WEEK 6 RCP - ID 233 AUTOCAD

College of Fine Arts & Humanities
Department of Interior Design

Evening/Weekend College, Summer 2015
May 4 – August 7, Course Credit: 3

Reflected Ceiling Plan

Dates	Task	Instructions	Points
Mon–Wed	Watch Week 6 Lectures	View lecture videos posted under Week 6 in Canvas.	—
Mon–Wed	Read Kilmer & Kilmer	Review pp. 181–194 on Reflected Ceiling Plans (RCPs).	—
Mon–Wed	Supplemental Videos	Watch Lynda.com and CAD tutorial videos posted in Canvas.	—
Mon–Sat	Read Chapter 5	Read Chapter 5 in the textbook. Post questions in the Q&A discussion.	—
Thurs–Sat	Work on RCP Assignment	Develop reflected ceiling plan and layer management.	—
Sunday	Submit Reflected Ceiling Plan	**Due 6/14 at 11:59 PM EST**	**50 pts**

Assignment Overview
This assignment introduces students to **layer management** and the development of a **reflected ceiling plan (RCP)** using AutoCAD. Students will apply industry-standard layer conventions and drawing practices consistent with interior design construction documentation.

There are **two primary components** to this assignment:

1. **Layer Management**
2. **Reflected Ceiling Plan (RCP)**

Part 1: Layer Management
Students will review and verify layer organization for all drawings. All previously drawn building elements (e.g., walls, plumbing fixtures, millwork, overhead cabinetry, etc.) must be placed on the correct layers with appropriate layer properties, including color, lineweight, and linetype.

Students are responsible for creating all new layers required for the RCP in accordance with the **Interior Design Department Typical Layers** document provided in the course modules. Layer information will not be provided directly; students must reference the

WEEK 6 RCP - ID 233 AUTOCAD

departmental standards document to locate correct naming conventions and properties.

New layers must be created for:

- HVAC fixtures
- Ceiling grid
- Gypsum board soffits and headers
- Light fixtures
- Switching
- Text and legend

Layer accuracy across the **entire plan** will be assessed. Students are encouraged to reference lecture materials and supplemental videos. Questions should be directed through the course Q&A forum as needed.

Part 2: Reflected Ceiling Plan (RCP)
Students will produce a reflected ceiling plan demonstrating appropriate ceiling materials, lighting, HVAC, and switching. The RCP must include the following elements:

Ceiling Heights

- Indicate ceiling heights for each room, either directly on the plan or within the RCP legend notes.
- Provide a minimum of **two distinct ceiling heights** between **8'-0" and 10'-0" AFF** (Above Finished Floor).

Ceiling Materials

- Include both **2'x2' ceiling grid** and **gypsum board (drywall/soffit)** conditions.
- Apply appropriate hatching or line representation for each ceiling type.
- Specify ceiling materials in the RCP legend.

Lighting

- Show light fixtures in **every room**.
- Include at least **three different fixture types** (e.g., recessed 2'x2', recessed downlight, wall washer, track lighting, sconce, etc.).
- Light fixtures must be placed on the correct layer and identified in the legend.
- Lighting design decisions will **not** be graded; assessment focuses on documentation accuracy and layer organization.

HVAC

- Show air supply diffusers and return grilles in the following rooms:
    - Utility Room
    - Kitchen

WEEK 6 RCP - ID 233 AUTOCAD

    - Living Room
    - Bedrooms 1 & 2
    - Bathroom
- Fixtures must be drawn accurately and placed on the appropriate layer.
- HVAC placement will not be graded for design quality, only for correct inclusion and documentation.

Switching

- Provide switching for **one room containing multiple light fixtures** (excluding closets).
- Include switch symbols and connection lines between switches and fixtures.

Legend

- Include an RCP legend identifying:
    - Ceiling materials
    - Light fixture types
    - HVAC symbols
- Material and fixture specifications should follow the format used in the Finish Plan assignment.

Submission

Submit the completed AutoCAD drawing file to Canvas by the due date listed above.
A detailed grading rubric is available in Canvas under the assignment submission link.
Students are encouraged to review the rubric carefully to ensure all requirements are met prior to submission.