HARVEST PANEL LOAD TABLES

WITH

GALVANIZED/COLD-ROLLED GRADE 30 KSI STEEL
(26 GA, 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

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& ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
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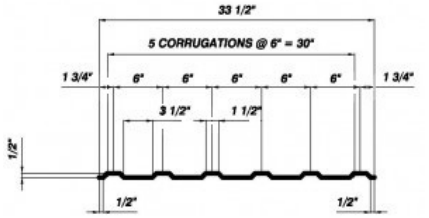
Expires: 11/30/2018
WHA # 1194D13

CORRUGATED METALS PRODUCTS: Harvest Panel

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)
26 Ga	2.69	0.96	0.79	17964	0.014	0.042	50	0.014	0.070	50
24 Ga	3.30	1.18	0.97	17964	0.017	0.051	68	0.017	0.085	68
22 Ga	3.79	1.36	1.11	17964	0.019	0.058	82	0.019	0.097	84
20 Ga	4.88	1.75	1.44	17964	0.025	0.075	112	0.025	0.122	112
18 Ga	6.10	2.19	1.79	17964	0.031	0.092	138	0.031	0.148	138
16 Ga	7.57	2.71	2.22	17964	0.039	0.113	169	0.039	0.179	169
0.032 Alum.	1.36	0.49	1.15	8271	0.020	0.060	39	0.020	0.099	34
0.040 Alum.	1.70	0.61	1.44	9114	0.025	0.075	53	0.025	0.122	50
0.050 Alum.	2.12	0.76	1.79	9788	0.031	0.092	70	0.031	0.148	74

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



Harvest Panel

Sample Calculation

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

Allowable Span = 3'-10" (20 Ga Steel)

GENERAL NOTES

1. An asterix (*) 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: Harvest Panel

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)									
26 Ga	L/60	1 Span	54 *	30 *	19 *	13 *	~~9~~ *	~~5~~	~~3~~	~~2~~	~~1~~	~~1~~
		2 Span	71 *	40 *	25 *	17 *	12 *	~~8~~	~~5~~	~~4~~	~~2~~	~~1~~
		3 Span	68 *	37 *	23 *	16 *	11 *	~~8~~	~~5~~	~~3~~	~~2~~	~~1~~
	L/240	1 Span	31	12	~~6~~	~~3~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
		2 Span	45	18	~~9~~	~~4~~	~~2~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~
		3 Span	41	17	~~8~~	~~4~~	~~2~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~
24 Ga	L/60	1 Span	66 *	37 *	23 *	15 *	11 *	~~7~~	~~4~~	~~3~~	~~2~~	~~1~~
		2 Span	87 *	48 *	30 *	21 *	15 *	10	~~7~~	~~4~~	~~3~~	~~2~~
		3 Span	82 *	46 *	29 *	19 *	14 *	~~9~~	~~6~~	~~4~~	~~3~~	~~2~~
	L/240	1 Span	38	15	~~7~~	~~3~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
		2 Span	55	22	11	~~5~~	~~3~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~
		3 Span	51	21	10	~~5~~	~~2~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~
22 Ga	L/60	1 Span	76 *	42 *	26 *	18 *	12 *	~~8~~	~~5~~	~~3~~	~~2~~	~~1~~
		2 Span	100 *	55 *	35 *	23 *	17 *	12	~~8~~	~~5~~	~~3~~	~~2~~
		3 Span	94 *	52 *	33 *	22 *	16 *	11	~~7~~	~~5~~	~~3~~	~~2~~
	L/240	1 Span	44	18	~~8~~	~~4~~	~~2~~	~~1~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
		2 Span	63	26	12	~~6~~	~~3~~	~~2~~	~~1~~	~~0~~	~~-1~~	~~-1~~
		3 Span	59	24	11	~~6~~	~~3~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~
20 Ga	L/60	1 Span	97 *	54 *	33 *	23 *	16 *	10	~~7~~	~~4~~	~~3~~	~~1~~
		2 Span	127 *	71 *	44 *	30 *	22 *	16	10	~~7~~	~~5~~	~~3~~
		3 Span	120 *	67 *	42 *	28 *	20 *	14	~~9~~	~~6~~	~~4~~	~~3~~
	L/240	1 Span	57	23	11	~~5~~	~~2~~	~~1~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
		2 Span	82	33	16	~~8~~	~~4~~	~~2~~	~~1~~	~~0~~	~~-1~~	~~-1~~
		3 Span	76	31	15	~~8~~	~~4~~	~~2~~	~~1~~	~~0~~	~~-1~~	~~-1~~
18 Ga	L/60	1 Span	120 *	66 *	42 *	28 *	20 *	13	~~8~~	~~5~~	~~3~~	~~2~~
		2 Span	158 *	88 *	55 *	37 *	27 *	20	13	~~9~~	~~6~~	~~4~~
		3 Span	149 *	83 *	52 *	35 *	25 *	18	12	~~8~~	~~5~~	~~3~~
	L/240	1 Span	72	29	13	~~7~~	~~3~~	~~1~~	~~0~~	~~-1~~	~~-1~~	~~-2~~
		2 Span	103	42	20	11	~~6~~	~~3~~	~~1~~	~~0~~	~~-1~~	~~-1~~
		3 Span	95	39	19	10	~~5~~	~~2~~	~~1~~	~~0~~	~~-1~~	~~-1~~
16 Ga	L/60	1 Span	147 *	81 *	51 *	34 *	24 *	16	11	~~7~~	~~4~~	~~3~~
		2 Span	193 *	107 *	67 *	46 *	33 *	24 *	16	11	~~7~~	~~5~~
		3 Span	183 *	101 *	64 *	43 *	31 *	23	15	10	~~7~~	~~4~~
	L/240	1 Span	90	36	17	~~8~~	~~4~~	~~2~~	~~0~~	~~-1~~	~~-1~~	~~-2~~
		2 Span	128	52	25	13	~~7~~	~~4~~	~~2~~	~~0~~	~~-1~~	~~-1~~
		3 Span	119	48	23	12	~~6~~	~~3~~	~~1~~	~~0~~	~~-1~~	~~-1~~
0.032 Alum.	L/60	1 Span	36 *	20 *	12 *	~~7~~	~~4~~	~~3~~	~~1~~	~~1~~	~~0~~	~~0~~
		2 Span	47 *	26 *	16 *	11	~~6~~	~~4~~	~~2~~	~~2~~	~~1~~	~~0~~
		3 Span	45 *	25 *	15 *	10	~~6~~	~~4~~	~~2~~	~~1~~	~~1~~	~~0~~
	L/240	1 Span	16	~~6~~	~~3~~	~~1~~	~~0~~	~~0~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
		2 Span	22	~~9~~	~~4~~	~~2~~	~~1~~	~~0~~	~~0~~	~~0~~	~~-1~~	~~-1~~
		3 Span	21	~~8~~	~~4~~	~~2~~	~~1~~	~~0~~	~~0~~	~~0~~	~~-1~~	~~-1~~
0.040 Alum.	L/60	1 Span	~~49~~ *	27 *	17	~~9~~	~~5~~	~~3~~	~~2~~	~~1~~	~~1~~	~~0~~
		2 Span	65 *	36 *	23 *	14	~~8~~	~~5~~	~~3~~	~~2~~	~~1~~	~~1~~
		3 Span	61 *	34 *	21 *	13	~~7~~	~~5~~	~~3~~	~~2~~	~~1~~	~~1~~
	L/240	1 Span	20	~~8~~	~~3~~	~~1~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
		2 Span	28	11	~~5~~	~~3~~	~~1~~	~~0~~	~~0~~	~~0~~	~~-1~~	~~-1~~
		3 Span	26	10	~~5~~	~~2~~	~~1~~	~~0~~	~~0~~	~~0~~	~~-1~~	~~-1~~
0.050 Alum.	L/60	1 Span	62 *	34 *	21	12	~~7~~	~~4~~	~~3~~	~~2~~	~~1~~	~~0~~
		2 Span	82 *	45 *	29 *	17	10	~~7~~	~~4~~	~~3~~	~~2~~	~~1~~
		3 Span	77 *	43 *	27 *	16	10	~~6~~	~~4~~	~~2~~	~~2~~	~~1~~
	L/240	1 Span	25	10	~~4~~	~~2~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
		2 Span	36	14	~~7~~	~~3~~	~~2~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~
		3 Span	33	13	~~6~~	~~3~~	~~1~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~

GENERAL NOTES

1. An asterix (*) 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)

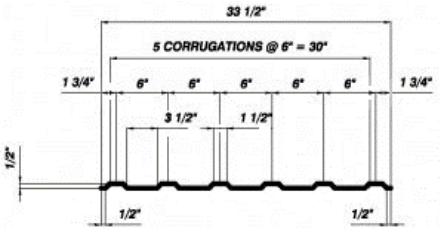
1. Yield stress = Fty = 17,000 psi & Fcy = 15,300 psi
2. Loads & spans for aluminum are based on the Aluminum Design Manual (January 2015).

CORRUGATED METALS PRODUCTS: Harvest Panel

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 (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 SS	3.30	1.18	0.97	17964	0.017	0.051	65	0.017	0.085	65
22 Ga SS	3.79	1.36	1.11	17964	0.019	0.058	79	0.019	0.097	80
20 Ga SS	4.88	1.75	1.44	17964	0.025	0.075	112	0.025	0.122	112
18 Ga SS	6.10	2.19	1.79	17964	0.031	0.092	138	0.031	0.148	138
16 Ga SS	7.57	2.71	2.22	17964	0.039	0.113	169	0.039	0.179	169
22 Ga (A606-T4)	3.79	1.36	1.11	26946	0.019	0.058	113	0.019	0.097	113
18 Ga (A606-T4)	6.10	2.19	1.79	26946	0.031	0.092	207	0.031	0.148	207
16 Ga (A606-T4)	7.57	2.71	2.22	26946	0.039	0.113	253	0.039	0.179	253

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	6'- 10"	5'- 4" *	4'- 5" *	3'- 10" *	3'- 5" *	3'- 2" *
		2 Span	7'- 8"	6'- 2" *	5'- 1" *	4'- 5" *	3'- 11" *	3'- 7" *
		3 Span	7'- 6"	6'- 0" *	4'- 11" *	4'- 3" *	3'- 10" *	3'- 6" *
	L/240	1 Span	4'- 4"	3'- 6"	3'- 1"	2'- 9"	2'- 7"	2'- 5"
		2 Span	4'- 10"	3'- 11"	3'- 5"	3'- 2"	2'- 11"	2'- 9"
		3 Span	4'- 9"	3'- 10"	3'- 4"	3'- 1"	2'- 10"	2'- 8"
22 Ga SS	L/60	1 Span	7'- 1"	5'- 9" *	4'- 9" *	4'- 1" *	3'- 8" *	3'- 4" *
		2 Span	8'- 0"	6'- 6"	5'- 5" *	4'- 8" *	4'- 3" *	3'- 10" *
		3 Span	7'- 10"	6'- 4"	5'- 3" *	4'- 7" *	4'- 1" *	3'- 9" *
	L/240	1 Span	4'- 6"	3'- 8"	3'- 2"	2'- 11"	2'- 9"	2'- 7"
		2 Span	5'- 0"	4'- 1"	3'- 7"	3'- 3"	3'- 1"	2'- 10"
		3 Span	4'- 11"	4'- 0"	3'- 6"	3'- 2"	3'- 0"	2'- 10"
20 Ga SS	L/60	1 Span	7'- 8"	6'- 3"	5'- 4" *	4'- 7" *	4'- 2" *	3'- 10" *
		2 Span	8'- 7"	7'- 0"	6'- 1" *	5'- 3" *	4'- 9" *	4'- 4" *
		3 Span	8'- 5"	6'- 10"	5'- 11" *	5'- 2" *	4'- 7" *	4'- 3" *
	L/240	1 Span	4'- 10"	3'- 11"	3'- 6"	3'- 2"	2'- 11"	2'- 9"
		2 Span	5'- 5"	4'- 5"	3'- 11"	3'- 7"	3'- 4"	3'- 1"
		3 Span	5'- 3"	4'- 4"	3'- 10"	3'- 6"	3'- 3"	3'- 0"
18 Ga SS	L/60	1 Span	8'- 2"	6'- 8"	5'- 10" *	5'- 1" *	4'- 7" *	4'- 3" *
		2 Span	9'- 2"	7'- 6"	6'- 8"	5'- 10" *	5'- 3" *	4'- 10" *
		3 Span	8'- 11"	7'- 4"	6'- 6"	5'- 8" *	5'- 1" *	4'- 8" *
	L/240	1 Span	5'- 2"	4'- 3"	3'- 9"	3'- 5"	3'- 2"	3'- 0"
		2 Span	5'- 9"	4'- 9"	4'- 2"	3'- 10"	3'- 7"	3'- 4"
		3 Span	5'- 8"	4'- 7"	4'- 1"	3'- 9"	3'- 6"	3'- 3"
16 Ga SS	L/60	1 Span	8'- 8"	7'- 2"	6'- 4"	5'- 7" *	5'- 1" *	4'- 8" *
		2 Span	9'- 9"	8'- 0"	7'- 1"	6'- 5" *	5'- 9" *	5'- 4" *
		3 Span	9'- 6"	7'- 10"	6'- 11"	6'- 3" *	5'- 8" *	5'- 2" *
	L/240	1 Span	5'- 5"	4'- 6"	4'- 0"	3'- 8"	3'- 5"	3'- 2"
		2 Span	6'- 1"	5'- 1"	4'- 6"	4'- 1"	3'- 10"	3'- 7"
		3 Span	6'- 0"	4'- 11"	4'- 4"	4'- 0"	3'- 9"	3'- 6"
22 Ga (A606-T4)	L/60	1 Span	7'- 7"	6'- 2"	5'- 5"	4'- 11"	4'- 6" *	4'- 2" *
		2 Span	8'- 6"	6'- 11"	6'- 1"	5'- 7"	5'- 2"	4'- 9" *
		3 Span	8'- 4"	6'- 9"	5'- 11"	5'- 5"	5'- 0" *	4'- 7" *
	L/240	1 Span	4'- 9"	3'- 11"	3'- 5"	3'- 1"	2'- 11"	2'- 9"
		2 Span	5'- 4"	4'- 4"	3'- 10"	3'- 6"	3'- 3"	3'- 1"
		3 Span	5'- 3"	4'- 3"	3'- 9"	3'- 5"	3'- 2"	3'- 0"
18 Ga (A606-T4)	L/60	1 Span	8'- 9"	7'- 2"	6'- 4"	5'- 9"	5'- 4"	5'- 1"
		2 Span	9'- 9"	8'- 0"	7'- 1"	6'- 6"	6'- 0"	5'- 8"
		3 Span	9'- 7"	7'- 10"	6'- 11"	6'- 4"	5'- 11"	5'- 7"
	L/240	1 Span	5'- 6"	4'- 6"	4'- 0"	3'- 8"	3'- 5"	3'- 2"
		2 Span	6'- 2"	5'- 1"	4'- 6"	4'- 1"	3'- 10"	3'- 7"
		3 Span	6'- 0"	4'- 11"	4'- 4"	4'- 0"	3'- 8"	3'- 6"
16 Ga (A606-T4)	L/60	1 Span	9'- 3"	7'- 7"	6'- 9"	6'- 2"	5'- 9"	5'- 5"
		2 Span	10'- 5"	8'- 7"	7'- 7"	6'- 11"	6'- 5"	6'- 1"
		3 Span	10'- 1"	8'- 4"	7'- 5"	6'- 9"	6'- 4"	5'- 11"
	L/240	1 Span	5'- 10"	4'- 10"	4'- 3"	3'- 11"	3'- 7"	3'- 5"
		2 Span	6'- 6"	5'- 5"	4'- 9"	4'- 4"	4'- 1"	3'- 10"
		3 Span	6'- 5"	5'- 3"	4'- 8"	4'- 3"	4'- 0"	3'- 9"



Harvest Panel

Sample Calculation

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

Allowable Span = 3'-7" (20 Ga SS)

GENERAL NOTES

1. An asterix (*) 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 = 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."

CORRUGATED METALS PRODUCTS: Harvest Panel

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

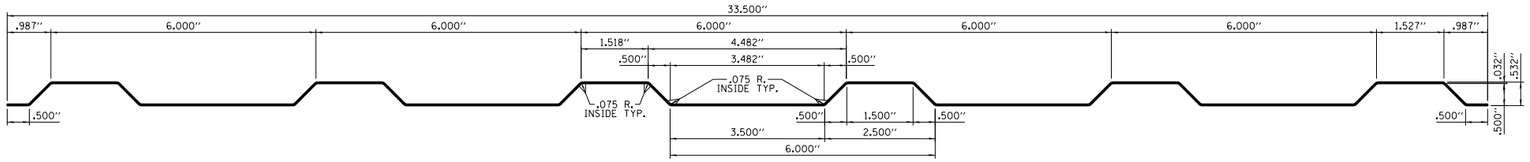
Table 2			Trial Span (ft)									
Allowable Loads			3	4	5	6	7	8	9	10	11	12
Section	Span Limit	Span Type	Allowable Loads (PSF)									
24 Ga SS	L/60	1 Span	66 *	37 *	23 *	15	~~9~~	~~5~~	~~3~~	~~2~~	~~1~~	~~0~~
		2 Span	87 *	48 *	30 *	21 *	13	~~8~~	~~5~~	~~3~~	~~2~~	~~1~~
		3 Span	82 *	46 *	29 *	19 *	12	~~7~~	~~5~~	~~3~~	~~2~~	~~1~~
	L/240	1 Span	31	12	~~5~~	~~2~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
		2 Span	45	18	~~8~~	~~4~~	~~2~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~
		3 Span	42	17	~~8~~	~~4~~	~~2~~	~~1~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
22 Ga SS	L/60	1 Span	76 *	42 *	26 *	17	10	~~6~~	~~4~~	~~2~~	~~1~~	~~1~~
		2 Span	100 *	55 *	35 *	23 *	15	~~9~~	~~6~~	~~4~~	~~2~~	~~1~~
		3 Span	94 *	52 *	33 *	22 *	14	~~9~~	~~6~~	~~4~~	~~2~~	~~1~~
	L/240	1 Span	36	14	~~6~~	~~3~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
		2 Span	52	21	10	~~5~~	~~2~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~
		3 Span	48	19	9	~~4~~	~~2~~	~~1~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
20 Ga SS	L/60	1 Span	97 *	54 *	33 *	22	13	~~8~~	~~5~~	~~3~~	~~2~~	~~1~~
		2 Span	127 *	71 *	44 *	30 *	20	12	~~8~~	~~5~~	~~3~~	~~2~~
		3 Span	120 *	67 *	42 *	28 *	18	11	~~7~~	~~5~~	~~3~~	~~2~~
	L/240	1 Span	47	18	~~8~~	~~4~~	~~2~~	~~0~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
		2 Span	67	27	13	~~6~~	~~3~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~
		3 Span	62	25	12	~~6~~	~~3~~	~~1~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
18 Ga SS	L/60	1 Span	120 *	66 *	42 *	28	17	10	~~6~~	~~4~~	~~2~~	~~1~~
		2 Span	158 *	88 *	55 *	37 *	25	16	10	~~7~~	~~4~~	~~3~~
		3 Span	149 *	83 *	52 *	35 *	23	14	~~9~~	~~6~~	~~4~~	~~2~~
	L/240	1 Span	59	23	11	~~5~~	~~2~~	~~1~~	~~0~~	~~-1~~	~~-1~~	~~-2~~
		2 Span	84	34	16	~~8~~	~~4~~	~~2~~	~~1~~	~~0~~	~~-1~~	~~-1~~
		3 Span	78	31	15	~~7~~	~~4~~	~~2~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
16 Ga SS	L/60	1 Span	147 *	81 *	51 *	34 *	21	13	~~8~~	~~5~~	~~3~~	~~2~~
		2 Span	193 *	107 *	67 *	46 *	31	20	13	~~8~~	~~6~~	~~4~~
		3 Span	183 *	101 *	64 *	43 *	28	18	12	~~8~~	~~5~~	~~3~~
	L/240	1 Span	73	29	13	~~6~~	~~3~~	~~1~~	~~0~~	~~-1~~	~~-2~~	~~-2~~
		2 Span	105	42	20	10	~~5~~	~~2~~	~~1~~	~~0~~	~~-1~~	~~-2~~
		3 Span	97	39	18	~~9~~	~~5~~	~~2~~	~~1~~	~~-1~~	~~-1~~	~~-2~~
22 Ga (A606-T4)	L/60	1 Span	115 *	64 *	38	21	13	~~8~~	~~5~~	~~3~~	~~2~~	~~1~~
		2 Span	150 *	84 *	53 *	31	19	12	~~8~~	~~5~~	~~3~~	~~2~~
		3 Span	142 *	79 *	50 *	28	17	11	~~7~~	~~5~~	~~3~~	~~2~~
	L/240	1 Span	44	18	~~8~~	~~4~~	~~2~~	~~1~~	~~0~~	~~-1~~	~~-1~~	~~-1~~
		2 Span	63	26	12	~~6~~	~~3~~	~~2~~	~~1~~	~~0~~	~~-1~~	~~-1~~
		3 Span	59	24	11	~~6~~	~~3~~	~~1~~	~~0~~	~~0~~	~~-1~~	~~-1~~
18 Ga (A606-T4)	L/60	1 Span	181 *	101 *	62	35	21	13	~~8~~	~~5~~	~~3~~	~~2~~
		2 Span	238 *	133 *	84 *	50	31	20	13	~~9~~	~~6~~	~~4~~
		3 Span	225 *	126 *	79 *	46	28	18	12	~~8~~	~~5~~	~~3~~
	L/240	1 Span	72	29	13	~~7~~	~~3~~	~~1~~	~~0~~	~~-1~~	~~-1~~	~~-2~~
		2 Span	103	42	20	11	~~6~~	~~3~~	~~1~~	~~0~~	~~-1~~	~~-1~~
		3 Span	95	39	19	10	~~5~~	~~2~~	~~1~~	~~0~~	~~-1~~	~~-1~~
16 Ga (A606-T4)	L/60	1 Span	222 *	123 *	77	43	26	16	11	~~7~~	~~4~~	~~3~~
		2 Span	291 *	162 *	103 *	63	38	25	16	11	~~7~~	~~5~~
		3 Span	275 *	154 *	97 *	58	35	23	15	10	~~7~~	~~4~~
	L/240	1 Span	90	36	17	~~8~~	~~4~~	~~2~~	~~0~~	~~-1~~	~~-1~~	~~-2~~
		2 Span	128	52	25	13	~~7~~	~~4~~	~~2~~	~~0~~	~~-1~~	~~-1~~
		3 Span	119	48	23	12	~~6~~	~~3~~	~~1~~	~~0~~	~~-1~~	~~-1~~

GENERAL NOTES

1. An asterix (*) 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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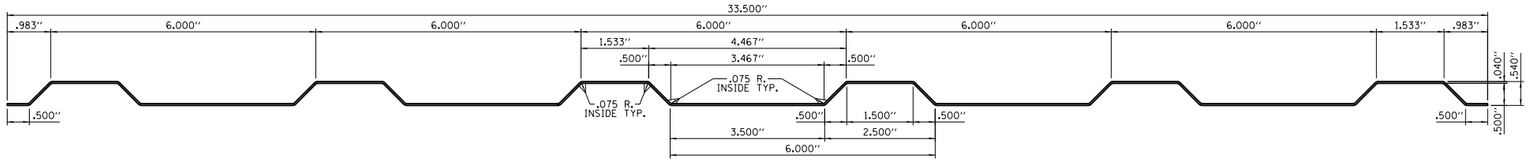

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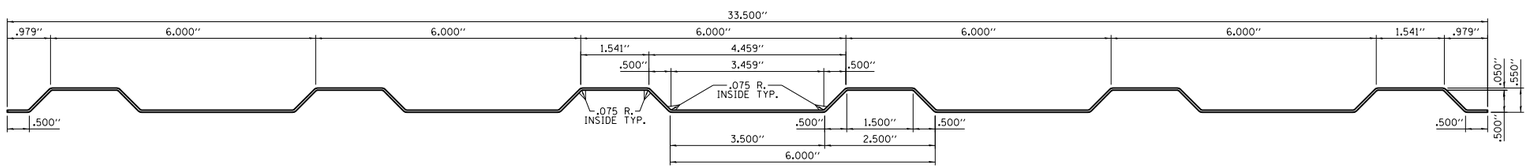

0.050 GA.

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ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM #184.000918

CORRUGATED METALS, INC.
6550 REVLON DRIVE
BELVIDERE, ILLINOIS 61008

HARVEST PROFILE DRAWING – 0.032, 0.040 & 0.050 GA. ALUM.

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- ☐ _____

WHA No. 1194D13

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TOTAL No. 3

SHEET No. 1

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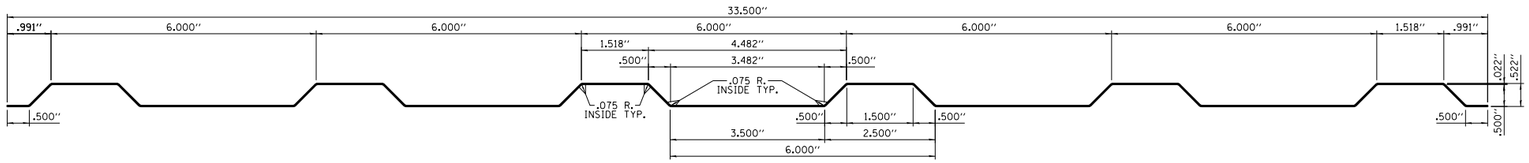
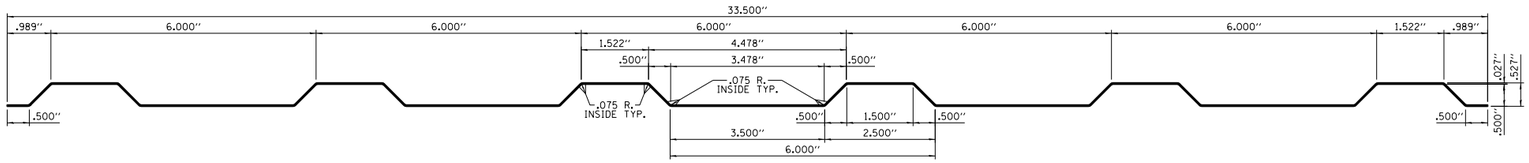


26 GA. - STEEL ONLY



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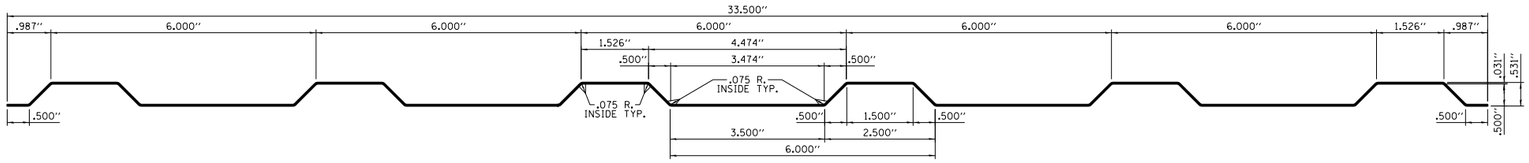

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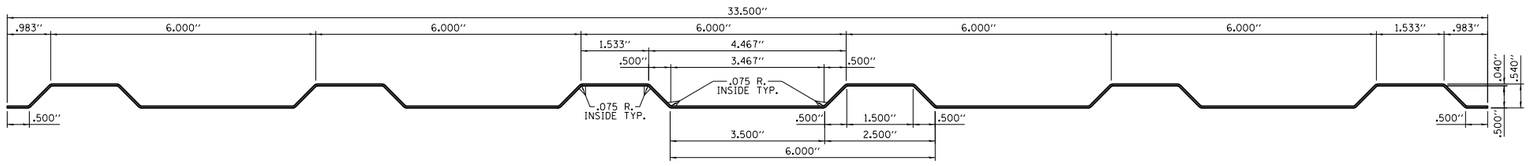

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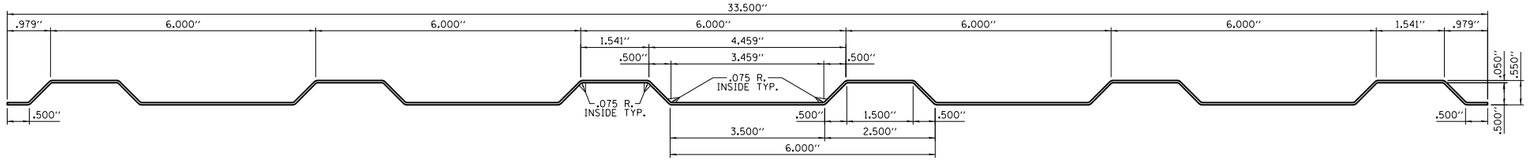

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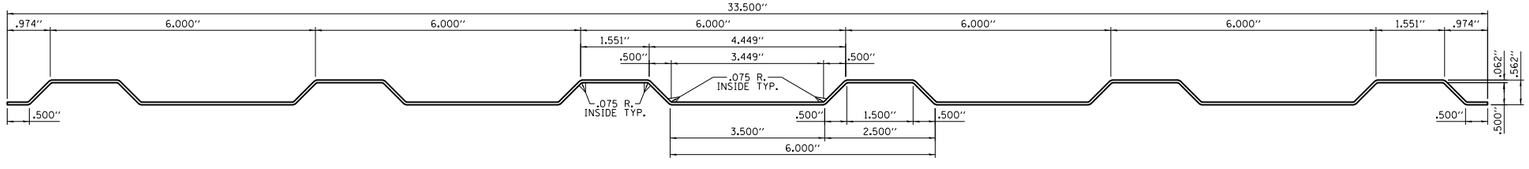

16 GA.

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ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM #184.000918

CORRUGATED METALS, INC.
6550 REVLON DRIVE
BELVIDERE, ILLINOIS 61008
HARVEST PROFILE DRAWING 16 – 26 GA. STEEL & STAINLESS STEEL

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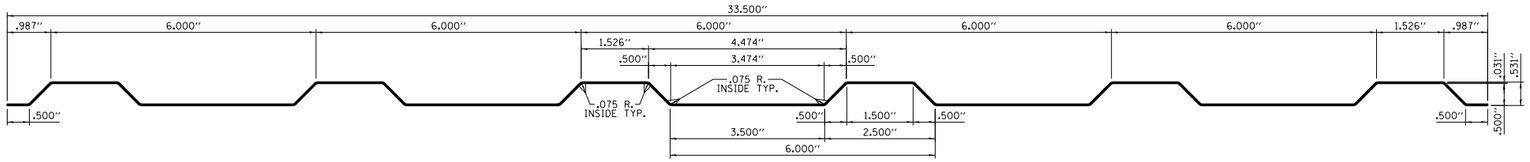

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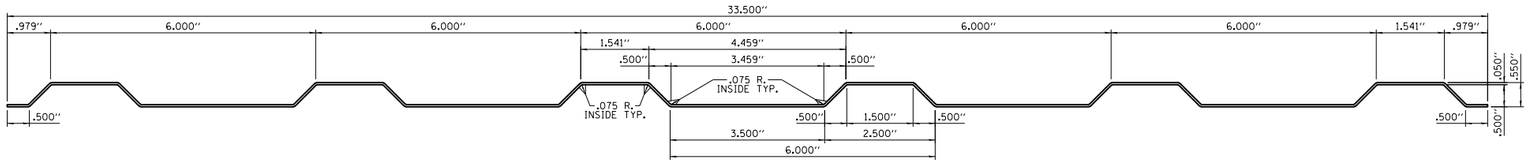

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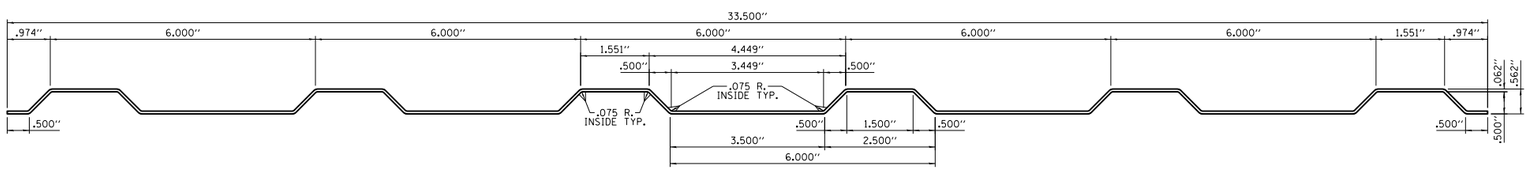

16 GA.

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809 EAST 2ND STREET, DIXON, IL 61021-0367
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CORRUGATED METALS, INC.
6550 REVLON DRIVE
BELVIDERE, ILLINOIS 61008

HARVEST PROFILE DRAWING – 16,18 & 22 GA. HIGH STRENGTH STEEL

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