CARP 1220: Architectural Drawings 2

A. COURSE DESCRIPTION

Credits: 1
Lecture Hours/Week: 1
Lab Hours/Week: *.*
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

This course advances the skills taught in Architectural Drawings 1 with a focus on industrial and commercial blueprints. (Prerequisite: CARP 1120) (1 credits: 1 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 02/06/2018 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Review Blueprint Reading
2. Introduction to Commercial and Industrial Construction
3. Reading Prints Related to Commercial and Industrial Construction
D. LEARNING OUTCOMES (General)

1. Review drafting mechanics  
2. Interpret basic architectural abbreviations  
3. Identify drawing equipment and materials  
4. Assume individual job responsibility  
5. Read/use architectural scales  
6. Read and interpret commercial floor plan  
7. Read and interpret industrial floor plans  
8. Read and interpret architectural titles and notes  
9. Interpret foundation/basement plan  
10. Read architectural blueprint dimensions  
11. Read and interpret typical wall-section views  
12. Read pictorial drawings  
13. Read and interpret architectural drawing scales  
14. Interpret basic architectural symbols  
15. Lay out scaled interior/exterior walls  
16. Clean and maintain work areas  
17. Lay out window locations  
18. Lay out interior/exterior door locations  
19. Interpret window schedule information  
20. Interpret door schedule information  
21. Incorporate stairwell opening  
22. Read and interpret stair detail drawings  
23. Dimension stair detail  
24. Read and interpret cabinet plan view drawings  
25. Interpret cabinet detail drawings  
26. Identify projected surfaces  
27. Read and interpret building elevation drawings  
28. Read and interpret building specifications  
29. Read and interpret ADA requirements  
30. Illustrate plot-appropriate residence  
31. Duplicate blueprints  
32. Read electrical blueprints  
33. Read mechanical blueprints  

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted