EVALUATION FORM FOR MECHANICAL DRAFTING (MD-3, MD-4)

MD-3 BASIC MECHANICAL COMPUTER AIDED DRAFTING

This classification is for students with less than one credit in mechanical drafting. One or more computer aided drawings, not larger than 24" x 36", are eligible. This classification may include drawings of machine parts, pictorial drawings, or sheet metal developments.

MD-4 ADVANCED MECHANICAL COMPUTER AIDED DRAFTING

This classification is for students who have completed at least one high school mechanical drafting course. The entry shall consist of a complete set of detail and assembly orthographic drawings generated with the use/aid of a computer on suitable plotter media not larger than 24" x 36" are eligible. Drawings of machines, accessories, jigs or fixtures, or any advanced drafting project of this nature may be submitted.

OPTION #1Detail drawings must be fully dimensioned. A single entry must include an orthographic assembly drawing and a selection of not more than five detail sheets. If six or more sheets are involved in the project, the assembly drawing and the best five detail sheets must be selected and submitted.
OPTION #2A selection may not have more than five developments drawings. Irregular shaped objects that have either practical or theoretical applications are eligible. The developments drawings must be properly detailed and dimensioned.
OPTION #3A selection may not have more than five pictorial exploded or other types of pictorial assembly drawing of machine parts. Details of three of the principal parts completely dimensioned must accompany the pictorial drawing.
OPTION #4A selection may not have more than five special types of drawings such as electrical, electronic, plumbing, structural, topographical, etc.

CLASSIFICATION: MD-3 CAD GROUP LETTER _____ ENTRY NUMBER _____

MD-4 CAD ENTRY TITLE

_____

Entry Checklist

_____ Sheet size 24" x 36" or smaller
_____ MD-4 only - OPTION (See above options 1-4)
_____ Technical Report

MAJOR EVALUATION FACTORS RATINGS COMMENTS

0= Very Poor
10(20) Excellent

Drawing Accuracy	0	2	4	6	8	10	12	14	16	18	20
Line Value Distinction – correct usage Of line weight & line styles	0	1	3	4	6	7	9	10	12	13	15
Quality of Related Information – notes, title Block, scale, labels, lettering	0	1	2	3	4	5	6	7	8	9	10
Layout	0	1	3	4	6	7	9	10	12	13	15
Appearance – overall impact	0	1	2	3	4	5	6	7	8	9	10
Accuracy of Dimensions	0	2	4	6	8	10	12	14	16	18	20
Complexity for Group Level	0	1	2	3	4	5	6	7	8	9	10
Entry Checklist Violation (See above)											*- 10*

100-85 = I (blue) 84-70 = II (red) 69-0 = III (white) (based on 100 points)

Overall Project Rating_____

NAME OF STUDENT_____

NAME OF SCHOOL_____ADDRESS OF SCHOOL_____

INSTRUCTOR_____CITY_____TELEPHONE #_____

NAME OF COURSE ENTRY WAS COMPLETED IN:_____