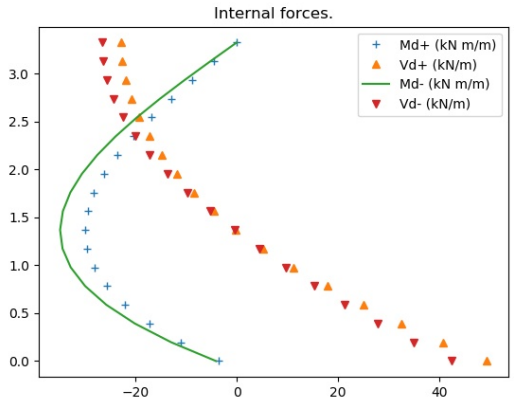
T1	
	WALL GEOMETRY Stem top thickness : $b_{top} = 0.25\ m$ Stem height : $h_{stem} = 3.15\ m$ Stem bottom thickness : $b_{bottom} = 0.25\ m$ Footing thickness : $b_{footing} = 0.36\ m$
MATERIALS Concrete : C4000 Steel : A615G60 Concrete cover : 55 mm	

TABLE 1 – Wall materials and dimensions T1

WALL : T1 STABILITY CHECK			
Vérification :	F_{disp}	F_{req}	Combination
Overturning :	-893.94	1.00	EQ1615
Sliding :	0.87	1.00	EQ1608
Bearing capacity :	0.51	1.00	EQ1608
Adm. pressure :	2.06	1.00	EQ1608
$F_{avail.}$: available security. F_{req} : required security.			

WALL : T1 ROTATION CHECK		
β_{disp}(‰)	β_{req}(‰)	Combination
-1.67	2.00	ELS00
β_{disp} : wall maximum computed rotation. β_{req} : wall maximum admissible rotation.		

T1 WALL REINFORCEMENT
Reinforcement 1 (outside reinforcement dowels) : RC section dimensions ; b= 1.00 m, h= 0.25 m diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 4.56 cm2/m F(As)= 3.54 OK ! Bending check : Md= 10.39 kN m, MR= 99.62kN m F(M)= 9.59 OK ! Shear check : Vd= 38.35 kN, VR= 199.37 kN F(V)= 5.20 OK ! Stress check : M= 10.39 kN m, σ_s= 28.17 MPa
../..

T1 (suite)

σ_{lim}= 230.00 MPa F(σ_s)= 8.16 OK !

Reinforcement 3 (footing top reinforcement) :

RC section dimensions ; b= 1.00 m, h= 0.36 m

diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).

diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).

area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK !

Bending check : Md= 0.91 kN m, MR= 152.86kN m F(M)= 167.99 OK !

Shear check : Vd= 2.99 kN, VR= 279.12 kN F(V)= 93.24 OK !

Stress check : M= 0.91 kN m, σ_s= 1.76 MPa

σ_{lim}= 230.00 MPa F(σ_s)= 130.52 OK !

Reinforcement 4 (inside reinforcement dowels) :

diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters).

area : As= 4.73 cm2/m areaMin : 1.72 cm2/m F(As)= 2.75 OK !

Reinforcement 5 (inside stem reinforcement) :

RC section dimensions ; b= 1.00 m, h= 0.25 m

diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).

area : As= 6.67 cm2/m areaMin : 4.56 cm2/m F(As)= 1.46 OK !

Bending check : Md= 32.93 kN m, MR= 41.36kN m F(M)= 1.26 OK !

Shear check : Vd= 9.01 kN, VR= 199.37 kN F(V)= 22.14 OK !

Stress check : M= 32.93 kN m, σ_s= 216.06 MPa

σ_{lim}= 230.00 MPa F(σ_s)= 1.06 OK !

Reinforcement 6 (stem top transverse reinforcement) :

RC section dimensions ; b= 1.00 m, h= 0.25 m

diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters).

area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK !

Reinforcement 7 (footing bottom transverse reinforcement) :

diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters).

area : As= 4.73 cm2/m areaMin : 3.23 cm2/m F(As)= 1.47 OK !

Reinforcement 8 (footing bottom longitudinal reinforcement) :

diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).

diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).

area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK !

Reinforcement 9 (footing top longitudinal reinforcement) :

diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).

diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).

area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK !

Reinforcement 10 (footing skin reinforcement) :

–

Reinforcement 11 (stem outside longitudinal reinforcement) :

diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters).

area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK !

Reinforcement 12 (stem inside longitudinal reinforcement) :

diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters).

area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK !

../..

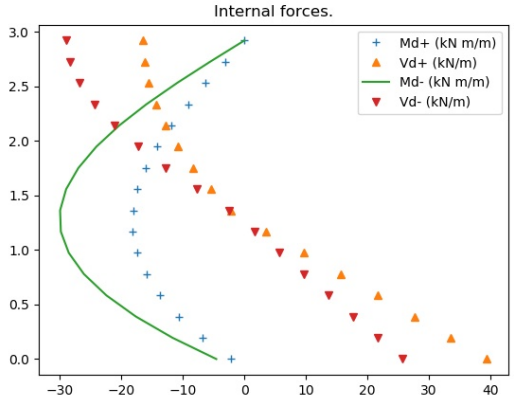
T2	
	WALL GEOMETRY Stem top thickness : $b_{top} = 0.25\ m$ Stem height : $h_{stem} = 2.74\ m$ Stem bottom thickness : $b_{bottom} = 0.25\ m$ Footing thickness : $b_{footing} = 0.36\ m$
MATERIALS Concrete : C4000 Steel : A615G60 Concrete cover : 55 mm	

TABLE 3 – Wall materials and dimensions T2

T1 (SUITE)
Reinforcement 13 (stem top skin reinforcement) : –

TABLE 2 – T1 wall reinforcement

WALL : T2 STABILITY CHECK			
Vérification :	F_{disp}	F_{req}	Combination
Overturning :	-33.62	1.00	EQ1613B
Sliding :	1.46	1.00	EQ1609A
Bearign capacity :	0.65	1.00	EQ1613B
Adm. pressure :	1.13	1.00	EQ1613B
$F_{avail.}$: available security. F_{req} : required security.			

WALL : T2 ROTATION CHECK		
β_{disp}(‰)	β_{req}(‰)	Combination
-1.46	2.00	ELS00
β_{disp} : wall maximum computed rotation. β_{req} : wall maximum admissible rotation.		

REINFORCEMENTS MUR T2
Reinforcement 1 (outside reinforcement dowels) : RC section dimensions ; b= 1.00 m, h= 0.25 m
../..

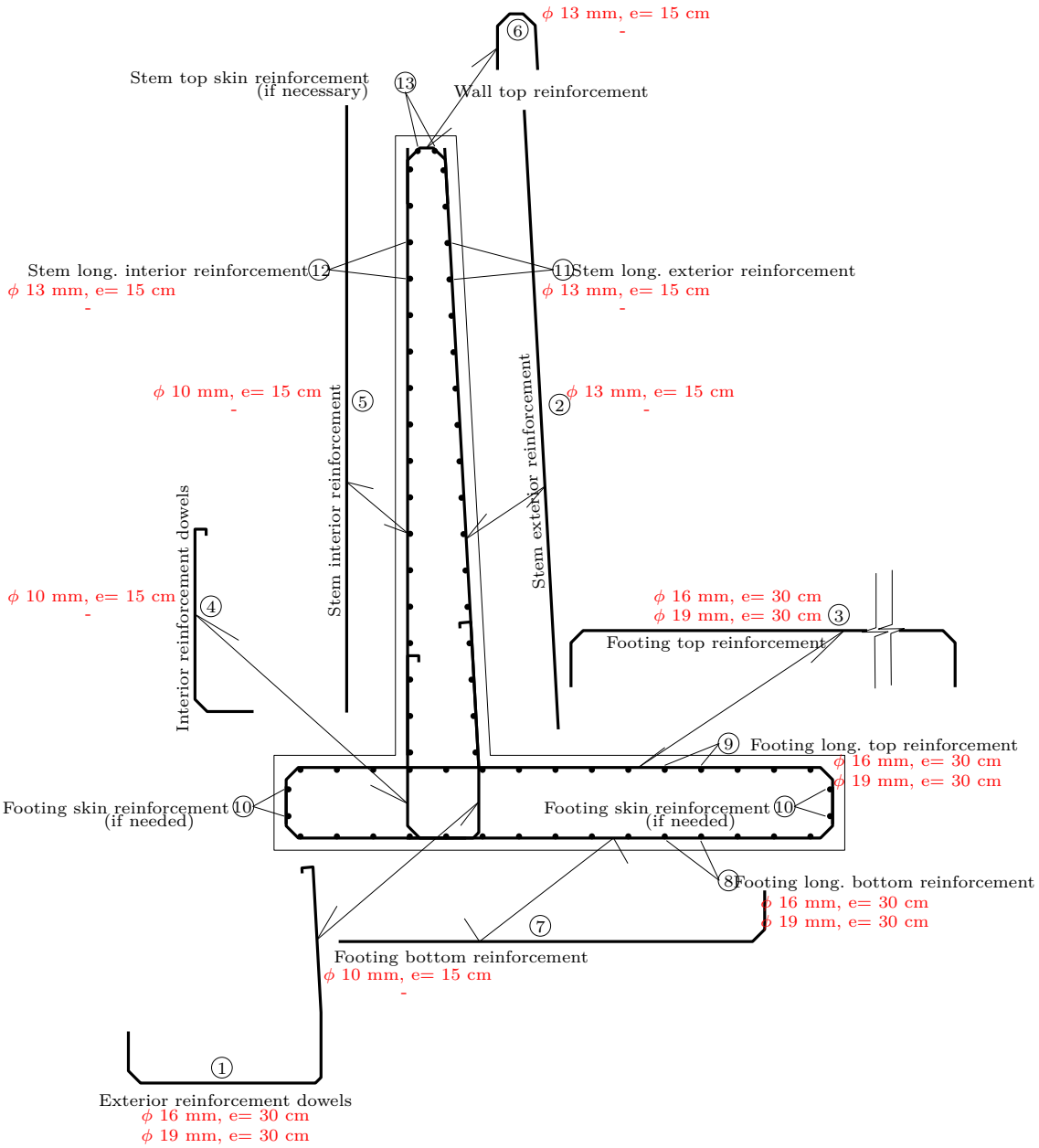


FIGURE 1 – Wall T1 reinforcement scheme

T2 (suite)

diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 16.13 cm2/m areaMin : 4.56 cm2/m F(As)= 3.54 OK !
Bending check : Md= 6.37 kN m, MR= 99.62kN m F(M)= 15.65 OK !
Shear check : Vd= 31.78 kN, VR= 199.37 kN F(V)= 6.27 OK !
Stress check : M= 6.37 kN m, σ_s= 17.27 MPa
σ_{lim}= 230.00 MPa F(σ_s)= 13.32 OK !

Reinforcement 3 (footing top reinforcement) :

RC section dimensions ; b= 1.00 m, h= 0.36 m
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK !
Bending check : Md= 1.82 kN m, MR= 152.86kN m F(M)= 83.92 OK !
Shear check : Vd= 4.40 kN, VR= 279.12 kN F(V)= 63.50 OK !
Stress check : M= 1.82 kN m, σ_s= 3.53 MPa
σ_{lim}= 230.00 MPa F(σ_s)= 65.20 OK !

Reinforcement 4 (inside reinforcement dowels) :

diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters).
area : As= 4.73 cm2/m areaMin : 1.72 cm2/m F(As)= 2.75 OK !

Reinforcement 5 (inside stem reinforcement) :

RC section dimensions ; b= 1.00 m, h= 0.25 m
diam : 16 mm, spacing : 400 mm reinf. development L=0.34 m (22 diameters).
area : As= 5.00 cm2/m areaMin : 4.56 cm2/m F(As)= 1.10 OK !
Bending check : Md= 29.02 kN m, MR= 31.02kN m F(M)= 1.07 OK !
Shear check : Vd= 6.84 kN, VR= 199.37 kN F(V)= 29.15 OK !
Stress check : M= 29.02 kN m, σ_s= 253.88 MPa
σ_{lim}= 230.00 MPa F(σ_s)= 0.91 Error !

Reinforcement 6 (stem top transverse reinforcement) :

RC section dimensions ; b= 1.00 m, h= 0.25 m
diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters).
area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK !

Reinforcement 7 (footing bottom transverse reinforcement) :

diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters).
area : As= 4.73 cm2/m areaMin : 3.23 cm2/m F(As)= 1.47 OK !

Reinforcement 8 (footing bottom longitudinal reinforcement) :

diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK !

Reinforcement 9 (footing top longitudinal reinforcement) :

diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK !

Reinforcement 10 (footing skin reinforcement) :

–

../..

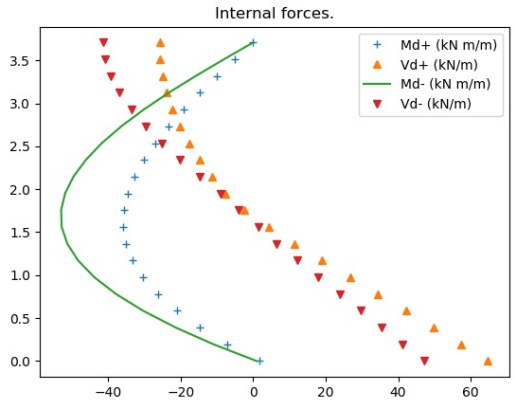
T3	
	WALL GEOMETRY Stem top thickness : $b_{top} = 0.25\ m$ Stem height : $h_{stem} = 3.53\ m$ Stem bottom thickness : $b_{bottom} = 0.25\ m$ Footing thickness : $b_{footing} = 0.36\ m$
MATERIALS Concrete : C4000 Steel : A615G60 Concrete cover : 55 mm	

TABLE 5 – Wall materials and dimensions T3

T2 (SUITE)
Reinforcement 11 (stem outside longitudinal reinforcement) : diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK ! **Reinforcement 12 (stem inside longitudinal reinforcement) :** diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK ! **Reinforcement 13 (stem top skin reinforcement) :** –

TABLE 4 – T2 wall reinforcement

WALL : T3 STABILITY CHECK			
Vérification :	F_{disp}	F_{req}	Combination
Overturning :	19.06	1.00	EQ1609A
Sliding :	1.13	1.00	EQ1609A
Bearign capacity :	0.50	1.00	EQ1609A
Adm. pressure :	1.12	1.00	EQ1613B
$F_{avail.}$: available security. F_{req} : required security.			

WALL : T3 ROTATION CHECK		
β_{disp}(‰)	β_{req}(‰)	Combination
-1.03	2.00	ELS00
β_{disp} : wall maximum computed rotation. β_{req} : wall maximum admissible rotation.		

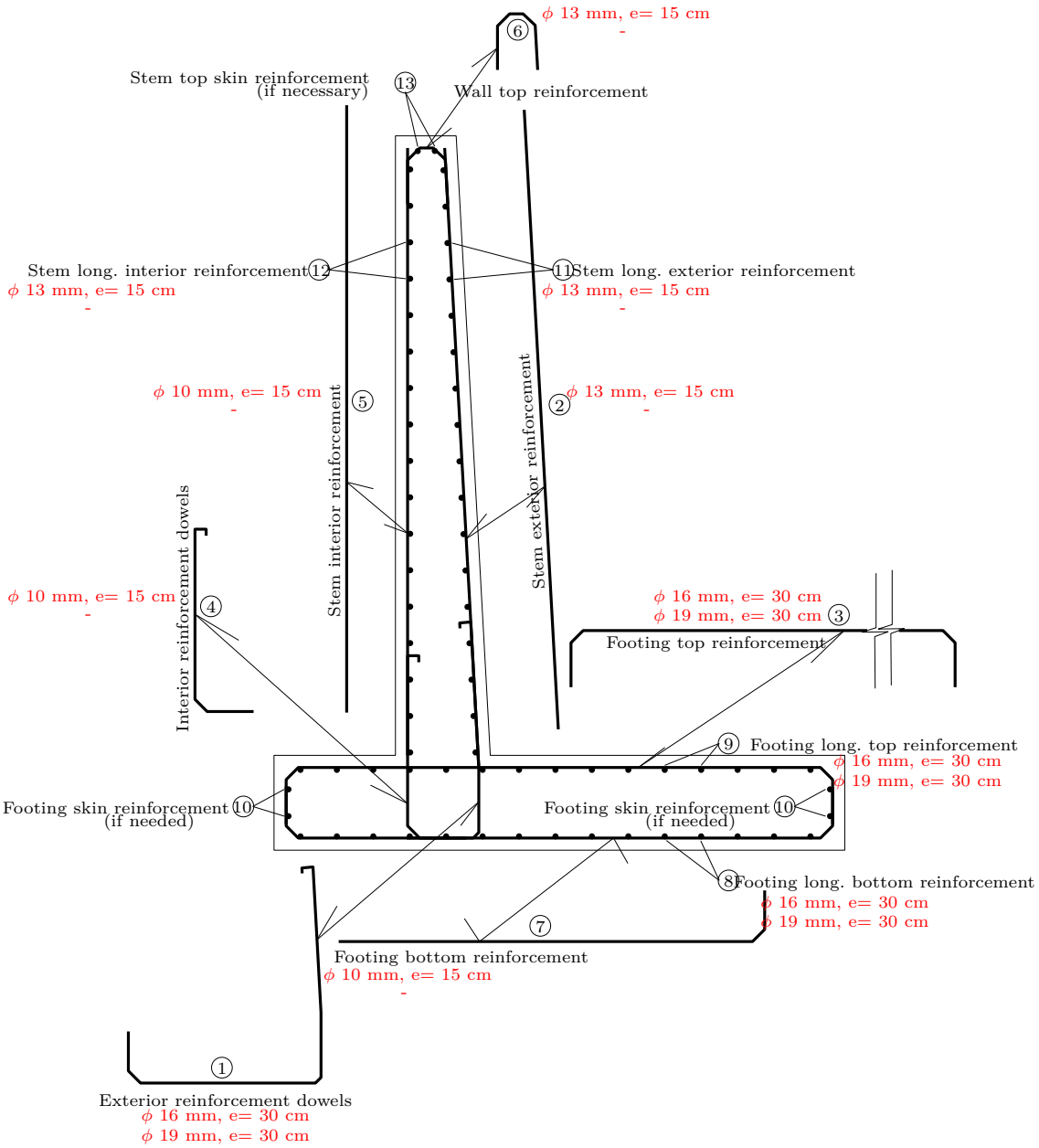


FIGURE 2 – Wall T2 reinforcement scheme

Reinforcements mur T3
Reinforcement 1 (outside reinforcement dowels) :
RC section dimensions ; b= 1.00 m, h= 0.25 m
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 16.13 cm2/m areaMin : 4.56 cm2/m F(As)= 3.54 OK !
Bending check : Md= 6.34 kN m, MR= 99.62kN m F(M)= 15.71 OK !
Shear check : Vd= 55.00 kN, VR= 199.37 kN F(V)= 3.63 OK !
Stress check : M= 6.34 kN m, σ_s= 17.19 MPa
σ_{lim}= 230.00 MPa F(σ_s)= 13.38 OK !
Reinforcement 3 (footing top reinforcement) :
RC section dimensions ; b= 1.00 m, h= 0.36 m
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK !
Bending check : Md= 1.82 kN m, MR= 152.86kN m F(M)= 84.02 OK !
Shear check : Vd= 3.58 kN, VR= 279.12 kN F(V)= 77.92 OK !
Stress check : M= 1.82 kN m, σ_s= 3.52 MPa
σ_{lim}= 230.00 MPa F(σ_s)= 65.27 OK !
Reinforcement 4 (inside reinforcement dowels) :
diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters).
area : As= 4.73 cm2/m areaMin : 1.72 cm2/m F(As)= 2.75 OK !
Reinforcement 5 (inside stem reinforcement) :
RC section dimensions ; b= 1.00 m, h= 0.25 m
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 9.47 cm2/m areaMin : 4.56 cm2/m F(As)= 2.08 OK !
Bending check : Md= 51.88 kN m, MR= 58.26kN m F(M)= 1.12 OK !
Shear check : Vd= 7.98 kN, VR= 199.37 kN F(V)= 24.98 OK !
Stress check : M= 51.88 kN m, σ_s= 239.75 MPa
σ_{lim}= 230.00 MPa F(σ_s)= 0.96 $\sim$ OK !
Reinforcement 6 (stem top transverse reinforcement) :
RC section dimensions ; b= 1.00 m, h= 0.25 m
diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters).
area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK !
Reinforcement 7 (footing bottom transverse reinforcement) :
diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters).
area : As= 4.73 cm2/m areaMin : 3.23 cm2/m F(As)= 1.47 OK !
Reinforcement 8 (footing bottom longitudinal reinforcement) :
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK !
Reinforcement 9 (footing top longitudinal reinforcement) :
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
../..

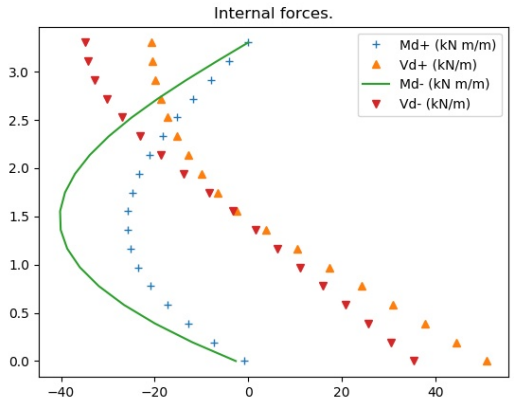
T4	
	WALL GEOMETRY Stem top thickness : $b_{top} = 0.25\ m$ Stem height : $h_{stem} = 3.12\ m$ Stem bottom thickness : $b_{bottom} = 0.25\ m$ Footing thickness : $b_{footing} = 0.36\ m$
MATERIALS Concrete : C4000 Steel : A615G60 Concrete cover : 55 mm	

TABLE 7 – Wall materials and dimensions T4

T3 (SUITE)
area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK ! **Reinforcement 10 (footing skin reinforcement) :** – **Reinforcement 11 (stem outside longitudinal reinforcement) :** diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK ! **Reinforcement 12 (stem inside longitudinal reinforcement) :** diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK ! **Reinforcement 13 (stem top skin reinforcement) :** –

TABLE 6 – T3 wall reinforcement

WALL : T4 STABILITY CHECK			
Vérification :	F_{disp}	F_{req}	Combination
Overturning :	-45.93	1.00	EQ1613B
Sliding :	1.45	1.00	EQ1609A
Bearign capacity :	0.64	1.00	EQ1613A
Adm. pressure :	1.08	1.00	EQ1613B
$F_{avail.}$: available security. F_{req} : required security.			

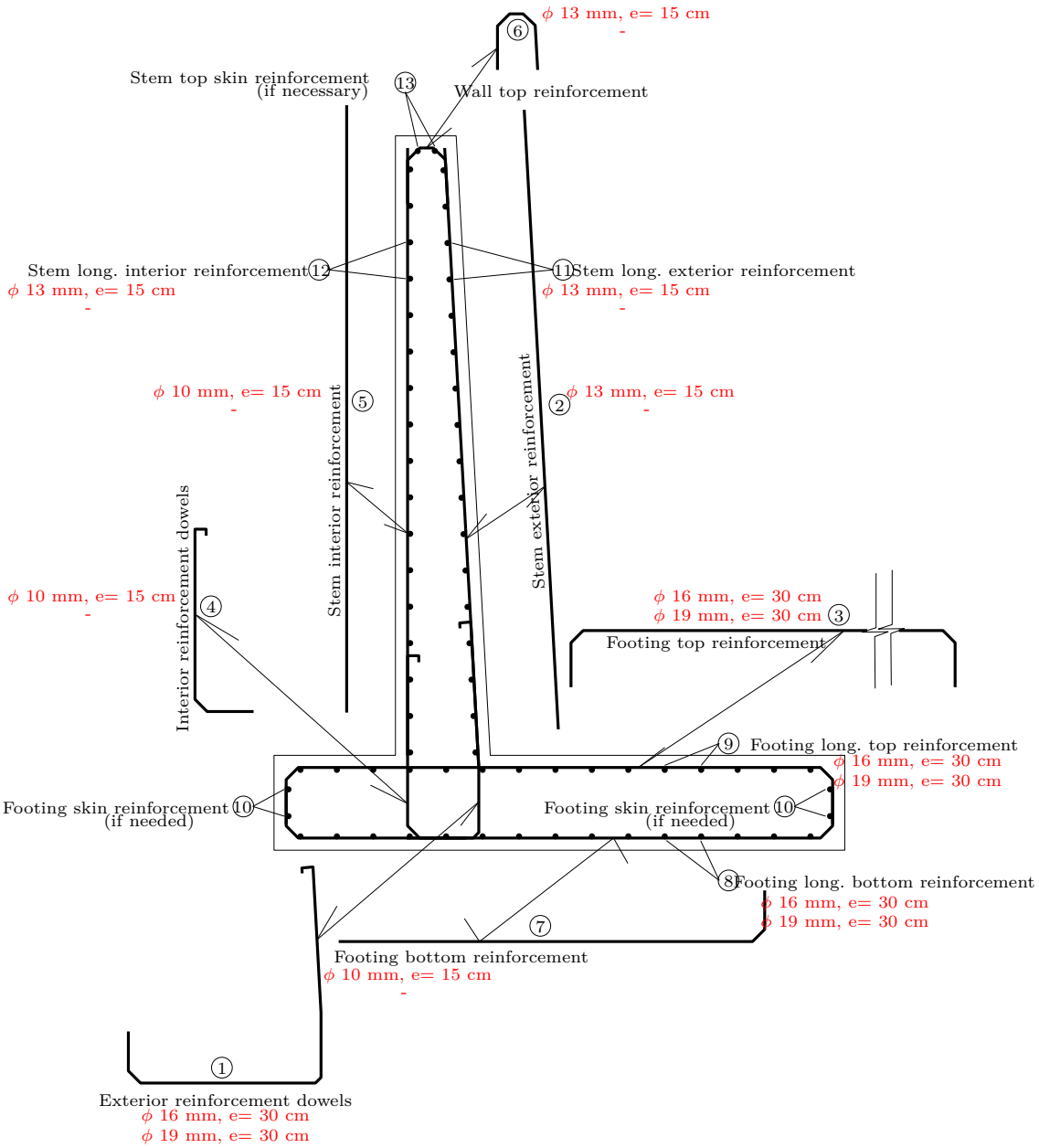


FIGURE 3 – Wall T3 reinforcement scheme

Wall : T4 rotation check		
β_{disp}(‰)	β_{req}(‰)	Combination
-1.16	2.00	ELS00
β_{disp} : wall maximum computed rotation. β_{req} : wall maximum admissible rotation.		

Reinforcements mur T4
Reinforcement 1 (outside reinforcement dowels) :
RC section dimensions ; b= 1.00 m, h= 0.25 m
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 16.13 cm2/m areaMin : 4.56 cm2/m F(As)= 3.54 OK !
Bending check : Md= 6.77 kN m, MR= 99.62kN m F(M)= 14.72 OK !
Shear check : Vd= 42.35 kN, VR= 199.37 kN F(V)= 4.71 OK !
Stress check : M= 6.77 kN m, σ_s= 18.35 MPa
σ_{lim}= 230.00 MPa F(σ_s)= 12.53 OK !
Reinforcement 3 (footing top reinforcement) :
RC section dimensions ; b= 1.00 m, h= 0.36 m
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK !
Bending check : Md= 2.33 kN m, MR= 152.86kN m F(M)= 65.55 OK !
Shear check : Vd= 3.79 kN, VR= 279.12 kN F(V)= 73.71 OK !
Stress check : M= 2.33 kN m, σ_s= 4.52 MPa
σ_{lim}= 230.00 MPa F(σ_s)= 50.92 OK !
Reinforcement 4 (inside reinforcement dowels) :
diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters).
area : As= 4.73 cm2/m areaMin : 1.72 cm2/m F(As)= 2.75 OK !
Reinforcement 5 (inside stem reinforcement) :
RC section dimensions ; b= 1.00 m, h= 0.25 m
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
area : As= 6.67 cm2/m areaMin : 4.56 cm2/m F(As)= 1.46 OK !
Bending check : Md= 39.19 kN m, MR= 41.36kN m F(M)= 1.06 OK !
Shear check : Vd= 7.46 kN, VR= 199.37 kN F(V)= 26.73 OK !
Stress check : M= 39.19 kN m, σ_s= 257.14 MPa
σ_{lim}= 230.00 MPa F(σ_s)= 0.89 Error !
Reinforcement 6 (stem top transverse reinforcement) :
RC section dimensions ; b= 1.00 m, h= 0.25 m
diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters).
area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK !
Reinforcement 7 (footing bottom transverse reinforcement) :
diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters).
area : As= 4.73 cm2/m areaMin : 3.23 cm2/m F(As)= 1.47 OK !
Reinforcement 8 (footing bottom longitudinal reinforcement) :
../..

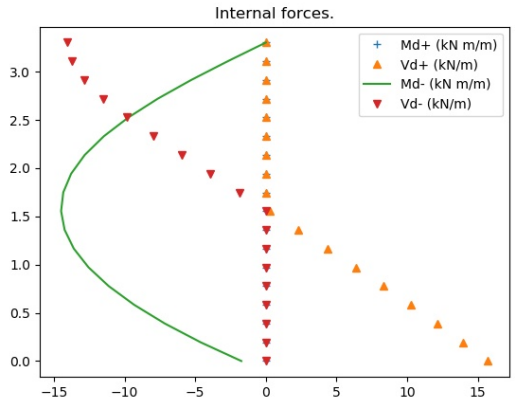
T4ph2	
	Wall geometry Stem top thickness : $b_{top} = 0.25\ m$ Stem height : $h_{stem} = 3.12\ m$ Stem bottom thickness : $b_{bottom} = 0.25\ m$ Footing thickness : $b_{footing} = 0.36\ m$
Materials Concrete : C4000 Steel : A615G60 Concrete cover : 55 mm	

Table 9 – Wall materials and dimensions T4ph2

T4 (suite)
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK ! **Reinforcement 9 (footing top longitudinal reinforcement) :** diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK ! **Reinforcement 10 (footing skin reinforcement) :** – **Reinforcement 11 (stem outside longitudinal reinforcement) :** diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK ! **Reinforcement 12 (stem inside longitudinal reinforcement) :** diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK ! **Reinforcement 13 (stem top skin reinforcement) :** –

Table 8 – T4 wall reinforcement

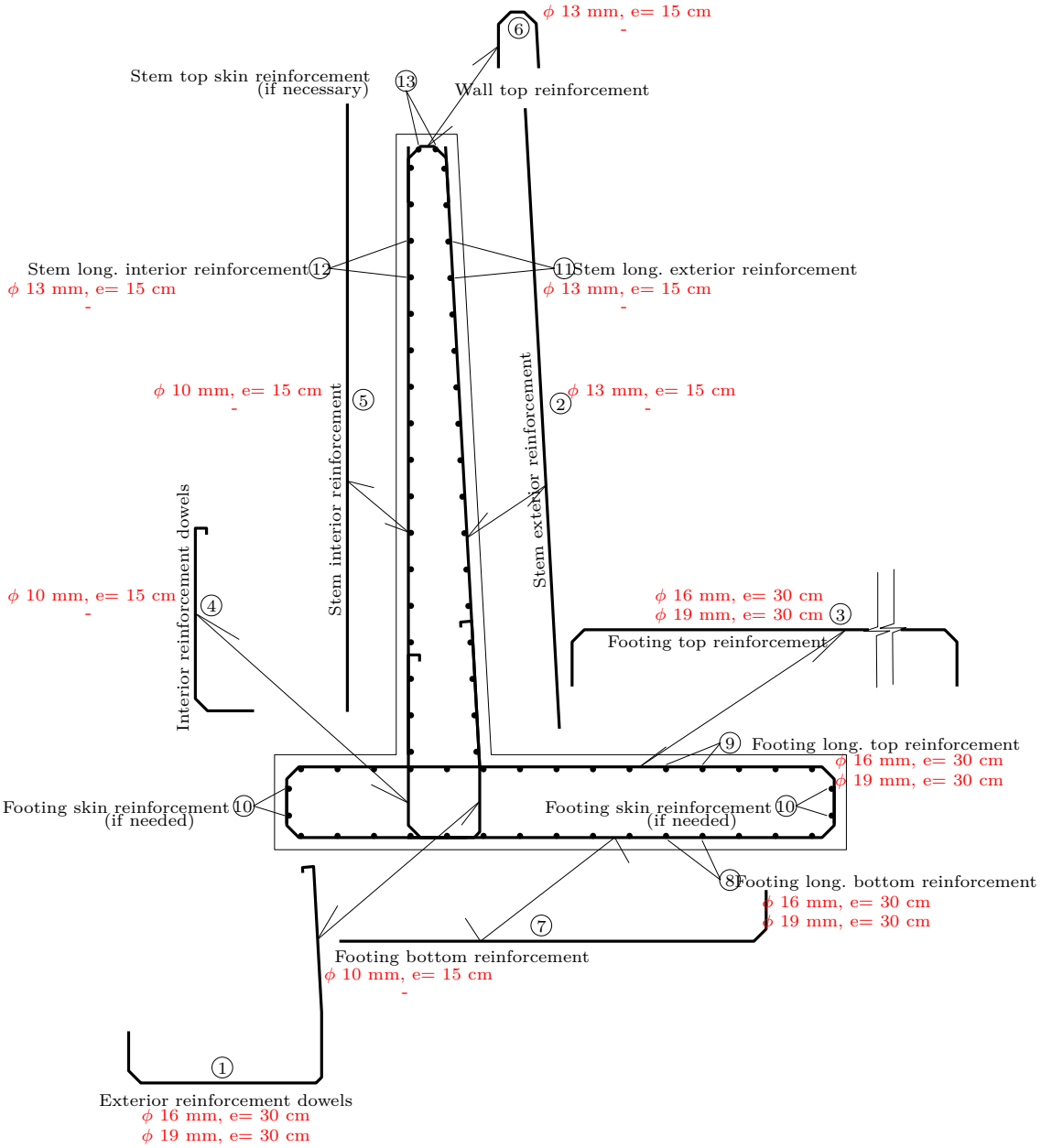


FIGURE 4 – Wall T4 reinforcement scheme

WALL : T4PH2 STABILITY CHECK			
Vérification :	F_{disp}	F_{req}	Combination
Overturning :	181.44	1.00	EQ1609A
Sliding :	3.65	1.00	EQ1609A
Bearign capacity :	1.17	1.00	EQ1613B
Adm. pressure :	1.53	1.00	EQ1613B
$F_{avail.}$: available security. F_{req} : required security.			

WALL : T4PH2 ROTATION CHECK		
β_{disp}(‰)	β_{req}(‰)	Combination
-0.13	2.00	ELS00
β_{disp} : wall maximum computed rotation. β_{req} : wall maximum admissible rotation.		

REINFORCEMENTS MUR T4PH2

Reinforcement 1 (outside reinforcement dowels) :
RC section dimensions ; b= 1.00 m, h= 0.25 m
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 16.13 cm2/m areaMin : 4.56 cm2/m F(As)= 3.54 OK !
Bending check : Md= 0.00 kN m, MR= 99.62kN m F(M)= 370105512389011.12 OK !
Shear check : Vd= 13.38 kN, VR= 199.37 kN F(V)= 14.90 OK !
Stress check : M= 0.00 kN m, σ_s= 0.00 MPa
σ_{lim}= 230.00 MPa F(σ_s)= 315137461021360.50 OK !
Reinforcement 3 (footing top reinforcement) :
RC section dimensions ; b= 1.00 m, h= 0.36 m
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK !
Bending check : Md= 2.06 kN m, MR= 152.86kN m F(M)= 74.20 OK !
Shear check : Vd= 9.56 kN, VR= 279.12 kN F(V)= 29.20 OK !
Stress check : M= 2.06 kN m, σ_s= 3.99 MPa
σ_{lim}= 230.00 MPa F(σ_s)= 57.65 OK !
Reinforcement 4 (inside reinforcement dowels) :
diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters).
area : As= 4.73 cm2/m areaMin : 1.72 cm2/m F(As)= 2.75 OK !
Reinforcement 5 (inside stem reinforcement) :
RC section dimensions ; b= 1.00 m, h= 0.25 m
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
area : As= 6.67 cm2/m areaMin : 4.56 cm2/m F(As)= 1.46 OK !
Bending check : Md= 14.34 kN m, MR= 41.36kN m F(M)= 2.88 OK !
Shear check : Vd= 1.51 kN, VR= 199.37 kN F(V)= 131.66 OK !
Stress check : M= 14.34 kN m, σ_s= 94.08 MPa
σ_{lim}= 230.00 MPa F(σ_s)= 2.44 OK !

../..

T4ph2 (suite)
Reinforcement 6 (stem top transverse reinforcement) :
RC section dimensions ; b= 1.00 m, h= 0.25 m
diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters).
area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK !
Reinforcement 7 (footing bottom transverse reinforcement) :
diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters).
area : As= 4.73 cm2/m areaMin : 3.23 cm2/m F(As)= 1.47 OK !
Reinforcement 8 (footing bottom longitudinal reinforcement) :
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK !
Reinforcement 9 (footing top longitudinal reinforcement) :
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK !
Reinforcement 10 (footing skin reinforcement) :
–
Reinforcement 11 (stem outside longitudinal reinforcement) :
diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters).
area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK !
Reinforcement 12 (stem inside longitudinal reinforcement) :
diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters).
area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK !
Reinforcement 13 (stem top skin reinforcement) :
–

Table 10 – T4ph2 wall reinforcement

wall : T5 stability check			
Vérification :	F_{disp}	F_{req}	Combination
Overturning :	-22.35	1.00	EQ1613B
Sliding :	1.69	1.00	EQ1609A
Bearign capacity :	0.73	1.00	EQ1613B
Adm. pressure :	1.22	1.00	EQ1613B
$F_{avail.}$: available security. F_{req} : required security.			

Wall : T5 rotation check		
β_{disp}(‰)	β_{req}(‰)	Combination
-1.41	2.00	ELS00
β_{disp} : wall maximum computed rotation. β_{req} : wall maximum admissible rotation.		

Reinforcements mur T5
Reinforcement 1 (outside reinforcement dowels) :
../..

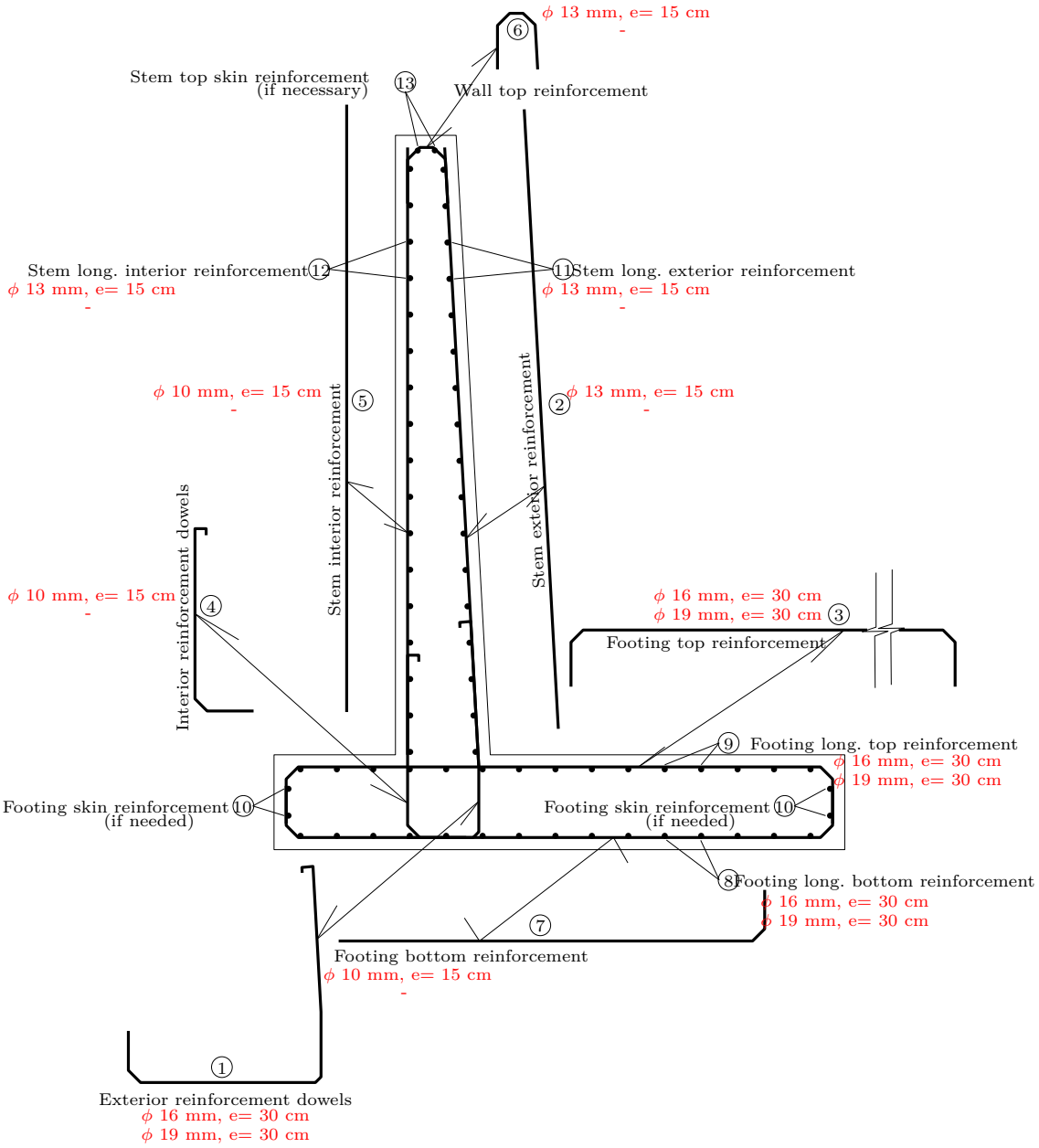


FIGURE 5 – Wall T4ph2 reinforcement scheme

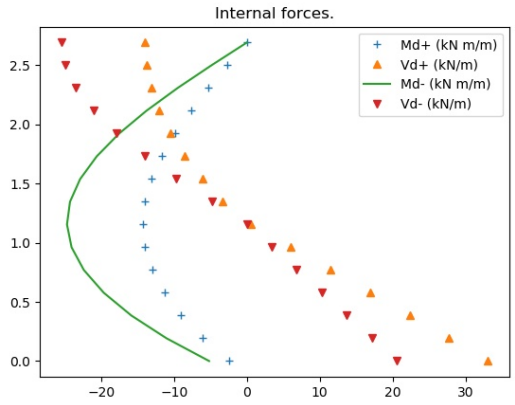
T5	
	WALL GEOMETRY Stem top thickness : $b_{top} = 0.25\ m$ Stem height : $h_{stem} = 2.51\ m$ Stem bottom thickness : $b_{bottom} = 0.25\ m$ Footing thickness : $b_{footing} = 0.36\ m$
MATERIALS Concrete : C4000 Steel : A615G60 Concrete cover : 55 mm	

TABLE 11 – Wall materials and dimensions T5

T5 (SUITE)
RC section dimensions ; b= 1.00 m, h= 0.25 m diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 4.56 cm2/m F(As)= 3.54 OK ! Bending check : Md= 5.77 kN m, MR= 99.62kN m F(M)= 17.27 OK ! Shear check : Vd= 26.03 kN, VR= 199.37 kN F(V)= 7.66 OK ! Stress check : M= 5.77 kN m, σ_s= 15.64 MPa σ_{lim}= 230.00 MPa F(σ_s)= 14.70 OK ! **Reinforcement 3 (footing top reinforcement) :** RC section dimensions ; b= 1.00 m, h= 0.36 m diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK ! Bending check : Md= 1.67 kN m, MR= 152.86kN m F(M)= 91.40 OK ! Shear check : Vd= 3.97 kN, VR= 279.12 kN F(V)= 70.27 OK ! Stress check : M= 1.67 kN m, σ_s= 3.24 MPa σ_{lim}= 230.00 MPa F(σ_s)= 71.01 OK ! **Reinforcement 4 (inside reinforcement dowels) :** diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters). area : As= 4.73 cm2/m areaMin : 1.72 cm2/m F(As)= 2.75 OK ! **Reinforcement 5 (inside stem reinforcement) :** RC section dimensions ; b= 1.00 m, h= 0.25 m
../..

T5 (suite)
diam : 16 mm, spacing : 400 mm reinf. development L=0.34 m (22 diameters). area : As= 5.00 cm2/m areaMin : 4.56 cm2/m F(As)= 1.10 OK ! Bending check : Md= 23.62 kN m, MR= 31.02kN m F(M)= 1.31 OK ! Shear check : Vd= 6.42 kN, VR= 199.37 kN F(V)= 31.05 OK ! Stress check : M= 23.62 kN m, σ_s= 206.69 MPa σ_{lim}= 230.00 MPa F(σ_s)= 1.11 OK ! **Reinforcement 6 (stem top transverse reinforcement) :** RC section dimensions ; b= 1.00 m, h= 0.25 m diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK ! **Reinforcement 7 (footing bottom transverse reinforcement) :** diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters). area : As= 4.73 cm2/m areaMin : 3.23 cm2/m F(As)= 1.47 OK ! **Reinforcement 8 (footing bottom longitudinal reinforcement) :** diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK ! **Reinforcement 9 (footing top longitudinal reinforcement) :** diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK ! **Reinforcement 10 (footing skin reinforcement) :** – **Reinforcement 11 (stem outside longitudinal reinforcement) :** diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK ! **Reinforcement 12 (stem inside longitudinal reinforcement) :** diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK ! **Reinforcement 13 (stem top skin reinforcement) :** –

Table 12 – T5 wall reinforcement

wall : T6 stability check			
Vérification :	F_{disp}	F_{req}	Combination
Overturning :	13.59	1.00	EQ1609A
Sliding :	1.10	1.00	EQ1609A
Bearign capacity :	0.43	1.00	EQ1609A
Adm. pressure :	1.03	1.00	EQ1613B
$F_{avail.}$: available security. F_{req} : required security.			

Wall : T6 rotation check		
β_{disp}(‰)	β_{req}(‰)	Combination
-1.37	2.00	ELS00
β_{disp} : wall maximum computed rotation. β_{req} : wall maximum admissible rotation.		

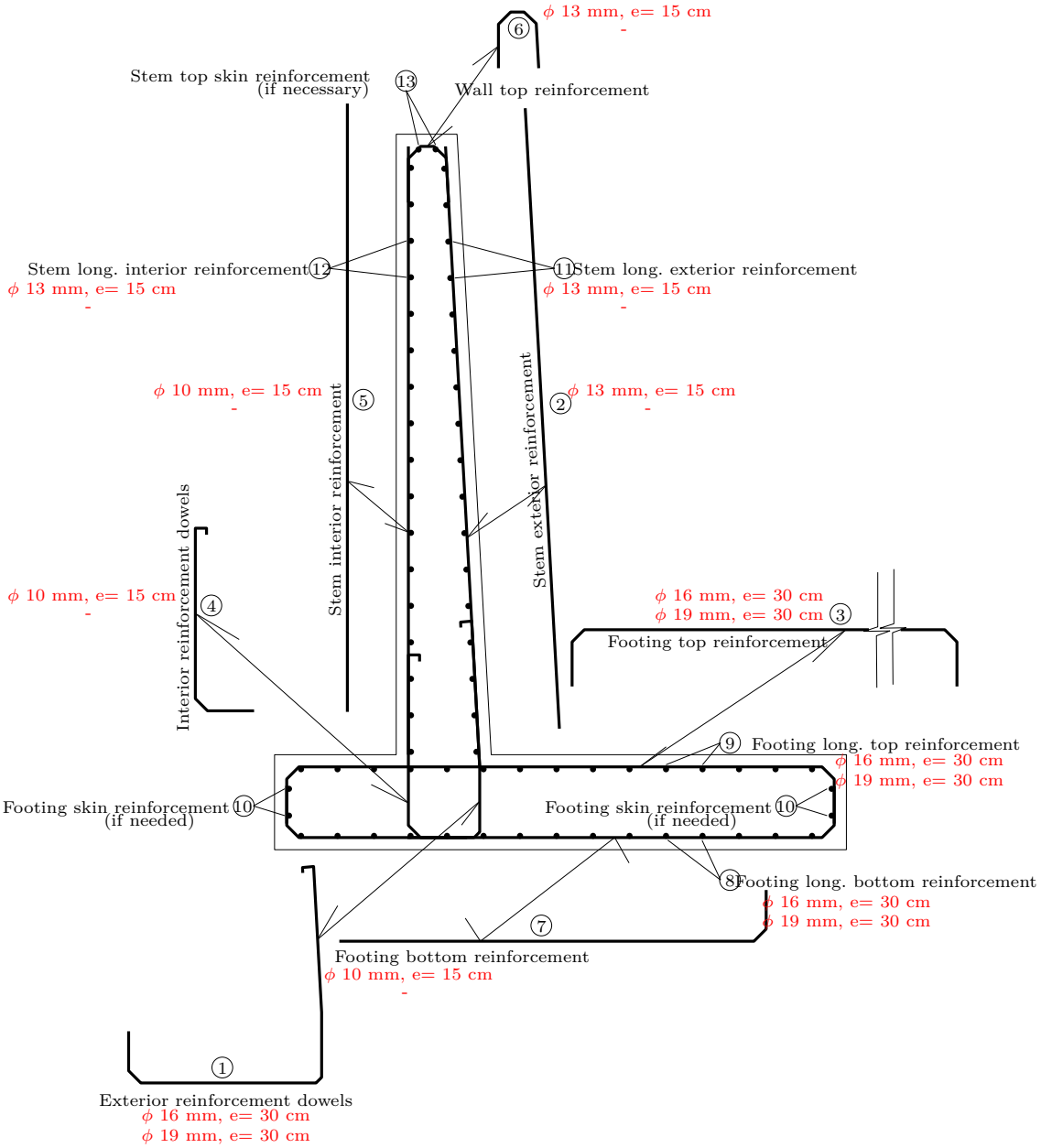


FIGURE 6 – Wall T5 reinforcement scheme

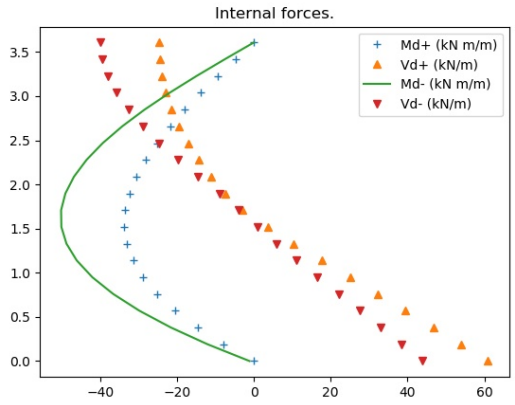
T6	
	WALL GEOMETRY Stem top thickness : $b_{top} = 0.25\ m$ Stem height : $h_{stem} = 3.43\ m$ Stem bottom thickness : $b_{bottom} = 0.25\ m$ Footing thickness : $b_{footing} = 0.36\ m$
MATERIALS Concrete : C4000 Steel : A615G60 Concrete cover : 55 mm	

TABLE 13 – Wall materials and dimensions T6

REINFORCEMENTS MUR T6
Reinforcement 1 (outside reinforcement dowels) : RC section dimensions ; b= 1.00 m, h= 0.25 m diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 4.56 cm2/m F(As)= 3.54 OK ! Bending check : Md= 7.38 kN m, MR= 99.62kN m F(M)= 13.49 OK ! Shear check : Vd= 51.43 kN, VR= 199.37 kN F(V)= 3.88 OK ! Stress check : M= 7.38 kN m, σ_s= 20.02 MPa σ_{lim}= 230.00 MPa F(σ_s)= 11.49 OK ! **Reinforcement 3 (footing top reinforcement) :** RC section dimensions ; b= 1.00 m, h= 0.36 m diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK ! Bending check : Md= 1.65 kN m, MR= 152.86kN m F(M)= 92.67 OK ! Shear check : Vd= 2.01 kN, VR= 279.12 kN F(V)= 138.73 OK ! Stress check : M= 1.65 kN m, σ_s= 3.19 MPa σ_{lim}= 230.00 MPa F(σ_s)= 71.99 OK ! **Reinforcement 4 (inside reinforcement dowels) :** diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters). area : As= 4.73 cm2/m areaMin : 1.72 cm2/m F(As)= 2.75 OK !
../..

T6 (suite)
Reinforcement 5 (inside stem reinforcement) : RC section dimensions ; b= 1.00 m, h= 0.25 m diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 9.47 cm2/m areaMin : 4.56 cm2/m F(As)= 2.08 OK ! Bending check : Md= 49.02 kN m, MR= 58.26kN m F(M)= 1.19 OK ! Shear check : Vd= 8.13 kN, VR= 199.37 kN F(V)= 24.54 OK ! Stress check : M= 49.02 kN m, σ_s= 226.52 MPa σ_{lim}= 230.00 MPa F(σ_s)= 1.02 OK ! **Reinforcement 6 (stem top transverse reinforcement) :** RC section dimensions ; b= 1.00 m, h= 0.25 m diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK ! **Reinforcement 7 (footing bottom transverse reinforcement) :** diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters). area : As= 4.73 cm2/m areaMin : 3.23 cm2/m F(As)= 1.47 OK ! **Reinforcement 8 (footing bottom longitudinal reinforcement) :** diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK ! **Reinforcement 9 (footing top longitudinal reinforcement) :** diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK ! **Reinforcement 10 (footing skin reinforcement) :** – **Reinforcement 11 (stem outside longitudinal reinforcement) :** diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK ! **Reinforcement 12 (stem inside longitudinal reinforcement) :** diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 4.56 cm2/m F(As)= 1.89 OK ! **Reinforcement 13 (stem top skin reinforcement) :** –

Table 14 – T6 wall reinforcement

wall : RW1 stability check			
Vérification :	F_{disp}	F_{req}	Combination
Overturning :	89663485090069.61	1.00	EQ1609B
Sliding :	190861662231325.06	1.00	EQ1609B
Bearign capacity :	2.12	1.00	EQ1609B
Adm. pressure :	3.07	1.00	EQ1609B
$F_{avail.}$: available security. F_{req} : required security.			

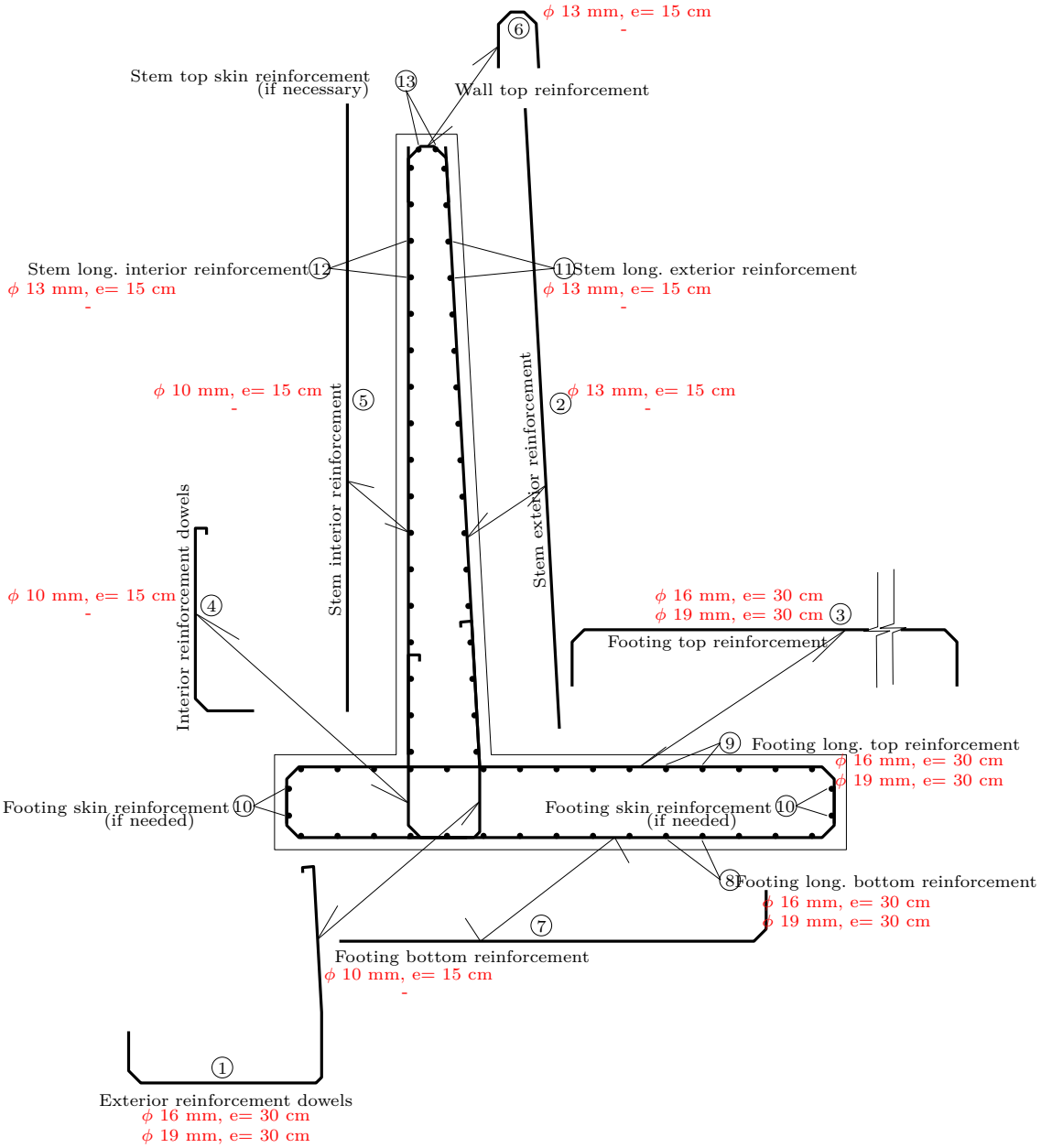


FIGURE 7 – Wall T6 reinforcement scheme

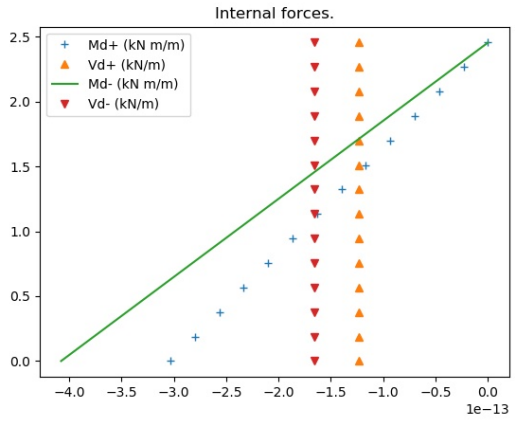
RW1	
	Wall geometry Stem top thickness : $b_{top} = 0.15\ m$ Stem height : $h_{stem} = 2.28\ m$ Stem bottom thickness : $b_{bottom} = 0.15\ m$ Footing thickness : $b_{footing} = 0.36\ m$
Materials Concrete : C4000 Steel : A615G60 Concrete cover : 55 mm	

Table 15 – Wall materials and dimensions RW1

Wall : RW1 rotation check		
β_{disp}(‰)	β_{req}(‰)	Combination
0.00	2.00	ELS00
β_{disp} : wall maximum computed rotation. β_{req} : wall maximum admissible rotation.		

Reinforcements mur RW1
Reinforcement 1 (outside reinforcement dowels) : RC section dimensions ; b= 1.00 m, h= 0.15 m diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 2.73 cm2/m F(As)= 5.90 OK ! Bending check : Md= 0.00 kN m, MR= 46.39kN m F(M)= 164948030564126.31 OK ! Shear check : Vd= 0.00 kN, VR= 119.62 kN F(V)= 968928454062834.50 OK ! Stress check : M= 0.00 kN m, σ_s= 0.00 MPa σ_{lim}= 230.00 MPa F(σ_s)= 180987640979824.62 OK ! **Reinforcement 3 (footing top reinforcement) :** RC section dimensions ; b= 1.00 m, h= 0.36 m diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK ! Bending check : Md= 0.57 kN m, MR= 152.86kN m F(M)= 266.26 OK ! Shear check : Vd= 2.97 kN, VR= 279.12 kN F(V)= 93.99 OK !
../..

RW1 (suite)
Stress check : M= 0.57 kN m, σ_s= 1.11 MPa σ_{lim}= 230.00 MPa F(σ_s)= 206.86 OK ! **Reinforcement 4 (inside reinforcement dowels) :** diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters). area : As= 4.73 cm2/m areaMin : 1.72 cm2/m F(As)= 2.75 OK ! **Reinforcement 5 (inside stem reinforcement) :** RC section dimensions ; b= 1.00 m, h= 0.15 m diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). area : As= 6.67 cm2/m areaMin : 2.73 cm2/m F(As)= 2.44 OK ! Bending check : Md= 0.00 kN m, MR= 19.36kN m F(M)= 102434873501657.86 OK ! Shear check : Vd= 0.00 kN, VR= 119.62 kN F(V)= 720772603344139.25 OK ! Stress check : M= 0.00 kN m, σ_s= 0.00 MPa σ_{lim}= 230.00 MPa F(σ_s)= 111267955969004.72 OK ! **Reinforcement 6 (stem top transverse reinforcement) :** RC section dimensions ; b= 1.00 m, h= 0.15 m diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 2.73 cm2/m F(As)= 3.14 OK ! **Reinforcement 7 (footing bottom transverse reinforcement) :** diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters). area : As= 4.73 cm2/m areaMin : 3.23 cm2/m F(As)= 1.47 OK ! **Reinforcement 8 (footing bottom longitudinal reinforcement) :** diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK ! **Reinforcement 9 (footing top longitudinal reinforcement) :** diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK ! **Reinforcement 10 (footing skin reinforcement) :** – **Reinforcement 11 (stem outside longitudinal reinforcement) :** diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 2.73 cm2/m F(As)= 3.14 OK ! **Reinforcement 12 (stem inside longitudinal reinforcement) :** diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 2.73 cm2/m F(As)= 3.14 OK ! **Reinforcement 13 (stem top skin reinforcement) :** –

Table 16 – RW1 wall reinforcement

wall : W5 stability check			
Vérification :	F_{disp}	F_{req}	Combination
Overturning :	-14.65	1.00	EQ1608
Sliding :	1.40	1.00	EQ1609A
Bearign capacity :	1.08	1.00	EQ1609A
Adm. pressure :	2.52	1.00	EQ1609A
$F_{avail.}$: available security. F_{req} : required security.			

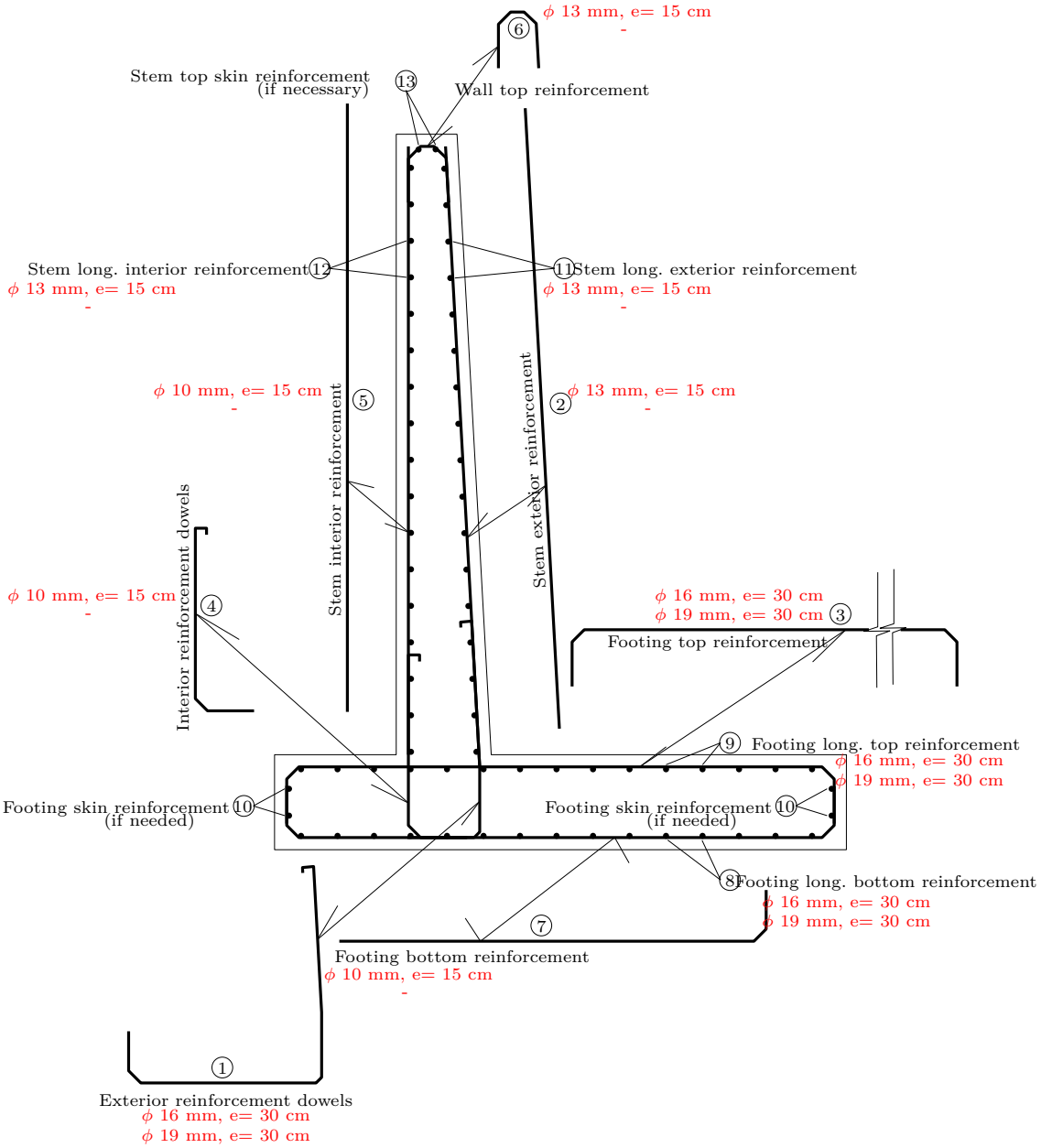


FIGURE 8 – Wall RW1 reinforcement scheme

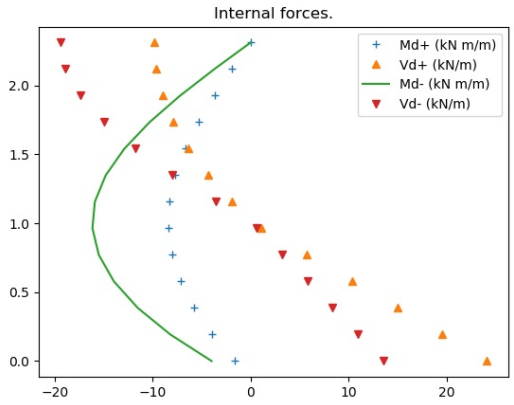
W5	
	WALL GEOMETRY Stem top thickness : $b_{top} = 0.20\ m$ Stem height : $h_{stem} = 2.13\ m$ Stem bottom thickness : $b_{bottom} = 0.20\ m$ Footing thickness : $b_{footing} = 0.36\ m$
MATERIALS Concrete : C4000 Steel : A615G60 Concrete cover : 55 mm	

TABLE 17 – Wall materials and dimensions W5

WALL : W5 ROTATION CHECK		
β_{disp}(‰)	β_{req}(‰)	Combination
-1.16	2.00	ELS00
β_{disp} : wall maximum computed rotation. β_{req} : wall maximum admissible rotation.		

REINFORCEMENTS MUR W5

Reinforcement 1 (outside reinforcement dowels) :
RC section dimensions ; b= 1.00 m, h= 0.20 m
diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters).
area : As= 8.60 cm2/m areaMin : 3.65 cm2/m F(As)= 2.36 OK !
Bending check : Md= 3.77 kN m, MR= 39.60kN m F(M)= 10.50 OK !
Shear check : Vd= 19.29 kN, VR= 159.49 kN F(V)= 8.27 OK !
Stress check : M= 3.77 kN m, σ_s= 23.99 MPa
σ_{lim}= 230.00 MPa F(σ_s)= 9.59 OK !
Reinforcement 3 (footing top reinforcement) :
RC section dimensions ; b= 1.00 m, h= 0.36 m
diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters).
diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters).
area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK !
Bending check : Md= 0.69 kN m, MR= 152.86kN m F(M)= 220.34 OK !
Shear check : Vd= 2.20 kN, VR= 279.12 kN F(V)= 126.97 OK !
Stress check : M= 0.69 kN m, σ_s= 1.34 MPa

../..

W5 (suite)
σ_{lim}= 230.00 MPa F(σ_s)= 171.18 OK ! **Reinforcement 4 (inside reinforcement dowels) :** diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters). area : As= 4.73 cm2/m areaMin : 0.95 cm2/m F(As)= 5.00 OK ! **Reinforcement 5 (inside stem reinforcement) :** RC section dimensions ; b= 1.00 m, h= 0.20 m diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). area : As= 6.67 cm2/m areaMin : 3.65 cm2/m F(As)= 1.83 OK ! Bending check : Md= 15.37 kN m, MR= 30.36kN m F(M)= 1.98 OK ! Shear check : Vd= 4.73 kN, VR= 159.49 kN F(V)= 33.71 OK ! Stress check : M= 15.37 kN m, σ_s= 126.07 MPa σ_{lim}= 230.00 MPa F(σ_s)= 1.82 OK ! **Reinforcement 6 (stem top transverse reinforcement) :** RC section dimensions ; b= 1.00 m, h= 0.20 m diam : 13 mm, spacing : 150 mm reinf. development L=0.30 m (24 diameters). area : As= 8.60 cm2/m areaMin : 3.65 cm2/m F(As)= 2.36 OK ! **Reinforcement 7 (footing bottom transverse reinforcement) :** diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters). area : As= 4.73 cm2/m areaMin : 3.23 cm2/m F(As)= 1.47 OK ! **Reinforcement 8 (footing bottom longitudinal reinforcement) :** diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK ! **Reinforcement 9 (footing top longitudinal reinforcement) :** diam : 16 mm, spacing : 300 mm reinf. development L=0.34 m (22 diameters). diam : 19 mm, spacing : 300 mm reinf. development L=0.61 m (32 diameters). area : As= 16.13 cm2/m areaMin : 6.38 cm2/m F(As)= 2.53 OK ! **Reinforcement 10 (footing skin reinforcement) :** – **Reinforcement 11 (stem outside longitudinal reinforcement) :** diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters). area : As= 4.73 cm2/m areaMin : 3.65 cm2/m F(As)= 1.30 OK ! **Reinforcement 12 (stem inside longitudinal reinforcement) :** diam : 10 mm, spacing : 150 mm reinf. development L=0.30 m (32 diameters). area : As= 4.73 cm2/m areaMin : 3.65 cm2/m F(As)= 1.30 OK ! **Reinforcement 13 (stem top skin reinforcement) :** –

Table 18 – W5 wall reinforcement

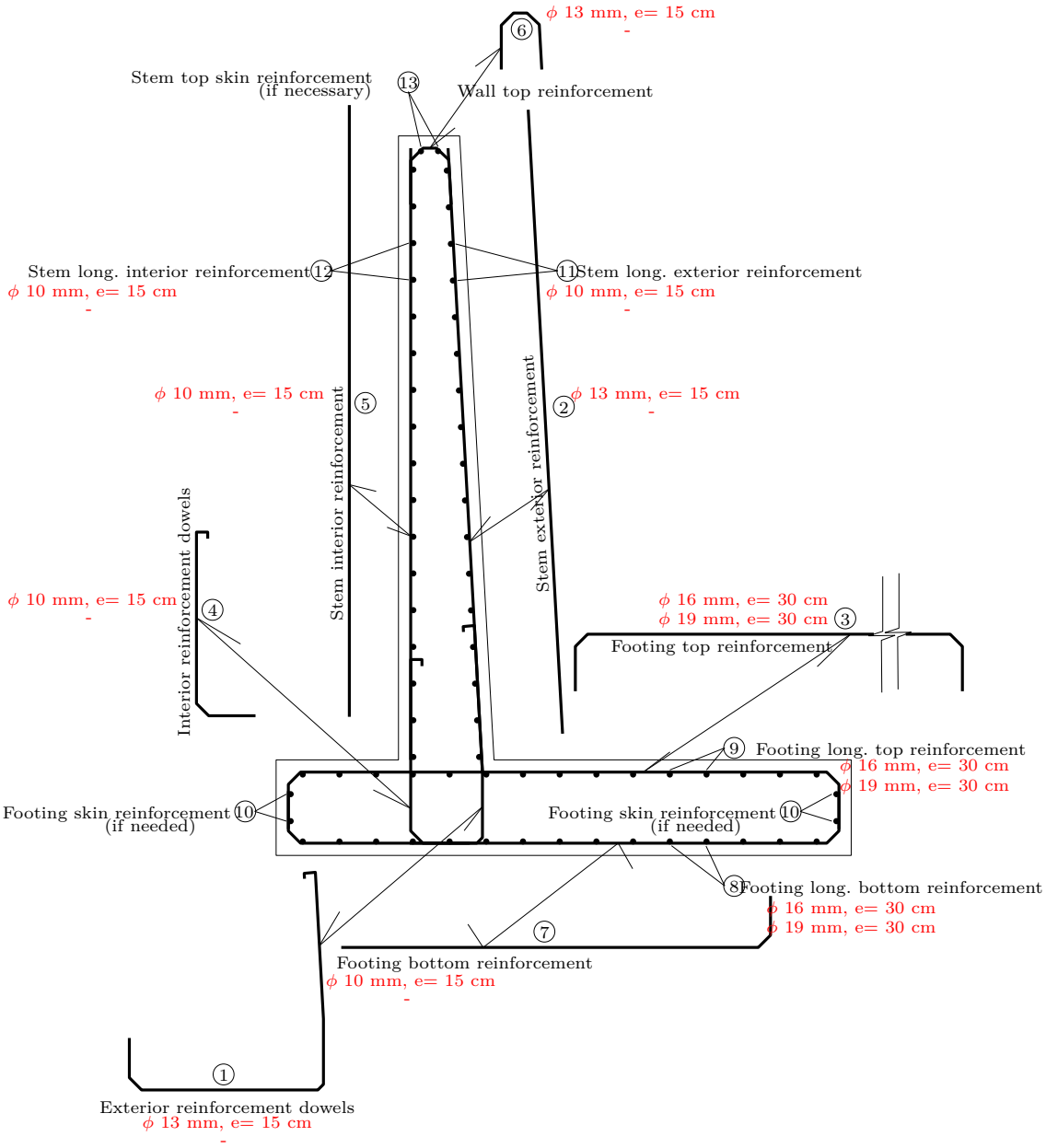


FIGURE 9 – Wall W5 reinforcement scheme