



## ORDERING INFORMATION DEFINITIONS FOR STEEL PLATE AND GRINDING

**Plate Only.** Steel plate, torch cut to your dimensions. No grinding.

**Cleaned Up Plate.** Steel plate, torch cut to your dimensions. Ground top & bottom to clean up.

No special tolerance for thickness, flatness, or parallelism will be held.

**Cleaned Up Plate Held Flat & Parallel.** Steel plate, torch cut to your dimensions. Ground to clean up top and bottom with both the flatness and the parallelism held to your required tolerances.

No special thickness tolerance will be held, but the plate will be flat and parallel to your tolerance.

**Finished Thickness Plate Held Flat And Parallel.** Steel plate, torch cut to your dimensions. The thickness will be held to your specific tolerance and the plate will be held to your flat and parallel tolerances.

**Special Note:** Please be aware of the fact that because any given plate is ground parallel, it is not necessarily flat. In other words, a plate may be parallel and not be flat.

The above type of plates are also available with either the edges or the ends milled or ground. They can also be provided with both the edges and the ends finished machined.

Remember, when ordering finished edges or ends, to allow for the stock removal when giving the original plate size to the order department.

If your plate is to be finished on both the edges and ends, please specify your squareness tolerance requirements, if any.

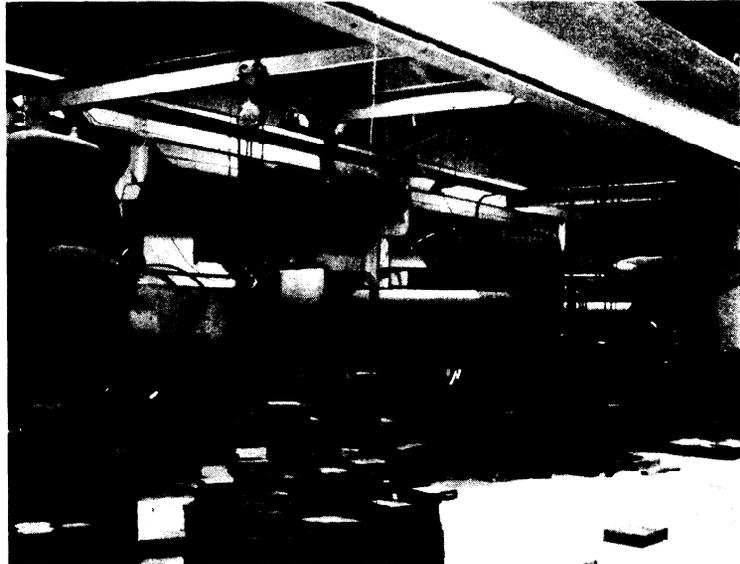
If you wish to send us your own full size drawing on intricate or special burn out parts, please make your drawing on white tracing paper with a black pencil. Remember, when you furnish the drawing you save time and money.

BURNOUT TOLERANCES			
PLATE THICKNESS	MIN. SLOT WIDTH	HOLE LOCATION	HOLE DIA. OR SIZE
1/2 to 1 1/8	3/8	± 1/16	+ 1/16 - .000
1 1/8 to 2 1/8	3/4	± 1/16	+ 1/16 - .000
2 1/8 to 3 1/8	1/2	± 1/8	+ 1/8 - .000
4 1/8 to 6 1/8	3/4	± 1/8	+ 1/8 - .000

**NOTE:** Minimum corner radius 1/2".

Tolerances shown will be supplied as standard, unless otherwise specified at time of quotation or order.

- ★ **BLANCHARD GRINDING**
- ★ **SURFACE GRINDING**
- ★ **FLAME CUTTING**
- ★ **NORMALIZING FURNACE**



**BLANCHARD GRINDING CAPACITY**  
to 96" Across Corners and 36" High

**SURFACE GRINDING CAPACITY**  
up to 80" x 30" and 36" High

**FOUR TORCH C.N.C. & ELECTRIC EYE  
BURNING MACHINES**  
Straight Line or Contour Burning

FLATNESS TOLERANCE—T.I.R.									
DIAGONAL MEASUREMENT OF PLATE									
THICKNESS	12	18	24	36	48	60	72	84	96
1/2	.005	.010	.015	.020	.025				
3/4	.004	.006	.008	.010	.020	.025			
1	.002	.003	.006	.008	.012	.016	.020	.025	
1 1/8	.002	.003	.006	.008	.012	.016	.018	.020	
1 1/4	.002	.003	.005	.006	.010	.012	.014	.016	.020
1 1/2	.001	.003	.004	.006	.008	.010	.012	.015	.018
2	.001	.003	.004	.005	.005	.006	.008	.010	.013
3 up	.001	.003	.004	.005	.005	.006	.008	.009	.010

**IMPORTANT NOTE:** Normalizing is required to obtain the above flatness on plates 1/2" through 1 1/4" thick.

Closer tolerances can be held if agreed upon at the time of the order or quotation.