Say Hello to STAAD.Pro CONNECT Edition V22

REI Software Software & Services

Bentley®
Platinum Channel Partner

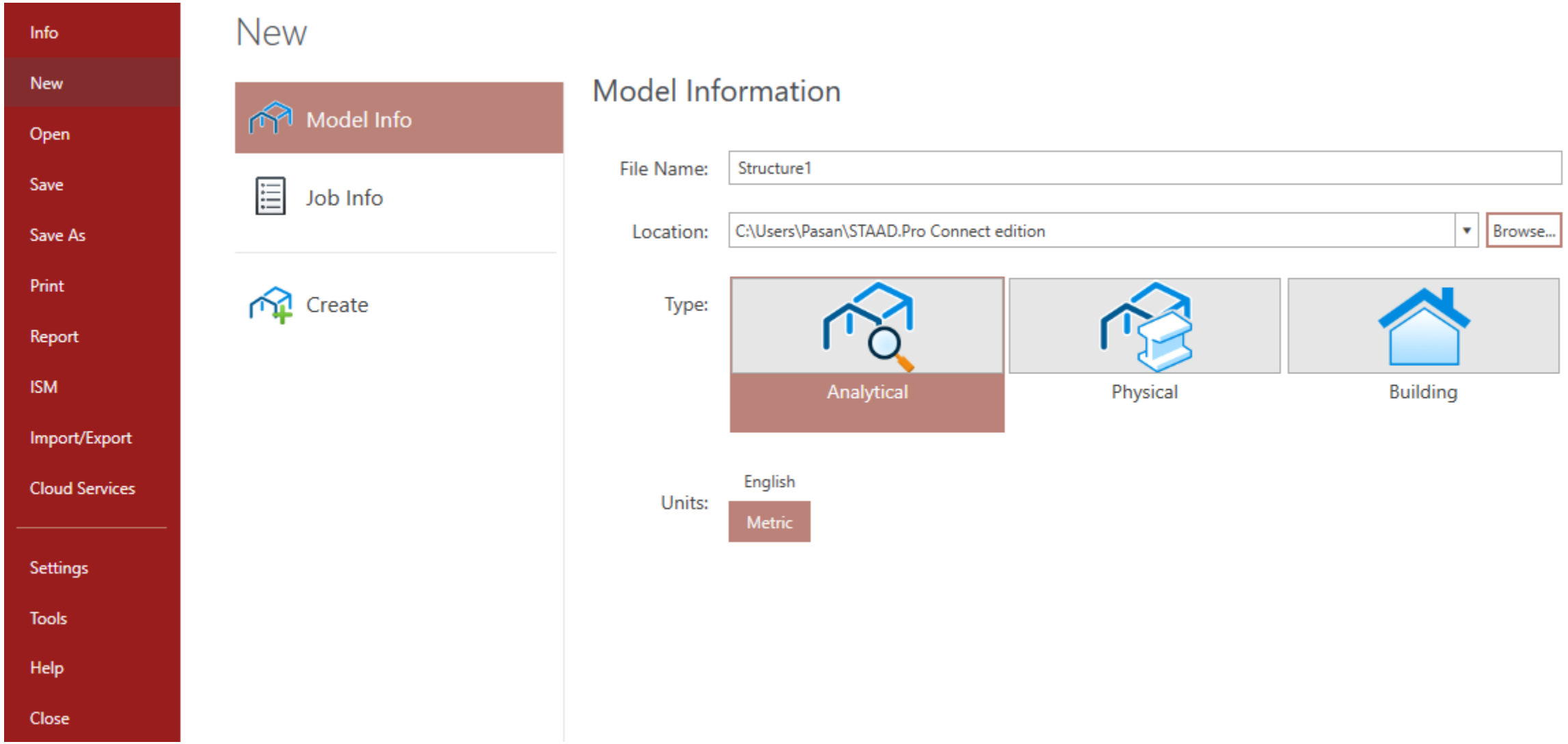
Prepare to be

What's new in STAAD Pro CONNECT edition v.22?

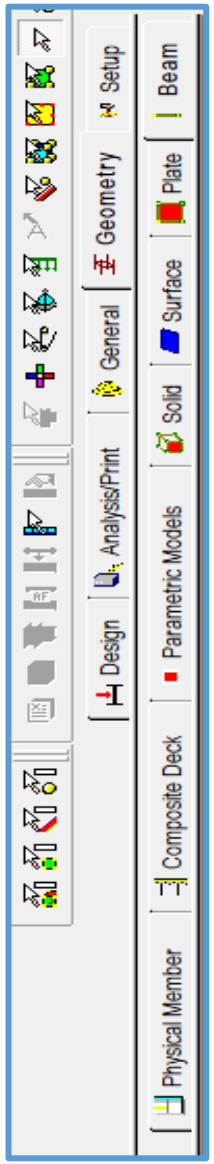
- New Workflow Style Layout
- A 64-bit solver for the analysis
- Physical Modeler
- CONNECT Advisor
- Update Service

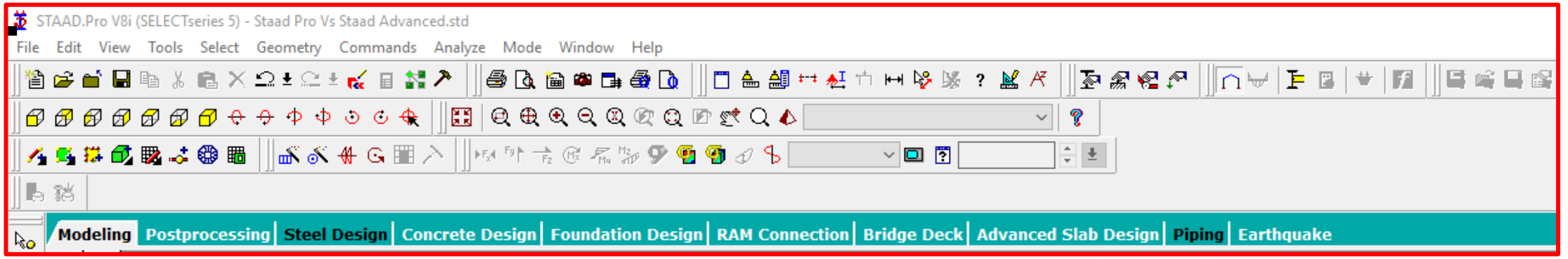
Bentley®
Advancing Infrastructure

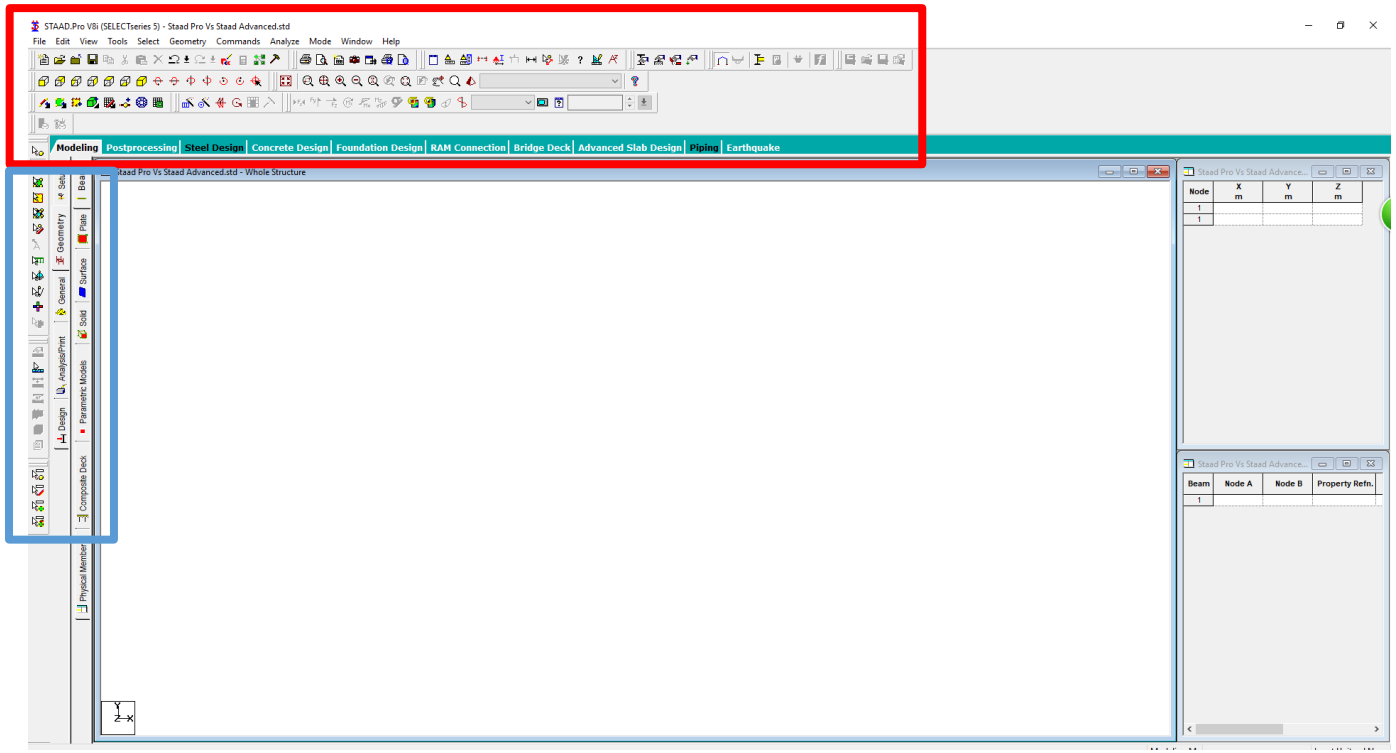
STAAD.Pro CONNECT edition v.22



Then..

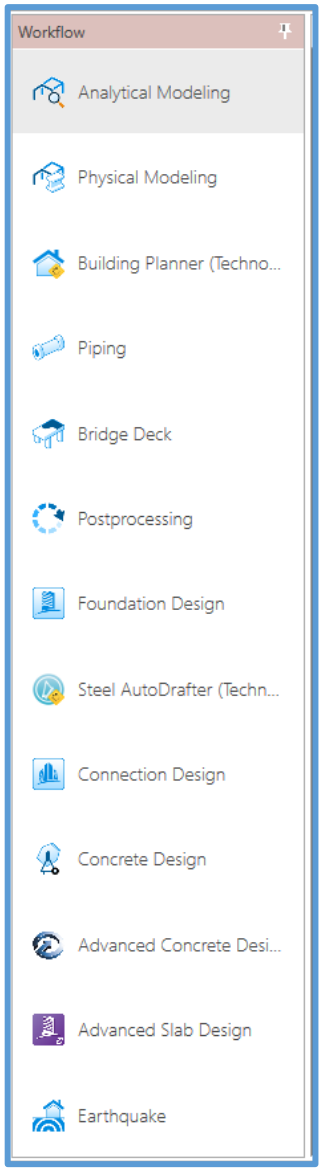


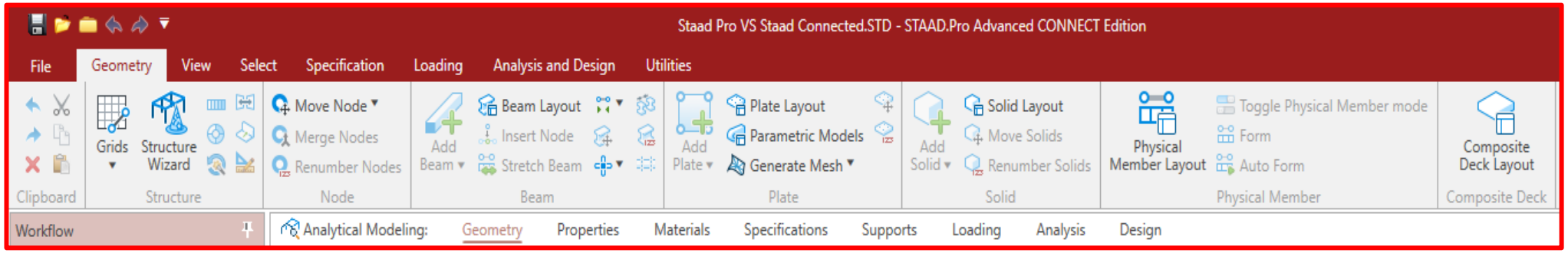


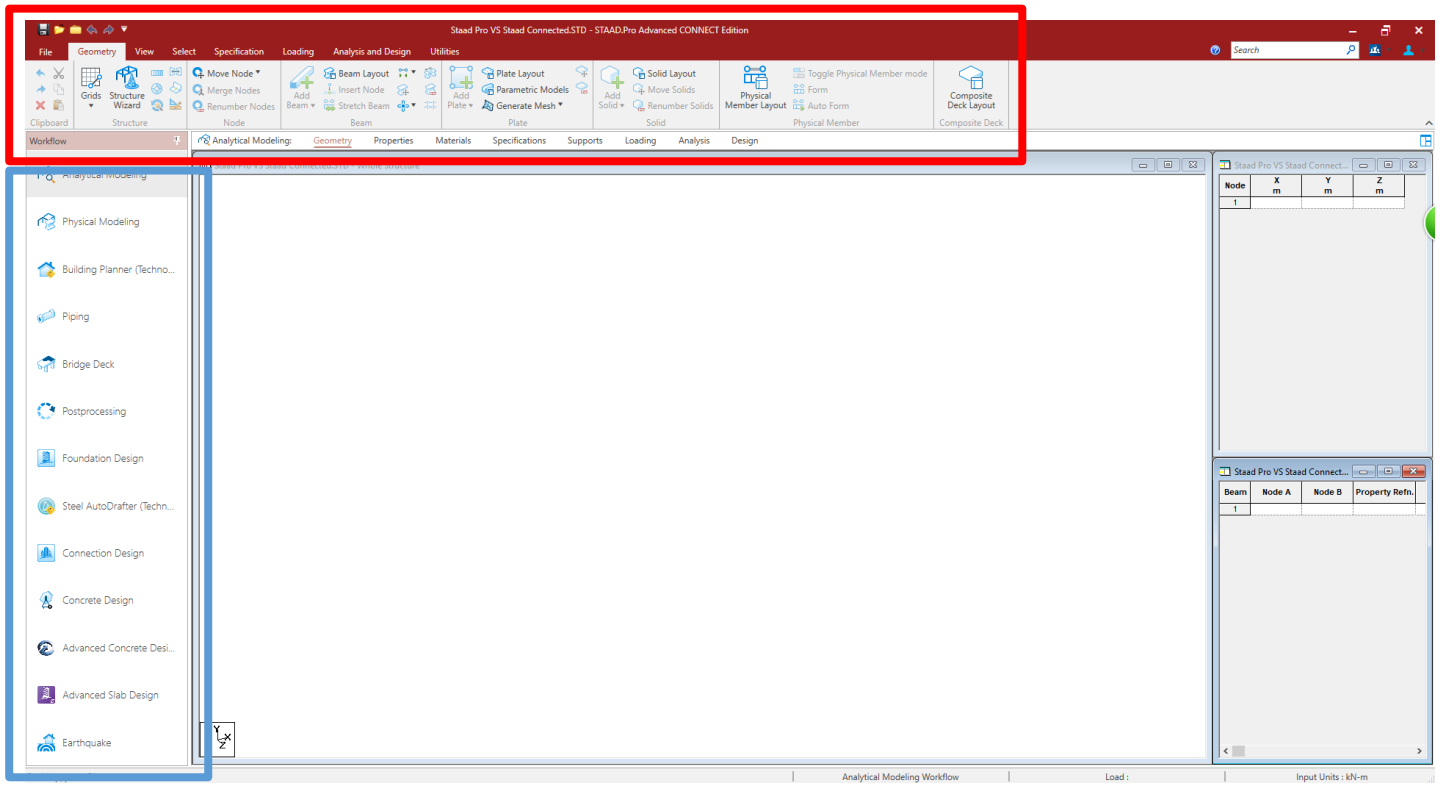


STAAD Pro V8i SS6

Now…

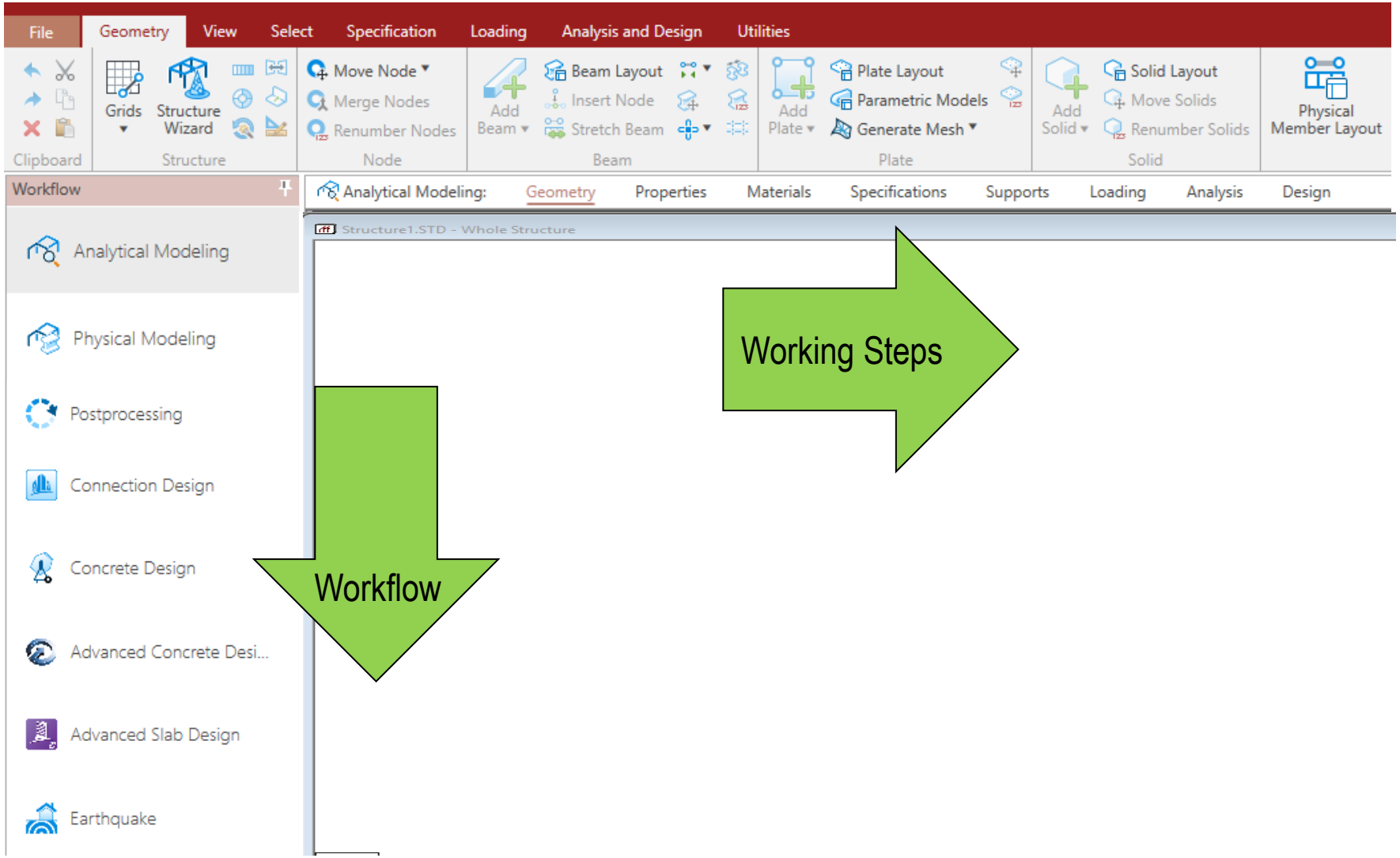






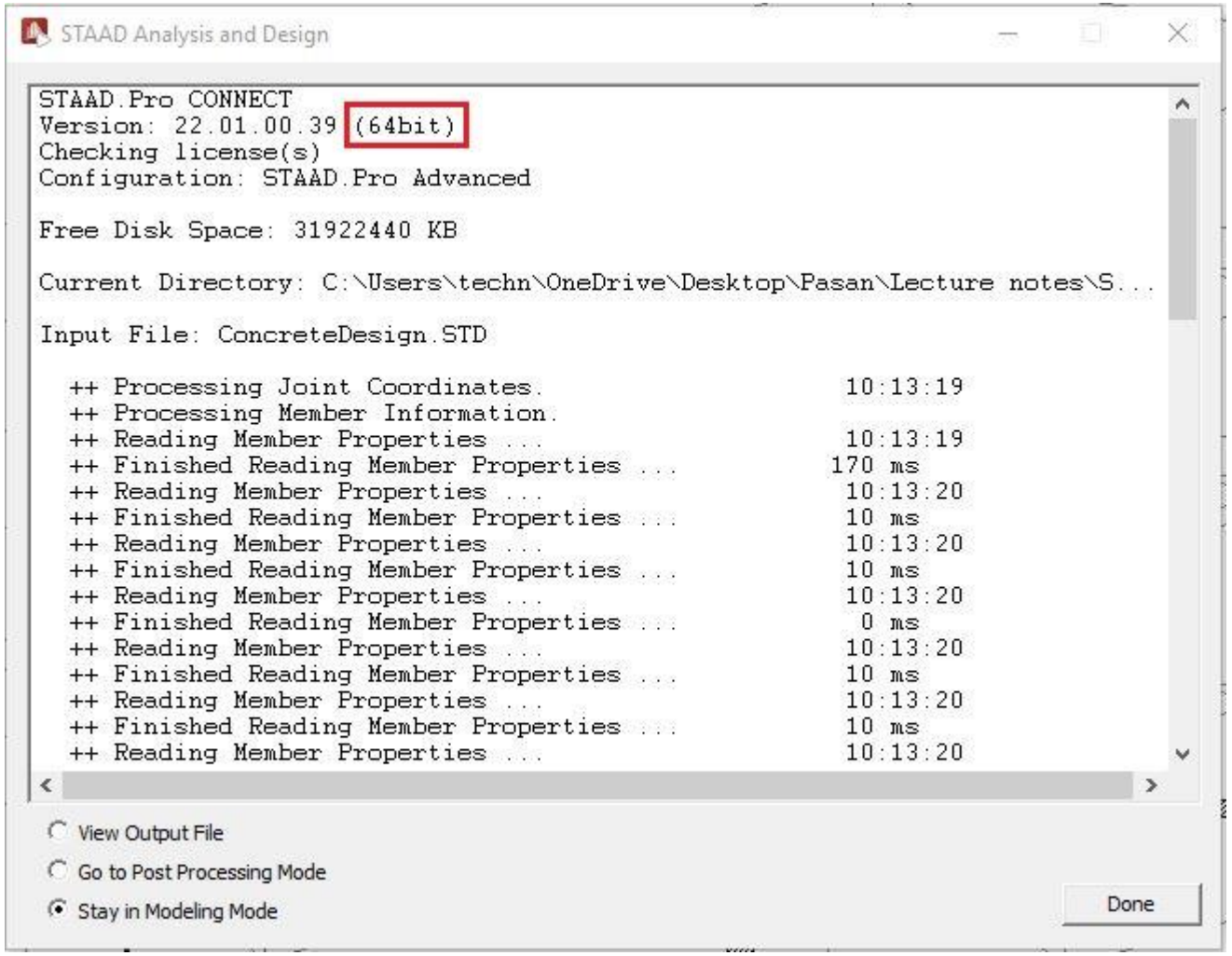
STAAD Pro
Connect Edition

Integrated Workflow



64 bits Solver..

- Analyse bigger & more complex models
- Significant time saving



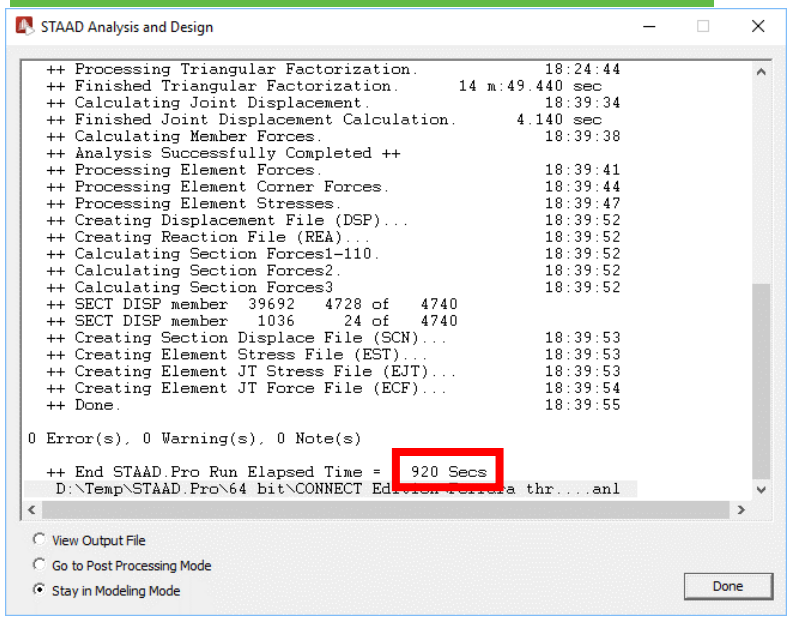
STAAD.Pro (Standard)

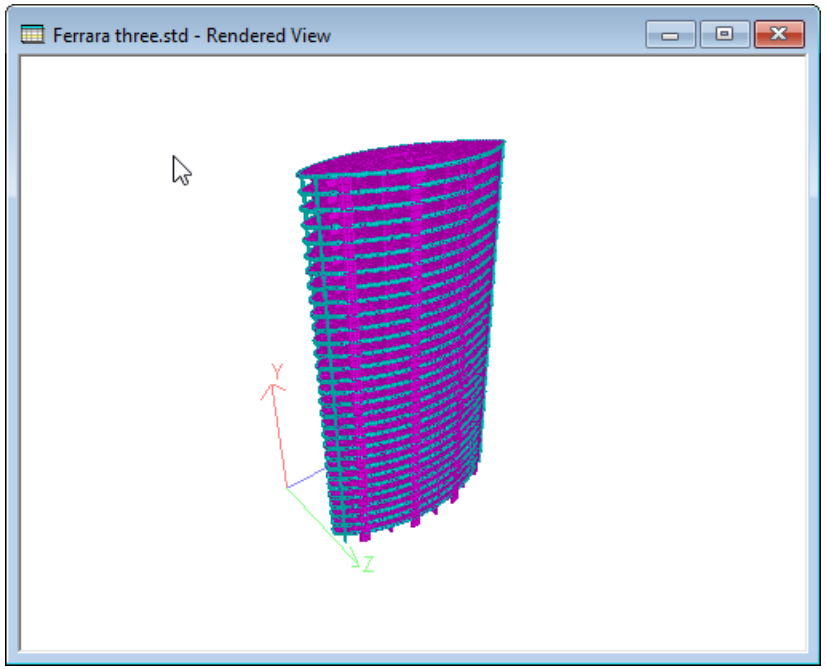
Capability of analysis methods

- Static and dynamic
- Linear Analysis
- P-Delta Analysis
- Compression/Tension only Members
- Compression/Tension only Springs
- Multi-linear Springs
- AISC Direct Analysis
- Simple Buckling
- Time History
- Response Spectrum

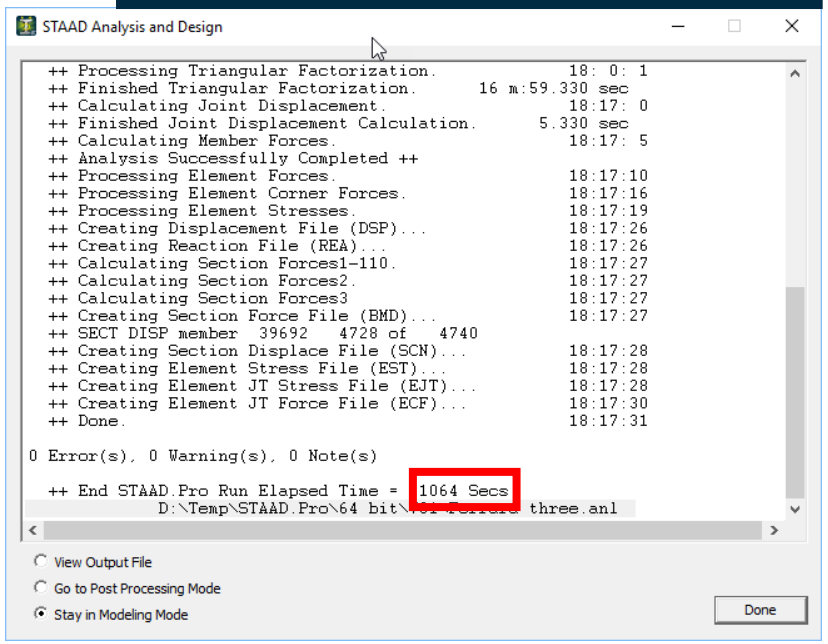
Connect Edition(Standard) vs. V8i SS6

STAAD.Pro Standard CONNECT





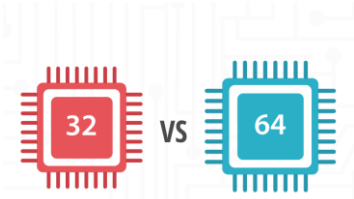
STAAD.Pro Standard V8*i*



CONNECT Edition is on average

1.5 times faster

than V8*i*.



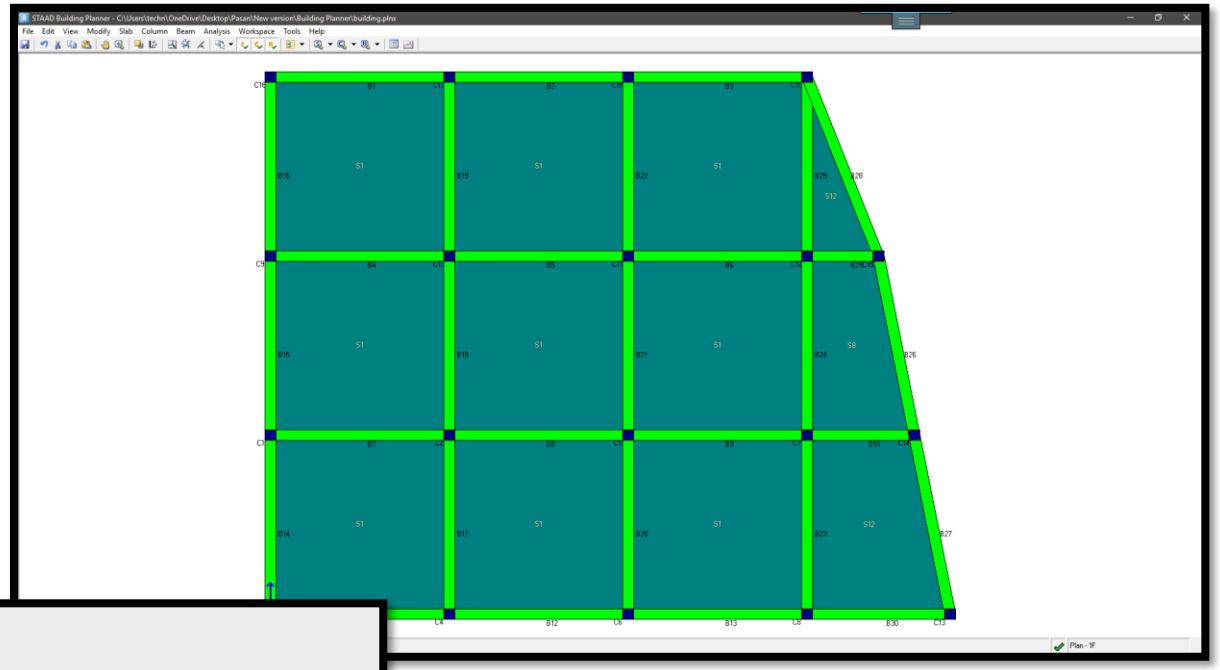
Enhanced Modelling

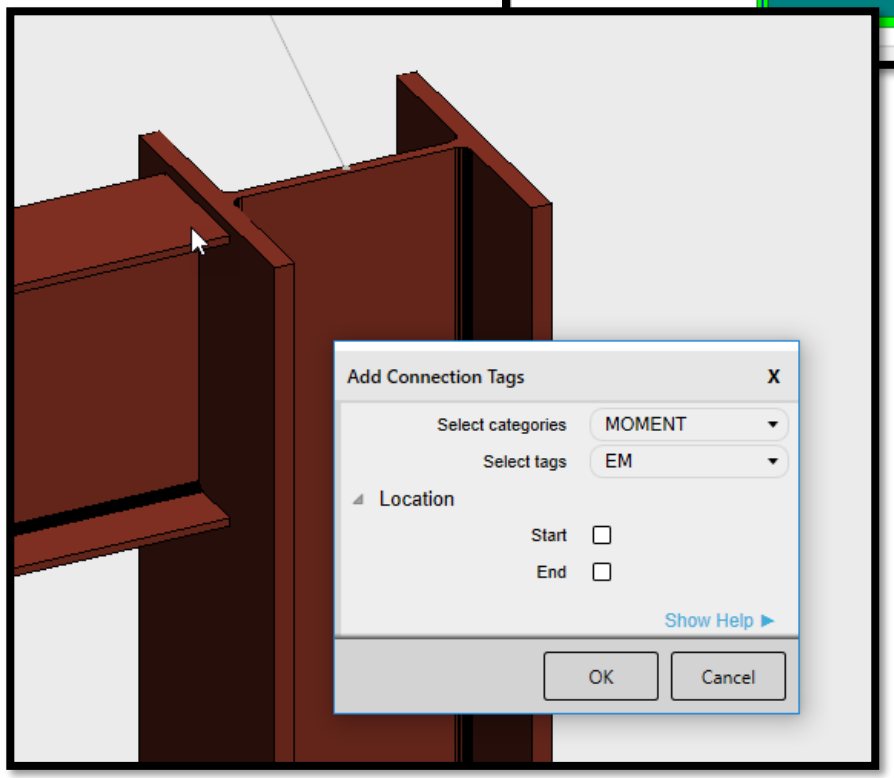
Analytical Modeller

- STAAD Building Planner (Planwin)

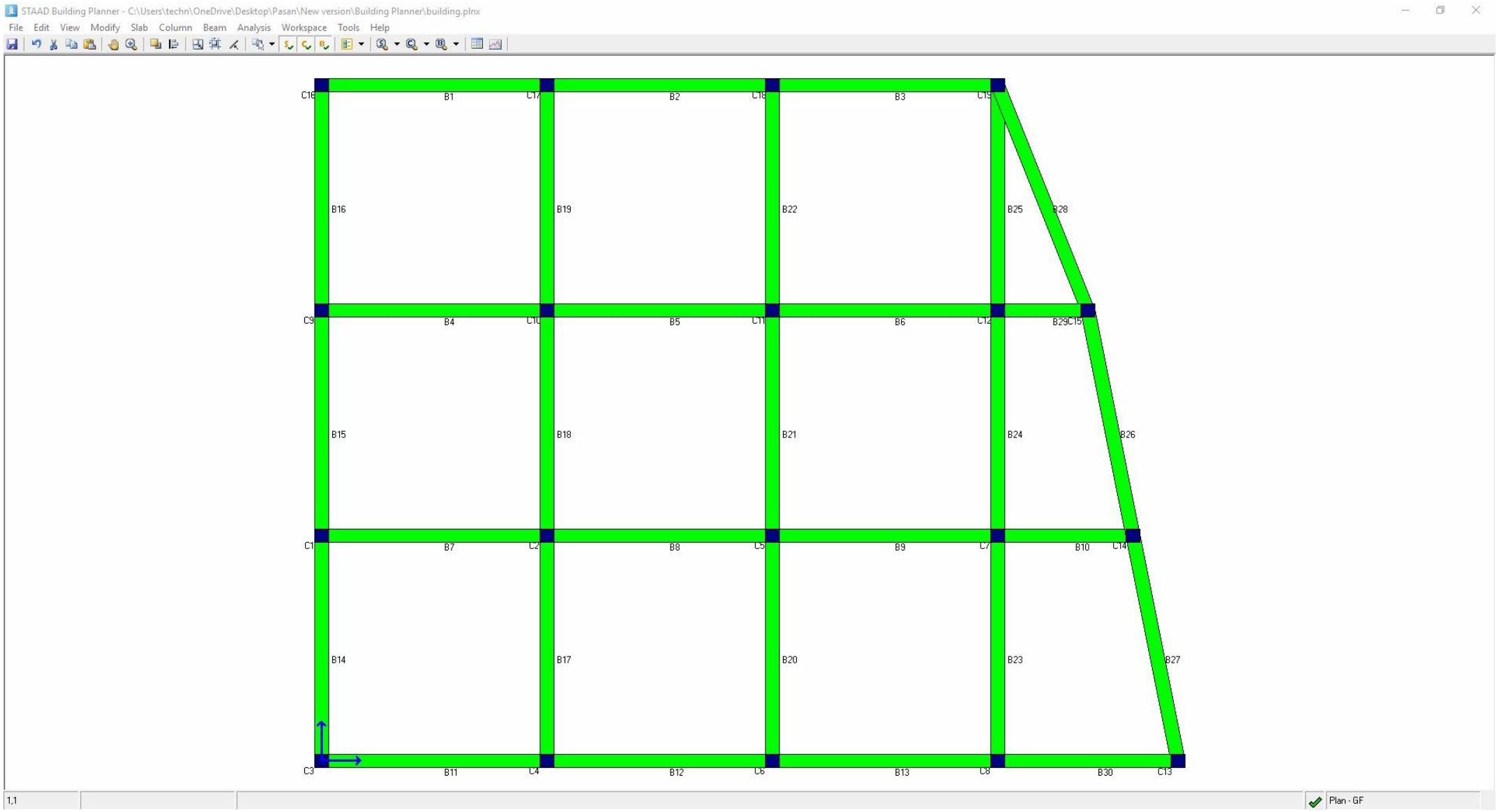
Physical Modeller

- Static Loading
- Interop with ISM
- Connection Tags

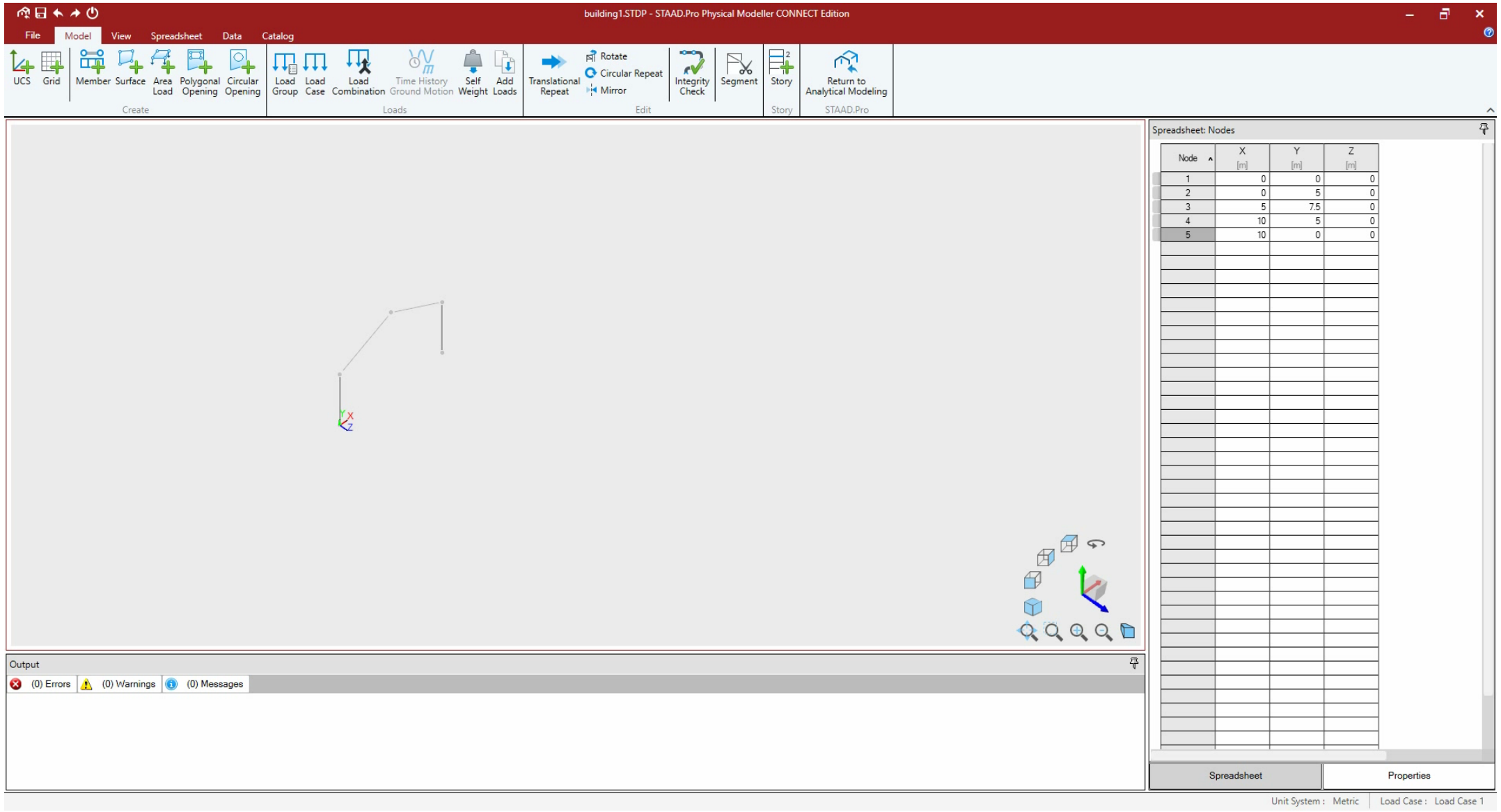




STAAD Building Planner



Physical Modeler..



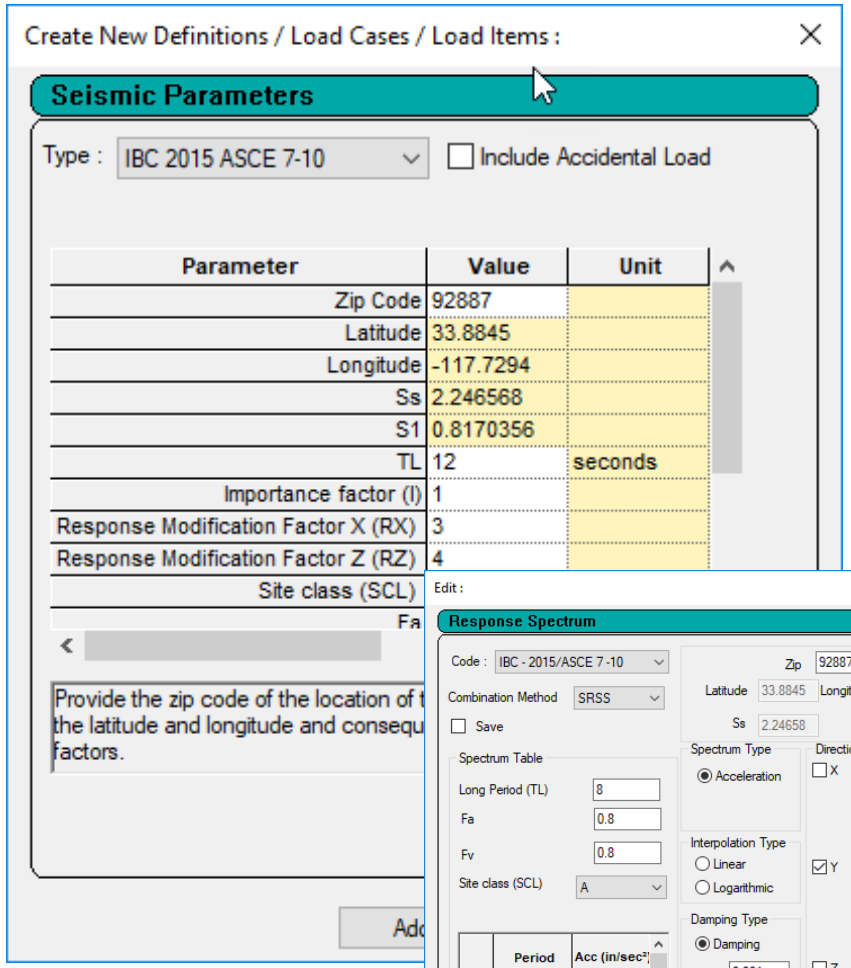
Design codes

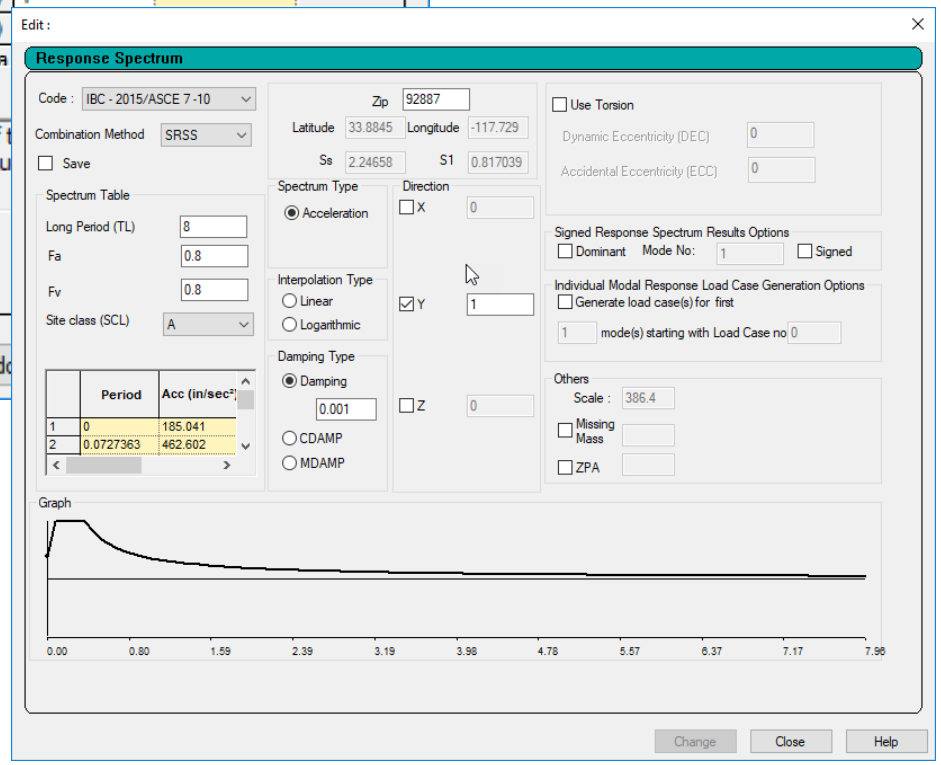
- **More than 90 International design codes**
- **AISC 360 – 16**
  - **HSS Design**
  - **Enhanced Torsion**
- ACI 318 – 14
  - Metric
- **IS 13920**
  - **2016 Edition**

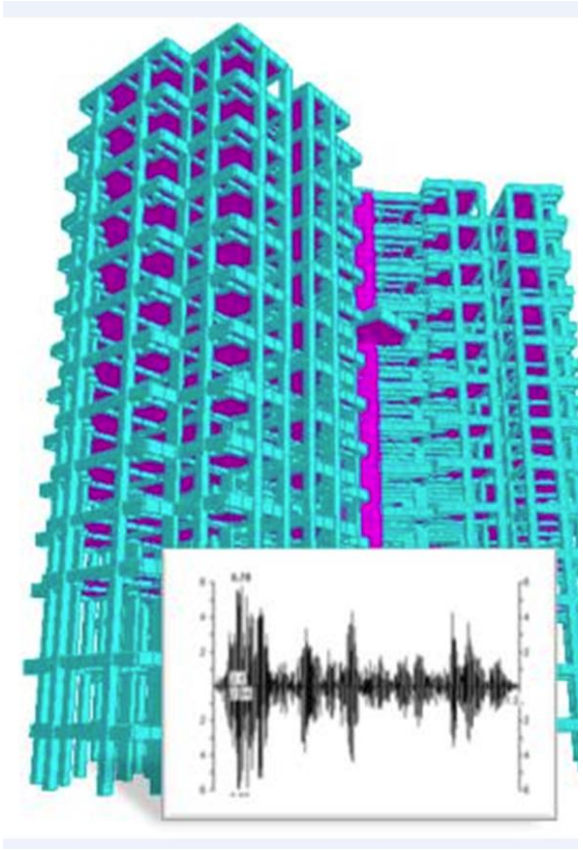
Seismic Loading

- IBC 2015 / ASCE 07 – 10
  - Static Seismic
  - Response Spectrum

- **IS 1893 – 2016**
  - **Static Seismic**
  - **Response Spectrum**





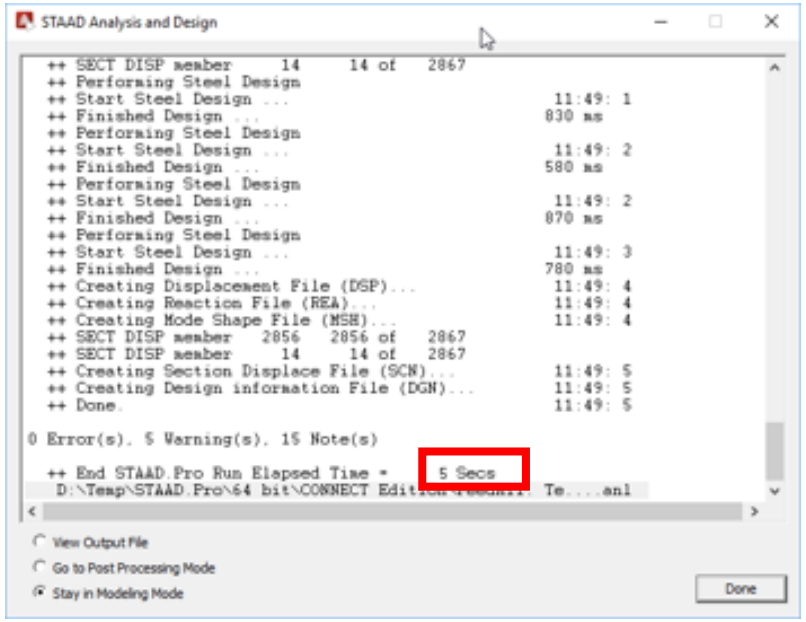


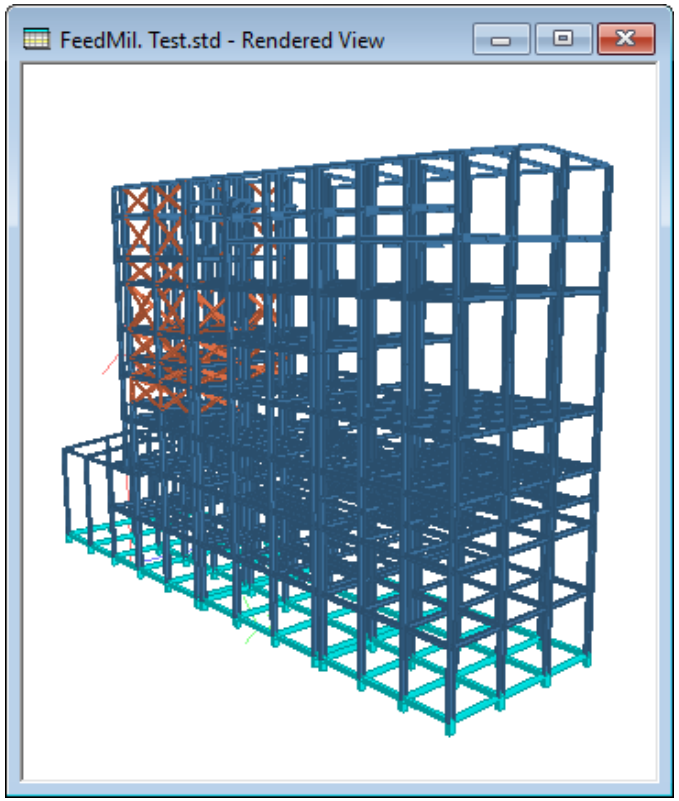
STAAD.Pro Advanced

- Faster 64-bit, **multi-core advanced solver** for larger models with many load cases
- Geometric Non Linear (GNL)
- Non-linear cable
- Dynamic steady state
- Advanced buckling
- Floor Response Spectrum
- Alternative Methods for Eigen Solution i.e. Lanczos-Arnoldi, Ritz Vector

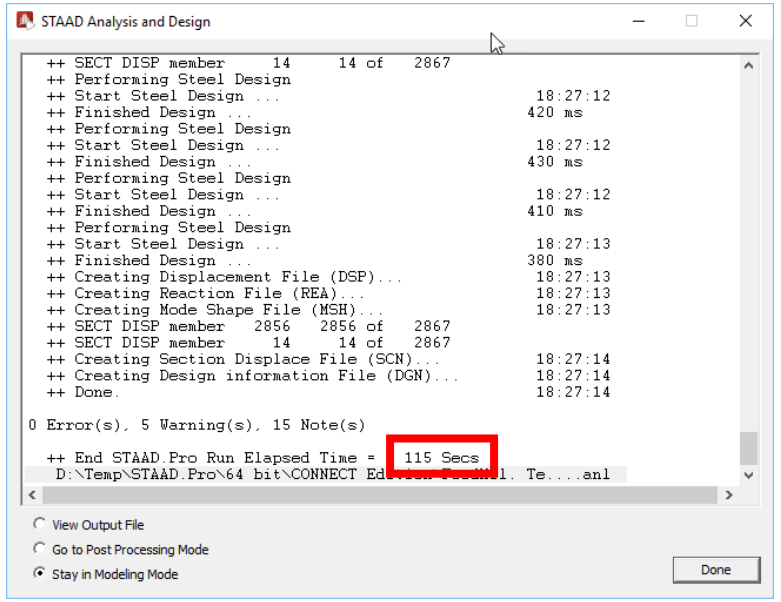
CONNECT Edition Comparison

STAAD.Pro Advanced CONNECT





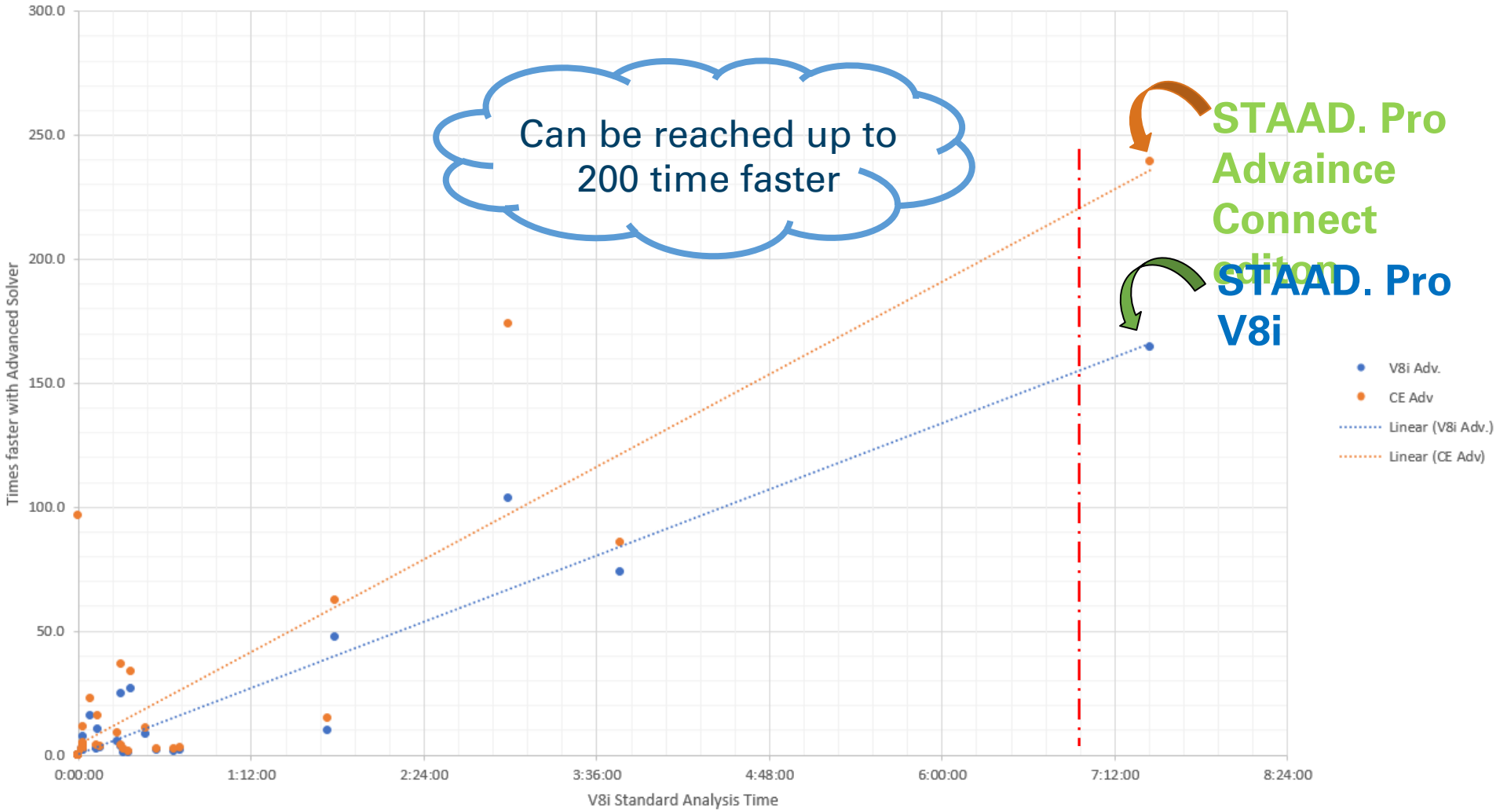
STAAD.Pro Standard CONNECT

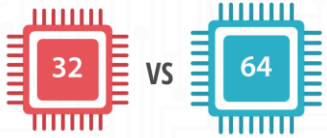


$$\frac{115}{4.6} * 100 = 2500\%$$

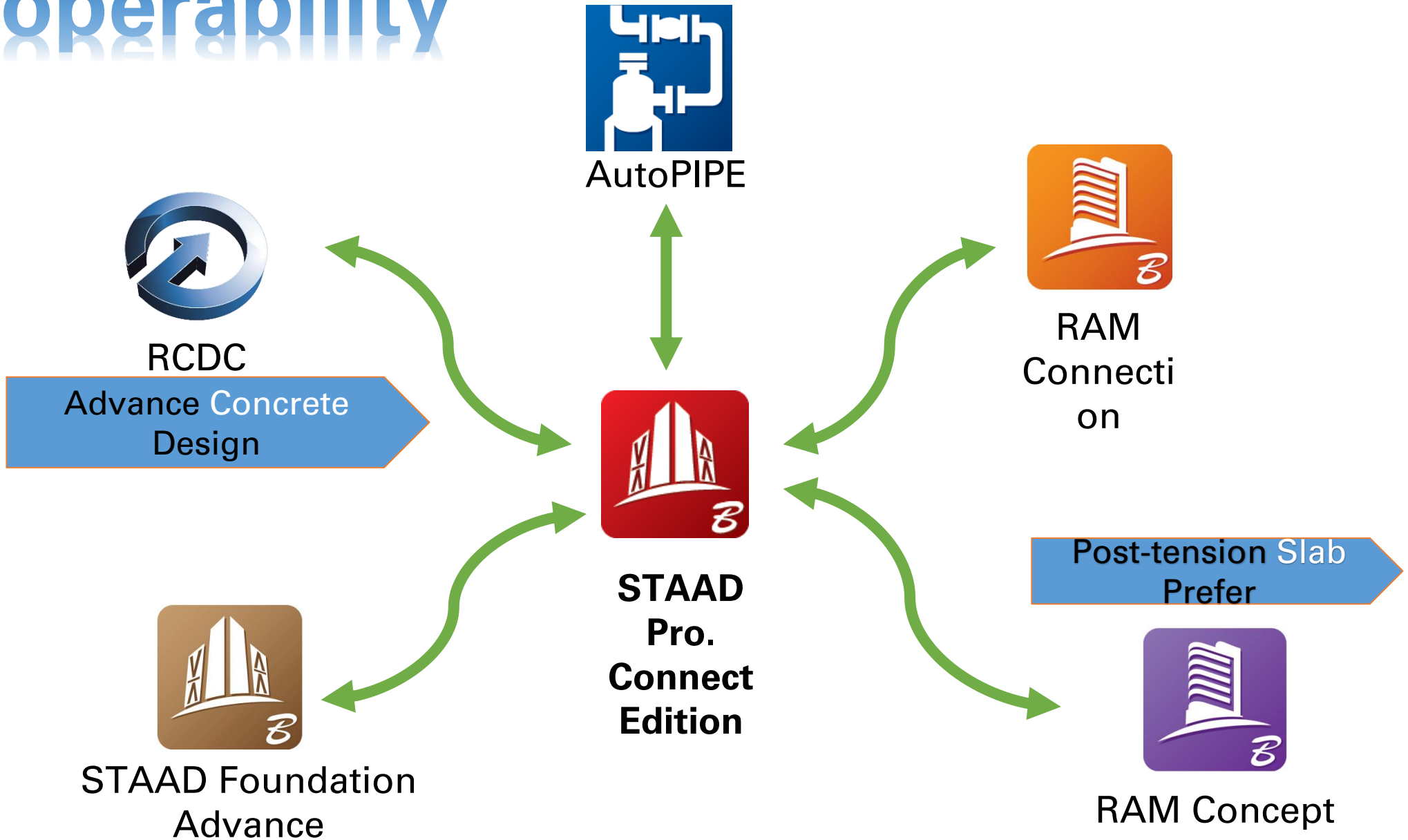
Advanced is on average
25 times faster
than the **Standard** version.

Connect Edition(Advance) vs. V8i SS6





Interoperability



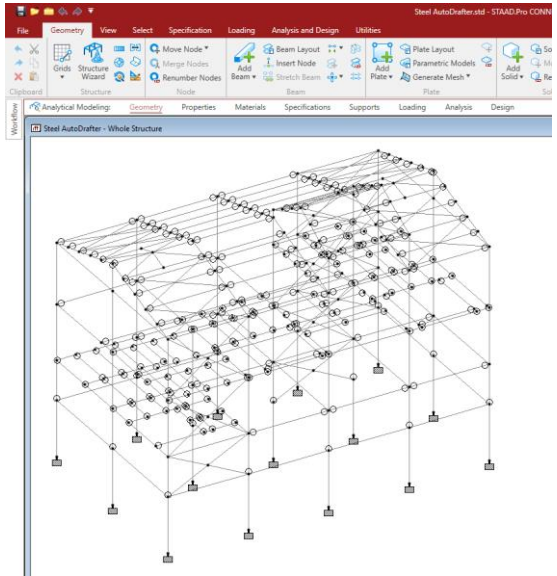
Steel AutoDrafter

Drawing | Documentation

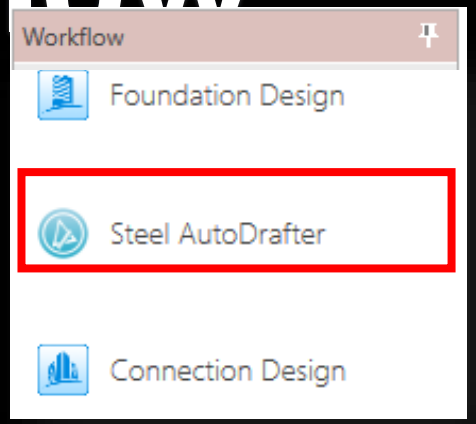
Steel AutoDrafter converts the analysis model into working design drawings.

Can generate

- Plans
- Sections
- Projected views of steel structure



Work Flow



STAAD Pro. Connect Edition

Steel Auto[illegible]after

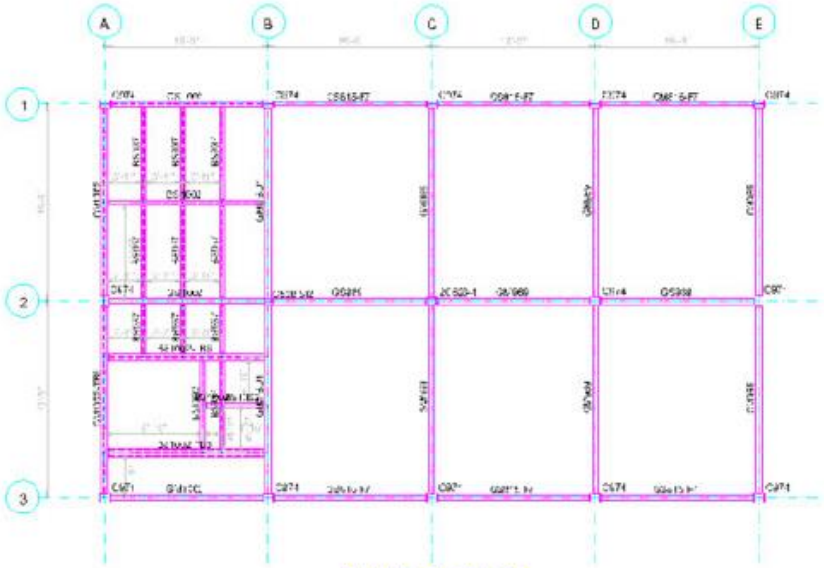
MicroStation

DraftSiht

AutoCAD

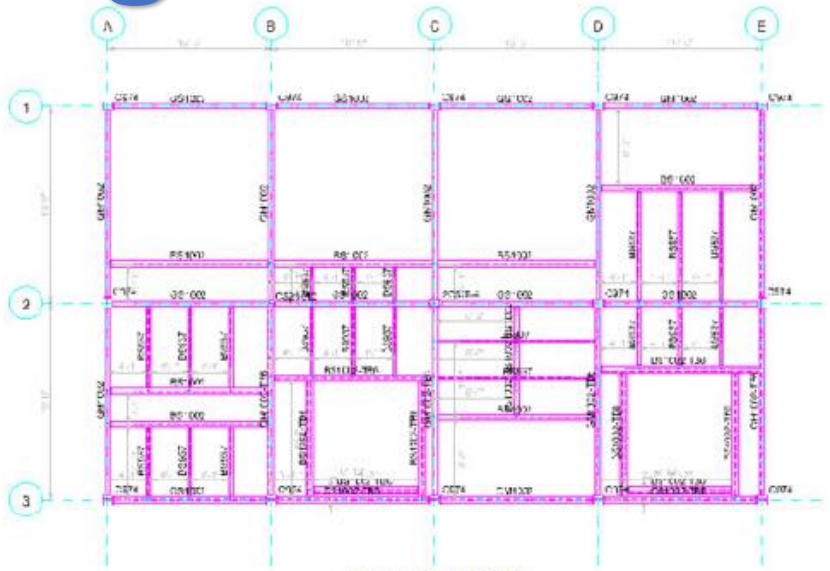
ZWCAD

Drawings



PLAN AT EL:2 (TOS)

(SCALE 1:100)

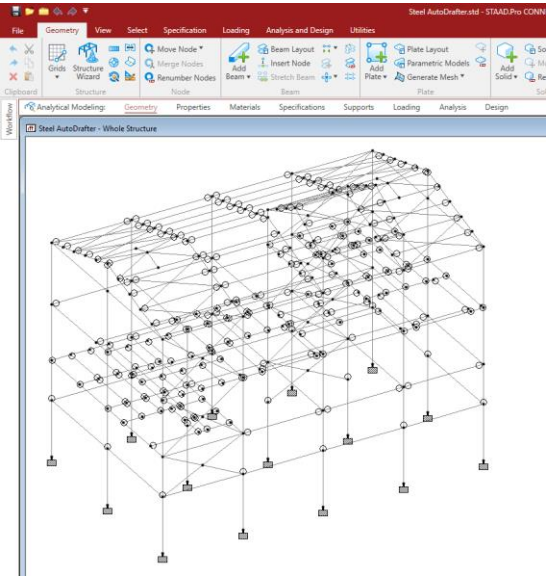


PLAN AT EL:3 (TOS)

(SCALE 1:100)

PLAN AT EL:ROOF (TOS)

(SCALE 1:100)



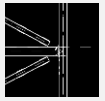
Some other Unique Features

Identifies trusses and portals frames and generates 2D drawing from a wire frame model

Auto correction of joints

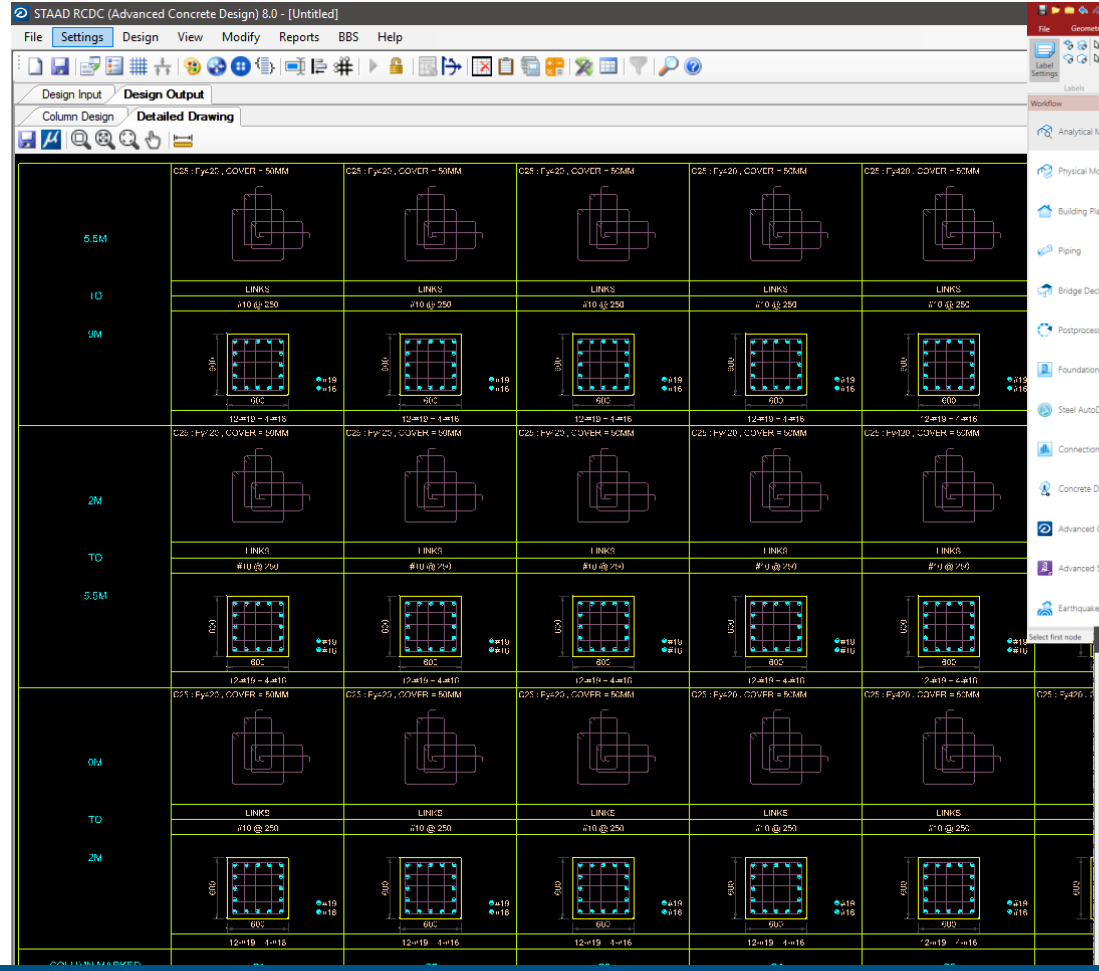
Recognizes and draws built-up sections

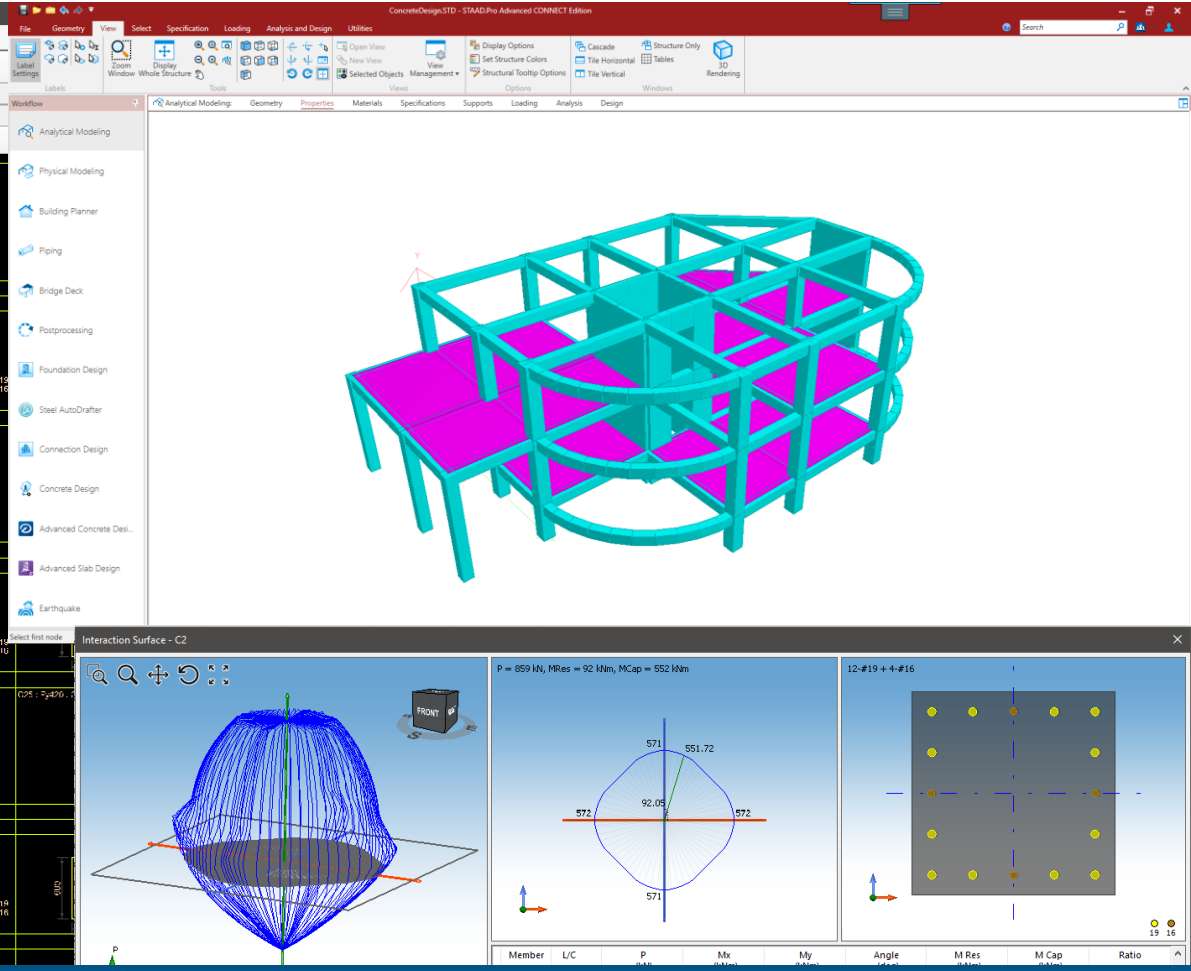
Intersecting members are identified



Auto off-sets member and exact elevation

Multiple presentation styles and drawing style control

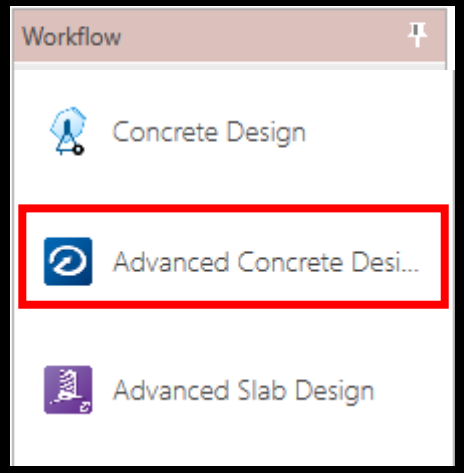




RCDC

Design | Drawing | Documentation

Work Flow



ETABS

RAMSS

STAAD Pro. Connect Edition

RCDC

REPORT

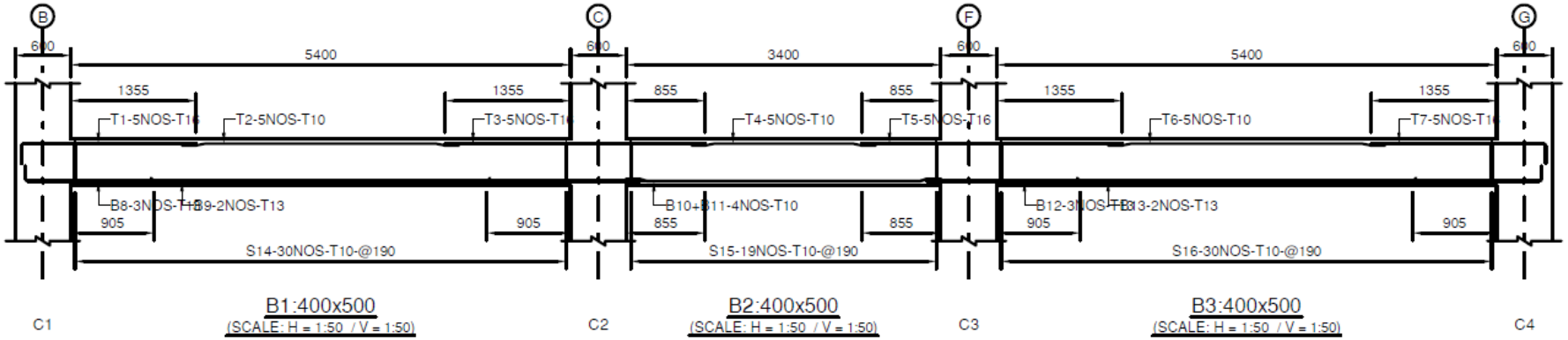
MicroStation

DraftSight

AutoCAD

ZWCAD

Drawings & BBS



B1:400x500 (SCALE: H = 1:50 / V = 1:50)

B2:400x500 (SCALE: H = 1:50 / V = 1:50)

B3:400x500 (SCALE: H = 1:50 / V = 1:50)

ELEMENT	BAR MARK	BAR NOS.	REBAR	BAR SHAPE	CUTTING LENGTH mm	DIMENSIONS (mm)							
						A	B	C	D	E	F	G	R
B1, B2 B3	T1	5	16		2065	215	1888						48
	T2	5	10		2995	150	97	16	2500	16	97	150	
	T3	5	16		2810	2810							
	T4	5	10		1995	150	97	16	1500	16	97	150	
	T5	5	16		2810	2810							
	T6	5	10		2995	150	97	16	2500	16	97	150	
	T7	5	16		2065	215	1888						48
	B8	3	13		6770	163	6636						39
	B9	2	13		3590	3590							
	B10	1	10		3555	3324	78	13	150				
	B11	3	10		3405	150	78	13	2948	13	78	150	
	B12	3	13		6770	163	6636						39
	B13	2	13		3590	3590							
	S14	30	10		1710	320	420						30
	S15	19	10		1710	320	420						30
	S16	30	10		1710	320	420						30

SUMMARY : B1, B2, B3

REBAR	10	13	16	TOTAL
LGT(m)	188	54	48	290
WT(kg)	105	54	76	235