



SHELBURNE PIERSON LIBRARY & HISTORIC TOWN HALL

January 15, 2020



PROJECT TEAM

CLIENT: Town of Shelburne, Pierson Library

ARCHITECTURE: Vermont Integrated Architecture, P.C.

LIBRARY CONSULTING: Barbara Doyle-Wilch

CIVIL ENGINEER: Engineering Ventures, P.C.

STRUCTURAL ENGINEER: Engineering Ventures, P.C.

MEP+FP ENGINEER: LN Consulting, Inc.

ENERGY CONSULTING: Energy Balance

ENVELOPE CONSULTING: BVH Integrated Services

COMMISSIONING: CX Associates

GEOTECHNICAL ENGINEER: S.W. Cole, Inc.

LANDSCAPE DESIGN: Paintbox Gardens

EFFICIENCY VERMONT: Charlie Carpenter

CONSTRUCTION MANAGER: Neagley & Chase Construction Company

Countless Community Members, Subcontractors, and Vendors



Population 7144-7759 • 27.6% under 18 • 3.9% 18 - 24 • 25.9% 25 - 44 • 27.2% 45 - 64 • 15.4% 65 and over

Project Goals:

- Build a 21st century library.
- Conserve and protect the historic Town Hall.
- Strengthen the commercial, civic, and social center of Shelburne Village.



EXISTING CONDITIONS

Site:

- Inefficient parking and under utilized spaces.
- Indirect access for emergency services.
- Disconnected and unsafe pedestrian routes.
- Existing buildings of mixed historic character.
- Diverse mix of uses including municipal, library, retail, sport and recreation at central location











EXISTING CONDITIONS

Library Building:

- Under-sized, confined spaces.
- Water infiltration, damage, and associated dampness.
- Inefficient building envelope and mechanical systems.
- Difficult user access and circulation.
- Limited natural light.
- Inadequate stack space.
- Lacking energy efficiency.
- Lacking ADA accommodations.











EXISTING CONDITIONS

Historic Town Hall:

- Solid structure
- Historic significance
- Beautifully detailed public meeting space
- Poor lighting and acoustics
- Water infiltration into basement
- Water infiltration into roof and damage to ceiling
- Deferred maintenance
- Lacking energy efficiency

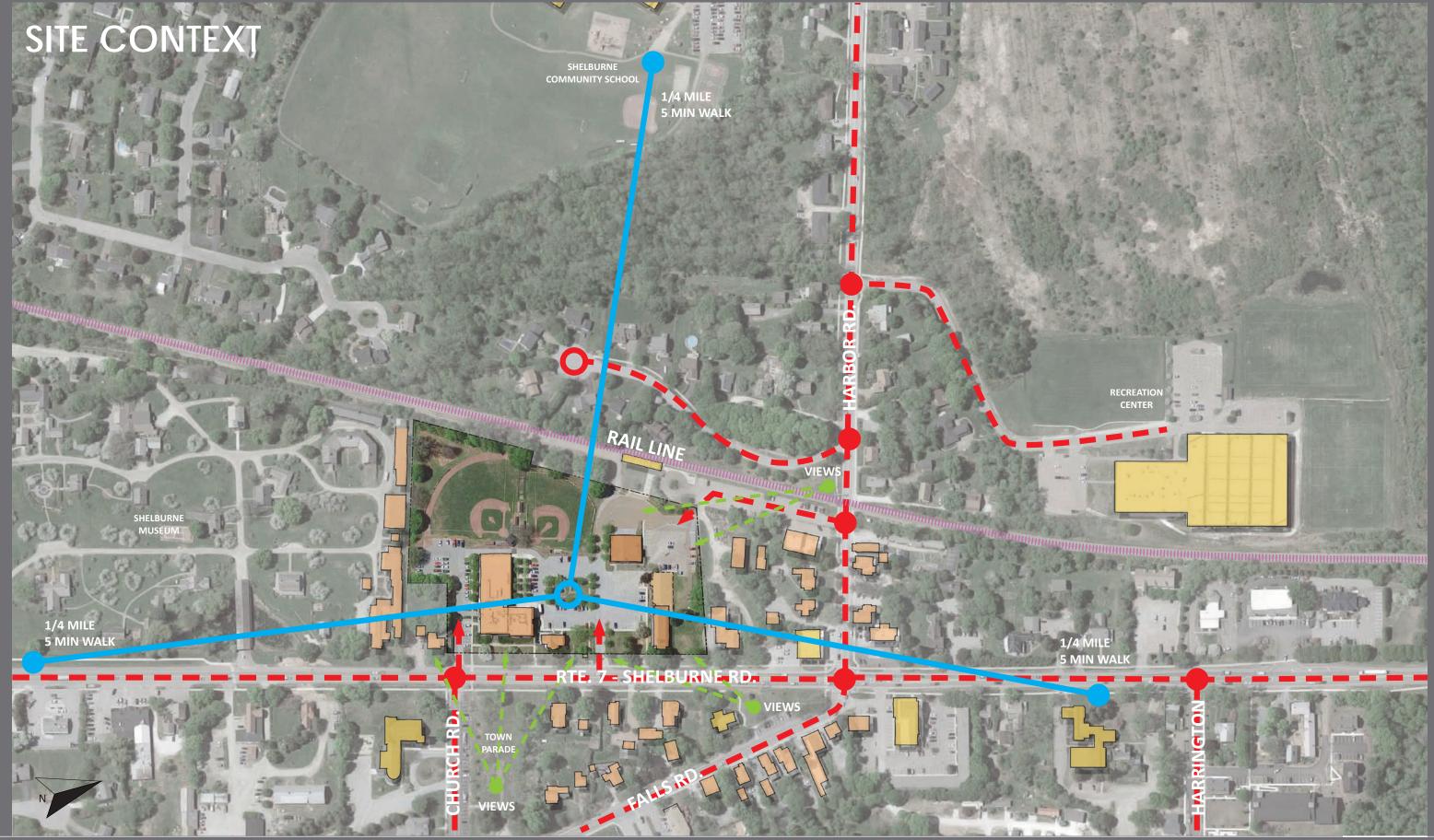






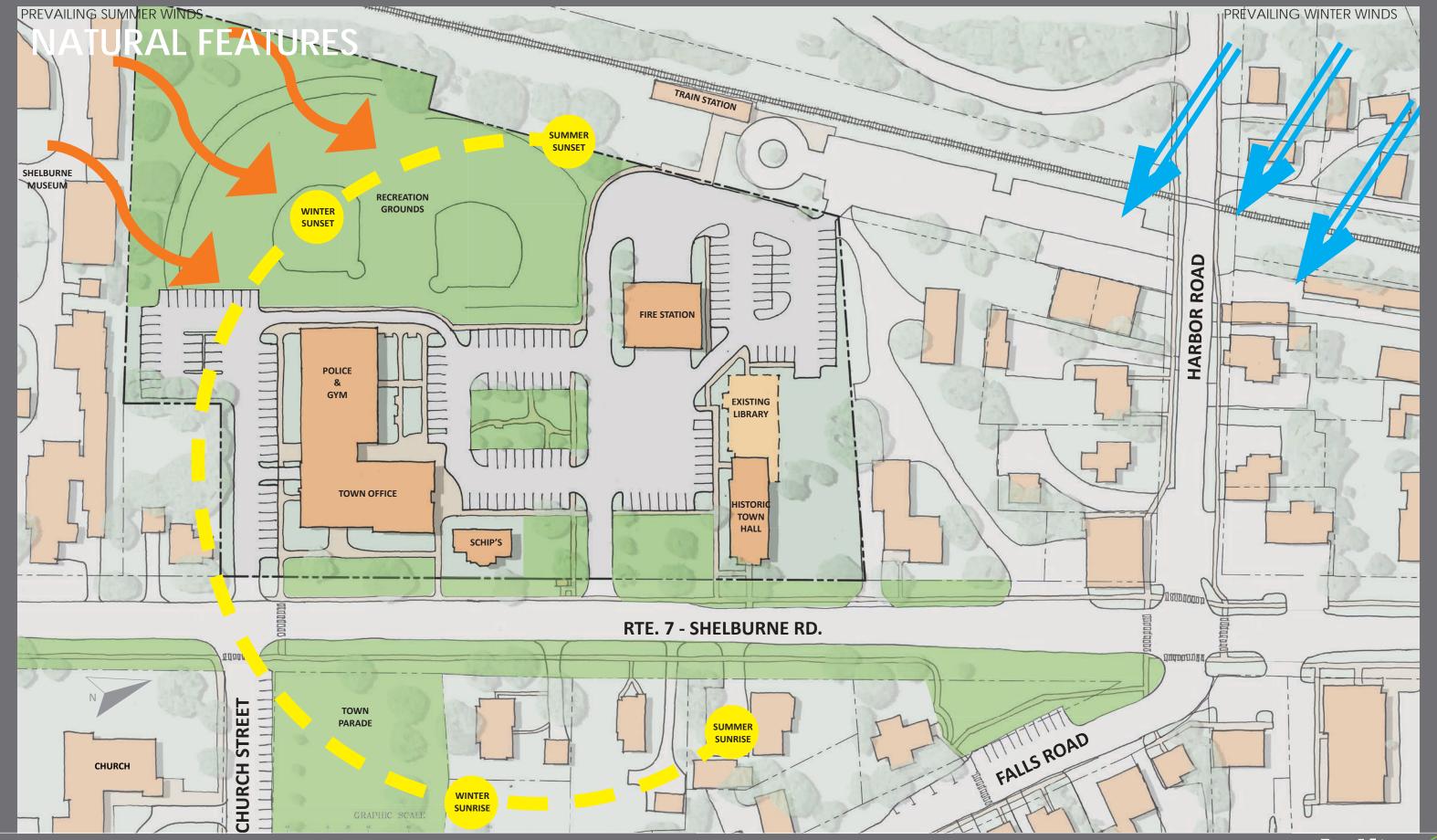






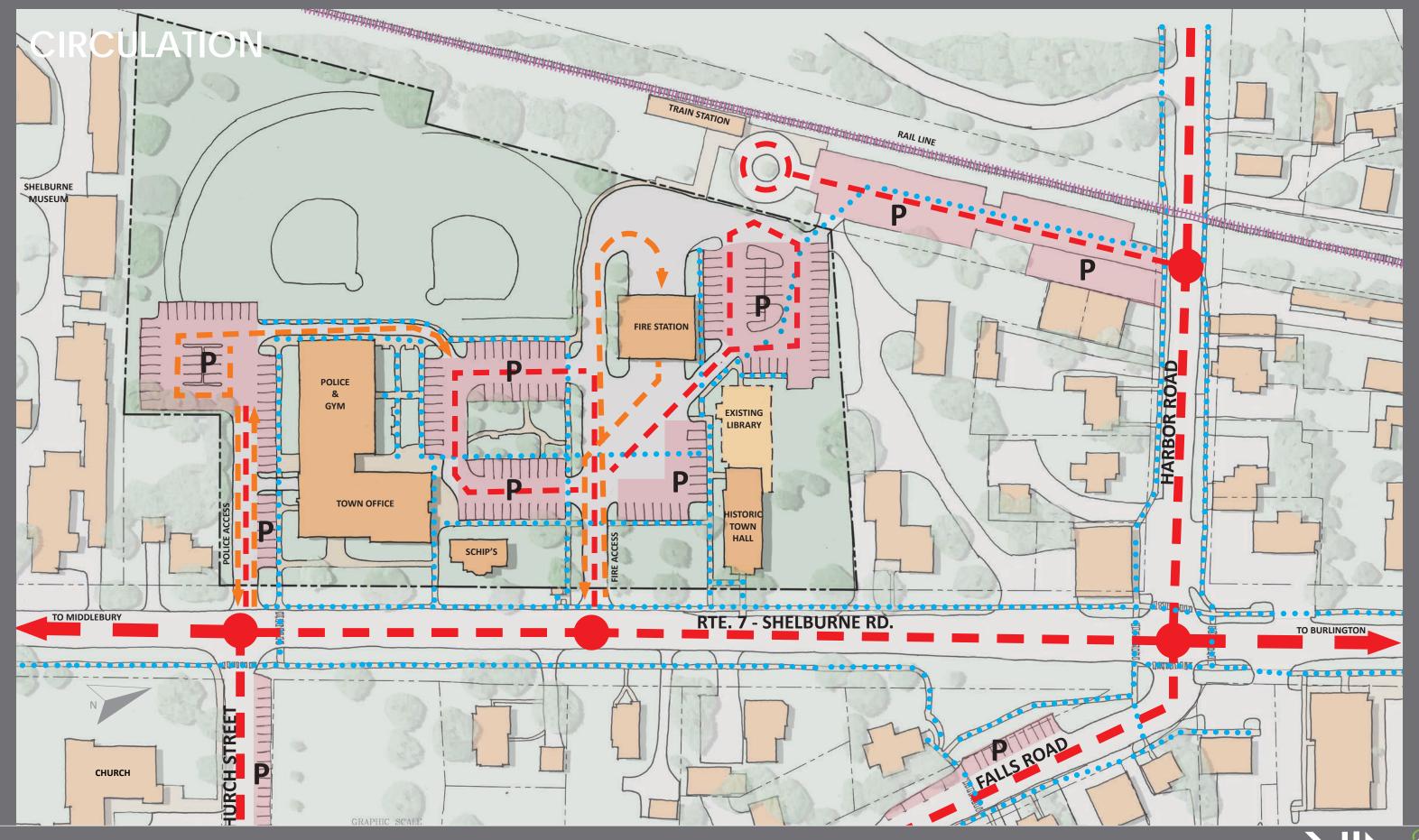














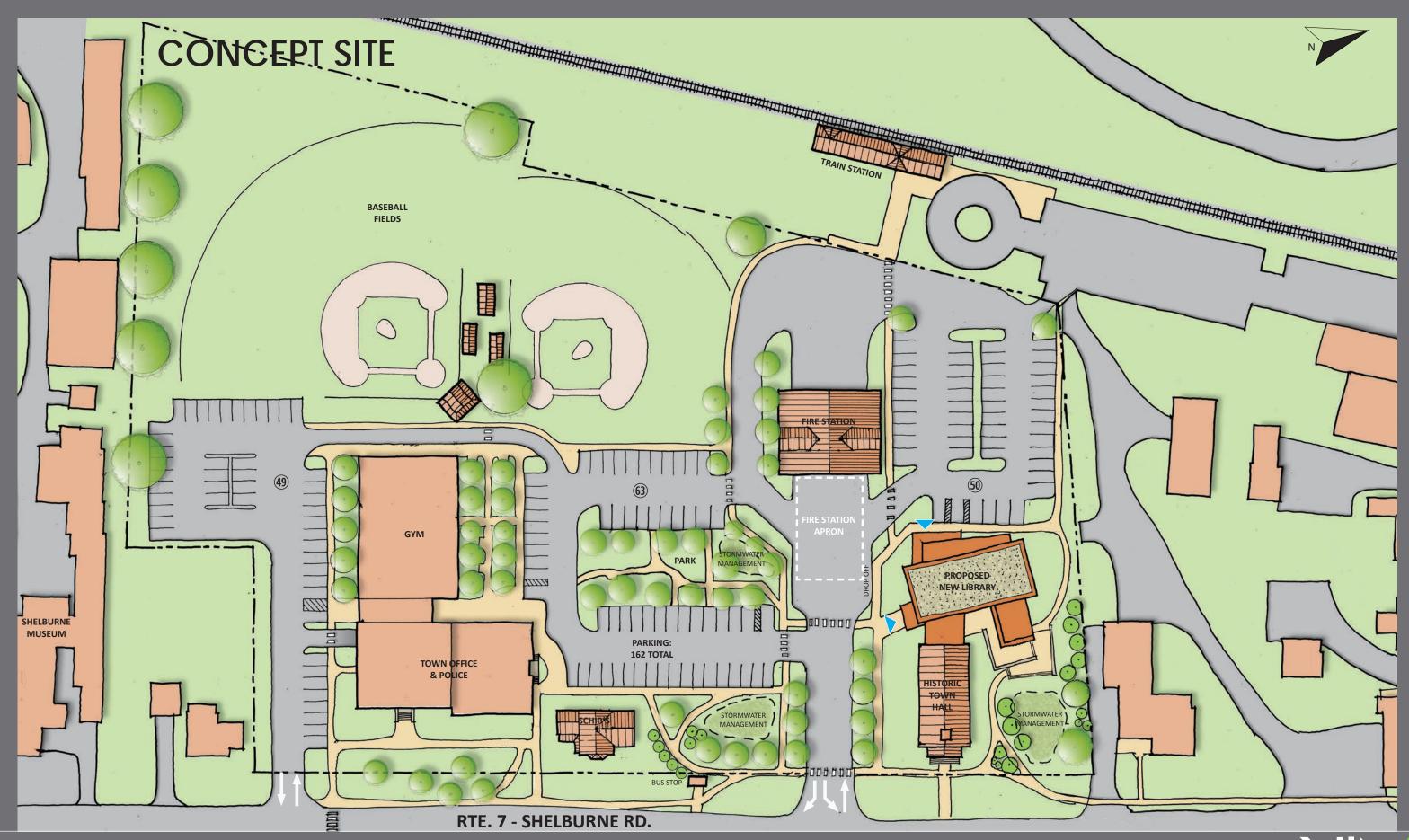
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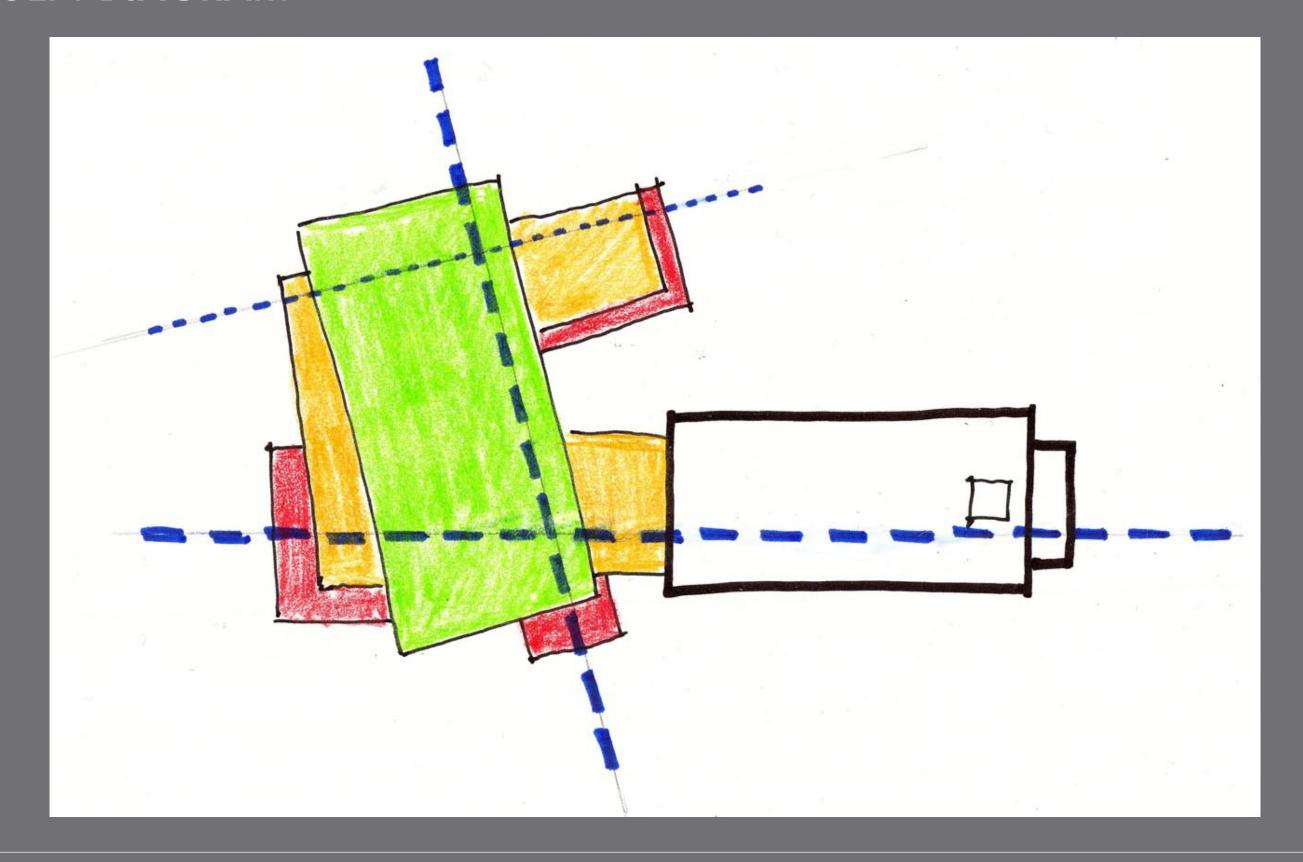




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CONCEPT DIAGRAM

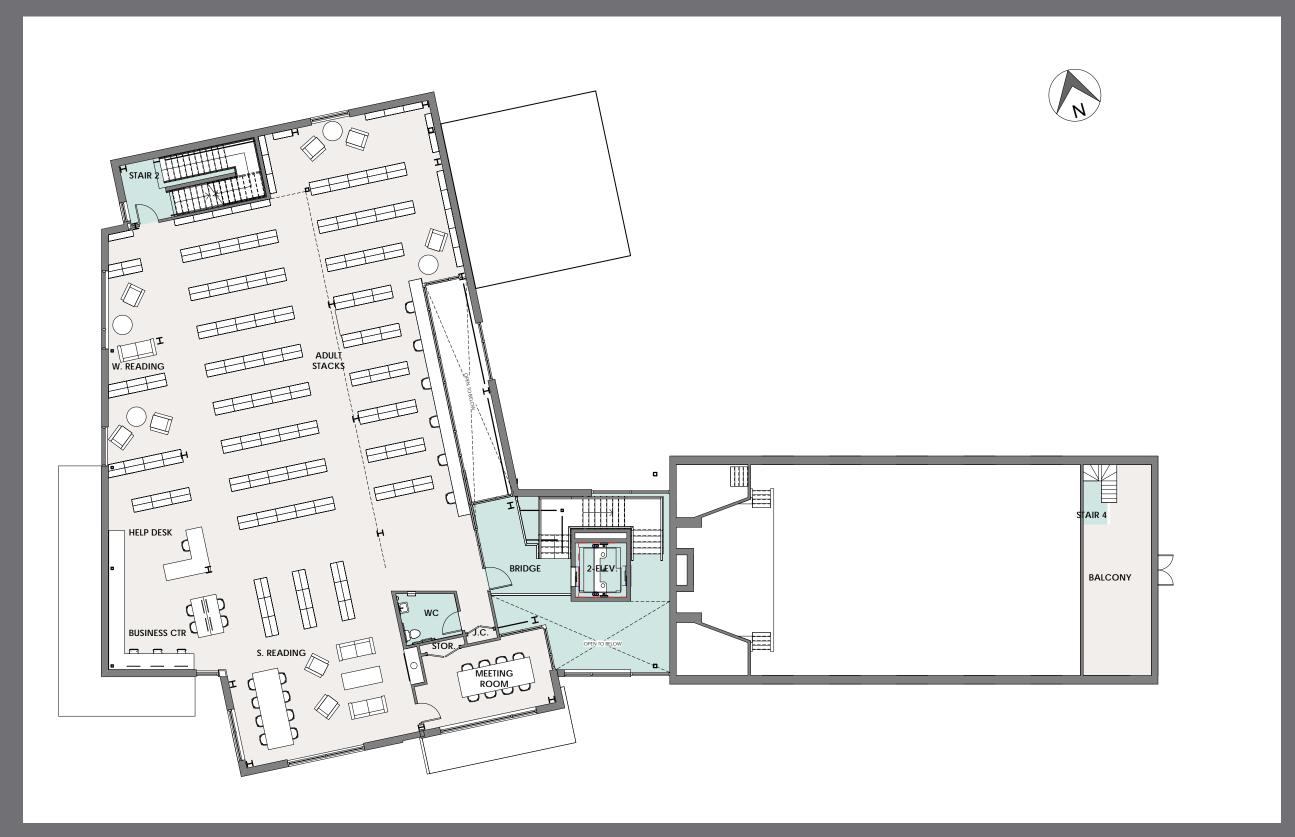






MAIN LEVEL FLOOR PLAN

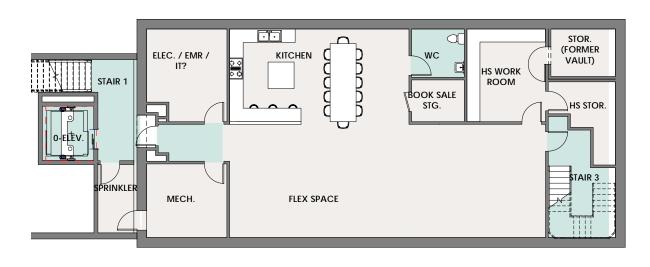




UPPER LEVEL FLOOR PLAN



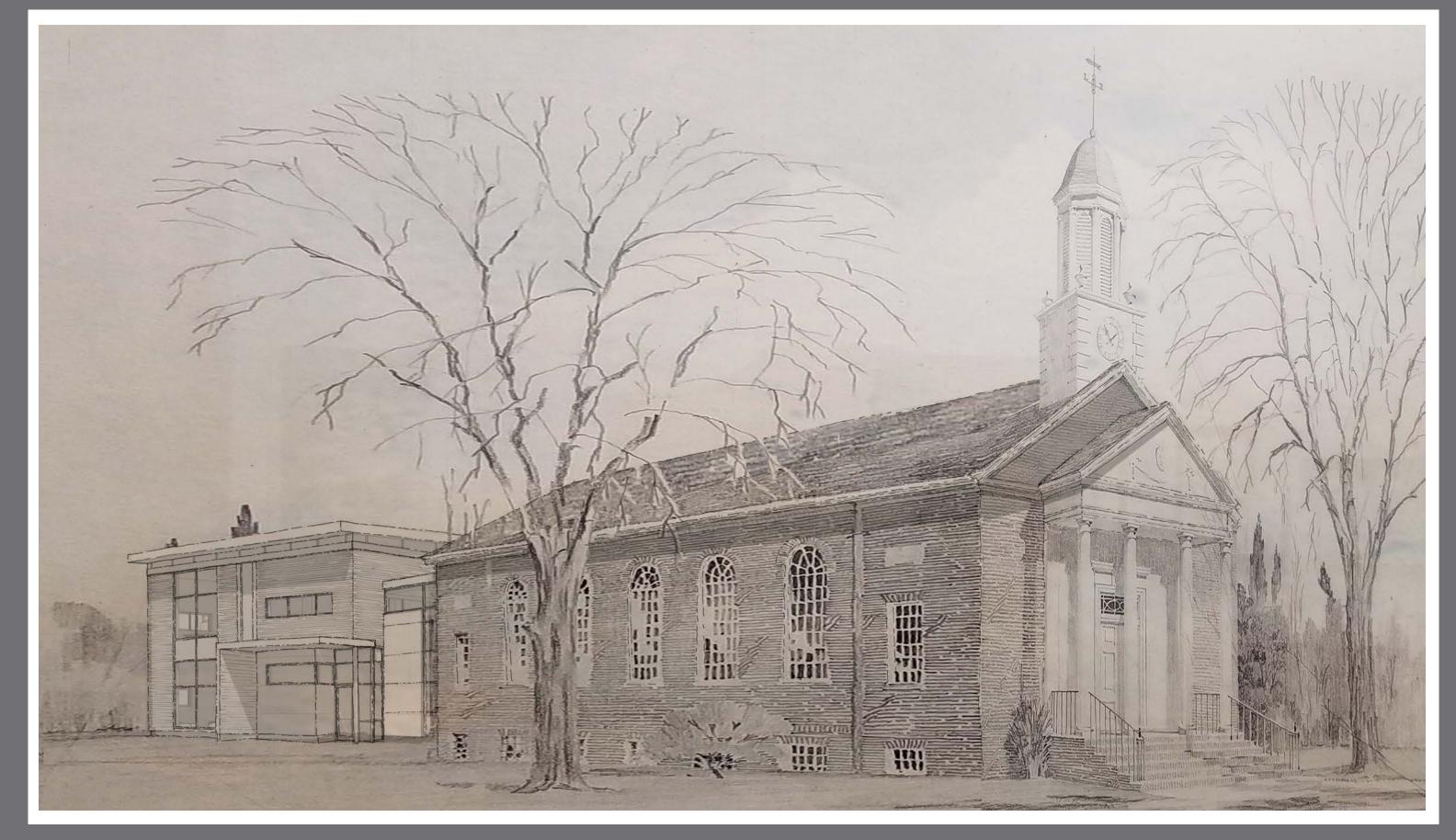




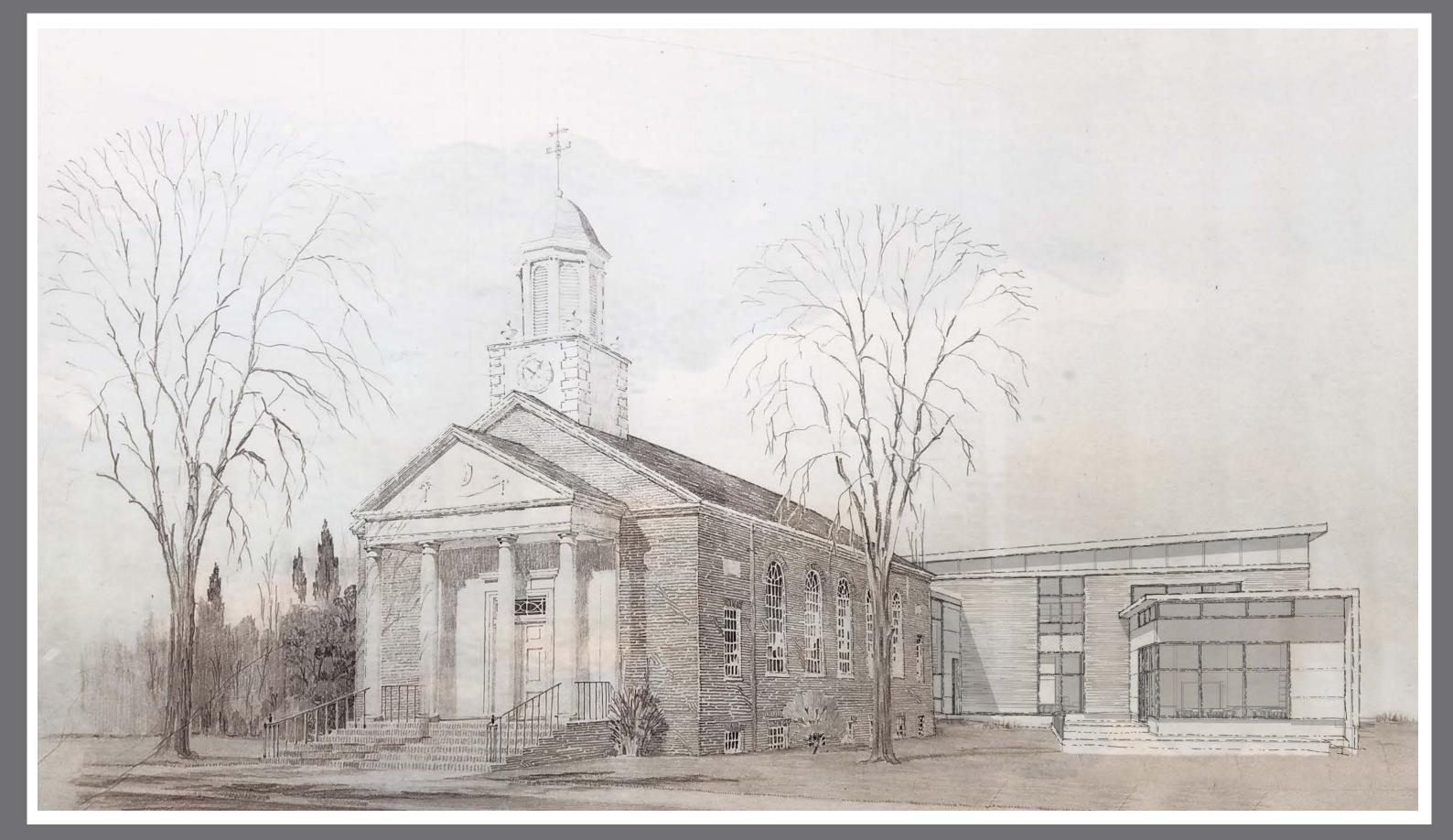
2 BASEMENT PRESENTATION PLAN 1/8" = 1'-0"

LOWER LEVEL FLOOR PLAN











KEY PROJECT FEATURES

- New, energy-efficient, sustainably-designed structure that is less expensive to operate and maintain;
- Accessible, spacious library that will last for generations;
- Flexible library spaces for quiet activity, community areas, and ground-level youth area;
- Improved technology and business center, including computers, printers, scanner, and well-equipped meeting rooms;
- Architecture that emphasizes the importance of the library in our community – is a beacon and welcome center for visitors;





KEY PROJECT FEATURES



- Much-needed renovations to our historic Town Hall inside and out, main and lower levels, including bathrooms, a kitchen, and space for other use such as the Historical Society;
- Designated paths for pedestrian and biker safety;
- Green space addressing campus stormwater in a natural way;
- Much-improved fire vehicle egress, including a left-turn exit lane; and
- Increased, better organized/allocated parking.



SUSTAINABLE DESIGN FEATURES

- Net-Zero energy new construction (to be confirmed 1 yr. post occupancy);
- Energy efficiency upgrades to historic Town Hall;
- Natural stormwater treatment rain gardens;
- Maximize solar exposure and daylight in building;
- Efficient mechanical systems;
- Water conservation; and
- Use of local materials and craftspeople.











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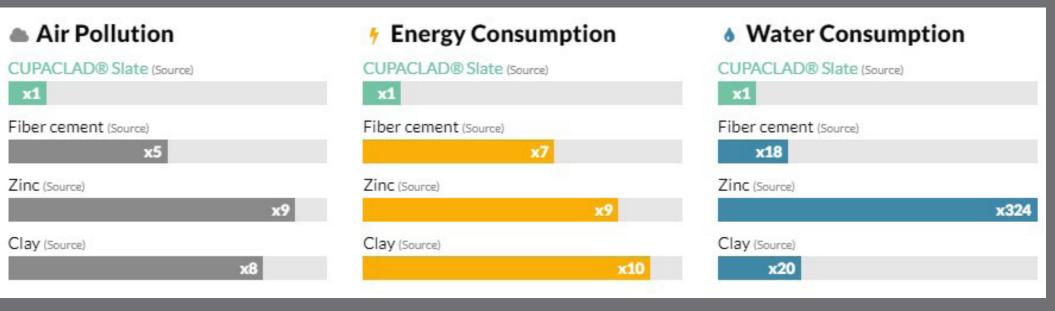




MATERIAL DURABILITY & LONG-LIFE SOLUTIONS

- Low-Maintenance
- Long Life
- Durable
- Minimally Processed
- Affordable

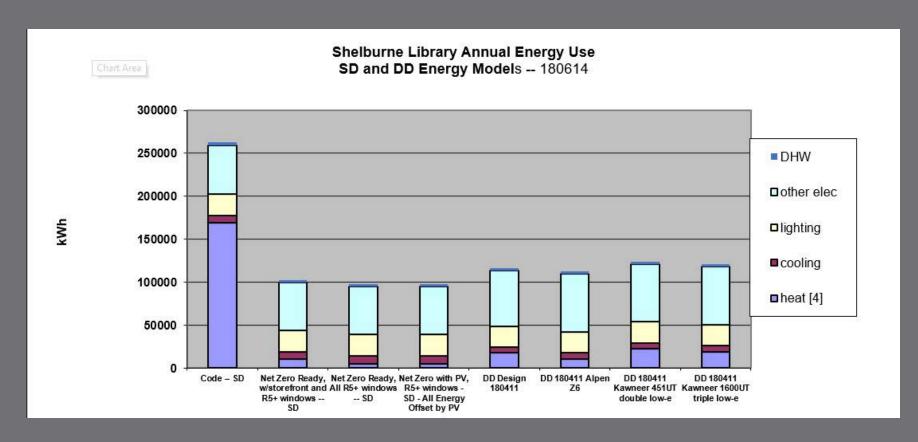






ENVELOPE - PERFORMANCE

- Energy Modeling & Analysis
- Maximizing Value Put the \$\$\$ where it makes the greatest impact!
- Minimize Complexity
- Minimize the use of environmentally unfriendly foams.





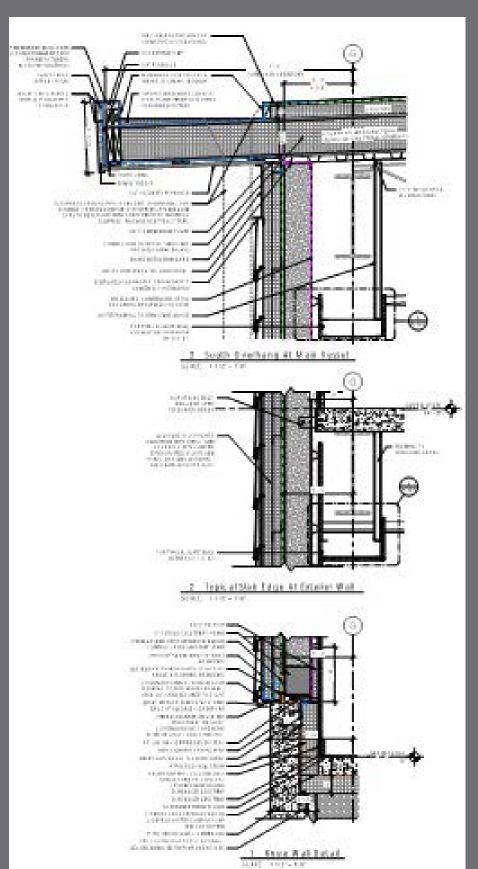


ENVELOPE - KEY STRATEGIES & CONSIDERATIONS

- Sequencing
- Testing & Mock-ups
- Attention to Detail, Training, and Clear Communication



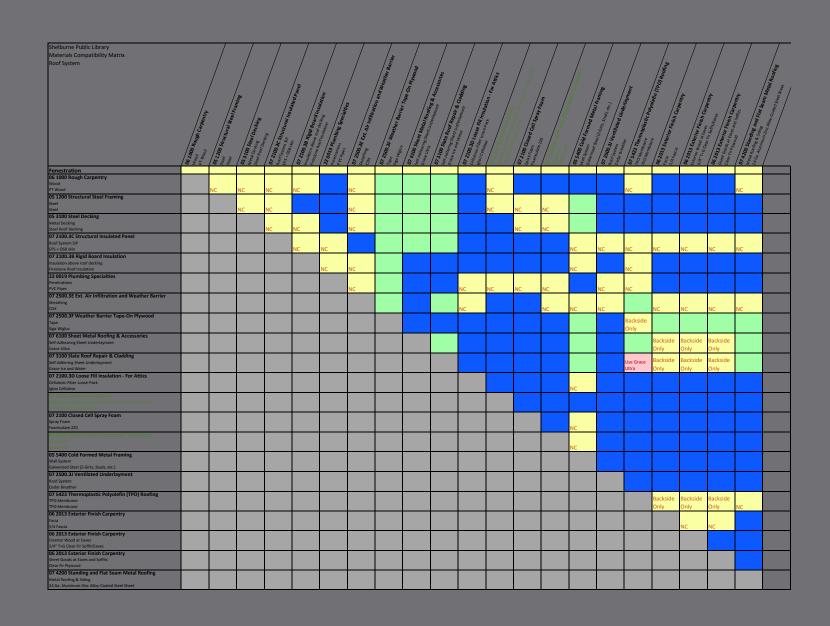


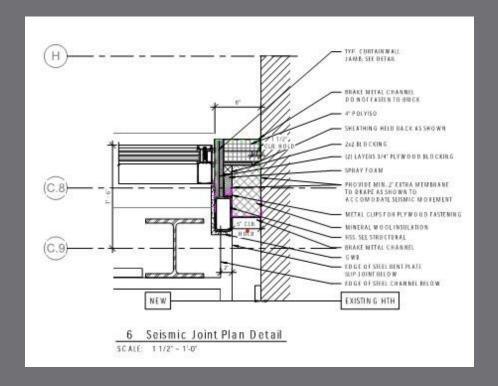


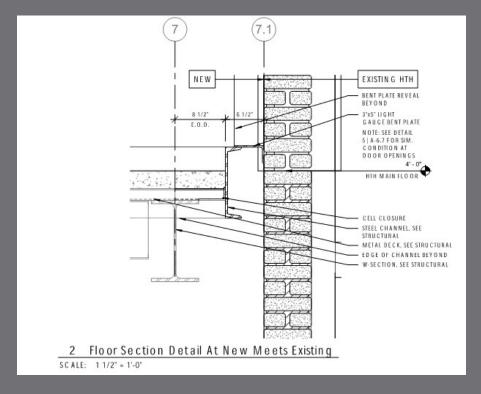


ENVELOPE - UNIQUE CONDITIONS

- Minimize (Isolate) Thermal Bridging
- Material Compatibility
- Steel & Moment Frame Isolation





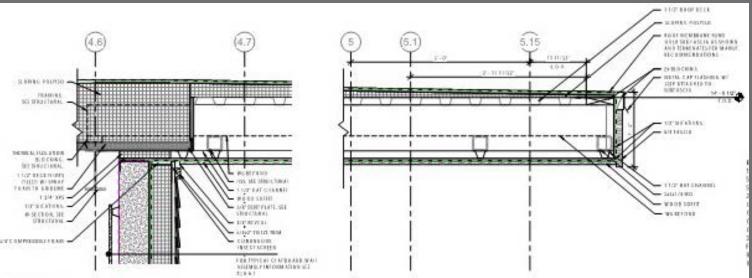


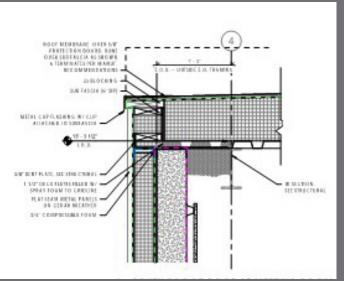


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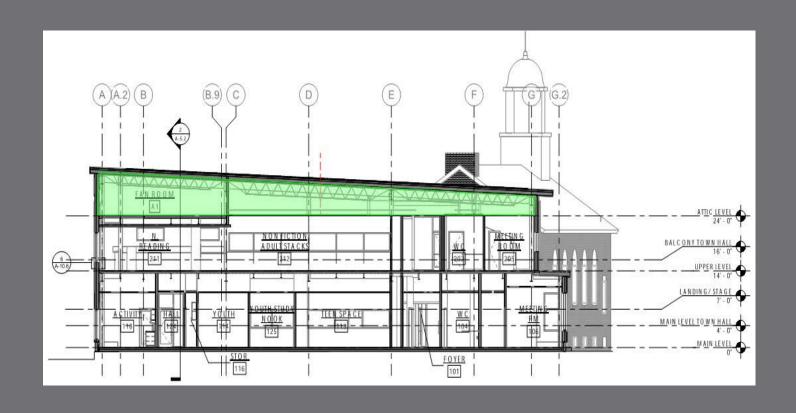


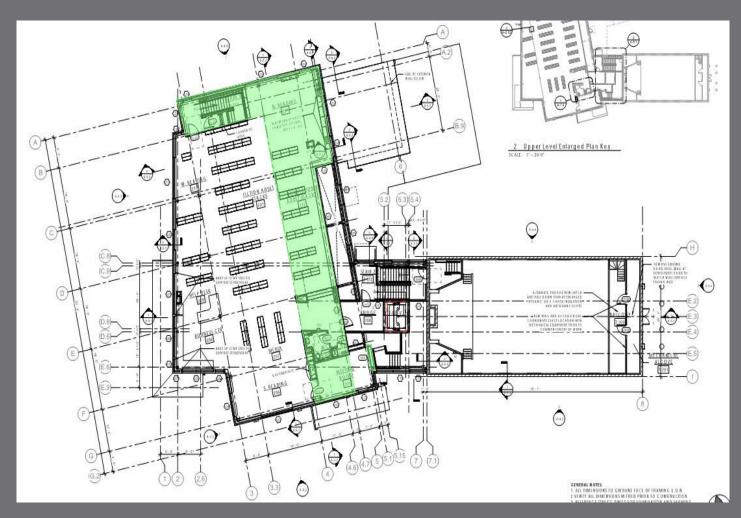




INTEGRATED SYSTEMS

Mechanical Spine







QUESTIONS AND COMMENTS





