

THREE RIVERS COMMUNITY COLLEGE
CONSTRUCTION CAD, CAD K214/215
Spring Semester 2011, Wednesday 5:30 – 9:45PM

Instructor: Charles Canavan _____ Day), email CanavanC@aol.com
Grade: Line Weight 60% Accuracy 15% Cleanliness 15% Organization 10%
Course Objective: Construction CAD is an industry-specific sequential course to Intro to AutoCAD, where students (after attaining working knowledge of the software), implement the methods and purposes of architectural drawing details which convey design intent while illustrating constructability of detail, the materials, assemblies and methods to be used in construction. Students learning outcomes are augmented through construction observation, detail observation and a hands-on scaled detail building project.
Method: Lectures, Demonstration, Slide Lectures, Class Discussion
Text: TBA

Plan-View Details

Week 1 Site Plan
(2/03) X-Ref and Tracing

Week 2 Foundation Plan
(2/10) Elements, Notes, Dims

Week 3 Floor Plans
(2/17) Elements, Notes, Dims

Section Details - Structure

Week 4 Typical Wall Section
(2/24) Building the Section

Week 5 Envelope Enlargements
(3/03) Foundation, Floor, Cornice

Week 6 Structure Connections
(3/10) Columns, Beams, Joists

Schedules

Week 7 **Spring Break**
(3/17) **Schedule Float/Project Catch-up**

Week 8 Door, Window, MEP Schedules
(3/24) Matrix and Graphic Schedules

Elevation-View Details

Week 9 Building Elevation Views
(3/31) Building the Elevation

Week 10 Elevation Detailing
(4/07) Breakouts, Notes, Dims

Week 11 Inter-coordination
(4/14) Plan/Section/Elevation

Section Details - Finishes

Week 12 Interior Finish Elevations
(4/21) Building the View

Week 13 Interior Finish Sections
(4/28) Cabinetry & Millwork

Week 14 Misc. Finishes
(5/05) Stairs, Fireplaces, Casework, etc.

Final Portfolio

(5/12) Digital Portfolios Due