

# Bounstool

CADian 2020



## CONVERT FONT (cvs)

Command : cvs

### Training

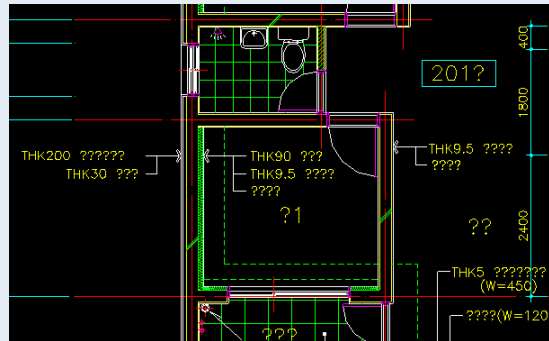
Convert a drawing's fonts at once

### NOTE

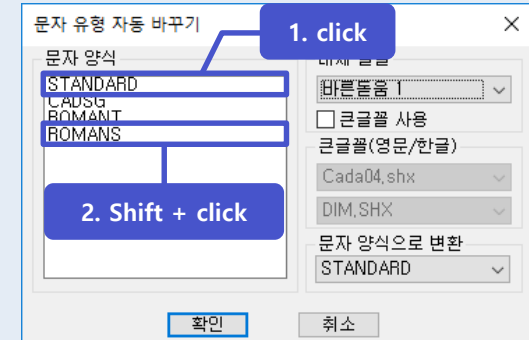
- It should be used with caution because the width ratio may vary depending on the font.



### convert font.dwg OPEN

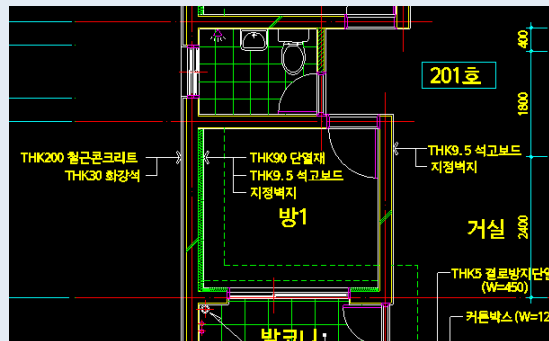


### "Command : "cvs enter

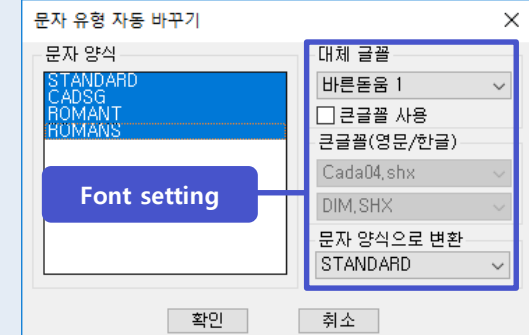


Select all text styles

### Font conversion confirmation



### Font setting

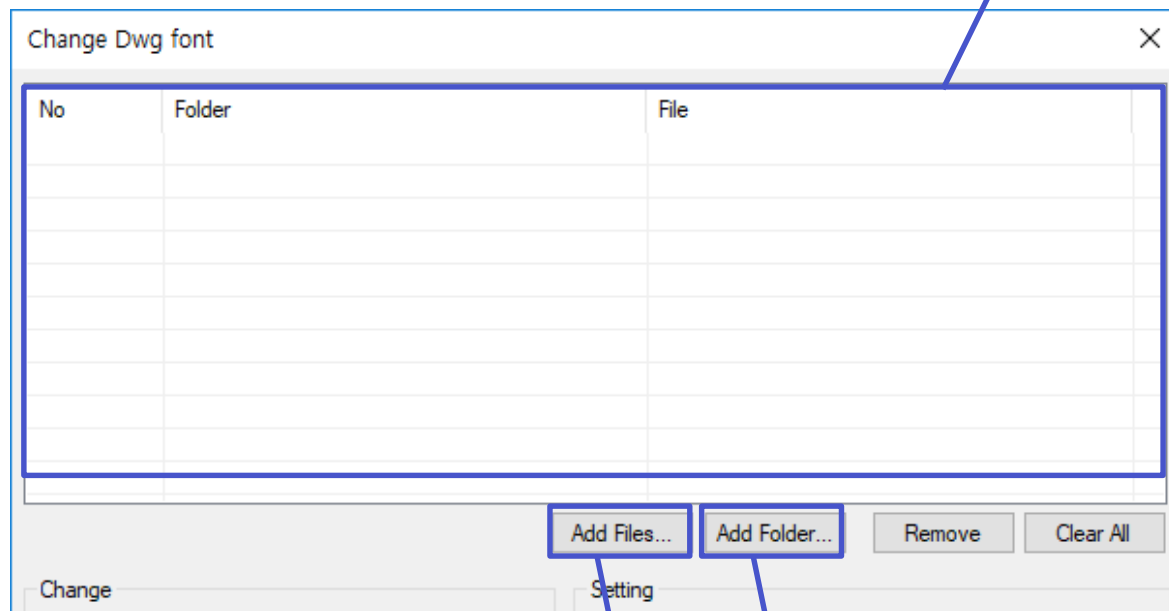


Set the font and click the OK button

# ◆ Convert fonts without opening drawings

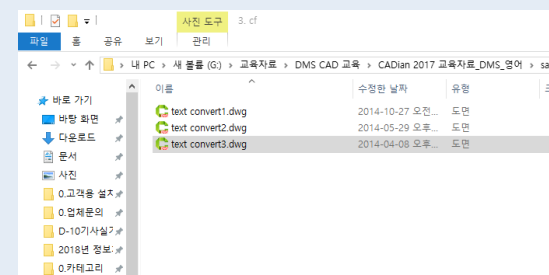
## Convert fonts without opening drawings (cf) -1

Commnad: cf



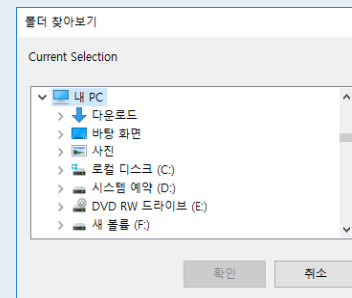
Drawing List

### 1 Add Files



Add files individually from explorer

### 2 Add Folders

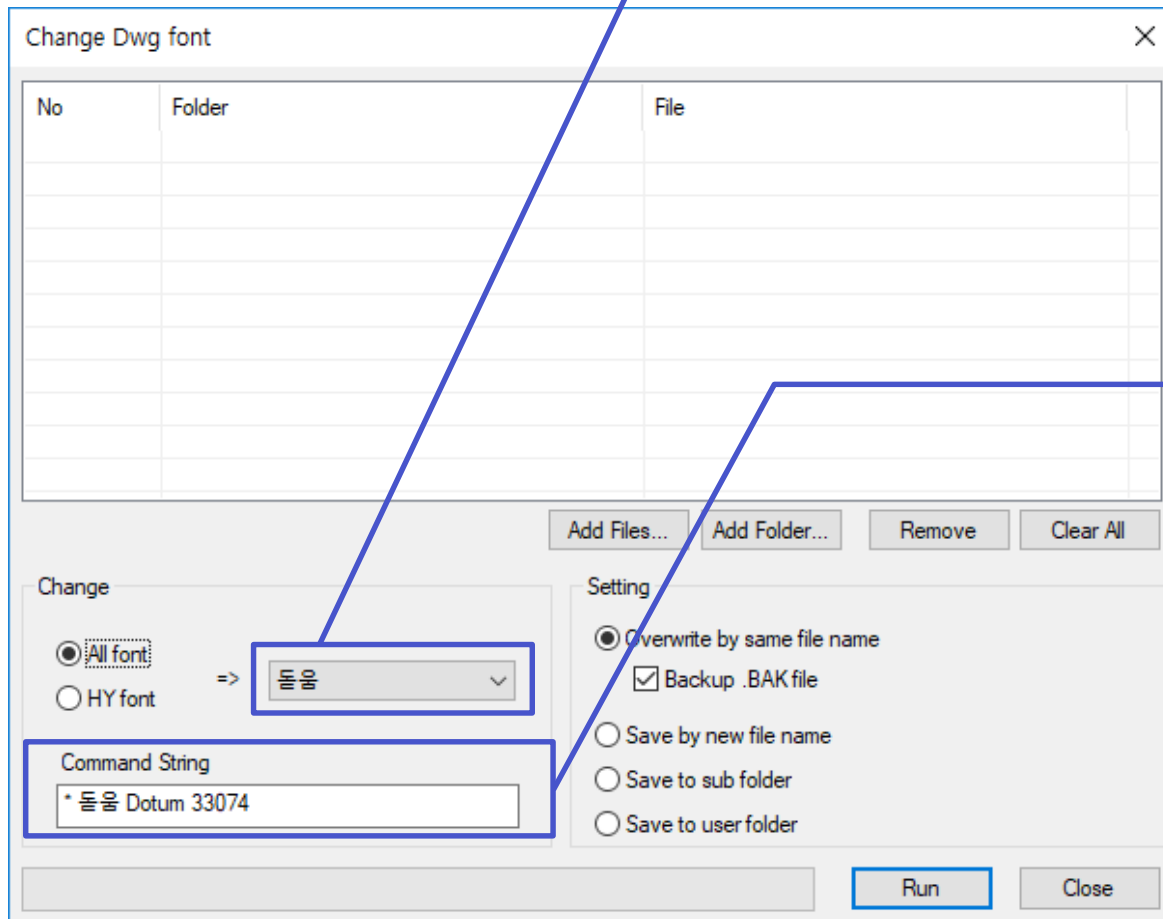


- Add all drawings of the selected folder
- If there is a folder in the folder, you have to add it separately

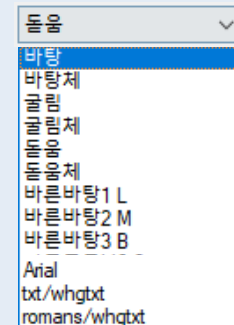
# ◆ Convert fonts without opening drawings

## Convert fonts without opening drawings (cf) -2

Commnad: cf



### Select font list



Select from combo box

### Custom Fonts

Command String

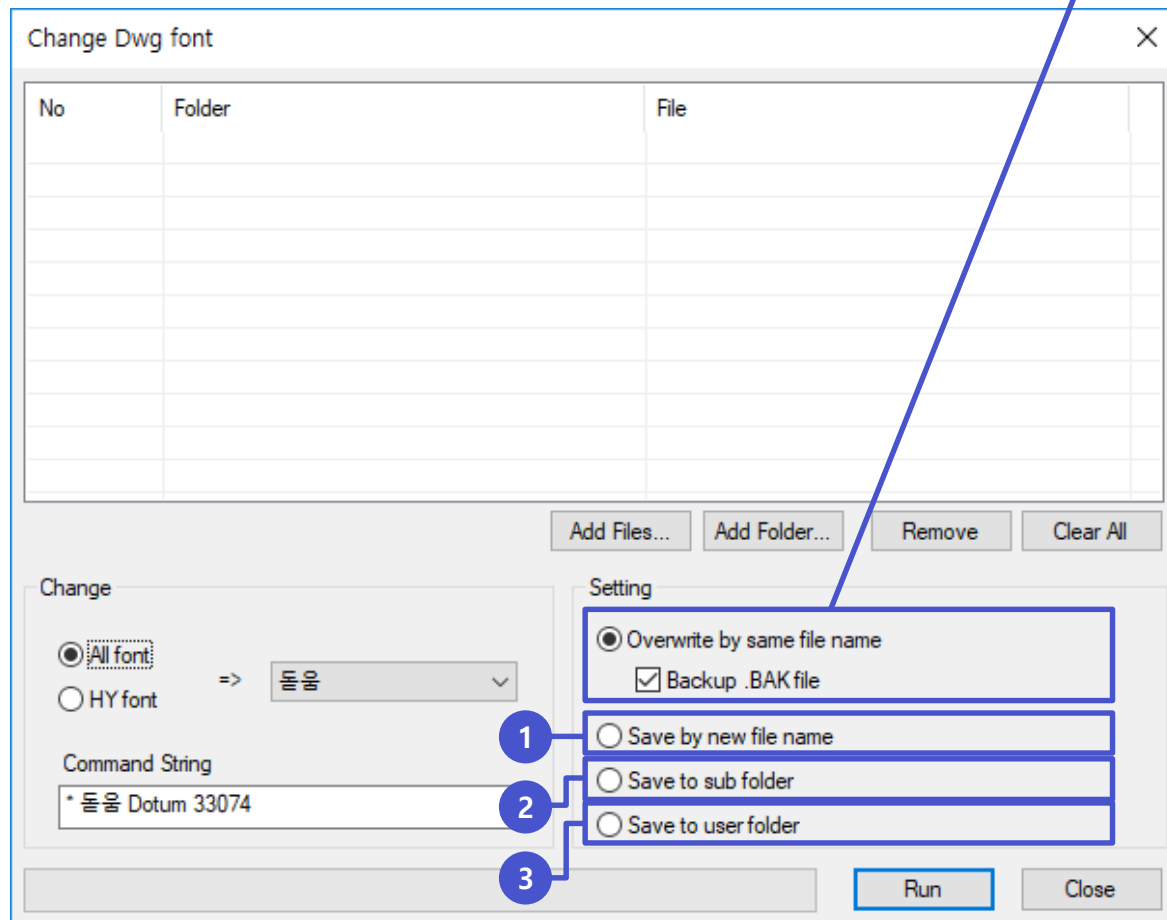
\* romans.shx/whgbxt.shx

- NOTE : Write and space "\*"
- CAD font :
  - \* shx font / Big font
  - EX) \* txt.shx/whgbxt.shx
- Windows Font :
  - \* Font Name
  - EX) \* Arial

# ◆ Convert fonts without opening drawings

## Convert fonts without opening drawings (cf) -3

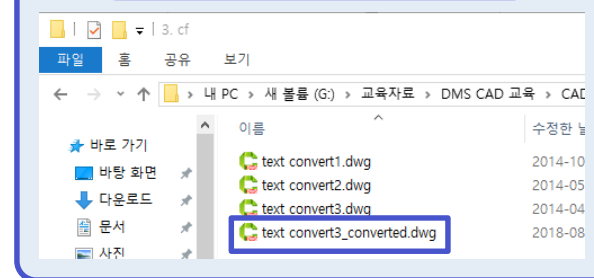
Commnad: cf



Overwrite

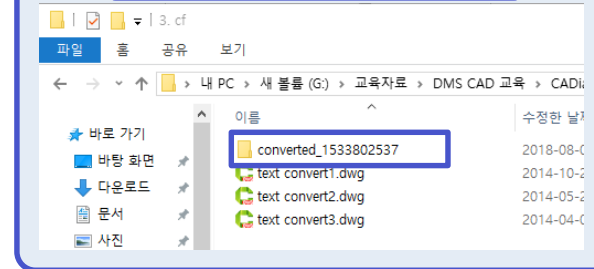
1

Save as new file



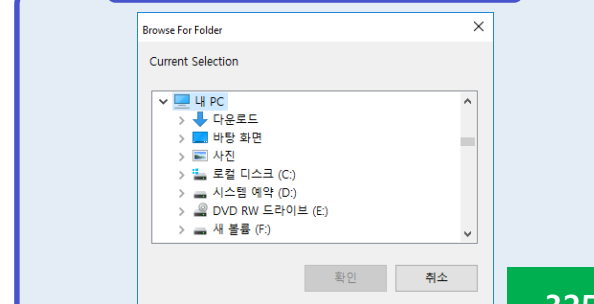
2

Save to sub folder



3

Save to user folder



# ◆ Convert fonts without opening drawings

## Convert fonts without opening drawings (cf) -4

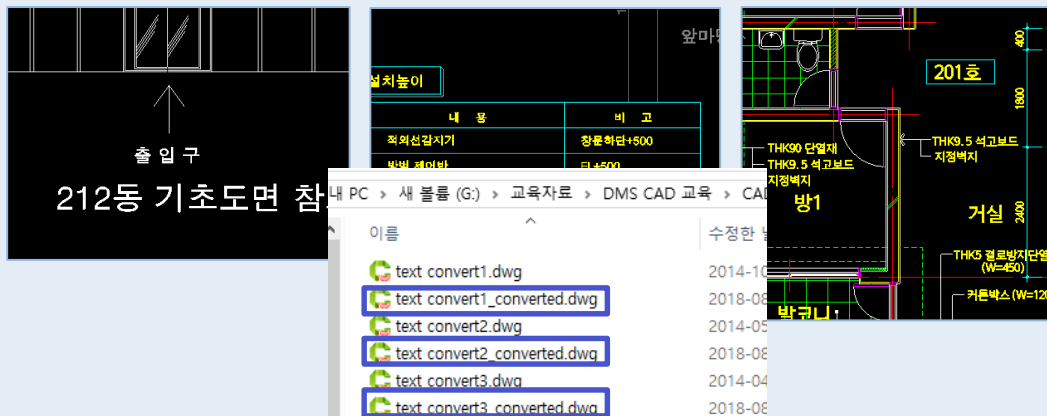
Commnad: cf

"command : "cf enter

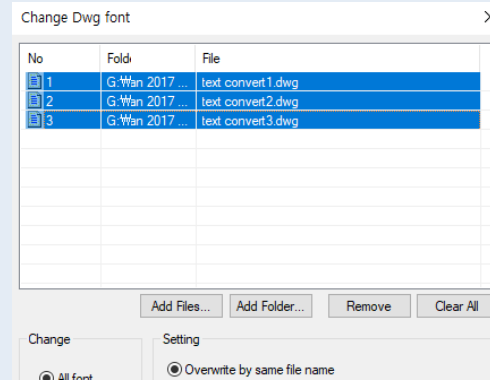
### Training

Convert fonts without opening drawings

### Font conversion confirmation



### Select three sample drawings

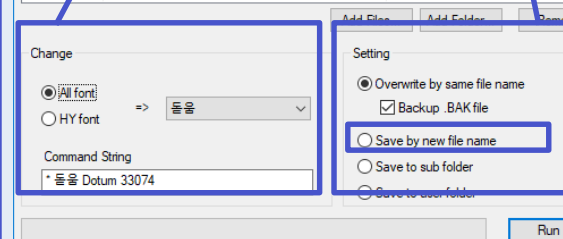


Convert drawings in folders : [Add Folder]

### Font and Save Settings

#### 2. Save setting

#### 1. Font setting



Set the font and click the OK button

## Drawing clouds (dcloud) -1

Command : dcloud



### Cloud Shape

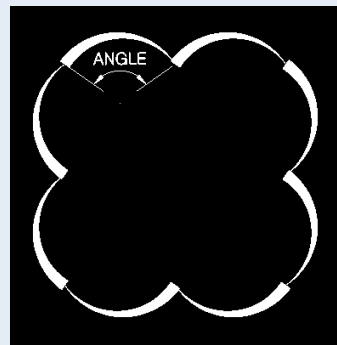
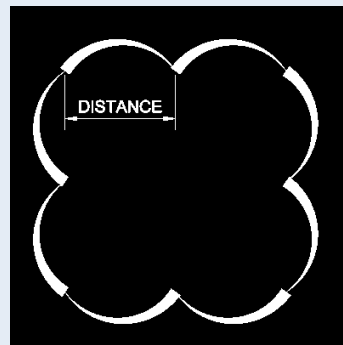
Cailligraphy



Normal



### Set Arc of Clouds



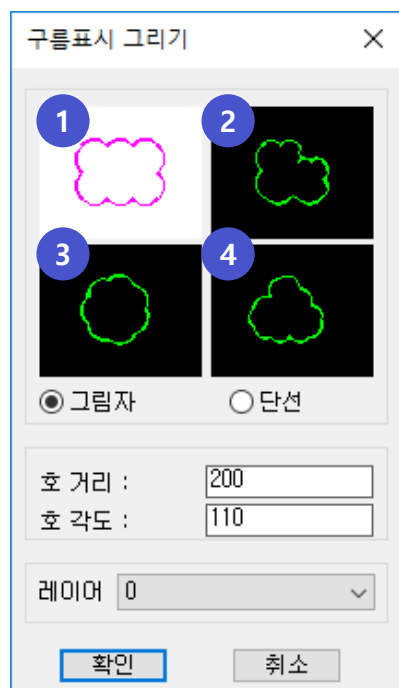
### Layer

0  
Defpoints  
A-세면기  
FIN  
A-경량벽(해치)  
A-조적(해치)  
INS  
CEN  
A-MC  
A-석고보드  
A-마감  
A-보일러  
A-단기입면-B  
X-84C\$0\$A-창호창  
A-실외기  
A-세탁기  
A-창호문  
I-F-DOOR  
A-창호창  
A-오픈  
F  
A-벽조적  
A-타일  
A-투시형난간  
X-84B\$0\$A-보입면선  
A-단열  
A-스틸  
AFIN  
AETC  
TILE

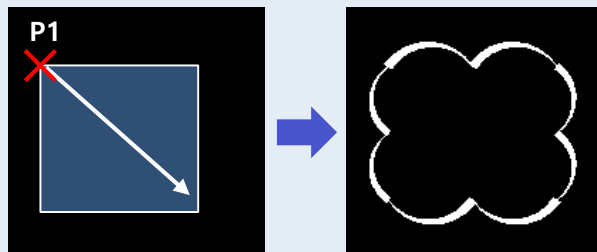
Select layer of current drawing

## Drawing clouds (dcloud) -2

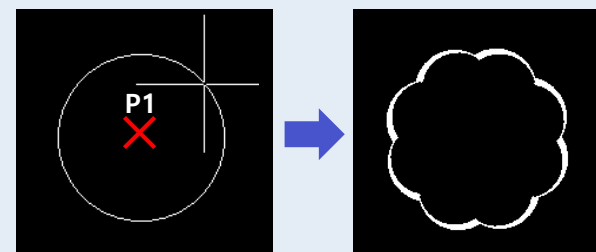
Command : dcloud



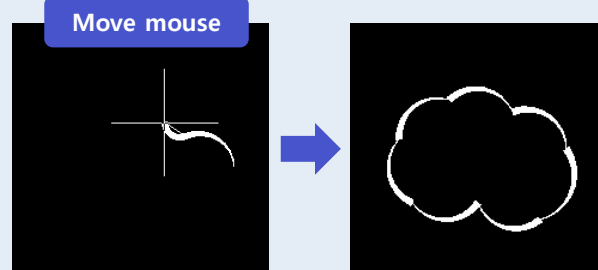
### 1 Draw with rectangle



### 3 Draw in circle



### 4 Freehand drawing

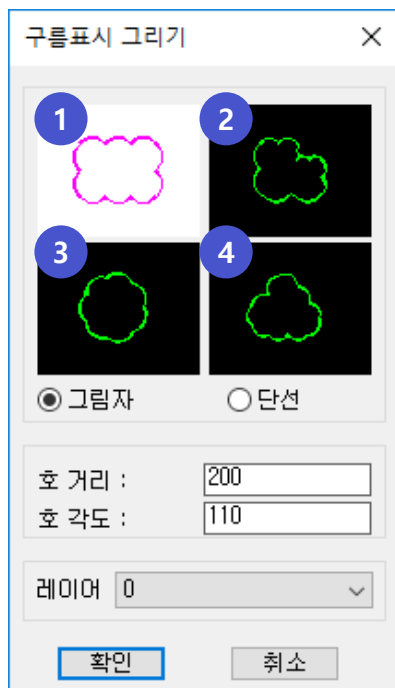


Move the mouse to create an arc until it is connected

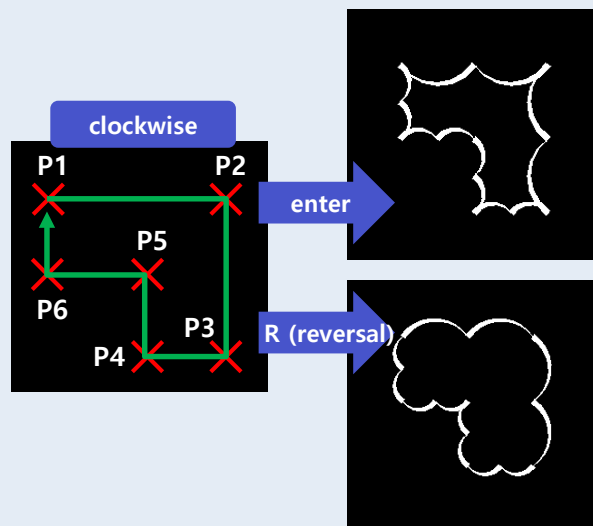


## Drawing clouds (dcloud) -3

Command : dcloud



### 2 Draw with lines



※ Details of arc direction

- Counterclockwise:  
Draw the ARC to the outside
- Clockwise:  
Draw the ARC to the inside

### NOTE

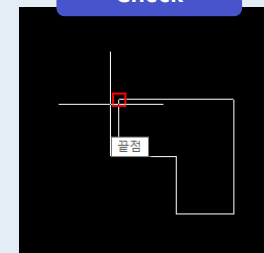
※ How to activate the osnap



### Click and osnap setting (F3)



### Check



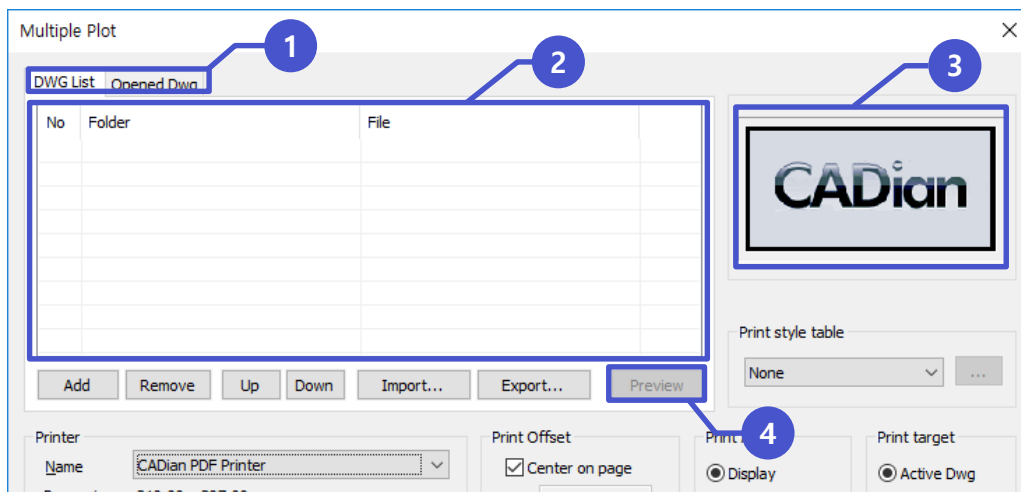
# XTOOL

CADian 2020



## Mutiple plot -1

Command : mplot



### 1 List Tab

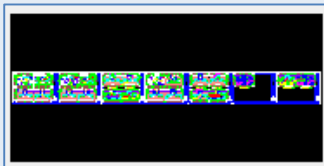
- DWG List : List with file added
- Opened Dwg : Drawings currently open in cad

### 2 List

No	Folder	File
1	N:\WCADian\WCADian 교육자료\WCA...	mplot.dwg
2	N:\WCADian\WCADian 교육자료\WCA...	mplot1.dwg

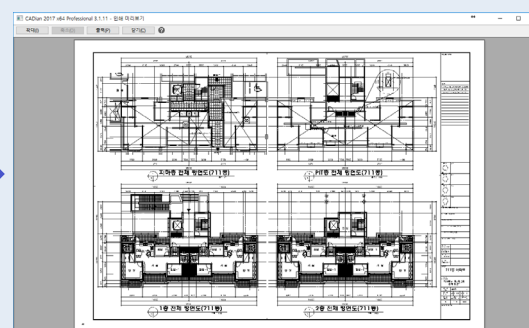
### 3 Preview (Drawing)

No	Folder	File
1	N:\WCADian\WCADian 교육자료\WCA...	mplot.dwg
2	N:\WCADian\WCADian 교육자료\WCA...	mplot1.dwg



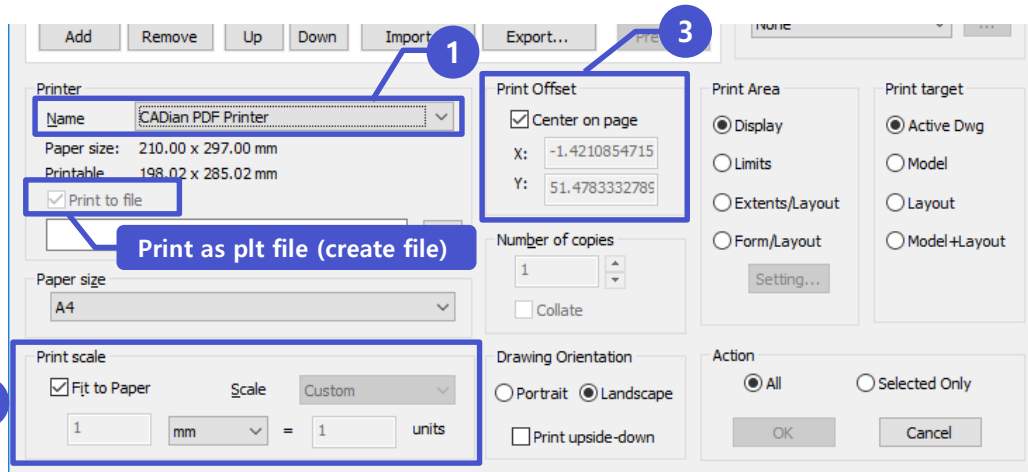
### 4 Preview (PLOT)

File Name	List	Size	Scale	Location
mplot.dwg	FOMA1_6	59400 X 84100	1:200.238	203098.7
	FOMA1_4	59400 X 84100	1:200.238	287198.7
	FOMA1_3	59400 X 84100	1:200.238	371298.7
	FOMA1_7	59400 X 84100	1:200.238	455398.7
	FOMA1_5	59400 X 84100	1:200.238	539498.7
	FOMA1_2	59400 X 84100	1:200.238	623598.7
	FOMA1_1	59400 X 84100	1:200.238	707698.7



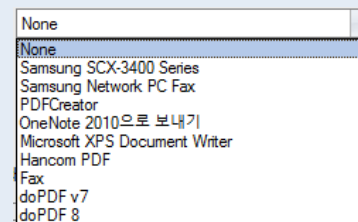
## Mutiple plot -2

Command : mplot



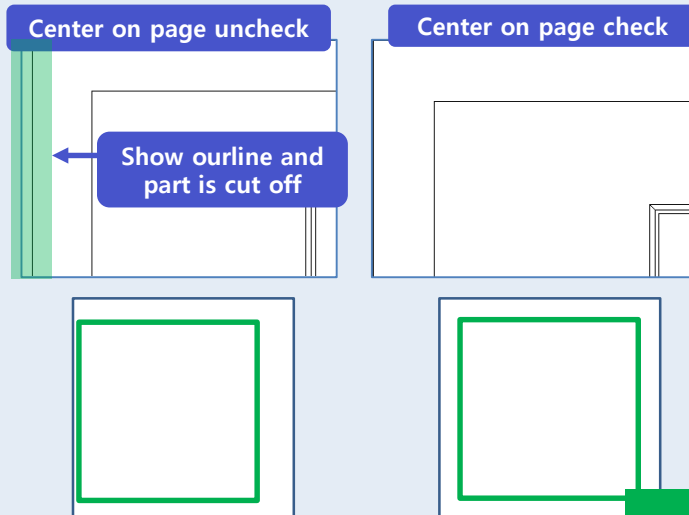
Print as plt file (create file)

### 1 Printer Name



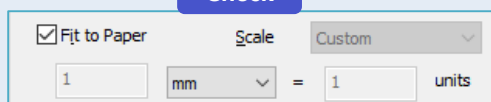
Show currently installed printers and printer drives

### 3 Print Offset



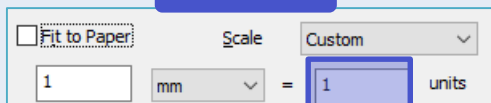
### 2 Print Scale

Check



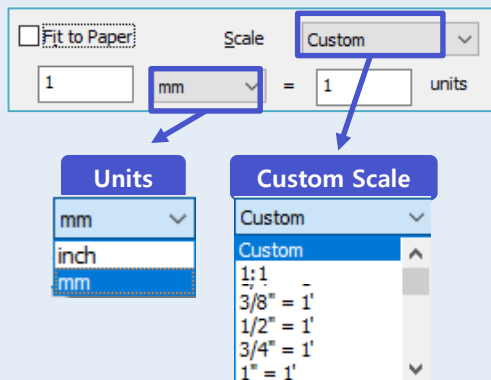
Automatically calculates the scale for the print area

Uncheck



Custom Scale

### 2 Print Scale (Uncheck)



## Command : mplot



Print to file (only PDF)

None

None

Samsung X4300 Series (61.97.120.209)

Samsung X4300 Series

Samsung Network PC Fax

PDFCreator

PDF Architect 4

OneNote 2010으로 보내기

Microsoft XPS Document Writer

Microsoft Print to PDF

HP DesignJet 500 24 by HP

Hancom PDF

FX DocuPrint C3300 DX PCL 6

FX DocuCentre-V C2263 PCL 6

FX ApeosPort-V C3375 T2 PCL 6

Fax

doPDF 8

Canon iR2525/2530 UFR II LT

CADian PDF Printer

HP DesignJet 500 24 by HP 1000.pc3

HP DesignJet 500 24 by HP test.pc3

Select CADian PDF Printer

Print to file

C:\Users\Wyuheon\Desktop\Wmplot

Browse For Folder

Current Selection

내 PC

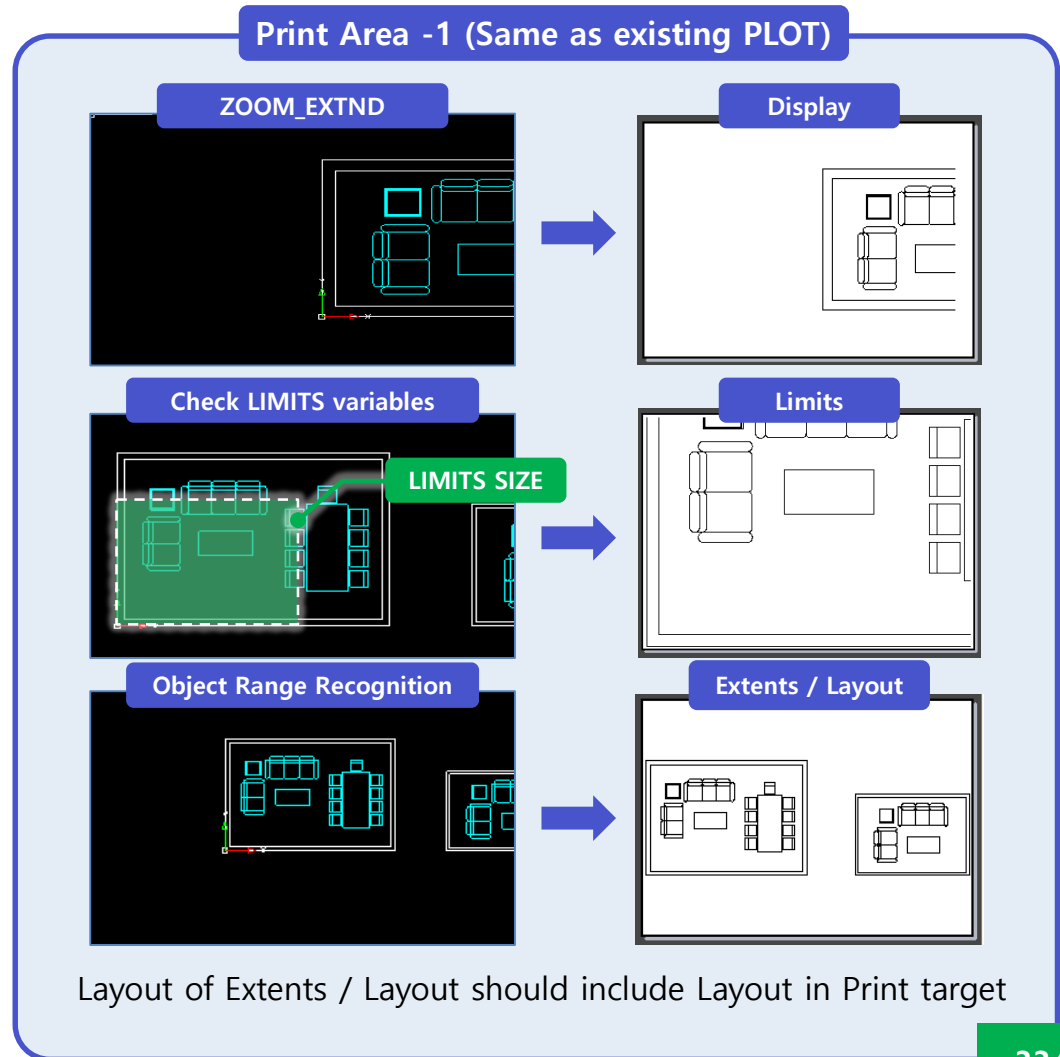
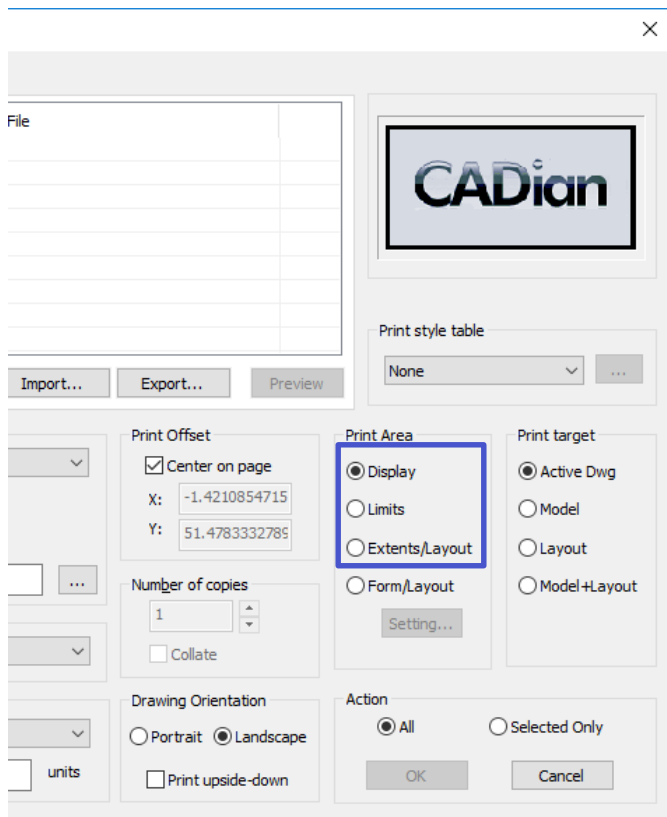
- > 다운로드
- > 바탕 화면
- > 3D 개체
- > 문서
- > 사진
- > 로컬 디스크 (C:)
- > 시스템 예약 (D:)
- > DVD RW 드라이브 (E:)
- > 새 볼륨 (F:)

확인 취소

Generate PDF with path selected in step 2

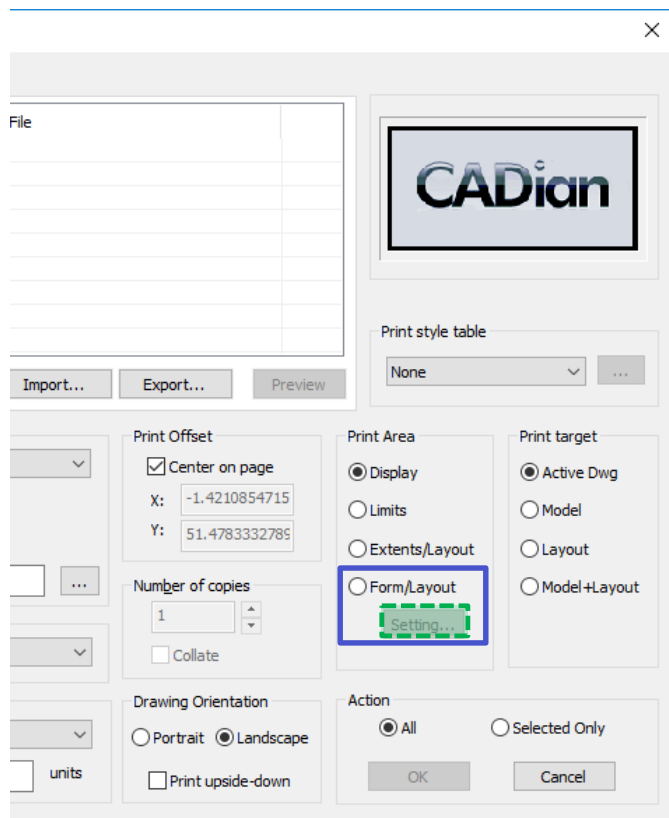
## Mutiple plot -4

Command : mplot

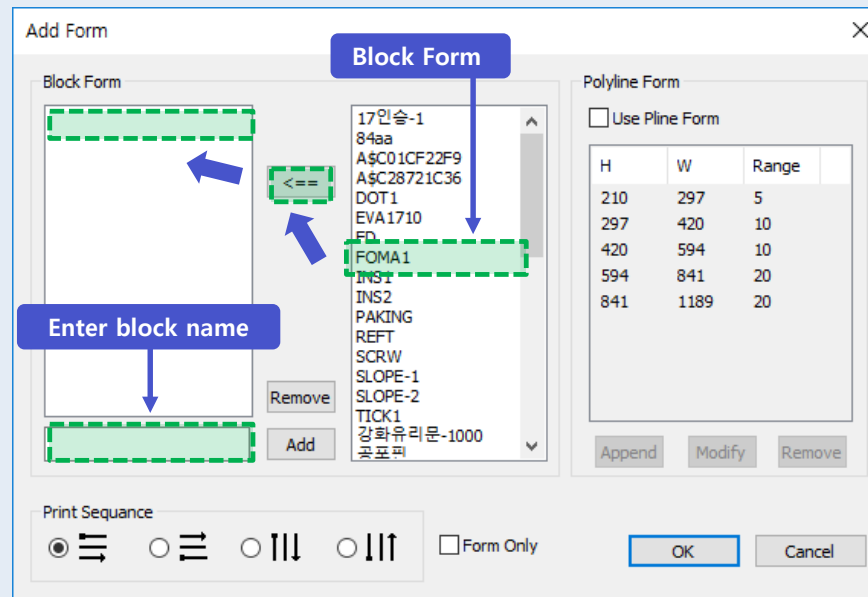


## Mutiple plot -5

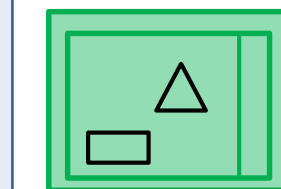
Command : mplot



## Print Area -2



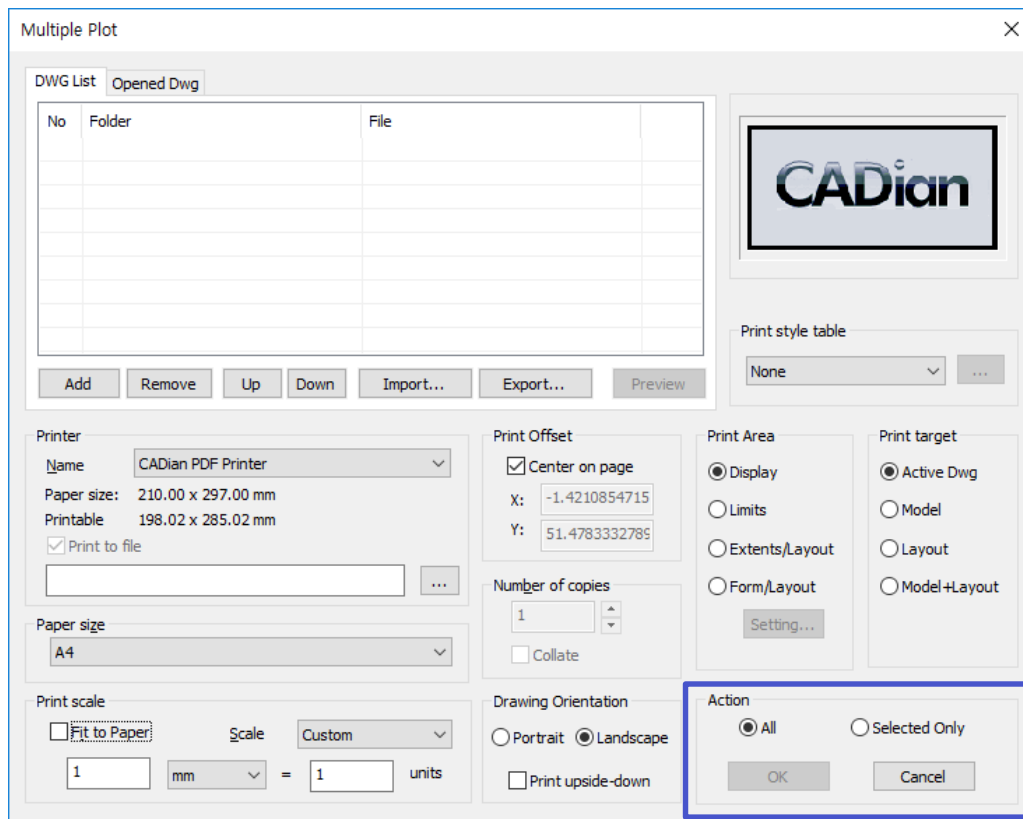
## Drawing form is in block



- How to recognize blocks and objects in blocks
- **Drawing form must be block**

## Mutiple plot -6

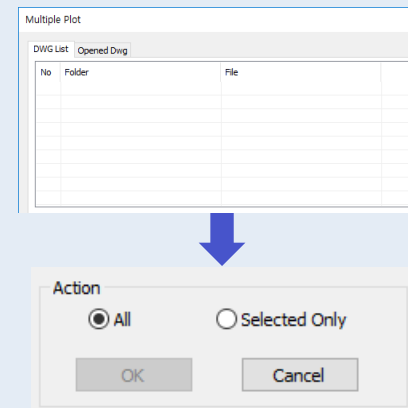
Command : mplot



## Execution

No	Folder	File
1	N:\WCADian\WCADian 교육자료\WCA...	mplot.dwg
2	N:\WCADian\WCADian 교육자료\WCA...	mplot1.dwg

- . All :  
Apply all drawings in list
- . Selected Only :  
Apply only the drawings selected in the list
- . If the list item is empty,  
the OK button is disabled





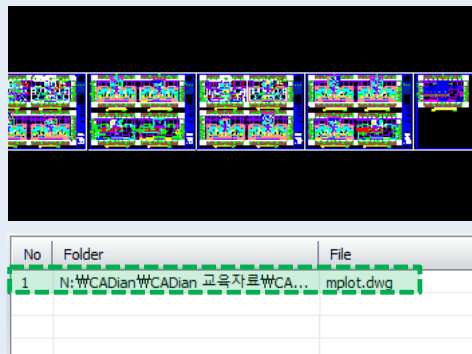
## Mutiple plot -7

How to mplot

### Training

Printing multiple drawings at once  
(drawing form is block)

### mplot excute



Select mplot.dwg after adding files

### Dialog Settings

Printer : Choose anything

Paper Size : A3

Plot Scale : Fit to Paper

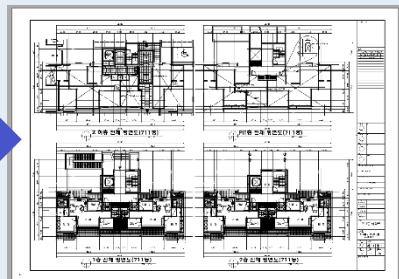
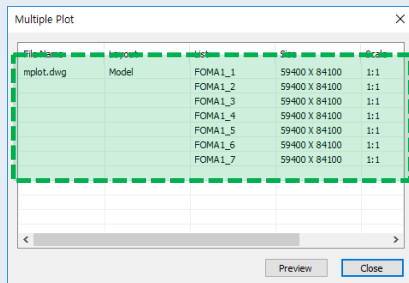
Print Offset : Center on page

Print target: Model

Print style table :  
Monochrome.ctb

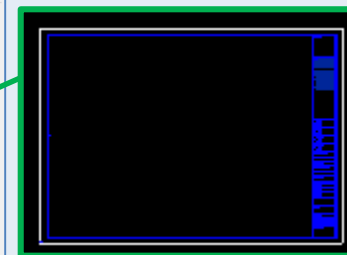
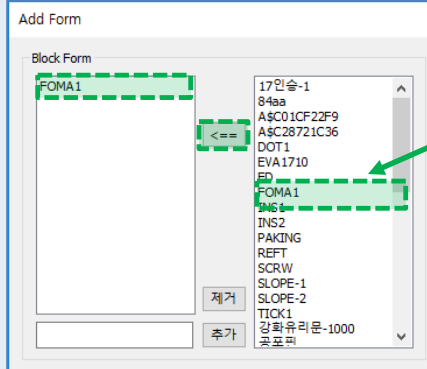
Drawing Orientation : Landscape

### Preview and print



Click on the list to preview

### Drawing form settings



Move Drawing Form Block to Block Form

# ◆ EXCEL FUNCTION (ONLY MS EXCEL)

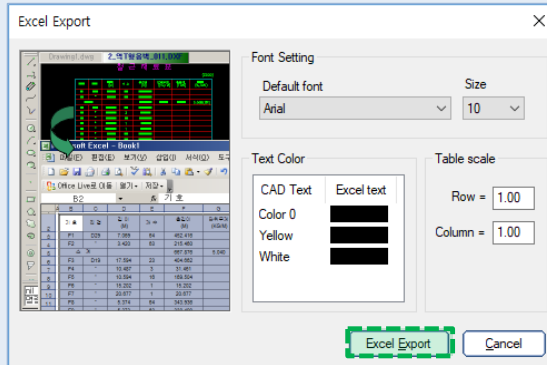
## Export to Excel

Command : xtexport

### XTEXTORT Process

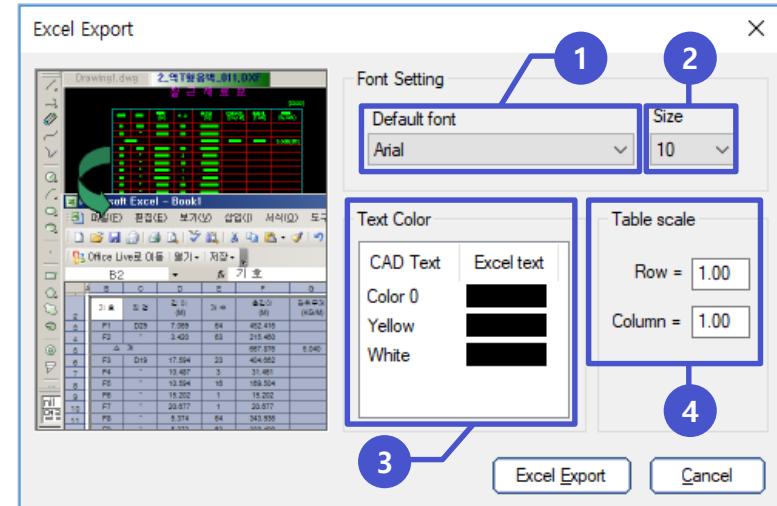
Select table from cad

No.	Description	Material	Model	Size
1	VARIABLE SPRING HANGER	-	VHT-C	19
2	WELDING LUG	A36	WLE	M48
3	HANGER ROD	A36	THRR	M48x1550L
4	HANGER ROD	A36	THRR	M48x2000L
5	ROD COUPLING NUT	A36	RCN	M48



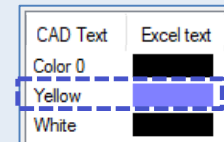
Confirm output to Excel

No.	Description	Material	Model	Size
1	VARIABLE SPRING HANGER	-	VHT-C	19
2	WELDING LUG	A36	WLE	M48
3	HANGER ROD	A36	THRR	M48x1550L
4	HANGER ROD	A36	THRR	M48x2000L
5	ROD COUPLING NUT	A36	RCN	M48



### XTEXTORT 대화상자

- 1 Select Font (Windows font)
- 2 Font Size
- 3 Font Color (Double Click) : Setting the text color to be applied to Excel



4	1	VARIA
5	2	

- 4 Excel cell horizontal and vertical scale settings

No.	Description
1	VARIABLE SPRING HAN
2	WELDING LUG
3	HANGER ROD
4	HANGER ROD

ROW : 2

No.	Description
1	VARIABLE SPRING HAN

# ◆ EXCEL FUNCTION (ONLY MS EXCEL)

## Import to Excel

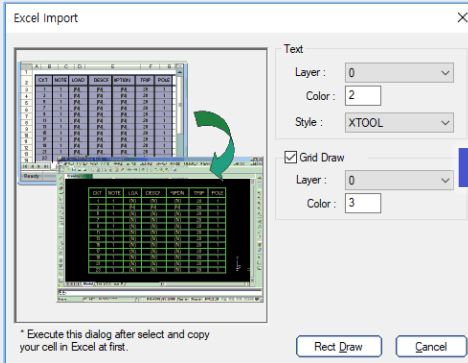
Command : ximport

### XTIMPORT Process

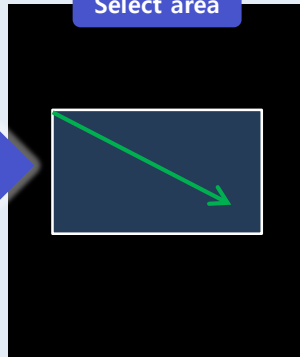
Select Excel cell and copyclip

	A	B	C	D	E
2		No.	Description	Material	M
3		1	VARIABLE SPRING HANGER	-	V
4		2		A36	V
5		3	HANGER ROD	A36	T

CTRL + C

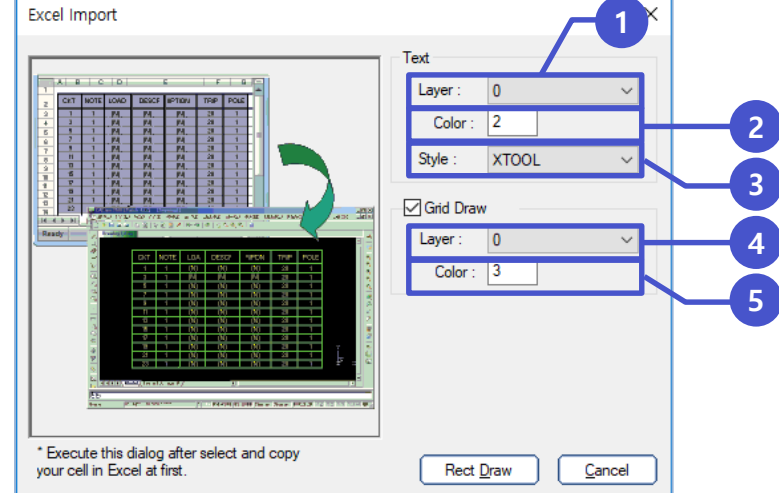


Select area



Convert Excel table to CAD

No.	Description	Material	Model
1	VARIABLE SPRING HANGER	-	VHT-C
2	WELDING LUG	A36	WLE
3	HANGER ROD	A36	THRR
4	HANGER ROD	A36	THRR



### XTIMPORT Dialog box

- 1 Layer of text objects
- 2 Select text color with cad color (Command : COLOR Reference)
- 3 Select a text style for a text object
- 4 Select a Table line layer
- 5 Select table color by CAD color (Commnad : COLOR Reference)

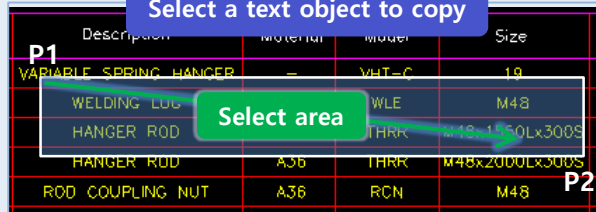
-. Before executing the command, select cell in Excel and execute copyclip.

## Convert CAD text to Excel

Command : xlte

### XLTE Process

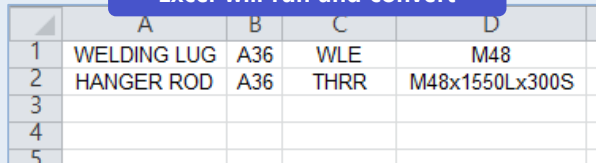
Select a text object to copy



Description	Material	Model	Size
VARIABLE SPRING HANGER	=	WHT=C	19
WELDING LUG	A36	WLE	M48
HANGER ROD	A36	THRR	M48x1550Lx300S
HANGER ROD	A36	THRR	M48x2000Lx300S
ROD COUPLING NUT	A36	RCN	M48

Select area

Excel will run and convert



	A	B	C	D
1	WELDING LUG	A36	WLE	M48
2	HANGER ROD	A36	THRR	M48x1550Lx300S
3	HANGER ROD	A36	THRR	M48x2000Lx300S
4	ROD COUPLING NUT	A36	RCN	M48
5				

### Basic execution process

\*. "excel training.dwg" File OPEN

1. "Command : " xlte enter

2. "Select entities : " P1 click

3. "Opposite corner : " P2 click and enter

### NOTE

-. Unlike the Xtexport command, each entry replaces only the cad characters in each cell of the Excel.

Paste CAD text to Excel

Command : xtcsv

## XTCSV Process

Select a text object to copy

	Description	Material	Model	Size
P1	VARIABLE SPRING HANGER	-	VHT=C	19
	WELDING LUG	-	WLE	M48
	HANGER ROD	A36	THRR	M48x1550Lx300S
	HANGER ROD	A36	THRR	M48x2000Lx300S
	ROD COUPLING NUT	A36	RCN	M48
P2				

Select area

CTRL + V in Excel

	A	B	C	D
1				
2	WELDING LUG,A36,WLE,M48			
3	HANGER ROD,A36,THRR,M48x1550Lx300S			
4				

Result of increased Excel cell width

	A	B
1		
2	WELDING LUG,A36,WLE,M48	
3	HANGER ROD,A36,THRR,M48x1550Lx300S	
4		
5		

## Basic execution process

\*. "excel training.dwg" File OPEN

1. "Command:" xtcsv enter

2. "Select entities: " P1 click

3. "Opposite corner: " P2 click and enter

## NOTE

-. If the characters are on the same line in CAD, MS EXCEL inserts all the contents into one cell.