

Components of a CEE Drawing Set

- Group exercise: Consider drawings of a structure.
 - What kind of structure is it?
 - What different systems will be constructed as part of this project: foundations, telecommunications, structures, mechanical, electrical, etc.
 - What drawings do you have? What drawings are missing?
 - How are the drawings organized? How do you know what page to look on for information about a particular component?

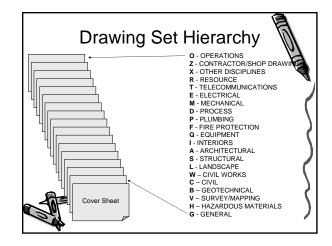


National CAD Standards for Creating Drawing Sets • CAD Layer Guidelines (AIA):

- - Organization of drawing sets & list of layers that may be included
- Format for naming layers in CAD
- Plotting Guidelines (US CADD/GIS Tech. Center)
 - Color in AutoCAD file, plotted line width & plotted color
- The Construction Specification Institute
 - Drawing set organization
 - Drawing sheet organization
 - Schedule organization Drafting conventions
 - Terms and Abbreviations

 - Symbols

tp://www.nationalcadstandard.org



Standard Sheet Identification

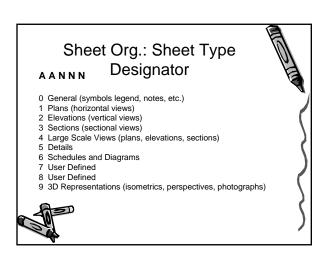
Standard Sheet Identification

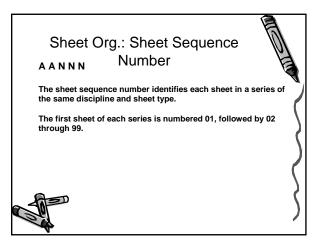
- -discipline designator
- -sheet type designator
- -sheet sequence number -user-defined designator
- A = alphabetical character
- N = numerical character
- U = user-defined

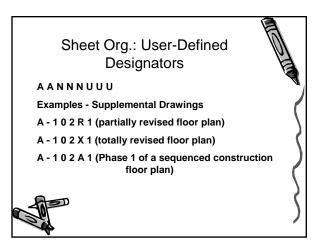
A A N N N U U U Discipline Designators A A N N U U U Sheet Type Designator A A N **N N** U U U Sheet Sequence Number AANNNUUU User-Defined Designator

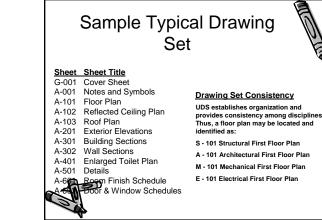


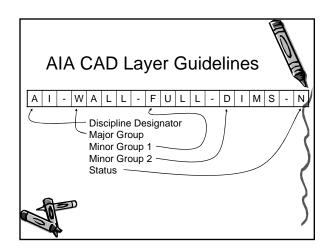
Sheet Org.: Discipline Designator A - N N N Level 1 Discipline Designator Only F Fire Protection A - N N N G General H Hazardous Materials P Plumbing V Survey/Mapping B Geotechnical W Civil Works C Civil D Process M Mechanical E Electrical T Telecommunications L Landscape S Structural A Architectural R Resources X Other Disciplines Z Contractor / Shop Drawings O Operations I Interior Q Equipment AANNN Level 2 Discipline Designator w/modifier character Designator Description Content Any or all Architectural Architectural Site Architectural Demolition Site Plan Protection & Removal Architectural Interiors Interior Finishes

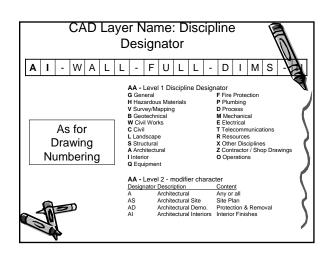


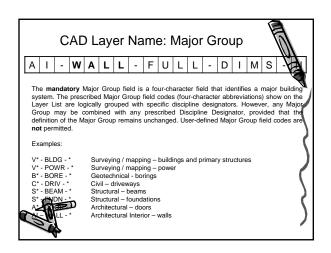


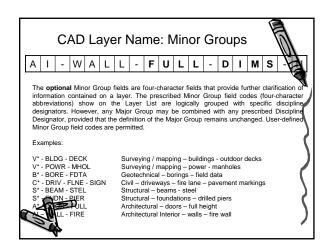


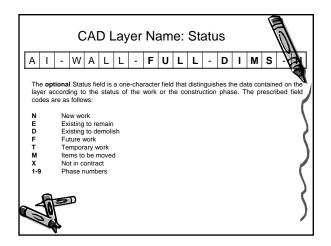












Organizing Drawing Information

- Structure for identifying spaces, objects, components
- · Reference Symbols
- Notes
 - General
 - Reference Keynotes
 - Sheet Keynotes



