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ASSEMBLY TYPE

- R. RAINSCREEN SYSTEM
- S. SEALED SYSTEM

DETAIL DWG #

4.R.1.1

VENEER TYPE

4. METAL COMPOSITE



ALCOTEX JOINT SYSTEM OPTION

1. JOINT SYSTEM I
CAULK AND BACKER ROD
2. JOINT SYSTEM II
COLOUR SEAL
3. JOINT SYSTEM III
PROGRESSIVE DRY JOINT
4. JOINT SYSTEM IV
NON-PROGRESSIVE DRY JOINT

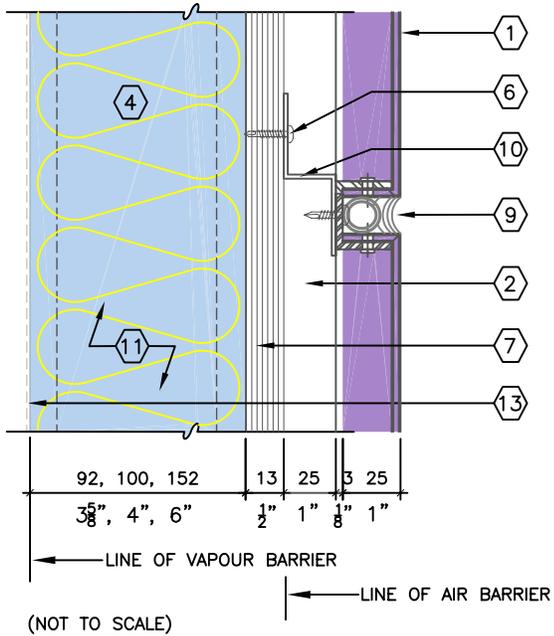
ALCOTEX NUMBERING SYSTEM



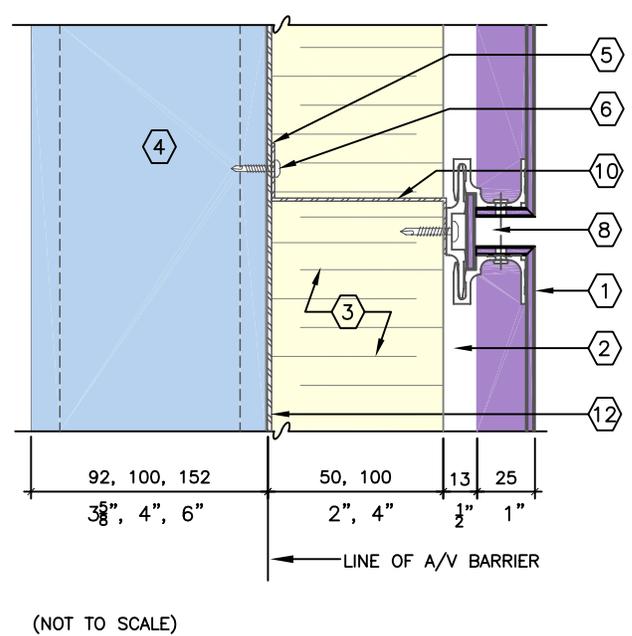
METAL COMPOSITE

4.R.0.1

SEALED SYSTEM



RAINSCREEN SYSTEM



ADVANTAGES

- LESS EXPENSIVE
- NARROWER WALL ASSEMBLY
- LIGHTER WALL ASSEMBLY
- DECREASED INSTALLATION TIME
- THERMALLY BROKEN SYSTEM

DISADVANTAGES

- INSULATION IN STUD CAVITY
- SEPARATE AIR AND VAPOUR BARRIERS
- SEPARATE CONTRACTOR FOR VAPOUR BARRIER AND INSULATION

ADVANTAGES

- COMBINED AND CONTINUOUS AIR/VAPOUR BARRIER
- STUD CAVITY INSIDE A/V BARRIER
- RAIN SCREEN PRINCIPLE
- PRESSURE EQUALIZED JOINTS
- THERMALLY BROKEN SYSTEM

DISADVANTAGES

- MORE EXPENSIVE
- THICKER WALL ASSEMBLY
- INCREASED INSTALLATION TIME

MATERIAL TAGS

- ① COMPOSITE PANEL FACE
- ② AIR SPACE
- ③ SEMI-RIGID INSULATION
- ④ STRUCTURAL FRAME
- ⑤ THERMAL BARRIER
- ⑥ MECHANICAL FASTENER
- ⑦ EXTERIOR BOARD & AIR BARRIER

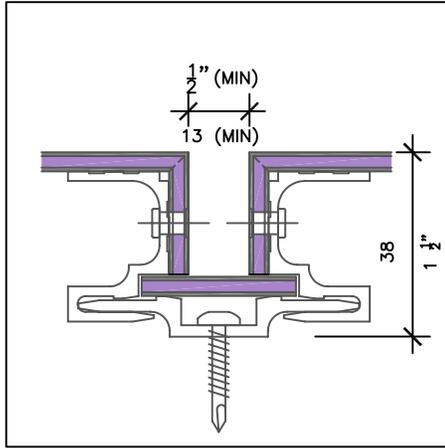
- ⑧ JOINT SYSTEM III
- ⑨ JOINT SYSTEM I
- ⑩ GALVANIZED SUB FRAME
- ⑪ BATT INSULATION
- ⑫ AIR/VAPOUR BARRIER
- ⑬ POLY VAPOUR BARRIER

WALL SYSTEM COMPARISON



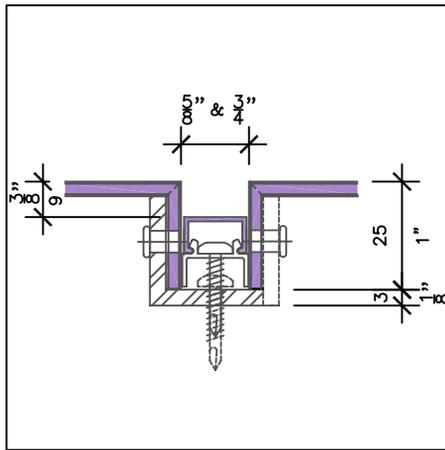
METAL COMPOSITE

4.R.0.2



**JOINT SYSTEM III
PROGRESSIVE**

(NOT TO SCALE)



**JOINT SYSTEM IV
NON-PROGRESSIVE**

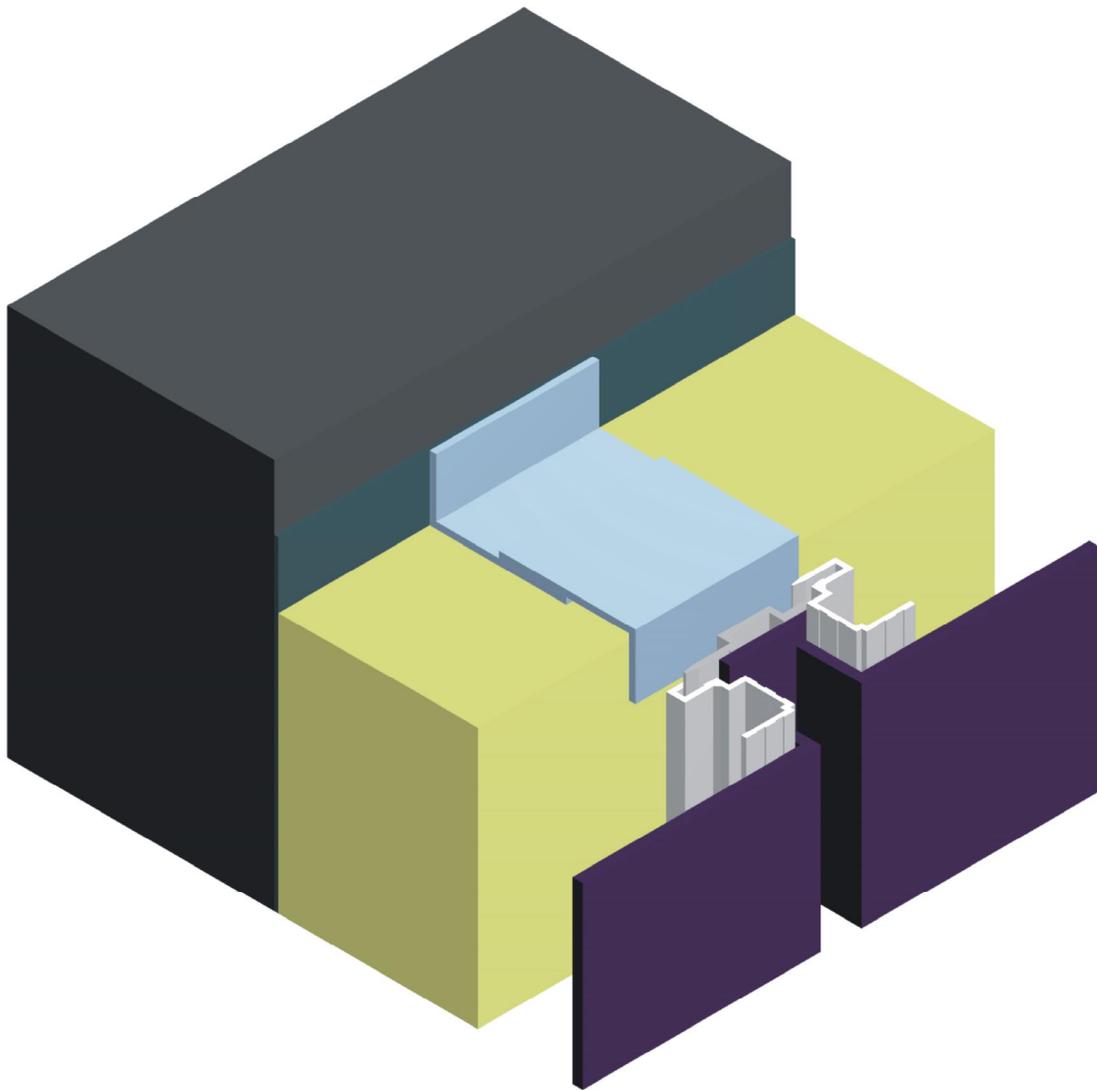
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RAINSCREEN JOINT SYSTEM OPTIONS



METAL COMPOSITE

4.R.0.3



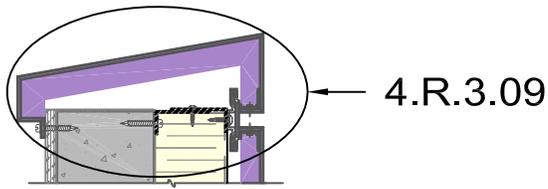
METAL COMPOSITE



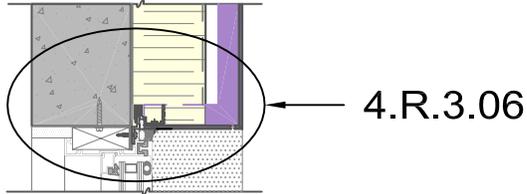
ISOMETRIC DETAIL

JOINT SYSTEM III
RAINSREEN

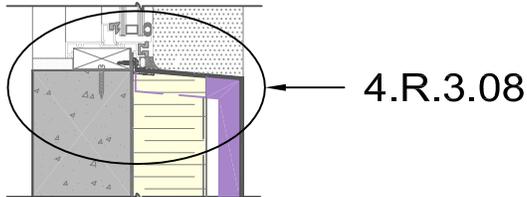
4.R.3.0



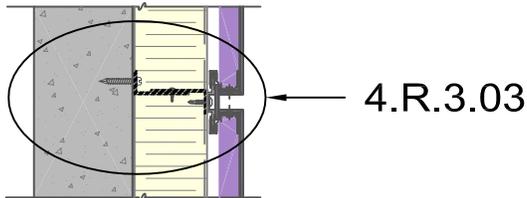
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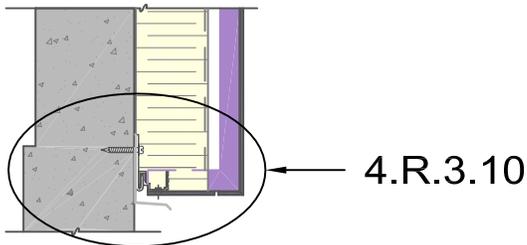
4.R.3.06



4.R.3.08



4.R.3.03



4.R.3.10

SECTION

(NOT TO SCALE)

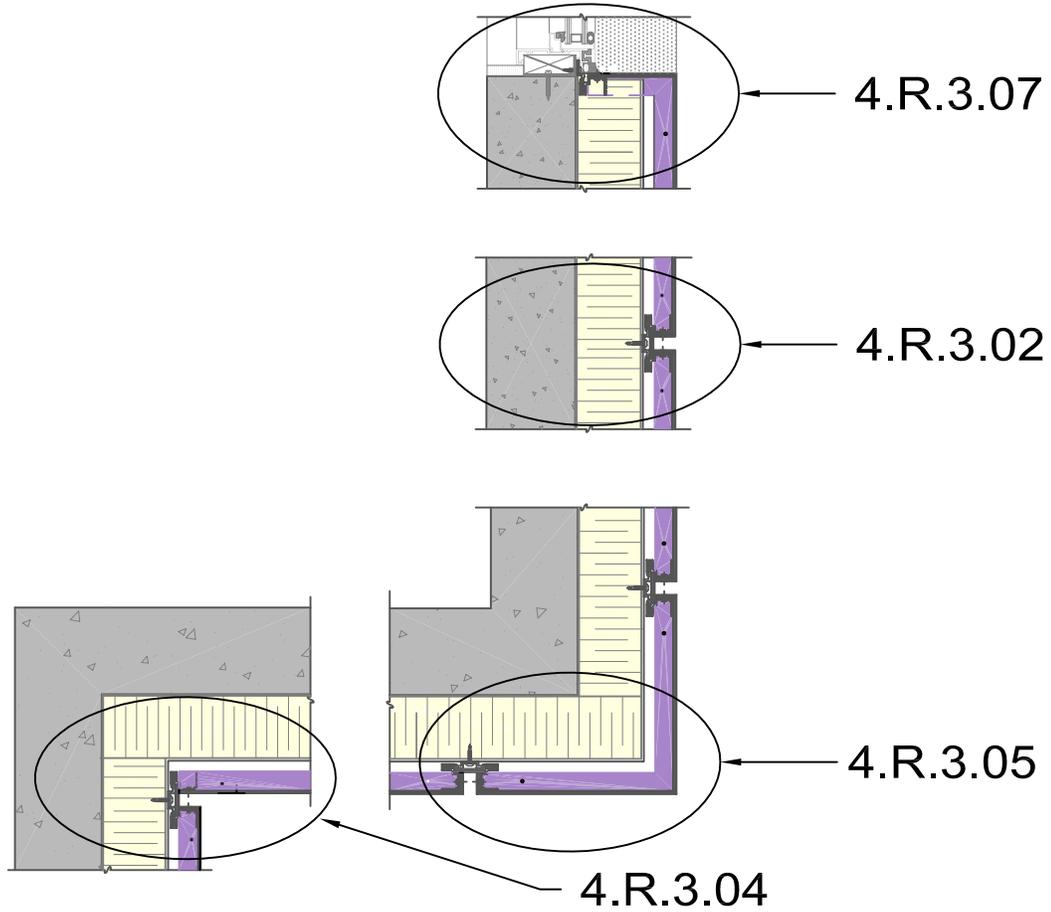
METAL COMPOSITE



WALL REFERENCE

**JOINT SYSTEM III
RAINSCREEN**

4.R.3.01-1



PLAN

(NOT TO SCALE)

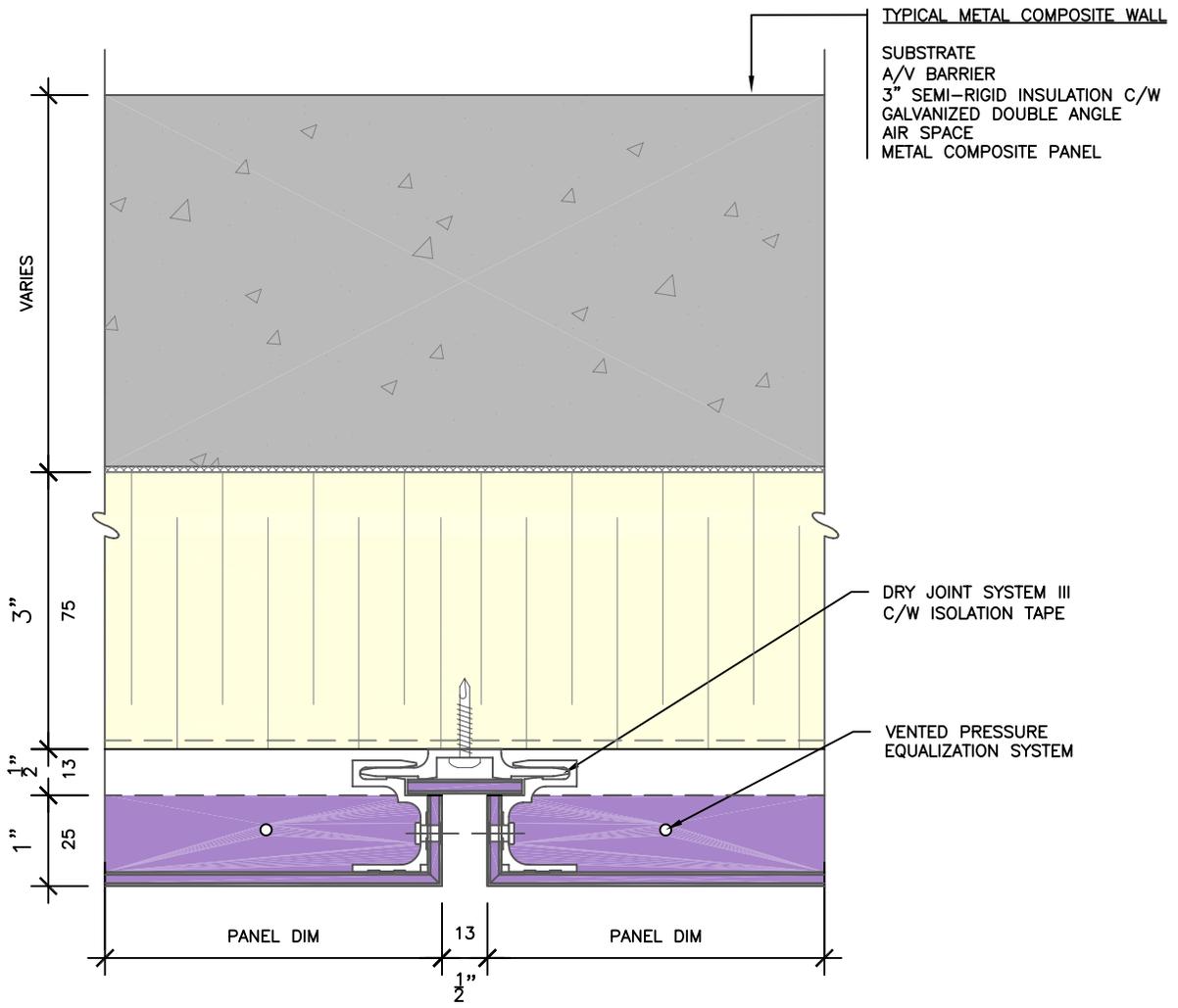
METAL COMPOSITE



WALL REFERENCE

**JOINT SYSTEM III
RAINSCREEN**

4.R.3.01-2



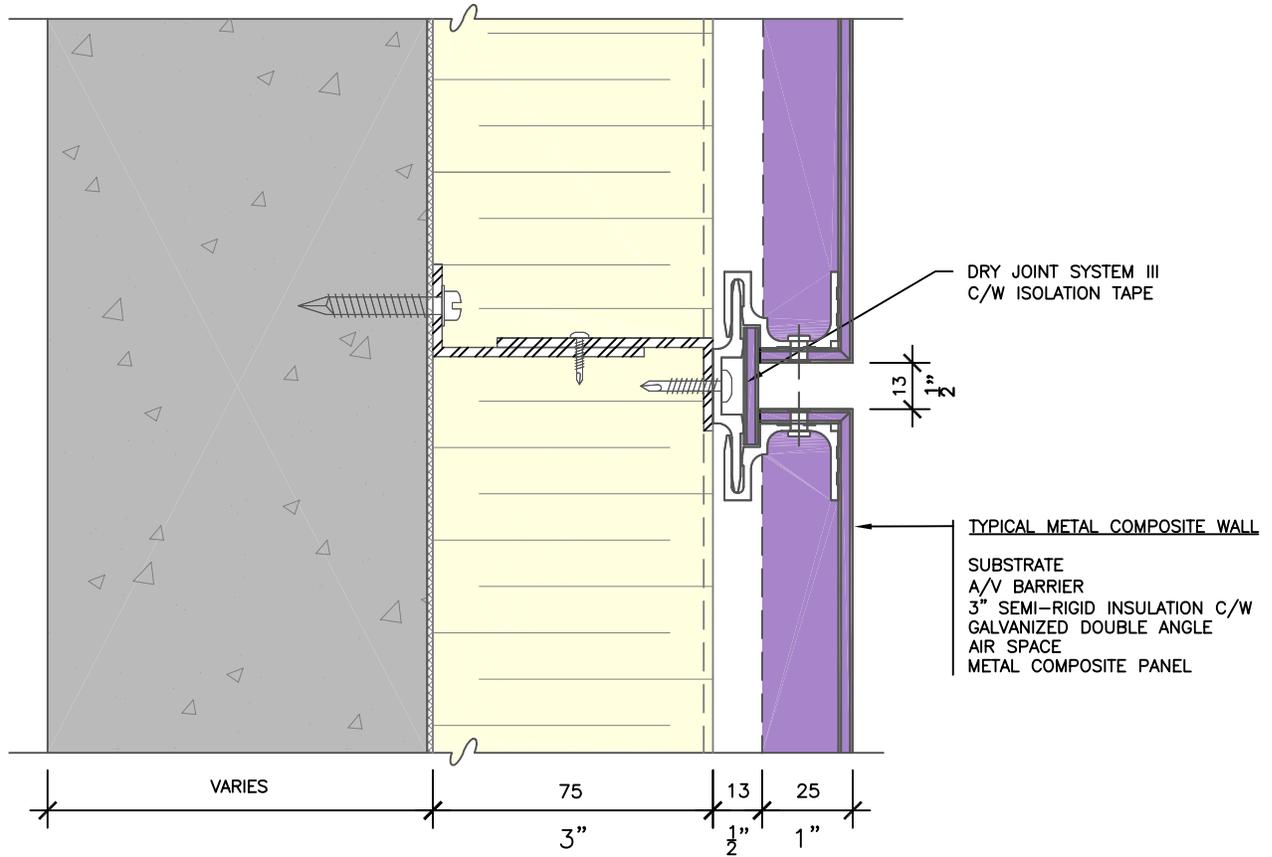
METAL COMPOSITE

TYP VERT JOINT

JOINT SYSTEM III
RAINSCREEN

4.R.3.02





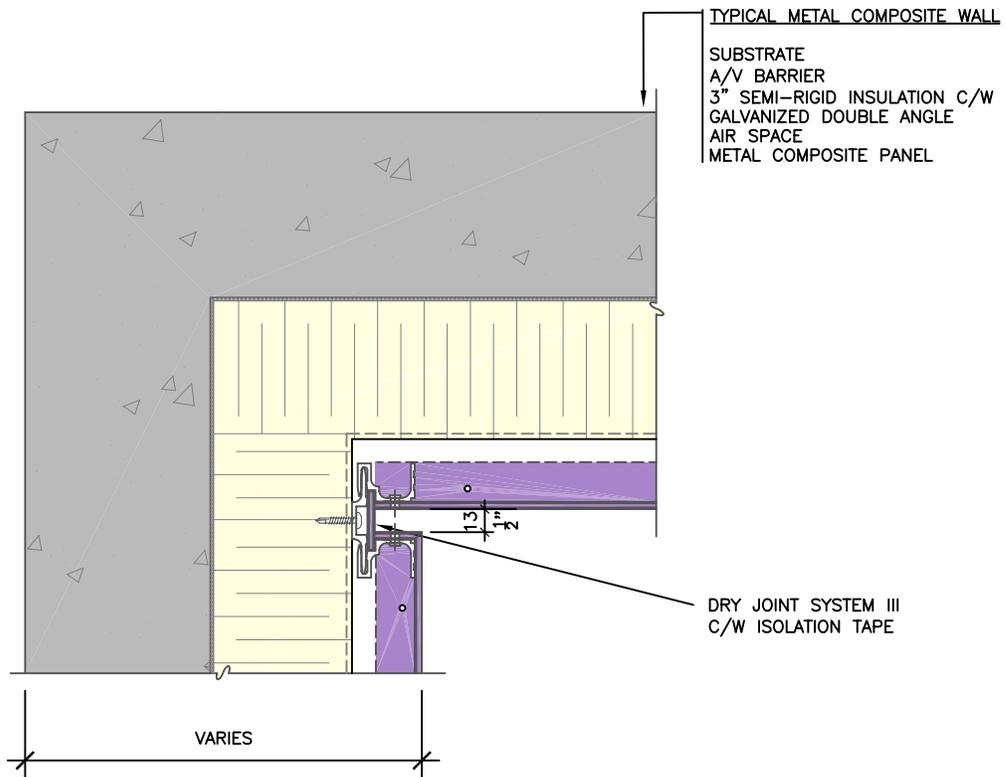
METAL COMPOSITE



TYP HOR JOINT

JOINT SYSTEM III
RAINSCREEN

4.R.3.03



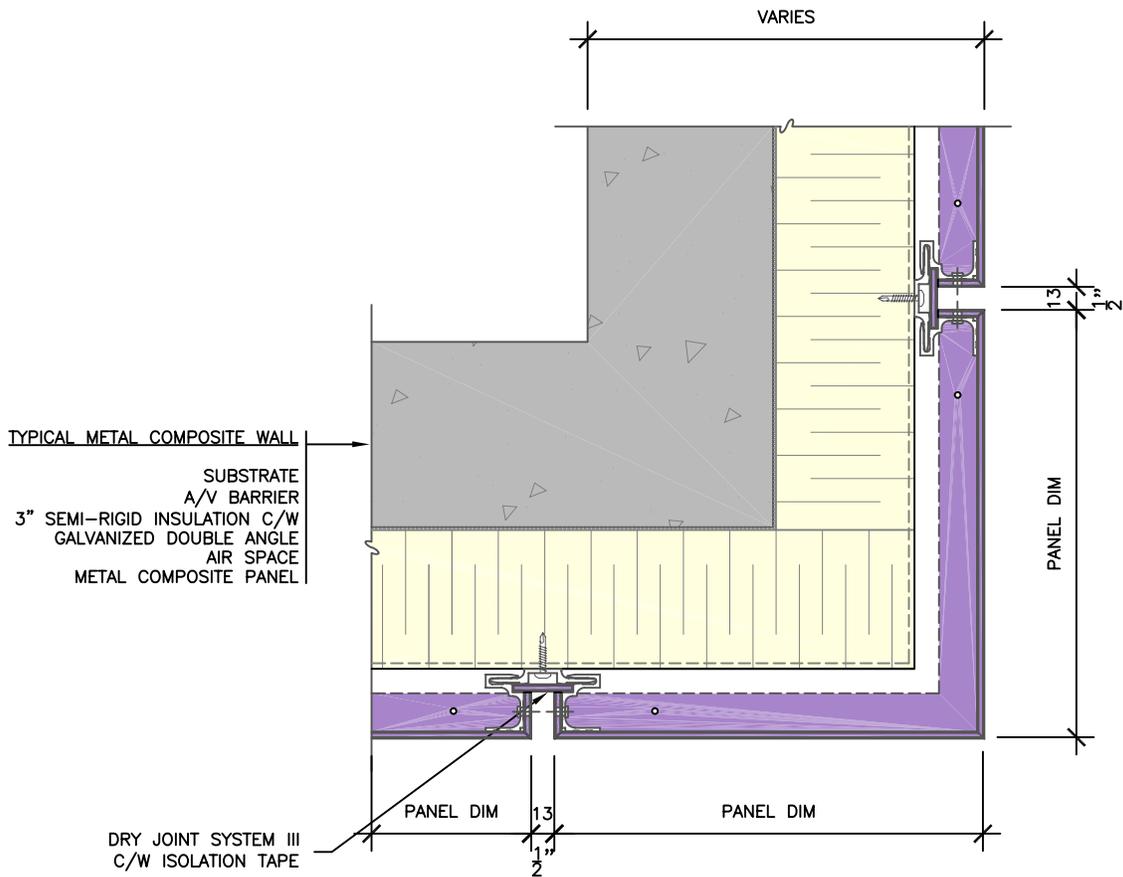
METAL COMPOSITE



TYP INSIDE CORNER

JOINT SYSTEM III
RAINSCREEN

4.R.3.04



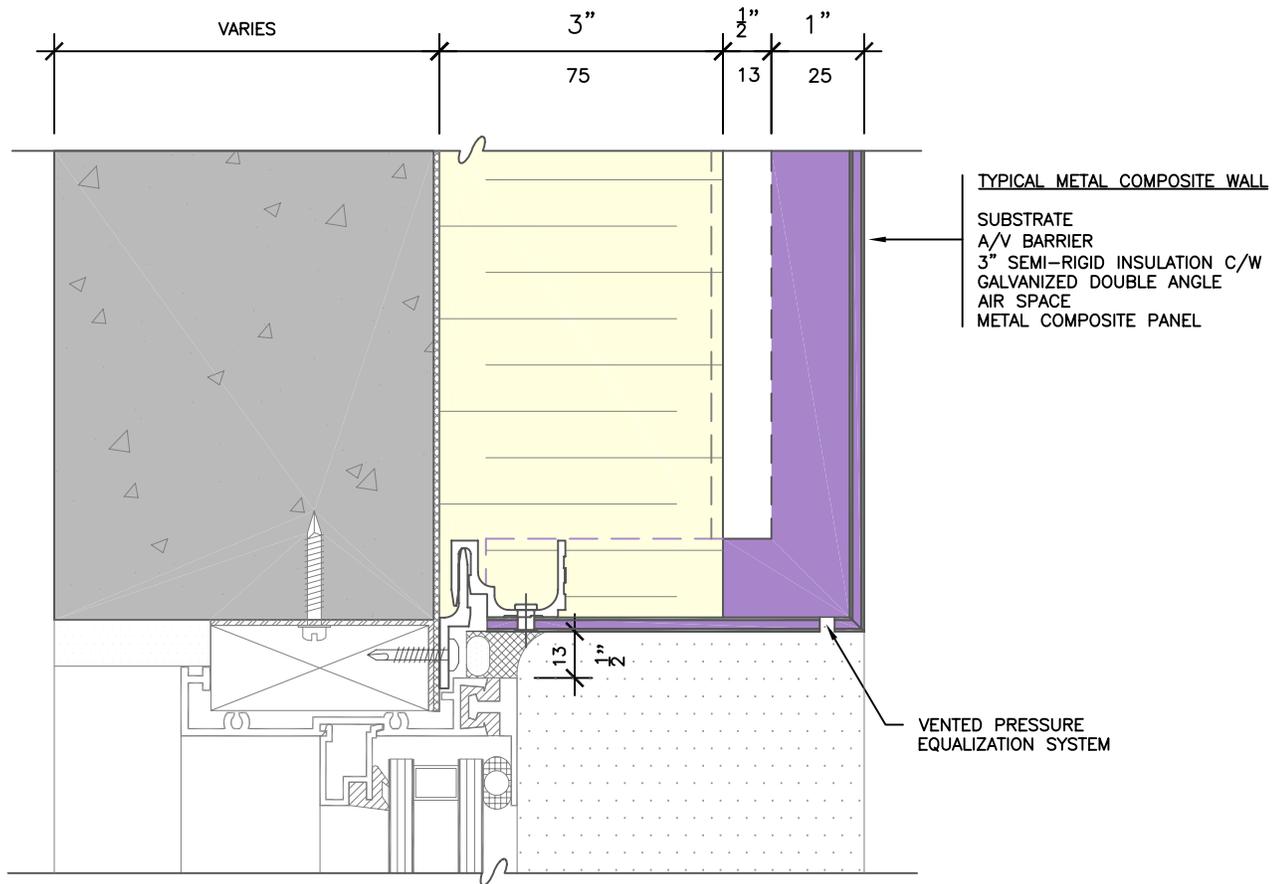
METAL COMPOSITE



TYP OUTSIDE CORNER

JOINT SYSTEM III
RAINSCREEN

4.R.3.05



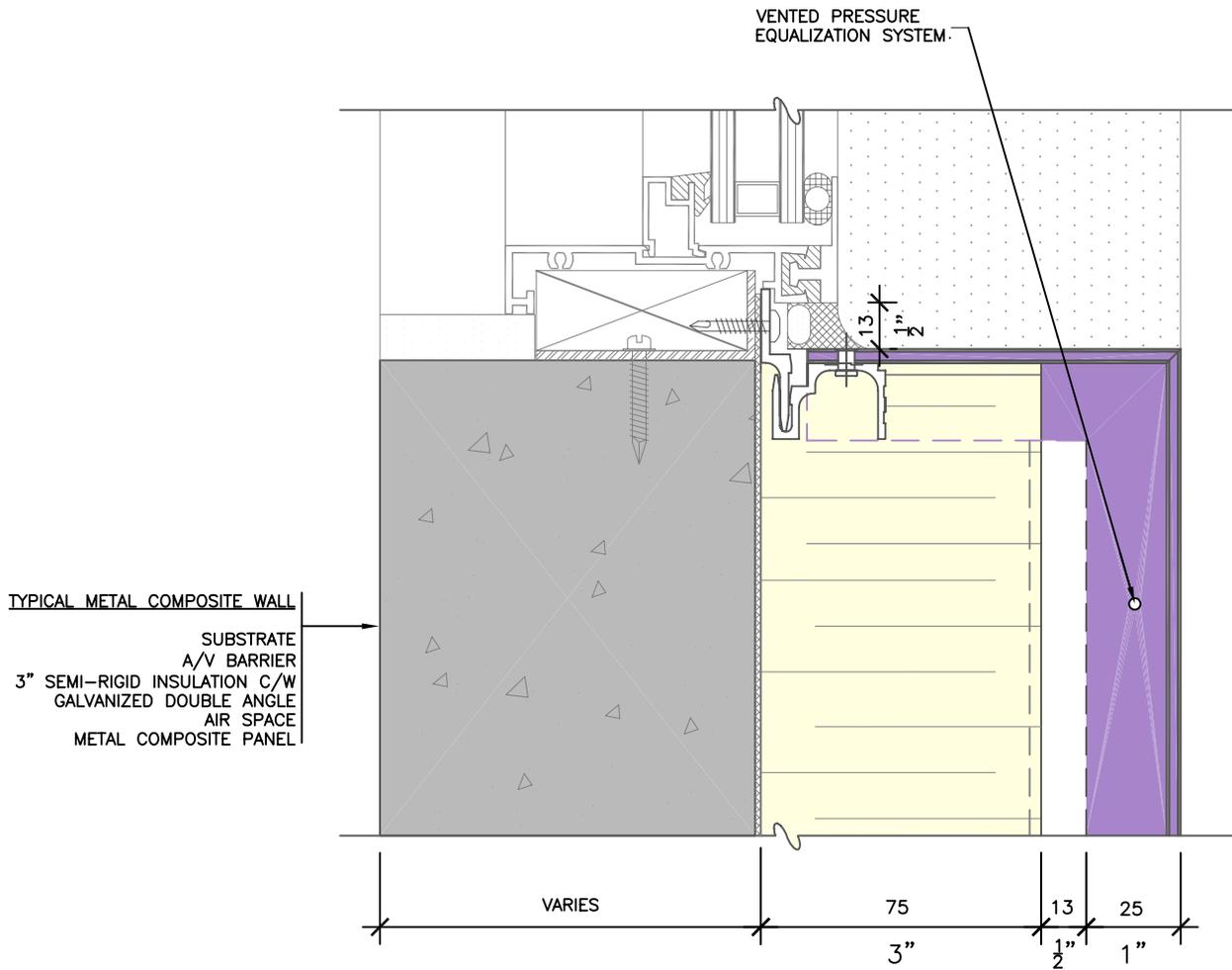
METAL COMPOSITE

WINDOW HEAD



JOINT SYSTEM III
RAINSCREEN

4.R.3.06



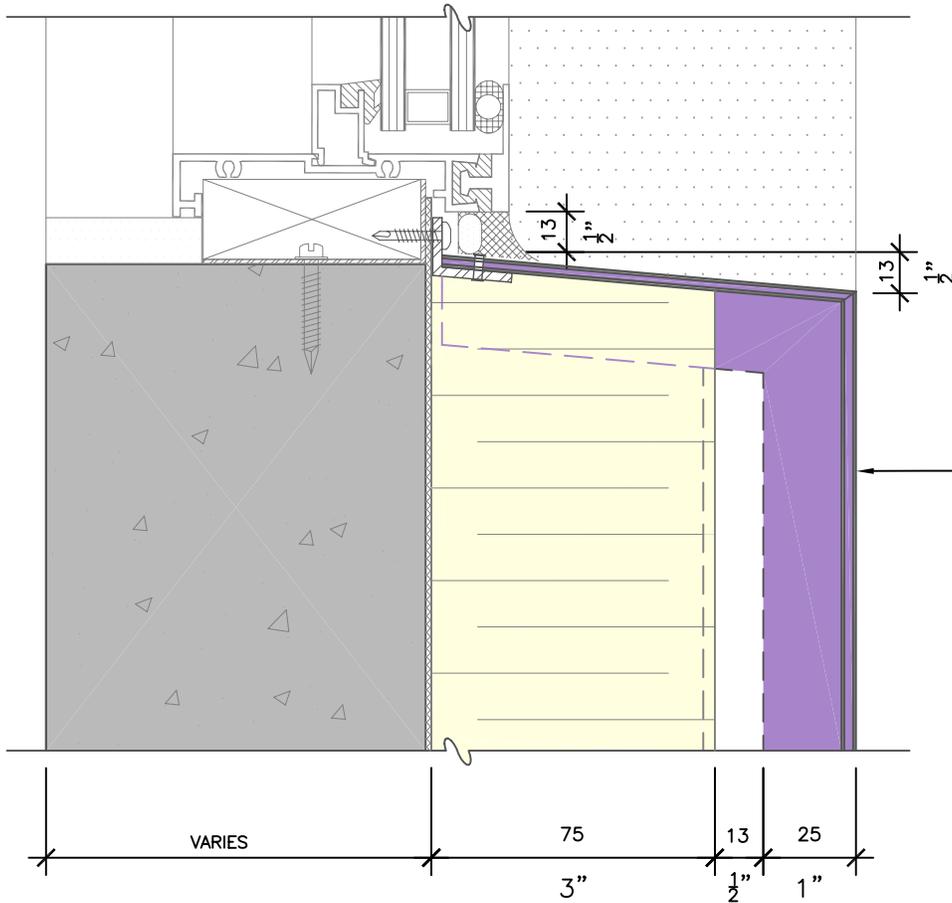
METAL COMPOSITE



WINDOW JAMB

JOINT SYSTEM III
RAINSREEN

4.R.3.07



TYPICAL METAL COMPOSITE WALL

- SUBSTRATE
- A/V BARRIER
- 3" SEMI-RIGID INSULATION C/W
- GALVANIZED DOUBLE ANGLE
- AIR SPACE
- METAL COMPOSITE PANEL

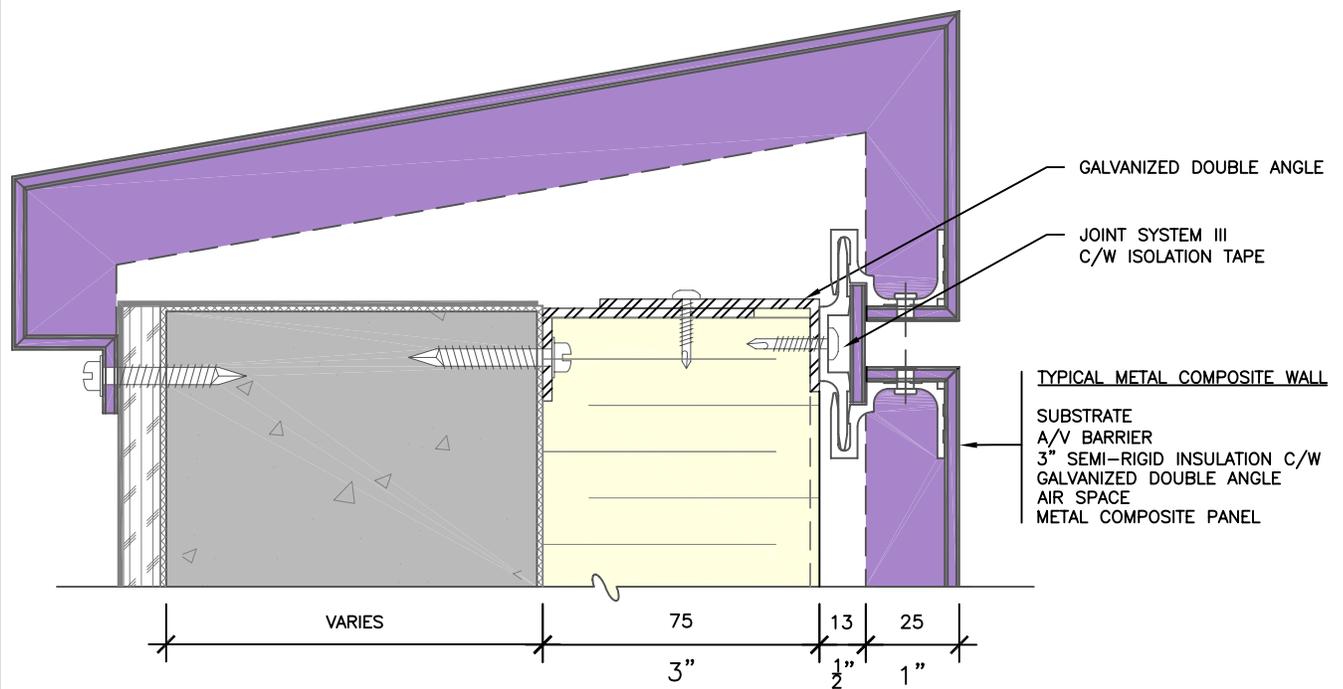
METAL COMPOSITE



WINDOW SILL

JOINT SYSTEM III
RAINSCREEN

4.R.3.08



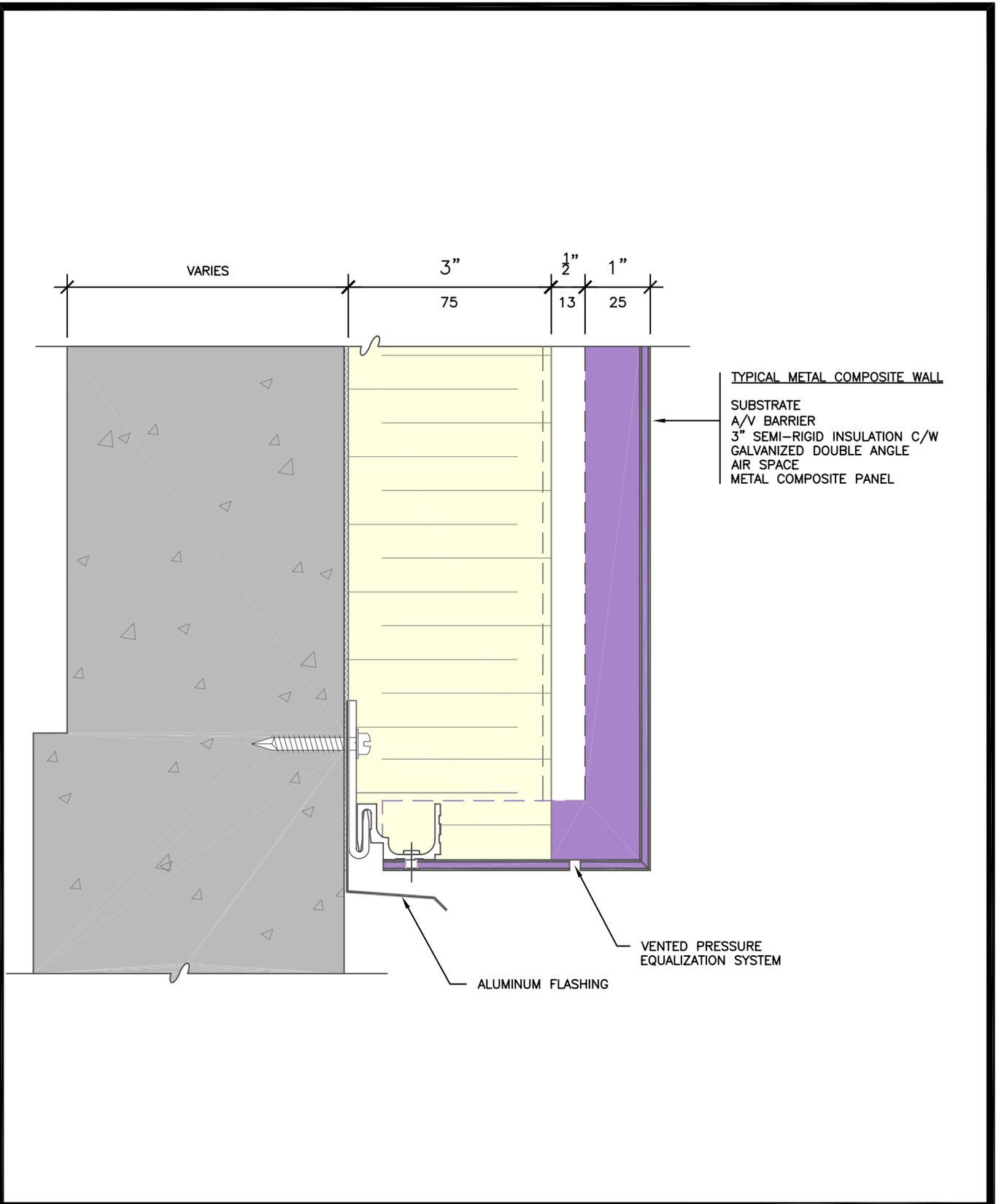
METAL COMPOSITE



TYP PARAPET

**JOINT SYSTEM III
 RAINSCREEN**

4.R.3.09



METAL COMPOSITE



TYP FOUNDATION

**JOINT SYSTEM III
RAINSCREEN**

4.R.3.10



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Window Sill.....	4.S.1.08
Typical Parapet.....	4.S.1.09
Typical Foundation.....	4.S.1.10

ASSEMBLY TYPE

- R. RAINSCREEN SYSTEM
- S. SEALED SYSTEM

DETAIL DWG #

4.S.1.1

VENEER TYPE

4. METAL COMPOSITE



ALCOTEX JOINT SYSTEM OPTION

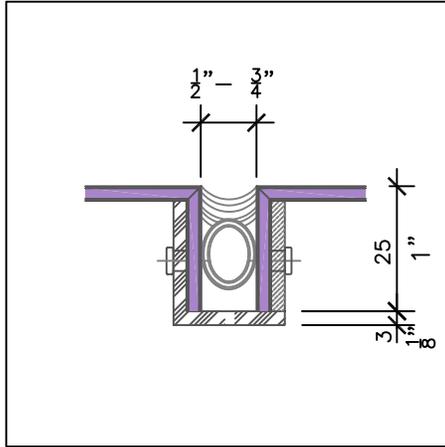
1. JOINT SYSTEM I
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4. JOINT SYSTEM IV
NON-PROGRESSIVE DRY JOINT

ALCOTEX NUMBERING SYSTEM



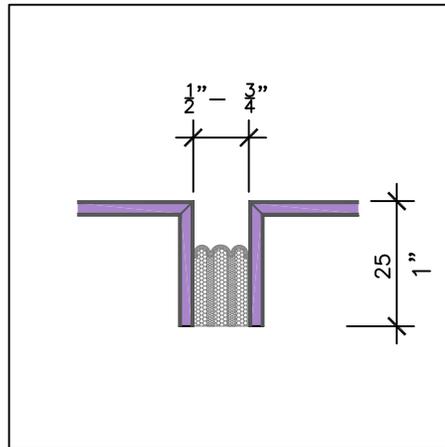
METAL COMPOSITE

4.S.0.1



**JOINT SYSTEM I
CAULK & BACKER ROD**

(NOT TO SCALE)



**JOINT SYSTEM II
COLOUR SEAL**

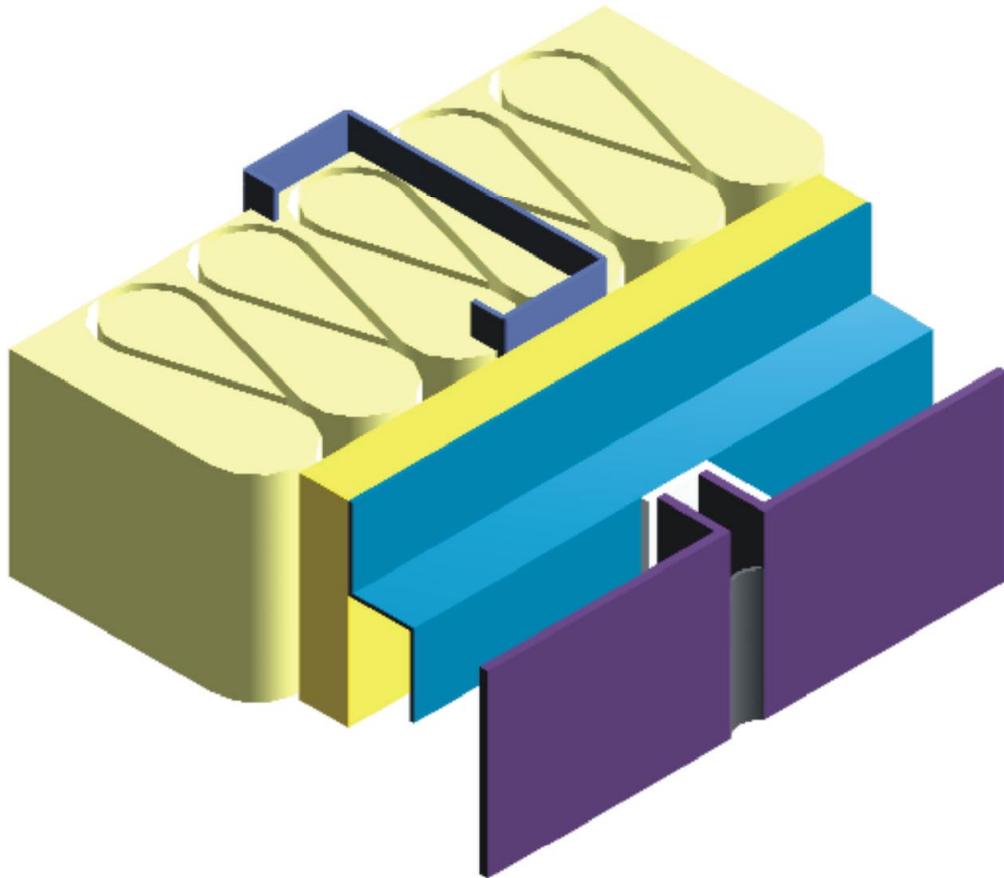
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SEALED JOINT SYSTEM OPTIONS



METAL COMPOSITE

4.S.0.3



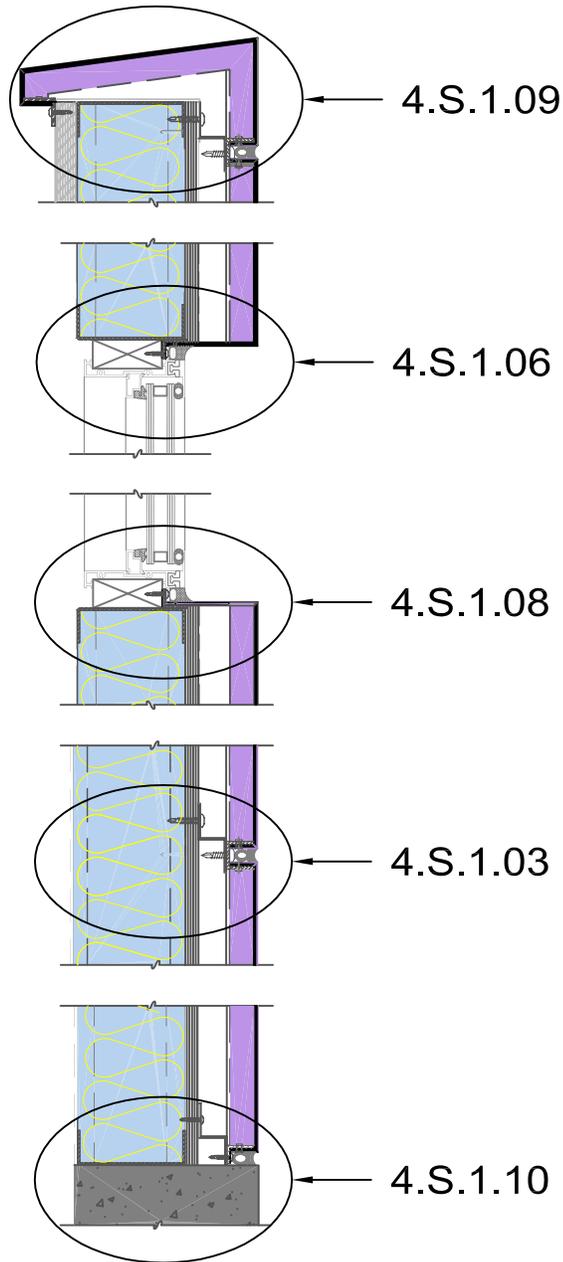
METAL COMPOSITE



ISOMETRIC DETAIL

JOINT SYSTEM I
SEALED

4.S.1.0



SECTION

(NOT TO SCALE)

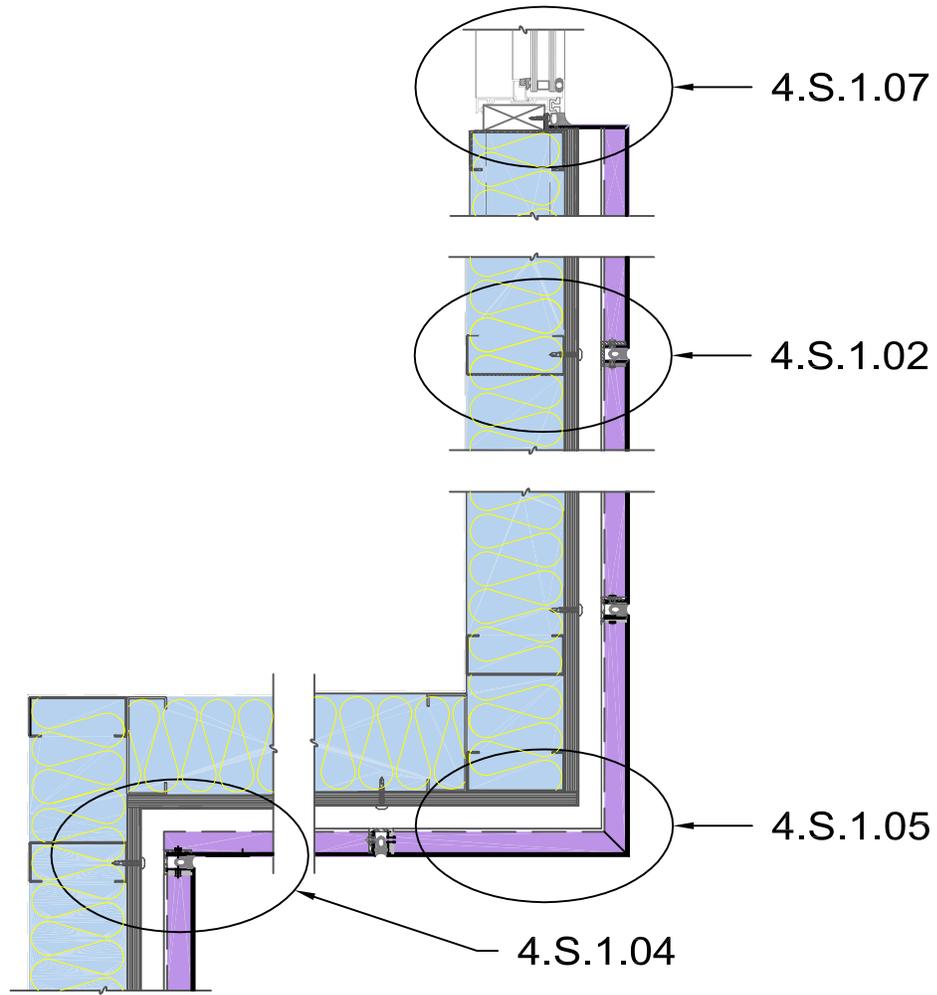
METAL COMPOSITE



WALL REFERENCE

**JOINT SYSTEM I
SEALED**

4.S.1.01-1



PLAN

(NOT TO SCALE)

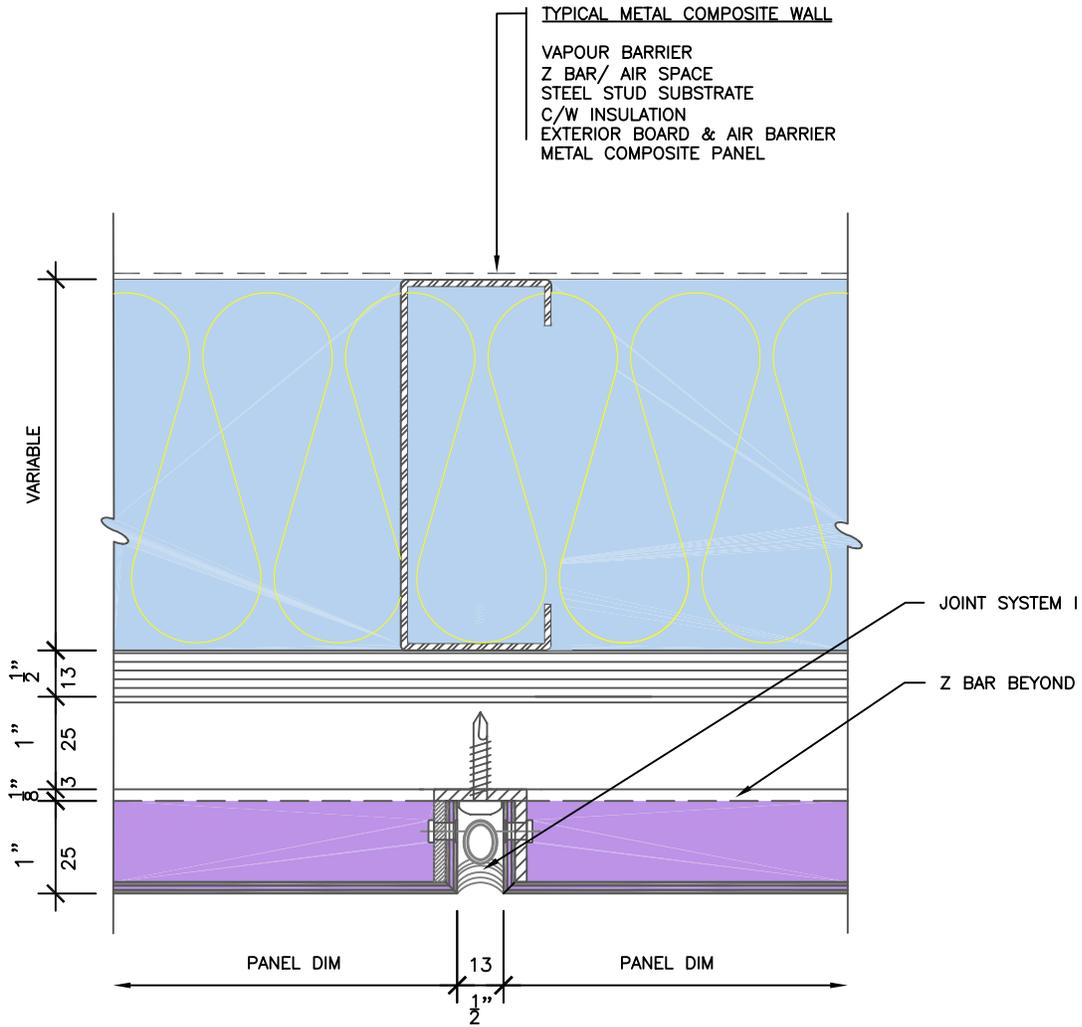
METAL COMPOSITE



WALL REFERENCE

**JOINT SYSTEM I
SEALED**

4.S.1.01-2



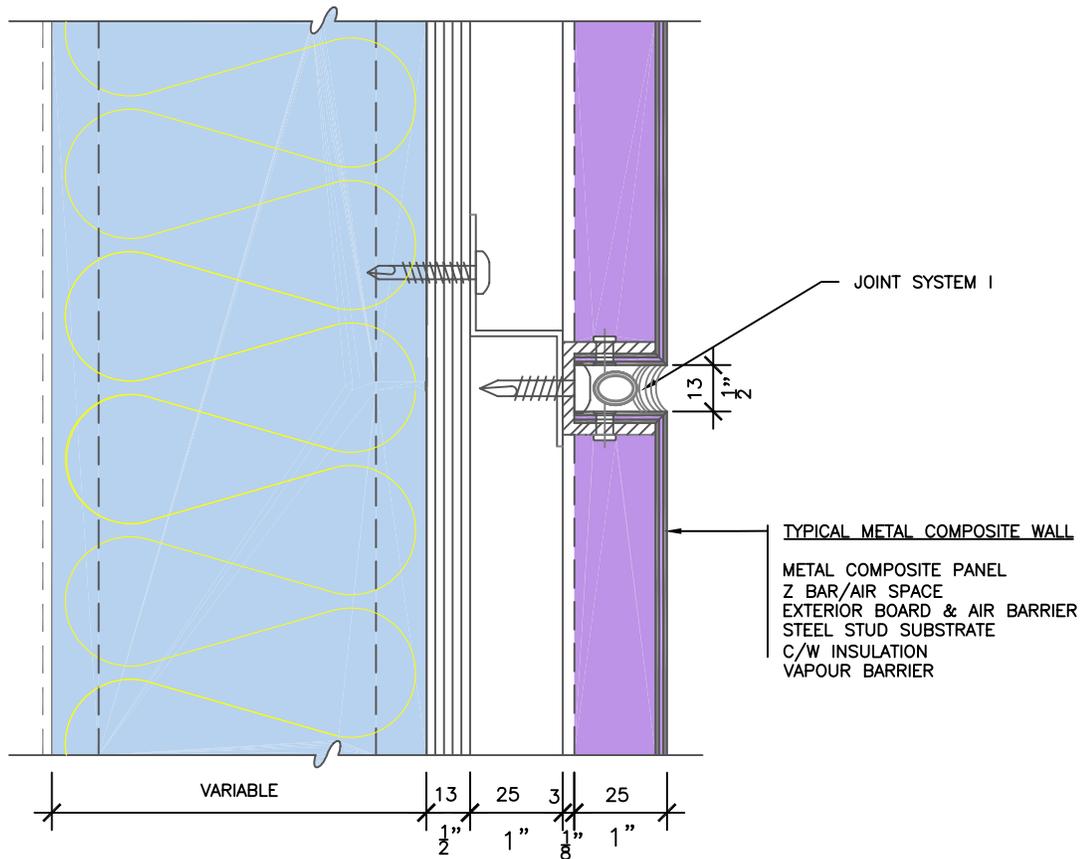
METAL COMPOSITE



TYP VERT JOINT

JOINT SYSTEM I
SEALED

4.S.1.02



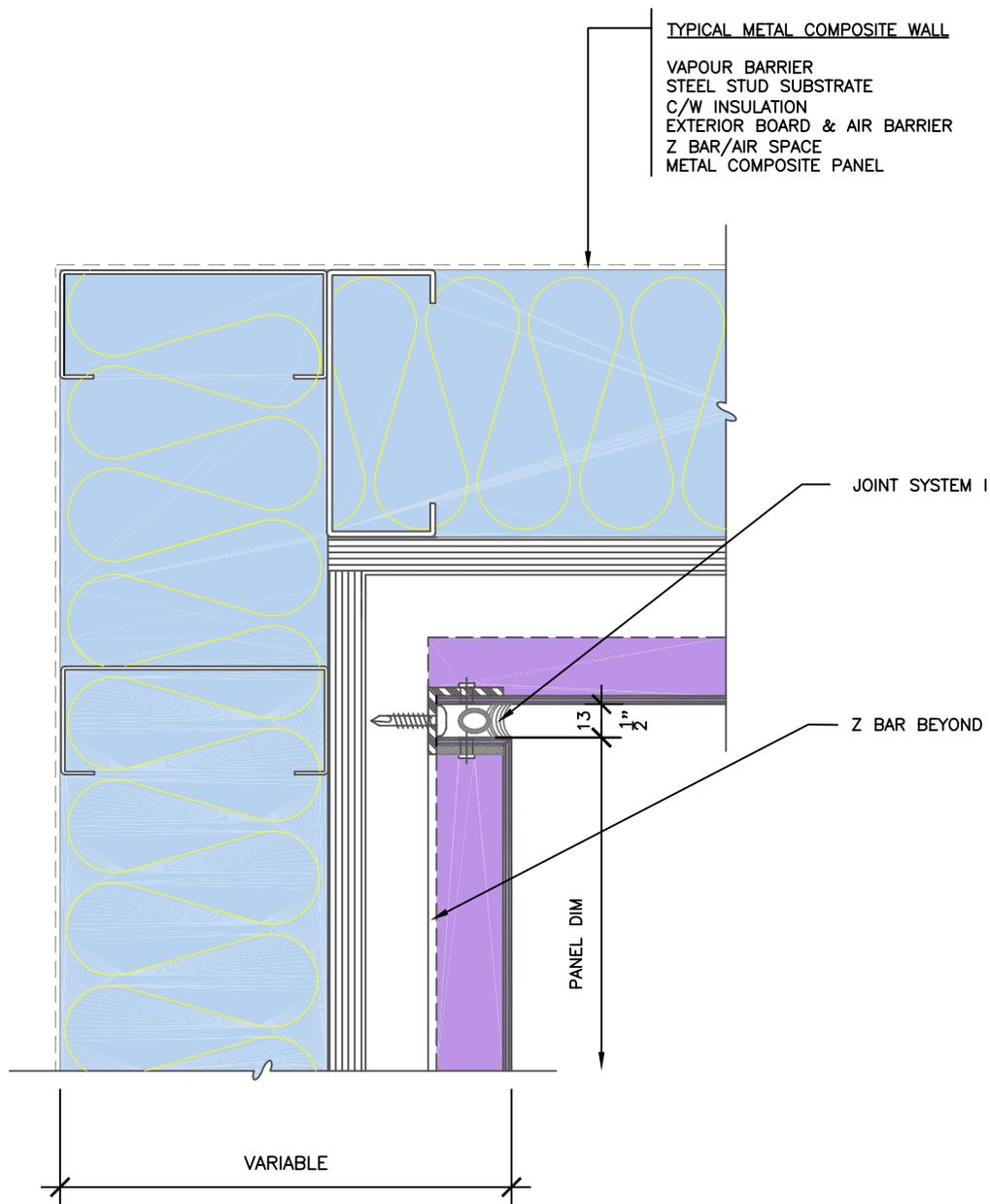
METAL COMPOSITE



TYP HOR JOINT

JOINT SYSTEM I
SEALED

4.S.1.03



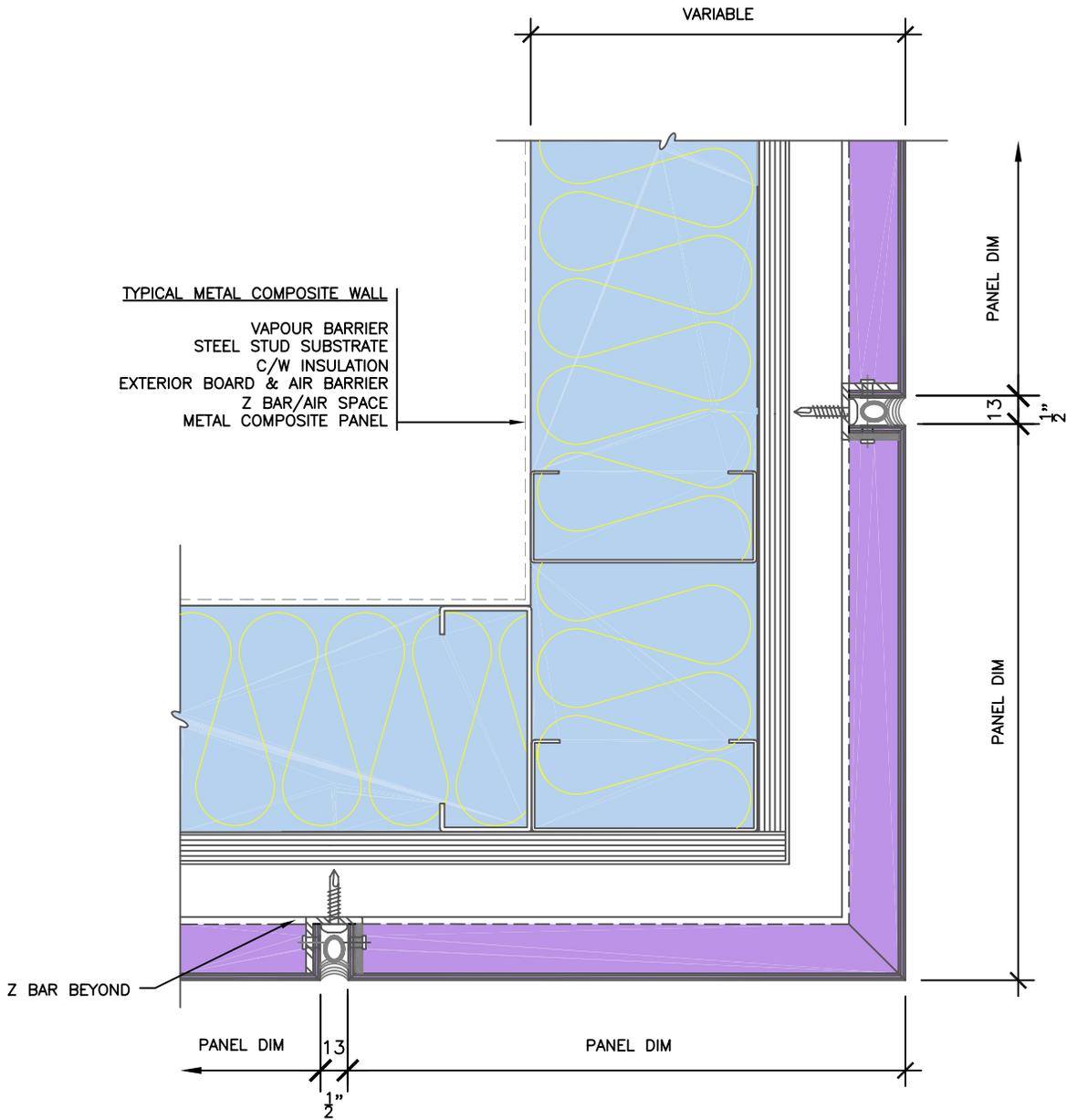
METAL COMPOSITE



TYP INSIDE CORNER

JOINT SYSTEM I
SEALED

4.S.1.04



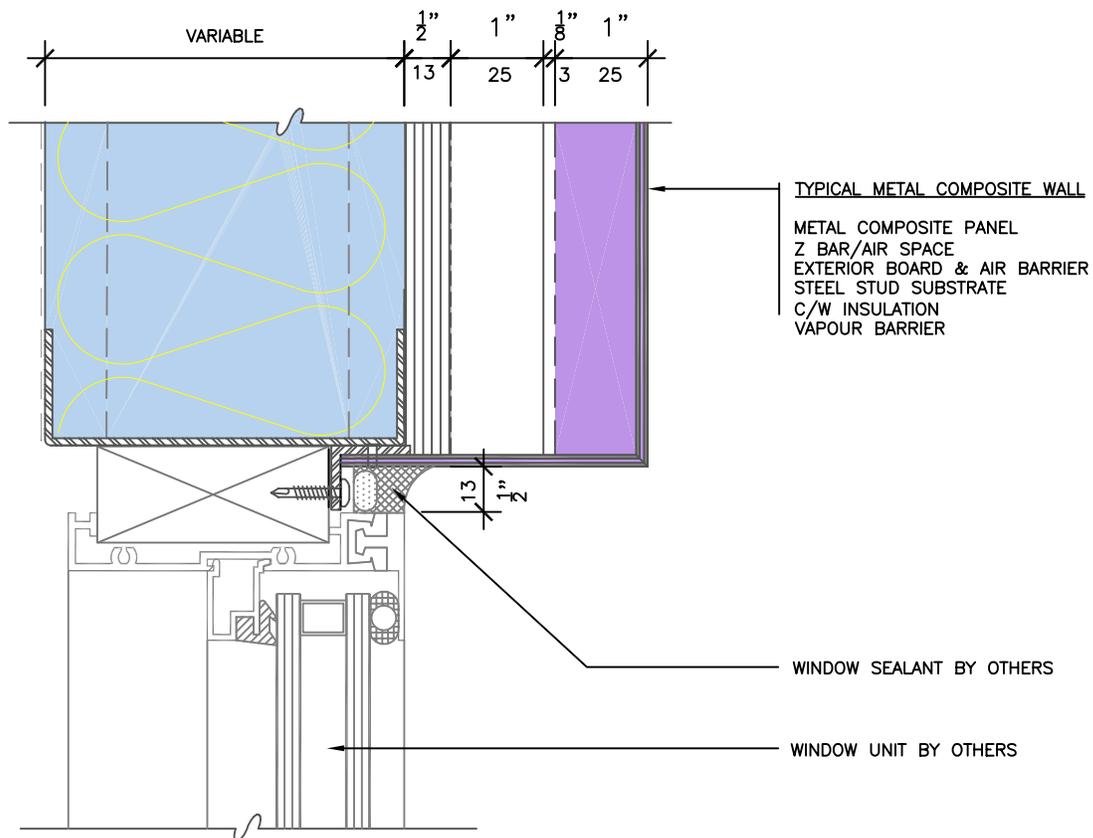
METAL COMPOSITE



TYP OUTSIDE CORNER

JOINT SYSTEM I
SEALED

4.S.1.05



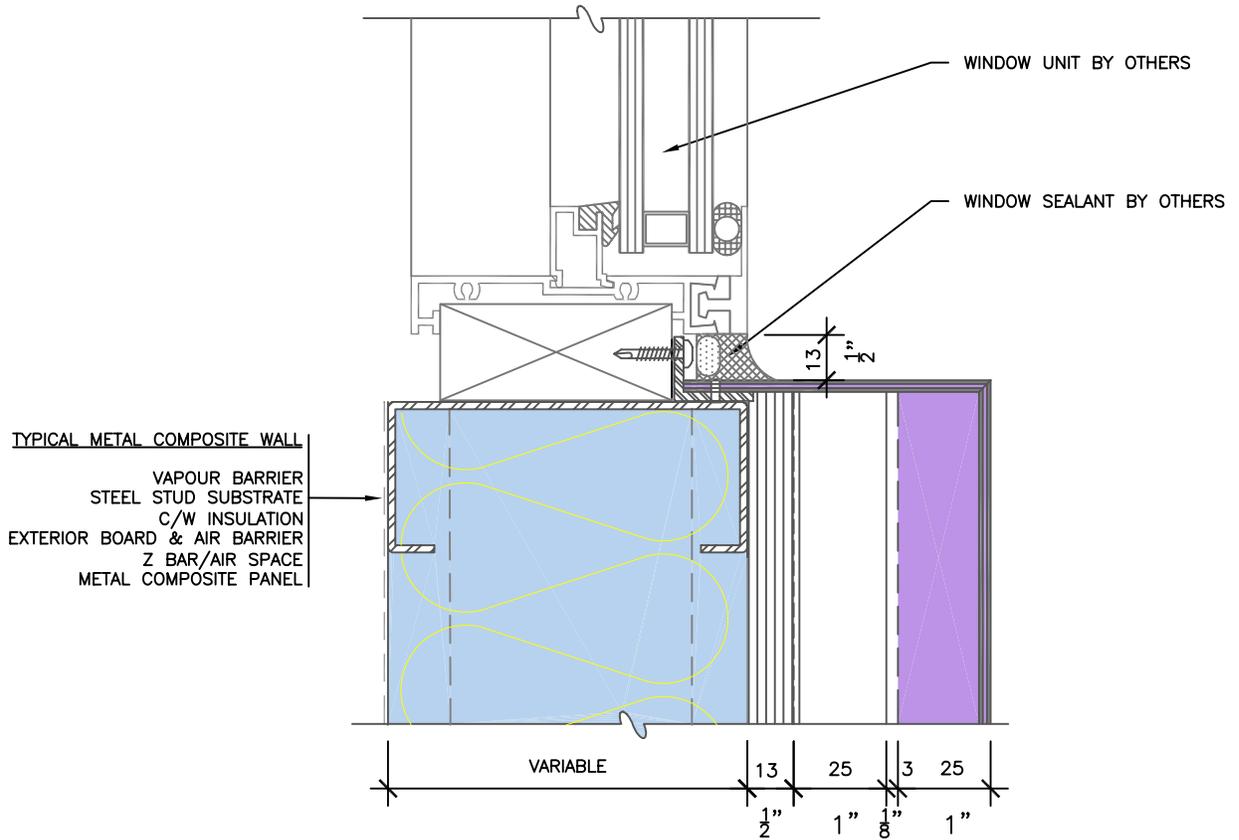
METAL COMPOSITE



WINDOW HEAD

JOINT SYSTEM I
SEALED

4.S.1.06



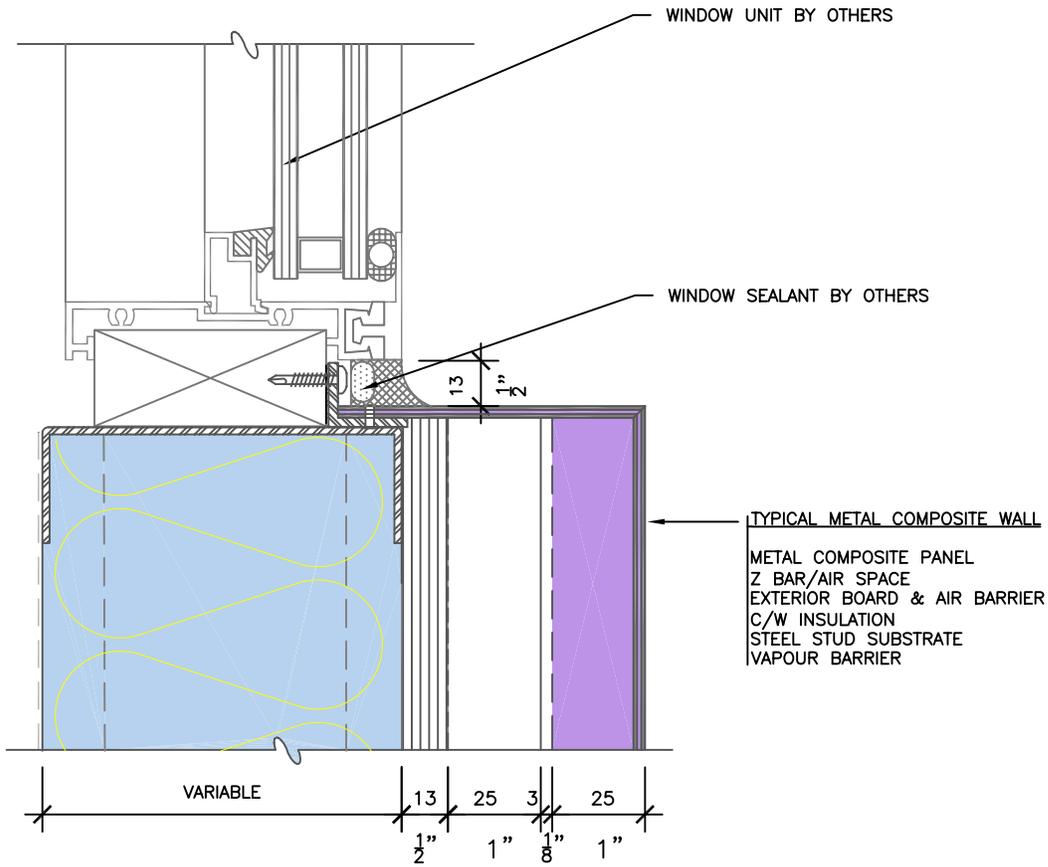
METAL COMPOSITE



WINDOW JAMB

JOINT SYSTEM I
SEALED

4.S.1.07



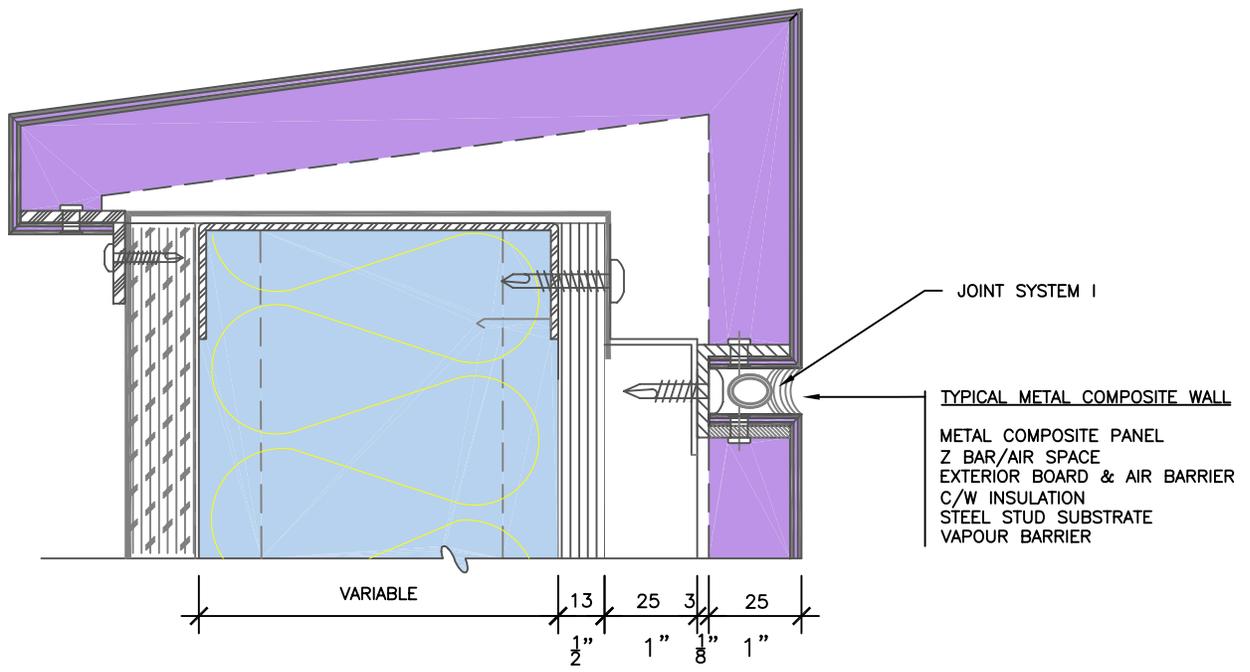
METAL COMPOSITE



WINDOW SILL

JOINT SYSTEM I
SEALED

4.S.1.08



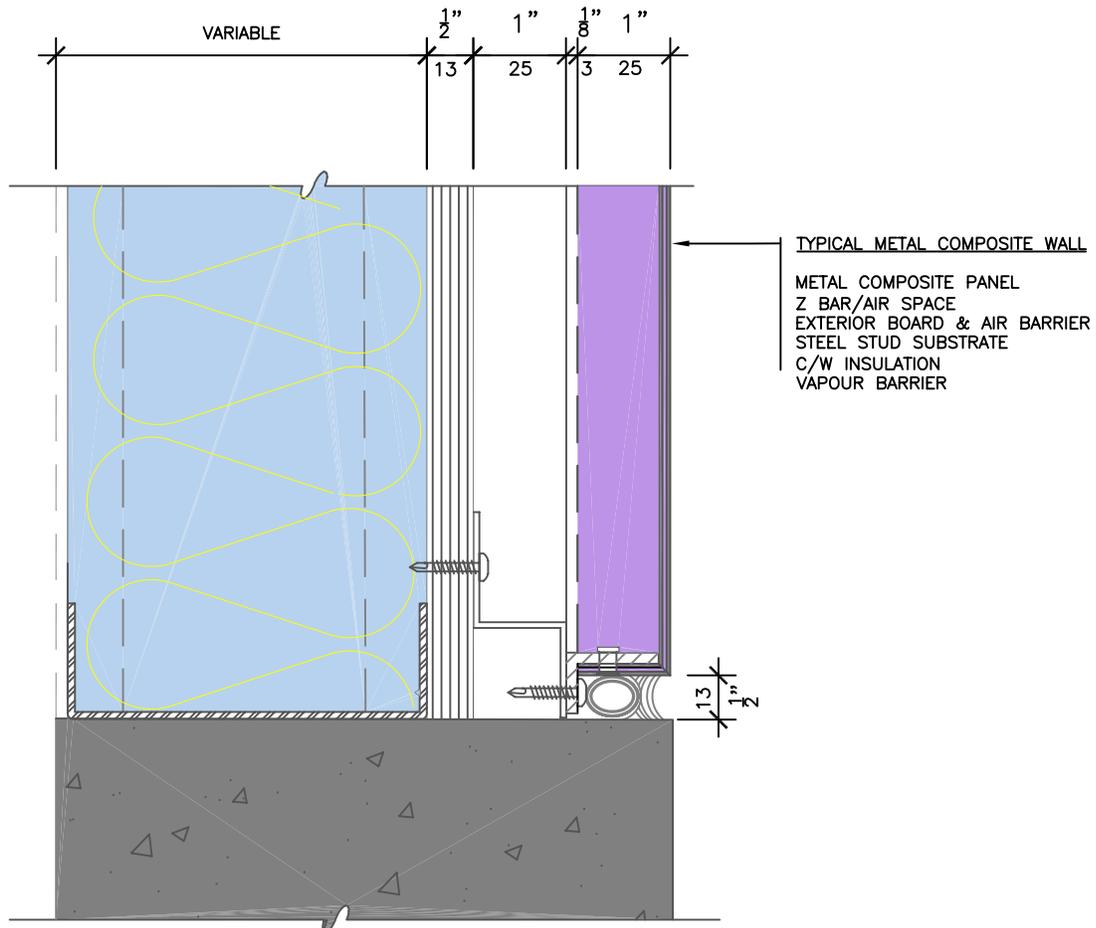
METAL COMPOSITE



TYP PARAPET

JOINT SYSTEM I
 SEALED

4.S.1.09



METAL COMPOSITE



TYP FOUNDATION

JOINT SYSTEM I
 SEALED

4.S.1.10