

(SYM	BOL)			
CAD		(block)		
,		•		
, (	)		·	
•				
1.				가
2.				
3.		(attribute)	(BOM)	
4. /	AutoCAD			
5.				
■ BLOC	CK			
		가	,	
6				
6. 7.			. 0 ,	
8.	가			
9.				

• NGIS

■ フト 1999 System)	가	(NGIS, National	Geographical	Information
	.0067 : NGIS	가 (		)
	.0096 : NGIS	· 가	(가,	)
1	2	3		
		T		
1. :			(A, B, C)	
Α				•
В				
С	/	, ,		
D		, ,		
E	/	, ,		,
F				
s				
Z		, ,		
2. : 3. :	, C	00( )~999( )	3	E,F,G)
【 】 ZA001:	<u>_•</u>	ZA002 :	•	
SB101:	W	SB102 :		
1		-1		_1
		가		가 .

가 가 CALS (-) : (E), (M) - : [ (E), (D), [ (C), (A), (L), 1 ](S), (G), (P), (M), (C) 가 (L), (X) . [ 1 ] 3. ANNO ' - ' ANNO . [ → CGWATMH (WATerManHole) → CGELECPL (ELECtricalPoLe) [ ] → CEIPMRK (IP M aR K ) ΙP 가 4. . [ "CMSB107-1" [ ] 곤지맘교 Gonjiamgyo(Br) "CMSB427-2"

GIS, UIS, FMS
.
NGIS
.
(TBM,71 )
.
(NGIS)
.
18 1 7311 CGTBMRK

가

6-5

가

•

	가	
1	가 가 1×1 ,	
	1:1	/
		/
	(attribute) data フト	

■ (simple)

가









**②** 

3

가 2.5mm

)

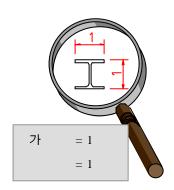
가

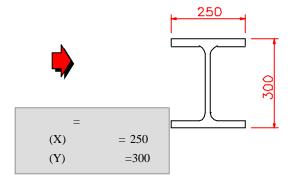
. (

2

# ■ 1 (unit)

L- , H-



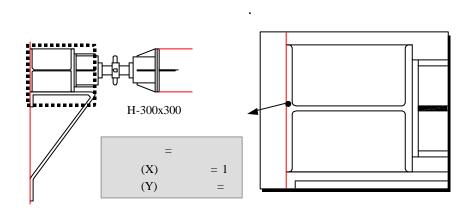


6



1 (Base point)

■ (real size)

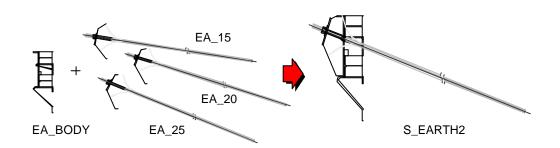




1:1

## ■ (multiple)

가





- EARTH ANCHOR EA\_BODY EA\_20
  7 25 EA\_20 EA\_25
- (EXPLODE)
- (attribute)

가

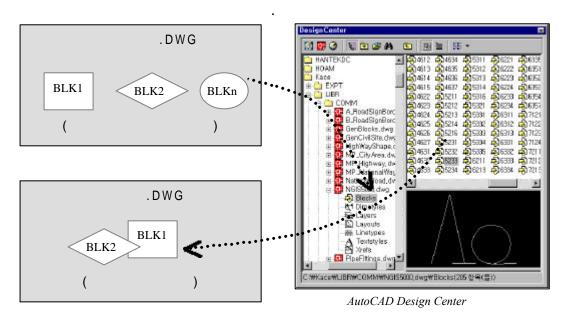




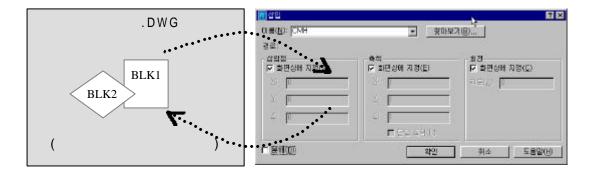
•

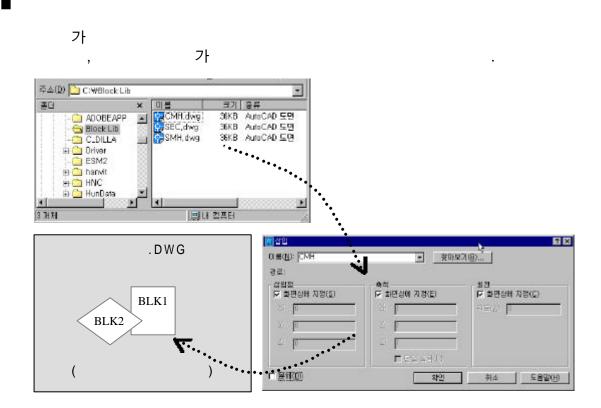
가

#### AutoCAD 2000 Design Center



가 INSERT 가





8-1.

10 가

LAYER : CG-SECT, : 6 SEC × 10

° CMH



(Insertion

point),

° SMH



가

X	불	록	입	뎍	점(	nsert	Poi	nt)

가			
	0	BYBLOCK BYLAYER	SEC
	0	BYLAYER	CMH, SMH
		BYBLOCK	

10

가

#### 7-2. BLOCK, BMAKE(

```
(BLOCK) \rightarrow
                  (DRAW) \rightarrow
                                                      (MAKE)
Command : BLOCK, -BMAKE
                   (DRAW) \rightarrow
Tool Bar :
          : -BLOCK
                               [?]: SEC
                         : END <- (
                                                          )
                : 1
                                          4
          : BLOCK
                          {\tt BMAKE}
     1.
                                                  📶 블록 정의
                                                    이름(A): SEC
                                                                                                    •
                                                    기준점
                                                                                                  7/
                                                    ☆ 점 선택(K)
                                                                               □ 객체 선택(<u>T</u>)
                                                                              C 유지(B)
                                                    ⊻: [219,0854734755095

    블록으로 변환(C)

                                                     <u>Y</u>: [117, 1266672904348
                                                                              ○ 삭제(D)
                                                     <u>Z</u>: 0
                                                                                  1개의 객체가 선택됨
       가
                                                    미리보기 아이콘
           00PS
                                                    ○ 아이콘을 포함하지 않음(<u>N</u>)
                                                    ⑤ 블록 형상으로부터 아이콘 작성(I)
     2.
                                                   단위 삽입(<u>U</u>):
                                                               밀리미터
                                                                단면표시 심볼
                                                   설명(<u>E</u>):
     3.
                                                   하이퍼링크(L)...
                                                                     확인
                                                                                          도움말(<u>H</u>)
     4.
     5.
                                                                                       X,Y,Z
     6.
```

)

6-12

AutoCAD DesignCenter (ADCENTER)

CMH, SMH

### 8-3. (INSERT, DDINSERT)

: (INSERT) → ..(BLOCK)

Command : INSERT, -BMAKE

Tool Bar : (DRAW) →

: -INSERT

: INSERT DDINSERT

1.

2.



6

3.

.

가 '♂

가 가 가 .

,

UNIT=1

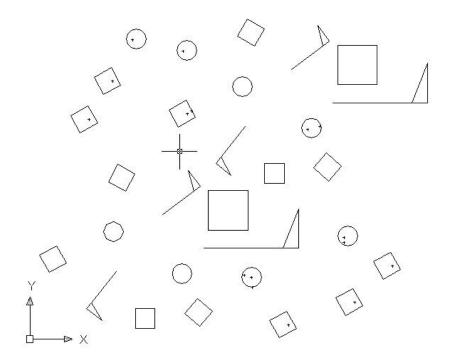
가

=2

가 .

CMH, SMH

=1



# 8-4. (EXPLODE)

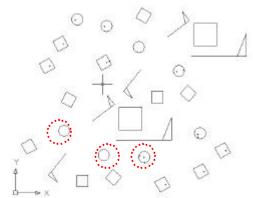
: EXPLODE
: 1
: 1 , 2
: 1 , 3

1 .

2 가 : 3D solid, Block, Region, 2D polyline, Body, Polyline, Polyface mesh, 3D polyline, XY Circle Arc



CMH (EXPLODE) .



8-5.

2. CMH 1 .

3. . .

4. (SMH)

: -BLOCK [?]: CMH CMH? [ (Y)/ (N)] < N > : Y: CEN <-: 2 "CMH" 母 BMAKE : BLOCK OHE(A): CMH • > 절 전력(K) 다. 작성 선택(I) 이 유지(B) 이 문목으로 변환(C) V 当: [173,0614349805554] 전력됨 미리보기 아이 ⓒ 마이콘을 : ⓒ 블록 형상: 0 HOO 단위 삽입(<u>((</u>)): 일라마터 설명(E): 朝の祖島田(中)… ]

СМН

학인 취소 토용말(比)

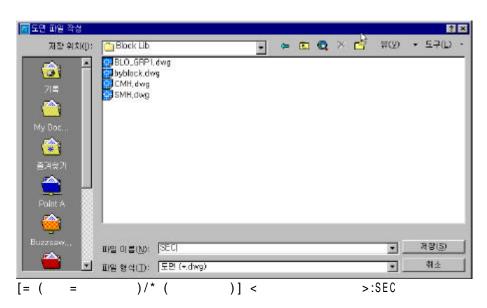
## 8-6. WBLOCK(

)

Command: WBLOCK, -WBLOCK

가

: -WBLOCK





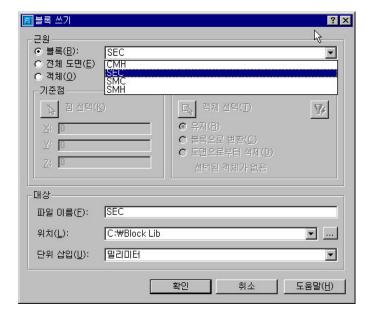
: WBLOCK

1.

(Block): (Entire Drawing) (Object):

2.

3.



8-7.

, WBLOCK

, , ,

.

1. .

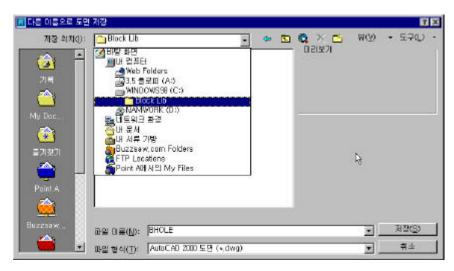


3. BASE .

: BASE

<0.0000,0.0000,0.0000>: CEN <- (

4. SAVE



#### **DONUT**

: =0, =35 :

: CS-BARS : CSRBARS

H- STEEL GRATING COVERED ( )

1:1

. OO OTLW

: CSHBEAM, CGDRNMH

# (ATTRIBUTE)

# **ADCENTER**