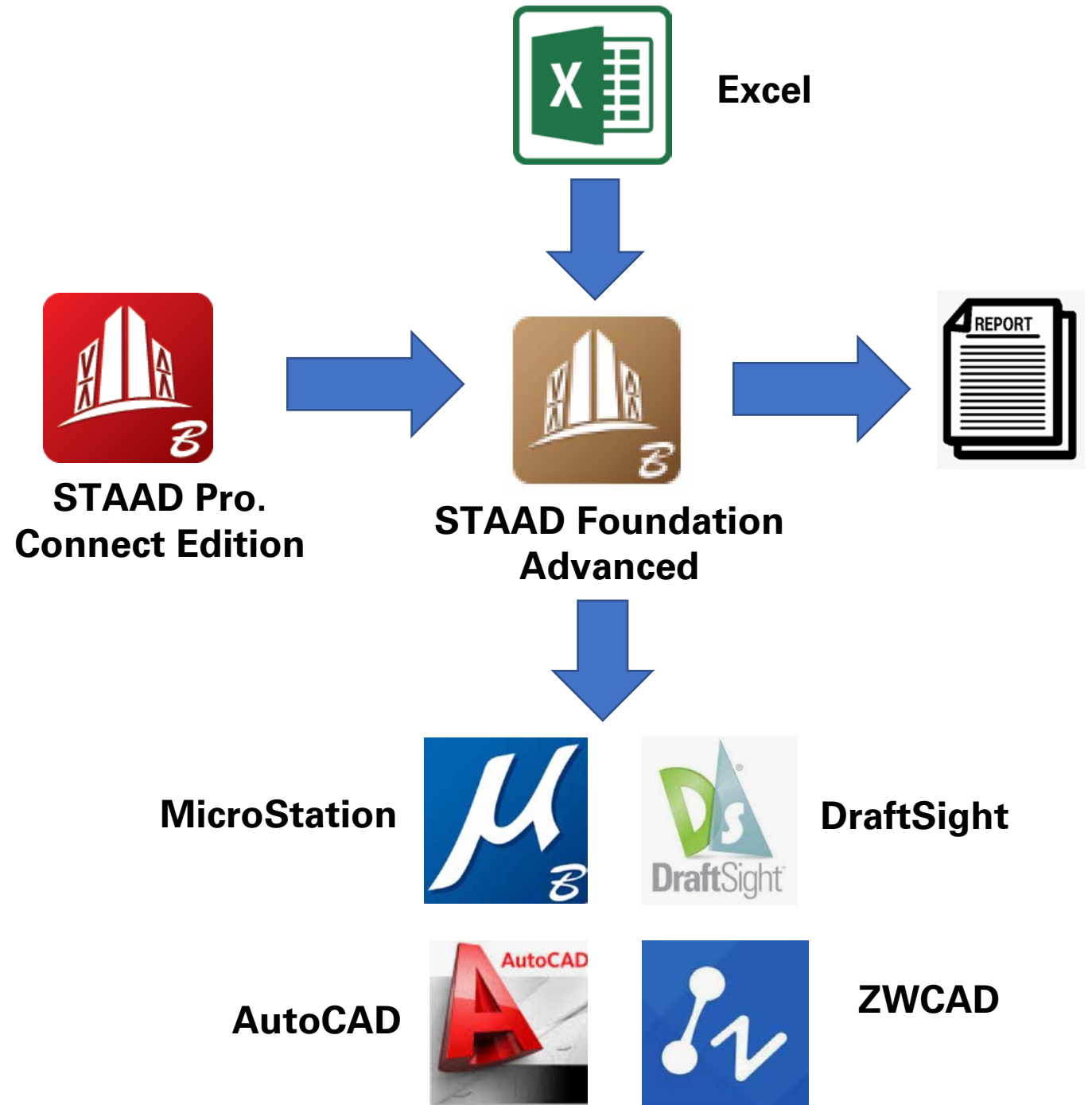
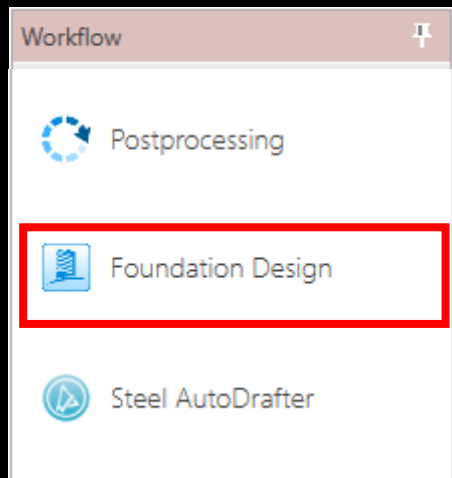


STAAD Foundation Advance

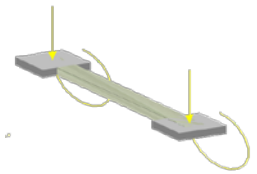
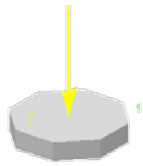
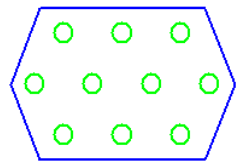
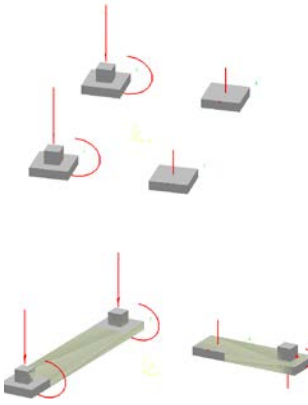
Design | Drawing | Documentation

Work Flow

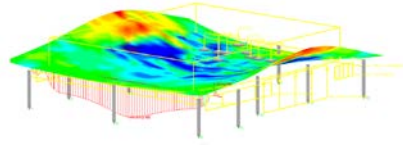


Basic Foundations

Module	Design Codes	Pedestal Design	Dynamic Sketches
Isolated	ACI 318-14, 11, 05 BS 8110, IS 456-2000, AS 3600-2004, CSAA 23.3-04, EN 1992-1-1-2004	ACI 318-14, 11, 05 BS 8110, IS 456-2000 EN 1992-1-1-2004	ACI 318-14, 11, 05
Combined	ACI 318-14, 11, 05 BS 8110, IS 456-2000, AS 3600-2004, CSAA 23.3-04, EN 1992-1-1-2004	ACI 318-14, 11, 05 BS 8110, IS 456-2000	ACI 318-14, 11, 05
Pilecap	ACI 318-14, 11, 05 BS 8110, IS 456-2000,	ACI 318-14, 11, 05 BS 8110, IS 456-2000	-
Octagonal	ACI 318-14, 11, 05	ACI 318-14, 11, 05	-
Strap	ACI 318-14, 11, 05	ACI 318-14, 11, 05	-



Advanced Foundations

Module	Analysis/Modeling Specialties	Design Specialties	Reporting Specialties
Mat 	Auto meshing with quad, triangular or mixed plate shape option; any shape of mat with holes and different thickness; conversion of plate moments to global moments	ACI 318-14, 11, 05 BS 8110, IS 456-2000, AS 3600-2004, CSA A 23.3-04, EN 1992-1-1-2004 Pedestal Design Grade Beam Design	Detailed calculation sheet with code references
Vibrating Machine Foundation	Auto generated solids; auto generated dynamic loads	- (only analysis)	Dynamic graphs per ACI351
Lateral Analysis of Drilled Pier	Multiple soil layers, multiple concrete sections; Dual non-linear analysis; p-y curve generation for soil; non-linear concrete section	- (only analysis)	Detailed calculation sheet; P-Y, deflection, moment-curvature graphs

Specialized Plant Foundations



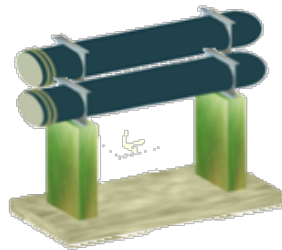
Vertical Vessel Foundation

- Octagonal & Square
- On Soil & On Pile



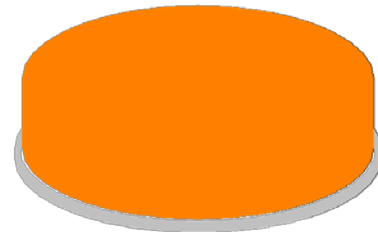
Horizontal Vessel Foundation

- Combined & Isolated
- On Soil & On Pile



Annular Ringwall Foundation

- Self Anchored
- Mechanically Anchored (7.0)



Lateral Drilled Pier Analysis

- Multiple soil layers
- Dual Non-linear

