

Details

Details. For each detail in the scheme, an individual file will need to be made - if you have 20 details they will be in 20 different files.

new	open a new 2d.dgn file
working units	set working units
save settings	save settings
cell	open the cell library under the settings menu
attach	attach the graphic symbols directory - z:\ustation\wsmo\default\cell\archpa.cel
save settings	save settings at this point it may make sense to copy the file for other details or make it a master to copy as you need for other details. create your detail - keep in mind the final scale relationship to the 24" x 36" sheet size. (i.e. for lettering to be consistent for all details). If the lettering is going to be 1/8" tall on the 24" x 36" sheet and your desired detail scale is: 1" = 1'-0" then letters should be 1.5" tall 1" = 2'-0" then letters should be 3" tall 1" = 4'-0" then letters should be 6" tall 1" = 8'-0" then letters should be 12" tall - in the file. IMPORTANT - when using cell information for patterns make sure that <u>associative pattern</u> is turned off (or the pattern will not scale with the detail later).
save settings	save settings
compress	compress the file
exit	choose exit from the file menu

Drop dimension. When the detail is ready for inclusion into the library package, and prior to closing the detail file, one additional thing needs to be done. For all of the dimension information to travel to the library package without unintended changes by the program, dimension element needs to be dropped.

select the entire detail image using the element selection tool - the arrow (the selection box surrounds the entire detail image, dimensions, and call-outs)

key in DROP DIMENSION and press [RETURN].

the detail file can now be closed and referenced into the library.dgn package

save settings

save settings

compress

compress the file

exit

choose **exit** from the file menu - or **close** if more work is to be done in Microstation

Reference and copy. Once the details have been completed and the content is to the required level to construct the objects, they will need to be put in the appropriate place on sheets in the drawing package.

reference

open the library package file (originally library.dgn)

in the file menu choose **reference**

attach

in the dialog box Reference Files Tools menu choose **attach**

highlight the appropriate detail file and choose OK

scale

the detail will appear on the screen. To scale the detail, choose **scale** in the Tools menu.

two boxes will need to be filled with the appropriate information.

_____ : _____

if the desired scale of the detail is to be 1" = 4'-0", then the ratio in the boxes should read 1.000 : 1.000.

if desired is: then ratio should read:

1" = 8'-0" 1.000 : 2.000

1" = 2'-0" 2.000 : 1.000

1" = 1'-0" 4.000 : 1.000

When the detail reference file is at the desired scale, copy and place it in an appropriate location on a sheet and level.

attachment

to copy, choose **attachment** from the settings menu in the reference file display box. Highlight the detail file, turn on •display, •snap, •locate. Choose **OK**.

select the reference detail using the fence tool

copy

use the **copy** tool from the manipulate element menu to copy and place the copy away from other objects on the screen.

while the fence is active, change the level of the new detail (it is probably on the active level prior to change). The detail can now be placed into a specified location on a detail sheet.

when everything is as desired with the copied detail, detach the reference file.

detach

choose **detach**

OK

choose **OK**