PRODUCT CODE: **FC-7830**
PUBLICATION DATE: **JUNE 2022**

SUBMITTAL SHEET

7/8” 30 Mils Furring Channel

PRODUCT INFORMATION

Description	**7/8” 30 Mils Furring Channel**
Code	**FC-7830**
Category	**7/8” Furring Channel 20 Gauge (50ksi)**

GEOMETRIC PROPERTIES

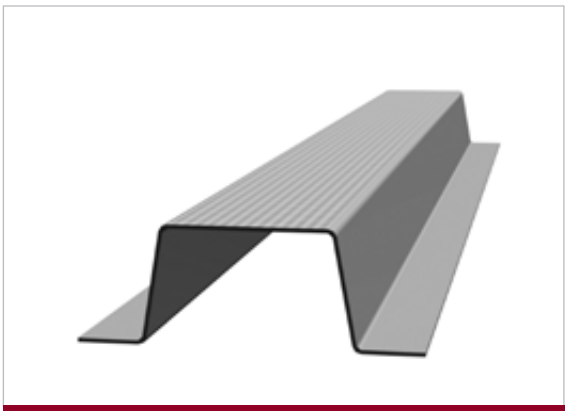
Width	**7/8”**
Weight (lb/ft)	**0.4**
Gauge	**20 GA**
Coating	**G40**
Design Thickness	**0.0312**
Thickness - Mils	**30**
Yeild Strength Fy (ksi)	**50**

GROSS SECTION PROPERTIES

Cross Section Area **A**	**0.117**
Moment of Inertia **Ixx**	**0.014**
Section Modulus **Sxx**	**0.035**
Radius of gyration **Rxx**	**0.349**
Moment of inertia **Iyy**	**0.056**
Radius of gyration **Ryy**	**0.691**

EFFECTIVE SECTION PROPERTIES

Moment of inertia for deflection **Ixx**	**0.014**
Section modulus **Sxx**	**0.035**
Allowable moment based on distortional buckling **Ma**	**80.19**
Allowable strong axis shear away from punchouts **Vag**	



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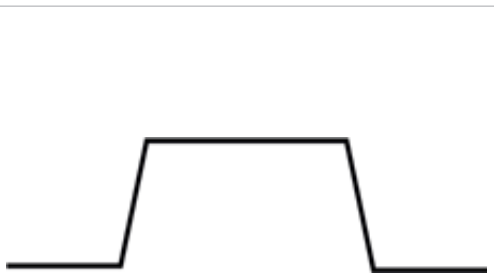

FC-7830 PROFILE

SUSTAINABILITY & LEED

LEED credit MR 2.1 (1 point)
LEED credit MR 2.2 (1 point)
LEED credit MR 4.1 (1 point)
LEED credit MR 4.2 (1 point)
LEED credit MR 5.1 (1 point)
LEED credit MR 5.2 (1 point)
ISO14001:2015 certified company
Total recycled content 32.7%
(Content: post consumer 25.5%, pre consumer 6.8%)

Suitable for UL Assemblies U419, U465 & U411,

ASTM INFORMATION

All products manufactured by STUDCO BUILDING SYSTEMS are certified to meet or exceed all applicable American Society for Testing & Materials standards as listed below. STUDCO BUILDING SYSTEMS is also accredited to ISO9001- an internationally recognized standard.

Material Specifications (ASTM)

• All STUDCO accessories including utility angle, furring channel, CRC channel and all related products conform to A1003 - A1003 is the standard specification for steel sheet, Carbon, Metallic - and Nonmetallic - Coated for Cold Formed Framing Members.

Coating Specifications (ASTM)

• All STUDCO accessories including utility angle, furring channel, CRC channel and all related products conform to C645 - C645 is the Standard specification for Nonstructural Steel Framing Members.

Product Specifications (ASTM)

• All STUDCO accessories including utility angle, furring channel, CRC channel and all related products conform to C645/C1063 - C645 is the Standard specification for Nonstructural Steel Framing Members.

All Drywall Nonstructural products have a G-40 minimum weight conforming to ASTM Specification A1003 or have a protective coating with the industry standard requirements of ASTM C645.

C1063 Standard specification for installation of lathing and furring to receive interior and exterior Portland cement-based plaster.

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