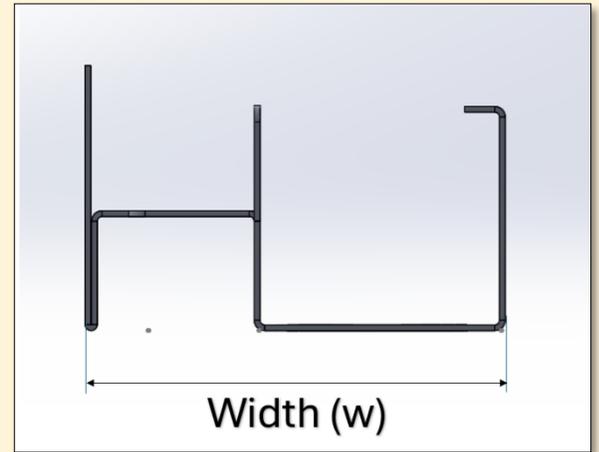


## CT STUD

CT (Channel-Type) Studs are cold-formed steel components specifically developed for shaft wall and corridor wall construction. Made from high-strength galvanized steel, they provide excellent dimensional precision and are designed to accommodate interlocking gypsum panels for use in fire-rated vertical assemblies such as stairwells, elevator shafts, and service chases. Available in 8', 9', and 10' lengths, these studs meet key industry standards including ASTM C645 for non-load-bearing framing, ASTM A653 for galvanized steel sheet, ASTM A1003 for cold-formed steel framing, and ASTM A924 for coating requirements. In fire-resistive assemblies, CT studs are incorporated into systems tested in accordance with ASTM E119 or CAN/ULC-S101. With G40 galvanized coating options, they offer long-term corrosion protection and are manufactured to ensure efficient installation and reliable performance in commercial and institutional projects.



## INSTALLATION NOTE

CT (Channel-Type) Studs are designed for use in shaft wall and corridor wall systems where access is limited to one side. Installation must follow the relevant UL/ULC fire-rated assembly details and be in accordance with ASTM C754 standards. Begin by securing the J-track or slotted track to the floor and ceiling. CT Studs are inserted vertically into the track, with their flanges aligned to receive shaft liner panels. Panels are slid into place from the accessible side, interlocking with adjacent panels. Face layers and C-H studs are installed per assembly requirements. CT Studs should be plumb, spaced as specified (typically 24" o.c.), and adequately braced. Avoid flange distortion to maintain proper fit and performance. All installation must comply with the National Building Code of Canada, the BC Building Code, and project-specific fire-resistance ratings.

## Fasteners

Fasteners used for CT stud installation must comply with applicable standards, including ASTM C1002 for drywall screws and ASTM C954 for self-drilling screws used with steel framing. All fasteners should be corrosion-resistant and meet the coating requirements outlined in ASTM C645 and ASTM A653, especially in areas exposed to moisture. Screws must penetrate the base metal by at least 3/8 inch (10 mm) or as required by the approved fire-rated assembly. For attaching face layers to CT or C-H studs, use type S or S-12 drywall screws, spaced according to the tested system specifications. Care should be taken not to overtighten fasteners, as this may distort the flange and affect panel fit.

## Standard and Specification

Material and Coating manufactured to meet the requirement of ASTM A653/A653 -23

S.NO	Width (w)		Length	
1	inch	mm	inch	mm
	2.5	63.5	96	2438.4
2	2.5	63.5	108	2743.2
3	2.5	63.5	120	3048.0

Standard		Minimum base Steel Thickness		Base Steel Design Thickness	
Gauge	(mil)	inch	mm	inch	mm
25	18	0.455	0.0179	0.478	0.018
20	33	0.836	0.0329	0.879	0.0346