

RS-7.2 PROFILE LOAD TABLES

WITH

GALVANIZED/COLD-ROLLED GRADE 30 KSI STEEL

(24 GA, 22 GA, 20 GA, 18 GA, & 16 GA)

3004-H14 ALUMINUM, $F_{TY} = 17$ KSI

(0.032 ALUM, 0.040 ALUM & 0.050 ALUM)

STAINLESS STEEL GRADE 30 KSI

(24 GA, 22 GA, 20 GA, 18 GA, & 16 GA)

HIGH STRENGTH GRADE 45 KSI STEEL

(22 GA, 18 GA, & 16 GA)

FOR

CORRUGATED METALS, INC.

FEBRUARY 2017



WILLETT HOFMANN
& ASSOCIATES INC

ENGINEERING ARCHITECTURE LAND SURVEYING

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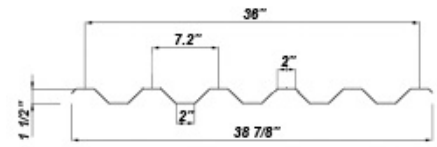
WHA # 1194D13

CORRUGATED METALS PRODUCTS: RS-7.2

Galvanized / Cold-Rolled & Aluminum Alloy

Section	Weight		Total Cross-Sectional Area	Allowable Stress	Top Flat in Compression			Bottom Flat in Compression		
	Sheet	Area			Moment of Inertia	Section Modulus	Allowable Moment	Moment of Inertia	Section Modulus	Allowable Moment
	lb/ft	lb/sf	A (in2)	Fa (psi)	I (in4/ft)	S (in3/ft)	Ma (lb-ft/ft)	I (in4/ft)	S (in3/ft)	Ma (lb-ft/ft)
24 Ga	4.07	1.27	1.20	17964	0.139	0.194	241	0.139	0.173	217
22 Ga	4.67	1.46	1.37	17964	0.160	0.222	291	0.160	0.198	261
20 Ga	6.03	1.88	1.77	17964	0.207	0.285	380	0.207	0.254	365
18 Ga	7.54	2.36	2.21	17964	0.258	0.354	530	0.258	0.315	472
16 Ga	9.35	2.92	2.75	17964	0.320	0.435	652	0.320	0.388	581
0.032 Alum.	1.68	0.52	1.42	7757	0.165	0.229	137	0.165	0.204	137
0.040 Alum.	2.10	0.66	1.77	8883	0.207	0.285	195	0.207	0.254	195
0.050 Alum.	2.62	0.82	2.21	9784	0.258	0.354	267	0.258	0.315	267

Table 1			Applied Load (PSF)					
Allowable Spans			10	20	30	40	50	60
Section	Span Limit	Span Type	Allowable Spans (ft)					
24 Ga	L/60	1 Span	13'- 7" *	9'- 10" *	8'- 2" *	7'- 1" *	6'- 4" *	5'- 10" *
		2 Span	13'- 7" *	9'- 10" *	8'- 2" *	7'- 1" *	6'- 4" *	5'- 10" *
		3 Span	14'- 0" *	10'- 2" *	8'- 5" *	7'- 4" *	6'- 7" *	6'- 0" *
	L/240	1 Span	9'- 3"	7'- 6"	6'- 7"	6'- 0"	5'- 7"	5'- 3"
		2 Span	10'- 5"	8'- 5"	7'- 5"	6'- 9"	6'- 3"	5'- 10" *
		3 Span	10'- 2"	8'- 3"	7'- 3"	6'- 7"	6'- 2"	5'- 9"
22 Ga	L/60	1 Span	14'- 5" *	10'- 6" *	8'- 8" *	7'- 7" *	6'- 9" *	6'- 3" *
		2 Span	14'- 5" *	10'- 6" *	8'- 8" *	7'- 7" *	6'- 9" *	6'- 3" *
		3 Span	14'- 10" *	10'- 10" *	9'- 0" *	7'- 10" *	7'- 0" *	6'- 5" *
	L/240	1 Span	9'- 8"	7'- 10"	6'- 11"	6'- 3"	5'- 10"	5'- 6"
		2 Span	10'- 10"	8'- 10"	7'- 9"	7'- 1"	6'- 7"	6'- 2"
		3 Span	10'- 7"	8'- 7"	7'- 7"	6'- 11"	6'- 5"	6'- 1"
20 Ga	L/60	1 Span	16'- 0" *	11'- 9" *	9'- 9" *	8'- 6" *	7'- 8" *	7'- 0" *
		2 Span	16'- 0" *	11'- 9" *	9'- 9" *	8'- 6" *	7'- 8" *	7'- 0" *
		3 Span	16'- 6" *	12'- 2" *	10'- 1" *	8'- 10" *	7'- 11" *	7'- 3" *
	L/240	1 Span	10'- 5"	8'- 6"	7'- 6"	6'- 10"	6'- 4"	6'- 0"
		2 Span	11'- 8"	9'- 6"	8'- 5"	7'- 8"	7'- 2"	6'- 9"
		3 Span	11'- 5"	9'- 3"	8'- 2"	7'- 6"	7'- 0"	6'- 7"
18 Ga	L/60	1 Span	17'- 6" *	13'- 0" *	10'- 10" *	9'- 5" *	8'- 6" *	7'- 9" *
		2 Span	17'- 6" *	13'- 0" *	10'- 10" *	9'- 5" *	8'- 6" *	7'- 9" *
		3 Span	18'- 1" *	13'- 5" *	11'- 2" *	9'- 9" *	8'- 9" *	8'- 0" *
	L/240	1 Span	11'- 1"	9'- 1"	8'- 0"	7'- 4"	6'- 10"	6'- 5"
		2 Span	12'- 5"	10'- 2"	9'- 0"	8'- 3"	7'- 8"	7'- 3"
		3 Span	12'- 1"	9'- 11"	8'- 9"	8'- 0"	7'- 6"	7'- 1"
16 Ga	L/60	1 Span	18'- 7"	14'- 3" *	11'- 11" *	10'- 5" *	9'- 4" *	8'- 7" *
		2 Span	19'- 0" *	14'- 3" *	11'- 11" *	10'- 5" *	9'- 4" *	8'- 7" *
		3 Span	19'- 7" *	14'- 9" *	12'- 3" *	10'- 9" *	9'- 8" *	8'- 11" *
	L/240	1 Span	11'- 8"	9'- 8"	8'- 7"	7'- 10"	7'- 4"	6'- 11"
		2 Span	13'- 2"	10'- 10"	9'- 7"	8'- 10"	8'- 2"	7'- 9"
		3 Span	12'- 10"	10'- 7"	9'- 5"	8'- 7"	8'- 0"	7'- 7"
0.032 Alum.	L/60	1 Span	10'- 0" *	7'- 2" *	5'- 11" *	5'- 1" *	4'- 7" *	4'- 2" *
		2 Span	10'- 0" *	7'- 2" *	5'- 11" *	5'- 1" *	4'- 7" *	4'- 2" *
		3 Span	10'- 4" *	7'- 5" *	6'- 1" *	5'- 3" *	4'- 9" *	4'- 4" *
	L/240	1 Span	7'- 1"	5'- 8"	4'- 11"	4'- 6"	4'- 2"	3'- 11"
		2 Span	7'- 11"	6'- 4"	5'- 7"	5'- 1"	4'- 7" *	4'- 2" *
		3 Span	7'- 9"	6'- 2"	5'- 5"	4'- 11"	4'- 7"	4'- 4" *
0.040 Alum.	L/60	1 Span	11'- 11" *	8'- 6" *	7'- 0" *	6'- 1" *	5'- 5" *	5'- 0" *
		2 Span	11'- 11" *	8'- 6" *	7'- 0" *	6'- 1" *	5'- 5" *	5'- 0" *
		3 Span	12'- 3" *	8'- 10" *	7'- 3" *	6'- 3" *	5'- 8" *	5'- 2" *
	L/240	1 Span	7'- 7"	6'- 1"	5'- 4"	4'- 10"	4'- 6"	4'- 3"
		2 Span	8'- 6"	6'- 10"	6'- 0"	5'- 5"	5'- 1"	4'- 9"
		3 Span	8'- 4"	6'- 8"	5'- 10"	5'- 4"	4'- 11"	4'- 8"
0.050 Alum.	L/60	1 Span	12'- 11"	9'- 11" *	8'- 2" *	7'- 1" *	6'- 4" *	5'- 10" *
		2 Span	13'- 9" *	9'- 11" *	8'- 2" *	7'- 1" *	6'- 4" *	5'- 10" *
		3 Span	14'- 2"	10'- 3" *	8'- 5" *	7'- 4" *	6'- 7" *	6'- 0" *
	L/240	1 Span	8'- 1"	6'- 6"	5'- 9"	5'- 3"	4'- 10"	4'- 7"
		2 Span	9'- 1"	7'- 4"	6'- 5"	5'- 10"	5'- 5"	5'- 2"
		3 Span	8'- 11"	7'- 2"	6'- 3"	5'- 9"	5'- 4"	5'- 0"



RS-7.2 Profile
Sample Calculation

Required Load = 40 psf
Required Deflection Limit = L / 240
Span Type = 2 Span

Allowable Span = 7'-8" (20 Ga Steel)

GENERAL NOTES

1. An asterisk (*) indicates allowable stress is reached.
2. For structural roofing & siding made of formed metal sheets, the total load deflection shall not exceed L/60.
3. Refer to Table 1604.3 limits & footnotes of the International Building Code (IBC) for additional guidance.
4. Allowable spans & loads DO include self-weight of panel.
5. All values are for one foot of panel width unless noted otherwise.

STEEL NOTES

1. Yield stress = Fy = 30,000 psi
2. Loads & spans for steel are based on the AISI Standard for Design of Cold-Formed Steel Structural Members (2007 Edition).

ALUMINUM NOTES (3003-H14)

1. Yield stress = Fty = 17,000 psi & Fcy = 15,300 psi
2. Loads & spans for aluminum are based on the Aluminum Design Manual (January 2015).

CORRUGATED METALS PRODUCTS: RS-7.2

Galvanized / Cold-Rolled & Aluminum Alloy

Table 2			Trial Span (ft)									
Allowable Loads			3	4	5	6	7	8	9	10	11	12
Section	Span Limit	Span Type	Allowable Loads (PSF)									
24 Ga	L/60	1 Span	228 *	128 *	81 *	56 *	40 *	31 *	24 *	19 *	15 *	13 *
		2 Span	228 *	128 *	81 *	56 *	40 *	31 *	24 *	19 *	15 *	13 *
		3 Span	244 *	136 *	87 *	60 *	43 *	33 *	26 *	20 *	16 *	14 *
	L/240	1 Span	228 *	128 *	70	40	24	16	11	7	5	3
		2 Span	228 *	128 *	81 *	56 *	35	23	16	11	8	6
		3 Span	244 *	136 *	87 *	53	33	21	14	10	7	5
22 Ga	L/60	1 Span	261 *	146 *	93 *	64 *	46 *	35 *	27 *	22 *	18 *	14 *
		2 Span	261 *	146 *	93 *	64 *	46 *	35 *	27 *	22 *	18 *	14 *
		3 Span	279 *	156 *	99 *	68 *	50 *	38 *	29 *	23 *	19 *	16 *
	L/240	1 Span	261 *	146 *	81	46	28	18	12	8	6	4
		2 Span	261 *	146 *	93 *	64 *	41	27	18	13	9	6
		3 Span	279 *	156 *	99 *	61	38	25	17	12	8	6
20 Ga	L/60	1 Span	335 *	188 *	119 *	82 *	60 *	45 *	35 *	28 *	23 *	19 *
		2 Span	335 *	188 *	119 *	82 *	60 *	45 *	35 *	28 *	23 *	19 *
		3 Span	358 *	201 *	128 *	88 *	64 *	48 *	38 *	30 *	24 *	20 *
	L/240	1 Span	335 *	188 *	104	59	36	24	16	11	8	5
		2 Span	335 *	188 *	119 *	82 *	53	34	23	16	12	9
		3 Span	358 *	201 *	128 *	79	49	32	22	15	11	8
18 Ga	L/60	1 Span	416 *	233 *	148 *	102 *	74 *	56 *	44 *	35 *	28 *	23 *
		2 Span	416 *	233 *	148 *	102 *	74 *	56 *	44 *	35 *	28 *	23 *
		3 Span	445 *	249 *	158 *	109 *	79 *	60 *	47 *	37 *	30 *	25 *
	L/240	1 Span	416 *	233 *	130	74	46	30	20	14	10	7
		2 Span	416 *	233 *	148 *	102 *	66	43	29	21	15	11
		3 Span	445 *	249 *	158 *	99	61	40	27	19	14	10
16 Ga	L/60	1 Span	513 *	287 *	182 *	126 *	91 *	69 *	54 *	43 *	35 *	29 *
		2 Span	513 *	287 *	182 *	126 *	91 *	69 *	54 *	43 *	35 *	29 *
		3 Span	548 *	307 *	195 *	134 *	98 *	74 *	58 *	46 *	38 *	31 *
	L/240	1 Span	513 *	287 *	162	92	57	37	25	17	12	9
		2 Span	513 *	287 *	182 *	126 *	82	54	37	26	19	13
		3 Span	548 *	307 *	195 *	122	76	50	34	24	17	12
0.032 Alum.	L/60	1 Span	116 *	65 *	41 *	28 *	21 *	15 *	12 *	10 *	8 *	6 *
		2 Span	116 *	65 *	41 *	28 *	21 *	15 *	12 *	10 *	8 *	6 *
		3 Span	124 *	70 *	44 *	30 *	22 *	17 *	13 *	10 *	8 *	7 *
	L/240	1 Span	116 *	57	29	16	10	6	4	3	2	1
		2 Span	116 *	65 *	41	23	14	9	6	4	3	2
		3 Span	124 *	70 *	38	22	13	9	6	4	3	2
0.040 Alum.	L/60	1 Span	166 *	93 *	59 *	41 *	30 *	22 *	17 *	14 *	11 *	9 *
		2 Span	166 *	93 *	59 *	41 *	30 *	22 *	17 *	14 *	11 *	9 *
		3 Span	177 *	99 *	63 *	43 *	32 *	24 *	19 *	15 *	12 *	10 *
	L/240	1 Span	166 *	71	36	20	12	8	5	3	2	2
		2 Span	166 *	93 *	51	29	18	12	8	5	4	3
		3 Span	177 *	94	48	27	17	11	7	5	3	2
0.050 Alum.	L/60	1 Span	227 *	127 *	81 *	56 *	41 *	31 *	24 *	19 *	16 *	12
		2 Span	227 *	127 *	81 *	56 *	41 *	31 *	24 *	19 *	16 *	13 *
		3 Span	243 *	136 *	86 *	60 *	43 *	33 *	26 *	21 *	17 *	14 *
	L/240	1 Span	213	89	45	26	16	10	7	4	3	2
		2 Span	227 *	127	64	37	23	15	10	7	5	3
		3 Span	243 *	118	60	34	21	14	9	6	4	3

GENERAL NOTES

1. An asterisk (*) indicates allowable stress is reached.
2. A Strikethrough (~~100~~) indicates less than 10 psf ASCE minimum.
3. For structural roofing & siding made of formed metal sheets, the total load deflection shall not exceed L/60.
4. Refer to Table 1604.3 limits & footnotes of the International Building Code (IBC) for additional guidance.
5. Allowable spans & loads DO include self-weight of panel.
6. All values are for one foot of panel width unless noted otherwise.

STEEL NOTES

1. Yield stress = Fy = 30,000 psi
2. Loads & spans for steel are based on the AISI Standard for Design of Cold-Formed Steel Structural Members (2007 Edition).

ALUMINUM NOTES (3003-H14)

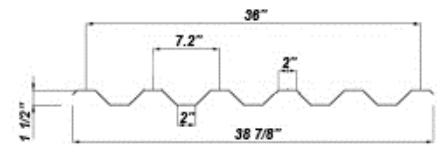
1. Yield stress = Fty = 17,000 psi & Fcy = 15,300 psi
2. Loads & spans for aluminum are based on the Aluminum Design Manual (January 2015).

CORRUGATED METALS PRODUCTS: RS-7.2

Stainless Steel (SS) and High-Strength Steel (A606-T4)

Section	Weight		Total Cross-Sectional Area	Allowable Stress	Top Flat in Compression			Bottom Flat in Compression		
	Sheet	Area			Moment of Inertia	Section Modulus	Allowable Moment	Moment of Inertia	Section Modulus	Allowable Moment
	lb/ft	lb/sf	A (in ²)	Fa (psi)	I (in ⁴ /ft)	S (in ³ /ft)	Ma (lb-ft/ft)	I (in ⁴ /ft)	S (in ³ /ft)	Ma (lb-ft/ft)
24 Ga SS	4.07	1.27	1.20	17964	0.139	0.194	232	0.139	0.173	210
22 Ga SS	4.67	1.46	1.37	17964	0.160	0.222	280	0.160	0.198	252
20 Ga SS	6.03	1.88	1.77	17964	0.207	0.285	380	0.207	0.254	353
18 Ga SS	7.54	2.36	2.21	17964	0.258	0.354	472	0.258	0.315	470
16 Ga SS	9.35	2.92	2.75	17964	0.320	0.435	652	0.320	0.388	581
22 Ga (A606-T4)	4.67	1.46	1.37	26946	0.160	0.222	405	0.160	0.198	405
18 Ga (A606-T4)	7.54	2.36	2.21	26946	0.258	0.354	707	0.258	0.315	684
16 Ga (A606-T4)	9.35	2.92	2.75	26946	0.320	0.435	978	0.320	0.388	871

Table 1			Applied Load (PSF)					
Allowable Spans			10	20	30	40	50	60
Section	Span Limit	Span Type	Allowable Spans (ft)					
24 Ga SS	L/60	1 Span	13'- 7" *	9'- 10" *	8'- 2" *	7'- 1" *	6'- 4" *	5'- 10" *
		2 Span	13'- 7" *	9'- 10" *	8'- 2" *	7'- 1" *	6'- 4" *	5'- 10" *
		3 Span	14'- 0" *	10'- 2" *	8'- 5" *	7'- 4" *	6'- 7" *	6'- 0" *
	L/240	1 Span	8'- 8"	7'- 0"	6'- 2"	5'- 8"	5'- 3"	4'- 11"
		2 Span	9'- 9"	7'- 11"	6'- 11"	6'- 4"	5'- 11"	5'- 7"
		3 Span	9'- 6"	7'- 8"	6'- 9"	6'- 2"	5'- 9"	5'- 5"
22 Ga SS	L/60	1 Span	14'- 4"	10'- 6" *	8'- 8" *	7'- 7" *	6'- 9" *	6'- 3" *
		2 Span	14'- 5" *	10'- 6" *	8'- 8" *	7'- 7" *	6'- 9" *	6'- 3" *
		3 Span	14'- 10" *	10'- 10" *	9'- 0" *	7'- 10" *	7'- 0" *	6'- 5" *
	L/240	1 Span	9'- 0"	7'- 4"	6'- 5"	5'- 11"	5'- 6"	5'- 2"
		2 Span	10'- 2"	8'- 3"	7'- 3"	6'- 7"	6'- 2"	5'- 10"
		3 Span	9'- 11"	8'- 0"	7'- 1"	6'- 5"	6'- 0"	5'- 8"
20 Ga SS	L/60	1 Span	15'- 5"	11'- 9" *	9'- 9" *	8'- 6" *	7'- 8" *	7'- 0" *
		2 Span	16'- 0" *	11'- 9" *	9'- 9" *	8'- 6" *	7'- 8" *	7'- 0" *
		3 Span	16'- 6" *	12'- 2" *	10'- 1" *	8'- 10" *	7'- 11" *	7'- 3" *
	L/240	1 Span	9'- 9"	7'- 11"	7'- 0"	6'- 5"	5'- 11"	5'- 7"
		2 Span	10'- 11"	8'- 11"	7'- 10"	7'- 2"	6'- 8"	6'- 4"
		3 Span	10'- 8"	8'- 8"	7'- 8"	7'- 0"	6'- 6"	6'- 2"
18 Ga SS	L/60	1 Span	16'- 5"	13'- 0" *	10'- 10" *	9'- 5" *	8'- 6" *	7'- 9" *
		2 Span	17'- 6" *	13'- 0" *	10'- 10" *	9'- 5" *	8'- 6" *	7'- 9" *
		3 Span	18'- 0"	13'- 5" *	11'- 2" *	9'- 9" *	8'- 9" *	8'- 0" *
	L/240	1 Span	10'- 4"	8'- 6"	7'- 6"	6'- 10"	6'- 5"	6'- 0"
		2 Span	11'- 7"	9'- 6"	8'- 5"	7'- 8"	7'- 2"	6'- 9"
		3 Span	11'- 4"	9'- 4"	8'- 3"	7'- 6"	7'- 0"	6'- 7"
16 Ga SS	L/60	1 Span	17'- 5"	14'- 3" *	11'- 11" *	10'- 5" *	9'- 4" *	8'- 7" *
		2 Span	19'- 0" *	14'- 3" *	11'- 11" *	10'- 5" *	9'- 4" *	8'- 7" *
		3 Span	19'- 0"	14'- 9" *	12'- 3" *	10'- 9" *	9'- 8" *	8'- 11" *
	L/240	1 Span	10'- 11"	9'- 1"	8'- 0"	7'- 4"	6'- 10"	6'- 5"
		2 Span	12'- 3"	10'- 2"	9'- 0"	8'- 3"	7'- 8"	7'- 3"
		3 Span	12'- 0"	9'- 11"	8'- 9"	8'- 0"	7'- 6"	7'- 1"
22 Ga (A606-T4)	L/60	1 Span	15'- 4"	12'- 5"	10'- 8" *	9'- 3" *	8'- 4" *	7'- 7" *
		2 Span	17'- 2"	12'- 10" *	10'- 8" *	9'- 3" *	8'- 4" *	7'- 7" *
		3 Span	16'- 10"	13'- 4" *	11'- 0" *	9'- 7" *	8'- 7" *	7'- 10" *
	L/240	1 Span	9'- 8"	7'- 10"	6'- 11"	6'- 3"	5'- 10"	5'- 6"
		2 Span	10'- 10"	8'- 10"	7'- 9"	7'- 1"	6'- 7"	6'- 2"
		3 Span	10'- 7"	8'- 7"	7'- 7"	6'- 11"	6'- 5"	6'- 1"
18 Ga (A606-T4)	L/60	1 Span	17'- 6"	14'- 5"	12'- 9"	11'- 7" *	10'- 5" *	9'- 6" *
		2 Span	19'- 8"	15'- 11" *	13'- 3" *	11'- 7" *	10'- 5" *	9'- 6" *
		3 Span	19'- 3"	15'- 9"	13'- 8" *	11'- 11" *	10'- 9" *	9'- 10" *
	L/240	1 Span	11'- 1"	9'- 1"	8'- 0"	7'- 4"	6'- 10"	6'- 5"
		2 Span	12'- 5"	10'- 2"	9'- 0"	8'- 3"	7'- 8"	7'- 3"
		3 Span	12'- 1"	9'- 11"	8'- 9"	8'- 0"	7'- 6"	7'- 1"
16 Ga (A606-T4)	L/60	1 Span	18'- 7"	15'- 4"	13'- 7"	12'- 5"	11'- 6" *	10'- 6" *
		2 Span	20'- 10"	17'- 3"	14'- 7" *	12'- 9" *	11'- 6" *	10'- 6" *
		3 Span	20'- 4"	16'- 10"	14'- 11"	13'- 2" *	11'- 10" *	10'- 11" *
	L/240	1 Span	11'- 8"	9'- 8"	8'- 7"	7'- 10"	7'- 4"	6'- 11"
		2 Span	13'- 2"	10'- 10"	9'- 7"	8'- 10"	8'- 2"	7'- 9"
		3 Span	12'- 10"	10'- 7"	9'- 5"	8'- 7"	8'- 0"	7'- 7"



RS-7.2 Profile Sample Calculation

Required Load = 40 psf
Required Deflection Limit = L / 240
Span Type = 2 Span

Allowable Span = 7'-2" (20 Ga SS)

GENERAL NOTES

1. An asterisk (*) indicates allowable stress is reached.
2. For structural roofing & siding made of formed metal sheets, the total load deflection shall not exceed L/60.
3. Refer to Table 1604.3 limits & footnotes of the International Building Code (IBC) for additional guidance.
4. Allowable spans & loads DO include self-weight of panel.
5. All values are for one foot of panel width unless noted otherwise.
6. "SS" indicates Stainless Steel.

STEEL NOTES

1. Yield stress = $F_y = 30,000$ psi for Stainless Steel.
2. Yield stress = $F_y = 45,000$ psi for High-Strength A606-T4.
3. Loads & spans for steel are based on the ASCE "Specification for the Design of Stainless Steel Cold-Formed Structural Members" (ASCE 8-02) and AISC Steel Design Guide 27 for "Structural Stainless Steel."

CORRUGATED METALS PRODUCTS: RS-7.2

Stainless Steel (SS) and High-Strength Steel (A606-T4)

Table 2			Trial Span (ft)									
Allowable Loads			3	4	5	6	7	8	9	10	11	12
Section	Span Limit	Span Type	Allowable Loads (PSF)									
24 Ga SS	L/60	1 Span	228 *	128 *	81 *	56 *	40 *	31 *	24 *	19 *	15 *	13 *
		2 Span	228 *	128 *	81 *	56 *	40 *	31 *	24 *	19 *	15 *	13 *
		3 Span	244 *	136 *	87 *	60 *	43 *	33 *	26 *	20 *	16 *	14 *
	L/240	1 Span	228 *	113	57	32	20	13	8	6	4	2
		2 Span	228 *	128 *	81 *	47	29	19	13	9	6	4
		3 Span	244 *	136 *	76	43	27	17	12	8	6	4
22 Ga SS	L/60	1 Span	261 *	146 *	93 *	64 *	46 *	35 *	27 *	22 *	18 *	14 *
		2 Span	261 *	146 *	93 *	64 *	46 *	35 *	27 *	22 *	18 *	14 *
		3 Span	279 *	156 *	99 *	68 *	50 *	38 *	29 *	23 *	19 *	16 *
	L/240	1 Span	261 *	130	66	37	23	15	10	7	4	3
		2 Span	261 *	146 *	93 *	54	33	21	14	10	7	5
		3 Span	279 *	156 *	87	50	31	20	13	9	6	4
20 Ga SS	L/60	1 Span	335 *	188 *	119 *	82 *	60 *	45 *	35 *	28 *	23 *	19 *
		2 Span	335 *	188 *	119 *	82 *	60 *	45 *	35 *	28 *	23 *	19 *
		3 Span	358 *	201 *	128 *	88 *	64 *	48 *	38 *	30 *	24 *	20 *
	L/240	1 Span	335 *	168	85	48	29	19	13	9	6	4
		2 Span	335 *	188 *	119 *	69	43	28	19	13	9	7
		3 Span	358 *	201 *	113	64	40	26	17	12	8	6
18 Ga SS	L/60	1 Span	416 *	233 *	148 *	102 *	74 *	56 *	44 *	35 *	28 *	23 *
		2 Span	416 *	233 *	148 *	102 *	74 *	56 *	44 *	35 *	28 *	23 *
		3 Span	445 *	249 *	158 *	109 *	79 *	60 *	47 *	37 *	30 *	25 *
	L/240	1 Span	416 *	211	106	60	37	24	16	11	7	5
		2 Span	416 *	233 *	148 *	87	54	35	24	16	12	8
		3 Span	445 *	249 *	141	80	50	32	22	15	11	8
16 Ga SS	L/60	1 Span	513 *	287 *	182 *	126 *	91 *	69 *	54 *	43 *	35 *	29 *
		2 Span	513 *	287 *	182 *	126 *	91 *	69 *	54 *	43 *	35 *	29 *
		3 Span	548 *	307 *	195 *	134 *	98 *	74 *	58 *	46 *	38 *	31 *
	L/240	1 Span	513 *	261	132	75	46	30	20	14	9	6
		2 Span	513 *	287 *	182 *	108	67	43	29	21	15	10
		3 Span	548 *	307 *	175	100	62	40	27	19	13	9
22 Ga (A606-T4)	L/60	1 Span	393 *	220 *	140 *	97 *	71 *	54 *	42 *	34 *	27 *	22
		2 Span	393 *	220 *	140 *	97 *	71 *	54 *	42 *	34 *	27 *	23 *
		3 Span	420 *	235 *	150 *	104 *	76 *	57 *	45 *	36 *	29 *	24 *
	L/240	1 Span	380	159	81	46	28	18	12	8	6	4
		2 Span	393 *	220 *	115	66	41	27	18	13	9	6
		3 Span	420 *	210	107	61	38	25	17	12	8	6
18 Ga (A606-T4)	L/60	1 Span	626 *	351 *	224 *	154 *	113 *	86 *	67 *	54 *	44 *	36
		2 Span	626 *	351 *	224 *	154 *	113 *	86 *	67 *	54 *	44 *	36 *
		3 Span	669 *	375 *	239 *	165 *	121 *	92 *	72 *	58 *	47 *	39 *
	L/240	1 Span	614	257	130	74	46	30	20	14	10	7
		2 Span	626 *	351 *	186	106	66	43	29	21	15	11
		3 Span	669 *	339	172	99	61	40	27	19	14	10
16 Ga (A606-T4)	L/60	1 Span	771 *	432 *	275 *	190 *	139 *	105 *	83 *	66 *	54 *	44
		2 Span	771 *	432 *	275 *	190 *	139 *	105 *	83 *	66 *	54 *	45 *
		3 Span	824 *	462 *	294 *	203 *	149 *	113 *	88 *	71 *	58 *	48 *
	L/240	1 Span	761	319	162	92	57	37	25	17	12	9
		2 Span	771 *	432 *	230	132	82	54	37	26	19	13
		3 Span	824 *	421	214	122	76	50	34	24	17	12

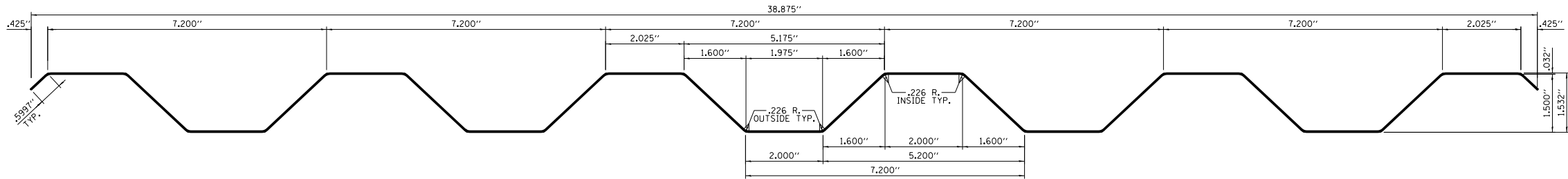
GENERAL NOTES

1. An asterisk (*) indicates allowable stress is reached.
2. A Strikethrough (~~100~~) indicates less than 10 psf ASCE minimum.
3. For structural roofing & siding made of formed metal sheets, the total load deflection shall not exceed L/60.
4. Refer to Table 1604.3 limits & footnotes of the International Building Code (IBC) for additional guidance.
5. Allowable spans & loads DO include self-weight of panel.
6. All values are for one foot of panel width unless noted otherwise.
7. "SS" indicates Stainless Steel.

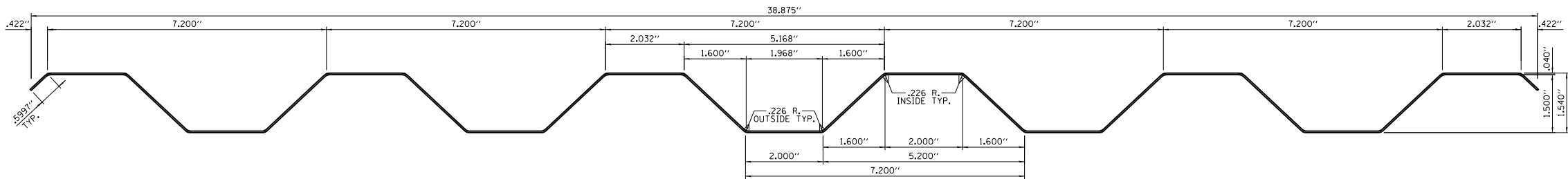
STEEL NOTES

1. Yield stress = Fy = 30,000 psi for Stainless Steel.
2. Yield stress = Fy = 45,000 psi for High-Strength A606-T4.
3. Loads & spans for steel are based on the ASCE "Specification for the Design of Stainless Steel Cold-Formed Structural Members" (ASCE 8-02) and AISC Steel Design Guide 27 for "Structural Stainless Steel."

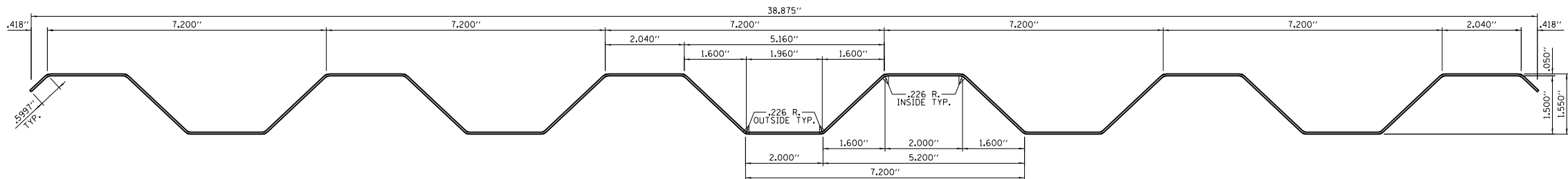
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0.032 GA.

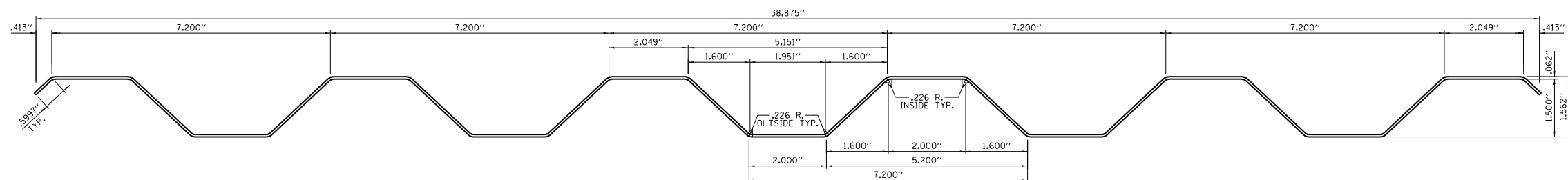
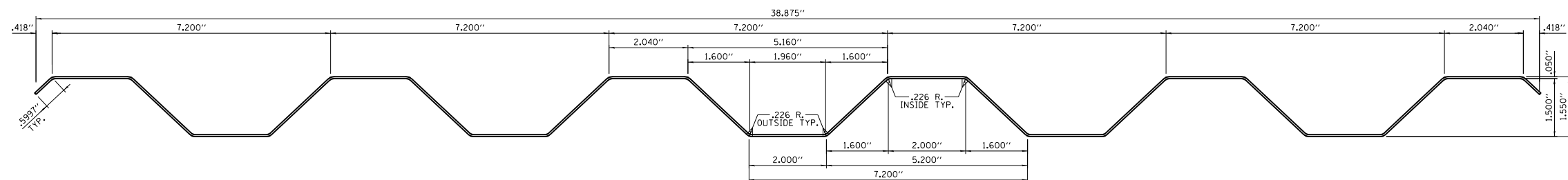
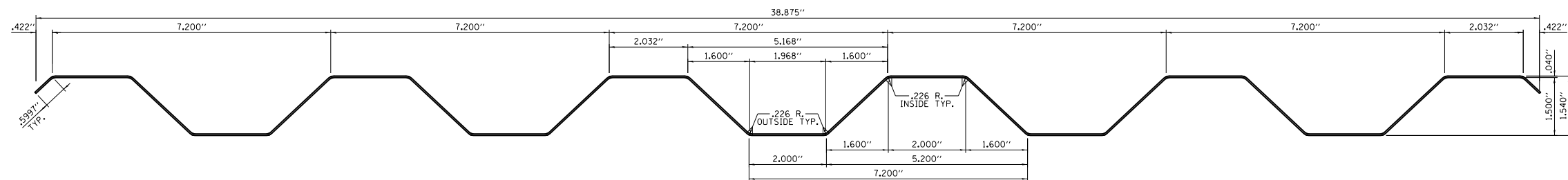
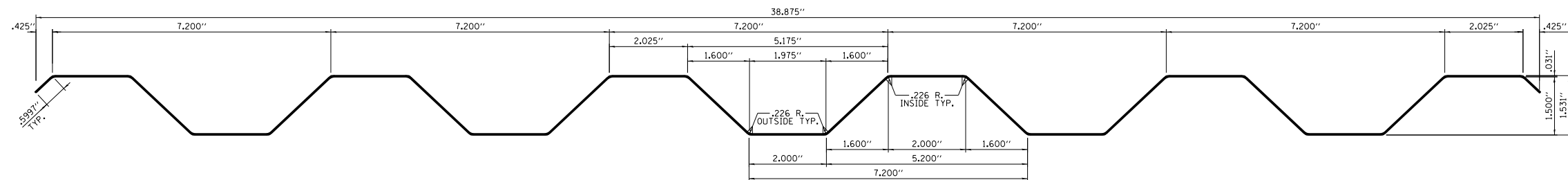
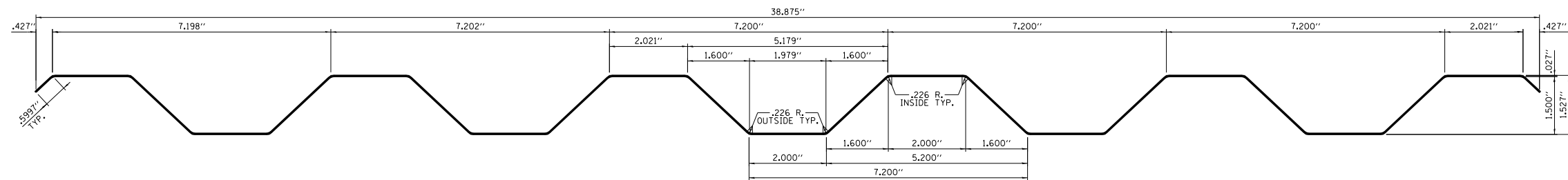


0.040 GA.



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WILLET HOFMANN ASSOCIATES INC. ENGINEERING ARCHITECTURE LAND SURVEYING 809 EAST 2ND STREET, DODON, IL 61021-0367 TEL: 815-224-5381 FAX: 815-224-0918	REMARKS	DATE	BY	REV.	DRAWN
					F.D.L.
					CHECKED
					P.L.P.
CORRUGATED METALS, INC. 6550 REVLON DRIVE BELVIDERE, ILLINOIS 61008 RS-7.2 PROFILE DRAWING - 0.032, 0.040 & 0.050 GA. ALUM.	APPROVED				
PHASE: <input type="checkbox"/> PRELIM <input checked="" type="checkbox"/> FINAL <input type="checkbox"/> RECORD <input type="checkbox"/>	WHA No. 1194013	DATE: FEB. 2017	TOTAL No. 3	SHEET No. 1	This document is the copyrighted property of Willett, Hofmann & Associates, Inc., and may not be copied or used by any person without written permission. © Copyright 2017 Willett, Hofmann & Associates, Inc.



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