

BLUEPRINT READING
COURSE NAME

IRN 8Q2
CODE NO.

TOTAL CREDITS: N/A

PREREQUISITE(S): Ironworker Apprenticeship plus the successful completion of the Basic' and Intermediate' levels of in-school' training.

I. PHILOSOPHY /GOALS: To provide apprentices with an over-all review of the concepts and principles of structural blueprint reading as developed by CISC and AISC standards. Ideally, graduates should be able to work from typical site/erection drawings and structural shop drawings with a minimum of supervision.

H STUDENT PERFORMANCE OBJECTIVES (OUTCOMES):

Upon successful completion of this course the student will:

- 1) Make a typical 'Bill of Material'.
- 2) Prepare a typical 'Cut List'.
- 3) Read structural shop drawings c/w notes, dimensions and welding symbols.
- 4) Read typical site and erection drawings c/w notes, dimensions and elevation references.

HI. TOPICS TO BE COVERED:

- 1) Course Introduction and Orientation
- 2) The Welding Symbol.
- ** Test and Review**

- 4) Reading Structural Shop Drawings.
- 5) Creating Bills of Material' and Typical 'Cut Lists'. (Assignment)

- 6) Reading Site and Erection Drawings.
- 7) Drawing Typical Floor and Wall Elevations. (Assignment)

IV. EVALUATION METHODS: (INCLUDES ASSIGNMENTS, ATTENDANCE REQUIREMENTS, ETC.)

<u>General Assessment</u>	<u>Final Mark</u>	
A - 85 - 100%		
B = 75 - 84%	Assignments*	60%
C - 60 - 74%	Test/Quiz(s)	40%
D = 50 - 59%		
F = 0- 49%	Attendance (seeTSTotes')	

*NOTE: The acceptance and evaluation of all 'Assignments' will be governed by the criteria specified on the printed handout "Homework and Assignments". Be sure to obtain a copy from your instructor.

V. PRIOR LEARNING ASSESSMENT:

Students who wish to apply for advanced credit in the course should consult the instructor. Credit for prior learning will be given upon successful completion of the following:

1. Written proof of the successful completion of a blueprint reading course with student outcomes and course topics that are at least 80% compatible with IRN 802 .
<OR>
2. The successful challenge of all IRN 802 tests and assignments with a resulting average mark of at least 75%.

VI. REQUIRED STUDENT RESOURCES:

Pencils (HB or H lead)
Pens (blue and / or black ink)
Binder c/w Paper
Ironworker Texts

VH. SPECIAL NOTES:

Students with special needs (eg physical limitations, visual impairments, hearing impairments, learning disabilities) are encouraged to discuss required accommodations confidentially with the instructor.

Your instructor reserves the right to modify the course as he / she deems necessary to meet the needs of students.

Student attendance is mandatory and will be recorded on an hour by hour basis using the 'Sault College Record of Attendance Form'.