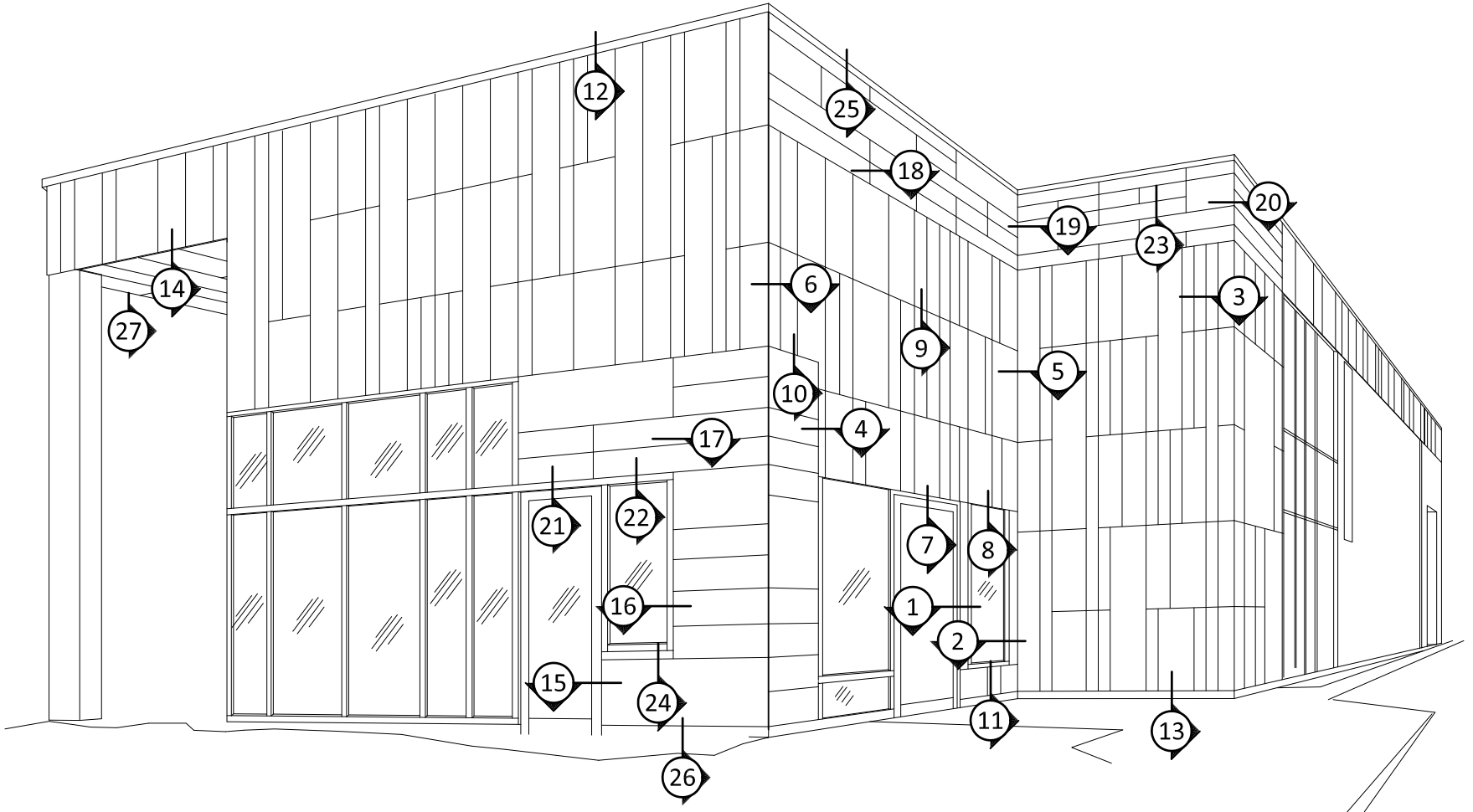
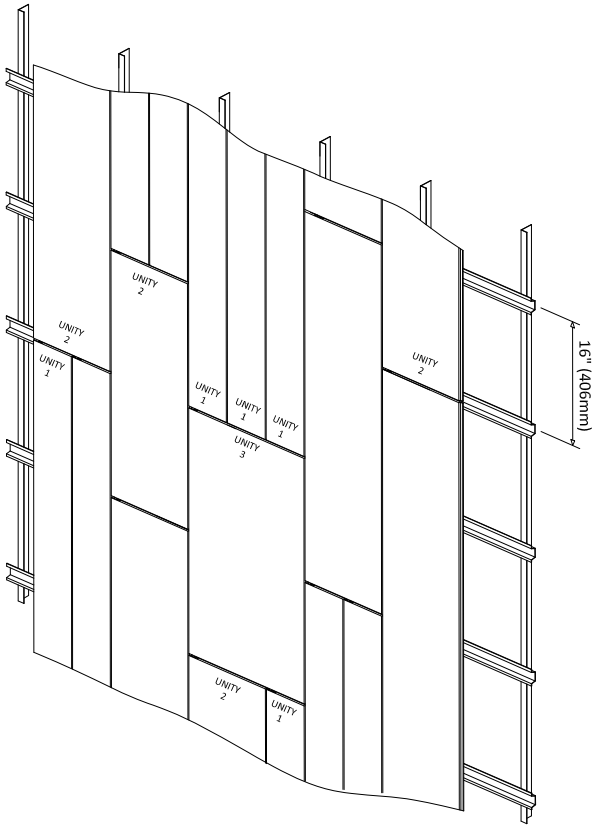
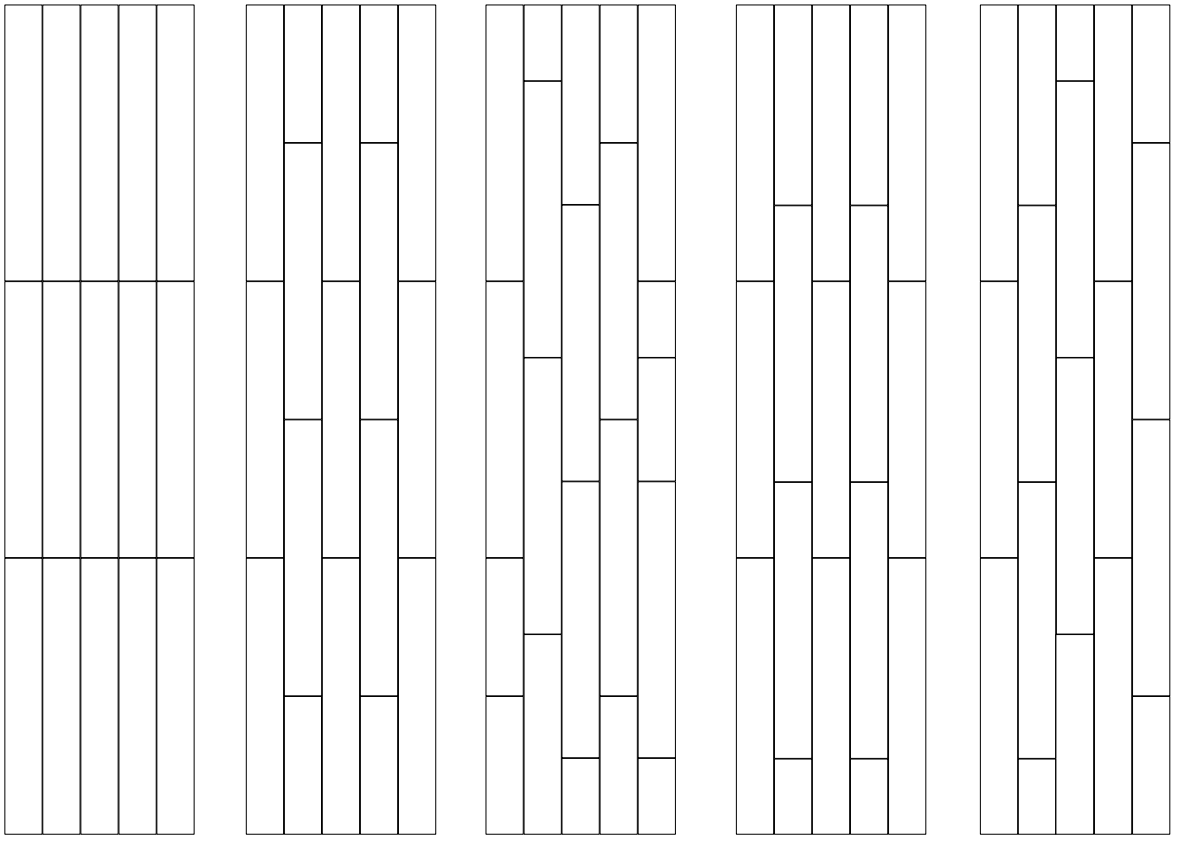


ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

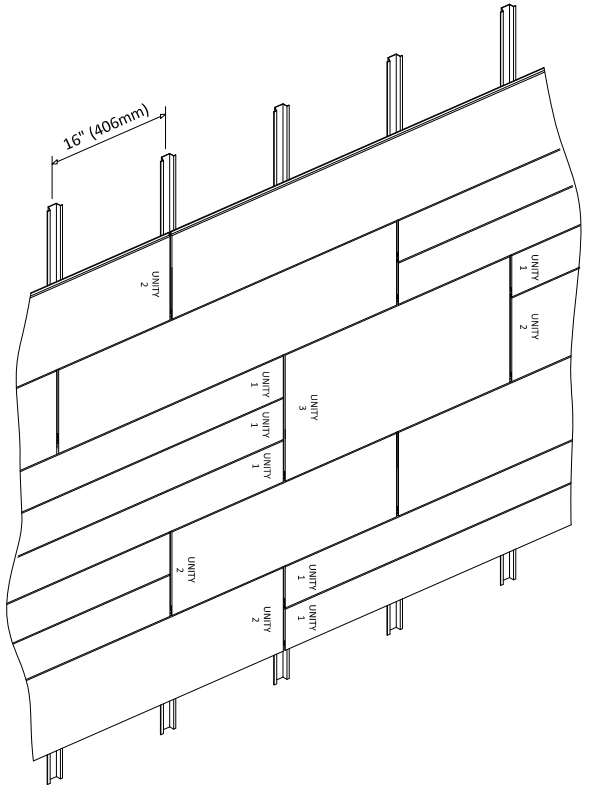
TITLE:		DESIGN BY:	DATE:
DETAIL LOCATOR		CM	2021-03-28
SYSTEM:	SCALE: / DETAIL: / APPROVED BY:		REV: / DATE:
SPECTRUM UNITY WITH ATS-811 SYSTEM ON STUDS WALL	NONE / A / CM		

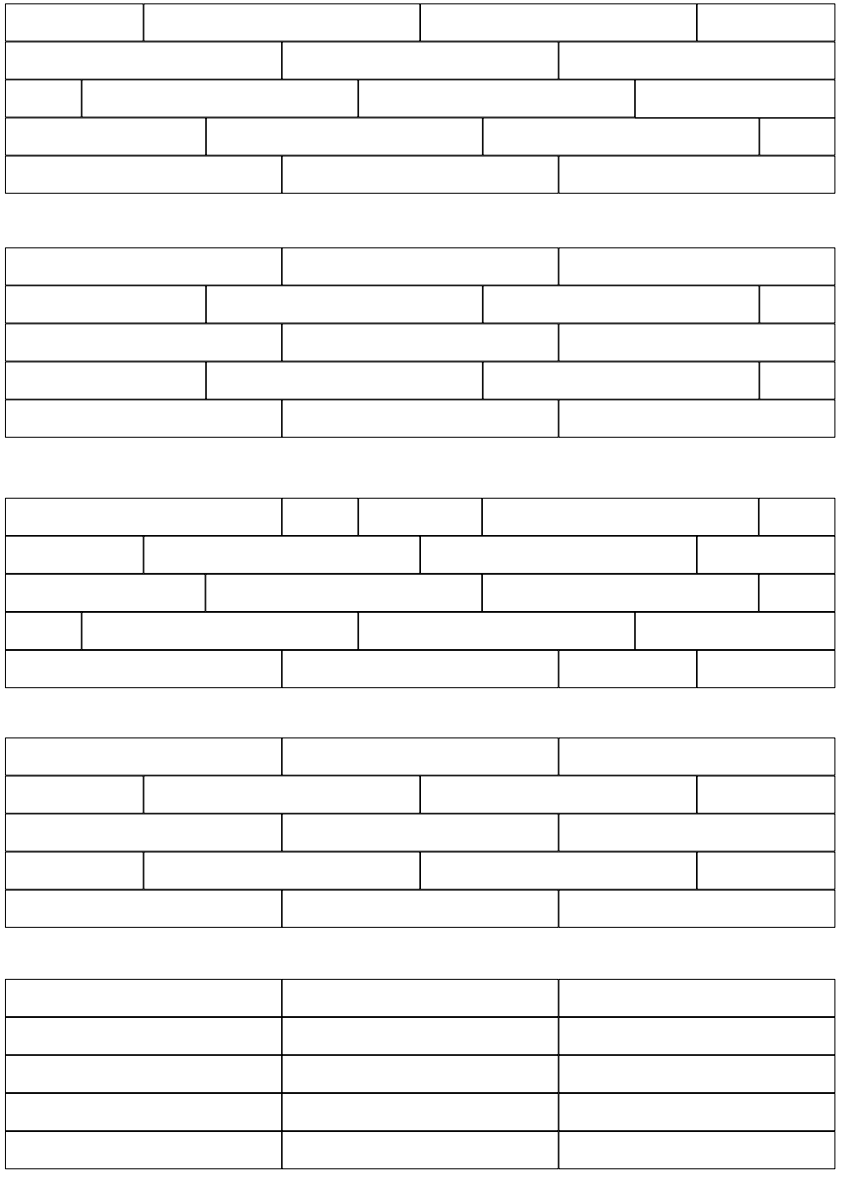




ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:		DESIGN BY:	DATE:
LAYOUT		CM	2021-03-28
SYSTEM:	SCALE: / DETAIL: / APPROVED BY:		REV: / DATE:
SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE / B / CM		

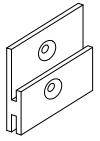
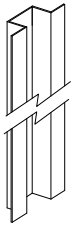
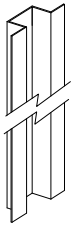
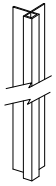
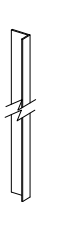
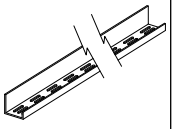
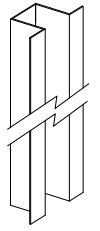




ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: **LAYOUT**				DESIGN BY: CM	DATE: 2021-03-28
SYSTEM: **SPECTRUM UNITY HORIZONTAL** WITH ATS-811 SYSTEM ON STUDS WALL		SCALE: NONE	DETAIL: C	APPROVED BY: CM	REV:
					DATE:

AAA-01	AAA-04	AAA-07	JT3-LT-3				
#12-14 x 3/4" Tek Self-Drilling Metal Screw	Self-Drilling Metal Screw	#8 x 1/2" Truss Tek Self-Drilling Metal Screw	5.5 x 30 Self-Drilling Metal Screw				

								
810-01	710-01	810-03	810-03B	810-02	810-05	710-05B	810-04B	810-07B
Unity Clip Aluminum	25 x 25 mm (1 x 1") 18 ga. Z-Girt Unpainted G90 Galv. Steel	25x90 mm (1x3-1/2") 18 ga. Hat Channel Unpainted G90 Galv. Steel	25x90 mm (1x3-1/2") 18 ga. Hat Channel Black Painted G90 Galv. Steel	Outside Corner Molding Aluminum	L Molding Aluminum	75 mm x 75 mm (3" x 3") 26 ga. Black Painted Metal	Starter rail/ Vent Screen 18 ga. Black Painted G90 Galv. Steel	52x90 mm (2x3-1/2") 18 ga. Hat Channel Unpainted G90 Galv. Steel

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: **COMPONENTS**			DESIGN BY: CM	DATE: 2021-03-28	
SYSTEM: **SPECTRUM UNITY** WITH ATS-811 SYSTEM ON STUDS WALL	SCALE: NONE	DETAIL: D	APPROVED BY: CM	REV:	DATE:

1. Refer to and review materials handling, storage and processing guidelines section of the latest version of the ATS Installation Instruction Manual.

2. Inspect and inventory all subframing, fasteners and panels deliveries upon arrival. Note any damage that may have occurred during shipping and take photographs of the damage and packaging if possible. Notify ATS of any damage or missing items.

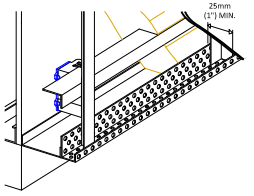
3. Subframing and all fasteners should be installed in accordance with specifications, shop drawings and manufacturer's recommendations.

4. Subframing anchors are not provided by ATS and should be carefully selected based on the project specific design loads. They should not interfere with and conform to the guidelines of the weather barrier manufacturer and specifications. Some weather barrier types are not self healing and will require additional sealant at penetration points.

5. Subframing components (z-girts, etc.) are typically installed vertically and the installer must allow for independent thermal expansion and contraction. Pieces can be used in line together to achieve the desired length of channel, although it is most desirable to align subframing joints with panel joints. Typical Z-girts and Hat-girts stock lengths are 10 feet.

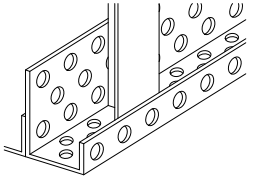
6. Caution should be used at areas of discontinuity (expansion joints, flashing detail, anchor penetration points, etc.). At no point can subframing be placed over expansion joints. Dissimilar load bearing wall assemblies will require a break in the subframing assembly.

7. Spectrum Unity can be used as part of a ventilated façade system which allows air circulation between the façade material and the water resistant layer behind.
To enhance natural ventilation, the façade should be installed with a cavity of at least 25mm (1") deep behind the façade material.

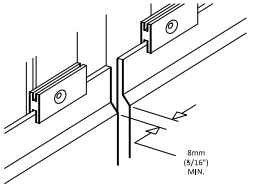


8. For a sufficient water resistant layer, depending on the application, apply a WRB (weather resistant barrier) complying with the local building code requirements.

9. At the bottom and top of the cladding, as well as at each interruption in the façade (e.g. window frames), ventilation spaces should be made of at least 2.4 sq.in. per linear foot of façade.

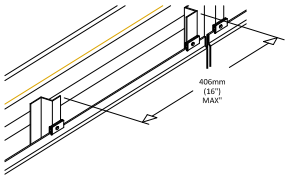


10. The width of the intermediate joint must be at least 8mm (5/16").



11. The maximum distance between the vertical Z-girt (710-01) or hat-channel (810-03B) should be 406mm (16") on center.

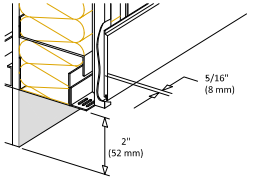
12. Hat-channel (810-03B) should be used only where 2 planks meet. The Z-girts (710-01) should be used as the intermediate furring.



13. If unpainted galvanized steel hat-channel (810-03) are used instead of the pre-painted ones (810-03B), add a band of 102mm (4") wide 26ga black flat stock material (by others) between the hat-channel and the universal clips. The flat stock material will provide a black finish reveal where 2 planks meet.

14. A gap of 8mm (5/16") should always be kept between the end of a plank and any other object (other plank, outside corner profile, window frame, etc.)

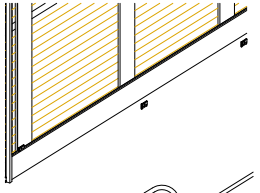
15. Begin the installation by positioning the starter rail/vent screen (810-04B) perfectly level and at least 50mm (2") above a finish and stable grade.



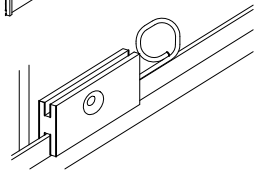
16. Place the Unity planks by sliding them on top of the starter rail/vent screen (810-04B).

17. Once the first row of Unity planks is installed, place the Unity clips (810-01) with the head facing up.

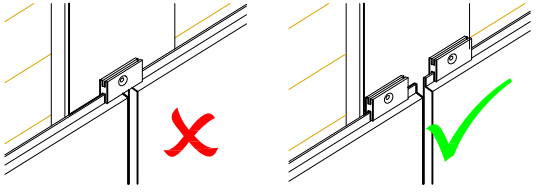
18. Secure to the galvanized steel Z-girts and Hat-channel the Unity clip (810-01) using the AAA-04 self-drilling screws into the top hole.



19. Use the spacer tool (paper clip) provided to allow for a 1mm (3/64") vertical expansion.

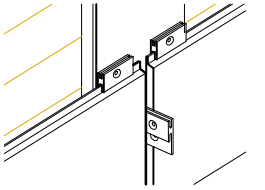


20. Each Unity plank should be locked in place by adding a bead of adhesive (Bostik PanelTak Hm or Sika Sikaflex 221 or Dow U-428) between the Unity clip that is as close as possible to the center of the plank and the plank itself (one locking location only per plank).

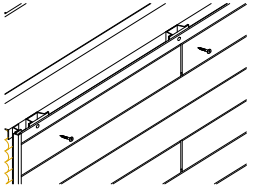


21. When placing a row of Unity planks, always check that an intermediate joint is supported on both sides by its own Unity clip.

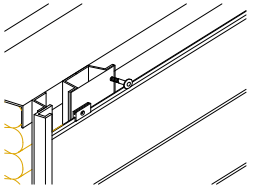
22. The Unity clip (810-01) can be used as a 8 mm (5/16") spacer between (2)two planks or between a plank and any other item.



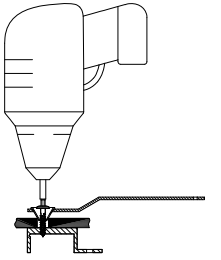
23. The top row of planks should be cut down to size using a saw. Once these planks are cut, the tongue will be removed and the Unity clips will be unusable to fix the last row of planks. The Unity planks should be secured in place by using the Ejot JT3-LT-3 screws. 8 mm (5/16") holes should be pre-drilled into the plank before using the Ejot screws. These holes should not be closer to any edge than 19 mm (3/4").



24. On the last row of planks, an Ejot JT3-LT-3 screw can be used as a shim to make sure that top portion the planks won't lean against galv. steel sub-structure. The screw head is about the same thickness as the portion of the Unity clip that generates a gap between the backside of the plank and the sub-structure.



25. Use the supplied centering tool to guide the self-drilling screws into the remaining sliding point (oversized) panel holes. Do not over tighten the screws. Snug/hand tight and flush with the panel face is sufficient or stripping or shearing the fastener head might occur.



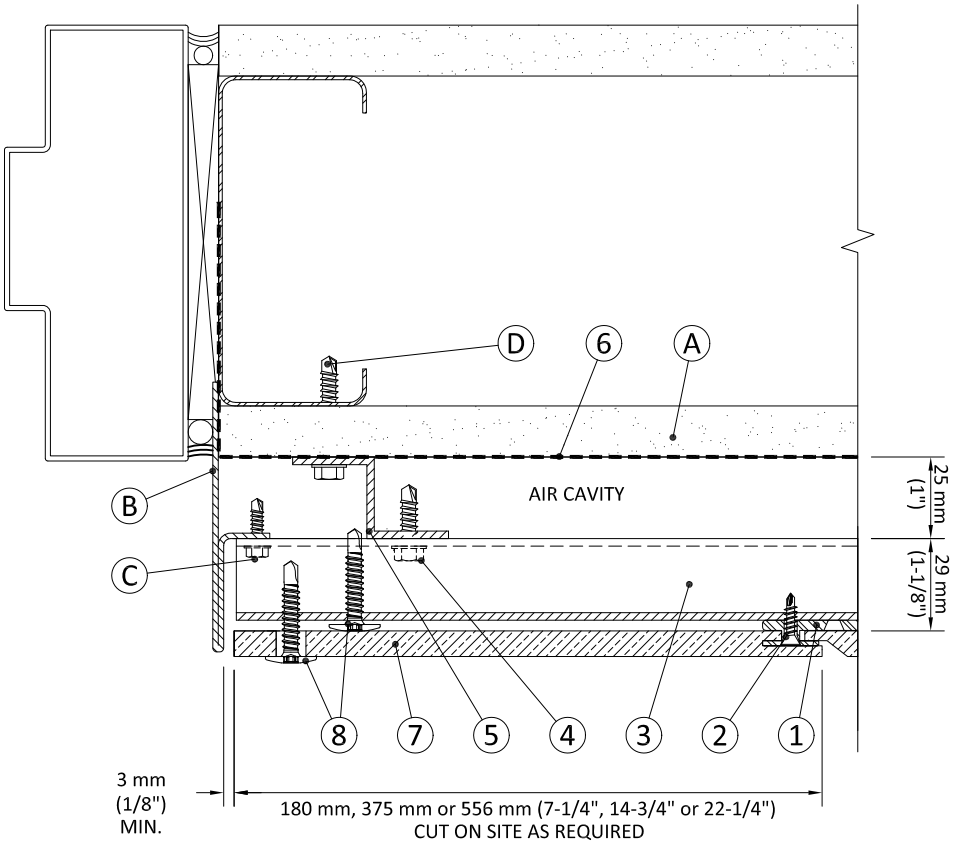
26. If field modification of a panel is required, consult the fabrication section of the latest version of the ATS Installation Manual first. Always use carbide or diamond tipped tooling and correct feed rates. Laminate floor blades are highly recommended for cutting Trespa. The blade height should be set to twice the thickness of the panel to be cut. On a table saw, the nice finish surface (Decor) of the panel should be facing up and it should be facing down when using a portable saw.

27. Trespa panels should be cleaned with soaps and water, rinsed well, and wiped dry to remove construction dirt and avoid streaking. Do not use abrasive or polishing compounds. For more stubborn stains, graffiti, pollution, etc., use the Zep WriteAway spray cleaner.

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
INSTALLATION MANUAL	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY WITH ATS-811 SYSTEM ON STUDS WALL	NONE	E	CM	DATE:



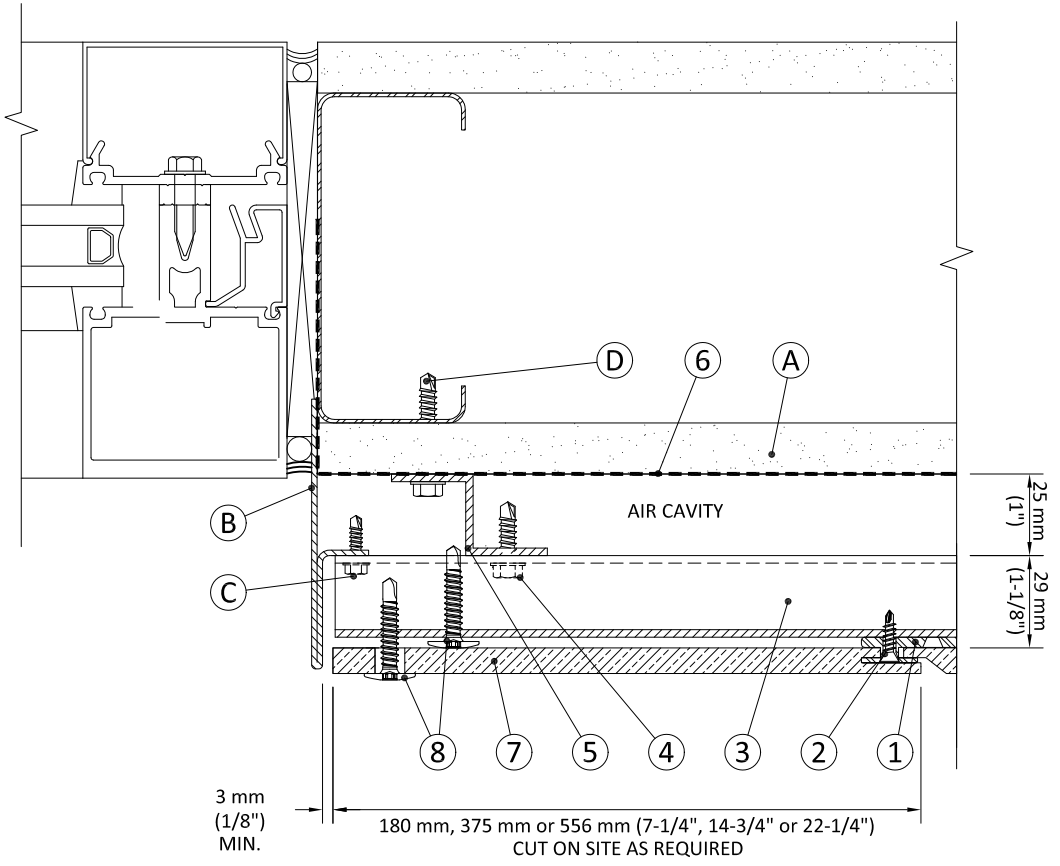
No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Horizontal Galv. Steel Hat-Girt - Black Painted (810-03B)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	25 mm (1") Min - 18 Ga. Min. Vertical Galv. Steel Z-Girt - Unpainted (710-01)
6	Dörken Delta Vent SA or Other Approved WRB
7	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
8	Ejot JF3-LT-3-5.5 X 30 or SFS Intec Equal Approved SS Colour Matched Screw

No.	Description (supplied by others)
A	Sheathing Type X
B	System Closure
C	Flashing Anchor
D	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
DOOR JAMB WITH FLASHING RETURN	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	1	CM	DATE:



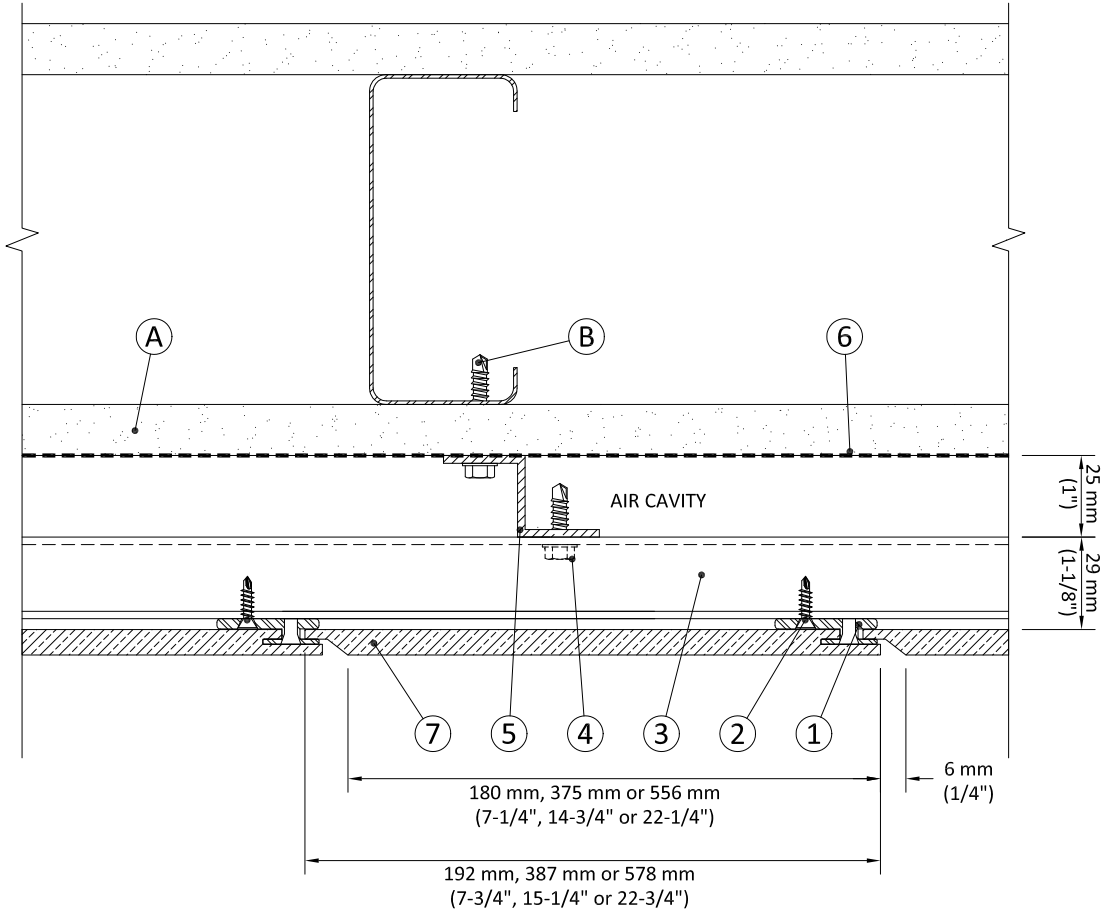
No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Horizontal Galv. Steel Hat-Girt - Black Painted (810-03B)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	25 mm (1") Min - 18 Ga. Min. Vertical Galv. Steel Z-Girt - Unpainted (710-01)
6	Dörken Delta Vent SA or Other Approved WRB
7	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
8	Ejot JF3-LT-3-5.5 X 30 or SFS Intec Equal Approved SS Colour Matched Screw

No.	Description (supplied by others)
A	Sheathing Type X
B	System Closure
C	Flashing Anchor
D	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
WINDOW JAMB WITH FLASHING RETURN	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV: / DATE:
SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	2	CM	



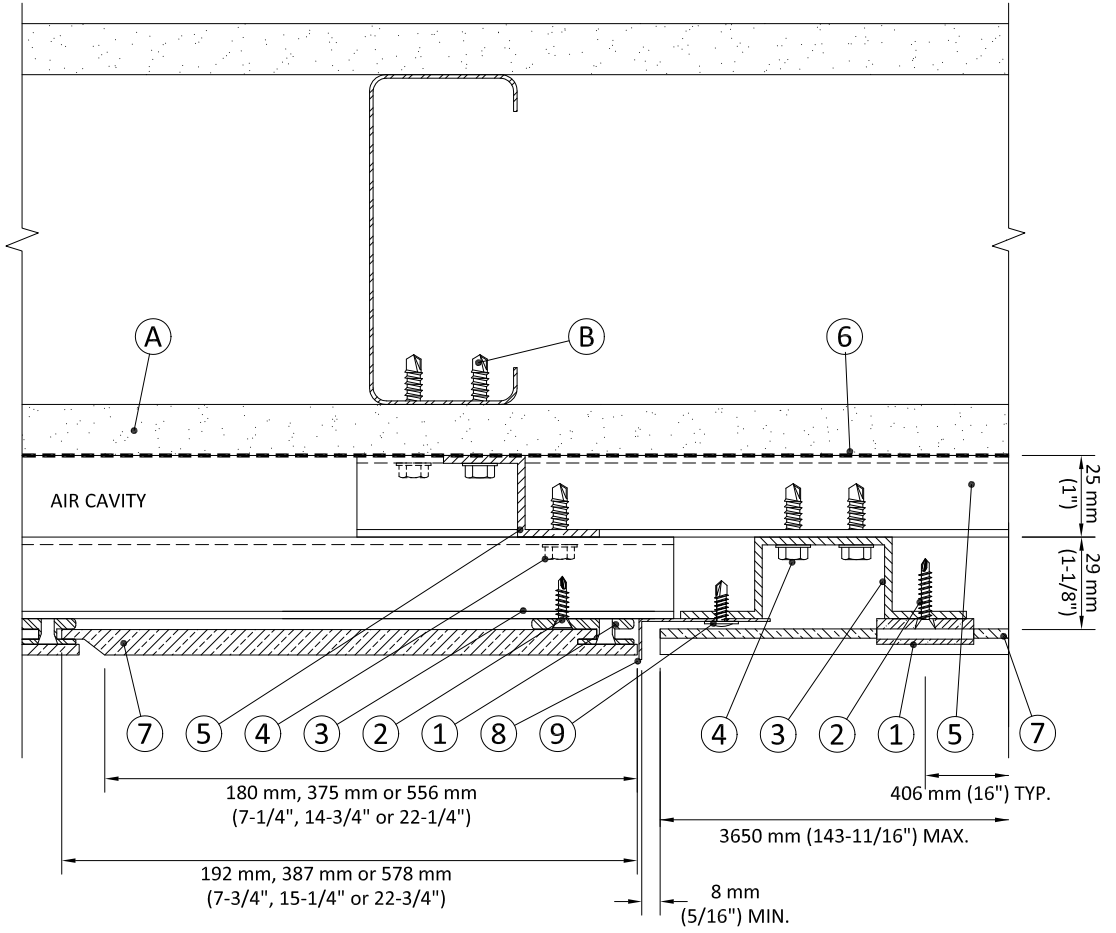
No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Horizontal Galv. Steel Hat-Girt - Black Painted (810-03B)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	25 mm (1") Min - 18 Ga. Min. Vertical Galv. Steel Z-Girt - Unpainted (710-01)
6	Dörken Delta Vent SA or Other Approved WRB
7	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
VERTICAL JOINT	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	3	CM	DATE:

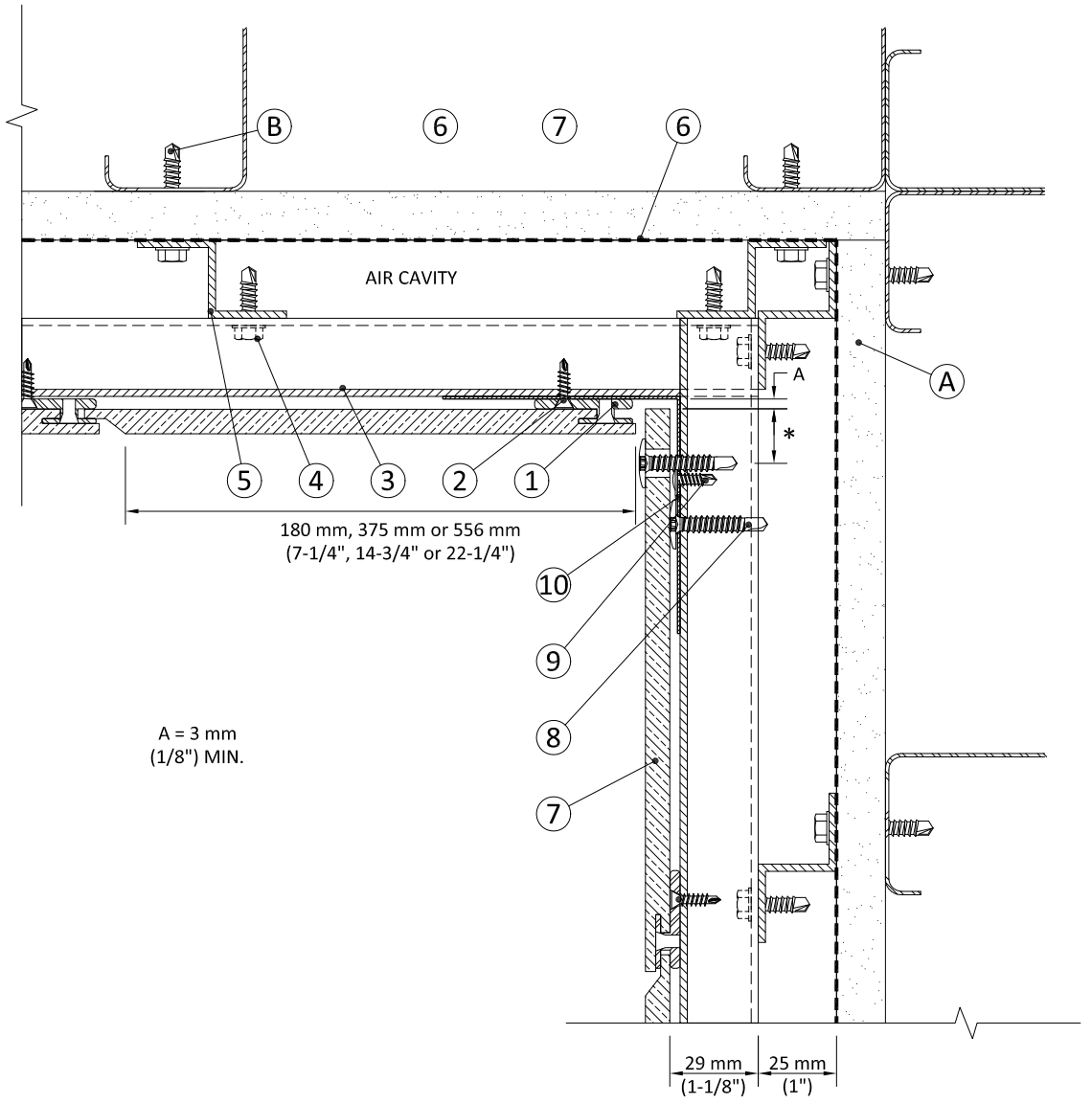


No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Galv. Steel Hat-Girt - Black Painted (810-03B)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)
6	Dörken Delta Vent SA or Other Approved WRB
7	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
8	L Profile 40 mm x 10 mm (1-9/16" x 3/8") Extruded Aluminum (810-05)
9	#8 x 1/2" Truss Tek Self-Drilling Metal Screw (AAA-07)

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: VERTICAL TRANSITION			DESIGN BY: CM	DATE: 2021-03-28	
SYSTEM: SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	SCALE: NONE	DETAIL: 4	APPROVED BY: CM	REV:	DATE:



No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Horizontal Galv. Steel Hat-Girt - Black Painted (810-03B)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)
6	Dörken Delta Vent SA or Other Approved WRB
7	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
8	Ejot JF3-LT-3-5.5 X 30 or SFS Intec Equal Approved SS Colour Matched Screw
9	#8 x 1/2" Truss Tek Self-Drilling Metal Screw (AAA-07)
10	75 mm x 75 mm (3" x 3") 26 Ga. Metal Flashing Corner Closure (710-05B) - Black Painted - Optional

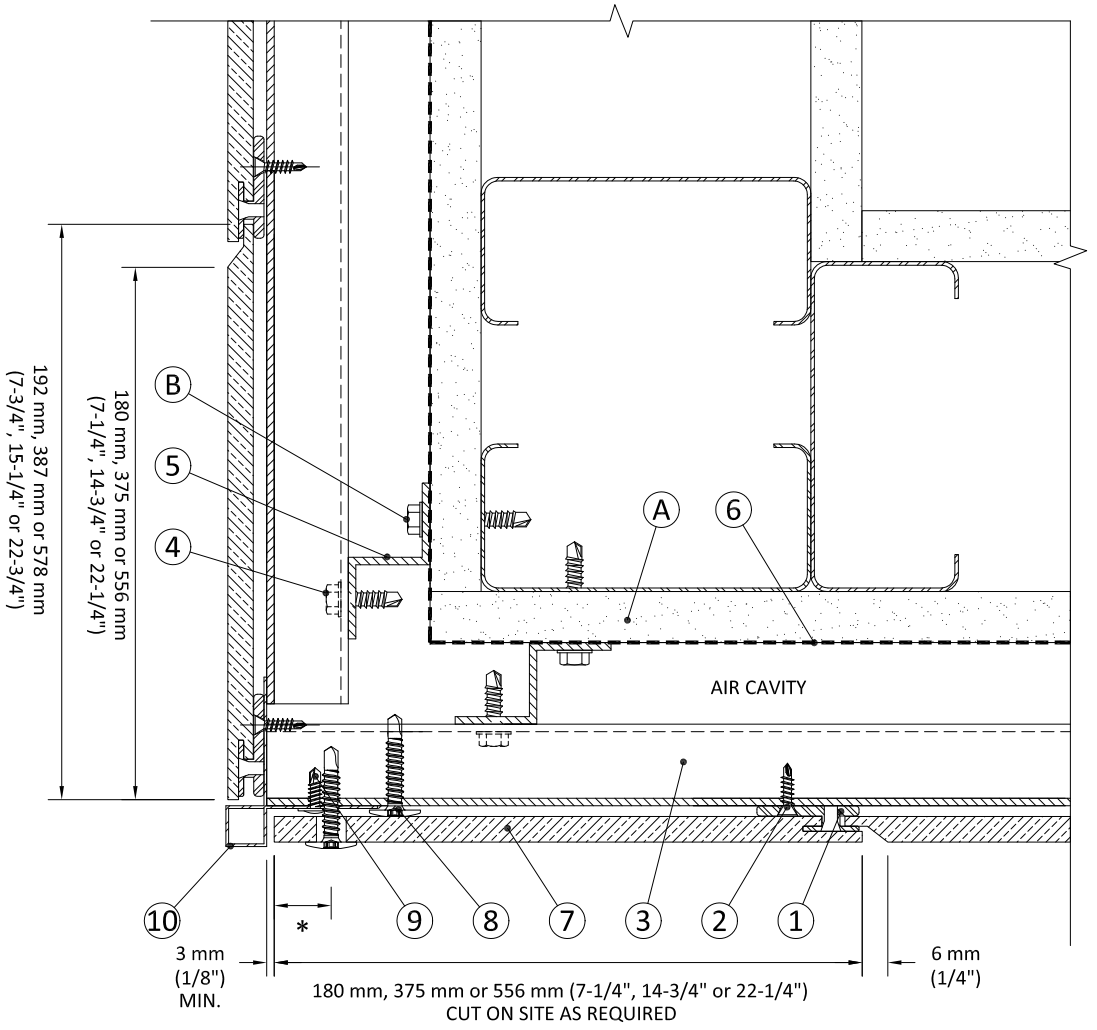
No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girt Anchor

No.	Description
*	Min .19 mm (3/4") - Max. 10x Thickness Of Panel

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
INSIDE CORNER	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	5	CM	DATE:



No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Horizontal Galv. Steel Hat-Girt - Black Painted (810-03B)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)
6	Dörken Delta Vent SA or Other Approved WRB
7	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
8	Ejot JF3-LT-3-5.5 X 30 or SFS Intec Equal Approved SS Colour Matched Screw
9	#8 x 1/2" Truss Tek Self-Drilling Metal Screw (AAA-07)
10	Outside Corner Profile 50 mm x 50 mm (2" x 2") Extruded Aluminum (810-02)

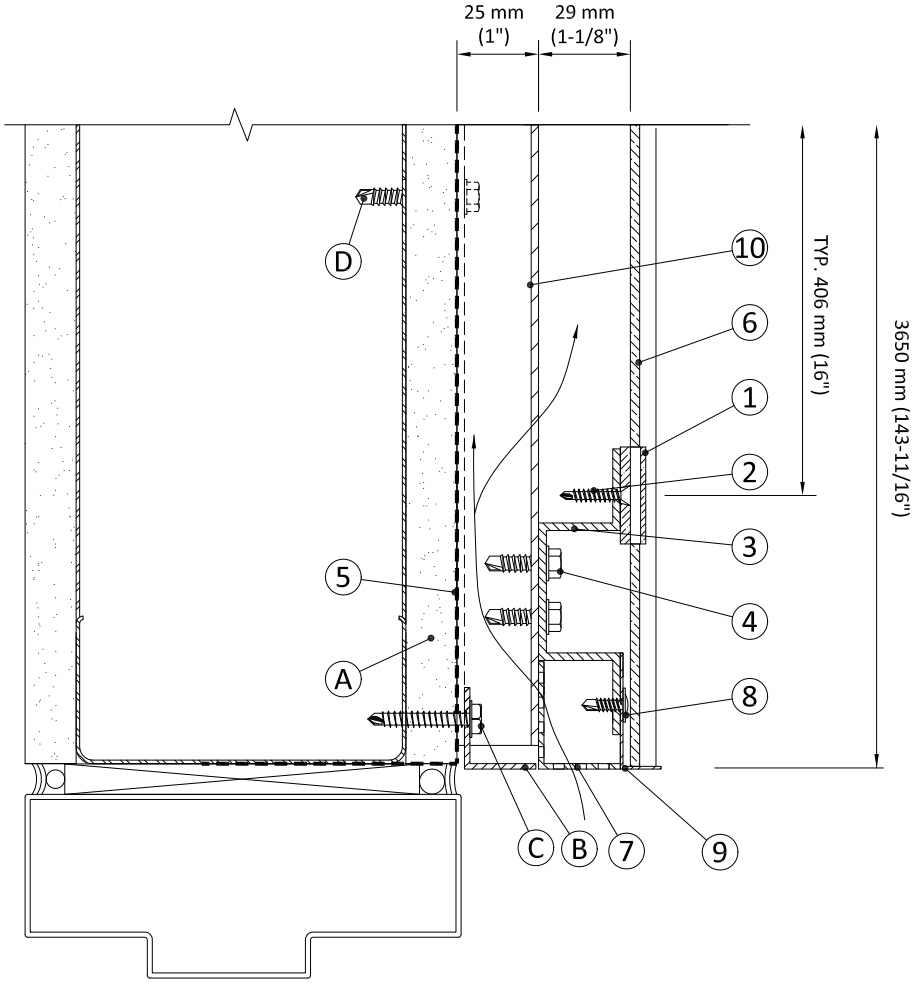
No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girt Anchor

No.	Description
*	Min .19 mm (3/4") - Max. 10x Thickness Of Panel

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
OUTSIDE CORNER	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	6	CM	DATE:



No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Horizontal Galv. Steel Hat-Girt - Black Painted (810-03B)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	Vent Screen (910-07B)
8	#8 x 1/2" Truss Tek Self-Drilling Metal Screw (AAA-07)
9	L Profile 40 mm x 10 mm (1-9/16" x 3/8") Extruded Aluminum (810-05)
10	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)

No.	Description (supplied by others)
A	Sheathing Type X
B	Flashing
C	Flashing Anchor
D	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: **DOOR HEAD W/ FLASHING RETURN - VISIBLE VENT SCREEN**

DESIGN BY: CM

DATE: 2021-03-28

SYSTEM: **SPECTRUM UNITY VERTICAL**
WITH ATS-811 SYSTEM ON STUDS WALL

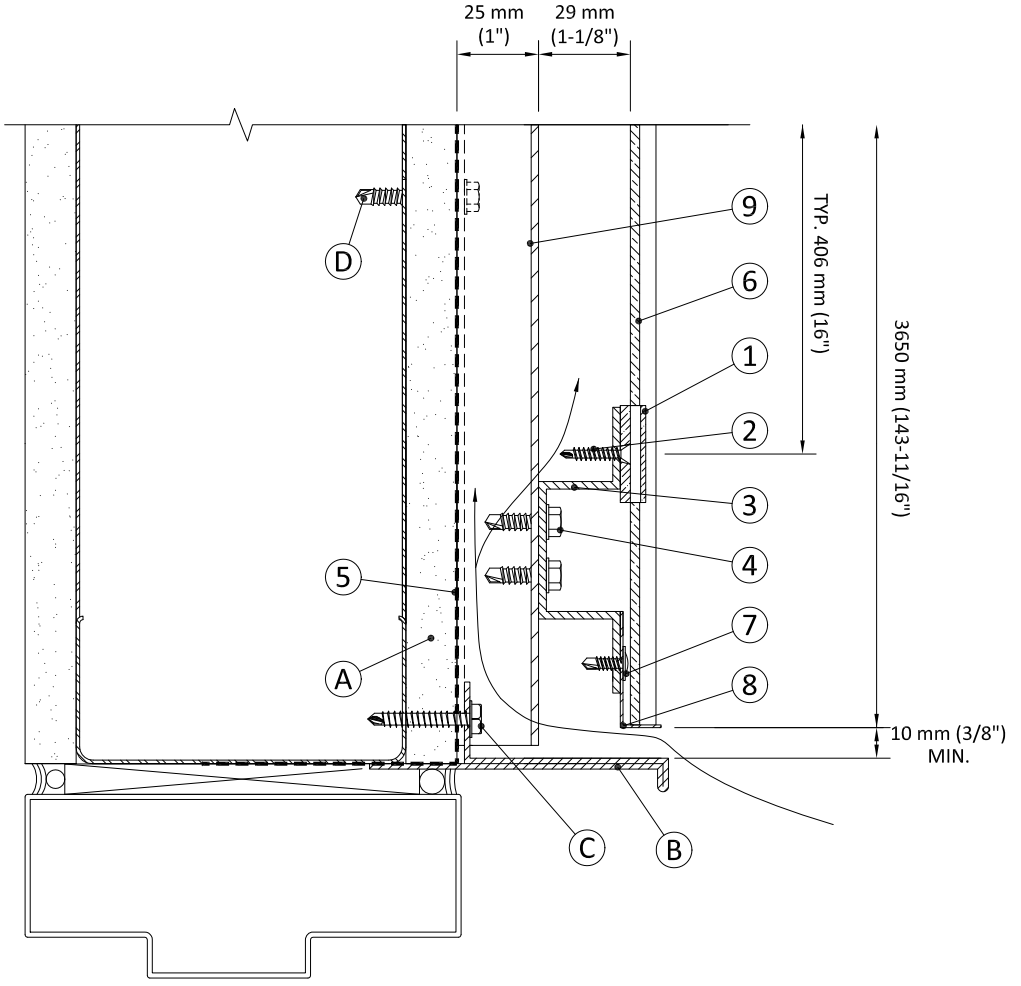
SCALE: NONE

DETAIL: 7

APPROVED BY: CM

REV:

DATE:

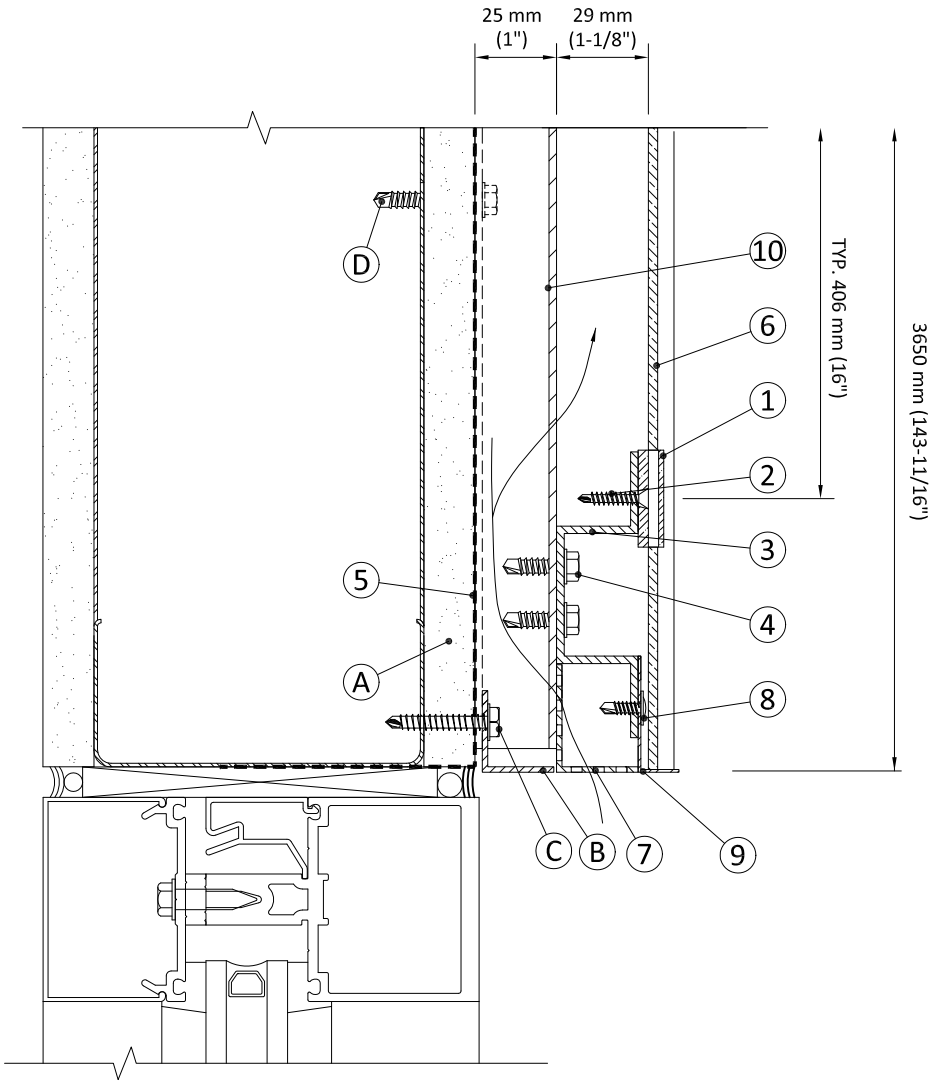


No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Horizontal Galv. Steel Hat-Girt - Black Painted (810-03B)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	#8 x 1/2" Truss Tek Self-Drilling Metal Screw (AAA-07)
8	L Profile 40 mm x 10 mm (1-9/16" x 3/8") Extruded Aluminum (810-05)
9	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)

No.	Description (supplied by others)
A	Sheathing Type X
B	Flashing
C	Flashing Anchor
D	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: DOOR HEAD W/ FLASHING RETURN			DESIGN BY: CM	DATE: 2021-03-28	
SYSTEM: SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	SCALE: NONE	DETAIL: 7A	APPROVED BY: CM	REV:	DATE:



No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Horizontal Galv. Steel Hat-Girt - Black Painted (810-03B)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	Vent Screen (910-07B)
8	#8 x 1/2" Truss Tek Self-Drilling Metal Screw (AAA-07)
9	L Profile 40 mm x 10 mm (1-9/16" x 3/8") Extruded Aluminum (810-05)
10	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)

No.	Description (supplied by others)
A	Sheathing Type X
B	Flashing
C	Flashing Anchor
D	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: **WINDOW HEAD W/ FLASHING RETURN - VISIBLE VENT SCREEN**

DESIGN BY: CM

DATE: 2021-03-28

SYSTEM: **SPECTRUM UNITY VERTICAL**
WITH ATS-811 SYSTEM ON STUDS WALL

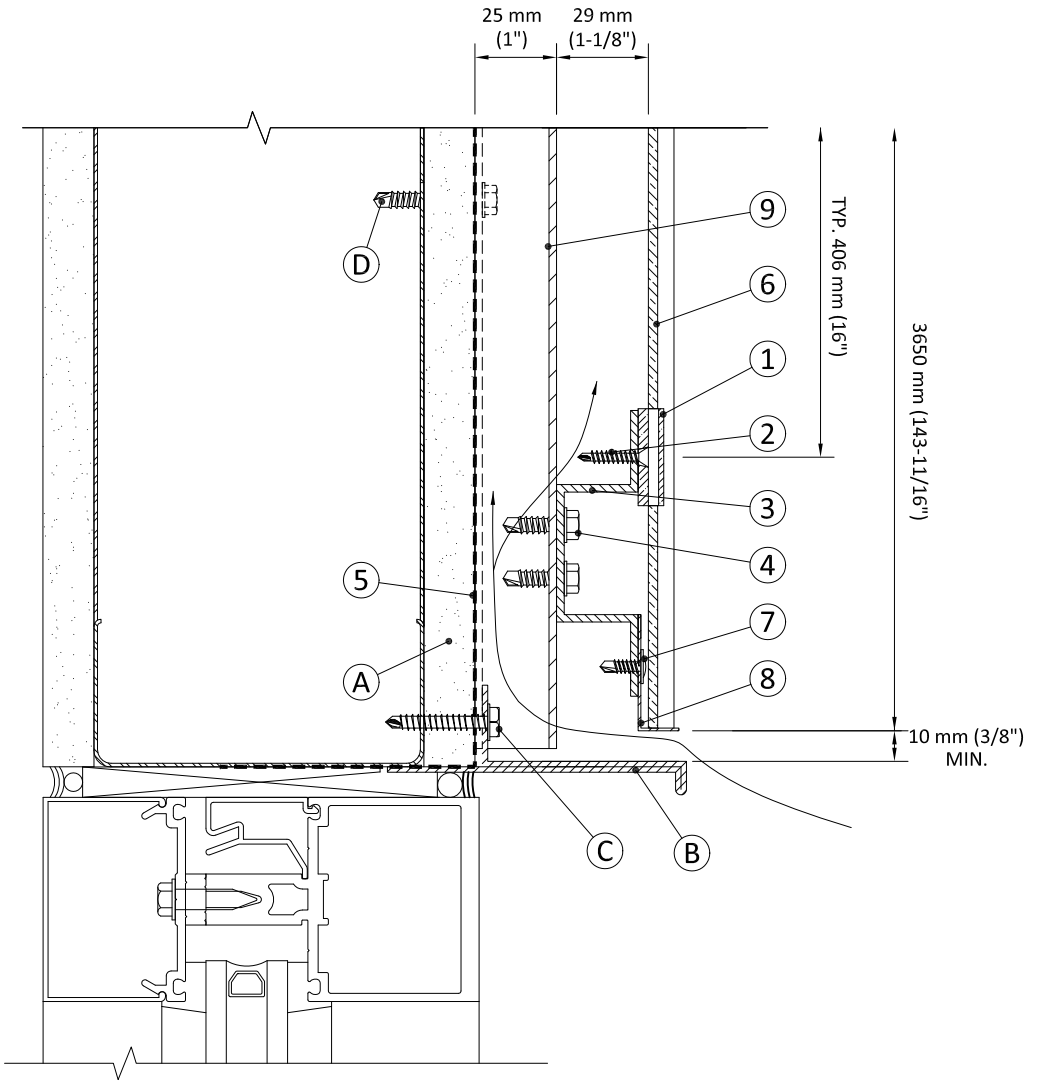
SCALE: NONE

DETAIL: 8

APPROVED BY: CM

REV:

DATE:



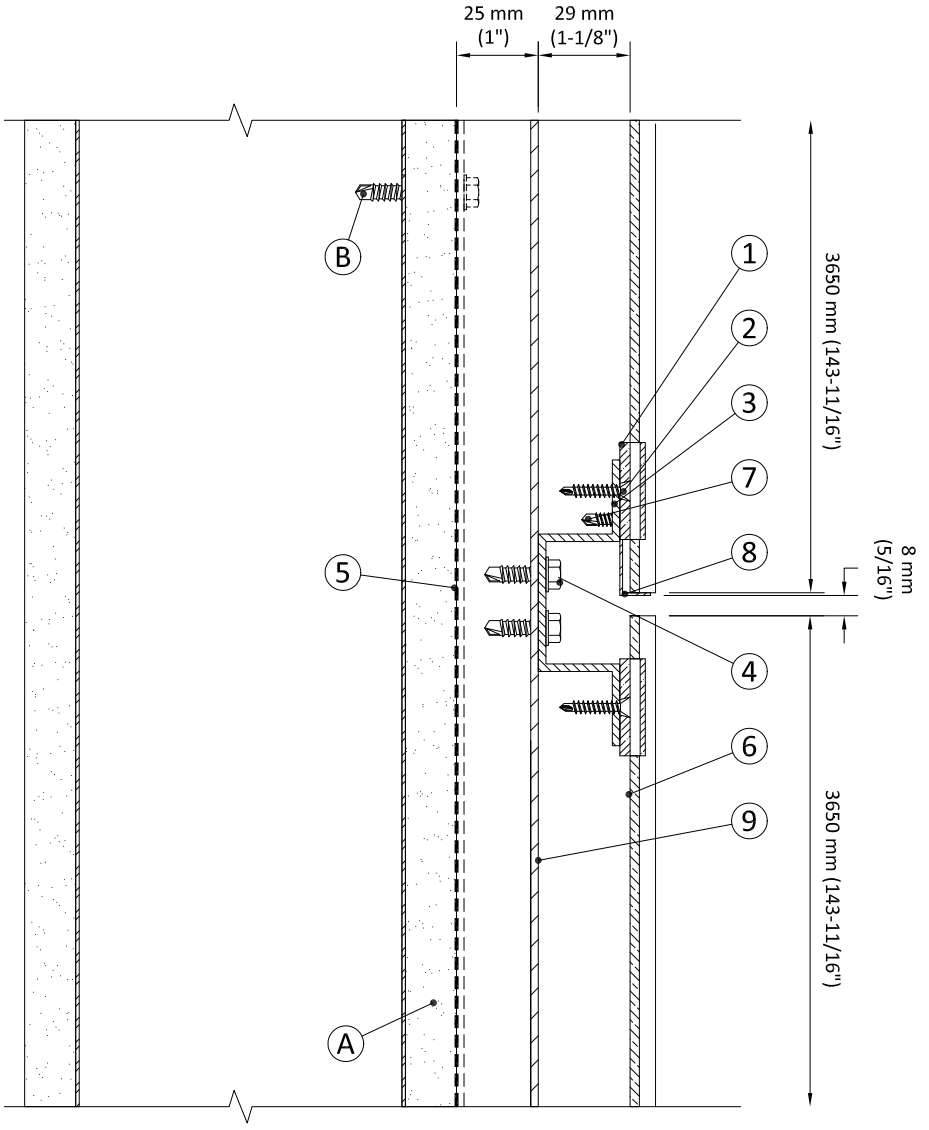
No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Horizontal Galv. Steel Hat-Girt - Black Painted (810-03B)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	#8 x 1/2" Truss Tek Self-Drilling Metal Screw (AAA-07)
8	L Profile 40 mm x 10 mm (1-9/16" x 3/8") Extruded Aluminum (810-05)
9	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)

No.	Description (supplied by others)
A	Sheathing Type X
B	Flashing
C	Flashing Anchor
D	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
WINDOW HEAD W/ FLASHING RETURN	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	8A	CM	DATE:

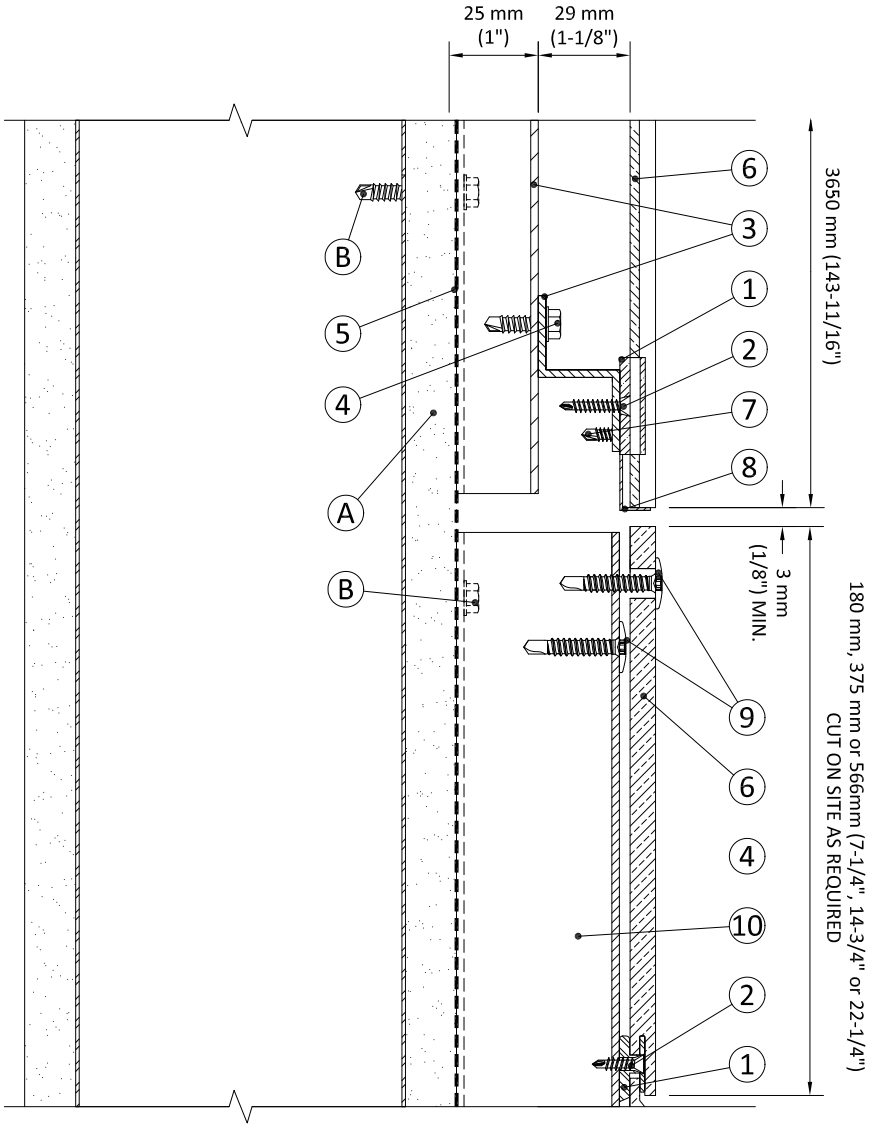


No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Horizontal Galv. Steel Hat-Girt - Black Painted (810-03B)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	#8 x 1/2" Truss Tek Self-Drilling Metal Screw (AAA-07)
8	L Profile 40 mm x 10 mm (1-9/16" x 3/8") Extruded Aluminum (810-05)
9	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: HORIZONTAL JOINT			DESIGN BY: CM	DATE: 2021-03-28	
SYSTEM: SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	SCALE: NONE	DETAIL: 9	APPROVED BY: CM	REV:	DATE:

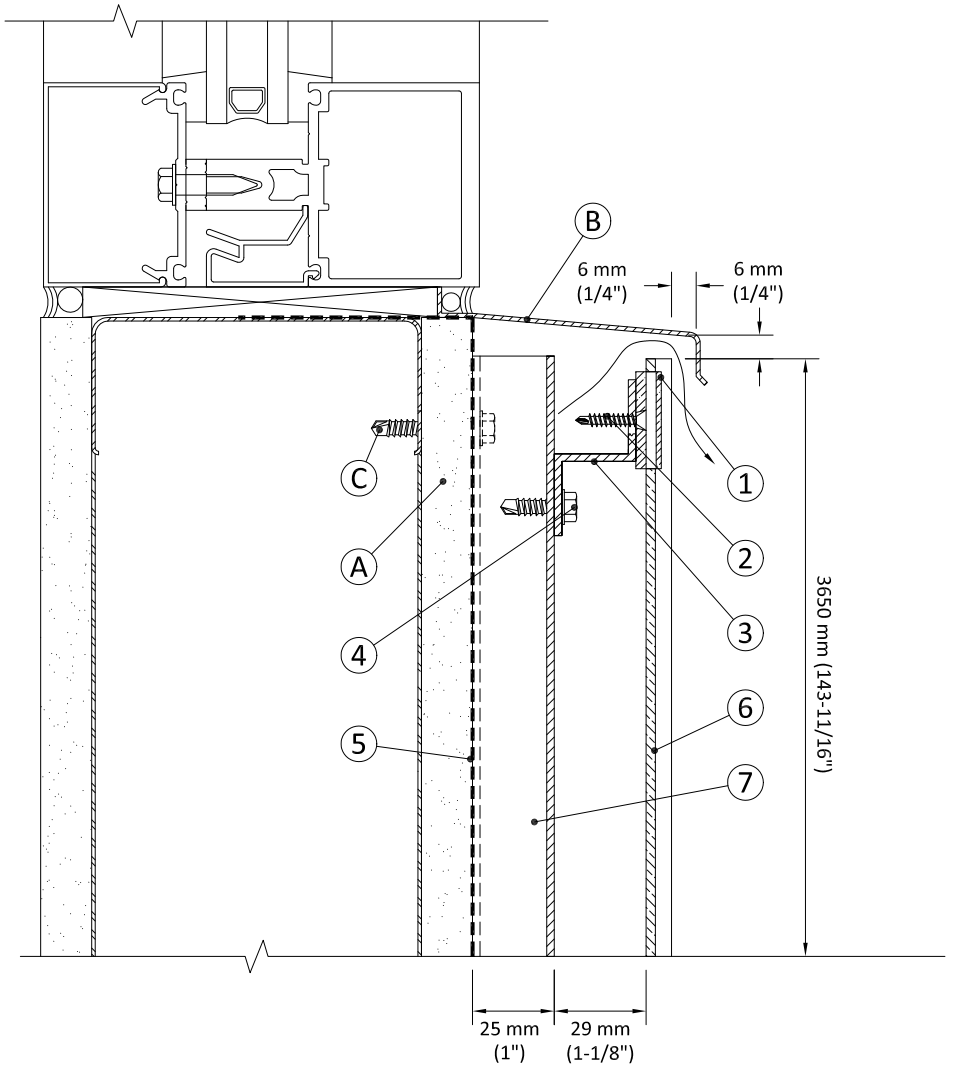


No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	#8 x 1/2" Truss Tek Self-Drilling Metal Screw (AAA-07)
8	L Profile 40 mm x 10 mm (1-9/16" x 3/8") Extruded Aluminum (810-05)
9	Ejot JF3-LT-3-5.5 X 30 or SFS Intec Equal Approved SS Colour Matched Screw
10	52 mm (2") Min - 18 Ga. Min. Galv. Steel Hat-Girt - Black Painted (810-07B)

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: HORIZONTAL TRANSTION			DESIGN BY: CM	DATE: 2021-03-28	
SYSTEM: SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	SCALE: NONE	DETAIL: 10	APPROVED BY: CM	REV:	DATE:



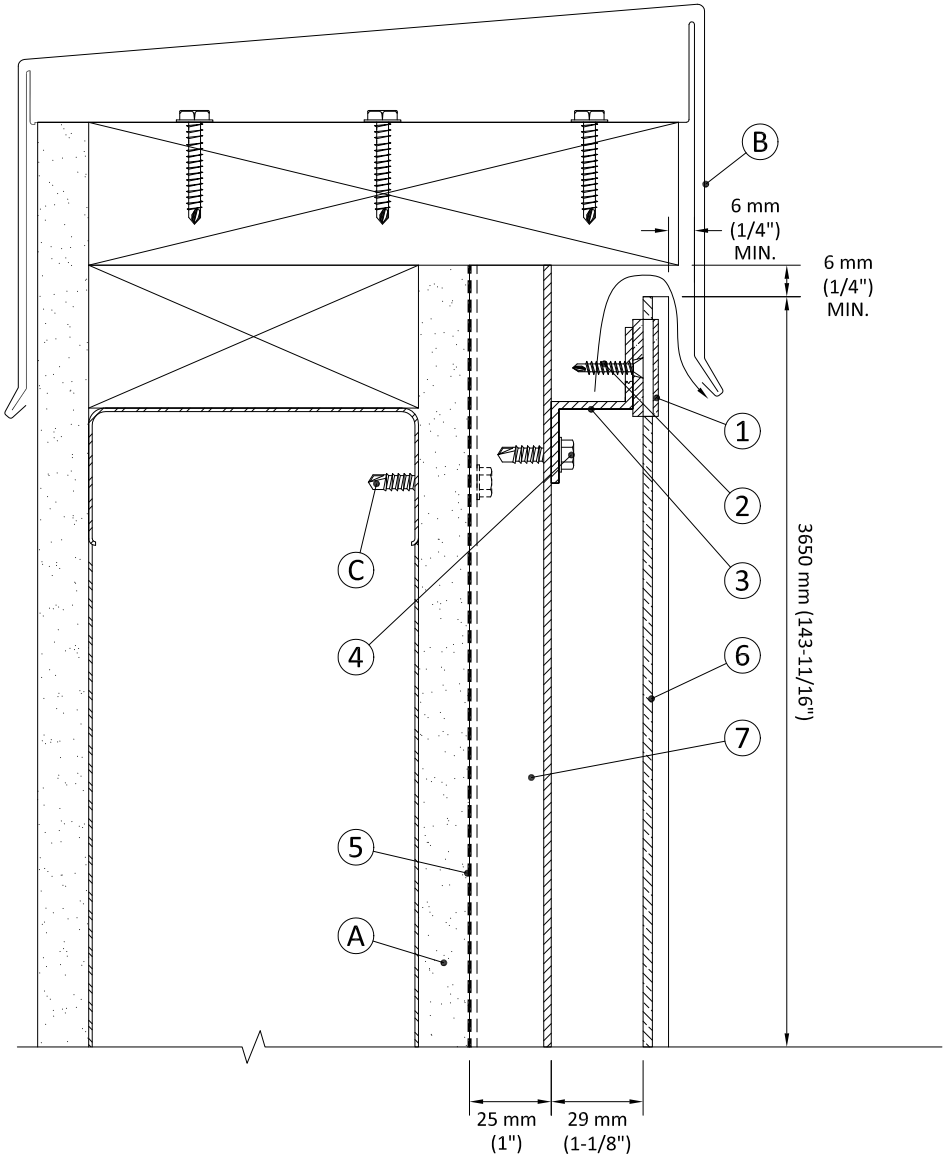
No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z Girt - Unpainted (710-01)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)

No.	Description (supplied by others)
A	Sheathing Type X
B	Metal Flashing
C	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
WINDOW SILL	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	11	CM	DATE:

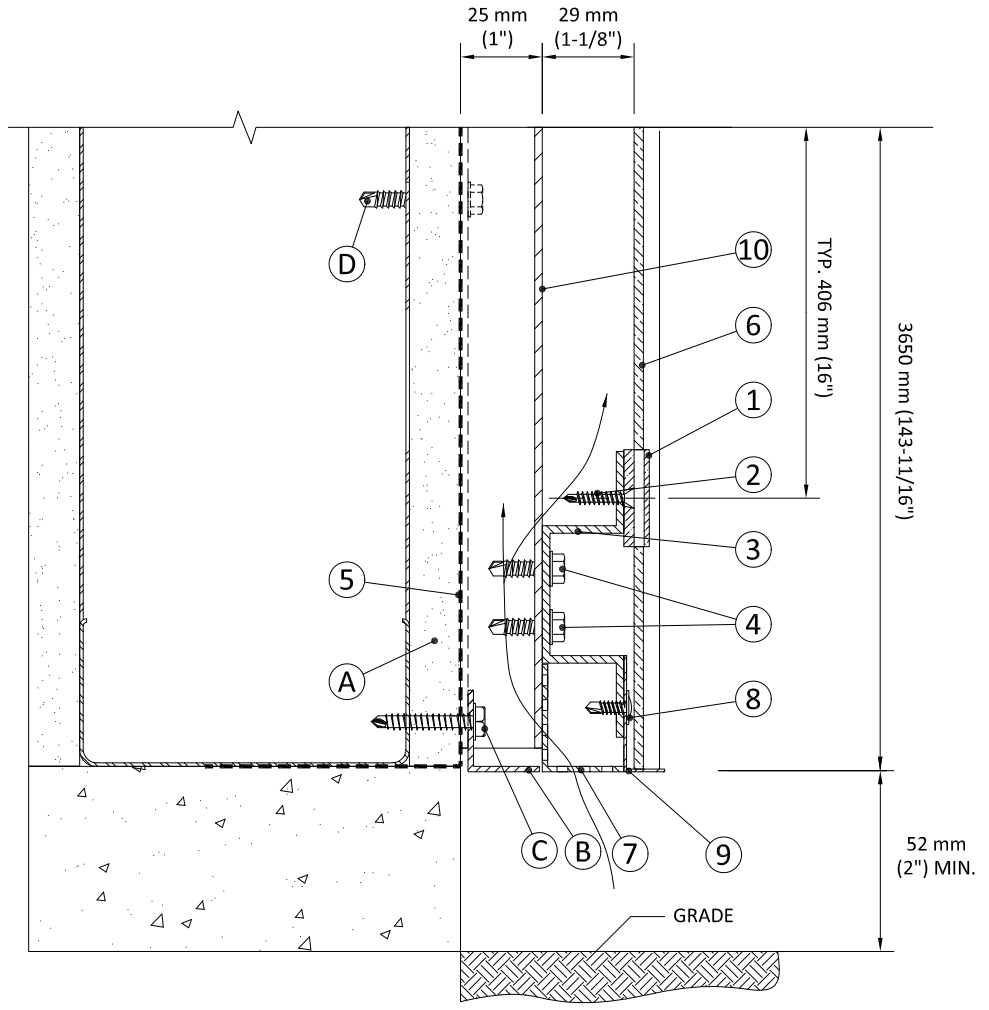


No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Vertical Galv. Steel Z Girt - Unpainted (710-01)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)

No.	Description (supplied by others)
A	Sheathing Type X
B	Metal Flashing
C	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: PARAPET CAP			DESIGN BY: CM	DATE: 2021-03-28	
SYSTEM: SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	SCALE: NONE	DETAIL: 12	APPROVED BY: CM	REV:	DATE:



No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Horizontal Galv. Steel Hat-Girt - Black Painted (810-03B)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	Vent Screen (910-07B)
8	#8 x 1/2" Truss Tek Self-Drilling Metal Screw (AAA-07)
9	L Profile 40 mm x 10 mm (1-9/16" x 3/8") Extruded Aluminum (810-05)
10	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)

No.	Description (supplied by others)
A	Sheathing Type X
B	Flashing
C	Flashing Anchor
D	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: **BASE FLOOR PANEL W/FLASHING RETURN AND VENT SCREEN**

DESIGN BY: CM

DATE: 2021-03-28

SYSTEM: **SPECTRUM UNITY VERTICAL**
WITH ATS-811 SYSTEM ON STUDS WALL

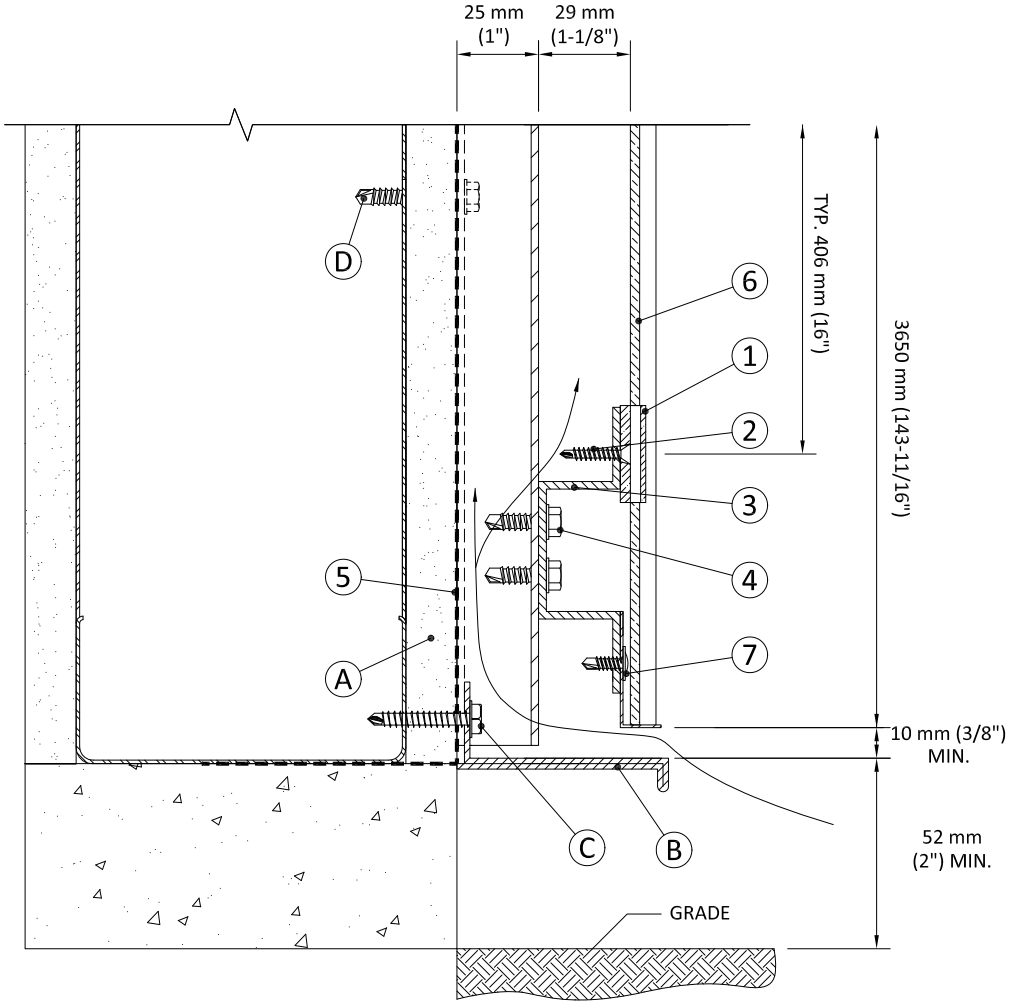
SCALE: NONE

DETAIL: 13

APPROVED BY: CM

REV:

DATE:



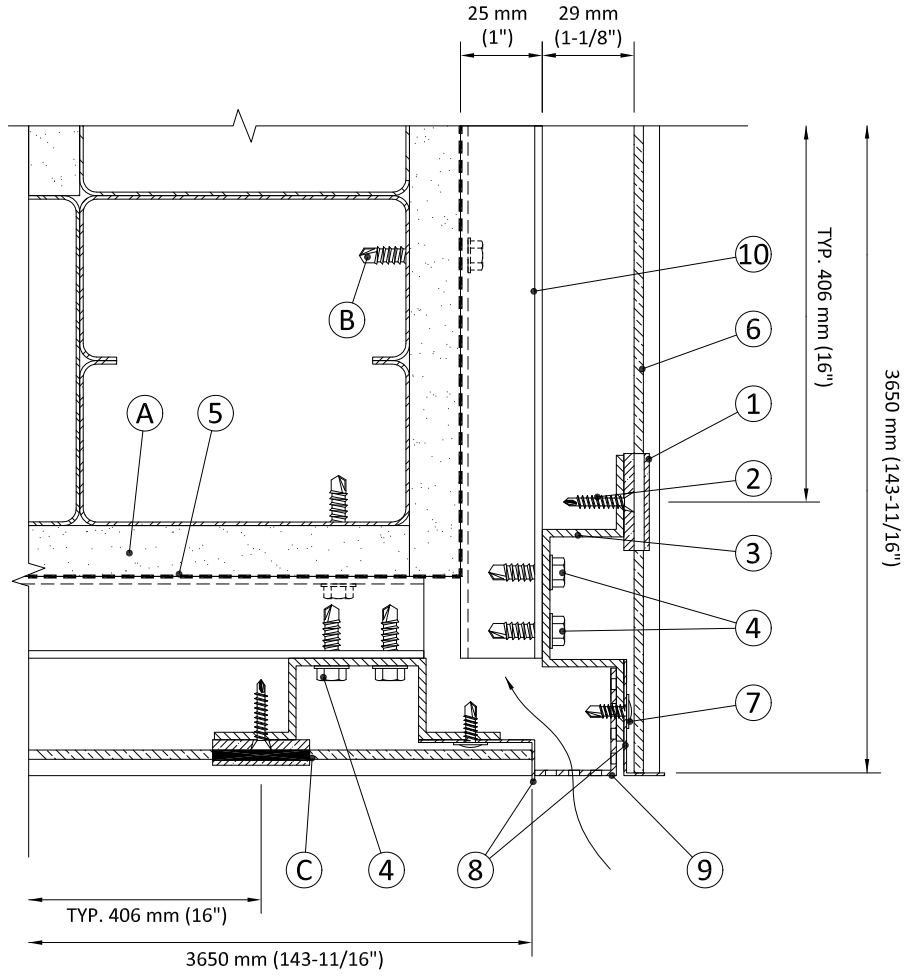
No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Horizontal Galv. Steel Hat-Girt - Black Painted (810-03B)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	#8 x 1/2" Truss Tek Self-Drilling Metal Screw (AAA-07)
8	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)

No.	Description (supplied by others)
A	Sheathing Type X
B	Flashing
C	Flashing Anchor
D	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
BASE FLOOR PANEL WITH FLASHING RETURN	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	13A	CM	DATE:



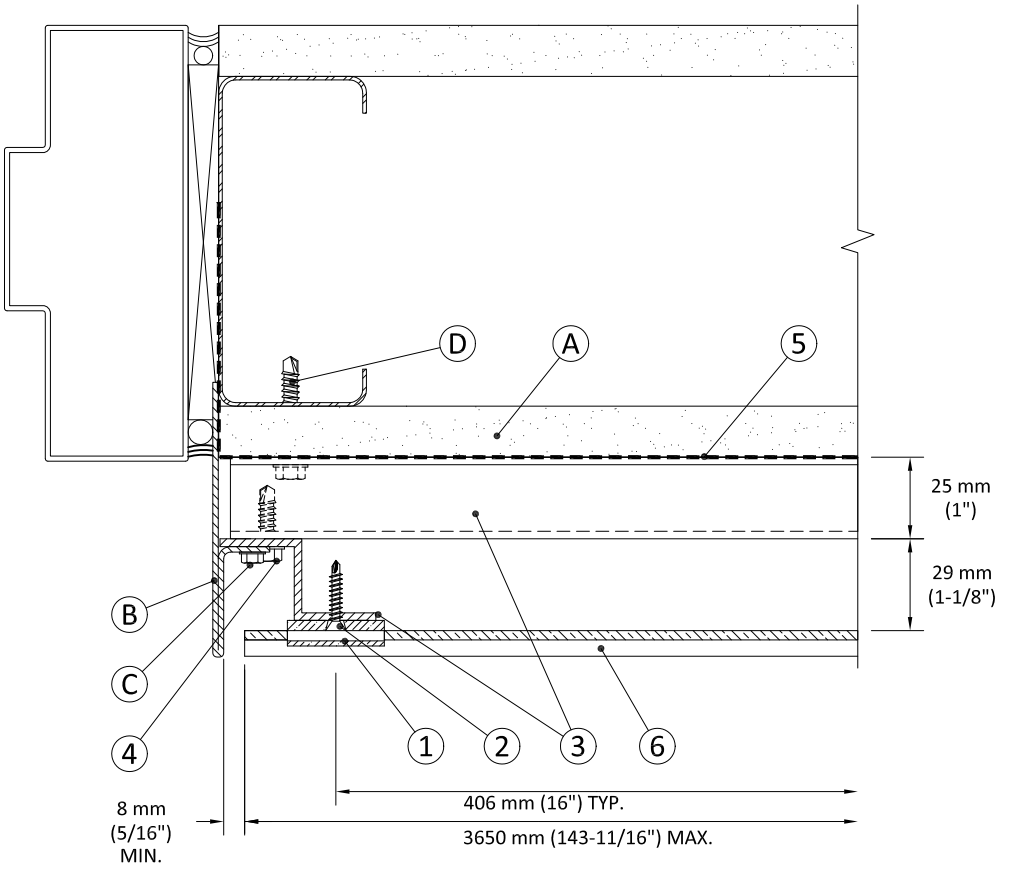
No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Horizontal Galv. Steel Hat-Girt - Black Painted (810-03B)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	#8 x 1/2" Truss Tek Self-Drilling Metal Screw (AAA-07)
8	L Profile 40 mm x 10 mm (1-9/16" x 3/8") Extruded Aluminum (810-05)
9	Vent Screen (910-07B)
10	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girt Anchor
C	Bostik Paneltak or Sika Sikaflewx 221 or Dow U-428 adhesive (Applied between the centre of the Unity clip only and the plank)

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
SOFFIT DETAIL	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY VERTICAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	14	CM	DATE:



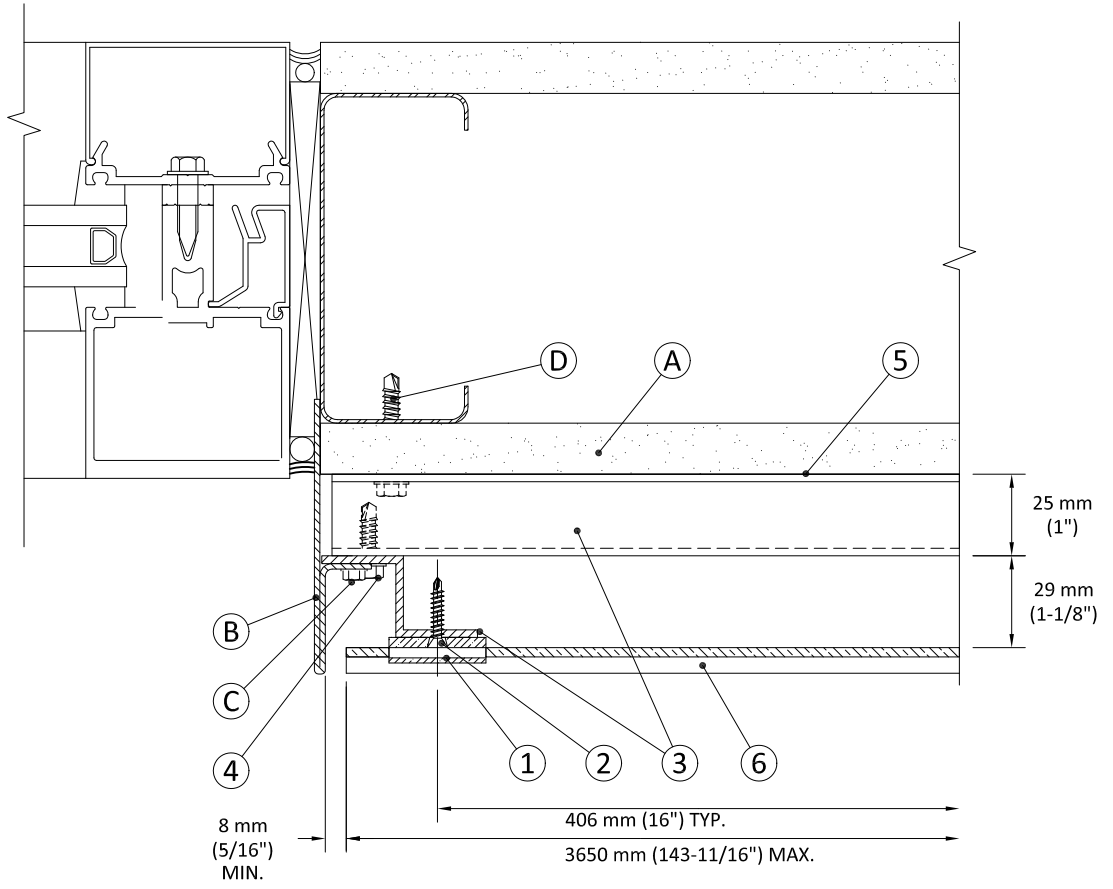
No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")

No.	Description (supplied by others)
A	Sheathing Type X
B	System Closure
C	Flashing Anchor
D	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
DOOR JAMB WITH FLASHING RETURN	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY HORIZONTAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	15	CM	DATE:



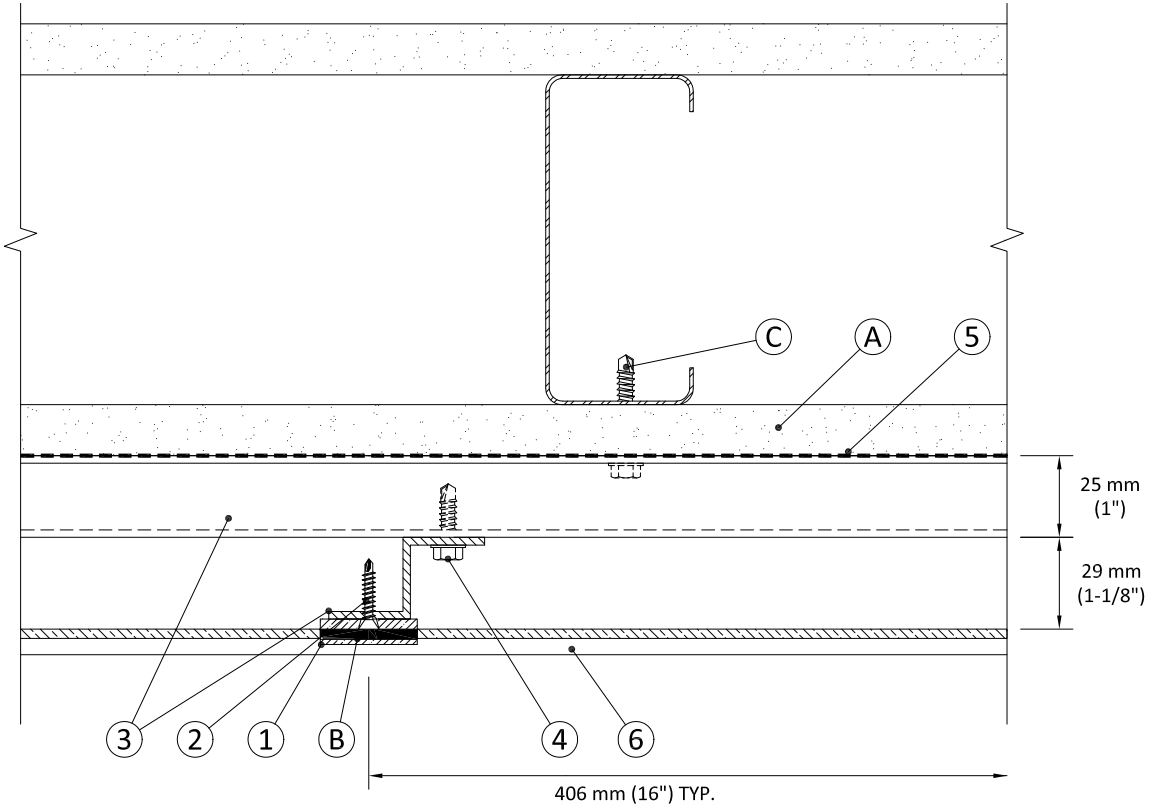
No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")

No.	Description (supplied by others)
A	Sheathing Type X
B	System Closure
C	Flashing Anchor
D	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
WINDOW JAMB WITH FLASHING RETURN	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY HORIZONTAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	16	CM	DATE:



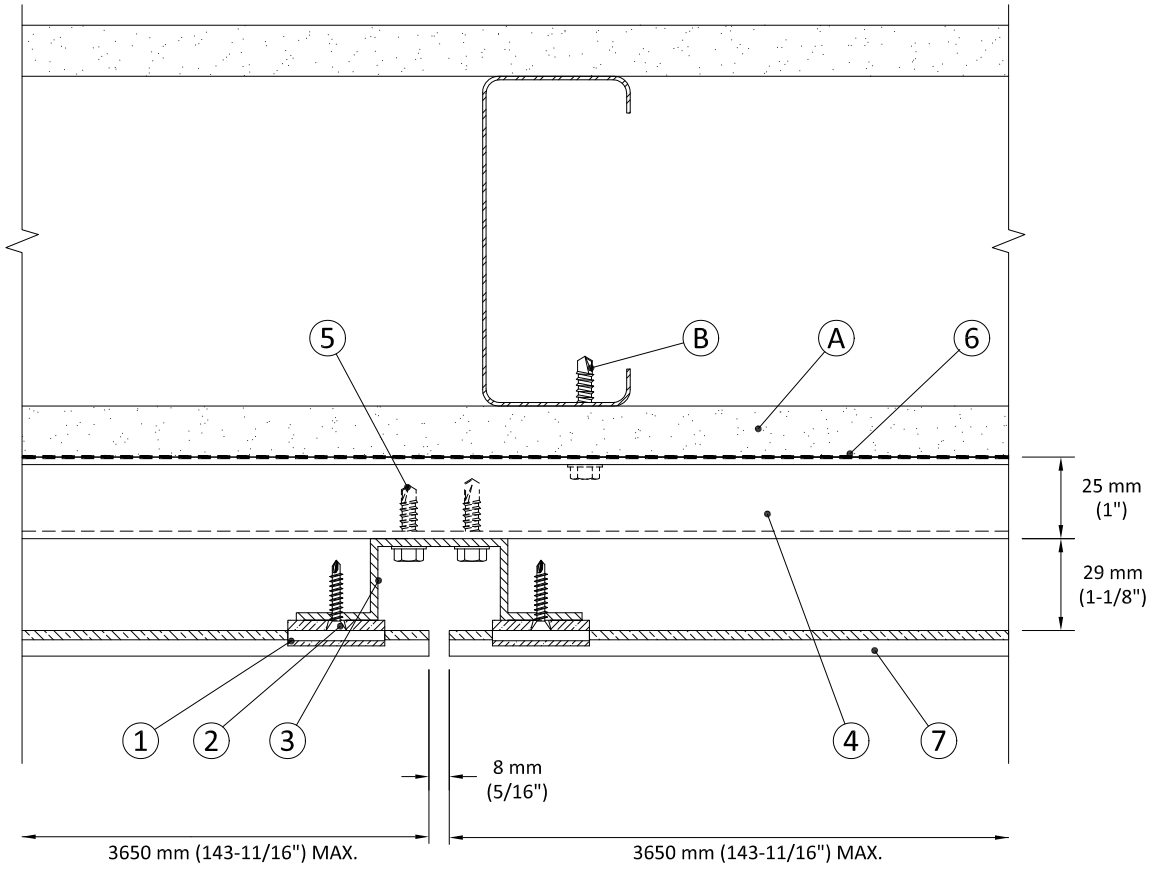
No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")

No.	Description (supplied by others)
A	Sheathing Type X
B	Bostik Paneltak or Sika Sikaflex 221 or Dow U-428 adhesive (Applied between the centre Unity clip only and the plank)
C	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
VERTICAL MID PANEL - FIXED POINT	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY HORIZONTAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	17	CM	DATE:

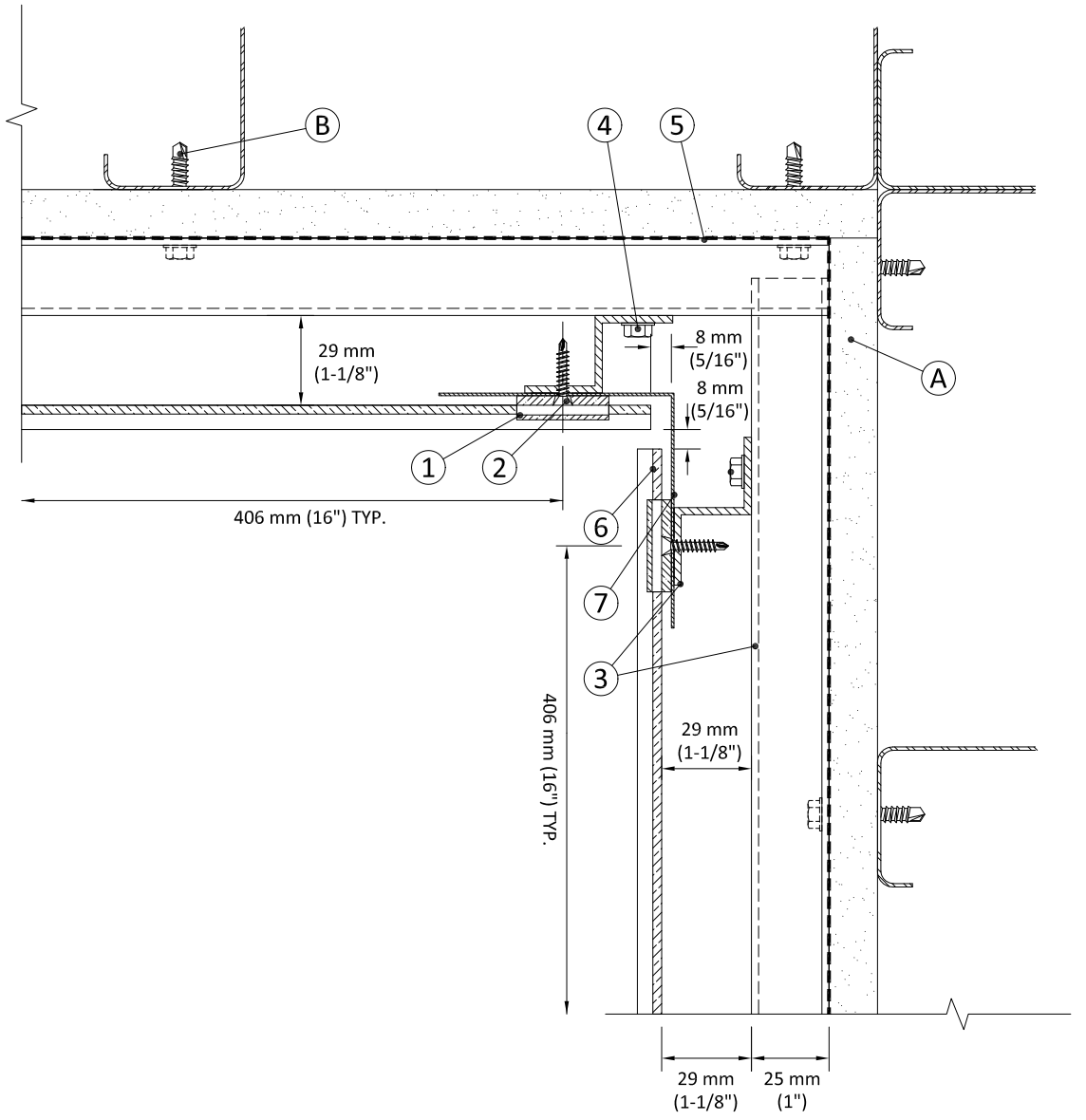


No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Vertical Galv. Steel Hat-Girt - Black Finish (810-03B)
4	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)
5	#12-14 x 3/4" Metal Screw (AAA-01)
6	Dörken Delta Vent SA or Other Approved WRB
7	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: VERTICAL PANEL JOINT			DESIGN BY: CM	DATE: 2021-03-28	
SYSTEM: SPECTRUM UNITY HORIZONTAL WITH ATS-811 SYSTEM ON STUDS WALL	SCALE: NONE	DETAIL: 18	APPROVED BY: CM	REV:	DATE:

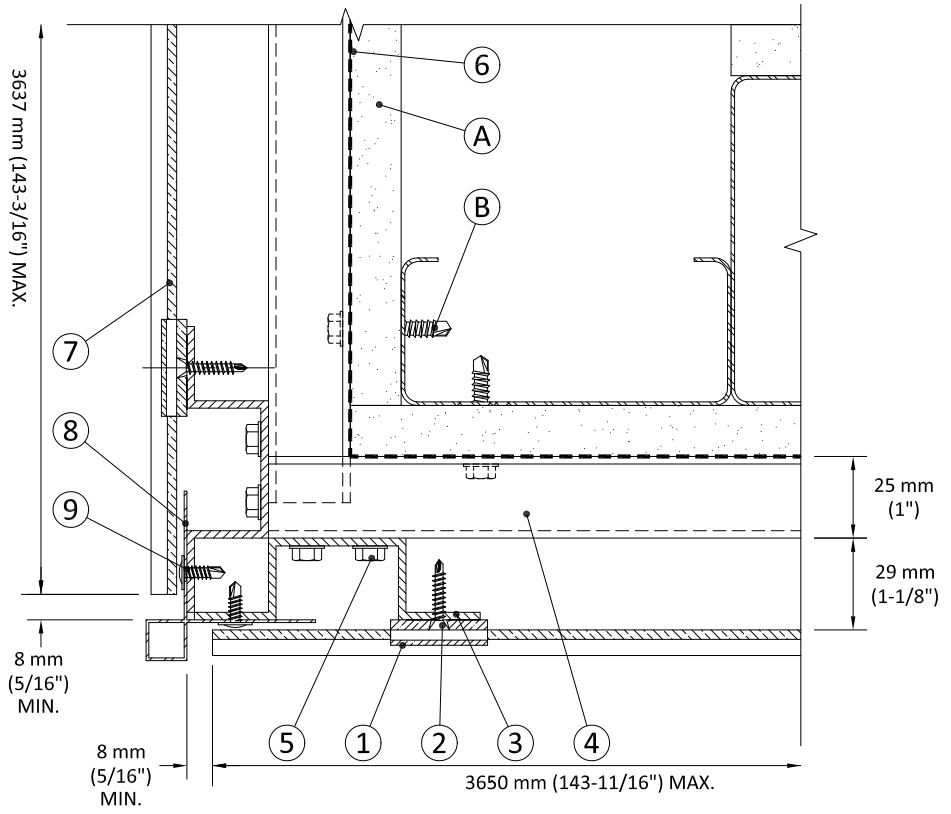


No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z Girt - Unpainted (710-01)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	75 mm x 75 mm (3" x 3") 26 Ga. Metal Flashing Joint Closure (710-05B) - Black Painted - Optional

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: INSIDE CORNER			DESIGN BY: CM	DATE: 2021-03-28	
SYSTEM: SPECTRUM UNITY HORIZONTAL WITH ATS-811 SYSTEM ON STUDS WALL	SCALE: NONE	DETAIL: 19	APPROVED BY: CM	REV:	DATE:

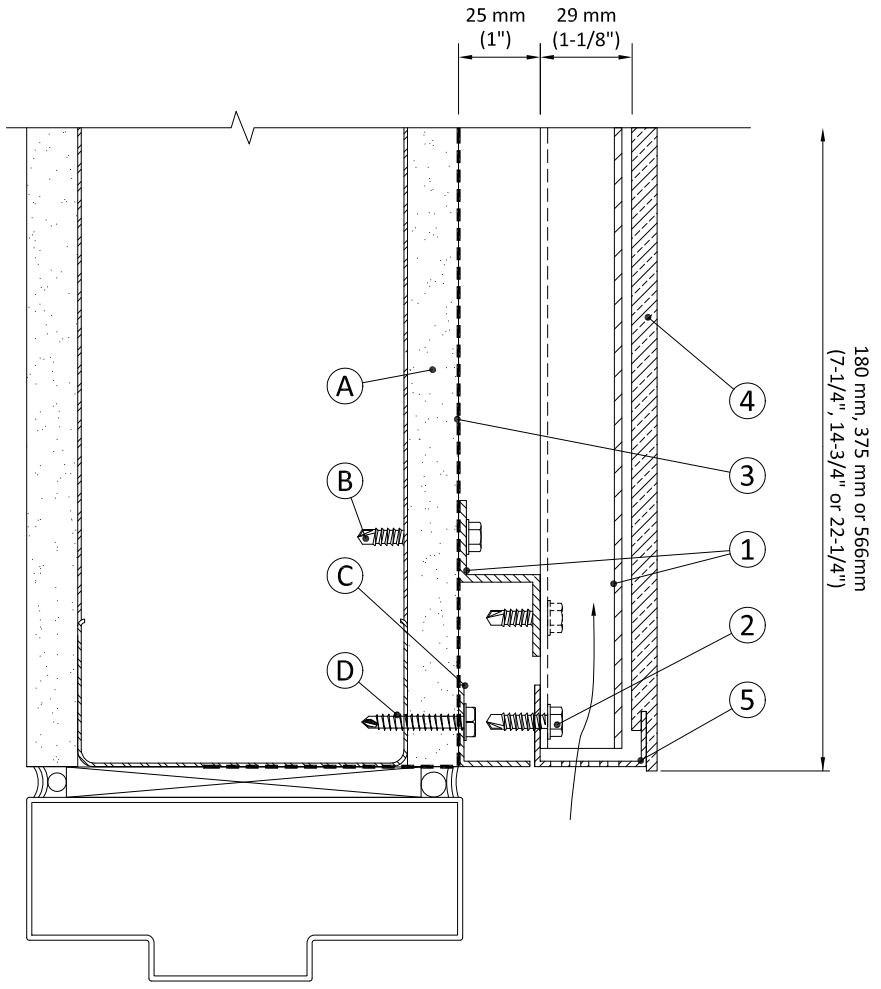


No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Vertical Galv. Steel Hat-Girt - Unpainted (810-03)
4	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z-Girt - Unpainted (710-01)
5	#12-14 x 3/4" Metal Screw (AAA-01)
6	Dörken Delta Vent SA or Other Approved WRB
7	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
8	Proface Outside Corner Profile 50 mm x 50 mm (2" x 2") Extruded Aluminum (810-02)
9	#8 x 1/2" Truss Tek Self-Drilling Metal Screw (AAA-07)

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girt Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: OUTSIDE CORNER			DESIGN BY: CM	DATE: 2021-03-28	
SYSTEM: SPECTRUM UNITY HORIZONTAL WITH ATS-811 SYSTEM ON STUDS WALL	SCALE: NONE	DETAIL: 20	APPROVED BY: CM	REV:	DATE:

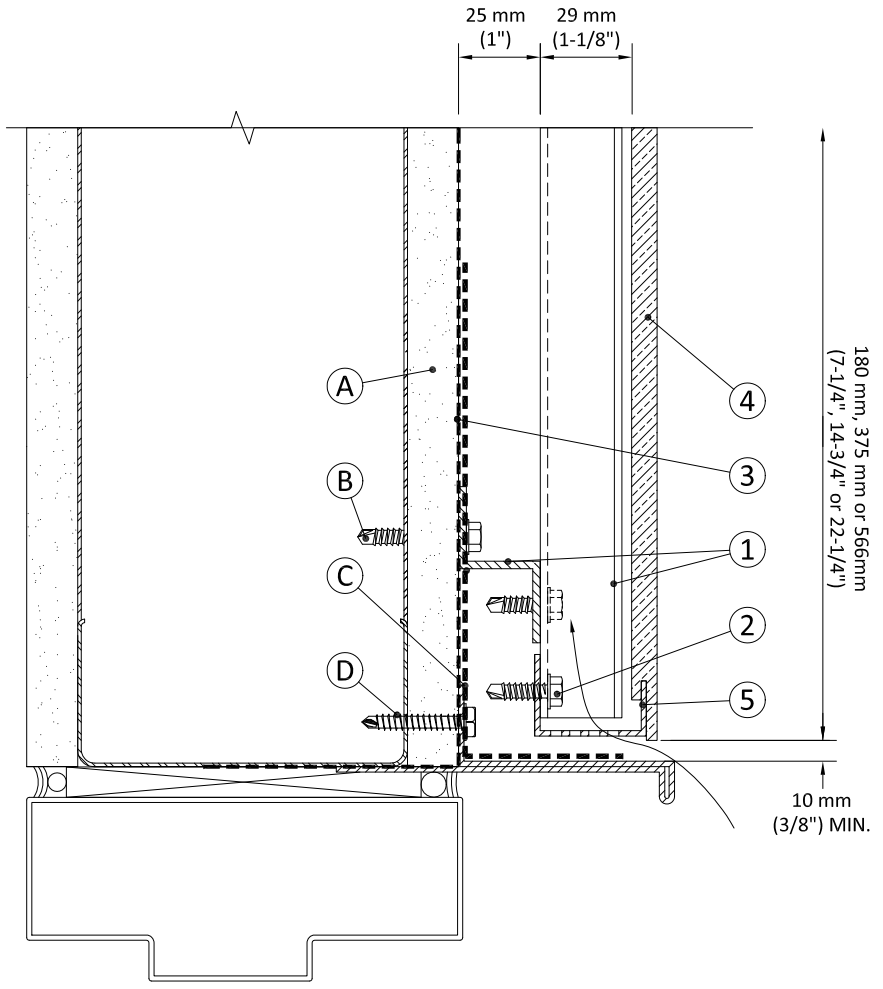


No.	Description (supplied by ATS)
1	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z Girt - Unpainted (710-01)
2	#12-14 x 3/4" Metal Screw (AAA-01)
3	Dörken Delta Vent SA or Other Approved WRB
4	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
5	Starter Rail / Vent Screen (810-04B)

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girts to Building Anchor
C	Flashing
D	Flashing Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: DOOR HEAD W/ FLASHING RETURN - VISIBLE VENT SCREEN			DESIGN BY: CM	DATE: 2021-03-28	
SYSTEM: SPECTRUM UNITY HORIZONTAL WITH ATS-811 SYSTEM ON STUDS WALL	SCALE: NONE	DETAIL: 21	APPROVED BY: CM	REV:	DATE:



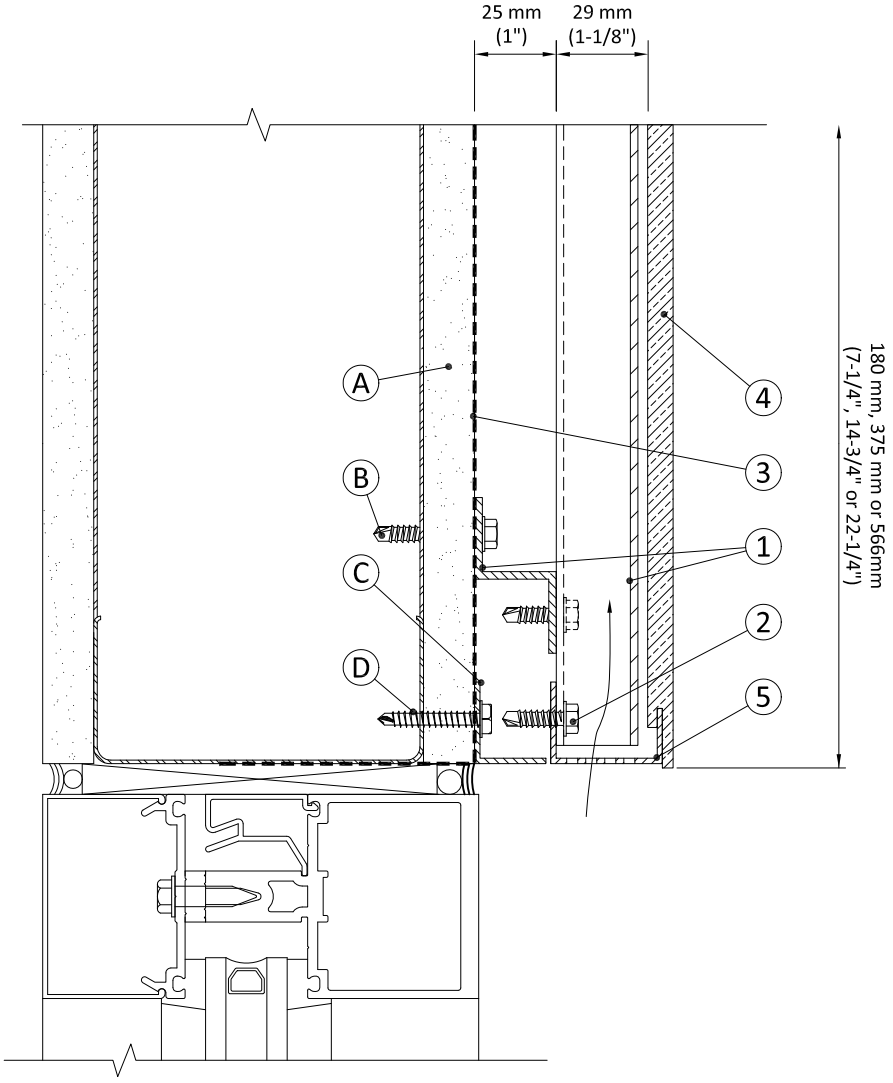
No.	Description (supplied by ATS)
1	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z Girt - Unpainted (710-01)
2	#12-14 x 3/4" Metal Screw (AAA-01)
3	Dörken Delta Vent SA or Other Approved WRB
4	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
5	Starter Rail / Vent Screen (810-04B)

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girts to Building Anchor
C	Flashing
D	Flashing Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
DOOR HEAD W/ FLASHING RETURN - INVISIBLE VENT SCREEN	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY HORIZONTAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	21A	CM	DATE:

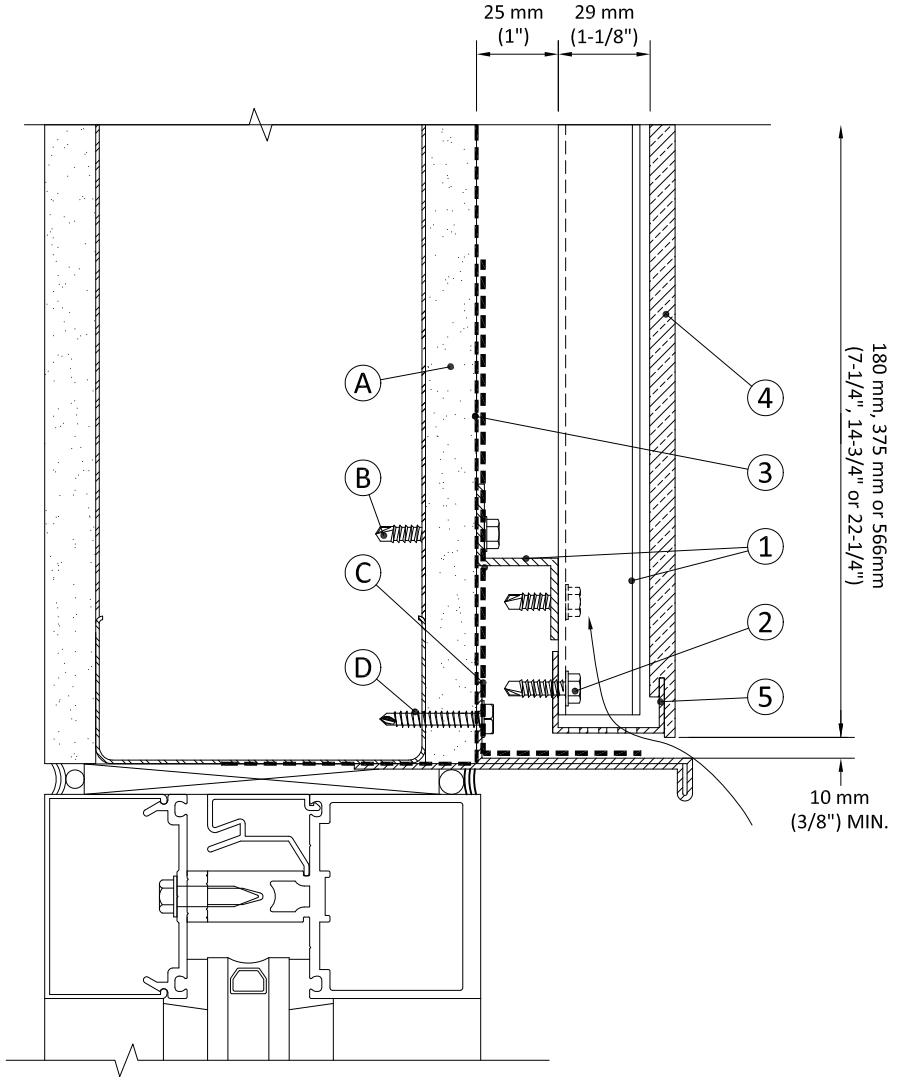


No.	Description (supplied by ATS)
1	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z Girt - Unpainted (710-01)
2	#12-14 x 3/4" Metal Screw (AAA-01)
3	Dörken Delta Vent SA or Other Approved WRB
4	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
5	Starter Rail / Vent Screen (810-04B)

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girts to Building Anchor
C	Flashing
D	Flashing Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: WINDOW HEAD W/ FLASHING RETURN - VISIBLE VENT SCREEN			DESIGN BY: CM	DATE: 2021-03-28	
SYSTEM: SPECTRUM UNITY HORIZONTAL WITH ATS-811 SYSTEM ON STUDS WALL	SCALE: NONE	DETAIL: 22	APPROVED BY: CM	REV:	DATE:



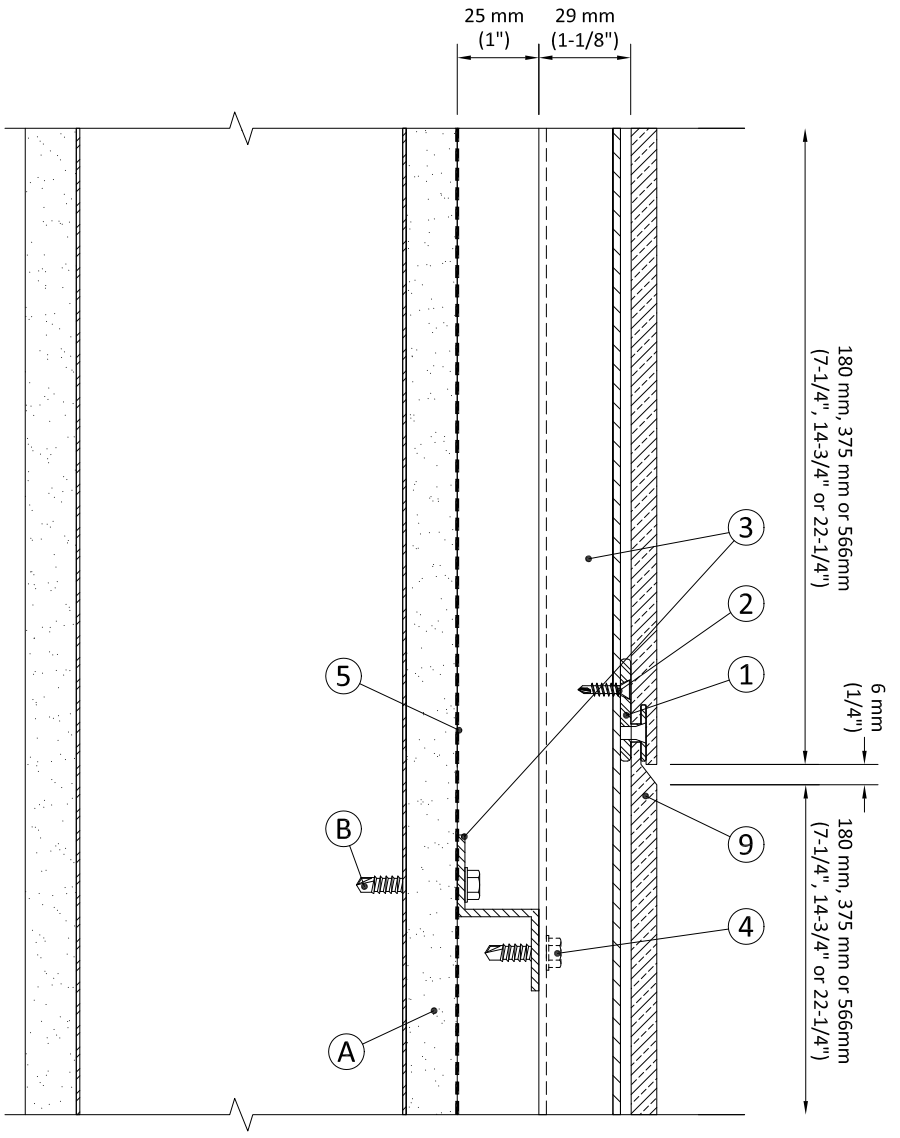
No.	Description (supplied by ATS)
1	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z Girt - Unpainted (710-01)
2	#12-14 x 3/4" Metal Screw (AAA-01)
3	Dörken Delta Vent SA or Other Approved WRB
4	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
5	Starter Rail / Vent Screen (810-04B)

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girts to Building Anchor
C	Flashing
D	Flashing Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
WINDOW HEAD W/ FLG RETURN - INVISIBLE VENT SCREEN	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY HORIZONTAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	22A	CM	DATE:



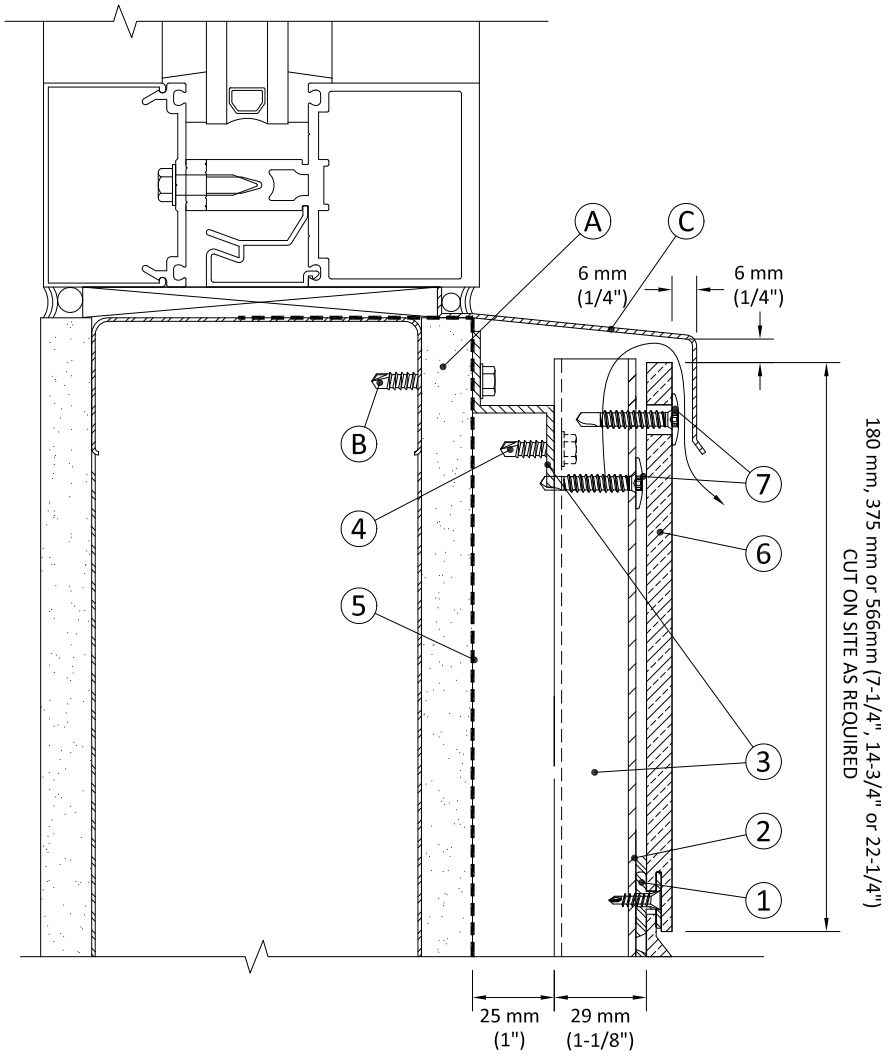
No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z Girt - Unpainted (710-01)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girts to Building Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
HORIZONTAL PANEL JOINT	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY HORIZONTAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	23	CM	DATE:



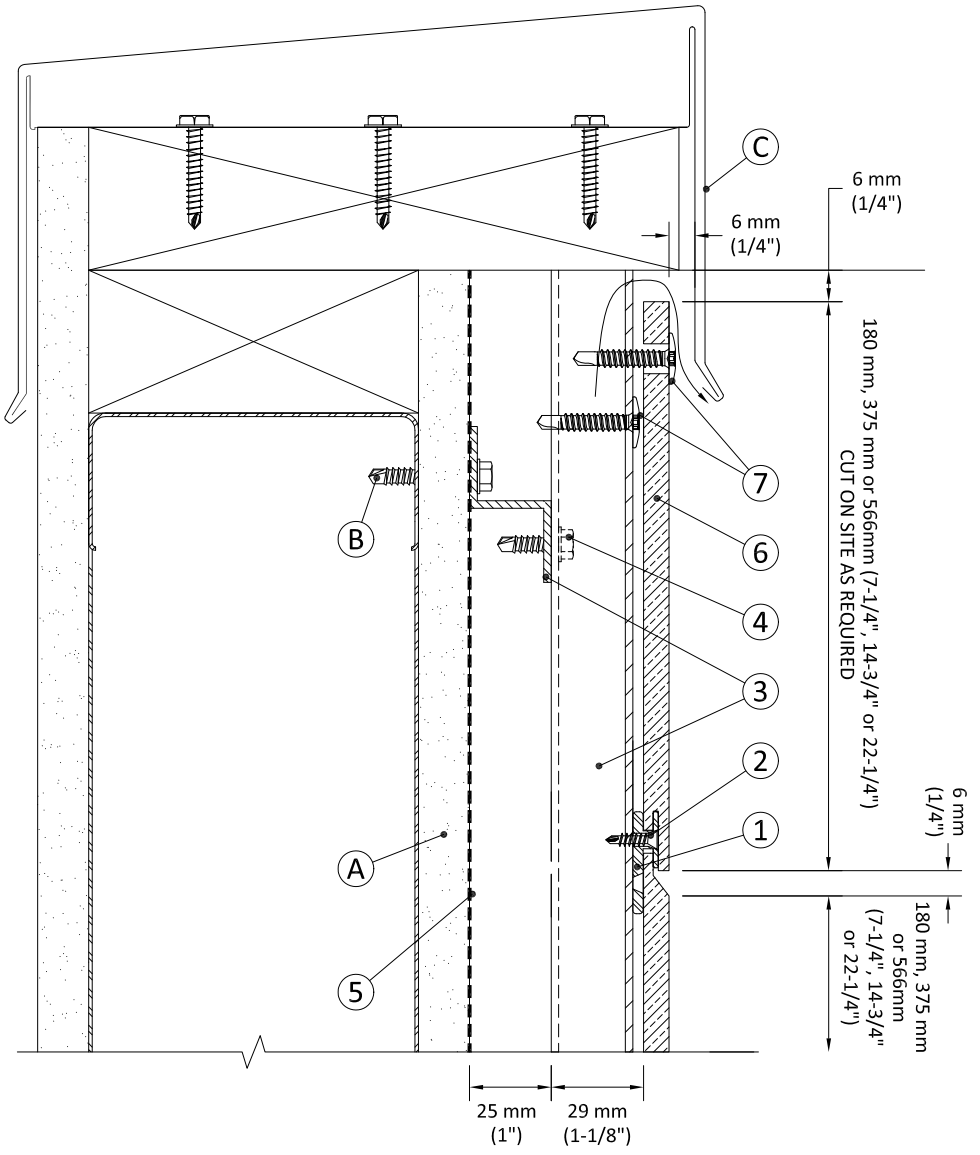
No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z Girt - Unpainted (710-01)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	Ejot JF3-LT-3-5.5 X 30 or SFS Intec Equal Approved SS Colour Matched Screw

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girts to Building Anchor
C	Metal Flashing

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
WINDOW SILL	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY HORIZONTAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	24	CM	DATE:



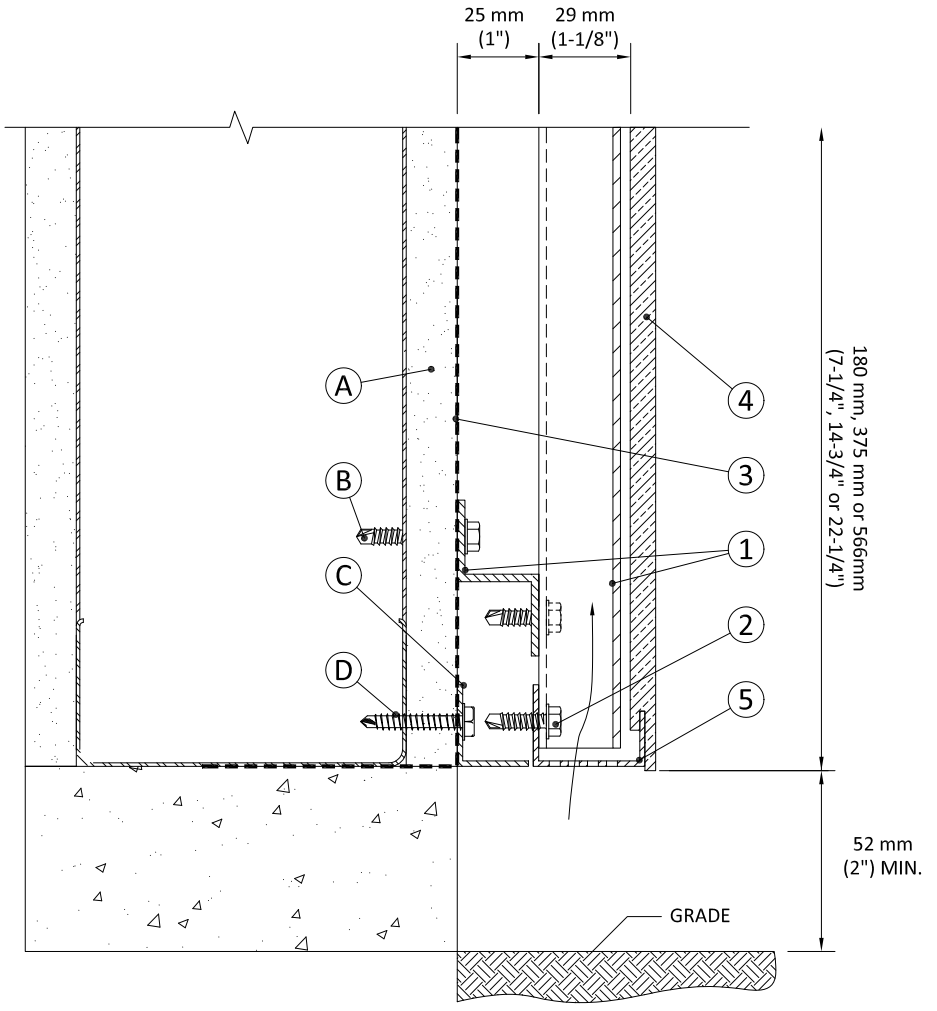
No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z Girt - Unpainted (710-01)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	Ejot JF3-LT-3-5.5 X 30 or SFS Intec Equal Approved SS Colour Matched Screw

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girts to Building Anchor
C	Metal Flashing

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
PARAPET CAP	CM	2021-03-27

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV: / DATE:
SPECTRUM UNITY HORIZONTAL WITH ATS-811 SYSTEM	NONE	25	CM	

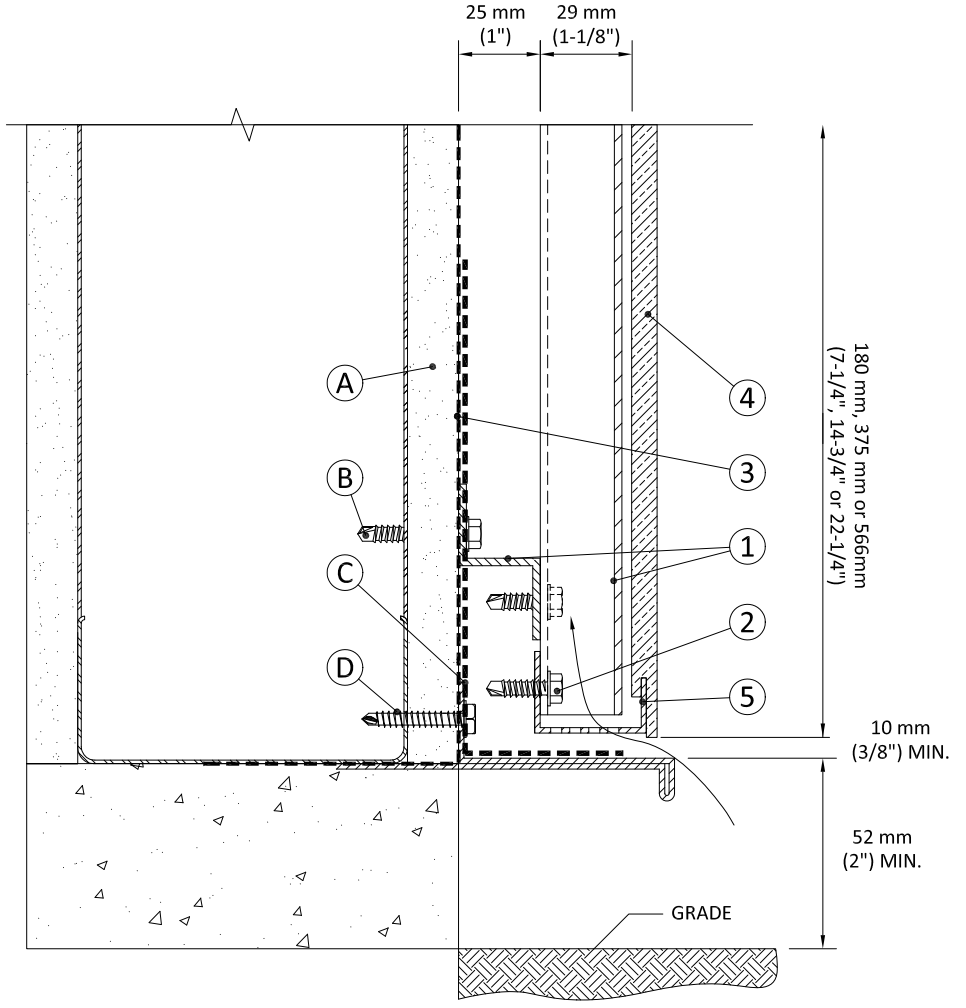


No.	Description (supplied by ATS)
1	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z Girt - Unpainted (710-01)
2	#12-14 x 3/4" Metal Screw (AAA-01)
3	Dörken Delta Vent SA or Other Approved WRB
4	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
5	Starter Rail / Vent Screen (810-04B)

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girts to Building Anchor
C	Flashing
D	Flashing Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE: BASE FLOOR PANEL W/FLASHING RETURN AND VENT SCREEN			DESIGN BY: CM	DATE: 2021-02-17	
SYSTEM: SPECTRUM UNITY HORIZONTAL WITH ATS-810 SYSTEM (UP TO 150 mm (6") INSULATION)	SCALE: NONE	DETAIL: 26	APPROVED BY: CM	REV:	DATE:



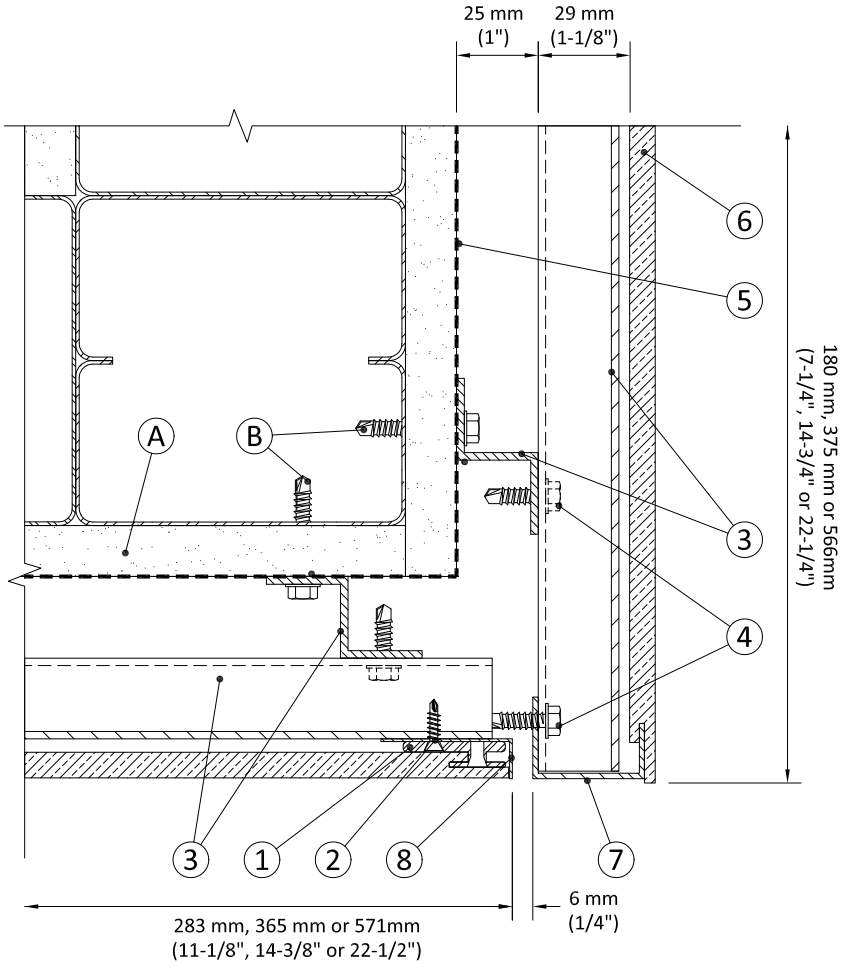
No.	Description (supplied by ATS)
1	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z Girt - Unpainted (710-01)
2	#12-14 x 3/4" Metal Screw (AAA-01)
3	Dörken Delta Vent SA or Other Approved WRB
4	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
5	Starter Rail / Vent Screen (810-04B)

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girts to Building Anchor
C	Flashing
D	Flashing Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
BASE FLOOR PANEL WITH FLASHING RETURN	CM	2021-02-17

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY HORIZONTAL WITH ATS-810 SYSTEM (UP TO 150 mm (6") INSULATION)	NONE	26A	CM	DATE:



No.	Description (supplied by ATS)
1	Unity Clip (810-01)
2	#6 x 3/4" Self-Drilling Metal Screw (AAA-04)
3	25 mm (1") Min - 18 Ga. Min. Galv. Steel Z Girt - Unpainted (710-01)
4	#12-14 x 3/4" Metal Screw (AAA-01)
5	Dörken Delta Vent SA or Other Approved WRB
6	Trespa Meteon Plank 8mm (5/16") thick x 3650mm (143-11/16") long Unity 1: Decor height: 180 mm (7-1/4") Overall height: 192 mm (7-3/4") Unity 2: Decor height: 375 mm (14-3/4") Overall height: 387 mm (15-1/4") Unity 3: Decor height: 566 mm (22-1/4") Overall height: 578 mm (22-3/4")
7	Starter Rail/Vent Screen (810-04B)
8	Proface L Molding (810-05)

No.	Description (supplied by others)
A	Sheathing Type X
B	Z-Girts to Building Anchor

ALLIED TECHNICAL SALES
www.quickshippanels.com
1-855-444-0588

TITLE:	DESIGN BY:	DATE:
SOFFIT DETAIL	CM	2021-03-28

SYSTEM:	SCALE:	DETAIL:	APPROVED BY:	REV:
SPECTRUM UNITY HORIZONTAL WITH ATS-811 SYSTEM ON STUDS WALL	NONE	27	CM	DATE:

ArcelorMittal

Galvanize, Galvanneal, & Electrogalvanize Steel Fact Sheet

For Multiple Applications and Long Lasting Corrosion Protection

ArcelorMittal offers a variety of Galvanized Steel Sheet Products which are zinc coated steel products with long lasting corrosion performance and paintability for a diverse range of construction applications and environments. The galvanic and barrier properties of the zinc coating protects the base steel and any cut edges from corrosion and provides a good surface for paint for additional barrier protection and aesthetics.

The galvanized products offered by ArcelorMittal include **Hot Dip Galvanize** (most commonly used) which can be produced with a wide range of light to heavy zinc coatings, **Hot Dip Galvanneal** which consists of light hot dipped zinc coatings which are heat treated/annealed after coating to produce a zinc-iron alloy for improved weldability and paintability, and **Electrogalvanize** which consists of a precise light electroplated coating of zinc typically for painted applications.

Product Description

Hot Dip Galvanize (HDG or GI) is produced at numerous ArcelorMittal galvanizing facilities in Canada and the USA on continuous lines by passing pre-heated continuous strip through a bath of molten zinc. The required zinc coating thickness for different coating specifications is achieved as the result of passing the hot dipped strip through a variable low pressure, high volume air stream called an "air knife" prior to solidification of the zinc coating. In addition, based on the application, the zinc coating can be produced with minimized (no) spangle, be a light to heavy zinc coating for additional corrosion protection, and can be inline or post temper rolled if a smoother surface is required.

Galvanneal (GA) is produced at ArcelorMittal galvanizing facilities in Canada and the USA on continuous lines by passing pre-heated continuous strip through a bath of molten zinc. In this case after zinc coating, the strip is passed through an annealing furnace which transforms the zinc into a zinc-iron alloy coating on the steel surface. As with HDG, the required zinc coating thickness for different coating specifications is achieved by passing the hot dipped strip through an "air knife" just before the galvannealing furnace. The zinc-iron alloy coating has no spangle, has a uniform grey matte appearance, and the coating weights are typically less than most HDG products. This material can also be temper rolled after coating for an extra smooth surface for surface critical applications.

Electrogalvanize (EG) is produced on an ArcelorMittal Electrogalvanizing Line in the USA. On this continuous line, previously annealed continuous strip is passed through a series of plating cells where zinc is electrolytically plated onto the strip. By regulating the amount of electricity used, a precise uniform coating of zinc is applied to the strip and an "air knife" is not needed for zinc coating control. No pre- or post-heating of the strip is needed on an EG Line, and the zinc coatings produced are light weight zinc coatings with no spangle, have a uniform appearance, and are used primarily for surface critical painted applications.

Product Characteristics

Proven Corrosion Resistance

For similar unpainted galvanize applications, the corrosion performance is directly related to the zinc coating weight, with heavier zinc coating weights giving better performance by providing increased protection and more sacrificial zinc to prevent corrosion of the base steel and any cut edges. In addition, painting of galvanize products provides additional barrier protection, extended product life, and aesthetics.

Cut Edge Protection

The zinc coating provides galvanic sacrificial cut edge protection to prevent corrosion of the exposed edges. For these applications, as steel thickness is increased, heavier galvanize coating should be used to insure sufficient galvanic edge protection for the increased cut edge surface area.

Enhanced Surface Treatment

ArcelorMittal offers a variety of surface treatments suited to specific manufacturing and application needs. Unpainted Galvanize can be passivated with a chemical treatment and can be produced non-oiled or oiled. Surface treatments that are RoHS compliant are also available. If paint is specified, galvanize steel can be ordered as prepainted coil. This option offers an additional layer of paint barrier protection in a wide assortment of attractive colors and paint systems.

Applications

Hot Dip Galvanize, Galvanneal, and Electrogalvanize have many proven applications in Commercial, Industrial, Institutional, Agricultural, and Residential Construction.

Example applications for each product are shown below (but not limited to):

- **Hot Dip Galvanize (bare/pre-painted)** for roofing, cladding (siding), ceiling grid systems, light steel framing, garage doors, major appliances, HVAC, electrical boxes, pools, building components, culverts, grain bins, truss plates, water heaters, and many other applications
- **Galvanneal (bare/prepainted)** for floor decking, commercial doors, and corner beads
- **Electrogalvanize (prepainted)** for doors, ceiling grid systems, and miscellaneous construction components

Prepainted Galvanize

Galvanized sheet steel can also be ordered as a prepainted coil. Prepainted Galvanize provides additional paint barrier protection while offering a wide assortment of attractive colors and paint systems to fit many unique needs and applications, and can offer improved properties in:

- Corrosion resistance
- Solvent, chemical and stain resistance
- Adhesion (for bonding or foaming)
- Mechanical properties: hardness, toughness and flexibility
- Color and aesthetic properties: appearance (gloss/matte and smooth/texture) and opacity
- Durability
- Energy Efficiency
- Meeting health, safety and environmental regulations

Depending on paint requirements and exposure, a variety of polyester, silicon modified polyester, fluoropolymer, polyurethane, and plastisol paint systems are available, and should be specified with assistance from ArcelorMittal. A schematic of a typical paint system and the benefits of each component are shown in Figure 1.

Product Availability

Products	Grades	Gauge (in)		Width (in)	Coating Weights
		Min.	Max.	Max.	
Hot Dip Galvanized	CS, DDS, EDDS, FS, SS, HSLA	0.011 (0.28 mm)	0.168 (4.27 mm)	72 (1829 mm)	G30, G40, G60, G90, G115, G140, G165, G200, G235 (Z90, Z120, Z180, Z275, Z350, Z450, Z610, Z720)
Galvanneal	CS, DS, DDS, EDDS, FS, SS, HSLA	0.011 (0.28 mm)	0.168 (4.27 mm)	72 (1829 mm)	A25, A30, A40, A60 (ZF75, ZF90, ZF120, ZF180)
Electro-Galvanize	CS, DS, DDS, EDDS, FS, SS, HSLA	0.019 (0.48 mm)	0.081 (2.06 mm)	72 (1829 mm)	20G/20G, 30G/30G, 40G/40G, 50G/50G, 60G/60G, 70G/70G, 80G/80G, 90G/90G, 100G/100G
Prepaint	HDG, EG	0.011 (0.28 mm)	0.058 (1.47 mm)	61.5 (1562 mm)	Paint Systems: Acrylic, Polyester, Silicon Modified Polyester (SMP), Fluoropolymer (PVDF), Polyurethane, Plastisols

Notes:
- Gauge, width, and available coating weights are overall capabilities and vary by production line. Please inquire with exceptions.
- Pre-painted products at wider widths/heavier gauges may be available depending on coil coater used.
- On bare heavier gauge galvanize applications with cut edges, heavier galvanize coatings (>G90) should be used to ensure galvanic protection of the cut edge.

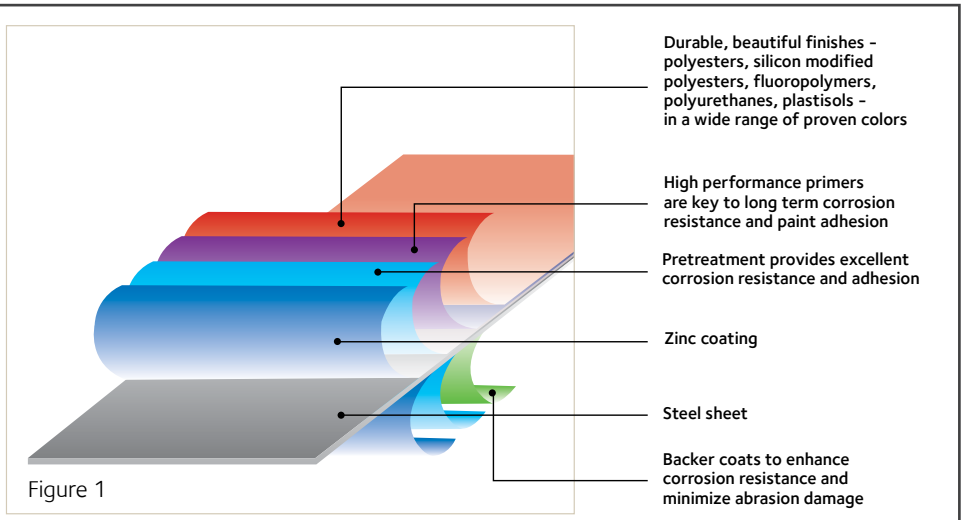


Figure 1

Recycling & Sustainability

Recycling

All galvanized steel products are essentially 100% recyclable at the end of their usable life and can be used in the basic oxygen furnace (BOF) or electric arc furnace (EAF) steel making processes to make new steel products. This reduces the amount of raw materials and energy needed along with greenhouse gas generation. Steel construction products are generally produced with at least 25% and up to nearly 100% recycled steel.

Energy Efficiency

Solar Reflectance (SR) or Reflectivity is the ability of a material to reflect solar energy from its surface back into the atmosphere. The SR "value" is a number from 0 (100% absorbance) to 1.0 (100% reflectance). For construction roofing products, a higher value indicates less energy absorption and lower roof surface temperature and subsequent heat transfer into a building.

The US Environmental Protection Agency (EPA) and Department of Energy (DOE) – ENERGY STAR™ Program require an initial SR value of 0.25 or higher for steep slope (more than 2:12) roofs and 0.15 or higher after 3 years, or an initial SR value of 0.65 or higher for low slope (2:12 or less) roofs and 0.50 or higher after 3 years. The use of select prepainted systems (typically lighter colors) on Galvanized "cool roofing" products can meet or exceed these ENERGY STAR requirements resulting in significant savings in a building's air conditioning requirements. In addition, higher SR values are also now achievable on select dark color paint systems which allow architects more color choices while still achieving energy savings (though these systems may not qualify for the ENERGY STAR rating).

The Solar Reflectance Index (SRI) is used to determine compliance with Leadership in Energy and Environmental Design (LEED™) requirements for reduced heat island effect and is calculated using values for reflectance and emissivity (a material's ability to release absorbed energy). To meet LEED requirements, a roofing material must have an SRI value of 29 or higher for steep slope (more than 2:12) roofing, or an SRI value of 78 or higher for low slope (2:12 or less) roofing. These performance requirements can also be met with the use of select prepainted systems on Galvanized products.

Points to Remember

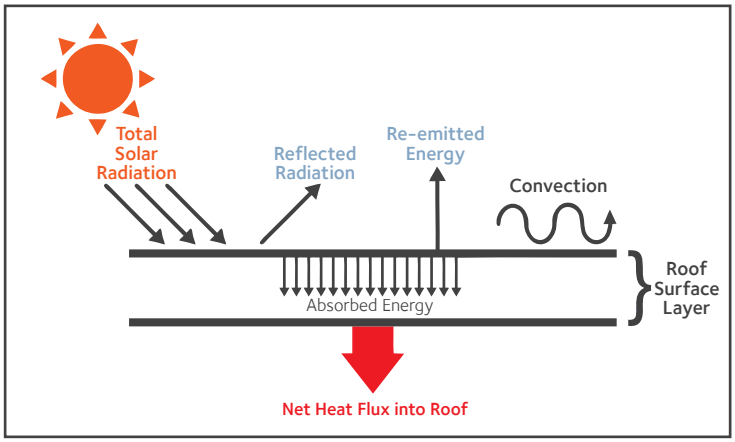
Compatibility with Dissimilar Metals and Environmental Affects

For Galvanize coated steels, contact with lead or copper must be avoided (including products containing lead or copper such as pressure treated lumber) as it can result in accelerated corrosion.

In addition, Galvanize coated steels are not recommended (or require additional zinc coatings and/or paint to limit corrosion) for applications near seawater (chlorides accelerate corrosion) or other harsh corrosive environments which have heavy exposure to corrosive chemicals (such as caustic soda, ammonia, lime, hydrochloric acid, nitric acid, hydrogen sulfide, sulfuric acid, sulfur dioxide), or excessive water contact with wet materials or standing water.

For all outdoor, bare HDG applications a minimum G90 (Z275) or heavier is recommended, and for additional protection in corrosive or polluted environments, prepainted galvanized products should be considered.

Galvanize and Galvalume™ steel should not be combined on the same building elevation because Galvanize will likely exhibit corrosion before Galvalume. As a design practice, when both materials are in contact, always use Galvalume steel downstream from unpainted Galvanized steel, otherwise accelerated corrosion of the Galvanized steel can occur. However, Galvalume steel can be used for the roof and Galvanized steel for the sides of a building.



Handling and Storage

To preserve the surface, handling should only be carried out using clean, dry gloves. Do not slide sheets over rough surfaces or each other.

As with painted steel products, bundles of Galvanize steel sheets or products made from Galvanize steel in all finishes must be kept dry in transit. After transit, material should then be covered and stored off the ground, at a slight angle, to prevent water or condensation from being trapped between adjacent sheet surfaces.

If the bundles become wet, sheets should be separated, wiped with a clean cloth without delay, and then placed so that air circulation completes the drying process. These procedures are recommended to avoid possible deterioration of the coating, which could result in non-uniform appearance.

Joining and Sealing

Common fasteners used on galvanize, galvanneal, and electrogalvanize steel sheet include:

- **Mechanical Zinc Plated Fasteners** are produced by impacting/adhering zinc to the fastener surface which results in a porous light to heavy zinc coating (as required) that may have a top sealer, and provides good galvanic corrosion protection (which improves with zinc coating thickness). However non-uniform zinc may be deposited in the base of the screw threads.
- **Electro-Zinc Plated Fasteners** are produced by acid cleaning the fastener prior to electroplating zinc, followed by a sealer for additional temporary protection which results in a fastener with good galvanic and barrier protection. They are the most commonly used type of fastener.
- **Hot Dip Galvanized Fasteners** are produced by immersing the fasteners in a bath of molten zinc which results in thicker continuous zinc coatings with good galvanic and barrier protection. However excessive zinc may be deposited in the base of the screw threads.
- **Specialty Coated Fasteners** are produced with metallic and polymer coatings typically in a dip, spin, bake operation, and offer improved fastener corrosion performance over just zinc plating. This fastener also typically has a built-in gasket.
- **Stainless Steel Fasteners** are typically made of 304 or 316 stainless steel which contains ferrous alloys containing chromium and nickel which gives the steel very good corrosion resistance. These generally require a non-conductive gasket between the stainless steel fastener and galvanized material, and due to higher cost are typically used in highly corrosive environments.

In addition, washers made of EPDM or a similar material should be used, fasteners containing lead or copper should be avoided along with lead headed nails and lead washers. **The ultimate selection of suitable fasteners to be used rests solely with the buyer.**

For construction projects using pressure treated wood, fasteners should be hotdipped galvanized (for limited applications such as connecting strapping to an ACQ pressure treated wood framing member), or stainless steel (300 series recommended), or other fasteners or coatings as recommended by the fastener manufacturer. In addition non-permeable membrane materials (such as ice/water shield) should be used between galvanize panels, components, etc., in direct contact with pressure treated wood.

For sealing, neutral cure silicone or butyl rubber based sealants should be used. Sealants containing acetic acid or amines should not be used on galvanized steel. Check with your sealant supplier for brand name recommendations.

Special Customer Note:
The Information in this Fact Sheet is provided for the general guidance of customers and does not imply any warranty. Information provided is based on research conducted by ArcelorMittal and other organizations. Interpretation and/or use of this information is the sole responsibility of the user. For further details, contact ArcelorMittal USA or Canada.

TM – ArcelorMittal (Logo/Slogan) is a trademark of ArcelorMittal.
TM - Solutions in Steel is a trademark of ArcelorMittal Dofasco.
TM - Galvalume is a trademark of ArcelorMittal Dofasco in Canada, and a trademark of BIEC International Inc. in the United States.
TM – ENERGY STAR is a trademark of the US Environmental Protection Agency.
TM - LEED (Leadership in Energy and Environmental Design) is a registered trademark of U.S.G.B.C.

ArcelorMittal Dofasco
Box 2460, 1330 Burlington Street East
Hamilton, ON L8N 3J5
Canada

T 1-800-816-6333
E customer-inquiries.dofasco@arcelormittal.com

ArcelorMittal USA
1 South Dearborn Street
Chicago, IL 60603
USA

T 1-800-422-9422
E constructioninquiries@arcelormittal.com

www.arcelormittal.com