

MOSAIC

PRODUCT DATA

MOSAIC is a fully framed wall cladding system designed to make decorative glass installation easier than ever before. It is an ALL-IN-ONE SOLUTION, developed to your specifications and delivered ready to install in a simple, clip-together fashion. It was created with Architects and Designers in mind and is compatible with all decorative glass types and thicknesses. This creates enhanced design flexibility to achieve a wide range of design goals.



MOSAIC PROFILE DESIGN

PROFILE OPTIONS	DESIGN
HIDDEN PROFILE	The MOSAIC frame has a 0.04" (1 mm) protective deletion that creates a shadow reveal.
OPEN PROFILE	The MOSAIC frame meets the edge of the glass but does not cover any of the surface areas on the front of the glass panel.
CLOSED PROFILE	The MOSAIC frame is visible and covers approximately 1/2" (12.7mm) of the perimeter on the front of the glass panel.
BACKLIT PROFILE	The frame is designed to fit one glass lites and an LED panel. The MOSAIC frame is visible and covers approximately 1/2" (12.7mm) of the perimeter on the front of the glass panel.



GOLDRAY

G L A S S

DESIGN SPECIFICATIONS AND INSTALLATION

Frame finish options may vary depending on the profile and the minimum order quantity. The following colors are available:

- Clear Anodized (standard for Open, Closed, and Backlit profiles)
- Black (standard for Hidden Profile)
- Custom colors (available on certain project)

MOSAIC to be installed by a licensed Glazing Contractor. A detailed installation manual is provided to aid in the installation process. All wall clips and finishing pieces necessary to complete the MOSAIC installation are included in each order. Frames are delivered with protective film only on exposed finishes.

PRODUCT CERTIFICATIONS

Low Emitting Materials: Clean Air Gold Certified

TOLERANCE

- +0" (0mm) to -0.02" (0.5mm) OD. As the system is designed to compensate for drywall tolerances, the frame is fabricated to fit closely to avoid compound errors with the wall.
- Substrate finish: Drywall finished to level 4. Vertical and Horizontal (plumb, level) Alignment of wall shall be within 1/960" (1/8" in 10")

MOSAIC FLAME SPREAD & SMOKE INDEX

Glass type	Flame Spread Index	Smoke Developed Index
Mosaic Laminated Glass	20	160
Mosaic Solid Color Glass	0	20



PRODUCT FEATURES

- Prefabricated to your specifications and delivered ready to install
- Quick and simple installation
- Standard and customizable design options
- Durable and abrasion resistant
- Cost-effective and easy to maintain

APPLICABLE STANDARDS

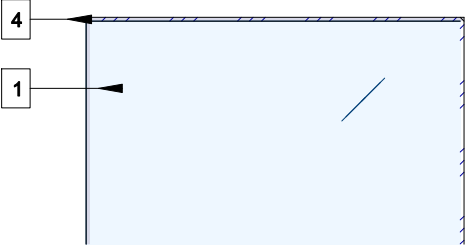
- ANSI Z97.1 2015 UA: Pass
 - » Laminated Glazing
 - » Tempered Glazing
- 16 CFR 1201: Pass
- CAN/CGSB 12.1-2017: Pass

APPLICABLE SPECIFICATION

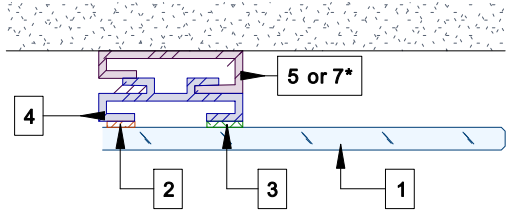
- MOSAIC complies with all major building codes and meets the following industry standards:
- ASTM C1036 - Specification for Flat Glass
 - ASTM C1048 - Specification for Heat-Strengthened and Fully Tempered Flat Glass
 - ASTM C1172 - Specification for Laminated Architectural Flat Glass (When Laminated)
 - ASTM E84 Test: Classification A Rating



FRONT OF MOSAIC HIDDEN PROFILE

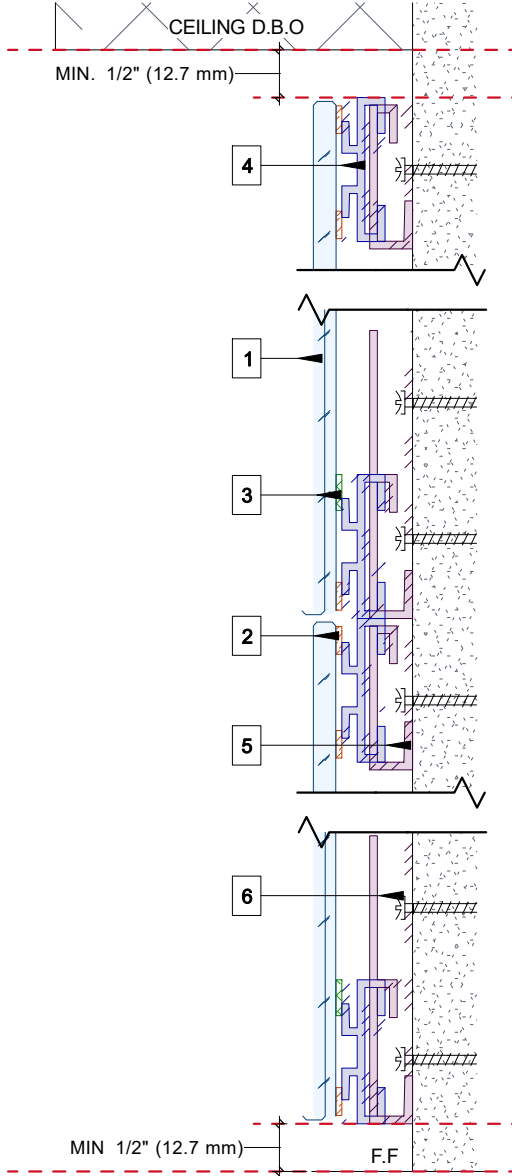


SIDE OF MOSAIC HIDDEN PROFILE WITH 1/4" (6mm) GLASS



*SIDE CLIP IS OPTIONAL. NEEDS 3-1/8" (85mm) CLEARANCE FOR INSTALL.

SECTION OF MOSAIC HIDDEN PROFILE PANELS INSTALLED WITH 1/4" (6mm) GLASS



ADDITIONAL INFORMATION

MOUNTING THICKNESS

- APPROXIMATELY 3/4" (19mm) + LITE
- 1 1/32" (26.6mm) WITH 1/4" (6mm) LITE

FRAME FINISH

- BLACK ANODIZED

GLASS FINISHES

- SOLID COLOR
- PATTERNS
- DICHROIC
- NATURALS
- MARKER BOARD
- GRAPHICS

PANEL SIZE WITH 1/4" (6mm) GLASS

- WIDTH OR HEIGHT MUST NOT EXCEED 60" (1525mm)
 - MAXIMUM OF 120" (3048mm)
 - MINIMUM OF 6-1/8" (155mm)

ENGINEERED SUBSTRATES

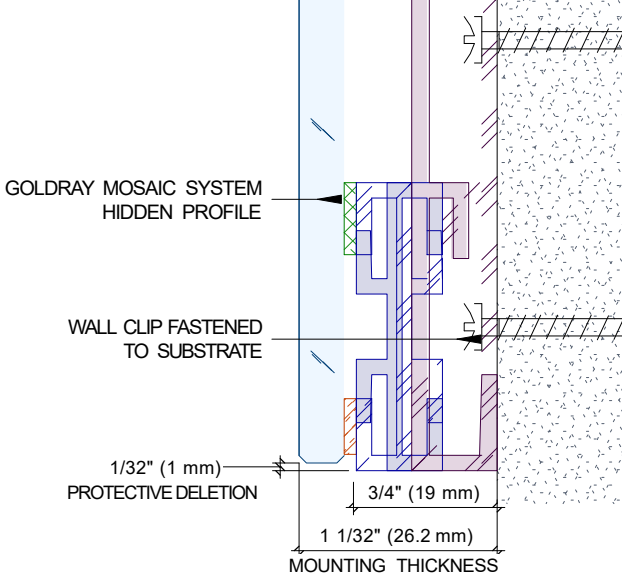
- METAL STUDS: 16 Ga, 18 Ga, 20 Ga
- WOOD BLOCKING
- CRACKED CONCRETE OR Fc4000 UNCRACKED
- 1/2", 5/8" PLYWOOD*

*PLYWOOD, DUE TO ITS SLOW DENSITY BLOCKING, ADDITIONAL FASTENERS MAY BE REQUIRED.

SUBSTRATE FINISH

- DRY WALL FINISHED TO LEVEL 4
- VERTICAL, HORIZONTAL (PLUMB, LEVEL) ALIGNMENT OF WALL SHALL BE WITHIN 1/960" (1/8" IN 10')

SECTION OF MOSAIC HIDDEN PROFILE WITH 1/4" (6mm) GLASS



PART LIST

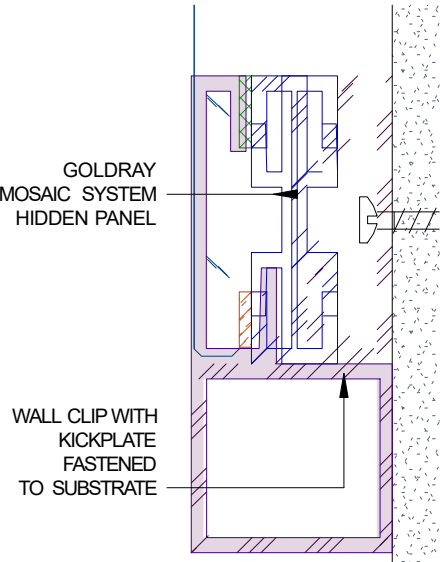
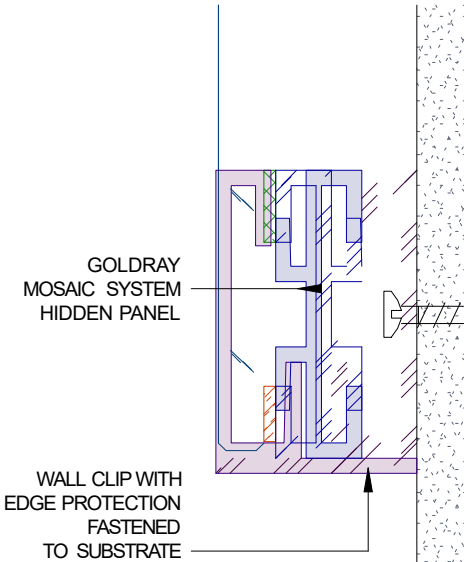
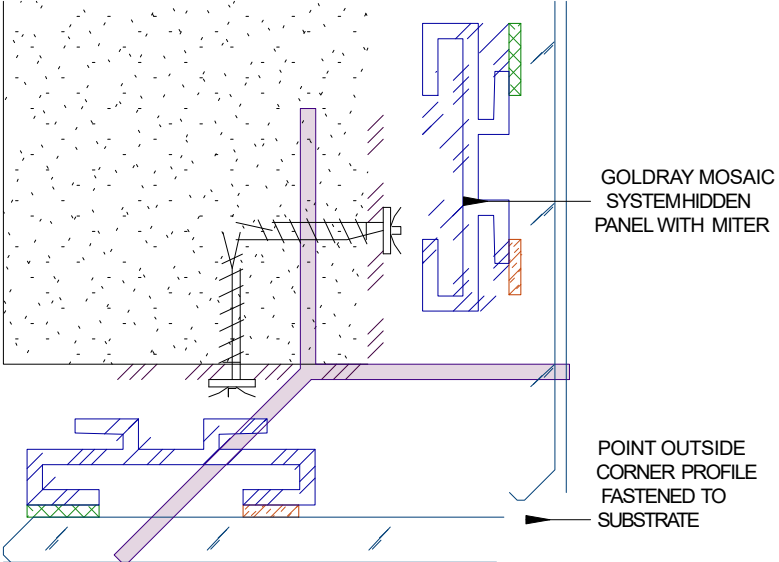
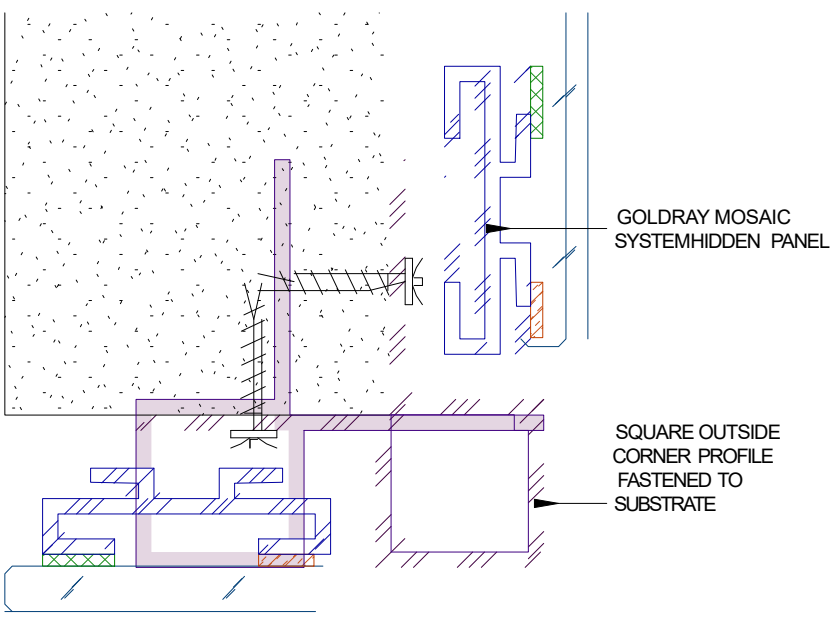
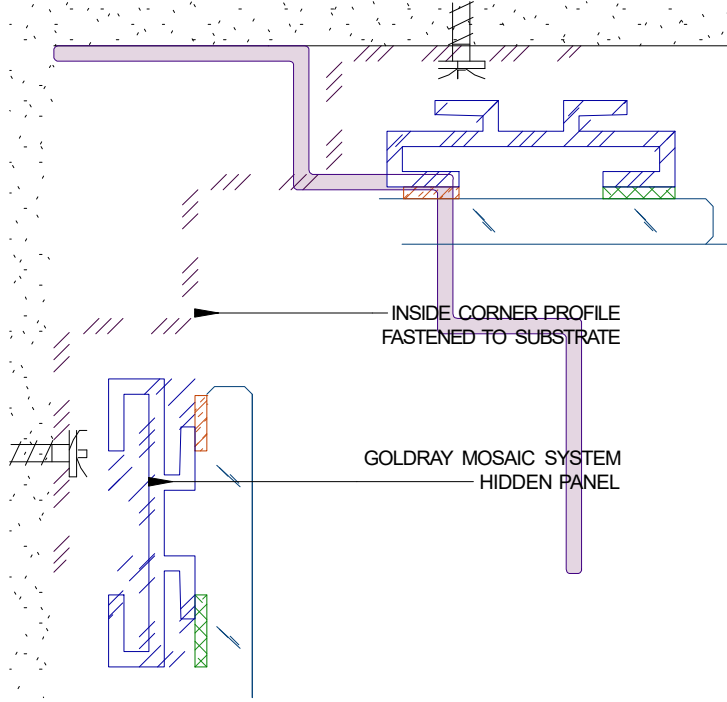
FINISH	PART NUMBER	NO.	PART NAME
T.B.D	1 1/4" (6mm) GLASS	T.B.D	
CLEAR	N/A	2	TAPE
WHITE	N/A	3	SEALANT
BLACK ANODIZED	FRM-F006-BLK	4	FRAME - HIDDEN
BLACK ANODIZED	FRM-W001-BLK	5	WALL CLIP / SIDE CLIP
BLACK ANODIZED	6 HEAVY DUTY WALL CLIP		FRM-W008-BLK

MOSAIC HIDDEN PROFILE INFORMATION SHEET

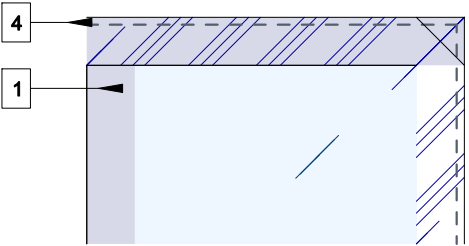
N.T.S	SCALE:	JP	DRAWN BY:	SHEET NAME:			
SHEET NO.	PR	CHECKED BY:	NOTES:		4605 52nd Ave. SE Calgary, Alberta Canada T2C 4N7	403.236.1333 TOLL FREE: 800.640.3709 403.236.1373 EMAIL: info@goldrayglass.com	
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MOSAIC HIDDEN PROFILE ADDITIONAL DETAILS

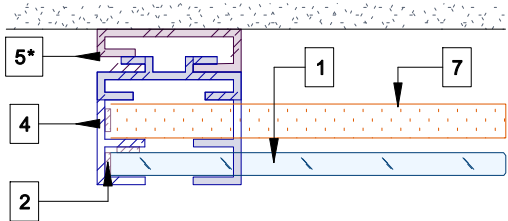
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FRONT OF MOSAIC BACKLIT PANEL

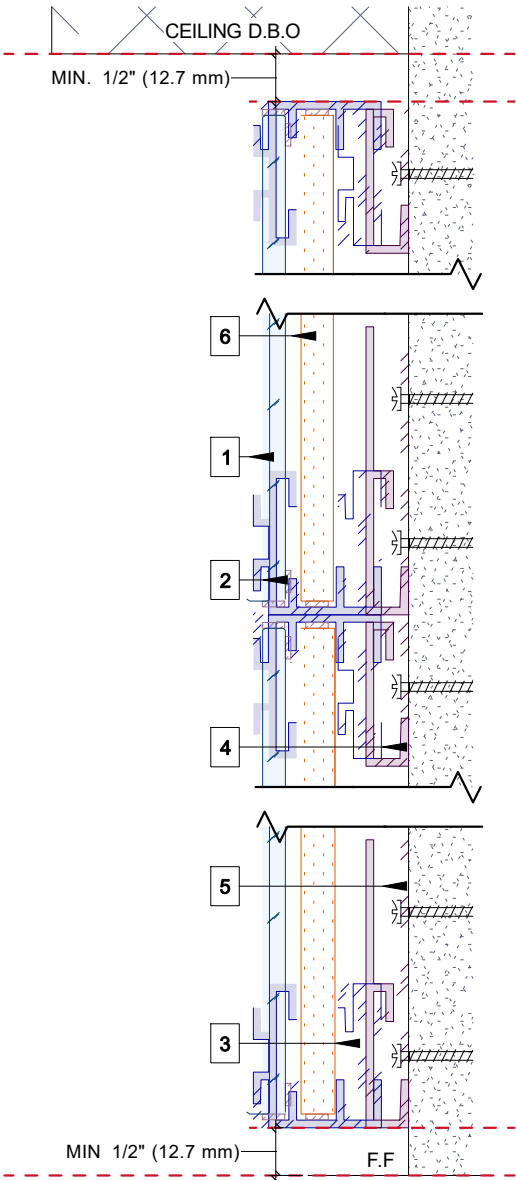


SIDE OF MOSAIC BACKLIT PANEL WITH 1/4" (6mm) GLASS



*SIDE CLIP IS OPTIONAL. NEEDS 3-1/8" (85mm) CLEARANCE FOR INSTALL.

SECTION OF MOSAIC BACKLIT PROFILE PANELS INSTALLED WITH 1/4" (6mm) GLASS



ADDITIONAL INFORMATION

MOUNTING THICKNESS

- APPROXIMATELY 15/8" (41.1mm)

FRAME FINISH

- CLEARANODIZED

GLASS FINISHES

- PATTERNS
- DICHROIC
- ILLUMINATED PANELS
- NATURALS
- MARKERBOARD
- GRAPHICS
- SOLIDCOLOR

PANEL SIZE WITH 1/4" (6mm) GLASS

- WIDTH OR HEIGHT MUST NOT EXCEED 60" (1525mm)
 - MAXIMUM OF 120" (3048mm)
 - MINIMUM OF 6-1/8" (155mm)

ENGINEERED SUBSTRATES

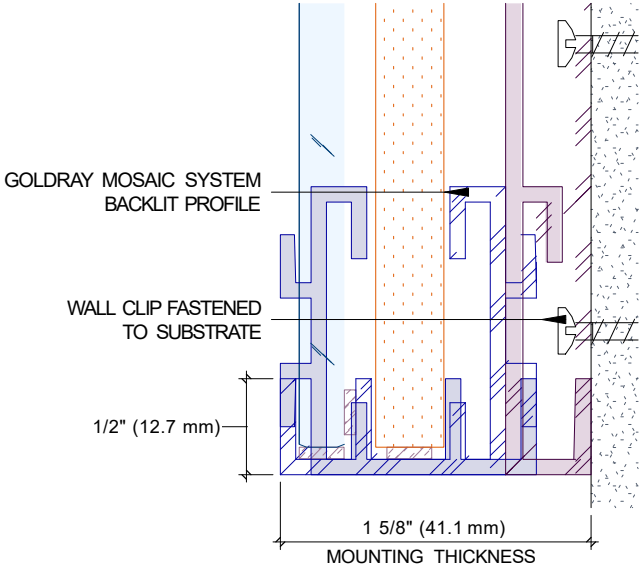
- METAL STUDS: 16 Ga, 18 Ga, 20 Ga
 - WOOD BLOCKING
- CRACKED CONCRETE OR Fc4000 UNCRACKED
 - 1/2", 5/8" PLYWOOD*

*PLYWOOD, DUE TO ITS SLOW DENSITY BLOCKING, ADDITIONAL FASTENERS MAY BE REQUIRED.

SUBSTRATE FINISH

- DRYWALL FINISHED TO LEVEL 4
- VERTICAL, HORIZONTAL (PLUMB, LEVEL) ALIGNMENT OF WALL SHALL BE WITHIN 1/960" (1/8" IN 10')

SECTION OF MOSAIC BACKLIT PROFILE WITH 1/4" (6mm) GLASS



PART LIST

FINISH	PART NUMBER	NO.	PART NAME
T.B.D	1	1/4" (6mm) GLASS	T.B.D
GREY	N/A	TAPE	2
FRM-F004-CL/AN	CLEARANODIZED	BACKLIT FRAME	3
CLEARANODIZED	FRM-W001-CL/AN	WALL CLIP / SIDE CLIP	4
CLEARANODIZED	FRM-W008-CL/AN	HEAVY DUTY WALL CLIP	5
N/A - LIGHT	N/A	LED LIGHT PANEL	6

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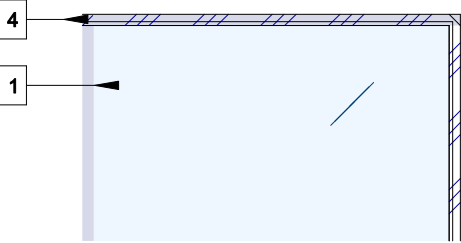
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MOSAIC BACKLIT PROFILE ADDITIONAL DETAILS

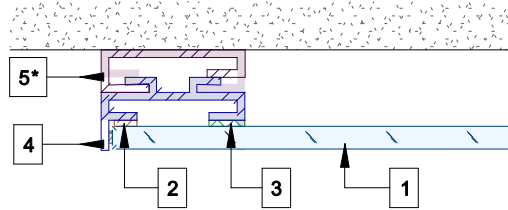
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FRONT OF MOSAIC OPEN PANEL

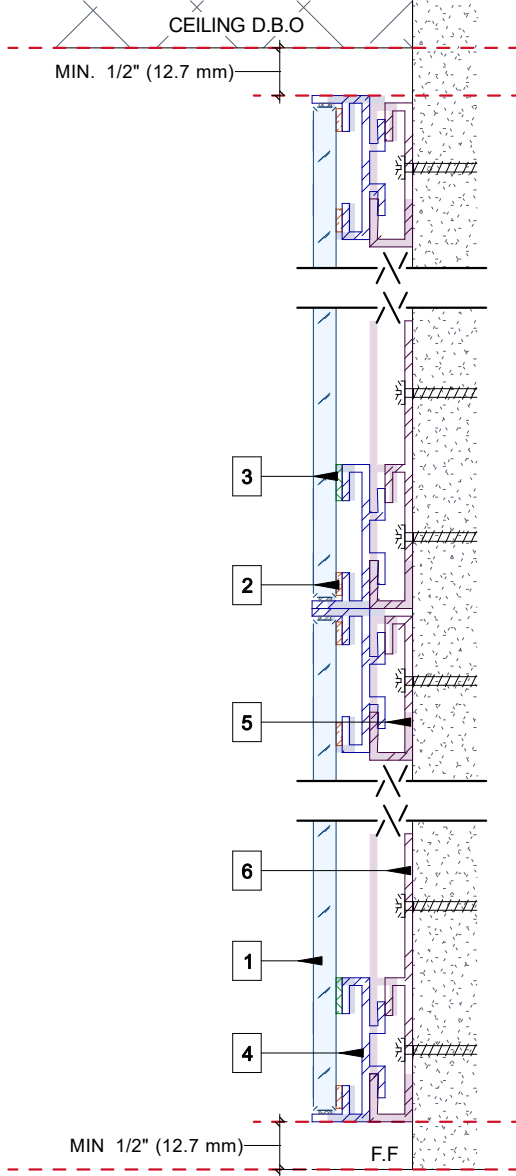


SIDE OF MOSAIC OPEN PANEL WITH 1/4" (6mm) GLASS

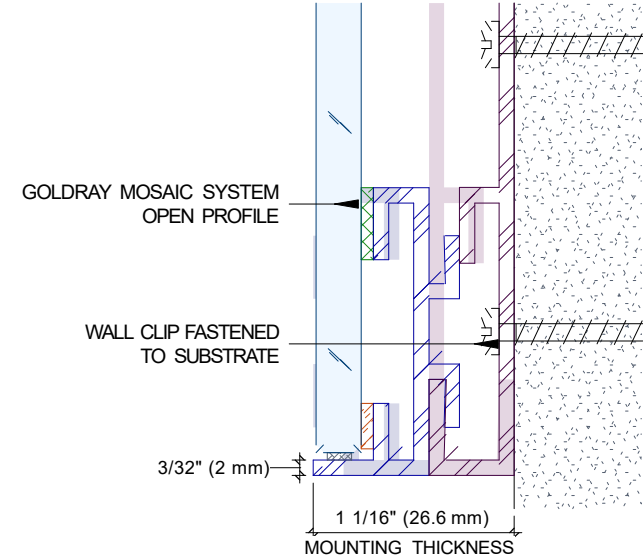


*SIDE CLIP IS OPTIONAL. NEEDS 3-1/8" (85mm) CLEARANCE FOR INSTALL.

SECTION OF MOSAIC OPEN PROFILE PANELS INSTALLED WITH 1/4" (6mm) GLASS



SECTION OF MOSAIC OPEN PROFILE WITH 1/4" (6mm) GLASS



PART LIST			
FINISH	PART NUMBER	NO. PART NAME	
1 1/4" (6mm) GLASS	T.B.D	T.B.D	
CLEAR	N/A	TAPE	2
WHITE	N/A	SEALANT	3
CLEARANODIZED	FRM-F001-CL/AN	OPEN FRAME	4
CLEARANODIZED	FRM-W001-CL/AN	WALL CLIP / SIDE CLIP	5
CLEARANODIZED	FRM-W008-CL/AN	HEAVY DUTY WALL CLIP	6

ADDITIONAL INFORMATION

MOUNTING THICKNESS

- APPROXIMATELY 1 1/16" (26.6mm)

FRAME FINISH

- CLEARANODIZED

GLASS FINISHES

- SOLID COLOR
- PATTERNS
- DICHROIC
- NATURALS
- MARKER BOARD
- GRAPHICS

PANEL SIZE WITH 1/4" (6mm) GLASS

- WIDTH OR HEIGHT MUST NOT EXCEED 60" (1525mm)
 - MAXIMUM OF 120" (3048mm)
 - MINIMUM OF 6-1/8" (155mm)

ENGINEERED SUBSTRATES

- METAL STUDS: 16 Ga, 18 Ga, 20 Ga
- WOOD BLOCKING
- CRACKED CONCRETE OR F'c 4000 UNCRACKED
- 1/2", 5/8" PLYWOOD*

*PLYWOOD, DUE TO ITS LOW DENSITY BLOCKING, ADDITIONAL FASTENERS MAY BE REQUIRED.

SUBSTRATE FINISH

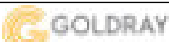
- DRYWALL FINISHED TO LEVEL 4
- VERTICAL, HORIZONTAL (PLUMB, LEVEL) ALIGNMENT OF WALL SHALL BE WITHIN 1/960" (1/8" IN 10')

MOSAIC OPEN PROFILE INFORMATION SHEET

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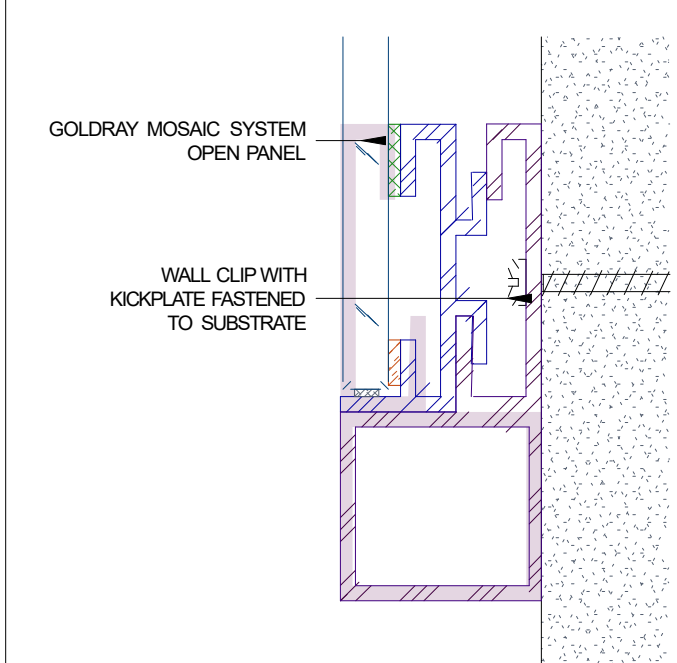
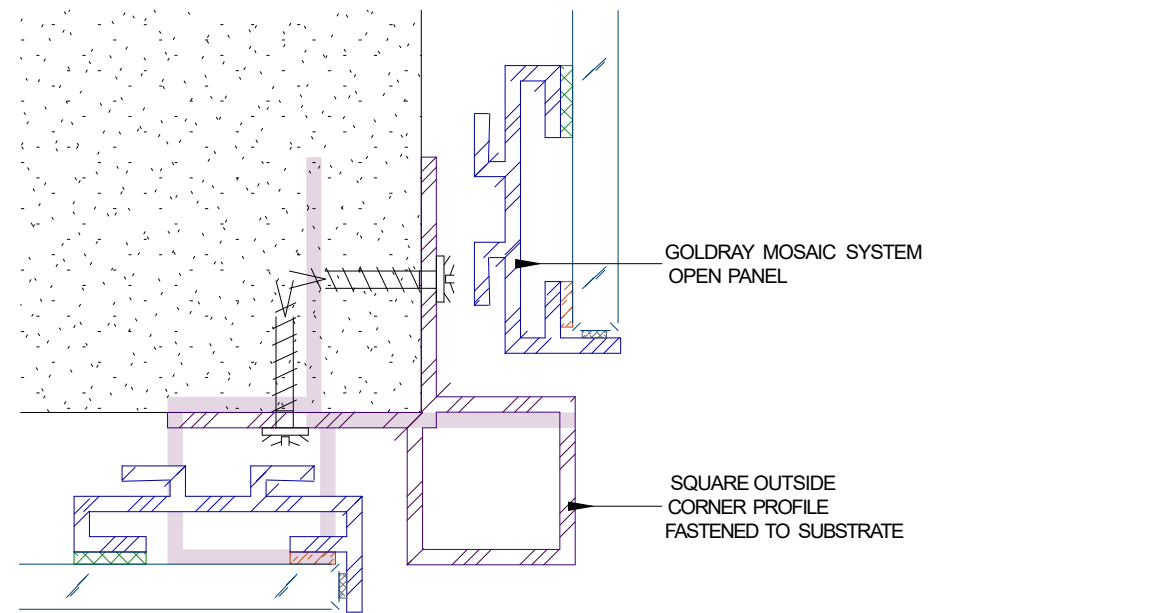
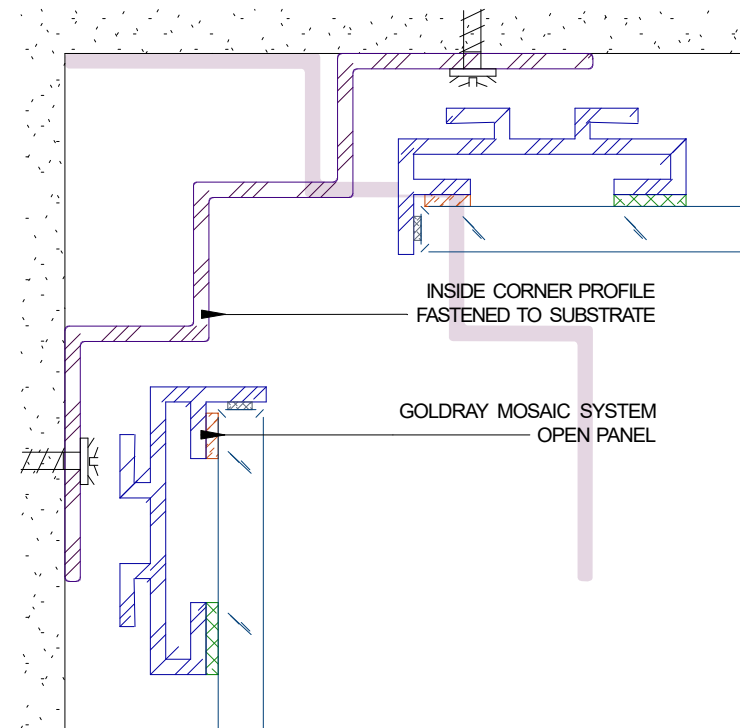
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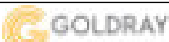
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MOSAIC OPEN PROFILE ADDITIONAL DETAILS



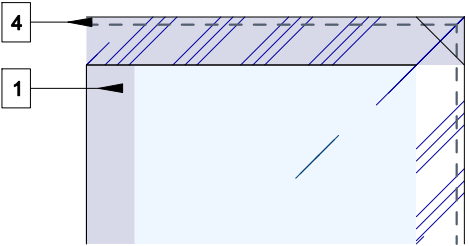
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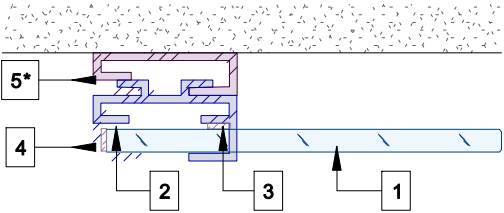
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FRONT OF MOSAIC CLOSED PANEL

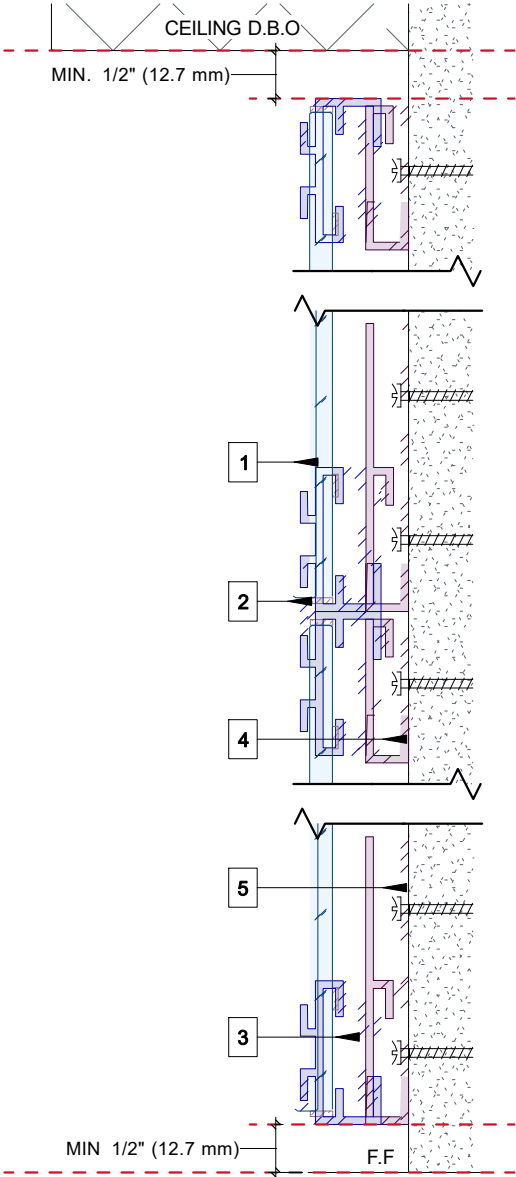


SIDE OF MOSAIC CLOSED PANEL WITH 1/4" (6mm) GLASS



*SIDE CLIP IS OPTIONAL. NEEDS 3-1/8" (85mm) CLEARANCE FOR INSTALL.

SECTION OF MOSAIC CLOSED PROFILE PANELS INSTALLED WITH 1/4" (6mm) GLASS



ADDITIONAL INFORMATION

MOUNTING THICKNESS

- APPROXIMATELY 1 1/8" (28.6mm)

FRAME FINISH

- CLEARANODIZED

GLASS FINISHES

- SOLID COLOR
- PATTERNS
- DICHROIC
- NATURALS
- MARKERBOARD
- GRAPHICS

PANEL SIZE WITH 1/4" (6mm) GLASS

- WIDTH OR HEIGHT MUST NOT EXCEED 60" (1525mm)
 - MAXIMUM OF 120" (3048mm)
 - MINIMUM OF 6-1/8" (155mm)

ENGINEERED SUBSTRATES

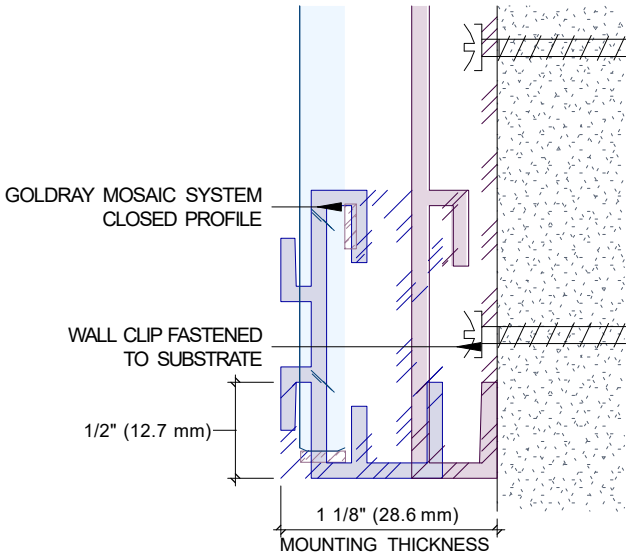
- METAL STUDS: 16 Ga, 18 Ga, 20 Ga
- WOOD BLOCKING
- CRACKED CONCRETE OR F'c 4000 UNCRACKED
- 1/2", 5/8" PLYWOOD*

*PLYWOOD, DUE TO ITS LOW DENSITY BLOCKING, ADDITIONAL FASTENERS MAY BE REQUIRED.

SUBSTRATE FINISH

- DRYWALL FINISHED TO LEVEL 4
- VERTICAL, HORIZONTAL (PLUMB, LEVEL) ALIGNMENT OF WALL SHALL BE WITHIN 1/960" (1/8" IN 10')



SECTION OF MOSAIC CLOSED PROFILE WITH 1/4" (6mm) GLASS



PART LIST

FINISH	PART NUMBER	NO.	PART NAME
T.B.D	1	1/4" (6mm) GLASS	T.B.D
GREY	N/A	TAPE	2
FRM-F003-CL/AN	CLEARANODIZED	CLOSED FRAME	3
CLEARANODIZED	FRM-W001-CL/AN	WALL CLIP / SIDE CLIP	4
CLEARANODIZED	FRM-W008-CL/AN	HEAVY DUTY WALL CLIP	5

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