

ICC-ES Evaluation Report

ESR-1723

Reissued May 2024

Revised December 2024

Subject to renewal May 2026

This report also contains:

- [City of LA Supplement](#)
- [CA Supplement](#)
- [FL Supplement w/ HVHZ](#)

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DIVISION: 05 00 00—METALS Section: 05 40 00—Cold-Formed Metal Framing	REPORT HOLDER: AEGIS METAL FRAMING, A DIVISION OF MITEK 	EVALUATION SUBJECT: ULTRA-SPAN® TRUSS SECTIONS	
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1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2024, 2021, 2018, 2015, and 2012 [International Building Code® \(IBC\)](#)
- 2024, 2021, 2018, 2015, and 2012 [International Residential Code® \(IRC\)](#)

Property evaluated:

- Structural

2.0 USES

Ultra-Span® Truss Sections are used as components of cold-formed steel truss assemblies. The sections may be used in structures regulated under the IRC, when an engineered design is submitted in accordance with IRC Section R301.1.3.

3.0 DESCRIPTION

Ultra-Span® Truss Sections are cold-formed from steel conforming to ASTM A653 SS Grade 50, Class 1. The steel has a galvanization coating designation of G60 standard, or G90 upon request, in accordance with ASTM A653. Design base-metal thicknesses (uncoated) are shown in [Table 1](#) and [Table 2](#). Truss chord sections are open shapes labeled USC and USD. Truss web sections are W- or C-shaped and are labeled USW and USWD. See [Figure 1](#) for chord section profiles and dimensions, and [Figure 2](#) for web section profiles and dimensions.

4.0 DESIGN AND INSTALLATION

4.1 General:

Truss design, assembly and installation must comply with AISI S100-16(2020) w/S2-20 and AISI S240-20 for the 2024 and 2021 IBC (AISI S100-16 and AISI S240-15 for the 2018 IBC; AISI S100-12 and AISI S214-12 for the 2015 IBC, and AISI S100-07 and AISI S214-07 with Supplement 2, dated 2008 for the 2012 IBC).

4.2 Chord Members:

Section properties for Ultra-Span® truss sections used as chord members are given in [Table 1](#). For chord sections subject to bending, the unbraced length of the compression flange must not exceed 24 inches (610 mm). For chord sections subject to axial compression, the unbraced length of the wider flange must not exceed 24 inches (610 mm). Spans for chord sections subjected to compression must not exceed 6 feet (1830 mm). In accordance with Section A1.2(c) of AISI S100-16(2020) w/S2-20 for the 2024 and 2021 IBC

(AISI S100-16 for the 2018 IBC, AISI S100-12 for the 2015 IBC, and Section A1.1(b) of AISI S100-07 for the 2012 IBC), chord members must be designed using a rational analysis with $\Phi = 0.8$ and $\Omega = 2.0$, as applicable. Chord members must be designed in accordance with the provisions of Appendix 1 and Sections D, E, F, G, and H of AISI S100-16(2020) w/S2-20 for point-symmetric sections.

4.3 Web Members:

Section properties for Ultra-Span[®] Truss Sections used as web members are given in [Table 2](#). Member capacity must be calculated in accordance with Sections D, E, F, G, and H of AISI S100-16(2020) w/S2-20, using the section properties given in [Table 2](#).

5.0 CONDITIONS OF USE:

The Ultra-Span[®] Truss Sections described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 Installation must comply with the approved plans and the applicable code.
- 5.2 For each project, complete plans and calculations verifying compliance with this evaluation report and applicable code must be submitted to the code official for approval. The plans and calculations must be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed.
- 5.3 Uncoated minimum steel thickness of cold-formed members, as delivered to the jobsite, must be at least 95 percent of the uncoated design thickness indicated in [Table 1](#) or [2](#), as applicable.
- 5.4 Recognition of complete cold-formed steel truss assemblies is outside the scope of this report. The design, quality assurance, installation, and testing of the cold-formed steel trusses must comply with AISI S240-20 for the 2024 and 2021 IBC (AISI S240-15 for the 2018 IBC and AISI S214-12 for the 2015 and 2012 IBC), and are subject to approval by the code official.
- 5.5 Ultra-Span[®] chord sections resisting axial compression have been evaluated for a span between truss panel points of up to 6 feet (1830 mm). Longer spans are outside the scope of this evaluation report.

6.0 EVIDENCE SUBMITTED

Data in accordance with the [ICC-ES Acceptance Criteria for Cold-formed Steel Framing Members \(AC46\)](#), dated October 2019 (editorially revised February 2024).

7.0 IDENTIFICATION

- 7.1 Ultra-Span[®] Truss Sections are identified by ink-jet labeling at 96 inches on center (2438 mm) with the manufacturer's name (Aegis), the minimum base steel thickness (uncoated) in decimal inches or mils, the minimum specified yield strength, the coating grade, the acronym "ICC-ES," and the evaluation report number (ESR-1723).
- 7.2 The report holder's contact information is the following:

AEGIS METAL FRAMING, A DIVISION OF MITEK
16023 SWINGLEY RIDGE ROAD
CHESTERFIELD, MISSOURI 63017
(314) 851-2200
www.aegismetalframing.com

TABLE 1—SECTION PROPERTIES FOR ULTRA-SPAN[®] TRUSS SECTIONS USED AS CHORD MEMBERS

MEMBER DESIGNATION	MIN T (in)	DESIGN T (in)	WT (lbs/ft)	GROSS SECTION PROPERTIES					EFFECTIVE PROPERTIES									TORSIONAL PROPERTIES					
									Positive Bending				Negative Bending										
				Area (in²)	I _x (in⁴)	r _x (in)	I _y (in⁴)	r _y (in)	I _x (in⁴)	I _y (in⁴)	S _x (in³)	S _y (in³)	I _x (in⁴)	I _y (in⁴)	S _x (in³)	S _y (in³)	A _e (in²)	x _o (in)	y _o (in)	J (in⁴)	C _w (in⁶)	r _o (in)	β
25USC 035 50	0.035	0.0368	0.76	0.2248	0.1944	0.9300	0.0531	0.4860	0.1786	0.0531	0.1251	0.0473	0.1944	0.0531	0.1291	0.0473	0.1896	0.0446	0.8143	0.000101	0.0657	1.3290	-0.6496
25USC 046 50	0.046	0.0484	0.99	0.2921	0.2500	0.9252	0.0676	0.4812	0.2438	0.0676	0.1648	0.0603	0.2500	0.0676	0.1658	0.0603	0.2655	0.0444	0.8146	0.000228	0.0811	1.3240	-0.6375
35USC 035 50	0.035	0.0368	1.01	0.2962	0.4766	1.2684	0.0787	0.5153	0.4496	0.0773	0.2308	0.0699	0.4496	0.0698	0.2175	0.0612	0.2610	0.0310	1.2519	0.000134	0.2084	1.8554	-2.3285
35USC 046 50	0.046	0.0484	1.31	0.3857	0.6171	1.2649	0.1008	0.5112	0.6142	0.1008	0.3054	0.0906	0.6114	0.0957	0.3019	0.0851	0.3681	0.0305	1.2562	0.000301	0.2608	1.8548	-2.3281
35USC 057 50	0.057	0.0600	1.61	0.4732	0.7517	1.2603	0.1217	0.5072	0.7517	0.1218	0.3725	0.1094	0.7517	0.1215	0.3725	0.1091	0.4722	0.0307	1.2601	0.000568	0.3066	1.8532	-2.3216
35USC 073 50	0.073	0.0768	2.03	0.5977	0.9474	1.2591	0.1501	0.5011	0.9474	0.1501	0.4672	0.1348	0.9474	0.1501	0.4672	0.1348	0.5977	0.0308	1.2712	0.001175	0.3648	1.8583	-2.3398
35USD 035 50	0.035	0.0368	1.21	0.3555	0.5990	1.2981	0.2352	0.8133	0.5226	0.2317	0.2666	0.1301	0.5492	0.2119	0.2501	0.1158	0.2902	0.1008	1.3018	0.000161	0.4689	2.0128	-2.6557
35USD 046 50	0.046	0.0484	1.58	0.4637	0.7772	1.2946	0.3037	0.8093	0.7278	0.3037	0.3556	0.1695	0.7482	0.2902	0.3470	0.1605	0.4098	0.0989	1.3006	0.000362	0.5922	2.0081	-2.6449
35USD 057 50	0.057	0.0600	1.94	0.5699	0.9486	1.2902	0.3697	0.8055	0.9153	0.3697	0.4407	0.2064	0.9350	0.3687	0.4372	0.2057	0.5162	0.0980	1.2987	0.000684	0.7031	2.0024	-2.6268
35 USD 073 50	0.073	0.0768	2.53	0.7453	1.2476	1.2938	0.5300	0.8432	1.2388	0.5300	0.5815	0.2810	1.2476	0.5300	0.5812	0.2810	0.6807	0.0891	1.2788	0.001465	1.0052	2.0070	-2.6785
35 USD 097 50	0.097	0.1021	3.30	0.9715	1.5926	1.2803	0.6779	0.8353	1.5926	0.6779	0.7426	0.3596	1.5926	0.6779	0.7426	0.3596	0.9315	0.0902	1.2715	0.003376	1.2068	1.9904	-2.6108
55USC 035 50	0.035	0.0368	1.28	0.3770	1.4615	1.9690	0.0792	0.4584	1.3802	0.0777	0.4568	0.0711	1.2976	0.0707	0.3890	0.0631	0.2495	-0.0683	1.8072	0.000170	0.4747	2.7125	-6.7329
55USC 046 50	0.046	0.0484	1.67	0.4912	1.8939	1.9636	0.1015	0.4545	1.8815	0.1015	0.6056	0.0923	1.8110	0.0965	0.5634	0.0871	0.3612	-0.0652	1.8192	0.000384	0.5940	2.7159	-6.7344
55USC 057 50	0.057	0.0600	2.05	0.6030	2.3077	1.9563	0.1225	0.4507	2.3077	0.1225	0.7411	0.1113	2.2736	0.1222	0.7215	0.1110	0.4719	-0.0620	1.8297	0.000724	0.6989	2.7170	-6.7226
55 USC 073 50	0.073	0.0768	2.59	0.7628	2.9140	1.9546	0.1509	0.4449	2.9140	0.1509	0.9333	0.1369	2.9140	0.1509	0.9333	0.1369	0.6231	-0.0565	1.8542	0.001500	0.8336	2.7312	-6.7715
55 USD 035 50	0.035	0.0368	1.48	0.4363	1.7854	2.0230	0.2355	0.7347	1.5779	0.2319	0.5161	0.1305	1.5410	0.2124	0.4374	0.1169	0.3021	-0.0505	1.9280	0.000197	1.0748	2.8900	-7.6465
55 USD 046 50	0.046	0.0484	1.94	0.5692	2.3176	2.0179	0.3041	0.7309	2.1815	0.3041	0.6883	0.1701	2.1552	0.2907	0.6323	0.1614	0.4419	-0.0479	1.9302	0.000445	1.3570	2.8869	-7.6130
55USD 057 50	0.057	0.0600	2.38	0.6997	2.8291	2.0109	0.3702	0.7274	2.7138	0.3702	0.8501	0.2070	2.7449	0.3691	0.8235	0.2063	0.5729	-0.0451	1.9307	0.000840	1.6116	2.8814	-7.5644
55USD 073 50	0.073	0.0768	3.10	0.9104	3.7099	2.0186	0.5306	0.7634	3.6372	0.5306	1.1177	0.5088	3.7083	0.5306	1.1228	0.2819	0.7884	-0.0570	1.9004	0.001790	2.3040	2.8762	-7.6034
55USD 097 50	0.097	0.1021	4.05	1.1904	4.8145	2.0111	0.6787	0.7551	4.8145	0.6787	1.4555	0.3603	4.8145	0.6787	1.4555	0.3603	1.1188	-0.0494	1.9079	0.004137	2.8060	2.8735	-7.5436
725USC 046 50	0.046	0.0484	1.96	0.5756	3.7967	2.5682	0.1019	0.4207	3.7634	0.1019	0.9326	0.0936	3.7486	0.0971	0.9192	0.0885	0.3508	-0.1010	2.3105	0.000449	0.9821	3.4816	-11.8347
725USC 057 50	0.057	0.0600	2.41	0.7080	4.6477	2.5621	0.1230	0.4168	4.6477	0.1230	1.1466	0.1128	4.6477	0.1227	1.1466	0.1125	0.4677	-0.0971	2.3301	0.000850	1.1609	3.4895	-11.8640
725USC 073 50	0.073	0.0768	3.04	0.8954	5.8260	2.5507	0.1510	0.4113	5.8256	0.1515	1.4390	0.1386	5.8256	0.1515	1.4390	0.1386	0.6234	-0.0897	2.3607	0.001760	1.3793	3.5009	-11.8923
725USD 046 50	0.046	0.0484	2.22	0.6539	4.5763	2.6455	0.3043	0.6821	4.3161	0.3043	1.0472	0.1707	4.4316	0.2909	1.0280	0.1622	0.4115	-0.1013	2.4888	0.000511	2.2617	3.6971	-13.4276
725USD 057 50	0.057	0.0600	2.74	0.8047	5.5990	2.6377	0.3700	0.6784	5.3538	0.3703	1.2926	0.2077	5.5417	0.3693	1.2981	0.2070	0.5341	-0.0974	2.4942	0.000966	2.6930	3.6943	-13.3774
725USD 073 50	0.073	0.0768	3.55	1.0444	7.3120	2.6460	0.5310	0.7129	7.0957	0.5309	1.6900	0.2829	7.3123	0.5309	1.7083	0.2829	0.7493	-0.1098	2.4542	0.002054	3.8511	3.6803	-13.3649
725USD 097 50	0.097	0.1021	4.65	1.3686	9.5140	2.6366	0.6790	0.7044	9.4983	0.6790	2.2190	0.3612	9.5137	0.6790	2.2200	0.3612	1.0713	-0.1003	2.4722	0.004756	4.7129	3.6837	-13.3187

For SI: 1 inch = 25.4 mm; 1 inch³ = 1.64x10⁴; 1 inch⁴ = 4.15x10⁵ mm⁴; 1 inch⁶ = 2.69x10⁸ mm⁶

TABLE 2—SECTION PROPERTIES FOR ULTRA-SPAN[®] TRUSS SECTIONS USED AS WEB MEMBERS

MEMBER DESIGNATION	MIN T (in)	DESIGN T (in)	WT (lbs/ft)	GROSS SECTION PROPERTIES					EFFECTIVE PROPERTIES								TORSIONAL PROPERTIES						
									Positive Bending				Negative Bending										
				Area (in ²)	I _x (in ⁴)	r _x (in)	I _y (in ⁴)	r _y (in)	I _x (in ⁴)	I _y (in ⁴)	S _x (in ³)	S _y (in ³)	I _x (in ⁴)	I _y (in ⁴)	S _x (in ³)	S _y (in ³)	A _e (in ²)	x _o (in)	y _o (in)	J (in ⁴)	C _w (in ⁶)	r _o (in)	β
15USW 035 50	0.035	0.0368	0.44	0.1301	0.0477	0.6054	0.0152	0.3420	0.0469	0.0152	0.0617	0.0255	0.0469	0.0152	0.0617	0.0255	0.1228	-0.7819	0.0000	0.000059	0.0076	1.0463	-2.3425
15USW 046 50	0.046	0.0484	0.57	0.1681	0.0604	0.5997	0.0190	0.3361	0.0604	0.0190	0.0806	0.0318	0.0604	0.0190	0.0806	0.0318	0.1681	-0.7663	0.0000	0.000131	0.0092	1.0295	-2.2248
25USW 035 50	0.035	0.0368	0.63	0.1853	0.1709	0.9602	0.0252	0.3688	0.1709	0.0252	0.1367	0.0418	0.1709	0.0229	0.1367	0.0407	0.1550	-0.8175	0.0000	0.000084	0.0414	1.3139	-3.5429
25USW 046 50	0.046	0.0484	0.82	0.2407	0.2191	0.9540	0.0318	0.3635	0.2191	0.0318	0.1753	0.0528	0.2191	0.0315	0.1753	0.0526	0.2179	-0.8039	0.0000	0.000188	0.0514	1.2994	-3.4239
25USW 057 50	0.057	0.0600	1.00	0.2927	0.2614	0.9451	0.0373	0.3570	0.2614	0.0373	0.2091	0.0618	0.2614	0.0373	0.2091	0.0618	0.2832	-0.7883	0.0000	0.000351	0.0590	1.2815	-3.2841
30USW 035 50	0.035	0.0368	0.72	0.2125	0.1968	0.9624	0.0231	0.3294	0.1715	0.0231	0.1055	0.0398	0.1681	0.0231	0.1043	0.0398	0.1786	0.0726	0.0000	0.000096	0.0322	1.0201	0.1022
30USW 046 50	0.046	0.0484	0.94	0.2759	0.2502	0.9522	0.0292	0.3255	0.2368	0.0292	0.1506	0.0505	0.2329	0.0292	0.1497	0.0505	0.2540	0.0679	0.0000	0.000215	0.0400	1.0089	0.1145
30USW 057 50	0.057	0.0600	1.15	0.3377	0.2996	0.9419	0.0349	0.3216	0.2981	0.0349	0.1937	0.0604	0.2966	0.0349	0.1940	0.0604	0.3318	0.0633	0.0000	0.000405	0.0469	0.9976	0.1271
25USWD 035 50	0.035	0.0368	0.80	0.2359	0.2476	1.0245	0.0913	0.6221	0.2292	0.0913	0.1736	0.0915	0.2292	0.0817	0.1736	0.0877	0.1762	-1.4654	0.0000	0.000106	0.1464	1.8931	-10.2798
362USWD 035 50	0.035	0.0368	0.94	0.2773	0.5809	1.4474	0.1043	0.6134	0.5392	0.1043	0.2833	0.0958	0.5392	0.0845	0.2833	0.0889	0.1797	-1.3023	0.0000	0.000125	0.2976	2.0414	-10.1802
362USWD 046 50	0.046	0.0484	1.23	0.3617	0.7515	1.4413	0.1336	0.6078	0.7257	0.1336	0.3901	0.1227	0.7257	0.1196	0.3901	0.1180	0.2689	-1.2882	0.0000	0.000282	0.3770	2.0264	-9.9865
362USWD 057 50	0.057	0.0600	1.51	0.4440	0.9137	1.4345	0.1607	0.6016	0.9055	0.1607	0.4958	0.1474	0.9055	0.1542	0.4958	0.1453	0.3716	-1.2733	0.0000	0.000533	0.4480	2.0103	-9.7820
362USWD 073 50	0.073	0.0768	1.89	0.5558	1.1225	1.4211	0.1934	0.5899	1.1225	0.1934	0.6193	0.1770	1.1225	0.1934	0.6193	0.1770	0.5181	-1.2473	0.0000	0.001093	0.5276	1.9807	-9.4201
60USWD 035 50	0.035	0.0368	1.24	0.3658	1.9027	2.2807	0.1231	0.5800	1.7034	0.1226	0.5262	0.1011	1.7034	0.0869	0.5262	0.0904	0.1830	-1.0658	0.0000	0.000165	0.8742	2.5834	-12.3166
60USWD 046 50	0.046	0.0484	1.62	0.4767	2.4579	2.2708	0.1565	0.5729	2.3734	0.1565	0.7741	0.1290	2.3734	0.1247	0.7741	0.1198	0.2755	-1.0507	0.0000	0.000372	1.1034	2.5668	-12.0867
60USWD 057 50	0.057	0.0600	1.99	0.5865	3.0016	2.2623	0.1882	0.5665	2.9706	0.1882	0.9834	0.1552	2.9706	0.1636	0.9834	0.1483	0.3845	-1.0368	0.0000	0.000704	1.3184	2.5522	-11.8811
60USWD 073 50	0.073	0.0768	2.53	0.7445	3.7760	2.2522	0.2322	0.5585	3.7760	0.2322	1.2587	0.1916	3.7760	0.2190	1.2587	0.1916	0.5465	-1.0185	0.0000	0.001464	1.6114	2.5341	-11.6210

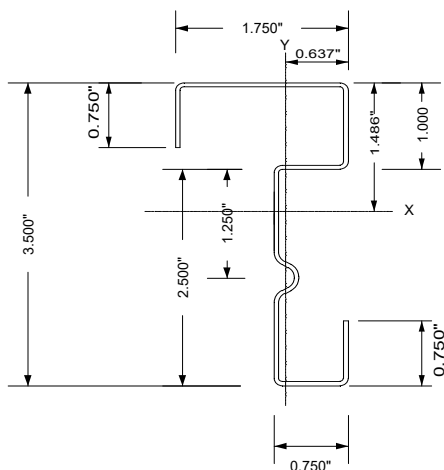
For SI: 1 inch = 25.4 mm; 1 inch³ = 1.64x10⁴; 1 inch⁴ = 4.15x10⁵ mm⁴; 1 inch⁶ = 2.69x10⁸ mm⁶

SYMBOLSI_x = Strong axis moment of inertiar_x = Strong axis radius of gyrationI_y = Weak axis moment of inertiar_y = Weak axis radius of gyrationS_x = Strong axis section modulusS_y = Weak axis section modulusA_e = Effective areax_o = Distance from shear center to the centroid along the principal X-axisy_o = Distance from shear center to mid-plane of web

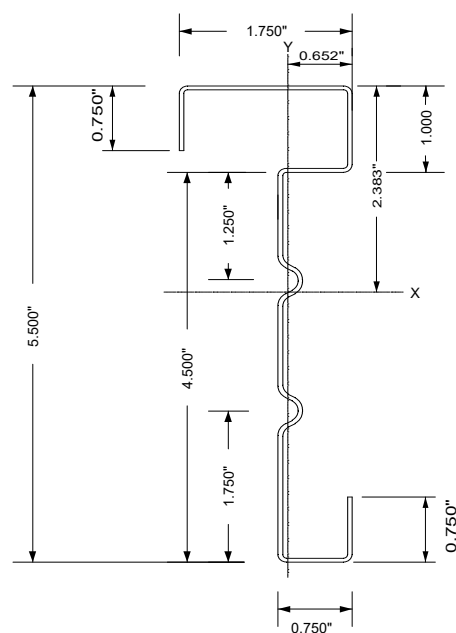
J = St. Venant torsion constant

C_w = Torsional warping constantr_o = Torsional radii of gyration

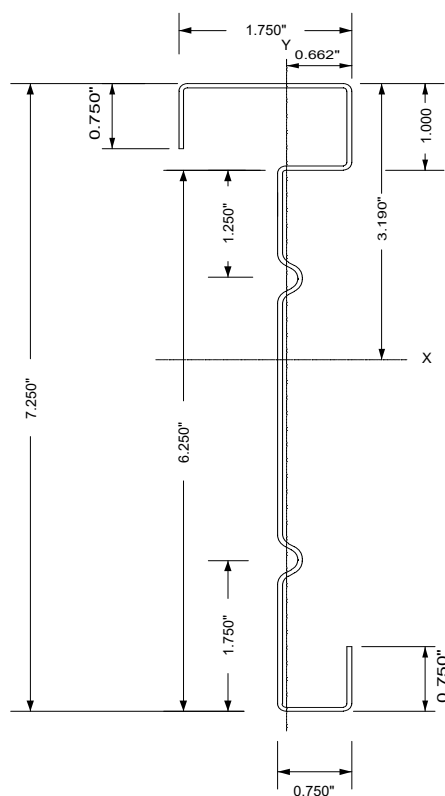
β = Torsional flexural constant



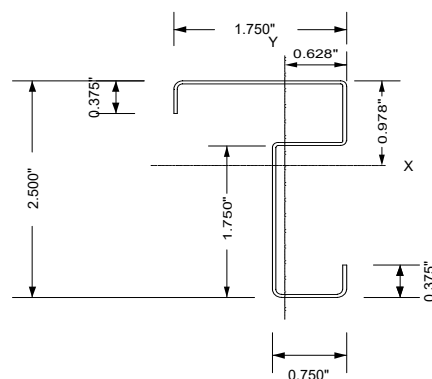
35USC035 50 - 3.5" x 1.75" 35 mil 50 ksi
 35USC046 50 - 3.5" x 1.75" 46 mil 50 ksi
 35USC057 50 - 3.5" x 1.75" 57 mil 50 ksi
 35USC073 50 - 3.5" x 1.75" 73 mil 50 ksi



55USC035 50 - 5.5" x 1.75" 35 mil 50 ksi
 55USC046 50 - 5.5" x 1.75" 46 mil 50 ksi
 55USC057 50 - 5.5" x 1.75" 57 mil 50 ksi
 55USC073 50 - 5.5" x 1.75" 73 mil 50 ksi

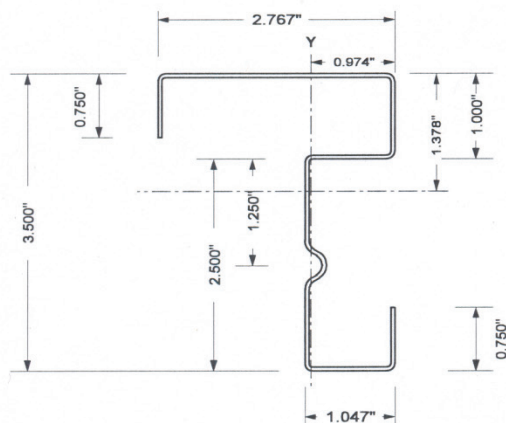


725USC046 50 - 7.25" x 1.75" 46 mil 50 ksi
 725USC057 50 - 7.25" x 1.75" 57 mil 50 ksi
 725USC073 50 - 7.25" x 1.75" 73 mil 50 ksi

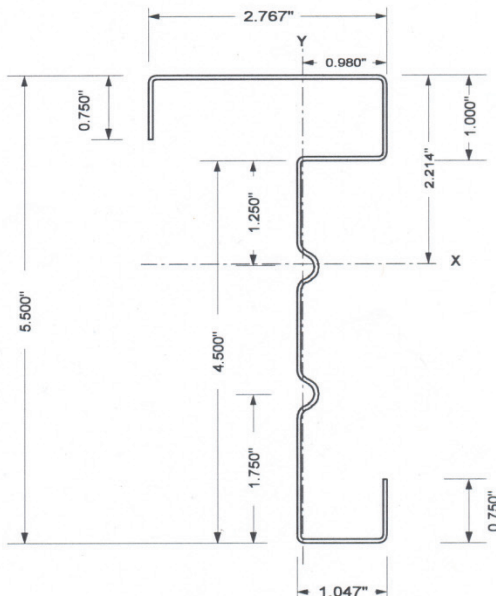


25USC035 50 - 2.5" x 1.75" 35 mil 50 ksi
 25USC046 50 - 2.5" x 1.75" 46 mil 50 ksi

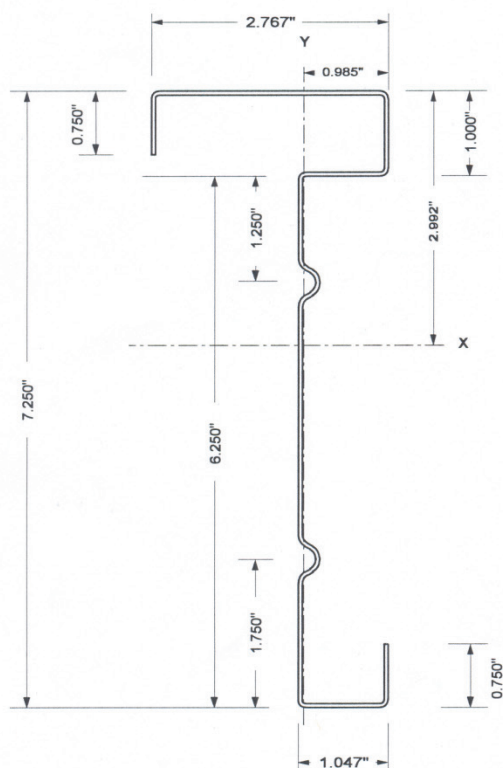
FIGURE 1—ULTRA-SPAN® TRUSS CHORD SECTIONS



35USD035 50 - 3.5" x 2.767" 35 mil 50 ksi
 35USD046 50 - 3.5" x 2.767" 46 mil 50 ksi
 35USD057 50 - 3.5" x 2.767" 57 mil 50 ksi

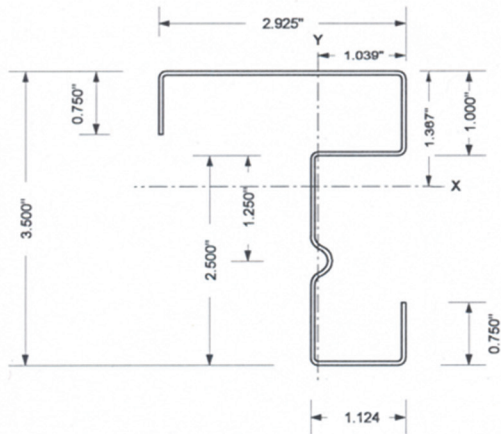


55USD035 50 - 5.5" x 2.767" 35 mil 50 ksi
 55USD046 50 - 5.5" x 2.767" 46 mil 50 ksi
 55USD057 50 - 5.5" x 2.767" 57 mil 50 ksi

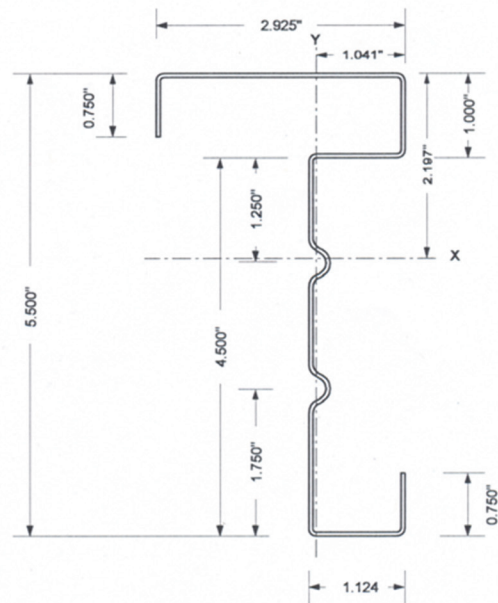


725USD046 50 - 7.25" x 2.767" 46 mil 50 ksi
 725USD057 50 - 7.25" x 2.767" 57 mil 50 ksi

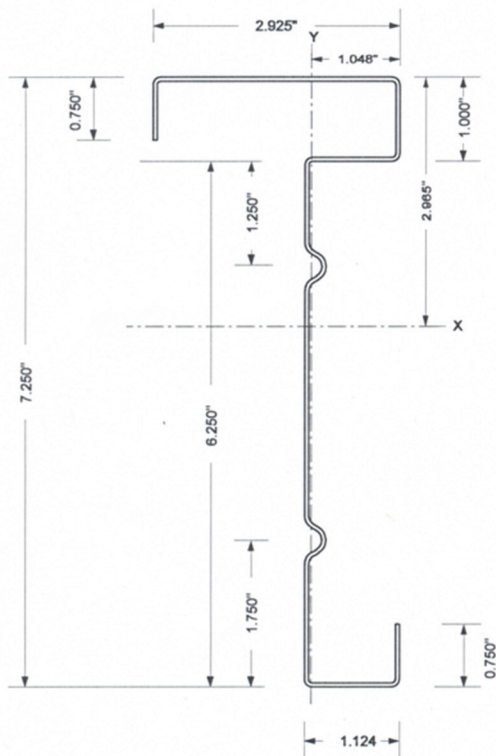
FIGURE 1—ULTRA-SPAN[®] TRUSS CHORD SECTIONS (Continued)



35USD073 50 - 3.5" x 2.925" 73 mil 50 ksi
35USD097 50 - 3.5" x 2.925" 97 mil 50 ksi

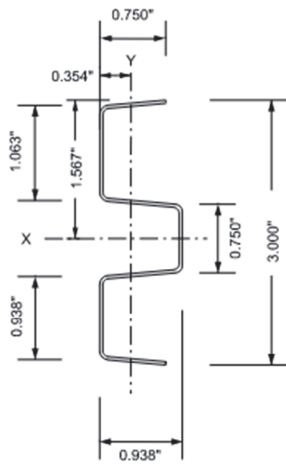


55USD073 50 - 5.5" x 2.925" 73 mil 50 ksi
55USD097 50 - 5.5" x 2.925" 97 mil 50 ksi

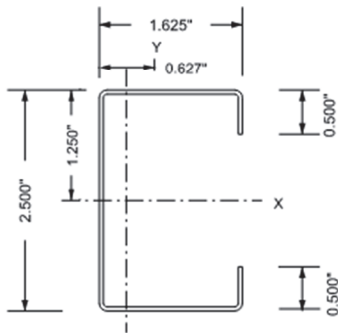


725USD073 50 - 7.25" x 2.925" 73 mil 50 ksi
725USD097 50 - 7.25" x 2.925" 97 mil 50 ksi

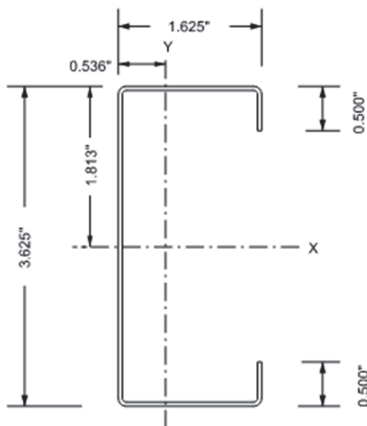
FIGURE 1—ULTRA-SPAN[®] TRUSS CHORD SECTIONS (Continued)



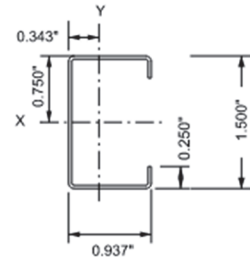
30USW035 50 - 3.0" x 0.938" 35 mil 50 ksi
 30USW046 50 - 3.0" x 0.938" 46 mil 50 ksi



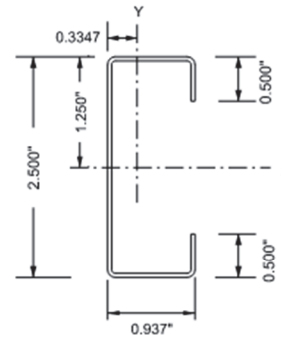
25USW035 50 - 2.5" x 1.625" 35 mil 50 ksi



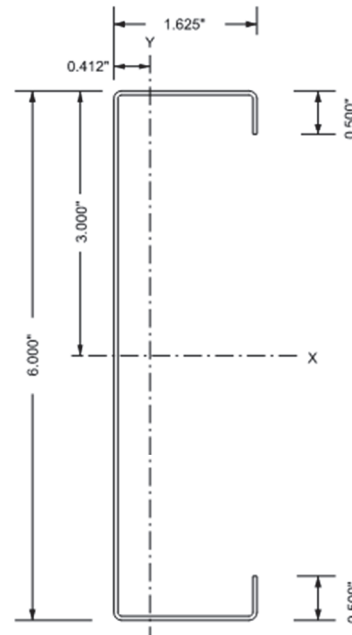
362USWD035 50 - 3.625" x 1.625" 35 mil 50 ksi
 362USWD046 50 - 3.625" x 1.625" 46 mil 50 ksi
 362USWD057 50 - 3.625" x 1.625" 57 mil 50 ksi
 362USWD073 50 - 3.625" x 1.625" 73 mil 50 ksi



15USW035 50 - 1.5" x 0.937" 35 mil 50 ksi
 15USW046 50 - 1.5" x 0.937" 35 mil 50 ksi



25USW035 50 - 2.5" x 1.625" 35 mil 50 ksi
 25USW046 50 - 2.5" x 1.625" 46 mil 50 ksi
 25USW057 50 - 2.5" x 1.625" 57 mil 50 ksi



60USWD035 50 - 6.0" x 1.625" 35 mil 50 ksi
 60USWD046 50 - 6.0" x 1.625" 46 mil 50 ksi
 60USWD057 50 - 6.0" x 1.625" 57 mil 50 ksi
 60USWD073 50 - 6.0" x 1.625" 73 mil 50 ksi

FIGURE 2—ULTRA-SPAN[®] TRUSS WEB SECTIONS

ICC-ES Evaluation Report

ESR-1723 City of LA Supplement

Reissued May 2024

Revised December 2024

This report is subject to renewal May 2026.

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A Subsidiary of the International Code Council®

DIVISION: 05 00 00—METALS

Section: 05 40 00—Cold-Formed Metal Framing

REPORT HOLDER:

AEGIS METAL FRAMING, A DIVISION OF MITEK

EVALUATION SUBJECT:

ULTRA-SPAN® TRUSS SECTIONS

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that the Ultra-Span® Truss Sections, described in ICC-ES evaluation report [ESR-1723](#), have also been evaluated for compliance with the codes noted below as adopted by the Los Angeles Department of Building and Safety (LADBS).

Applicable code editions:

- 2023 City of Los Angeles Building Code ([LABC](#))
- 2023 City of Los Angeles Residential Code ([LARC](#))

2.0 CONCLUSIONS

The Ultra-Span® Truss Sections, described in Sections 2.0 through 7.0 of the evaluation report [ESR-1723](#), comply with LABC Chapter 22, and LARC, and are subjected to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The Ultra-Span® Truss Sections, described in this evaluation report must comply with all of the following conditions:

- All applicable sections in the evaluation report [ESR-1723](#).
- The design, installation, conditions of use and identification are in accordance with the 2021 *International Building Code*® (2021 IBC) provisions noted in the evaluation report [ESR-1723](#).
- The design, installation and inspection are in accordance with additional requirements of LABC Chapters 16,17 and 22, as applicable.
- Under the LARC, an engineered design in accordance with LARC Section R301.1.3 must be submitted.
- The provisions in LABC Section 2212 are excluded from this supplement.

This supplement expires concurrently with the evaluation report, reissued May 2024 and revised December 2024.

ICC-ES Evaluation Report

ESR-1723 CA Supplement

Reissued May 2024

Revised December 2024

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A Subsidiary of the International Code Council®

DIVISION: 05 00 00—METALS

Section: 05 40 00—Cold-Formed Metal Framing

REPORT HOLDER:

AEGIS METAL FRAMING, A DIVISION OF MITEK

EVALUATION SUBJECT:

ULTRA-SPAN® TRUSS SECTIONS

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Ultra-Span® Truss Sections, described in ICC-ES evaluation report ESR-1723, have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2022 California Building Code (CBC)

For evaluation of applicable Chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of the State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2022 California Residential Code (CRC)

2.0 CONCLUSIONS

2.1 CBC:

The Ultra-Span® Truss Sections, described in Sections 2.0 through 7.0 of the evaluation report ESR-1723, comply with CBC Chapters 22, provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapters 16, 17, and 22, as applicable.

2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

2.2 CRC:

The Ultra-Span® Truss Sections, described in Sections 2.0 through 7.0 of the evaluation report ESR-1723, comply with CRC Chapters 5 and 8, provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report.

This supplement expires concurrently with the evaluation report, reissued May 2024 and revised December 2024.

DIVISION: 05 00 00—METALS**Section: 05 40 00—Cold-Formed Metal Framing****REPORT HOLDER:****AEGIS METAL FRAMING, A DIVISION OF MITEK****EVALUATION SUBJECT:****ULTRA-SPAN® TRUSS SECTIONS****1.0 REPORT PURPOSE AND SCOPE****Purpose:**

The purpose of this evaluation report supplement is to indicate that Ultra-Span® Truss Sections, described in ICC-ES evaluation report ESR-1723, have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2023 *Florida Building Code—Building*
- 2023 *Florida Building Code—Residential*

2.0 CONCLUSIONS

The Ultra-Span® Truss Sections, described in Sections 2.0 through 7.0 of the evaluation report ESR-1723, comply with the *Florida Building Code—Building* and the *Florida Building Code—Residential*. The design requirements must be determined in accordance with the *Florida Building Code—Building* and the *Florida Building Code—Residential*, as applicable. The installation requirements noted in the ICC-ES evaluation report ESR-1723 for the 2021 *International Building Code*® (IBC) meet the requirements of the *Florida Building Code—Building* and the *Florida Building Code—Residential*, as applicable.

Use of the Ultra-Span® Truss Sections has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* and the *Florida Building Code—Residential*.

For products falling under Florida Rule 61G20-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the evaluation report, reissued May 2024 and revised December 2024.