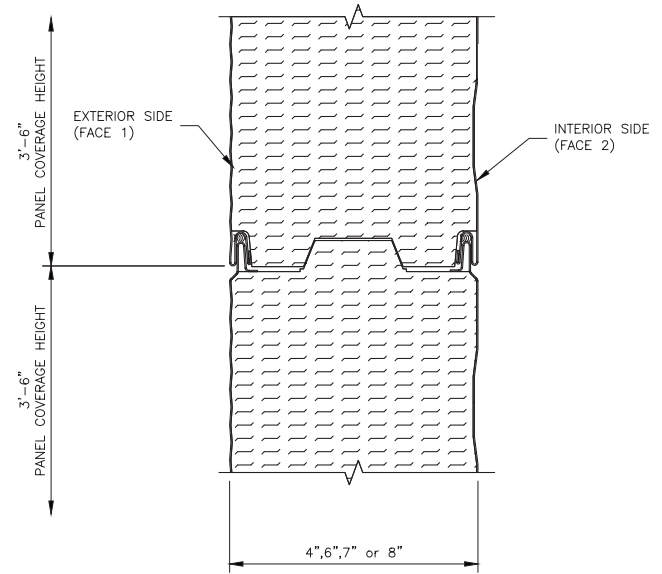
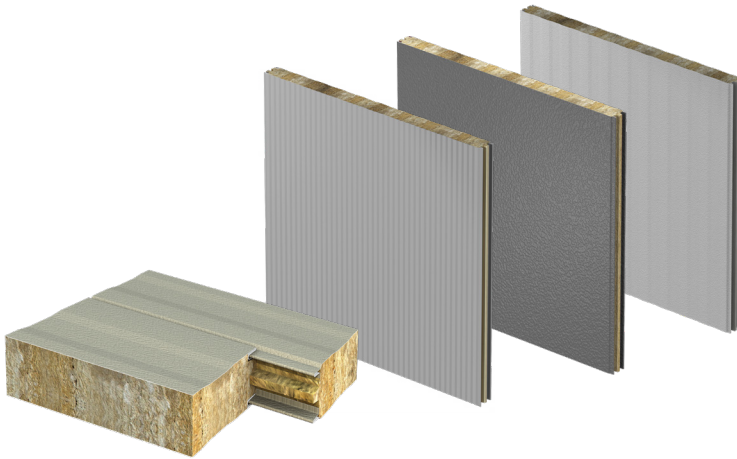


### DESCRIPTION

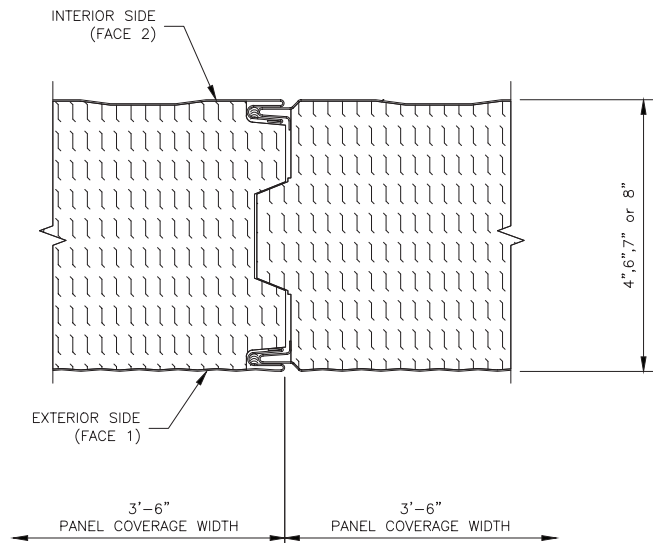
TotalClad MW fire-resistant insulated metal wall panels reimagine fire protection by offering a single component metal panel solution for both interior and exterior applications. The TotalClad MW fire-resistant insulated metal panel features a non-combustible mineral wool core that provides superior fire performance as well as good thermal characteristics. The mineral wool core is bonded to exterior and interior metal skins and achieves 1-hour, 2-hour and 3-hour fire ratings with 4", 6", 7" and 8" thick panels, respectively.



HORIZONTAL JOINT STRIATED APPLICATION

### GENERAL DESIGN OPTIONS

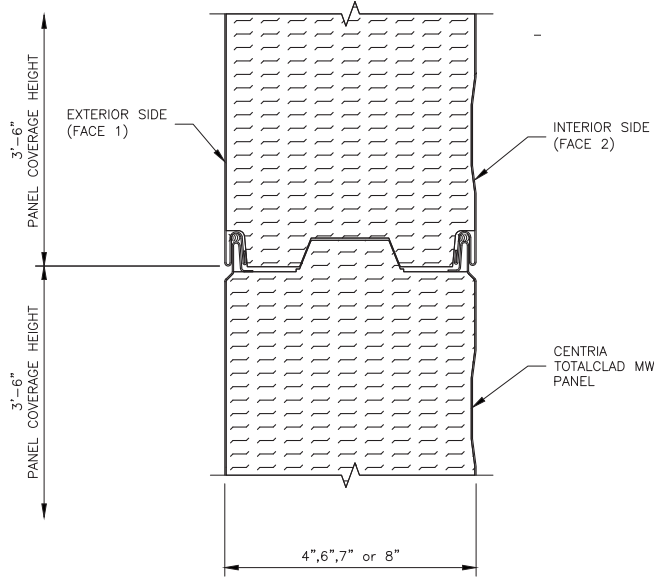
	TOTALCLAD MW INSULATED METAL PANEL
PANEL THICKNESS	4", 6", 7", 8"
PANEL MODULE	42"
SIDE JOINT	Double Tongue and Groove
CORE MATERIAL	Mineral Wool 8.5 lbs. density
BASE MATERIAL	G-90 galvanized steel
EXTERIOR FACE	26, 24 ga. Embossed Striated or Embossed Micro Planked, (1/32" [.79mm] deep) 26 ga. Heavy Embossed (Flat)
INTERIOR LINER	24 & 26 ga. Micro Planked 1/32", Embossed
LENGTHS	8' - 40'
THERMAL VALUE	R = 3.61 / inch
PANEL WEIGHT	4" = 4.65 lbs./sf. 6" = 6.21 lbs./sf. 7" = 6.92 lbs./sf. 8" = 7.63 lbs./sf.
FIRE RATING	4" - 1 hr. 6" - 2 hr. 7" - 2 hr. 8" - 3 hr.



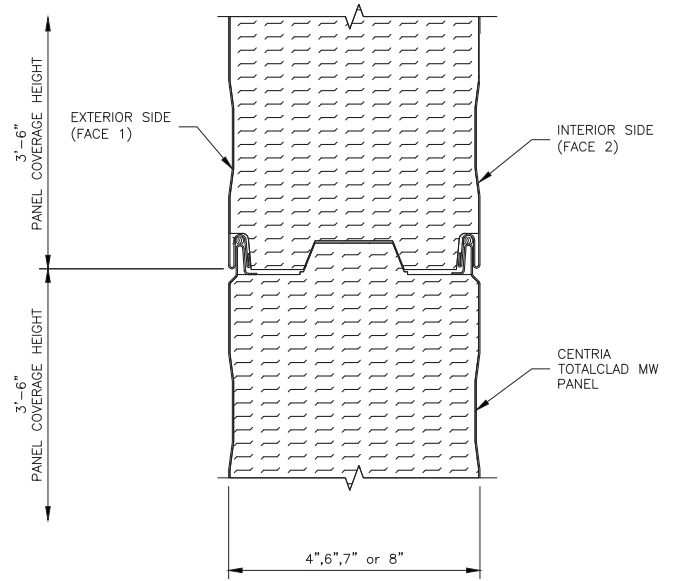
VERTICAL JOINT STRIATED APPLICATION

A. Fire ratings per UL 050

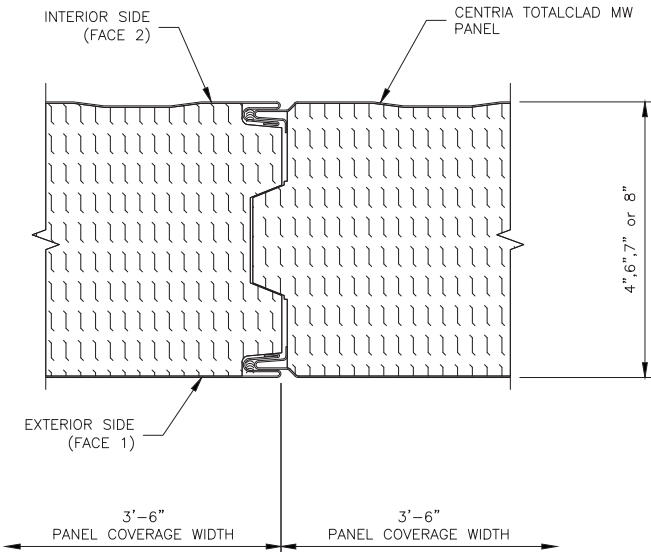
B. For more information on special applications consult CENTRIA.



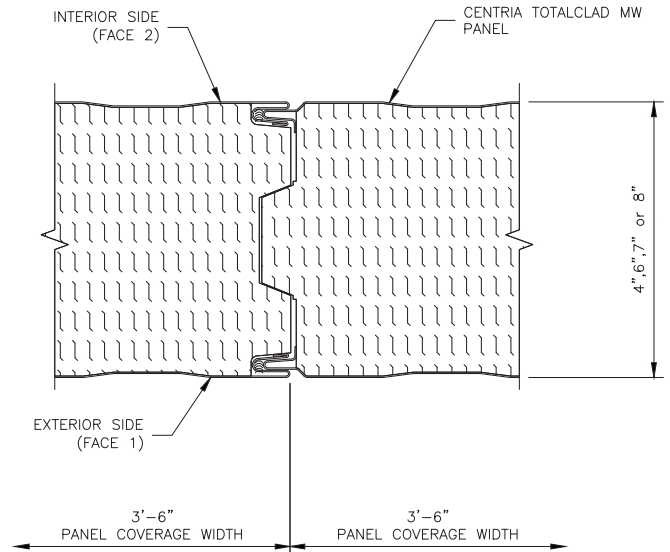
HORIZONTAL JOINT HEAVY EMBOSSED APPLICATION



HORIZONTAL JOINT MICRO PLANKED APPLICATION



VERTICAL JOINT HEAVY EMBOSSED APPLICATION



VERTICAL JOINT MICRO PLANKED APPLICATION

**FEATURES & BENEFITS**

- 1-hour, 2-hour, and 3-hour fire resistance ratings
- Will not burn or release gases in a fire
- Dimensionally stable, water repellent and will not expand
- Excels in both interior and exterior applications
- Meets the most stringent fire performance building codes
- Ideal for commercial and industrial applications, arenas and manufacturing facilities
- Superior vapor barrier from noncombustible mineral wool core
- Available in multiple exterior profiles: Striated, Heavy Embossed and Micro Planked (current)

**PRODUCT SPECIFICATION AND TESTING COMPLIANCE**

<b>R VALUE</b>	R= 3.61 /inch
<b>FACE AND LINER SUBSTRATE</b>	G-90 galvanized steel
<b>FACE AND LINER GAUGE</b>	26 ga. or 24 ga.
<b>EXTERIOR FACE</b>	26, 24 ga. Embossed Striated or Embossed Micro Planked, (1/32" [.79mm] deep) 26 ga. Heavy Embossed (Flat)
<b>INTERIOR LINER</b>	24 & 26 ga. Micro Planked 1/32", Embossed
<b>PANEL CORE</b>	Non-combustible mineral wool - 8.5 lbs. density
<b>MODULE WIDTH</b>	42"
<b>PANEL THICKNESS</b>	4", 6", 7", 8"
<b>PANEL LENGTHS</b>	8' to 40'; limited by thickness – contact CENTRIA for length limitations
<b>PANEL WEIGHT</b>	4" = 4.65 lbs./sf. 6" = 6.21 lbs./sf. 7" = 6.92 lbs./sf. 8" = 7.63 lbs./sf.
<b>FASTENING</b>	Through fastened – installation methods / patterns may vary based on fire resistance requirements and windloads
<b>ASTM E 84</b>	Maximum flame spread of 0 and a maximum smoke developed rating of 0
<b>ASTM E 119 (UL 263)</b>	Fire Tests of Building Construction Materials
<b>ASTM E 72</b>	The design load/deflection criteria shall be verified from tests per ASTM E 72
<b>ASTM E 283</b>	Air infiltration shall not exceed 0.01 cfm at 6.24 psf and 0.04 cfm at a static pressure of 12.0 psf when tested per ASTM E 283
<b>ASTM E 331</b>	There shall be no uncontrolled water penetration through the panel joints at a static pressure of 20.0 psf
<b>ASTM C 518</b>	K-factor of 0.275 btu/sf/hr/deg. F at 75° F, (24° C) mean temperature*

\*K-Factor calculations: BTU in/ft² hr. °F

\*\*Based on ASTM C 518, ASTM C 1363 and thermal modeling, 75° F core mean temp.