

# ZEICHNUNGSRAND.GSM PAPERFRAME.GSM

INFORMATIONSDATENBLATT  
DATASHEET

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*plan* -  ARCHITEKTEN

THOMAS BENK • WWW.PLAN-B-ARCHITEKTEN.DE • FRANK BEISTER

Drawing and paper frame  
 -adjustable margins, clip margin extra width  
 -clip margin on left or top position  
 -frame or edge markers for the paper frame  
 -10 styles for the drawing frame with various settings

Folding markers  
 -for all (!) formats  
 -folded size adjustabel (preset for DIN A4)  
 -2 different foldingmethods  
 -scale dependent.  
 -optimizes algorithm

Opaque fill:  
 margins, north point, scale bar and title block can be covered by an opaque fill to hide not needed drawing elements.  
 No need to adjust walls/lines etc. to drawing frame!

Optional area for an (additional) title block  
 -horizontal/vertikal  
 -optional dividing line

## PAPER FRAME.GSM

VERSION 7.70 (11.09.03)

- paper size predefined according to DIN-A,raw DIN-A,suppl. raw DIN-A, DIN-B,DIN-C, JIS-B,ARCH,ANSI,24",36", real cm (=paper) or scaledependant meter.
- stretchable in the plan without settings dialog  
 If adjusted to a standardformat snapping to the normal sizes of this format typ.
- aspect ratio lockable
- NO CALCULATING of the printed size anymore:  
 1 project - any print out scales - 1 paper frame object!
- all dimensions in real (plotted/printed) cm!
- contextsensitive user interface over 10+ pages.
- ready for new AC8-dialog size.
- visibility over several stories.
- multilingual support: german/englisch. 'On the fly' switchable in the dialog.

Markers for the middle of drawing area.  
 Horizontal and vertikal.

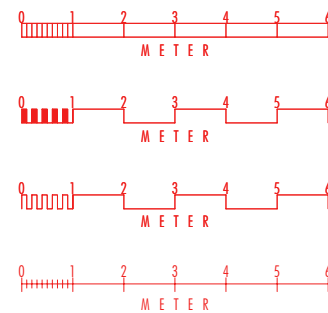
Marker for punching

Stripe to fix hanging tapes.  
 Labeling allows fas plan search without removing the poaln of plan-box.

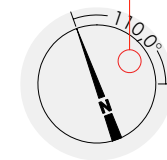
Plan information texts.

- horizontal or vertikal inside the margin stripe
- filename of the project (half automatic)
- filename of the layout (half automatic)
- AC-scale + printing scaling
- automatic/manual date of last AC modifying
- Last editor (in reference to the keyplug number, does not work with all keyplugs)

Scale bar  
 -scalesensitive appearance  
 -4 designs  
 -optional scale output



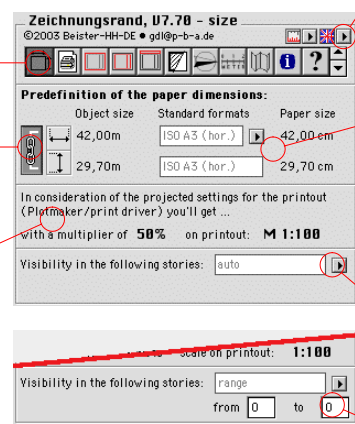
North point  
 -orientation snapped to screen, paper, or project north  
 -flexibel position  
 -over 40 designs with several parameter for still more individual appearance  
 -individual design on demand  
 -display and dimensioning of the angle to a fixed (screen/paper) position  
 -implemented as seperate full 3D object (GSM)



Tabel of pens.  
 Reference for the available colours.  
 Some printer driver use a histogram of the whole printout to balance the colours. This table makes, that all colours are on all printouts.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85
86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255

## paper size



navigation bar for the user interface

keep aspect ratio

calculating the output settings to the 'print out' scale

switch for interface language

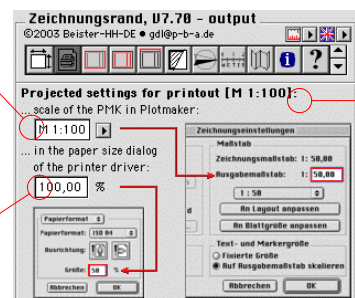
setting and display of size in plan, size by DIN and size after printout

Display the object in the stories set by the object switch or ...

... over a definated number of stories.

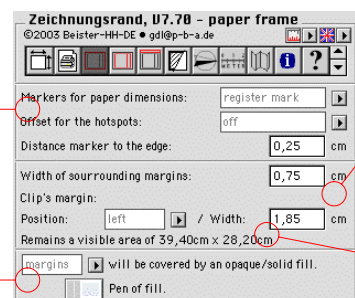
Scale, you will give the PMK-drawing in Plotmaker.

Scaling in the paper size dialog of your printer driver.



calculating the output settings to the 'print out' scale

## appearance



settings for the paper frame

optional covering of margins, symbols etc.

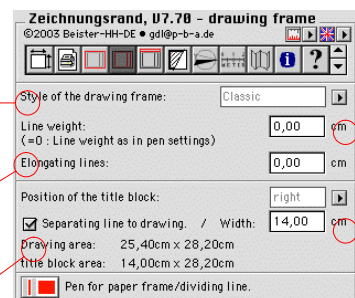
settings for the clip margin

resulting usable area for drawing

settings for the design of the drawing frame

parameters depending of the choosen design

resulting usable area for drawing

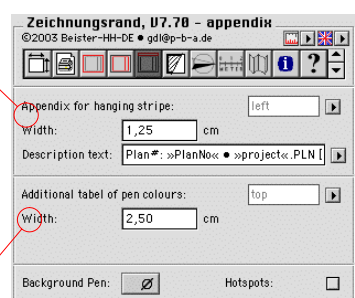


line weight=0 will draw single lines with the pen-setted width

settings for the titleblock area (just the area, a title block itself will not be drawn)

additional stripe to fix adhesive hanging types description text supports fast plan searching

Numbered table of all 255 pens add to the paper frame.



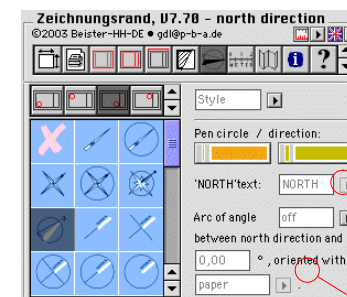
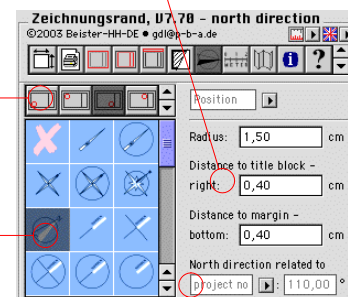
settings for the distance to the margins

choose your favourite corner

visual choice of more than 40 designs

manual or automatic north direction

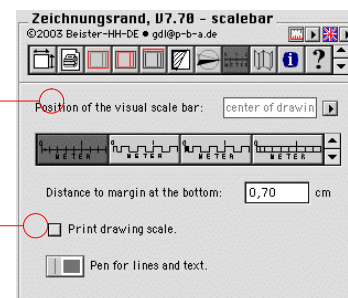
## north point



for some designs you can set an individual text

dimensioning the angle between north direction and this decided angle. this angle you can relate to paper or screen border too.

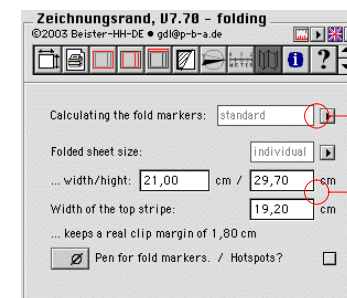
## scale bar



4 possible styles dividing and size depending of the scale

printout of resulted scale

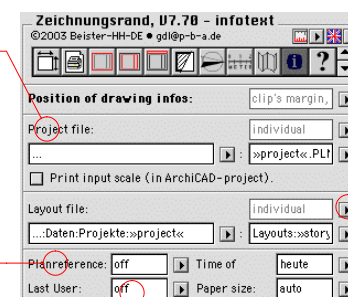
## folding markers



settings for folding system

settings for the folded size

## infotext



name and Path of the project file. out of project name and common folder names will be created a value list, which can be changed manually

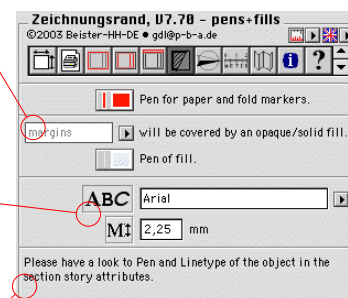
prints on the top right corner of the folded plan the plan number for quick reference.

name and Path of the layout file. out of project- and story name and common folder names will be created a value list, which can be changed manually

how to insert the names of your staff and teir workstations for automatic signing the paper frame, read the file dogle.txt shipped with the object.

# PAPER FRAME.GSM DIALOG PAGES - USER INTERFACE

## attributes

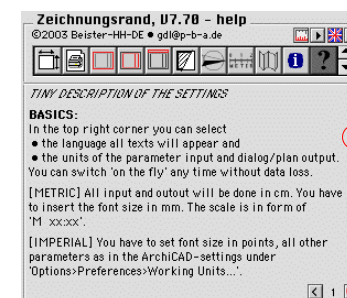


optional covering of margins, symbols etc. (identical with the settings above)

font settings for infotext etc.

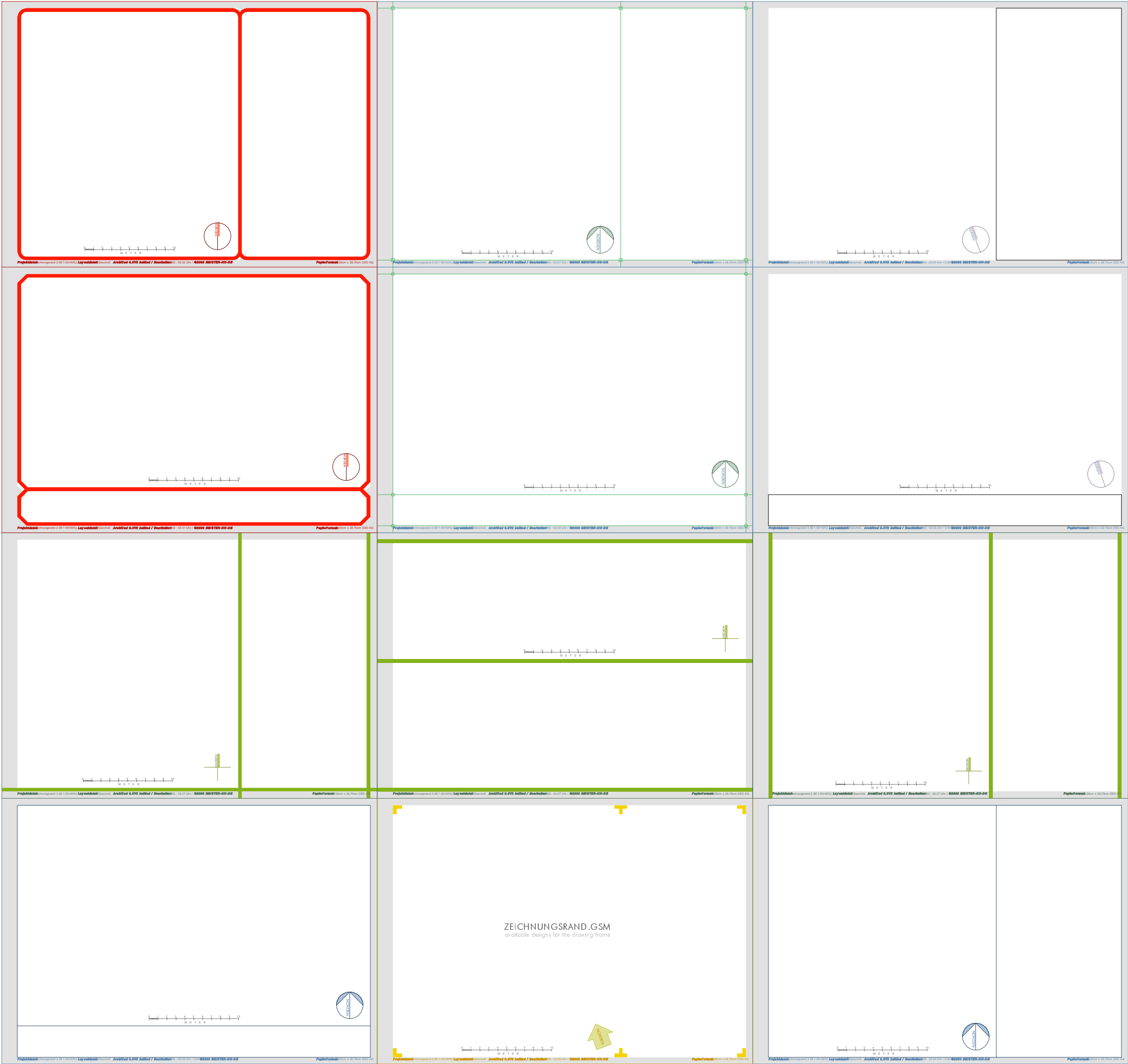
hint, that object settings object pen and line type will be used too.

## help pages



a short description and intro

button to browse



ZEICHNUNGSRAND.GSM - IMPLEMENTED FORMATS					
Name	exactly calculated size:		rounded on two decimals:		Common sizes:
<b>DIN/ISO/JIS A</b>					
4A	237,842 x 168,1792 cm	93,6386 x 66,21228 in			237,8 x 168,2 cm
3A	252,269 x 118,921 cm	99,3184 x 46,81929 in			252,3 x 118,9 cm
2A	168,179 x 118,921 cm	66,2123 x 46,81929 in			168,2 x 118,9 cm
A0	118,921 x 84,0896 cm	46,8192 x 33,1062 in	118,92 x 84,09 cm	46,8189 x 33,1063 in	118,9 x 84,1 cm
A1	84,0896 x 59,4604 cm	33,1062 x 23,4096 in	84,09 x 59,46 cm	33,1063 x 23,4094 in	84,1 x 59,4 cm
A2	59,4604 x 42,0448 cm	23,4096 x 16,5531 in	59,46 x 42,04 cm	23,4094 x 16,5512 in	59,4 x 42 cm
A3	42,0448 x 29,7302 cm	16,5531 x 11,7048 in	42,04 x 29,73 cm	16,5512 x 11,7047 in	42 x 29,7 cm
A4	29,7302 x 21,0224 cm	11,7048 x 8,27654 in	29,73 x 21,02 cm	11,7047 x 8,27559 in	29,7 x 21 cm
A5	21,0224 x 14,8651 cm	8,27654 x 5,8524 in	21,02 x 14,87 cm	8,27559 x 5,85433 in	21 x 14,8 cm
[A6]	14,8651 x 10,5112 cm	5,8524 x 4,13827 in	14,87 x 10,51 cm	5,85433 x 4,1378 in	14,8 x 10,5 cm
[A7]	10,5112 x 7,43254 cm	4,13827 x 2,9262 in	10,51 x 7,43 cm	4,1378 x 2,9252 in	10,5 x 7,4 cm
<b>DIN/ISO/JIS A Oversize</b>					
A0	90,551 x 124,4854 cm	35,65 x 49,01 in			
A1	89,9922 x 63,0682 cm	35,43 x 24,83 in			
A2	48,5902 x 62,5094 cm	19,13 x 24,61 in			
<b>DIN/ISO B</b>					
4B	282,842 x 200 cm	111,355 x 78,74016 in			282,8 x 200 cm
2B	200 x 141,421 cm	78,7402 x 55,67756 in			200 x 141,4 cm
B0	141,421 x 100 cm	55,6777 x 39,3701 in	141,42 x 100 cm	55,6772 x 39,3701 in	141,4 x 100 cm
B1	100 x 70,7107 cm	39,3701 x 27,8388 in	100 x 70,71 cm	39,3701 x 27,8386 in	100 x 70,7 cm
B2	70,7107 x 50 cm	27,8388 x 19,685 in	70,71 x 50 cm	27,8386 x 19,685 in	70,7 x 50 cm
B3	50 x 35,3553 cm	19,685 x 13,9194 in	50 x 35,36 cm	19,685 x 13,9213 in	50 x 35,3 cm
B4	35,3553 x 25 cm	13,9194 x 9,84252 in	35,36 x 25 cm	13,9213 x 9,84252 in	35,3 x 25 cm
B5	25 x 17,6777 cm	9,84252 x 6,95971 in	25 x 17,68 cm	9,84252 x 6,96063 in	25 x 17,6 cm
[B6]	17,6777 x 12,5 cm	6,95971 x 4,92126 in	17,68 x 12,5 cm	6,96063 x 4,92126 in	17,6 x 12,5 cm
[B7]	12,5 x 8,83883 cm	4,92126 x 3,47986 in	12,5 x 8,84 cm	4,92126 x 3,48031 in	12,5 x 8,8 cm
<b>DIN/ISO C</b>					
C0	129,684 x 91,7004 cm	51,0567 x 36,1025 in	129,68 x 91,7 cm	51,0551 x 36,1024 in	129,7 x 91,7 cm
C1	91,7004 x 64,842 cm	36,1025 x 25,5283 in	91,7 x 64,84 cm	36,1024 x 25,5276 in	91,7 x 64,85 cm
C2	64,842 x 45,8502 cm	25,5283 x 18,0513 in	64,84 x 45,85 cm	25,5276 x 18,0512 in	64,85 x 45,85 cm
C3	45,8502 x 32,421 cm	18,0513 x 12,7642 in	45,85 x 32,42 cm	18,0512 x 12,7638 in	45,8 x 32,4 cm
C4	32,421 x 22,9251 cm	12,7642 x 9,02563 in	32,42 x 22,93 cm	12,7638 x 9,02756 in	32,4 x 22,9 cm
C5	22,9251 x 16,2105 cm	9,02563 x 6,38208 in	22,93 x 16,21 cm	9,02756 x 6,38189 in	22,9 x 16,2 cm
[C6]	16,2105 x 11,4626 cm	6,38208 x 4,51282 in	16,21 x 11,46 cm	6,38189 x 4,51181 in	16,2 x 11,4 cm
[C7]	11,4626 x 8,10525 cm	4,51282 x 3,19104 in	11,46 x 8,11 cm	4,51181 x 3,19291 in	11,4 x 8,1 cm

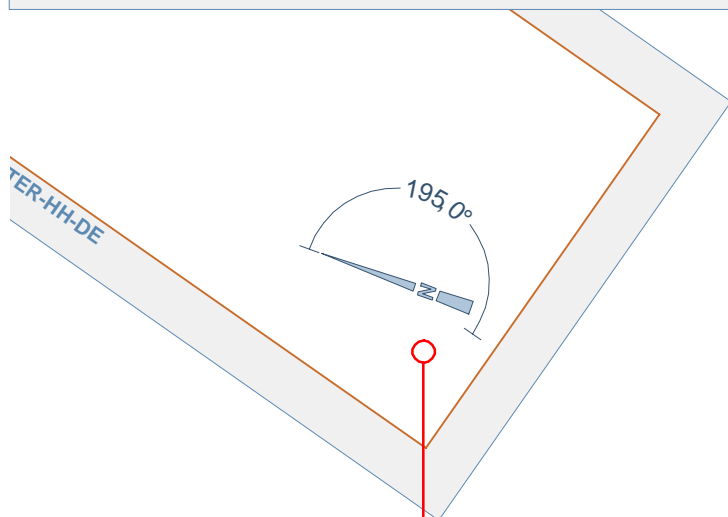
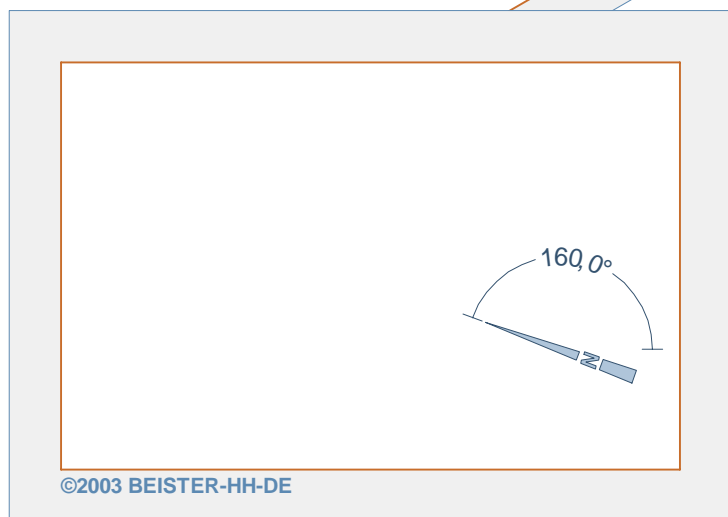
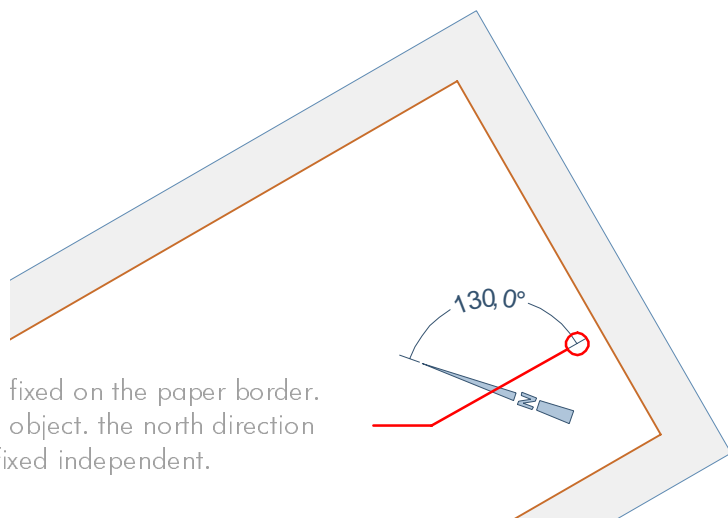
ARCH					
ARCH A	30,48 x 22,86 cm	12 x 9 in	30,48 x 22,86 cm	12 x 9 in	12 x 9 in
ARCH B	45,72 x 30,48 cm	18 x 12 in	45,72 x 30,48 cm	18 x 12 in	18 x 12 in
ARCH C	60,96 x 45,72 cm	24 x 18 in	60,96 x 45,72 cm	24 x 18 in	24 x 18 in
ARCH D	91,44 x 60,96 cm	36 x 24 in	91,44 x 60,96 cm	36 x 24 in	36 x 24 in
ARCH E	121,92 x 91,44 cm	48 x 36 in	121,92 x 91,44 cm	48 x 36 in	48 x 36 in
ARCH F	106,68 x 76,2 cm	42 x 30 in			42 x 30 in
<b>24 inch x ...</b>					
	121,92 x 60,96 cm	48 x 24 in	121,92 x 60,96 cm	48 x 24 in	
	152,4 x 60,96 cm	60 x 24 in	152,4 x 60,96 cm	60 x 24 in	
	182,88 x 60,96 cm	72 x 24 in	182,88 x 60,96 cm	72 x 24 in	
	213,36 x 60,96 cm	84 x 24 in	213,36 x 60,96 cm	84 x 24 in	
	243,84 x 60,96 cm	96 x 24 in	243,84 x 60,96 cm	96 x 24 in	
	274,32 x 60,96 cm	108 x 24 in	274,32 x 60,96 cm	108 x 24 in	
<b>36 inch x ...</b>					
[2]	121,92 x 91,44 cm	48 x 36 in	121,92 x 91,44 cm	48 x 36 in	
	152,4 x 91,44 cm	60 x 36 in	152,4 x 91,44 cm	60 x 36 in	
	182,88 x 91,44 cm	72 x 36 in	182,88 x 91,44 cm	72 x 36 in	
	213,36 x 91,44 cm	84 x 36 in	213,36 x 91,44 cm	84 x 36 in	
	243,84 x 91,44 cm	96 x 36 in	243,84 x 91,44 cm	96 x 36 in	
	274,32 x 91,44 cm	108 x 36 in	274,32 x 91,44 cm	108 x 36 in	
<b>Photo</b>					
small	10 x 15 cm	3,93701 x 5,90551 in			
	13 x 18 cm	5,11811 x 7,08661 in			
	15 x 20 cm	5,90551 x 7,87402 in			
large	20 x 30 cm	7,87402 x 11,81102 in			
	7,62 x 12,7 cm	3 x 5 in			3 x 5 in
	10,16 x 15,24 cm	4 x 6 in			4 x 6 in
	12,7 x 17,78 cm	5 x 7 in			5 x 7 in
	20,32 x 25,4 cm	8 x 10 in			8 x 10 in

JIS B					
JIS B0	145,648 x 102,988 cm	57,3415 x 40,5466 in	145,65 x 102,99 cm	57,3425 x 40,5472 in	145,6 x 103 cm
JIS B1	102,988 x 72,8238 cm	40,5466 x 28,6708 in	102,99 x 72,82 cm	40,5472 x 28,6693 in	103 x 72,8 cm
JIS B2	72,8238 x 51,4942 cm	28,6708 x 20,2733 in	72,82 x 51,49 cm	28,6693 x 20,2717 in	72,8 x 51,5 cm
JIS B3	51,4942 x 36,4119 cm	20,2733 x 14,3354 in	51,49 x 36,41 cm	20,2717 x 14,3346 in	51,5 x 36,4 cm
JIS B4	36,4119 x 25,7471 cm	14,3354 x 10,1366 in	36,41 x 25,75 cm	14,3346 x 10,1378 in	36,4 x 25,7 cm
JIS B5	25,7471 x 18,2059 cm	10,1366 x 7,16769 in	25,75 x 18,21 cm	10,1378 x 7,16929 in	25,7 x 18,2 cm
[JIS B6]	18,2059 x 12,8735 cm	7,16769 x 5,06832 in	18,21 x 12,87 cm	7,16929 x 5,06693 in	18,2 x 12,8 cm
[JIS B7]	12,8735 x 9,10297 cm	5,06832 x 3,58385 in	12,87 x 9,1 cm	5,06693 x 3,58268 in	12,8 x 9,1 cm
<b>DIN/ISO raw A</b>					
RA0	121,857 x 86,1662 cm	47,9754 x 33,9237 in	121,86 x 86,17 cm	47,9764 x 33,9252 in	122 x 86 cm
RA1	86,1662 x 60,9287 cm	33,9237 x 23,9877 in	86,17 x 60,93 cm	33,9252 x 23,9882 in	86 x 61 cm
RA2	60,9287 x 43,0831 cm	23,9877 x 16,9619 in	60,93 x 43,08 cm	23,9882 x 16,9606 in	61 x 43 cm
RA3	43,0831 x 30,4644 cm	16,9619 x 11,9938 in	43,08 x 30,46 cm	16,9606 x 11,9921 in	43 x 30,5 cm
RA4	30,4644 x 21,5416 cm	11,9938 x 8,48093 in	30,46 x 21,54 cm	11,9921 x 8,48031 in	30,5 x 21,5 cm
RA5	21,5416 x 15,2322 cm	8,48093 x 5,99692 in	21,54 x 15,23 cm	8,48031 x 5,99606 in	21,5 x 15,25 cm
[RA6]	15,2322 x 10,7708 cm	5,99692 x 4,24046 in	15,23 x 10,77 cm	5,99606 x 4,24016 in	15,25 x 10,75 cm
[RA7]	10,7708 x 7,61609 cm	4,24046 x 2,99846 in	10,77 x 7,62 cm	4,24016 x 3 in	10,75 x 7,625 cm
<b>DIN/ISO supplement raw A</b>					
SRA0	127,528 x 90,1761 cm	50,208 x 35,5024 in	127,53 x 90,18 cm	50,2087 x 35,5039 in	128 x 90 cm
SRA1	90,1761 x 63,7641 cm	35,5024 x 25,104 in	90,18 x 63,76 cm	35,5039 x 25,1024 in	90 x 64 cm
SRA2	63,7641 x 45,088 cm	25,104 x 17,7512 in	63,76 x 45,09 cm	25,1024 x 17,752 in	64 x 45 cm
SRA3	45,088 x 31,8821 cm	17,7512 x 12,552 in	45,09 x 31,88 cm	17,752 x 12,5512 in	45 x 32 cm
SRA4	31,8821 x 22,544 cm	12,552 x 8,8756 in	31,88 x 22,54 cm	12,5512 x 8,87402 in	32 x 22,5 cm
SRA5	22,544 x 15,941 cm	8,8756 x 6,276 in	22,54 x 15,94 cm	8,87402 x 6,27559 in	22,5 x 16 cm
[SRA6]	15,941 x 11,272 cm	6,276 x 4,4378 in	15,94 x 11,27 cm	6,27559 x 4,43701 in	16 x 11,25 cm
[SRA7]	11,272 x 7,97052 cm	4,4378 x 3,138 in	11,27 x 7,97 cm	4,43701 x 3,1378 in	11,25 x 8 cm
<b>ANSI</b>					
ANSI A [3]	27,94 x 21,59 cm	11 x 8,5 in	27,94 x 21,59 cm	11 x 8,5 in	11 x 8,5 in
ANSI B [4]	43,18 x 27,94 cm	17 x 11 in	43,18 x 27,94 cm	17 x 11 in	17 x 11 in
ANSI C [5]	55,88 x 43,18 cm	22 x 17 in	55,88 x 43,18 cm	22 x 17 in	22 x 17 in
ANSI D [6]	86,36 x 55,88 cm	34 x 22 in	86,36 x 55,88 cm	34 x 22 in	34 x 22 in
ANSI E [7]	111,76 x 86,36 cm	44 x 34 in	111,76 x 86,36 cm	44 x 34 in	44 x 34 in

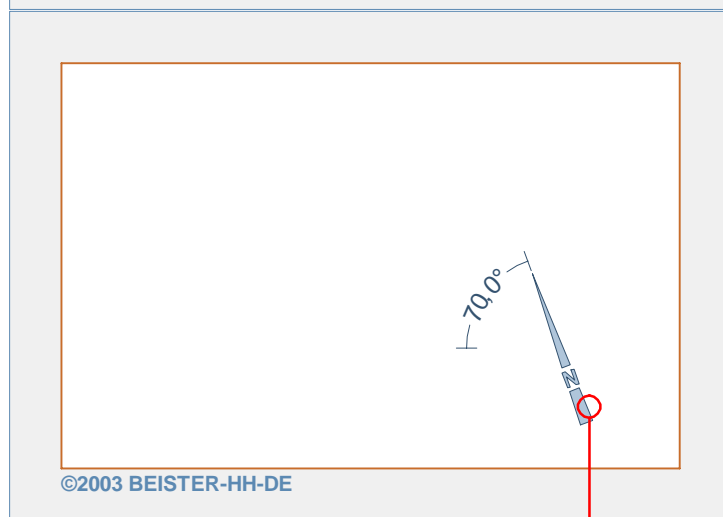
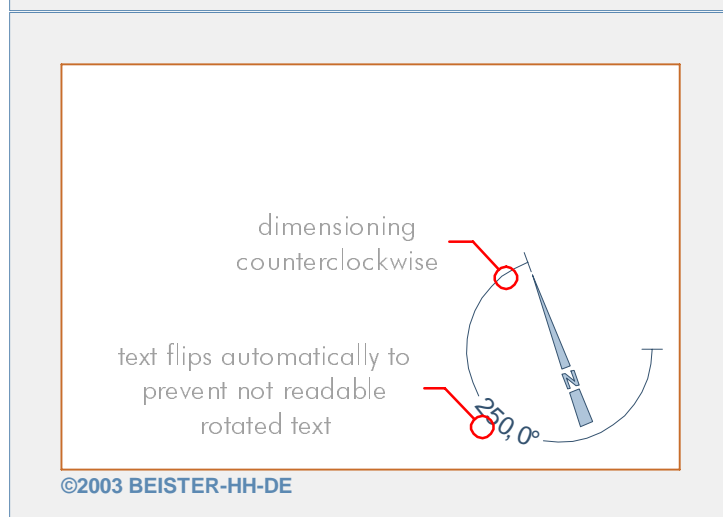
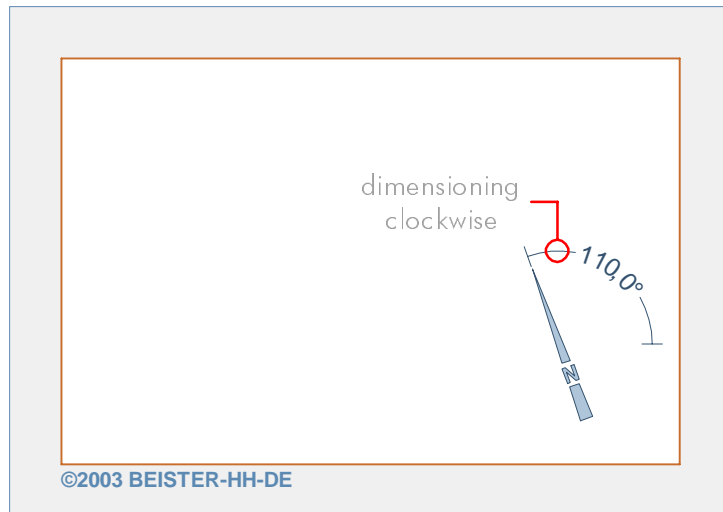
Miscellaneous					
invoice [8]	13,97 x 21,59 cm	5,5 x 8,5 in			
executive	18,415 x 26,67 cm	7,25 x 10,5 in			
gov.legal	20,32 x 33,02 cm	8 x 13 in			
quarto	21,59 x 27,5082 cm	8,5 x 10,83 in			
letter13 [9]	21,59 x 33,02 cm	8,5 x 13 in			8,5 x 13 in
us legal [10]	21,59 x 35,56 cm	8,5 x 14 in			8,5 x 14 in
super a [11]	22,7076 x 35,56 cm	8,94 x 14 in			
computer	25,7175 x 35,56 cm	10,125 x 14 in			
super b	33,02 x 48,26 cm	13 x 19 in			13 x 19 in
prc-8K	14,6 x 21,5 cm	5,74803 x 8,46457 in			
roc-8K	19,685 x 27,305 cm	7,75 x 10,75 in			
roc-16k	27,305 x 39,37 cm	10,75 x 15,5 in			

cm/in	Unit, in which the format is defined.				
in/cm	opposit unit				
[1]	irregular format				
[2]	also:	ARCH E			
[3]	also:	letter,engineering a			
[4]	also:	tabloid, ledger,engineering b			
[5]	also:	engineering c			
[6]	also:	engineering d			
[7]	also:	engineering e			
[8]	also:	statement, mini, half letter			
[9]	also:	letter, engineering a			
[10]	also:	german legal fanfold, foolscap			
[11]	also:	letter, engineering a			

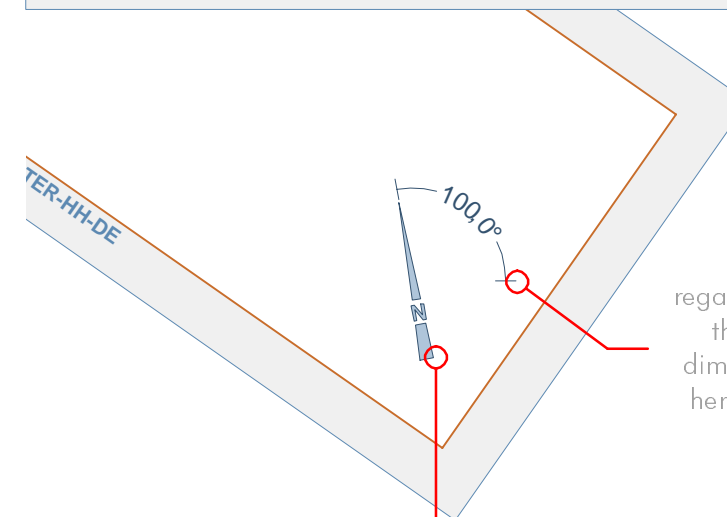
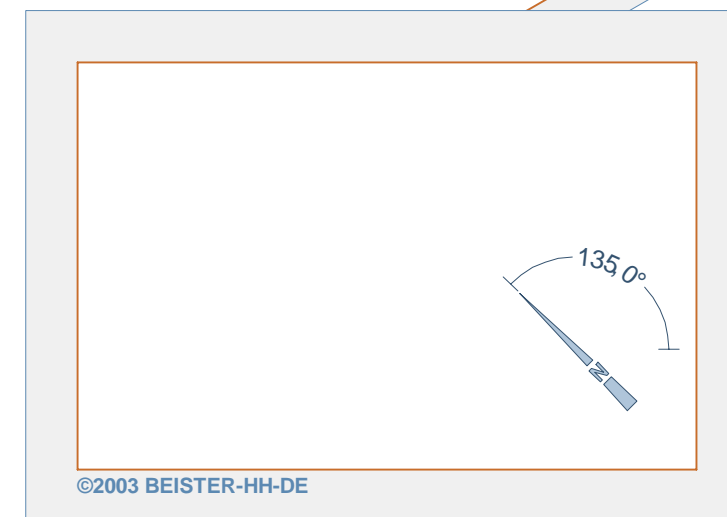
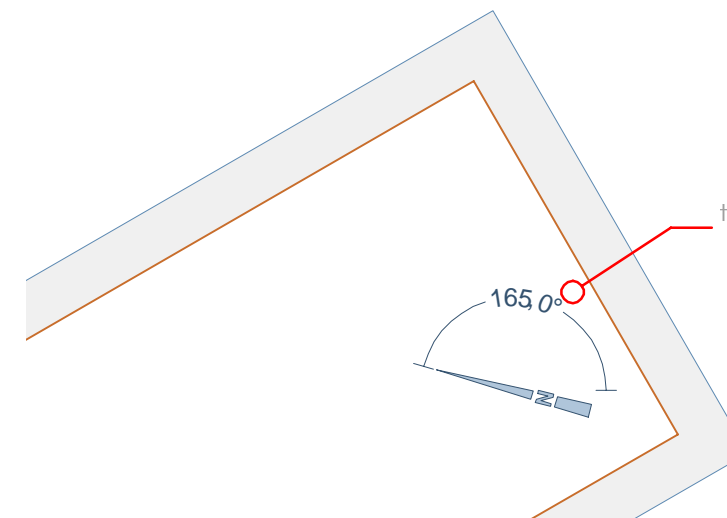
this angle here is fixed on the paper border. it rotates with the object. the north direction keeps fixed independent.



if you associate a (free) angle to the screen border: the north direction keeps fixed, anyhow you rotate the paper frame object.



the north direction has snapped to project north. 3D > setting&projection > sun



the font size refers to the diameter

regardless to the reference of the north direction the dimensioning string is fixed here on the screen border

# ZEICHNUNGSRAND.GSM

## Snapping north points