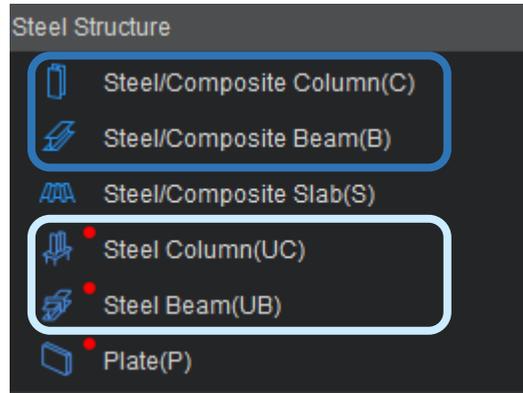


Section 2

Steel Element



Perbedaan Steel/Composite Elements & Steel Elements



| Steel/Composite Column & Steel/Composite Beam (OLD) | Steel Column & Steel Beam (NEW) |
|--|--|
| Memiliki element <u>struktur komposit beton-baja</u> | Khusus element <u>struktur baja</u> |
| Tidak bisa membuat sambungan baja, baut, dan pelat. | Bisa membuat sambungan baja, baut, pelat |
| Dapat diexport IFC & Segmentation | Tidak dapat diexport IFC & Segmentation |
| Element bisa dihasilkan dari import RVT | Element tidak bisa dihasilkan dari import RVT |
| Memiliki fitur <u>align with roof</u> | Tidak memiliki fitur align with roof, namun memiliki fitur <u>3D Snap & Position Control</u> |

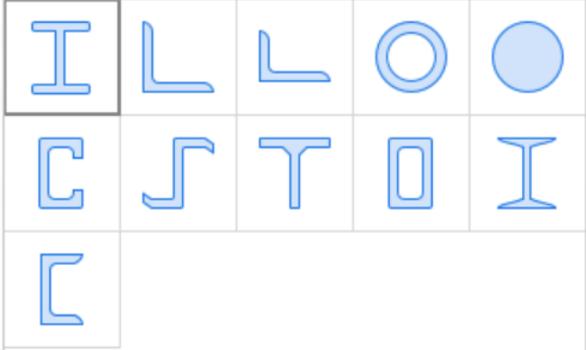
Catatan:

- Entity steel/composite element yang terlanjur dimodelkan, tidak bisa diconvert ke steel element
→ perlu pemodelan ulang menggunakan element steel beam & steel column
- Apabila floor height mengalami perubahan, sambungan baja yang sudah tergenerate tidak bisa mengikuti
→ sebelum modeling sambungan baja, **pastikan floor height sudah benar**

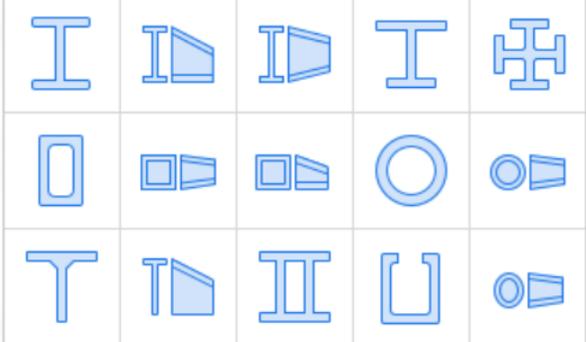
NEW Steel Beam Library – Add Custom Section

Section Library

Rolled Section



Welded Section



Section Spec:

| Spec | Mass per meter (kg/m) | Area per meter (m2/m) |
|-----------------|-----------------------|-----------------------|
| WF912*302*18*34 | 286 | 2.948 |
| WF900*300*16*28 | 243 | 2.92 |
| WF890*299*15*23 | 213 | 2.898 |
| WF808*302*16*30 | 241 | 2.744 |
| WF800*300*14*26 | 210 | 2.72 |
| WF792*300*14*22 | 191 | 2.708 |
| WF708*302*15*28 | 215 | 2.546 |
| WF700*300*13*24 | 185 | 2.526 |
| WF692*300*13*20 | 166 | 2.51 |
| WF594*302*14*23 | 175 | 2.32 |
| WF588*300*12*20 | 151 | 2.304 |
| WF582*300*12*17 | 137 | 2.292 |
| WF612*202*13*23 | 134 | 1.968 |
| WF506*300*14*20 | 130 | 1.954 |

Add Custom Section Edit Custom Section Delete Custom Section

OK Cancel

Add Custom Section

Section Code (ZDY):

Spec:

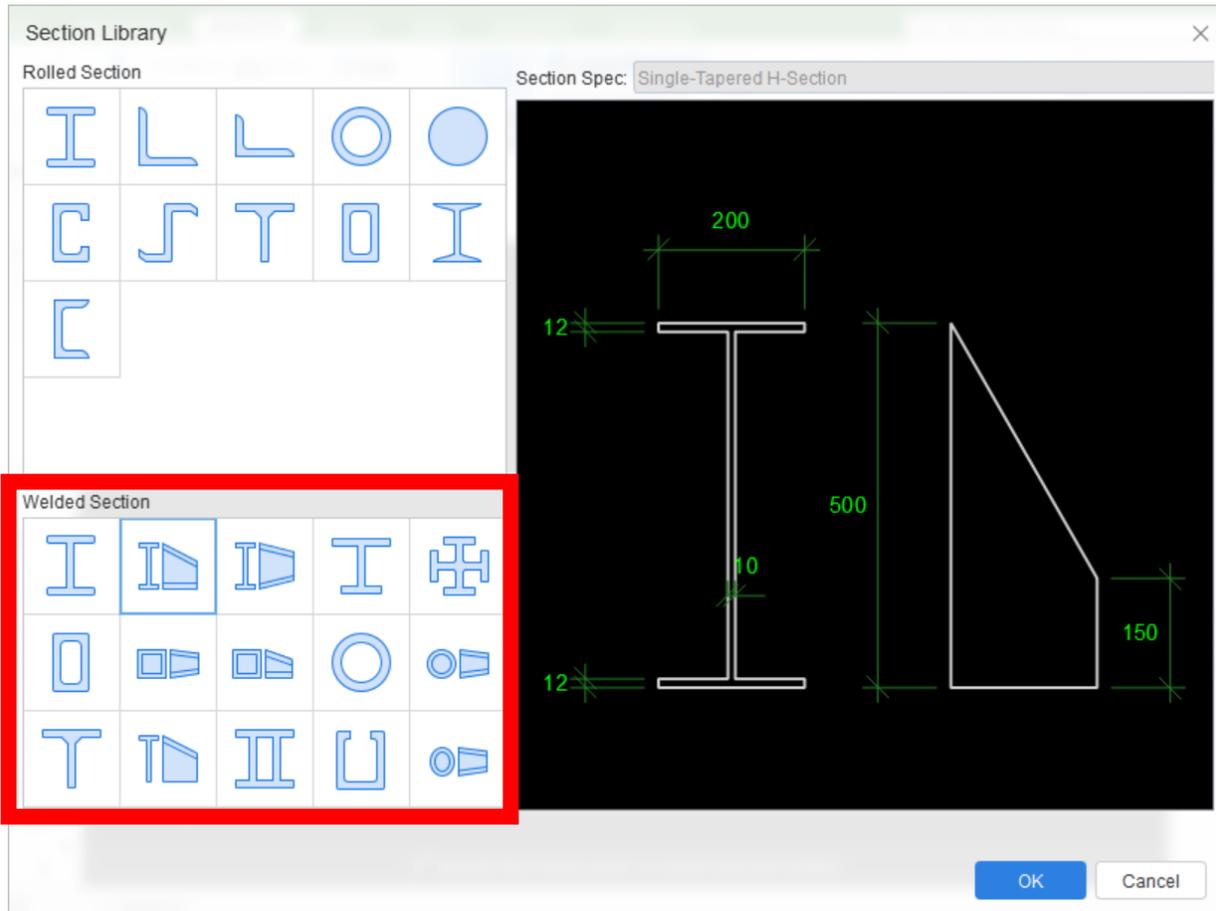
Mass per meter (kg/m):

Area per meter (m2/m):

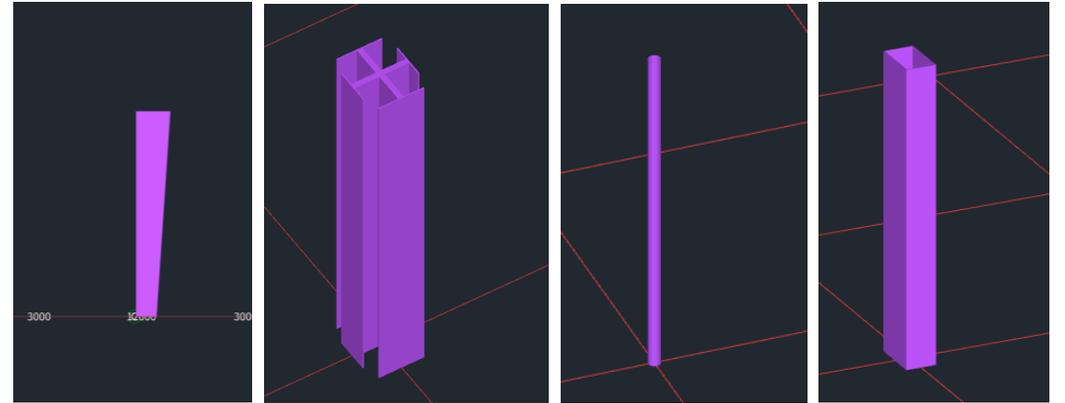
Note: The suffix (ZDY) will be auto added to the spec of custom section.

OK Cancel

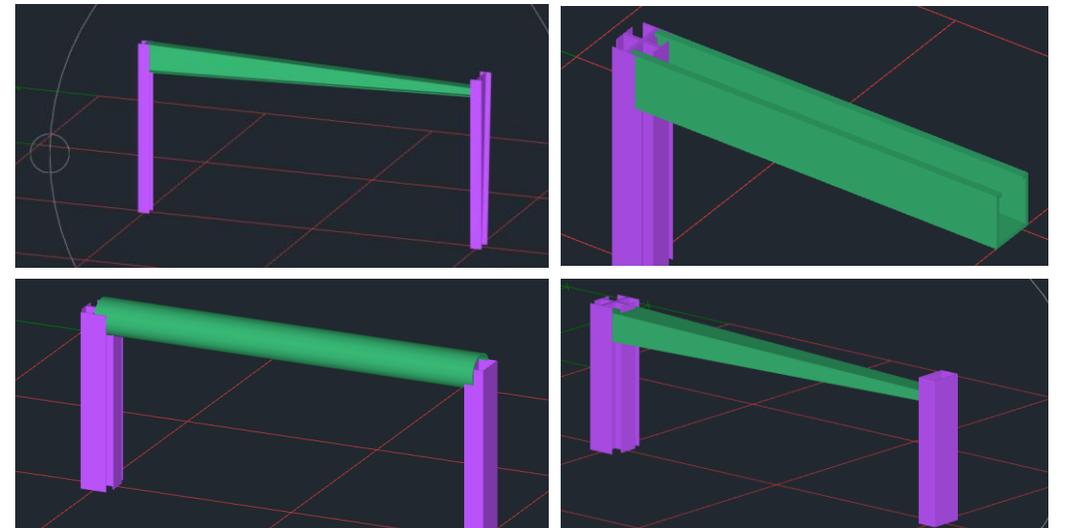
NEW Welded Steel Beam Library



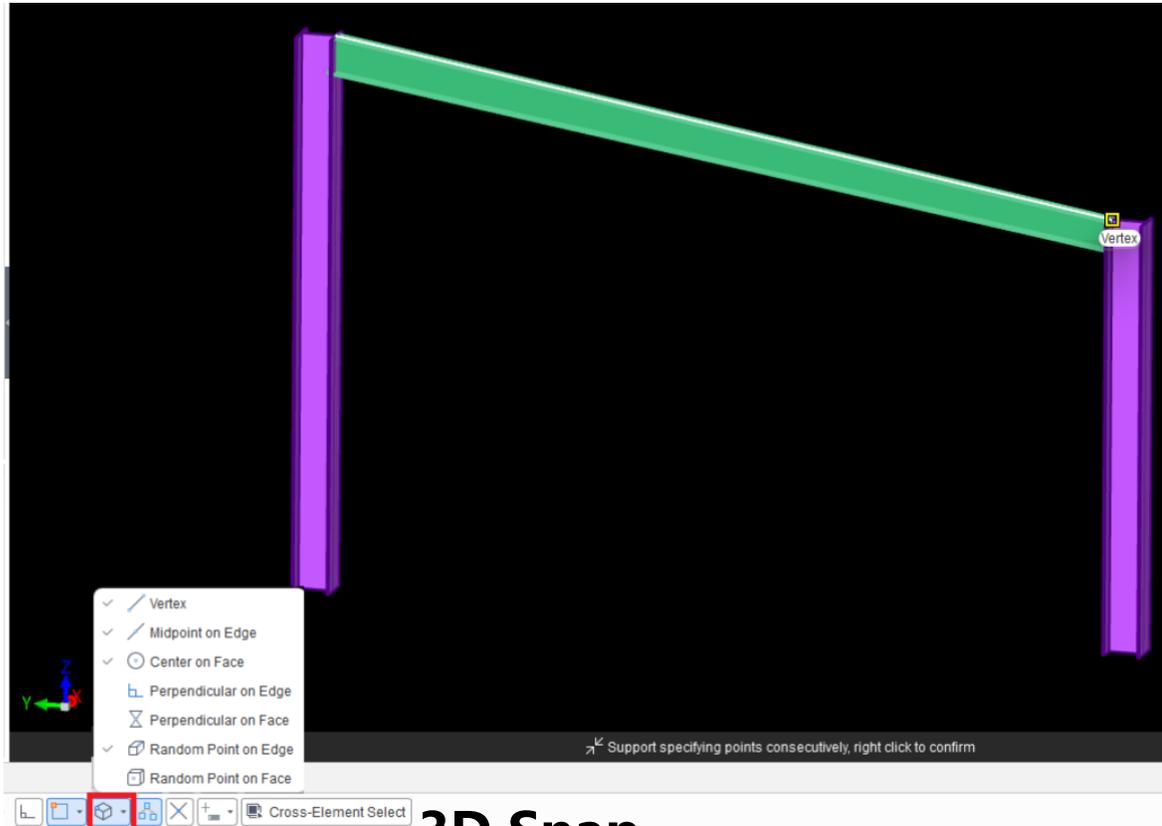
Steel Column



Steel Beam

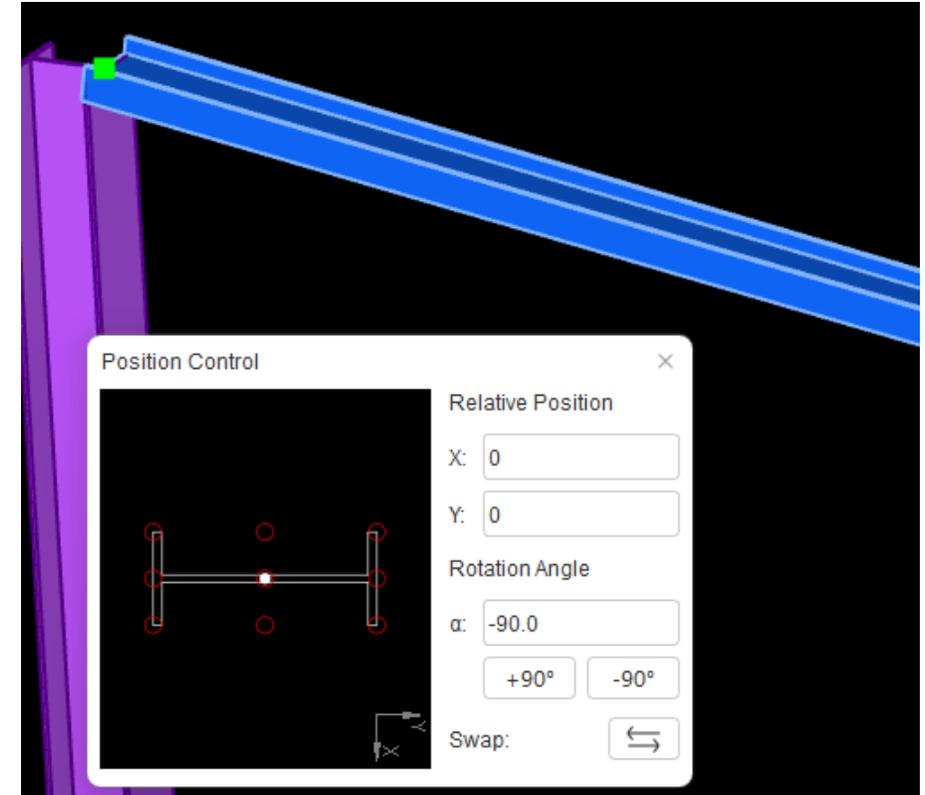


3D Snap & Position Control



3D Snap

User mudah dalam menentukan titik/lokasi acuan pemodelan dari 3D view secara bebas, terutama untuk sloping steel beam/steel column.



Position Control

User mudah dalam mengontrol posisi penampang setiap steel member dengan lebih akurat.