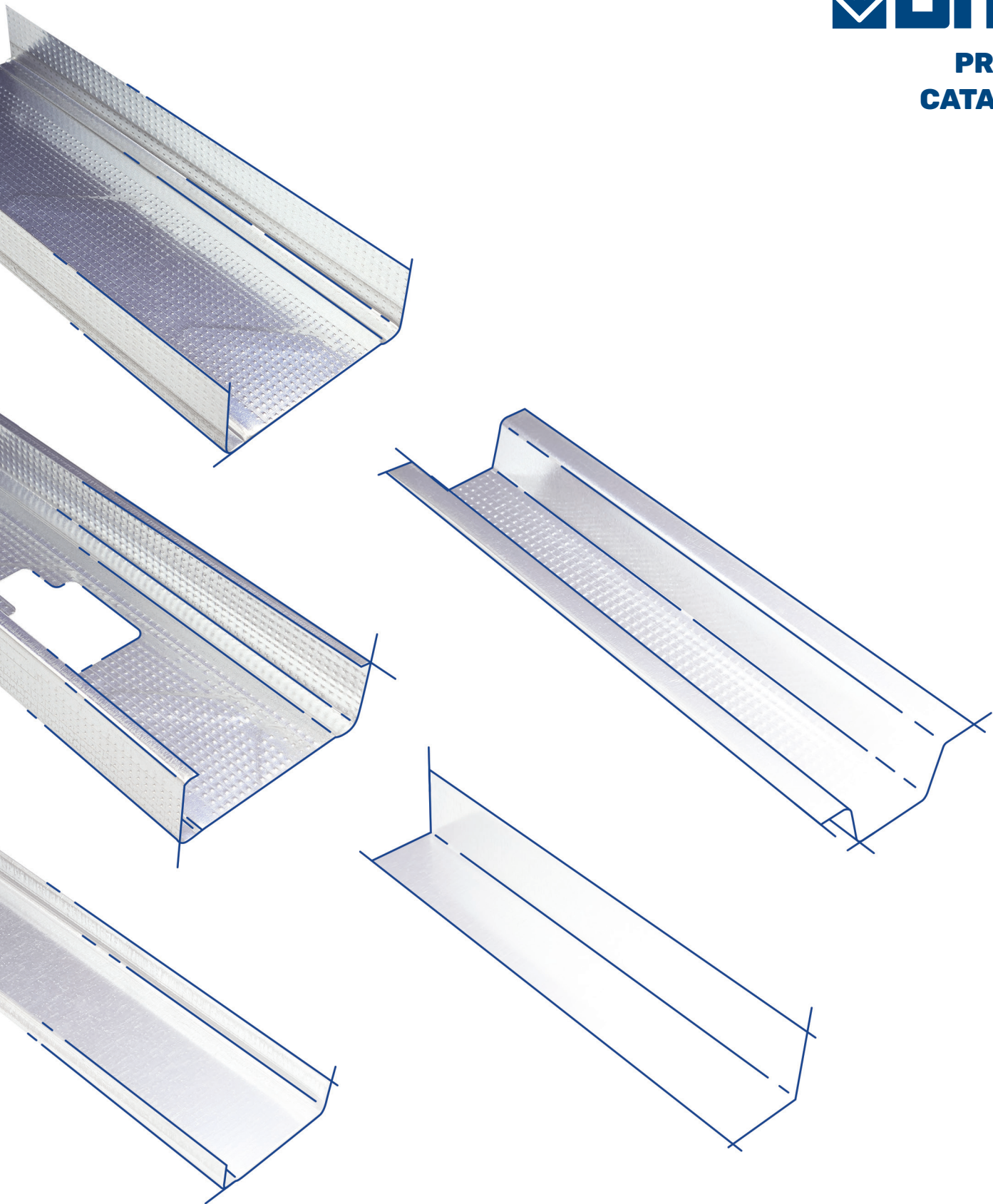




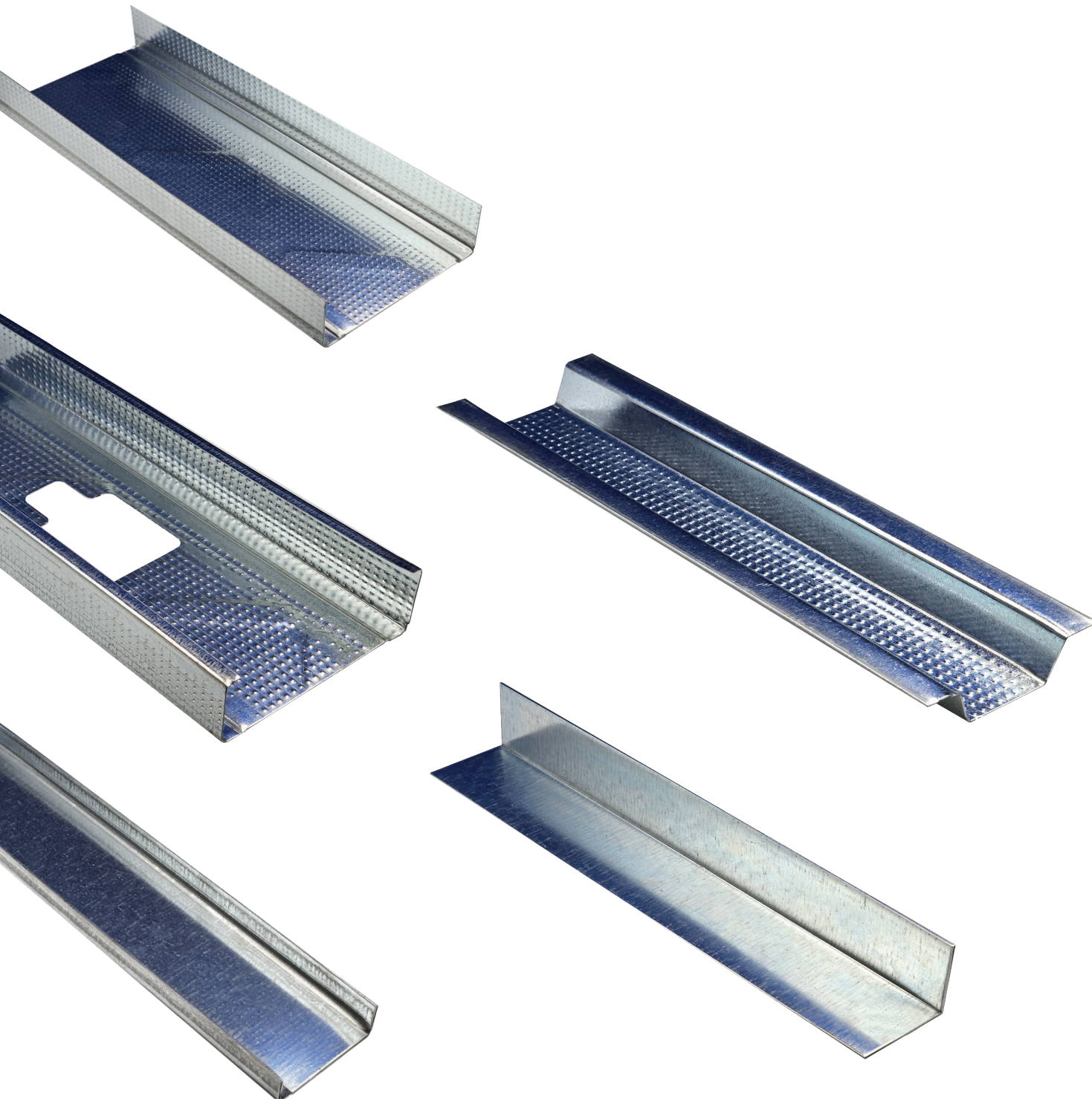
**PRODUCT
CATALOGUE**



UMS METAL BUILDING SYSTEMS USA LLC

www.umsmetal.com

Cold-Formed Non-Structural Steel Members



ABOUT US

UMS Metal, founded in 1999, quickly established itself as a prominent player in the sheet trading industry. With a strong focus on quality and principled business practices, UMS Metal became well-known for its high sales volume. In 2005, UMS Metal made a strategic investment by establishing a modern steel service center, positioning itself as a leader in its field.

The steel service center, equipped with advanced machinery including cut-to-length, trapezoid, and slitting lines, enables UMS Metal to efficiently meet the specific demands for galvanized sheets. UMS Metal takes pride in its commitment to quality, evident by obtaining the quality management certificate.

Driven by determination and an unwavering commitment, UMS Metal continues its production activities with modern and efficient equipment. With an impressive annual production capacity of 120 thousand tonnes, UMS Metal specializes in galvanized steels and non-alloy structural steels suitable for cold forming.

Through continuous growth and investment, UMS Metal has become a leading producer in the industry. Their production lines, introduced in 2013, have significantly expanded their capacity to manufacture plaster profiles, gypsum board profiles, external wall profiles, and accessories. UMS Metal takes pride in being recognized as a company with the fastest production and the highest production volume in their field.

UMS Metal is dedicated to customer satisfaction, providing exceptional after-sales services, and maintaining a reputation for reliability. The company's commitment to innovation, technology, and continuous development sets them apart in the industry, enabling them to deliver a diverse range of products globally.

As a global manufacturer, UMS Metal strives to meet the evolving needs of customers worldwide and remains committed to delivering high-quality products on a global scale.





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- UMS Metal Drywall Track
- UMS Metal Drywall Stud

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GENERAL PRODUCT TYPE INFORMATION

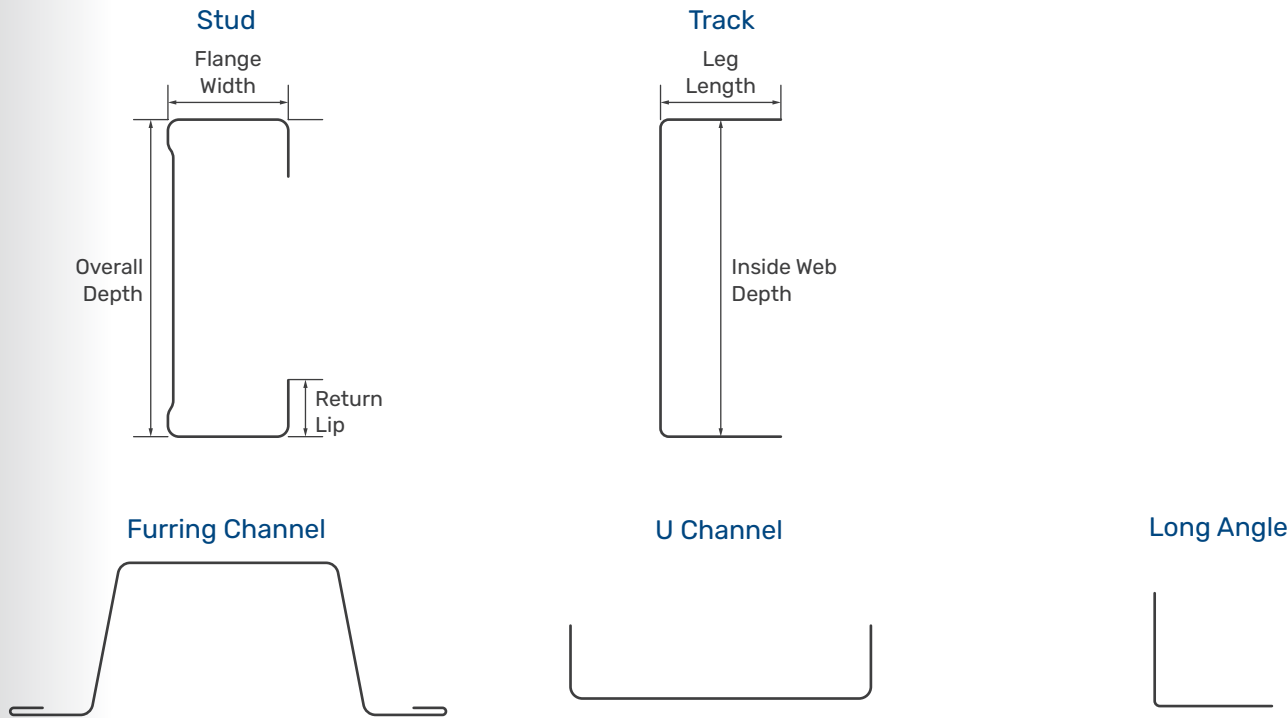
The section designator defines the cold-formed steel framing member dimensions.

362	S	125	18
Web Depth	Product Style	Flange Width	Material Thickness
	S: Stud		
	T: Track		
362=3.625"	F: Furring	125=1.25"	18 Mills
	L: Long Angle		
	U: U Channel		

Minimum base steel thickness is 95 % of Design Thickness.

UMS Metal nonstructural framing products have a G40 coating or a minimum standard coating that complies with the requirements of IBC 2021 and ASTM A1003/ A1003M. G60 and G90 coatings are available upon request.

General Product Information





CODE REFERENCES

The analysis performed and tables included satisfy the methods and requirements of the following:

- **AISI S100-2016** North American Specification for Design of Cold Formed Steel Structural Members
- **ASTM C645-18** Standard Specification for Nonstructural Steel Framing Members.
- **AISI S220-20** North American Standard for Cold-Formed Steel Framing- Nonstructural Members

UMS Metal nonstructural framing building products are manufactured to meet or exceed all applicable standards including:

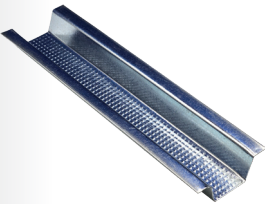
- **ASTM A1003** Standard Specification for Steel Sheet, Carbon, Metallic and Nonmetallic Coated for Cold Formed Framing Members.
- **ASTM A653** Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- **ASTM C754** Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products.

Section Properties Tables - General Notes

1. Calculated properties are based on AISI S100-16, North American Specification for Design of Cold-Formed Steel Structural Members
2. The centerline bend radius is based on the inside corner radius shown in the thickness chart.
3. For deflection calculation use of the effective Moment of Inertia shall be used.
4. Allowable moments include cold work of forming per Section A7.2 of AISI S100-16.
5. Example: 162S125-18
 - 162 designates the member web depth in 100ths of an inch, 162 = 1.61 in.
 - S designates the type of member. Types include:
 1. S: Stud
 2. T: Track
 3. F: Furring Channel
 4. U: U Channel
 5. L: Angle
6. 125 designates the member flange width in 100ths of an inch. For studs, 125 = 1.25 in.
7. 18 designates the steel thickness in mils (1/1000 inch.). 0.018 in. = 18 mil.
8. Minimum thickness represent 95% of the design thickness. This is the minimum acceptable thickness delivered to the jobsite based on section A2.4 of the AISI S100-16.
9. Allowable moment is taken as the lowest value based on local or distortional buckling. For distortional buckling, K_{ϕ} = 0 and β = 1.0
10. Where noted, member height-to-thickness exceeds 200, web stiffeners required at supports.

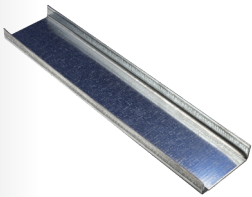


UMS METAL FURRING CHANNEL



Section Designation	Design Thickness (in)	Minimum Base Steel Thickness (in)	Fy (ksi)	Weight (lb/ft)	Gross Properties		Effective Properties	
					Area (in²)	I _{xe} (in⁴)	Moment (in-k)	
087F125-18	0.0188	0.0179	33	0,252	0.074	0.006	0.375	
087F125-30	0.0312	0.0296	33	0,416	0.119	0.014	0.630	
087F125-33	0.0346	0.0329	33	0,463	0.133	0.017	0.776	
087F125-43	0.0452	0.0429	33	0,603	0.172	0.022	1.008	
087F125-54	0.0566	0.0538	33	0,756	0.215	0.025	1.202	

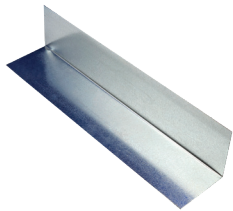
UMS METAL U CHANNEL



	Design Thickness (in)	Minimum Base Steel Thickness (in)	Fy (ksi)	Weight (lb/ft)	Gross Properties		Effective Properties	
					Area (in²)	I _{xe} (in⁴)	Moment (in-k)	
075U075-54	0.0566	0.0538	33	0,285	0.089	0.0070	0.4615	
150U150-54	0.0566	0.0538	33	0,422	0.132	0.040	1.222	
200U200-54	0.0566	0.0538	33	0,516	0.160	0.082	1.511	



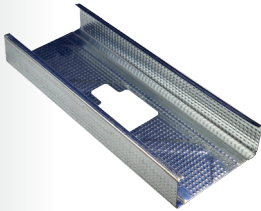
UMS METAL
LONG ANGLE



Section Designation	Equal Leg Depth (in)	Design Thickness (in)	Minimum Base Steel Thickness (in)	Fy (ksi)	Gross Properties		Effective Properties	
					Weight (lb/ft)	Area (in²)	I _{xx} (in⁴)	Moment (in-k)
075L075-18	0.75	0.0188	0.0179	33	0.089	0.028	0.00002	0.026
075L075-30	0.75	0.0312	0.0296	33	0.145	0.045	0.0002	0.079
075L075-33	0.75	0.0346	0.0329	33	0.160	0.05	0.0003	0.098
075L075-43	0.75	0.0452	0.0429	33	0.205	0.065	0.0009	0.131
075L075-54	0.75	0.0566	0.0538	33	0.254	0.08	0.0020	0.161
100L100-18	1.00	0.0188	0.0179	33	0.118	0.037	0.00004	0.030
100L100-30	1.00	0.0312	0.0296	33	0.192	0.061	0.0004	0.100
100L100-33	1.00	0.0346	0.0329	33	0.213	0.067	0.0006	0.128
100L100-43	1.00	0.0452	0.0429	33	0.274	0.087	0.0020	0.223
100L100-54	1.00	0.0566	0.0538	33	0.341	0.108	0.0050	0.293
150L150-18	1.50	0.0188	0.0179	33	0.180	0.056	0.0001	0.028
150L150-30	1.50	0.0312	0.0296	33	0.295	0.092	0.0012	0.126
150L150-33	1.50	0.0346	0.0329	33	0.328	0.102	0.0020	0.166
150L150-43	1.50	0.0452	0.0429	33	0.423	0.132	0.0066	0.316
150L150-54	1.50	0.0566	0.0538	33	0.528	0.164	0.0163	0.523
200L200-18	2.00	0.0188	0.0179	33	0.242	0.075	0.0003	0.031
200L200-30	2.00	0.0312	0.0296	33	0.399	0.123	0.0029	0.119
200L200-33	2.00	0.0346	0.0329	33	0.442	0.137	0.0047	0.189
200L200-43	2.00	0.0452	0.0429	33	0.572	0.178	0.0155	0.374
200L200-54	2.00	0.0566	0.0538	33	0.716	0.222	0.0365	0.646



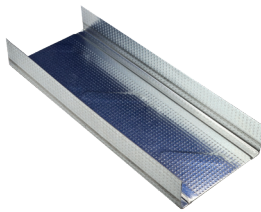
UMS METAL
DRYWALL STUD



Section Designation	Stud Depth (in)	Design Thickness (in)	Minimum Base Steel Thickness (in)	Fy (ksi)	Gross Properties		Effective Properties	
					Weight (lb/ft)	Area (in²)	I _{xx} (in⁴)	Moment (in-k)
162S125-18	1.625	0.0188	0.0179	33	0.267	0.081	0.034	0.67
162S125-30	1.625	0.0312	0.0296	33	0.432	0.132	0.060	1.19
162S125-33	1.625	0.0346	0.0329	33	0.477	0.145	0.066	1.37
250S125-18	2.500	0.0188	0.0179	33	0.322	0.097	0.091	1.03
250S125-30	2.500	0.0312	0.0296	33	0.524	0.159	0.159	2.09
250S125-33	2.500	0.0346	0.0329	33	0.578	0.176	0.175	2.4
350S125-18	3.500	0.0188	0.0179	33	0.382	0.115	0.203	1.42
350S125-30	3.500	0.0312	0.0296	33	0.623	0.190	0.346	2.96
350S125-33	3.500	0.0346	0.0329	33	0.689	0.210	0.382	3.45
362S125-18	3.625	0.0188	0.0179	33	0.389	0.118	0.221	1.48
362S125-30	3.625	0.0312	0.0296	33	0.635	0.194	0.376	3.08
362S125-33	3.625	0.0346	0.0329	33	0.702	0.215	0.415	3.59
400S125-18	4.000	0.0188	0.0179	33	0.413	0.125	0.281	1.64
400S125-30	4.000	0.0312	0.0296	33	0.674	0.206	0.474	3.44
400S125-33	4.000	0.0346	0.0329	33	0.746	0.228	0.524	4.01
600S125-30	6.000	0.0312	0.0296	33	0.873	0.268	1.223	5.39
600S125-33	6.000	0.0346	0.0329	33	0.966	0.297	1.378	6.32



UMS METAL
DRYWALL TRACK



drywall
track

Section Designation	Track Depth (in)	Design Thickness (in)	Minimum Base Steel Thickness (in)	Fy (ksi)	Weight (lb/ft)	Gross Properties		Effective Properties	
						Area (in²)	I _{xe} (in⁴)	Moment (in-k)	
162T125-18	1.625	0.0188	0.0179	33	0,252	0.078	0.019	0.37	
162T125-30	1.625	0.0312	0.0296	33	0,415	0.128	0.044	0.93	
162T125-33	1.625	0.0346	0.0329	33	0,460	0.142	0.054	1.08	
250T125-18	2.500	0.0188	0.0179	33	0,307	0.094	0.060	0.70	
250T125-30	2.500	0.0312	0.0296	33	0,506	0.155	0.133	1.68	
250T125-33	2.500	0.0346	0.0329	33	0,561	0.172	0.156	1.96	
350T125-18	3.500	0.0188	0.0179	33	0,367	0.113	0.148	1.07	
350T125-30	3.500	0.0312	0.0296	33	0,605	0.186	0.311	2.75	
350T125-33	3.500	0.0346	0.0329	33	0,671	0.207	0.396	3.33	
362T125-18	3.625	0.0188	0.0179	33	0,374	0.116	0.162	1.12	
362T125-30	3.625	0.0312	0.0296	33	0,617	0.19	0.340	2.89	
362T125-33	3.625	0.0346	0.0329	33	0,684	0.211	0.396	3.33	
400T125-18	4.000	0.0188	0.0179	33	0,398	0.123	0.220	1.51	
400T125-30	4.000	0.0312	0.0296	33	0,656	0.201	0.438	3.30	
400T125-33	4.000	0.0346	0.0329	33	0,728	0.224	0.507	3.86	
600T125-30	6.000	0.0312	0.0296	33	0,855	0.263	1.236	5.45	
600T125-33	6.000	0.0346	0.0329	33	0,948	0.294	1.402	6.45	

CERTIFICATE OF COMPLIANCE



This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Certificate of Compliance

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Standards: ASTM C645-18 (2018)
Certificate number: WHI23-37729201

Organization: UMS Metal Building Systems USA LLC
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Chicago, IL 60131-3882
United States

Product: UMS - Metal Steel Profiles
Spec ID: 73743
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: August 31, 2023
Date of expiry: December 31, 2023
Issue status: 1

Authorized By: 
Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc.
545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA
Phone: 847-439-5667 Fax: 847-439-7320

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