



## TECHNICAL DRAWINGS LIFT SYSTEMS INDUSTRIAL DOORS

FF-Logic specification			Build in information		
Drumcode	Opening height	Doorweight	High Lift	Size Z	Centerline
	Max. (mm)	Max. (kg)	Max. (mm)	(mm)	Bearing plate (mm)
<b>normal lift</b>					
FF-NL-12	3680	500		132 / 150**	86 / 111**
FF-NL-18	5570	500		166 / 184**	86 / 111**
FF-NL-32	10000	700		237	127
FF-NL-32 (5/4)	10000	700		237	152
<b>high lift</b>					
FF-HL-54	4800	500	1370	199	111
FF-HL-120	4800	500	3050	249	127
FF-HL-164	6000	650	4100	295	152
FF-HL-164 (5/4)	6000	650	4100	295	152
<b>vertical lift</b>					
FF-VL-11	3300	500		229	127
FF-VL-18	6000	500		295	152
FF-VL-18 (5/4)	6000	500		295	152
FF-VL-28	7450	825		356	180
FF-VL-28 (5/4)	7450	825		356	180

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

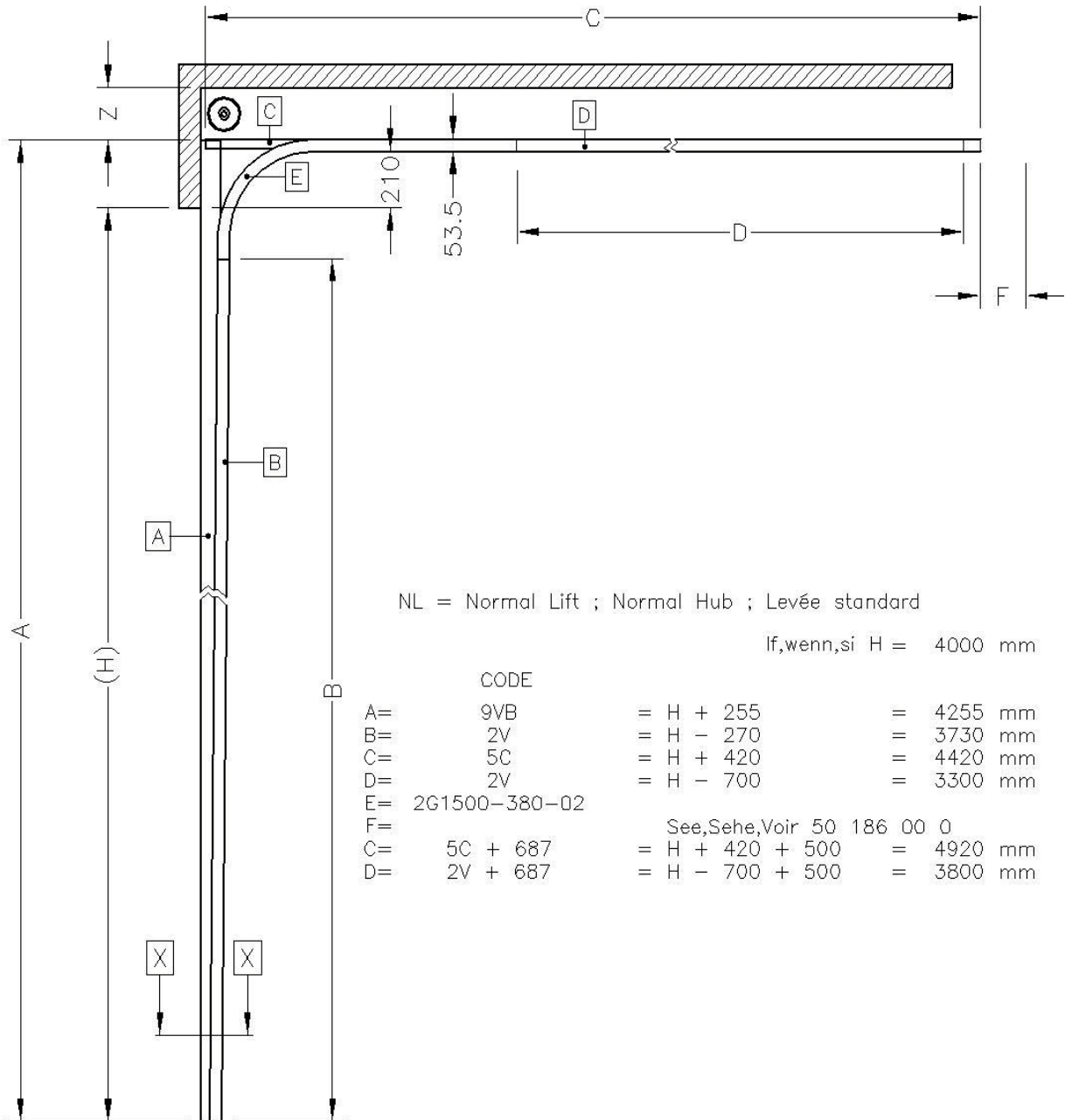
\*\* Size Z and Centerline bearing plate in case 6" springs are being selected.

### Content:

NL	Normal Lift	page 2
HL	High Lift	page 3 / 4
LHR	Low Head Room	page 5
VL	Vertical Lift	page 6
FTR	Following The Roof	page 7
FHL	Following High Lift	page 8
FLH	Following Low Headroom	page 9
R380	Curve following Section	page 10 page 11
100K	Box beam installation	page 12
	Spring bumpers	page 13



**2"-2G**



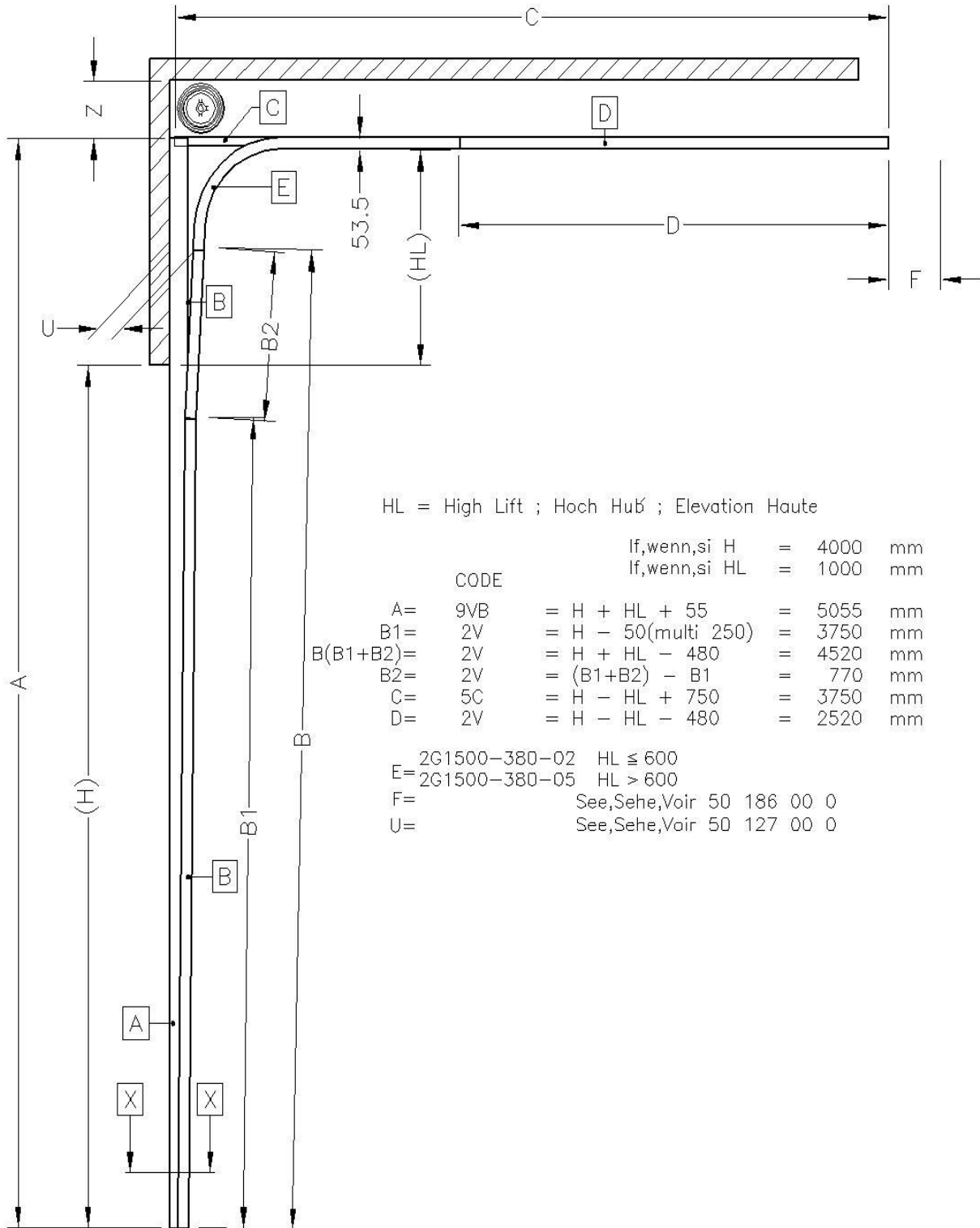
NL = Normal Lift ; Normal Hub ; Levée standard

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 Huß ; 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

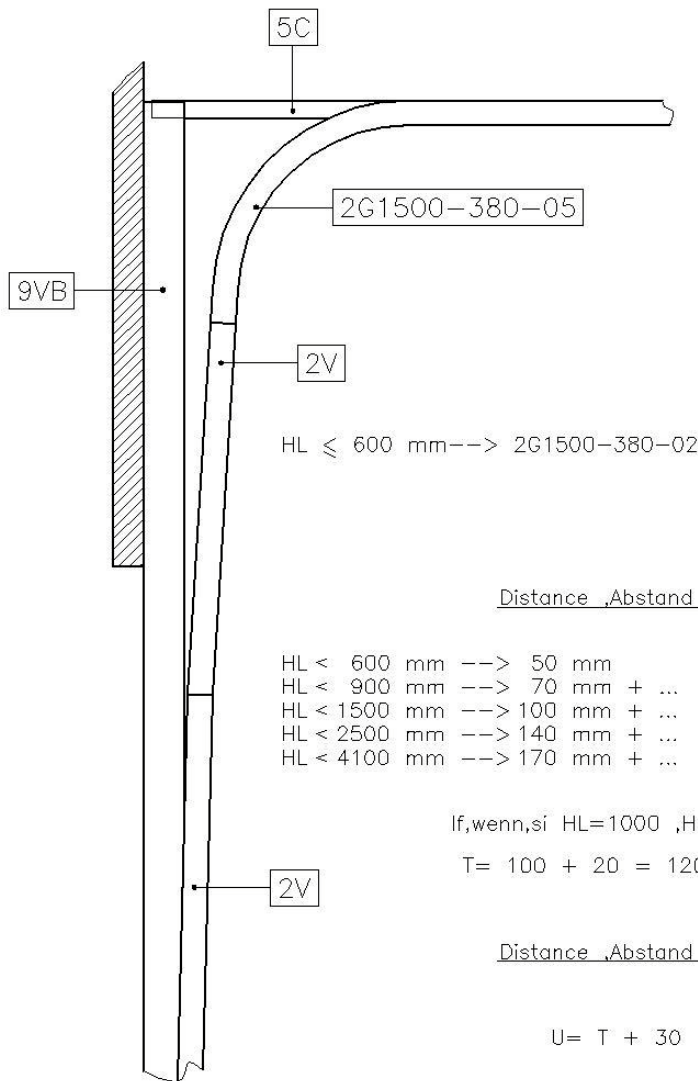
E= 2G1500-380-05 HL > 600

F= See,Sehe,Voir 50 186 00 0

U= See,Sehe,Voir 50 127 00 0



## 2"-2G



HL ≤ 600 mm → 2G1500-380-02

### Distance „Abstand „T“

HL < 600 mm	→ 50 mm	H < 3000 mm	→ + 0 mm
HL < 900 mm	→ 70 mm + ...	H < 4000 mm	→ + 10 mm
HL < 1500 mm	→ 100 mm + ...	H < 5000 mm	→ + 20 mm
HL < 2500 mm	→ 140 mm + ...	H < 6000 mm	→ + 30 mm
HL < 4100 mm	→ 170 mm + ...	H < 7000 mm	→ + 40 mm

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

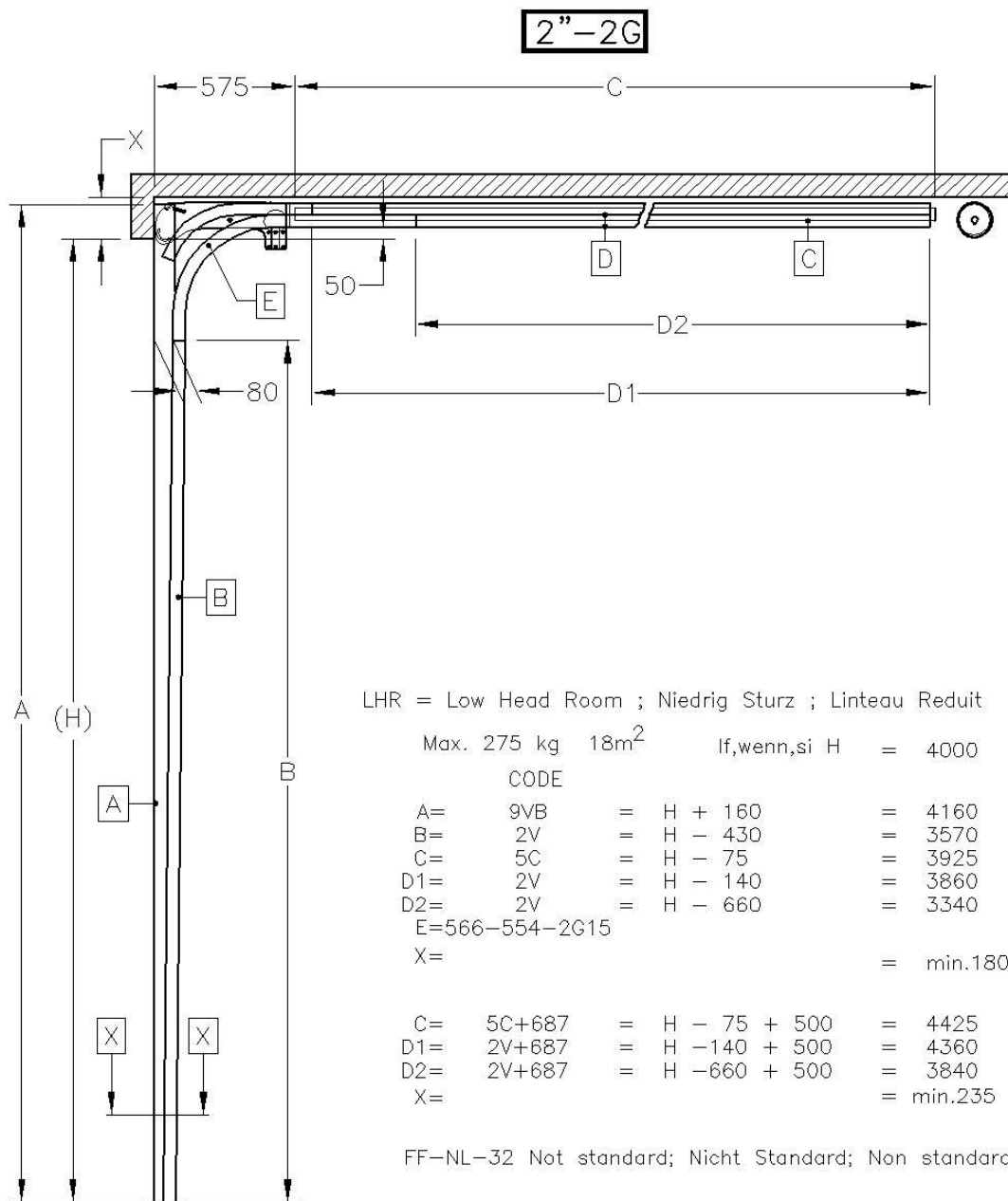
$$T = 100 + 20 = 120 \text{ mm}$$

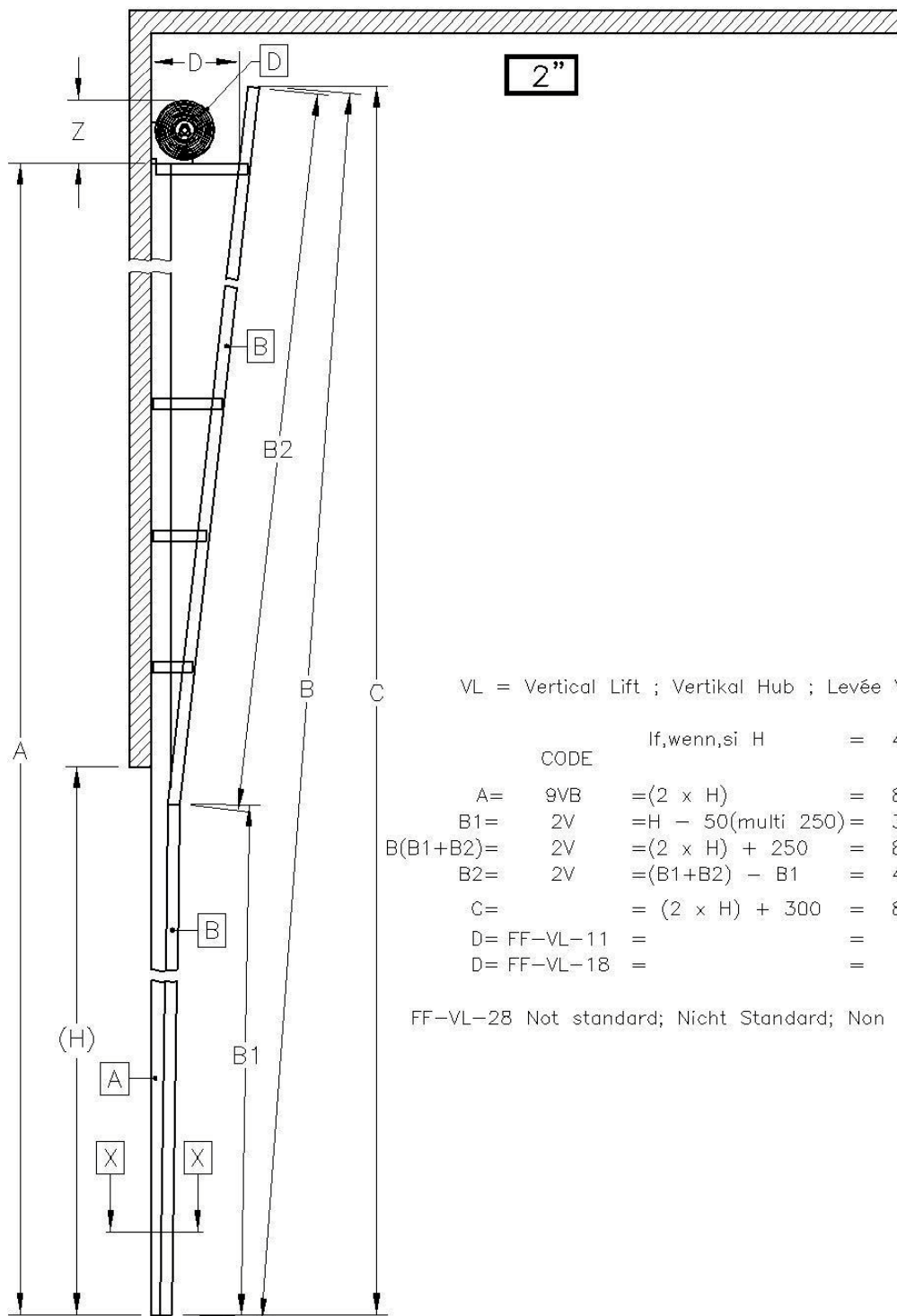
### Distance „Abstand „U“

$$U = T + 30$$

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

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

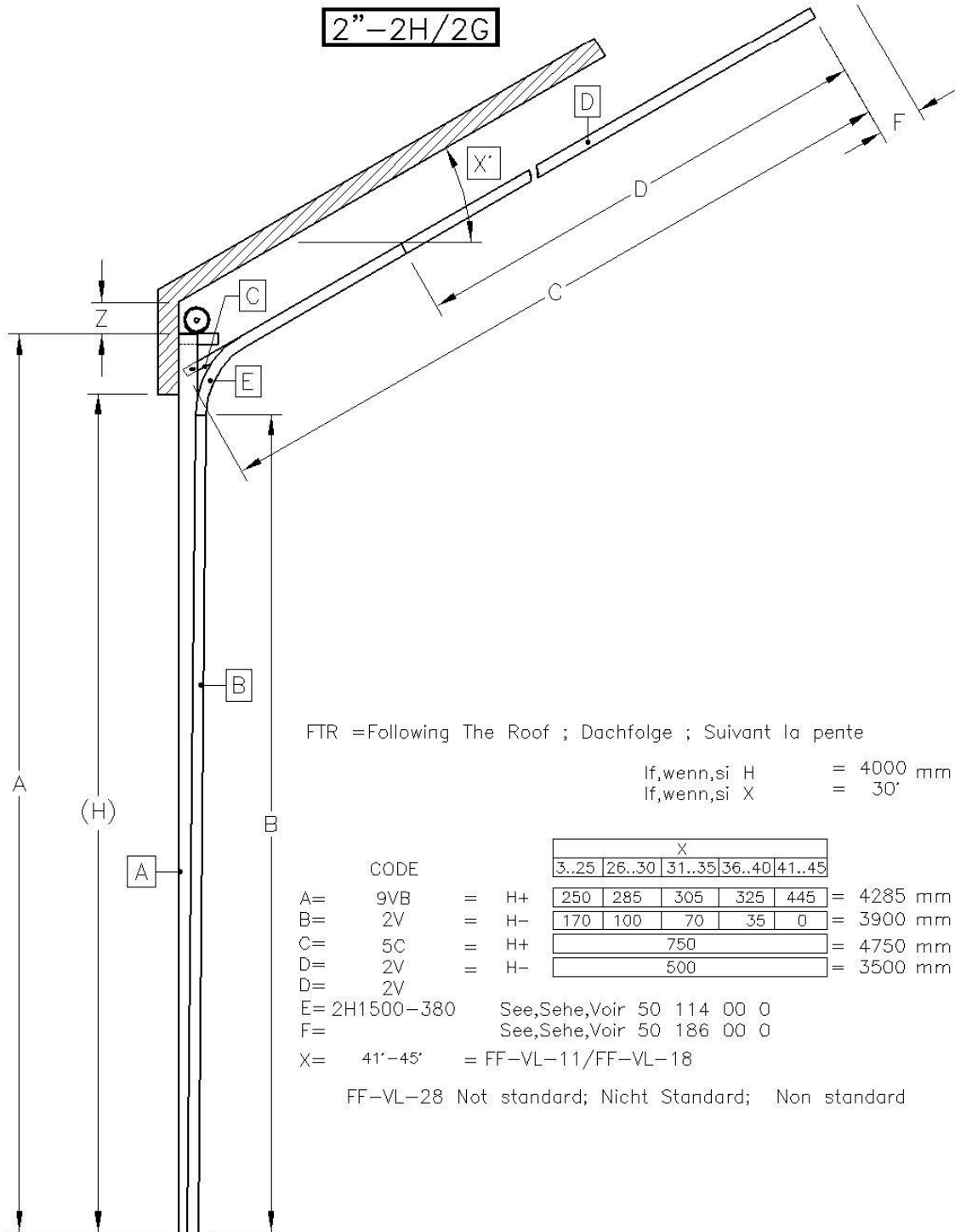


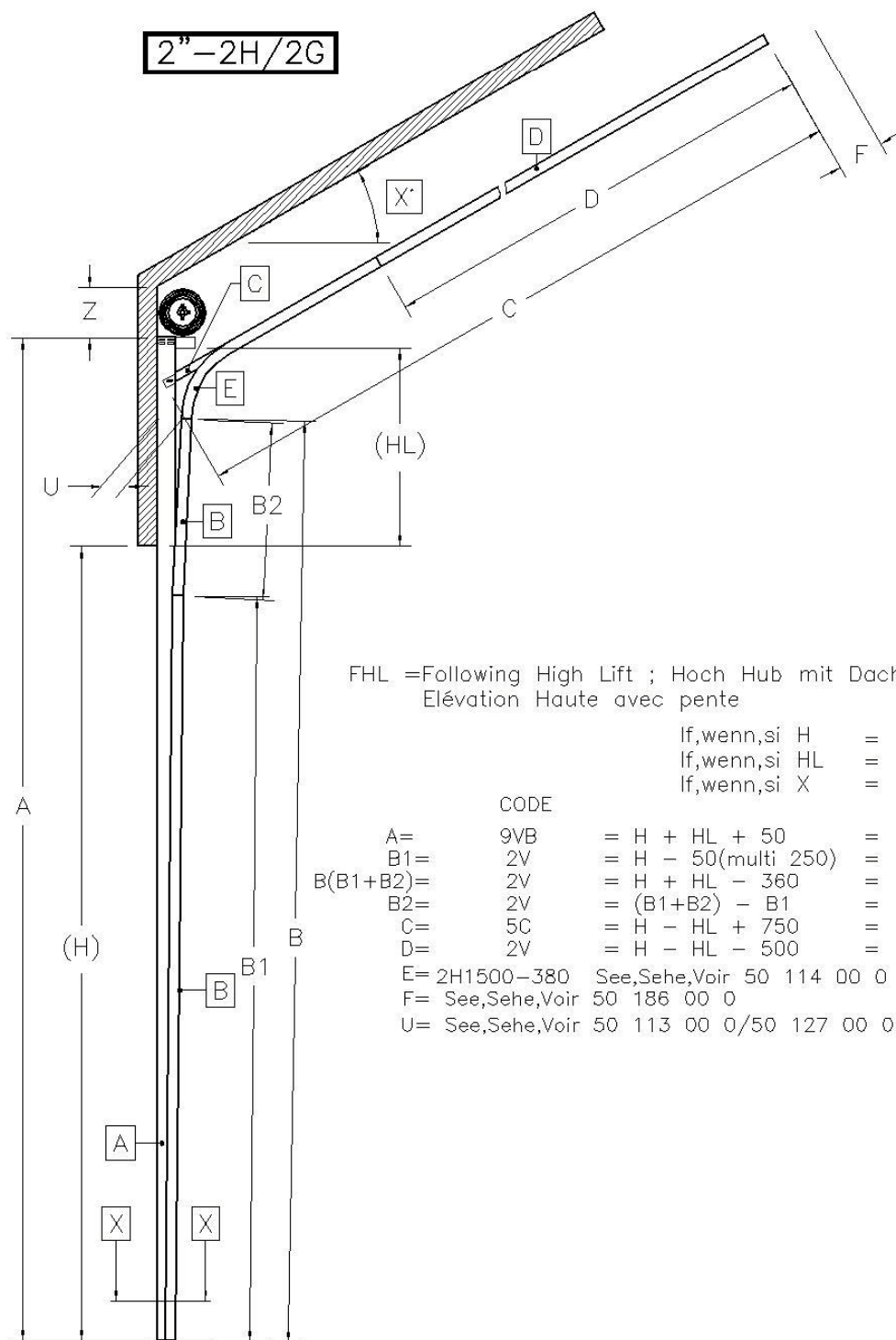


VL = Vertical Lift ; Vertikal Hub ; Levée Verticale

	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) + 300	= 8300 mm
D=	FF-VL-11	=	= 350 mm
D=	FF-VL-18	=	= 400 mm

FF-VL-28 Not standard; Nicht Standard; Non standard



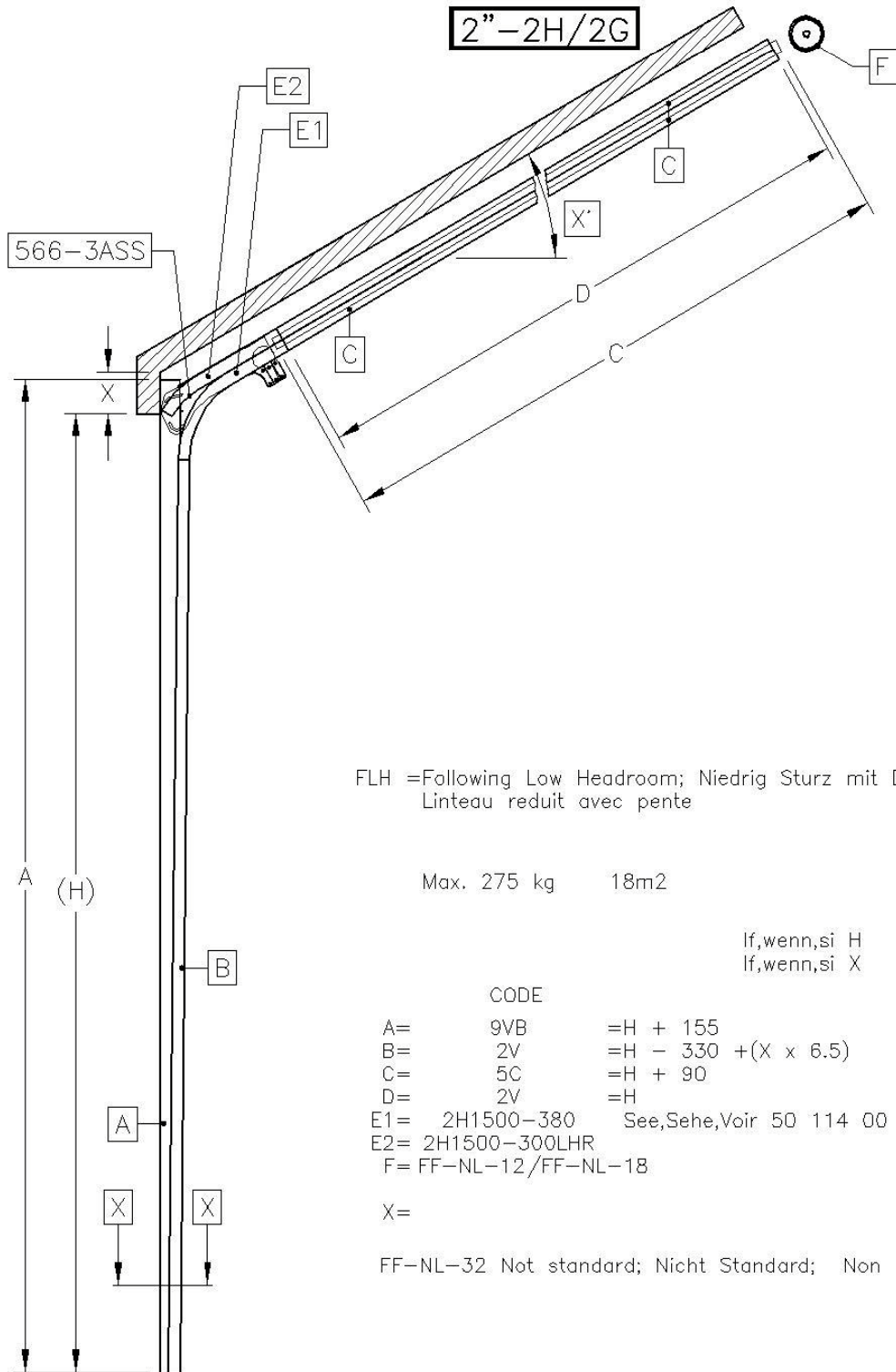


FHL =Following High Lift ; Hoch Hub mit Dachfolge ;  
 Elévation Haute avec pente

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		





FLH =Following Low Headroom; Niedrig Sturz mit Dachfolge;  
Linteau reduit avec pente

Max. 275 kg    18m<sup>2</sup>

If, wenn, si H = 4000 mm  
If, wenn, si X = 30' (Max.35')

CODE			
A=	9VB	=H + 155	= 4155 mm
B=	2V	=H - 330 +(X x 6.5)	= 3865 mm
C=	5C	=H + 90	= 4090 mm
D=	2V	=H	= 4000 mm
E1=	2H1500-380	See,Sehe,Voir	50 114 00 0
E2=	2H1500-300LHR		
F=	FF-NL-12/FF-NL-18		

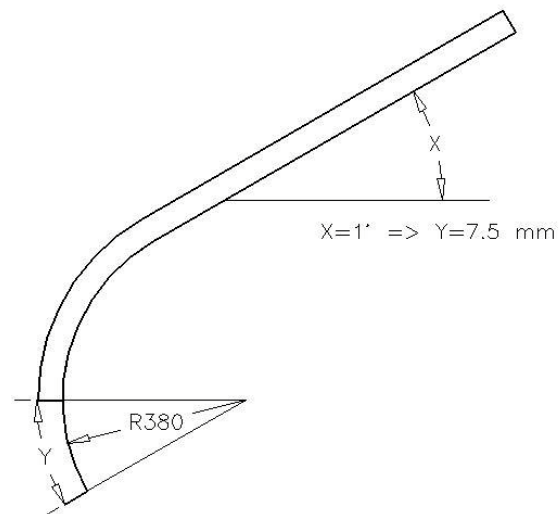
X= = min.180 mm

FF-NL-32 Not standard; Nicht Standard; Non standard

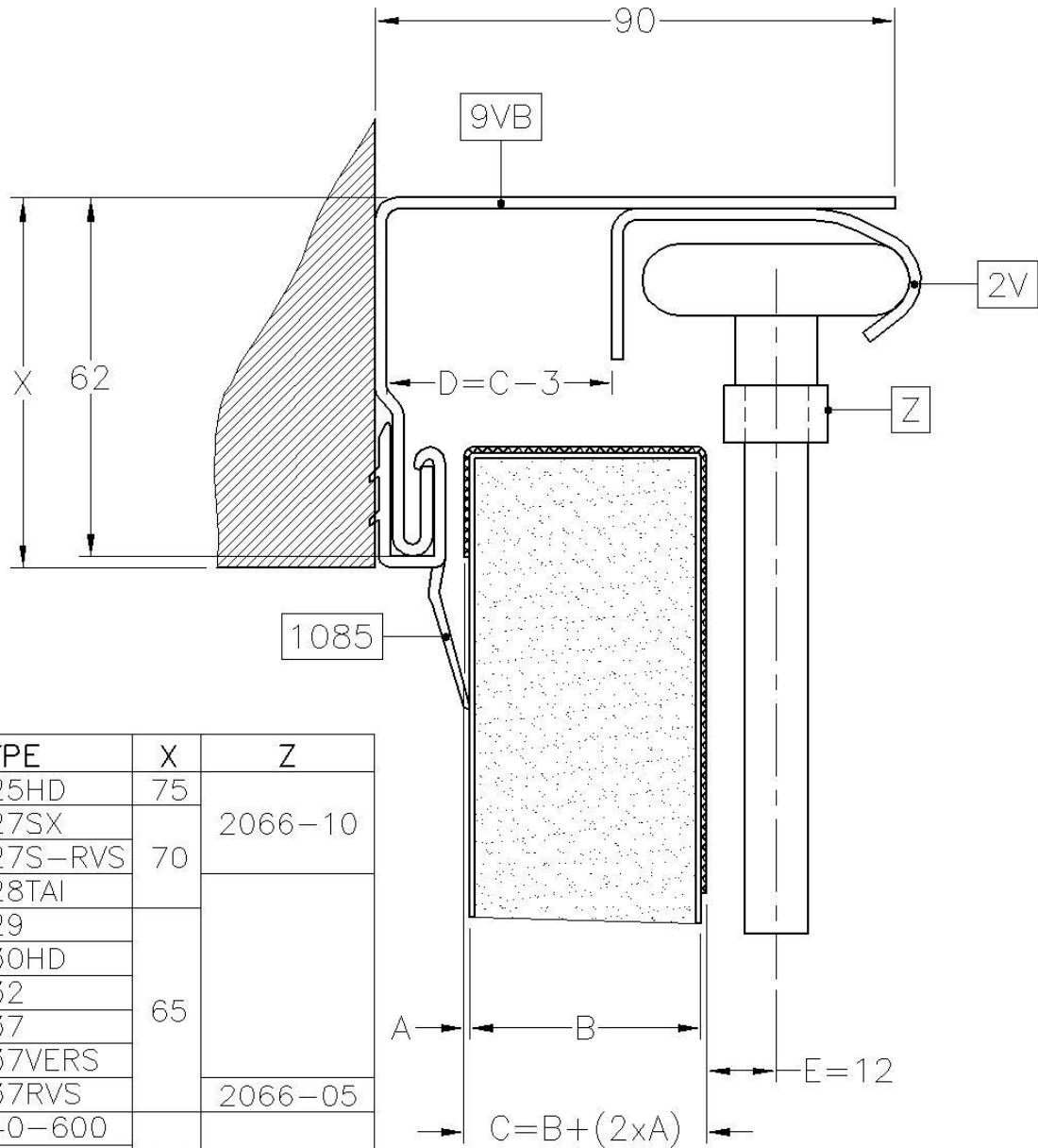


Following,Dachfolge,avec pente

R380 Cut curve,Bogen abkurzen,raccourcir courbes



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



TYPE	X	Z
425HD	75	2066-10
427SX	70	
427S-RVS		65
428TAI	2066-05	
429		75
430HD		
432		
437		
437VERS		
437RVS		
440-600		
440REGL		
440HD		

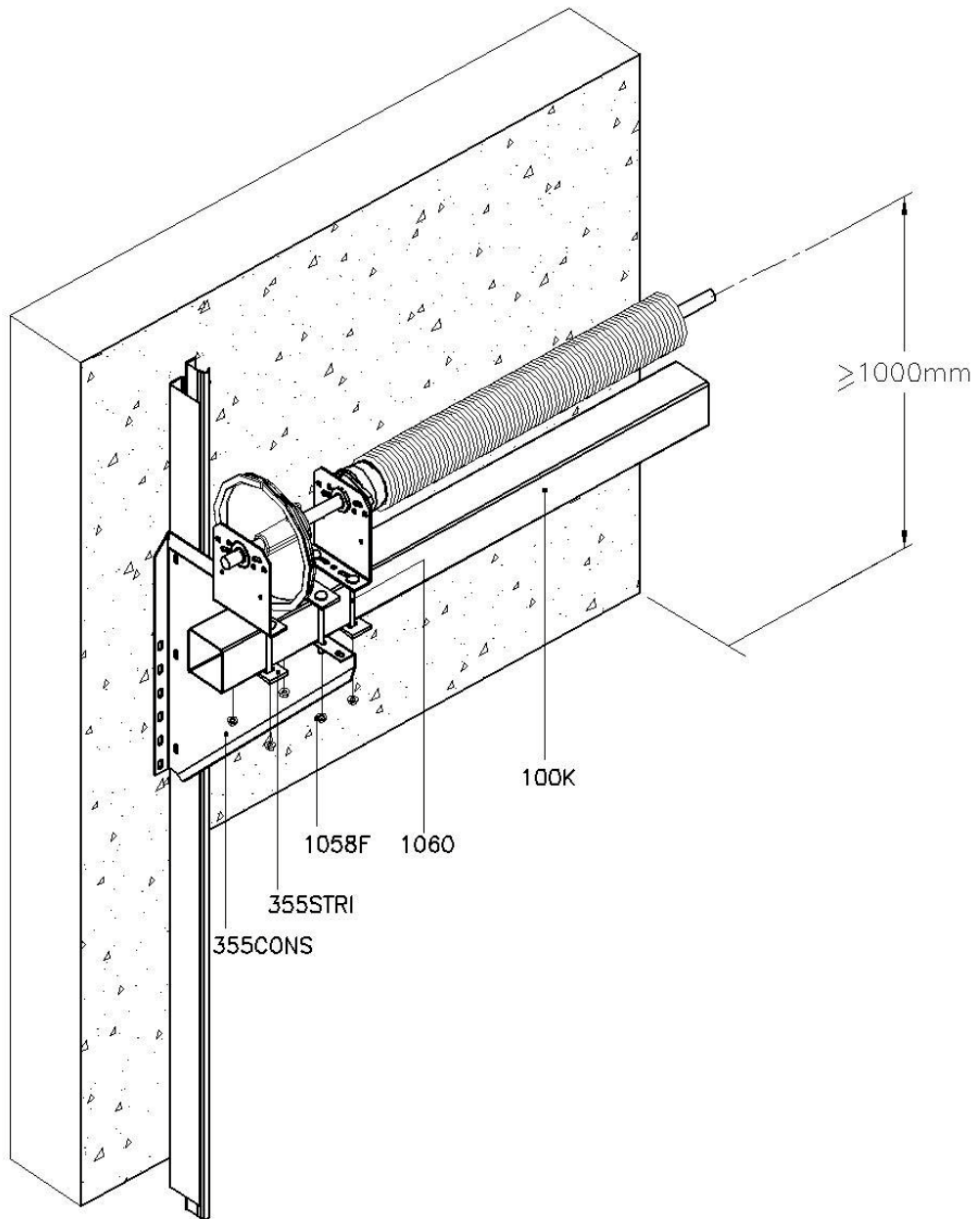
lf, wenn, si

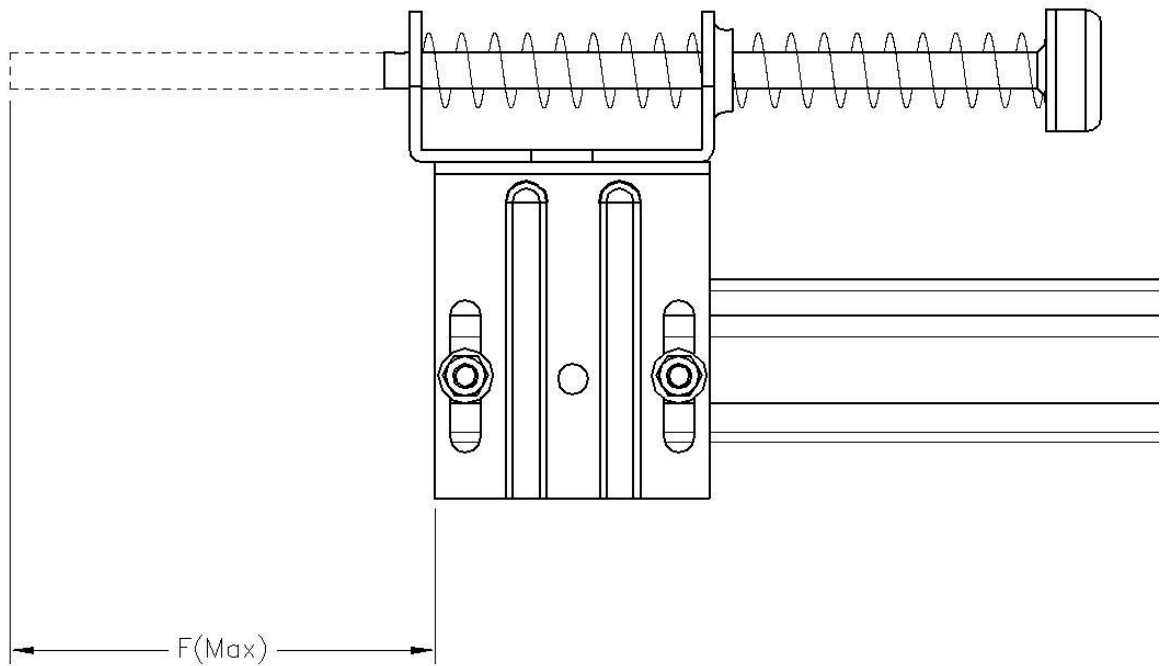
B= 40 mm

A= 1 mm

C=40+(2x1)=42 mm

D=42-3 =39 mm





TYPE	F
718EPS	75
719EPS	255
719EPS-750	445