Q 做 Steel Code Check 功能得時候，有 Error Message "Skip Member No. (…) Has an Unacceptable Section"。如何解決這個問題？

A 這個問題因為規範不能 Check 你的鋼構斷面，所以 midas Gen 告訴客戶應該做 Equivalent Section。然後做 Steel Code Check 應該沒有問題。

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* Skip : Member No (601) has unacceptable Section Type.
* Skip : Member No (602) has unacceptable Section Shape.
* Skip : Member No (602) has unacceptable Section Type.
*** Start Writing Steel Code Checking Result to Table.

*** End Writing Steel Code Checking Result to Table.
```
| Command Message | Analysis Message |

Steel Code Check

Function

Using the analysis results and the specified strength verification data, the member capacities of steel members are examined according to the following Steel Structures Design Criteria:

- Load and Resistance Factor Design of the American Institute of Steel Construction (**AISC-LRFD93, 2K, 05 & 10**)
- Allowable Stress Design of the American Institute of Steel Construction (**AISC-ASD89, 05 & 10**)
- BS 5950 of the British Standards Institution (**BS 5950-90**:Part 1. Code of practice for design in simple and continuous construction:hot rolled sections)
- Canadian Standard Association (**CSA-S16-01**)
  - EN 1993-1-1:2005 **Eurocode 3** (Design of Steel Structures; Part 1.1 General Rules and Rules for Buildings)
  - ENV 1993-1-1:1992 **Eurocode 3** (Design of Steel Structures; Part 1.1 General Rules and Rules for Buildings)
  - Limit States Design of the Canadian Standards Association of Steel Structures (CSA-S16-01, Limit States Design)
  - Cold-Formed Steel Design of the American Iron and Steel Institute(**AISI-CFSD86**, Cold-Formed Steel Design).
  - Architectural Institute of Japan (**AIJ-ASD02**)
  - Korean Society of Steel Construction (**KSSC-LSD09, KSSC-ASD03**)
- Architectural Institute of Korea (**AIK-ASD83**, Allowable Stress Design)
  - Specifications for Roadway Bridges and Steel Bridges of the Korean Society of Civil Engineers (**KSCE-ASD96**, Allowable Stress Design)
  - Steel Structures Limit-State Design Criteria of the Architectural Institute of Korea (**AIK-LSD97**, Limit-State Design)
  - Cold-Formed Steel Design of the Architectural Institute of Korea(**AIK-CFSD98**, Cold-Formed Steel Design)
  - China Standard (**GBJ17-88, GB50017-03**)
  - Indian Standard (**IS800-1984, IS800-2007**)
- Taiwanese Standard (**TWN-LSD90 & 96, TWN-ASD90 & 96**)

The module verifies strength of overall steel members reflecting live load reduction factors, correction factors for seismic loads and moving loads. It also reanalyzes and reevaluates strength for selected members due to varying design properties and criteria. It provides an optimal section design feature.
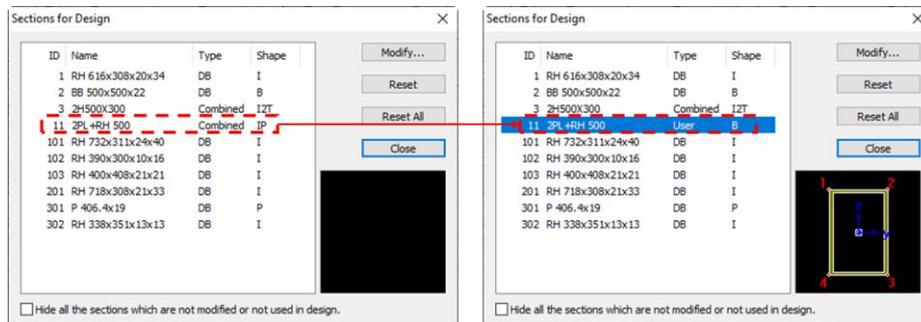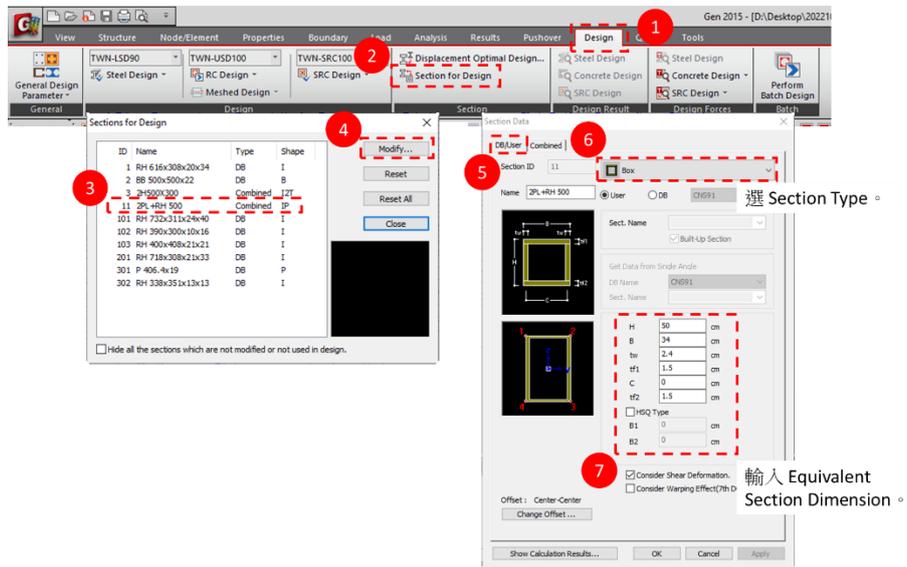
The Steel Code Check module performs serviceability checks as per Eurocode 3.
The Steel Code Check module performs strength verification for nonlinear steel members.

Note 1
In cases where tension-only/compression-only elements have extremely small compressions/tensions, the compression / tension forces are ignored in the design processes of the members if they are less than 1/10000 of (Area X Fy).

Note 2
Following section types and shapes are applicable in Steel Code Checking.
Applicable section type: DB/User type, Tapered type
Applicable section shape:
L, C, H, T, Box, Pipe, Rectangle, Round, Double-L and Double-C type for other standards except for AISI-CFSD86
CC (Cold-Formed Channel with Lips) for AISI-CFSD86
Star-battened Angle for Eurocode3:05
Combined tab > I-C Combined Shape for IS:800-2007

在哪裡我們可以定義 Equivalent Section？

在 Design > Section > Section for Design，你可以定義 Equivalent Section。首先，你選你的斷面。然後，你可以選 DB/User type 斷面因為 Steel Code 可以設計 DB/User Type 斷面。你選 Section Type 和輸入 Equivalent Section 的尺寸。

定義 Equivalent Section 以後，你可以做 Steel Code Check。