



FRAMECAD®

Intermediate Software Training Academy

***FRAMECAD IS PLEASED TO OFFER
A THREE DAY COURSE TO DEVELOP YOUR SKILLS IN THE
FRAMECAD SOFTWARE SUITE-STRUCTURE AND DETAILER***

WHERE: 5500 TRIANGLE PARKWAY NW SUITE 100, NORCROSS, GA 30092

WHEN: FEBRUARY 26 to 28, 2018

INTERMEDIATE PROGRAM OUTLINE

OBJECTIVE OF THE COURSE:

This 3-day basic software training course will increase your knowledge and further develop your skills to get the best out of FRAMECAD Structure and Detailer software including practical and technical tips.

This course is designed mainly for those with existing FRAMECAD software experience (Structure or Pro Design) and would like to further advance their software capabilities.

THE COURSE:

This 3-day training course covers 2 Software Packages:

FRAMECAD Structure is CAD based software that allows for design and engineering capability for walls and trusses, complying with numerous international building standards (IBC, AS/NZS 1170, SANS, EN, etc.) and steel codes (such as AISI, AS/NZS 4600, SANS, EN, etc.).

FRAMECAD Structure allows for full environmental conditions such as various wind zones, roof loads, snow loads and seismic conditions; while allowing users to optimize designs for the best use of material while remaining structurally sound.

FRAMECAD Structure is backed by supporting documentation, which focuses on methodology of design, design tables and sectional properties, all customized to your section profile, steel grade and gauge, and local environmental conditions.

FRAMECAD Structure is integrated with FRAMECAD Detailer to then detail the plans ready for manufacture by the FRAMECAD manufacturing plant.

FRAMECAD Detailer is an advanced detailing software package that allows a steel frame manufacturing operation to be modelled from scratch ready for manufacture, walls, roof trusses or roof panels and webbed sub-floors, or convert an architect's concept into detailed building plans ready for manufacture by FRAMECAD manufacturing plant.

FRAMECAD Detailer is fully integrated with the factory control system - FRAMECAD Factory, allowing transmission of building plans directly from design (using FRAMECAD Structure), to manufacturing and assembly integrating the manufacturing and design process seamlessly to increase production efficiencies.

REQUIREMENTS FROM ATTENDEES:

All attendees are required to:

- Be AutoCAD proficient users
- Ideally have a basic level of proficiency with Framacad Structure
- Must be familiar with construction practices
- Have completed the basic FRAMECAD Structure training successfully
- Bring their laptop computer and mouse to this course
- Actively participate in the course exercises
- Bring software HASPS for BOTH Structure and Detailer
- Confirm their attendance at least 2 weeks in advance by filling in the registration form

ACCOMMODATION:

There are several hotels within a 5-mile radius of Academy facility. The hotel listed below is our affiliate hotel offering a group rate and is within walking distance of our facility. Transportation arrangements can be made upon request at the hotel. We are approximately 40 minutes from the Atlanta airport. Please arrange for your transportation to the hotel.

Residence Inn

5500 Triangle Dr NW

Norcross, GA 30092

AGENDA DAY 1:

8:45 AM – 9:15 AM	Introduction <ul style="list-style-type: none">AttendeesFRAMECAD
9:15 AM – 9:30 AM	Course Description and Layout
9:30 AM – 10:30 AM	Light Gauge Steel Design <ul style="list-style-type: none">Bracing (floor/wall/roof)Floor DiaphragmsWind/Seismic LoadingVertical LoadingConnectorsLogisticsConstruction Practices
10:30 AM – 10:45 AM	Coffee/Tea Break
10:45 AM – 12:00 PM	Case Study (G+1)
12:00 PM – 12:45 PM	Lunch
12:45 AM – 3:15 PM	FRAMECAD Structure Intermediate - Creating Wall Frame Layouts <ul style="list-style-type: none">Updates and How To'sBackground of FRAMECAD Structure SoftwareIntermediate CAD Skills and Hot KeysRaked WallsHRS Detailing
3:15 PM – 3:30 PM	Coffee Break
3:30 PM – 5:00 PM	FRAMECAD Structure Intermediates - Creating Truss Layout and Final Wall Framing Design

- Truss Layout Concept
- Radial Trusses
- Rafter Design
- RS Roof Shape
- Half Trusses

5:00 PM – 5:15 PM

Questions and Answers

AGENDA DAY 2:

8:30 AM – 9:00 AM

Review of Day 1

9:00 AM – 10:00 AM

Truss Design

- Truss Detailing and Analysis
- Truss Modification and Design

10:00 AM – 10:15 AM

Coffee Break

10:15 AM – 12:00 AM

Wall Frame Design (Lateral Loading)

- Bracing Methods
- Connection Methods
- Floor Joist Detailing & Engineering (Online Tool)

12:00 PM – 12:45 PM

Lunch

12:45 – 1:15 PM

Importing to FRAMECAD Detailer

- Import XML
- View and Check
- Intermediate 3D Model

1:15 PM – 2:45 PM

Roof Panels Detailing

2:45 PM – 3:00 PM

Coffee Break

3:00 PM – 4:45 PM

Completion of Sample Project Design

4:45 PM – 5:00 PM

Questions and Answers

5:00 PM

Adjourn

AGENDA DAY 3:

8:30 AM – 9:00 AM	Review of Days 1 and 2
9:00 AM – 10:30 AM	FRAMECAD Detailer Intermediate <ul style="list-style-type: none">• Machine Configuration Options• Tool Actions• Auto Extend• Layer Management• Import DWG Files
10:30 AM – 10:45 AM	Coffee Break
10:45 AM – 12:15 PM	Building Stair Case Wall Frames <ul style="list-style-type: none">• Assigning Properties• Editing• Ceiling Panel
12:15 PM – 1:00 PM	Lunch
1:00 PM – 2:30 PM	Building Stair Case Wall Frames <ul style="list-style-type: none">• Final Detailing
2:30 PM – 3:45 PM	Reporting and 3D Export
3:45 PM – 4:00 PM	Coffee Break
4:00 PM – 4:30 PM	Proficiency Test
4:30 PM – 5:00 PM	Review and Certificates
5:00 PM	Adjourn

FRAMECAD TRAINER

Alexander Beltran – *Design Engineer*

Alexander is a registered Civil/Structural Engineer, holds a Postgraduate Diploma in Construction Management and is close to obtaining a MSC Degree in Structural Engineering. Alexander has been working in the Design and Project Management of CFS Structures within the global FRAMECAD client network for the past 10 years. He also has extensive experience in commercial construction projects, hydroelectric power stations, contract administration of civil/infrastructure projects and prestressed bridge design. Alexander has worked on multi-million-dollar projects in New Zealand and has been supporting our Technical and Sales Teams in New Zealand, Middle East, North and South America. Alexander speaks English and Spanish.

FRAMECAD AMERICA – SALES TEAM:

Eng. Nader Elhaji – *Business Development Director – FRAMECAD Methods*

Nader is a structural engineer with over 30 years of design and construction experience, he is a registered Professional Engineer and holds a MS degree in Structural Engineering and an MBA. Nader has worked as an engineer in many aspects of commercial and residential construction and served as Director of Research for the NAHB.

Mr. Jonnathan Audiss – *North America West Sales Manager*

Jonnathan has over 30 years of light gauge steel project management and installation experience. From exterior façade to interior façade, Jonnathan has been a part of the many different applications of light gauge steel throughout the entire west coast. From Casino's to hospitals, Jonnathan has managed to oversee many aspects of light gauge steel and has been a valuable resource to FRAMECAD customers.

Mr. David Figueroa – *North America East Sales Manager*

David has been in commercial construction for over 18 years serving as Vice President of a contracting firm specializing in structural and cladding for mid-rise, educational, and multifamily projects throughout the Southeast. David has spearheaded many high-profile projects and understands the importance of speed and acceleration on projects that light gauge steel has to offer. David has helped FRAMECAD users integrate into the marketplace, helping them find their niche to succeed.

