ALIGN FIRE DESIGN GROUP LLC

Fire Protection Design Support for Contractors

Sprinkler & Standpipe Design
Hydraulic Calculations and Technical Coordination

Hands-on fire protection design support that works as an extension of your team.

11+ years
Fire protection experience

NICET I & II
Level III exams passed

CAD/BIM
AutoSPRINK, AutoCAD, Revit

Industrial, pharmaceutical, aerospace and logistics facilities
Shopping centers, retail and commercial buildings

AutoSPRINK, AutoCAD and Revit



Design, calculations and coordination **2026**

Technical Expertise

Sprinkler and standpipe design, hydraulic calculations and technical coordination.

An extension of your design team

Align supports contractors throughout the design process, from the available plans and project requirements to checked drawings and calculations. We raise questions early and coordinate with your team, including BIM coordination where applicable.

Technical contact
Clear communication throughout your project

11+
Years of fire protection design experience

300+
Projects supported through previous professional experience

Quality
Design Documents Checked Before Delivery

Scope and deliverables agreed before work begins.
PE review and stamped documents by others when required.

Design support for your project

- ✓ Sprinkler and standpipe layouts and shop drawings
- ✓ Hydraulic calculations and water supply analysis
- ✓ Design and modeling in AutoSPRINK, AutoCAD and Revit
- ✓ New construction, existing systems, and field revisions
- ✓ NFPA, FM Global and project-specific requirements
- ✓ Technical coordination, with BIM where applicable

Geoffrey Barrau | Technical background

NICET Water-Based Systems Layout
Level I & II Certified • Level III exams passed

Standards: NFPA, FM Global and client specifications

Additional international experience: NF/EN and APSAD

PROJECT EXPERIENCE

Church & Auditorium

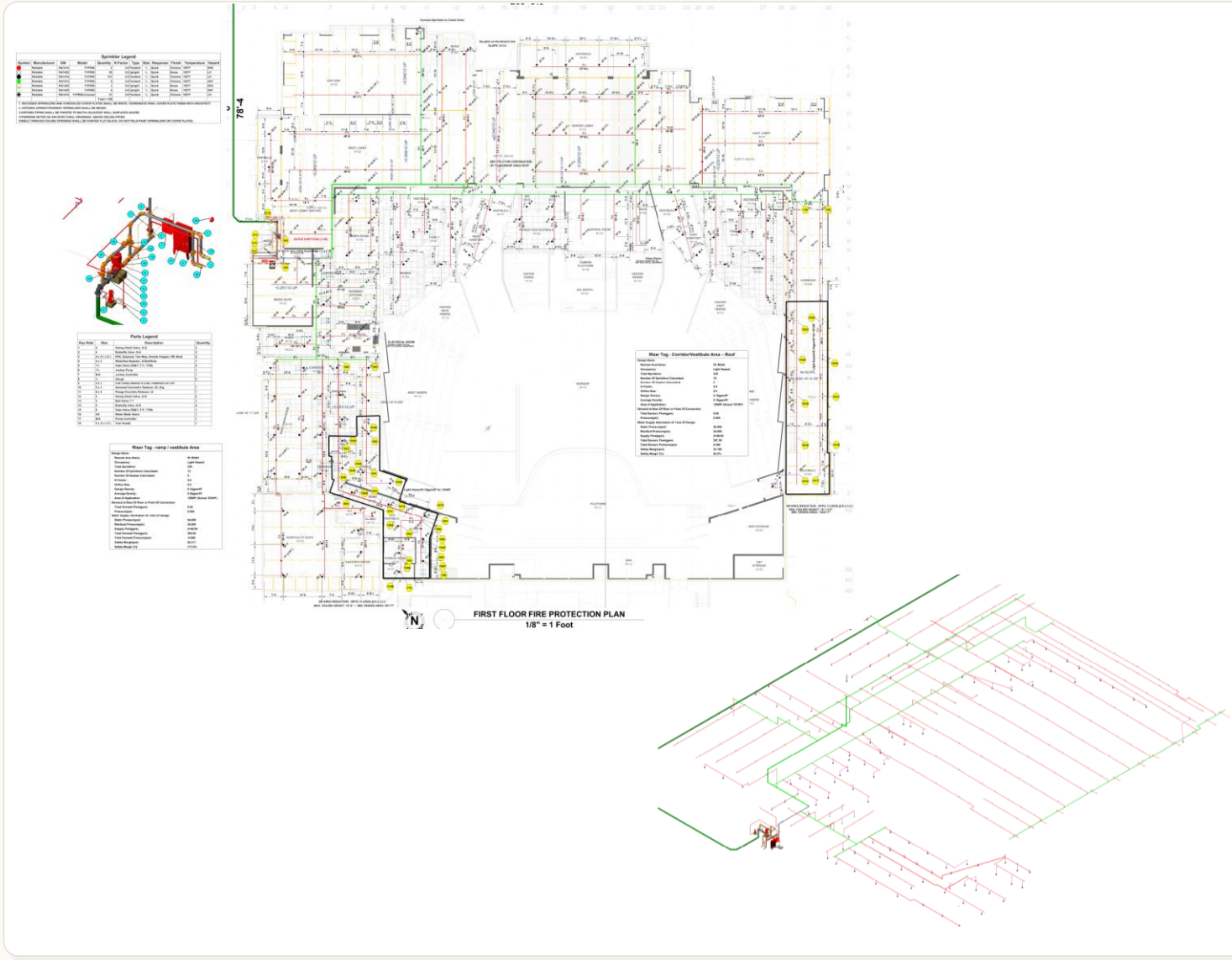
Jacksonville, Florida | Auditorium addition

AutoSPRINK design & calculations

- ✓ Sprinkler layouts and shop drawings
- ✓ Hydraulic calculations
- ✓ 3D fire pump and riser modeling

Developed in AutoSPRINK

335 sprinklers
500 GPM fire pump



Delivered by Align Fire Design Group.

PROJECT EXPERIENCE

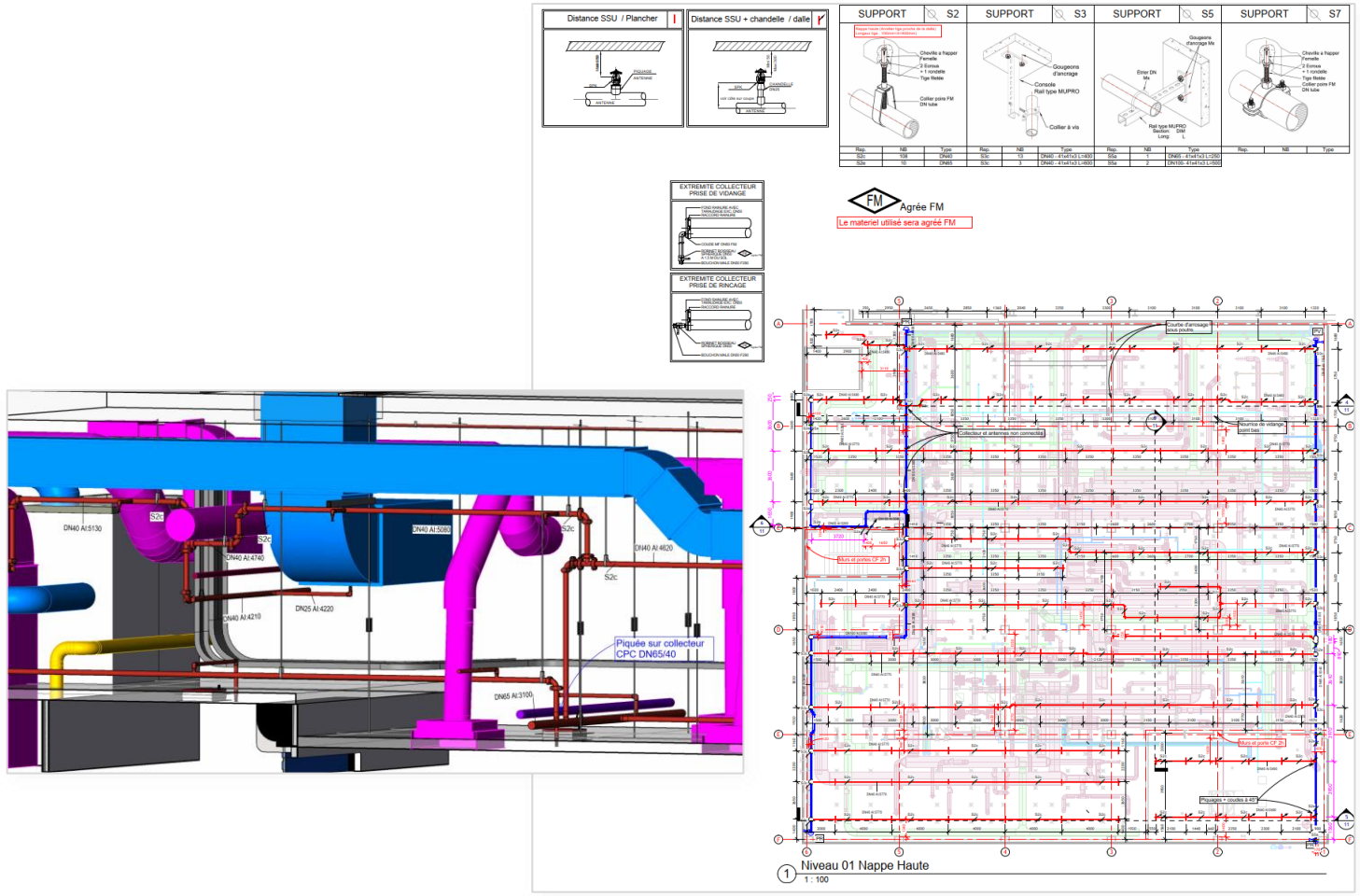
Pharmaceutical

France | Production building

Sprinkler design & BIM coordination

- ✓ Sprinkler coordination within dense building services
- ✓ 3D support modeling and protection beneath obstructions
- ✓ Coordinated drawings addressing project FM requirements
- ✓ Design support within a compressed project schedule

700+ sprinklers
FM requirements



Delivered through DEDALE GO, Geoffrey Barrau's French company.

PROJECT EXPERIENCE

Aerospace / Industrial

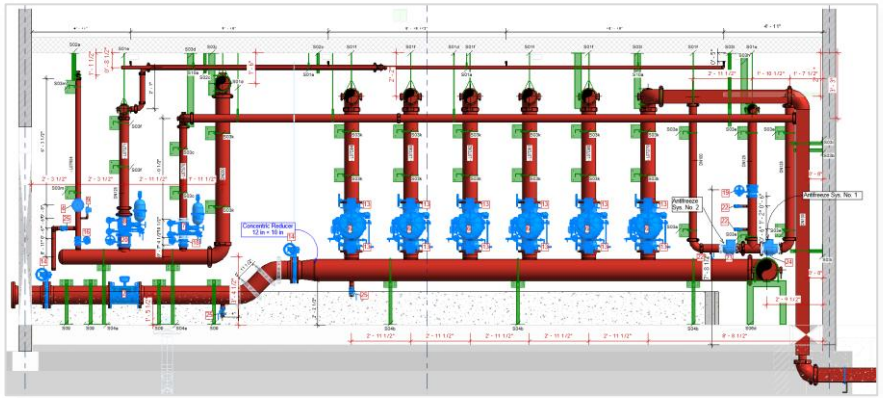
France | Water and foam-water protection

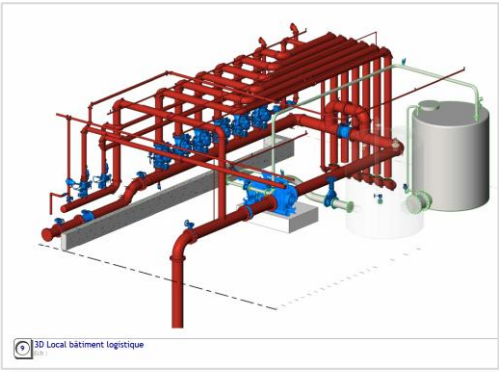
BIM coordination & hydraulics

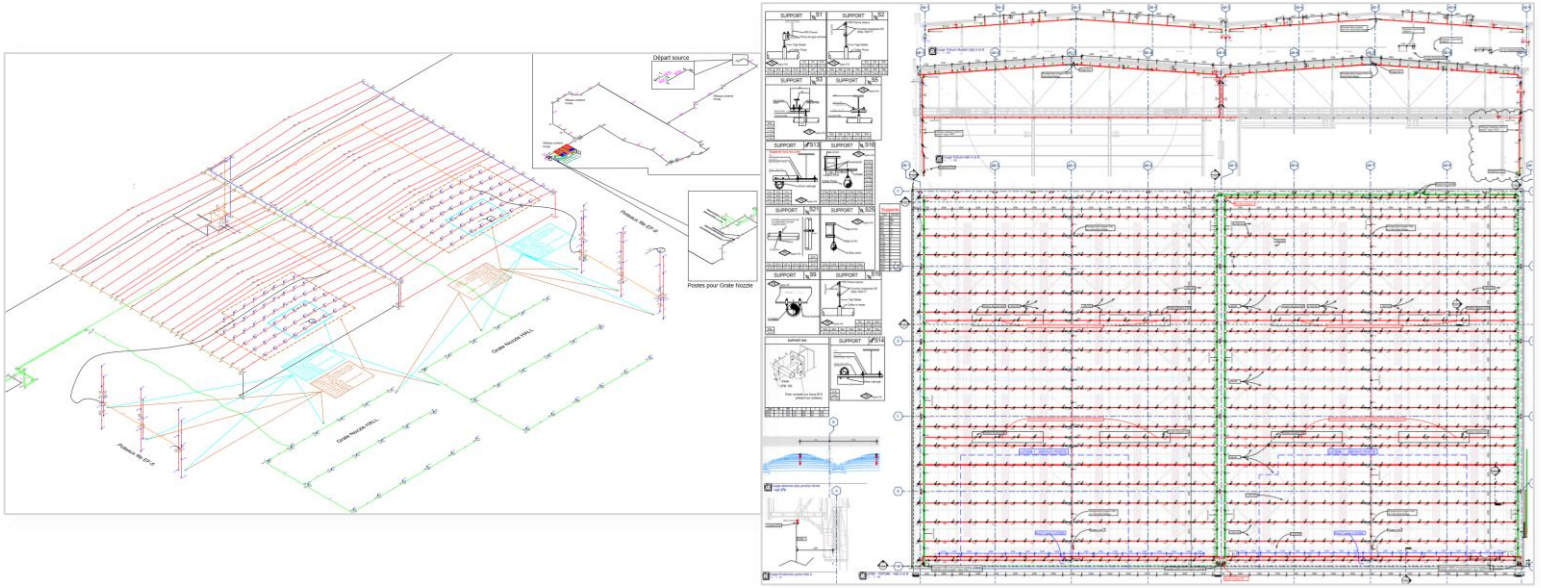
- ✓ FIREDOS FD20000 system, approximately 5,300 gpm
- ✓ Water and foam-water deluge design with grate nozzles
- ✓ BIM coordination with the other building trades
- ✓ Hydraulic calculations for multiple fire scenarios

NFPA 13 and NFPA 409
Client specifications

Delivered through DEDALE GO, Geoffrey Barrau's French company.







PROJECT EXPERIENCE

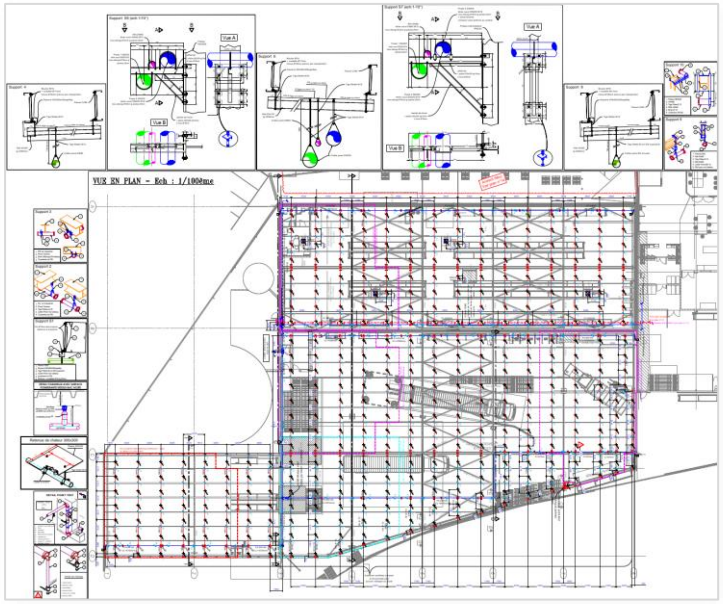
Commercial / Big-Box Retail

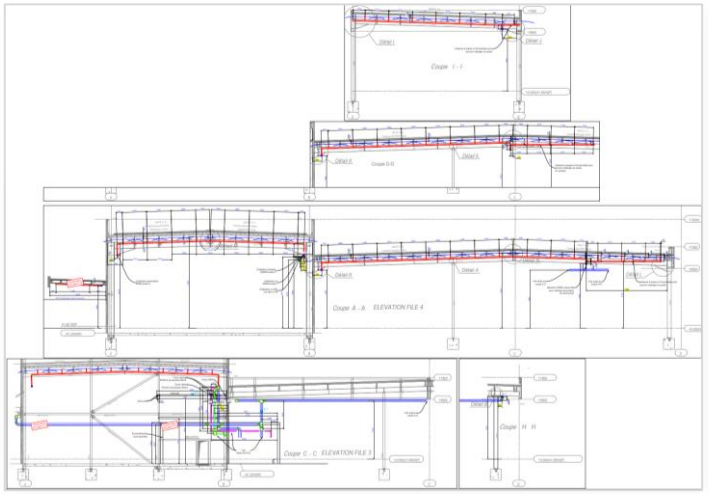
France | Retail and storage areas

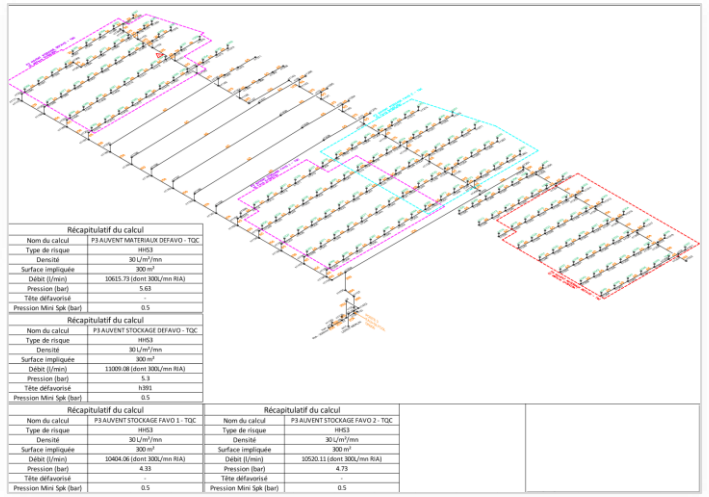
Shop drawings & hydraulic calculations

- ✓ Sprinkler layouts and shop drawings in AutoCAD
- ✓ Protection of retail and storage areas
- ✓ Installation details and construction sections
- ✓ Hydraulic calculations and network optimization

2,500+ sprinklers
FM requirements







Delivered through DEDALE GO, Geoffrey Barrau's French company.

Let’s discuss your project

Send your available plans and target schedule.
We’ll review the scope and prepare a proposal.

Email
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Phone
+1 (786) 300-1155

Website
alignfiredesign.com

LinkedIn
Align Fire Design Group

Location
Miami, FL and New York, NY
Remote support across the U.S.

Visit our website

Support throughout the design process

We agree on the scope and schedule, raise technical questions early, and coordinate with your team. Drawings and calculations are checked before delivery, with support for comments and revisions within the agreed scope.

Professional feedback

“The drawings are clear, precise and well structured, while the calculation reports are comprehensive and easy to check.”

Thierry S.
Fire protection consultant, industrial special hazards

Translated excerpt concerning work delivered by DEDALE GO, Geoffrey Barrau’s French company.