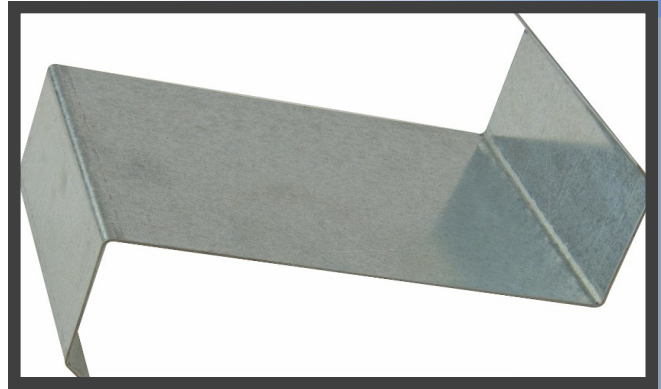




**2994 SCHMIDT LANE
HUBBARD, OR 97032**



THE PURLIN MILL located in the Pacific Northwest is a producer of secondary structural components for the pre-engineered steel building market. The Purlin Mill facility is a 17,000 sq. ft. production building housing a 162' automated Mark II roll forming line.

The MARK II roll forming line produces 4" to 14" ZEEs, CEEs, Struts, Channels and Standing Seam Roof as well as various sizes of angles.

Each piece of product is inkjet printed with the job number and piece mark for quick on the job identification.

The state-of-the-art computer efficiency of the roll forming line allows for precision hole punching from customer supplied punch charts, assuring you the most economical product with the latest in technological accuracy.

Our galvanized secondary C's, Z's and structural members are ASTM A653, G90, Grade 55 Modified and Anti-Finger Print (acrylic dry). They are non-skin passed, with regular spangle, a mechanical yield of 72 KSI maximum and a thickness tolerance of $-0\text{mm} + .05\text{mm}$.

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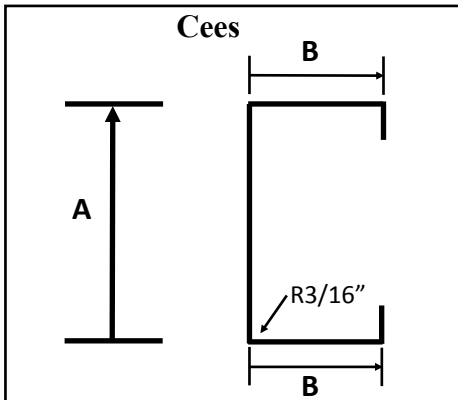
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Note: 7 to 10 Day Lead Times are normal—Contact The Purlin Mill Representative at time of quote or purchase.

Sectional Properties



TOLERANCE STANDARDS FOR THICKEST METALS

Accumulation	(±) 1/16 in
Radii	(±) 1/32 in
Width	(±) 1/16 in
Flanges	(±) 1/16 in
Flare	2x THK per side angles
Flange	(±) 2 degrees
Lips	(±) 3 degrees
Camber	1/8 in in 10 ft.
Ski	1/8 in in 10 ft.
Dive	1/8 in in 10 ft.
Twist	1/8 in in 10 ft.
(Zee Only)	1/4 in in 20 ft.
Net variation for combined dimensions	
Twist is measured with the zee laying on a flat surface under its own weight	

Available Sizes

Part A	Part B	Part B	Available Gauges	Finish	Weight Per LF
4"	2-1/2"	2-1/2"	14G and 16G	Galvanized	14G=2.55 lbs. 16G=2.04 lbs.
6"	2-1/2"	2-1/2"	12G, 14G and 16G	Galvanized	12G=4.29 lbs. 14G=3.06 lbs. 16G=2.45 lbs.
8"	2-1/2"	2-1/2"	12G, 14G and 16G	Galvanized	12G=5.05 lbs. 14G=3.60 lbs. 16G=2.88 lbs.
10"	3"	3"	12G, 14G and 16G	Galvanized	12G=6.12 lbs. 14G=4.37 lbs. 16G=3.50 lbs.
12"	3"	3"	12G and 14G	Galvanized	12G=6.83 lbs. 14G=4.88 lbs.
14"	3"	3"	12G and 14G	Galvanized	12G=7.55 lbs. 14G=5.39 lbs.

Sectional Properties

Name	Depth	Width	Thk	Lip	Rad	Area	Wt.	Ixx	Sxx	Rxx	Iyy	Syy	Ryy	j	Cw	Ro	Xo
	in	in	in	in	in	in ²	lb/ft	in ⁴	in ³	in	in ⁴	in ³	in	in ⁴	in ⁶	in	in
4c16	4	2.5	.06	.81	.1875	.6	2.04	1.59	.795	1.628	0.543	0.353	0.957	0.00070	2.4	2.94	-2.25
4c14	4	2.5	.075	.84	.1875	.75	2.55	1.964	.982	1.618	0.685	0.447	0.955	0.00141	3.09	2.94	-2.26
6c16	6	2.5	0.06	0.81	0.1875	0.72	2.45	4.055	1.352	2.373	0.636	0.375	0.94	0.00086	5.28	3.23	-1.98
6c14	6	2.5	0.075	0.84	0.1875	0.9	3.06	5.031	1.677	2.364	0.793	0.471	0.939	0.00169	6.65	3.23	-1.98
6c12	6	2.5	0.105	0.92	0.1875	1.26	4.29	6.936	2.312	2.346	1.104	0.663	0.936	0.00463	9.49	3.22	-2
8c16	8	2.5	0.06	0.87	0.1875	0.847	2.88	8.035	2.009	3.079	0.721	0.403	0.922	0.00102	10.12	3.69	-1.8
8c14	8	2.5	0.075	0.91	0.1875	1.059	3.60	9.99	2.498	3.071	0.9	0.505	0.921	0.00199	12.72	3.68	-1.81
8c12	8	2.5	0.105	0.98	0.1875	1.483	5.05	13.833	3.458	3.054	1.253	0.711	0.919	0.00545	17.99	3.67	-1.82
10c16	10	3	0.06	0.87	0.1875	1.028	3.50	15.158	3.032	3.841	1.193	0.54	1.078	0.00123	24.86	4.48	-2.04
10c14	10	3	0.075	0.91	0.1875	1.284	4.37	18.874	3.775	3.833	1.49	0.678	1.077	0.00241	31.22	4.48	-2.04
10c12	10	3	0.105	0.98	0.1875	1.798	6.12	26.213	5.243	3.818	2.083	0.955	1.076	0.00661	44.1	4.47	-2.06
12c14	12	3	0.075	0.91	0.1875	1.434	4.88	29.15	4.858	4.508	1.569	0.688	1.046	0.00269	46.6	5	-1.88
12c12	12	3	0.105	0.98	0.1875	2.008	6.83	40.554	6.759	4.494	2.193	0.971	1.045	0.00738	65.68	4.99	-1.9
14c14	14	3	.075	.91	.1875	1.584	5.39	41.042	5.673								
14c12	14	3	.105	.98	.1875	2.218	7.55	58.913	8.416								

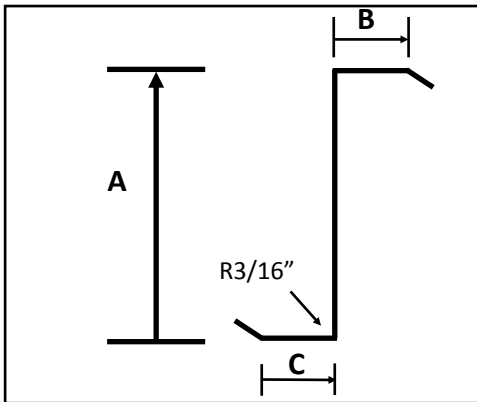
* Thickness indicated represents design thickness. Minimum deliverable bare steel thickness equals 0.095 x design thickness in accordance with section A3.4 of AISI Specifications of minimum steel thickness in inches.

Sectional Properties



Zees

Available Sizes



TOLERANCE STANDARDS FOR THICKEST METALS

Accumulation	.....	(±) 1/16 in
Radii	.....	(±) 1/32 in
Width	.....	(±) 1/16 in
Flanges	.....	(±) 1/16 in
Flare	.....	2x THK per side angles
Flange	.....	(±) 2 degrees
Lips	.....	(±) 3 degrees
Camber	.....	1/8 in in 10 ft.
Ski	.....	1/8 in in 10 ft.
Dive	.....	1/8 in in 10 ft.
Twist	.....	1/8 in in 10 ft.
(Zee Only)	.....	1/4 in in 20 ft.

Net variation for combined dimensions
Twist is measured with the zee laying on a flat surface under its own weight

Part A	Part B	Part C	Available Gauges	Finish	Weight Per LF
4"	2-1/2"	2-1/2"	14G and 16G	Galvanized	14G=2.55 lbs. 16G=2.04 lbs.
6"	2-1/2"	2-1/2"	12G, 14G and 16G	Galvanized	12G=4.29 lbs. 14G=3.06 lbs. 16G=2.45 lbs.
8"	2-1/2"	2-1/2"	12G, 14G and 16G	Galvanized	12G=5.05 lbs. 14G=3.60 lbs. 16G=2.88 lbs.
10"	3"	3"	12G, 14G and 16G	Galvanized	12G=6.12 lbs. 14G=4.37 lbs. 16G=3.50 lbs.
12"	3"	3"	12G and 14G	Galvanized	12G=6.83 lbs. 14G=4.88 lbs.
14"	3"	3"	12G and 14G	Galvanized	12G=7.55 lbs. 14G=5.39 lbs.

Sectional Properties

Name	Depth	WTp	Wbt	Thk	Lip	Rad	Deg	Area	Wt	Yb	Ixx	SxTop	SxBot	Rxx	Iyct	Iycb	Syy	Ryy
	in	in	in	in	in	in2	deg	in2	lb/ft	in	in4	in3	in3	in	in4	in4	in3	in
4z16	4	2.5	2.5	0.06	0.69	0.1875	50	0.6	2.04	2	1.620	0.810	0.810	1.653	0.577	0.577	0.396	1.395
4z14	4	2.5	2.5	0.075	0.72	0.1875	50	0.75	2.55	2	2.029	1.014	1.014	1.645	0.736	0.736	0.503	1.401
6z16	6	2.5	2.5	0.06	0.94	0.188	50	0.72	2.45	3	4.035	1.345	1.345	2.367	0.563	0.563	0.4	1.25
6z14	6	2.5	2.5	0.075	0.97	0.188	50	0.9	3.06	3	5.011	1.67	1.67	2.36	0.709	0.709	0.5	1.255
6z12	6	2.5	2.5	0.105	0.77	0.188	50	1.26	4.29	3	7.108	2.369	2.369	2.375	1.047	1.047	0.71	1.289
8z16	8	2.5	2.5	0.06	0.76	0.188	50	0.847	2.88	4	8.156	2.039	2.039	3.102	0.616	0.616	0.42	1.206
8z14	8	2.5	2.5	0.075	0.78	0.188	50	1.059	3.60	4	10.153	2.538	2.538	3.096	0.776	0.776	0.52	1.21
8z12	8	2.5	2.5	0.105	0.83	0.188	50	1.483	5.05	4	14.097	3.524	3.524	3.083	1.103	1.103	0.74	1.22
10z16	10	3	3	0.06	0.88	0.188	50	1.028	3.50	5	15.225	3.045	3.045	3.849	0.953	0.953	0.56	1.362
10z14	10	3	3	0.075	0.91	0.188	50	1.284	4.37	5	18.972	3.794	3.794	3.843	1.199	1.199	0.7	1.366
10z12	10	3	3	0.105	0.96	0.188	50	1.798	6.12	5	26.387	5.277	5.277	3.831	1.7	1.7	0.99	1.375
12z14	12	3	3	0.075	0.91	0.188	50	1.434	4.88	6	29.266	4.878	4.878	4.517	1.199	1.199	0.7	1.293
12z12	12	3	3	0.105	0.96	0.188	50	2.008	6.83	6	40.765	6.794	6.794	4.506	1.7	1.7	0.99	1.301
14z14	14	3	3	0.075	0.91	0.1875	50	1.584	5.39	7	42.43	6.061						
14z12	14	3	3	0.105	0.96	0.1875	50	2.218	7.55	7	59.159	8.451						

* Thickness indicated represents design thickness. Minimum deliverable bare steel thickness equals 0.095 x design thickness in accordance with section A3.4 of AISI Specifications of minimum steel thickness in inches.

Allowable Loads



4" Zees/Cees

Gauge	Lap	Vertical Load (Down)	Wind Suction Load	Span	Span Condition
Thickness	In Feet	LB/FT	LB/FT	In Feet	
16	0	145	-110	10	Simple
16	1'-1"	150	-125	10	Double
16	1'-1"	145	-120	10	Triple
16	0	40	-45	15	Simple
16	1'-1"	45	-45	15	Double
16	1'-1"	40	-45	15	Triple
14	0	200	-160	10	Simple
14	1'-1"	205	-175	10	Double
14	1'-1"	195	-175	10	Triple
14	0	50	-55	15	Simple
14	1'-1"	55	-65	15	Double
14	1'-1"	55	-60	15	Triple

* Thickness indicated represents design thickness. Minimum deliverable bare steel thickness equals 0.095 x design thickness in accordance with section A3.4 of AISI Specifications of minimum steel thickness in inches.

Allowable Loads



6" Zees/Cees

Gauge	Lap	Vertical Load (Down)	Wind Suction Load	Span	Span Condition
Thickness	In Feet	LB/FT	LB/FT	In Feet	
16	0	110	-95	15	Simple
16	1'-1"	150	-140	15	Double
16	2'-1"	200	-175	15	Double
16	1'-1"	170	-150	15	Triple
16	2'-1"	175	-150	15	Triple
16	0	45	-52	20	Simple
16	1'-1"	75	-70	20	Double
16	2'-1"	100	-90	20	Double
16	1'-1"	90	-80	20	Triple
16	2'-1"	95	-80	20	Triple
14	0	145	-125	15	Simple
14	1'-1"	205	-190	15	Double
14	2'-1"	270	-225	15	Double
14	1'-1"	230	-190	15	Triple
14	2'-1"	240	-200	15	Triple
14	0	60	-70	20	Simple
14	1'-1"	105	-95	20	Double
14	2'-1"	135	-125	20	Double
14	1'-1"	115	-105	20	Triple
14	2'-1"	118	-110	20	Triple

* Thickness indicated represents design thickness. Minimum deliverable bare steel thickness equals 0.095 x design thickness in accordance with section A3.4 of AISI Specifications of minimum steel thickness in inches.

Allowable Loads



8" Zees/Cees

Gauge	Lap	Vertical Load (Down)	Wind Suction Load	Span	Span Condition
Thickness	In Feet	LB/FT	LB/FT	In Feet	
16	0	80	-70	20	Simple
16	2'-1"	135	-120	20	Double
16	3'-1"	147	-135	20	Double
16	4'-1"	144	-132	20	Double
16	2'-1"	125	-115	20	Triple
16	3'-1"	130	-117	20	Triple
16	4'-1"	130	-117	20	Triple
16	0	47	-42	25	Simple
16	2'-1"	75	-70	25	Double
16	3'-1"	90	-85	25	Double
16	4'-1"	90	-85	25	Double
16	2'-1"	80	-72	25	Triple
16	3'-1"	80	-72	25	Triple
16	4'-1"	80	-72	25	Triple
14	0	110	-95	20	Simple
14	2'-1"	185	-170	20	Double
14	3'-1"	197	-180	20	Double
14	4'-1"	197	-180	20	Double
14	2'-1"	175	-150	20	Triple
14	3'-1"	180	-155	20	Triple
14	4'-1"	180	-155	20	Triple
14	0	60	-55	25	Simple
14	2'-1"	105	-95	25	Double
14	3'-1"	125	-115	25	Double
14	4'-1"	125	-115	25	Double
14	2'-1"	110	-95	25	Triple
14	3'-1"	110	-95	25	Triple
14	4'-1"	110	-95	25	Triple
12	0	170	-135	20	Simple
12	2'-1"	300	-270	20	Double
12	3'-1"	325	-280	20	Double
12	4'-1"	325	-280	20	Double
12	2'-1"	285	-235	20	Triple
12	3'-1"	285	-235	20	Triple
12	4'-1"	285	-235	20	Triple
12	0	85	-85	25	Simple
12	2'-1"	165	-155	25	Double
12	3'-1"	205	-175	25	Double
12	4'-1"	205	-175	25	Double
12	2'-1"	165	-145	25	Triple
12	3'-1"	170	-150	25	Triple
12	4'-1"	170	-150	25	Triple

Allowable Loads



10" Zees/Cees

Gauge	Lap	Vertical Load (Down)	Wind Suction Load	Span	Span Condition
Thickness	In Feet	LB/FT	LB/FT	In Feet	
16	0	67	-55	25	Simple
16	3'-1"	112	-110	25	Double
16	4'-1"	125	-115	25	Double
16	3'-1"	110	-97	25	Triple
16	4'-1"	110	-97	25	Triple
16	0	46	-44	30	Simple
16	3'-1"	77	-73	30	Double
16	4'-1"	85	-82	30	Double
16	3'-1"	75	-75	30	Triple
16	4'-1"	75	-75	30	Triple
14	0	95	-73	25	Simple
14	3'-1"	180	-162	25	Double
14	4'-1"	175	-162	25	Double
14	3'-1"	150	-140	25	Triple
14	4'-1"	150	-140	25	Triple
14	0	64	-58	30	Simple
14	3'-1"	110	-102	30	Double
14	4'-1"	120	-115	30	Double
14	3'-1"	105	-97	30	Triple
14	4'-1"	107	-97	30	Triple
14	0	40	-42	35	Simple
14	3'-1"	72	-65	35	Double
14	4'-1"	85	-80	35	Double
14	3'-1"	77	-70	35	Triple
14	4'-1"	77	-70	35	Triple
12	0	157	-99	25	Simple
12	3'-1"	285	-255	25	Double
12	4'-1"	285	-255	25	Double
12	3'-1"	255	-215	25	Triple
12	4'-1"	255	-220	25	Triple
12	0	106	-83	30	Simple
12	3'-1"	180	-170	30	Double
12	4'-1"	200	-170	30	Double
12	3'-1"	175	-150	30	Triple
12	4'-1"	176	-151	30	Triple
12	0	55	-75	35	Simple
12	3'-1"	120	-110	35	Double
12	4'-1"	140	-127	35	Double
12	3'-1"	110	-114	35	Triple
12	4'-1"	110	-114	35	Triple

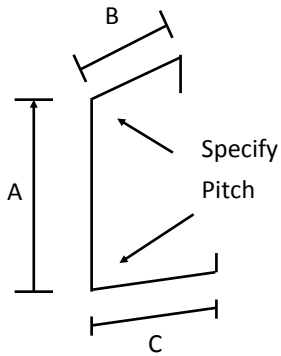
Allowable Loads



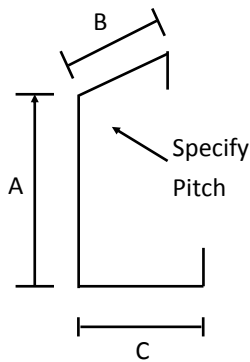
12" Zees/Cees

Gauge	Lap	Vertical Load (Down)	Wind Suction Load	Span	Span Condition
Thickness	In Feet	LB/FT	LB/FT	In Feet	
14	0	80	-70	30	Simple
14	3'-1"	135	-125	30	Double
14	4'-1"	14	-137	30	Triple
14	0	57	-40	35	Simple
14	3'-1"	90	-82	35	Double
14	4'-1"	105	-97	35	Double
14	3'-1"	93	-90	35	Triple
14	4'-1"	95	-90	35	Triple
14	0	40	-40	40	Simple
14	3'-1"	65	-60	40	Double
14	4'-1"	75	-67	40	Double
14	3'-1"	70	-70	40	Triple
14	4'-1"	70	-70	40	Triple
12	0	130	-105	30	Simple
12	3'-1"	220	-205	30	Double
12	4'-1"	245	-225	30	Double
12	3'-1"	212	-190	30	Triple
12	4'-1"	212	-190	30	Triple
12	0	85	-60	35	Simple
12	3'-1"	145	-140	35	Double
12	4'-1"	175	-165	35	Double
12	3'-1"	155	-140	35	Triple
12	4'-1"	155	-140	35	Triple
12	0	55	-60	40	Simple
12	3'-1"	105	-100	40	Double
12	4'-1"	120	-112	40	Double
12	3'-1"	115	-105	40	Triple
12	4'-1"	115	-105	40	Triple

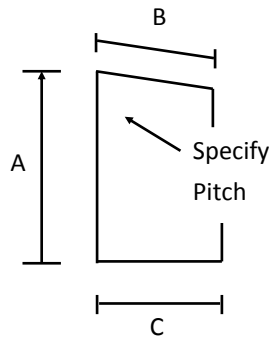
Eave Struts



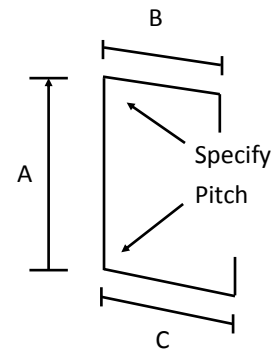
**Low Eave-
Double Slope**



**Low Eave-
Single Slope**



**High Eave-
Single Slope**



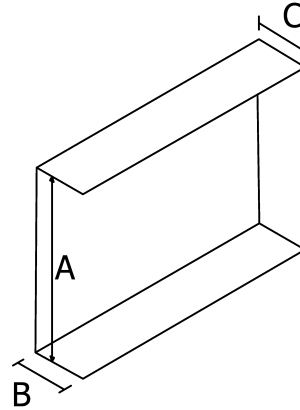
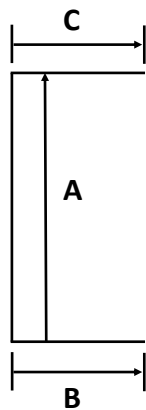
**High Eave-
Double Slope**

Part Description	Gauges	Weight Per LF.	Finish	Dimension	Dimension	Dimension	Coil Width
				A	B	C	
8" x 2-1/2" x 2-1/2"	16	2.88	Galvanized	8"	2 1/2"	2 1/2"	14.125"
	14	3.60	Galvanized	8"	2 1/2"	2 1/2"	14.125"
	12	5.05	Galvanized	8"	2 1/2"	2 1/2"	14.125"
8" x 3" x 5"	16	3.50	Galvanized	8"	3"	5"	17.125"
	14	4.37	Galvanized	8"	3"	5"	17.125"
	12	6.12	Galvanized	8"	3"	5"	17.125"
8" x 5" x 5"	14	4.88	Galvanized	8"	5"	5"	19.125"
	12	6.83	Galvanized	8"	5"	5"	19.125"
10" x 3" x 3"	16	3.50	Galvanized	10"	3"	3"	17.125"
	14	4.37	Galvanized	10"	3"	3"	17.125"
	12	6.12	Galvanized	10"	3"	3"	17.125"
10" x 3" x 5"	14	4.88	Galvanized	10"	3"	5"	19.125"
	12	6.83	Galvanized	10"	3"	5"	19.125"
12" x 3" x 3"	14	4.88	Galvanized	12"	3"	3"	19.125"
	12	6.83	Galvanized	12"	3"	3"	19.125"
12" x 3" x 5"	14	5.39	Galvanized	12"	3"	5"	21.125"
	12	7.55	Galvanized	12"	3"	5"	21.125"
14" x 3" x 3"	14	5.39	Galvanized	14"	3"	3"	21.125"
	12	7.55	Galvanized	14"	3"	3"	21.125"
14" x 3" x 5"	14	5.89	Galvanized	14"	3"	5"	23.125"
	12	8.27	Galvanized	14"	3"	5"	23.125"

Available pitches: 1:12, 2:12, 3:12 & 4:12.

* Thickness indicated represents design thickness. Minimum deliverable bare steel thickness equals 0.095 x design thickness in accordance with section A3.4 of AISI Specifications of minimum steel thickness in inches.

Open Track



Part Description	Gauge	Weight per LF.	Finish	Dimension A	Dimension B	Dimension C	Coil Width
4-1/8" x 2"	16	1.63	Galvanized	4-1/8"	2"	2"	8"
4-1/8" x 2"	14	2.04	Galvanized	4-1/8"	2"	2"	8"
4-1/8" x 3"	12	3.57	Galvanized	4-1/8"	3"	3"	10"
6-1/8" x 2"	16	2.04	Galvanized	6-1/8"	2"	2"	10"
6-1/8" x 2"	14	2.55	Galvanized	6-1/8"	2"	2"	10"
6-1/8" x 2"	12	3.57	Galvanized	6-1/8"	2"	2"	10"
8-1/8" x 2"	16	2.45	Galvanized	8-1/8"	2"	2"	12"
8-1/8" x 2"	14	3.06	Galvanized	8-1/8"	2"	2"	12"
8-1/8" x 2"	12	4.29	Galvanized	8-1/8"	2"	2"	12"
10-1/8" x 2"	16	2.88	Galvanized	10-1/8"	2"	2"	14.125"
10-1/8" x 2"	14	3.60	Galvanized	10-1/8"	2"	2"	14.125"
10-1/8" x 2"	12	5.05	Galvanized	10-1/8"	2"	2"	14.125"
12-1/8" x 2-9/16"	16	3.50	Galvanized	12-1/8"	2-9/16"	2-9/16"	17.125"
12-1/8" x 2-9/16"	14	4.37	Galvanized	12-1/8"	2-9/16"	2-9/16"	17.125"
12-1/8" x 2-9/16"	12	6.12	Galvanized	12-1/8"	2-9/16"	2-9/16"	17.125"
14-1/8" x 2-9/16"	14	4.88	Galvanized	14-1/8"	2-9/16"	2-9/16"	19.125"
14-1/8" x 2-9/16"	12	6.83	Galvanized	14-1/8"	2-9/16"	2-9/16"	19.125"

* Thickness indicated represents design thickness. Minimum deliverable bare steel thickness equals 0.095 x design thickness in accordance with section A3.4 of AISI Specifications of minimum steel thickness in inches.

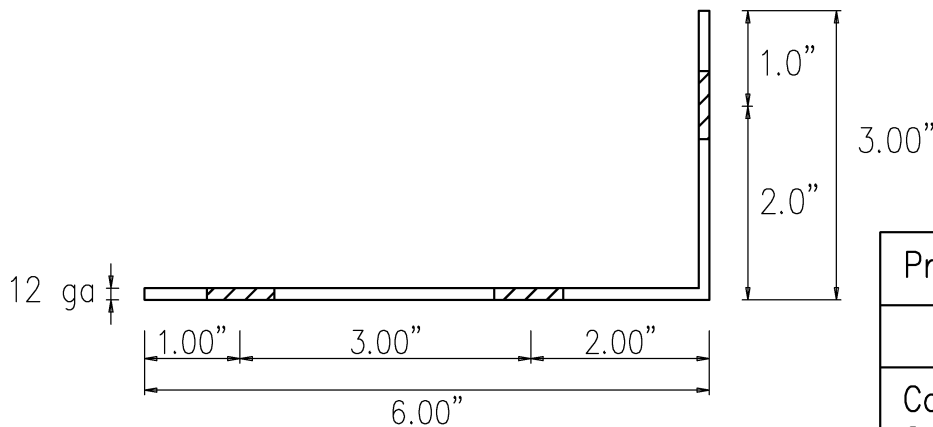
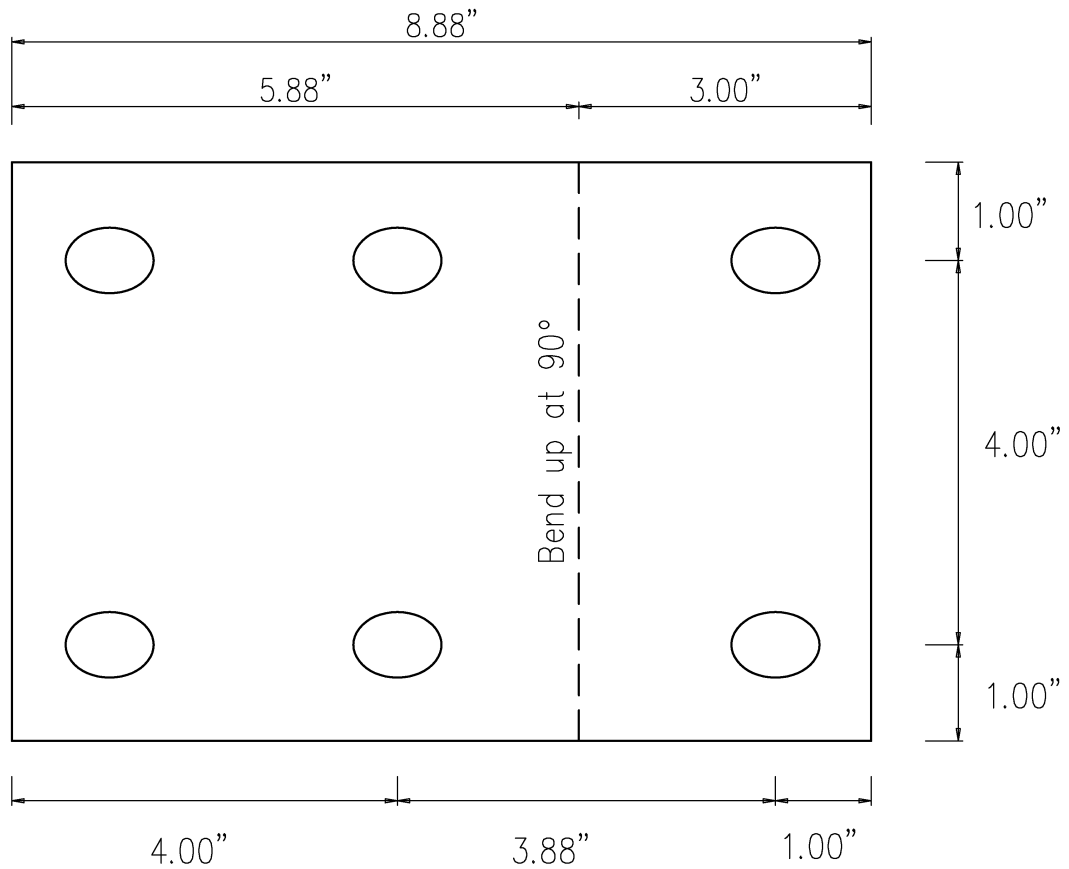
Plate AL-1



(6) .625" x 1.00" Slot

Job No. _____

Part No. AL-1



Program#
--
Color: Galvanized
Gauge: 12
Stock: 6"
Length: 8.88"
QTY:



Plate AL-1

Production Date:

Drawing By:

Promise Date:

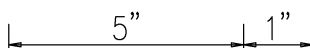
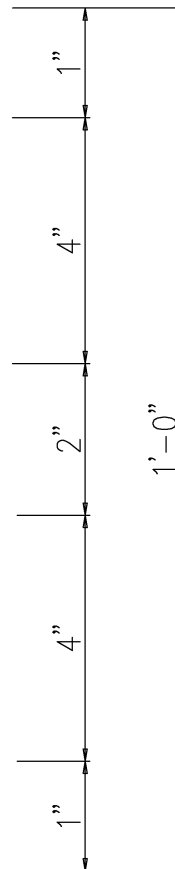
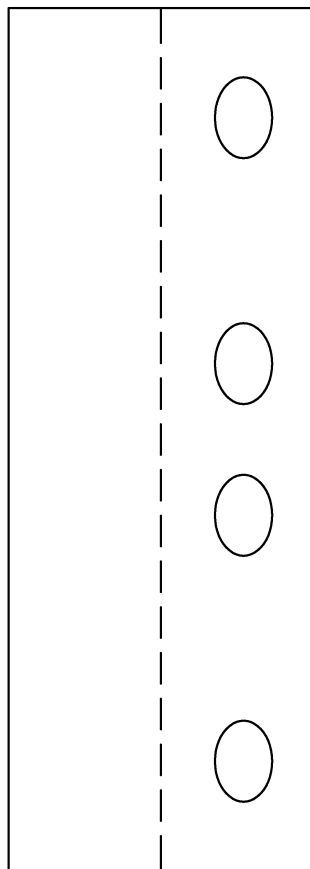
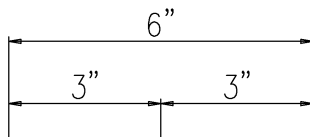
Checked By:

Jamb / Eave Clip AL-2

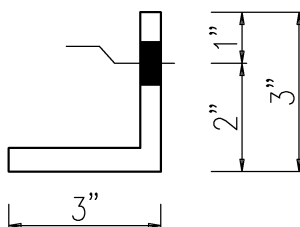


Job No. _____

Part No. AL-2



5/8" X 1" Slots



Program#
--
Color: Galvanized
Gauge: 12
Stock: 6"
Length: 1'-0"
QTY:



Jamb/Eave Clip AL-2

Production Date:

Drawing By:

Promise Date:

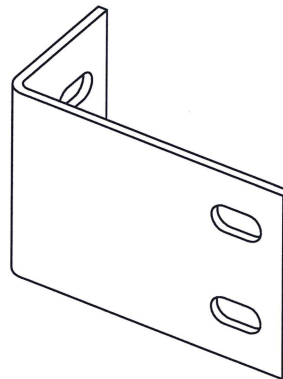
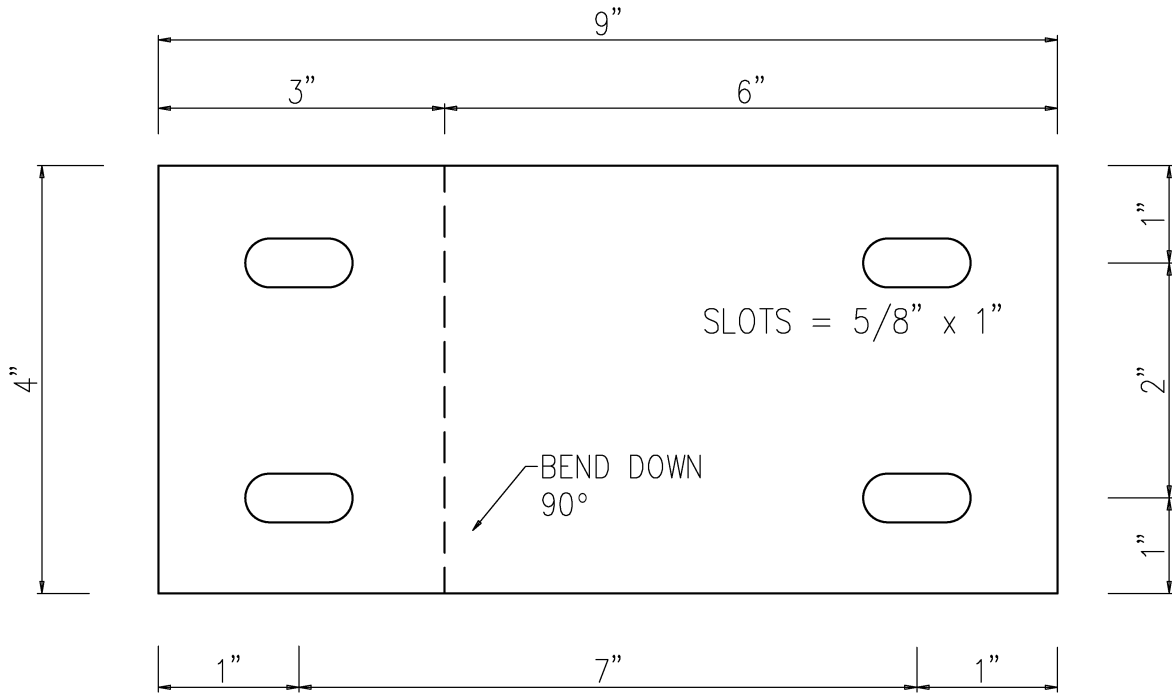
Checked By:

Blocking Clip



Job No. _____

Part No. DL-04



ALL BENDS ARE 90°
UNLESS NOTED

Program#

Color: Galvanized
Gauge: 12
Stock: 9"
Length: 4"
QTY:



Blocking Clip

Production Date:

Drawing By:

Promise Date:

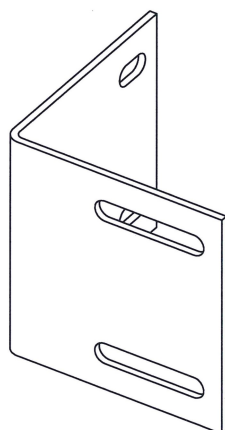
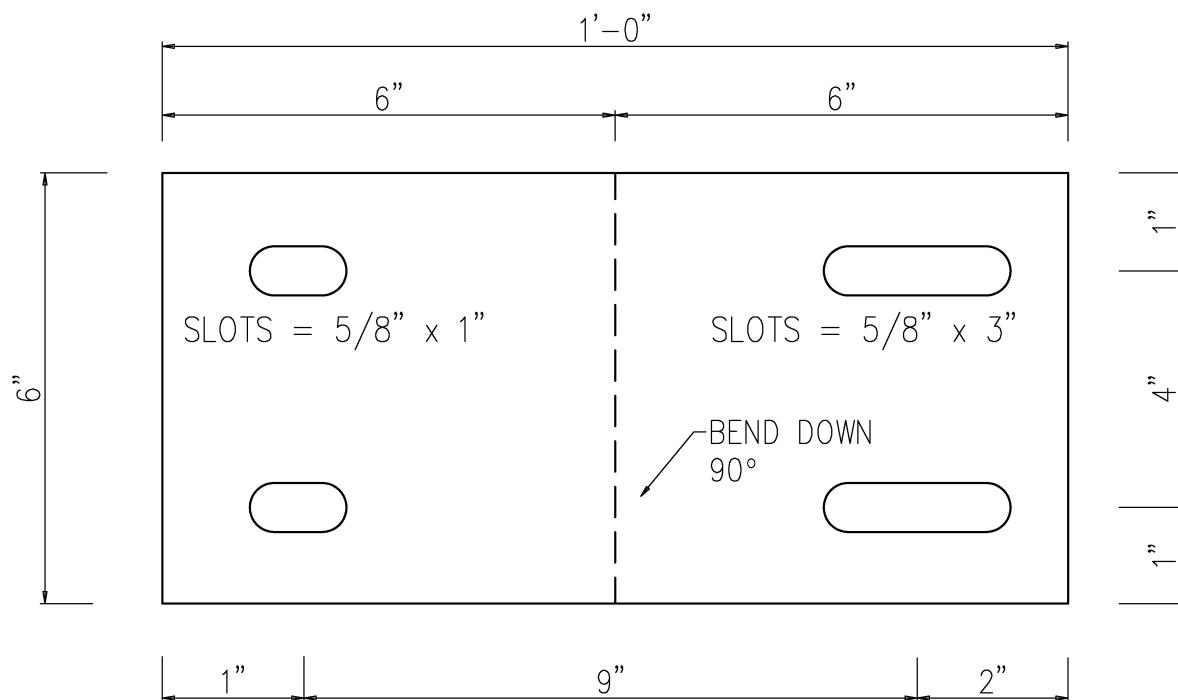
Checked By:

Stack Door Adjustable Clip



Job No. _____

Part No. DL-06



ALL BENDS ARE 90°
UNLESS NOTED

Program#
--
Color: Galvanized
Gauge: 12
Stock: 9"
Length: 4"
QTY:



Stack Door Adjustable Clip

Production Date:

Drawing By:

Promise Date:

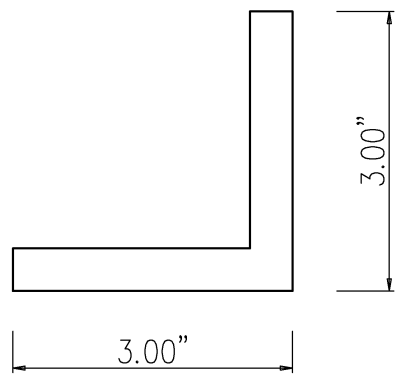
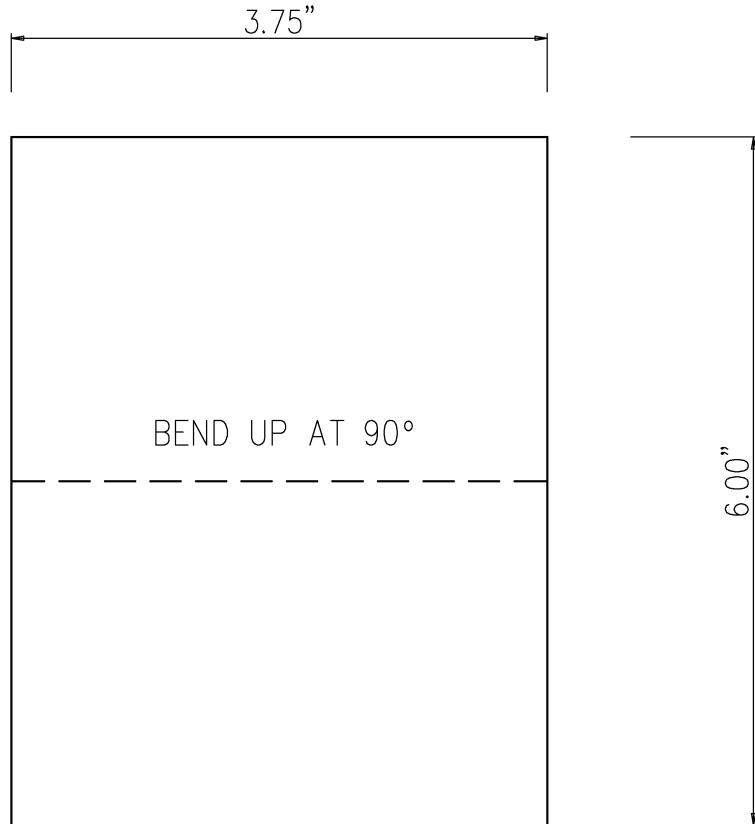
Checked By:

3" x 3" 3-3/4"

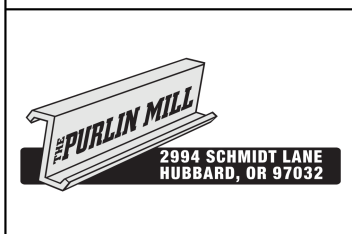


Job No. _____

Part No. 1030



Program#
--
Color: Galvanized
Gauge: 14
Stock: 6"
Length: 3.75"
QTY:

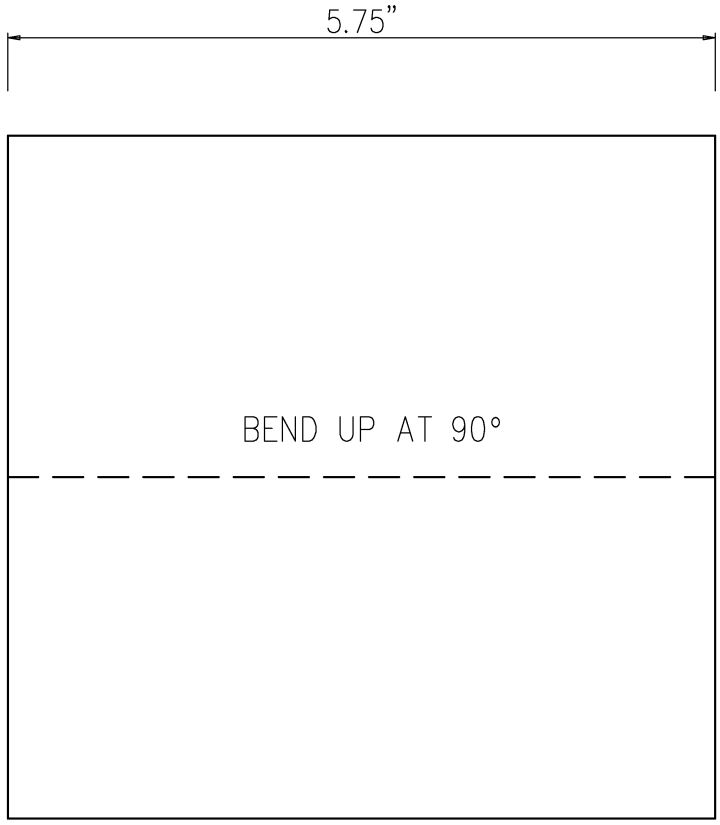


3" x 3" x 3-3/4"	
Production Date:	Drawing By:
Promise Date:	Checked By:

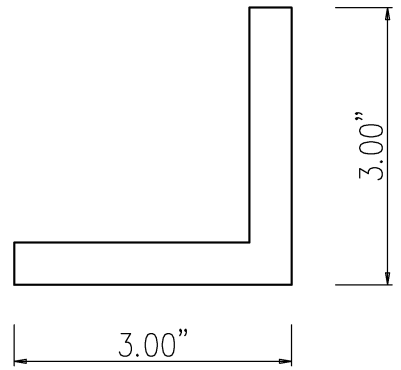


Job No. _____

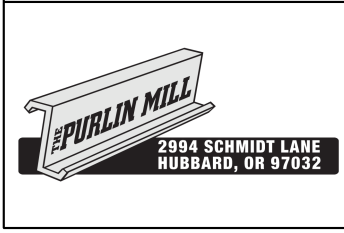
Part No. 1031



6.00"



Program#
--
Color: Galvanized
Gauge: 14
Stock: 6"
Length: 5.75"
QTY:



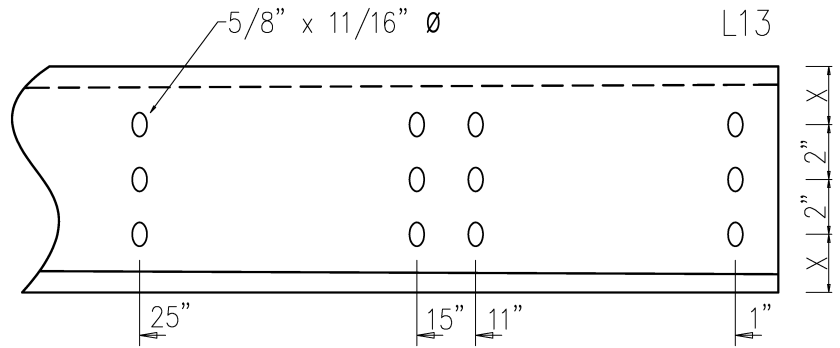
3" x 3" x 5-3/4"	
Production Date:	Drawing By:
Promise Date:	Checked By:

Purlin Lap Punches

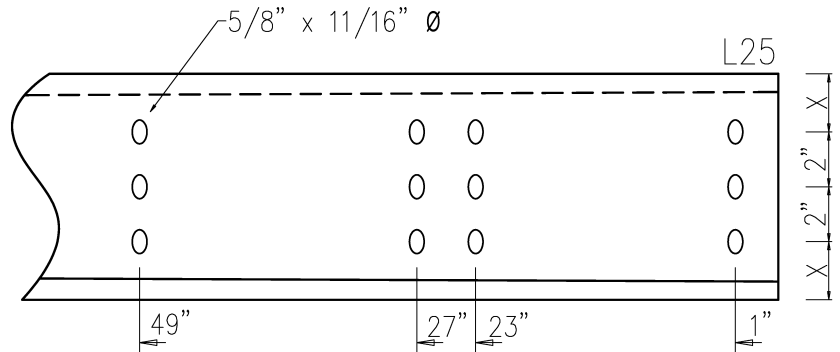


Lap Size

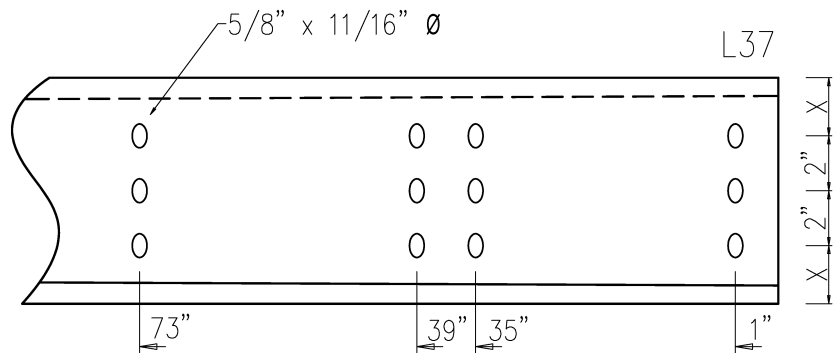
1'-1"



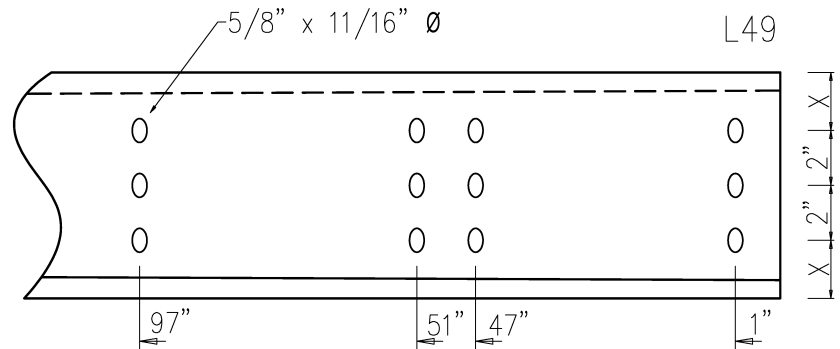
2'-1"



3'-1"

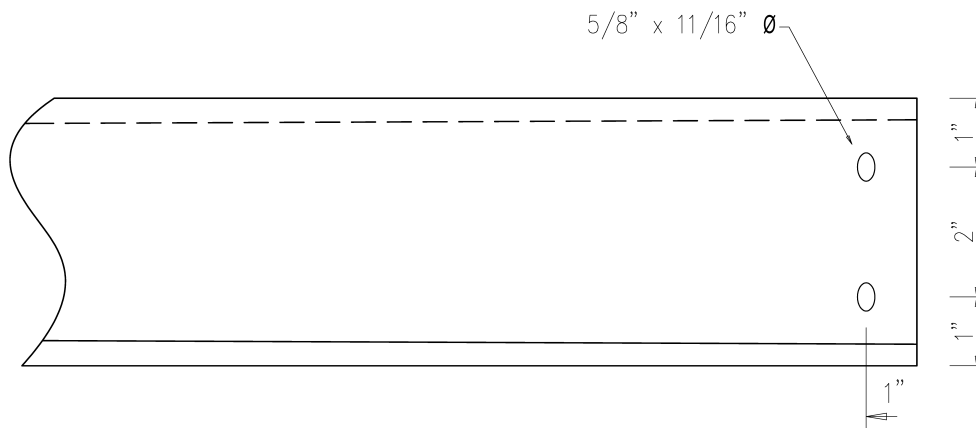
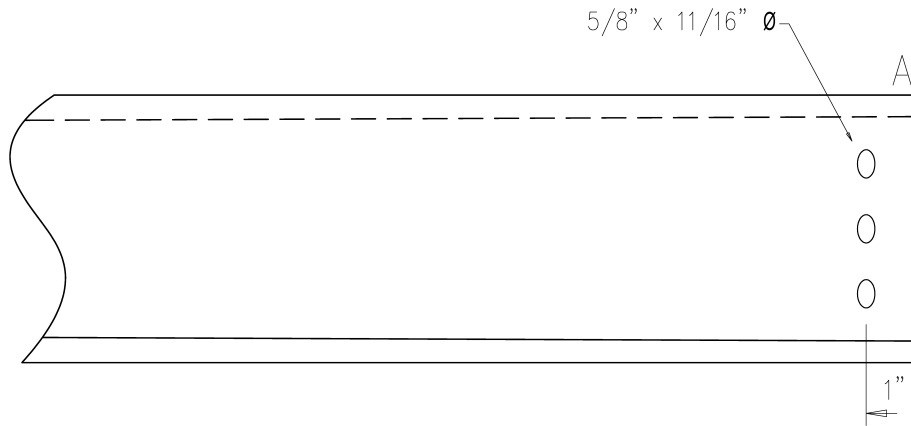


4'-1"



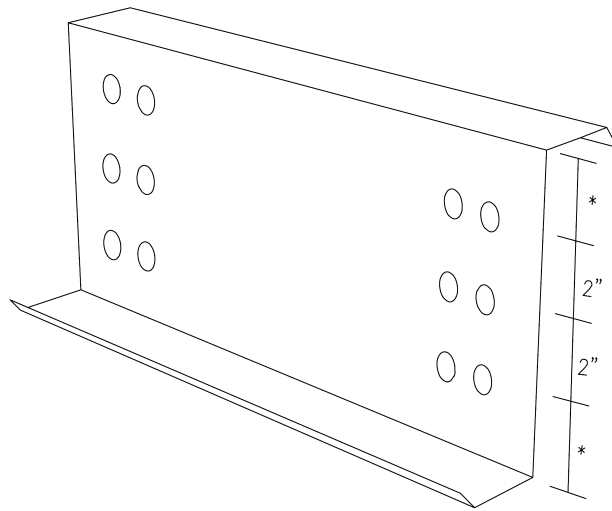
* Thickness indicated represents design thickness. Minimum deliverable bare steel thickness equals 0.095 x design thickness in accordance with section A3.4 of AISI Specifications of minimum steel thickness in inches.

End Punches

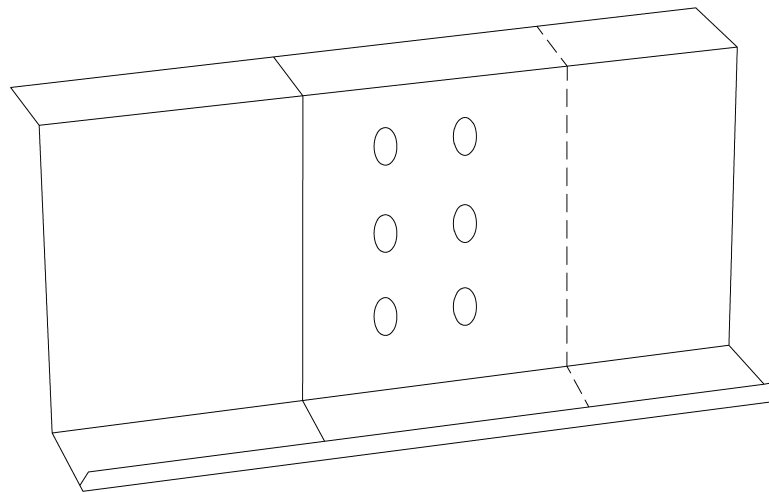
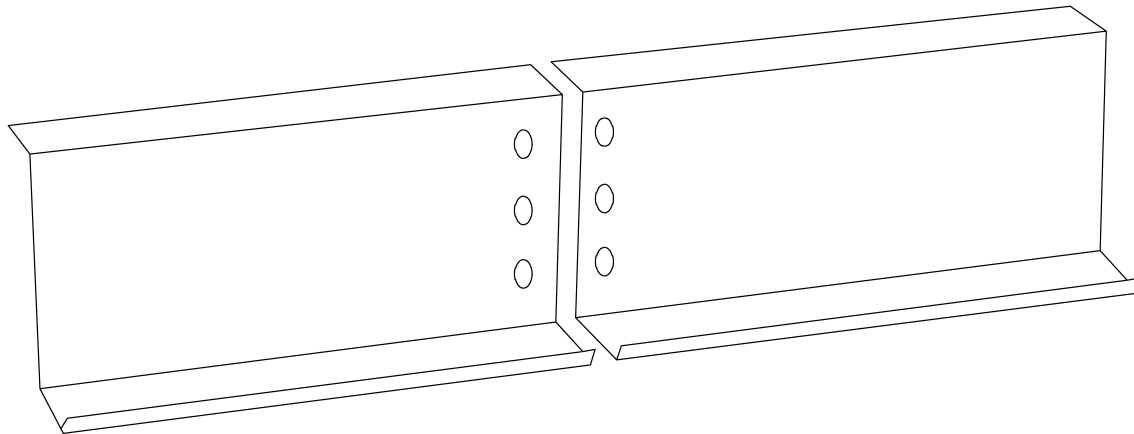


* Thickness indicated represents design thickness. Minimum deliverable bare steel thickness equals 0.095 x design thickness in accordance with section A3.4 of AISI Specifications of minimum steel thickness in inches.

Punch Pattern



* VARIES BY WIDTH



* Thickness indicated represents design thickness. Minimum deliverable bare steel thickness equals 0.095 x design thickness in accordance with section A3.4 of AISI Specifications of minimum steel thickness in inches.