

SLIDE

Structural Layout Designer



www.shear3d.com

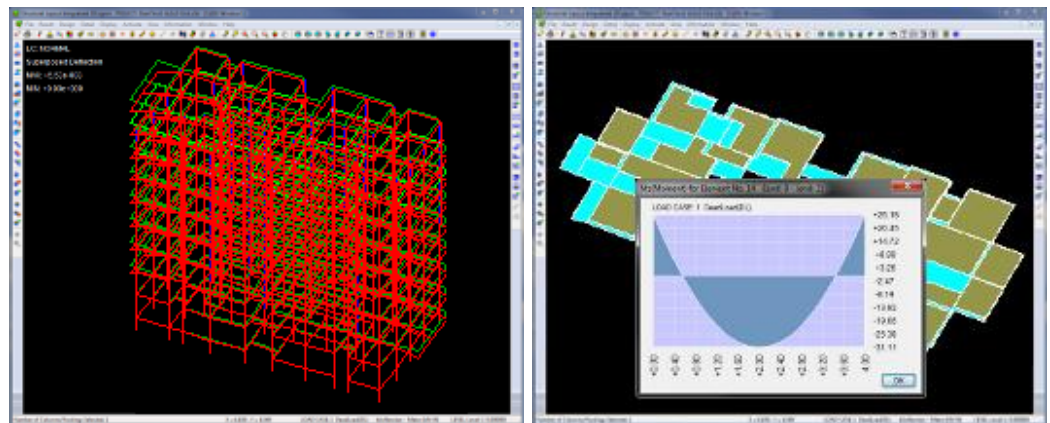
Welcome to Shear3D Consulting. Home to Structural Engineering Professionals.

Product Information Brochure



Structural Integrated Designer (SLIDE™) is an application that is integrated with SLAM and ANAPRO to post-process results, response visualization, design and detail building structures as per Indian Standard. SLAM provides extensive features to cater to the needs of structural engineers design process.

SLIDE can be used to post-process the analysis result to understand the behavior and design RC buildings as per Indian Standards. It provides the ability to design structural elements interactively or in a fully automatic process. SLIDE also generates structural layout and detailed drawings to reduce overall time in the design process.



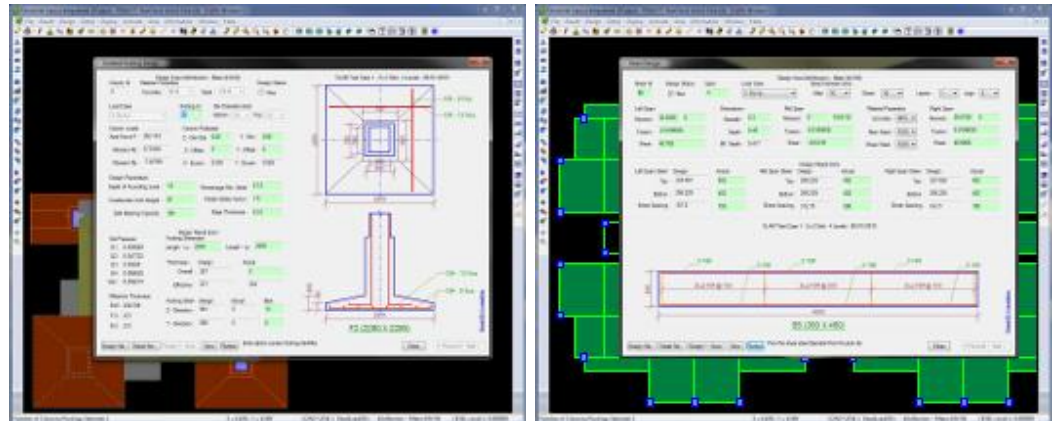
SLIDE is designed to allow flexibility to design structural elements interactively or in a completely automated process. SLIDE provides the following features for structural design.

- Design elements interactively or automatically
- Auto design by level or whole structure
- Design and detailing of elements individually/groups/auto
- Design of isolated and combined footings
- Design and detailing of beam as individual or continuous
- Design and detailing of columns as individual or across levels
- Auto detailing of footings, columns, beams, slabs and stairs
- Settings to control and fine tune reinforcement details
- Modification of auto generated reinforcement details interactively
- Generation of footing, beam, lintel layout drawings
- Generation of footing, column, beam, slab and stair detail drawings
- Design detail output to files for report generation

STRIP provides the following features for response visualization to understand the behavior of the structure.

- Integrated with SLAM and ANAPRO for result post-processing
- Deflected shape of the structure

- Deflection and Stress contour diagrams
- Structure Animation
- Bending Moment and Shear Force diagrams
- Force fringes of Truss and Beam elements



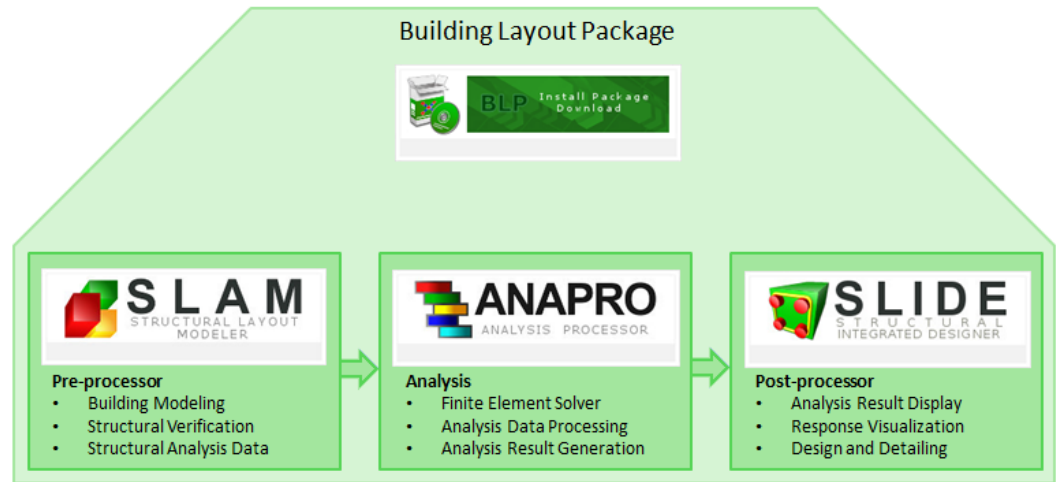
SLIDE provides the following features for structural model visualization, verification for accuracy to derive accurate and consistent analysis results.

- Structural element activation for display by element attributes
- Element identification by multi-color display
- Element/Node numbering
- Element information display
- Hidden line removal
- Shrunk element display
- Graphical restraint and force display
- Boundary line display
- Multiple window display
- Results in DXF format for graphical presentation
- Hard copy prints of graphical display



Solution Package

SLAM is released as part of Building Layout Structure Package. This package includes applications that provide user friendly interface that enables engineers to model, analyze, design and detail RC multilevel structures with ease and efficiency, increasing accuracy, confidence and reducing overall time.



About Software Products

We share decades of experience in consulting and software development, in the form of convenient and efficient structural engineering software applications, to solve every day structural engineering challenges with ease and confidence. These applications help to take a structural engineering problem from conceptual creation to engineering analysis to final design and drawings. They have been proven by use in modeling, analysis and design of small to large projects by practicing structural engineers in-house and other reputed consulting companies.

All applications are designed to help structural engineers and provide:

- End to End solution for structural engineering problems
- Easy to use user interface with least learning curve
- Detailed online help documentation access
- Eliminate monotonous tedious tasks and eliminate errors
- Analyze and Design structures with ease and confidence
- Reduce turnaround time and provide timely service to clients

Software Products

Shear3D Consulting has a full set of comprehensive structural engineering applications.

Overviews



Dialog based interactive application to quickly design /verify / detail individual structural components. BEAM, COLUMN, SLAB, ISOLATED FOOTING and COMBINED FOOTING. -- FREE Design Modules –



Application to model general structures for structural analysis. Leverages DXF format to convert CAD model to structural models. Provides pre-processing features to verify accuracy of modeling.



Finite element method based solver to analyze structural models. Provides Truss, Beam, Spring, Plate/Shell elements needed to simulate and analyze normal structures by structural engineers



Application to post-process structural analysis data. Provides extensive set of features to understand the behavior of structures. Designed to work with other 3rd party structural model and analysis tools using neutral format.



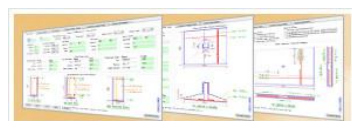
Application to model multi-level RC frame-slab building structures subject to static and seismic load conditions as per IS code requirements. Provides features for easy and accurate modeling, with reduced modeling time.



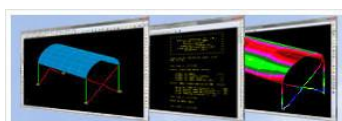
Application to design and detail RC structure as per IS code in an interactive or automated environment. Provides features to post-process analysis data to understand the behavior of structure, design and generate detailed drawings.

Software Solutions

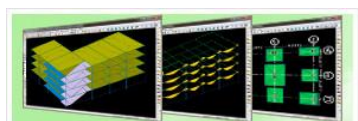
We provide software solutions to the needs of structural engineers. Our solutions are packaged in three convenient forms catering to the various levels of solution required by structural engineers.



This package includes applications that provide user friendly interface to design, verify and detail individual structural components in an interactive environment. Very useful for everyday quick design and checking..



This package includes applications that provide user friendly interface that enable engineers to model, preprocess, analyze and postprocess general structures. Provides DXF interface to leverage CAD data as input for modeling and output for reporting..



This package includes applications that provide user friendly interface that enable engineers to model, analyze, design and detail RC multilevel structures with ease and efficiency, increasing accuracy, confidence and reducing overall time..

Contact

Please visit us on the web at www.shear3d.com for more details on comprehensive solutions offered by Shear3D Consulting. If you have questions, please contact us through email at info@shear3d.com.