DISCIPLINE HIERARCHY

- Organize Sheets as Illustrated
- Some, All, or More Categories may Apply

STANDARD SHEET IDENTIFICATION

- Level 2 Discipline Designator Optional
- Hyphen Must Follow Discipline Designator

DISCIPLINE DESIGNATORS

- Level 2 Modifies
- Level 2 Optional
- Hyphen Must Follow Discipline Designator
**NCS: CSI'S UNIFORM DRAWING SYSTEM (UDS)**

**SHEET TYPE & SEQUENCE DESIGNATORS**

- User-Defined Sheet Type Designators May NOT Fall in Another Category
- Always Include 2-digit Sequence Designator
- Do NOT use "00"

<table>
<thead>
<tr>
<th>SHEET TYPE</th>
<th>SEQUENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>General symbols (legend, notes, etc.)</td>
<td>0</td>
</tr>
<tr>
<td>Plans (horizontal)</td>
<td>1</td>
</tr>
<tr>
<td>Elevations (vertical)</td>
<td>2</td>
</tr>
<tr>
<td>Sections (sectional, wall &amp; stair)</td>
<td>3</td>
</tr>
<tr>
<td>Large Scale Views</td>
<td>4</td>
</tr>
<tr>
<td>Details</td>
<td>5</td>
</tr>
<tr>
<td>Schedules and Diagrams</td>
<td>6</td>
</tr>
<tr>
<td>7 User Defined*</td>
<td>7</td>
</tr>
<tr>
<td>8 User Defined*</td>
<td>8</td>
</tr>
<tr>
<td>3D Representations (orthographics, perspectives, photographs)</td>
<td>9</td>
</tr>
</tbody>
</table>

*User Defined*

**SAMPLE DRAWING DESIGNATORS**

<table>
<thead>
<tr>
<th>SHEET NAME EXAMPLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheet Sheet Title</td>
</tr>
<tr>
<td>G - 001 Title Sheet</td>
</tr>
<tr>
<td>S - 101 Foundation Plan</td>
</tr>
<tr>
<td>A - 101 Floor Plan</td>
</tr>
<tr>
<td>A - 201 Elevation Elevations</td>
</tr>
<tr>
<td>A - 301 Wall Sections</td>
</tr>
<tr>
<td>A - 501 Door and Frame Schedule</td>
</tr>
<tr>
<td>P - 101 Plumbing Site Plan</td>
</tr>
<tr>
<td>P - 601 Plumbing Riser Diagram</td>
</tr>
<tr>
<td>M - 101 HVAC Plan</td>
</tr>
<tr>
<td>E - 101 Power Plan</td>
</tr>
<tr>
<td>E - 102 Lighting Plan</td>
</tr>
<tr>
<td>E - 501 Electrical Details</td>
</tr>
<tr>
<td>C - 001 Notes and Symbols</td>
</tr>
<tr>
<td>S - 101 Foundation Plan</td>
</tr>
<tr>
<td>A - 101 Floor Plan</td>
</tr>
<tr>
<td>A - 201 Elevation Elevations</td>
</tr>
<tr>
<td>A - 301 Wall Sections</td>
</tr>
<tr>
<td>A - 501 Door and Frame Schedule</td>
</tr>
<tr>
<td>P - 101 Plumbing Site Plan</td>
</tr>
<tr>
<td>P - 601 Plumbing Riser Diagram</td>
</tr>
<tr>
<td>M - 101 HVAC Plan</td>
</tr>
<tr>
<td>E - 101 Power Plan</td>
</tr>
<tr>
<td>E - 102 Lighting Plan</td>
</tr>
<tr>
<td>E - 501 Electrical Details</td>
</tr>
</tbody>
</table>

**SAMPLE DRAWING DESIGNATORS**

<table>
<thead>
<tr>
<th>SHEET NAME EXAMPLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheet Sheet Title</td>
</tr>
<tr>
<td>CD - 101 Site Demolition Plan</td>
</tr>
<tr>
<td>CG - 101 Grading Plan</td>
</tr>
<tr>
<td>LS - 101 Landscape Irrigation Plan</td>
</tr>
<tr>
<td>SF - 101 Roof Framing Plan</td>
</tr>
<tr>
<td>SF - 501 Framing Details</td>
</tr>
<tr>
<td>AS - 101 Architectural Site Plan</td>
</tr>
<tr>
<td>AG - 102 Signage Plan</td>
</tr>
<tr>
<td>IN - 601 Interior Finish Schedules</td>
</tr>
<tr>
<td>ES - 101 Electrical Site Plan</td>
</tr>
<tr>
<td>EP - 101 Electrical Power Plan</td>
</tr>
<tr>
<td>EL - 101 Electrical Lighting Plan</td>
</tr>
<tr>
<td>TI - 101 Intercom Plan</td>
</tr>
</tbody>
</table>

**Sample Sheet Numbers**

01-02-03-04-05-06-07-08
**NCS: CSI'S UNIFORM DRAWING SYSTEM (UDS)**

**SHEET ORGANIZATION**

**COMMON SHEET SIZES**

<table>
<thead>
<tr>
<th>MARK</th>
<th>SIZE mm (in)</th>
<th>TYPICAL USES</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>216 x 279 (8.5 x 11)</td>
<td>Project book, supplemental drawings, mock-up sheets.</td>
</tr>
<tr>
<td>B</td>
<td>279 x 432 (11 x 17)</td>
<td>Supplemental drawings, mock-up sheets.</td>
</tr>
<tr>
<td>C</td>
<td>432 x 559 (17 x 22)</td>
<td>Small projects in preferred plan scale.</td>
</tr>
<tr>
<td>D</td>
<td>559 x 864 (22 x 34)</td>
<td>Projects in preferred plan scales, government projects.</td>
</tr>
<tr>
<td>E</td>
<td>864 x 1118 (34 x 44)</td>
<td>Large projects in preferred plan scales, mapping &amp; GIS.</td>
</tr>
</tbody>
</table>

**NOT SHOWN:**

A0-A4, A-F
**SHEET LAYOUT**

- Production Data Area
- Drawing Area
- Title Block Area

**PRODUCTION DATA AREA**

- Production Information:
  - Production block
  - File path
  - Sheet file name
  - Default settings
  - Pen assignments
  - Printer/plotter commands
  - Overlay drafting control data
  - Reference file(s)
  - Layers plotted
  - Production hours
  - Scanning scale block

**DRAWING AREA**

Contains:
- Keynotes
- Key plans
- Schedules
- Other graphic information
NCS: CSI’S UNIFORM DRAWING SYSTEM (UDS)

DRAWING AREA

- Divided into Modules
- Columns are Numbers
- Rows are Letters

DRAWING AREA GRID

A
B
C
D
1 2 3 4 5

DRAWING AREA

- Modules identified by Letter & Number
- A Drawing May Comprise Several Modules
- Use Module Coordinates for ID

DRAWING AREA

- Drawing Number as Determined by Coordinate

DRAWING AREA

XXXXX XXXX XXXXXX
X:X

GRID

XXXX
XXX       XX     XX
XXXX
XXXX      XXX
C4
NCS: CSI’S UNIFORM DRAWING SYSTEM (UDS)

CONTENTS
- Designer
- Project
- Issue Block
- Client/Management
- Sheet Title
- Sheet ID Information

TITLE BLOCK AREA

INFO:
- DESIGNER ID BLOCK
  - Name
  - Address
  - Telephone & Fax
  - E-mail address
  - Consultants
  - Professional Seals

Horizontal Text Format

Vertical Text Format
### Objectives:
- Consistency
- Systematic Approach

### Schedules Components
- Mark Item
- Description
- Feature
### SCHEDULES

<table>
<thead>
<tr>
<th>MARK</th>
<th>ITEM</th>
<th>FEATURE</th>
<th>NOTES</th>
</tr>
</thead>
</table>

Notes Legend:
1. Note A
2. Note B
3. Note C

### ROOM FINISH SCHEDULE

<table>
<thead>
<tr>
<th>ROOM</th>
<th>NO</th>
<th>ROOM NAME</th>
<th>FLOOR</th>
<th>BASE</th>
<th>WALL</th>
<th>CEILING</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td></td>
<td>ENTRY</td>
<td>VCT</td>
<td>RUBBER</td>
<td>PAINT</td>
<td>SAP 1</td>
<td></td>
</tr>
<tr>
<td>102</td>
<td></td>
<td>OFFICE</td>
<td>CPT</td>
<td>RUBBER</td>
<td>PAINT</td>
<td>SAP 2</td>
<td></td>
</tr>
</tbody>
</table>

### PLUMBING FIXTURE SCHEDULE

- **MARK**
- **DESCRIPTION**
- **MFR**
- **MODEL**
- **SUPPLEMENT**
- **FITTING**
- **SUPPLY**
- **PIPE(S)**
- **CONNECTIONS**
- **CW**
- **HW**
- **WASTE**
- **VENT**
- **DRAIN**
- **TRAP**
- **NOTES**

### SCHEDULE LOCATION

**NEW in NCS version 3.1:** Schedules with products from multiple sections can now be located in project manual according to MasterFormat™ 2004 number.
DRAFTING CONVENTIONS

**DRAFTING CONVENTIONS OVERVIEW**

Includes:
- Drawing Orientation and North Arrow
- Grid System
- Drawing Block Formats
- Drafting Layout
- Scale
- Lines
- Dimensions

Subjects Covered:
- Material Indications
- Cross-Ref
- Symbols
- Drawing Types
  - General
  - Special
  - Sections
  - Large Scale Views
- Schedules & Diagrams
- Graphics
- Temperature
- Mock-Up
- Drawing Set
REFERENCE GRID INDICATORS

- Vertical Grid at Top, Numbered Left-Right
- Horizontal Grid on Right, Alphabetized Bottom-Top

TERMINATOR MARKS

- Consistent Orientation

DRAWING BLOCK FORMAT

- Reference Grid & Dimension Area
- Graphic Notation Area
- Margin
- Title Area
- Drawing Module Area
**TERMS AND ABBREVIATIONS**

Includes:
- Preferred Terms
- Standard Drawing Abbreviations
- When to Use Abbreviations
- Formats for Abbreviations

**MODULE 5**
TERMS & ABBREVIATIONS

MODULE 5

Provides:
• Consistent Communication
• Consistent Terms
• Notes on Common Usage and Non-Preferred Terminology

SYMBOLS

MODULE 6

Includes:
• Symbol Classifications
• Over 6,000 Graphic Symbol Representations
• How Symbols are Organized

NOTATIONS

MODULE 7