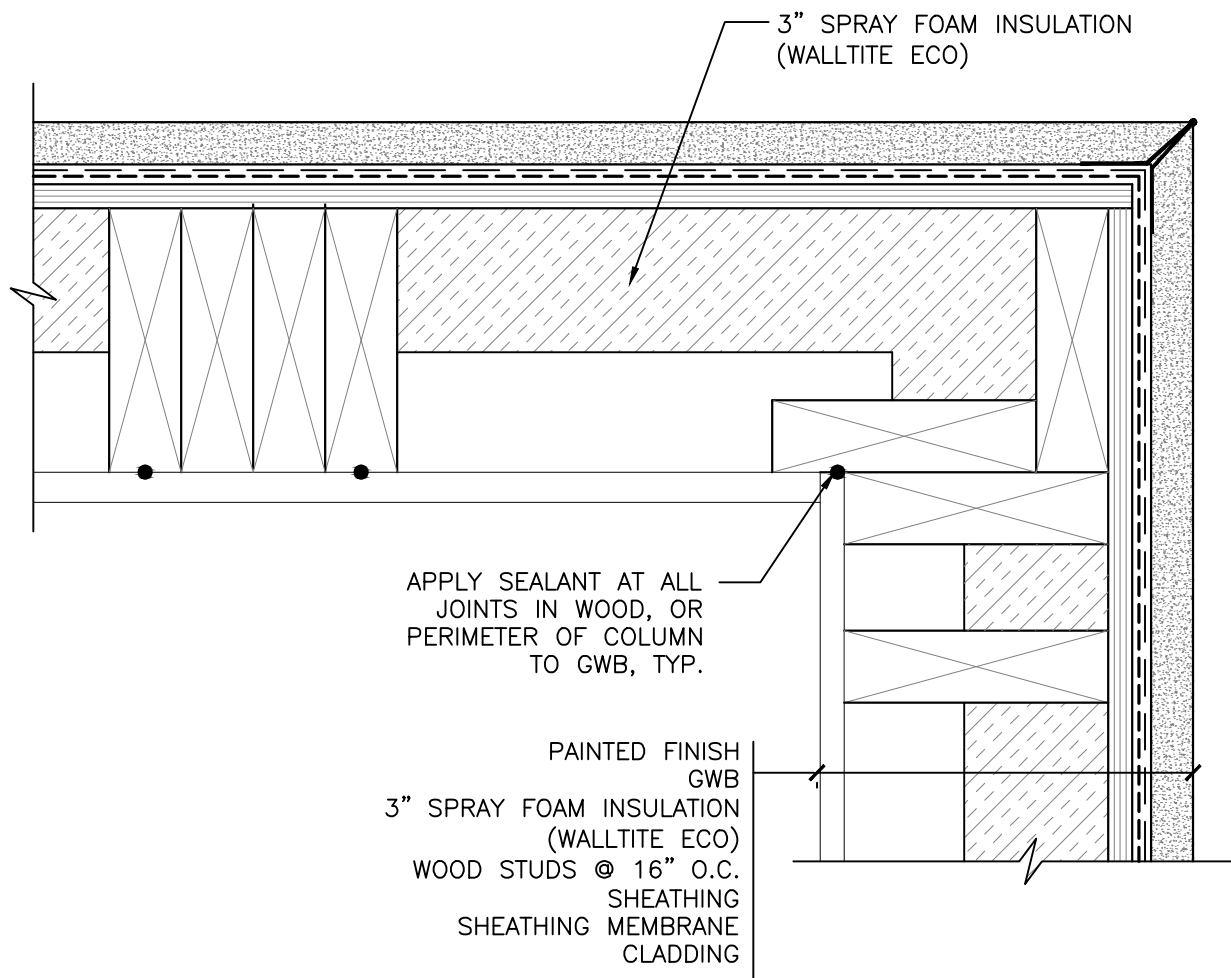


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# GENERIC BASF WALL DETAILS



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

PLAN - OUTSIDE CORNER AND BUILT-UP COLUMN

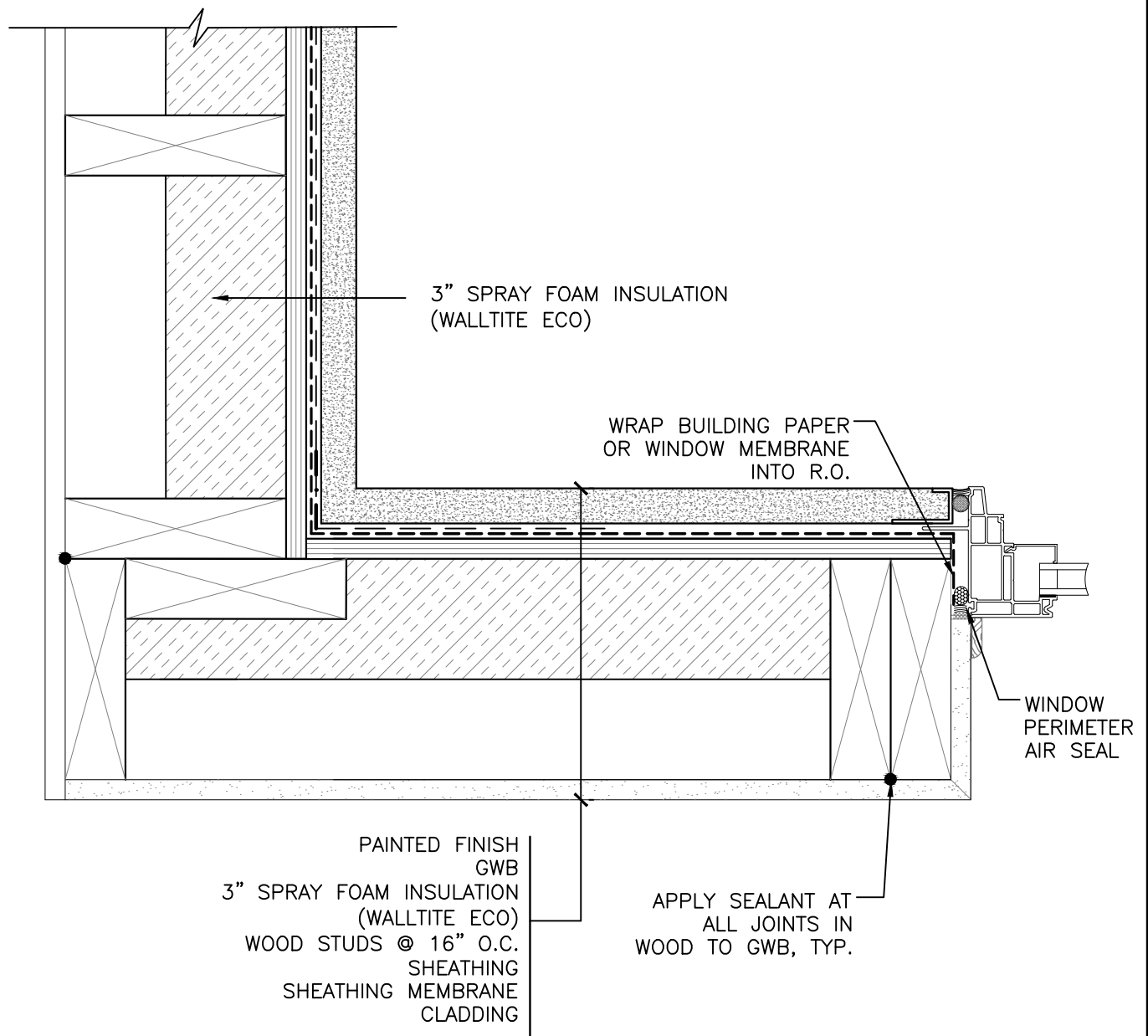


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Drawing No.: A5.01	Scale: 3"=1'-0"	Project No.: 5075007.00	Date: AUG '11	Design: PJR/MDL	Drawn: BKT	Reviewed: MDL
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# GENERIC BASF WALL DETAILS



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

PLAN - INSIDE CORNER AND WINDOW JAMB DETAILS

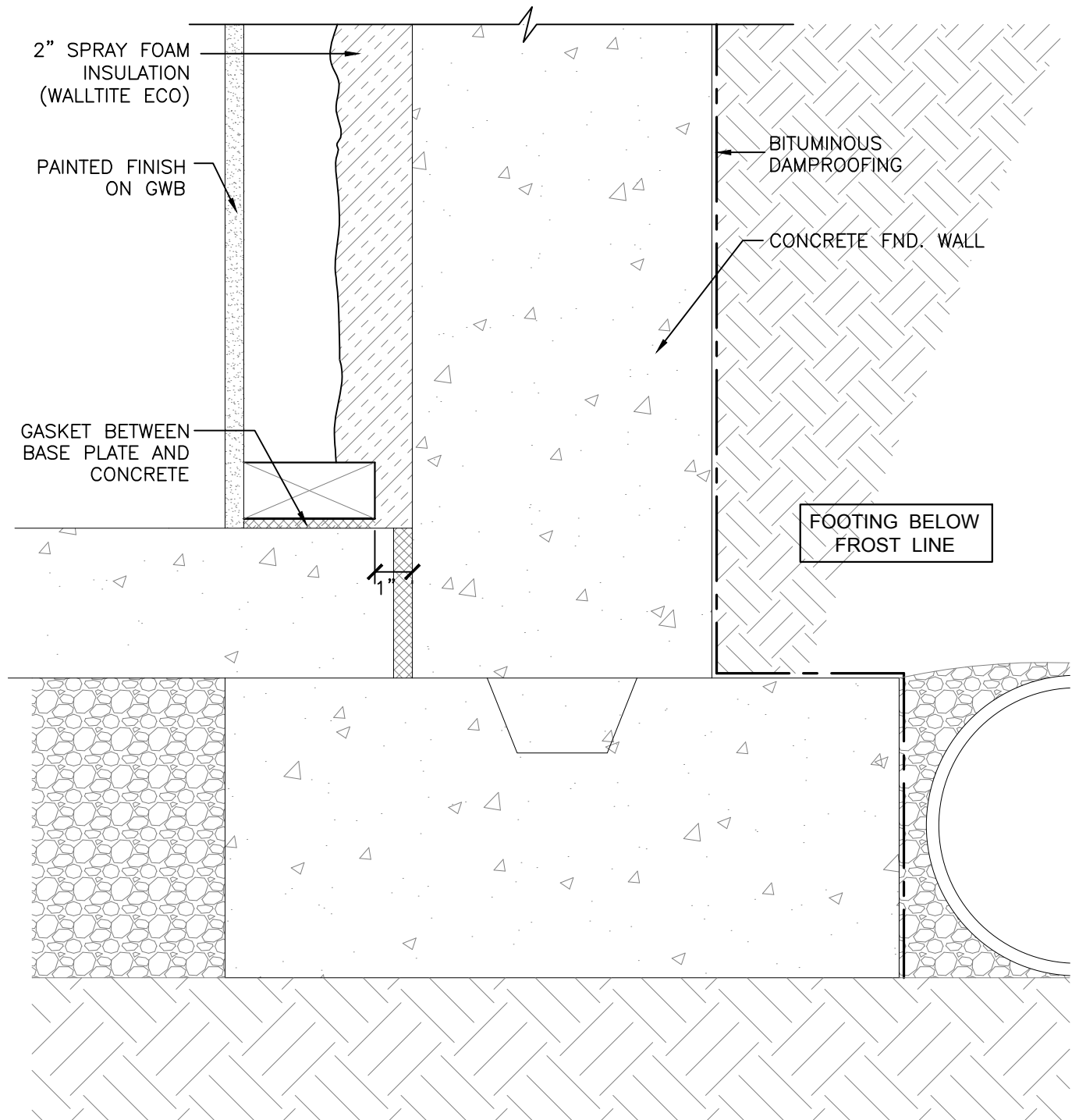


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## GENERIC BASF WALL DETAILS



**1** FOUNDATION BASE OF WALL DETAIL  
SCALE: 3"=1'-0"

FOUNDATION WALL AT FOOTING



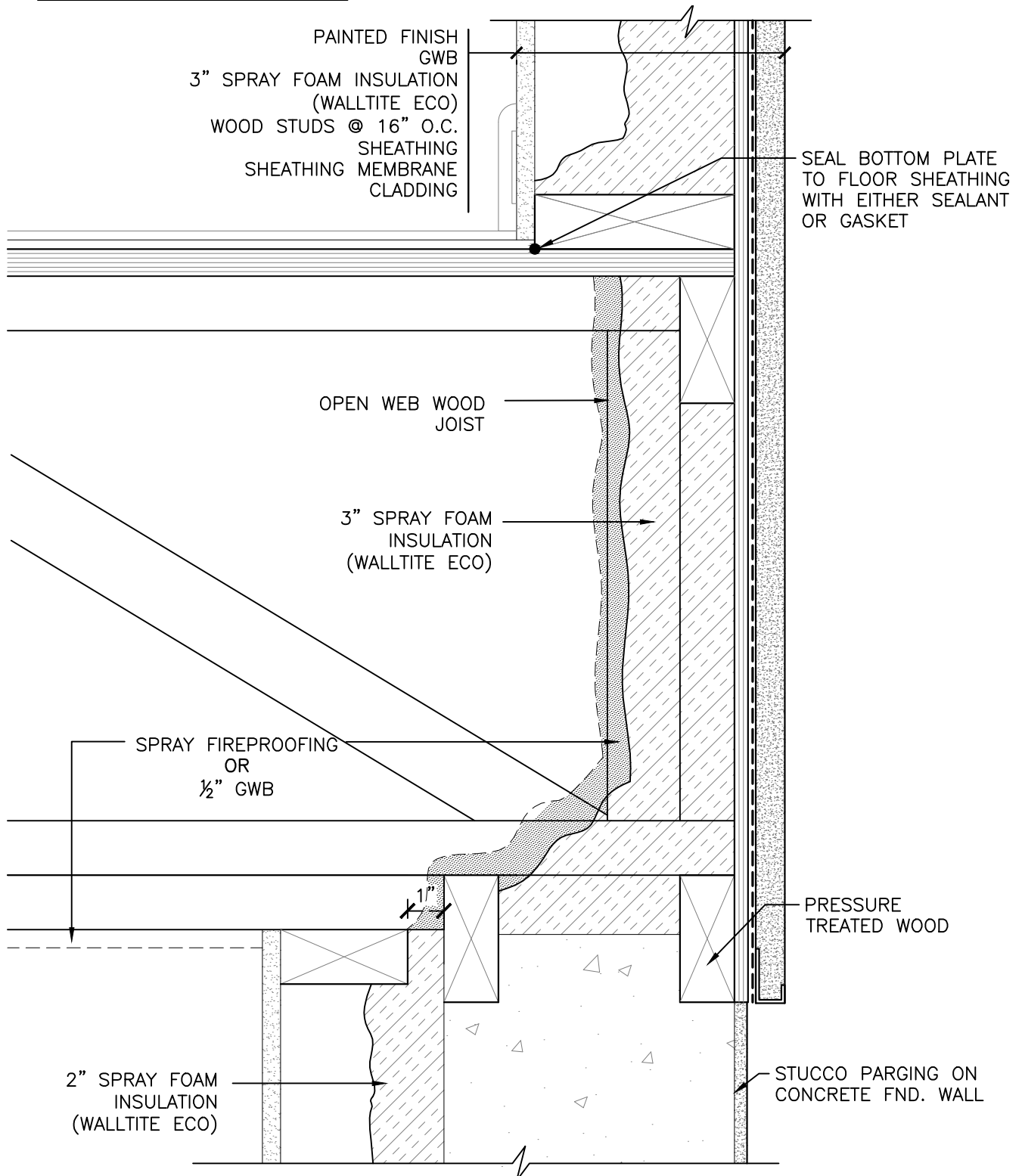
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# GENERIC BASF WALL DETAILS



1

T.O. FOUNDATION WALL  
FLOOR TRUSSES PERPENDICULAR

SCALE: 3"=1'-0"

PERPENDICULAR TRUSS AT TOP OF  
FOUNDATION WALL

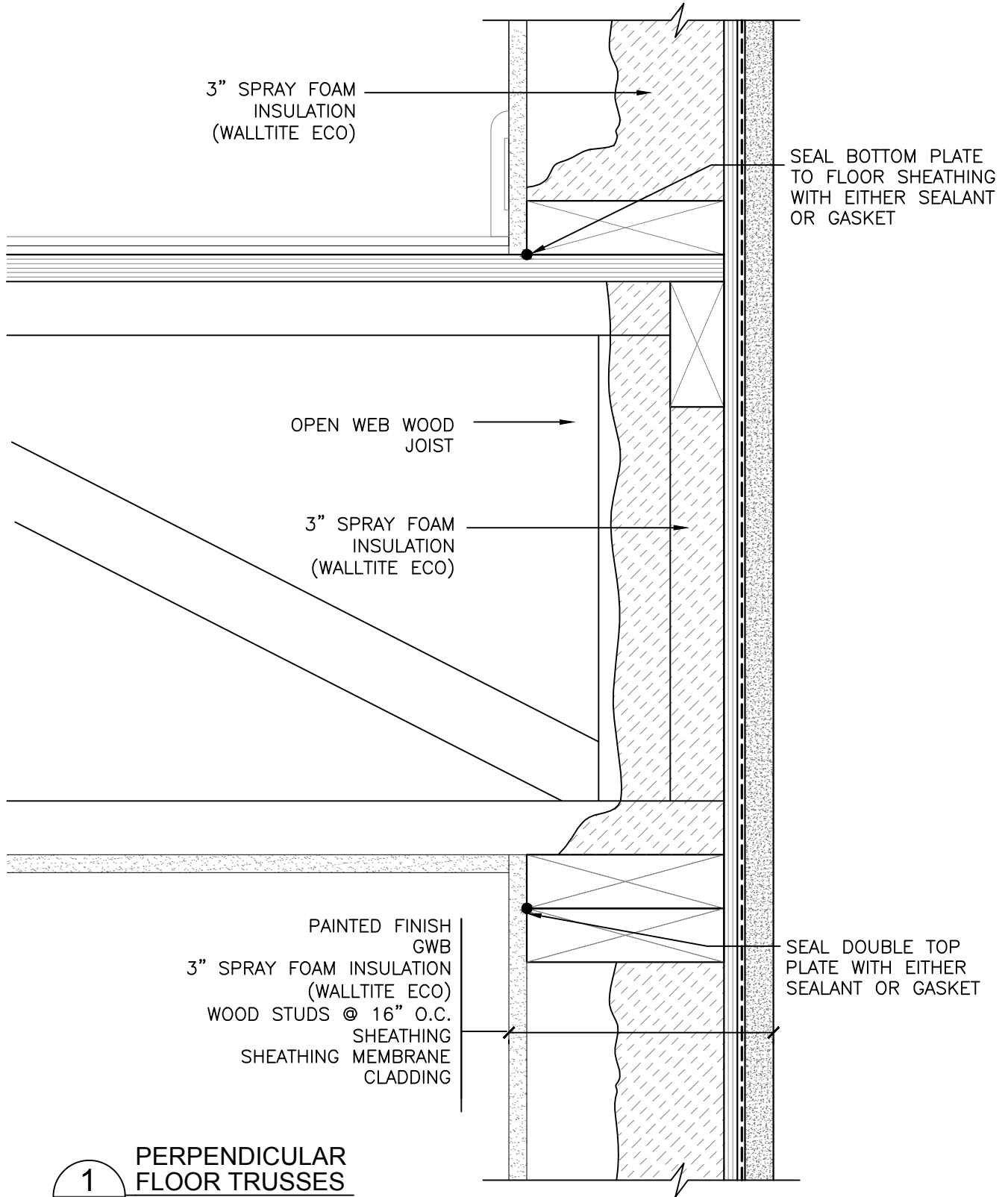


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# GENERIC BASF WALL DETAILS



PERPENDICULAR FLOOR TRUSS  
SECOND FLOOR



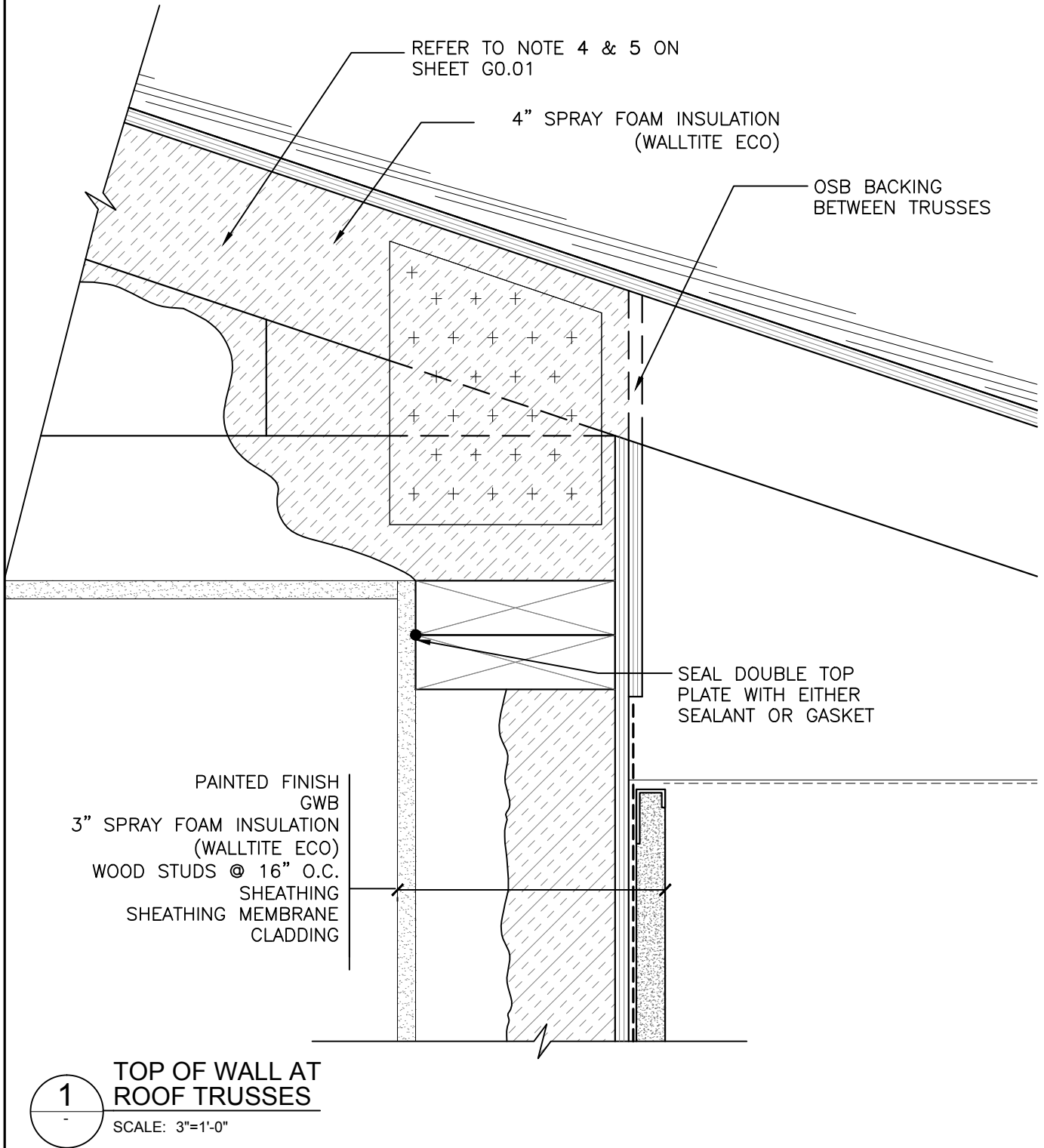
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# GENERIC BASF WALL DETAILS



TOP OF WALL AT ROOF TRUSS

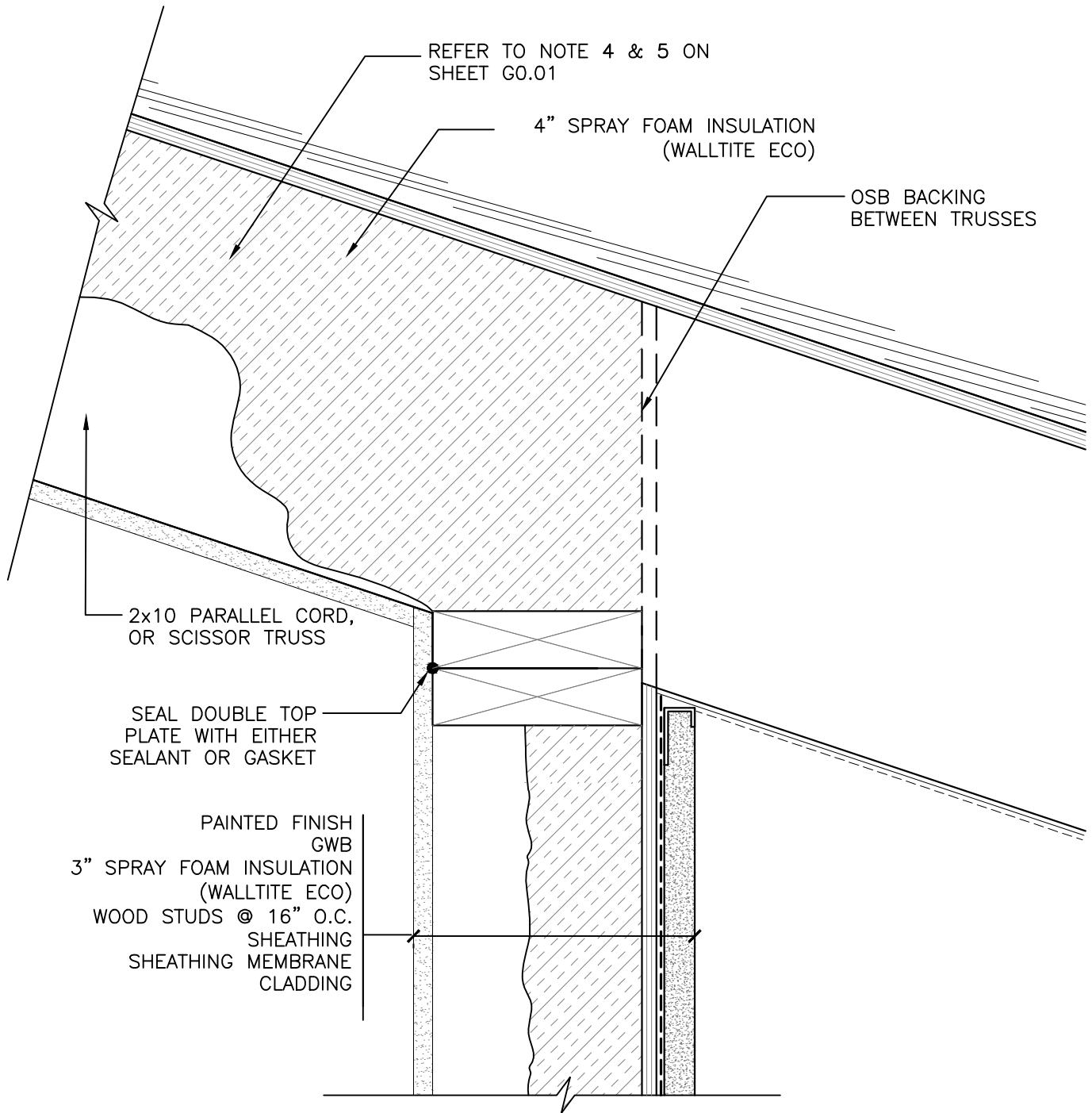


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Drawing No.: A5.06	Scale: 3"=1'-0"	Project No.: 5075007.00	Date: AUG '11	Design: PJR/MDL	Drawn: BKT	Reviewed: MDL
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# GENERIC BASF WALL DETAILS



1  
-  
TOP OF WALL AT  
VAULTED CEILING  
SCALE: 3"=1'-0"

ALTERNATE DETAIL - TOP OF WALL  
AT VAULTED CEILING

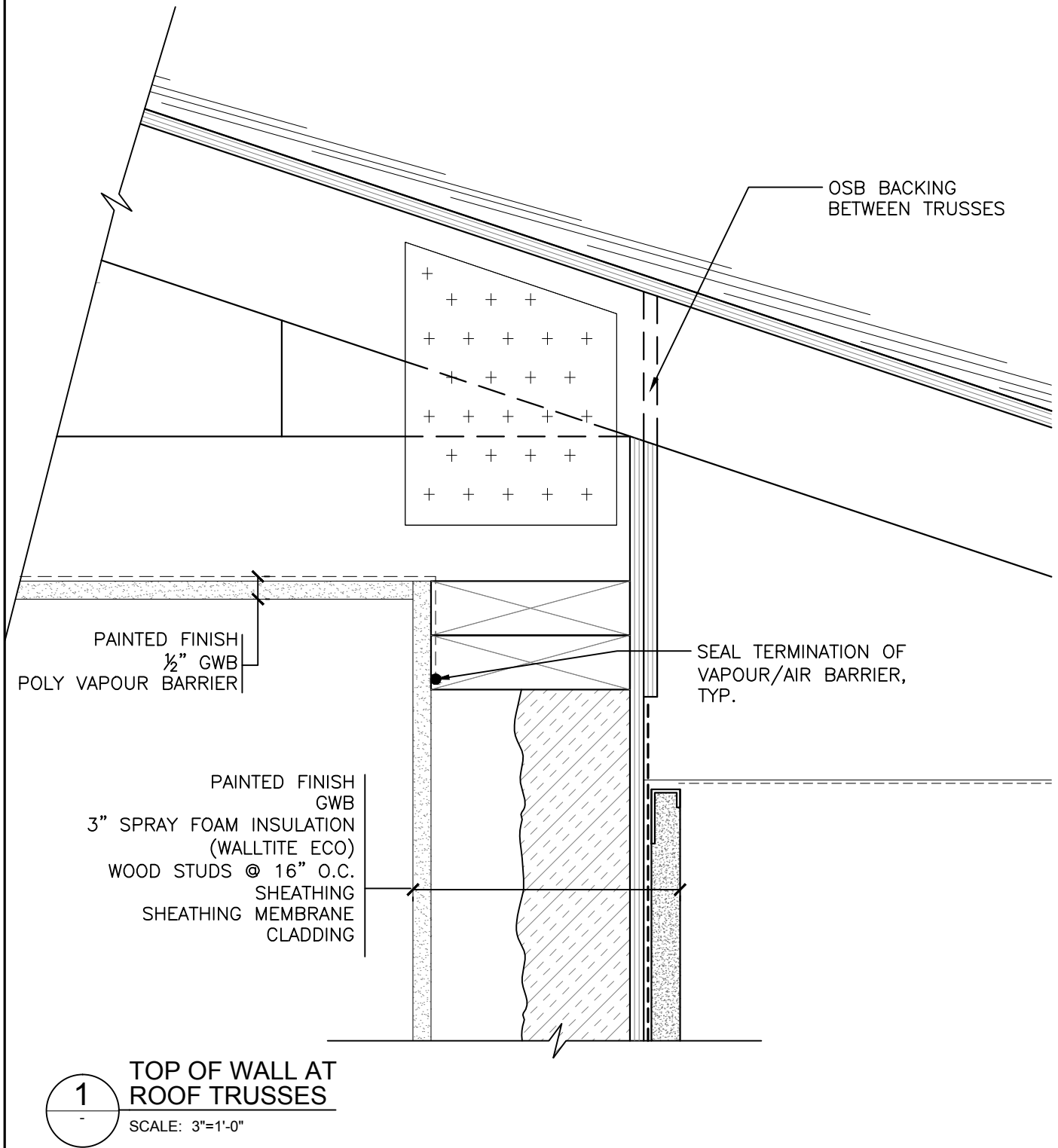


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Drawing No.: A5.06.1	Scale: 3"=1'-0"	Project No.: 5075007.00	Date: AUG '11	Design: PJR/MDL	Drawn: BKT	Reviewed: MDL
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# GENERIC BASF WALL DETAILS



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

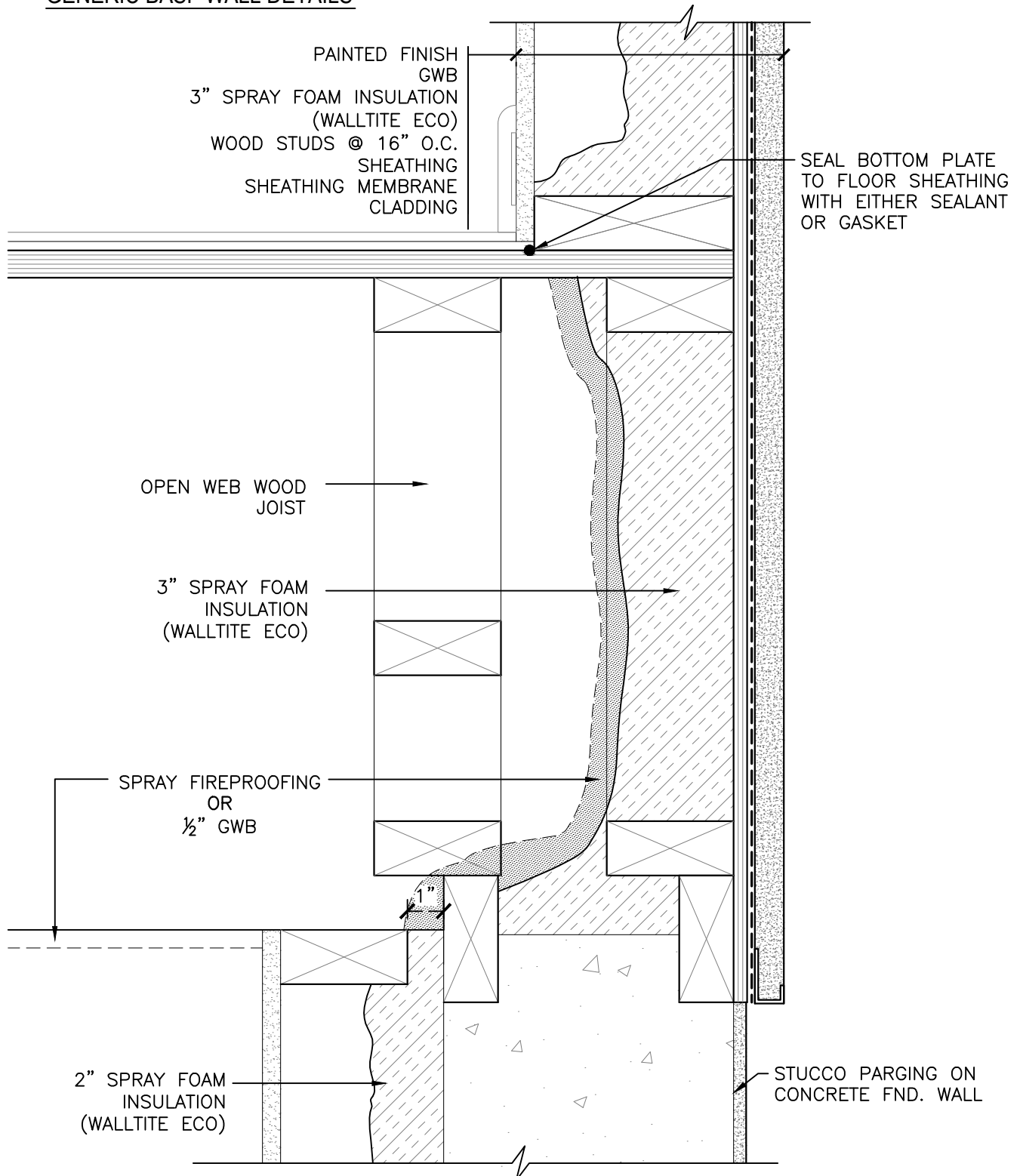


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Drawing No.: A5.06a	Scale: 3"=1'-0"	Project No.: 5075007.00	Date: AUG '11	Design: PJR/MDL	Drawn: BKT	Reviewed: MDL
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# GENERIC BASF WALL DETAILS



1

T.O. FOUNDATION WALL  
FLOOR TRUSSES PARALLEL

SCALE: 3"=1'-0"

PARALLEL TRUSS AT TOP OF  
FOUNDATION WALL

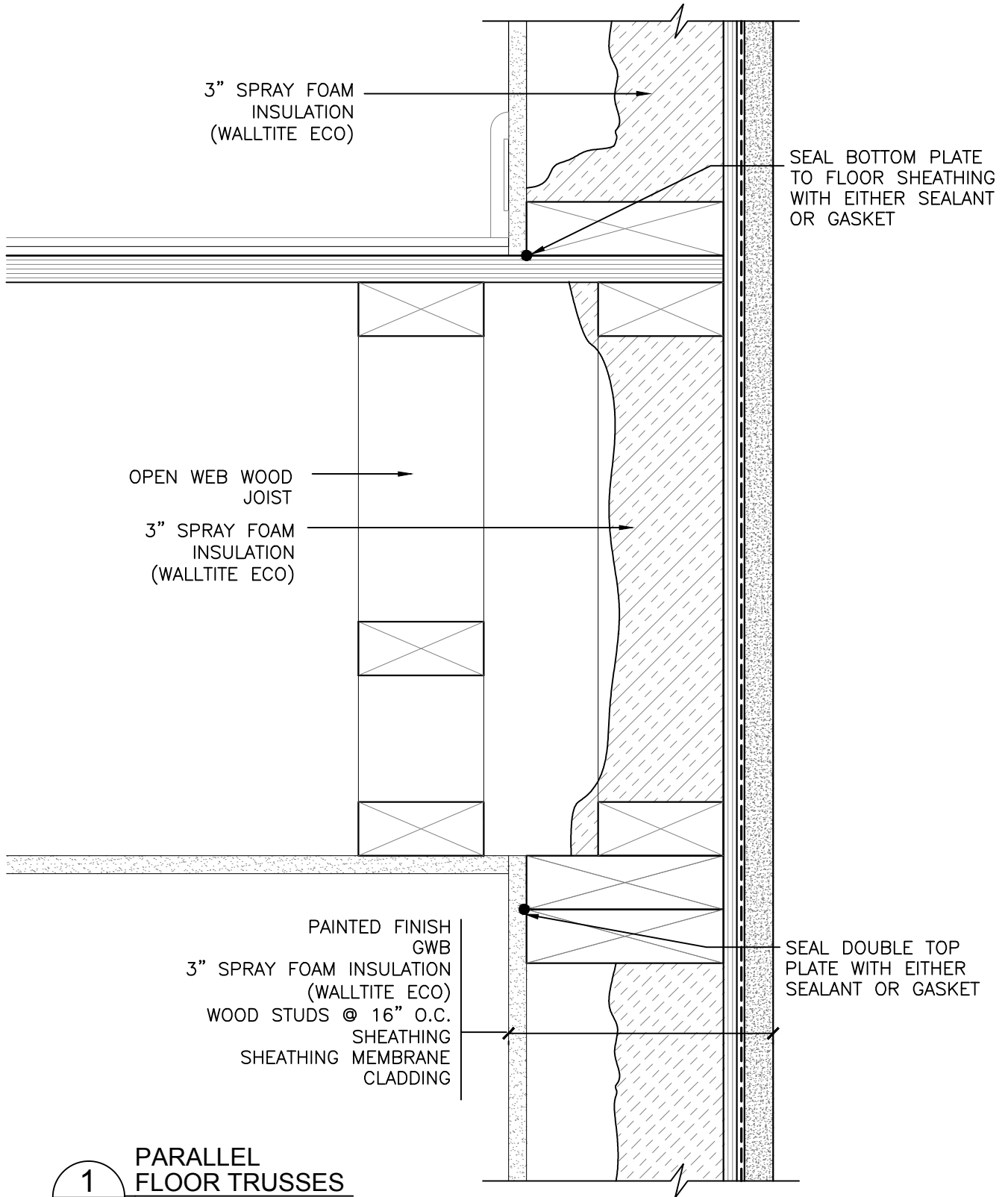


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# GENERIC BASF WALL DETAILS



1

PARALLEL  
FLOOR TRUSSES

SCALE: 3"=1'-0"

PARALLEL FLOOR TRUSS  
SECOND FLOOR



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# GENERIC BASF WALL DETAILS

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"

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"

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

SEAL ALL AROUND  
FROM FOAM TO  
WINDOW AIR SEAL

**A** SILL  
ISOMETRIC  
SCALE: N.T.S.

## WINDOW HEAD & SILL DETAILS

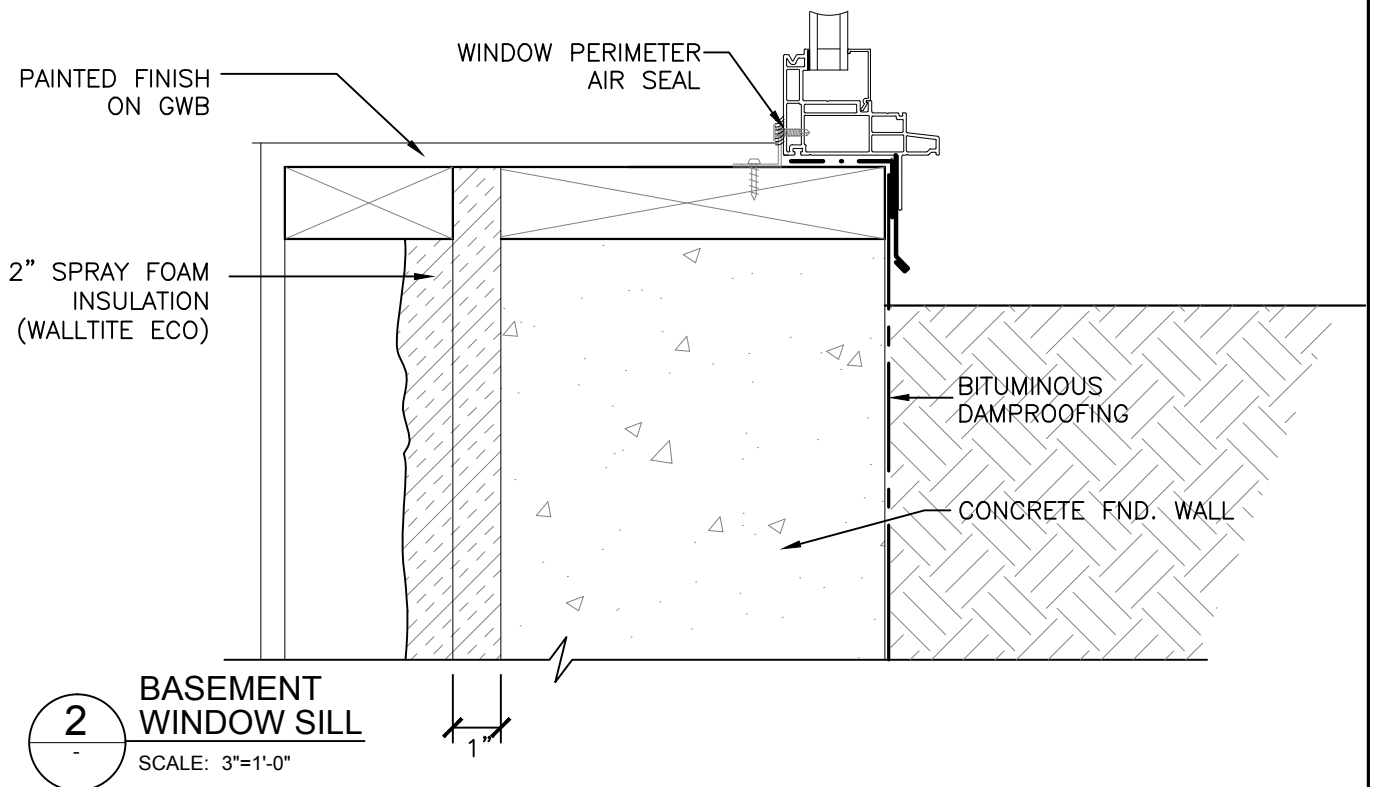
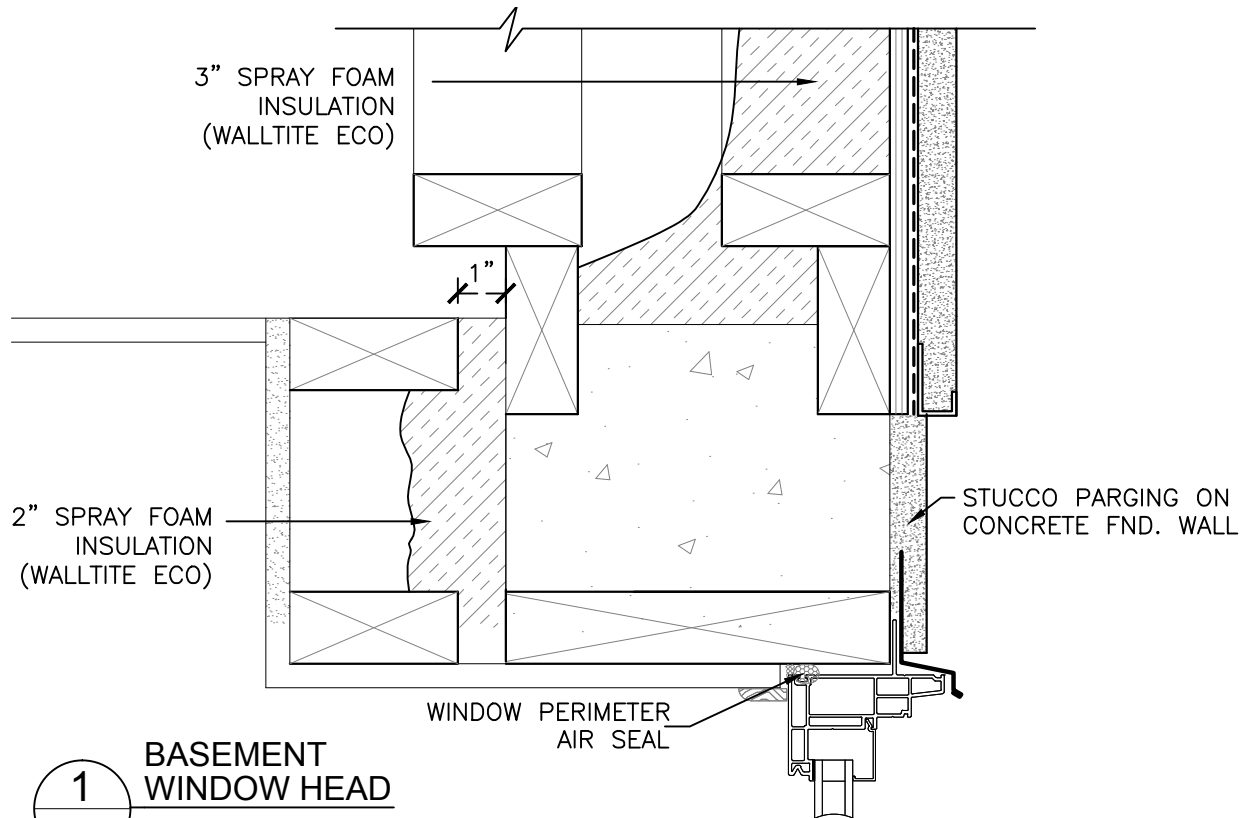


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## GENERIC BASF WALL DETAILS



## BASEMENT WINDOW HEAD & SILL DETAILS

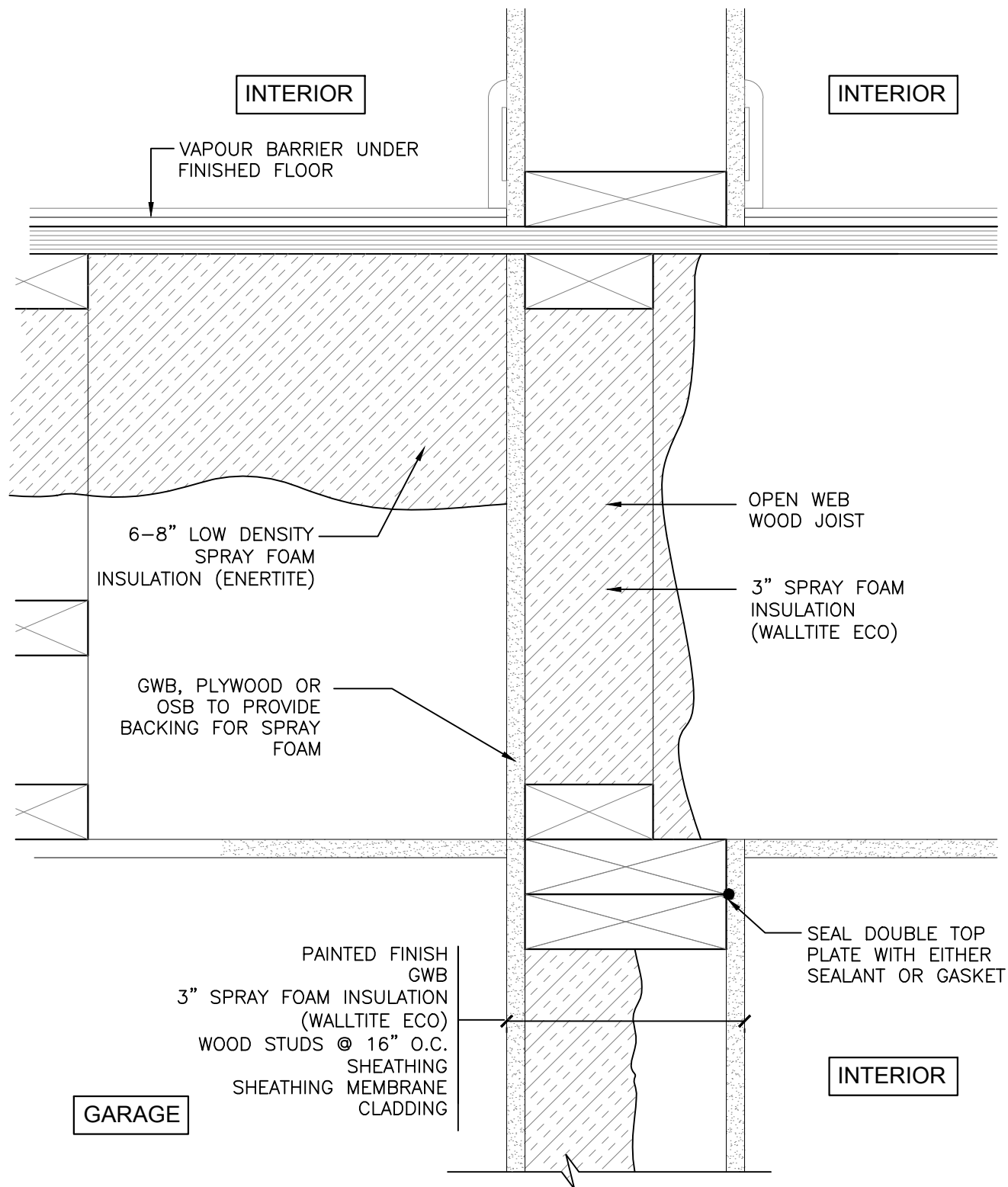


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# GENERIC BASF WALL DETAILS



## GARAGE WALL TO FLOOR



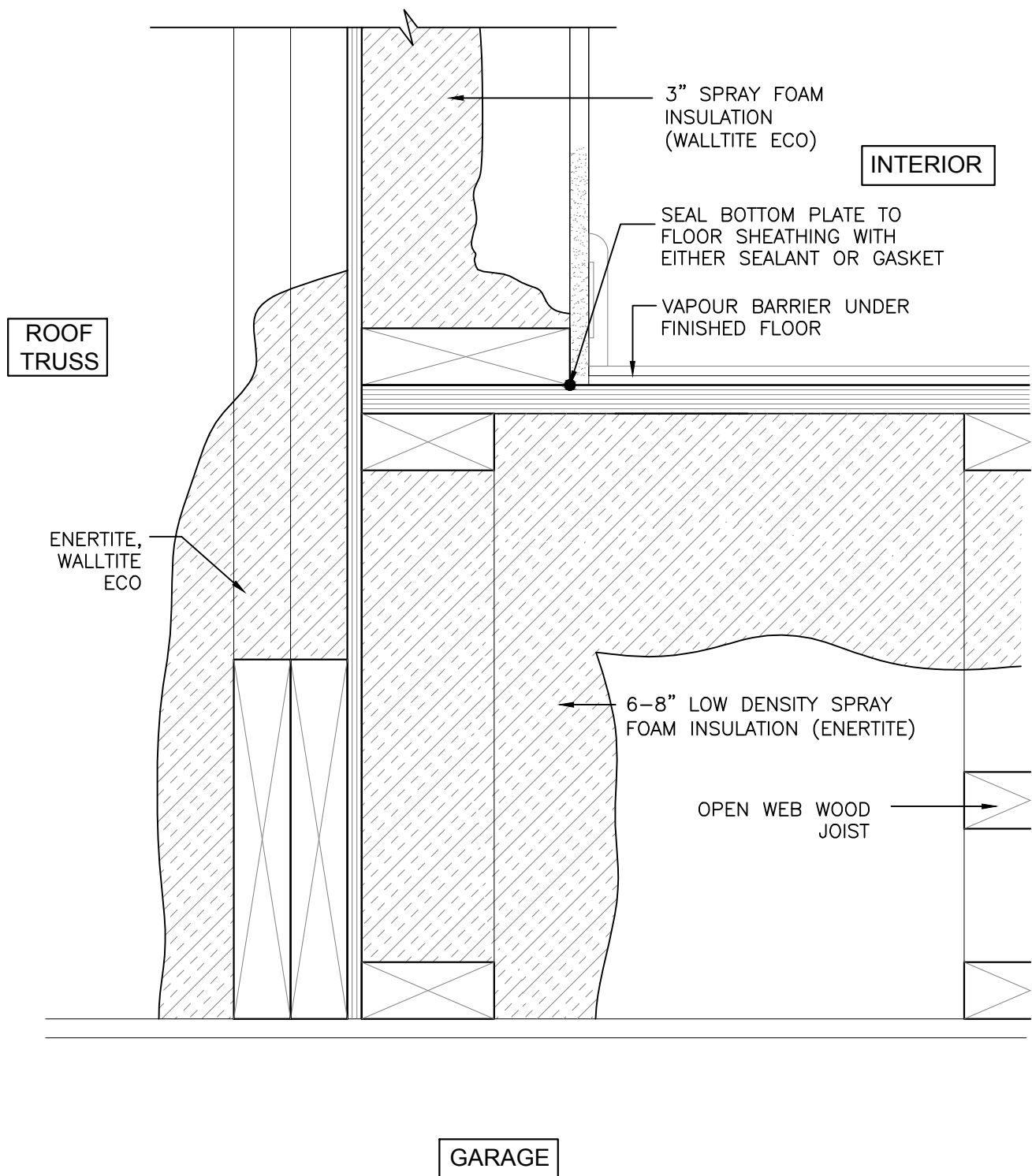
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Drawing No.: A5.11	Scale: 3"=1'-0"	Project No.: 5075007.00	Date: AUG '11	Design: PJR/MDL	Drawn: BKT	Reviewed: MDL
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# GENERIC BASF WALL DETAILS



GARAGE CEILING TO ROOF TRUSS / WALL

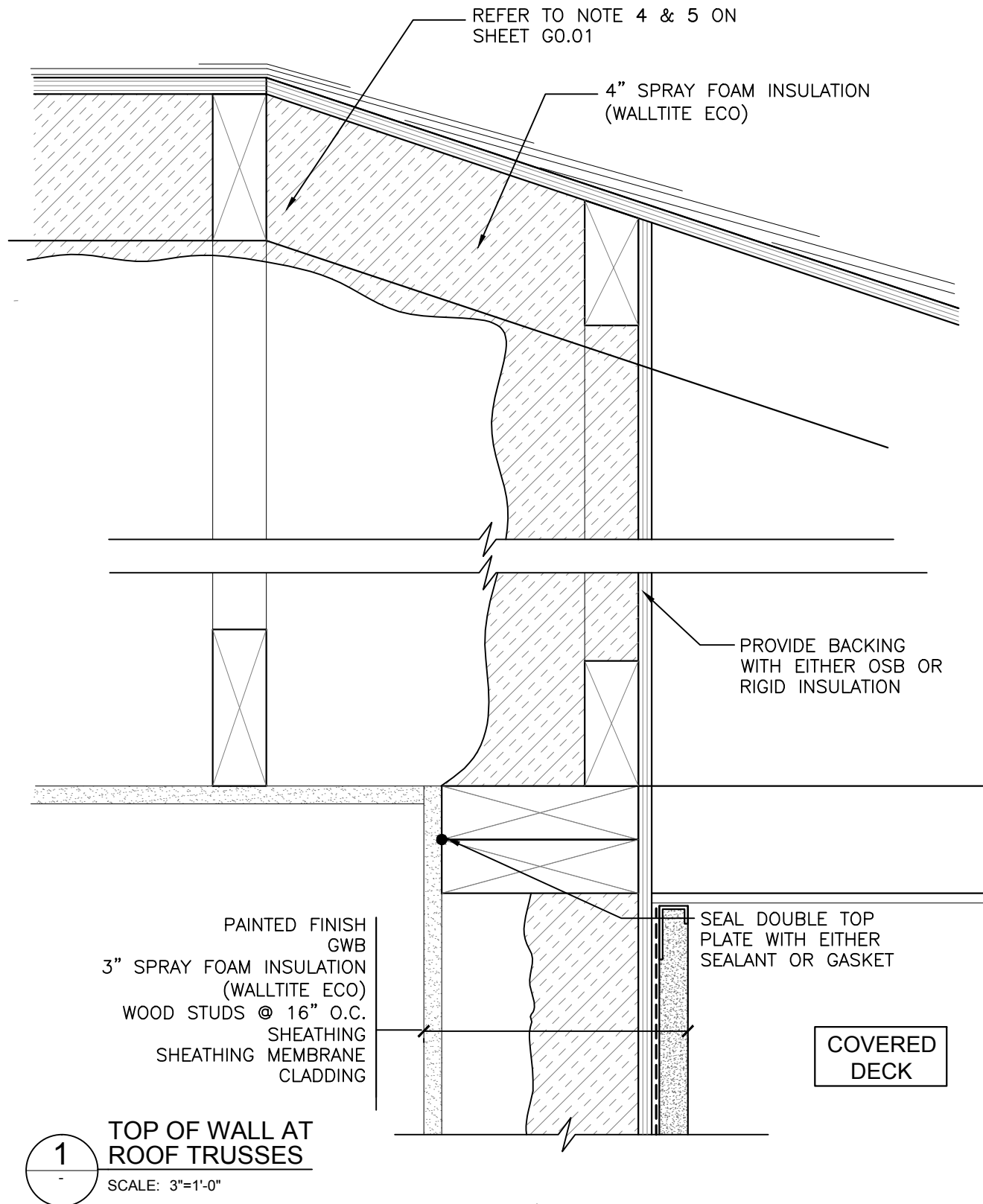


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# GENERIC BASF WALL DETAILS



TOP OF WALL AT INTERMITTENT  
ROOF TRUSS



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