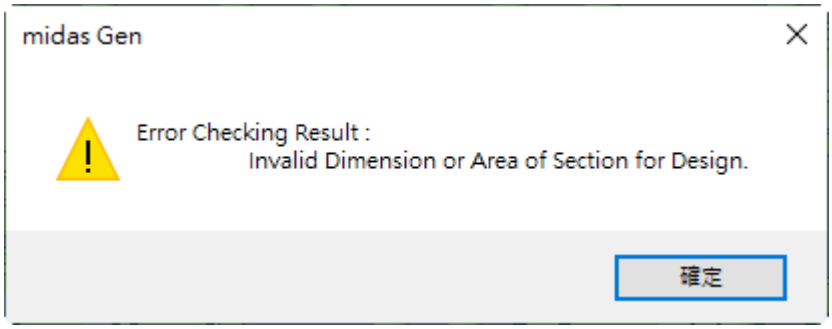
Q 模型無法執行梁設計。能麻煩幫我看一下是哪裡出錯嗎?

A 我做設計以後，有 Error Message “Skip : Member No (…) is unacceptable Section for Protection of Bar”。




```
*** End Creating Load Combinations for Design/Checking.
*** Start Design by TWN-USD111.
* Skip : Member No (181) is unacceptable Section for Protection of Bar.
* Skip : Member No (182) is unacceptable Section for Protection of Bar.
* Skip : Member No (183) is unacceptable Section for Protection of Bar.
* Skip : Member No (184) is unacceptable Section for Protection of Bar.
* Skip : Member No (185) is unacceptable Section for Protection of Bar.
* Skip : Member No (186) is unacceptable Section for Protection of Bar.
* Skip : Member No (187) is unacceptable Section for Protection of Bar.
* Skip : Member No (188) is unacceptable Section for Protection of Bar.
* Skip : Member No (189) is unacceptable Section for Protection of Bar.
* Skip : Member No (190) is unacceptable Section for Protection of Bar.
* Skip : Member No (191) is unacceptable Section for Protection of Bar.
* Skip : Member No (192) is unacceptable Section for Protection of Bar.
* Skip : Member No (193) is unacceptable Section for Protection of Bar.
* Skip : Member No (194) is unacceptable Section for Protection of Bar.
* Skip : Member No (195) is unacceptable Section for Protection of Bar.
* Skip : Member No (196) is unacceptable Section for Protection of Bar.
* Skip : Member No (197) is unacceptable Section for Protection of Bar.
* Skip : Member No (198) is unacceptable Section for Protection of Bar.
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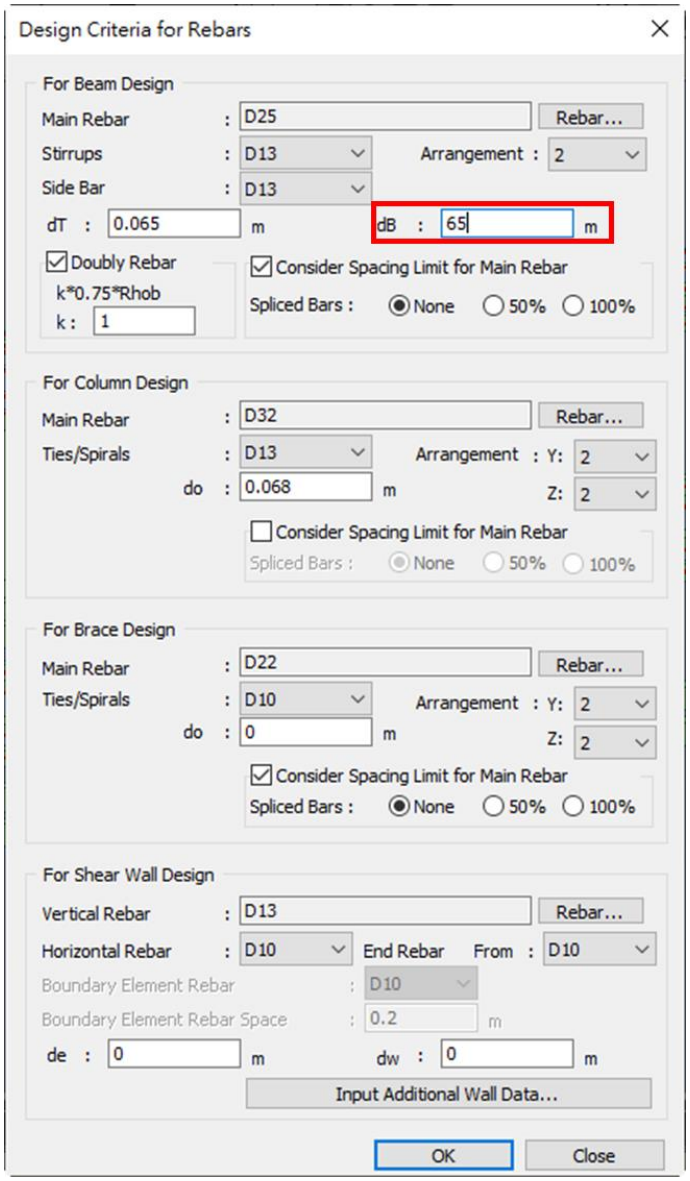
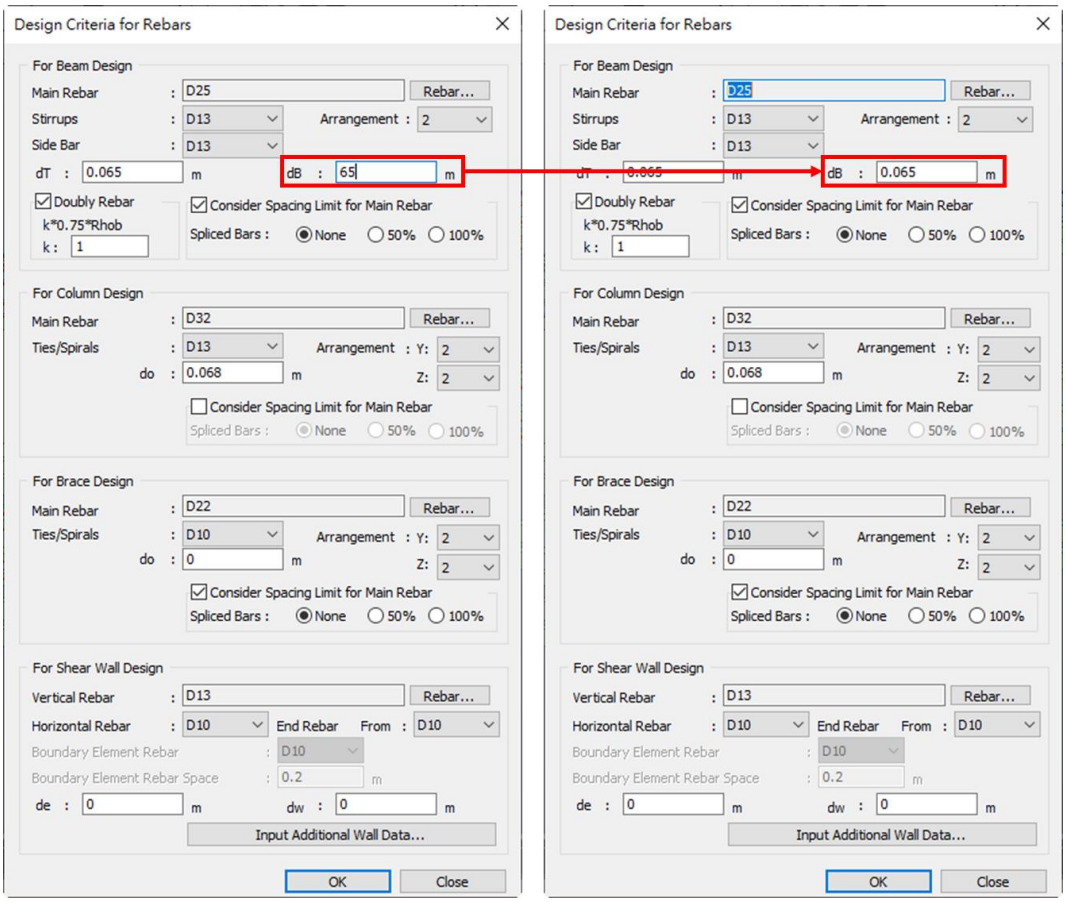
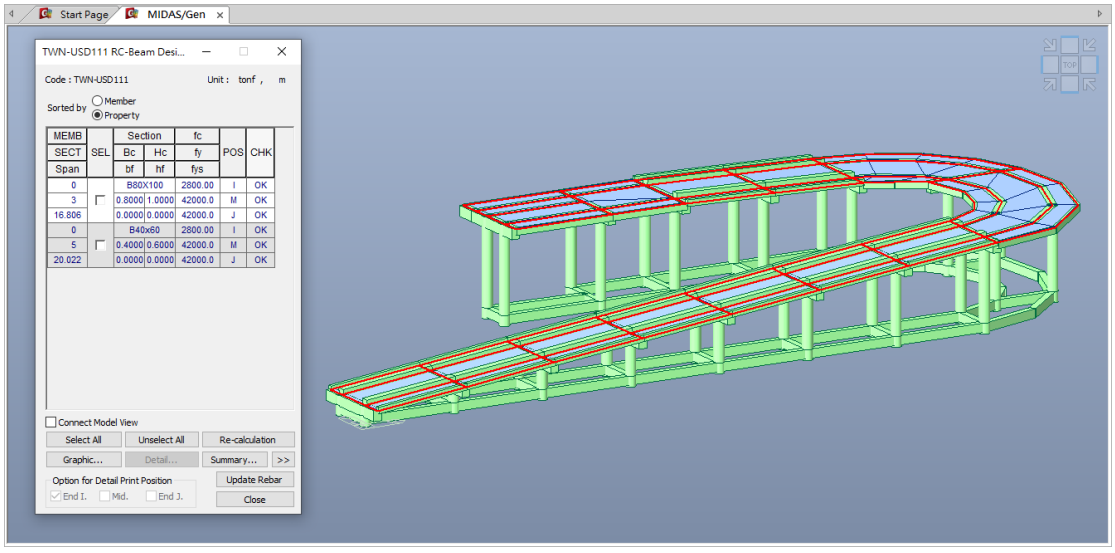
因為 Protection of Bar 是 dB，所以你應該看 Design Criteria for Rebar (在 Design > RC Design > Design Criteria for Rebar)。在 Design Criteria for Rebar，你看 dB 是 65 m。所以 midas Gen 不能設計因為 dB 很大。



請你改變 dB value。比如說，我輸入 dB 是 0.065 m。然後我可以設計 Beam Element。


Design Criteria for Rebars
For Beam Design
Main Rebar : D25 Rebar...
Stirrups : D13 Arrangement : 2
Side Bar : D13
dT : 0.065 m
dB : 65 m
Doubly Rebar
k*0.75*Rhob
k : 1
Consider Spacing Limit for Main Rebar
Spliced Bars : None 50% 100%
For Column Design
Main Rebar : D32 Rebar...
Ties/Spirals : D13 Arrangement : Y: 2
do : 0.068 m Z: 2
Consider Spacing Limit for Main Rebar
Spliced Bars : None 50% 100%
For Brace Design
Main Rebar : D22 Rebar...
Ties/Spirals : D10 Arrangement : Y: 2
do : 0 m Z: 2
Consider Spacing Limit for Main Rebar
Spliced Bars : None 50% 100%
For Shear Wall Design
Vertical Rebar : D13 Rebar...
Horizontal Rebar : D10 End Rebar From : D10
Boundary Element Rebar : D10
Boundary Element Rebar Space : 0.2 m
de : 0 m dw : 0 m
Input Additional Wall Data...
OK Close
Design Criteria for Rebars
For Beam Design
Main Rebar : D25 Rebar...
Stirrups : D13 Arrangement : 2
Side Bar : D13
dT : 0.065 m
dB : 0.065 m
Doubly Rebar
k*0.75*Rhob
k : 1
Consider Spacing Limit for Main Rebar
Spliced Bars : None 50% 100%
For Column Design
Main Rebar : D32 Rebar...
Ties/Spirals : D13 Arrangement : Y: 2
do : 0.068 m Z: 2
Consider Spacing Limit for Main Rebar
Spliced Bars : None 50% 100%
For Brace Design
Main Rebar : D22 Rebar...
Ties/Spirals : D10 Arrangement : Y: 2
do : 0 m Z: 2
Consider Spacing Limit for Main Rebar
Spliced Bars : None 50% 100%
For Shear Wall Design
Vertical Rebar : D13 Rebar...
Horizontal Rebar : D10 End Rebar From : D10
Boundary Element Rebar : D10
Boundary Element Rebar Space : 0.2 m
de : 0 m dw : 0 m
Input Additional Wall Data...
OK Close


Start Page
MIDAS/Gen
TWN-USD111 RC-Beam Desi...
Code : TWN-USD111
Unit : tonf , m
Sorted by Member Property
MEMB SECT Span SEL Section bf hf Bc Hc fc fy fys POS CHK
0 B80X100 2800.00 I OK
3 0.8000 1.0000 42000.0 M OK
16.806 0.0000 0.0000 42000.0 J OK
0 B40x60 2800.00 I OK
5 0.4000 0.6000 42000.0 M OK
20.022 0.0000 0.0000 42000.0 J OK
Connect Model View
Select All Unselect All Re-calculation
Graphic... Detail... Summary... >>
Option for Detail Print Position
End I. Mid. End J.
Update Rebar
Close