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结构引线标注的应用

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2005.11.4

课程主要内容

- Labelling 引线标注模块介绍
  - General Label自定义标注操作
  - Symbol Label模板引线标注操作

课程结束后 …

- 您应有以下知识 …
  - VANTAGE PDMS引线标注的的基本概念
  - VANTAGE PDMS引线标注的的基本操作

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Labelling

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引线标注的基本概念

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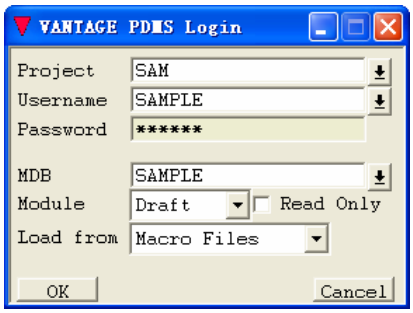
- 引线标注有三种方式
  - Symbolic Labelling 模板标注
  - General Labelling 自定义标注
  - Autotagging 自动标注

进入PDMS

- 进入PDMS的Draft模块，以SAM项目为例
  - 用户：SAMPLE
  - 用户密码:SAMPLE
  - MDB: SAMPLE
  - Module: Draft



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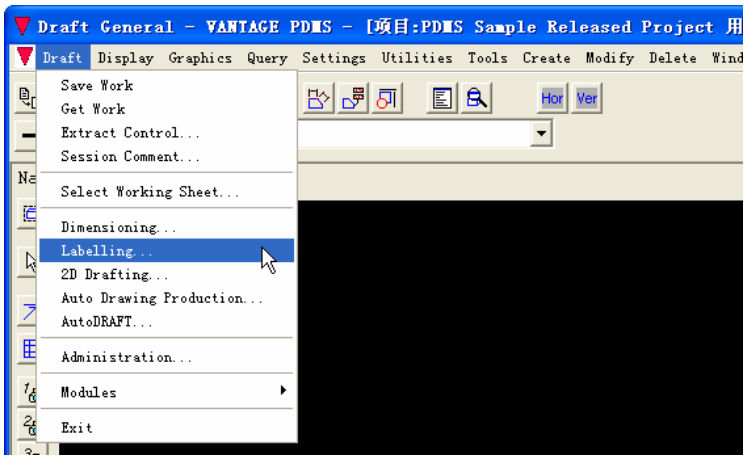
进入Labelling

- 进入PDMS的Draft的Labelling模块



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引线标注的三种方式

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- Labelling模块中引线标注有三种方式
  - Symbolic Labelling 模板标注
  - General Labelling 自定义标注
  - Autotagging 自动标注

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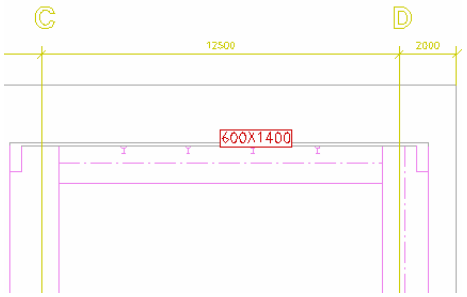
General Label

General Labels简单步骤

- 生成引线标注，以混凝土规格标注为例
- 设置、修改引线标注
- 定位引线标注
- 拷贝生成引线标注



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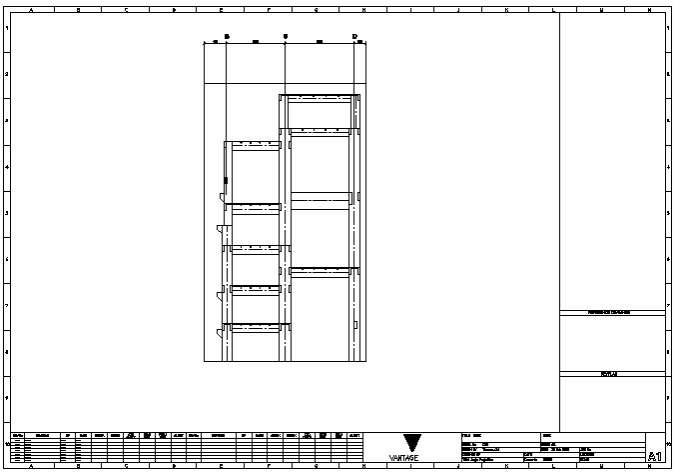
打开图纸

- 打开一张图



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Genaral Labelling方式

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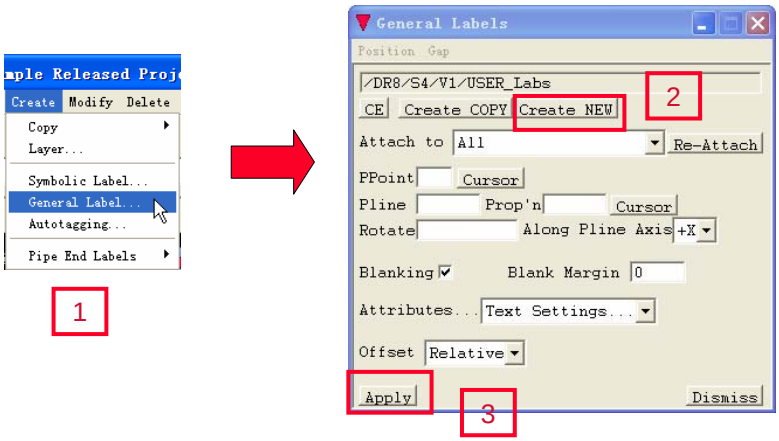
- 进入Genaral Labelling引线标注方式
  - 当进入该模块后，系统自动弹出对话框



生成引线标注

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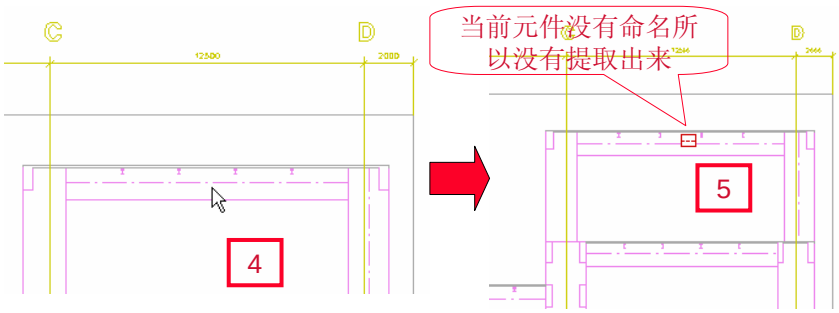
- 生成引线标注
  - 选中元件后，按“Esc”键完成并退出
  - 生成引线标注如右图所示

(一般默认情况下，智能文字标注的内容为提取当前元件的名称)



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设置引线标注内容

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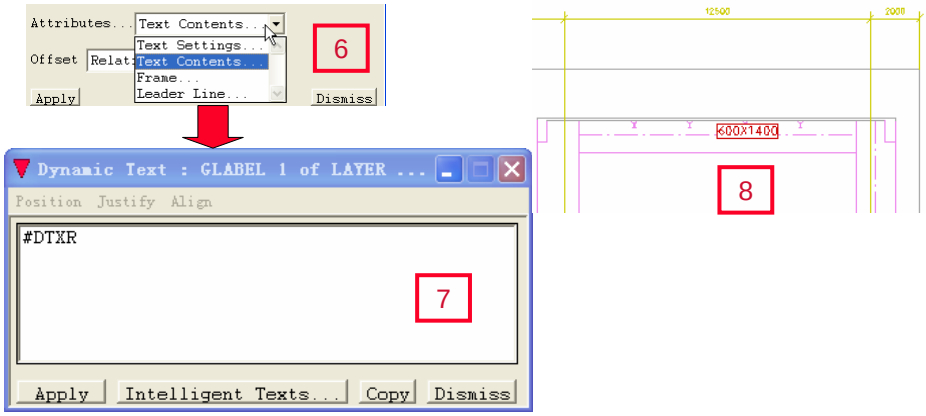
- 设置引线标注内容
  - 修改为提取当前元件的详细描述（首先选中当前GLAB）



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重新定位引线标注

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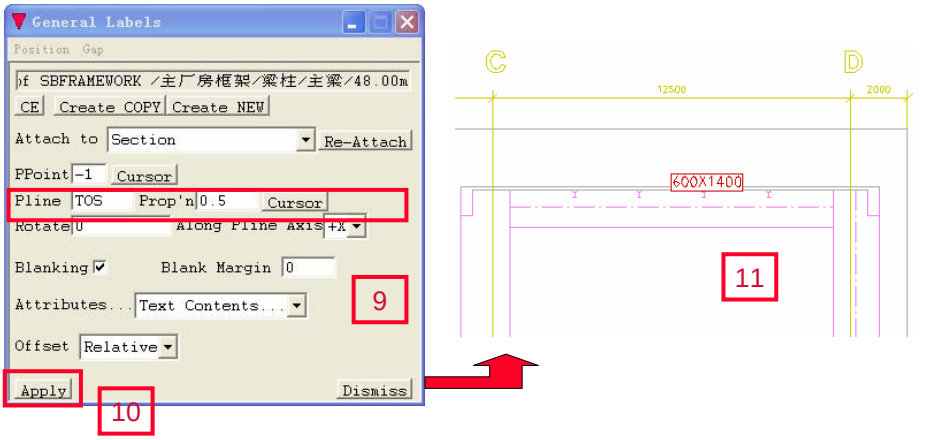
- 选择标注对齐方式
  - 当前引线标注与杆件的顶端对齐，并定位在杆件的1/2处



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拷贝引线标注

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- 应用于相同类型，相同内容的标注
  - 首先定位到需要拷贝的引线标注，CE
  - 然后选择Create COPY
  - 连续选择需要创建的元件
  - 完成按“Esc”退出

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拷贝生成的引线标注

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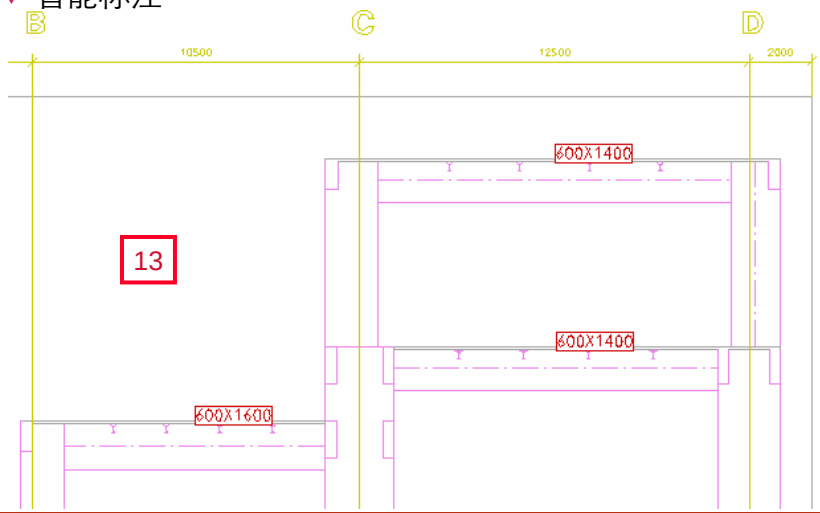
- 智能标注



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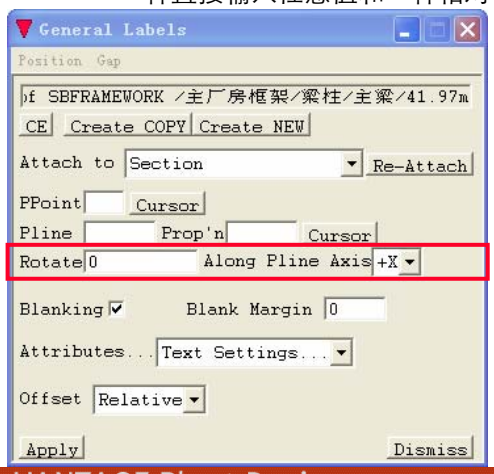
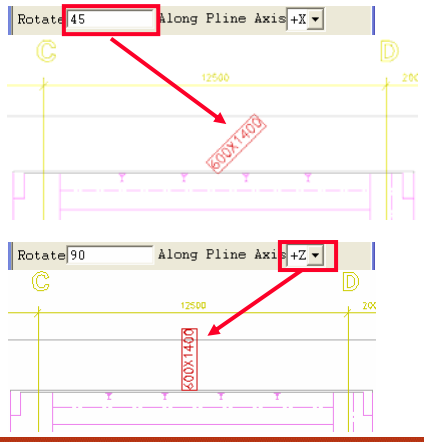
旋转引线标注

- 绕起始点旋转引线标注两种方式：
  - 一种直接输入任意值和一种相对Pline线的坐标定位





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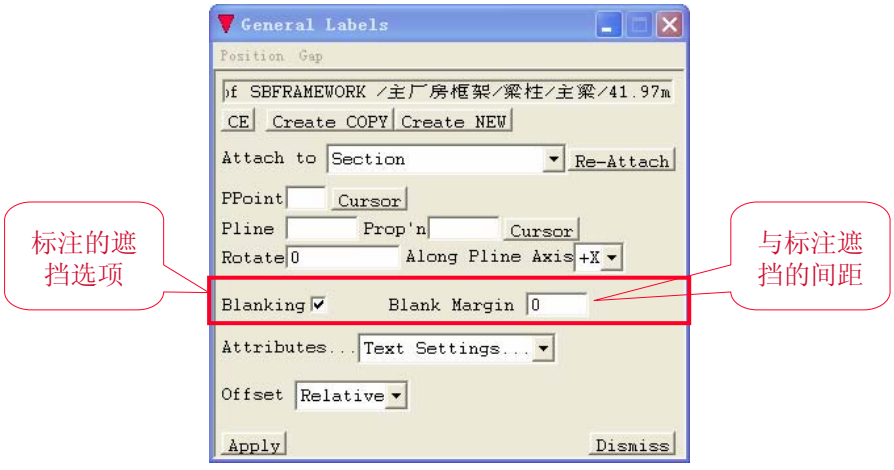
Blanking设置

- 是指引线标注与视图中图纸的重叠部分遮挡突出显示



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Blanking范例

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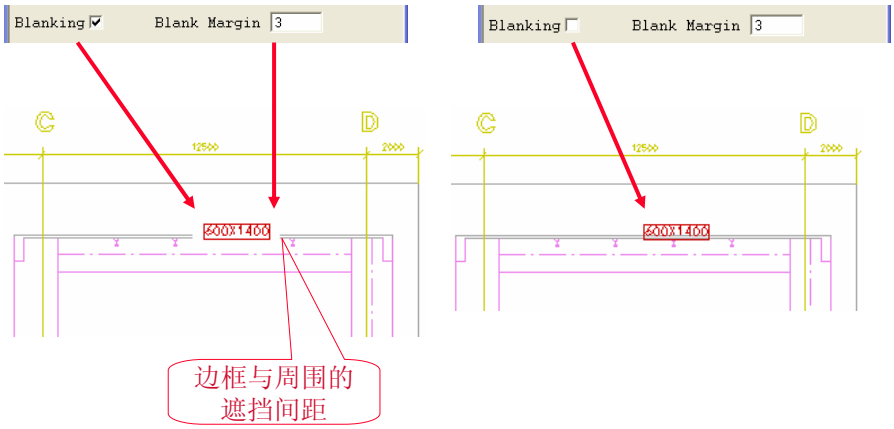
- Blanking的两种显示状态



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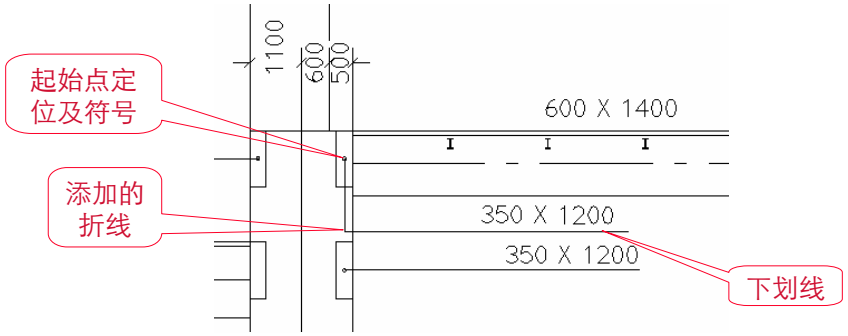
折线引线标准

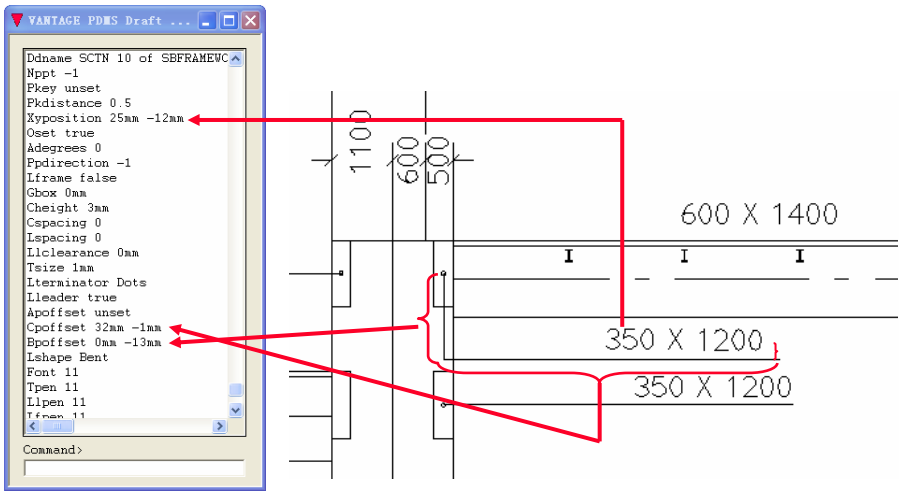
添加折线

- 在基本的引线标注上增加折线
  - 以下例子中已经关闭了标注线框



引线坐标的属性

- 引线坐标属性，通过修改当前的坐标可以直接定位引线



修改引线标注的坐标

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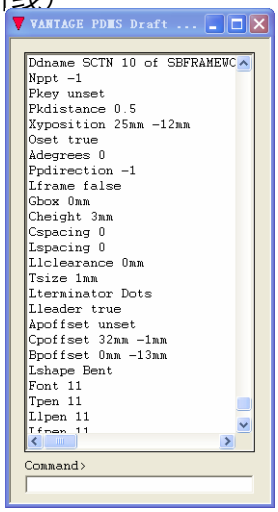
- 修改引线标注坐标（用于于垂直或水平引线）
  - Xyposition 引线标注的坐标 25mm 12mm
  - Copffset 下划线末端的坐标 32mm -1mm
  - Bpoffset 折点的坐标 0mm -13mm

注意：当引线标注的坐标Y轴的值加
下划线末端的坐标Y轴值等于
折点的Y轴值时引线处于水平
（X轴也相同能得到垂直引线）



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定位引线标注

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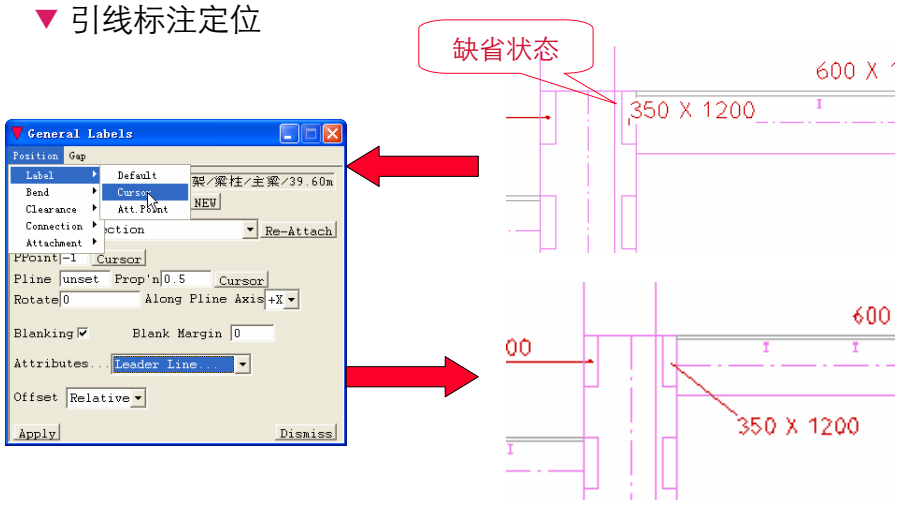
- 引线标注定位



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引线标注的属性 – 引线属性

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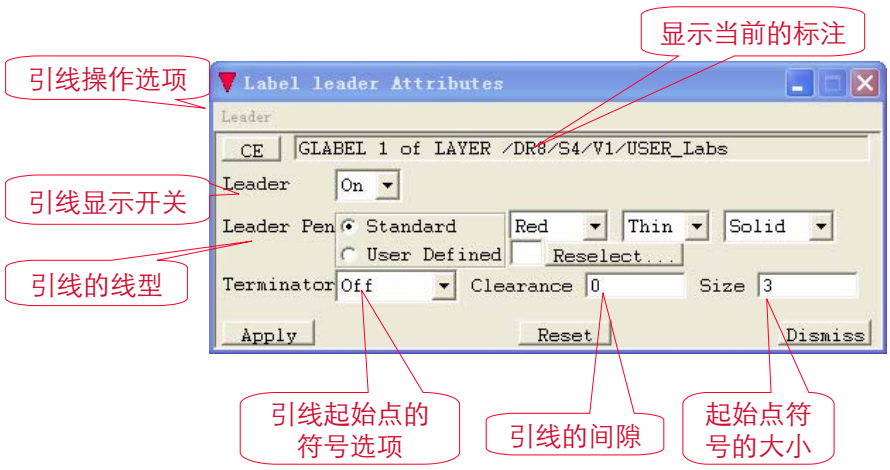
- Leader Line引线标注的引线属性



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引线操作选项

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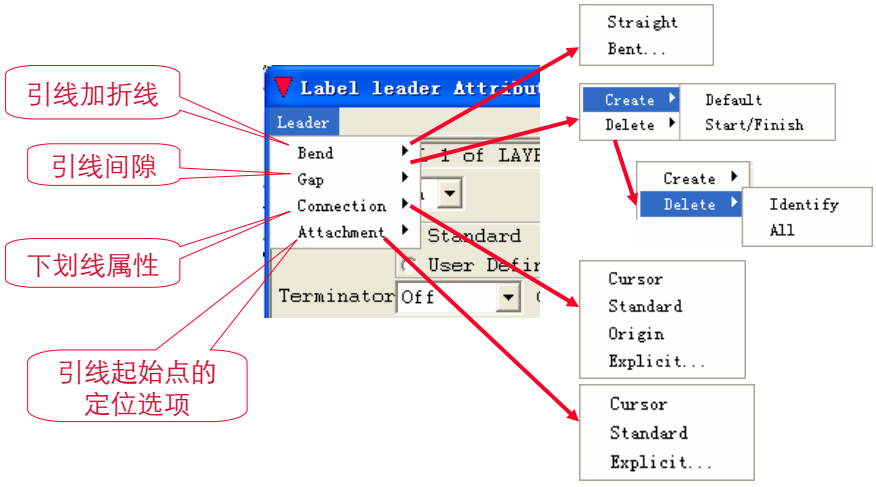
- 引线操作选项



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增加折线Bend

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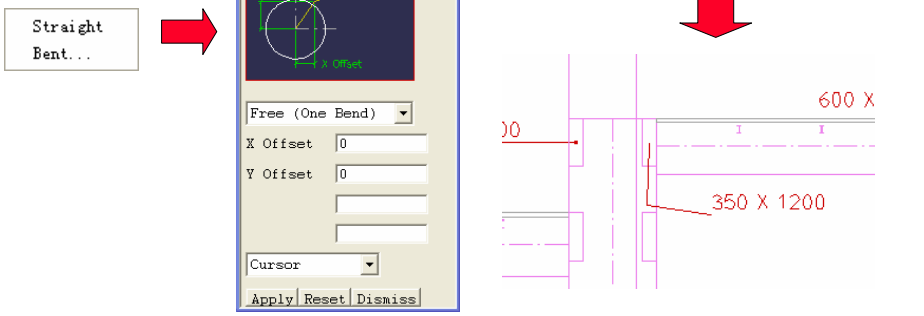
- 增加折线
  - Leader>Bend>Bent
  - 在文本框中输入坐标或Cursor定位有两种
  - 以Cursor定



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修改折线

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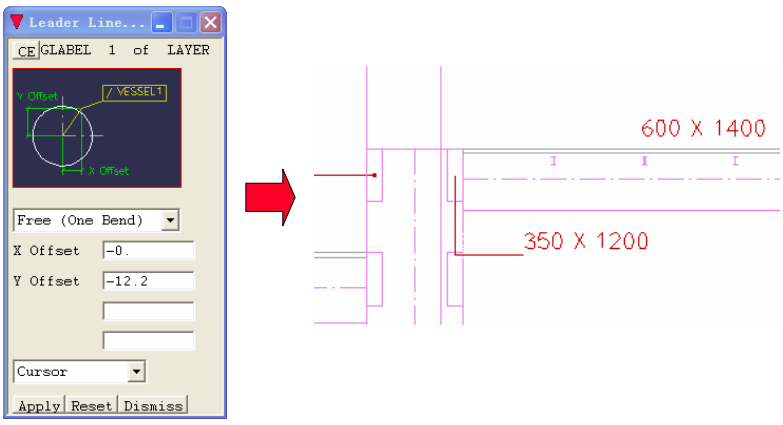
- 通过修改坐标轴的值达到水平



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修改引线的起始点符号

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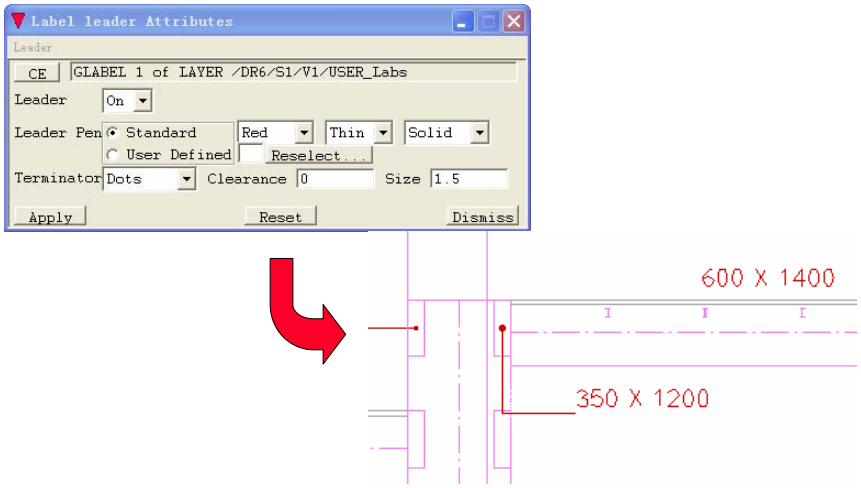
- 修改引线标注的起始点符号



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Connection

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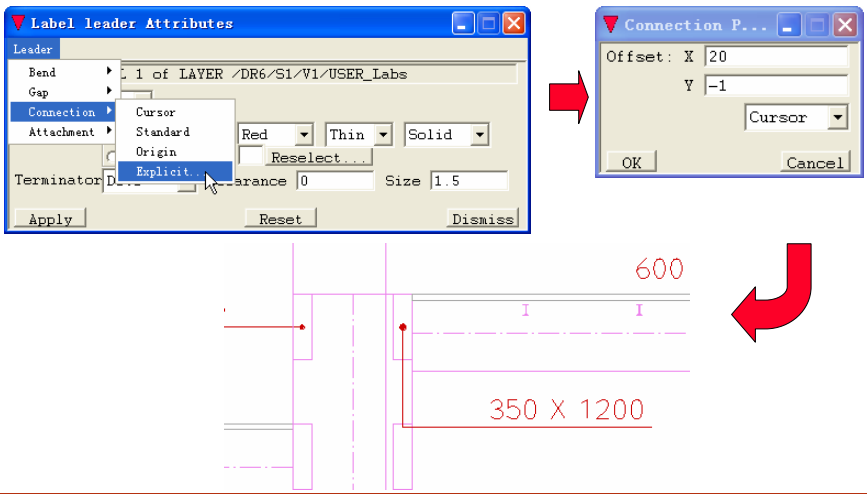
- 修改下划线末端的坐标值来重新定位



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拷贝引线标注

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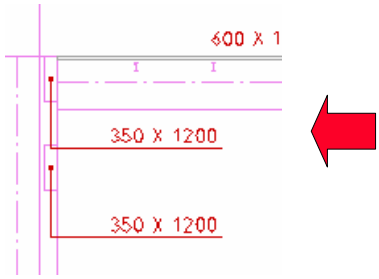
- 应用于相同类型，相同内容的标注
  - 首先定位到需要拷贝的引线标注，CE
  - 然后选择Create COPY
  - 连续选择需要创建的元件
  - 完成按“Esc”退出



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Bend的六种方式

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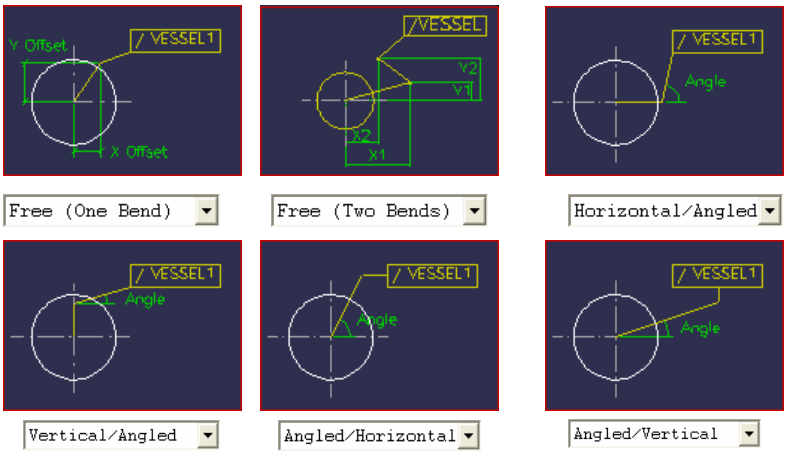
- Bend增加引线线段的六种方式



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起始点（Attchment）

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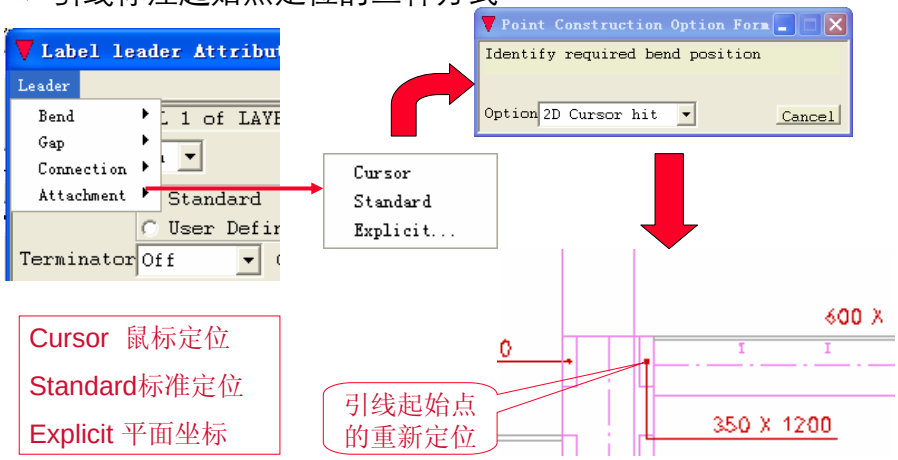
- 引线标注起始点定位的三种方式



Cursor 鼠标定位

Standard标准定位

Explicit 平面坐标

引线起始点的重新定位

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OFFSET的定位偏移方式

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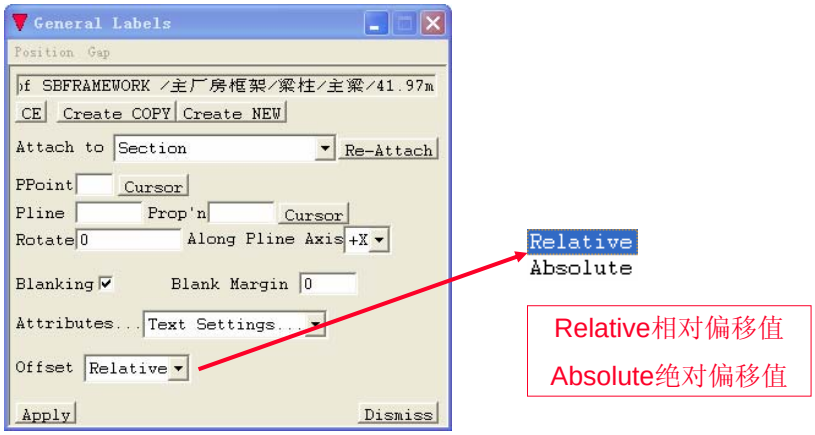
- 有两种方式：Relative相对偏移值和Absolute绝对偏移值
  - 一般都用默认的相对偏移方式



Relative相对偏移值

Absolute绝对偏移值

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练习General Label

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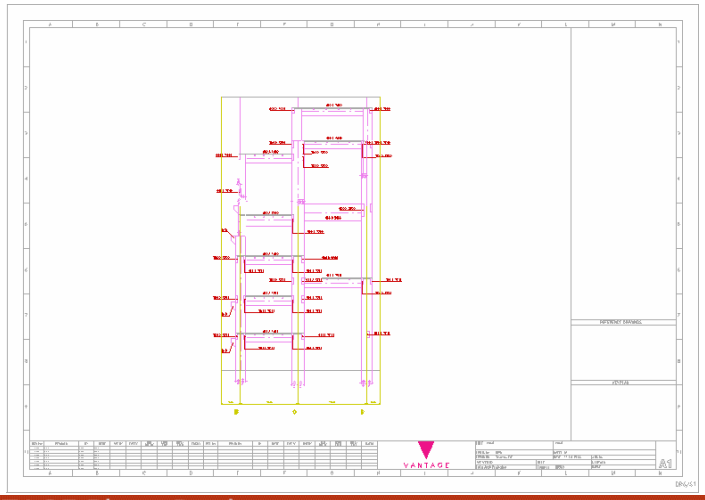
- 通用的引线标注练习



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Symbol Label

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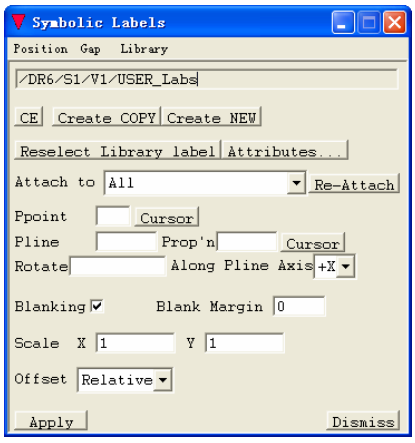
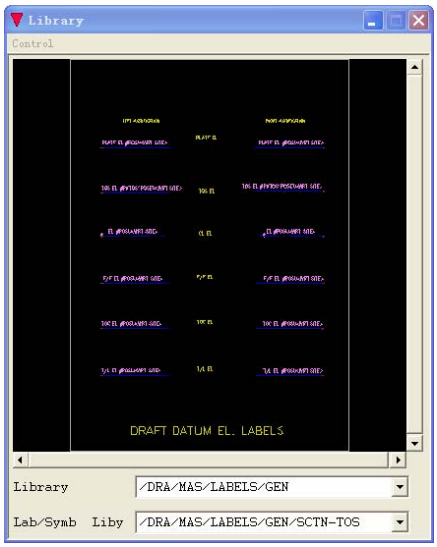
基本概念

- 引线标注模板可以减少创建引线标注的工作量
- 引线标注模板可以更方便更直接的对元件进行标注

Symbol Label界面

- 基本介绍





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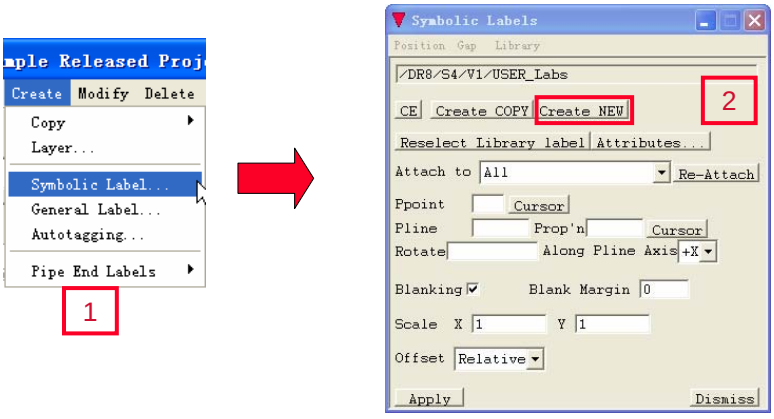
Symbol Label的简单步骤

- 选择引线符号标注的类型
- 生成引线符号标注
- 设置、修改引线符号标注
- 定位引线符号标注
- 拷贝引线符号标注

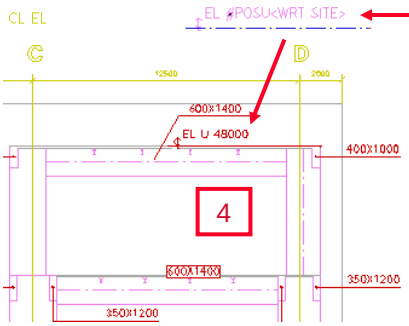
创建符号标注

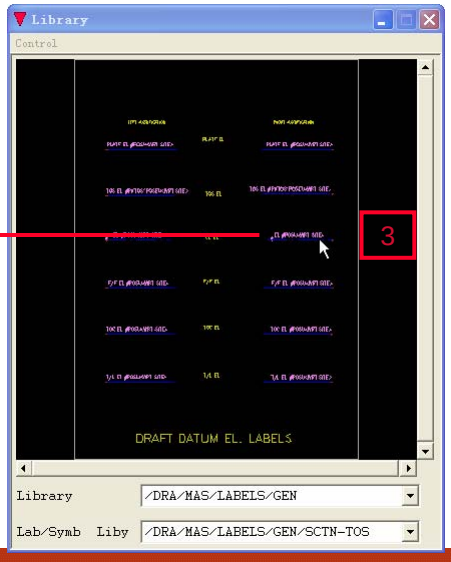
- 选择引线符号标注的类型
  - 首先选中Create NEW后点击符号



生成引线符号标注

- 选择引线符号标注的类型
  - 选中当前的符号
  - 选择视图中的元件，
  - 按”Esc”完成退出
  - 生成引线符号标注





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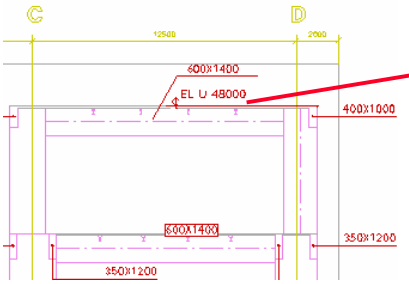
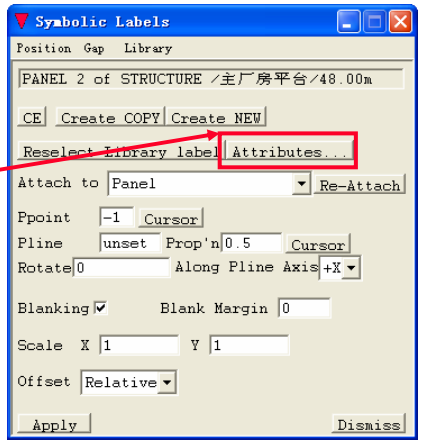
修改引线符号标注属性

- 修改标注属性
  - 首先在视图中选中需要修改的引线符号标注
  - 然后选择Attributes选项





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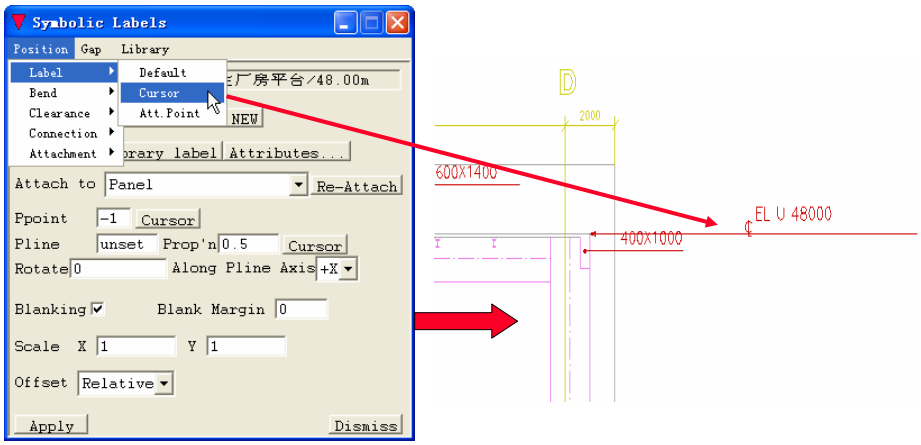
重新定位引线符号标注

- 修改标注属性
  - 首先在视图中选中需要修改的引线符号标注



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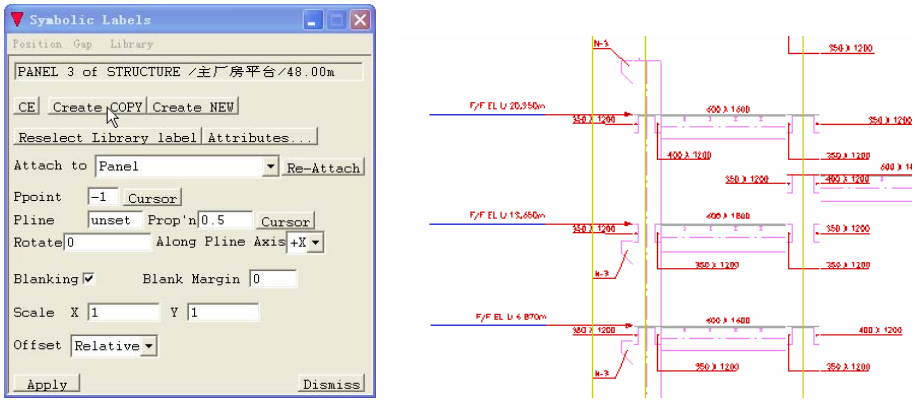
拷贝完成

- 拷贝生成引线标注



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完成的符号标注如下：

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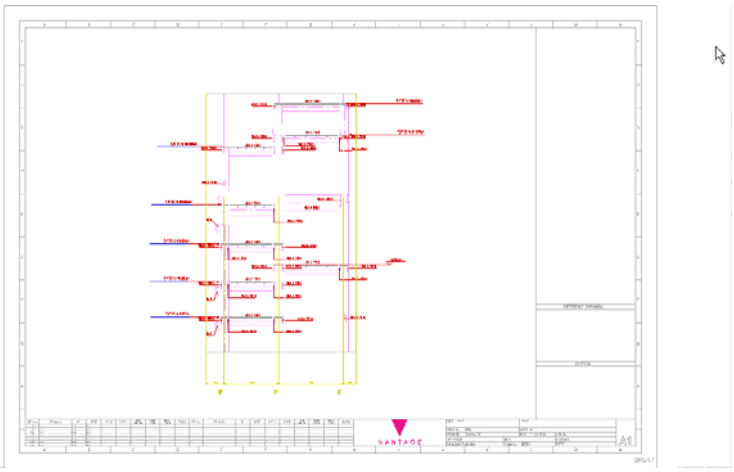
- 完成后的引线标注如下：



VANTAGE Plant Design

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