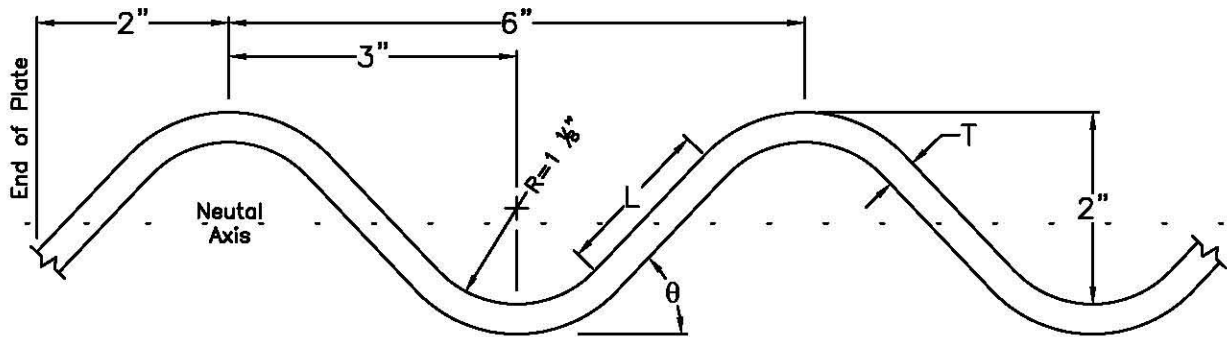


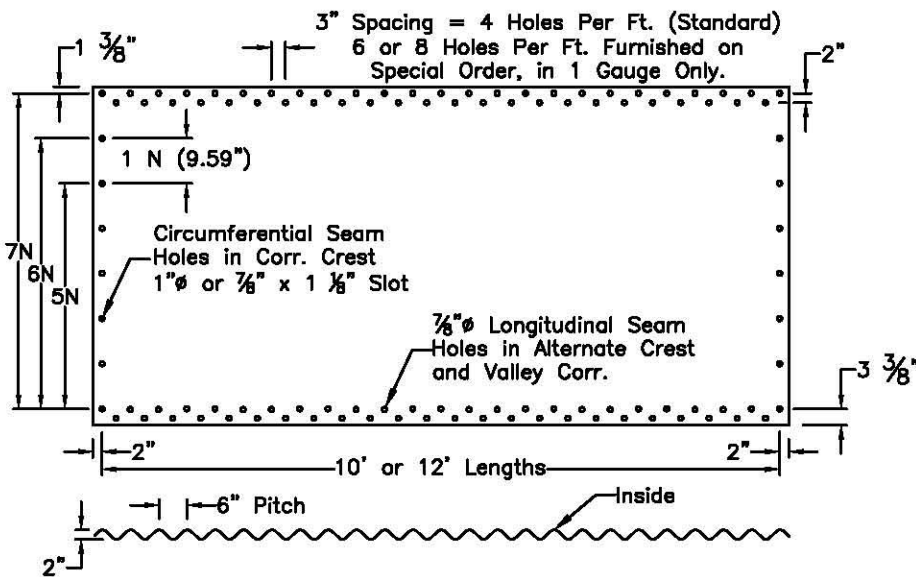
# GEOMETRIC PROPERTIES OF STEEL PLATE

GAGE OR THICKNESS (inches)	UNIT WEIGHT (lb./sq.ft.)	THICKNESS T (inches)	TANGENT LENGTH L (inches)	THICKNESS $\theta$ (degrees)	AREA OF SECTION A (sq.in./ft.)	MOMENT OF INERTIA I (in. <sup>4</sup> /ft.)	SECTION MODULUS S (in. <sup>3</sup> /ft.)	RADIUS OF GYRATION R (inches)	DEVELOPED WIDTH FACTOR
12	4.375	0.110	1.893	44.47	1.556	0.725	0.689	0.682	1.240
10	5.625	0.140	1.861	44.73	2.003	0.938	0.879	0.684	1.241
8	6.875	0.170	1.828	45.00	2.449	1.154	1.066	0.686	1.242
7	7.500	0.188	1.807	45.18	2.739	1.296	1.187	0.688	1.242
5	8.750	0.218	1.773	45.47	3.199	1.523	1.376	0.690	1.243
3	10.000	0.249	1.738	45.77	3.650	1.754	1.562	0.692	1.244
1	11.250	0.280	1.702	46.09	4.119	1.990	1.749	0.695	1.245
5/16"	12.770	0.318	1.653	46.47	4.671	2.280	1.972	0.698	1.246
3/8"	15.340	0.380	1.581	47.17	5.613	2.784	2.340	0.704	1.247

Notes: 1. Values for "A", "I", "S", and "R" are one foot of horizontal projection.



Typical Plate Corrugation



Typical Plate Detail



**LANE ENTERPRISES, INC.**

**TITLE**  
**PRODUCT TECHNICAL**  
**INFORMATION FOR**  
**STEEL STRUCTURAL PLATE**

DRAWN BY: BLC

**DRAWING NO.**  
A0265

**PAGE**  
1 OF 1

**DATE**  
08/23/05

NO.	DATE	BY
<b>REVISIONS</b>		