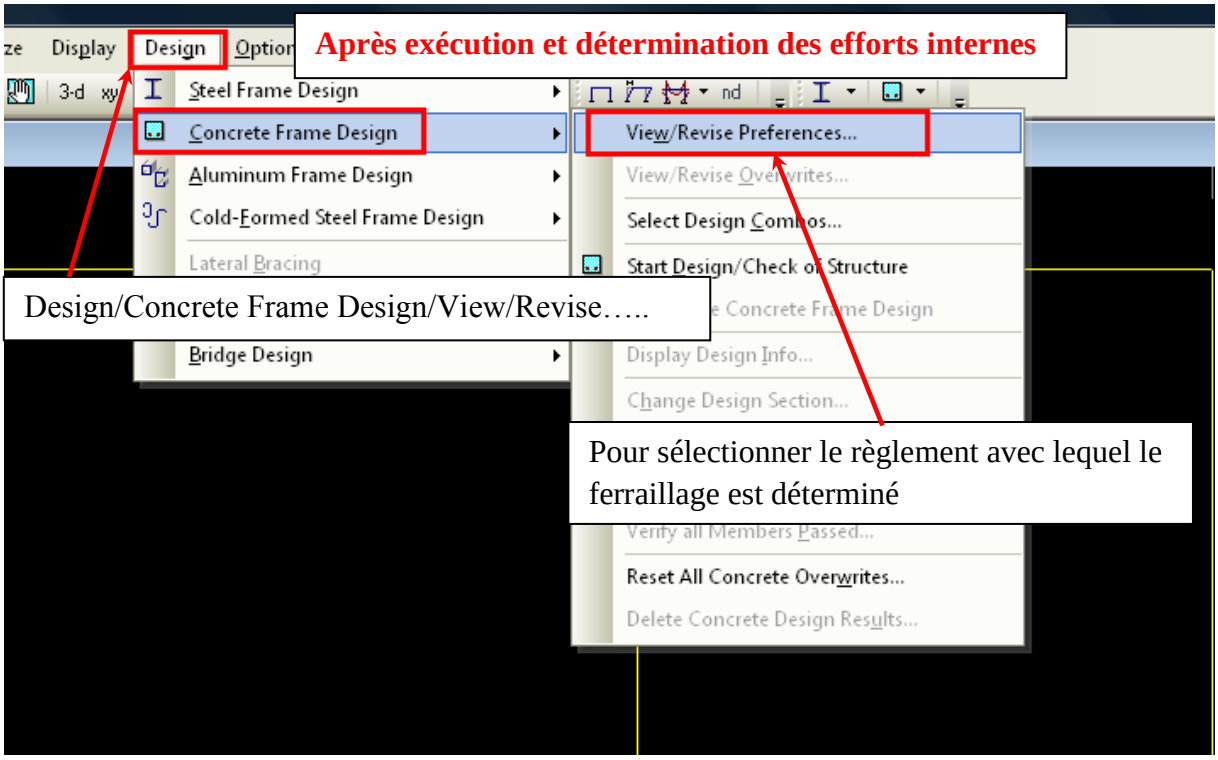
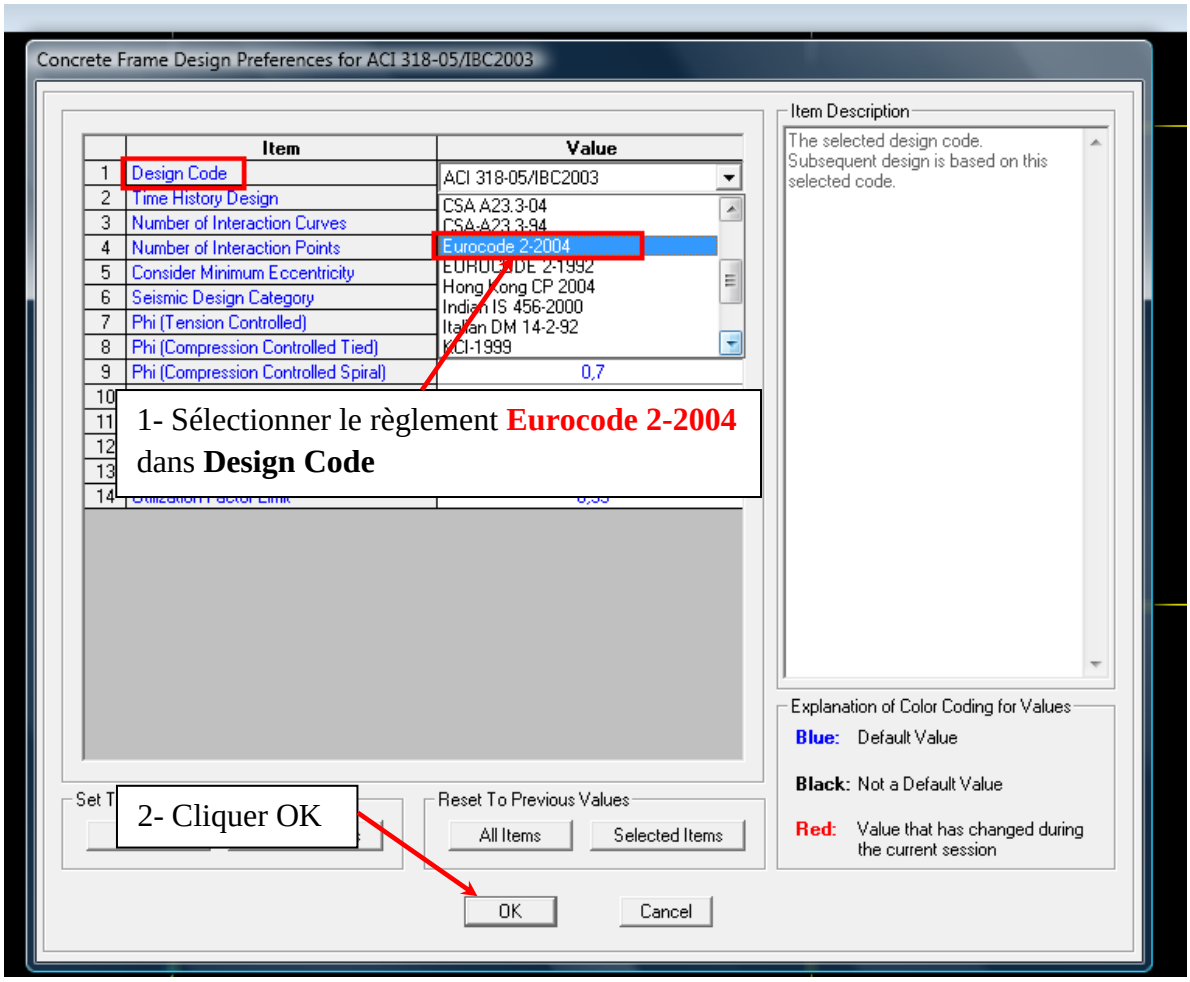
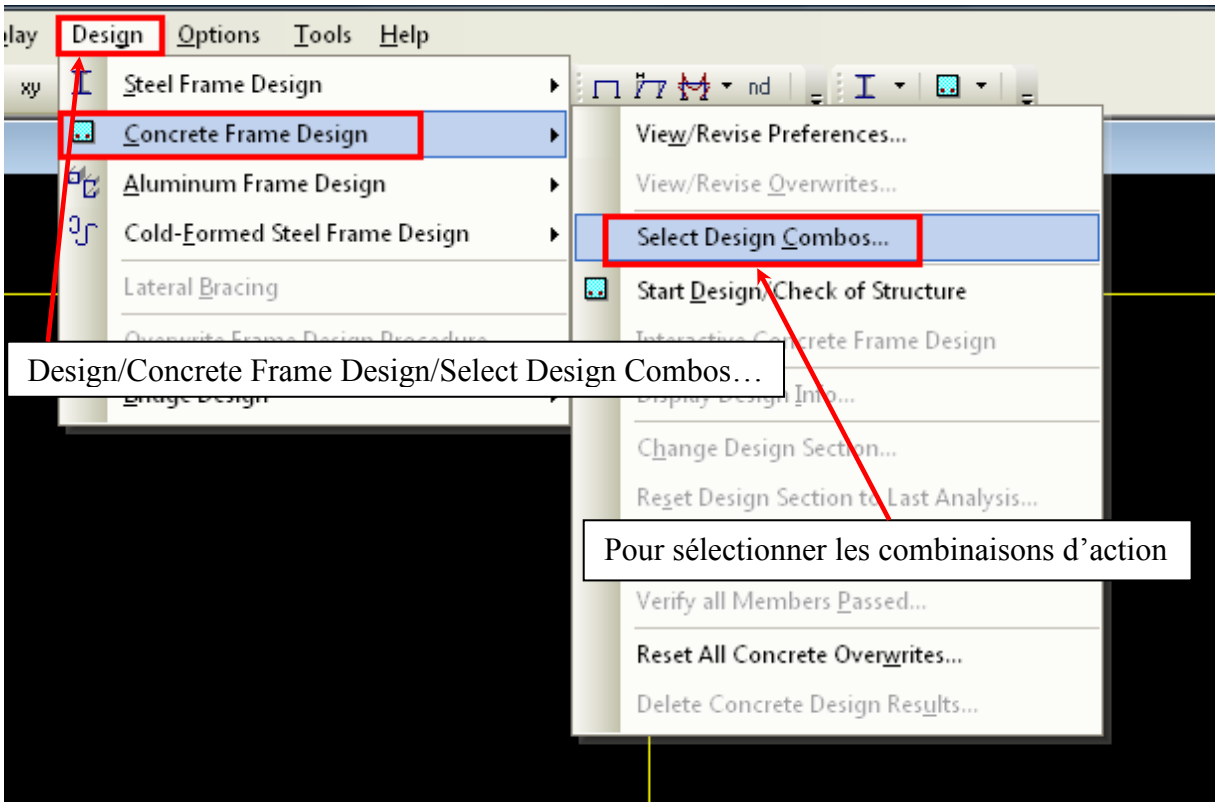
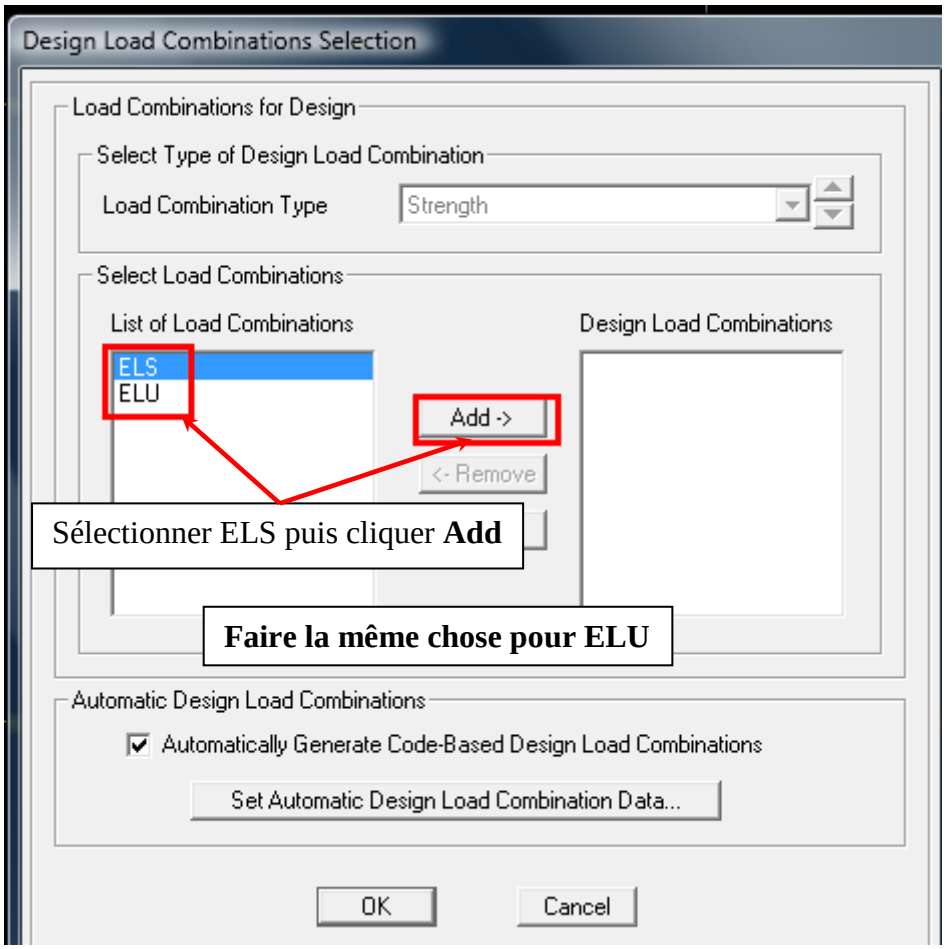
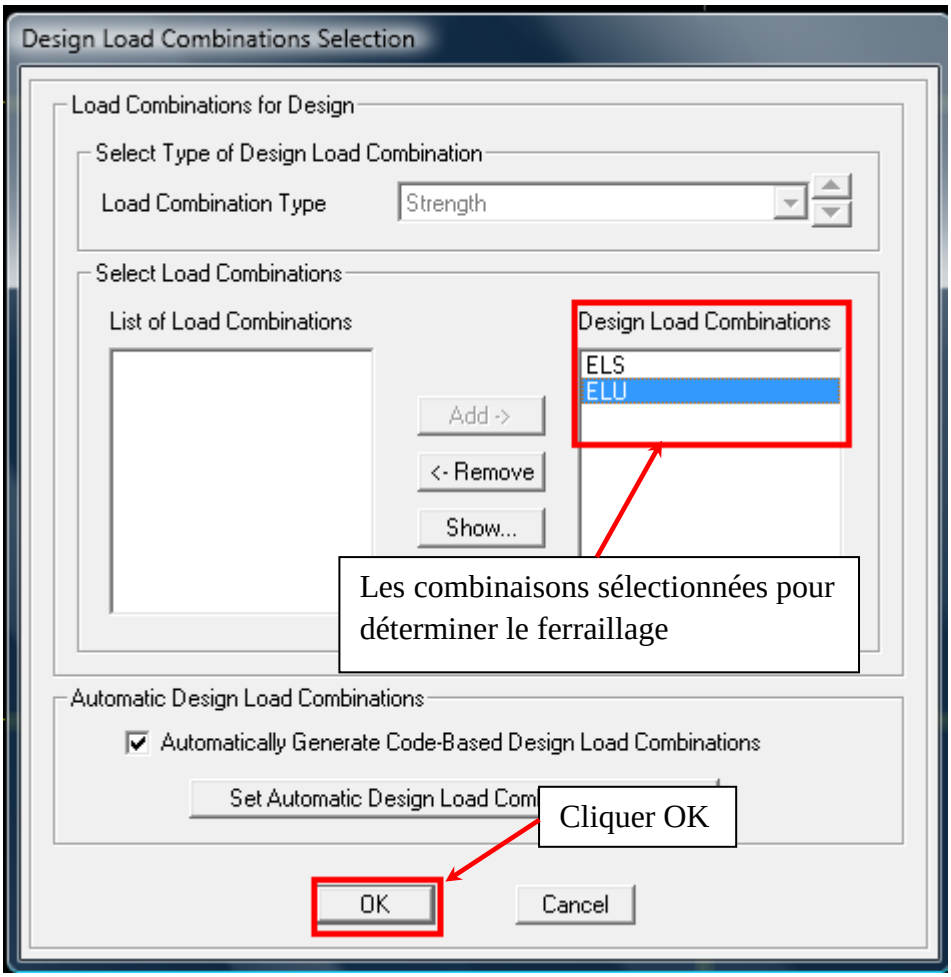
DETERMINATION DU FERRAILLAGE DES ELEMENTS STRUCTURAUX PAR LE SAP2000

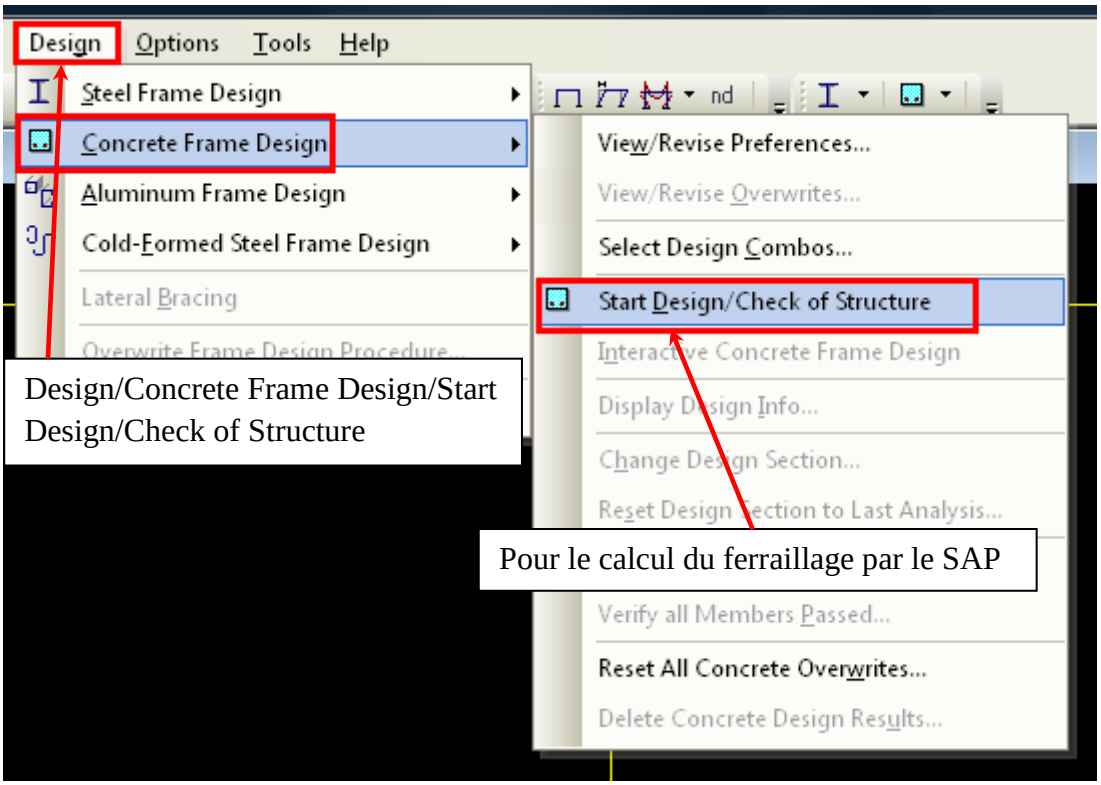


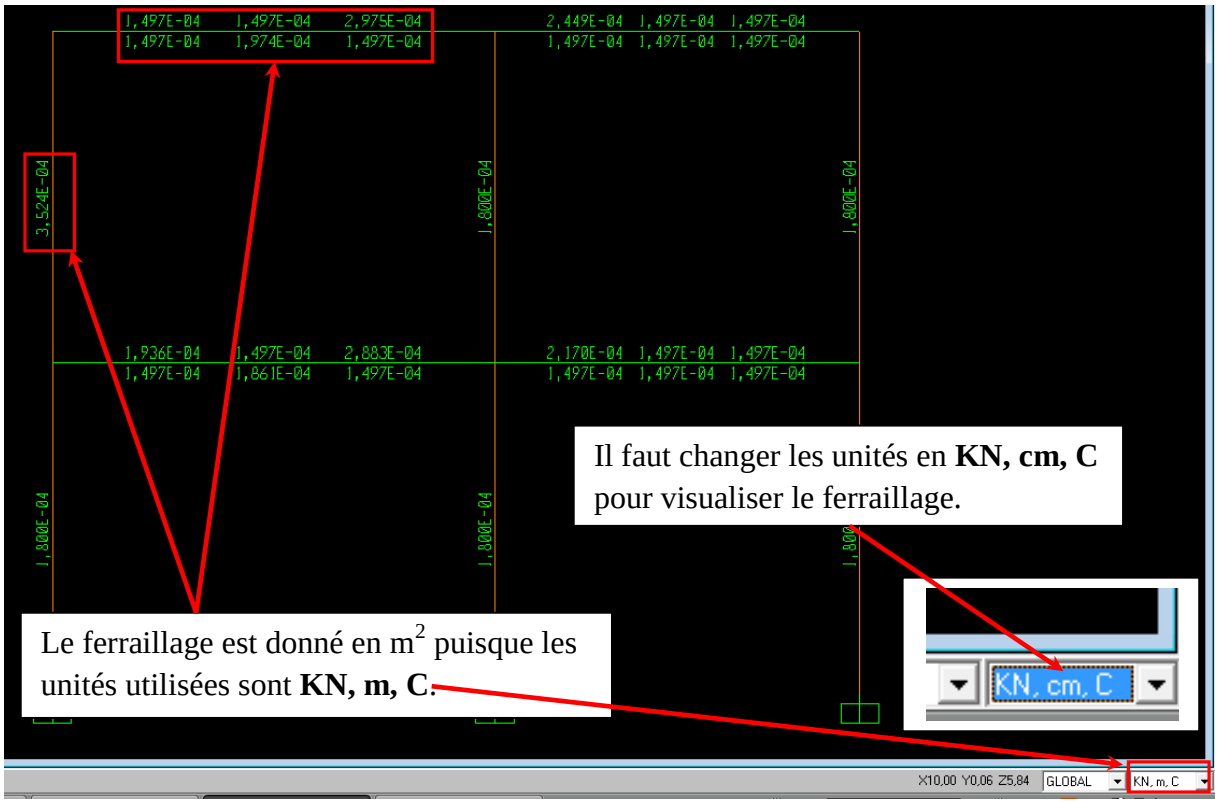



Design
Options
Tools
Help
Steel Frame Design
Concrete Frame Design
Aluminum Frame Design
Cold-Formed Steel Frame Design
Lateral Bracing
View/Revise Preferences...
View/Revise Overwrites...
Select Design Combos...
Start Design/Check of Structure
Change Design Section...
Reset Design Section to Last Analysis...
Verify all Members Passed...
Reset All Concrete Overwrites...
Delete Concrete Design Results...
Design/Concrete Frame Design/Select Design Combos…
Pour sélectionner les combinaisons d'action


Design Load Combinations Selection
Load Combinations for Design
Select Type of Design Load Combination
Load Combination Type
Strength
Select Load Combinations
List of Load Combinations
Design Load Combinations
ELS
ELU
Add ->
<- Remove
Sélectionner ELS puis cliquer **Add**
Faire la même chose pour ELU
Automatic Design Load Combinations
Automatically Generate Code-Based Design Load Combinations
Set Automatic Design Load Combination Data...
OK
Cancel


Design Load Combinations Selection
Load Combinations for Design
Select Type of Design Load Combination
Load Combination Type
Strength
Select Load Combinations
List of Load Combinations
Design Load Combinations
ELS
ELU
Add ->
<- Remove
Show...
Les combinaisons sélectionnées pour déterminer le ferraillage
Automatic Design Load Combinations
Automatically Generate Code-Based Design Load Combinations
Set Automatic Design Load Com
Cliquer OK
OK
Cancel


Design
Options
Tools
Help
Steel Frame Design
Concrete Frame Design
Aluminum Frame Design
Cold-Formed Steel Frame Design
Lateral Bracing
Overwrite Frame Design Procedure...
View/Revise Preferences...
View/Revise Overwrites...
Select Design Combos...
Start Design/Check of Structure
Interactive Concrete Frame Design
Display Design Info...
Change Design Section...
Reset Design Section to Last Analysis...
Verify all Members Passed...
Reset All Concrete Overwrites...
Delete Concrete Design Results...
Design/Concrete Frame Design/Start Design/Check of Structure
Pour le calcul du ferraillage par le SAP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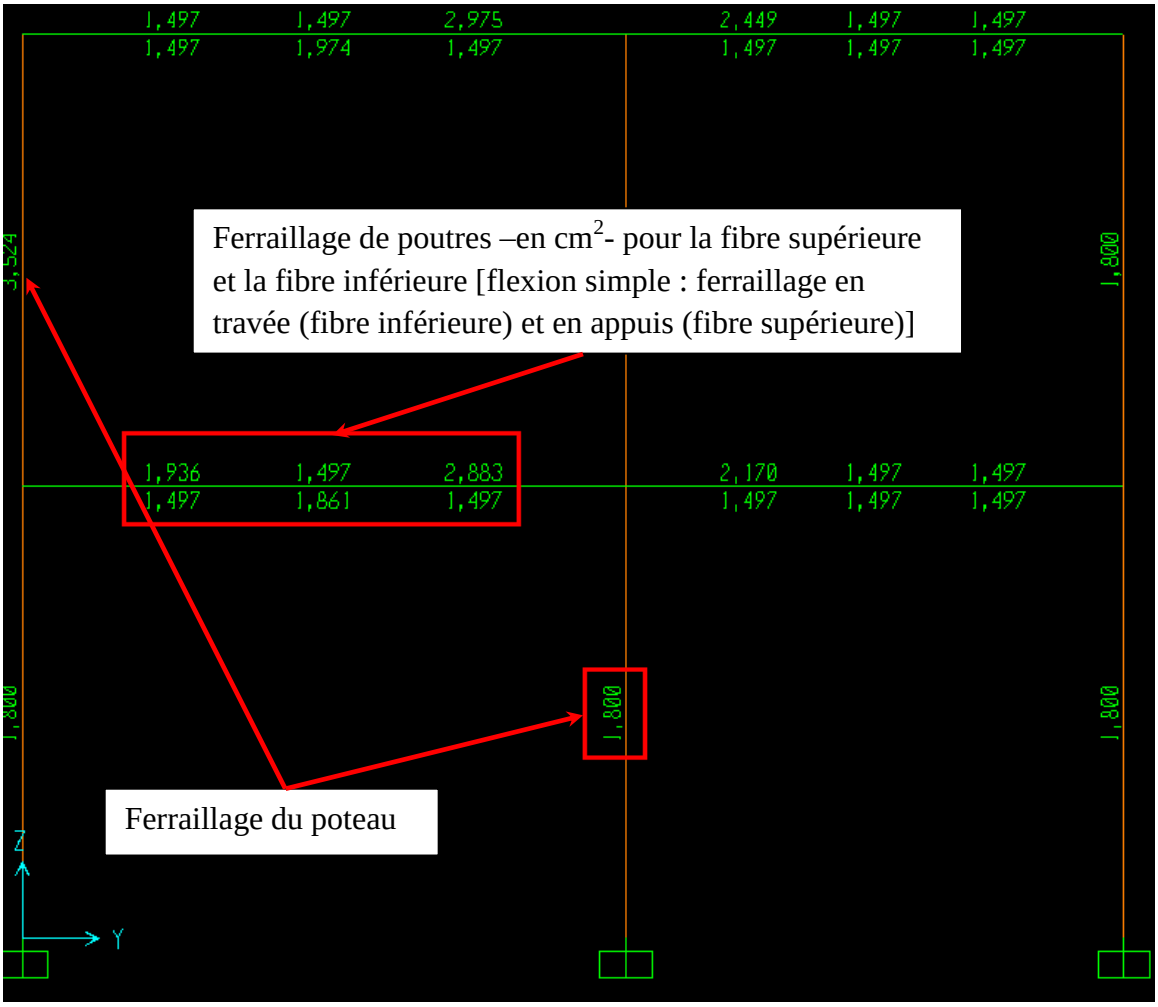
1,497E-04 1,974E-04 1,497E-04
2,449E-04 1,497E-04 1,497E-04
1,497E-04 1,497E-04 1,497E-04
3,524E-04
1,800E-04
1,800E-04
1,936E-04 1,497E-04 2,883E-04
1,497E-04 1,861E-04 1,497E-04
2,170E-04 1,497E-04 1,497E-04
1,497E-04 1,497E-04 1,497E-04
1,800E-04
1,800E-04
Il faut changer les unités en **KN, cm, C** pour visualiser le ferraillage.
Le ferraillage est donné en m^2 puisque les unités utilisées sont **KN, m, C**.
KN, cm, C
X10,00 Y0,06 Z5,84
GLOBAL
KN, m, C


1,497 1,497 2,975
1,497 1,974 1,497
2,449 1,497 1,497
1,497 1,497 1,497
3,524
1,800
Ferraillage de poutres –en cm^2- pour la fibre supérieure et la fibre inférieure [flexion simple : ferraillage en travée (fibre inférieure) et en appuis (fibre supérieure)]
1,936 1,497 2,883
1,497 1,861 1,497
2,170 1,497 1,497
1,497 1,497 1,497
1,800
1,800
1,800
Ferraillage du poteau
Z
Y