

Stevens High School Pre Bond Presentation Claremont, NH



Existing Conditions



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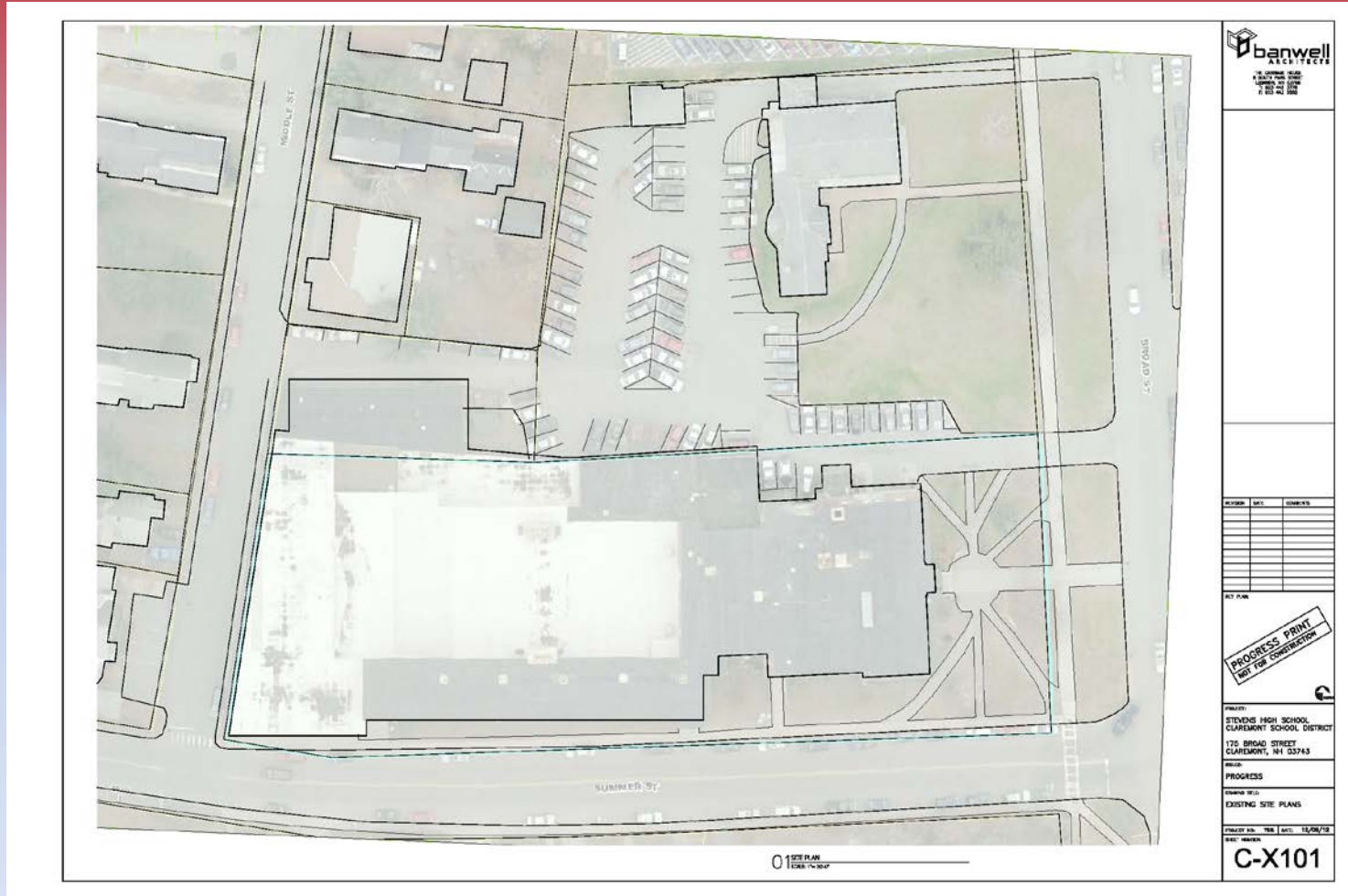


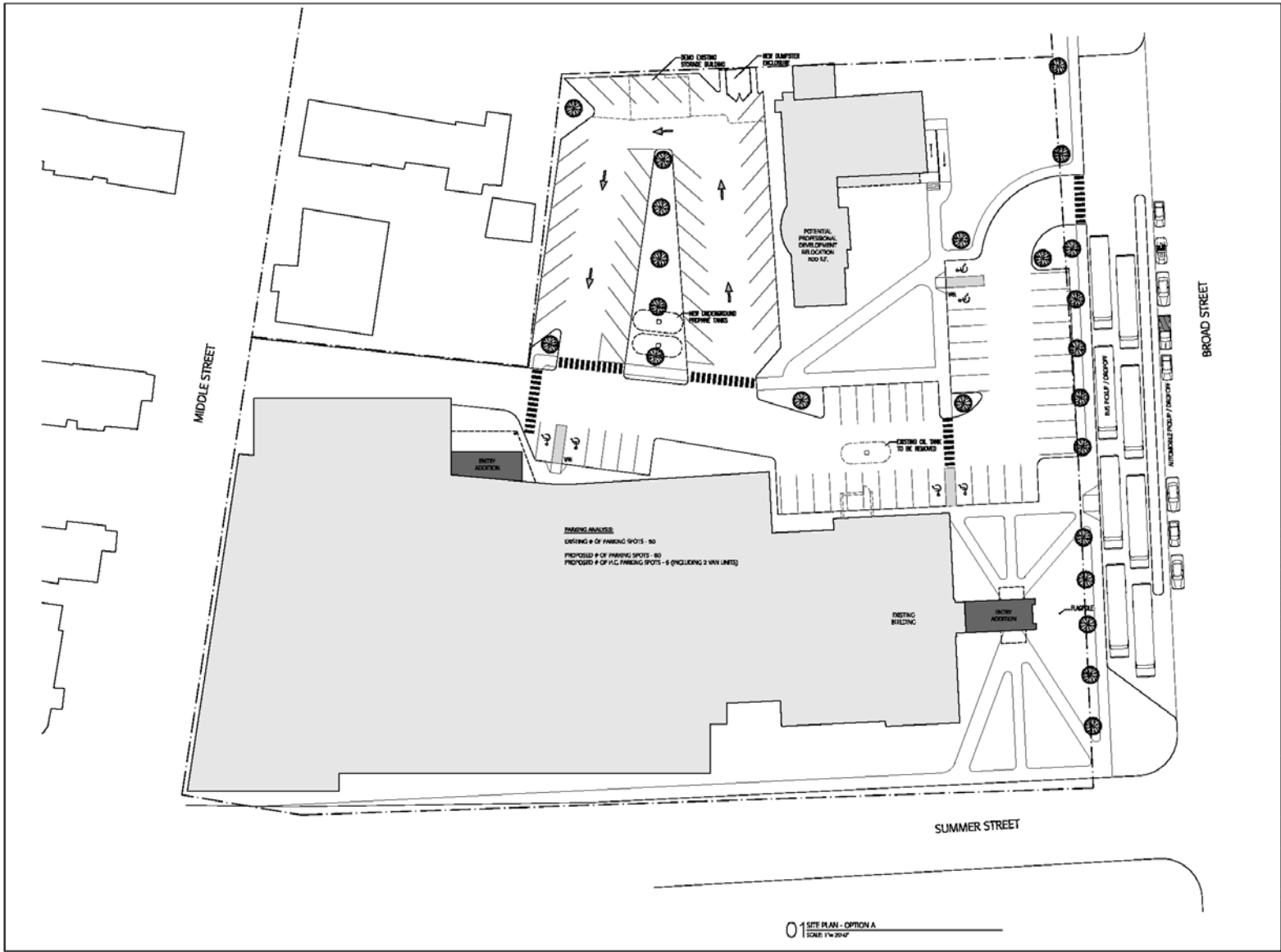
Proposed site features

- New main entry that is ADA accessible
- New event entry at gym/auditorium
- New bus loop
- New car drop off
- Better parking layout
- Improved and safer pedestrian walkways
- Retain green space in front of SAU building
- Balance new impervious area of entries with new green space in parking lot for storm water mgmt
- Preliminary site plan review has been reviewed by the city



Existing Site Plan





REVISION	DATE	COMMENTS

NOT FOR CONSTRUCTION

PROJECT:
 STEVENS HIGH SCHOOL
 CLAREMONT SCHOOL DISTRICT
 175 BROAD STREET
 CLAREMONT, NH 03743

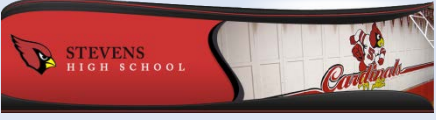
DESIGN:
 PROGRESS

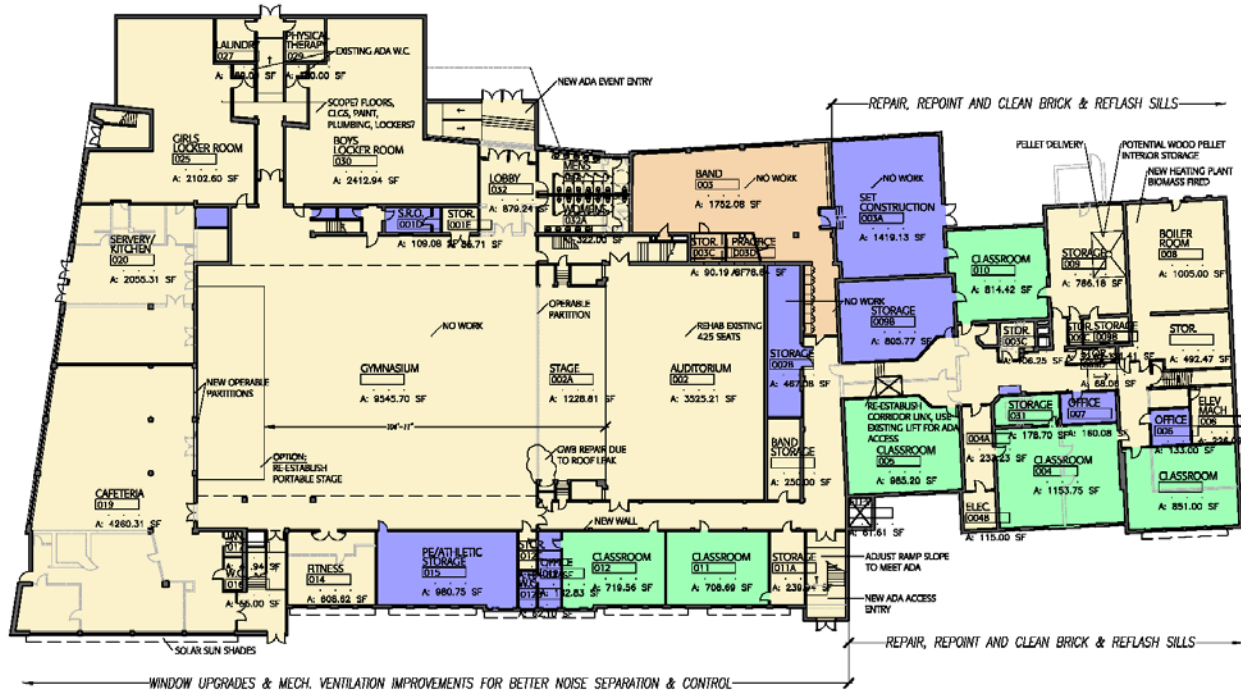
DRAWING TITLE:
 PROPOSED SITE PLAN

PROJECT No. 785 DATE: 12/11/12

SHEET NUMBER:
C101

01 SITE PLAN - OPTION A
 SCALE: 1"=20'-0"





- PROGRAM TABULATION:**
SECOND FLOOR:
- 87 CLASSROOMS AT 800 SF MIN.
*WITH PROFESSIONAL DEVELOPMENT AT SAU #6, 5 IF NOT RELOCATED.
- OVERALL TABULATION:**
31 TOTAL CLASSROOMS
9 TOTAL LABS
- CLASSROOM
 - LABS
 - ADMINISTRATION
 - COMMON SPACE

01 BASEMENT FLOOR PLAN
SCALE: 1/8" = 1'-0"

REVISION	DATE	COMMENTS

PROGRESS PRINT
NOT FOR CONSTRUCTION

PROJECT:
STEVENS HIGH SCHOOL
CLAREMONT SCHOOL DISTRICT

175 BROAD STREET
CLAREMONT, NH 03743

ISSUED:
PROGRESS

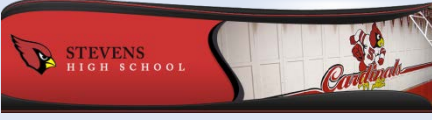
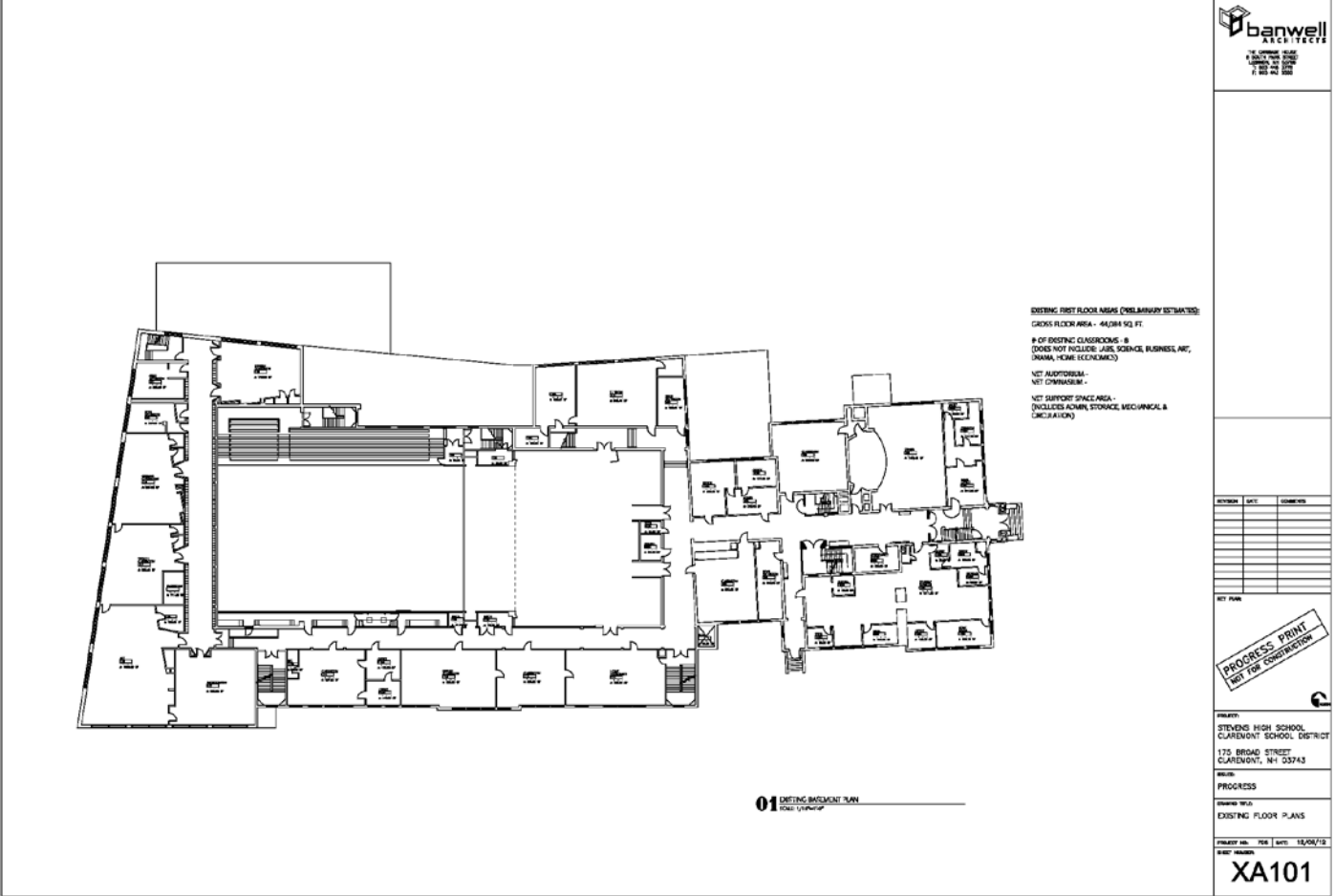
COMMAND TITLE:
PROPOSED FLOOR PLAN

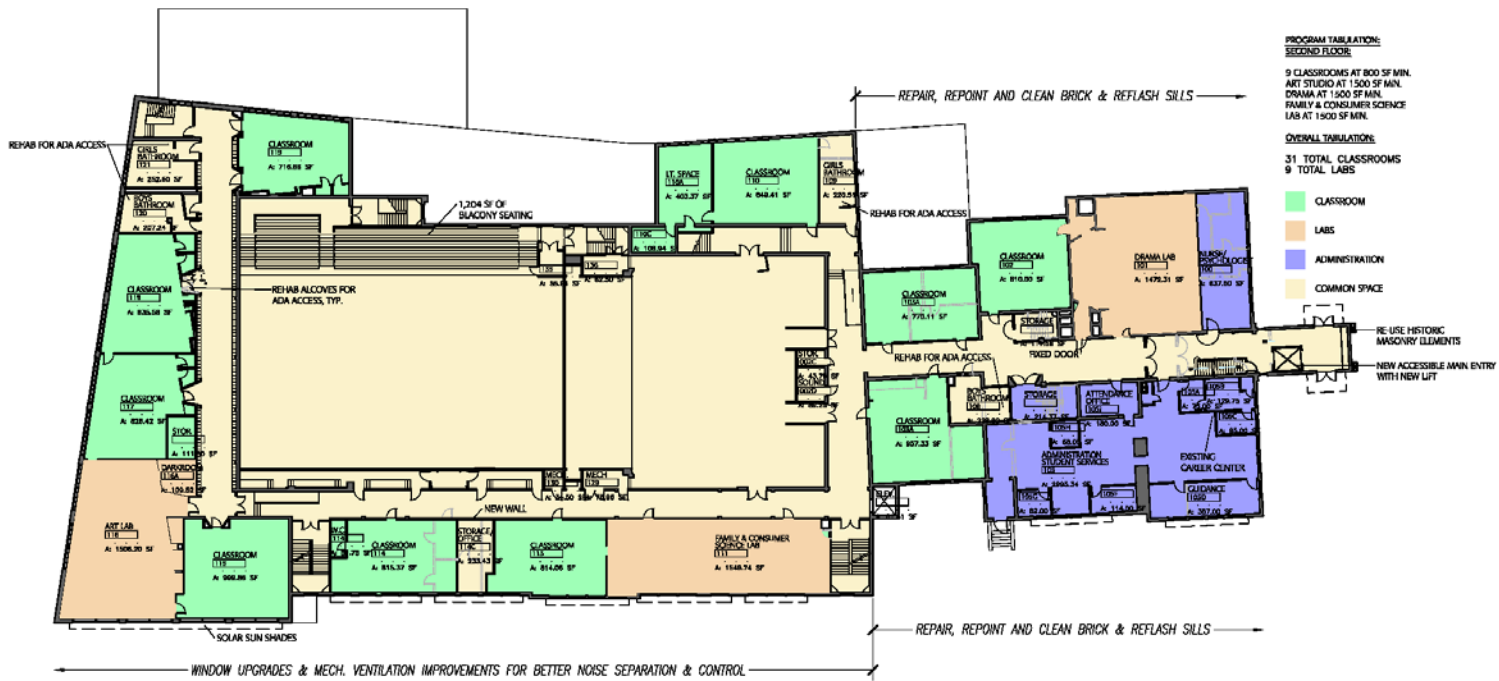
PROJECT NO.: 795 **DATE:** 12/14/12
SHEET NUMBER:

A101



Existing Main Floor Plan





01 FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

REVISION	DATE	COMMENTS

PROGRESS PRINT
NOT FOR CONSTRUCTION

PROJECT:
STEVENS HIGH SCHOOL
CLAREMONT SCHOOL DISTRICT

175 BROAD STREET
CLAREMONT, NH 03743

PHASE:
PROGRESS

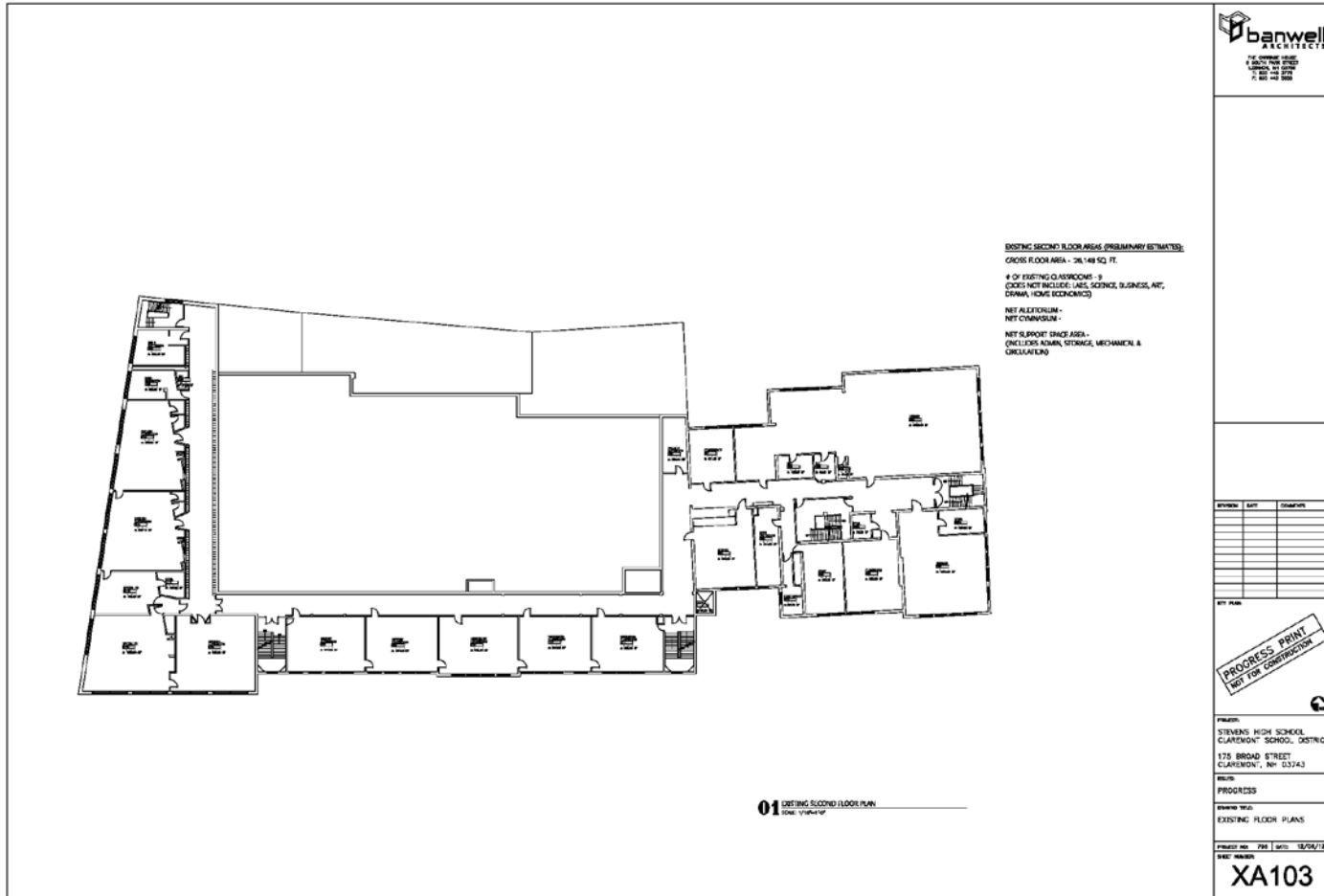
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PROPOSED FLOOR PLAN

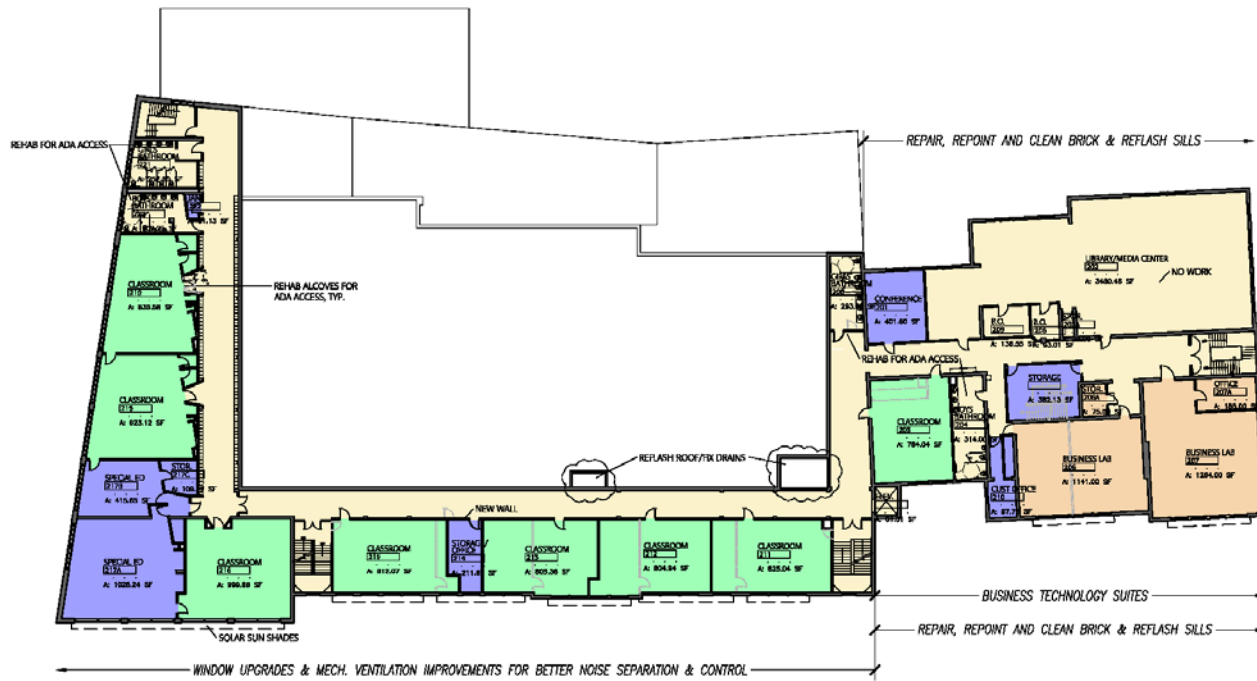
PROJECT NO. 795 DATE 12/14/12
SHEET NUMBER

A102



Existing Second Floor Plan





PROGRAM TABULATION:
SECOND FLOOR:
8 CLASSROOMS AT 800 SF MIN.
2 BUSINESS LABS AT 1200 SF MIN.

OVERALL TABULATION:
31 TOTAL CLASSROOMS
9 TOTAL LABS

LEGEND:
CLASSROOM (Green)
LABS (Orange)
ADMINISTRATION (Blue)
COMMON SPACE (Yellow)

01 SECOND FLOOR PLAN
SCALE 1/16" = 1'-0"

REVISION	DATE	COMMENTS

PROGRESS PRINT
NOT FOR CONSTRUCTION

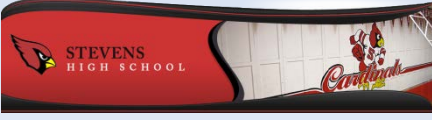
PROJECT:
STEVENS HIGH SCHOOL
CLAREMONT SCHOOL DISTRICT
175 BROAD STREET
CLAREMONT, NH 03743

DESIGN:
PROGRESS

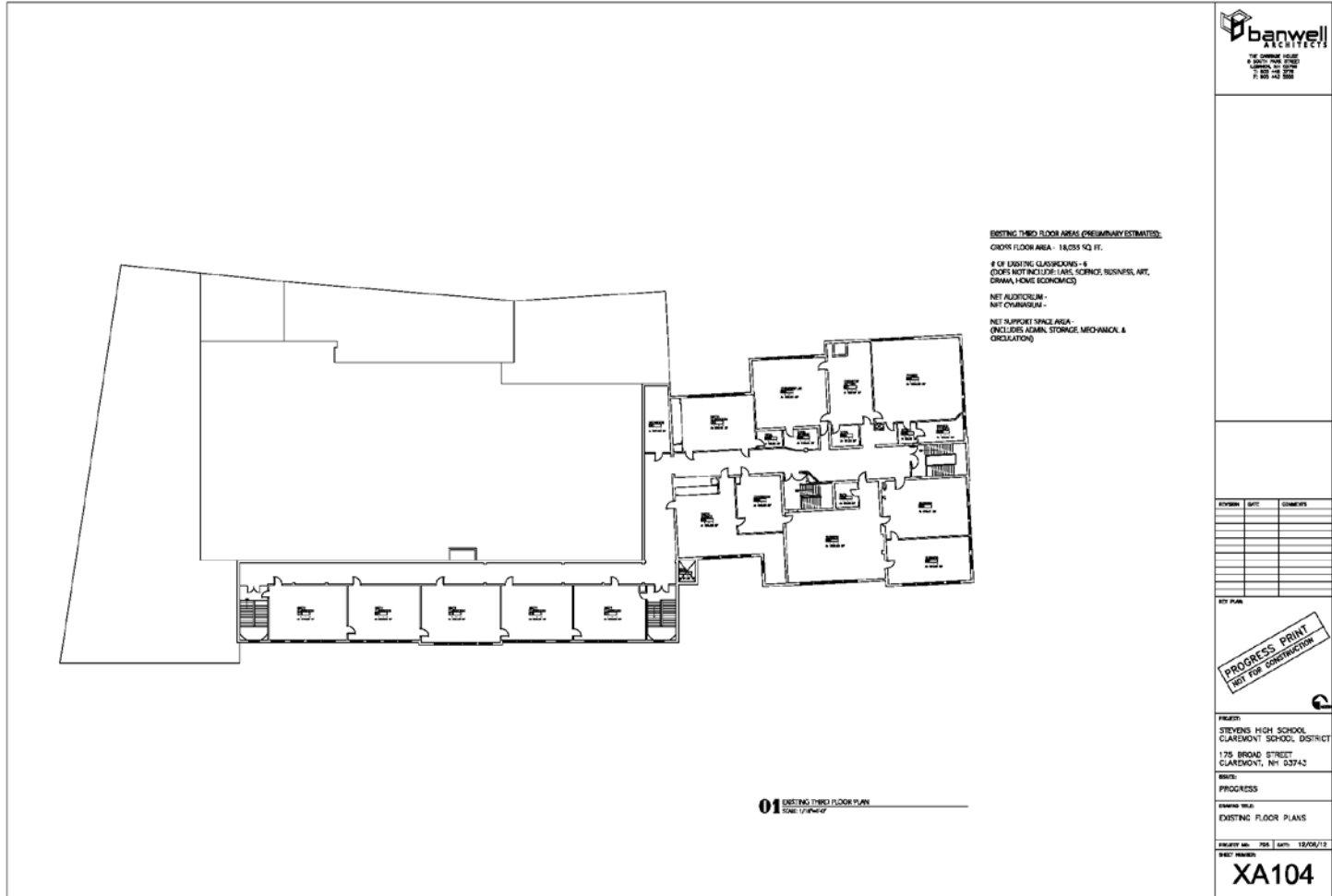
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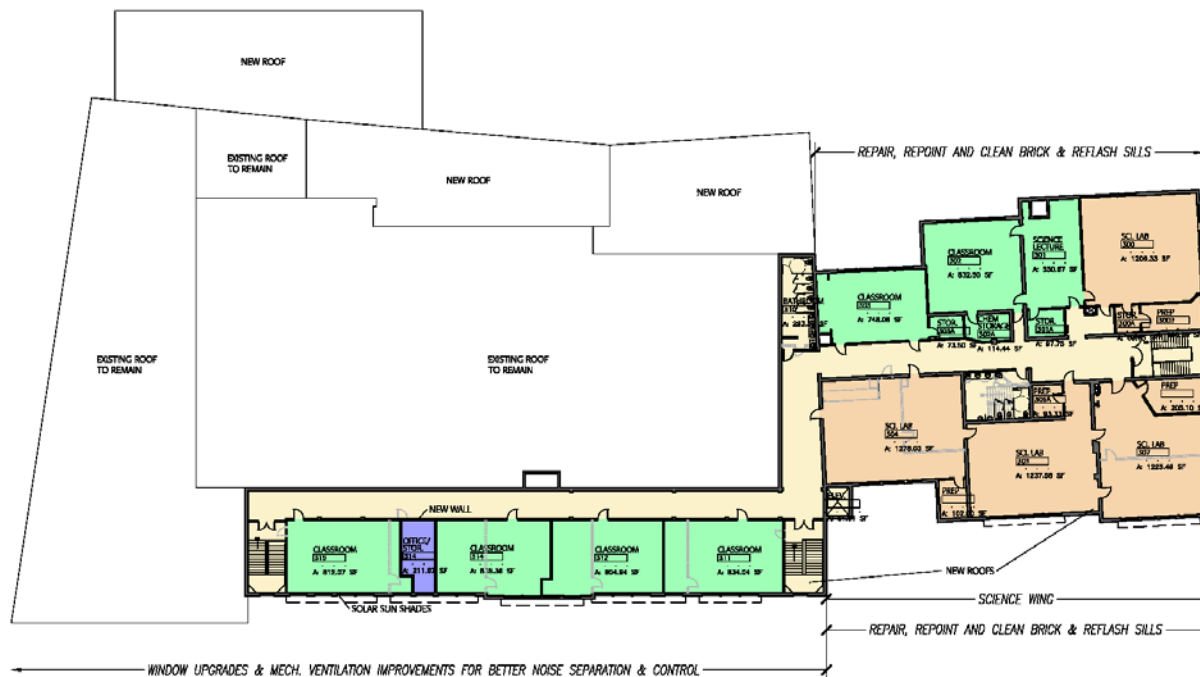
PROJECT NO. 790 DATE: 12/14/12
SHEET NUMBER

A103



Existing Third Floor Plan





PROGRAM TABULATION:
7 CLASSROOMS AT 800 SF MIN.
4 LABS AT 1200 SF MIN.

OVERALL TABULATION:
31 TOTAL CLASSROOMS
9 TOTAL LABS

- CLASSROOM
- LABS
- ADMINISTRATION
- COMMON SPACE

REVISION	DATE	COMMENTS

ACT PLAN



PROJECT:
STEVENS HIGH SCHOOL
CLAREMONT SCHOOL DISTRICT
175 BROAD STREET
CLAREMONT, NH 03743

DRAWN:
PROGRESS

DRAWING TITLE:
PROPOSED FLOOR PLAN

PROJECT NO. 785 | DATE: 12/14/12
SHEET NUMBER:

A104

01 THIRD FLOOR PLAN
SCALE: 1/8" = 1'-0"



Classrooms and Building:

- Creates a maximum number of 800sf classrooms for greater flexibility
- Plan improves heat and noise issues on south side of building (new windows, insulation and exterior solar sun shades)
- Replaces roofs that are beyond the warranty period
- Plan consolidates storage to eliminate storage in corridors
- Plan removes old outdated spaces that are no longer used (some stairs)
- Finish upgrades to the locker rooms



Science Rooms:

- Plan upgrades the science labs and classrooms to today's standards
- Creates all science rooms in one consolidated area
- New science fume hood and exhaust



Proposed Science Lab/Classroom



Cafeteria and Kitchen:

- Plan increases cafeteria size to allow for all student access (currently can not feed them all)
- New kitchen and server area for healthier school lunch menu (salvage all recently purchased kitchen equipment)
- Plumbing and finish upgrades



Code Issues:

- Plan addresses Code deficiencies (International building code, egress, fire safety, upgraded fire rated areas)
- Addresses Claremont Fire Department required upgrades
- Accommodates ADA for entries, bathrooms and elevator upgrades
- Upgrades all doors for code compliance



Hazardous Materials:

- Removes hazardous materials in school
- Removal of Lead paint
- Removal of Asbestos on pipes
- Removal of VAT – vinyl asbestos tile flooring
- Removal of plaster and lath
- Removal of PCBs



Security upgrades:

- Adds better security features, including:
- secure ALL exterior doors
- visibility of all entrants
- entry buzz in system
- new cafeteria allows student to stay on campus
- Addition of security cameras
- Addition of security lighting around building



Mechanical/plumbing upgrades:

- Complete new mechanical and plumbing systems
- New biomass/wood pellet heating system in existing boiler room and reuse existing chimney
- Removal of underground oil tanks
- Plumbing upgrades to the locker rooms
- New plumbing fixtures
- Updated sprinkler system and standpipes



Electrical upgrades:

- New code compliant wiring
- New updated electrical panels (reuse any newer ones)
- New wiring to mechanical
- New energy efficient lights
- Addition of occupancy sensors to save electricity
- Building renovation will support existing technology plan (upgraded wiring)
- New intercom system for building wide communication



Energy Improvements

- A minimum savings of \$51,000 per year changing from oil to wood pellets

Additional savings include: (savings and paybacks TBD)

- New windows at south side (reduce heat gain and ac costs)
- New building insulation at south exterior wall
- New roof insulation at all replaced roof areas
- Decreased maintenance costs due to new low maintenance floors



Energy Improvements

- Investigate solar hot water (short payback)
- Use low voc materials
- Improve air quality throughout the school
- Propane for shoulder season hot water
- Low flow plumbing fixtures (reduce water and sewer rates)
- Replace light fixtures for energy savings
- Air seal all penetrations in exterior walls



Spaces we are NOT touching:

- Newly renovated music room
- Gym
- Auditorium (except seating and mechanical)
- Recently replaced roofs



Items we NEED to do regardless of if bond vote passes:

- Boiler systems
- New doors throughout for codes
- Code upgrades
- ADA
- Roofs
- Total cost \$7.9 million



Questions?

