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Technical Bulletin

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Factory Mutual Approval

Trap-Tee

McElroy Metal, Inc. has satisfied all requirements for **Factory Mutual Research Standard 4471** on its Trap-Tee 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 Width	Minimum Gauge	Panel Yield Strength (Min)	Minimum Substrate	Substrate Yield Strength (Min)	Substrate Spacing	Clip Type	Fasteners
573222-0-0[1] 573223-0-0[2]	1-75	18”	24	50 ksi	16 Ga. Steel	55 ksi	5’-0” MAX	Standard, 16ga	(2) ¼-14 SD
573224-0-0[1] 573225-0-0[2]	1-120	18”	24	50 ksi	16 Ga. Steel	55 ksi	2’-6” MAX	Standard, 16ga	(2) ¼-14 SD
573226-0-0[1] 573227-0-0[2]	1-90	18”	24	50 ksi	16 Ga. steel	55 ksi Min.	5’-0” MAX	Super, 16ga	(2) ¼-14 SD
573228-0-0[1] 573229-0-0[2]	1-150	18”	24	50 ksi	16 Ga. steel	55 ksi Min.	2’-6” MAX	Super, 16ga	(2) ¼-14 SD
573230-0-0[1] 573231-0-0[2]	1-165	18”	22	50 ksi	16 Ga. Steel	55 ksi Min	5’-0” MAX	Super, 16ga	(3) ¼-14 SD
573232-0-0[1] 573233-0-0[2]	1-105	24”	22	50 ksi	16 Ga. steel	55 ksi Min	5’-0” MAX	Super, 16ga	(3) ¼-14 SD
2754083[1] 2756417[2]	1-195	18”	24	50 ksi	16 Ga. Steel	55 ksi Min	5’-0” MAX	22Ga. Multispan	(4) ¼-14 SD
2756418[1] 2756419[2]	1-165	24”	22	50 ksi	16 Ga. Steel	55 ksi Min	5’-0” MAX	22Ga Multispan	(4) ¼-14 SD
2756420[1] 2756421[2]	1-120	18”	22	50 ksi	16 Ga. Steel	55 ksi Min	5’-0” MAX	Standard, 16ga	(2) ¼-14 SD

1. Optional Factory Mutual Research Approved faced glass fiber insulation may be placed between the panel and the substrate.
2. Optional U-Panel liner
3. Optional minimum 0.5” and maximum 12.5” ACFoam insulation or up to 15” glass fiber insulation.

Report No. : PR469312 Dated: February 7, 2025
Report No. : PR469495 Dated: July 9, 2026