



ConTExT

title : ConTExT User Module
subtitle : Construction plans
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date : October 7, 2005


```

1 \writestatus{loading}{Typesetting construction plans}
2 \unprotect
   We need a lot of space.
3 \setuplayout[header=0pt,footer=0pt,backspace=2cm,width=middle,
   topspace=1cm,height=middle]
   Doing pagenummering on our own.
4 \setuppagenumbering[state=stop]
\setupPlan Setting up some values.
   Default setup:
       \setupPlan[Paper=A3,Project=,Author=,Prec=10]
   Example:
       \setupPlan[Paper=A3,Project=My garage,Author=Peter Münster,
       Prec=Precision factor for figure width]
5 \def\setupPlan[#1]{\getparameters[Cp][#1]}
   \setupPlan[Paper=A4,Project=,Author=,Date=,Prec=10]
   Support for more than one language!
6 \setuplabeltext[fr][project=Projet,author=Auteur,date=Date,scale=\`Echelle]
   \setuplabeltext[en][project=Project,author=Author,date=Date,scale=Scale]
   \setuplabeltext[de][project=Projekt,author=Autor,date=Datum,scale=Ma\ssharp
   stab]
\Plan Makes a page with a plan and some comments below it.
   Example:
       \Plan[Prefix=file prefix,Scale=scale of figure,mm=width of figure in mm,
       Title=title of plan]
   If you want to include the file plan-20000.eps you have to use Prefix=plan,mm=20000.
   Sample document:
       \usemodule[construction-plan]
       \mainlanguage[fr] % or better: \usemodule[french]
       \starttext
       \Plan[Prefix=situ,Scale=2000,mm=351000,Title=Plan de situation]
       \Plan[Prefix=masse,Scale=400,mm=66000,Title=Plan de masse]
       \Plan[Prefix=nord,Scale=100,mm=20906,Title=FaÃgade nord]
       \Plan[Prefix=sud,mm=18900,Title=FaÃgade sud]
       \Plan[Prefix=west,mm=23390,Title=Pignon ouest]
       \Plan[Prefix=ost,mm=23513,Title=Pignon est]
       \Plan[Prefix=rdc,mm=18456,Title=Rez-de-chaussÃre]
       \Plan[Prefix=etage,mm=16695,Title=Ãltage]
       \Plan[Prefix=haus1,Scale=150,mm=30000,Title=Simulation 1]
       \Plan[Prefix=haus2,Scale=100,mm=20000,Title=Simulation 2]
       \stoptext

```

Construction plans

```

7 \def\@BottomLine{\tx\doifsomething\CpProject{%
    \labeltext{project}: \CpProject, }%
    \doifsomething\CpAuthor{\labeltext{author}: \CpAuthor, }%
    \labeltext{date}: \doifelsenothing\CpDate\currentdate\CpDate}\hfill}

8 \newdimen\CpWidth \newdimen\CpHeight
\def\Plan[#1]{%
    \getparameters[Cp][#1]
    \CpWidth=\dimexpr(\the\numexpr(\CpPrec*\Cpmm/\CpScale)mm/\CpPrec)
    \def\CpFig{\externalfigure[\CpPrefix-\Cpmm][width=\the\CpWidth]}%
    \setbox\scratchbox\hbox{\CpFig}\CpHeight=\ht\scratchbox
    \ifdim\CpWidth>1.2\CpHeight
        \setuppapersize[\CpPaper,landscape,rotated][\CpPaper]
    \else
        \setuppapersize[\CpPaper][\CpPaper]
    \fi
    \startstandardmakeup
    \midaligned{\CpFig}\vfil\@BottomLine
    \framed[align=lohi,offset=2ex]{\bfc\CpTitle}\blank
    \labeltext{scale}: 1/\CpScale\quad\hfill(\currentpage/\lastpage)}%
    \vskip0pt plus -1fil
    \stopstandardmakeup}

```

`\NoPlan` Makes a page with some content and some comments below it.

Example:

```

    \NoPlan[Title=Some notes]{Here are some notes about the plans.}

9 \long\def\NoPlan[#1]#2{%
    \getparameters[Cp][#1]
    \setuppapersize[\CpPaper][\CpPaper]
    \startstandardmakeup
    #2\vfil\@BottomLine
    \framed[align=lohi,offset=2ex]{\bfc\CpTitle}\blank
    (\currentpage/\lastpage)}\vskip0pt plus -1fil
    \stopstandardmakeup}

10 \protect

11 \doifnotmode{demo}{\endinput}

12 \usemodule[construction-plan]
    \setupPlan[Paper=A6,Project=Animals,Prec=50]
    \starttext
    \Plan[Prefix=spider,Scale=5,mm=300,Title=A spider]
    \stoptext

```

\NoPlan 2

\setupPlan 1

\Plan 1

