BAILEY HEMMED STUD

SUBJECT: When **BOTH** Sound and Structure Matter

A custom proprietary hemmed 25ga stud is available by specific order. The custom hemmed stud product provides superior limiting height values (see below) and contributes to improved sound control.

Composite Limiting Height Tables of the Bailey Custom Hemmed Drywall Stud System

STUD DESIGNATION	Spacing o.c. (in.)	5 PSF			10 PSF		
		L/120	L/240	L/360	L/120	L/240	L/360
362S125-HEMMED25	12	20'-5"f	17'-11"	15'-10"	14'-5"f	14'-3"	12'-6"
	16	17'-8"f	16'-4"	14'-4"	12'-6"f	12'-6"f	11'-3"
	24	14'-5"f	14'-3"	12'-6"	10'-3"f	10'-3"f	9'-6"
600S125-HEMMED25	12	25'-11"f	23'-10"	20'-10"	18'-4"f	18'-4"f	16'-6"
	16	22'-6"f	21'-8"	18'-11"	15'-11"f	15'-11"f	14'-10"
	24	18'-4"f	18'-4"f	16'-6"	13'-0"f	13'-0"f	12'-8"

Shown values above are as tested and certified by accredited laboratory in accordance with ICC-ES-AC86.

- The above tables were engineered by Prof. R. M. Schuster, University of Waterloo, in accordance with the Canadian Standards Association (CSA) Standard CAN/CSA-S136-01, North American Specification for the Design of Cold-Formed Steel Structural Members (including the 2004 Supplement) and the National Building Code of Canada.
- The above calculations were based on tests of the complete wall assembly.
- Consideration was given to the composite action between the gypsum boards and the steel studs.
- Strength values were based on flexure and end bearing.
- Stud heights under DEFLC=120, 240, 360 are the lesser of the strength and deflection values.
- (f) indicates that flexure controls.

- *The structural testing report and section properties are available upon request from Bailey Metal Products Limited.*
- *Sound tests performed at National Research Council (NRC). Tests reports available upon request from Bailey Metal Products Limited or acoustical consultant.*
- *Screw pullout testing performed at STAR (Structural Testing and Research Inc. - Report #8191403A), to the requirements of ASTM C645-13. Tests reports available upon request from Bailey Metal Products Limited.*
- *Screw penetration testing performed at STAR (Structural Testing and Research Inc. – Report #8191403B), to the requirements of ASTM C645-13. Test reports available upon request from Bailey Metal Products Limited.*

Please contact Bailey Metal Products Limited for Availability & Pricing