



TECHNICAL DRAWINGS LIFT SYSTEMS INDUSTRIAL DOORS

FF-Logic specification			Build in information		
Drumcode	Opening height Max. (mm)	Doorweight Max. (kg)	High Lift Max. (mm)	Size Z (mm)	Centerline Bearing plate (mm)
Normal Lift					
FFNL12	3680	500		132 / 150**	86 / 111**
FFNL18	5570	500		166 / 184**	86 / 111**
FFNL32	10000	700		237	127
FFNL32(-125)	10000	700		237	152
High Lift					
FFHL54	4800	500	1370	199	111
FFHL120	4800	500	3050	249	127
FFHL164	6000	650	4100	295	152
FFHL164(-125)	6000	650	4100	295	152
Vertical Lift					
FFVL11	3300	500		229	127
FFVL18	6000	500		295	152
FFVL18(-125)	6000	500		295	152
FFVL28	7450	825		356	180
FFVL28(-125)	7450	825		356	180

* Till opening height 6000 mm all HL sizes are possible, above it depends on the opening height

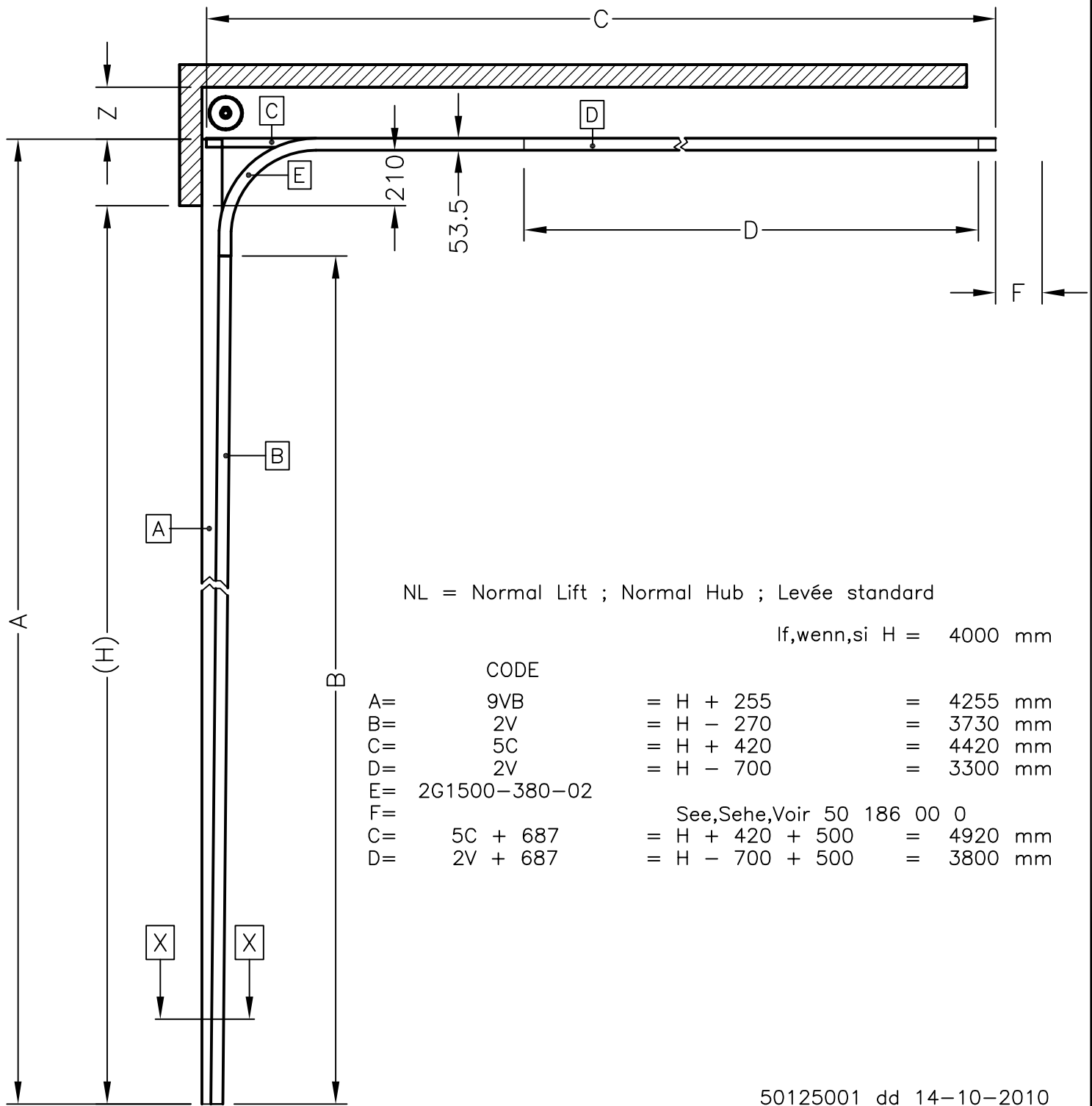
** Size Z and Centerline bearing plate in case 6" springs are being selected.

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*Separate drawing, liftsystem drawings are not valid in combination with these section drawings

2"-2G

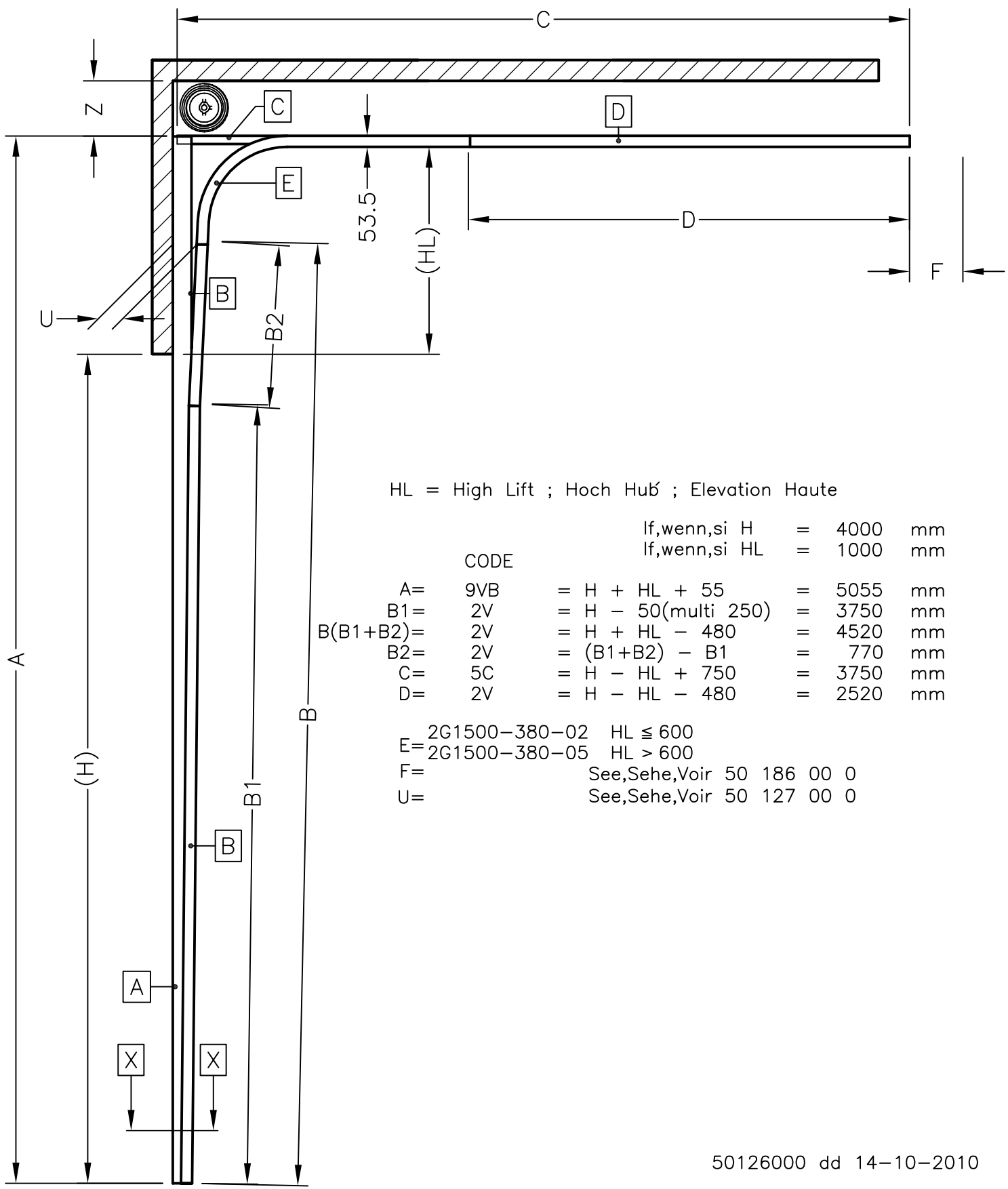


NL = Normal Lift ; Normal Hub ; Levée standard

If, wenn, si H = 4000 mm

CODE			
A=	9VB	= H + 255	= 4255 mm
B=	2V	= H - 270	= 3730 mm
C=	5C	= H + 420	= 4420 mm
D=	2V	= H - 700	= 3300 mm
E=	2G1500-380-02		
F=	See, Sehe, Voir 50 186 00 0		
C=	5C + 687	= H + 420 + 500	= 4920 mm
D=	2V + 687	= H - 700 + 500	= 3800 mm

2"-2G

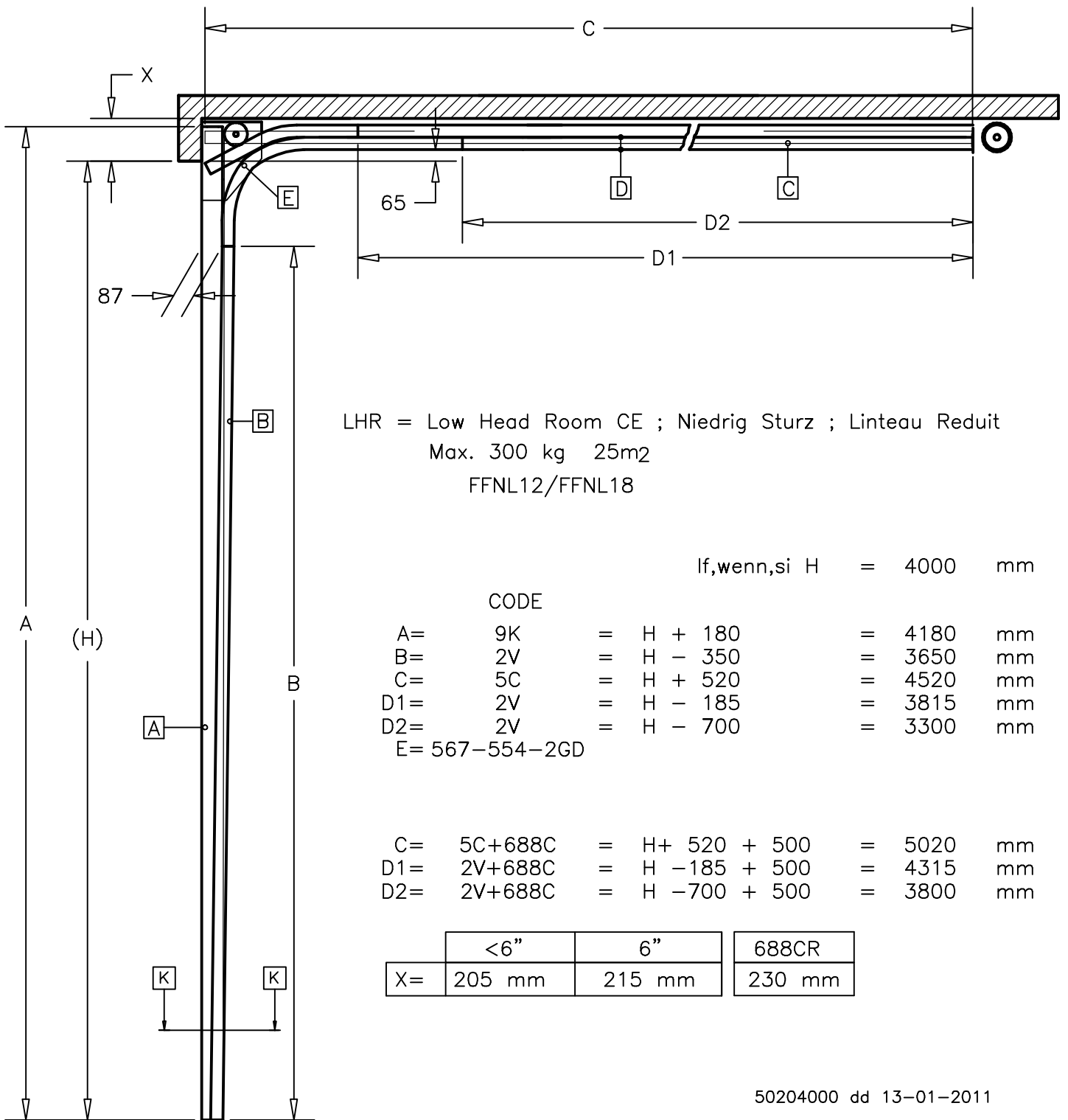


HL = High Lift ; Hoch Hub ; Elevation Haute

		If, wenn, si H	=	4000	mm
		If, wenn, si HL	=	1000	mm
CODE					
A=	9VB	= H + HL + 55	=	5055	mm
B1=	2V	= H - 50(multi 250)	=	3750	mm
B(B1+B2)=	2V	= H + HL - 480	=	4520	mm
B2=	2V	= (B1+B2) - B1	=	770	mm
C=	5C	= H - HL + 750	=	3750	mm
D=	2V	= H - HL - 480	=	2520	mm

E= 2G1500-380-02 HL ≤ 600
 2G1500-380-05 HL > 600

F= See, Sehe, Voir 50 186 00 0
 U= See, Sehe, Voir 50 127 00 0



LHR = Low Head Room CE ; Niedrig Sturz ; Lindeau Reduit
 Max. 300 kg 25m²
 FFNL12/FFNL18

If, wenn, si H = 4000 mm

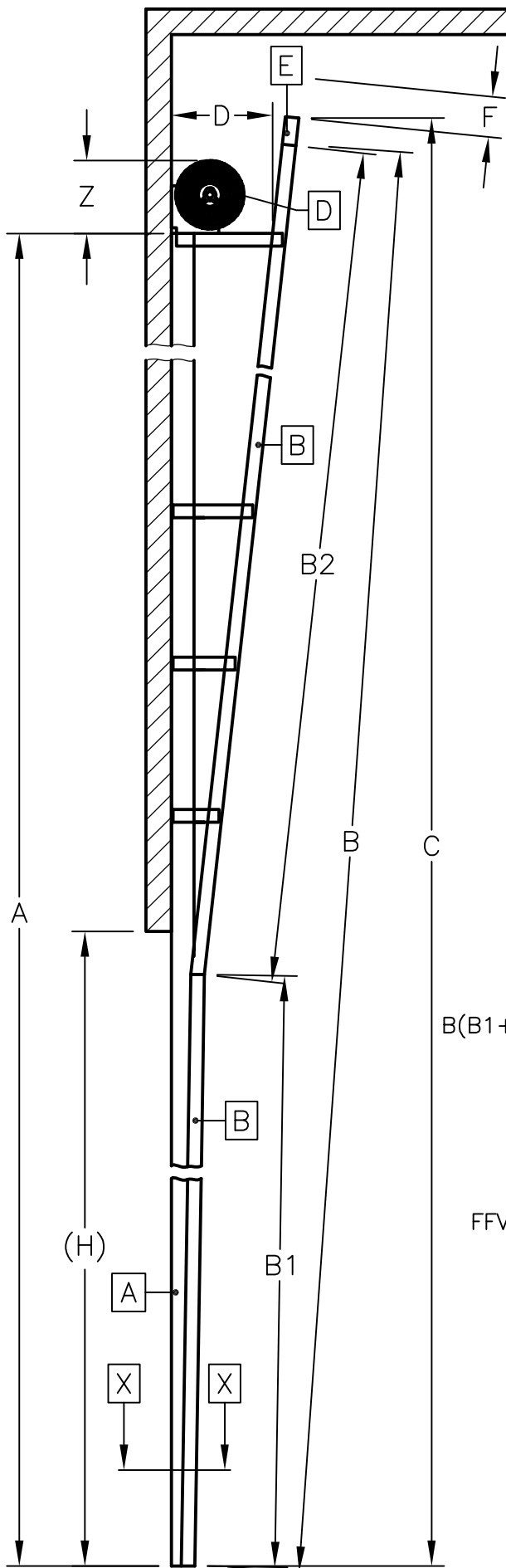
CODE

A=	9K	=	H + 180	=	4180	mm
B=	2V	=	H - 350	=	3650	mm
C=	5C	=	H + 520	=	4520	mm
D1=	2V	=	H - 185	=	3815	mm
D2=	2V	=	H - 700	=	3300	mm
E= 567-554-2GD						

C=	5C+688C	=	H+ 520 + 500	=	5020	mm
D1=	2V+688C	=	H -185 + 500	=	4315	mm
D2=	2V+688C	=	H -700 + 500	=	3800	mm

	<6"	6"	688CR
X=	205 mm	215 mm	230 mm

50204000 dd 13-01-2011

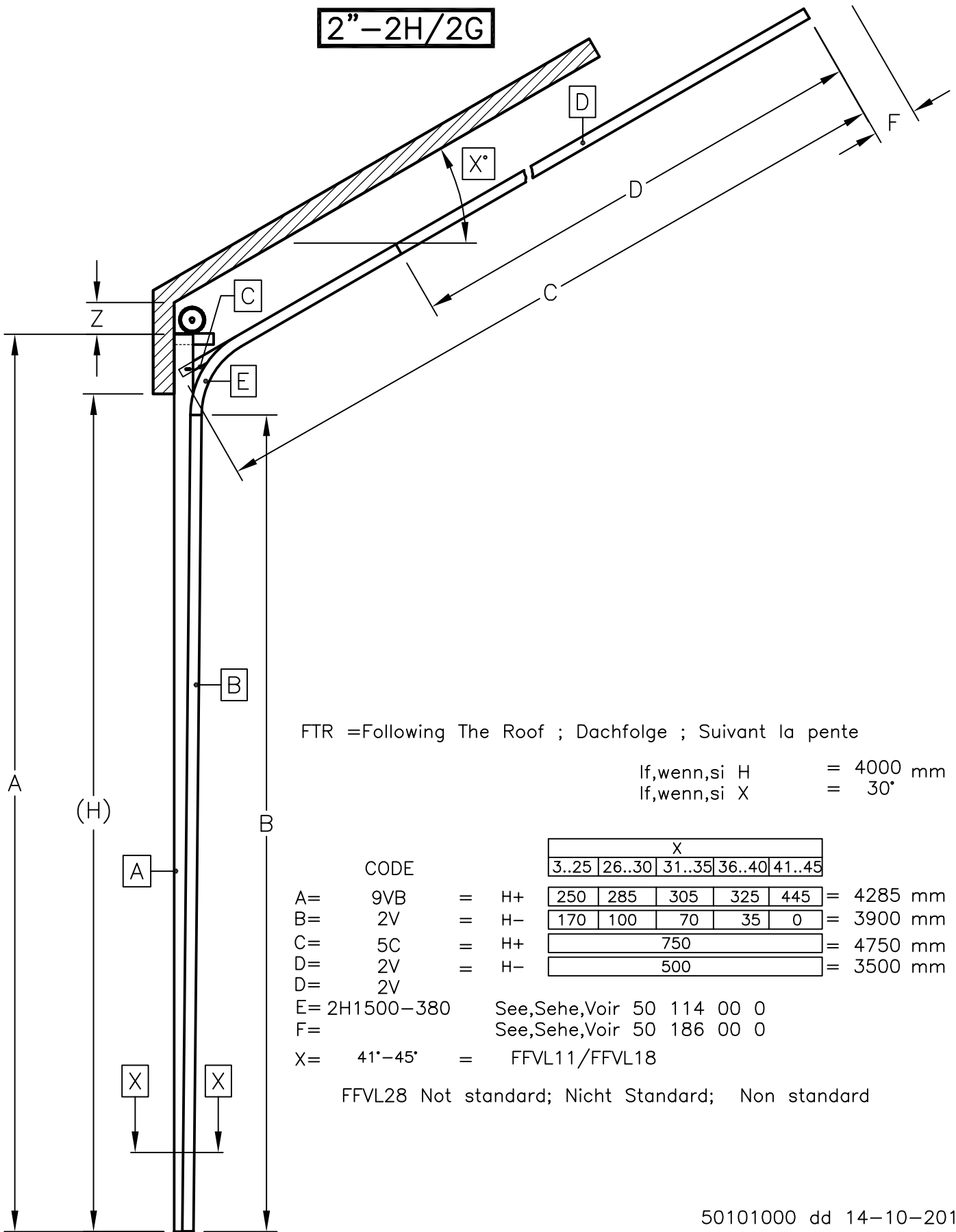


2"

VL = Vertical Lift ; Vertikal Hub ; Levée Verticale

	CODE	If,wenn,si H	=	4000	mm
A=	9VB	=(2 x H)	=	8000	mm
B1=	2V	=H - 50(multi 250)	=	3750	mm
B(B1+B2)=	2V	=(2 x H) + 250	=	8250	mm
B2=	2V	=(B1+B2) - B1	=	4500	mm
C=		=(2 x H) + 410	=	8410	mm
D=	FFVL11	=	=	350	mm
D=	FFVL18	=	=	400	mm
E=	5C	=	=	220	mm
FFVL28 Not standard; Nicht Standard; Non standard					

2"-2H/2G



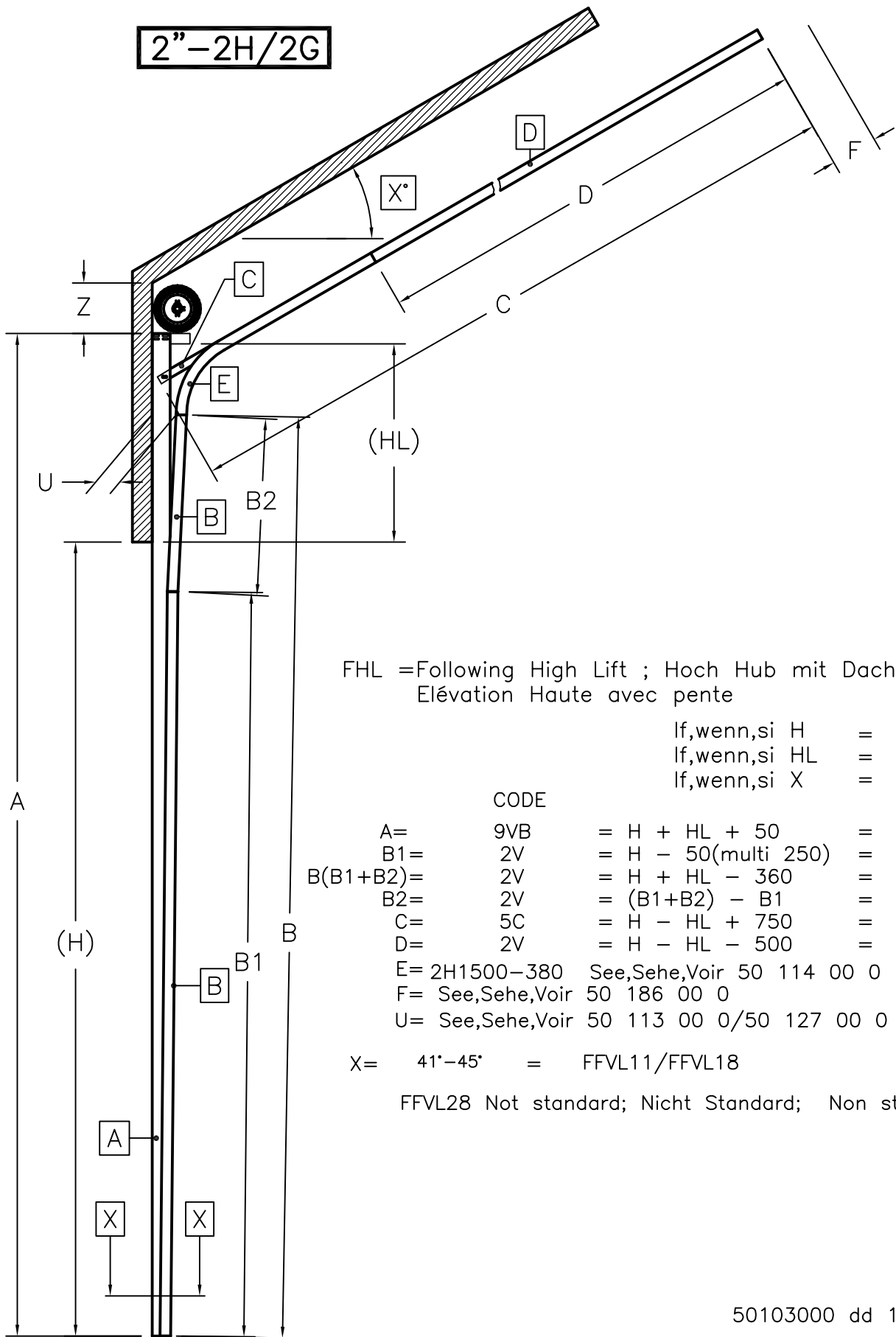
FTR =Following The Roof ; Dachfolge ; Suivant la pente

If,wenn,si H = 4000 mm
If,wenn,si X = 30°

CODE	X					
	3..25	26..30	31..35	36..40	41..45	
A= 9VB = H+	250	285	305	325	445	= 4285 mm
B= 2V = H-	170	100	70	35	0	= 3900 mm
C= 5C = H+	750					= 4750 mm
D= 2V = H-	500					= 3500 mm
E= 2H1500-380	See,Sehe,Voir 50 114 00 0					
F=	See,Sehe,Voir 50 186 00 0					
X= 41°-45°	= FFVL11/FFVL18					

FFVL28 Not standard; Nicht Standard; Non standard

2"-2H/2G



FHL =Following High Lift ; Hoch Hub mit Dachfolge ;
 Elévation Haute avec pente

If, wenn, si H = 4000 mm
 If, wenn, si HL = 1000 mm
 If, wenn, si X = 30°

	CODE			
A=	9VB	= H + HL + 50	= 5050	mm
B1=	2V	= H - 50(multi 250)	= 3750	mm
B(B1+B2)=	2V	= H + HL - 360	= 4640	mm
B2=	2V	= (B1+B2) - B1	= 890	mm
C=	5C	= H - HL + 750	= 3750	mm
D=	2V	= H - HL - 500	= 2500	mm

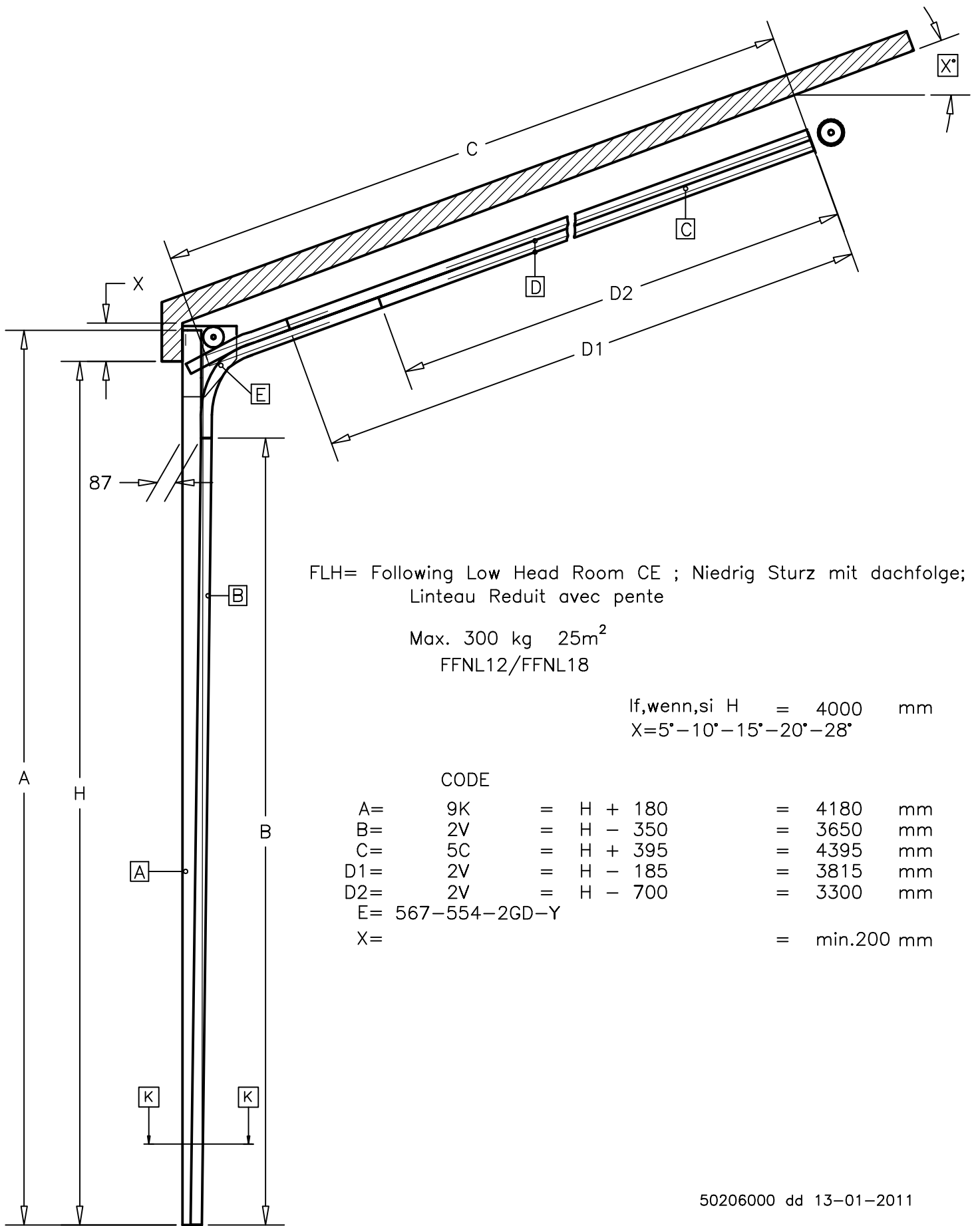
E= 2H1500-380 See,Sehe,Voir 50 114 00 0

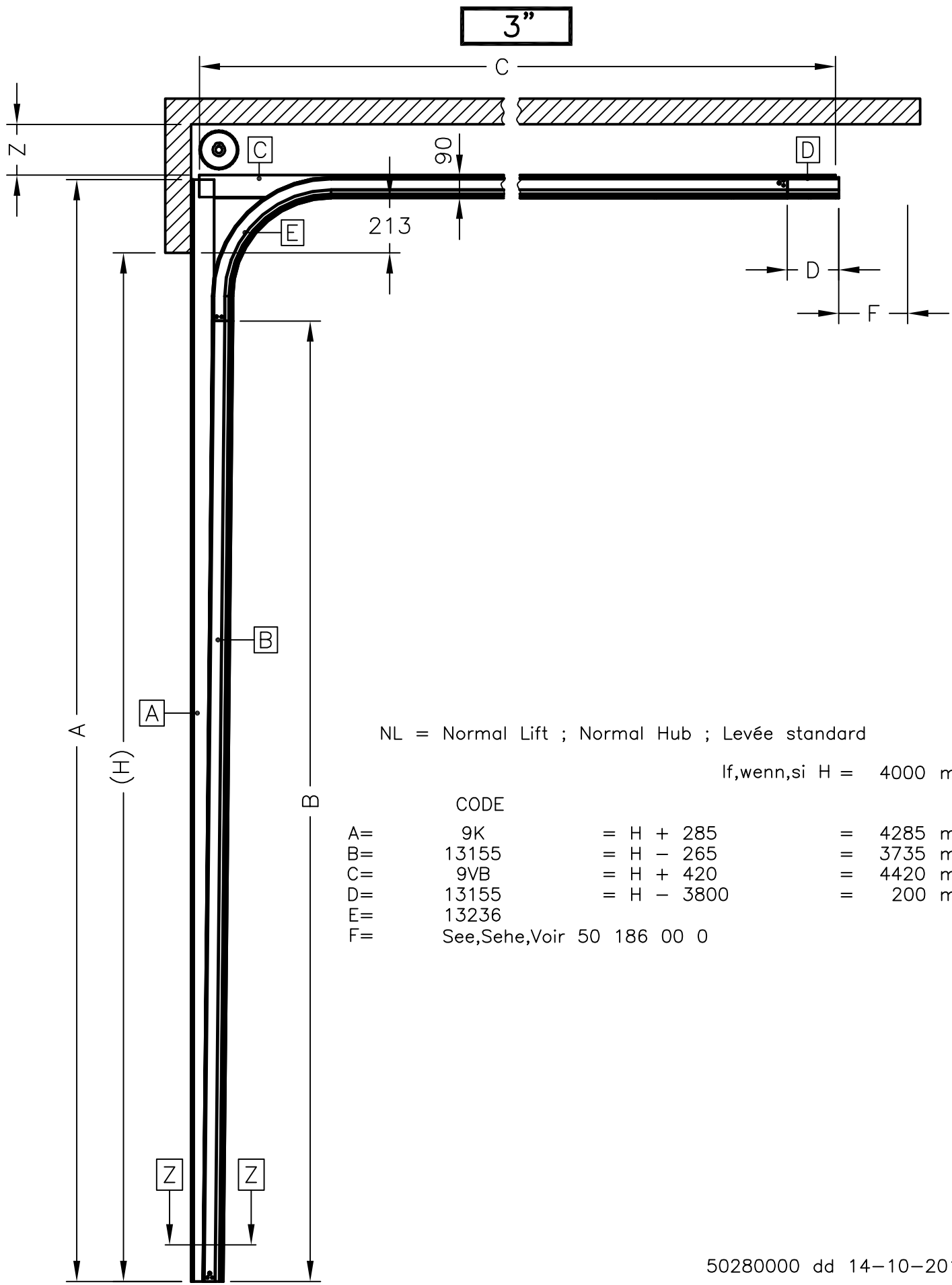
F= See,Sehe,Voir 50 186 00 0

U= See,Sehe,Voir 50 113 00 0/50 127 00 0

X= 41°-45° = FFVL11/FFVL18

FFVL28 Not standard; Nicht Standard; Non standard

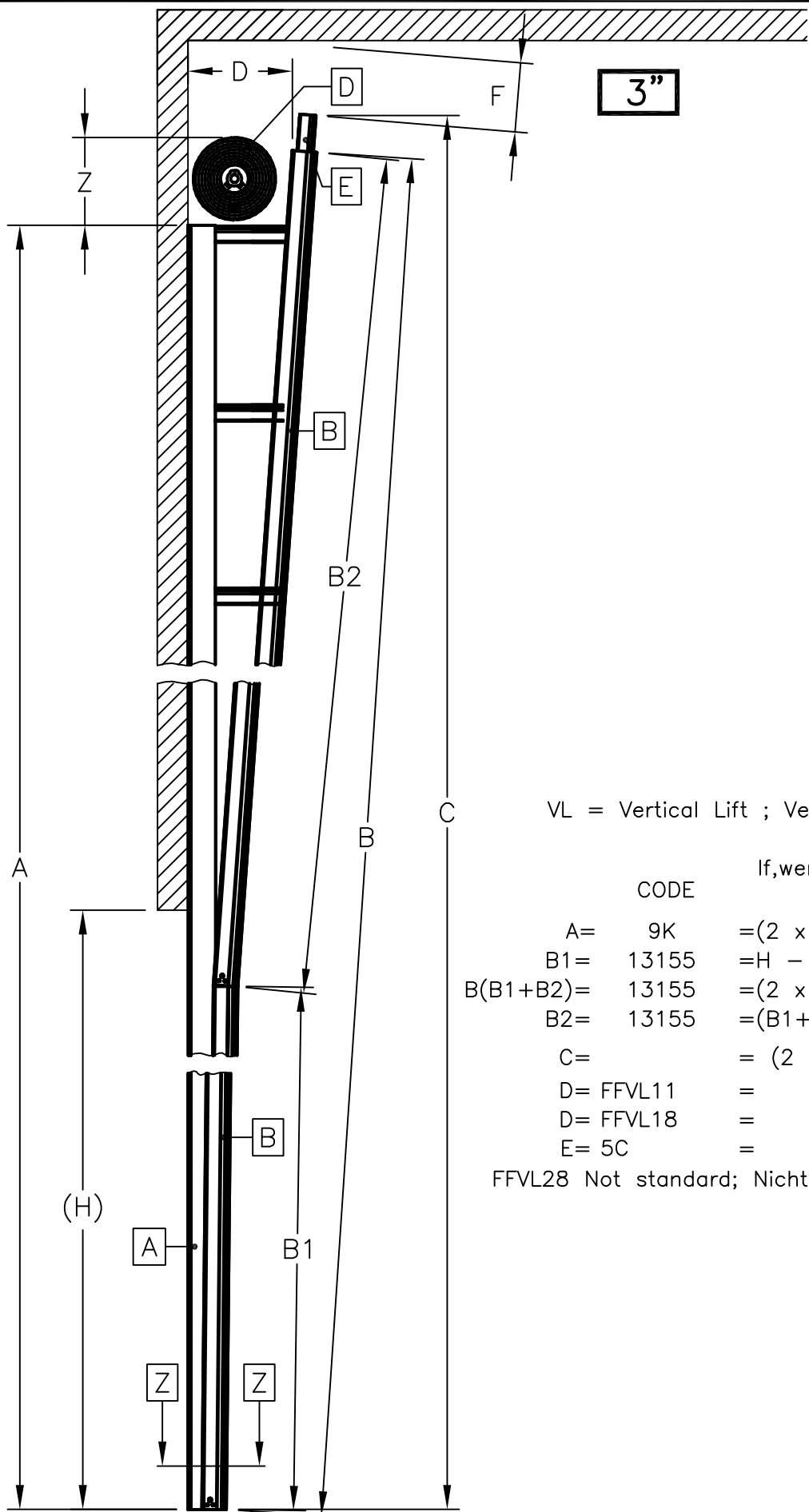




NL = Normal Lift ; Normal Hub ; Levée standard

If, wenn, si H = 4000 mm

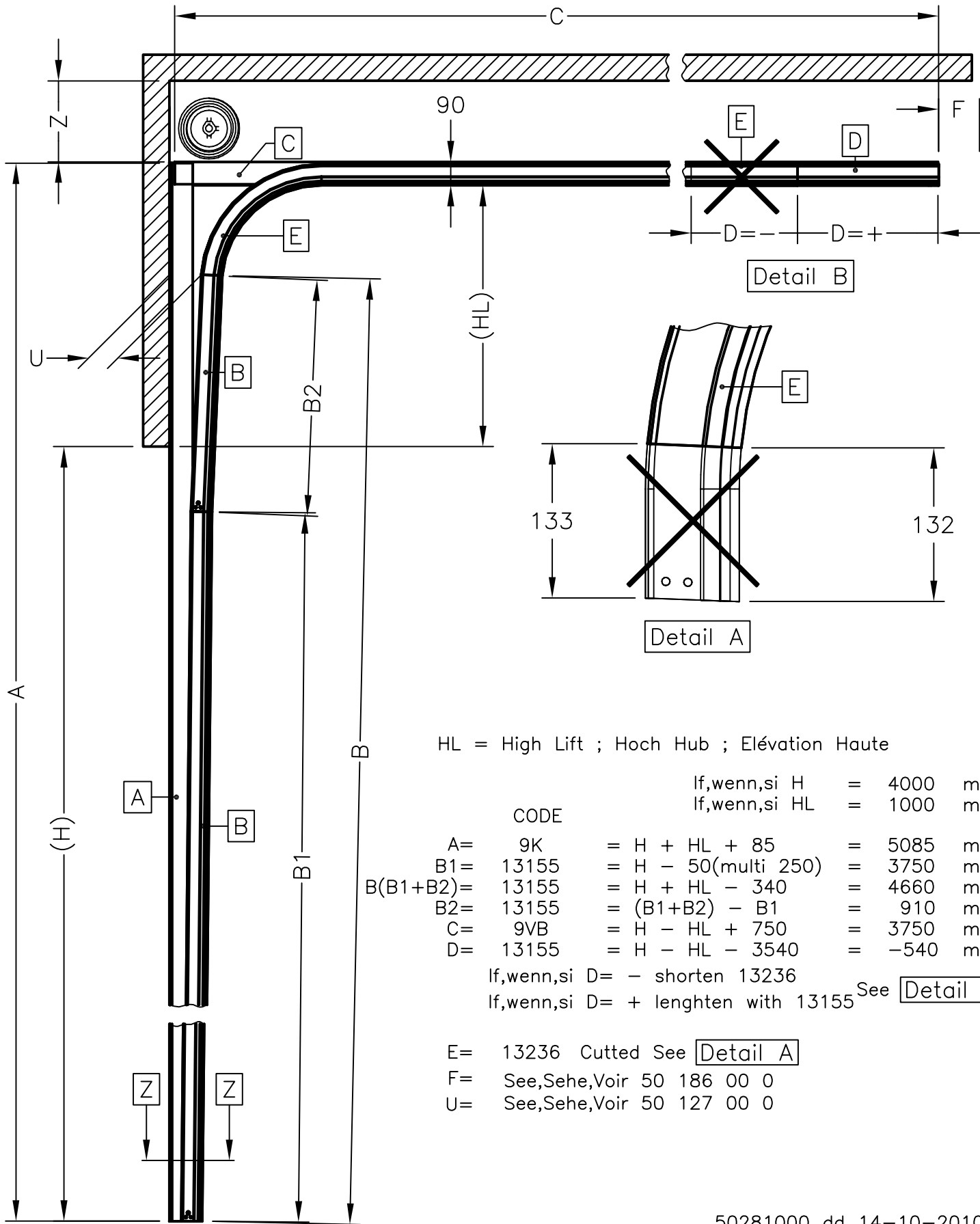
	CODE		
A=	9K	= H + 285	= 4285 mm
B=	13155	= H - 265	= 3735 mm
C=	9VB	= H + 420	= 4420 mm
D=	13155	= H - 3800	= 200 mm
E=	13236		
F=	See, Sehe, Voir	50 186 00 0	



VL = Vertical Lift ; Vertikal Hub ; Levée Verticale

	CODE	If,wenn,si H	=	4000	mm
A=	9K	=(2 x H)	=	8000	mm
B1=	13155	=H - 50(multi 250)	=	3750	mm
B(B1+B2)=	13155	=(2 x H) + 250	=	8250	mm
B2=	13155	=(B1+B2) - B1	=	4500	mm
C=		=(2 x H) + 410	=	8410	mm
D=	FFVL11	=	=	350	mm
D=	FFVL18	=	=	400	mm
E=	5C	=	=	220	mm
FFVL28 Not standard; Nicht Standard; Non standard					

3"



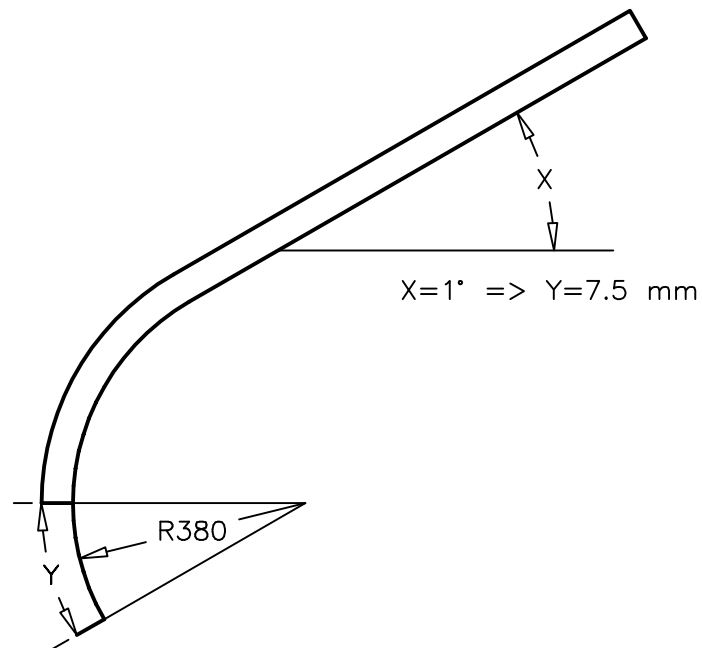
HL = High Lift ; Hoch Hub ; Elévation Haute

			If,wenn,si H	=	4000	mm
			If,wenn,si HL	=	1000	mm
	CODE					
A=	9K	= H + HL + 85	=	5085	mm	
B1=	13155	= H - 50(multi 250)	=	3750	mm	
B(B1+B2)=	13155	= H + HL - 340	=	4660	mm	
B2=	13155	= (B1+B2) - B1	=	910	mm	
C=	9VB	= H - HL + 750	=	3750	mm	
D=	13155	= H - HL - 3540	=	-540	mm	
		If,wenn,si D= - shorten	13236			
		If,wenn,si D= + lengthen with	13155	See	Detail B	
E=	13236	Cuttet	See	Detail A		
F=	See,Sehe,Voir 50 186 00 0					
U=	See,Sehe,Voir 50 127 00 0					

2"-2H

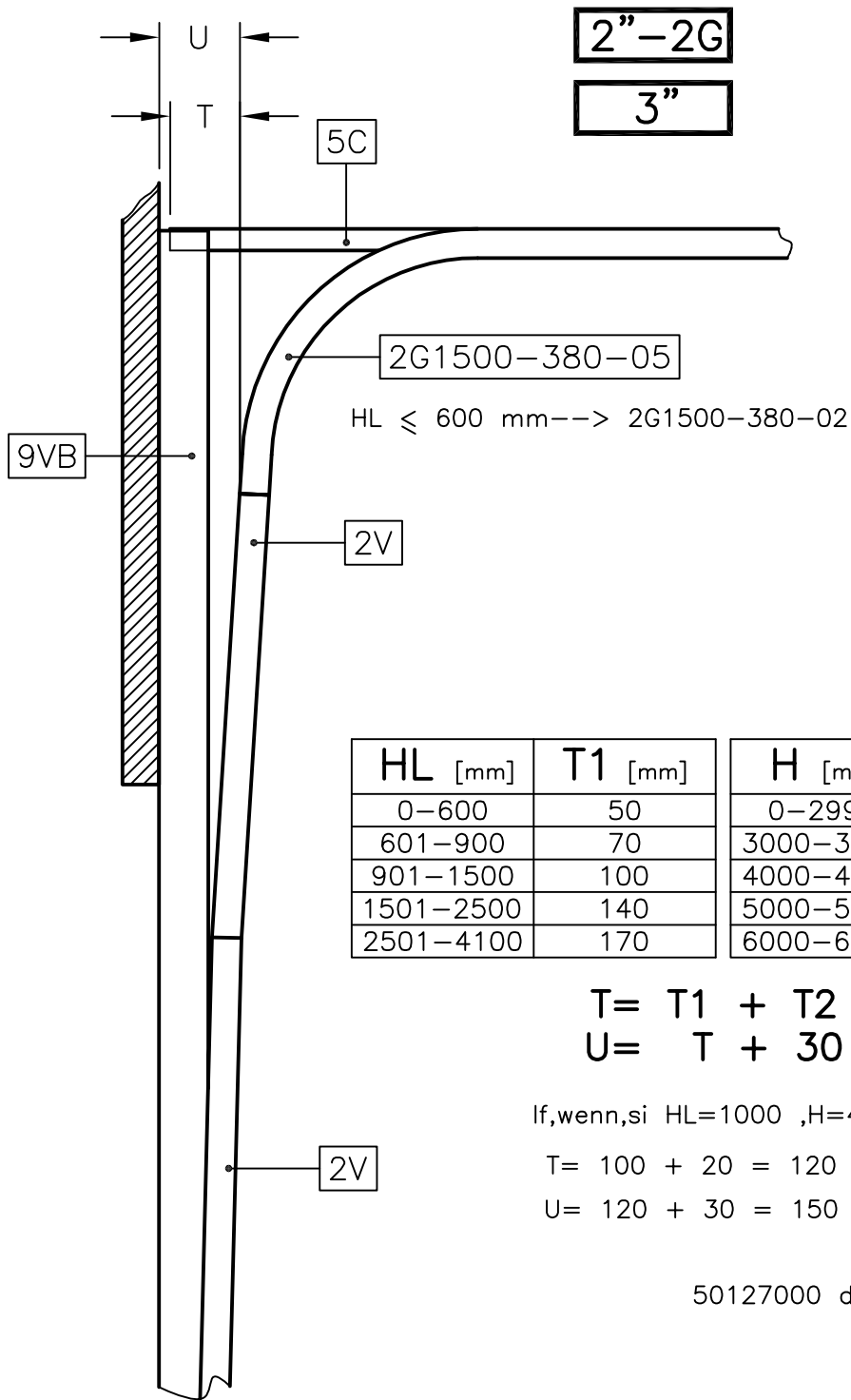
Following, Dachfolge, avec pente

R380 Cut curve, Bogen abkurzen, raccourcir courbes



If, wenn, si $X=30^\circ \Rightarrow Y= 30 \times 7.5 = 225 \text{ mm}$

50114000 dd 13-01-2011



HL [mm]	T1 [mm]	H [mm]	T2 [mm]
0-600	50	0-2999	0
601-900	70	3000-3999	10
901-1500	100	4000-4999	20
1501-2500	140	5000-5999	30
2501-4100	170	6000-6999	40

$$T = T1 + T2$$

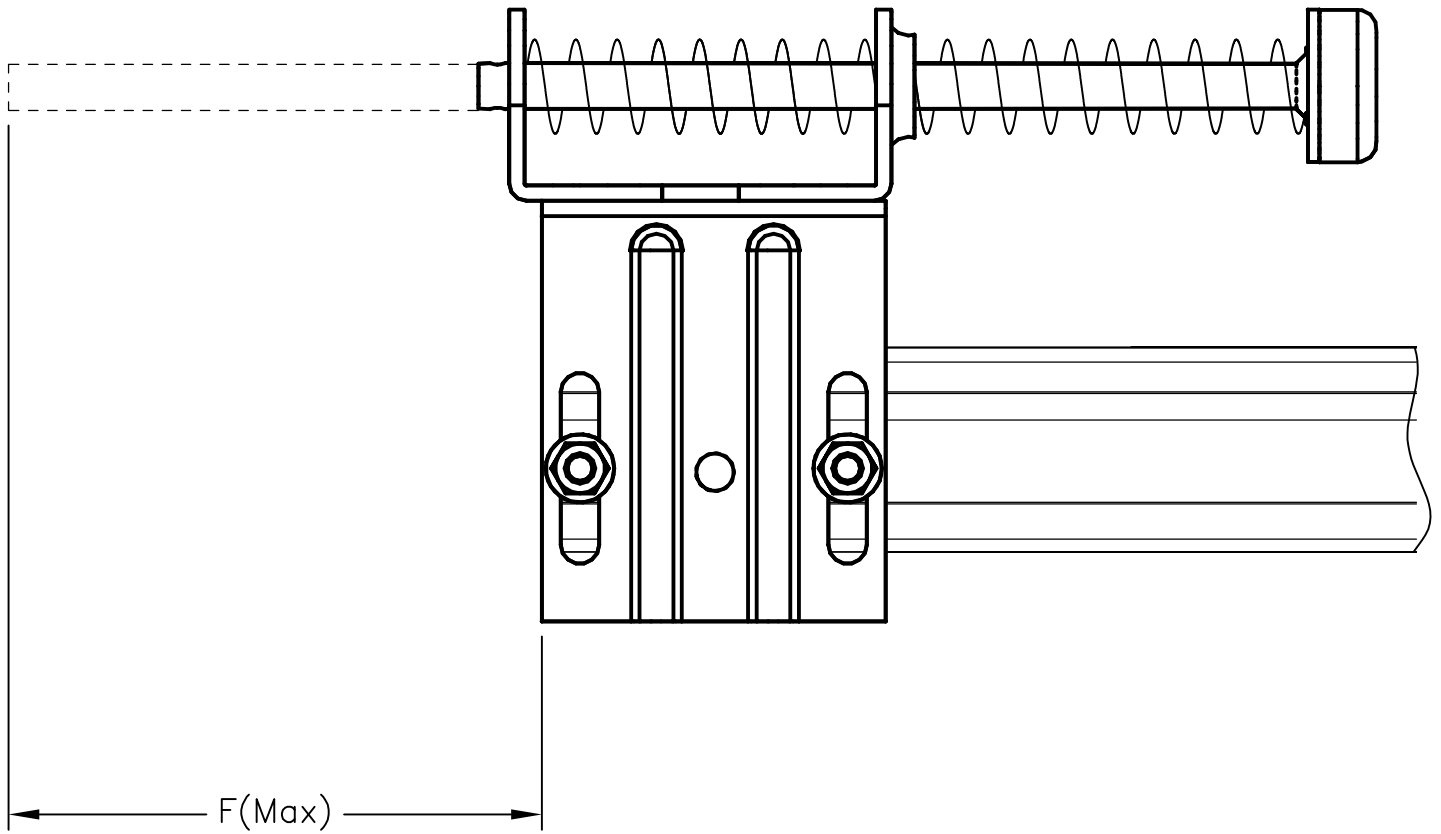
$$U = T + 30$$

If, wenn, si HL=1000 ,H=4000

$$T = 100 + 20 = 120 \text{ mm}$$

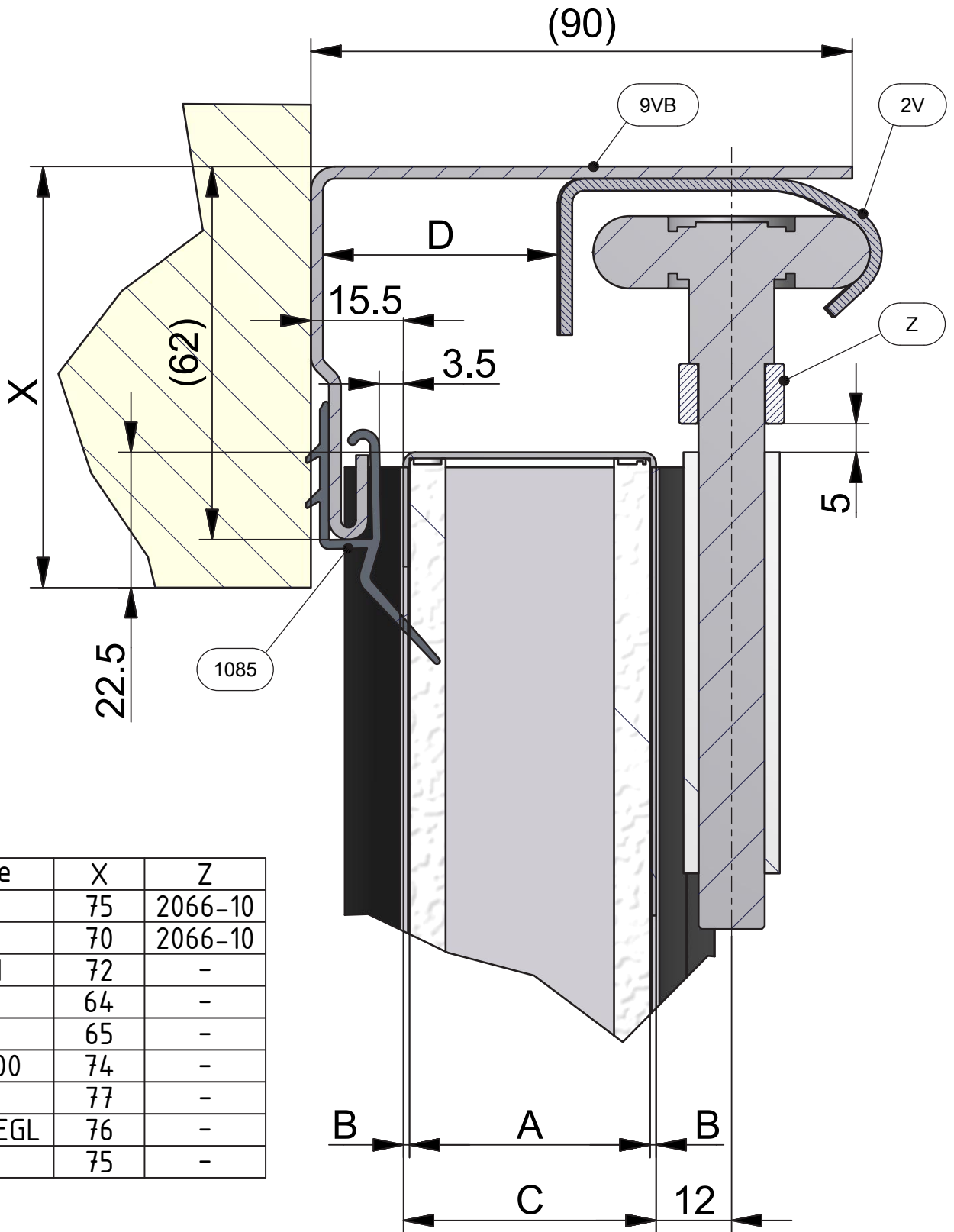
$$U = 120 + 30 = 150 \text{ mm}$$

50127000 dd 13-01-2011



TYPE	F
718C	75
719C	255

50186000 dd 13-01-2011



Type	X	Z
425HD	75	2066-10
427SX	70	2066-10
428TAI	72	-
429	64	-
430HD	65	-
440-600	74	-
444	77	-
440-REGL	76	-
440HD	75	-

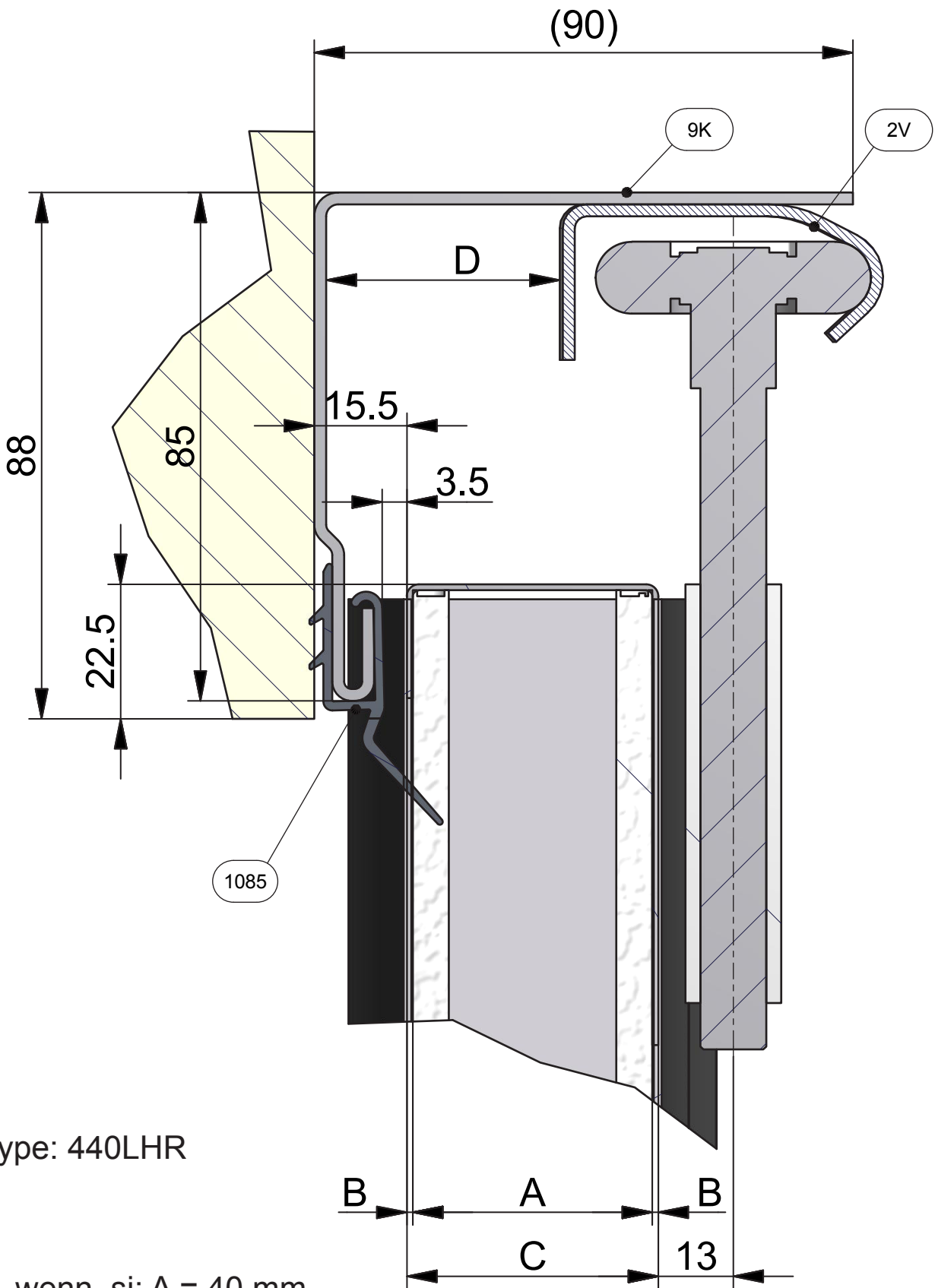
If, wenn, si: A = 40 mm

B = 1 mm

C = 40 + (2x1) = 42 mm

D = C - 3 = 39 mm

X - X



Type: 440LHR

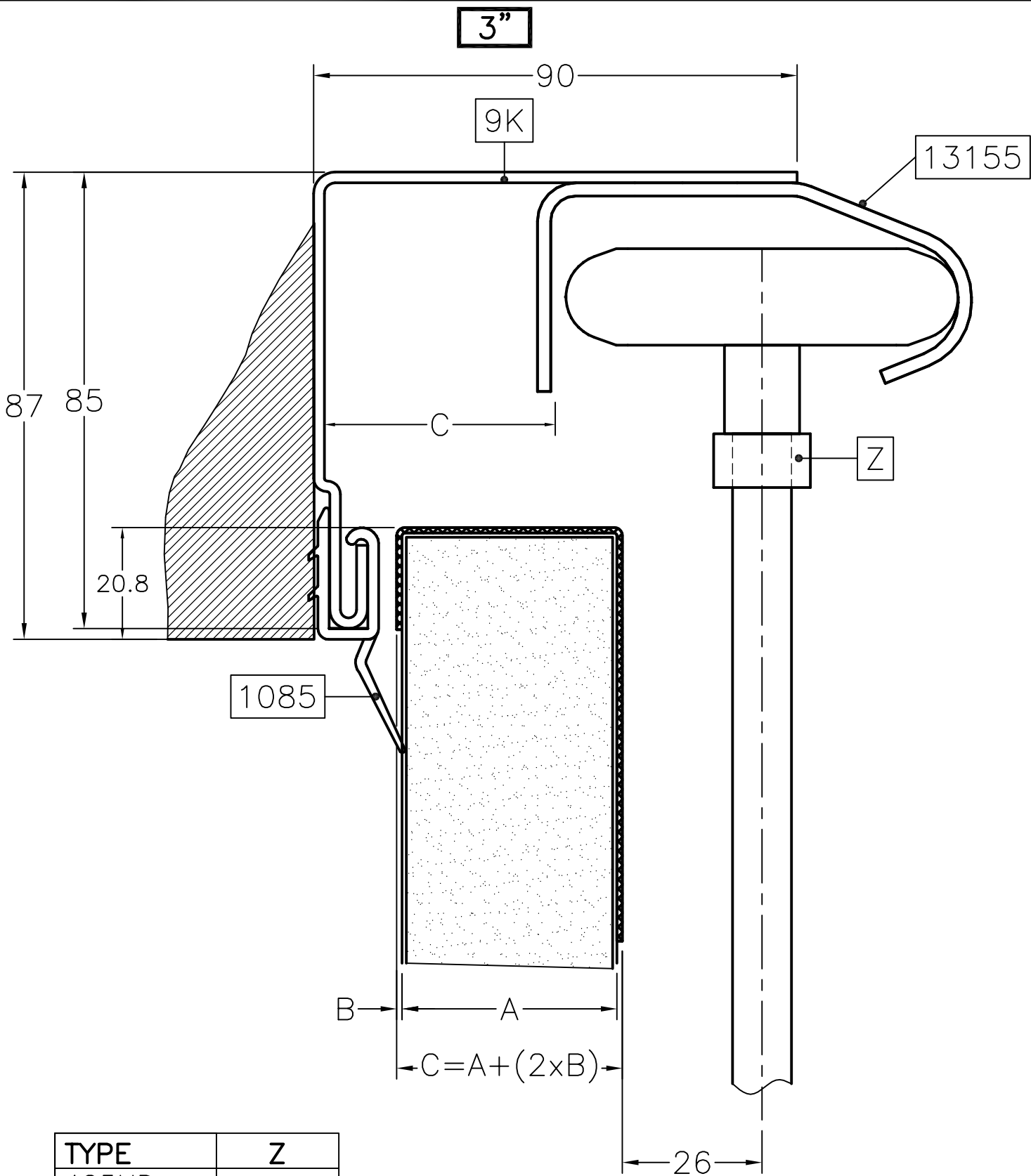
If, wenn, si: A = 40 mm

B = 1 mm

C = 40 + (2x1) = 42 mm

D = C - 3 = 39 mm

K - K

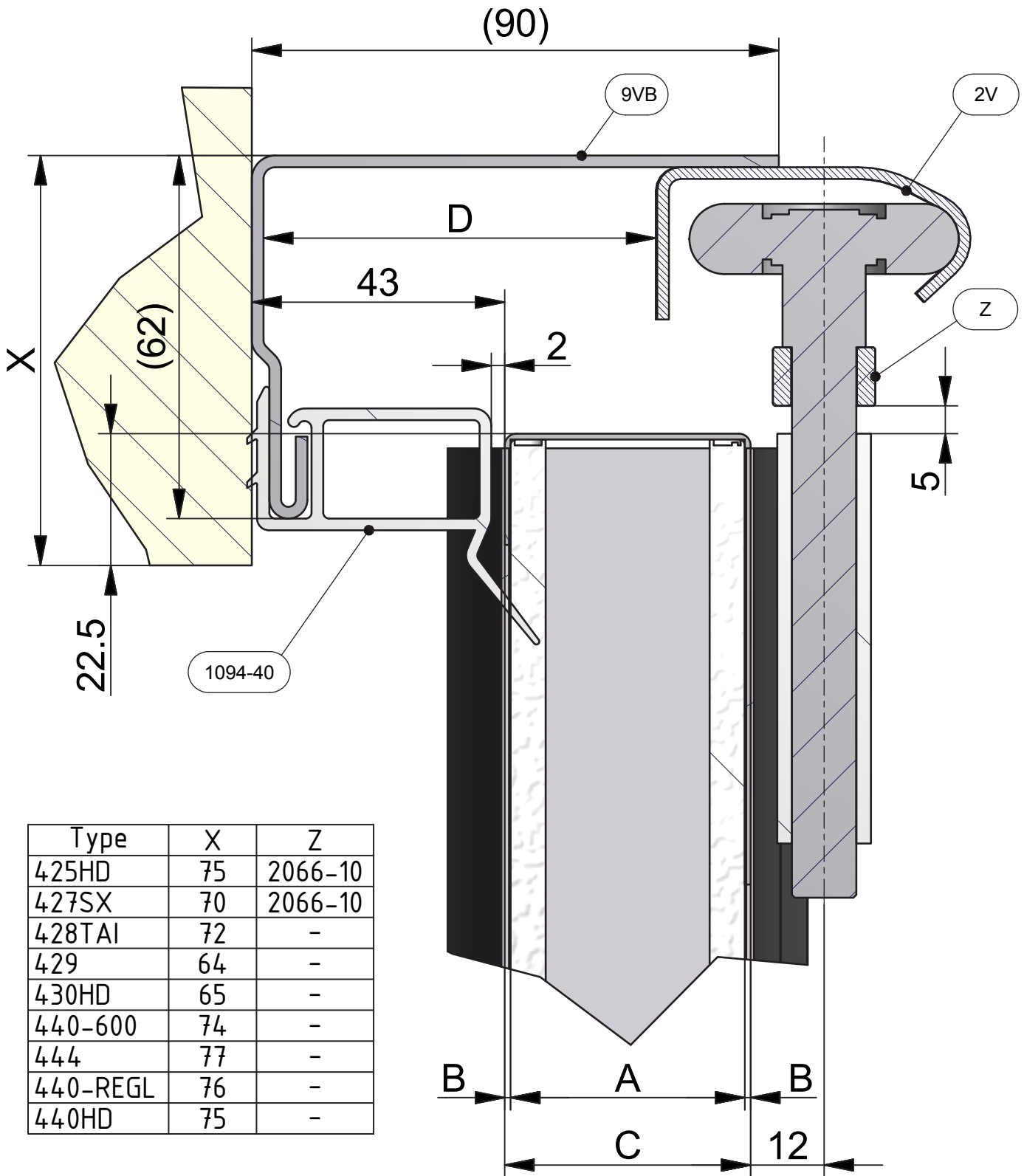


TYPE	Z
425HD	2066-05
430HD	
440-3"	-

If A = 40 mm
 B = 1 mm
 $C = 40 + (2 \times 1) = 42$ mm

50283000 dd 02-02-2011

Section Z-Z



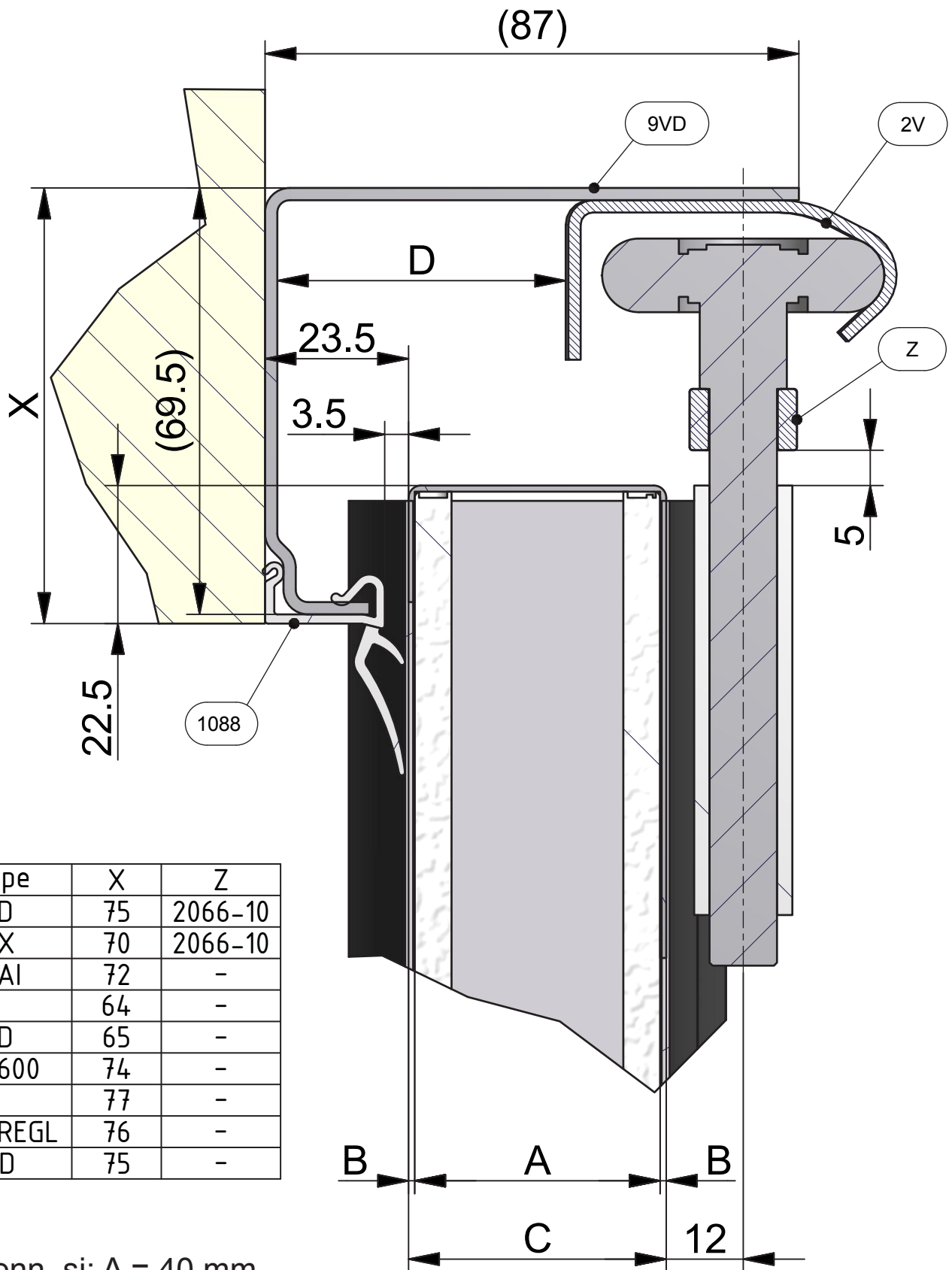
If, wenn, si: A = 40 mm

B = 1 mm

C = 40 + (2x1) = 42 mm

D = C + 25 = 67 mm





Type	X	Z
425HD	75	2066-10
427SX	70	2066-10
428TAI	72	-
429	64	-
430HD	65	-
440-600	74	-
444	77	-
440-REGL	76	-
440HD	75	-

If, wenn, si: A = 40 mm

B = 1 mm

C = 40 + (2x1) = 42 mm

D = C+5 = 47 mm

D - D