



TECHNICAL BULLETIN

Issue Date : August 16, 2016

Revised : August 15, 2022

No. 04-404-16

Factory Mutual Approval 238T 16" & 238T 24"

McElroy Metal, Inc. has satisfied all requirements for **Factory Mutual Research Standard 4471** on its 238T panel. The panel must be installed as specified in the CONCLUSIONS of the FM report. The following is a summary of the approval report and the classifications issued. Please note Factory Mutual requires the substrate to be the main supporting structural roof member. It may not be a subpurlin or a furring member unless specifically called out.

Roof Nav Assembly Number	Classification	Panel	Minimum Gauge	Panel Yield Strength (Min)	Minimum Substrate	Substrate Yield Strength (Min)	Substrate Spacing	Clip Type	Fasteners
240873-0-0 ¹	1-75	16" 238T	24	50 ksi	16 Ga. steel Roofhuggers	50 ksi	5'-0" MAX	STD 16 Ga	(2) ¼-14 SD
241354-0-0 ¹	1-75	16" 238T	24	50 ksi	16 Ga. steel	50 ksi	5'-0" MAX	STD 16 Ga	(2) ¼-14 SD
241719-0-0 ¹	1-195	16" 238T	24	50 ksi	16 Ga. steel Roofhuggers	50 ksi Min.	5'-0" MAX	Cont. 22 Ga	(4) ¼-14 SD
241729-0-0 ¹	1-195	16" 238T	24	50 ksi	16 Ga. steel	50 ksi Min.	5'-0" MAX	Cont. 22 Ga	(4) ¼-14 SD
528894-0-0 528949-0-0 1, 2, 3	1-105	24" 238T	24	50 ksi	16 Ga. Steel	50 ksi Min	5'-0" MAX	Cont. 24 Ga.	(4) ¼-14 SD
528950-0-0 528951-0-0 ³	1-120	16" 238T	0.040 Aluminum	14 ksi	22 Ga. Deck	33 ksi Min	2'-0" MAX	STD 16 Ga	(2) - #14 Dekfast
528952-0-0 528953-0-0 ³	1-165	16" 238T	0.040 Aluminum	14 ksi	22 Ga Deck	33 ksi	1'-0" MAX	STD 16 Ga	(2) - #14 Dekfast
528954-0-0 528955-0-0 ³	1-180	16" 238T	0.040 Aluminum	14 ksi	22 Ga Deck	80 ksi	1'-0" MAX	STD 16 Ga	(2) - #14 Dekfast

- Optional Factory Mutual Research Approved faced glass fiber insulation may be placed between the panel and the substrate.
- Optional U-Panel liner
- Optional minimum 1.5" and maximum 12.5" AC Foam insulation or up to 9.5" glass fiber insulation.

Report No. : 3033681
Report No. : PR452514

Dated: April 28, 2009
Dated: July 20, 2022

CORPORATE OFFICE
SHREVEPORT, LOUISIANA