



Design Specifications

Design #	Name	Weight / SF	Material Thickness	Width	Maximum Length	Alloy	Temper	Tensile Strength	Yield Strength
EM 7800	Little Earth 1	4 lbs. /sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7801	Little Earth 2	4.7 lbs. /sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7802	Exchange 1	2.4 lbs. /sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7803	Exchange 2	2.6 lbs. /sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7804	Metal Valley	3.3 lbs. /sf	0.08"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7805	Plaza	2.5 lbs. /sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7806	Roman Fold 1	3.3 lbs. /sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7807	Roman Fold 2	3.9 lbs. /sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7808	Pacific Sail	2.3 lbs. /sf	0.11"	8"	20'	6063	T5	22,000 psi	16,000 psi
EM 7809	Ashton	3.1 lbs. /sf	0.10"	8"	20'	6063	T5	22,000 psi	16,000 psi

Design Definitions Key

Temper: refers to the combination of hardness and strength imparted to the 6063 aluminum alloy by mechanical or thermal treatments.

T5 Temper: produces the tensile strength of 22,000 psi and the yield strength of 16,000 psi.

Tensile Strength: is defined as the maximum stress that a material can withstand while being stretched or pulled before failing or breaking.

Yield Strength: is the stress at which a specified amount of permanent deformation of a material occurs.