3R Tiles
ARCHITECTURAL METAL SIDING • ROOFING
3856 RUE IMELDA-LEFEBVRE, SHERBROOKE
QC J1N 1B2
(819) 791-3276

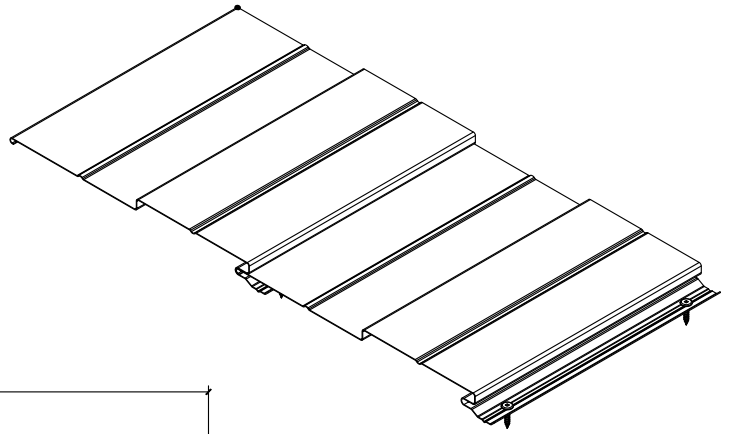
TECHNICAL FILE

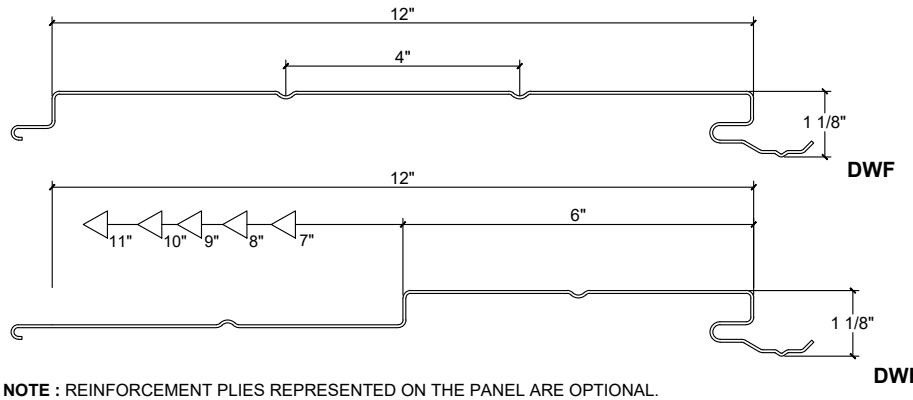
DESIGN WALL

SPECIFICATIONS		
APPLICATION	WALL	
PANEL COVERING	DWF	12" (304.8mm)
	DWH	12" (304.8mm)
PANEL DEPTH	1 1/8" (29mm)	
MINIMUM PANEL LENGTH	3' (0.91m)	
MAXIMUM PANEL LENGTH	22' (6.8m)	

AVAILABLE	
MATERIALS	
ALUMINIUM	0.032" , 0.040" , 0.050" (0.8mm , 1.0mm , 1.27mm)
PAINTED STEEL	CALIBRE 24

EXPANSION FACTORS FOR SPACING	
PANEL LENGTH 22' (6.8m)	
STEEL	5/8" (8mm)
ALUMINIUM	11/16" (17mm)





NOTE : REINFORCEMENT PLIES REPRESENTED ON THE PANEL ARE OPTIONAL.

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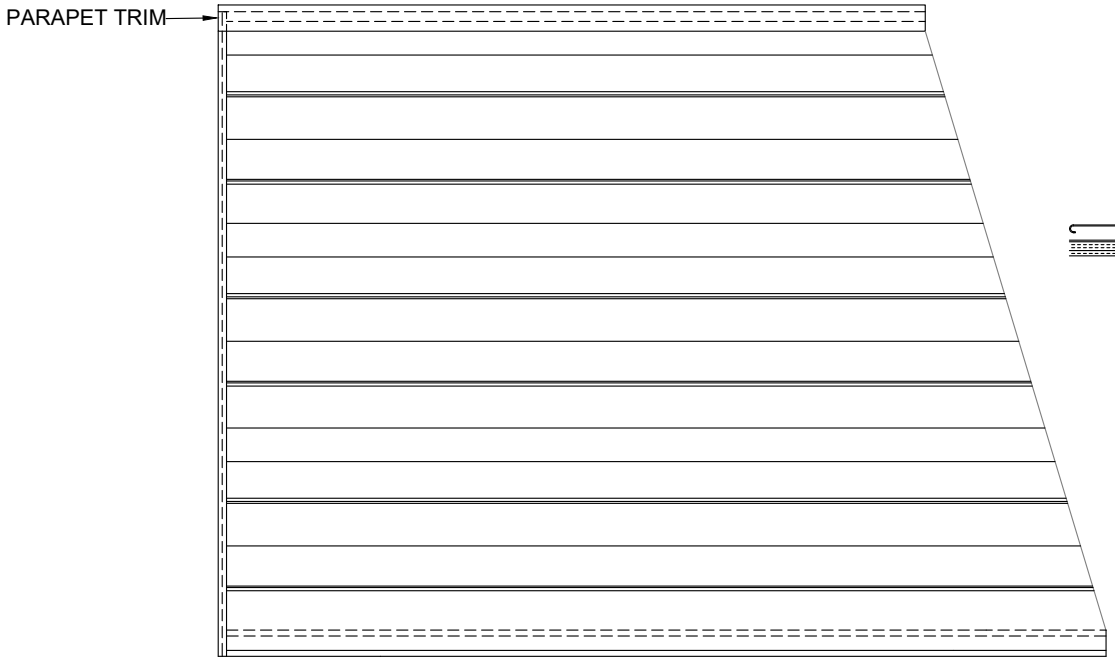
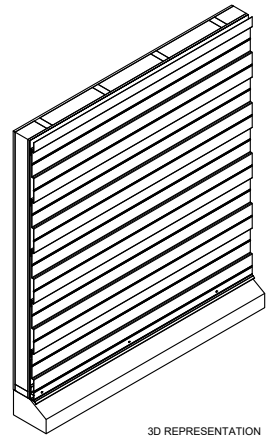
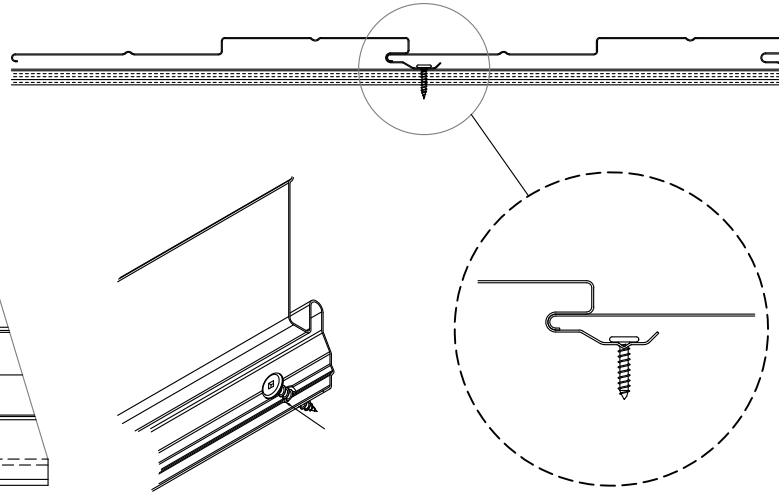
DESIGN WALL

HORIZONTAL INSTALLATION
SOLID SUBSTRATE

ELEVATION




3D REPRESENTATION



NOTES :

THE EXPANSION OF ALUMINUM AND STEEL DEPENDS ON A COMBINATION OF SEVERAL FACTORS: THE LENGTH AND WIDTH OF THE PANEL, THE THICKNESS OF THE MATERIAL, ITS COLOR, THE LEVEL OF SUN EXPOSURE, THE TEMPERATURE DURING INSTALLATION. PROVIDE SUFFICIENT EXPANSION SPACE ACCORDING TO THESE FACTORS (SEE EXPANSION FACTOR TABLE).

THE PANEL IS INSTALLED FROM TOP TO BOTTOM.

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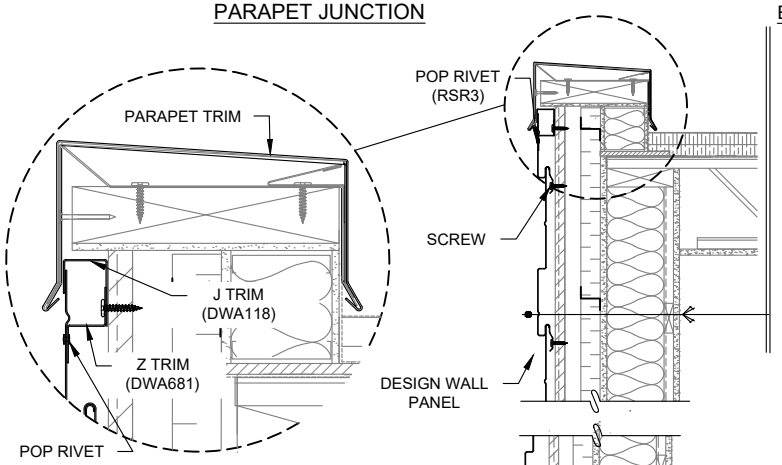
DESIGN WALL

HORIZONTAL INSTALLATION
SOLID SUBSTRATE

WALL STRUCTURE

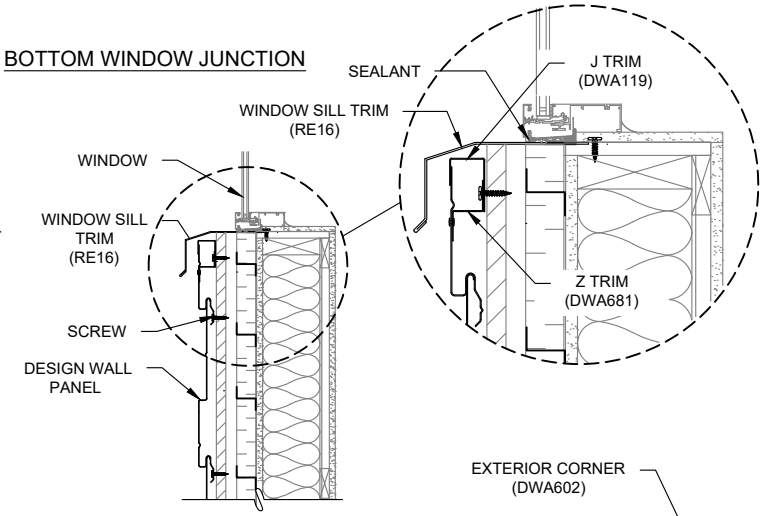
PARAPET JUNCTION



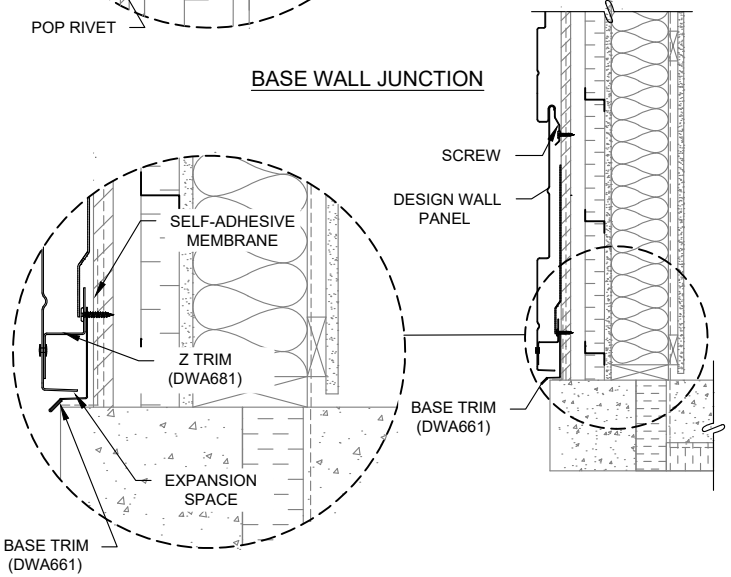
EXTERIOR WALL

- DESIGN WALL METAL PANEL
- SELF-ADHESIVE MEMBRANE
- 5/8" PLYWOOD SHEATING
- VERTICAL METAL OR WOOD SUBGIRT
- INSULATION PANEL
- AIR BARRIER MEMBRANE
- EXTERIOR GYPSE
- WOOD STUD
- VAPOR BARRIER MEMBRANE
- HORIZONTAL WOOD BATTEN
- GYPSE PANEL

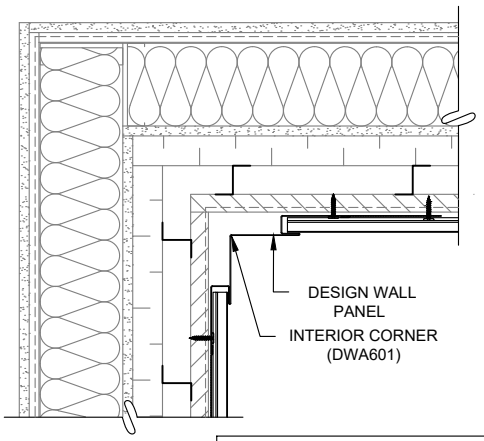
BOTTOM WINDOW JUNCTION



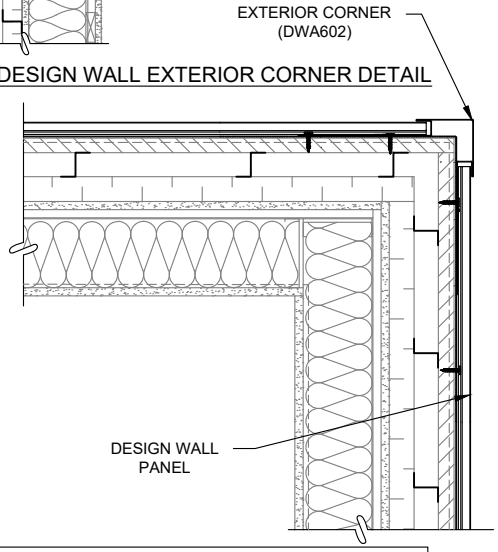
BASE WALL JUNCTION



DESIGN WALL INTERIOR CORNER DETAIL



DESIGN WALL EXTERIOR CORNER DETAIL



NOTES :
PROVIDE A THERMAL EXPANSION SPACE AT THE BOTTOM OF THE PANEL
(SEE EXPANSION FACTOR TABLE)
WALL CUT FOR INFORMATION ONLY

3R Tiles
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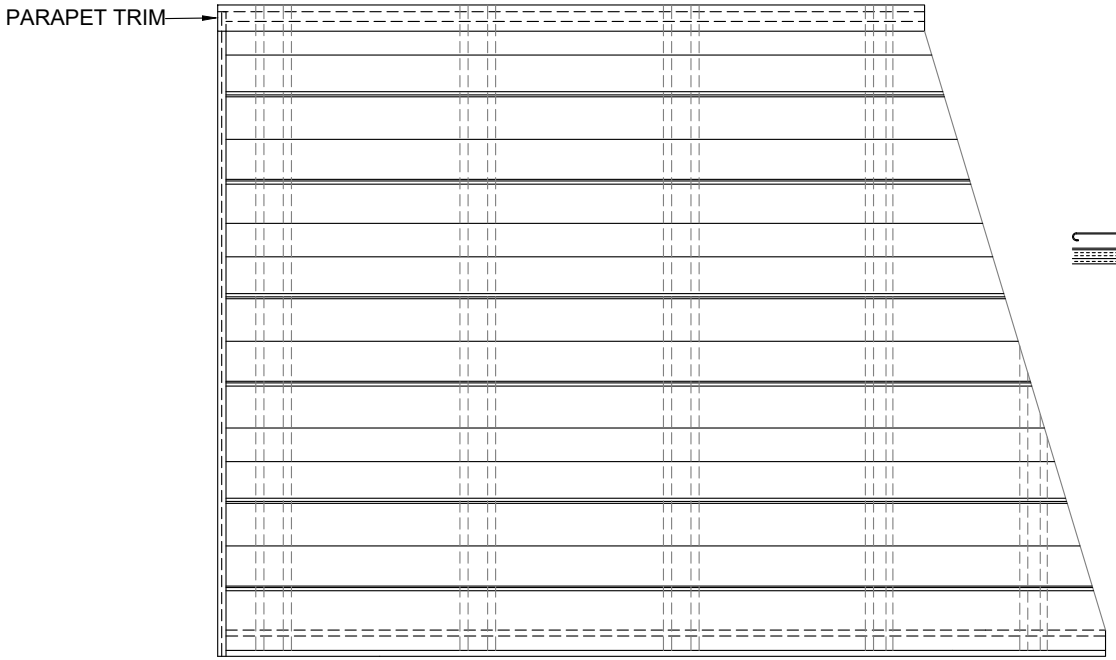
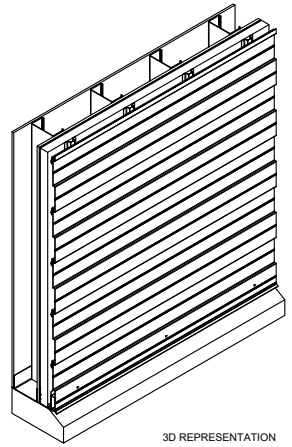
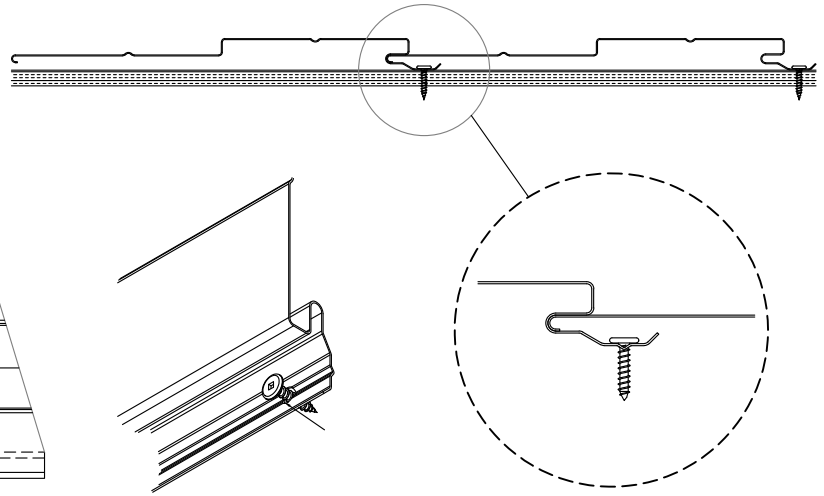
DESIGN WALL

HORIZONTAL INSTALLATION
OPEN FRAMING

ELEVATION







NOTES :

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- THE PANEL IS INSTALLED FROM TOP TO BOTTOM
- METAL SUBGIRT INSTALLATION AT 24" C/C. (610MM) (IF THE SPACING IS DIFFERNENT, REFER TO THE TABLE OF CHARGES)

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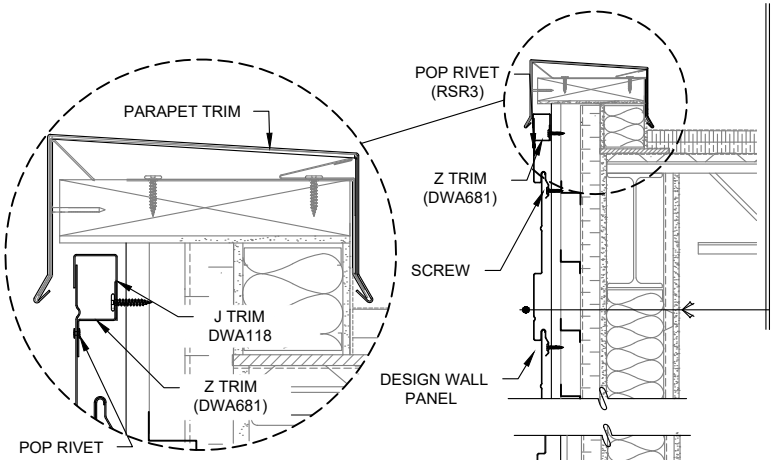
DESIGN WALL

HORIZONTAL INSTALLATION
OPEN FRAMING

WALL STRUCTURE

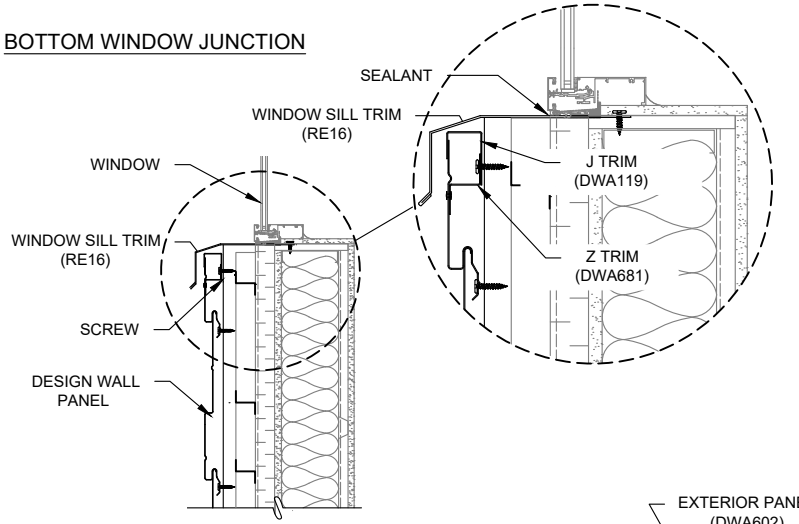
PARAPET JUNCTION



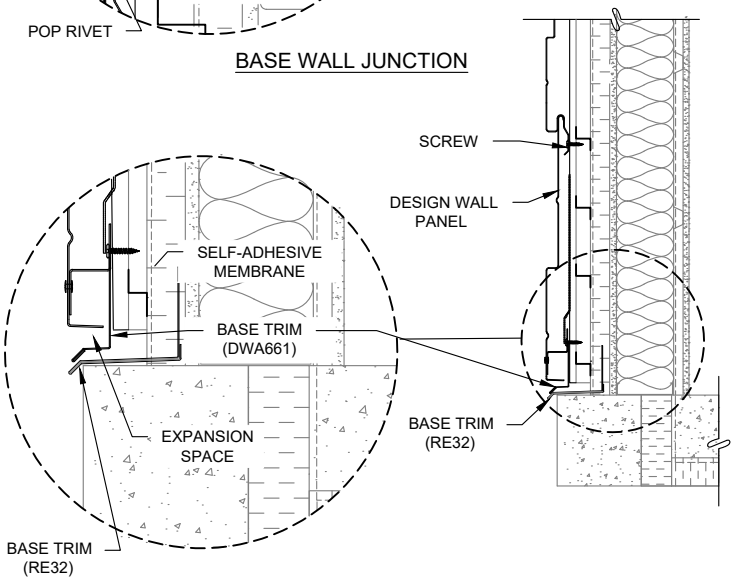
EXTERIOR WALL

- DESIGN WALL METAL PANEL
- VERTICAL METAL SUBGIRT
- HORIZONTAL Z BARS
- INSULATION PANEL
- AIR BARRIER MEMBRANE
- EXTERIOR GYPSE
- METAL STUD
- MINERAL FIBER INSULATION
- VAPOR BARRIER MEMEBRANE
- HORIZONTAL METAL SUBGIRT
- GYPSE PANEL

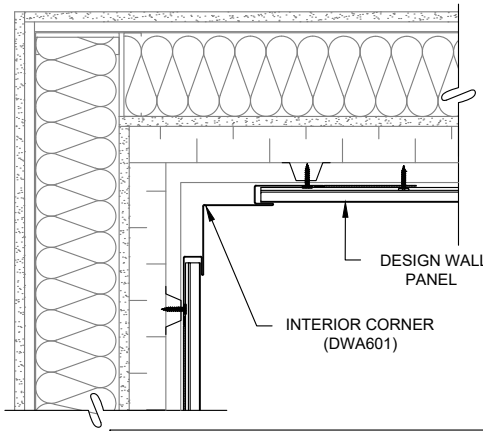
BOTTOM WINDOW JUNCTION



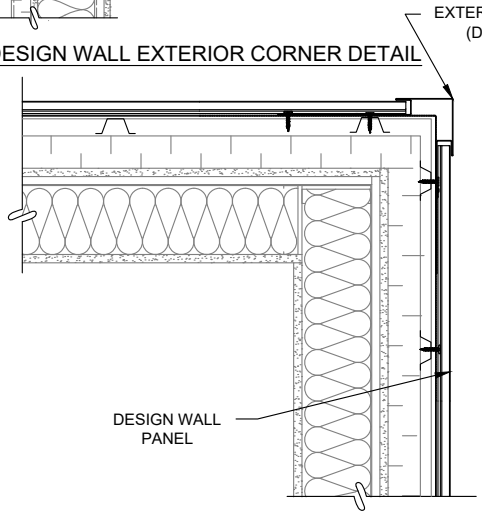
BASE WALL JUNCTION



DESIGN WALL INTERIOR CORNER DETAIL



DESIGN WALL EXTERIOR CORNER DETAIL



NOTES :

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(SEE EXPANSION FACTOR TABLE)
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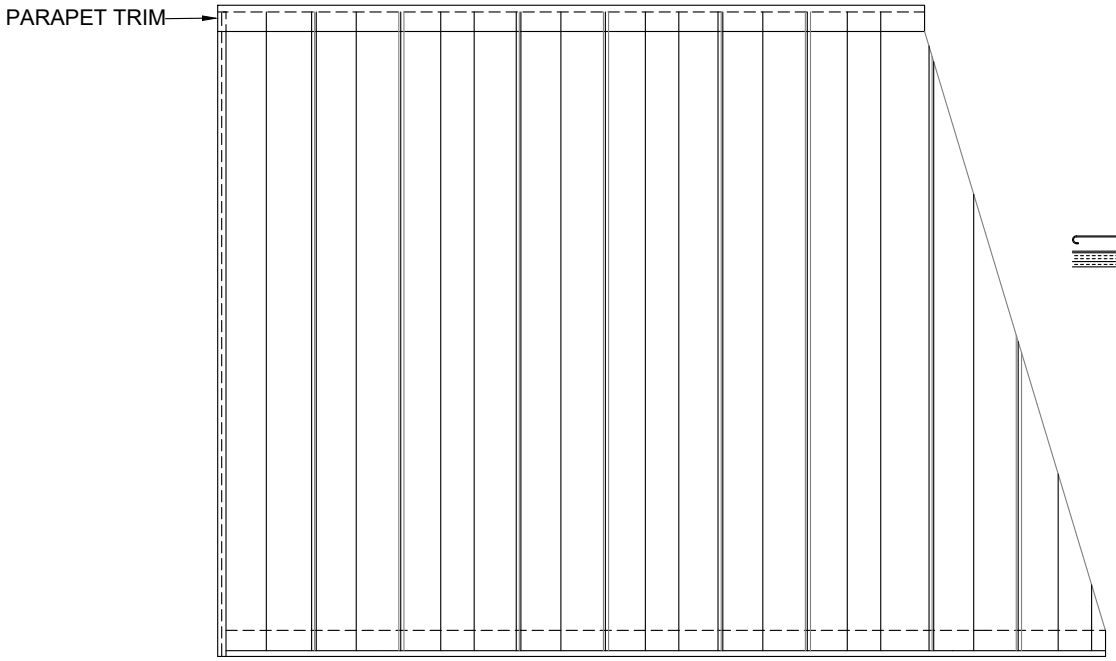
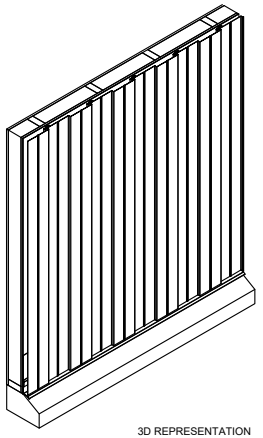
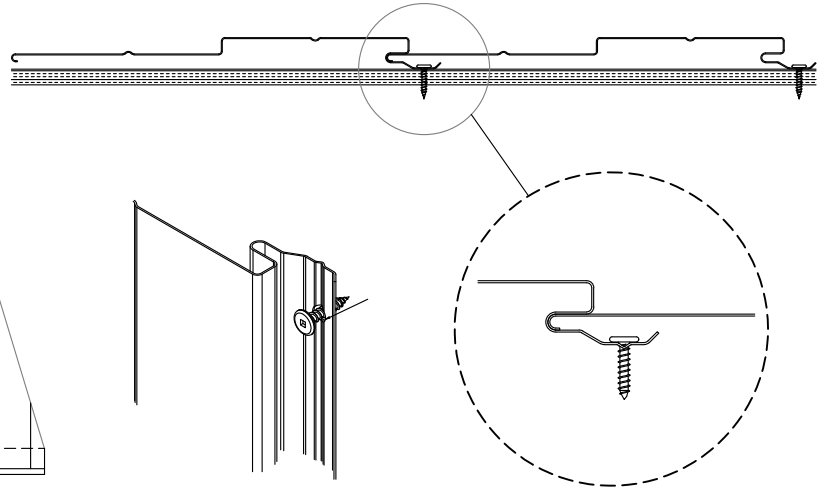
DESIGN WALL

VERTICAL INSTALLATION
SOLID SUBSTRATE

ELEVATION




3D REPRESENTATION



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THE PANEL IS INSTALLED FROM LEFT TO RIGHT.

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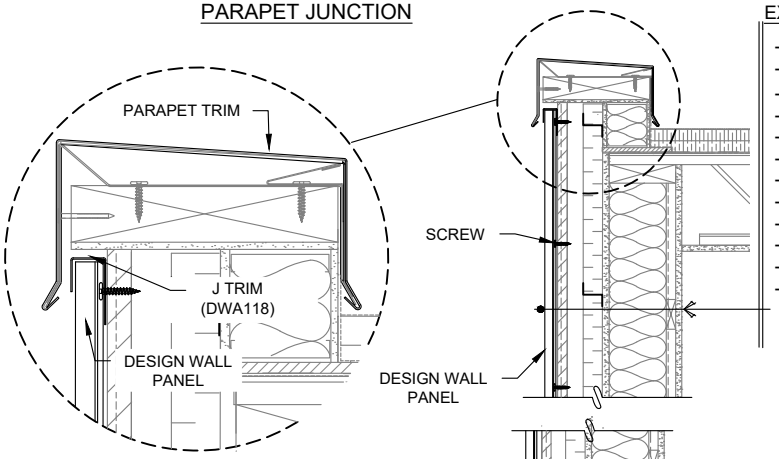
DESIGN WALL

VERTICAL INSTALLATION
SOLID SUBSTRATE

WALL STRUCTURE

PARAPET JUNCTION



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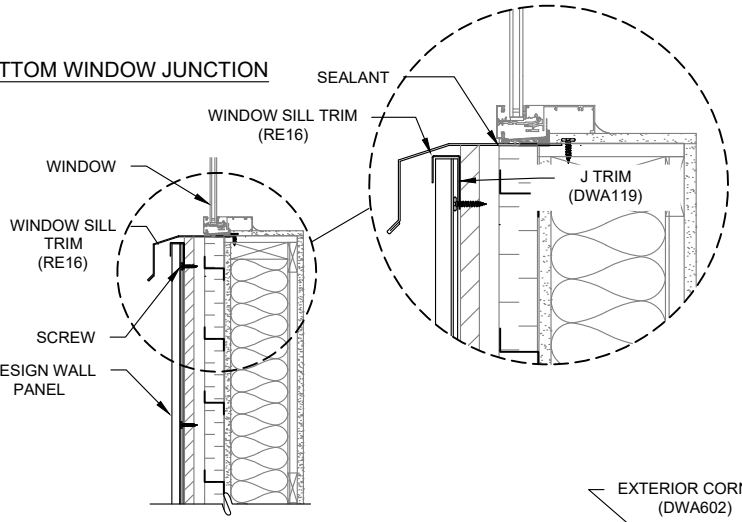
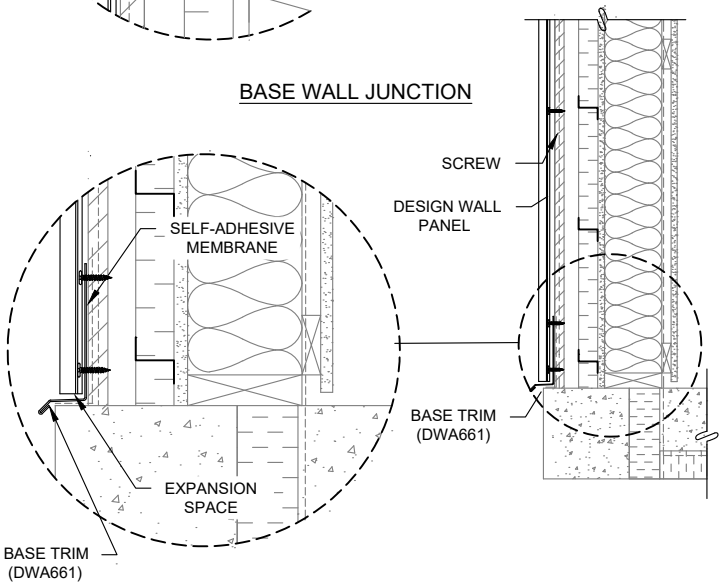
- HORIZONATAL WOOD BATTEN
- GYPSE PANEL

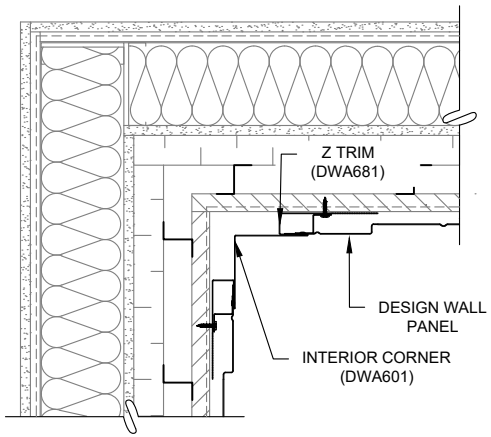
BOTTOM WINDOW JUNCTION



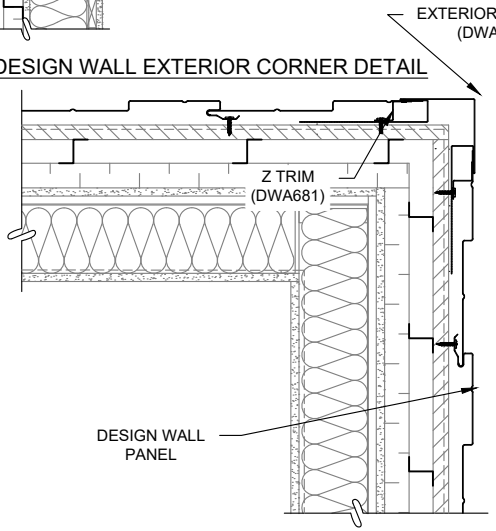
BASE WALL JUNCTION



DESIGN WALL INTERIOR CORNER DETAIL



DESIGN WALL EXTERIOR CORNER DETAIL



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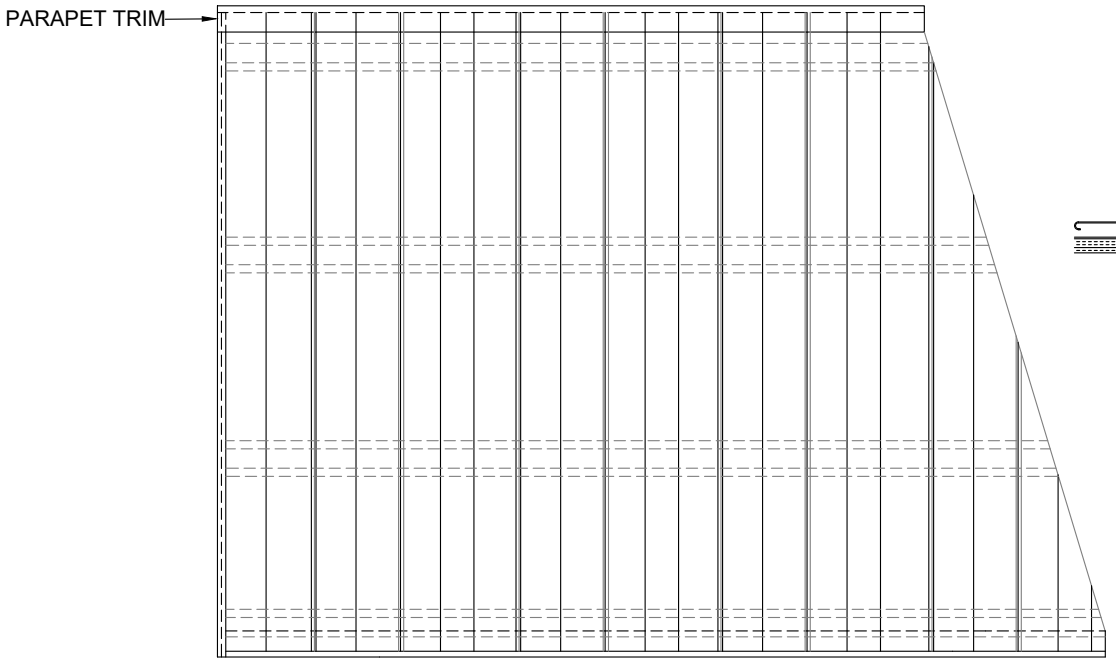
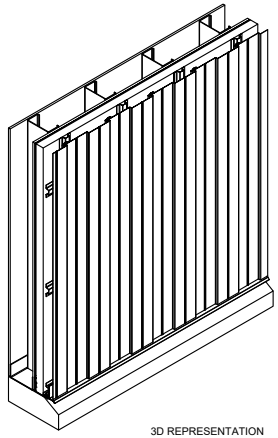
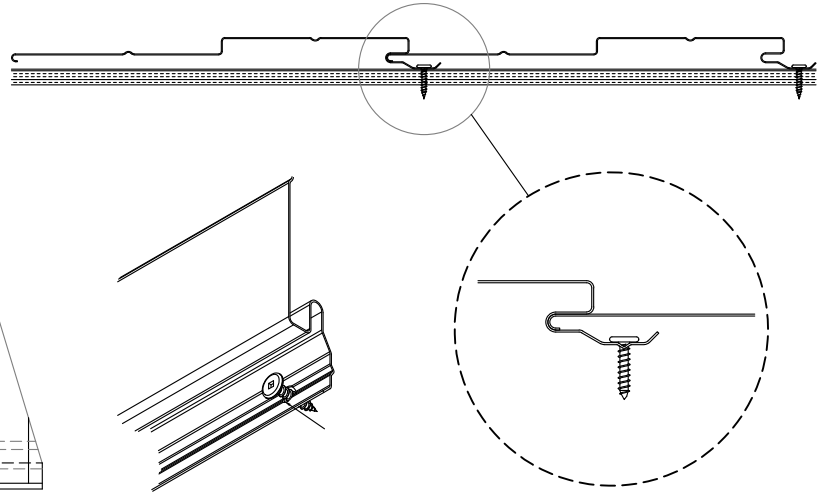
DESIGN WALL

VERTICAL INSTALLATION
OPEN FRAMING

ELEVATION




3D REPRESENTATION



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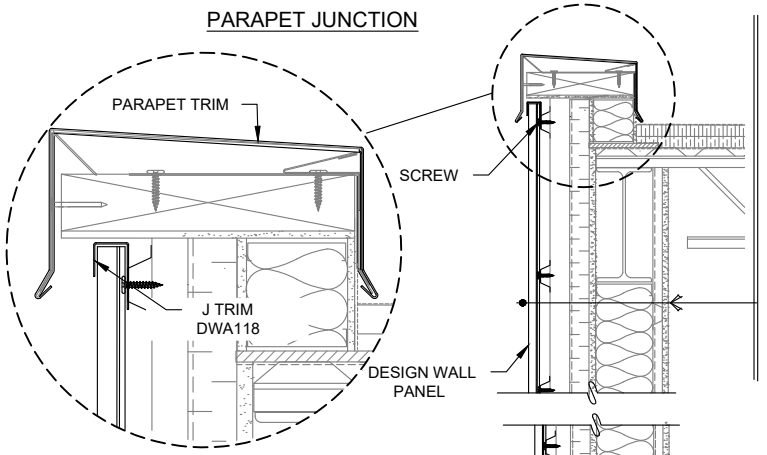
DESIGN WALL

VERTICAL INSTALLATION
OPEN FRAMING

WALL STRUCTURE

PARAPET JUNCTION



EXTERIOR WALL

- DESIGN WALL METAL PANEL
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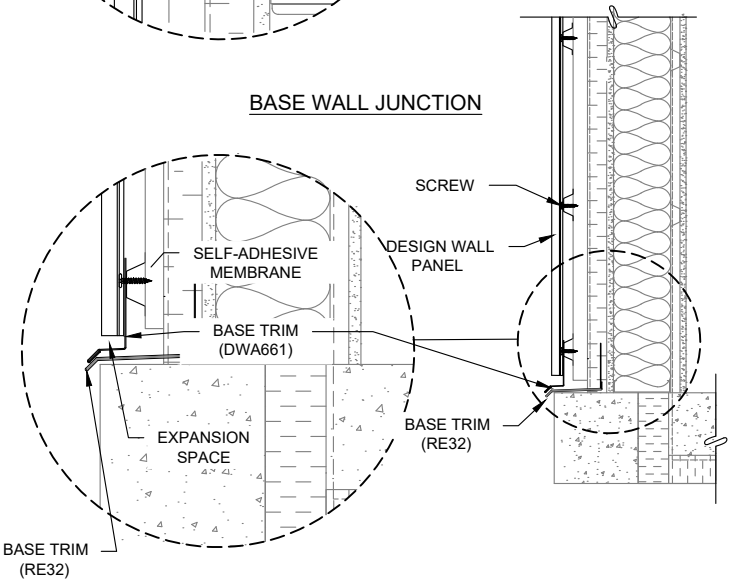
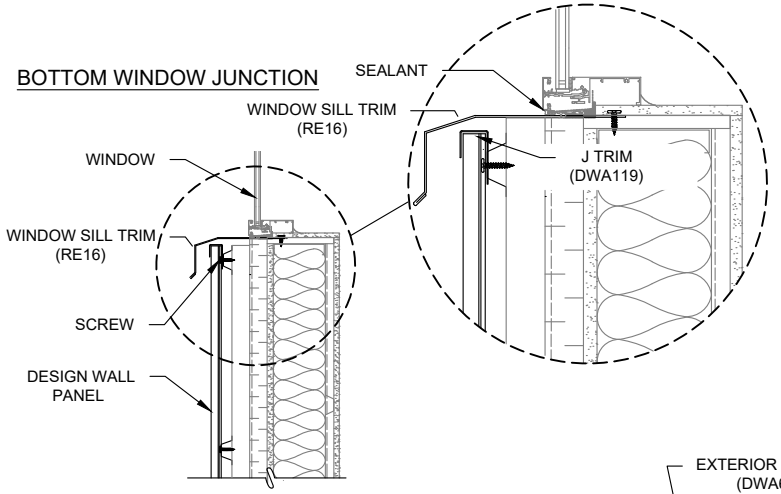
- VAPOR BARRIER MEMEBRANE
- HORIZONTAL METAL SUBGIRT
- GYPSE PANEL

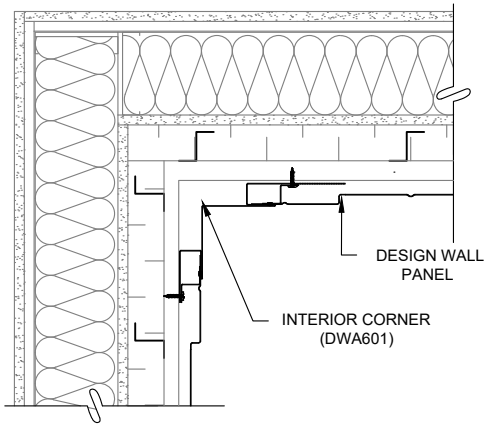
BASE WALL JUNCTION



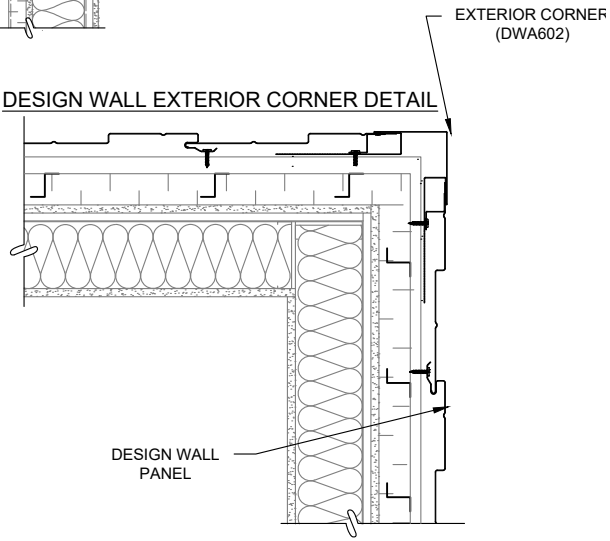
BOTTOM WINDOW JUNCTION



DESIGN WALL INTERIOR CORNER DETAIL



DESIGN WALL EXTERIOR CORNER DETAIL



NOTES :
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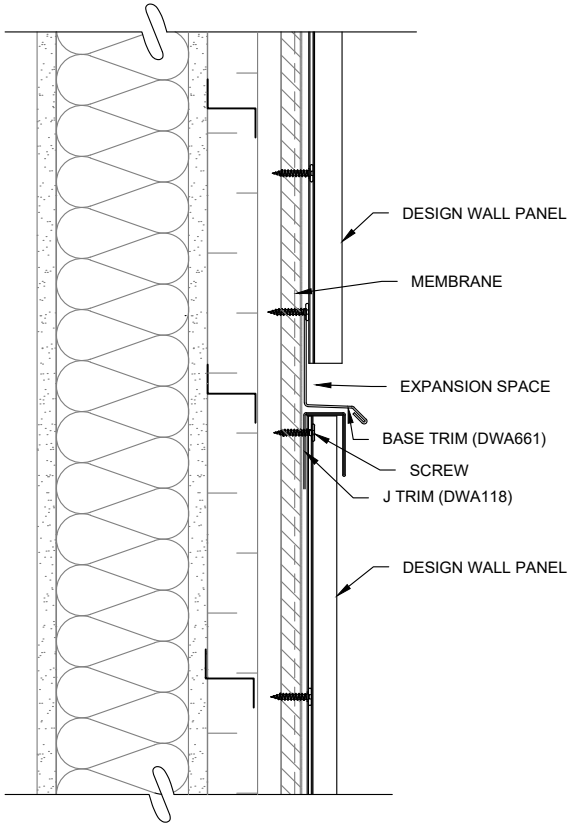
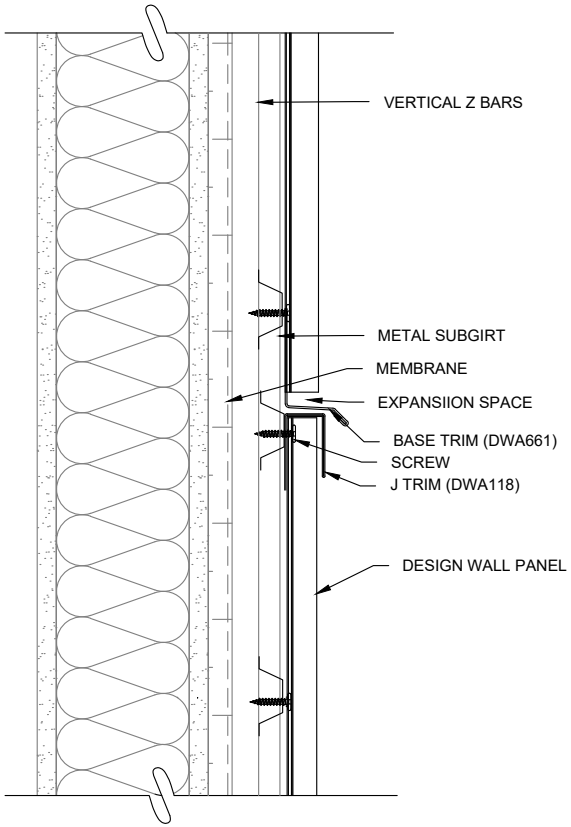
DESIGN WALL

PANEL INSTALLATION - SPECIFIC DETAILS

HORIZONTAL TRANSITION INSTALLATION SOLID SUBSTRATE - PANEL INSTALLED VERTICALLY



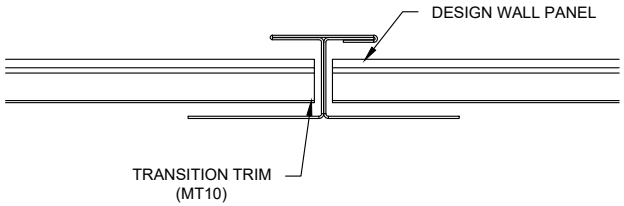
HORIZONTAL TRANSITION INSTALLATION OPEN FRAMING - PANEL INSTALLED VERTICALLY



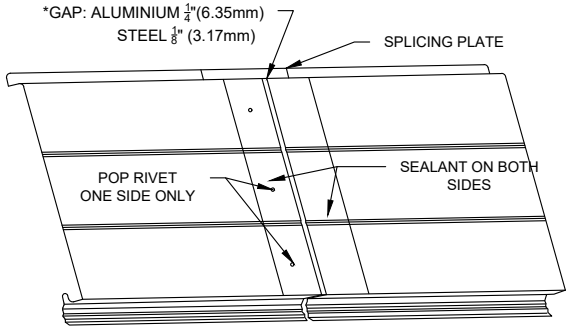
VERTICAL TRANSITION INSTALLATION - PANEL INSTALLED HORIZONTALLY

OPTION 1 : TRANSITION TRIM

PLAN VIEW



OPTION 2 : SPLICING PLATE



PANEL SPLICE NOTE :

THE JUNCTION SPLICE IS APPLICABLE ONLY ON HORIZONTAL INSTALLATION AT A MAXIMUM PANEL LENGTH OF 21 FEET.

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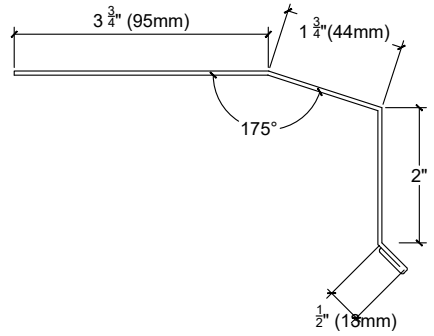
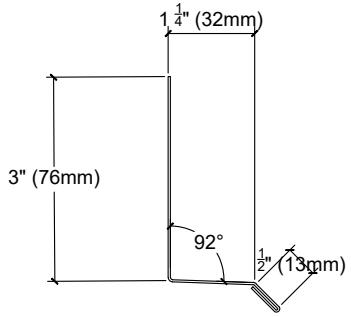
DESIGN WALL

TRIMS AND ACCESSORIES

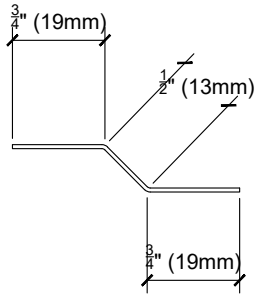
WINDOW SILL TRIM
(RE16)
RAW MATERIAL : 8,5" (216mm)



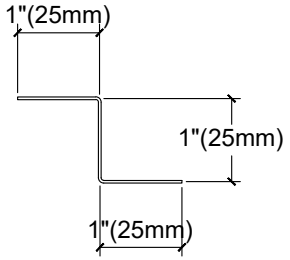
BASE TRIM
(DWA661)
RAW MATERIAL : 5,25" (134mm)



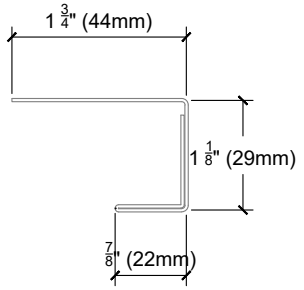
PANEL SUPPORT TRIM
(DWA975)
RAW MATERIAL : 2.0" (51mm)



Z TRIM
(DWA681)
RAW MATERIAL : 3.0" (76mm)

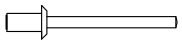


J TRIM
(DWA118)
RAW MATERIAL : 5,75" (146mm)



NOTE FOR TRIMS :

- THE EXPANSION OF ALUMINUM AND STEEL DEPENDS ON A COMBINATION OF SEVERAL FACTORS: THE LENGTH AND WIDTH OF THE PANEL, THE THICKNESS OF THE MATERIAL, ITS COLOR, THE LEVEL OF SUN EXPOSURE, THE TEMPERATURE DURING INSTALLATION. PROVIDE SUFFICIENT EXPANSION SPACE ACCORDING TO THESE FACTORS (SEE EXPANSION FACTOR TABLE).



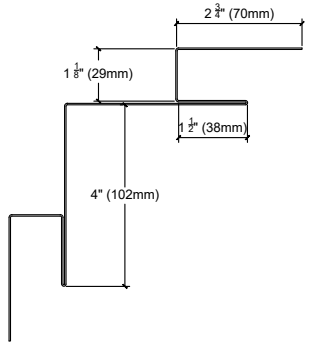
POP RIVET
(RSR3)
PAINTED STAINLESS STEEL

3R Tiles
ARCHITECTURAL METAL SIDING • ROOFING
3856 RUE IMELDA-LEFEBVRE, SHERBROOKE
QC J1N 1B2
(819) 791-3276

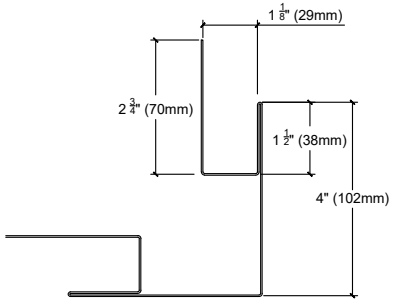
DESIGN WALL

TRIMS AND ACCESSORIES

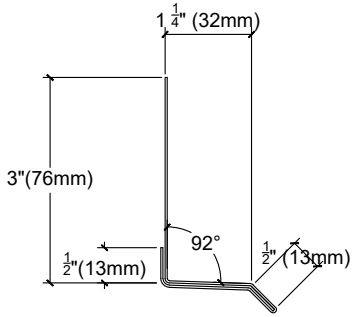
INTERIOR CORNER
(DWA601)
RAW MATERIAL : 18,75" (476mm)



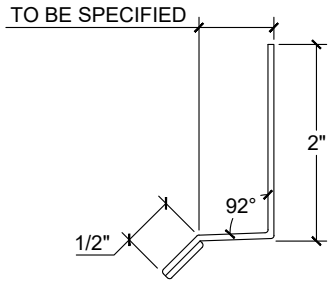
EXTERIOR CORNER
(DWA602)
RAW MATERIAL : 18,75" (476mm)



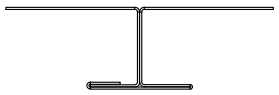
BASE TRIM
(DWA662)
RAW MATERIAL : 7.50" (191mm)

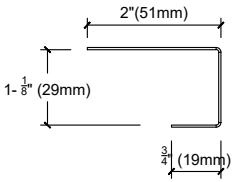


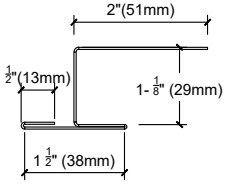
BASE TRIM
(RE32)
RAW MATERIAL : TO SPECIFY



TRANSITION TRIM
(MT10)
RAW MATERIAL : 9" (229mm)







NOTE FOR TRIMS :

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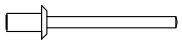

POP RIVET
(RSR3)
PAINTED STAINLESS STEEL