ENE Systems, Inc./Energy Efficient Investments, Inc.
Preliminary Investment Grade Audit

FOR:

Two Rivers Supervisory Union

Prepared by:

Michael Davey, CEM

Date: Dec 21, 2021

EEI
ENERGY EFFICIENT INVESTMENTS INC.

ENE
SYSTEMS
REDUCING THE OPERATING AND ENERGY COSTS OF YOUR FACILITY

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1.Executive Summary

Energy Efficient Investments, Inc. (EEI) and parent company, ENE Systems, Inc. have been collaborating with the Two Rivers Supervisory Union (TRSU) on a proposal to upgrade and renovate three of the schools within the union.

EEI is located in Merrimack, NH, and has a proven track record of designing and implementing energy improvements to mechanical systems, building controls systems, insulation and renewable systems. EEI is also an approved energy management contractor with Better Buildings, Pay for Performance, PSNH, Liberty Utilities, and Unitil in New Hampshire.

TRSU is located in East central Vermont and includes the towns of Andover, Baltimore, Cavendish, Chester, Ludlow, and Mount Holly. Schools include Cavendish Town Elementary, Chester-Andover Elementary, Green Mountain Union High, Ludlow Elementary, and Mount Holly School.

EEI in its role as Energy Service Company (ESCO) has agreed to develop an energy project targeting energy savings at the locations identified below:

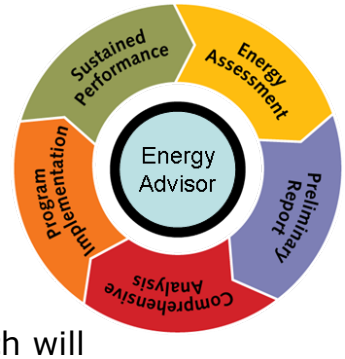
Building	Location
Green Mountain Union High School (GMUHS)	716 Route 103 South, Chester
Chester-Andover Elementary School (CAES)	72 Main Street, Chester
Cavendish Town Elementary School (CTES)	573 Main Street, Proctorsville

Currently each of these schools is heated by #2 heating oil and there are no distributed natural gas options within the area.

EEI proposes to convert all three buildings to propane gas for heating fuel. This plan which will reduce annual energy expenditures by more than $70,000 and eliminate #2 fuel oil from all three locations. The GMUHS building alone will reduce its carbon emissions by more than 380 metric tonnes per year as well.

The development of every energy project starts with the initial energy assessment which includes a site visit and the collection of utility and operational costs for each location. The next step entails defining measures, budgetary costs, and estimated savings values by measure for each building. This information is documented in this **Preliminary Investment Grade**

Audit (PIGA). In December 2021, the PIGA will be submitted to TRSU for review and to determine which conservation measures have the funding and savings necessary to be included in the project.



On the following page, the revised Energy Conservation Measures Matrix shows the scope of upgrades the Two Rivers Supervisory Union has initially elected, including conversion of oil to propane gas, upgrade of ventilation to rooftop Heat Recovery units (HRV), Direct Digital Controls (DDC), and lighting upgrades in all three schools. Approval of this PIGA will lead to a final **IGA**, then to an **Energy Performance Contract (EPC)** which will clearly define the responsibilities of each party and will include a **Measurement and Verification (M&V)** procedure that will be used to measure the energy performance of the new systems and equipment installed throughout the TRSU.

Two Rivers ECM Matrix

Measure	Description	Cost	Savings	Rebate
Green Mountain Union High School				
GMU 1	Boilers + Kitchen Conversion (Oil to Propane) + Tank	$1,118,950	$9,500	
GMU 2	Remove UV's, add ERV's w/ Perimeter Heat and LED Lighting	$5,073,500	$11,000	
GMU 3	Replace Windows	$2,527,000		
GMU 4	Controls Upgrade	$695,000	$5,800	$10,000
GMU 5	Kitchen Renovation	$540,710		
GMU 6	Electrical transformers	$132,050	$8,800	$3,000
GMU 7	Elevator	$174,000		
GMU 8	Fire Doors, Bathroom upgrades, Concrete and Railings (Code	$1,167,600		
GMU 9	Sprinkler System	$695,000		
GMU 10	Ceiling, Painting, Asbestos and Flooring	$2,022,867		
GMU 11	Millwork & Carpentry	$483,720		
GMU 12	Brick Repointing & Masonry	$192,850		
GMU 13	Electrical Service Upgrade	$973,000		
GMU 14	Pavement	$598,500		
GMU 15	Storage Addition	$178,220		
GMU 16	Locker Room Renovation to Nurse & Guidance	$390,000		
GMU 17	Softball Field	$200,000		
	GMUHS Total	**$17,162,967**	**$35,100**	**$13,000**
Chester Andover Elementary School				
CAE 1	Replace Federal Pacific Sub Panels	$200,000		
CAE 2	Fire Alarm Panel	$125,000		
CAE 3	Gym ERU	$295,000	$2,500	
CAE 4	LED Lighting	$150,000	$5,000	$11,000

CAE 5	Convert from Oil to Propane	$100,000	$7,000	
CAE 6	Ventilation Upgrades	$815,000		
CAE 7	Controls upgrade	$173,000		
CAE 8	Pavement & Bus Drop Off Modifications	$472,500		
	CAES Total	**$2,330,500**	**$24,500**	**$24,500**
Cavendish Town Elementary School				
CES 1	LED lighting	$78,000	$1,300	$5,500
CES 2	Condensing Boilers	$390,000	$5,000	
CES 3	Remove Underground Oil Tank	$40,000		
CES 4	Controls and drives	$62,000		$3,000
CES 5	Insulation and Weatherization	$66,500	$4,500	
CES 6	Fire Alarm	$125,000		
	CTES Total	**$761,500**	**$10,800**	**$8,500**
	Sub total	**$20,254,967**	**$70,400**	**$46,000**
	Bond	$202,550		
	Recommended Contingency	$1,012,748		
	Grand total	**$21,470,265**		
	Deduct Alternates			
GMU	Windows HS less patching for removed UVs	-$2,327,000		
GMU	Softball Field	-$200,000		
GMU	Pavment	-$598,500		
GMU	Locker Room to Nurse &	-$390,000		
GMU	Storage Addition	-$178,220		
GMU	Kitchen Reno	-$540,710		
CAE	Gym Unit	-$295,000		
	Total after Deducts	$16,940,835.02		

2.Facilities Background

Green Mountain Union High School

The Green Mountain Union High School is a 120,000sf, metal framed structure with un-insulated cement block infill and brick veneer exterior built in the 1970s. The roofs are flat with a metal superstructure, rubber membrane covering, and foam insulation. Heating was converted from electric hot water to #2 fuel oil around 1990. Ventilation is primarily though individual Unit Ventilators (UV) under windows. Some asbestos remains, primarily in the form of 9x9 inch floor tiles, pipe insulation and window caulking. Building controls are original pneumatics.

This building has the highest potential return on investment for fuel switching.

Chester-Andover Elementary

The Chester-Andover Elementary School is an approximately 50,000sf metal framed structure with cement block infill and red brick veneer exterior. It was built in 1954 and a classroom wing was added in 1966.

Cavendish Elementary

The Cavendish Elementary School is a 26,000sf wood framed building with a light truss roof structure. The roofs have inadequate insulation resulting in ice damming.

Major ice dams are occurring at the roof over the kitchen due to heat reaching the underside of the roof sheathing. We propose to air seal all penetrations with spray foam at the ceiling plane, then insulating with cellulose up to R-49 to comply with VT commercial building energy standards. Roof venting from soffits will need to be verified. Where needed exposed ductwork will be insulated up to code.

3.Utility Data Analysis

Below is our energy consumption analysis of the school buildings. We used historical oil delivery data as well as water consumption and electrical bills to generate these results. To understand how the buildings behave during the heating and cooling seasons we analyzed consumption as it relates to the heating (HDD) and cooling (CDD) degree days. This gives us a baseline to understand how the building will react to changes that we make to the heating and cooling systems and building envelope.

During the 2018-2019 fiscal year, the three building areas had a total demand of nearly 70,000 gallons #2 heating oil and 840,000 kWhs of electricity. The average price per gallon of oil that year was $2.58 per gallon.

Total cost of oil and electricity exceeded $300,000 for the three schools.

As fuel conversion is a major potential option and due to the volatility of heating oil prices, EEI obtained quotes for alternative heating sources which included fuel oil, propane, and wood pellets. The Two Rivers Supervisory Union has elected to consider converting all three schools from oil to propane.

Utility Analysis

		Area (sq ft)
Building Areas	Green Mountain Union High School	120,000
	Chester-Andover Elementary School	49,200
	Cavendish Town Elementary School	26,300

Annual Utility Data (2018-2019)		GMUHS		CAES		CTES	
	Oil (gal)	46,420	$120,760	17,672	$44,952	5,663	$14,792
	Electricity (kWh)	595,507	$80,664	126,560	$28,508	116,333	$18,514
	Water (gal)	797,090	$3,157	324,699	$1,949	No meter	$7,365

Utility rates (2018-2019)				
	Oil ($/Gallon)	$2.584	$2.544	$2.612
	Electricity ($/kWh)	$0.135	$0.225	$0.159
	Water ($/gal)	$0.004	$0.006	NA

Chester, VT			
	Outside design Temp (°F)		
		Summer	82/55
		Winter	47/17
	Balance point 65°		
		HDD	7853
		CDD	486

4.Economic Analysis

Making good economic decisions requires analysis of available information, and understanding the time value of money. A Discounted Life Cycle Cost Analysis (DLCCA) is very useful for this type of situation where multiple alternatives are being evaluated. This is the Federal Energy Management Program (FEMP) approved method of analysis and is used to aid in decisions that are based on the most favorable economic outcome.

This project will be funded through a cost neutral loan or lease with the final finance vehicle to be selected by the school board.

EEI will apply for rebates from Efficiency Vermont and GMP for this project.

In the current market, most school districts want to limit their dependence on #2 oil due to high price, high carbon content, and dramatic price fluctuations. EEI is working with many other area school districts to reduce their dependence on #2 fuel oil by conversion or partial conversion of buildings to either natural gas, propane, or wood pellet. For Two Rivers the best current option is propane.

These are the key assumptions made for our Economic Analysis: The baseline fuel usage from the 2018-2019 fiscal year for all three schools; Building interior lighting fixtures were assumed to run 2,000 hours per year based on observation and interviews with staff; Exterior fixtures were assumed to run 1,825 hours per year.

5.Energy Conservation Measures

Here we define the Energy Conservation Measures (ECM) we have evaluated for this project with discussion of the specific measures on a building by building basis. Careful consideration was given to each measure and its interaction with overall building performance.

Boiler Replacement (GMU1, CAE5, CES2)

EEI will convert all three schools to propane boilers (see appendix D for sample equipment cut sheet). GMUHS and CAES will get new condensing boilers. Existing CTES boilers will be converted to propane from oil.

Propane has the advantages that it is typically less costly in areas where it is easily accessible, it emits 37 percent less greenhouse gas than oil for the same heating production, and propane equipment is typically more efficient than oil as well.

Condensing boilers increase efficiency by recovering the latent heat of water vapor in the boiler exhaust gases. This increases efficiencies to as high as 98% from a typical 70-80% for non-

condensing units. Pictured above are existing fuel oil pumps at the GMUHS.

Conversion to Propane now would make a future conversion to natural gas much easier, should delivered or distributed natural gas become available locally. At left are existing boilers at CAES which will be converted to propane.

EEI has proposed an oil-to-propane conversion at all three locations. This will include the removal of the existing buried oil tanks at GMUHS and CTES. Removing these tanks now will be a major future cost avoidance as State law would require that oil tanks and lines be replaced at some point.

At the GMUHS, the entire mechanical room will be updated with new pumps, Variable Frequency Drives (VFDs), and digital controls. The two existing boilers will be replaced with 3 new Viessmann condensing units which will provide all heating and provide redundancy.

Kitchen Renovation (GMU1, GMU5)

EEI proposes to completely renovate the GMUHS kitchen including ceilings, finishes, conversion to propane gas, and the following equipment.

- PLANETARY MIXER
- Work Table 72 x 30
- Mobile pan rack
- Bun Pan rack (3)
- 26" Impulse sell rack (chips etc.)
- Coffee station pan rack 21 x 29 x 36H
- Coffee Brewer CWTF 2up/1dn
- 72 x 30 worktable with Pot rack / utensil bar
- 72 x 30 worktable adjoined to table above
- 72 x 30 work table with drawer
- 72 x 30 work table with single overshelf / spice rack Utility carts (7)
- 48 x 30 worktable on casters
- True Mfg milk cooler
- HEATED HOLDING PROOFING CABINET, MOBILE
- CONVECTION OVEN, GAS

- TILTING SKILLET BRAISING PAN, ELECTRIC
- RANGE, 60", 6 BURNERS, 24" GRIDDLE
- MEAT SLICER
- MILK COOLER
- Walk-in Cooler / Freezer Combination ~109”x241"x88"H
- DISHWASHER, CONVEYOR TYPE

Envelope Upgrades (GMU3, CES5)

EEI completed a detailed building audit, verified air leakage locations, and found opportunities to improve building performance and save energy. Air leakage is caused by pressure differences and is subject to variations in wind velocity and HVAC system details. In order to control heating and cooling loads and allow the mechanical systems to operate effectively, pressure differences from the outdoor environment to the indoor building spaces must be controlled. The best way to do this is by tightening the building envelope by insulating and air sealing. This will extend the life cycle of the building by protecting it from the elements and will minimize moisture carried by the air penetrating the building. Also insulation and air sealing increases thermal performance of the building and the comfort, health, and safety of the building occupants.

Leaks were found in all three buildings, allowing heat to be lost during the winter and gained during the summer. These openings include gaps around doors, ceiling connections, pipe penetrations and windows. Also, ceiling beams and ceiling to wall connections contribute to leakage in some buildings. There are a number of building envelope defects and deficiencies that are contributing to higher than necessary air infiltration or exfiltration. The defects also accelerate the deterioration of building components and increase maintenance costs. By replacing windows, insulating and air sealing, we will increase the energy performance of the building and improve the air quality, limiting contaminants and moisture from outside penetrating the buildings. At

left is pictured window flashing failure at GMUHS.

EEI proposes weatherization improvements including attic insulation, piping insulation, window replacement and caulking, exterior door weather-stripping, and sealing roof-wall joints, where necessary. This will prevent infiltration and improve the insulating properties of the buildings.

During the door weatherproofing process, door sweeps will be installed or replaced and hinges inspected to ensure proper mechanical functioning. Windows will be replaced or re-caulked around the rough-in perimeter, and locations along the soffit and fascia will be sealed. Roof penetrations, wall joints and any other envelope penetrations will be properly sealed. The implementation of effective air sealing treatments, such as weather-stripping all exits and entries and compartmentalizing fire stairwell doors, sealing off air leakage from windows, rooftop mechanical curbs, sealing the intersection of structural assemblies, and sealing a variety of penetrations throughout each building will all be included in the detailed scope of work to be provided. Above you can see window seal failure at Green Mountain Union High School. At left are single pane windows at Chester-Andover Elementary.

Ventilation upgrades (GMU2, CAE6)

EEI will install a carbon dioxide based demand control ventilation system that will improve the movement of fresh air into areas that have varying occupancy patterns and currently use large amounts of unconditioned outside air (such as gymnasiums, auditoriums, etc…) while minimizing the energy required to condition the air using heat recovery.

Controlling the amount of outside air introduced into the spaces will lead to energy savings through the decrease in thermal energy needed to condition the outside air when air flow is decreased during low/no occupancy periods.

EEI has proposed installation of demand control sensors at all three schools.

Additionally, at GMUHS we will remove the existing Unit Ventilators (UV's) beneath exterior windows and add 15 rooftop ventilation units, 7 of them Heat Recovery units (HRV's). We will reuse the water distribution system and

enhance comfort by installing perimeter radiant heating panels.

There will be a similar upgrade at the CTES with the removal of existing UVs, installation of 6 rooftop Energy Recovery Ventilators (ERVs), and installation of perimeter radiant panels.

There will be upgrades to the CAES ventilation system that will include an ERU for the gym as well as upgraded controls.

Controls Upgrade (GMU4, CAE7, CES4)

Direct Digital Controls (DDC) are designed to provide overall building scheduling and setback capability, and can be accessed or modified using any computer web browser. It is very important to have the ability to trend the space temperatures and run times of equipment. A more advanced control strategy will limit the amount of time heating and air conditioning runs thereby saving energy and wear on equipment.

This project includes a comprehensive DDC system installation or upgrade at all three locations. The system will be web based, for remote monitoring and all existing pneumatic controls and valves will be replaced by electronic control systems.

Electrical Upgrades (GMU6, GMU13, CAE1)

EEI evaluated the electrical systems of the school buildings and determined that the existing transformers at Green Mountain Union High School are standard efficiency models and are not designed to handle the loads of today's modern facilities. The most common efficiency for commercial and industrial transformers supplying linear loads in the 30-70 kVA range is 95%. Conventional transformer losses are non-linear, increasing by 2.7 times when feeding computer loads. If transformers are not properly vented to the exterior, their heat output adds to the building cooling load.

Transformer	Size (kVa)
T1	112.5
T2	75
T3	75
T4	112.5
T5	30
T6	112.5
T7	30
T8	45
T9	15

EEI proposes the replacement of existing transformers at GMUHS with new high efficiency units in order to improve the energy efficiency of the electrical distribution systems. The scope of work for this measure includes:

- Arrange for the delivery of purchased transformers to be stored at pre-arranged location
- Remove and replace each transformer
- Stage old transformers on site in a pre-designated area until disposal can be arranged
- Make all necessary provisions for removal and disposal of all old transformers and a 25 year product warranty

We will also upgrade the undersized service entrance at the GMUHS and replace the Federal Pacific brand sub-panels at the CAES. These panels are non-standard and difficult to maintain.

Elevator (GMU7)

The project includes an elevator upgrade at the GMUHS that will bring it into full code compliance.

Code and ADA Issues (GMU7, GMU8, GMU9)

EEI proposes the following Code and ADA upgrades:

- Elevator controls will be upgraded
- Full automatic NFPA compliant sprinkler system throughout
- All guardrails and handrails replaced. Handrails added where missing
- 55 doors and hardware replaced. All wireglass in sidelites replaced with tempered safety glazing
- Lift added to access the stage in the auditorium
- Bathrooms renovated to be handicapped accessible. The bathroom groupings at the main entrance and near the gym to be completely redone in a new layout. New single user toilet added at 2nd floor classroom wing. Miscellaneous renovations at other bathroom groupings to introduce ADA compliant plumbing fixture clearances

Low flow devices will be installed to reduce the amount of water used in the buildings. Locations for low flow device installation include restrooms, locker rooms, kitchens, and staff lounges. Reducing the amount of water with high quality low flow devices can save significant amounts of energy and water.

EEI has completed a detailed survey of the School District's buildings to determine water consumption for the schools. This ECM is designed to reduce water consumption, wastewater production and hot water energy usage through the installation of highly efficient plumbing products and controls. Low Flow Devices are important because they provide durable,

long-term use with minimal maintenance, improved hygiene, and energy efficiency.

The installation of this type of equipment will:

- Lower operating costs by reducing the amount of water being used per toilet/urinal flush or sink use
- Improve appearance of older fixtures by replacing with new, high efficiency ones
- Lower maintenance costs associated with plumbing leaks, clogs and breakage by replacing older fixtures with new, high efficiency ones

EEI proposes to change out older, high flow fixtures in order to meet or exceed the requirements of the Energy Act of 1992 which requires that toilet water use is limited to 1.6 gallons per flush, shower heads are limited to 2.5 gallons per minute, and faucets deliver less than 2.0 gallons per minute.

Fire Alarm and Sprinkler System (GMU9, CAE2, CES6)

EEI will provide a full building sprinkler system at the GMUHS that will be compliant with all NFPA requirements. This will include all new black iron piping and sprinkler heads in the center of ceiling tiles or dropped below where clearances require. The system will include:

- Backflow preventer as required by the Chester Water Department
- Complete wet sprinkler system design to NFPA #13 for Floors 1-3 with Semi Recessed white pendent
- Two standpipes in stage area with exposed 2 1/2” brass fire department connections with 1 1/2” brass reducers
- Drawings to be stamped and approved by State Fire Marshal Office and Chester Fire Department

Ceiling, Painting, Asbestos and Flooring (GMU10)

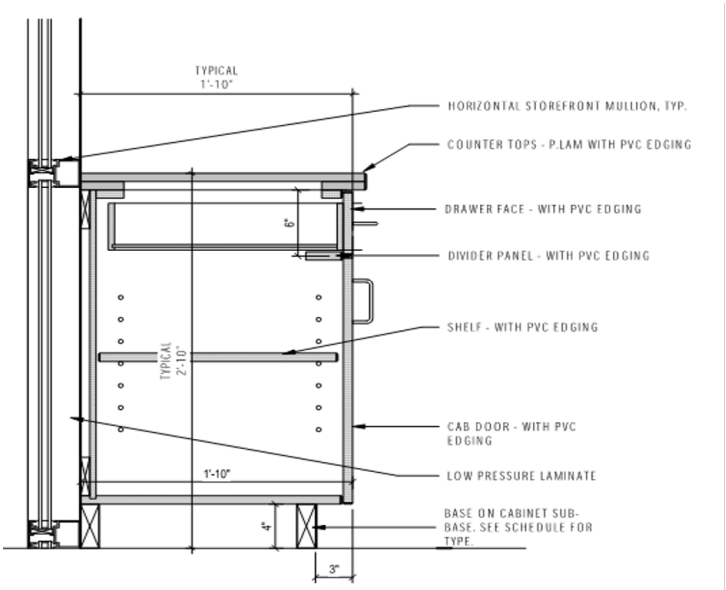
This project will include:

- Selective Finishes Replacement
- Hazardous material removal and corresponding finishes replacement
- Suspended ceiling replacement associated with ME renovations
- Removal and replacement of all remaining asbestos floor tiles
- Other asbestos removal where appropriate including pipe insulation and window caulking
- Repainting as needed

Millwork & Carpentry (GMU11)

The removal of the old unit ventilators from under the windows at GMUHS will leave a gap in the cabinetry. We will infill these areas with new lower cabinets and counter tops that come up to the new window level. These will consist of 86 cabinets @ approx. 6”2” wide and another 19 @ approx. 14’0” wide.

At right is a side view of the proposed cabinet and an example of where they will be located.



The existing windows are original to the building and showing signs of their age. We plan to replace all windows on the exterior of the building as shown on elevation drawings. The lower area where there are now louvers will be replaced with an insulated panel, the operational windows will now work on a crank opening an awning style window to help bring in fresh air but keep the windows safer from falls. There are also areas throughout that we propose changing from standard glass to a “lami” glass, this is a low E-Argon window with a low U rating ranging between 0.24 – 0.33 and a SHGC rating ranging between 0.22 – 0.27. This is an opaque glass that will help cut down on the solar glare.

Brick Repointing (GMU12)

We will inspect the full brick veneer perimeter for failing mortar. We will repoint as needed.

Pavement Modifications (GMU14, CAE8)

EEI proposes repave the GMUHS and CAES lots and to add new paving at the CAES.

GMUHS – Approx. 160,000 sq/ft of driveway, parking lot & Some walkways

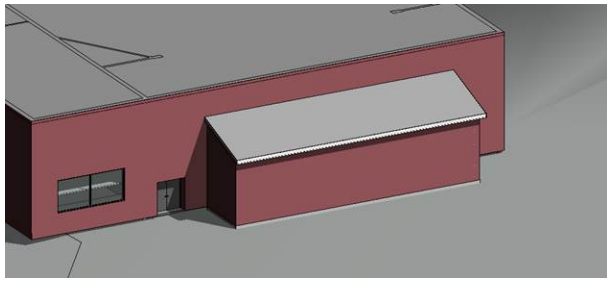
- Direct repave of existing asphalt. Grind up existing asphalt and repave over the entire complex's asphalt

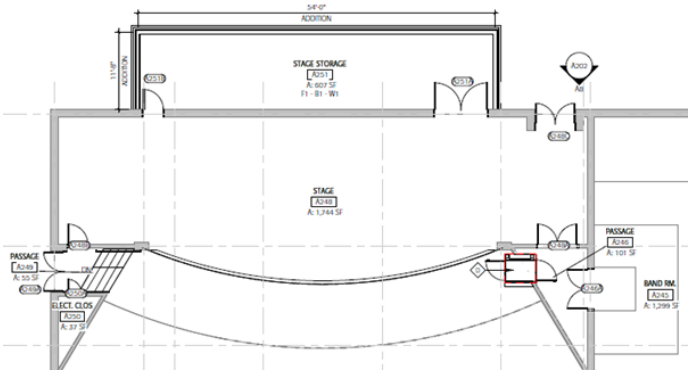
CAES – Approx. 60,000 sq/ft of driveway & parking

- Direct repave of existing asphalt. Grind up existing asphalt and repave over the entire complex's asphalt
- 22,000 sq/ft of new parking lot in existing field. Assume all cut of existing, new sub-base, and new asphalt

Storage Addition (GMU15)

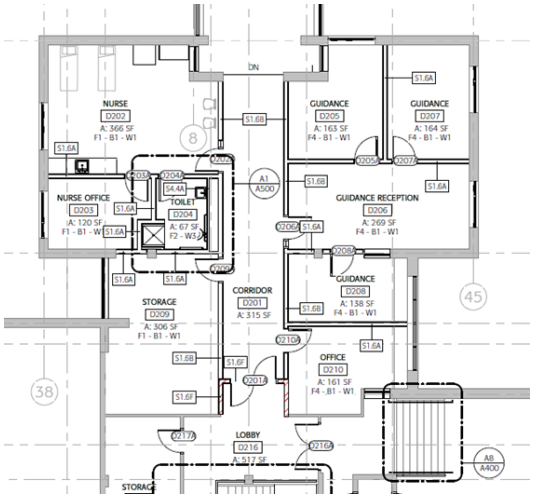
EEI proposes to build a storage addition as pictured to the right. This addition will match the style and appearance of the existing building. Floor plan below.





Locker Room Renovation (GMU16)

Two sections of locker room at the GMUHS will be renovated into an examination room and office for the school nurse and a three office guidance space with a reception area. This concept is shown to the right.



Softball Field (GMU17)

We will provide a high school grade softball field at the GMUHS with backstop, bleachers and dugout, as well as all required earthwork and grading.

Lighting Upgrades (GMU1, CAE4, CES1)

EEI performed a detailed survey of the interior and exterior spaces in order to identify opportunities in which we can improve lighting quality, reduce maintenance costs, and save energy. The schools currently use a combination of T8 and T12 fluorescent lighting. We propose to replace existing fixtures with new high efficiency LED lighting.

The existing lighting demand per fixture, hours of operation, fixture quantities, and recommended retrofits are based on the physical inspection and site visits conducted by EEI. As a result of the survey and analysis, EEI has developed a high efficiency lighting upgrade project that will provide the district with new energy efficient lighting fixtures resulting in guaranteed annual energy savings and a reduction in electrical demand.

LED lighting provides excellent illumination, longer life expectancy, and reduced power consumption. Standardizing all fixtures and lamps will substantially reduce future maintenance requirements. New lighting will meet or exceed existing light levels while saving energy.

LED fixtures in a school environment have an estimated life of more than 20 years. There is significant maintenance savings through reduced replacement cost and installation labor when LED fixtures are used due to this longer lifespan.

EEI will replace exterior metal halide, high pressure sodium, and parking lot lighting with LED fixtures and lamps. LED lighting provides excellent illumination and has longer life expectancy producing savings in electric consumption and maintenance costs.

Appendix A – GMUHS Architectural Drawings (38 pages)

GREEN MOUNTAIN UNION HIGH SCHOOL

716 VT-103, Chester, VT 05143
Pre-Bond Pricing
12-3-2021

Team List

OWNER:
TWO RIVERS SUPERVISORY UNION
609 VT ROUTE 103
LUDLOW, VT 05149

CONSTRUCTION MANAGER:
ENERGY EFFICIENT INVESTMENTS
19 STAR DRIVE
MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
BANWELL ARCHITECTS, NH
6 SOUTH PARK STREET
LEBANON, NH 03766
T: (603) 448-3778

MEP/FP:

GENERAL

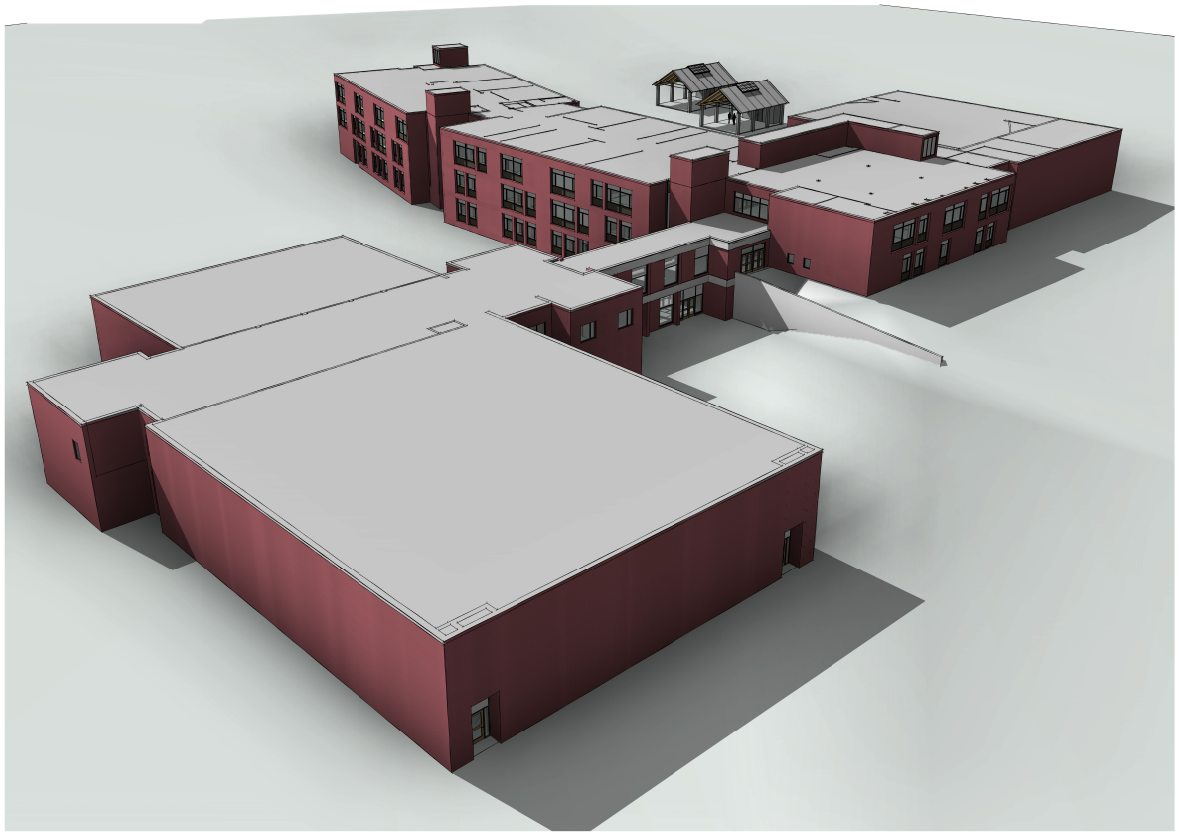
G000	COVERSHEET
G101	CODE ANALYSIS - LEVEL 1
G102	CODE ANALYSIS - LEVEL 2
G103	CODE ANALYSIS - LEVEL 3

ARCHITECTURAL DEMOLITION

AD101BC	LEVEL 1 DEMOLITION PLAN - AREA B & C
AD101D	LEVEL 1 DEMOLITION PLAN - AREA D
AD102A	LEVEL 2 DEMOLITION PLAN - AREA A
AD102BC	LEVEL 2 DEMOLITION PLAN - AREA B & C
AD102D	LEVEL 2 DEMOLITION PLAN - AREA D
AD103A	LEVEL 3 DEMOLITION - AREA A
AD103BC	LEVEL 3 DEMOLITION PLAN - AREA B & C

ARCHITECTURAL

A001	GENERAL NOTES, ABBREVIATIONS, ANNOTATIONS LEGENDS, & WALL TYPES
A111BC	LEVEL 1 AREA B & C
A111D	LEVEL 1 AREA D
A112A	LEVEL 2 AREA A
A112BC	LEVEL 2 AREA B & C
A112D	LEVEL 2 AREA D
A113A	LEVEL 3 AREA A
A113BC	LEVEL 3 AREA B & C
A121BC	LEVEL 1 AREA B & C Reflected Clg
A121D	LEVEL 1 AREA D Reflected Clg
A122A	LEVEL 2 AREA A Reflected Clg
A122BC	LEVEL 2 AREA B & C Reflected Clg
A122D	LEVEL 2 AREA D Reflected Clg
A123A	LEVEL 3 AREA A Reflected Clg
A123BC	LEVEL 3 AREA B & C Reflected Clg
A201	EAST ELEVATION
A202	NORTH ELEVATION
A203	WEST ELEVATION
A204	SOUTH ELEVATION
A400	ENLARGED STAIR AND ELEVATOR PLANS AND SECTIONS
A401	ENLARGED STAIR AND ELEVATOR PLANS AND SECTIONS
A500	ENLARGED RESTROOM PLANS & SCHEDULES
A601	DOOR SCHEDULES & ELEVATIONS
A602	DOOR SCHEDULES
A603	EXTERIOR DOOR & WINDOW TYPES
A710	CASEWORK
A750	PAVILIONS



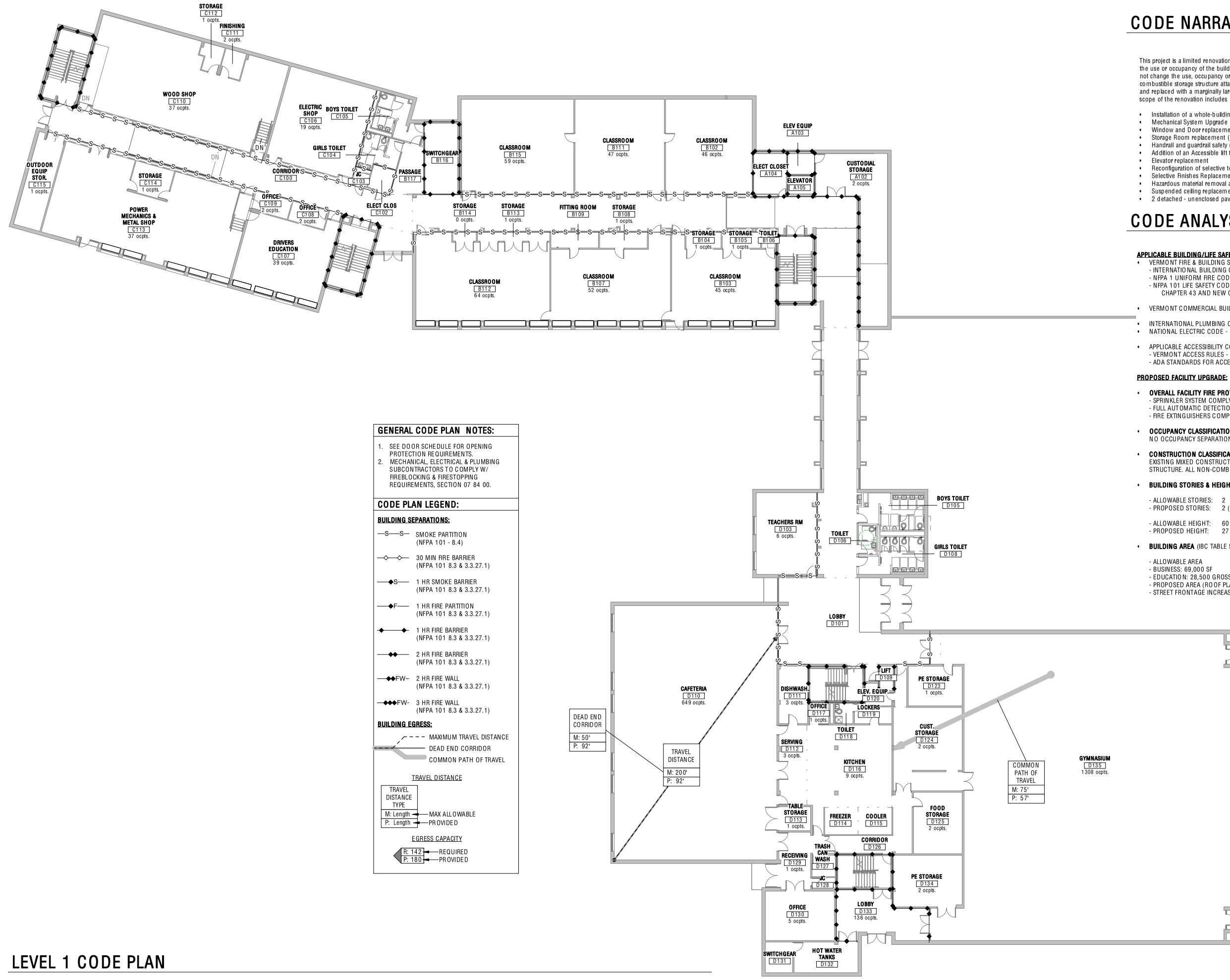
banwell

DATE: 12-3-2021

ISSUED AS: Pre-Bond Pricing

PROJECT NO: 21-806

PROJECT: GREEN MOUNTAIN UNION HIGH SCHOOL



GENERAL CODE PLAN NOTES:

1. SEE DOOR SCHEDULE FOR OPENING PROTECTION REQUIREMENTS.
2. MECHANICAL, ELECTRICAL & PLUMBING SUBCONTRACTORS TO COMPLY W/ FIREBLOCKING & FIRESTOPPING REQUIREMENTS, SECTION 07 84 00.

CODE PLAN LEGEND:

BUILDING SEPARATIONS:

- —S—S— SMOKE PARTITION (NFPA 101 - 8.4)
- 30 MIN FIRE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- 1 HR SMOKE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- 1 HR FIRE PARTITION (NFPA 101 8.3 & 3.3.27.1)
- 1 HR FIRE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- 2 HR FIRE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- FW- 2 HR FIRE WALL (NFPA 101 8.3 & 3.3.27.1)
- FW- 3 HR FIRE WALL (NFPA 101 8.3 & 3.3.27.1)

BUILDING EGRESS:

- MAXIMUM TRAVEL DISTANCE
- DEAD END CORRIDOR
- COMMON PATH OF TRAVEL

TRAVEL DISTANCE

TRAVEL DISTANCE TYPE
M: Length — MAX ALLOWABLE
P: Length — PROVIDED

EGRESS CAPACITY

R: 142 — REQUIRED
P: 180 — PROVIDED

LEVEL 1 CODE PLAN

OCCUPANCY LOADS - LEVEL 1					
Name	Number	Area	Area Per Occupant	Use Classification (Per NFPA 101 table 7.3.1.2))	Occupants
TESTEST	11		100 SF	Business - General	26
GUIDANCE	14			(none)	
Room	15			(none)	
OFFICE?	21			(none)	
STORAGE	25		500 SF	Storage Use - Non-storage or mercantile occupancies	
STORAGE	26		500 SF	Storage Use - Non-storage or mercantile occupancies	1
Room	28			(none)	
Room	31			(none)	
STAIR	A12	246 SF		(none)	
COORIDOR	A101	374 SF		(none)	
CUSTODIAL STORAGE	A102	722 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	2
ELEV EQUIP	A103	62 SF	0 SF	Non-occupied spaces	
ELECT CLOSET	A104	154 SF	0 SF	Non-occupied spaces	
ELEVATOR	A105	49 SF		(none)	
BOYS	A231			(none)	
TOIL.	A232			(none)	
HEALTH RECEPT.	A233			(none)	
TOIL.	A234			(none)	
GIRLS	A235			(none)	
STORAGE	A236			(none)	
CLASSROOM	B102	892 SF	20 SF	Educational - Classrooms	46
CLASSROOM	B103	878 SF	20 SF	Educational - Classrooms	45
STORAGE	B104	62 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
STORAGE	B105	77 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
TOILET	B106	22 SF		(none)	
CLASSROOM	B107	1,028 SF	20 SF	Educational - Classrooms	52
STORAGE	B108	84 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
FITTING ROOM	B109	70 SF		(none)	
CLASSROOM	B111	921 SF	20 SF	Educational - Classrooms	47
CLASSROOM	B112	1,258 SF	20 SF	Educational - Classrooms	64
STORAGE	B113	72 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1

OCCUPANCY LOADS - LEVEL 1					
Name	Number	Area	Area Per Occupant	Use Classification (Per NFPA 101 table 7.3.1.2))	Occupants
STORAGE	B114	23 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	0
CLASSROOM	B115	1,159 SF	20 SF	Educational - Classrooms	59
SWITCHGEAR	B116	253 SF	0 SF	Non-occupied spaces	
PASSAGE	B117	142 SF		(none)	
CR ALCOVE	B308			(none)	
CR ALCOVE	B309			(none)	
STAIR	C11	237 SF		(none)	
STAIR	C21	255 SF		(none)	
CORRIDOR	C100	1,411 SF		(none)	
ELECT CLOS	C102	57 SF	0 SF	Non-occupied spaces	
JC	C103	20 SF	0 SF	Non-occupied spaces	
GIRLS TOILET	C104	132 SF		(none)	
BOYS TOILET	C105	170 SF		(none)	
ELECTRIC SHOP	C106	904 SF	50 SF	Educational - Shops, laboratories, vocational rooms	19
DRIVERS EDUCATION	C107	766 SF	20 SF	Educational - Classrooms	39
OFFICE	C108	77 SF	100 SF	Business - General	2
OFFICE	C109	78 SF	100 SF	Business - General	2
WOOD SHOP	C110	1,796 SF	50 SF	Educational - Shops, laboratories, vocational rooms	37
FINISHING	C111	63 SF	50 SF	Educational - Shops, laboratories, vocational rooms	2
STORAGE	C112	58 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
POWER MECHANICS & METAL SHOP	C113	1,815 SF	50 SF	Educational - Shops, laboratories, vocational rooms	37
STORAGE	C114	134 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
OUTDOOR EQUIP STOR.	C115	272 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
Room	C323			(none)	
STAIR	D2	199 SF	0 SF	Non-occupied spaces	
STAIR	D11	185 SF	0 SF	Non-occupied spaces	
VEST.	D100	102 SF		(none)	0
LOBBY	D101	1,133 SF		(none)	
CORRIDOR	D102	970 SF		(none)	
TEACHERS RM	D103	538 SF	100 SF	Business - General	6
BOYS TOILET	D105	226 SF		(none)	

OCCUPANCY LOADS - LEVEL 1					
Name	Number	Area	Area Per Occupant	Use Classification (Per NFPA 101 table 7.3.1.2))	Occupants
TOILET	D106	56 SF		(none)	
GIRLS TOILET	D108	212 SF		(none)	
LIFT	D109	35 SF		(none)	
CAFETERIA	D110	4,536 SF	7 SF	Assembly - Concentrated use, without fixed seating	649
DISHWASH.	D111	179 SF	100 SF	Assembly - Kitchens	3
SERVING	D112	243 SF	100 SF	Assembly - Kitchens	3
TABLE STORAGE	D113	84 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
FREEZER	D114	99 SF	0 SF	Non-occupied spaces	
COOLER	D115	101 SF	0 SF	Non-occupied spaces	
KITCHEN	D116	796 SF	100 SF	Assembly - Kitchens	9
OFFICE	D117	43 SF	100 SF	Business - General	1
TOILET	D118	40 SF		(none)	
LOCKERS	D119	72 SF		(none)	
ELEV. EQUIP.	D120	53 SF	0 SF	Non-occupied spaces	
PASSAGE	D121	23 SF		(none)	
PASSAGE	D122	53 SF		(none)	
PE STORAGE	D123	235 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
CUST. STORAGE	D124	621 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	2
FOOD STORAGE	D125	327 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	2
CORRIDOR	D126	260 SF		(none)	
TRASH CAN WASH	D127	54 SF		(none)	
JC	D128	31 SF	0 SF	Non-occupied spaces	
RECEIVING	D129	220 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
OFFICE	D130	374 SF	100 SF	Business - General	5
SWITCHGEAR	D131	92 SF	0 SF	Non-occupied spaces	
HOT WATER TANKS	D132	214 SF	0 SF	Non-occupied spaces	
LOBBY	D133	406 SF	3 SF	Assembly - Waiting Spaces	136
PE STORAGE	D134	387 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	2
GYMNASIUM	D135	9,150 SF	7 SF	Assembly - Concentrated use, without fixed seating	1308
TOILET	D211			(none)	
Grand total					2616

CODE NARRATIVE

This project is a limited renovation of an existing high school. The renovation does not change the use or occupancy of the building. With the exception noted below, the renovation does not change the use, occupancy or construction type of the existing building. An existing, combustible storage structure attached to the existing auditorium stage is being demolished and replaced with a marginally larger non-combustible storage room structure. The following scope of the renovation includes but is not limited to:

- Installation of a whole-building Fire Suppression System
- Mechanical System Upgrade
- Window and Door replacement throughout
- Storage Room replacement (as noted above)
- Handrail and guardrail safety replacements at stairs and ramps
- Addition of an Accessible lift to Auditorium Stage
- Elevator replacement
- Reconfiguration of selective toilet rooms and added toilet rooms for accessibility
- Selective Finishes Replacement
- Hazardous material removal and corresponding finishes replacement
- Suspended ceiling replacement associated with MEP renovations
- 2 detached - unenclosed pavilions

CODE ANALYSIS

APPLICABLE BUILDING/LIFE SAFETY CODES:

- VERMONT FIRE & BUILDING SAFETY CODE - 2015 - 20 V.S.A. CHAPTER 173.2
  - INTERNATIONAL BUILDING CODE (IBC) - 2015 EDITION, AS AMENDED
  - NFPA 1 UNIFORM FIRE CODE - 2015 EDITION
  - NFPA 101 LIFE SAFETY CODE - 2015 EDITION
    CHAPTER 43 AND NEW OCCUPANCY CHAPTER
- VERMONT COMMERCIAL BUILDING ENERGY STANDARDS - 2020 EDITION
- INTERNATIONAL PLUMBING CODE (IPC) - 2018 EDITION
- NATIONAL ELECTRIC CODE - NFPA 70 - 2017
- APPLICABLE ACCESSIBILITY CODES & STANDARDS:
  - VERMONT ACCESS RULES - 2012 EDITION
  - ADA STANDARDS FOR ACCESSIBLE DESIGN - 2013 EDITION

PROPOSED FACILITY UPGRADE:

- **OVERALL FACILITY FIRE PROTECTION**
  - SPRINKLER SYSTEM COMPLYING WITH NFPA 13
  - FULL AUTOMATIC DETECTION FIRE ALARM SYSTEM COMPLYING WITH NFPA 72
  - FIRE EXTINGUISHERS COMPLYING WITH IBC 906.1
- **OCCUPANCY CLASSIFICATION:** MULTIPLE / MIXED NON-SEPARATED
  NO OCCUPANCY SEPARATION REQUIRED PER TABLE 508.4.
- **CONSTRUCTION CLASSIFICATION:** TYPE - IIB
  EXISTING MIXED CONSTRUCTION: MASONRY EXTERIOR WALLS AND CONCRETE PRIMARY STRUCTURE. ALL NON-COMBUSTIBLE EXISTING SECONDARY STRUCTURE.
- **BUILDING STORIES & HEIGHT** (IBC TABLE 504.3): SPRINKLERED
  - ALLOWABLE STORIES: 2
  - PROPOSED STORIES: 2 (EXISTING)- COMPLIES
  - ALLOWABLE HEIGHT: 60 FEET
  - PROPOSED HEIGHT: 27 FEET (EXISTING)- COMPLIES
- **BUILDING AREA** (IBC TABLE 506.2)
  - ALLOWABLE AREA
  - BUSINESS: 69,000 SF
  - EDUCATION: 28,500 GROSS SF MAXIMUM
  - PROPOSED AREA (ROOF PLAN): ----- GROSS SF -
  - STREET FRONTAGE INCREASE (IBC 506.2) - *NOT REQUIRED*

FIRE RESISTANCE RATINGS REQUIREMENTS:

- **BUILDING ELEMENTS** (TABLE 601)
  - PRIMARY STRUCTURAL FRAME: 0 HR
  - EXTERIOR BEARING WALLS: 0 HR
  - INTERIOR BEARING WALLS: 0 HR
  - EXTERIOR NON-BEARING WALLS: 0 HR
    - IBC 2603.3
      - FLAME SPREAD INDEX OF 75 (MAX)
      - SMOKE-DEVELOPED INDEX OF 450 (MAX)
  - INTERIOR NON-BEARING WALLS: 0 HR
  - FLOOR CONSTRUCTION: 0 HR
  - ROOF CONSTRUCTION: 0 HR
  - EXIT ACCESS CORRIDORS: 0 HR (IBC TABLE 1020.1); 0 HR SMOKE BARRIER (NFPA 101 14.3.6)
  - EXIT ENCLOSURES: 1 HR (7.1.3.2.1(1))
  - SHAFTS: 1 HR (8.6.5(2))
  - FLOORS: SMOKE BARRIER (8.6.1)
- **INCIDENTAL ACCESSORY OCCUPANCIES** (TABLE 508.2.5, NFPA101: 14.3.2.1)
  - BOILER ROOMS W/ EQUIPMENT OVER 15 PSI AND 10 HP:
    1 HR or AUTO FIRE-EXTINGUISHING SYSTEM
- **PROTECTION FROM HAZARDS** (NFPA101: 14.3.2.1 & 15.3.2.1)
  - NEW JANITOR CLOSETS: 1 HR or AUTO FIRE-EXTINGUISHING SYSTEM
- **NFPA 285 NOT REQUIRED FOR TYPE V BUILDINGS** (IBC 1403.5 & 2603.5)

MEANS OF EGRESS REQUIREMENTS:

EDUCATION:
- MAXIMUM TRAVEL DISTANCE: 250 FEET (IBC TABLE 1017.1); **200 FEET (NFPA 101 14.2.6.3)**
- MAXIMUM DEAD-END CORRIDOR LENGTH: **50 FEET (IBC 1020.4)**
- MAXIMUM COMMON PATH OF TRAVEL: **75 FEET (IBC 1006.2.1)**; 100 FEET (15.2.5.3.1)
- MIN CORRIDOR WIDTH:
  - EGRESS WIDTH: IBC: 6 FEET MIN (1018.2) OR 0.2" PER OCC (IBC 1005)
    NFPA 101: 6 FEET MIN (14.2.3.2) OR 0.2" PER OCC (7.3.3.1)
  - STAIRWAYS: IBC: 44 INCHES MIN (1011.2) OR 0.3" PER OCC (1005)
    NFPA 101: 44 INCHES MIN (7.2.2.2.1.2(B) OR 0.3" PER OCC (7.3.3.1)

ENERGY CODE - MINIMUM THERMAL ENVELOPE REQUIREMENTS (CLIMATE ZONE 6):

LOCATION	REQUIRED	PROVIDED
- FIXED FENESTRATION- STOREFRONT	U-0.36	<U-0.36
- OPERABLE FENESTRATION- STOREFRONT EXIT:	U-0.55	<U-0.55
- OPERABLE FENESTRATION- HM DOORS	U-0.55	U-0.12
- ENTRANCE DOORS: STOREFRONT	U-0.55	<U-0.55

PLUMBING REQUIREMENTS:

OCCUPANT LOAD:
- EDUCATION --- OCCUPANTS

- WATER CLOSETS:	MALE	FEMALE
EDUCATION: 1 PER 50	1.02	1.02
BUSINESS: 1 PER 25	.14	.14
TOTAL REQUIRED	1.16	1.16
TOTAL PROVIDED	2	2

- LAVATORY	MALE	FEMALE
EDUCATION: 1 PER 50	1.07	1.07
BUSINESS: 1 PER 40	.09	.09
TOTAL REQUIRED	1.16	1.16
TOTAL PROVIDED	2	2

- DRINKING FOUNTAINS: - EXISTING TO REMAIN
- SERVICE SINK: - EXISTING TO REMAIN

- ACCESSIBLE TOILET ROOMS: NEW TOILET ROOMS ARE REQUIRED TO BE ACCESSIBLE (ADA 213.2);
- WHERE MULTIPLE SINGLE USER TOILET ROOMS ARE PROVIDED 50% ARE TO BE ACCESSIBLE (ADA 213.2, EXCEPTION 4)

banwell ARCHITECTS
THE CARRIAGE HOUSE
6 SOUTH PARK STREET
LEBANON, NH 03766
T: 603 448 3778

CONSULTANTS / DESIGN TEAM:

OWNER:
TWO RIVERS SUPERVISORY UNION
609 VT ROUTE 103
LUDLOW, VT 05149

CONSTRUCTION MANAGER:
ENERGY EFFICIENT INVESTMENTS
19 STAR DRIVE
MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
BANWELL ARCHITECTS, NH
6 SOUTH PARK STREET
LEBANON, NH 03766
T: (603) 448-3778

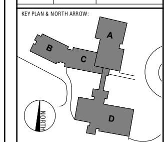
MEP/FP:

VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



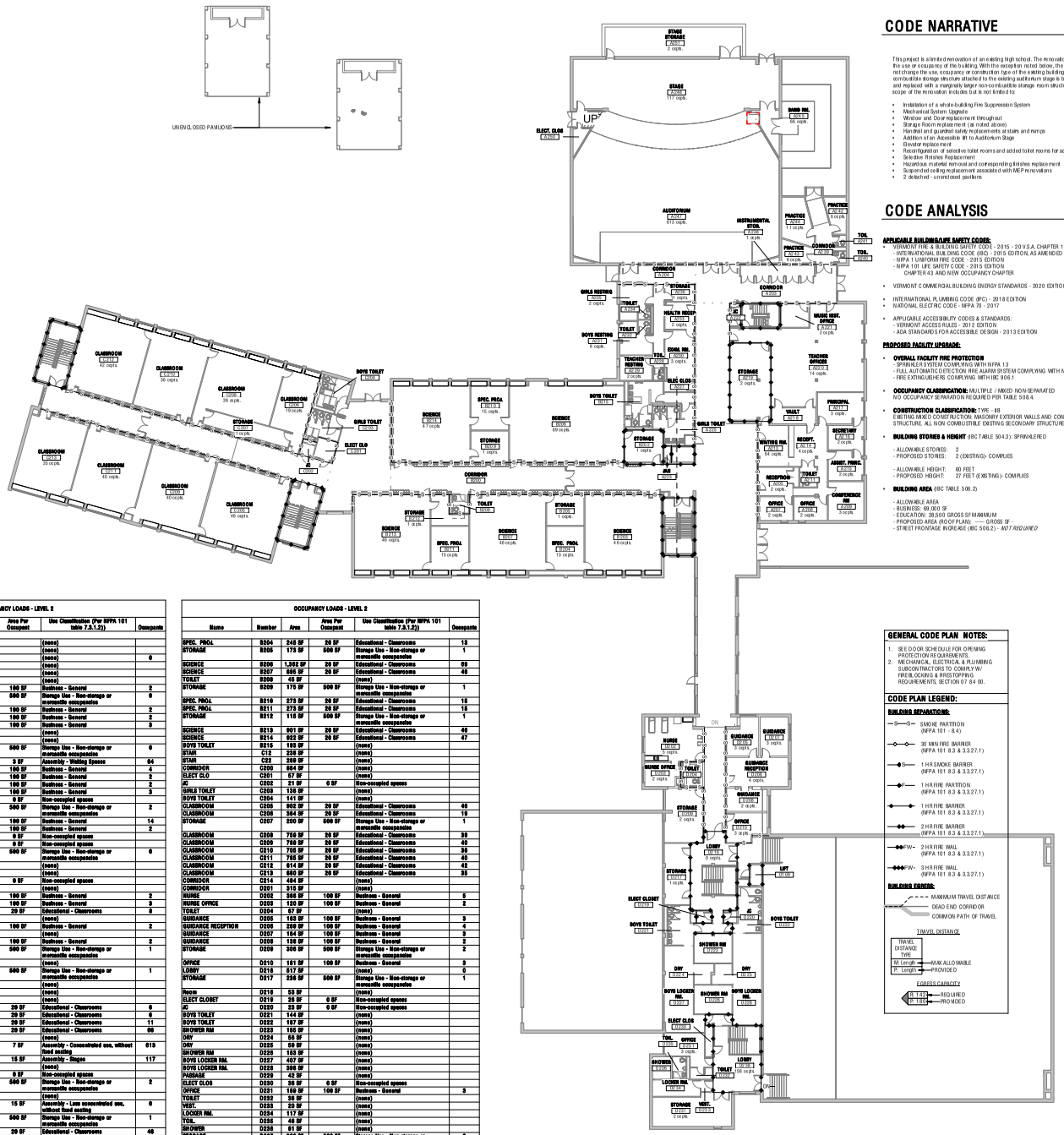
PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
CODE ANALYSIS - LEVEL 1

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
G101



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- Mechanical System Upgrade
- Window and Door replacement throughout
- Storage Room replacement (as noted above)
- Handrail and guardrail safety replacements at stairs and ramps
- Addition of an Accessible lift to Auditorium Stage
- Elevator replacement
- Reconfiguration of selective toilet rooms and added toilet rooms for accessibility
- Selective Finishes Replacement
- Hazardous material removal and corresponding finishes replacement
- Suspended ceiling replacement associated with MEP renovations
- 2 detached - unrestored pavilions

CODE ANALYSIS

APPLICABLE BUILDING/LIFE SAFETY CODES:

- VERMONT FIRE & BUILDING SAFETY CODE - 2015 - 20 V.S.A. CHAPTER 173.2
  - INTERNATIONAL BUILDING CODE (IBC) - 2015 EDITION, AS AMENDED
  - NFPA 1 UNIFORM FIRE CODE - 2015 EDITION
  - NFPA 101 LIFE SAFETY CODE - 2015 EDITION
    CHAPTER 43 AND NEW OCCUPANCY CHAPTER
- VERMONT COMMERCIAL BUILDING ENERGY STANDARDS - 2020 EDITION
- INTERNATIONAL PLUMBING CODE (IPC) - 2018 EDITION
- NATIONAL ELECTRIC CODE - NFPA 70 - 2017
- APPLICABLE ACCESSIBILITY CODES & STANDARDS:
  - VERMONT ACCESS RULES - 2012 EDITION
  - ADA STANDARDS FOR ACCESSIBLE DESIGN - 2013 EDITION

PROPOSED FACILITY UPGRADE:

- **OVERALL FACILITY FIRE PROTECTION**
  - SPRINKLER SYSTEM COMPLYING WITH NFPA 13
  - FULL AUTOMATIC DETECTION, FIRE ALARM SYSTEM COMPLYING WITH NFPA 72
  - FIRE EXTINGUISHERS COMPLYING WITH IBC 906.1
- **OCCUPANCY CLASSIFICATION:** MULTIPLE / MIXED NON-SEPARATED
  NO OCCUPANCY SEPARATION REQUIRED PER TABLE 508.4
- **CONSTRUCTION CLASSIFICATION:** TYPE - III
  EXISTING MIXED CONSTRUCTION, MASONRY EXTERIOR WALLS AND CONCRETE PRIMARY STRUCTURE. ALL NON-COMBUSTIBLE EXISTING SECONDARY STRUCTURE.
- **BUILDING STORIES & HEIGHT** (IBC TABLE 504.3): SPRINKLERED
  - ALLOWABLE STORIES: 2
  - PROPOSED STORIES: 2 (EXISTING)- COMPLIES
  - ALLOWABLE HEIGHT: 60 FEET
  - PROPOSED HEIGHT: 27 FEET (EXISTING)- COMPLIES
- **BUILDING AREA** (IBC TABLE 506.2)
  - ALLOWABLE AREA
  - BUSINESS: 69,000 SF
  - EDUCATION: 39,500 GROSS SF MAXIMUM
  - PROPOSED AREA (ROOF PLAN): ------ GROSS SF -
  - STREET FRONTAGE INCREASE (IBC 506.2) - *NOT REQUIRED*

FIRE RESISTANCE RATINGS REQUIREMENTS:

- **BUILDING ELEMENTS** (TABLE 601)
  - PRIMARY STRUCTURAL FRAME: 0 HR
  - EXTERIOR BEARING WALLS: 0 HR
  - INTERIOR BEARING WALLS: 0 HR
  - EXTERIOR NON-BEARING WALLS: 0 HR
    - IBC 2603.3
      - FLAME SPREAD INDEX OF 75 (MAX)
      - SMOKE-DEVELOPED INDEX OF 450 (MAX)
  - INTERIOR NON-BEARING WALLS: 0 HR
  - FLOOR CONSTRUCTION: 0 HR
  - ROOF CONSTRUCTION: 0 HR
  - EXIT ACCESS CORRIDORS: 0 HR (IBC TABLE 1020.1)
    0 HR SMOKE BARRIER (NFPA 101 14.3.6)
  - EXIT ENCLOSURES: 1 HR (7.1.3.2.1(1))
  - SHAFTS: 1 HR (8.6.5(2))
  - ROOFS: SMOKE BARRIER (8.6.1)
- **INCIDENTAL ACCESSORY OCCUPANCIES** (TABLE 509.2.5, NFPA101: 14.3.2.1)
  - BOILER ROOMS W/ EQUIPMENT OVER 15 PSI AND 10 HP:
    1 HR or AUTO FIRE-EXTINGUISHING SYSTEM
- **PROTECTION FROM HAZARDS** (NFPA101: 14.3.2.1 & 15.3.2.1)
  - NEW JANITOR CLOSETS: 1 HR or AUTO FIRE-EXTINGUISHING SYSTEM
- **NFPA 285 NOT REQUIRED FOR TYPE V BUILDINGS** (IBC 1403.5 & 2603.5)

MEANS OF EGRESS REQUIREMENTS:

EDUCATION:

- MAXIMUM TRAVEL DISTANCE:		250 FEET (IBC TABLE 1017.1) **200 FEET (NFPA 101 14.2.6.8)**
- MAXIMUM DEAD-END CORRIDOR LENGTH:		**50 FEET (IBC 1020.4)**
- MAXIMUM COMMON PATH OF TRAVEL:		**75 FEET (IBC 1006.2.1)** 100 FEET (15.3.3.3.1)
- MIN CORRIDOR WIDTH:		
• EGRESS WIDTH 1005)	IBC	6 FEET MIN (1018.2) OR 0.2" PER OCC (IBC
	NFPA 101:	6 FEET MIN (14.2.3.2) OR 0.2" PER OCC
(7.3.3.1)		
• STAIRWAYS (1009)	IBC	44 INCHES MIN (1011.2) OR 0.3" PER OCC
	NFPA 101:	44 INCHES MIN (7.2.2.2.1.2(B) OR 0.3" PER OCC (7.3.3.1)

ENERGY CODE - MINIMUM THERMAL ENVELOPE REQUIREMENTS (CLIMATE ZONE 6):

LOCATION	REQUIRED	PROVIDED
- FIXED FENESTRATION- STOREFRONT	U-0.36	<U-0.36
- OPERABLE FENESTRATION- STOREFRONT ENT.	U-0.55	<U-0.55
- OPERABLE FENESTRATION- HM DOORS	U-0.55	U-0.12
- ENTRANCE DOORS: STOREFRONT	U-0.55	<U-0.55

PLUMBING REQUIREMENTS:

OCCUPANT LOAD:
- EDUCATION — OCCUPANTS

- WATER CLOSETS	MALE	FEMALE
EDUCATION 1 PER 50	1.02	1.02
BUSINESS: 1 PER 25	14	14
TOTAL REQUIRED	1.16	1.16
TOTAL PROVIDED	2	2

- LAVATORY	MALE	FEMALE
EDUCATION 1 PER 50	1.07	1.07
BUSINESS: 1 PER 40	09	09
TOTAL REQUIRED	1.16	1.16
TOTAL PROVIDED	2	2

- DRINKING FOUNTAINS: - EXISTING TO REMAIN
- SERVICE SINK: - EXISTING TO REMAIN

- ACCESSIBLE TOILET ROOMS: NEW TOILET ROOMS ARE REQUIRED TO BE ACCESSIBLE (ADA 213.2).
- WHERE MULTIPLE SINGLE USER TOILET ROOMS ARE PROVIDED 50% ARE TO BE ACCESSIBLE (ADA 213.2, EXCEPTION 4)

OCCUPANCY LOADS - LEVEL 2

Name	Number	Area	Area Per Occupant	Use Classification (Per NFPA 101 table 7.3.1.2))	Occupants
STAIR	A12	124 SF		(none)	
STAIR	A22	248 SF		(none)	
LOBBY	A291	2,893 SF		(none)	0
CORRIDOR	A292	618 SF		(none)	
CORRIDOR	A293	678 SF		(none)	
CORRIDOR	A294	201 SF		(none)	
RECEPTION	A295	140 SF	100 SF	Business - General	2
STORAGE	A296	14 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	0
OFFICE	A297	118 SF	100 SF	Business - General	2
OFFICE	A298	118 SF	100 SF	Business - General	2
CONFERENCE RM	A299	298 SF	100 SF	Business - General	3
Room	A210	48 SF		(none)	
TOILET	A211	29 SF		(none)	
STORAGE	A212	11 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	0
WAITING RM.	A213	188 SF	5 SF	Assembly - Waiting Spaces	84
RECEPT.	A214	399 SF	100 SF	Business - General	4
ASSIST. PRINC.	A215	146 SF	100 SF	Business - General	2
SECRETARY	A216	161 SF	100 SF	Business - General	2
PRINCIPAL	A217	307 SF	100 SF	Business - General	3
VAULT	A218	105 SF	0 SF	Non-occupied spaces	
STORAGE	A219	467 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	2
TEACHER OFFICES	A229	1,362 SF	100 SF	Business - General	14
MUSIC INST. OFFICE	A231	97 SF	100 SF	Business - General	2
JC	A222	30 SF	0 SF	Non-occupied spaces	
JAN	A223	16 SF	0 SF	Non-occupied spaces	
STORAGE	A224	14 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	0
GIRLS TOILET	A225	188 SF		(none)	
PASSAGE	A226	47 SF		(none)	
ELEC CLOS	A227	47 SF	0 SF	Non-occupied spaces	
TOIL.	A228	19 SF		(none)	
TEACHER RESTRM	A229	119 SF	100 SF	Business - General	2
EXAM. RM.	A230	218 SF	100 SF	Business - General	3
BOYS RESTRM	A231	194 SF	29 SF	Educational - Classrooms	8
TOILET	A232	24 SF		(none)	
HEALTH RECEP	A233	133 SF	100 SF	Business - General	2
TOILET	A234	24 SF		(none)	
GIRLS RESTRM	A235	140 SF	100 SF	Business - General	2
STORAGE	A236	72 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
CORRIDOR	A237	128 SF		(none)	
INSTRUMENTAL STOR.	A238	118 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
CORRIDOR	A239	187 SF		(none)	
TOIL.	A240	82 SF		(none)	
TOIL.	A241	82 SF		(none)	
PRACTICE	A242	98 SF	29 SF	Educational - Classrooms	6
PRACTICE	A243	94 SF	29 SF	Educational - Classrooms	6
PRACTICE	A244	192 SF	29 SF	Educational - Classrooms	11
BAND RM.	A245	1,899 SF	29 SF	Educational - Classrooms	66
PASSAGE	A246	101 SF		(none)	
AUDITORIUM	A247	4,897 SF	7 SF	Assembly - Concentrated use, without fixed seating	675
STAGE	A248	1,744 SF	15 SF	Assembly - Stages	117
PASSAGE	A249	88 SF		(none)	
ELECT. CLOS	A250	57 SF	0 SF	Non-occupied spaces	
STAGE STORAGE	A251	607 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	2
CORRIDOR	B290	808 SF		(none)	
STUDENT AREA	B291	808 SF	15 SF	Assembly - Less concentrated use, without fixed seating	0
STORAGE	B292	184 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
SCIENCE	B293	910 SF	20 SF	Educational - Classrooms	46

OCCUPANCY LOADS - LEVEL 2

Name	Number	Area	Area Per Occupant	Use Classification (Per NFPA 101 table 7.3.1.2))	Occupants
SPEC. PROJ.	B294	245 SF	20 SF	Educational - Classrooms	13
STORAGE	B295	173 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
SCIENCE	B296	1,802 SF	20 SF	Educational - Classrooms	89
SCIENCE	B297	985 SF	20 SF	Educational - Classrooms	49
TOILET	B298	48 SF		(none)	
STORAGE	B299	175 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
SPEC. PROJ.	B210	273 SF	20 SF	Educational - Classrooms	13
SPEC. PROJ.	B211	273 SF	20 SF	Educational - Classrooms	13
STORAGE	B212	118 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
SCIENCE	B213	901 SF	20 SF	Educational - Classrooms	45
SCIENCE	B214	923 SF	20 SF	Educational - Classrooms	47
BOYS TOILET	B215	193 SF		(none)	
STAIR	C12	236 SF		(none)	
STAIR	C22	269 SF		(none)	
CORRIDOR	C200	864 SF		(none)	
ELECT CLO	C201	57 SF		(none)	
JC	C202	21 SF	0 SF	Non-occupied spaces	
GIRLS TOILET	C203	138 SF		(none)	
BOYS TOILET	C204	141 SF		(none)	
CLASSROOM	C205	902 SF	20 SF	Educational - Classrooms	45
CLASSROOM	C206	364 SF	20 SF	Educational - Classrooms	19
STORAGE	C207	200 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
CLASSROOM	C208	756 SF	20 SF	Educational - Classrooms	39
CLASSROOM	C209	760 SF	20 SF	Educational - Classrooms	40
CLASSROOM	C210	705 SF	20 SF	Educational - Classrooms	36
CLASSROOM	C211	765 SF	20 SF	Educational - Classrooms	40
CLASSROOM	C212	814 SF	20 SF	Educational - Classrooms	42
CLASSROOM	C213	660 SF	20 SF	Educational - Classrooms	35
CORRIDOR	C214	464 SF		(none)	
CORRIDOR	D201	515 SF		(none)	
NURSE	D202	366 SF	100 SF	Business - General	5
NURSE OFFICE	D203	120 SF	100 SF	Business - General	2
TOILET	D204	87 SF		(none)	
GUIDANCE	D205	193 SF	100 SF	Business - General	3
GUIDANCE RECEPTION	D206	269 SF	100 SF	Business - General	4
GUIDANCE	D207	164 SF	100 SF	Business - General	3
GUIDANCE	D208	138 SF	100 SF	Business - General	2
STORAGE	D209	306 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
OFFICE	D210	161 SF	100 SF	Business - General	3
LOBBY	D216	617 SF		(none)	0
STORAGE	D217	236 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
Room	D218	53 SF		(none)	
ELECT CLOSET	D219	26 SF	0 SF	Non-occupied spaces	
JC	D220	23 SF	0 SF	Non-occupied spaces	
BOYS TOILET	D221	144 SF		(none)	
BOYS TOILET	D222	167 SF		(none)	
SHOWER RM	D223	165 SF		(none)	
DRY	D224	58 SF		(none)	
DRY	D225	59 SF		(none)	
SHOWER RM	D226	163 SF		(none)	
BOYS LOCKER RM.	D227	407 SF		(none)	
BOYS LOCKER RM.	D228	398 SF		(none)	
PASSAGE	D229	42 SF		(none)	
ELECT CLOS	D230	36 SF	0 SF	Non-occupied spaces	
OFFICE	D231	169 SF	100 SF	Business - General	3
TOILET	D232	86 SF		(none)	
VEST.	D233	20 SF		(none)	
LOCKER RM.	D234	117 SF		(none)	
TOIL.	D235	48 SF		(none)	
SHOWER	D236	61 SF		(none)	
STORAGE	D237	569 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	2
LOBBY	D238	472 SF	3 SF	Assembly - Waiting Spaces	158
Grand total					1729

GENERAL CODE PLAN NOTES:

1. SEE DOOR SCHEDULE FOR OPENING PROTECTION REQUIREMENTS.
2. MECHANICAL, ELECTRICAL & PLUMBING SUBCONTRACTORS TO COMPLY W/ FIREBLOCKING & FIRESTOPPING REQUIREMENTS, SECTION 07 84 00.

CODE PLAN LEGEND:

BUILDING SEPARATIONS:

- SMOKE PARTITION (NFPA 101 - 8.4)
- 30 MIN FIRE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- 1 HR SMOKE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- 1 HR FIRE PARTITION (NFPA 101 8.3 & 3.3.27.1)
- 1 HR FIRE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- 2 HR FIRE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- 2 HR FIRE WALL (NFPA 101 8.3 & 3.3.27.1)
- 3 HR FIRE WALL (NFPA 101 8.3 & 3.3.27.1)

BUILDING EGRESS:

- MAXIMUM TRAVEL DISTANCE
- DEAD END CORRIDOR
- COMMON PATH OF TRAVEL

TRAVEL DISTANCE:

TRAVEL DISTANCE TYPE	
M. Length	MAX ALLOWABLE
P. Length	PROVIDED

EGRESS CAPACITY

M. 1.42"	REQUIRED
P. 1.80"	PROVIDED

LEVEL 2 CODE PLAN

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THE CARRIAGE HOUSE
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CONSULTANTS / DESIGN TEAM:

OWNER:
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609 VT ROUTE 103
LUDLOW, VT 05149

CONSTRUCTION MANAGER:
ENERGY EFFICIENT INVESTMENTS
19 STAR DRIVE
MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
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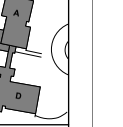
MEP/FP:

VISUAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

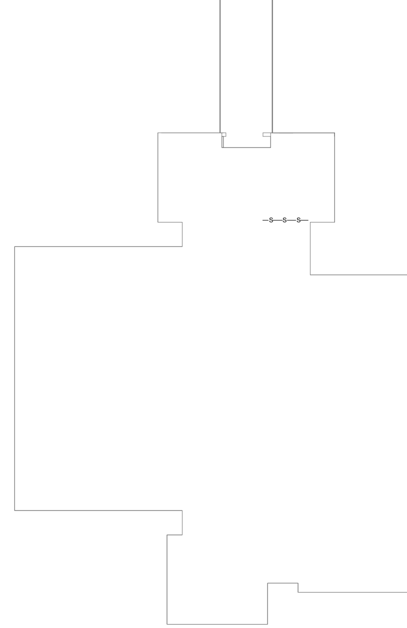
ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
CODE ANALYSIS - LEVEL 2

PROJECT NO: 21-006 | DATE: 12-3-2021

SHEET NUMBER:
G102

12/3/2021 11:10:31 AM C:\Users\jjensen\Documents\21-006 GMUHS Central_jjensen@banwellarch.com.rvt



OCCUPANCY LOADS - LEVEL 3					
Name	Number	Area	Area Per Occupant	Use Classification (Per NFPA 101 table 7.3.1.2))	Occupants
STAIR	A13	132 SF		(none)	
STAIR	A23	262 SF		(none)	
LIBRARY LOUNGE	A301	411 SF	50 SF	Assembly - Library reading rooms	9
A/V ROOM	A302	219 SF	0 SF	Non-occupied spaces	
LIBRARY WORK RM.	A303	297 SF	100 SF	Business - General	4
LIBRARY	A304	3,935 SF	100 SF	Assembly - Library stack areas	40
VEST.	A305	23 SF		(none)	
GIRLS TOILET	A306	235 SF		(none)	
ELEC. CLOS.	A307	43 SF	0 SF	Non-occupied spaces	
FACULTY OFFICES	A308	624 SF	100 SF	Business - General	7
PASSAGE	A309	89 SF		(none)	
TOIL	A310	22 SF		(none)	
TOIL	A311	27 SF		(none)	
JC	A312	27 SF	0 SF	Non-occupied spaces	
PROJ. BOOTH	A313	75 SF		(none)	
TEACHING PREP	A314	541 SF	100 SF	Business - General	6
CONFERENCE	A315	252 SF	100 SF	Business - General	3
DIAL RETRIEVAL	A316	458 SF	0 SF	Non-occupied spaces	
STORAGE	A317	256 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
FACULTY OFFICES	A318	695 SF	100 SF	Business - General	8
STORAGE	A319	6 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	0
CORRIDOR	B300	1,152 SF		(none)	
VESTIBULE.	B301	188 SF		(none)	
CLASSROOM	B302	416 SF	20 SF	Educational - Classrooms	22
CLASSROOM	B303	1,059 SF	20 SF	Educational - Classrooms	54
CLASSROOM	B306	746 SF	20 SF	Educational - Classrooms	
CLASSROOM	B307	720 SF	20 SF	Educational - Classrooms	37
CR ALCOVE	B308	127 SF	20 SF	Educational - Classrooms	7
CR ALCOVE	B309	180 SF	20 SF	Educational - Classrooms	10
CLASSROOM	B310	749 SF	20 SF	Educational - Classrooms	38
CLASSROOM	B311	748 SF	20 SF	Educational - Classrooms	38
CR ALCOVE	B312	170 SF	20 SF	Educational - Classrooms	9
CR ALCOVE	B313	128 SF	20 SF	Educational - Classrooms	7
CLASSROOM	B314	794 SF	20 SF	Educational - Classrooms	41
CR ALCOVE	B315	45 SF	20 SF	Educational - Classrooms	3
CR ALCOVE	B316	50 SF	20 SF	Educational - Classrooms	3
CLASSROOM	B317	743 SF	20 SF	Educational - Classrooms	40
STUDENT ACTIVITIES	B318	458 SF	20 SF	Educational - Classrooms	24
STAIR	C13	252 SF		(none)	
STAIR	C23	269 SF		(none)	
CORRIDOR	C300	873 SF		(none)	
ELECT CLOS	C301	63 SF	0 SF	Non-occupied spaces	
JC	C302	32 SF	0 SF	Non-occupied spaces	
PASSAGE	C303	43 SF		(none)	
BOYS TOIL.	C304	231 SF		(none)	
CLASSROOM	C305	783 SF	20 SF	Educational - Classrooms	40
CR ALCOVE	C306	46 SF	20 SF	Educational - Classrooms	3
CR ALCOVE	C307	46 SF	20 SF	Educational - Classrooms	3
CLASSROOM	C308	788 SF	20 SF	Educational - Classrooms	40
CR ALCOVE	C309	46 SF	20 SF	Educational - Classrooms	3
CR ALCOVE	C310	46 SF	20 SF	Educational - Classrooms	3
CLASSROOM	C311	748 SF	20 SF	Educational - Classrooms	38
CLASSROOM	C312	750 SF	20 SF	Educational - Classrooms	38
CLASSROOM	C313	778 SF	20 SF	Educational - Classrooms	40
CLASSROOM	C314	1,219 SF	20 SF	Educational - Classrooms	62
CLASSROOM	C315	733 SF	20 SF	Educational - Classrooms	38
CORRIDOR	C316	491 SF		(none)	
Grand total					719

LEVEL 3 CODE PLAN

GENERAL CODE PLAN NOTES:

1. SEE DOOR SCHEDULE FOR OPENING PROTECTION REQUIREMENTS.
2. MECHANICAL, ELECTRICAL & PLUMBING SUBCONTRACTORS TO COMPLY W/ FIREBLOCKING & FIRESTOPPING REQUIREMENTS, SECTION 07 84 00.

CODE PLAN LEGEND:

BUILDING SEPARATIONS:

- —S—S— SMOKE PARTITION (NFPA 101 - 8.4)
- 30 MIN FIRE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- —◆S— 1 HR SMOKE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- —◆F— 1 HR FIRE PARTITION (NFPA 101 8.3 & 3.3.27.1)
- 1 HR FIRE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- 2 HR FIRE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- —◆◆FW– 2 HR FIRE WALL (NFPA 101 8.3 & 3.3.27.1)
- —◆◆◆FW– 3 HR FIRE WALL (NFPA 101 8.3 & 3.3.27.1)

BUILDING EGRESS:

- MAXIMUM TRAVEL DISTANCE
- DEAD END CORRIDOR
- COMMON PATH OF TRAVEL

TRAVEL DISTANCE

TRAVEL DISTANCE TYPE	
M: Length	MAX ALLOWABLE
P: Length	PROVIDED

EGRESS CAPACITY

R: 142	REQUIRED
P: 180	PROVIDED

CODE NARRATIVE

This project is a limited renovation of an existing high school. The renovation does not change the use or occupancy of the building. With the exception noted below, the renovation does not change the use, occupancy or construction type of the existing building. An existing, combustible storage structure attached to the existing auditorium stage is being demolished and replaced with a marginally larger non-combustible storage room structure. The following scope of the renovation includes but is not limited to:

- Installation of a whole-building Fire Suppression System
- Mechanical System Upgrade
- Window and Door replacement throughout
- Storage Room replacement (as noted above)
- Handrail and guardrail safety replacements at stairs and ramps
- Addition of an Accessible lift to Auditorium Stage
- Elevator replacement
- Reconfiguration of selective toilet rooms and added toilet rooms for accessibility
- Selective Finishes Replacement
- Hazardous material removal and corresponding finishes replacement
- Suspended ceiling replacement associated with MEP renovations
- 2 detached - unenclosed pavilions

CODE ANALYSIS

APPLICABLE BUILDING/LIFE SAFETY CODES:

- VERMONT FIRE & BUILDING SAFETY CODE - 2015 - 20 V.S.A. CHAPTER 173.2
  - INTERNATIONAL BUILDING CODE (IBC) - 2015 EDITION, AS AMENDED
  - NFPA 1 UNIFORM FIRE CODE - 2015 EDITION
  - NFPA 101 LIFE SAFETY CODE - 2015 EDITION
    CHAPTER 43 AND NEW OCCUPANCY CHAPTER
- VERMONT COMMERCIAL BUILDING ENERGY STANDARDS - 2020 EDITION
- INTERNATIONAL PLUMBING CODE (IPC) - 2018 EDITION
- NATIONAL ELECTRIC CODE - NFPA 70 - 2017
- APPLICABLE ACCESSIBILITY CODES & STANDARDS:
  - VERMONT ACCESS RULES - 2012 EDITION
  - ADA STANDARDS FOR ACCESSIBLE DESIGN - 2013 EDITION

PROPOSED FACILITY UPGRADE:

- **OVERALL FACILITY FIRE PROTECTION**
  - SPRINKLER SYSTEM COMPLYING WITH NFPA 13
  - FULL AUTOMATIC DETECTION FIRE ALARM SYSTEM COMPLYING WITH NFPA 72
  - FIRE EXTINGUISHERS COMPLYING WITH IBC 906.1
- **OCCUPANCY CLASSIFICATION:** MULTIPLE / MIXED NON-SEPARATED
  NO OCCUPANCY SEPARATION REQUIRED PER TABLE 508.4.
- **CONSTRUCTION CLASSIFICATION:** TYPE - IIB
  EXISTING MIXED CONSTRUCTION: MASONRY EXTERIOR WALLS AND CONCRETE PRIMARY STRUCTURE. ALL NON-COMBUSTIBLE EXISTING SECONDARY STRUCTURE.
- **BUILDING STORIES & HEIGHT** (IBC TABLE 504.3): SPRINKLERED
  - ALLOWABLE STORIES: 2
  - PROPOSED STORIES: 2 (EXISTING)- COMPLIES
  - ALLOWABLE HEIGHT: 60 FEET
  - PROPOSED HEIGHT: 27 FEET (EXISTING)- COMPLIES
- **BUILDING AREA** (IBC TABLE 506.2)
  - ALLOWABLE AREA
  - BUSINESS: 69,000 SF
  - EDUCATION: 28,500 GROSS SF MAXIMUM
  - PROPOSED AREA (ROOF PLAN): ------ GROSS SF -
  - STREET FRONTAGE INCREASE (IBC 506.2) - *NOT REQUIRED*

FIRE RESISTANCE RATINGS REQUIREMENTS:

- **BUILDING ELEMENTS** (TABLE 601)
  - PRIMARY STRUCTURAL FRAME: 0 HR
  - EXTERIOR BEARING WALLS: 0 HR
  - INTERIOR BEARING WALLS: 0 HR
  - EXTERIOR NON-BEARING WALLS: 0 HR
    - IBC 2603.3
      - FLAME SPREAD INDEX OF 75 (MAX)
      - SMOKE-DEVELOPED INDEX OF 450 (MAX)
  - INTERIOR NON-BEARING WALLS: 0 HR
  - FLOOR CONSTRUCTION: 0 HR
  - ROOF CONSTRUCTION: 0 HR
  - EXIT ACCESS CORRIDORS: 0 HR (IBC TABLE 1020.1)
    0 HR SMOKE BARRIER (NFPA 101 14.3.6)
  - EXIT ENCLOSURES: 1 HR (7.1.3.2.1(1))
  - SHAFTS: 1 HR (8.6.5(2))
  - FLOORS: SMOKE BARRIER (8.6.1)
- **INCIDENTAL ACCESSORY OCCUPANCIES** (TABLE 508.2.5, NFPA101: 14.3.2.1)
  - BOILER ROOMS W/ EQUIPMENT OVER 15 PSI AND 10 HP:
    1 HR or AUTO FIRE-EXTINGUISHING SYSTEM
- **PROTECTION FROM HAZARDS** (NFPA101: 14.3.2.1 & 15.3.2.1)
  - NEW JANITOR CLOSETS: 1 HR or AUTO FIRE-EXTINGUISHING SYSTEM
- **NFPA 285 NOT REQUIRED FOR TYPE V BUILDINGS** (IBC 1403.5 & 2603.5)

MEANS OF EGRESS REQUIREMENTS:

EDUCATION:
- MAXIMUM TRAVEL DISTANCE: 250 FEET (IBC TABLE 1017.1)
  200 FEET (NFPA 101 14.2.6.3)
- MAXIMUM DEAD-END CORRIDOR LENGTH: **50 FEET (IBC 1020.4)**
- MAXIMUM COMMON PATH OF TRAVEL: **75 FEET (IBC 1006.2.1)**
  100 FEET (15.2.5.3.1)
- MIN CORRIDOR WIDTH:
  - EGRESS WIDTH: IBC: 6 FEET MIN (1018.2) OR 0.2" PER OCC (IBC 1005)
    NFPA 101: 6 FEET MIN (14.2.3.2) OR 0.2" PER OCC (7.3.3.1)
  - STAIRWAYS: IBC: 44 INCHES MIN (1011.2) OR 0.3" PER OCC (1005)
    NFPA 101: 44 INCHES MIN (7.2.2.2.1.2(B) OR 0.3" PER OCC (7.3.3.1)

ENERGY CODE - MINIMUM THERMAL ENVELOPE REQUIREMENTS (CLIMATE ZONE 6):

LOCATION	REQUIRED	PROVIDED
- FIXED FENESTRATION- STOREFRONT	U-0.36	<U-0.36
- OPERABLE FENESTRATION- STOREFRONT EXIT:	U-0.55	<U-0.55
- OPERABLE FENESTRATION- HM DOORS	U-0.55	U-0.12
- ENTRANCE DOORS: STOREFRONT	U-0.55	<U-0.55

PLUMBING REQUIREMENTS:

OCCUPANT LOAD:
- EDUCATION --- OCCUPANTS

- WATER CLOSETS:	MALE	FEMALE
EDUCATION: 1 PER 50	1.02	1.02
BUSINESS: 1 PER 25	.14	.14
TOTAL REQUIRED	1.16	1.16
TOTAL PROVIDED	2	2

- LAVATORY	MALE	FEMALE
EDUCATION: 1 PER 50	1.07	1.07
BUSINESS: 1 PER 40	.09	.09
TOTAL REQUIRED	1.16	1.16
TOTAL PROVIDED	2	2

- DRINKING FOUNTAINS: - EXISTING TO REMAIN
- SERVICE SINK: - EXISTING TO REMAIN

- ACCESSIBLE TOILET ROOMS: NEW TOILET ROOMS ARE REQUIRED TO BE ACCESSIBLE (ADA 213.2);
- WHERE MULTIPLE SINGLE USER TOILET ROOMS ARE PROVIDED 50% ARE TO BE ACCESSIBLE (ADA 213.2, EXCEPTION 4)

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CONSULTANTS / DESIGN TEAM:

OWNER:
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LUDLOW, VT 05149

CONSTRUCTION MANAGER:
ENERGY EFFICIENT INVESTMENTS
19 STAR DRIVE
MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
BANWELL ARCHITECTS, NH
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T: (603) 448-3778

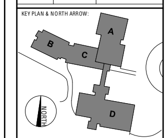
MEP/FP:

VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
CODE ANALYSIS - LEVEL 3

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
G103

GENERAL DEMO PLAN NOTES:

1. THE DEMOLITION PLANS AND/OR ELEVATIONS ILLUSTRATE THE CONCEPT OF ARCHITECTURAL DEMOLITION. THEY ARE NOT INTENTED TO BE A COMPLETE REPRESENTATION OF ALL DEMOLITION WORK REQUIRED. ALL OF THE CONTRACT DOCUMENTS ARE TO BE CONSIDERED WHEN DETERMINING THE SCOPE OF DEMOLITION FOR THE PROJECT. IT IS THE INTENT OF THIS CONTRACT DOCUMENTS TO REQUIRE DEMOLITION OF ALL THE BUILDING ELEMENTS AS NECESSARY FOR THE INSTALLATION OF WORK REQUIRED BY THE SCOPE OF THIS PROJECT.
2. DASHED LINES GENERALLY REPRESENT ITEMS TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXACT EXTENT AND DETAIL OF REQUIRED DEMOLITION.
3. REMOVE PARTITIONS TO STRUCTURE ABOVE, UNLESS OTHERWISE INDICATED
4. REMOVE ALL SUSPENDED CEILINGS THOUGHOUT UNLESS OTHERWISE NOTED.
5. REMOVE ALL CASEWORK, FIXTURES, OR EQUIPMENTS ON WALLS TO BE REMOVED OR FURRED.
6. REMOVE CONCRETE SLABS AS REQUIRED FOR INSTALLATION OF NEW MECHANICAL, ELECTRICAL, AND PLUMBING SERVICES. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
7. SEE SECTION 02 41 00 FOR ADDITIONAL DEMOLITION REQUIREMENTS.
8. REFER TO ASSBESTOS SURVEY FOR LOCATIONS OF ABT FLOORING FINISH AND ADHESIVE DEMOLITION.
9. ALL HANDRAILS AND GUARDRAILS IN STAIRWELLS TO BE REMOVED.
10. ALL EXTERIOR ENTRANCES AND WINDOWS REMOVED.
11. ALL DOORS AND WIREGLASS IN SIDELITES REMOVED. ALL FRAMES TO REMAIN TYPICAL UNLESS OTHERWISE NOTED.
12. ALL CASEWORK ON EXTERIOR WALLS IN CLASSROOMS REMOVE UNLESS NOTED OTHERWISE.

DEMO PLAN KEYNOTES:

CONCRETE
- C1 REMOVE PORTIONS OF SLAB AND FILLS FOR NEW FOOTINGS OR UTILITIES.
- C2 REMOVE CONCRETE STAIRS.
- C3 REMOVE CONCRETE SLAB.
- C4 REMOVE CONCRETE FOOTINGS AND FOUNDATION WALLS.
- C5 REMOVE CONCRETE SIDEWALK.
- C6 REMOVE PORTION OF CONCRETE WALL FOR NEW OPNG.

MASONRY
- M1 REMOVE MASONRY WALL.
- M2 REMOVE MASONRY WALL AS REQ FOR NEW WORK
- M3 REMOVE BRICK MASONRY FOR REPAIR.

STRUCTURE
- S1 REMOVE CEILING, ROOF BEAMS, JOISTS, DECKING, ROOF INSULATION, ROOFING COMPLETE.
- S3 REMOVE WOOD BEAMS, DECKING, ROOF INSULATION, ROOFING COMPLETE.
- S4 REMOVE STAIRS, LANDINGS RAILINGS COMPLETE.
- S5 REMOVE CANOPY FOOTINGS, FINISHES, STRUCTURE, ROOFING COMPLETE.
- S6 REMOVE EXTERIOR SOFFIT FINISH COMPLETE.
- S7 REMOVE PORTIONS OF ROOFING AND DECK AS INDICATED IN DETAILS.
- S8 REMOVE ROOF INSULATION AND ROOF DECK.
- S9 REMOVE EXTERIOR METAL PANELS.
- S10 REMOVE STRUCTURE COMPLETE THIS AREA; INCLUDING FOUNDATION, SLABS, STRUCTURE, ROOF AND WALLS.
- S11 REMOVE MEZZANINE FLOOR AND WALLS COMPLETE.
- S12 REMOVE RAILINGS.

PARTITIONS
- P1 REMOVE STUD AND GYPSUM BOARD PARTITION.
- P2 REMOVE GYPSUM BOARD SOFFIT COMPLETE.
- P3 REMOVE PORTION OF PARTITION FOR NEW OPENING.

DOORS AND WINDOWS
- DW1 REMOVE EXISTING WINDOW(S) COMPLETE.
- DW2 REMOVE DOOR AND HARDWARE ONLY (EXISTING FRAME TO REMAIN).
- DW3 REMOVE ALUMINUM ENTRANCE UNIT COMPLETE.
- DW4 REMOVE EX. DOOR AND FRAME FOR RELOCATION.
- DW5 REMOVE OVERHEAD DOOR COMPLETE.
- DW6 REMOVE ROLL-UP DOOR COMPLETE.
- DW7 REMOVE LOUVERS COMPLETE.
- DW8 REMOVE DOOR AND FRAME.
- DW9 REMOVE BORROWED LITE.
- DW10 REMOVE WALL FOR NEW WINDOW - STEEL LINTELS REQ'D - SEE S DWGS

FLOORING AND FINISH
- F1 REMOVE ABT FLOORING.
- F2 REMOVE CARPETING, GLUE AND BASE.
- F3 REMOVE CERAMIC FLOORING COMPLETE.
- F4 REMOVE BASE.
- F5 REMOVE WOOD FLOOR SYSTEM COMPLETE.
- F6 REMOVE CERAMIC WALL TILE COMPLETE.
- F7 REMOVE WALL PANELS COMPLETE.
- F8 REMOVE WOOD WALL PANELS COMPLETE.

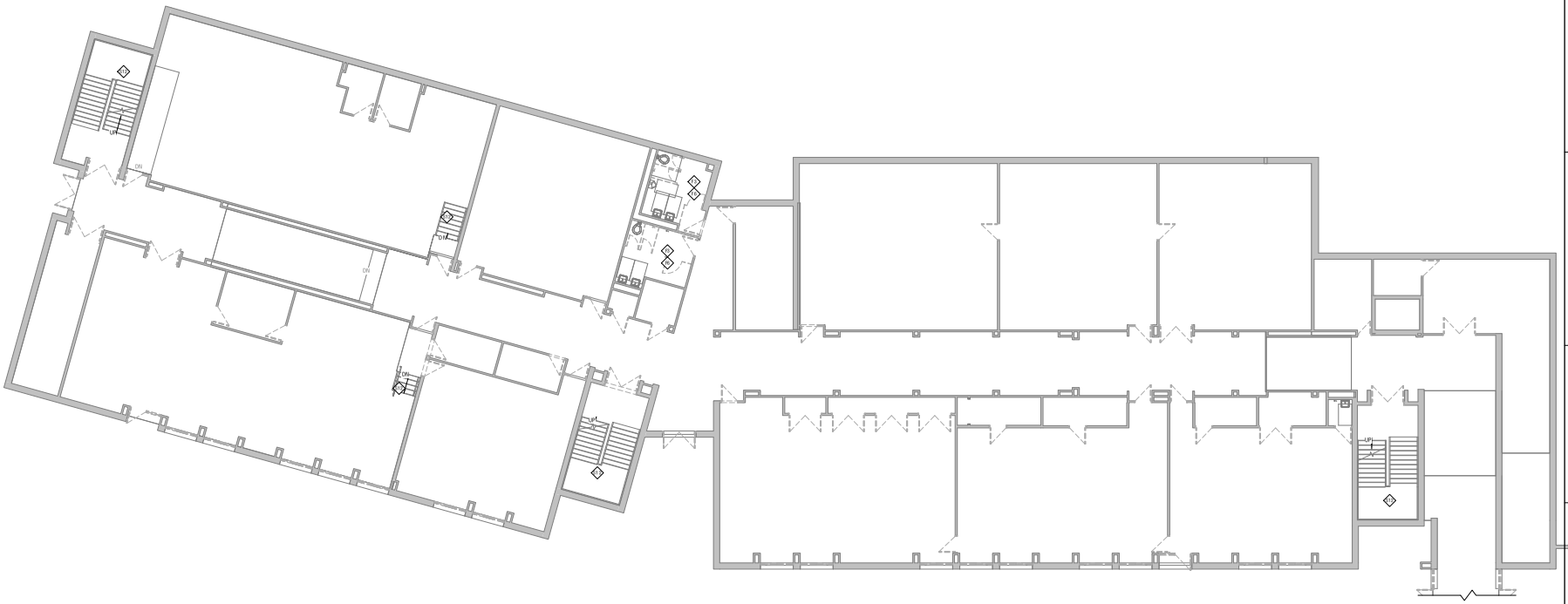
CEILINGS
- CL1 REMOVE ACOUSTIC CEILING SYSTEM COMPLETE.
- CL2 REMOVE DRYWALL CEILING SYSTEM COMPLETE.
- CL3 REMOVE PORTIONS OF DRYWALL CEILING AS REQUIRED FOR WORK ABOVE CEILING.

CASEWORK AND MILLWORK
- CW1 REMOVE CABINETS, COUNTERS AND PLUMBING FIXTURES. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- CW2 REMOVE LAVATORY COUNTER AND SUPPORTS.
- CW3 REMOVE BOOKCASES.
- CW4 REMOVE COUNTERTOP.

EQUIPMENT
- E1 REMOVE LOCKERS COMPLETE.
- E2 REMOVE CONCRETE / WOOD LOCKER BASES.
- E3 REMOVE DISPLAY BOARDS, WINDOW TREATMENTS, MISCELLANEOUS EQUIPMENT COMPLETE.
- E4 REMOVE SHELVING, RACKS, HOOKS COMPLETE.
- E5 REMOVE BLEACHERS COMPLETE.
- E6 REMOVE OPERABLE WALL AND TRACK COMPLETE.
- E7 REMOVE BASKETBALL BACKSTOP AND OTHER SPORTS EQUIPMENT COMPLETE.
- E8 REMOVE FOOD SERVICE EQUIPMENT COMPLETE.
- E9 REMOVE PLUMBING FIXTURES COMPLETE. SEE PLUMBING DRAWINGS.
- E10 REMOVE DISPLAY CASE.
- E11 REMOVE CHAIN LINK ENCLOSURE.
- E12 REMOVE ROOF HATCH.
- E13 REMOVE LADDER.
- E14 REMOVE HVAC EQUIPMENT. SEE MECH. DWGS.
- E15 REMOVE TOILET PARTITIONS COMPLETE.
- E16 REMOVE TOILET ROOM ACCESSORIES COMPLETE.

DEMOLITION PLAN LEGEND:

- KEYNOTE, SEE DEMOLITION KEYNOTE CODES ABOVE
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED, SEE KEYNOTES
- EXISTING DOOR TO REMAIN



A8 LEVEL 1 - DEMOLITION PLAN - AREA B & C
Scale: 1/8" = 1'-0"

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THE CARRIAGE HOUSE
6 SOUTH PARK STREET
LEBANON, NH 03766
T: 603 448 3778

CONSULTANTS / DESIGN TEAM:

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609 VT ROUTE 103
LUDLOW, VT 05149

CONSTRUCTION MANAGER:
ENERGY EFFICIENT INVESTMENTS
19 STAR DRIVE
MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
BANWELL ARCHITECTS, NH
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MEP/FP:

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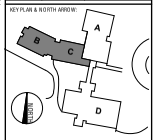
PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 1 DEMOLITION PLAN - AREA B & C

PROJECT NO: 21-806 | DATE: 12-3-2021

SHEET NUMBER:
AD101BC

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GENERAL DEMO PLAN NOTES:

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3. REMOVE PARTITIONS TO STRUCTURE ABOVE, UNLESS OTHERWISE INDICATED
4. REMOVE ALL SUSPENDED CEILINGS THOUGHOUT UNLESS OTHERWISE NOTED.
5. REMOVE ALL CASEWORK, FIXTURES, OR EQUIPMENTS ON WALLS TO BE REMOVED OR FURRED.
6. REMOVE CONCRETE SLABS AS REQUIRED FOR INSTALLATION OF NEW MECHANICAL, ELECTRICAL, AND PLUMBING SERVICES. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
7. SEE SECTION 02 41 00 FOR ADDITIONAL DEMOLITION REQUIREMENTS.
8. REFER TO AESBESTOS SURVEY FOR LOCATIONS OF ABT FLOORING FINISH AND ADHESIVE DEMOLITION.
9. ALL HANDRAILS AND GUARDRAILS IN STAIRWELLS TO BE REMOVED.
10. ALL EXTERIOR ENTRANCES AND WINDOWS REMOVED.
11. ALL DOORS AND WIREGLASS IN SIDELITES REMOVED. ALL FRAMES TO REMAIN TYPICAL UNLESS OTHERWISE NOTED.
12. ALL CASEWORK ON EXTERIOR WALLS IN CLASSROOMS REMOVE UNLESS NOTED OTHERWISE

DEMO PLAN KEYNOTES:

CONCRETE
- C1 REMOVE PORTIONS OF SLAB AND FILLS FOR NEW FOOTINGS OR UTILITIES.
- C2 REMOVE CONCRETE STAIRS.
- C3 REMOVE CONCRETE SLAB.
- C4 REMOVE CONCRETE FOOTINGS AND FOUNDATION WALLS.
- C5 REMOVE CONCRETE SIDEWALK.
- C6 REMOVE PORTION OF CONCRETE WALL FOR NEW OPNG.

MASONRY
- M1 REMOVE MASONRY WALL.
- M2 REMOVE MASONRY WALL AS REQ. FOR NEW WORK.
- M3 REMOVE BRICK MASONRY FOR REPAIR.

STRUCTURE
- S1 REMOVE CEILING, ROOF BEAMS, JOISTS, DECKING, ROOF INSULATION, ROOFING COMPLETE.
- S3 REMOVE WOOD BEAMS, DECKING, ROOF INSULATION, ROOFING COMPLETE.
- S4 REMOVE STAIRS, LANDINGS RAILINGS COMPLETE.
- S5 REMOVE CANOPY FOOTINGS, FINISHES, STRUCTURE, ROOFING COMPLETE.
- S6 REMOVE EXTERIOR SOFFIT FINISH COMPLETE.
- S7 REMOVE PORTIONS OF ROOFING AND DECK AS INDICATED IN DETAILS.
- S8 REMOVE ROOF INSULATION AND ROOF DECK.
- S9 REMOVE EXTERIOR METAL PANELS.
- S10 REMOVE STRUCTURE COMPLETE THIS AREA; INCLUDING FOUNDATION, SLABS, STRUCTURE, ROOF AND WALLS.
- S11 REMOVE MEZZANINE FLOOR AND WALLS COMPLETE.
- S12 REMOVE RAILINGS.

PARTITIONS
- P1 REMOVE STUD AND GYPSUM BOARD PARTITION.
- P2 REMOVE GYPSUM BOARD SOFFIT COMPLETE.
- P3 REMOVE PORTION OF PARTITION FOR NEW OPENING.

DOORS AND WINDOWS
- DW1 REMOVE EXISTING WINDOW(S) COMPLETE.
- DW2 REMOVE DOOR AND HARDWARE ONLY (EXISTING FRAME TO REMAIN).
- DW3 REMOVE ALUMINUM ENTRANCE UNIT COMPLETE.
- DW4 REMOVE EX. DOOR AND FRAME FOR RELOCATION.
- DW5 REMOVE OVERHEAD DOOR COMPLETE.
- DW6 REMOVE ROLL-UP DOOR COMPLETE.
- DW7 REMOVE LOUVERS COMPLETE.
- DW8 REMOVE DOOR AND FRAME.
- DW9 REMOVE BORROWED LITE.
- DW10 REMOVE WALL FOR NEW WINDOW - STEEL LINTELS REQ'D - SEE S DWGS

FLOORING AND FINISH
- F1 REMOVE ABT FLOORING.
- F2 REMOVE CARPETING, GLUE AND BASE.
- F3 REMOVE CERAMIC FLOORING COMPLETE.
- F4 REMOVE BASE.
- F5 REMOVE WOOD FLOOR SYSTEM COMPLETE.
- F6 REMOVE CERAMIC WALL TILE COMPLETE.
- F7 REMOVE WALL PANELS COMPLETE.
- F8 REMOVE WOOD WALL PANELS COMPLETE.

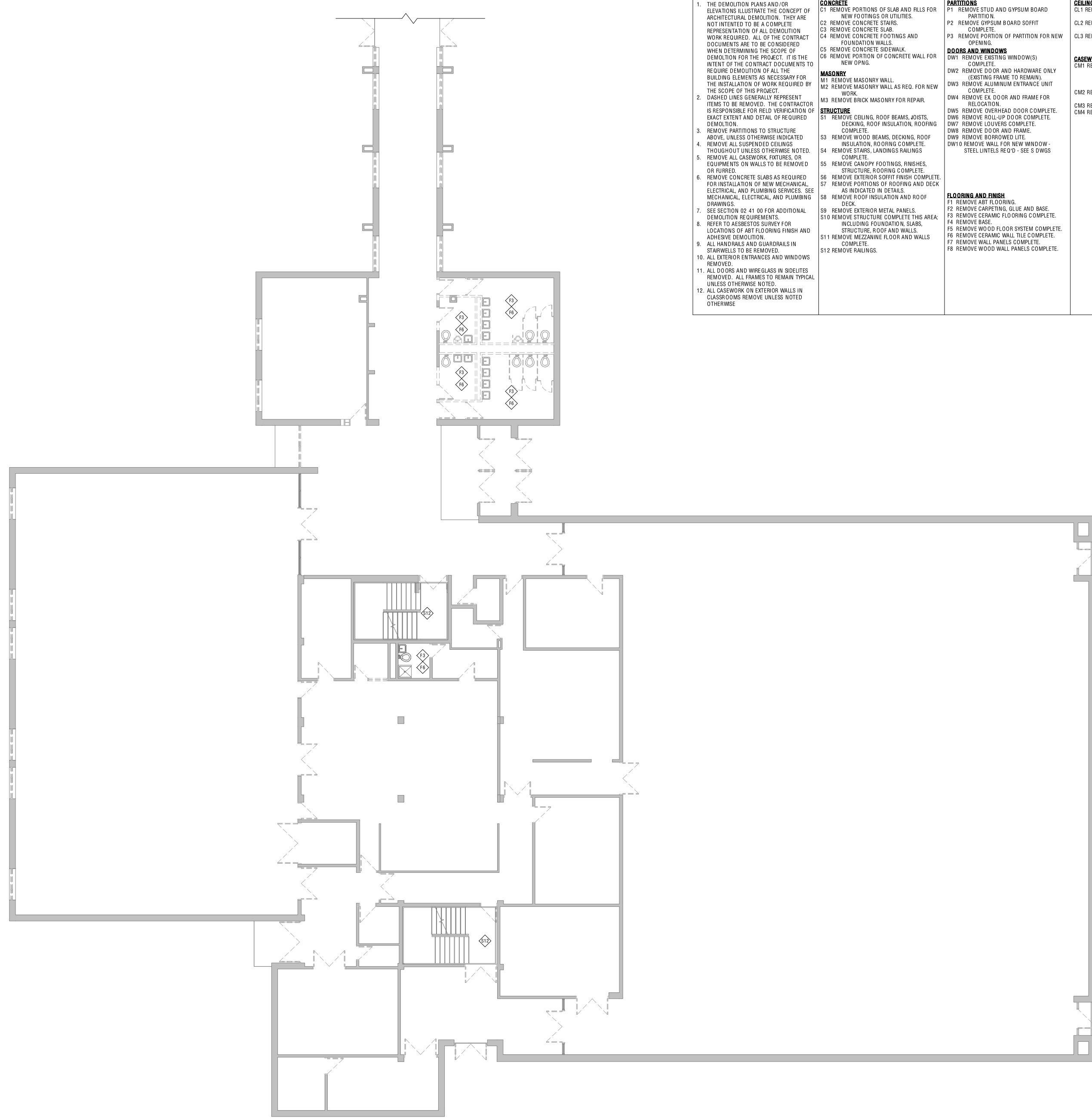
CEILINGS
- CL1 REMOVE ACOUSTIC CEILING SYSTEM COMPLETE.
- CL2 REMOVE DRYWALL CEILING SYSTEM COMPLETE.
- CL3 REMOVE PORTIONS OF DRYWALL CEILING AS REQUIRED FOR WORK ABOVE CEILING.

CASEWORK AND MILLWORK
- CM1 REMOVE CABINETS, COUNTERS AND PLUMBING FIXTURES. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- CM2 REMOVE LAVATORY COUNTER AND SUPPORTS.
- CM3 REMOVE BOOKCASES.
- CM4 REMOVE COUNTERTOP.

EQUIPMENT
- E1 REMOVE LOCKERS COMPLETE.
- E2 REMOVE CONCRETE / WOOD LOCKER BASES.
- E3 REMOVE DISPLAY BOARDS, WINDOW TREATMENTS, MISCELLANEOUS EQUIPMENT COMPLETE.
- E4 REMOVE SHELVING, RACKS, HOOKS COMPLETE.
- E5 REMOVE BLEACHERS COMPLETE.
- E6 REMOVE OPERABLE WALL AND TRACK COMPLETE.
- E7 REMOVE BASKETBALL BACKSTOP AND OTHER SPORTS EQUIPMENT COMPLETE.
- E8 REMOVE FOOD SERVICE EQUIPMENT COMPLETE.
- E9 REMOVE PLUMBING FIXTURES COMPLETE. SEE PLUMBING DRAWINGS.
- E10 REMOVE DISPLAY CASE.
- E11 REMOVE CHAIN LINK ENCLOSURE.
- E12 REMOVE ROOF HATCH.
- E13 REMOVE LADDER.
- E14 REMOVE HVAC EQUIPMENT. SEE MECH. DWGS.
- E15 REMOVE TOILET PARTITIONS COMPLETE.
- E16 REMOVE TOILET ROOM ACCESSORIES COMPLETE.

DEMOLITION PLAN LEGEND:

- F3 — KEYNOTE, SEE DEMOLITION KEYNOTE CODES ABOVE
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED, SEE KEYNOTES
- EXISTING DOOR TO REMAIN



A8 LEVEL 1 - DEMOLITION PLAN - AREA D
Scale: 1/8" = 1'-0"

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THE CARRIAGE HOUSE
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ENERGY EFFICIENT INVESTMENTS
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CIVIL:

STRUCTURAL:

ARCHITECT:
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MEP/FP:

VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 1 DEMOLITION PLAN - AREA D

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
AD101D

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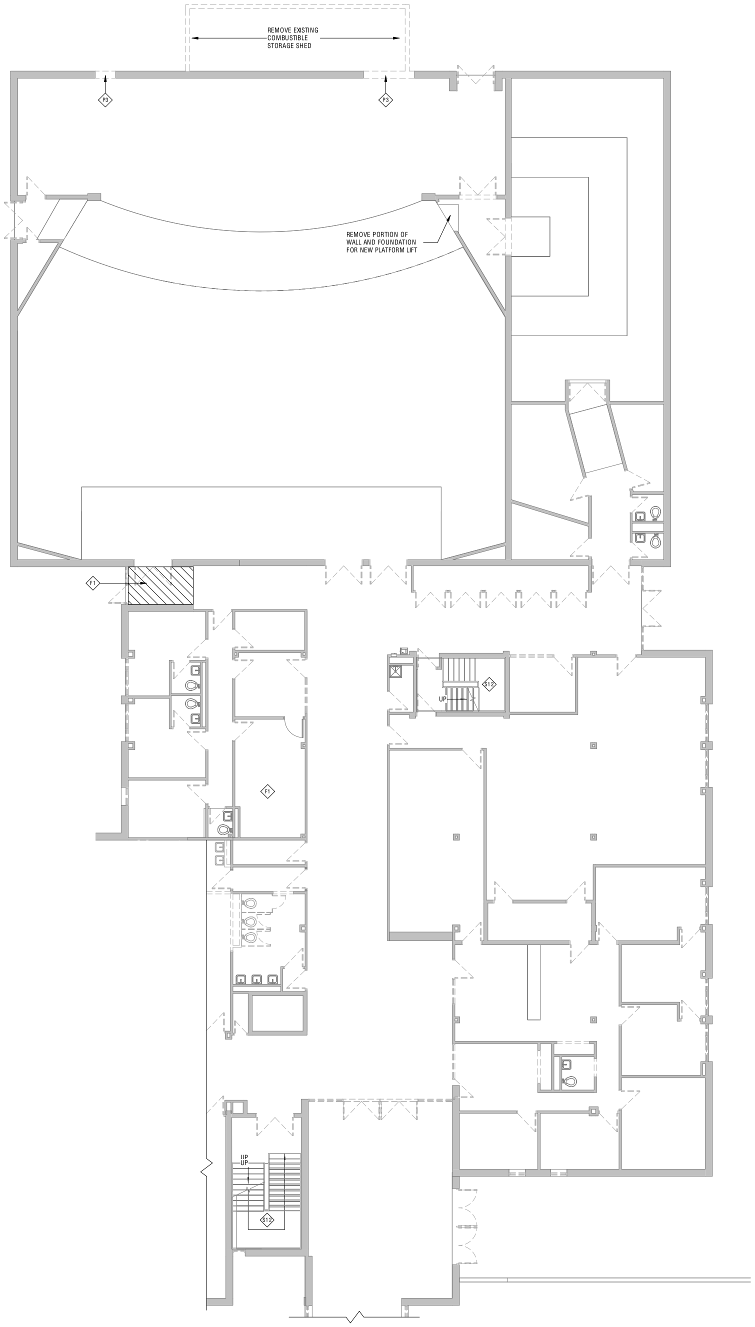

A8 LEVEL 2 - DEMOLITION PLAN - AREA A
Scale: 1/8" = 1'-0"

GENERAL DEMO PLAN NOTES:

1. THE DEMOLITION PLANS AND/OR ELEVATIONS ILLUSTRATE THE CONCEPT OF ARCHITECTURAL DEMOLITION. THEY ARE NOT INTENTED TO BE A COMPLETE REPRESENTATION OF ALL DEMOLITION WORK REQUIRED. ALL OF THE CONTRACT DOCUMENTS ARE TO BE CONSIDERED WHEN DETERMINING THE SCOPE OF DEMOLTION FOR THE PROJECT. IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO REQUIRE DEMOLITION OF ALL THE BUILDING ELEMENTS AS NECESSARY FOR THE INSTALLATION OF WORK REQUIRED BY THE SCOPE OF THIS PROJECT.
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4. REMOVE ALL SUSPENDED CEILINGS THOUGHOUT UNLESS OTHERWISE NOTED.
5. REMOVE ALL CASEWORK, FIXTURES, OR EQUIPMENTS ON WALLS TO BE REMOVED OR FURRED.
6. REMOVE CONCRETE SLABS AS REQUIRED FOR INSTALLATION OF NEW MECHANICAL, ELECTRICAL, AND PLUMBING SERVICES. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
7. SEE SECTION 02 41 00 FOR ADDITIONAL DEMOLITION REQUIREMENTS.
8. REFER TO AESBESTOS SURVEY FOR LOCATIONS OF ABT FLOORING FINISH AND ADHESIVE DEMOLITION.
9. ALL HANDRAILS AND GUARDRAILS IN STAIRWELLS TO BE REMOVED.
10. ALL EXTERIOR ENTRANCES AND WINDOWS REMOVED.
11. ALL DOORS AND WIREGLASS IN SIDELITES REMOVED. ALL FRAMES TO REMAIN TYPICAL UNLESS OTHERWISE NOTED.
12. ALL CASEWORK ON EXTERIOR WALLS IN CLASSROOMS REMOVE UNLESS NOTED OTHERWISE

DEMO PLAN KEYNOTES:

CONCRETE
- C1 REMOVE PORTIONS OF SLAB AND FILLS FOR NEW FOOTINGS OR UTILITIES.
- C2 REMOVE CONCRETE STAIRS.
- C3 REMOVE CONCRETE SLAB.
- C4 REMOVE CONCRETE FOOTINGS AND FOUNDATION WALLS.
- C5 REMOVE CONCRETE SIDEWALK.
- C6 REMOVE PORTION OF CONCRETE WALL FOR NEW OPNG.

MASONRY
- M1 REMOVE MASONRY WALL.
- M2 REMOVE MASONRY WALL AS REQ. FOR NEW WORK.
- M3 REMOVE BRICK MASONRY FOR REPAIR.

STRUCTURE
- S1 REMOVE CEILING, ROOF BEAMS, JOISTS, DECKING, ROOF INSULATION, ROOFING COMPLETE.
- S3 REMOVE WOOD BEAMS, DECKING, ROOF INSULATION, ROOFING COMPLETE.
- S4 REMOVE STAIRS, LANDINGS RAILINGS COMPLETE.
- S5 REMOVE CANOPY FOOTINGS, FINISHES, STRUCTURE, ROOFING COMPLETE.
- S6 REMOVE EXTERIOR SOFFIT FINISH COMPLETE.
- S7 REMOVE PORTIONS OF ROOFING AND DECK AS INDICATED IN DETAILS.
- S8 REMOVE ROOF INSULATION AND ROOF DECK.
- S9 REMOVE EXTERIOR METAL PANELS.
- S10 REMOVE STRUCTURE COMPLETE THIS AREA; INCLUDING FOUNDATION, SLABS, STRUCTURE, ROOF AND WALLS.
- S11 REMOVE MEZZANINE FLOOR AND WALLS COMPLETE.
- S12 REMOVE RAILINGS.

PARTITIONS
- P1 REMOVE STUD AND GYPSUM BOARD PARTITION.
- P2 REMOVE GYPSUM BOARD SOFFIT COMPLETE.
- P3 REMOVE PORTION OF PARTITION FOR NEW OPENING.

DOORS AND WINDOWS
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- DW7 REMOVE LOUVERS COMPLETE.
- DW8 REMOVE DOOR AND FRAME.
- DW9 REMOVE BORROWED LITE.
- DW10 REMOVE WALL FOR NEW WINDOW - STEEL LINTELS REQ'D - SEE S DWGS

FLOORING AND FINISH
- F1 REMOVE ABT FLOORING.
- F2 REMOVE CARPETING, GLUE AND BASE.
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- F4 REMOVE BASE.
- F5 REMOVE WOOD FLOOR SYSTEM COMPLETE.
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DEMOLITION PLAN LEGEND:

- KEYNOTE, SEE DEMOLITION KEYNOTE CODES ABOVE
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO REMAIN
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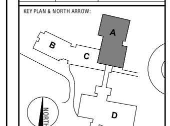
KEY PLAN & NORTH ARROW:



PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 2 DEMOLITION PLAN - AREA A

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
AD102A

12/3/2021 11:09:52 AM C:\Users\jgoulet\Documents\21-806 GMUHS Central_jeremiah@banwellnh.com.rvt

GENERAL DEMO PLAN NOTES:

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11. ALL DOORS AND WIREGLASS IN SIDELITES REMOVED. ALL FRAMES TO REMAIN TYPICAL UNLESS OTHERWISE NOTED.
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DEMO PLAN KEYNOTES:

CONCRETE

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C2 REMOVE CONCRETE STAIRS.
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MASONRY

M1 REMOVE MASONRY WALL.
M2 REMOVE MASONRY WALL AS REQ. FOR NEW WORK.
M3 REMOVE BRICK MASONRY FOR REPAIR.

STRUCTURE

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S12 REMOVE RAILINGS.

PARTITIONS

P1 REMOVE STUD AND GYPSUM BOARD PARTITION.
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P3 REMOVE PORTION OF PARTITION FOR NEW OPENING.

DOORS AND WINDOWS

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DW4 REMOVE DX DOOR AND FRAME FOR RELOCATION.
DW5 REMOVE OVERHEAD DOOR COMPLETE.
DW6 REMOVE ROLL-UP DOOR COMPLETE.
DW7 REMOVE LOUVERS COMPLETE.
DW8 REMOVE DOOR AND FRAME.
DW9 REMOVE BORROWED LITE.
DW10 REMOVE WALL FOR NEW WINDOW - STEEL LINTELS REQ'D - SEE S DWGS

FLOORING AND FINISH

F1 REMOVE ART FLOORING.
F2 REMOVE CARPETING, GLUE AND BASE.
F3 REMOVE CERAMIC FLOORING COMPLETE.
F4 REMOVE BASE.
F5 REMOVE WOOD FLOOR SYSTEM COMPLETE.
F6 REMOVE CERAMIC WALL TILE COMPLETE.
F7 REMOVE WALL PANELS COMPLETE.
F8 REMOVE WOOD WALL PANELS COMPLETE.

CEILINGS

CL1 REMOVE ACOUSTIC CEILING SYSTEM COMPLETE.
CL2 REMOVE DRYWALL CEILING SYSTEM COMPLETE.
CL3 REMOVE PORTIONS OF DRYWALL CEILING AS REQUIRED FOR WORK ABOVE CEILING.

CASEWORK AND MILLWORK

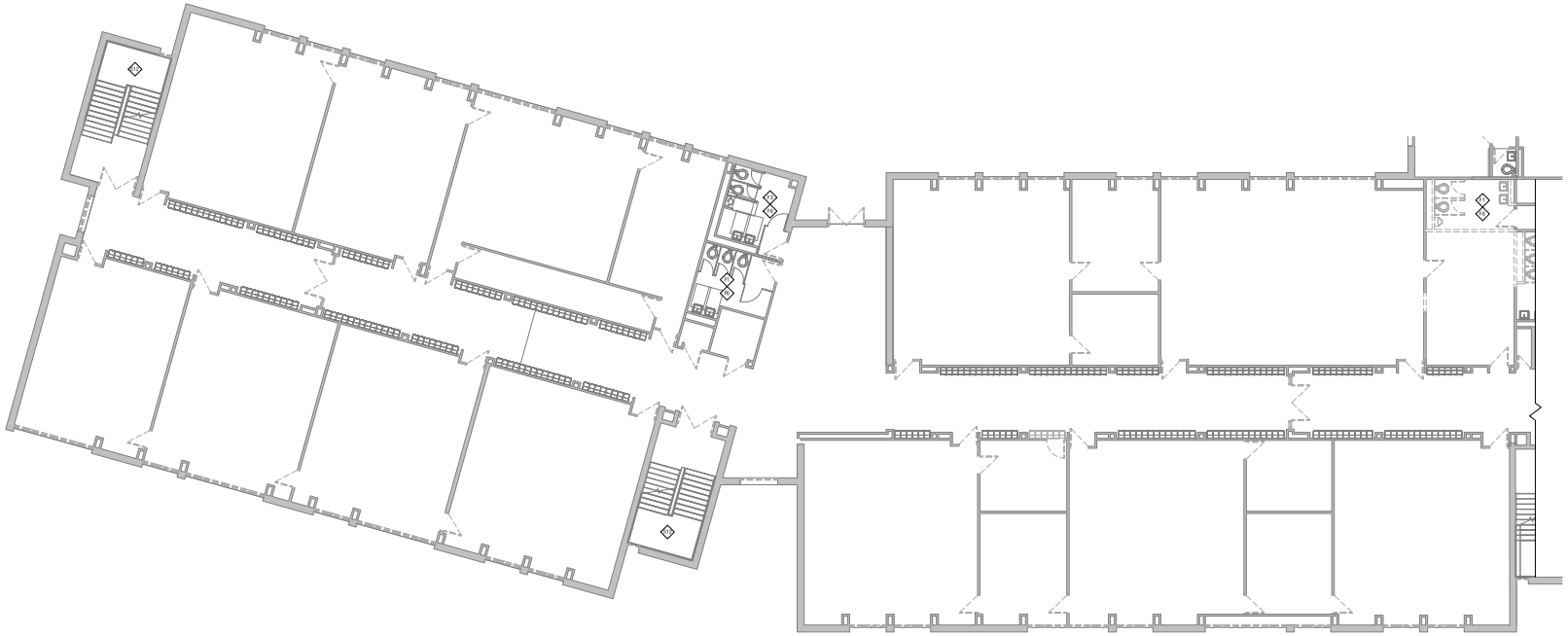
CM1 REMOVE CABINETS, COUNTERS AND PLUMBING FIXTURES. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
CM2 REMOVE LAVATORY COUNTER AND SUPPORTS.
CM3 REMOVE BOOKCASES.
CM4 REMOVE COUNTERTOP.

EQUIPMENT

E1 REMOVE LOCKERS COMPLETE.
E2 REMOVE CONCRETE / WOOD LOCKER BASES.
E3 REMOVE DISPLAY BOARDS, WINDOW TREATMENTS, MISCELLANEOUS EQUIPMENT COMPLETE.
E4 REMOVE SHELVING, RACKS, HOOKS COMPLETE.
E5 REMOVE BLEACHERS COMPLETE.
E6 REMOVE OPERABLE WALL AND TRACK COMPLETE.
E7 REMOVE BASKETBALL BACKSTOP AND OTHER SPORTS EQUIPMENT COMPLETE.
E8 REMOVE FOOD SERVICE EQUIPMENT COMPLETE.
E9 REMOVE PLUMBING FIXTURES COMPLETE. SEE PLUMBING DRAWINGS.
E10 REMOVE DISPLAY CASE.
E11 REMOVE CHAIN LINK ENCLOSURE.
E12 REMOVE ROOF HATCH.
E13 REMOVE LADDER.
E14 REMOVE HVAC EQUIPMENT. SEE MECH. DWGS.
E15 REMOVE TOILET PARTITIONS COMPLETE.
E16 REMOVE TOILET ROOM ACCESSORIES COMPLETE.

DEMOLITION PLAN LEGEND:

- KEYNOTE, SEE DEMOLITION KEYNOTE CODES ABOVE
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED, SEE KEYNOTES
- EXISTING DOOR TO REMAIN



A8 LEVEL 2 - DEMOLITION PLAN - AREA B & C
Scale: 1/8" = 1'-0"

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6 SOUTH PARK STREET
LEBANON, NH 03766
T: 603 448 3778

CONSULTANTS / DESIGN TEAM

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TWO RIVERS SUPERVISORY UNION
609 VT ROUTE 103
LUDLOW, VT 05149

CONSTRUCTION MANAGER:
ENERGY EFFICIENT INVESTMENTS
19 STAR DRIVE
MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
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6 SOUTH PARK STREET
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T: (603) 448-3778

MEP/FP:

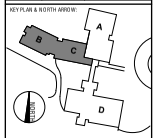
VISUAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET

NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

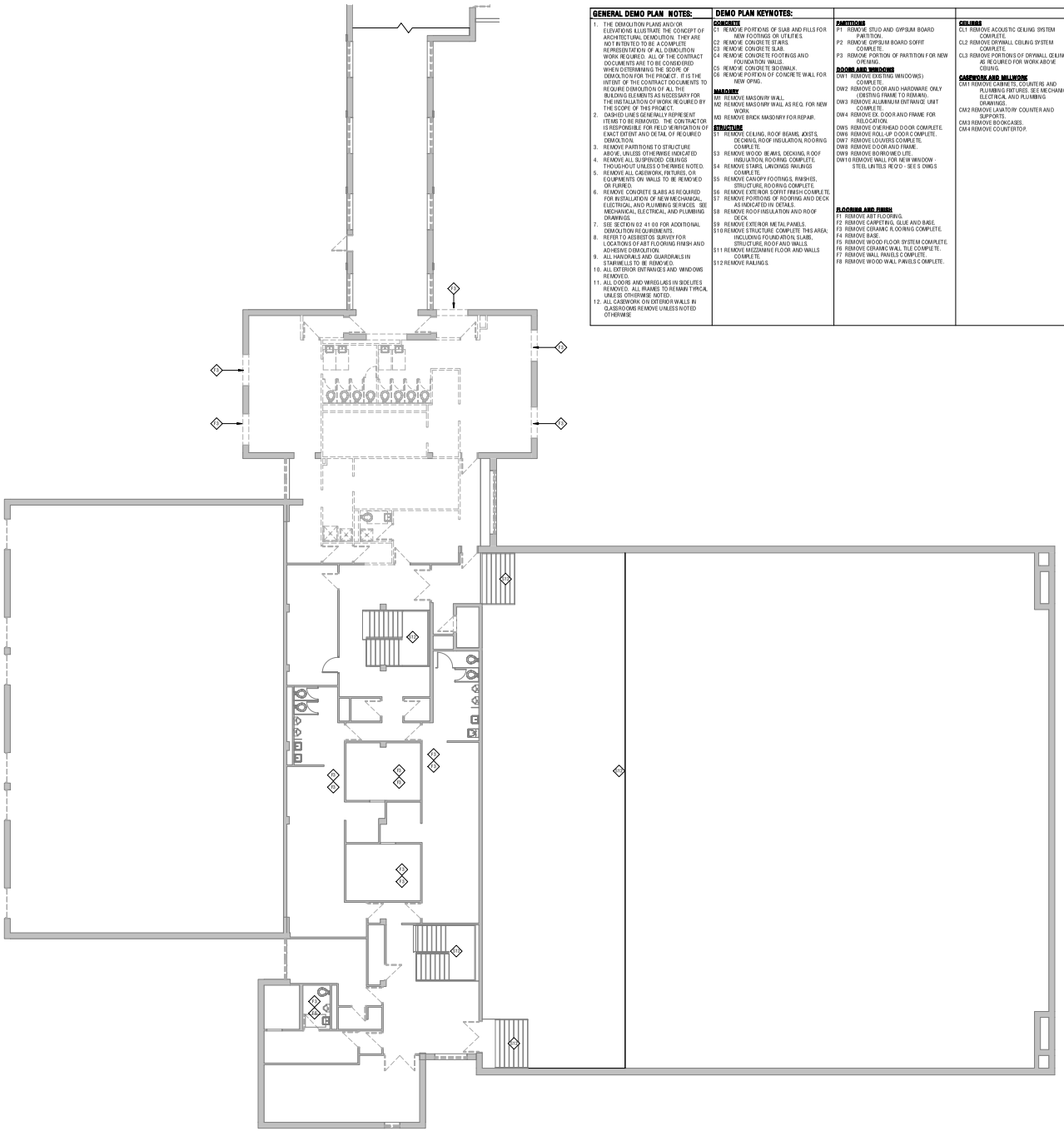
ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 2 DEMOLITION PLAN - AREA B & C

PROJECT NO: 21-806 | DATE: 12-3-2021

SHEET NUMBER:
AD102BC

12/3/2021 11:09:56 AM C:\Users\jlambert\Documents\21-806 GMUHS Central_jlambert@banwellarch.com.rvt



GENERAL DEMO PLAN NOTES:

1. THE DEMOLITION PLANS AND/OR ELEVATIONS ILLUSTRATE THE CONCEPT OF ARCHITECTURAL DEMOLITION. THEY ARE NOT INTENTED TO BE A COMPLETE REPRESENTATION OF ALL DEMOLITION WORK REQUIRED. ALL OF THE CONTRACT DOCUMENTS ARE TO BE CONSIDERED WHEN DETERMINING THE SCOPE OF DEMOLITION FOR THE PROJECT. IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO REQUIRE DEMOLITION OF ALL THE BUILDING ELEMENTS AS NECESSARY FOR THE INSTALLATION OF WORK REQUIRED BY THE SCOPE OF THIS PROJECT.
2. DASHED LINES GENERALLY REPRESENT ITEMS TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXACT EXTENT AND DETAIL OF REQUIRED DEMOLITION.
3. REMOVE PARTITIONS TO STRUCTURE ABOVE, UNLESS OTHERWISE INDICATED
4. REMOVE ALL SUSPENDED CEILINGS THOUGHOUT UNLESS OTHERWISE NOTED.
5. REMOVE ALL CASEWORK, FIXTURES, OR EQUIPMENTS ON WALLS TO BE REMOVED OR FURRED.
6. REMOVE CONCRETE SLABS AS REQUIRED FOR INSTALLATION OF NEW MECHANICAL, ELECTRICAL, AND PLUMBING SERVICES. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS
7. SEE SECTION 02 41 00 FOR ADDITIONAL DEMOLITION REQUIREMENTS.
8. REFER TO ASSBESTOS SURVEY FOR LOCATIONS OF ABT FLOORING FINISH AND ADHESIVE DEMOLITION.
9. ALL HANDRAILS AND GUARDRAILS IN STAIRWELLS TO BE REMOVED.
10. ALL EXTERIOR ENTRANCES AND WINDOWS REMOVED.
11. ALL DOORS AND WIREGLASS IN SIDELITES REMOVED. ALL FRAMES TO REMAIN TYPICAL UNLESS OTHERWISE NOTED.
12. ALL CASEWORK ON EXTERIOR WALLS IN CLASSROOMS REMOVE UNLESS NOTED OTHERWISE

DEMO PLAN KEYNOTES:

CONCRETE
C1 REMOVE PORTIONS OF SLAB AND FILLS FOR NEW FOOTINGS OR UTILITIES.
C2 REMOVE CONCRETE STAIRS.
C3 REMOVE CONCRETE SLAB.
C4 REMOVE CONCRETE FOOTINGS AND FOUNDATION WALLS.
C5 REMOVE CONCRETE SIDEWALK.
C6 REMOVE PORTION OF CONCRETE WALL FOR NEW OPNG.

MASONRY
M1 REMOVE MASONRY WALL.
M2 REMOVE MASONRY WALL AS REQ. FOR NEW WORK.
M3 REMOVE BRICK MASONRY FOR REPAIR.

STRUCTURE
S1 REMOVE CEILING, ROOF BEAMS, JOISTS, DECKING, ROOF INSULATION, ROORING COMPLETE.
S3 REMOVE WOOD BEAMS, DECKING, ROOF INSULATION, ROORING COMPLETE.
S4 REMOVE STAIRS, LANDINGS RAILINGS COMPLETE.
S5 REMOVE CANOPY FOOTINGS, RINISHES, STRUCTURE, ROORING COMPLETE.
S6 REMOVE EXTERIOR SOFFIT FINISH COMPLETE.
S7 REMOVE PORTIONS OF ROOFING AND DECK AS INDICATED IN DETAILS.
S8 REMOVE ROOFINSULATION AND ROOF DECK.
S9 REMOVE EXTERIOR METAL PANELS.
S10 REMOVE STRUCTURE COMPLETE THIS AREA; INCLUDING FOUNDATION, SLABS, STRUCTURE, ROOF AND WALLS.
S11 REMOVE MEZZANINE FLOOR AND WALLS COMPLETE
S12 REMOVE RAILINGS.

PARTITIONS
P1 REMOVE STUD AND GYPSUM BOARD PARTITION.
P2 REMOVE GYPSUM BOARD SOFFIT COMPLETE.
P3 REMOVE PORTION OF PARTITION FOR NEW OPENING.

DOORS AND WINDOWS
DW1 REMOVE EXISTING WINDOW(S) COMPLETE.
DW2 REMOVE DOOR AND HARDWARE ONLY (EXISTING FRAME TO REMAIN).
DW3 REMOVE ALUMINUM ENTRANCE UNIT COMPLETE.
DW4 REMOVE EX. DOOR AND FRAME FOR RELOCATION.
DW5 REMOVE OVERHEAD DOOR COMPLETE.
DW6 REMOVE ROLL-UP DOOR COMPLETE.
DW7 REMOVE LOUVERS COMPLETE.
DW8 REMOVE DOOR AND FRAME.
DW9 REMOVE BORROWED LITE.
DW10 REMOVE WALL FOR NEW WINDOW - STEEL LINTELS REQ'D - SEE S DWGS

FLOORING AND FINISH
F1 REMOVE ABT FLOORING.
F2 REMOVE CARPETING, GLUE AND BASE.
F3 REMOVE CERAMIC FLOORING COMPLETE.
F4 REMOVE BASE.
F5 REMOVE WOOD FLOOR SYSTEM COMPLETE.
F6 REMOVE CERAMIC WALL TILE COMPLETE.
F7 REMOVE WALL PANELS COMPLETE.
F8 REMOVE WOOD WALL PANELS COMPLETE.

CEILINGS
CL1 REMOVE ACOUSTIC CEILING SYSTEM COMPLETE.
CL2 REMOVE DRYWALL CEILING SYSTEM COMPLETE.
CL3 REMOVE PORTIONS OF DRYWALL CEILING AS REQUIRED FOR WORK ABOVE CEILING.

CASEWORK AND MILLWORK
CW1 REMOVE CABINETS, COUNTERS AND PLUMBING FIXTURES. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
CW2 REMOVE LAVATORY COUNTER AND SUPPORTS.
CW3 REMOVE BOOKCASES.
CW4 REMOVE COUNTERTOP.

EQUIPMENT
E1 REMOVE LOCKERS COMPLETE.
E2 REMOVE CONCRETE / WOOD LOCKER BASES.
E3 REMOVE DISPLAY BOARDS, WINDOW TREATMENTS, MISCELLANEOUS EQUIPMENT COMPLETE.
E4 REMOVE SHELVING, RACKS, HOOKS COMPLETE.
E5 REMOVE BLEACHERS COMPLETE.
E6 REMOVE OPERABLE WALL AND TRACK COMPLETE.
E7 REMOVE BASKETBALL BACKSTOP AND OTHER SPORTS EQUIPMENT COMPLETE.
E8 REMOVE FOOD SERVICE EQUIPMENT COMPLETE.
E9 REMOVE PLUMBING FIXTURES COMPLETE. SEE PLUMBING DRAWINGS.
E10 REMOVE DISPLAY CASE.
E11 REMOVE CHAIN LINK ENCLOSURE.
E12 REMOVE ROOF HATCH.
E13 REMOVE LADDER
E14 REMOVE HVAC EQUIPMENT. SEE MECH. DWGS.
E15 REMOVE TOILET PARTITIONS COMPLETE.
E16 REMOVE TOILET ROOM ACCESSORIES COMPLETE.

DEMOLITION PLAN LEGEND:

- KEYNOTE, SEE DEMOLITION KEYNOTE CODES ABOVE
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED, SEE NEWNOTES
- EXISTING DOOR TO REMAIN

A8 LEVEL 2 - DEMOLITION PLAN - AREA D
Scale: 1/8" = 1'-0"

12/3/2021 11:09:59 AM C:\Users\jlamont\Documents\21-606 BANWELL Central_jlamont@banwellarch.com.rvt

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MEP/FP:

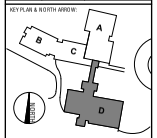
VISUAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET

NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



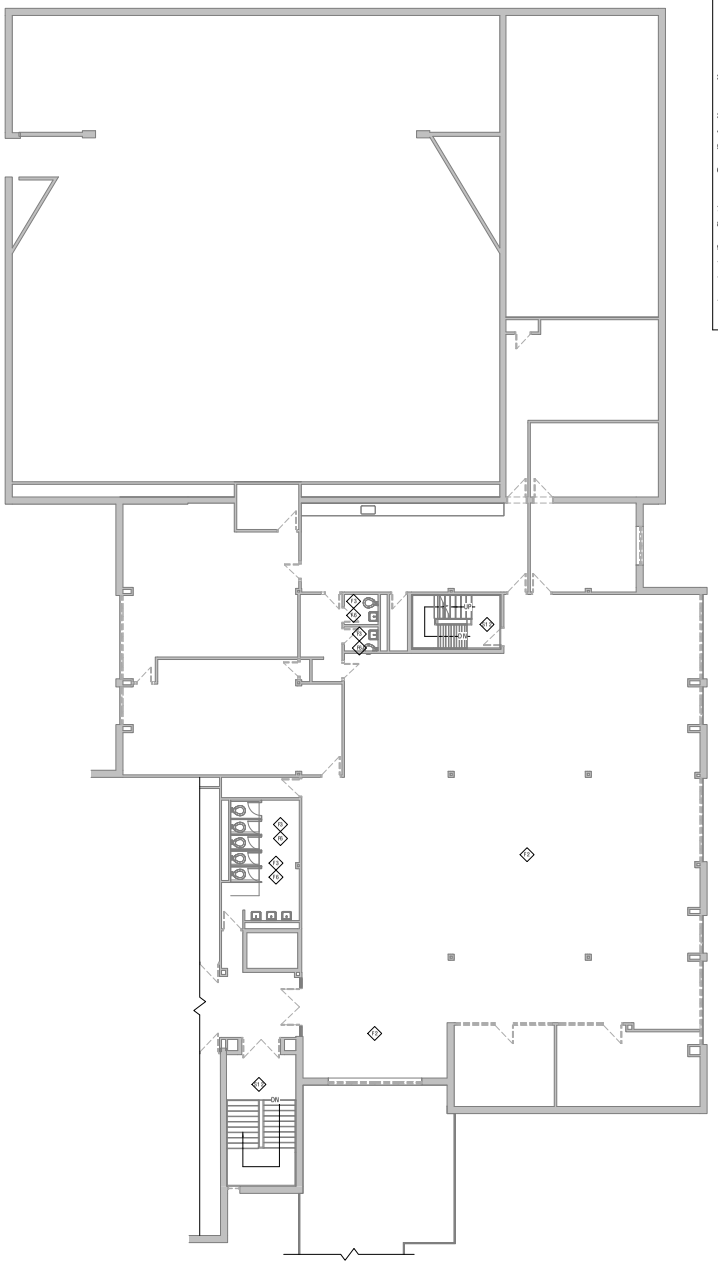
PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 2 DEMOLITION PLAN - AREA D

PROJECT NO: 21-606 | DATE: 12-3-2021

SHEET NUMBER:
AD102D



GENERAL DEMO PLAN NOTES:

1. THE DEMOLITION PLANS AND/OR ELEVATIONS ILLUSTRATE THE CONCEPT OF ARCHITECTURAL DEMOLITION. THEY ARE NOT INTENTED TO BE A COMPLETE REPRESENTATION OF ALL DEMOLITION WORK REQUIRED. ALL OF THE CONTRACT DOCUMENTS ARE TO BE CONSIDERED WHEN DETERMINING THE SCOPE OF DEMOLITION FOR THE PROJECT. IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO REQUIRE DEMOLITION OF ALL THE BUILDING ELEMENTS AS NECESSARY FOR THE INSTALLATION OF WORK REQUIRED BY THE SCOPE OF THIS PROJECT.
2. DASHED LINES GENERALLY REPRESENT ITEMS TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXACT EXTENT AND DETAIL OF REQUIRED DEMOLITION.
3. REMOVE PARTITIONS TO STRUCTURE ABOVE, UNLESS OTHERWISE INDICATED
4. REMOVE ALL SUSPENDED CEILINGS THOUGHOUT UNLESS OTHERWISE NOTED.
5. REMOVE ALL CASEWORK, FIXTURES, OR EQUIPMENTS ON WALLS TO BE REMOVED OR RUINED.
6. REMOVE CONCRETE SLABS AS REQUIRED FOR INSTALLATION OF NEW MECHANICAL, ELECTRICAL AND PLUMBING SERVICES. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
7. SEE SECTION 02 41 00 FOR ADDITIONAL DEMOLITION REQUIREMENTS.
8. REFER TO ASSBESTOS SURVEY FOR LOCATIONS OF ABT FLOORING FINISH AND ADHESIVE DEMOLITION.
9. ALL HANDRAILS AND GUARDRAILS IN STAIRWELLS TO BE REMOVED.
10. ALL EXTERIOR ENTRANCES AND WINDOWS REMOVED.
11. ALL DOORS AND WIREGLASS IN SIDELITES REMOVED. ALL FRAMES TO REMAIN TYPICAL UNLESS OTHERWISE NOTED.
12. ALL CASEWORK ON EXTERIOR WALLS IN CLASSROOMS REMOVE UNLESS NOTED OTHERWISE

DEMO PLAN KEYNOTES:

CONCRETE
- C1 REMOVE PORTIONS OF SLAB AND FILLS FOR NEW FOOTINGS OR UTILITIES.
- C2 REMOVE CONCRETE STAIRS.
- C3 REMOVE CONCRETE SLAB.
- C4 REMOVE CONCRETE FOOTINGS AND FOUNDATION WALLS.
- C5 REMOVE CONCRETE SIDEWALK.
- C6 REMOVE PORTION OF C CONCRETE WALL FOR NEW OPNG.

MASONRY
- M1 REMOVE MASONRY WALL.
- M2 REMOVE MASONRY WALL AS REQ. FOR NEW WORK.
- M3 REMOVE BRICK MASONRY FOR REPAIR.

STRUCTURE
- S1 REMOVE CEILING, ROOF BEAMS, JOISTS, DECKING, ROOF INSULATION, ROOFING COMPLETE.
- S3 REMOVE WOOD BEAMS, DECKING, ROOF INSULATION, ROOFING C OMPLETE.
- S4 REMOVE STAIRS, LANDINGS RAILINGS COMPLETE.
- S5 REMOVE CANOPY FOOTINGS, FINISHES, STRUCTURE, ROOFING COMPLETE.
- S6 REMOVE EXTERIOR SOFFIT FINISH COMPLETE.
- S7 REMOVE PORTIONS OF ROOFING AND DECK AS INDICATED IN DETAILS.
- S8 REMOVE ROOF INSULATION AND ROOF DECK.
- S9 REMOVE EXTERIOR METAL PANELS.
- S10 REMOVE STRUCTURE COMPLETE THIS AREA INCL UDING FOUNDATION, SLABS, STRUCTURE, ROOF AND WALLS.
- S11 REMOVE MEZZANINE FLOOR AND WALLS COMPLETE.
- S12 REMOVE RAILINGS.

PARTITIONS
- P1 REMOVE STUD AND GYPSUM BOARD PARTITION.
- P2 REMOVE GYPSUM B OARD SOFFIT COMPLETE.
- P3 REMOVE PORTION OF PARTITION FOR NEW OPENING.

DOORS AND WINDOWS
- DW1 REMOVE EXISTING WINDOW(S) COMPLETE.
- DW2 REMOVE DOOR AND HARDWARE ONLY (EXISTING FRAME TO REMAIN).
- DW3 REMOVE ALUMINUM ENTRANCE UNIT COMPLETE.
- DW4 REMOVE DL DOOR AND FRAME FOR RELOCATION.
- DW5 REMOVE OVERHEAD DOOR COMPLETE.
- DW6 REMOVE ROLL-UP DOOR COMPLETE.
- DW7 REMOVE LOUVERS COMPLETE.
- DW8 REMOVE DOOR AND FRAME.
- DW9 REMOVE BORROWED LITE.
- DW10 REMOVE WALL FOR NEW WINDOW - STEEL LINTELS REQ'D - SEE S DWGS

FLOORING AND FINISH
- F1 REMOVE ABT FLOORING.
- F2 REMOVE CARPETING, GLUE AND BASE.
- F3 REMOVE CERAMIC FLOORING COMPLETE.
- F4 REMOVE BASE.
- F5 REMOVE WOOD FLOOR SYSTEM COMPLETE.
- F6 REMOVE CERAMIC WALL TILE COMPLETE.
- F7 REMOVE WALL PANELS COMPLETE.
- F8 REMOVE WOOD WALL PANELS COMPLETE.

CEILINGS
- CL1 REMOVE ACOUSTIC CEILING SYSTEM COMPLETE.
- CL2 REMOVE DRYWALL CEILING SYSTEM COMPLETE.
- CL3 REMOVE PORTIONS OF DRYWALL CEILING AS REQUIRED FOR WORK ABOVE CEILING.

CASEWORK AND MILLWORK
- CM1 REMOVE CABINETS, COUNTERS AND PLUMBING FIXTURES. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- CM2 REMOVE LAVATORY COUNTER AND SUPPORTS.
- CM3 REMOVE BOOKCASES.
- CM4 REMOVE COUNTERTOP.

EQUIPMENT
- E1 REMOVE LOCKERS COMPLETE.
- E2 REMOVE CONCRETE / WOOD LOCKER BASES.
- E3 REMOVE DISPLAY BOARDS, WINDOW TREATMENTS, MISCELLANEOUS EQUIPMENT COMPLETE.
- E4 REMOVE SHELVING, RACKS, HOOKS COMPLETE.
- E5 REMOVE BLEACHERS COMPLETE.
- E6 REMOVE OPERABLE WALL AND TRACK COMPLETE.
- E7 REMOVE BASKETBALL BACKSTOP AND OTHER SPORTS EQUIPMENT COMPLETE.
- E8 REMOVE FOOD SERVICE EQUIPMENT COMPLETE.
- E9 REMOVE PLUMBING FIXTURES COMPLETE. SEE PLUMBING DRAWINGS.
- E10 REMOVE DISPLAY CASE.
- E11 REMOVE CHAIN LINK ENCLOSURE.
- E12 REMOVE ROOF HATCH.
- E13 REMOVE LADDER.
- E14 REMOVE HVAC EQUIPMENT. SEE MECH. DWGS.
- E15 REMOVE TOILET PARTITIONS COMPLETE.
- E16 REMOVE TOILET ROOM ACCESSORIES COMPLETE.

DEMOLITION PLAN LEGEND:

- KEYNOTE, SEE DEMOLITION KEYNOTE CODES ABOVE
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED, SEE KEYNOTES
- EXISTING DOOR TO REMAIN

A8 LEVEL 3 - DEMOLITION PLAN - AREA A
Scale: 1/8" = 1'-0"

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CONSULTANTS / DESIGN TEAM:

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CIVIL:

STRUCTURAL:

ARCHITECT:
BANWELL ARCHITECTS, NH
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T: (603) 448-3778

MEP/FP:

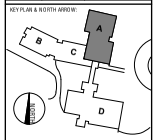
VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET

NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 3 DEMOLITION - AREA A

PROJECT NO: 21-606 | DATE: 12-3-2021

SHEET NUMBER:
AD103A

GENERAL DEMO PLAN NOTES:

1. THE DEMOLITION PLANS AND/OR ELEVATIONS ILLUSTRATE THE CONCEPT OF ARCHITECTURAL DEMOLITION. THEY ARE NOT INTENTED TO BE A COMPLETE REPRESENTATION OF ALL DEMOLITION WORK REQUIRED. ALL OF THE CONTRACT DOCUMENTS ARE TO BE CONSIDERED WHEN DETERMINING THE SCOPE OF DEMOLTION FOR THE PROJECT. IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO REQUIRE DEMOLITION OF ALL THE BUILDING ELEMENTS AS NECESSARY FOR THE INSTALLATION OF WORK REQUIRED BY THE SCOPE OF THIS PROJECT.
2. DASHED LINES GENERALLY REPRESENT ITEMS TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXACT EXTENT AND DETAIL OF REQUIRED DEMOLTION.
3. REMOVE PARTITIONS TO STRUCTURE ABOVE, UNLESS OTHERWISE INDICATED
4. REMOVE ALL SUSPENDED CEILINGS THOUGHOUT UNLESS OTHERWISE NOTED.
5. REMOVE ALL CASEWORK, FIXTURES, OR EQUIPMENTS ON WALLS TO BE REMOVED OR FURRED.
6. REMOVE CONCRETE SLABS AS REQUIRED FOR INSTALLATION OF NEW MECHANICAL, ELECTRICAL, AND PLUMBING SERVICES. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
7. SEE SECTION 02 41 00 FOR ADDITIONAL DEMOLITION REQUIREMENTS.
8. REFER TO AESBESTOS SURVEY FOR LOCATIONS OF ABT FLOORING FINISH AND ADHESIVE DEMOLITION.
9. ALL HANDRAILS AND GUARDRAILS IN STAIRWELLS TO BE REMOVED.
10. ALL EXTERIOR ENTRANCES AND WINDOWS REMOVED.
11. ALL DOORS AND WIREGLASS IN SIDELITES REMOVED. ALL FRAMES TO REMAIN TYPICAL UNLESS OTHERWISE NOTED.
12. ALL CASEWORK ON EXTERIOR WALLS IN CLASSROOMS REMOVE UNLESS NOTED OTHERWISE

DEMO PLAN KEYNOTES:

CONCRETE
- C1 REMOVE PORTIONS OF SLAB AND FILLS FOR NEW FOOTINGS OR UTILITIES.
- C2 REMOVE CONCRETE STAIRS.
- C3 REMOVE CONCRETE SLAB.
- C4 REMOVE CONCRETE FOOTINGS AND FOUNDATION WALLS.
- C5 REMOVE CONCRETE SIDEWALK.
- C6 REMOVE PORTION OF CONCRETE WALL FOR NEW OPNG.

MASONRY
- M1 REMOVE MASONRY WALL.
- M2 REMOVE MASONRY WALL AS REQ. FOR NEW WORK.
- M3 REMOVE BRICK MASONRY FOR REPAIR.

STRUCTURE
- S1 REMOVE CEILING, ROOF BEAMS, JOISTS, DECKING, ROOF INSULATION, ROOFING COMPLETE.
- S3 REMOVE WOOD BEAMS, DECKING, ROOF INSULATION, ROOFING COMPLETE.
- S4 REMOVE STAIRS, LANDINGS RAILINGS COMPLETE.
- S5 REMOVE CANOPY FOOTINGS, FINISHES, STRUCTURE, ROOFING COMPLETE.
- S6 REMOVE EXTERIOR SOFFIT FINISH COMPLETE.
- S7 REMOVE PORTIONS OF ROOFING AND DECK AS INDICATED IN DETAILS.
- S8 REMOVE ROOF INSULATION AND ROOF DECK.
- S9 REMOVE EXTERIOR METAL PANELS.
- S10 REMOVE STRUCTURE COMPLETE THIS AREA; INCLUDING FOUNDATION, SLABS, STRUCTURE, ROOF AND WALLS.
- S11 REMOVE MEZZANINE FLOOR AND WALLS COMPLETE.
- S12 REMOVE RAILINGS.

PARTITIONS
- P1 REMOVE STUD AND GYPSUM BOARD PARTITION.
- P2 REMOVE GYPSUM BOARD SOFFIT COMPLETE.
- P3 REMOVE PORTION OF PARTITION FOR NEW OPENING.

DOORS AND WINDOWS
- DW1 REMOVE EXISTING WINDOW(S) COMPLETE.
- DW2 REMOVE DOOR AND HARDWARE ONLY (EXISTING FRAME TO REMAIN).
- DW3 REMOVE ALUMINUM ENTRANCE UNIT COMPLETE.
- DW4 REMOVE EX. DOOR AND FRAME FOR RELOCATION.
- DW5 REMOVE OVERHEAD DOOR COMPLETE.
- DW6 REMOVE ROLL-UP DOOR COMPLETE.
- DW7 REMOVE LOUVERS COMPLETE.
- DW8 REMOVE DOOR AND FRAME.
- DW9 REMOVE BORROWED LITE.
- DW10 REMOVE WALL FOR NEW WINDOW - STEEL LINTELS REQ'D - SEE S DWGS

FLOORING AND FINISH
- F1 REMOVE ABT FLOORING.
- F2 REMOVE CARPETING, GLUE AND BASE.
- F3 REMOVE CERAMIC FLOORING COMPLETE.
- F4 REMOVE BASE.
- F5 REMOVE WOOD FLOOR SYSTEM COMPLETE.
- F6 REMOVE CERAMIC WALL TILE COMPLETE.
- F7 REMOVE WALL PANELS COMPLETE.
- F8 REMOVE WOOD WALL PANELS COMPLETE.

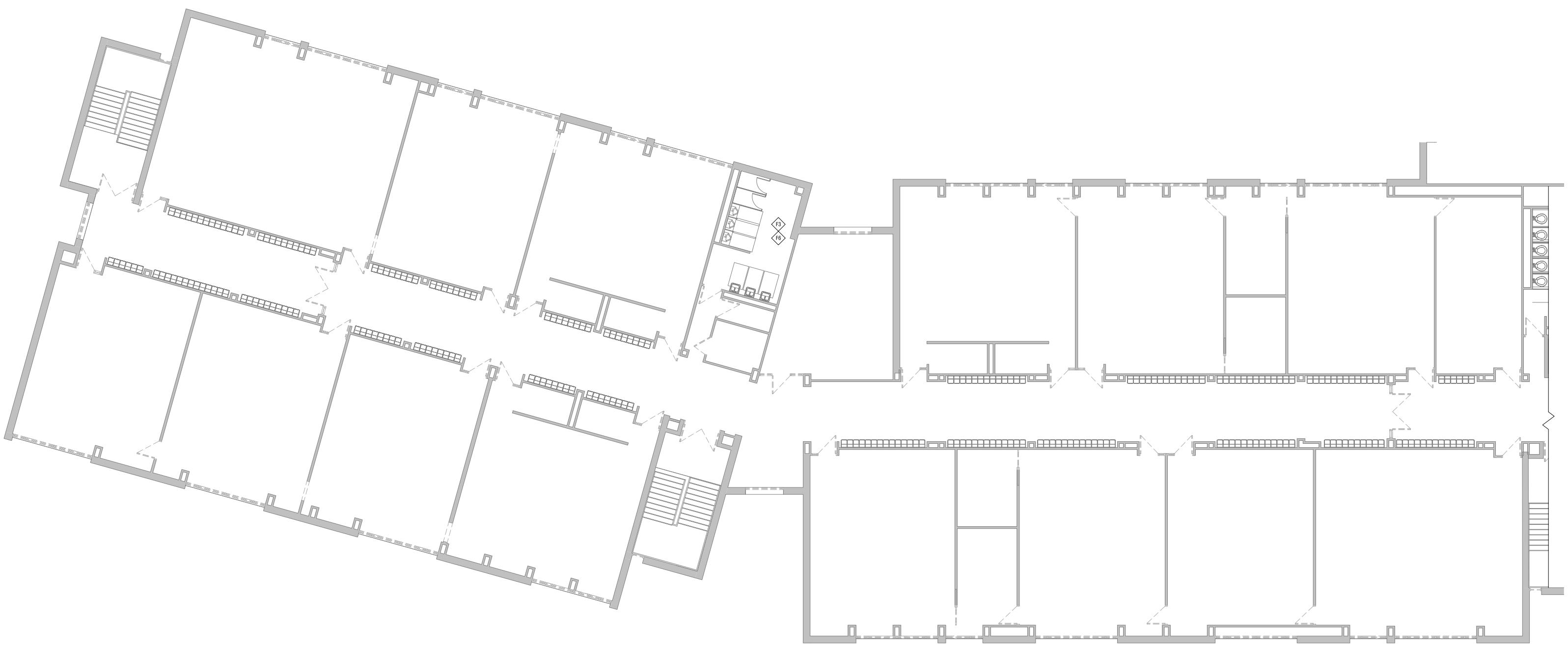
CEILINGS
- CL1 REMOVE ACOUSTIC CEILING SYSTEM COMPLETE.
- CL2 REMOVE DRYWALL CEILING SYSTEM COMPLETE.
- CL3 REMOVE PORTIONS OF DRYWALL CEILING AS REQUIRED FOR WORK ABOVE CEILING.

CASEWORK AND MILLWORK
- CM1 REMOVE CABINETS, COUNTERS AND PLUMBING FIXTURES. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- CM2 REMOVE LAVATORY COUNTER AND SUPPORTS.
- CM3 REMOVE BOOKCASES.
- CM4 REMOVE COUNTERTOP.

EQUIPMENT
- E1 REMOVE LOCKERS COMPLETE.
- E2 REMOVE CONCRETE / WOOD LOCKER BASES.
- E3 REMOVE DISPLAY BOARDS, WINDOW TREATMENTS, MISCELLANEOUS EQUIPMENT COMPLETE.
- E4 REMOVE SHELVING, RACKS, HOOKS COMPLETE.
- E5 REMOVE BLEACHERS COMPLETE.
- E6 REMOVE OPERABLE WALL AND TRACK COMPLETE.
- E7 REMOVE BASKETBALL BACKSTOP AND OTHER SPORTS EQUIPMENT COMPLETE.
- E8 REMOVE FOOD SERVICE EQUIPMENT COMPLETE.
- E9 REMOVE PLUMBING FIXTURES COMPLETE. SEE PLUMBING DRAWINGS.
- E10 REMOVE DISPLAY CASE.
- E11 REMOVE CHAIN LINK ENCLOSURE.
- E12 REMOVE ROOF HATCH.
- E13 REMOVE LADDER.
- E14 REMOVE HVAC EQUIPMENT. SEE MECH. DWGS.
- E15 REMOVE TOILET PARTITIONS COMPLETE.
- E16 REMOVE TOILET ROOM ACCESSORIES COMPLETE.

DEMOLITION PLAN LEGEND:

- F3 — KEYNOTE, SEE DEMOLITION KEYNOTE CODES ABOVE
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED, SEE KEYNOTES
- EXISTING DOOR TO REMAIN



A8 LEVEL 3 - DEMOLITION PLAN - AREA B & C
Scale: 1/8" = 1'-0"

banwell ARCHITECTS
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6 SOUTH PARK STREET
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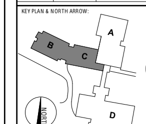
MEP/FP:

VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 3 DEMOLITION PLAN - AREA B & C

PROJECT NO: 21-806 | DATE: 12-3-2021

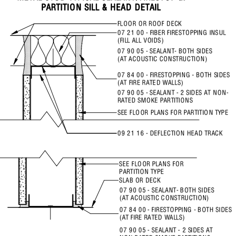
SHEET NUMBER:
AD103BC

ABBREVIATIONS LIST

THE FOLLOWING TABLE OF ABBREVIATIONS IS FOR THE CONVENIENCE OF THE CONTRACTOR AND MAY NOT INCLUDE ALL ABBREVIATIONS USED IN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL PROPTLY CONTACT THE ARCHITECT IF CLARIFICATIONS OR INTERPRETATION OF THESE OR ANY ABBREVIATIONS USED IN THE CONSTRUCTION DOCUMENTS IS REQUIRED.

A	
A/C	AIR CONDITION
A/C UNIT	AIR CONDITIONING UNIT
A/E	ARCHITECT/ENGINEER
AB	ANCHOR BOLT
ABV	ABOVE
ACC	ACCESSIBLE
ACS DR	ACCESS DOOR
ACS PNL	ACCESS PANEL
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADMIN	ADMINISTRATION
AFC	ABOVE FINISHED COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SLAB
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
AIB	AIR INFILTRATION BARRIER
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZE
APC	ACOUSTICAL PANEL CEILING
APPROX	APPROXIMATE
AR	AS REQUIRED
ARCH	ARCHITECT
ASC	ABOVE SUSPENDED CEILING
ASSY	ASSEMBLY
AVG	AVERAGE
AW	ARCHITECTURAL WOODWORK
AWP	ACOUSTICAL WALL PANEL
B	
BALC	BALCONY
BB	BASEBOARD
BC	BOOKCASE
BCS	BABY CHANGING STATION
BD	BOARD
BDRY	BOUNDARY
BFF	BELOW FINISH FLOOR
BHMA	BUILDER'S HARDWARE MANUFACTURER'S ASSOCIATION
BIT	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BLT IN	BUILT-IN
BN	BULLNOSE
BO	BOTTOM OF
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BP	BUILDING PAPER
BRKT	BRACKET
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
C	
C CONC	CAST CONCRETE
CAB	CABINET
CATW	CATWALK
CAV	CAVITY
CBB	CEMENTITIOUS (BACKER) BOARD
CD	CONSTRUCTION DOCUMENTS
CM	CONSTRUCTION MANAGER
CER	CERAMIC
CF	CONTRACTOR FURNISHED
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CFE	CONTRACTOR FURNISHED EQUIPMENT
CFLG	COUNTERFLASHING
CFM	CUBIC FEET PER MINUTE
CFMF	COLD-FORMED METAL FRAMING
CFS	CUBIC FEET PER SECOND
CG	CORNER GUARD
CH	COAT HOOK
CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLG DIFF	CEILING DIFFUSER
CLG HT	CEILING HEIGHT
CLL	COLUMN LINE
CLR	CLEAR
CLO	CLOSET
CLR	COLOR
CLRM	CLASSROOM
CMU	CONCRETE MASONRY UNIT
CNDS	CONDENSATE
CDR	CARD READER
CO	CLEANOUT
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONC FLR	CONCRETE FLOOR
CONF	CONFERENCE
CONT	CONTINUE
COORD	COORDINATE
CORR	CORRIDOR
CP	CONCRETE PIPE
CPT	CARPET
CR	CONTROL ROOM
CS	CAST STONE
CSWK	CASEWORK
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTF	CERAMIC TILE FLOOR
CTR	CENTER
CU FT	CUBIC FEET
CW	CASEMENT WINDOW
D	
D	DEPTH
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DIR	DIRECTION
DIST	DISTANCE
DIV	DIVISION
DN	DOWN
DOC	DOCUMENT
DR	DOOR
DS	DOWNSPOUT
D/W	DISHWASHER
DWG	DRAWING
DF	DRINKING FOUNTAIN
E	
EA	EACH
EF	EACH FACE
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
ES	EACH SIDE
EL	ELEVATION
ELEV	ELEVATOR
ENTR	ENTRANCE
EPS	EXPANDED POLYSTYRENE BOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATED
EX	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
EXTG	EXTINGUISHER
EXT GR	EXTERIOR GRADE
F	
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FAS BD	FASCIA BOARD
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FACE
FF EL	FINISH FLOOR ELEVATION
FGL	FIBERGLASS
FHP	FULL HEIGHT PARTITION
FIN	FINISH
FIN BS	FINISH BOTH SIDES
FIN FLR	FINISH FLOOR
FIN GR	FINISH GRADE
FIXT	FIXTURE
FLDG	FOLDING
FLEX	FLEXIBLE
FLG	FLOORING
FLMT	FLUSH MOUNT
FLR	FLOOR
FM	FACTORY MUTUAL
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FRG	FIBER REINFORCED GYPSUM
FRMG	FRAMING
FRP	FIBERGLASS REINFORCED PLASTIC
FRTW	FIRE RETARDANT TREATED WOOD
FSTNR	FASTENER
FT	FEET
FTG	FOOTING
FWC	FABRIC WALLCOVERING
G	
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GL	GLAZING
GR FL	GROUND FLOOR
GUT	GUTTER
GWB	GYPSUM WALL BOARD
GYP PLAS	GYPSUM PLASTER
GYP SHTG	GYPSUM SHEATHING
H	
HB	HOSE BIBB
HC	HANDICAPPED
HD	HAND DRYER
HDPE	HIGH DENSITY POLYETHYLENE
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HMD	HOLLOW METAL DOOR
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HYDR	HYDRAULIC
I	
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
INCL	INCLUDE (ING)
INSUL	INSULATION
INT	INTERIOR
ILO	IN LIEU OF
INV	INVERT
J	
JAN	JANITOR
K	
KIT	KITCHEN
KO	KNOCK OUT
KPD	KEYPAD
KPL	KICKPLATE
L	
LAM	LAMINATE
LAV	LAVATORY
LBS	POUND
LDG	LANDING
LF	LINEAR FEET (FOOT)
LH	LEFT HAND
LIN	LINEAR
LKR	LOCKER
LOC	LOCATION
LT	LIGHT
LVDR	LOUVER DOOR
LVR	LOUVER
M	
MACH RM	MACHINE ROOM
MANUF	MANUFACTURER
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MECH RM	MECHANICAL ROOM
MEMB	MEMBRANE
MF	MILL FINISH
MFR	MANUFACTURER
MH	MOP HOLDER
MID	MIDDLE
MIN	MINIMUM, MINUTE
MIRR	MIRROR
MISC	MISCELLANEOUS
MLDG	MOLDING (MOULDING)
MO	MASONRY OPENING
MOD	MODIFY
MR	MOISTURE RESISTANT
MTG	MOUNTING
MTL	METAL
MVBL	MOVABLE
MWP	MEMBRANE WATERPROOFING
N	
N	NORTH
NA	NOT APPLICABLE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NP	NO PAINT
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
O	
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED/OWNER INSTALLED
OFD	OVERFLOW DRAIN
OFF	OFFICE
OGL	OBSCURE GLASS
O/O	OUTSIDE TO OUTSIDE
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OPQ	OPAQUE
OWSJ	OPEN WEB STEEL JOIST
OPR	OPERABLE
ORD	OVERFLOW ROOF DRAIN
ORIG	ORIGINAL
P	
PA	PUBLIC ADDRESS
PAR	PARAPET
PAT	PATTERN
PB	PULL BOX
PBD	PARTICLEBOARD
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PD	PAPER TOWEL DISPENSER
PERF	PERFORATED
PERIM	PERIMETER
PH	PHASE
PIL	PILASTER
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLG	PILING
PLYWD	PLYWOOD
PNL	PANEL
PP PL	PUSH/PULL PLATE
PR	PAIR
PRCST	PRECAST
PRKG	PARKING
PS CONC	PRESTRESSED CONCRETE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAINTED
PTN	PARTITION
PVC	POLY VINYL CHLORIDE
PWR	POWER
Q	
QT	QUARRY TILE
QTY	QUANTITY
R	
R	RADIUS
RB	RESILIENT BASE
RBR	RUBBER
RC	REINFORCED CONCRETE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RDG INS	RIGID INSULATION, SOLID
REC	RECESSED
REF	REFERENCE
REM	REMOVABLE
REP	REPAIR
REPL	REPLACE
REQ	REQUIRE
REQD	REQUIRED
RESIL	RESILIENT
REST	RESTROOM
RF	RESILIENT FLOORING
RFG	ROOFING
RH	RIGHT HAND
RHR	RIGHT HAND REVERSE
RL	ROOF LEADER
RLG	RAILING
RM	ROOM
RO	ROUGH OPENING
RSD	ROLLING STEEL DOOR
RV	ROOF VENT
RVL	REVEAL
S	
SB	SPLASH BLOCK
SCHED	SCHEDULE
SD	SMOKE DETECTOR
SF	SQUARE FOOT (FEET)
SFTWD	SOFTWOOD
SGL	SINGLE
SHT MTL	SHEET METAL (FLASHING)
SHTHG	SHEATHING
SHV	SHELVING
SIM	SIMILAR
SJ	SCORED JOINT
SKLT	SKYLIGHT
SLNT	SEALANT
SMK	SMOKE
SMLS	SEAMLESS
SND	SANITARY NAPKIN DISPENSER
SPD	SOAP DISPENSER
SP EL	SPOT ELEVATION
SPEC	SPECIFICATION
SQ	SQUARE
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SS	SOLID SURFACE
SST	STAINLESS STEEL
ST	STAIRS
STD	STANDARD
STL JST	STEEL JOIST
STL RF DK	STEEL ROOF DECK
STOR	STORAGE
STR	STRINGERS
STRUCT	STRUCTURAL
STRB/HRN	STROBE/HORN
SUB FL	SUBFLOOR
SUSP	SUSPENDED
SV	SHEET VINYL
SW	SIDEWALK
T	
T	TREAD
T&B	TOP AND BOTTOM
TBD	TO BE DETERMINED
TD	TRENCH DRAIN
TEL	TELEPHONE
TEMP	TEMPORARY
TFF	TOP OF FINISH FLOOR
T&G	TONGUE AND GROOVE
THK	THICKNESS
TK BD	TACKBOARD
TMPD GL	TEMPERED GLASS
TN	TRUE NORTH
TO	TOP OF
TOF	TOP OF FOOTING
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOPO	TOPOGRAPHY
TOS	TOP OF SLAB
TP	TOILET PAPER DISPENSER
TRANS	TRANSPARENT
TRTD	TREATED
TV	TELEVISION
U	
UC	UNDERCUT
UNO	UNLESS OTHERWISE NOTED
V	
VB	VAPOR BARRIER
VFY	VERIFY
VIF	VERIFY IN FIELD
VERT	VERICAL
VCT	VINYL COMPOSITION TILE
VWC	VINYL WALL COVERING
W	
W/	WITH
W/O	WITHOUT
WBF	WATER BOTTLE FILLER
WC	WATER CLOSET
WD	WOOD
WR	WASTE RECEPTACLE
WWF	WELDED WIRE FABRIC

METAL STUD TYPICAL SEALANT/FIRESTOP at PARTITION SILL & HEAD DETAIL



INDEX OF DRAWINGS

NUMBERING SYSTEM:

01/A101

DISCIPLINE:
G - GENERAL
C - CIVIL
L - LANDSCAPE
S - STRUCTURAL
A - ARCHITECTURE
I - INTERIORS
Q - EQUIPMENT
F - FIRE PROTECTION
P - PLUMBING
M - MECHANICAL
E - ELECTRICAL
SHEET NUMBER

NUMBER OF PLAN, DETAIL, ETC. ON SHEET

LEGEND

ANNOTATION CALLOUTS/DRAWING SYMBOLS

INTERIOR ELEVATION — SHEET NUMBER WHERE SECTION/ DETAIL IS DRAWN

EXTERIOR ELEVATION — SHEET NUMBER WHERE SECTION/ DETAIL IS DRAWN

SECTION — SHEET NUMBER WHERE SECTION/ DETAIL IS DRAWN

PLAN, BLOW-UP DETAIL — SHEET NUMBER WHERE SECTION/ DETAIL IS DRAWN

100'-0" SPOT ELEVATION

Name Elevation — FLOOR LEVEL & NAME

Room name 101 A: 150 SF F1 - B1 - W1 — ROOM TAG, ROOM AREA, FINISH TAGS

01 — WINDOW TYPE

Wxx — WALL TYPE

00 — GRID / COLUMN LINE DESIGNATOR

Cx — CASEWORK TAG

1i — ACCESSORY TAG

F3 — SHEET KEYNOTE

101 — DOOR NUMBER TAG

REVISION TAG

SPECIFICATION

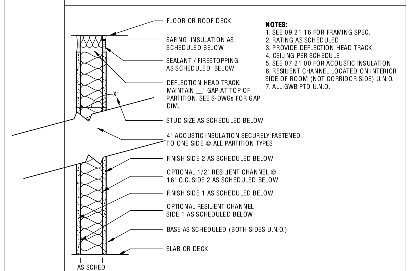
092116.A00 - xxxxxx — SPECIFICATION SECTION ITEM NUMBER; DESCRIPTION

PARTITION KEY

S1.4A — TYPE; MATERIAL; THICKNESS OF STRUCTURAL MEMBERS; ASSEMBLY

TYPE S1

TYPICAL TO DECK



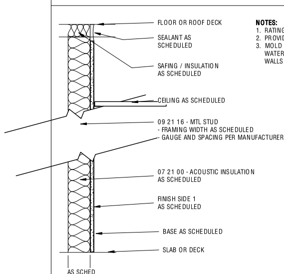
NOTES:
1. SEE 09 21 16 FOR FRAMING SPEC.
2. RATING AS SCHEDULED
3. PROVIDE DEFLECTION HEAD TRACK
4. CEILING PER SCHEDULE
5. SEE 07 21 00 FOR ACOUSTIC INSULATION
6. RESILIENT CHANNEL LOCATED ON INTERIOR SIDE OF ROOM (NOT CORRIDOR SIDE) U.N.O.
7. ALL GWB PTD U.N.O.

WALL SCHEDULE S1

Type	Struct Dim	Finish Side 1	Finish Side 2	Fire Rating	Safing	Comments	Type Mark	Sealant / Firestopping	STC
S1.4A To Deck	3 5/8" STUD	5/8" GYP	5/8" GYP		Yes		S1.4A	07 92 00	
S1.6A To Deck	6" STUD	5/8" GYP	5/8" GYP		Yes		S1.6A	07 92 00	
S1.6B To Deck - 2 Layers of GYP 1 Side	6" STUD	2 x 5/8" GYP	5/8" GYP		Yes		S1.6B	07 92 00	
S1.6F To Deck 1 Hour	6" STUD	5/8" GYP	5/8" GYP	1HR	Yes		S1.6F	07 84 00	

TYPE S4

CHASE - TO DECK



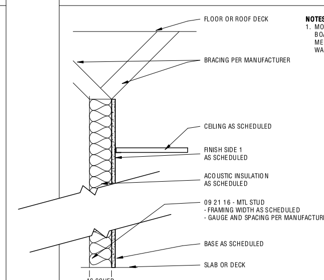
NOTES:
1. RATINGS AS SCHEDULED
2. PROVIDE DEFLECTION TRACK
3. MOLD RESISTANT CEMENT BOARD & WATERPROOFING MEMBRANE AT ALL TILE WALLS

WALL SCHEDULE S4

Type	Struct Dim	Finish Side 1	Finish Side 2	Fire Rating	Safing	Acoustic Insulation	Comments	Type Mark	Sealant / Firestopping	STC
S4.4A Chase to Deck	3 5/8" STUD	5/8" GYP			Yes			S4.4A	07 92 00	
S4.6A Chase to Deck	6" STUD	5/8" GYP			Yes			S4.6A	07 92 00	

TYPE S5

CHASE - NOT TO DECK



NOTES:
1. MOLD RESISTANT CEMENT BOARD & WATERPROOFING MEMBRANE AT ALL TILE WALLS

GENERAL PLAN NOTES

1. REFER TO ASBESTOS SURVEY FOR EXTENTS OF ABATEMENT AND REPLACEMENT FLOORING REQUIRED.
2. SEE ELEVATIONS AND WALL SECTIONS FOR TYPICAL EXTERIOR WALL FINISHES AND ASSEMBLIES
3. INSTALL UNDERSLAB VAPOR BARRIER: STEGO INDUSTRIES; "STEGO WRAP 15 MIL" AT ALL NEW SLAB PLUS PATCHING FOR LIFT/ AND PLUMBING/ UTILITIES
4. INSTALL 2" XPS HIGHLOAD 40 AND VAPOR BARRIER (NOTED ABOVE) UNDER ENTIRE SLAB OF STORAGE ROOM ADDITION
5. SEE STRUCT. FOR CONCRETE PATCHING SPECIFICATIONS
6. SEE PLUMBING FOR EXTENTS OF CONCRETE CORING AND TRENCHING REQUIRED FOR NEW WORK
7. BRICK AND MORTAR REPAIR SHALL MATCH APPEARANCE OF EXISTING ADJACENT MASONRY. SEE EXTERIOR ELEVATIONS
8. ALL HANDRAILS AND GUARDRAILS SHALL BE ANCHORED AND FRAMED TO PROVIDE CODE COMPLIANT VERTICAL AND LATERAL LOAD RESISTANCE
9. ALL EXTERIOR STEEL SHALL BE HOT DIP GALVANIZED
10. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED
11. PROVIDE WOOD BLOCKING FOR ALL ACCESSORIES AND WALL MOUNTED ITEMS
12. ALL BLOCKING SHALL BE FIRE TREATED WOOD
13. WINDOW SILLS SHALL BE SOLID SURFACE (CORIAN)
14. REFER TO CODE PLAN FOR EXTENT OF RATED ENCLOSURES AND FIRE/SMOKE PROOFING. REFERE TO DOOR SCHEDULE FOR DOOR SMOKE/ FIRE RATING REQUIREMENTS.
15. ALL NEW AND EXISTING RATED PARTITIONS SHALL EXTEND TO THE UNDERSIDE OF STRUCTURE ABOVE WITH FIRE/SMOKE AND/OR ACOUSTIC SEALANT AT EDGES AND PENETRATIONS UNLESS NOTED OTHERWISE. SEE CODE PLANS.
16. SMOKE STOP AND FIRE STOP PENETRATIONS OF ALL NEW AND EXISTING WALLS TO COMPLY WITH RATINGS REQUIRED OR NEW DESIGN LAYOUT. SEE CODE PLAN.
17. FIRESTOPPING: HILTI, INC. FIRE-RATED WALLS SHALL BE FIRE STOPPED AS REQUIRED FOR WALL TO DECK INTERSECTIONS AND PENETRATIONS IN ACCORDANCE WITH APPROVED UL DESIGNS.
18. ALL JOINT SEALANTS: TREMCO, INC
19. INSTALL LOW EXPANSION CLOSED CELL FOAM INSULATION AT WINDOW REPLACEMENTS
20. ASPHALT ROOF SHINGLES AT DETACHED PAVILION AND STAGE STORAGE ADDITION SHALL BE GAF TIMBERLINE HD OR APPROVED EQUAL, GRACE TRI-FLEX 15 SYNTHETIC UNDERLAYMENT OR APPROVED EQUAL, GRACE ICE & WATER SHIELD OR APPROVED EQUAL
21. CASEWORK
    A. TYPICAL NOTES FOR ALL CASEWORK:
        a. ALL COUNTERS WITH SINKS SHALL BE SOLID SURFACE (CORIAN)
        b. ALL CABINETS SHALL BE AWI CUSTOM GRADE
        c. ALL EXPOSED SURFACES OF CABINETS SHALL BE PLASTIC LAMINATE UNO
        d. ALL COUNTERS SHOWN SHALL HAVE CABINETS AND DRAWER BASE CABINETS UNDERNEATH
        e. ALL COUNTERS SHALL HAVE 36" HIGH X 12" DEEP WALL CABINETS ABOVE FOR THE FULL LENGTH OF THE COUNTER, EXCEPT 24" HIGH CABINETS DIRECTLY OVER SINKS.
        f. ALL DOORS AND DRAWERS SHALL HAVE A LOCK
        g. ALL HINGES: EUROPEAN CONCEALED TYPE
        h. CATCHES: MAGNETIC
        i. PULLS: "U" SHAPE, 4", WIRE
        j. ADJUSTABLE SHELF SUPPORTS AT 1" CENTERS FOR FULL HEIGHT OF ALL CABINETS
        k. ADA PULL UNDER CLEARANCE FOR ALL CABINET SINKS
        l. COUNTER HEIGHTS: 34" A.F.F.
22. TOILET ACCESSORIES:
    A. ALL ACCESSORIES TO BE STAINLESS STEEL
    B. SEE DRAWING A500 FOR SCHEDULE AND LEGENDS
23. WALL & CORNER GUARDS: STAINLESS STEEL BABCOCK-DAVIS, CONSTRUCTION SPECIALTIES, INPRO, OR EQUAL. INSTALL AT ALL OUTSIDE CORNERS IN CORRIDORS AND PASSAGEWAYS
24. TOILET PARTITIONS/ URINAL SCREENS: SCRANTON PRODUCTS; HINY HIDERS, SOLID PLASTIC 1" HDPE. FLOOR MOUNTED, OVERHEAD BRACED. WRAP HINGES. INSTALL NEW PARTITIONS IN ROOMS WITH ENLARGED FLOOR PLANS ON DRAWING A500
25. INTERIOR ADA SIGNAGE AT ALL NEW ROOMS (SEE PLANS): ADHESIVE WALLMOUNTED, SQUARE EDGES WITH RADIUSED CORNERS WITH ADA COMPLIANT LETTERING, FIGURES AND BRAIL IN CONTRASTING COLORS TO BACKGROUND: BY WELCH ARCHITECTURAL SIGNAGE, SOUSA SIGNS OR EQUAL
26. INSTALL CODE COMPLIANT SAFETY GLAZING ON EXISTING FIRE EXTINGUISHER CABINETS
27. WINDOW SHADES: MECHO SHADES: MANUAL DEVICES AT WITH BEADED CHAIN HEM BAR AND FASCIA: EXTERIOR WINDOWS, INTERIOR BORROWED LITES, CLASSROOM/OFFICE DOORS/GLAZING. 3% SCREEN AT EXTERIOR LOCATIONS AND OPAQUE AT INTERIOR LOCATIONS.
28. ELEVATOR: HYDRAULIC: THYSSEN KRUPP ENDURA TYPE, 3500 LBS CAPACITY WITH JACK AND PIT LADDER. 95 FPM UP AND 120 FPM DOWN MAX

GENERAL FINISH NOTES

1. EXISTING FINISHES TO REMAIN UNLESS
    A. OTHERWISE DESIGNATED ON ROOM TAGS
    B. OR NOTED OTHERWISE
2. ALL LOCKER ROOMS, TOILET ROOMS, JANITOR CLOSETS AND WET AREAS SHALL HAVE CERAMIC TILE ON ALL FOUR WALLS UP TO 7' AFF UNO.
3. SHOWER AREAS SHALL BE CERAMIC TILE WALLS FROM FLOOR TO CEILING
4. CERAMIC AND PORCELAIN TILE COLORS TO BE SELECTED BY OWNER UP THROUGH AND INCLUDING GROUP 3
5. CERAMIC TILE EDGES, BASE AND PORCELAIN THRESHOLDS/ REDUCER STRIPS SHALL BE ALUMINUM SCHLUTER TRIM PROFILES
6. ALL PORCELAIN TILE FLOORS AND CERAMIC TILE WALLS IN SHOWERS AND WET AREAS SHALL HAVE EPOXY GROUT
7. AT SHOWERS, INSTALL WATERPROOFING/ CLEAVEGE UNDERCOATING WITH TREMCO VULKEM 350 NF AND EPOXY PRIMER INSTALLED PER MANUFACTURER RECOMMENDATIONS
    - PAINT DESIGNATED INTERIOR WALL AND METAL SURFACES WITH TWO COATS OF SHERWIN WILLIAMS UNO
8. PAINT ALL EXISTING AND NEW EXPOSED STEEL AT STAIRS (INCLUDING HANDRAILS, GUARDRAILS, STRINGERS AND UNDERSIDE OF STAIRS) TO MATCH EXISTING. OWNER TO BE SELECTED BY OWNER.
9. PAINT ALL NEW AND MODIFIED HM DOOR FRAMES TO MATCH EXISTING.
10. INSTALL NEW B1 BASE AND PAINT AT ALL NEW WALLS UNO

GENERAL PARTITION NOTES

1. CONTRACTOR TO CONSTRUCT PARTITIONS, FLOOR/CEILING/ROOF ASSEMBLIES TO BE COMPLIANT WITH LISTED UL ASSEMBLIES. IF EQUIVALENT UL ASSEMBLY IS TO BE USED, SUBMIT TO ARCHITECT FOR APPROVAL.
2. AT ALL ROOMS SCHEDULED TO RECEIVE CERAMIC WALL TILE, USE GLASS MESH MORTAR BOARD (G.M.M.B.) IN LIEU OF GWB AT TILE.
3. INSTALL IMPACT RESISTANT WALL BOARD ON ALL CORRIDOR, STAIR AND LOBBY WALLS: NATIONAL GYPSUM COMPANY; GOLD BOND HI-IMPACT XP GYPSUM BOARD OR EQUAL
4. METAL FRAMING MATERIALS:
    A. NON-LOADBEARING FRAMING SYSTEM COMPONENTS: ASTM C645; GALVANIZED SHEET STEEL, OF SIZE AND PROPERTIES NECESSARY TO COMPLY WITH ASTM C754 FOR THE SPACING INDICATED, WITH MAXIMUM DEFLECTION OF WALL FRAMING OF L/120 AT 5 PSF.
        a. STUDS: "C" SHAPED WITH FLAT OR FORMED WEBS WITH KNURLED FACES. MINIMUM DESIGN THICKNESS OF
        b. 0.0312 INCHES (20 GAUGE) AT WWALLS AND/ OR BLOCKING FOR CABINETRY, CHANGING TABLES OR BATHROOM
        c. GRAB BARS.
        d. RUNNERS: U SHAPED, SIZED TO MATCH STUDS.
        e. CEILING CHANNELS: C-SHAPED.
        f. FURRING: HAT-SHAPED SECTIONS, MINIMUM DEPTH OF 7/8 INCH.
        g. RESILIENT FURRING CHANNELS: 1/2 INCH DEPTH, FOR ATTACHMENT TO SUBSTRATE THROUGH ONE LEG ONLY.
5. INSTALL CONTROL JOINTS: PLACE CONTROL JOINTS CONSISTENT WITH LINES OF BUILDING SPACES AND AS INDICATED. NOT MORE THAN 30 FEET APART ON WALLS AND CEILINGS OVER 50 FEET LONG.
6. AT MASONRY PARTITIONS, PROVIDE "05500 - PARTITION TOP CLIPS" OR "04200 - PARTITION TOP ANCHORS" TO BRACE WALL TO FLOOR DECK OR STRUCTURE (DO NOT ATTACH TO METAL ROOF DECK, BRACE DIRECT TO STRUCTURE).
7. ACOUSTICAL CONSTRUCTION: SEAL ALL CRACKS, JOINTS, AND VOIDS IN ACOUSTICAL CONSTRUCTION AIR TIGHT. SEALING SHALL INCLUDE:
    A. SEALING BOTTOM EDGES OF GYPSUM BOARD TO FLOOR BEHIND BASE AT BOTH SIDES OF PARTITIONS.
    B. SEALING TOP AND SIDE EDGES OF GYPSUM BOARD AT BOTH SIDES OF WALLS ABUTTING OTHER CONSTRUCTION.
    C. SEALING TOP OF WALL TO DECK FLUTES.
    D. SEALING ALL WALL PENETRATIONS INCLUDING ELECTRICAL BOXES, PIPES, CONDUITS, DUCTS, BEAMS, JOISTS, ETC.
8. AT PARTITION INFILL LOCATIONS, INFILL TO MATCH ADJACENT MATERIALS AND FIRE RESISTANCE RATING.

banwell ARCHITECTS

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CONSULTANTS / DESIGN TEAM:

OWNER:
TWO RIVERS SUPERVISORY UNION
609 VT ROUTE 103
LUDLOW, VT 05149

CONSTRUCTION MANAGER:
ENERGY EFFICIENT INVESTMENTS
19 STAR DRIVE
MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
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T: (603) 448-3778

MEP/FP:

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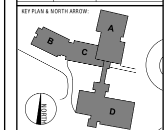
PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
GENERAL NOTES, ABBREVIATIONS, ANNOTATIONS LEGENDS, & WALL TYPES

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
A001

GENERAL PLAN NOTES:

- SEE SHEET A001 FOR ADDITIONAL GENERAL PLAN NOTES
- ALL DIMENSIONS ARE TO FACE OF STUD OR FACE OF MASONRY, U.O.N. OPENINGS IN WALLS WITH OUT FRAMES ARE TO FACE OF STUD OR MASONRY, U.O.N. DIMENSIONS AT EXISTING WALLS ARE TO EXISTING FINISH FACE, U.O.N.
- ALL ANGLED WALLS ARE 45°, U.O.N.
- REFER TO CODE PLAN FOR EXTENT OF RATED ENCLOSURES AND FIRE/SMOKEPROOFING.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS IS TO BE PROMPTLY COMMUNICATED TO ARCHITECT FOR CLARIFICATION.
- ALL RATED ASSEMBLIES ARE TO BE CONSTRUCTED PER REFERENCED UL LISTINGS

PLAN KEYNOTES:

A. REPLACE ELEVATOR AND CONTROLS.
B. ADD PAINTED STEEL HANDRAILS TO EXISTING RAMPS - BOTH SIDES.
C. ADD 6x6 REINFORCED & FROST PROTECTED CONCRETE SLAB AT DOOR.
D. ADD PLATFORM LIFT TO ACCESS STAGE LEVEL. 3' ELEVATION CHANGE. DEMO WALL AND FOUNDATION AS REQUIRED.

PLAN LEGEND:

- KEYNOTE, SEE PLAN KEYNOTE CODES ABOVE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN
- NEW DOOR AND FRAME
- EXISTING DOOR TO REMAIN

FINISHES LEGEND:

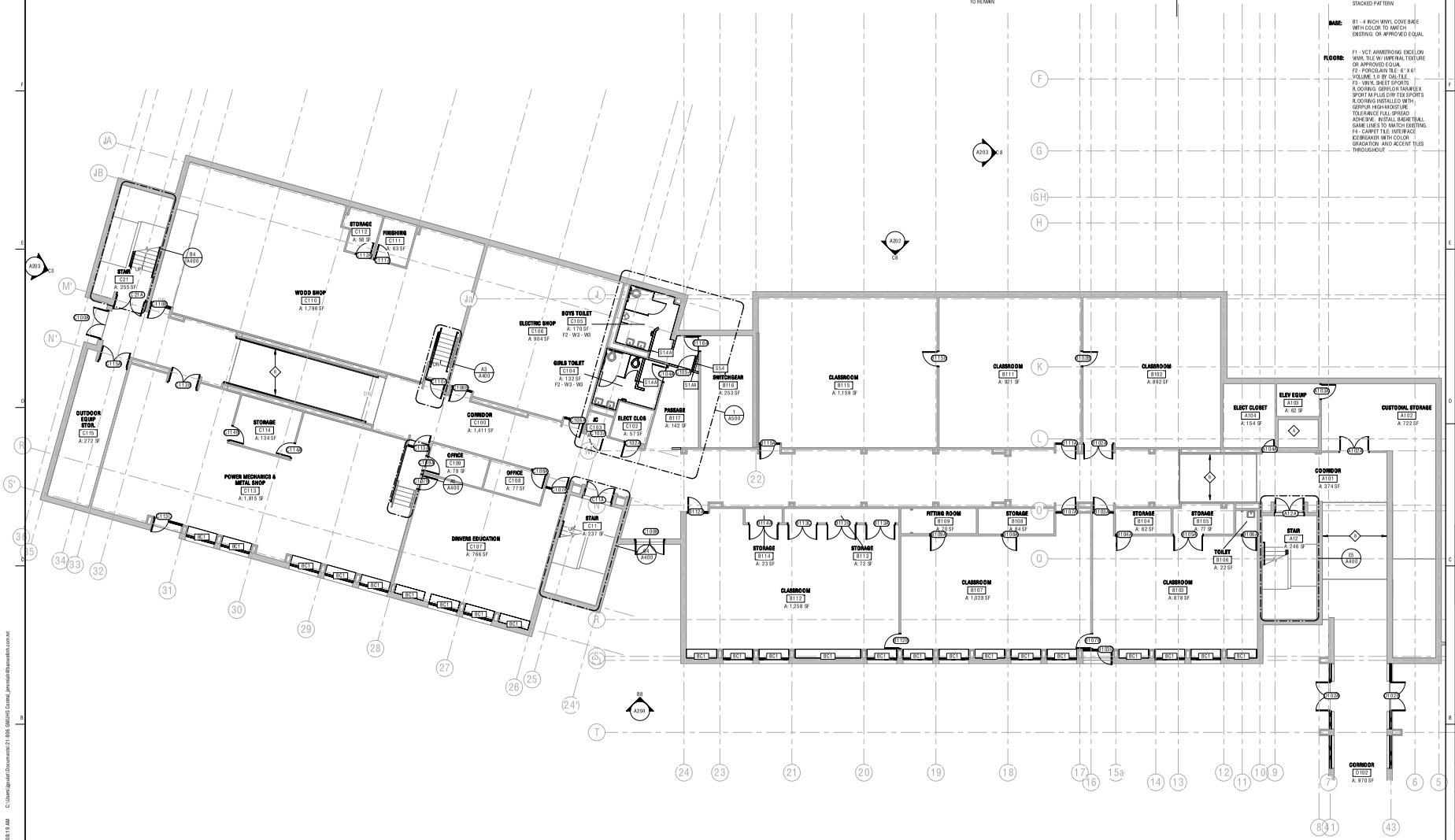
GENERAL FINISH NOTES:

- SEE SHEET A001 FOR GENERAL FINISH NOTES

WALLS: W1 - PAINT
W2 - PAINT: MOISTURE RESISTANT
W3 - CERAMIC TILE: RELD 3" X 6" RITTENHOUSE SQUARE TILE BY DAL TILE WITH CUSHIONED EDGES AND STACKED PATTERN
ACCENT BAND: 2" X 2" X 1" HIGH KEYSTONE MOSAICS BY DAL-TILE WITH CUSHIONED DEGES AND STACKED PATTERN

BASE: B1 - 4 INCH VINYL COVE BASE WITH COLOR TO MATCH EXISTING; OR APPROVED EQUAL

FLOORS: F1 - VCT ARMSTRONG EXCELON VINYL TILE W/ IMPERIAL TEXTURE OR APPROVED EQUAL
F2 - PORCELAIN TILE: 6" X 6" VOLUME 1.0 BY DAL TILE
F3 - VINYL SHEET SPORTS FLOORING: GERFLOR TARAFLEX SPORT M PLUS DWTEX SPORTS FLOORING INSTALLED WITH GERFLOR HIGH-MOISTURE TOLERANCE FULL-SPREAD ADHESIVE. INSTALL BASKETBALL GAME LINES TO MATCH EXISTING.
F4 - CARPET TILE: INTERFACE ICEBREAKER WITH COLOR GRADATION AND ACCENT TILES THROUGHOUT



A8 LEVEL 1 - FLOOR PLAN - B & C
Scale: 1/8" = 1'-0"

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CONSULTANTS / DESIGN TEAM:

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MEP/FP:

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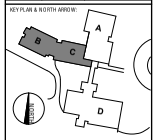
PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEYPLAN & NORTH ARROW:



PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 1 AREA B & C

PROJECT NO: 21-806 | DATE: 12-3-2021

SHEET NUMBER:
A111BC

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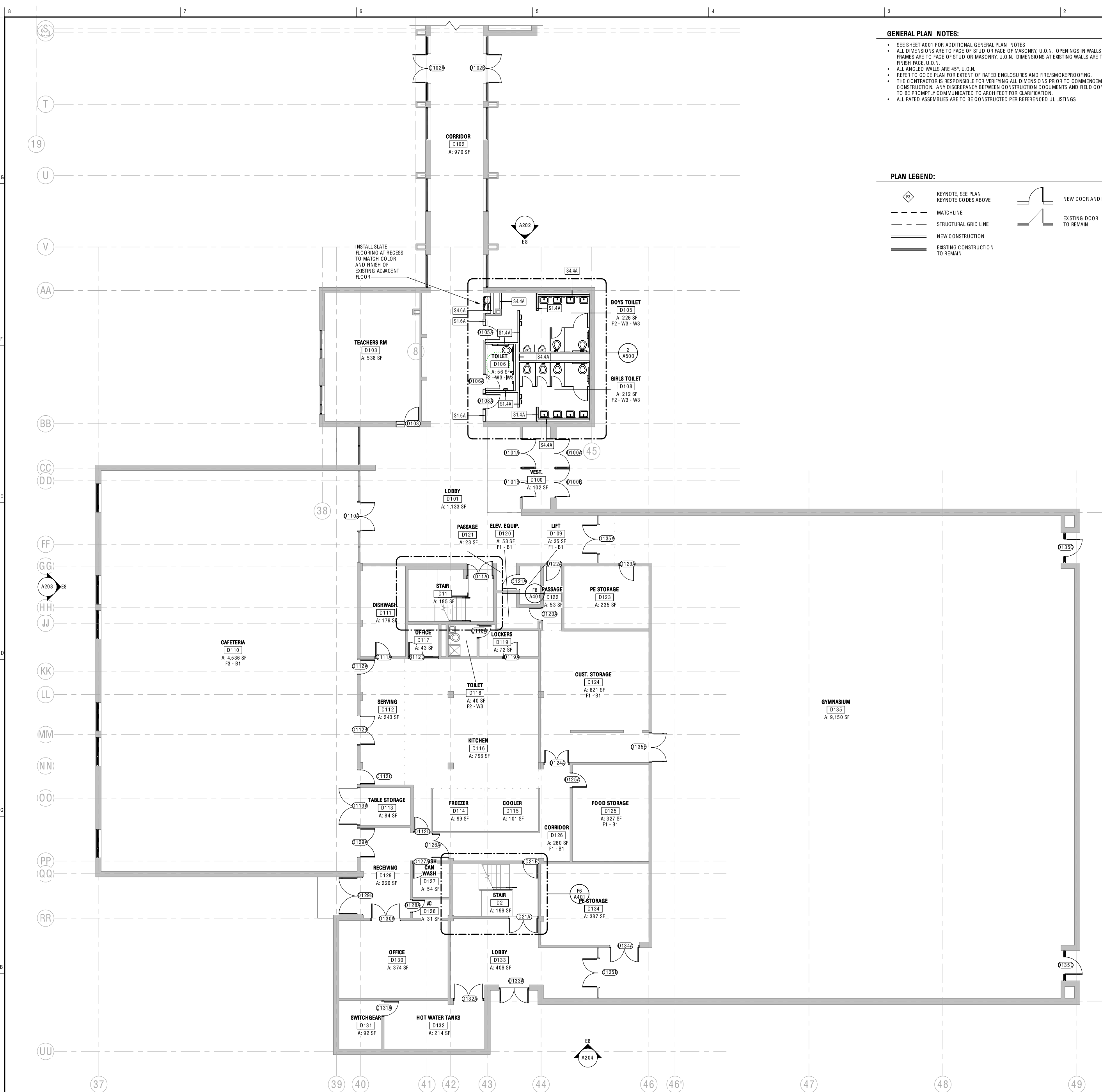

A8 LEVEL 1 - FLOOR PLAN - D
Scale: 1/8" = 1'-0"

GENERAL PLAN NOTES:

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D. ADD PLATFORM LIFT TO ACCESS STAGE LEVEL. 3' ELEVATION CHANGE. DEMO WALL AND FOUNDATION AS REQUIRED.

PLAN LEGEND:

- F3 — KEYNOTE, SEE PLAN KEYNOTE CODES ABOVE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN
- NEW DOOR AND FRAME
- EXISTING DOOR TO REMAIN

FINISHES LEGEND:

GENERAL FINISH NOTES:

- SEE SHEET A001 FOR GENERAL FINISH NOTES

WALLS:
W1 - PAINT
W2 - PAINT: MOISTURE RESISTANT
W3 - CERAMIC TILE:
FIELD: 3" X 6" RITTENHOUSE SQUARE TILE BY DAL-TILE WITH CUSHIONED EDGES AND STACKED PATTERN
ACCENT BAND: 2" X 2" X 1 ' HIGH KEYSTONE MOSAICS BY DAL-TILE WITH CUSHIONED DEGES AND STACKED PATTERN

BASE:
B1 - 4 INCH VINYL COVE BASE WITH COLOR TO MATCH EXISTING: OR APPROVED EQUAL

FLOORS:
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PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

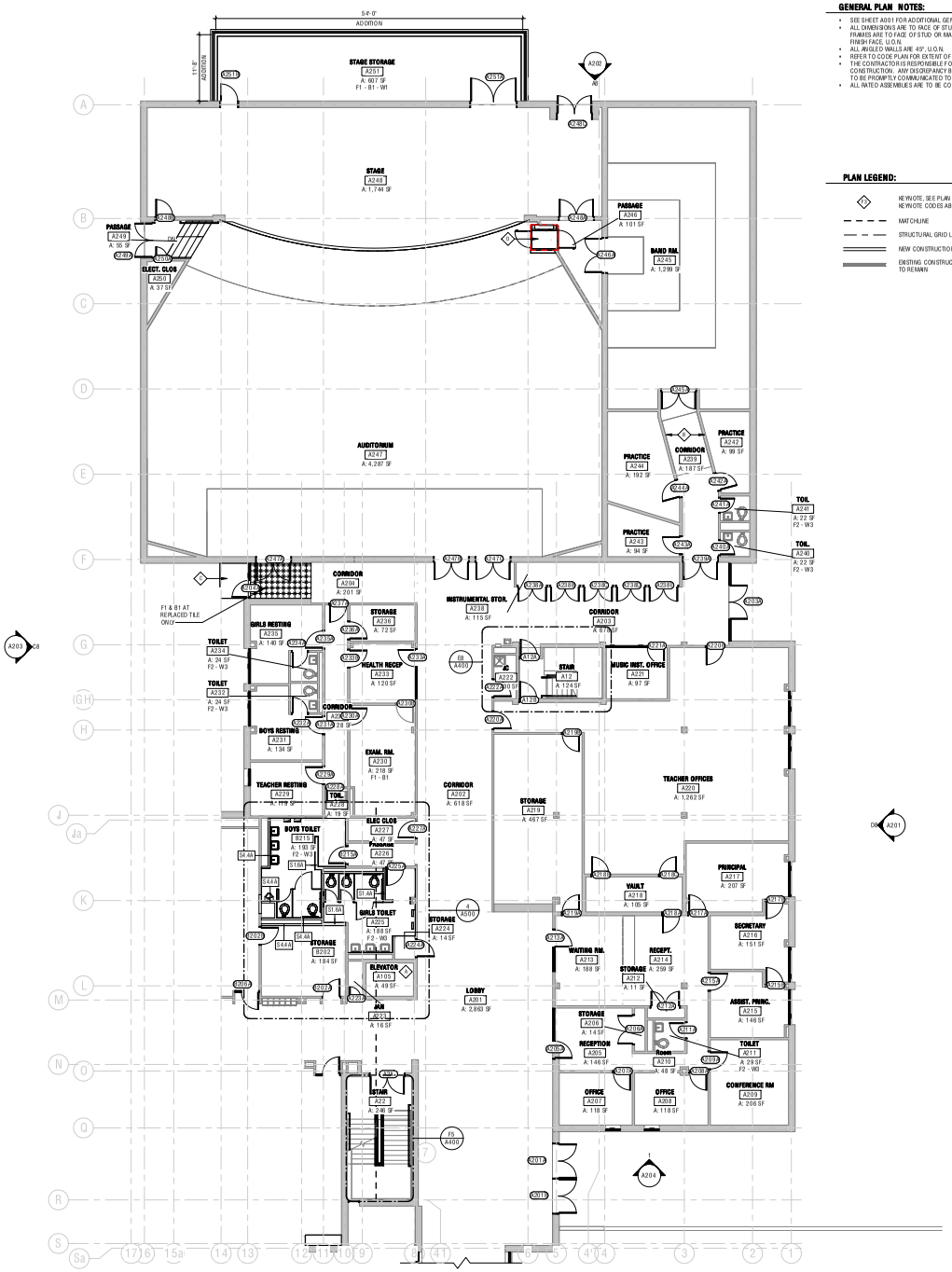
PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 1 AREA D

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
A111D



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PLAN LEGEND:

- KEYNOTE, SEE PLAN
- KEYNOTE CODES ABOVE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN
- NEW DOOR AND FRAME
- EXISTING DOOR TO REMAIN

FINISHES LEGEND:

GENERAL FINISH NOTES:

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WALLS: W1 - PAINT
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BASE: B1 - 4 INCH VINYL COVE BASE WITH COLOR TO MATCH EXISTING. OR APPROVED EQUAL

FLOORS: F1 - VCT: ARMSTRONG EXCELON VINYL TILE W/ IMPERIAL TEXTURE OR APPROVED EQUAL
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F4 - CARPET TILE: INTERFACE ICEBREAKER WITH COLOR GRADATION AND ACCENT TILES THROUGHOUT

A8 LEVEL 2 - FLOOR PLAN - A
Scale: 1/8" = 1'-0"

banwell ARCHITECTS
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CONSULTANTS / DESIGN TEAM

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PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 2 AREA A

PROJECT NO.: 21-806 | DATE: 12-3-2021

SHEET NUMBER:
A112A

GENERAL PLAN NOTES:

- SEE SHEET A001 FOR ADDITIONAL GENERAL PLAN NOTES
- ALL DIMENSIONS ARE TO FACE OF STUD OR FACE OF MASONRY, U.O.N. OPENINGS IN WALLS WITHOUT FRAMES ARE TO FACE OF STUD OR MASONRY, U.O.N. DIMENSIONS AT EXISTING WALLS ARE TO EXISTING FINISH FACE, U.O.N.
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PLAN LEGEND:

- (F3) KEYNOTE, SEE PLAN KEYNOTE CODES ABOVE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN
- NEW DOOR AND FRAME
- EXISTING DOOR TO REMAIN

FINISHES LEGEND:

GENERAL FINISH NOTES:

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WALLS:
W1 - PAINT
W2 - PAINT: MOISTURE RESISTANT
W3 - CERAMIC TILE:
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F4 - CARPET TILE: INTERFACE ICEBREAKER WITH COLOR GRADATION AND ACCENT TILES THROUGHOUT

A8 LEVEL 2 - FLOOR PLAN - B & C
Scale: 1/8" = 1'-0"

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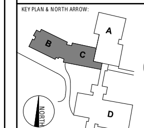

PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 2 AREA B & C

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
A112BC

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GENERAL PLAN NOTES:

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PLAN KEYNOTES:

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D. ADD PLATFORM LIFT TO ACCESS STAGE LEVEL. 3' ELEVATION CHANGE. DEMO WALL AND FOUNDATION AS REQUIRED.

PLAN LEGEND:

- F3 — KEYNOTE, SEE PLAN KEYNOTE CODES ABOVE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN
- NEW DOOR AND FRAME
- EXISTING DOOR TO REMAIN

FINISHES LEGEND:

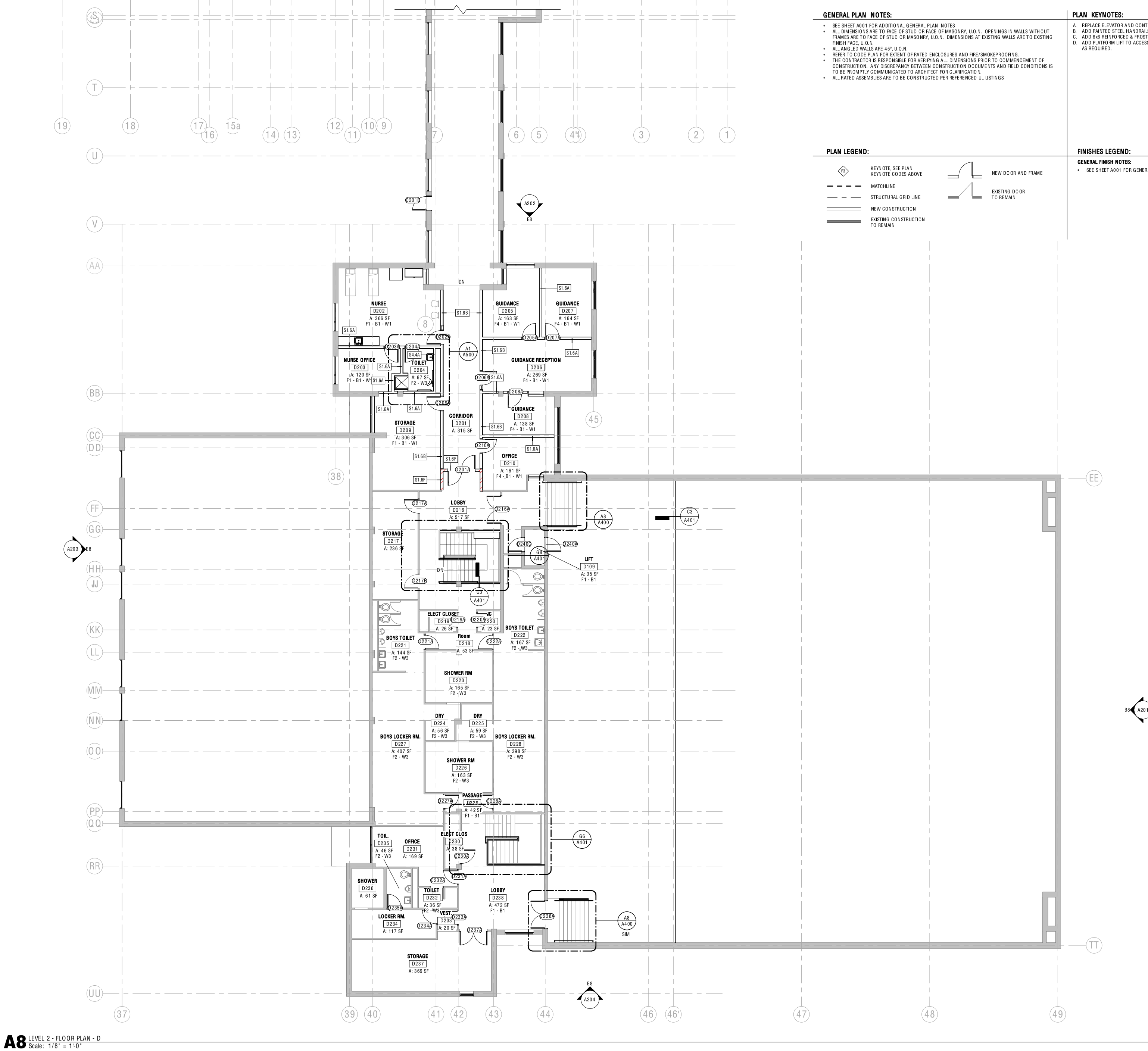
GENERAL FINISH NOTES:

- SEE SHEET A001 FOR GENERAL FINISH NOTES

WALLS:
W1 - PAINT
W2 - PAINT: MOISTURE RESISTANT
W3 - CERAMIC TILE:
FIELD: 3" X 6" RITTENHOUSE SQUARE TILE BY DAL-TILE WITH CUSHIONED EDGES AND STACKED PATTERN
ACCENT BAND: 2" X 2" X 1 ' HIGH KEYSTONE MOSAICS BY DAL-TILE WITH CUSHIONED DEGES AND STACKED PATTERN

BASE:
B1 - 4 INCH VINYL COVE BASE WITH COLOR TO MATCH EXISTING: OR APPROVED EQUAL

FLOORS:
F1 - VCT: ARMSTRONG EXCELON VINYL TILE W/ IMPERIAL TEXTURE OR APPROVED EQUAL
F2 - PORCELAIN TILE: 6" X 6" VOLUME 1.0 BY DAL-TILE
F3 - VINYL SHEET SPORTS FLOORING: GERFLOR TARAFLEX SPORT M PLUS DRY-TEX SPORTS FLOORING INSTALLED WITH GERPUR HIGH-MOISTURE TOLERANCE FULL-SPREAD ADHESIVE. INSTALL BASKETBALL GAME LINES TO MATCH EXISTING.
F4 - CARPET TILE: INTERFACE ICEBREAKER WITH COLOR GRADATION AND ACCENT TILES THROUGHOUT



A8 LEVEL 2 - FLOOR PLAN - D
Scale: 1/8" = 1'-0"

banwell ARCHITECTS
THE CARRIAGE HOUSE
6 SOUTH PARK STREET
LEBANON, NH 03766
T: 603 448 3778

CONSULTANTS / DESIGN TEAM:

OWNER:
TWO RIVERS SUPERVISORY UNION
609 VT ROUTE 103
LUDLOW, VT 05149

CONSTRUCTION MANAGER:
ENERGY EFFICIENT INVESTMENTS
19 STAR DRIVE
MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
BANWELL ARCHITECTS, NH
6 SOUTH PARK STREET
LEBANON, NH 03766
T: (603) 448-3778

MEP/FP:

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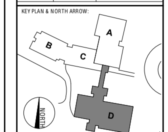
PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 2 AREA D

PROJECT NO: 21-806 | DATE: 12-3-2021

SHEET NUMBER:
A112D

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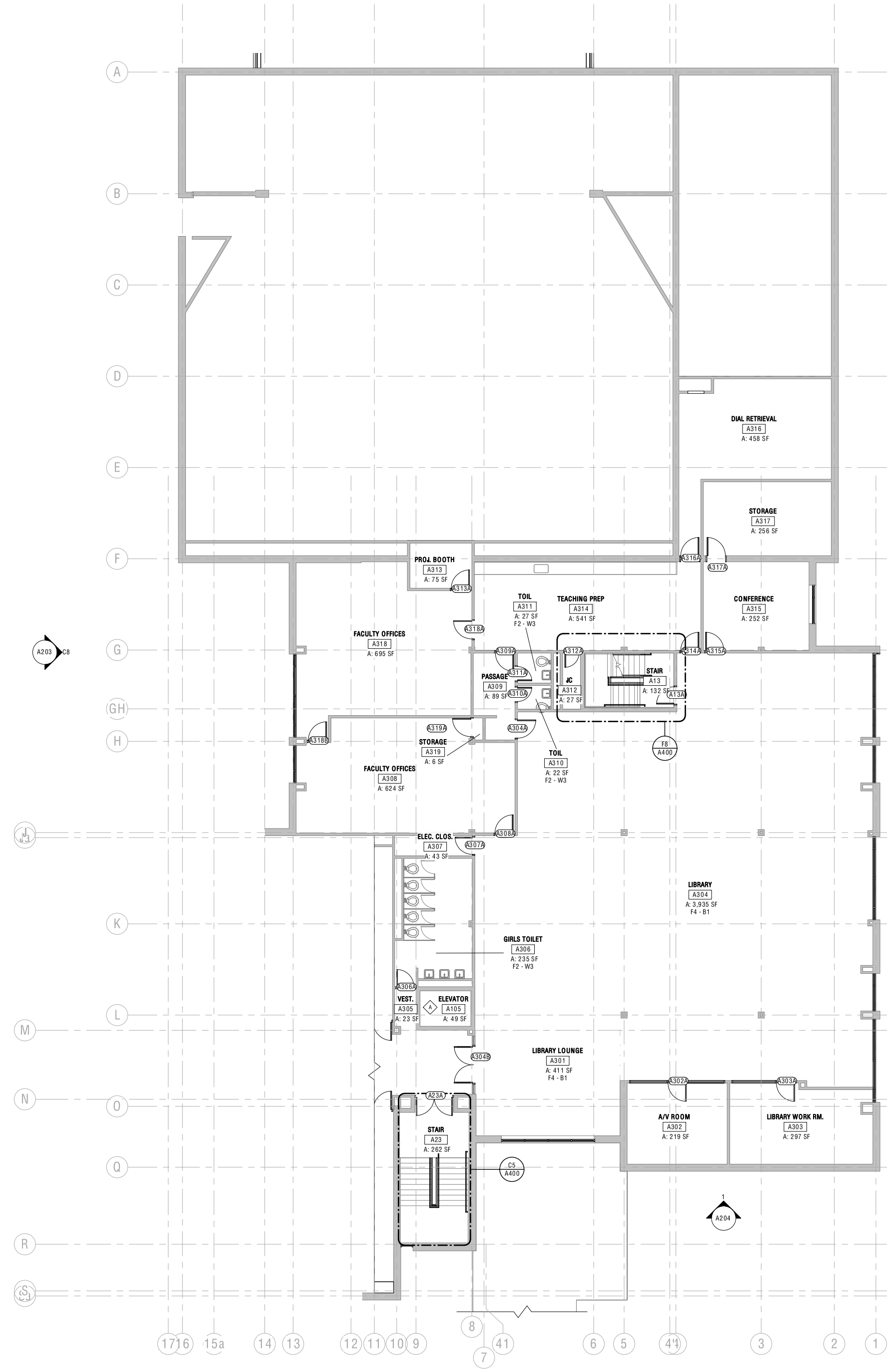

A8 LEVEL 3 - FLOOR PLAN - A
Scale: 1/8" = 1'-0"

GENERAL PLAN NOTES:

- SEE SHEET A001 FOR ADDITIONAL GENERAL PLAN NOTES
- ALL DIMENSIONS ARE TO FACE OF STUD OR FACE OF MASONRY, U.O.N. OPENINGS IN WALLS WITHOUT FRAMES ARE TO FACE OF STUD OR MASONRY, U.O.N. DIMENSIONS AT EXISTING WALLS ARE TO EXISTING FINISH FACE, U.O.N.
- ALL ANGLED WALLS ARE 45°, U.O.N.
- REFER TO CODE PLAN FOR EXTENT OF RATED ENCLOSURES AND FIRE/SMOKEPROOFING.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS IS TO BE PROMPTLY COMMUNICATED TO ARCHITECT FOR CLARIFICATION.
- ALL RATED ASSEMBLIES ARE TO BE CONSTRUCTED PER REFERENCED UL LISTINGS

PLAN KEYNOTES:

A. REPLACE ELEVATOR AND CONTROLS.
B. ADD PAINTED STEEL HANDRAILS TO EXISTING RAMPS - BOTH SIDES.
C. ADD 6x6 REINFORCED & FROST PROTECTED CONCRETE SLAB AT DOOR.
D. ADD PLATFORM LIFT TO ACCESS STAGE LEVEL. 3' ELEVATION CHANGE. DEMO WALL AND FOUNDATION AS REQUIRED.

PLAN LEGEND:

- KEYNOTE, SEE PLAN KEYNOTE CODES ABOVE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN
- NEW DOOR AND FRAME
- EXISTING DOOR TO REMAIN

FINISHES LEGEND:

GENERAL FINISH NOTES:

- SEE SHEET A001 FOR GENERAL FINISH NOTES

WALLS:
W1 - PAINT
W2 - PAINT: MOISTURE RESISTANT
W3 - CERAMIC TILE:
FIELD: 3" X 6" RITTENHOUSE SQUARE TILE BY DAL-TILE WITH CUSHIONED EDGES AND STACKED PATTERN
ACCENT BAND: 2" X 2" X 1 ' HIGH KEYSTONE MOSAICS BY DAL-TILE WITH CUSHIONED DEGES AND STACKED PATTERN

BASE:
B1 - 4 INCH VINYL COVE BASE WITH COLOR TO MATCH EXISTING: OR APPROVED EQUAL

FLOORS:
F1 - VCT: ARMSTRONG EXCELON VINYL TILE W/ IMPERIAL TEXTURE OR APPROVED EQUAL
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F4 - CARPET TILE: INTERFACE ICEBREAKER WITH COLOR GRADATION AND ACCENT TILES THROUGHOUT

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LEBANON, NH 03766
T: 603 448 3778

CONSULTANTS / DESIGN TEAM:

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LUDLOW, VT 05149

CONSTRUCTION MANAGER:
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MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
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T: (603) 448-3778

MEP/FP:

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PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 3 AREA A

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
A113A

GENERAL PLAN NOTES:

- SEE SHEET A001 FOR ADDITIONAL GENERAL PLAN NOTES
- ALL DIMENSIONS ARE TO FACE OF STUD OR FACE OF MASONRY, U.O.N. OPENINGS IN WALLS WITHOUT FRAMES ARE TO FACE OF STUD OR MASONRY, U.O.N. DIMENSIONS AT EXISTING WALLS ARE TO EXISTING FINISH FACE, U.O.N.
- ALL ANGLED WALLS ARE 45°, U.O.N.
- REFER TO CODE PLAN FOR EXTENT OF RATED ENCLOSURES AND FIRE/SMOKEPROOFING.
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- ALL RATED ASSEMBLIES ARE TO BE CONSTRUCTED PER REFERENCED UL LISTINGS

PLAN KEYNOTES:

A. REPLACE ELEVATOR AND CONTROLS.
B. ADD PAINTED STEEL HANDRAILS TO EXISTING RAMPS - BOTH SIDES.
C. ADD 6x6 REINFORCED & FROST PROTECTED CONCRETE SLAB AT DOOR.
D. ADD PLATFORM LIFT TO ACCESS STAGE LEVEL. 3' ELEVATION CHANGE. DEMO WALL AND FOUNDATION AS REQUIRED.

PLAN LEGEND:

- F3 — KEYNOTE, SEE PLAN KEYNOTE CODES ABOVE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN
- NEW DOOR AND FRAME
- EXISTING DOOR TO REMAIN

FINISHES LEGEND:

GENERAL FINISH NOTES:

- SEE SHEET A001 FOR GENERAL FINISH NOTES

WALLS:
W1 - PAINT
W2 - PAINT: MOISTURE RESISTANT
W3 - CERAMIC TILE:
FIELD: 3" X 6" RITTENHOUSE SQUARE TILE BY DAL-TILE WITH CUSHIONED EDGES AND STACKED PATTERN
ACCENT BAND: 2" X 2" X 1 ' HIGH KEYSTONE MOSAICS BY DAL-TILE WITH CUSHIONED DEGES AND STACKED PATTERN

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F4 - CARPET TILE: INTERFACE ICEBREAKER WITH COLOR GRADATION AND ACCENT TILES THROUGHOUT

A8 LEVEL 3 - FLOOR PLAN - B & C
Scale: 1/8" = 1'-0"

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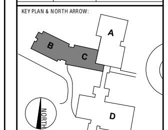
REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 3 AREA B & C

PROJECT NO.: 21-806 DATE: 12-3-2021

SHEET NUMBER:
A113BC

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GENERAL RC PLAN NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS IS TO BE PROMPTLY COMMUNICATED TO ARCHITECT FOR CLARIFICATION.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CEILING CONDITIONS TO CONFIRM SCOPE OF WORK FOR INDIVIDUAL CEILING MATERIALS.
3. REFER TO ELECTRICAL DWGS FOR FIXTURE TYPE, FIXTURE SIZE, MOUNTING, AND FIXTURES NOT SHOWN IN THIS DRAWING.
4. REFER TO MECHANICAL DWGS FOR DUCT AND REGISTER SIZE, AND ITEMS NOT SHOWN IN THIS DRAWING.
5. ALL RATED ASSEMBLIES ARE TO BE CONSTRUCTED PER REFERENCED UL LISTINGS
6. ALL ACOUSTIC TILE TO BE ARMSTRONG ULTIMA TEGULAR UNO.

RC PLAN KEYNOTES:

- RC1 EXPOSED STRUCTURE
- RC2 EXPOSED STRUCTURE, PTD.
- RC3 EXISTING CEILING TO REMAIN
- RC4 ACT SOFFIT RETURN, SEE DETAIL ------

RC PLAN LEGEND:

- F3 KEYNOTE, SEE RC PLAN KEYNOTE CODES ABOVE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN

CEILING TAG*

1i — CEILING TYPE DESIGNATION, SEE RC PLAN FINISH LEGEND

1' - 0" A.F.F. — CEILING HEIGHT, FROM FINISHED FLOOR

*UNLABELED SPACES ARE EXISTING OR EXPOSED STRUCTURE, SEE DEMOLITION DWGS.

RC PLAN FINISHES LEGEND:

GENERAL FINISH NOTES:

- EXISTING FINISHES TO REMAIN UNLESS OTHERWISE DESIGNATED ON ROOM TAGS OR OTHER NOTES

WALLS/BASE/FLOORS: (SEE FLOOR PLANS)

CEILINGS:

C0 - EXISTING TO REMAIN

C1 - TYPICAL ACT 2 X 2 UNO ULTIMA TEGULAR 1911 BY ARMSTRONG

C2 - TYPICAL ACT 2 X 4 UNO: SCHOOL ZONE 1714 FINE FISSURED SQUARE LAY IN BY ARMSTRONG

C3 - ACT 2 X 4 STORAGE AND UTILITY SPACES: TEXTURED, SQUARE LAY IN 944 BY ARMSTRONG

C4 - AUDITORIUM: ACT 2 X 2 TECTUM DESIGNART TEGULAR RINGS 1713 - TWILIGHT BY ARMSTRONG

C5 - MUSIC , PRACTICE AND BAND ROOMS: ACT 2 X4: 50/50 MIX OF MESA 686 AND CERAMAGUARD 608 BY ARMSTRONG

C6 - TOILETS, NURSE AND KITCHEN (AND FOOD PREP ASSOCIATED SPACES): ACT 2X4 ULTIMA HEALTH ZONE SQUARE LAY IN 1938 BY ARMSTRONG

C7 - LOCKER ROOMS, SHOWERS AND ASSOCIATED TOILETS: ACT 2 X 4 CERAMAGUARD 605 BY ARMSTRONG

C8 - SUSPENDED GWB CEILING

ACOUSTIC TILE GRID SYSTEM

- TYPICAL UNO: PRELUDE XL 15/16" BY ARMSTRONG
- AUDITORIUM GRID: PRELUDE XL 15/16" WITH COLOR TO MATCH AUDITORIUM TILE :BY ARMSTRONG

RC PLAN FIXTURE LEGEND:

TROFFER AND RECESSED LIGHT FIXTURES

- TROFFER LIGHT FIXTURE (24" X 24" SHOWN)
- RECESSED CAN FIXTURE
- DIRECTIONAL RECESSED CAN FIXTURE

SURFACE MOUNTED LIGHT FIXTURES

- LINEAR SURFACE MOUNTED FIXTURE
- ROUND SURFACE MOUNTED FIXTURE
- LINEAR UTILITY SURFACE MOUNTED FIXTURE

PENDANT LIGHT FIXTURES

- TRACK LIGHTING
- SMALL PENDANT FIXTURE
- LARGE ROUND PENDANT FIXTURE
- LINEAR PENDANT FIXTURE

WALL MOUNTED LIGHT FIXTURES

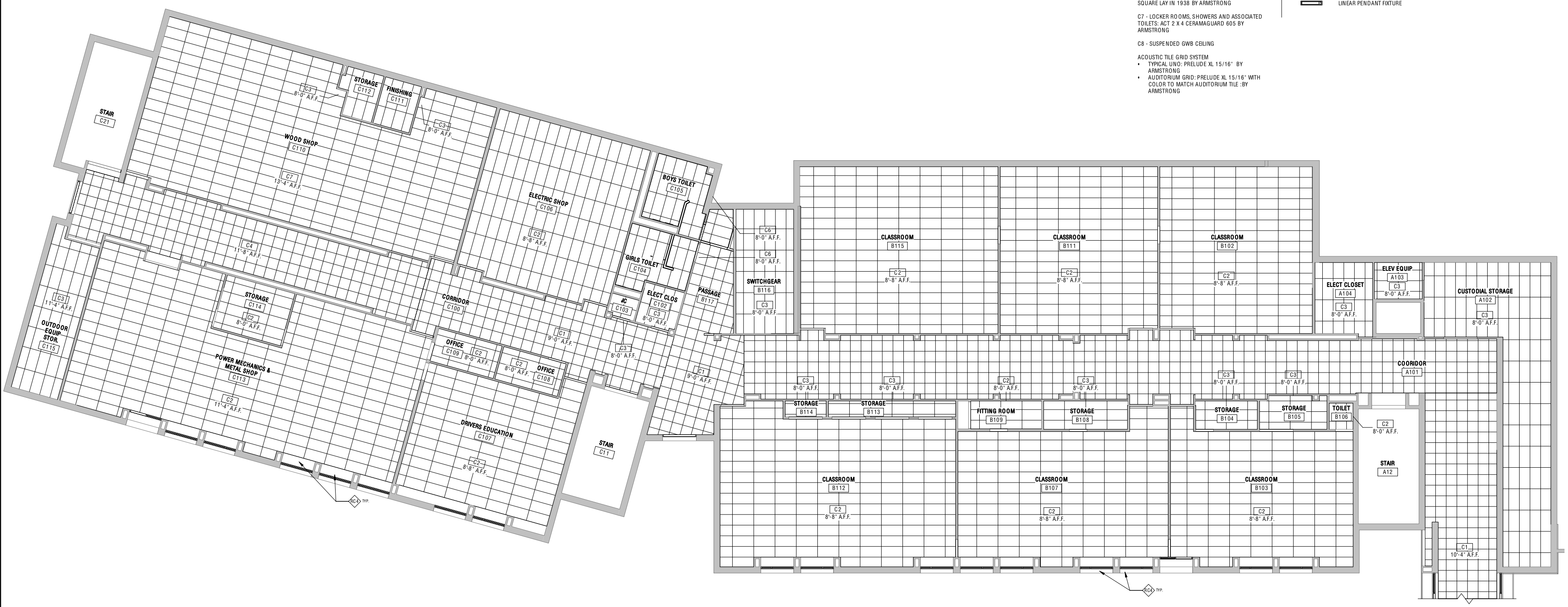
- LINEAR WALL FIXTURE
- WALL SCONCE FIXTURE
- EMERGENCY LIGHT FIXTURE

MECHANICAL REGISTERS AND GRILLES

- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE or RECESSED EXHAUST FAN

MISCELLANEOUS FIXTURES

- CEILING FAN
- EXIT SIGN



A8 LEVEL 1 - CEILING PLAN - B & C
Scale: 1/8" = 1'-0"

banwell ARCHITECTS

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LEBANON, NH 03766
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CONSULTANTS / DESIGN TEAM:

OWNER:
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609 VT ROUTE 103
LUDLOW, VT 05149

CONSTRUCTION MANAGER:
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19 STAR DRIVE
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MEP/FP:

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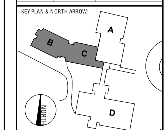
PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



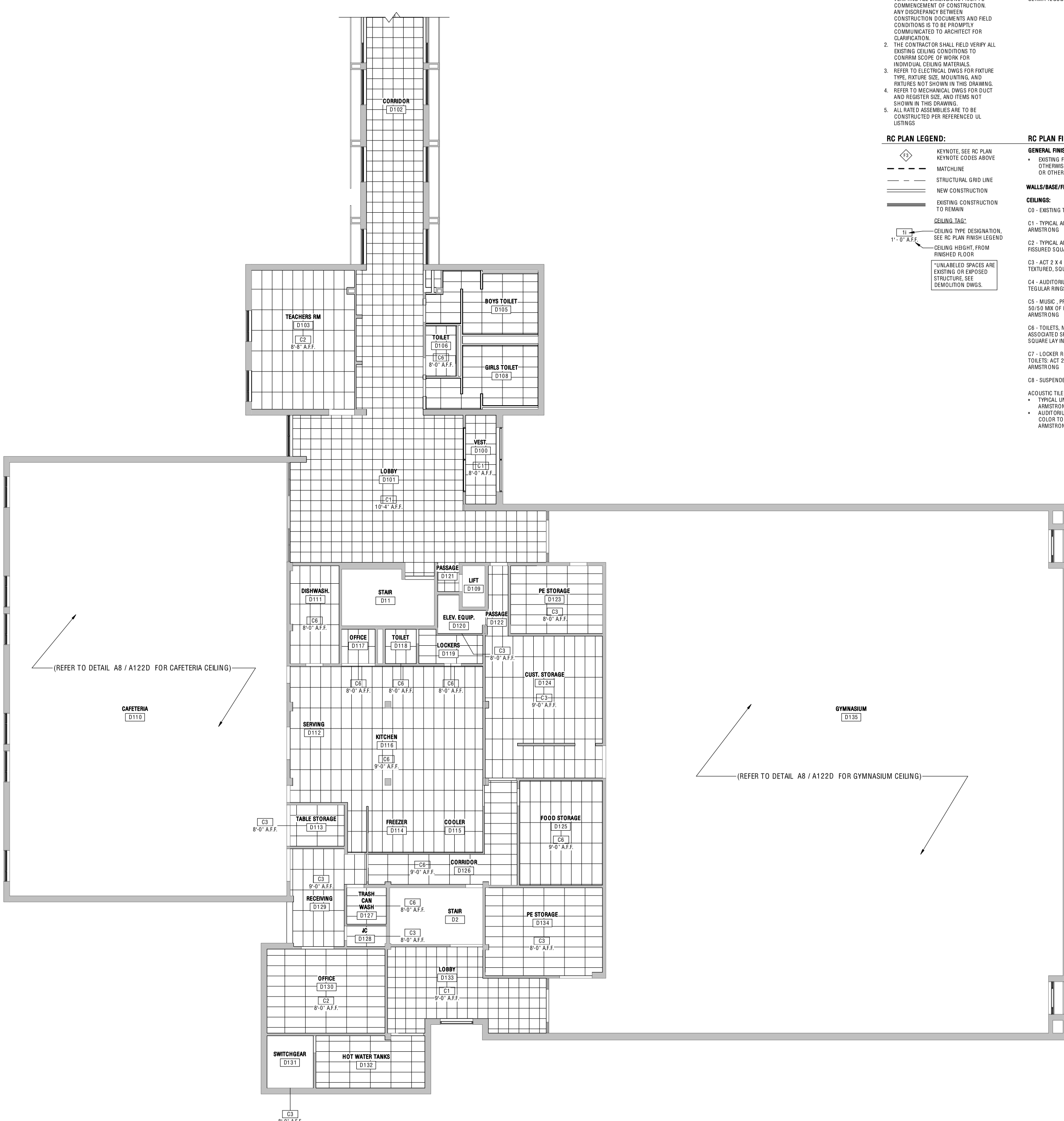
PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 1 AREA B & C Reflected Clg

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
A121BC



GENERAL RC PLAN NOTES:

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3. REFER TO ELECTRICAL DWGS FOR FIXTURE TYPE, FIXTURE SIZE, MOUNTING, AND FIXTURES NOT SHOWN IN THIS DRAWING.
4. REFER TO MECHANICAL DWGS FOR DUCT AND REGISTER SIZE, AND ITEMS NOT SHOWN IN THIS DRAWING.
5. ALL RATED ASSEMBLIES ARE TO BE CONSTRUCTED PER REFERENCED UL LISTINGS
6. ALL ACOUSTIC TILE TO BE ARMSTRONG ULTIMA TEGULAR UNO.

RC PLAN KEYNOTES:

- RC1 EXPOSED STRUCTURE
- RC2 EXPOSED STRUCTURE, PTD.
- RC3 EXISTING CEILING TO REMAIN
- RC4 ACT SOFFIT RETURN, SEE DETAIL ------

RC PLAN LEGEND:

- F3 KEYNOTE, SEE RC PLAN KEYNOTE CODES ABOVE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN

CEILING TAG*

1i — CEILING TYPE DESIGNATION, SEE RC PLAN FINISH LEGEND

1' - 0" A.F.F. — CEILING HEIGHT, FROM FINISHED FLOOR

*UNLABELED SPACES ARE EXISTING OR EXPOSED STRUCTURE, SEE DEMOLITION DWGS.

RC PLAN FINISHES LEGEND:

GENERAL FINISH NOTES:

- EXISTING FINISHES TO REMAIN UNLESS OTHERWISE DESIGNATED ON ROOM TAGS OR OTHER NOTES

WALLS/BASE/FLOORS: (SEE FLOOR PLANS)

CEILINGS:

C0 - EXISTING TO REMAIN

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C5 - MUSIC , PRACTICE AND BAND ROOMS: ACT 2 X4: 50/50 MIX OF MESA 686 AND CERAMAGUARD 608 BY ARMSTRONG

C6 - TOILETS, NURSE AND KITCHEN (AND FOOD PREP ASSOCIATED SPACES): ACT 2X4 ULTIMA HEALTH ZONE SQUARE LAY IN 1938 BY ARMSTRONG

C7 - LOCKER ROOMS, SHOWERS AND ASSOCIATED TOILETS: ACT 2 X 4 CERAMAGUARD 605 BY ARMSTRONG

C8 - SUSPENDED GWB CEILING

ACOUSTIC TILE GRID SYSTEM

- TYPICAL UNO: PRELUDE XL 15/16" BY ARMSTRONG
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RC PLAN FIXTURE LEGEND:

TROFFER AND RECESSED LIGHT FIXTURES

- TROFFER LIGHT FIXTURE (24" X 24" SHOWN)
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SURFACE MOUNTED LIGHT FIXTURES

- LINEAR SURFACE MOUNTED FIXTURE
- ROUND SURFACE MOUNTED FIXTURE
- LINEAR UTILITY SURFACE MOUNTED FIXTURE

PENDANT LIGHT FIXTURES

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- SUPPLY AIR DIFFUSER
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PROGRESS SET

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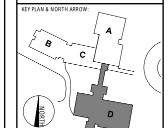
REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



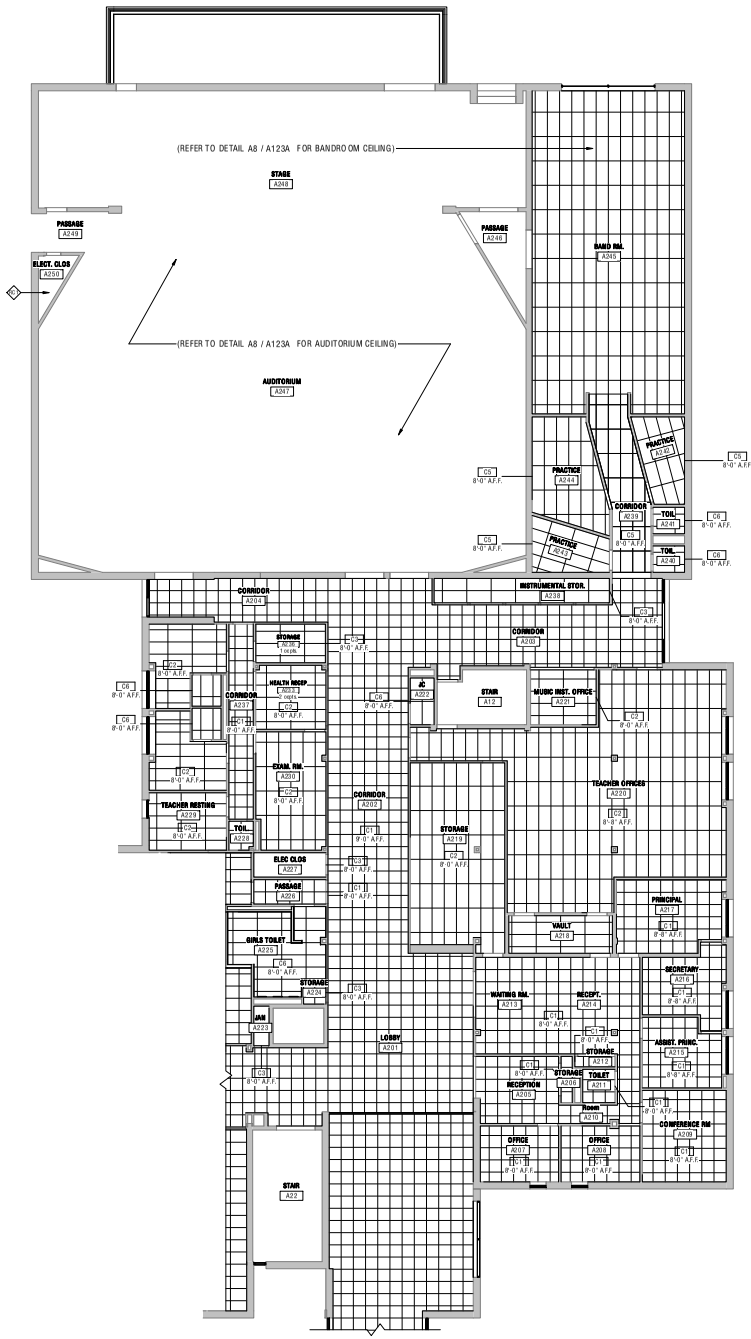
PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 1 AREA D Reflected Clg

PROJECT NO: 21-806 | DATE: 12-3-2021

SHEET NUMBER:
A121D



GENERAL RC PLAN NOTES:

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6. ALL ACOUSTIC TILE TO BE ARMSTRONG ULTIMA TEGULAR UNO.

RC PLAN KEYNOTES:

- EXPOSED STRUCTURE
- EXPOSED STRUCTURE, PT.D.
- EXISTING CEILING TO REMAIN
- ACT SOFFIT RETURN, SEE DETAIL ----

RC PLAN LEGEND:

- KEYNOTE, SEE RC PLAN KEYNOTE CODES ABOVE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN

CEILING TAG:

- CEILING TYPE DESIGNATION, SEE RC PLAN FINISH LEGEND
- CEILING HEIGHT, FROM FINISHED FLOOR

*UNLABELED SPACES ARE EXISTING OR EXPOSED STRUCTURE, SEE DEMOLITION DWGS.

RC PLAN FINISHES LEGEND:

GENERAL FINISH NOTES:

- EXISTING FINISHES TO REMAIN UNLESS OTHERWISE DESIGNATED ON ROOM TAGS OR OTHER NOTES

WALLS/BASE/FLOORS: (SEE FLOOR PLANS)

CEILINGS:

C0 - EXISTING TO REMAIN

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C2 - TYPICAL ACT 2 X 4 UNO SCHOOLZONE 1714 FINE FISSURED SQUARE LAY IN BY ARMSTRONG

C3 - ACT 2 X 4 STORAGE AND UTILITY SPACES: TEXTURED, SQUARE LAY IN 944 BY ARMSTRONG

C4 - AUDITORIUM, ACT 2 X 2, TECTUM DESIGN WITH TEGULAR RINGS 1713 - TWILIGHT BY ARMSTRONG

C5 - MUSIC , PRACTICE AND BAND ROOMS ACT 2 X 4 SO/SO MKX OF MESA 686 AND CERAMAGUARD 608 BY ARMSTRONG

C6 - TOILETS, NURSE AND KITCHEN (AND FOOD PREP ASSOCIATED SPACES) ACT 2X4 ULTIMA HEALTH ZONE SQUARE LAY IN 1808 BY ARMSTRONG

C7 - LOCKER ROOMS, SHOWERS AND ASSOCIATED TOILETS ACT 2 X 4 CERAMAGUARD 605 BY ARMSTRONG

C8 - SUSPENDED GWB CEILING

ACOUSTIC TILE GRID SYSTEM

- TYPICAL UNO, PRELUDE XL 15/16" BY ARMSTRONG
- AUDITORIUM GRID: PRELUDE XL 15/16" WITH COLOR TO MATCH AUDITORIUM TILE BY ARMSTRONG

RC PLAN FIXTURE LEGEND:

TROFFER AND RECESSED LIGHT FIXTURES

- TROFFER LIGHT FIXTURE (24" X 24" SHOWN)
- RECESSED CAN FIXTURE
- DIRECTIONAL RECESSED CAN FIXTURE

SURFACE MOUNTED LIGHT FIXTURES

- LINEAR SURFACE MOUNTED IXTURE
- ROUND SURFACE MOUNTED IXTURE
- LINEAR UTILITY SURFACE MOUNTED IXTURE

PENDANT LIGHT FIXTURES

- TRACK LIGHTING
- SMALL PENDANT FIXTURE
- LARGE ROUND PENDANT FIXTURE
- LINEAR PENDANT IXTURE

WALL MOUNTED LIGHT FIXTURES

- LINEAR WALL FIXTURE
- WALL SCONCE FIXTURE
- EMERGENCY LIGHT FIXTURE

MECHANICAL REGISTERS AND GRILLES

- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE or RECESSED EXHAUST FAN

MISCELLANEOUS FIXTURES

- CEILING FAN
- EXIT SIGN

A8 LEVEL 2 - CEILING PLAN - A
Scale: 1/8" = 1'-0"

12/3/2021 11:09:49 AM C:\Users\jgravel\Documents\21-606 GMUHS Central_jgravel@banwellarchitects.com.rvt

banwell ARCHITECTS
THE CARRIAGE HOUSE
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609 VT ROUTE 103
LUDLOW, VT 05149

CONSTRUCTION MANAGER:
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19 STAR DRIVE
MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
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T: (603) 448-3778

MEP/FP:

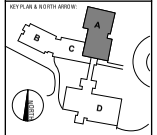
VISUAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET

NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 2 AREA A Reflected Clg

PROJECT NO: 21-606 | DATE: 12-3-2021

SHEET NUMBER:
A122A

GENERAL RC PLAN NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS IS TO BE PROMPTLY COMMUNICATED TO ARCHITECT FOR CLARIFICATION.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CEILING CONDITIONS TO CONFIRM SCOPE OF WORK FOR INDIVIDUAL CEILING MATERIALS.
3. REFER TO ELECTRICAL DWGS FOR FIXTURE TYPE, FIXTURE SIZE, MOUNTING, AND FIXTURES NOT SHOWN IN THIS DRAWING.
4. REFER TO MECHANICAL DWGS FOR DUCT AND REGISTER SIZE, AND ITEMS NOT SHOWN IN THIS DRAWING.
5. ALL RATED ASSEMBLIES ARE TO BE CONSTRUCTED PER REFERENCED UL LISTINGS
6. ALL ACOUSTIC TILE TO BE ARMSTRONG ULTIMA TEGULAR UNO.

RC PLAN KEYNOTES:

- RC1 EXPOSED STRUCTURE
- RC2 EXPOSED STRUCTURE, PTD.
- RC3 EXISTING CEILING TO REMAIN
- RC4 ACT SOFFIT RETURN, SEE DETAIL ------

RC PLAN LEGEND:

- F3 KEYNOTE, SEE RC PLAN KEYNOTE CODES ABOVE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN

CEILING TAG*

1i — CEILING TYPE DESIGNATION, SEE RC PLAN FINISH LEGEND

1' - 0" A.F.F. — CEILING HEIGHT, FROM FINISHED FLOOR

*UNLABELED SPACES ARE EXISTING OR EXPOSED STRUCTURE, SEE DEMOLITION DWGS.

RC PLAN FINISHES LEGEND:

GENERAL FINISH NOTES:

- EXISTING FINISHES TO REMAIN UNLESS OTHERWISE DESIGNATED ON ROOM TAGS OR OTHER NOTES

WALLS/BASE/FLOORS: (SEE FLOOR PLANS)

CEILINGS:

C0 - EXISTING TO REMAIN

C1 - TYPICAL ACT 2 X 2 UNO ULTIMA TEGULAR 1911 BY ARMSTRONG

C2 - TYPICAL ACT 2 X 4 UNO: SCHOOL ZONE 1714 FINE FISSURED SQUARE LAY IN BY ARMSTRONG

C3 - ACT 2 X 4 STORAGE AND UTILITY SPACES: TEXTURED, SQUARE LAY IN 944 BY ARMSTRONG

C4 - AUDITORIUM: ACT 2 X 2 TECTUM DESIGNART TEGULAR RINGS 1713 - TWILIGHT BY ARMSTRONG

C5 - MUSIC , PRACTICE AND BAND ROOMS: ACT 2 X4: 50/50 MIX OF MESA 686 AND CERAMAGUARD 608 BY ARMSTRONG

C6 - TOILETS, NURSE AND KITCHEN (AND FOOD PREP ASSOCIATED SPACES): ACT 2X4 ULTIMA HEALTH ZONE SQUARE LAY IN 1938 BY ARMSTRONG

C7 - LOCKER ROOMS, SHOWERS AND ASSOCIATED TOILETS: ACT 2 X 4 CERAMAGUARD 605 BY ARMSTRONG

C8 - SUSPENDED GWB CEILING

ACOUSTIC TILE GRID SYSTEM

- TYPICAL UNO: PRELUDE XL 15/16" BY ARMSTRONG
- AUDITORIUM GRID: PRELUDE XL 15/16" WITH COLOR TO MATCH AUDITORIUM TILE :BY ARMSTRONG

RC PLAN FIXTURE LEGEND:

TROFFER AND RECESSED LIGHT FIXTURES

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- RECESSED CAN FIXTURE
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SURFACE MOUNTED LIGHT FIXTURES

- LINEAR SURFACE MOUNTED FIXTURE
- ROUND SURFACE MOUNTED FIXTURE
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PENDANT LIGHT FIXTURES

- TRACK LIGHTING
- SMALL PENDANT FIXTURE
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- LINEAR WALL FIXTURE
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MECHANICAL REGISTERS AND GRILLES

- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE or RECESSED EXHAUST FAN

MISCELLANEOUS FIXTURES

- CEILING FAN
- EXIT SIGN

A8 LEVEL 2 - CEILING PLAN - B & C
Scale: 1/8" = 1'-0"

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REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 2 AREA B & C Reflected Clg

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
A122BC

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GENERAL RC PLAN NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS IS TO BE PROMPTLY COMMUNICATED TO ARCHITECT FOR CLARIFICATION.
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3. REFER TO ELECTRICAL DWGS FOR FIXTURE TYPE, FIXTURE SIZE, MOUNTING, AND FIXTURES NOT SHOWN IN THIS DRAWING.
4. REFER TO MECHANICAL DWGS FOR DUCT AND REGISTER SIZE, AND ITEMS NOT SHOWN IN THIS DRAWING.
5. ALL RATED ASSEMBLIES ARE TO BE CONSTRUCTED PER REFERENCED UL LISTINGS
6. ALL ACOUSTIC TILE TO BE ARMSTRONG ULTIMA TEGULAR UNO.

RC PLAN KEYNOTES:

- RC1 EXPOSED STRUCTURE
- RC2 EXPOSED STRUCTURE, PTD.
- RC3 EXISTING CEILING TO REMAIN
- RC4 ACT SOFFIT RETURN, SEE DETAIL -----

RC PLAN LEGEND:

- F3 KEYNOTE, SEE RC PLAN KEYNOTE CODES ABOVE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN

CEILING TAG*

1i / 1' - 0" A.F.F.
- CEILING TYPE DESIGNATION, SEE RC PLAN FINISH LEGEND
- CEILING HEIGHT, FROM FINISHED FLOOR

*UNLABELED SPACES ARE EXISTING OR EXPOSED STRUCTURE, SEE DEMOLITION DWGS.

RC PLAN FINISHES LEGEND:

GENERAL FINISH NOTES:

- EXISTING FINISHES TO REMAIN UNLESS OTHERWISE DESIGNATED ON ROOM TAGS OR OTHER NOTES

WALLS/BASE/FLOORS: (SEE FLOOR PLANS)

CEILINGS:

C0 - EXISTING TO REMAIN

C1 - TYPICAL ACT 2 X 2 UNO ULTIMA TEGULAR 1911 BY ARMSTRONG

C2 - TYPICAL ACT 2 X 4 UNO: SCHOOL ZONE 1714 FINE FISSURED SQUARE LAY IN BY ARMSTRONG

C3 - ACT 2 X 4 STORAGE AND UTILITY SPACES: TEXTURED, SQUARE LAY IN 944 BY ARMSTRONG

C4 - AUDITORIUM: ACT 2 X 2 TECTUM DESIGNART TEGULAR RINGS 1713 - TWILIGHT BY ARMSTRONG

C5 - MUSIC , PRACTICE AND BAND ROOMS: ACT 2 X4: 50/50 MIX OF MESA 686 AND CERAMAGUARD 608 BY ARMSTRONG

C6 - TOILETS, NURSE AND KITCHEN (AND FOOD PREP ASSOCIATED SPACES): ACT 2X4 ULTIMA HEALTH ZONE SQUARE LAY IN 1938 BY ARMSTRONG

C7 - LOCKER ROOMS, SHOWERS AND ASSOCIATED TOILETS: ACT 2 X 4 CERAMAGUARD 605 BY ARMSTRONG

C8 - SUSPENDED GWB CEILING

ACOUSTIC TILE GRID SYSTEM
- TYPICAL UNO: PRELUDE XL 15/16" BY ARMSTRONG
- AUDITORIUM GRID: PRELUDE XL 15/16" WITH COLOR TO MATCH AUDITORIUM TILE :BY ARMSTRONG

RC PLAN FIXTURE LEGEND:

TROFFER AND RECESSED LIGHT FIXTURES
- TROFFER LIGHT FIXTURE (24" X 24" SHOWN)
- RECESSED CAN FIXTURE
- DIRECTIONAL RECESSED CAN FIXTURE

SURFACE MOUNTED LIGHT FIXTURES
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- ROUND SURFACE MOUNTED FIXTURE
- LINEAR UTILITY SURFACE MOUNTED FIXTURE

PENDANT LIGHT FIXTURES
- TRACK LIGHTING
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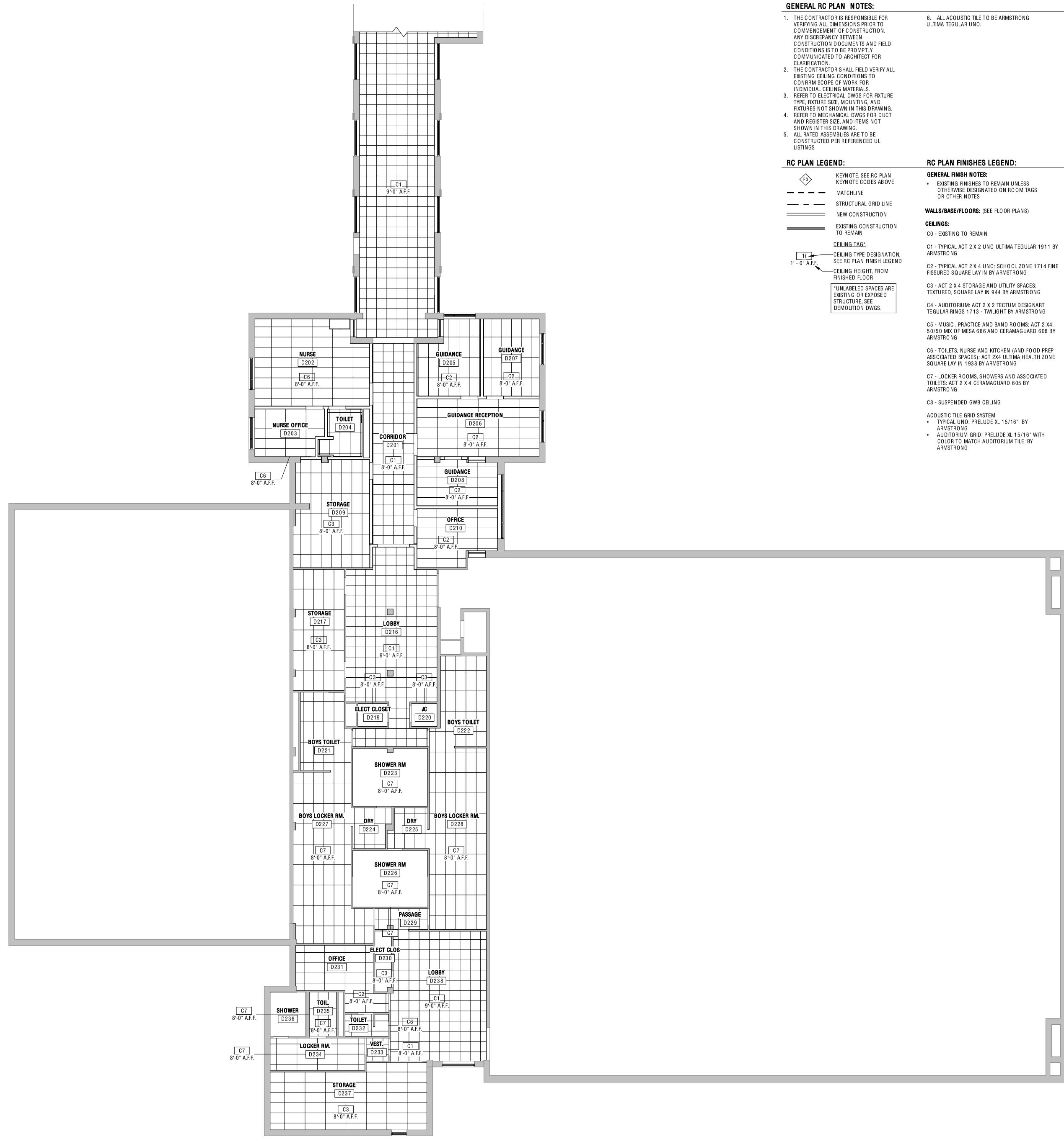
- EXIT SIGN



A8 LEVEL 2 - CEILING PLAN - D
Scale: 1/8" = 1'-0"

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PROGRESS SET
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REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 2 AREA D Reflected Clg

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
A122D

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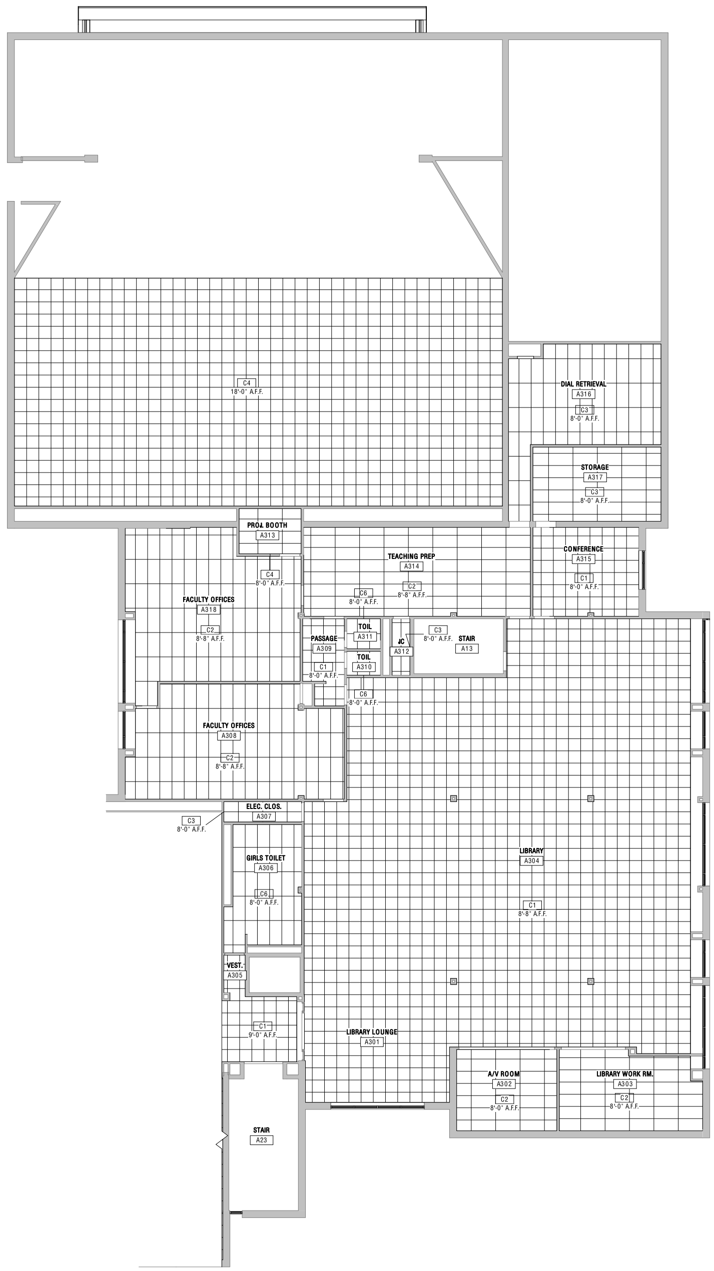

A8 LEVEL 3 - CEILING PLAN - A
Scale: 1/8" = 1'-0"

GENERAL RC PLAN NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS IS TO BE PROMPTLY COMMUNICATED TO ARCHITECT FOR CLARIFICATION.
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RC PLAN KEYNOTES:

- RC1 EXPOSED STRUCTURE
- RC2 EXPOSED STRUCTURE, PTD.
- RC3 EXISTING CEILING TO REMAIN
- RC4 ACT SOFFIT RETURN, SEE DETAIL -----

RC PLAN LEGEND:

- F3 KEYNOTE, SEE RC PLAN KEYNOTE CODES ABOVE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN

CEILING TAG*

1i / 1' - 0" A.F.F.
- CEILING TYPE DESIGNATION, SEE RC PLAN FINISH LEGEND
- CEILING HEIGHT, FROM FINISHED FLOOR

*UNLABELED SPACES ARE EXISTING OR EXPOSED STRUCTURE, SEE DEMOLITION DWGS.

RC PLAN FINISHES LEGEND:

GENERAL FINISH NOTES:

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WALLS/BASE/FLOORS: (SEE FLOOR PLANS)

CEILINGS:

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C3 - ACT 2 X 4 STORAGE AND UTILITY SPACES: TEXTURED, SQUARE LAY IN 944 BY ARMSTRONG

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C7 - LOCKER ROOMS, SHOWERS AND ASSOCIATED TOILETS: ACT 2 X 4 CERAMAGUARD 605 BY ARMSTRONG

C8 - SUSPENDED GWB CEILING

ACOUSTIC TILE GRID SYSTEM

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RC PLAN FIXTURE LEGEND:

TROFFER AND RECESSED LIGHT FIXTURES

- TROFFER LIGHT FIXTURE (24" X 24" SHOWN)
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KEY PLAN & NORTH ARROW:

PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 3 AREA A Reflected Clg

PROJECT NO: 21-806 | DATE: 12-3-2021

SHEET NUMBER:
A123A

GENERAL RC PLAN NOTES:

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CEILING TAG*

1i / 1' - 0" A.F.F.
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WALLS/BASE/FLOORS: (SEE FLOOR PLANS)

CEILINGS:

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- SUPPLY AIR DIFFUSER
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MISCELLANEOUS FIXTURES
- CEILING FAN
- EXIT SIGN

A8 LEVEL 3 - CEILING PLAN - B & C
Scale: 1/8" = 1'-0"

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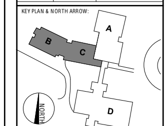


PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

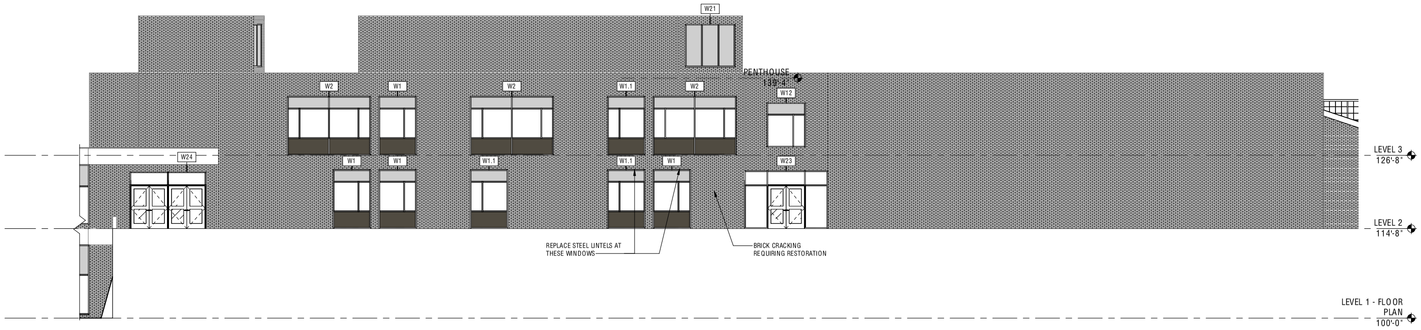
ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
LEVEL 3 AREA B & C Reflected Clg

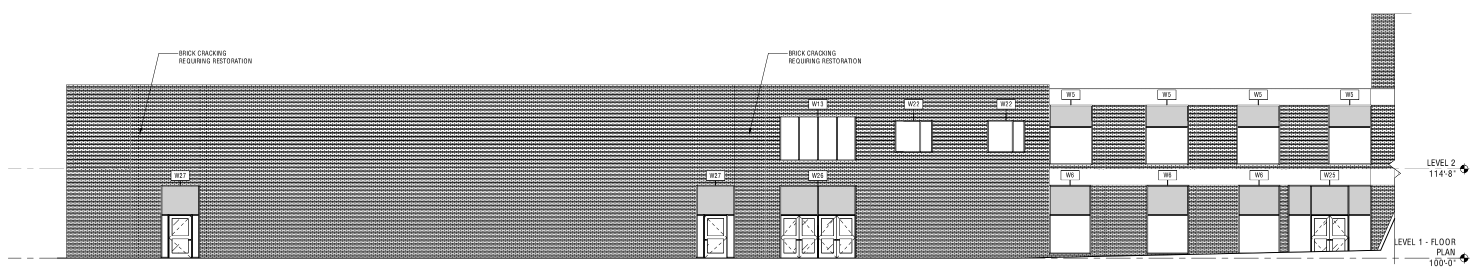
PROJECT NO: 21-806 | DATE: 12-3-2021

SHEET NUMBER:
A123BC

12/3/2021 11:08:54 AM C:\Users\jgoulet\Documents\21-806 GMUHS Central_jeremiah@banwellnh.com.rvt



D8 EAST ELEVATION (North)
Scale: 1/8" = 1'-0"



B8 EAST ELEVATION (South)
Scale: 1/8" = 1'-0"

banwell ARCHITECTS
THE CARRIAGE HOUSE
6 SOUTH PARK STREET
LEBANON, NH 03766
T: 603 448 3778

CONSULTANTS / DESIGN TEAM:

OWNER:
TWO RIVERS SUPERVISORY UNION
609 VT ROUTE 103
LUDLOW, VT 05149

CONSTRUCTION MANAGER:
ENERGY EFFICIENT INVESTMENTS
19 STAR DRIVE
MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
BANWELL ARCHITECTS, NH
6 SOUTH PARK STREET
LEBANON, NH 03766
T: (603) 448-3778

MEP/FP:

VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

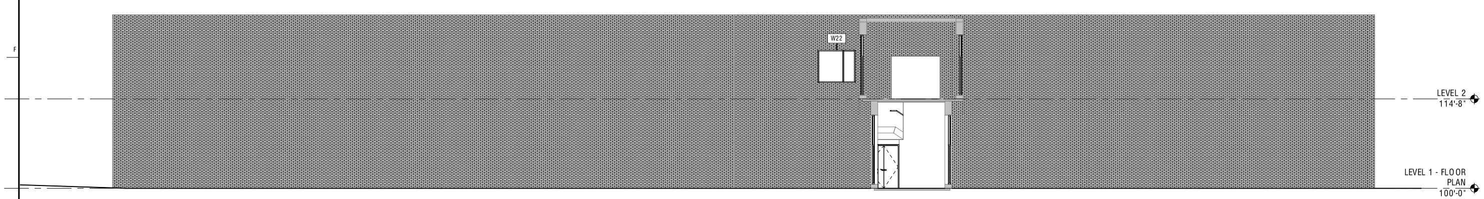
PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

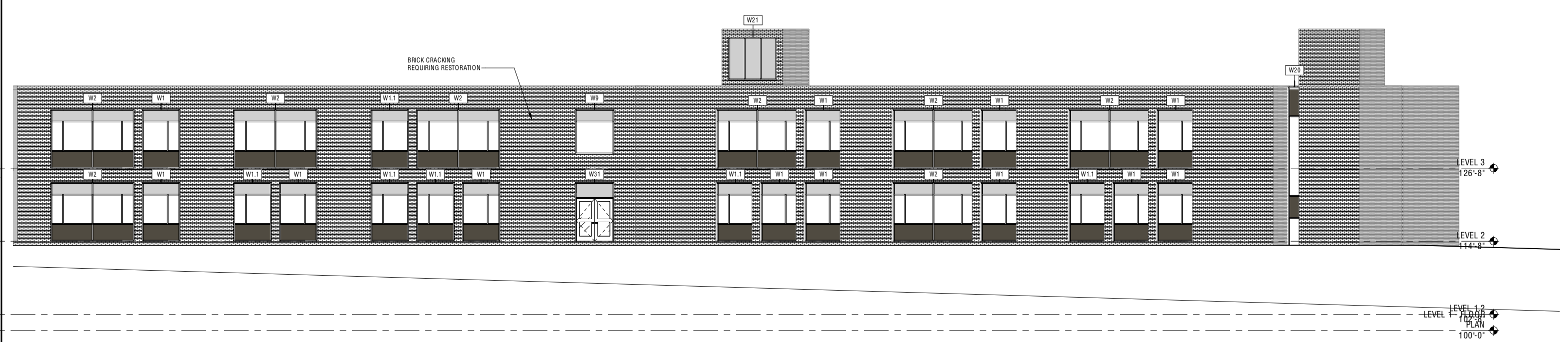
DRAWING TITLE:
EAST ELEVATION

PROJECT NO: 21-806 DATE: 12-3-2021

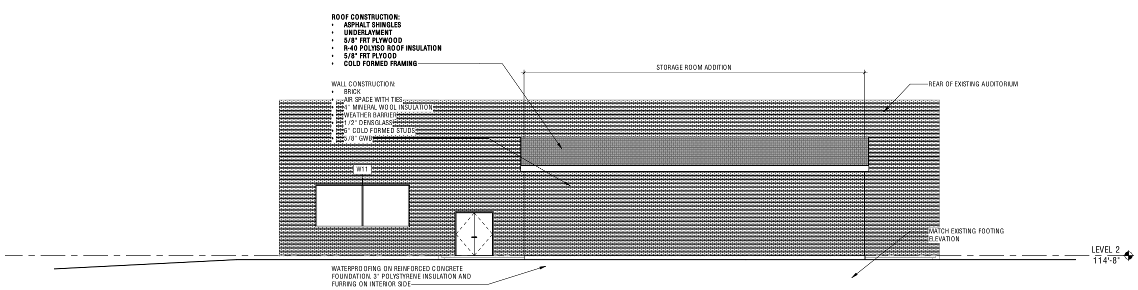
SHEET NUMBER:
A201



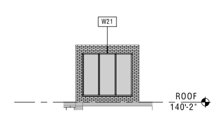
E8 NORTH ELEVATION - AREA D
Scale: 1/8" = 1'-0"



C8 NORTH ELEVATION (West)
Scale: 1/8" = 1'-0"



A8 NORTH ELEVATION - AREA A
Scale: 1/8" = 1'-0"



A2 NORTH ELEVATION - AREA A ROOF
Scale: 1/8" = 1'-0"

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LUDLOW, VT 05149

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19 STAR DRIVE
MERRIMACK, NH 03054

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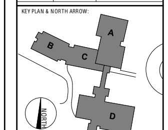
PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

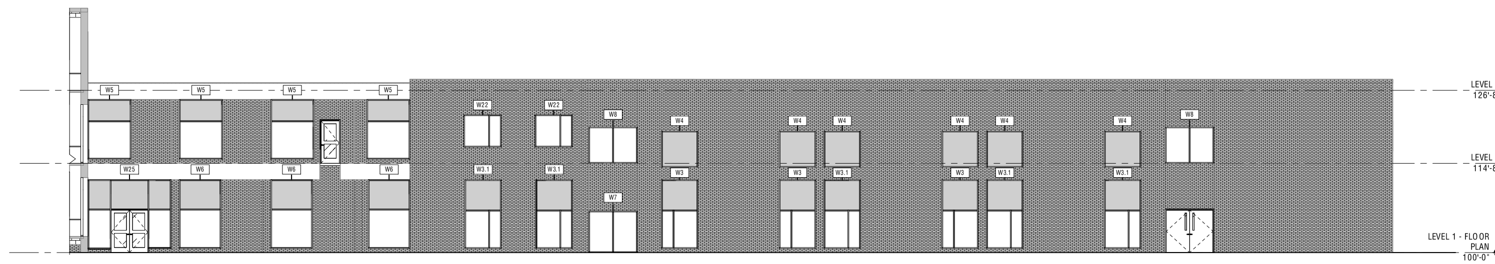
ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
NORTH ELEVATION

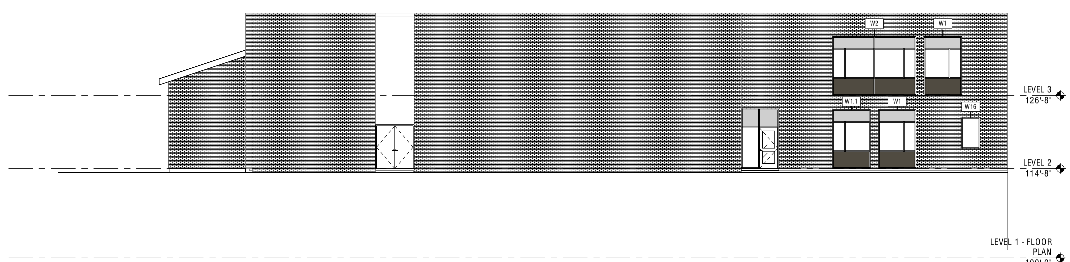
PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
A202

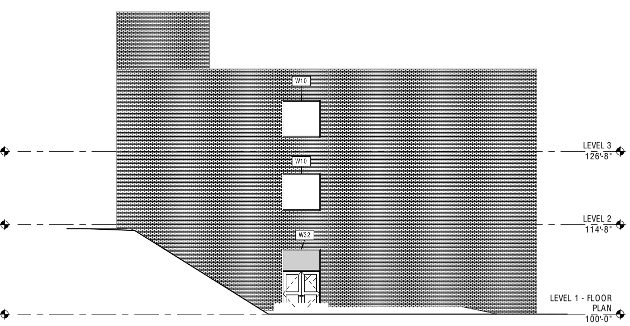
12/3/2021 11:09:04 AM C:\Users\jgoulet\Documents\21-806 GMUHS Central_jeremiah@banwellnh.com.rvt



E8 WEST ELEVATION (South)
Scale: 1/8" = 1'-0"



C8 WEST ELEVATION - AREA A
Scale: 1/8" = 1'-0"



C3 WEST ELEVATION - AREA B & C
Scale: 1/8" = 1'-0"

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CONSULTANTS / DESIGN TEAM:

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LUDLOW, VT 05149

CONSTRUCTION MANAGER:
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MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
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LEBANON, NH 03766
T: (603) 448-3778

MEP/FP:

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PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

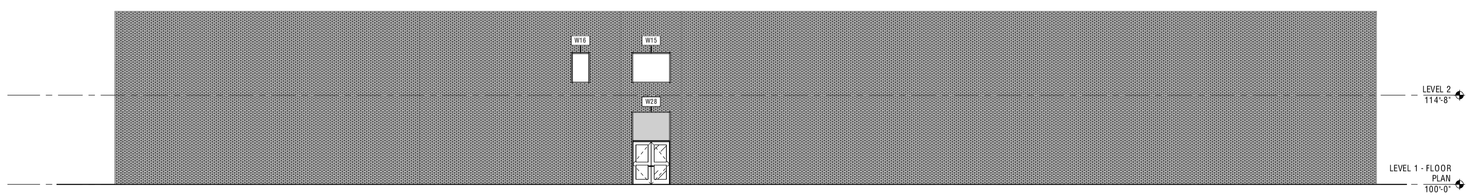
PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

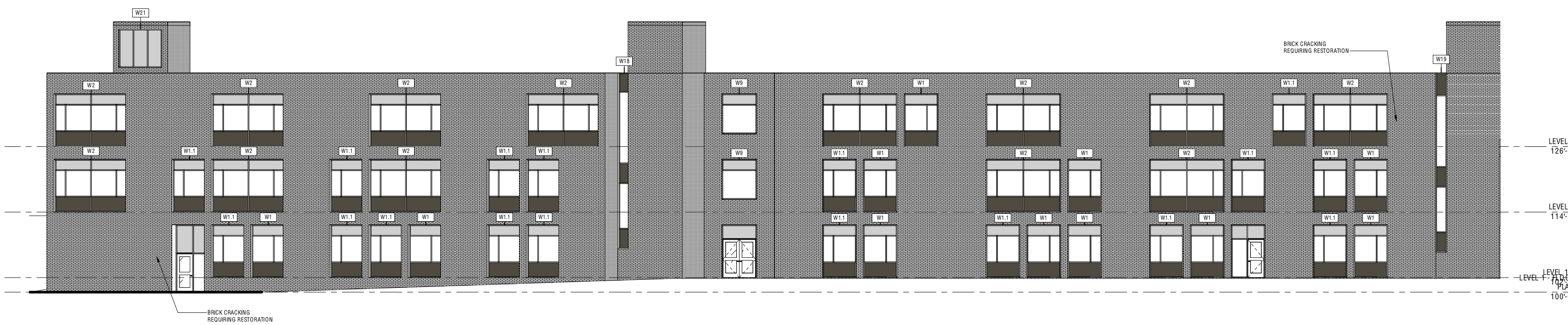
DRAWING TITLE:
WEST ELEVATION

PROJECT NO: 21-806 | DATE: 12-3-2021

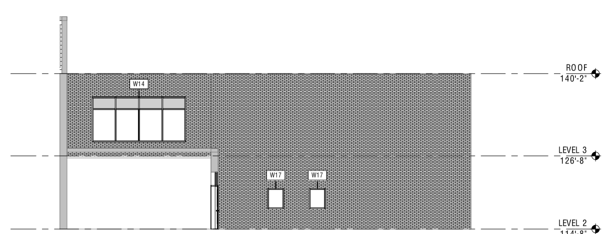
SHEET NUMBER:
A203



E8 SOUTH ELEVATION - AREA D
Scale: 1/8" = 1'-0"



B8 SOUTH ELEVATION - AREA B & C
Scale: 1/8" = 1'-0"



1 SOUTH ELEVATION - AREA A
Scale: 1/8" = 1'-0"

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THE CARRIAGE HOUSE
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PROGRESS SET
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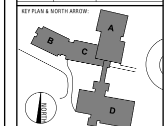
REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

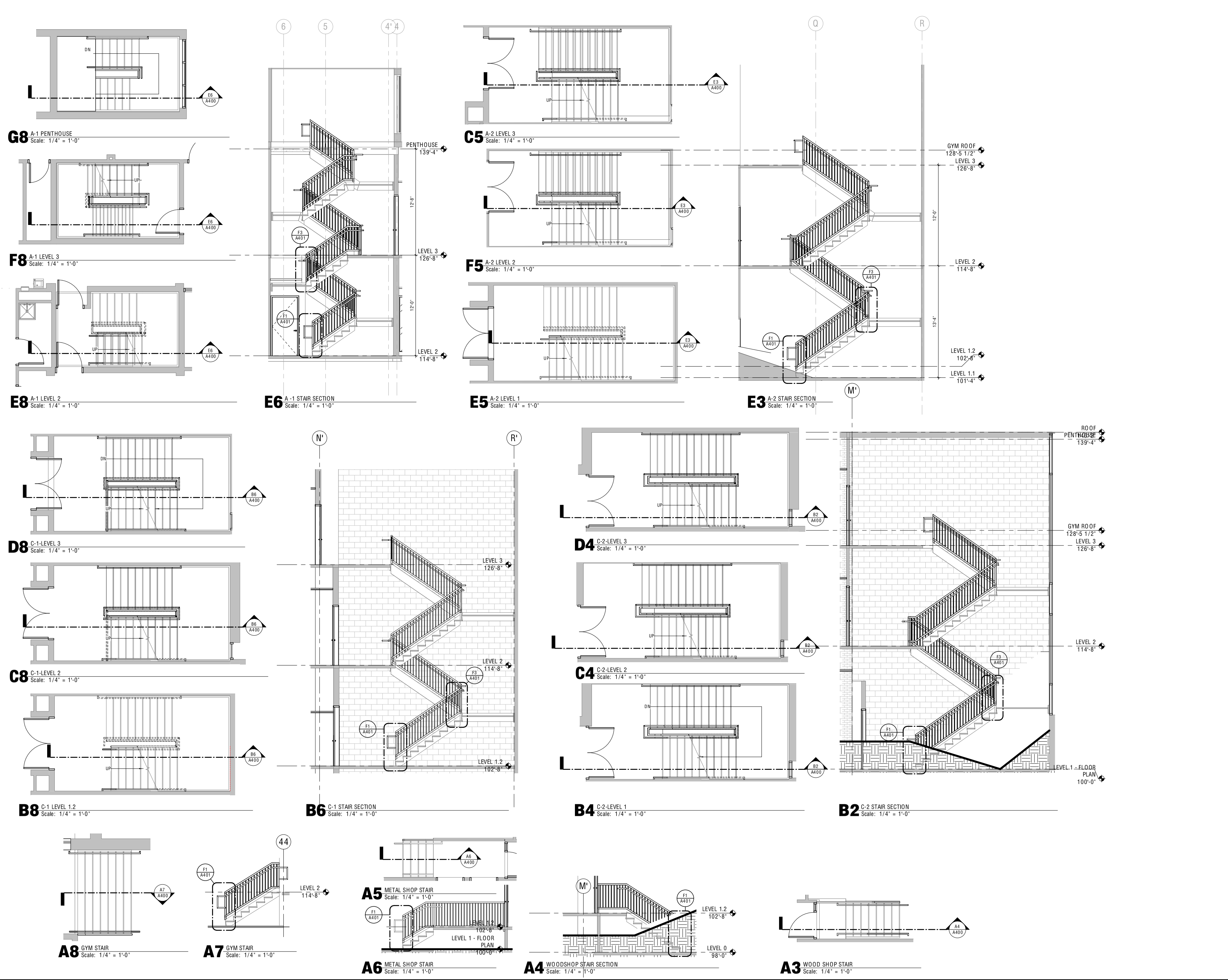
ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
SOUTH ELEVATION

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
A204

12/3/2021 11:09:17 AM C:\Users\jgoulet\Documents\21-806 GMUHS Central_jeremiah@banwellnh.com.rvt



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CONSULTANTS / DESIGN TEAM:

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CONSTRUCTION MANAGER:
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NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
ENLARGED STAIR AND ELEVATOR PLANS AND SECTIONS

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
A400

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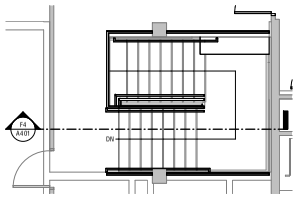
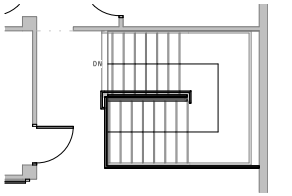
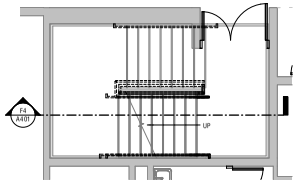


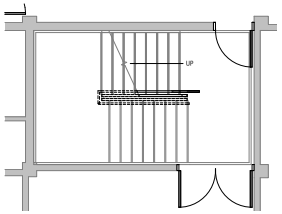
G8 D-1 LEVEL 2
Scale: 1/4" = 1'-0"



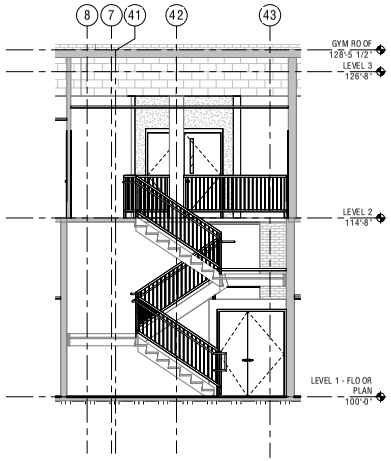
G6 D-2 LEVEL 2
Scale: 1/4" = 1'-0"



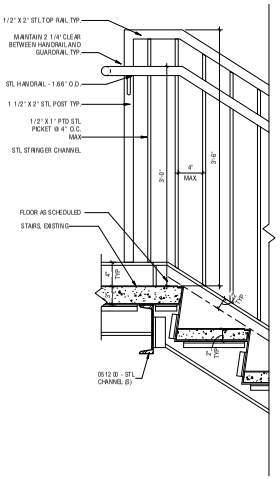
F8 D-1 LEVEL 1
Scale: 1/4" = 1'-0"



F6 D-2 LEVEL 1
Scale: 1/4" = 1'-0"

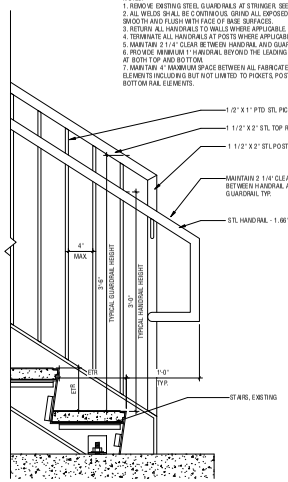


F4 Section 1
Scale: 1/4" = 1'-0"

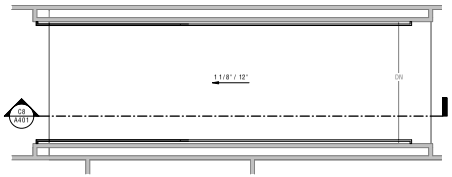


F3 TYPICAL GUARDRAIL TOP
Scale: 1 1/2" = 1'-0"

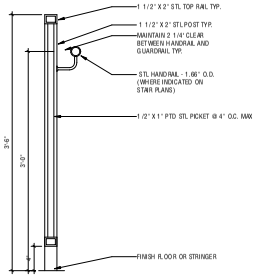
NOTES:
1. REMOVE EXISTING STEEL GUARDRAILS AT STRINGER. SEE DEMO PLANS.
2. ALL WELDS SHALL BE CONTINUOUS. GRIND ALL EXPOSED WELDS SMOOTH AND FLUSH WITH FACE OF BASE SURFACES.
3. RETURN ALL HANDRAILS TO WALLS WHERE APPLICABLE.
4. TERMINATE ALL HANDRAILS AT POSTS WHERE APPLICABLE.
5. MAINTAIN 2 1/4" CLEAR BETWEEN HANDRAIL AND GUARDRAIL TYP.
6. PROVIDE MINIMUM 1 1/4 HANDRAIL BEYOND THE LEADING EDGE OF TREAD AT BOTH TOP AND BOTTOM.
7. MAINTAIN 4" MAXIMUM SPACE BETWEEN ALL FABRICATED GUARDRAIL ELEMENTS INCLUDING BUT NOT LIMITED TO PICKETS, POSTS, TOP AND BOTTOM RAIL ELEMENTS.



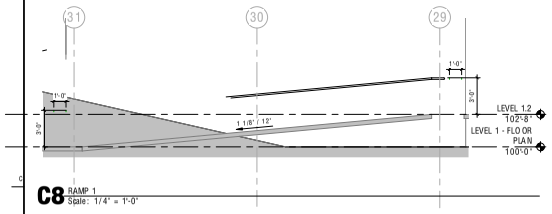
F1 TYPICAL GUARDRAIL BOTTOM
Scale: 1 1/2" = 1'-0"



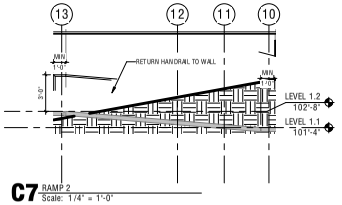
D8 RAMP 1
Scale: 1/4" = 1'-0"



C3 GUARDRAIL CROSS
Scale: 1 1/2" = 1'-0"



C8 RAMP 1
Scale: 1/4" = 1'-0"



C7 RAMP 2
Scale: 1/4" = 1'-0"

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6 SOUTH PARK STREET
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LUDLOW, VT 05149

CONSTRUCTION MANAGER:
ENERGY EFFICIENT INVESTMENTS
19 STAR DRIVE
MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
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PROGRESS SET
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REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

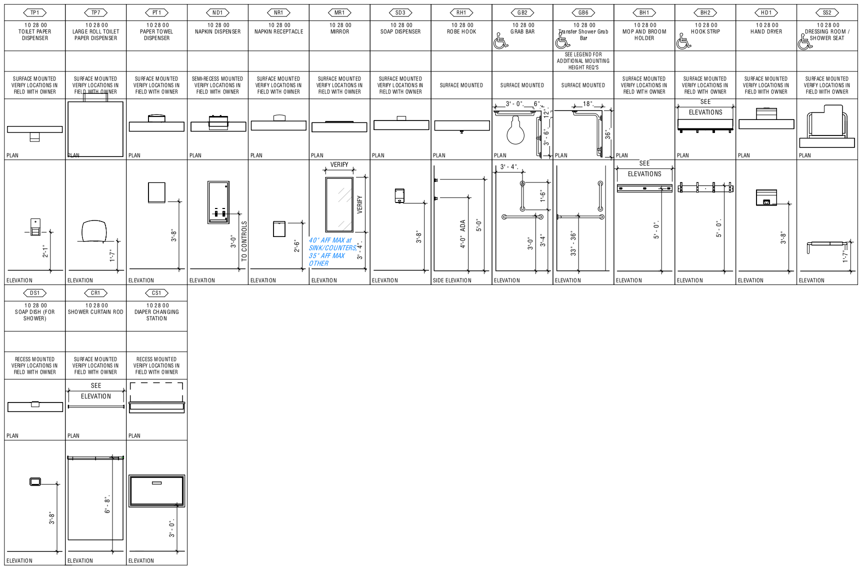
ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
ENLARGED STAIR AND ELEVATOR PLANS AND SECTIONS

PROJECT NO: 21-806 | DATE: 12-3-2021

SHEET NUMBER:
A401

12/3/2021 11:09:24 AM C:\Users\jlaurent\Documents\21-806_GMUHS_Central_jlaurent@banwellarch.com.rvt



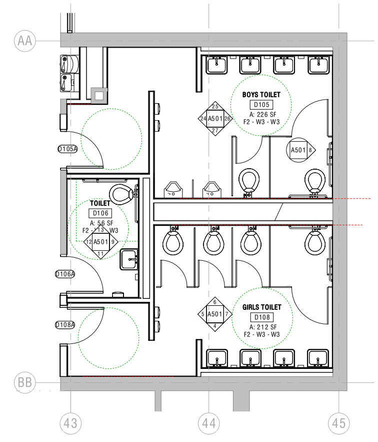
ROOM NUMBER	ROOM NAME	RECONFIGURED OR NEW		TP1	TP7	PT1	HD1	ND1	NR1	MR1	SD3	RH1	BH1	BH2	GB2	GB6	SS2	CS1	CR1	SS1
			LOOSE WASTE RECEPTICAL (BY OWNER)	SINGLE ROLL SURFACE MTD	LARGE ROLL SURFACE MOUNTED	C FOLD SURFACE MTD	ELECTRIC HAND DRYER (BY ELECT CONT.)	SANITARY NAPKIN DISPENSER - SEMI-RECESSED	SANITARY NAPKIN RECEPTACLE - SURFACE MTD	18 X 30 MIRROR WITH WELDED FRAME	SOAP DISPENSER-SURFACE MOUNTED	ROBE HOOK	MOP AND BROOM HOLDER	TOWEL HOOK STRIP (4 HOOKS)	GRAB BAR FOR TOILET (3 BAR CONFIG.)	GRAB BAR FOR SHOWER	SHOWER SEAT	BABY CHANGING STATION: SURFACE MOUNTED	SHOWER CURTAIN ROD	SHOWER SOAP SHELF
A211	TOILET	EXIST	1	1		1			1	1	1	2								
A225	GIRLS TOILET	RECONFIGURED	1		3		2	1	3	3	2	3			1					
A232	TOILET	EXIST	1	1		1			1	1	1	2								
A234	TOILET	EXIST	1	1		1			1	1	1	2								
A240	TOILET	EXIST	1	1		1			1	1	1	2								
A241	TOILET	EXIST	1	1		1			1	1	1	2								
A306	GIRLS TOILET	EXIST	1		5		2	1	5	3	2	5								
A310	TOILET	EXIST	1	1		1			1	1	1	2								
A311	TOILET	EXIST	1	1		1			1	1	1	2								
B208	TOILET	NEW	1	1		1			1	1	1	2			1					
B215	BOYS TOILET	RECONFIGURED	1		2		2			3	2	2			1					
C104	GIRLS TOILET	RECONFIGURED	1		2		1	1	2	2	1	2			1					
C105	BOYS TOILET	RECONFIGURED	1		1		1			2	1	2			1					
C203	GIRLS TOILET	EXIST	1		3		2	1	3	2	1	3								
C204	BOYS TOILET	EXIST	1		2		2			2	1	2								
C304	BOYS TOILET	EXIST	1		2					3	2	2								
D105	BOYS TOILET	NEW	1		2		2			4	3	2			1					
D106	TOILET	NEW	1	1		1			1	1	1	2			1			1		
D108	GIRLS TOILET	NEW	1		4		2	1	4	4	3	4			1					
D118	TOILET	EXIST	1	1		1			1	1	1	2	1							
D202	NURSE	NEW	1			1														
D204	TOILET	NEW	1	1		1			1	1	1	2			1	1	1	1	1	1
D221	BOYS TOILET	EXIST	1		2					2	1	2								
D222	BOYS TOILET	EXIST	1		2					2	1	2								
D224	DRY	EXIST	1											2						
D225	DRY	EXIST	1											2						
D232	TOILET		1	1		1			1	1	1	2							1	1
D235	TOILET		1	1		1			1	1	1	2			1					
TOTAL			28	13	30	14	16	5	30	45	33	57	1	4	10	1	1	2	2	2

TOILET AND BATH ACCESSORIES SCHEDULE

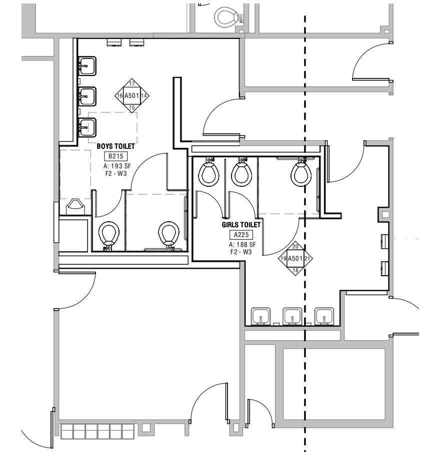
ACCESSORIES GENERAL NOTES

1. PROVIDE WALL BLOCKING FOR ALL ACCESSORIES
2. ALL ACCESSORIES SHALL BE MANUFACTURED BY BOBRICK UNLESS OTHERWISE NOTED
3. BABY DIAPER CHANGING TABLE SHALL BE MODEL 100-SSE-R MANUFACTURED BY FOUNDATIONS INC
4. SEE ELECTRICAL DRAWINGS FOR ELECTRIC HAND DRYER SPECIFICATIONS. DRYER INSTALLED BY ELECTRICAL CONTRACTOR
5. ALL ACCESSORIES SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR UNO

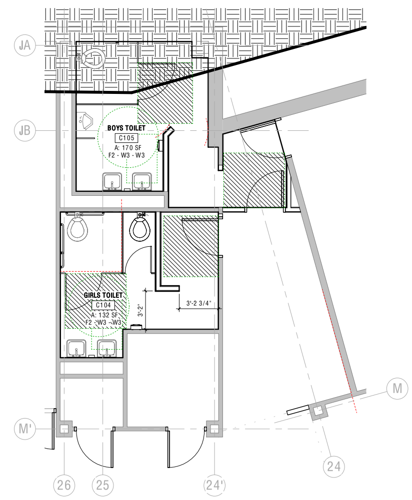
ACCESSORIES - BATHROOM
Scale: 3/8" = 1'-0"



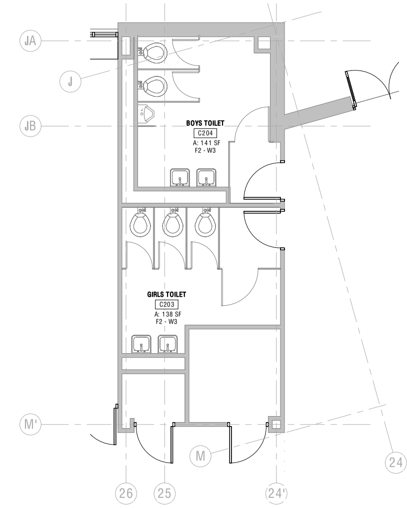
2 LEVEL 1 - FLOOR PLAN - Callout 1
Scale: 1/4" = 1'-0"



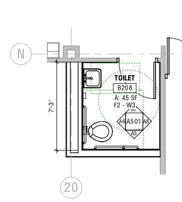
4 LEVEL 2 - FLOOR PLAN - Callout 2
Scale: 1/4" = 1'-0"



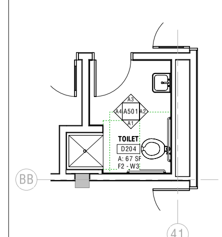
1 LEVEL 1 - FLOOR PLAN - B & C - Callout 1
Scale: 1/4" = 1'-0"



3 LEVEL 2 - FLOOR PLAN - B & C - Callout 1
Scale: 1/4" = 1'-0"



A2 TOILET B208 - ENLARGED PLAN
Scale: 1/4" = 1'-0"



A1 TOILET D204 - ENLARGED PLAN
Scale: 1/4" = 1'-0"

banwell ARCHITECTS
THE CARRIAGE HOUSE
6 SOUTH PARK STREET
LEBANON, NH 03766
T: 603 448 3778

CONSULTANTS / DESIGN TEAM:

OWNER:
TWO RIVERS SUPERVISORY UNION
609 VT ROUTE 103
LUDLOW, VT 05149

CONSTRUCTION MANAGER:
ENERGY EFFICIENT INVESTMENTS
19 STAR DRIVE
MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
BANWELL ARCHITECTS, NH
6 SOUTH PARK STREET
LEBANON, NH 03766
T: (603) 448-3778

MEP/FP:

VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
ENLARGED RESTROOM PLANS & SCHEDULES

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
A500

12/3/2021 11:09:31 AM C:\Users\jgoulet\Documents\21-806 GMUHS Central_jeremiah@banwellnh.com.rvt

NEW DOOR AND FRAME SCHEDULE - LEVEL 1

OPENING			DOORS							FRAMES				HARDWARE				
OPENING NUMBER	ROOM NAME	ROOM NUMBER	TYPE	MATERIAL	FINISH	LEAVES	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	FIRE RATING	HARDWARE SET	PANIC HARDWARE	CLOSER	CARD READER	ADA OPERATOR	COMMENTS
LEVEL 0																			
C111A	FINISHING	C111	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	45 MINUTE			Yes			
C112A	STORAGE	C112	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
LEVEL 1 - FLOOR PLAN																			
D112D	OFFICE	D117	F				3'-0"	7'-0"	1 3/4"										
C214	CORRIDOR	C100	N	WD	FCT	2	6'-0"	7'-0"	1 3/4"	F1	HM	PTD	60 MIN		Yes	Yes			
C100A			FG2	IMS AL	FCT	2	6'-0"	7'-0"	1 3/4"		IMS AL	FCT			Yes	Yes	Yes	No	SEE WINDOW SCHEDULE
C110B	WOOD SHOP	C110	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F6	EXIST	PTD	45 MIN			Yes			
C113B	POWER MECHANICS @ METAL SHOP	C113	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	45 MIN			Yes			
C113C	POWER MECHANICS @ METAL SHOP	C113	FG2	IMS AL							IMS AL	FCT			Yes	Yes			SEE WINDOW SCHEDULE
C114A	STORAGE	C114	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
C114B	STORAGE	C114	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
C116A	OUTDOOR STOR.	EQUIP C116	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
D11A	LOBBY	D101	F	WD	FCT	2	5'-4"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
D21A	STAIR	D2	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
D21B	STAIR	D2	F	WD	FCT	2	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
D100A			FG2	IMS AL	FCT	2	6'-0"	7'-0"	1 3/4"		IMS AL	FCT			Yes	Yes	Yes	No	
D100B			FG2	IMS AL	FCT	2	6'-0"	7'-0"	1 3/4"		IMS AL	FCT			Yes	Yes	Yes	Yes	SEE WINDOW SCHEDULE
D101A	VEST.	D100	FG2	IMS AL	FCT	2	6'-0"	7'-0"	1 3/4"		IMS AL	FCT			Yes	Yes	Yes	No	
D101B	VEST.	D100	FG2	IMS AL	FCT	2	6'-0"	7'-0"	1 3/4"		IMS AL	FCT			Yes	Yes	Yes	Yes	SEE WINDOW SCHEDULE
D102A	CORRIDOR	D102	FG2	IMS AL	FCT	2	6'-0"	7'-0"	1 3/4"		IMS AL	FCT			Yes	Yes	Yes	No	SEE WINDOW SCHEDULE
D102B	CORRIDOR	D102	FG2	IMS AL	FCT	2	6'-0"	7'-0"	1 3/4"		IMS AL	FCT			Yes	Yes	Yes	No	SEE WINDOW SCHEDULE
D103	TEACHERS RM	D103	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	Yes	No	No	
D105A	BOYS TOILET	D105	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F1	HM	PTD			No	Yes	No	No	
D106A	TOILET	D106	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F1	HM	PTD			No	Yes	No	No	
D109A	GIRLS TOILET	D108	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F1	HM	PTD			No	Yes	No	No	
D110A	LOBBY	D101	FG2	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	HM	PTD			Yes	Yes			
D111A	DISHWASH.	D111	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
D112A	SERVING	D112	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
D112B	SERVING	D112	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
D112C	SERVING	D112	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
D112D	KITCHEN	D116	F	HM	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	SMOKE			Yes			
D113A	TABLE STORAGE	D113	F	WD	FCT	3	7'-6"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
D116A	TOILET	D116	F	HM	FCT	1	2'-6"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
D119A	LOCKERS	D119	F	HM	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
D120A	ELEV. EQUIP.	D120	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	HM	PTD	90 MIN						
D121A	PASSAGE	D121	N	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		No	Yes			
D122A	PASSAGE	D122	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
D123A	PE STORAGE	D123	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
D124A	CUST. STORAGE	D124	F	HM	PTD	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	90 MIN			Yes			
D125A	FOOD STORAGE	D125	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
D126A	CORRIDOR	D126	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	SMOKE			Yes			
D127A	TRASH	CAN WASH D127	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	SMOKE			Yes			
D128A	JC	D128	F	HM		1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	SMOKE			Yes			
D129A	CAFETERIA	D110	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	SMOKE		Yes	Yes	No	No	
D129B	RECEIVING	D129	N	IMS AL	FCT	2	7'-6"	7'-0"	1 3/4"	F1	IMS AL	FCT			Yes	Yes	Yes	No	SEE WINDOW SCHEDULE
D130A	RECEIVING	D129	F	HM	PTD	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	SMOKE			Yes			
D131A	SWITCHGEAR	D131	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	45 MIN		No	Yes	No	No	3
D132A	HOT WATER TANKS	D132	F	HM	PTD	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	45 MIN		No	Yes	No	No	3
D133A	LOBBY	D133	FG2	IMS AL	FCT	2	6'-0"	7'-0"	1 3/4"		IMS AL	FCT			Yes	Yes	Yes	No	SEE WINDOW SCHEDULE
D134A	PE STORAGE	D134	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
D135A	LOBBY	D101	G	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			Yes	Yes			
D135B	LOBBY	D133	G	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			Yes	Yes			
D135C	GYMNASIUM	D135	FG2	IMS AL	FCT	1	3'-0"	7'-0"	1 3/4"		IMS AL	FCT			Yes	Yes	Yes	No	SEE WINDOW SCHEDULE
D135D	GYMNASIUM	D135	FG2	IMS AL	FCT	1	3'-0"	7'-0"	1 3/4"		IMS AL	FCT			Yes	Yes	Yes	No	SEE WINDOW SCHEDULE
D135E	GYMNASIUM	D135	N	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			Yes	Yes			
LEVEL 1.1																			
A12A	COORIDOR	A101	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
A102A	CUSTODIAL STORAGE	A102	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
A103A	ELEV EQUIP	A103	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	90 MIN		No	Yes	No	No	3
A104A	ELECT CLOSET	A104	F	WD	FCT	1	2'-4"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
LEVEL 1.2																			
B102A	CLASSROOM	B102	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B102B	CLASSROOM	B102	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B103A	CLASSROOM	B103	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B103B			FG2	IMS AL	FCT	1	3'-0"	7'-0"	1 3/4"		IMS AL	FCT			No	Yes	No	No	SEE WINDOW SCHEDULE
B104A	STORAGE	B104	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B105A	STORAGE	B105	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B106A	TOILET	B106	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B107A	CLASSROOM	B107	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B107B	CLASSROOM	B107	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B108A	CLASSROOM	B107	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B109A	CLASSROOM	B107	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B111A	CLASSROOM	B111	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B112A	CLASSROOM	B112	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B112B	CLASSROOM	B112	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B112A	CLASSROOM	B112	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B113B	CLASSROOM	B112	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B113C	CLASSROOM	B112	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B114A	CLASSROOM	B112	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B115A	CLASSROOM	B115	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B115B	CLASSROOM	B115	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B116A	BOYS TOILET	C105	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	45 MIN		No	Yes	No	No	3
C15A	CORRIDOR	C100	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
C100B			FG2	IMS AL	FCT	2	6'-0"	7'-0"	1 3/4"		IMS AL	FCT			Yes	Yes	Yes	No	SEE WINDOW SCHEDULE
C102A	ELECT CLOS	C102	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
C103A	JC	C103	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
C104A	GIRLS TOILET	C104	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
C105A	BOYS TOILET	C105	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
C106A	CORRIDOR	C100	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD	45 MIN			Yes			
C106B	ELECTRIC SHOP	C106	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD	45 MIN			Yes			
C107A	DRIVERS EDUCATION	C107	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C107B	DRIVERS EDUCATION	C107	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	45 MINUTE			Yes			
C108A	OFFICE	C108	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
C108A	OFFICE	C109	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	45 MINUTE			Yes			
C110A	CORRIDOR	C100	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD	45 MIN			Yes			
C113A	CORRIDOR	C100	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD	45 MIN			Yes			

OPENING GENERAL NOTES & ABBREVIATIONS

1. SEE DRAWING A601 FOR ADDITIONAL DOOR AND WINDOW NOTES.
2. DOOR FRAME TYPES LISTED AS EXISTING ON SCHEDULE ARE TYPE F1 UNLESS OTHERWISE NOTED. VERIFY IN FIELD.
3. SEE FIRE RATING REQUIREMENTS ON DOOR AND FRAME SCHEDULE FOR GLAZING RATINGS
4. INSPECT AND RELABEL EXISTING HM FRAMES PER FIRE RATING DESIGNATION ON SHEDULE
5. INSTALL NEW GLASS IN BORROWED LIGHTS AND SIDELIGHTS AS REQUIRED FOR SAFETY GLAZING (SEE NOTE BELOW)
6. INSTALL NEW BORROWED LIGHT FIRE RATINGS PER SCHEDULE
7. VERIFY ALL DOOR SIZES AND BORROWED LIGHT AND SIDELIGHT SIZES IN FIELD
8. STOPS FOR GLAZING IN BORROW LITES TO PLACED ON ROOM SIDE TYPICAL.
9. INSTALL WISON SHADES @ ALL INTERIOR DOOR & BORROWED LT. GLASS PLUS EXTERIOR WINDOW SHADES @ ALL EXTERIOR WINDOWS.
10. ALL EXTERIOR HM DOORS AND FRAMES TO BE INSULATED
11. CONTACTS ON ALL EXTERIOR DOORS
12. LOCATIONS AS SPECIFIED SHALL BE CONSIDERED HAZARDOUS, REQUIRING SAFETY GLAZING MATERIALS:
    A) Glazing in all fixed and operable panels of swinging, sliding and bifold doors
    B) Glazing adjacent to a door where the nearest vertical edge of the glazing is within a 24" arc of either edge of the door in a closed position AND where the bottom of the exposed edge of the glazing is less than 60" above the walkingsurface
    C) Glazing in fixed or operable panels of windows that meet ALL of the following requirements:
       1. The exposed area of an individual pane is greater than 9 square feet (0.84 m2).
       2. The bottom edge of the glazing is less than 18 inches (457 mm) above the floor.
       3. The top edge of the glazing is greater than 36 inches (914 mm) above the floor.
       4. One or more walking surface(s) are within 36 inches (914 mm), measured horizontally and in a straight line, of the plane of the glazing.
    D) Glazing in Guards and Railings
    E) Glazing where the bottom exposed edge of the glazing is less than 60 inches above the plane of the adjacent walking surface of stairways, landings between flights of stairs and ramps
    - SEE IBC 2015, Sec 2046.4 FOR ADDITIONAL HAZARDOUS AREAS AND EXCEPTION
13. AS PART OF THE WINDOWS REPLACEMENT INSTALL NEW BRAKE METAL SILLPANS WITH END DAMS. MATCH WINDOW COLOR

GLAZING ABBREVIATIONS

TYPE G-1 - FLOAT GLASS
TYPE G-2 - SAFETY GLAZING
TYPE G-3 - FIRE RESISTANCE-RATED GLAZING (20 MINUTES OR LESS)
TYPE G-4 - FIRE-PROTECTION-RATED GLAZING (45-60 MINUTES)
TYPE G-5 - IMPACT RESISTANT LAMINATED GLASS
TYPE G-6 - BALLISTIC GLASS & FRAME
TYPE G-7 - SPANDREL GLASS
TYPE G-8 - FIRE-PROTECTION-RATED LAMINATED SAFETY GLAZING

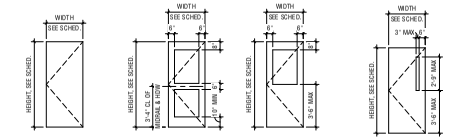
TYPE IG-1 - INSULATING GLASS UNITS: FLOAT GLASS, DOUBLE GLAZED.
TYPE IG-2 - INSULATING GLASS UNITS: SAFETY GLAZING.
TYPE IG-3 - INSULATING GLASS UNITS: FIRE-RESISTAVCE-RATED GLAZING (20 MINUTES OR LESS).
TYPE IG-4 - INSULATING GLASS UNITS: FIRE-PROTECTED RATED GLAZING (45-60 MINUTES - 20 MINUTE SIDELITES WHERE APPLICABLE)
TYPE IG-5 - INSULATING IMPACT RESISTANT LAMINATED GLASS
TYPE IG-6 - INSULATING LAMINATED TRANSLUCENT FROSTED GLAZING
TYPE IG-7 - INSULATED WAPES PANEL OR EQUAL - MATCH FRAME COLOR

ABBREVIATIONS:
ALUM - ALUMINUM-FRAMED STOREFRONT (08 43 13)
HM - HOLLOW METAL FRAMES (08 12 13)
SOW - SOLID CORE WOOD (08 14 16)
SRW - STILE AND RAIL WOOD (08 14 33)
FCT - FACTORY APPLIED FINISH
PTD - PAINTED (09 91 23)

IECC 2015
PER TABLE 402.3 BUILDING ENVELOPE REQUIREMENTS
FENESTRATION (ZONE 6)

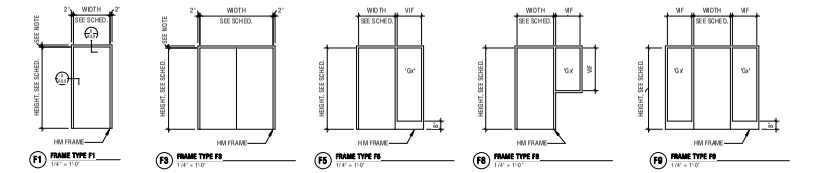
GENERAL DOOR/ WINDOW NOTES

1. SEE CODE PLAN FOR MINIMUM U FACTORS ON ALL EXTERIOR ELEMENTS. ALL ELEMENTS SHALL COMPLY WITH VERMONT ENERGY CODE
2. INTERIOR HOLLOW METAL DOOR FRAMES: STEELCRAFT, AND ALLEGION BRAND HOLLOW METAL 16 GA FULL PROFILE CONTINUOUSLY WELDED, FACTORY PRIMED AND FIELD FINISHED.
3. INTERIOR WOOD DOORS TO BE SOLID CORE, MAPLE, BOOKMATCHED BY VT INDUSTRIES
4. INTERIOR UNINSULATED HOLLOW METAL SYSTEM : STEELCRAFT, AND ALLEGION BRAND HOLLOW METAL 16 GA FULL PROFILE KNOCK DOWN.
5. MISC DOOR HARDWARE: SEE ATTACHED DOOR HARDWARE SPECIFICATION SECTION 08 71 00
6. SECURITY GLAZING - ALL SIDELIGHTS WHERE DOOR IS SECURITY GLAZING. LAMINATED GLASS, 2-PLY, SCHOOL GUARD SGS OR APPROVED EQUAL. SECURITY GLAZING SHALL BE LOCATED AT DOORS AND SIDELIGHTS BELOW 7 FEET OR DOOR HEADER HEIGHT, (WHICHEVER IS HIGHER) AT DOORS 201A AND 201B



F FLUSH 1/4" = 1'-0" | FG2 FULL GLASS W/ MID RAIL 1/4" = 1'-0" | G HALF GLASS 1/4" = 1'-0" | N NARROW LITE 1/4" = 1'-0"

DOOR TYPES



F1 FRAME TYPE F1 1/4" = 1'-0" — HEADER NOTE: 2" TYP./ 4" @ MASONRY: VIF

F3 FRAME TYPE F3 1/4" = 1'-0" — HEADER NOTE: 2" TYP./ 4" @ MASONRY: VIF

F5 FRAME TYPE F5 1/4" = 1'-0" — NOTES: HEADER: 2" TYP./ 4" @ MASONRY: MF

F8 FRAME TYPE F8 1/4" = 1'-0" — HEADER NOTE: 2" TYP./ 4" @ MASONRY: VIF

F9 FRAME TYPE F9 1/4" = 1'-0" — NOTES: HEADER 2" TYP./ 4" @ MASONRY: VIF

FRAME TYPES

banwell ARCHITECTS
THE CARRIAGE HOUSE
6 SOUTH PARK STREET
LEBANON, NH 03766
T: (603) 448 3778

CONSULTANTS / DESIGN TEAM

OWNER:
TWO RIVERS SUPERVISORY UNION
609 VT ROUTE 103
LUDLOW, VT 05149

CONSTRUCTION MANAGER:
ENERGY EFFICIENT INVESTMENTS
19 STAR DRIVE
MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
BANWELL ARCHITECTS, NH
6 SOUTH PARK STREET
LEBANON, NH 03766
T: (603) 448-3778

MEP/FP:

VISUAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
DOOR SCHEDULES & ELEVATIONS

PROJECT NO: 21-006 | DATE: 12-3-2021

SHEET NUMBER:
A601

NEW DOOR AND FRAME SCHEDULE - LEVEL 2 & 3

OPENING NUMBER	ROOM NAME	ROOM NUMBER	DOORS: TYPE	DOORS: MATERIAL	DOORS: FINISH	DOORS: LEAVES	DOORS: WIDTH	DOORS: HEIGHT	DOORS: THICKNESS	FRAMES: TYPE	FRAMES: MATERIAL	FRAMES: FINISH	FIRE RATING	HARDWARE SET	PANIC HARDWARE	CLOSER	CARD READER	ADA OPERATOR	COMMENTS
LEVEL 2																			
107M MM			F	HM	PTD	2	6'-0"	7'-0"	1 3/4"	F1	HM	PTD							
A2A	STAIR	A22	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
A12A	STAIR	A12	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
A12B	STAIR	A12	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
A201A			FG2	INS AL	FCT	2	6'-0"	7'-0"	1 3/4"		INS AL	FCT			Yes	Yes	Yes	No	
A201B			FG2	INS AL	FCT	2	6'-0"	7'-0"	1 3/4"		INS AL	FCT			Yes	Yes	Yes	No	SEE WINDOW SCHEDULE
A203A			FG2	INS AL	FCT	2	6'-0"	7'-0"	1 3/4"		INS AL	FCT			Yes	Yes	Yes	No	SEE WINDOW SCHEDULE
A204A			FG2	INS AL	FCT	1	3'-0"	6'-8"	1 3/4"		INS AL	FCT			Yes	Yes	Yes	No	SEE WINDOW SCHEDULE
A205A	RECEPTION	A205	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F8	EXIST	PTD			No	Yes	No	No	
A206A	RECEPTION	A205	F	WD	FCT	2	5'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A207A	OFFICE	A207	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A208A	OFFICE	A208	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A209A	CONFERENCE RM	A209	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A211A	TOILET	A211	F	WD	FCT	1	2'-8"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
A212A	RECEPT.	A214	F	WD	FCT	2	5'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A213A	WAITING RM.	A213	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F8	EXIST	PTD			No	Yes	No	No	
A215A	ASSIST. PRINC.	A215	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A215B	SECRETARY	A216	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A217A	PRINCIPAL	A217	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A217B	PRINCIPAL	A217	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A218A	RECEPT.	A214	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
A218B	TEACHER OFFICES	A220	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
A218C	TEACHER OFFICES	A220	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
A219A	STORAGE	A219	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
A219B	STORAGE	A219	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
A220A	TEACHER OFFICES	A220	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
A220B	TEACHER OFFICES	A220	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
A221A	MUSIC INST. OFFICE	A221	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F8	EXIST	PTD			No	Yes	No	No	
A222A	JC	A222	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
A223A	JAN	A223	F	WD	FCT	1	2'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
A224A	STORAGE	A224	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
A225A	GIRLS TOILET	A225	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F1	HM	PTD			No	Yes	No	No	
A227A	ELEC CLOS	A227	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
A228A	TOIL.	A228	F	WD	FCT	1	2'-6"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A229A	TEACHER RESTING	A229	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A230A	EXAM. RM.	A230	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A231A	BOYS RESTING	A231	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A232A	TOILET	A232	F	WD	FCT	1	2'-8"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A233A	HEALTH RECEP	A233	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F8	EXIST	PTD			No	Yes	No	No	
A233B	HEALTH RECEP	A233	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A234A	TOILET	A234	F	WD	FCT	1	2'-8"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A235A	GIRLS RESTING	A235	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A236A	STORAGE	A236	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A237A	CORRIDOR	A237	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
A238A	INSTRUMENTAL STOR.	A238	F	WD	FCT	2	5'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
A238B	INSTRUMENTAL STOR.	A238	F	WD	FCT	2	5'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
A238C	INSTRUMENTAL STOR.	A238	F	WD	FCT	2	5'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
A238D	INSTRUMENTAL STOR.	A238	F	WD	FCT	2	5'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
A238E	INSTRUMENTAL STOR.	A238	F	WD	FCT	2	5'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
A239A	CORRIDOR	A203	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	SMOKE		Yes	Yes			
A240A	TOIL.	A240	F	WD	FCT	1	2'-6"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
A241A	TOIL	A241	F	WD	FCT	1	2'-6"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
A242A	PRACTICE	A242	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
A243A	PRACTICE	A243	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
A244A	PRACTICE	A244	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
A245A	CORRIDOR	A239	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	SMOKE		Yes	Yes			
A246A	BAND RM.	A245	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A247A	CORRIDOR	A204	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	SMOKE		Yes	Yes			
A247B	CORRIDOR	A203	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	SMOKE		Yes	Yes			
A247C	CORRIDOR	A203	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	SMOKE		Yes	Yes			
A248A	STAGE	A248	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A248B	STAGE	A248	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A248C			F	INS AL	FCT	2	6'-0"	7'-0"	1 3/4"		INS AL	FCT			Yes	Yes	Yes	No	SEE WINDOW SCHEDULE
A249A			F	INS AL	FCT	2	6'-0"	7'-0"	1 3/4"		INS AL	FCT			Yes	Yes	Yes	No	SEE WINDOW SCHEDULE
A250A	ELECT. CLOS	A250	F	WD	FCT	1	2'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
A251A	STAGE STORAGE	A251	F	WD	FCT	2	8'-0"	7'-0"	1 3/4"	F1	HM	PTD	20 MIN		No	Yes	No	No	
A251B	STAGE STORAGE	A251	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F1	HM	PTD	20 MIN		No	Yes	No	No	
B200A	LOBBY	A201	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	F9	EXIST	PTD	SMOKE		Yes	Yes	No	No	
B201A			FG2	INS AL	FCT	2	6'-0"	7'-0"	1 3/4"		INS AL	FCT			Yes	Yes	Yes	No	SEE WINDOW SCHEDULE
B202A	STORAGE	B202	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
B202B	STORAGE	B202	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
B203A	SCIENCE	B203	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B204A	SPEC. PROJ.	B204	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B204B	SPEC. PROJ.	B204	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B205A	STORAGE	B205	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
B206A	SCIENCE	B206	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B206B	SCIENCE	B206	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B207A	SCIENCE	B207	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B208A	TOILET	B208	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F1	HM	PTD			No	Yes	No	No	
B209A	STORAGE	B209	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
B210A	SCIENCE	B206	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B210B	SPEC. PROJ.	B210	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B211A	SPEC. PROJ.	B211	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B211B	SCIENCE	B213	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B212A	STORAGE	B212	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
B213A	CORRIDOR	B200	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B214A	CORRIDOR	B200	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B215A	BOYS TOILET	B215	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
B312C			F	HM	PTD	2	6'-0"	7'-0"	1 3/4"	F1	HM	PTD							
C12A	STAIR	C12	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
C12B	LOBBY	A201					8'-0"	7'-0"	0"										
C22A	STAIR	C22	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
C201A	ELECT CLO	C201	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
C202A	JC	C202	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
C203A	STUDENT AREA	B201	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
C204A	BOYS TOILET	C204	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
C205A	CLASSROOM	C205	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C205B	CLASSROOM	C205	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
C206A	CLASSROOM	C206	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C206B	CLASSROOM	C206	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
C207A	STORAGE	C207	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
C207B	STORAGE	C207	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
C208A	CORRIDOR	C200	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C208B	CLASSROOM	C208	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
C209A	CLASSROOM	C209	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C210A	CLASSROOM	C210	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C211A	CLASSROOM	C211	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C211B	CLASSROOM	C211	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
C212A	CLASSROOM	C212	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C212B	CLASSROOM	C212	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
C213A	CLASSROOM	C213	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C213B	CLASSROOM	C213	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
C214A	CORRIDOR	C214	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	F9	EXIST	PTD	SMOKE		Yes	Yes	No	No	

NEW DOOR AND FRAME SCHEDULE - LEVEL 2 & 3

OPENING NUMBER	ROOM NAME	ROOM NUMBER	DOORS: TYPE	DOORS: MATERIAL	DOORS: FINISH	DOORS: LEAVES	DOORS: WIDTH	DOORS: HEIGHT	DOORS: THICKNESS	FRAMES: TYPE	FRAMES: MATERIAL	FRAMES: FINISH	FIRE RATING	HARDWARE SET	PANIC HARDWARE	CLOSER	CARD READER	ADA OPERATOR	COMMENTS
D201A	CORRIDOR	D201	N	WD	FCT	2	6'-0"	7'-0"	1 3/4"	F1	HM	PTD	90 MIN		Yes	Yes	No	No	
D201B	LOBBY	A201	FG2	INS AL	FCT	1	3'-0"	7'-0"	1 3/4"		EXIST	EXIST			Yes	Yes			
D202A	NURSE	D202	G	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	HM	PTD			No	Yes	No	No	SIDELIGHT WIDTH TO MATCH EXIST CLASSROOMS
D203A	NURSE OFFICE	D203	G	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F1	HM	PTD							
D204A	TOILET	D204	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F1	HM	PTD							
D205A	GUIDANCE	D205	G	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F1	HM	PTD							
D206A	GUIDANCE RECEPTION	D206	G	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F1	HM	PTD			No	Yes	No	No	SIDELIGHT WIDTH TO MATCH EXIST CLASSROOMS
D207A	GUIDANCE	D207	G	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F1	HM	PTD							
D208A	GUIDANCE	D208	G	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F1	HM	PTD							
D209A	STORAGE	D209	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F1	HM	PTD	20 MIN			Yes			
D210A	OFFICE	D210	G	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	HM	PTD			No	Yes	No	No	SIDELIGHT WIDTH TO MATCH EXIST CLASSROOMS
D216A	LOBBY	D216	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	SMOKE		Yes	Yes			
D217A	STORAGE	D217	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
D219A	ELECT CLOSET	D219	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
D220A	JC	D220	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
D221A	BOYS TOILET	D221	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	3
D222A	BOYS TOILET	D222	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	3
D227A	BOYS LOCKER RM.	D227	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	3
D228A	BOYS LOCKER RM.	D228	F	HM	PTD	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	3
D230A	LOBBY	D238	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
D231A	OFFICE	D231	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
D232A	TOILET	D232	F	WD	FCT	1	2'-8"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
D233A	VEST.	D233	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	Yes	No	No	
D234A	LOCKER RM.	D234	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
D235A	TOIL.	D235	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
D237A	STORAGE	D237	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
D238A	LOBBY	D238	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	SMOKE		Yes	Yes			
D240A	LIFT	D109	N	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
D240C	LIFT	D109	N	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		No	Yes			
LEVEL 3																			
A13A	STAIR	A12	F	WD	FCT	1	2'-10"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
A23A	STAIR	A23	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
A302A	A/V ROOM	A302	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD							F5 SIM. REPLACE BOTH SIDELIGHTS
A303A	LIBRARY WORK RM.	A303	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD							
A304A	LIBRARY	A304	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A304B	LIBRARY LOUNGE	A301	FG2	ALUM	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	EXIST			Yes	Yes			
A306A	GIRLS TOILET	A306	F	WD	FCT	1	2'-10"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
A307A	ELEC. CLOS.	A307	F	WD	FCT	1	2'-10"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
A308A	FACULTY OFFICES	A308	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A309A	PASSAGE	A309	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A310A	TOIL	A310	F	WD	FCT	1	2'-4"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
A311A	TOIL	A311	F	WD	FCT	1	2'-4"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
A312A	JC	A312	F	WD	FCT	1	2'-4"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
A313A	PROJ. BOOTH	A313	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
A314A	TEACHING PREP	A314	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A315A	CONFERENCE	A315	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A316A	DIAL RETRIEVAL	A316	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
A317A	STORAGE	A317	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	20 MIN		No	Yes	No	No	
A318A	FACULTY OFFICES	A318	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A318B	FACULTY OFFICES	A318	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
A319A	STORAGE	A319	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B300A	CORRIDOR	B300	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	F9	EXIST	PTD	SMOKE		Yes	Yes	No	No	
B302A	CLASSROOM	B302	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B302B	CLASSROOM	B302	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B303A	CLASSROOM	B303	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B306A	CLASSROOM	B306	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B307A	CLASSROOM	B307	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B307B	CLASSROOM	B307	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B308A	CLASSROOM	B310	N	EXIST	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	HM	PTD			No	No	No	No	
B309A	CLASSROOM	B306	N	EXIST	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	HM	PTD			No	No	No	No	
B310A	CLASSROOM	B310	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B310B	CLASSROOM	B310	N	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B311A	CORRIDOR	B300	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B311B	CLASSROOM	B311	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B312A	CR ALCOVE	B312	N	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B312B	CLASSROOM	B317	N	EXIST	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	HM	PTD			No	No	No	No	
B313A	CLASSROOM	B311	N	EXIST	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	HM	PTD			No	No	No	No	
B314A	CLASSROOM	B314	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B314C	CLASSROOM	B314	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
B317A	CORRIDOR	B300	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
B318A	VESTIBULE.	B301	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F9	EXIST	PTD			No	No	No	No	
B414B	CLASSROOM	B314	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C13A	STAIR	C13	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
C23A	STAIR	C23	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD	60 MIN		Yes	Yes			
C301A	ELECT CLOS	C301	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
C302A	JC	C302	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
C304A	BOYS TOIL.	C304	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD				Yes			
C305A	CLASSROOM	C305	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C305B	CLASSROOM	C305	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C305C	CLASSROOM	C305	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
C308A	CORRIDOR	C300	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C308B	CORRIDOR	C300	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C308C	CLASSROOM	C308	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
C311A	CLASSROOM	C311	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C312A	CORRIDOR	C300	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C312B	CLASSROOM	C312	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
C313A	CLASSROOM	C313	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C313B	CLASSROOM	C313	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
C314A	CORRIDOR	C300	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C314B	CORRIDOR	C316	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C315A	CLASSROOM	C315	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	F5	EXIST	PTD			No	No	No	No	
C315B	CLASSROOM	C315	F	WD	FCT	1	3'-0"	7'-0"	1 3/4"	EXIST	EXIST	PTD			No	No	No	No	
C316A	CORRIDOR	C316	F	WD	FCT	2	6'-0"	7'-0"	1 3/4"	F9	EXIST	PTD	SMOKE		Yes	Yes	No	No	

OPENING GENERAL NOTES & ABBREVIATIONS

1. SEE DRAWING A601 FOR ADDITIONAL DOOR AND WINDOW NOTES.
2. DOOR FRAME TYPES LISTED AS EXISTING ON SCHEDULE ARE TYPE F1 UNLESS OTHERWISE NOTED. VERIFY IN FIELD.
3. SEE FIRE RATING REQUIREMENTS ON DOOR AND FRAME SCHEDULE FOR GLAZING RATINGS
4. INSPECT AND RELABEL EXISTING HM FRAMES PER FIRE RATING DESIGNATION ON SHEDULE
5. INSTALL NEW GLASS IN BORROWED LIGHTS AND SIDELIGHTS AS REQUIRED FOR SAFETY GLAZING (SEE NOTE BELOW)
6. INSTALL NEW BORROWED LIGHT FIRE RATINGS PER SCHEDULE
7. VERIFY ALL DOOR SIZES AND BORROWED LIGHT AND SIDELIGHT SIZES IN FIELD
8. STOPS FOR GLAZING IN BORROW LITES TO PLACED ON ROOM SIDE TYPICAL
9. INSTALL VISION SHADES @ ALL INTERIOR DOOR & BORROWED LT. GLASS PLUS EXTERIOR WINDOW SHADES @ ALL EXTERIOR WINDOWS.
10. ALL EXTERIOR HM DOORS AND FRAMES TO BE INSULATED
11. CONTACTS ON ALL EXTERIOR DOORS
12. LOCATIONS AS SPECIFIED SHALL BE CONSIDERED HAZARDOUS, REQUIRING SAFETY GLAZING MATERIALS:
   A) Glazing in all fixed and operable panels of swinging, sliding and bifold doors
   B) Glazing adjacent to a door where the nearest vertical edge of the glazing is within a 24" arc of either edge of the door in a closed position AND where the bottom of the exposed edge of the glazing is less than 60" above the walking surface
   C) Glazing in fixed or operable panels of windows that meet ALL of the following requirements:
      1. The exposed area of an individual pane is greater than 9 square feet (0.84 m2).
      2. The bottom edge of the glazing is less than 18 inches (457 mm) above the floor.
      3. The top edge of the glazing is greater than 36 inches (914 mm) above the floor.
      4. One or more walking surface(s) are within 36 inches (914 mm), measured horizontally and in a straight line, of the plane of the glazing.
   D) Glazing in Guards and Railings
   E) Glazing where the bottom exposed edge of the glazing is less than 60 inches above the plane of the adjacent walking surface of stairways, landings between flights of stairs and ramps
   - SEE IBC 2015, Sec 2046.4 FOR ADDITIONAL HAZARDOUS AREAS AND EXCEPTION
7. AS PART OF THE WINDOWS REPLACEMENT INSTALL NEW BRAKE METAL SILL PANS WITH END DAMS. MATCH WINDOW COLOR

GLAZING ABBREVIATIONS

TYPE G-1 - FLOAT GLASS
TYPE G-2 - SAFETY GLAZING
TYPE G-3 - FIRE-RESISTANCE-RATED GLAZING (20 MINUTES OR LESS)
TYPE G-4 - FIRE-PROTECTION-RATED GLAZING (45-60 MINUTES)
TYPE G-5 - IMPACT RESISTANT LAMINATED GLASS
TYPE G-6 - BALLISTIC GLASS & FRAME
TYPE G-7 - SPANDREL GLASS
TYPE G-8 - FIRE-PROTECTION-RATED LAMINATED SAFETY GLAZING

TYPE IG-1 - INSULATING GLASS UNITS: FLOAT GLASS, DOUBLE GLAZED.
TYPE IG-2 - INSULATING GLASS UNITS: SAFETY GLAZING.
TYPE IG-3 - INSULATING GLASS UNITS-FIRE-RESISTANCE-RATED GLAZING (20 MINUTES OR LESS)
TYPE IG-4 - INSULATING GLASS UNITS-FIRE-PROTECTED RATED GLAZING (45-60 MINUTES - 20 MINUTE SIDELITES WHERE APPLICABLE)
TYPE IG-5 - INSULATING IMPACT RESISTANT LAMINATED GLASS
TYPE IG-6 - INSULATING LAMINATED TRANSLUCENT FROSTED GLAZING
TYPE IG-7 - INSUTATED MAPES PANEL OR EQUAL - MATCH FRAME COLOR

ABBREVIATIONS:

ALUM - ALUMINUM-FRAMED STOREFRONT (08 43 13)
HM - HOLLOW METAL FRAMES (08 12 13)
SCW - SOLID CORE WOOD (08 14 16)
SRW - STILE AND RAIL WOOD (08 14 33)
FCT - FACTORY APPLIED FINISH
PTD - PAINTED (09 91 23)

IECC 2015

PER TABLE 502.3 BUILDING ENVELOPE REQUIREMENTS:
FENESTRATION (ZONE 6)

banwell ARCHITECTS
THE CARRIAGE HOUSE
6 SOUTH PARK STREET
LEBANON, NH 03766
T: 603 448 3778

CONSULTANTS / DESIGN TEAM:

OWNER:
TWO RIVERS SUPERVISORY UNION
609 VT ROUTE 103
LUDLOW, VT 05149

CONSTRUCTION MANAGER:
ENERGY EFFICIENT INVESTMENTS
19 STAR DRIVE
MERRIMACK, NH 03054

CIVIL:

STRUCTURAL:

ARCHITECT:
BANWELL ARCHITECTS, NH
6 SOUTH PARK STREET
LEBANON, NH 03766
T: (603) 448-3778

MEP/FP:

VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

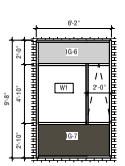
PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

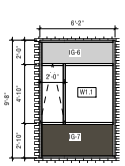
DRAWING TITLE:
DOOR SCHEDULES

PROJECT NO: 21-806 DATE: 12-3-2021

SHEET NUMBER:
A602



W1 W1 Scale: 1/4" = 1'-0"



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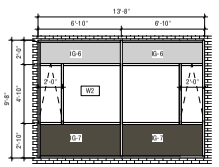
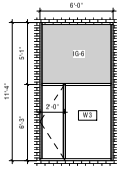


W2 W2 Scale: 1/4" = 1'-0"



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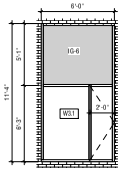
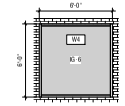


W3.1 W3.1 Scale: 1/4" = 1'-0"



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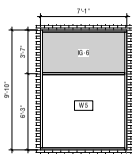

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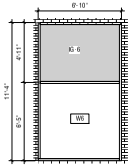
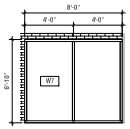


W6 W6 Scale: 1/4" = 1'-0"



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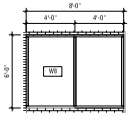

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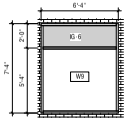

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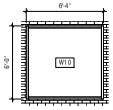

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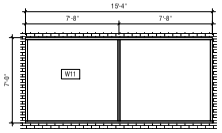

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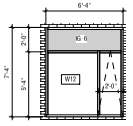

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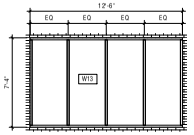
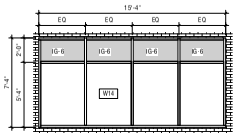


W13 W13 Scale: 1/4" = 1'-0"



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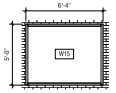

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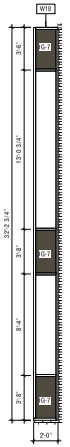
W16 W16 Scale: 1/4" = 1'-0"

W17 W17 Scale: 1/4" = 1'-0"



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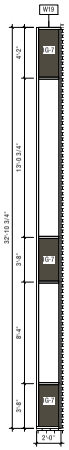

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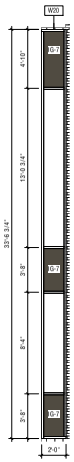

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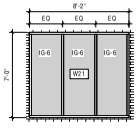

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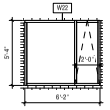

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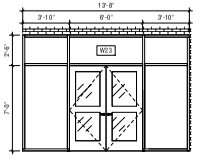

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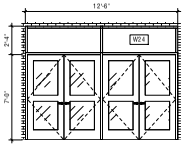

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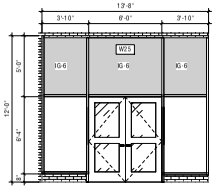

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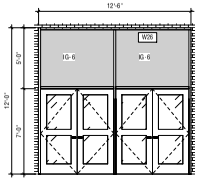

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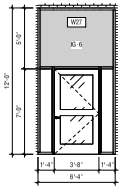

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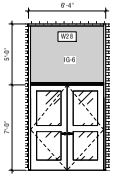

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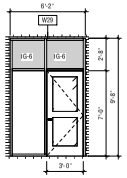

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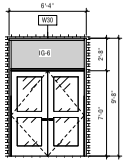

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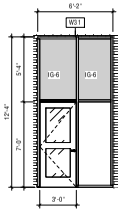

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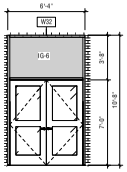

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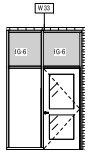

W33 W33 Scale: 1/4" = 1'-0"

OPENING GENERAL NOTES & ABBREVIATIONS

1. SEE DRAWING A601 FOR ADDITIONAL DOOR AND WINDOW NOTES.
2. DOOR FRAME TYPES LISTED AS EXISTING ON SCHEDULE ARE TYPE F1 UNLESS OTHERWISE NOTED. VERIFY IN FIELD.
3. SEE FIRE RATING REQUIREMENTS ON DOOR AND FRAME SCHEDULE FOR GLAZING RATINGS
4. INSPECT AND REJAMB, EXISTING HM FRAMES PER FIRE RATING DESIGNATION ON SHEDULE
5. INSTALL NEW GLASS IN 8 BORROWED LIGHTS AND SIDELIGHTS AS REQUIRED FOR SAFETY GLAZING (SEE NOTE BELOW)
6. INSTALL NEW BORROWED LIGHT FIRE RATINGS PER SCHEDULE
7. VERIFY ALL DOOR SIZES AND BORROWED LIGHT AND SIDELIGHT SIZES IN FIELD
8. STOPS FOR GLAZING IN BORROWLITES TO PLACED ON ROOM SIDE TYPICAL
9. INSTALL VISION SHADES @ ALL INTERIOR DOOR & BORROWED LT. GLASS PLUS EXTERIOR WINDOW SHADES @ ALL EXTERIOR WINDOWS.
10. ALL EXTERIOR HM DOORS AND FRAMES TO BE INSULATED
11. CONTACTS ON ALL EXTERIOR DOORS
12. LOCATIONS AS SPECIFIED SHALL BE CONSIDERED HAZARDOUS, REQUIRING SAFETY GLAZING MATERIALS:
   A) Glazing in all fixed and operable panels of swinging, sliding and bifold doors
   B) Glazing adjacent to a door where the nearest vertical edge of the glazing is within a 24" arc of either edge of the door in a closed position AND where the bottom of the exposed edge of the glazing is less than 60" above the walking surface
   C) Glazing in fixed or operable panels of windows that meet ALL of the following requirements:
      1. The exposed area of an individual pane is greater than 9 square feet (0.84 m2).
      2. The bottom edge of the glazing is less than 18 inches (457 mm) above the floor.
      3. The top edge of the glazing is greater than 36 inches (914 mm) above the floor.
      4. One or more walking surface(s) are within 36 inches (914 mm), measured horizontally and in a straight line, of the plane of the glazing.
   D) Glazing in Guards and Railings
   E) Glazing where the bottom exposed edge of the glazing is less than 60 inches above the plane of the adjacent walking surface of stairways, landings between flights of stairs and ramps
   - SEE IBC 2015, Sec 2406.4 FOR ADDITIONAL HAZARDOUS AREAS AND EXCEPTION
7. AS PART OF THE WINDOWS REPLACEMENT INSTALL NEW BRAKE METAL SILL PANS WITH END DAMS. MATCH WINDOW COLOR

ABBREVIATIONS:
ALUM - ALUMINUM-FRAMED STOREFRONT (08 43 13)
HM - HOLLOW METAL FRAMES (08 12 13)
SOW - SOLID CORE WOOD (08 14 16)
SRW - STILE AND RAIL WOOD (08 14 33)
FCT - FACTORY APPLIED FINISH
PTD - PAINTED (09 91 23)

IECC 2015
PER TABLE 502.3 BUILDING ENVELOPE REQUIREMENTS:
FENESTRATION (ZONE 6)

GLAZING ABBREVIATIONS

TYPE G-1 - FLOAT GLASS
TYPE G-2 - SAFETY GLAZING
TYPE G-3 - FIRE-RESISTANCE-RATED GLAZING (20 MINUTES OR LESS)
TYPE G-4 - FIRE-PROTECTION RATED GLAZING (45-60 MINUTES)
TYPE G-5 - IMPACT RESISTANT LAMINATED GLASS
TYPE G-6 - BALLISTIC GLASS & FRAME
TYPE G-7 - SPANDREL GLASS
TYPE G-8 - FIRE-PROTECTION RATED LAMINATED SAFETY GLAZING

TYPE IG-1 - INSULATING GLASS UNITS FLOAT GLASS, DOUBLE GLAZED.
TYPE IG-2 - INSULATING GLASS UNITS SAFETY GLAZING.
TYPE IG-3 - INSULATING GLASS UNITS-FIRE-RESISTANCE-RATED GLAZING (20 MINUTES OR LESS)
TYPE IG-4 - INSULATING GLASS UNITS-FIRE-PROTECTED RATED GLAZING (45-60 MINUTES - 20 MINUTE SIDELITES WHERE APPLICABLE)
TYPE IG-5 - INSULATING IMPACT RESISTANT LAMINATED GLASS
TYPE IG-6 - INSULATING LAMINATED TRANSLUCENT FROSTED GLAZING
TYPE IG-7 - INSULATED MAPES PANEL OR EQUAL - MATCH FRAME COLOR

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CONSULTANTS / DESIGN TEAM

OWNER:
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609 VT ROUTE 103
LUDLOW, VT 05149

CONSTRUCTION MANAGER:
ENERGY EFFICIENT INVESTMENTS
19 STAR DRIVE
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CIVIL:

STRUCTURAL:

ARCHITECT:
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T: (603) 448-3778

MEP/FP:

VISUAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEYPLAN & NORTH ARROW:

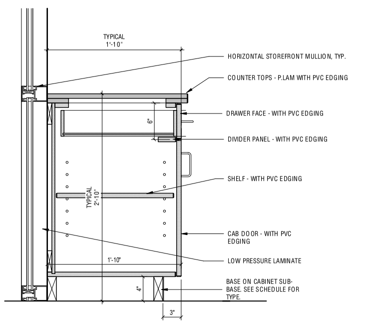
PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
EXTERIOR DOOR & WINDOW TYPES

PROJECT NO: 21-006 | DATE: 12-3-2021

SHEET NUMBER:
A603



BC1

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MEP/FP:

VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
GREEN MOUNTAIN UNION HIGH SCHOOL
716 VT-103, Chester, VT 05143

ISSUED:
Pre-Bond Pricing

DRAWING TITLE:
CASEWORK

PROJECT NO: 21-806 | DATE: 12-3-2021

SHEET NUMBER:
A710

Appendix B – GMUHS Assessment (8 Pages)

April 6, 2021

Mike Davey
Energy Efficient Investments
19D Star Drive
Merrimack, NH 03054

Facility Observations for the Green Mountain Union High School

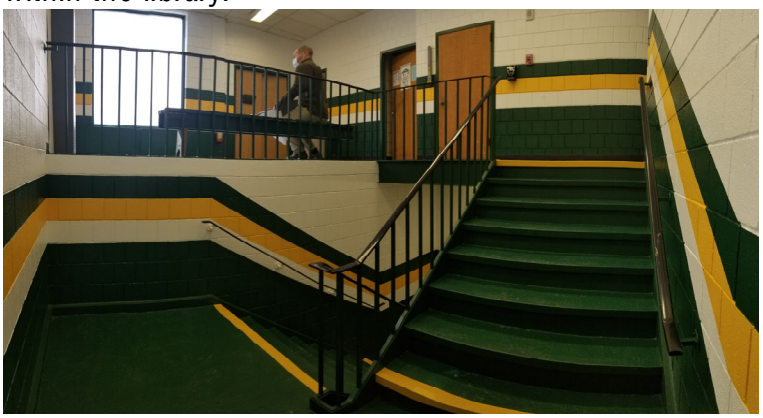
Banwell Architects has prepared this analysis of the facility based on site observations and discussions with facility staff. See existing notated plans that accompany this report.

Life safety observations: Please note that a full code review has not been performed.

1. The building is not currently protected by a sprinkler system. The largest floor is approximately 54,000 sf which exceeds the building size limitations of the IBC. The size restriction for the Assembly occupancies (most restrictive use) is 9,500 based on a type 2B building (Table 506.2, IBC 2015). The size restriction for Educational is 14,500 sf based on a type 2B building. This is only pointing out that the building is oversized for it's use and does not indicate that the installation of a sprinkler system will be required. However, the state fire marshal may require a sprinkler system based on the extent of the renovation.
   Our recommendation would be to sprinkler the building to bring it into compliance. Installing a sprinkler system will address other concerns listed throughout this report including lessened door fire ratings at circulation areas and compliant egress from internal stairwells for example.
2. Fire rating requirements vary based on whether a sprinkler system is present in the building. In the current arrangement without a sprinkler system, the following requirements will need to be verified:
   a. Hazardous spaces require a 1-hour fire rating including Boiler and furnace rooms, storage of combustible materials, janitors' closets, laundries, maintenance shops.
   b. Exit enclosures and vertical openings require a 1-hour fire rating.
   c. Corridors require a ½ hour rating.
3. The elevator controls are in need of upgrading which may trigger further improvements.

4. Stair guardrails and handrails appeared to not meet requirements for height, hand rail graspability and baluster spacing.

5. Both egress stairs in the gym wing are not in fire rated enclosures. Due to the layout this may be infeasible to do but suggest a conversation with Fire chief/ inspector on how to address.
   Also, since these stairs exit through the street floor on the level below and the building is not sprinkled the rating should continue from the stairs to the exit doors which is not the currently the case. The same issue occurs at lower level egress from the stairwell located within the library.

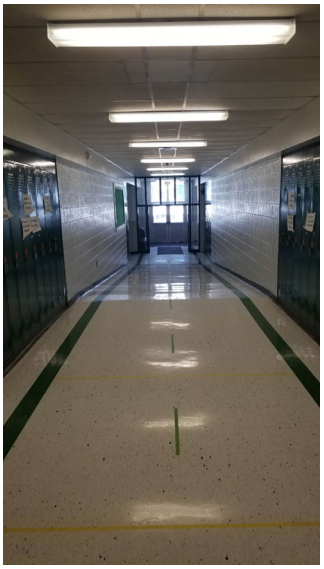


6. Since the building does not have a sprinkler system, emergency windows from the classrooms may be required if the exceptions of section 15.2.11.1.1 (NFPA 2015) are not met. The classrooms on the north side of the lower level classroom wing appear to be non-compliant since there are no windows in those class rooms.

Accessibility observations: Please note that a full code review has not been performed.

a. There is a lack of accessible bathrooms. Recommend converting some of the bathrooms to be accessible. A minimum plumbing fixture count related to occupancy has not been confirmed. See plan notes.
b. There is a lack of accessible 34" high counter heights/sinks where others are provided throughout the facility.
c. There did not appear to be any accessible drinking fountains. Code requires no fewer and two (one standard & one accessible) or one "hi-lo" drinking fountain (an accessible/standard combination unit).

d. Ramps lack handrails. See notes on plans.



e. Stage is not accessible.

<u>Suggested work by architectural related divisions:</u>
Div. 3: Add exterior concrete slab that is flush with threshold. Regrade as required.

Div. 4:

Facility director noted masonry repair/repointing needed in several areas. The following are areas observed:

Brick failure 1:

Brick failure 2:

Brick failure 3:

Brick failure 4:

Brick failure 5:

Brick failure 6:

Div. 5:

a. Misc. metals: Replace/add handrails (609 lf) and guardrails (449 lf) at stairs and where also noted on plans (see A23 for extent).
b. Lintel observed needing repair

Div. 6:

a. Casework: replace metal casework on exterior walls. There is a lack of accessible 34" high counter heights/sinks where other are provided throughout the facility. Suggest another meeting to define scope.

Div. 7:

a. It's our understanding that the roofs were recently replaced and there are no insulation upgrades planned as part of this project. It was brought to our attention there are plans to install PV panels on the existing roofs. Recommend having a structural engineer evaluate the structure to accommodate the weight of the panels.
b. Upon inspection it appears rated walls are CMU that extend to the deck above. Recommend an allowance to firestop openings in rated wall locations when existing ceilings are removed.
c. Replace all damaged sills as part of window replacement. This one observed at cafeteria:

Div. 8:

a. Replace all exterior windows and entrances with aluminum windows and storefronts.
   Exterior Aluminum doors: (12) Double doors, (7) Single doors.
   Window/storefront openings: 9,680 sf of glazing spread out over 135 openings. See plans for sizes
b. Replace select windows with Kalwall where shown on elevations.
   Kalwall openings: 589 sf spread out over 12 openings. See plans for sizes.
c. Interior flush wood doors appeared to be in poor shape. Suggest replacing all doors and replacing wire glass with tempered glazing throughout the school.
   Approximate count of doors to be replaced. 1 hour doors: 66. 30 min. doors: 91. Non-rated doors: 138.
   Please note that the rating requirements are lessened if a sprinkler system is installed. Corridor doors can be non-rated as opposed to 30 minutes. There is a difference in cost when comparing rated glazing in the door and sidelights as opposed to standard tempered safety glazing.

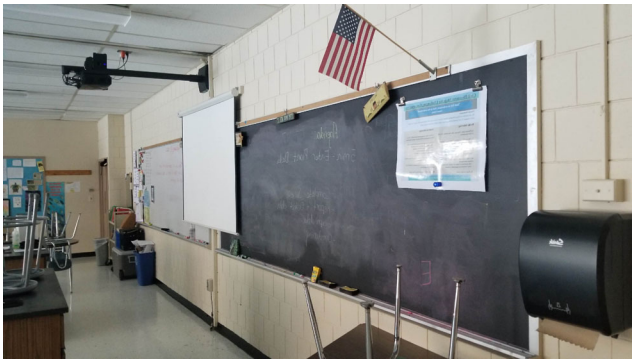
d. Replace all door hardware and keying system throughout.
e. Replace wire glass with 20 minute fire rated safety glazing throughout school. If sprinkler system is put in place the glazing can be replaced with non-rated tempered safety glazing. Approximate sf of wire glass: 700 sf

Div.9:

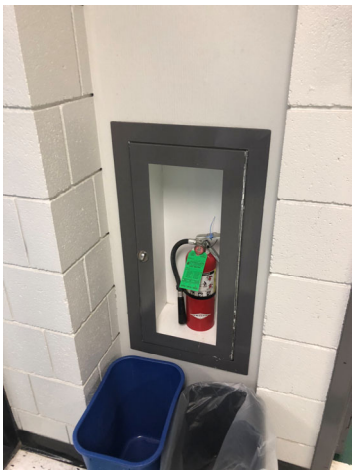
a. Replace acoustic ceiling tiles throughout (see plans for approximate areas).
b. Replace asbestos tile with VCT unless otherwise noted (see plans for approximate areas). Patch VCT where all unit ventilators removed. Suggesting rubber flooring at the cafeteria.

Div. 10:

a. Replace existing chalk boards with marker boards (quantity not verified).



b. Replace fire extinguisher cabinets throughout.



c. Replace gym wall mats.

Div. 11:

a. Replace equipment in kitchen such as the freezer, grease traps, range & mixer. Recommend having a kitchen supplier review on site.

Div. 14:

a. Add lift to access stage

Sincerely,

Jeremiah Goulet
Registered Architect

Appendix C – CAES Assessment (5 pages)

April 6, 2021

Mike Davey
Energy Efficient Investments
19D Star Drive
Merrimack, NH 03054

Facility Observations for the Chester-Andover Elementary School.

Banwell Architects has prepared this analysis of the facility based on site observations and discussions with facility staff. See existing notated plans that accompany this report. Please note there are several discrepancies with these plans and field conditions. Several partitions are inaccurately represented or missing. Plumbing fixtures and casework is not represented. We did not gain access or review the modular building behind the school.

Life safety observations: Please note that a full code review has not been performed.

1. The building is not currently protected by a sprinkler system. The largest floor is approximately 49,200 sf which exceeds the building size limitations of the IBC. The size restriction for the Assembly occupancies (most restrictive use) is 9,500 sf based on a type 2B building (Table 506.2, IBC 2015). The size restriction for Educational is 14,500 sf based on a type 2B building. This is only pointing out that the building is oversized for it's use and does not indicate that the installation of a sprinkler system will be required. However, the state fire marshal may require a sprinkler system based on the extent of the renovation.
   Our recommendation would be to sprinkler the building. Installing a sprinkler system will address other concerns listed throughout this report including lessened door fire ratings at circulation areas.

2. There are a couple areas that are not consistent with a non-combustible building type (type 2B). Specifically, wood framed (type 5B) areas such as the maintenance shed in the north-west corner of the building. We also noticed wood framed walls/floors located on the stage and walls in the nurse's office. The presence of combustible construction in this school without sprinkler coverage is a concern. Recommend a discussion with the fire chief/ building inspector.

3. Fire rating requirements vary based on whether a sprinkler system is present in the building. In the current arrangement without a sprinkler system, the following requirements will need to be verified:
    a. Hazardous spaces require a 1-hour fire rating including Boiler and furnace rooms, storage of combustible materials, janitors' closets, laundries, maintenance shops. We observed the wood framed storage walls on the stage are not only unrated but are also not enclosed. There are also wood framed floors above the stage accessed by a pull-down ladder for additional storage which we believe to be a hazard.

    b. Corridors require a ½ hour rating.
4. Since the building does not have a sprinkler system, emergency windows from the classrooms may be required if the exceptions of section 15.2.11.1.1 (NFPA 2015) are not met.

Accessibility observations: Please note that a full code review has not been performed.

a. The nurse's office does not have an accessible bathroom and shower. A minimum plumbing fixture count related to occupancy has not been confirmed. See plan notes.
b. There did not appear to be any accessible drinking fountains. Code requires no fewer and two (one standard & one accessible) or one "hi-lo" drinking fountain (an accessible/standard combination unit).
c. Stage is not accessible
d. There are no concrete landings flush with door thresholds at classroom exit doors.

Suggested work by architectural related divisions:

Div. 3:

a) Add frost protected concrete landings flush with door thresholds at classroom exit doors. (6) locations, 5'x5' pad with 2 steps/handrails.

Div. 4:

a. Existing brick has not been inspected for repointing needs.

Div. 5:

a. Misc. metals: Replace handrails at stairs leading to stage

Div. 6:

a. Casework appeared to be in fair condition. Suggest a meeting to define scope.

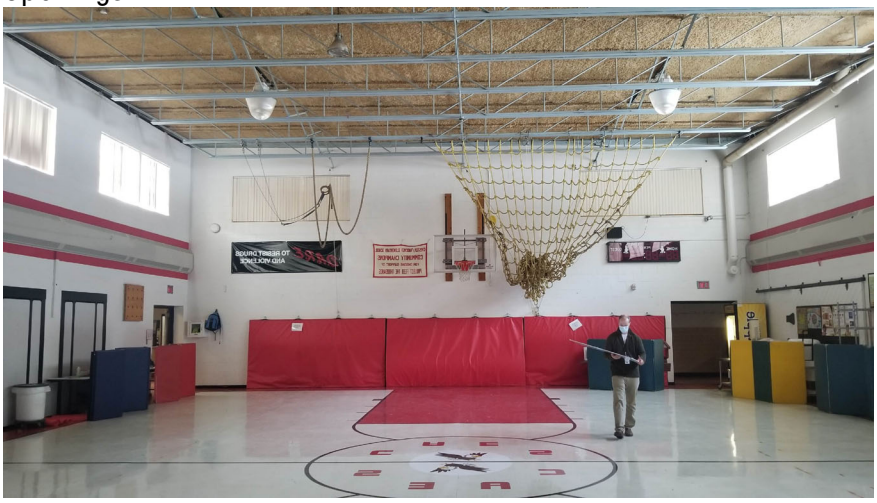
Div. 7:

a. Roof condition unknown.
b. Upon inspection it appears rated walls are CMU that extend to the deck above. Recommend an allowance to firestop openings in rated wall locations when existing ceilings are removed.

Div. 8:

a. Windows appear to be single pane and original to the building. Recommend replacing all exterior windows with aluminum windows. Please note that the plans we received have not been thoroughly verified to confirm existing conditions (typical windows are 7'-4" high unless otherwise noted, see widths on plans). One design option could be a storefront system with vents down low and insulated Mapes panels up high. Approximately 3,759 sf of windows spread out over 309 openings. Approximately 700 sf of Mapes insulated panels spread out over 90 openings.

b. Replace high gym windows with Kalwall. Approximately 1,600 sf spread out over 10 openings.



c. Interior flush wood doors appeared to be in poor shape. Suggest replacing all doors and replacing wire glass with tempered glazing throughout the school.

d. Exterior doors appeared to be in fair condition.
e. Replace all door hardware and keying system throughout.

Div.9:

a. Typical carpet throughout in classrooms/hallways appeared to be in fair condition. The principal inquired about hard flooring vs. carpet.
b. Replace acoustic ceiling tiles throughout (approx. 40,000 sf).

c. Replace VCT with a vinyl sports floor in the gym (approx. 4,660 sf)

Div. 11:

a. Recommend having a kitchen supplier review kitchen equipment on site.

Div. 14:

a. Add lift to access stage

Sincerely,

Jeremiah Goulet
Registered Architect

Appendix D - Equipment sheet Propane Boiler (16 pages)

Technical Data Manual

Model Nos. and pricing : See Price List

VITOCROSSAL 200

Gas-fired Condensing Boiler
663 to 1112 MBH (194 to 326 kW)

Product may not be exactly as illustrated.

Vitocrossal 200

CM2 Series 186, 246, 311

High efficiency, gas-fired condensing boiler with pre-mix modulating cylinder burner
for natural gas or liquid propane gas with Inox-Crossal heat exchanger made of high-grade SA 240-316 Ti stainless steel.
For operation without low limit on boiler return water temperature.
For closed loop hot water heating systems with maximum supply water temperatures of 210°F (99°C) for a maximum operating pressure of 75 psig.

Heating input: 663 to 1112 MBH
(194 to 326 kW)

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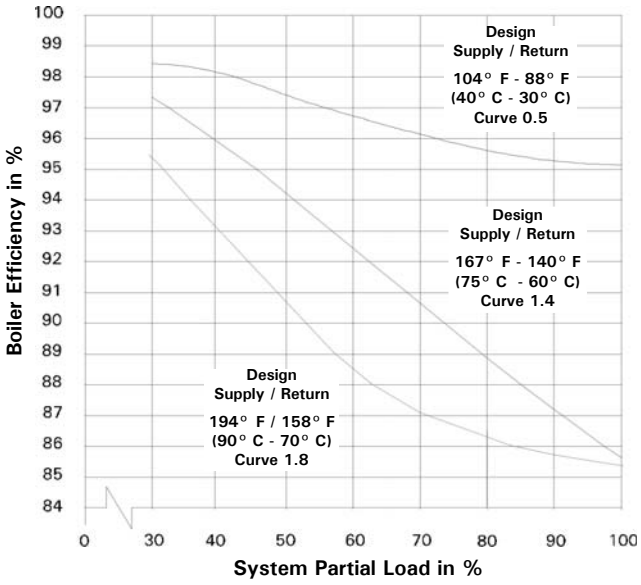
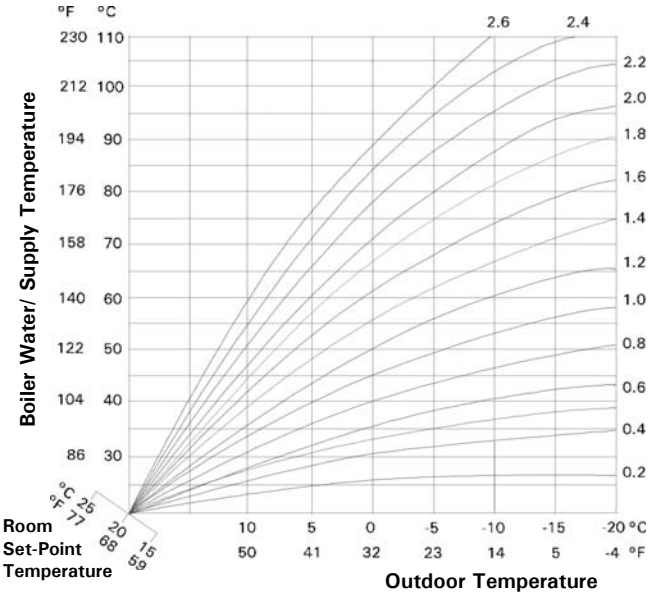
Vitocrossal 200

Benefits at a glance:

- Inox-Crossal heat exchanger surface made of high-grade SA 240-316 Ti stainless steel for high operational reliability and long service life.
  - Easy dispersal of condensate through vertical gas flues; therefore no concentration of condensate.
  - Increased self-cleaning effect through smooth stainless steel surfaces.
- Highly efficient heat transfer and high condensation rate through
  - heat exchanger surfaces which intensely turbulate the flue gas flow
  - boiler water and hot gases flowing in counterflow.
- Efficiency up to 98% through intensive condensation. The flue gas temperature is only approximately 9 - 27°F (5 - 15°C) above boiler return temperature (see chart below).
- Clean combustion - through perfect match of burner and boiler, low combustion chamber loading and straight-through combustion chamber.
- Easy handling in boiler rooms through particularly low build height and weight.
- Easy installation and elimination of wiring mistakes with Viessmann prewired plug-in system.
- Heating boiler, heating system control, domestic hot water storage tank and all other Viessmann system technology components are coordinated to one another.
  All components are design-matched for quick installation.
- Pre-mix cylinder burner for environmentally-friendly operation with a modulation range from 20 to 100%.
- All hydronic connections can be fitted from above.
- Economical and safe heating system operation through Vitotronic digital control system with communication capability. Tailored to every need, covering all known control strategies and applications.
  Standard LON BUS for complete integration into building management systems.
- Particularly quiet operation.
- High altitude operation up to 10,000 ft. (3000 m) with a simple electronic adjustment.



Vitocrossal 200 boiler efficiency dependent on system heating water return temperatures and load conditions



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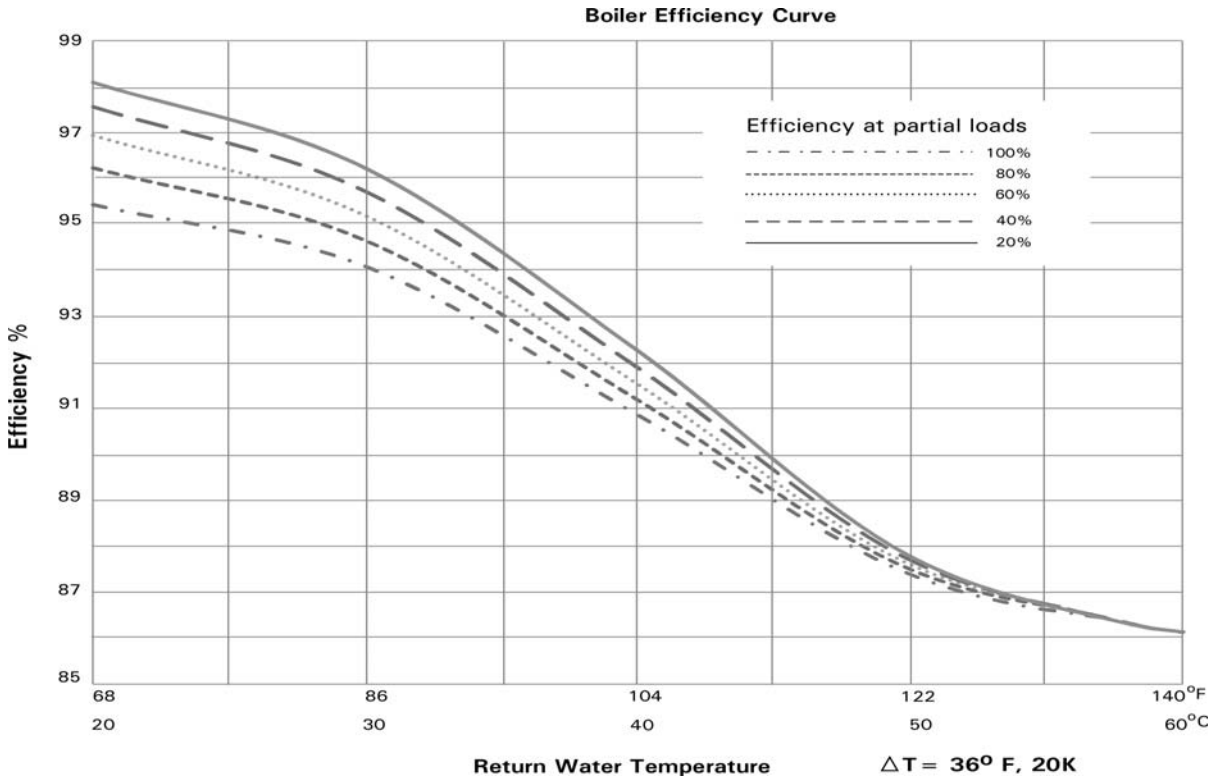
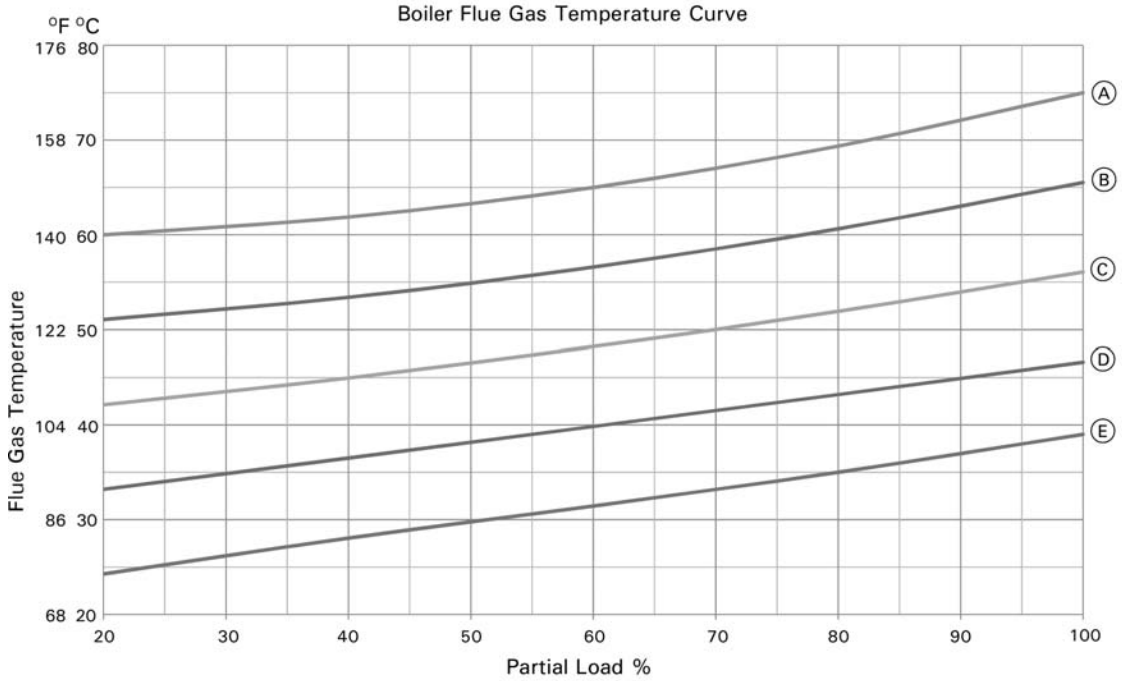
Vitocrossal 200



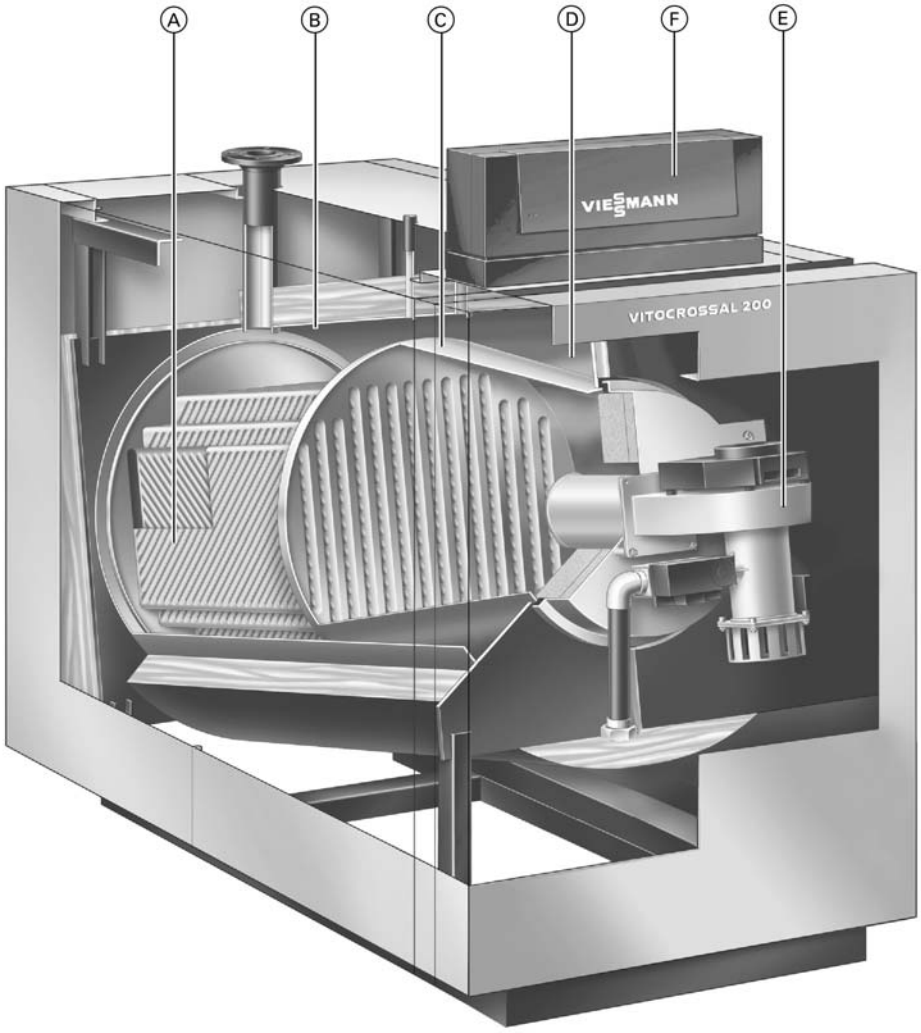


Flue gas temperature as a function of average partial load firings.

Legend

Ⓐ Supply/return temperature of 176/140°F (80/60°C)
Ⓑ Supply/return temperature of 158/122°F (70/50°C)
Ⓒ Supply/return temperature of 140/104°F (60/40°C)
Ⓓ Supply/return temperature of 122/86°F (50/30°C)
Ⓔ Supply/return temperature of 104/68°F (40/20°C)

Cutaway Section



Legend

Ⓐ Inox-Crossal heat exchanger surface made from high-grade SA 240-316 Ti stainless steel
Ⓑ Highly effective thermal insulation
Ⓒ Water cooled stainless steel combustion chamber
Ⓓ Wide water passageways with low pressure drop - good natural circulation
Ⓔ Fully modulating pre-mix cylinder burner
Ⓕ Vitotronic control unit

Technical Data

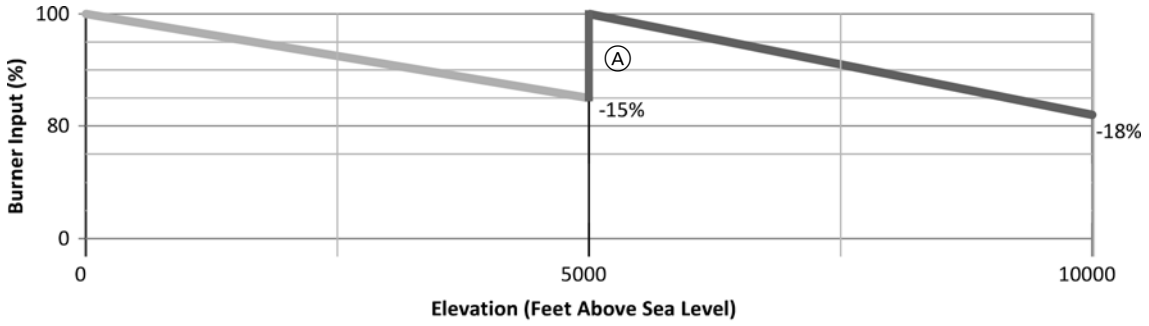
Boiler Model	CM2	186	246	311
Input	MBH (kW)	663 (194)	878 (257)	1112 (326)
Minimum Input	MBH (kW)	131 (38.5)	175 (51)	222 (65)
Output *1	MBH (kW)	643 (188)	851 (249)	1078 (316)
Net AHRI rating	MBH (kW)	559 (164)	740 (217)	937 (275)
Combustion efficiency *1	%	95	95	95
Thermal efficiency *1	%	97	97	97
Overall length(e)	in. (mm)	73 (1852)	73 (1852)	73 (1852)
Overall width (c) (including insulation)	in. (mm)	36½ (930)	36½ (930)	36½ (930)
Overall height (a) *2 (including control unit)	in. (mm)	66 (1676)	66 (1676)	66 (1676)
Concrete boiler base				
Length	in. (mm)	40 (1005)	40 (1005)	40 (1005)
Width	in. (mm)	31 (800)	31 (800)	31 (800)
Thickness	in. (mm)	4 (100)	4 (100)	4 (100)
Weight				
Boiler body	lb (Kg)	503 (228)	536 (243)	564 (256)
Complete with the burner, control and thermal insulation	lb (Kg)	726 (329)	759 (344)	792 (359)
NOx @ 3% O_2		< 20 PPM *3		

*1 Tested to AHRI, BTS-2000 Testing Standard Method to Determine Efficiency of Commercial Heating Boilers.

*2 Add 1⅝ in. (40 mm) when using seismic mounts (optional accessory).

*3 Optional low NOx certified by SCAQMD Natural Gas models available.

Note: For altitude operation up to 4,999 feet, derate the input capacity by 3%/1000 ft.
For operation from 5,000 to 10,000 feet, with the electronic altitude adjustment made, derate the input capacity by an additional 0.6%/1000 ft. for a total derate of 18%.

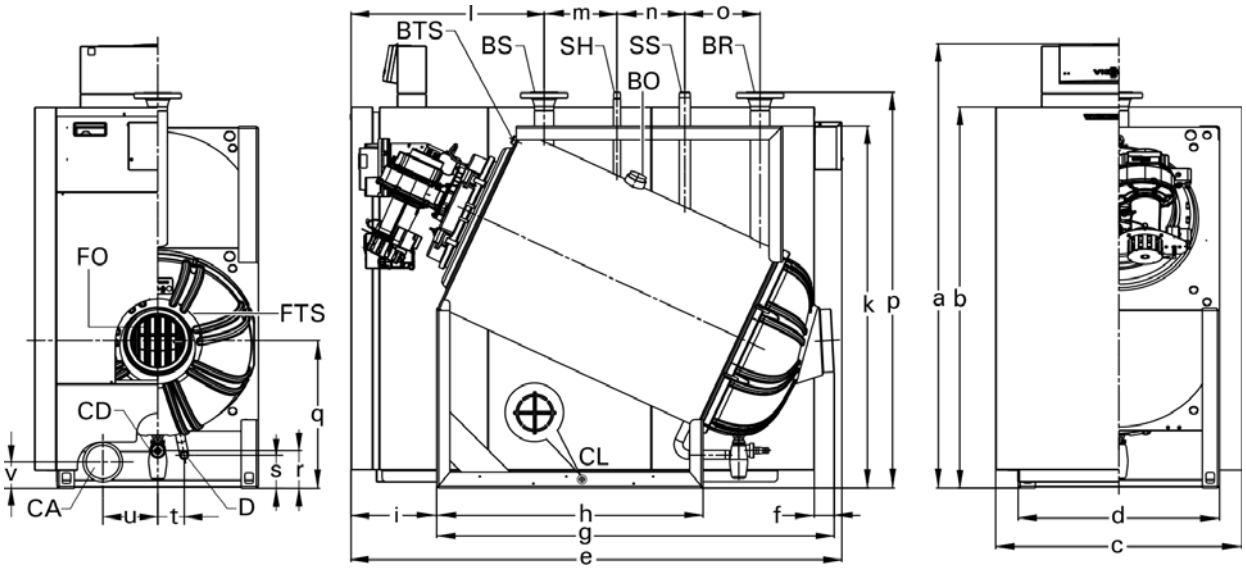


Legend
Ⓐ Input capacity after electronic altitude adjustment is made.

Technical Data *(continued)*

Boiler Model	**CM2**	**186**	**246**	**311**
Boiler Water Content	USG	81	77	74
	(L)	(306)	(292)	(279)
Heat exchanger surface	ft.^{2}	72.9	98.8	121.5
water cooled	($m^{2)}$	(6.8)	(9.2)	(11.3)
Maximum Operating Temperature	°F (°C)	210 (99)	210 (99)	210 (99)
Maximum Adjustable High Limit	°F (°C)	203 (95)	203 (95)	203 (95)
Maximum Operating Pressure	psig	75	75	75
	(kpa)	(517)	(517)	(517)
Boiler Connections				
Boiler supply and return (BS), (BR) (ANSI flanges)	in.	2½	2½	2½
	(mm)	(65)	(65)	(65)
Safety Supply	in.	1¼	1¼	1¼
	(mm)	(32)	(32)	(32)
Boiler Drain	in.	1½	1½	1½
Condensate Drain	in.	¾	¾	¾
Vent pipe				
Internal Diameter	in.	8	8	8
	(mm)	(201)	(201)	(201)
Combustion air	in.	6	6	6
Internal Diameter	(mm)	(150)	(150)	(150)
Flue Gas Values				
temperature (at a return temperature of 86°F (30°C)				
at rated input	°F	136	132	130
	(°C)	(58)	(55)	(54)
at partial load	°F	95	95	95
	(°C)	(35)	(35)	(35)
Temperature (at a return temperature of 140°F (60°C)				
at rated input	°F	167	167	167
	(°C)	(75)	(75)	(75)
Mass flow rate (of flue gas)				
at rated input	lbs/h	593	785	994
	(kg/h)	(269)	(356)	(451)
at partial load	lbs/h	198	262	331
	(kg/h)	(90)	(119)	(150)
Max. condensate flow rate	USG/h	6.6	8.5	10.8
for NG and LPG	(L/h)	(25)	(32)	(41)
Pressure				
at boiler flue outlet	pa	70	70	70
at rated input	"w.c.	0.28	0.28	0.28
Standby loss				
at maximun input and steady state condition 180°F/80°F (82°C/27°C) supply and return water temperature	BTU/h (W)	862 (252)	1053 (308)	1334 (391)
	%	0.13	0.12	0.12
At boiler water temperature 158°F (70°C) [room temperature 68°F (20°C)]	BTU/h (W)	3315 (971)	3512 (1029)	4448 (1303)
	%	0.5	0.4	0.4

Dimensions



Legend

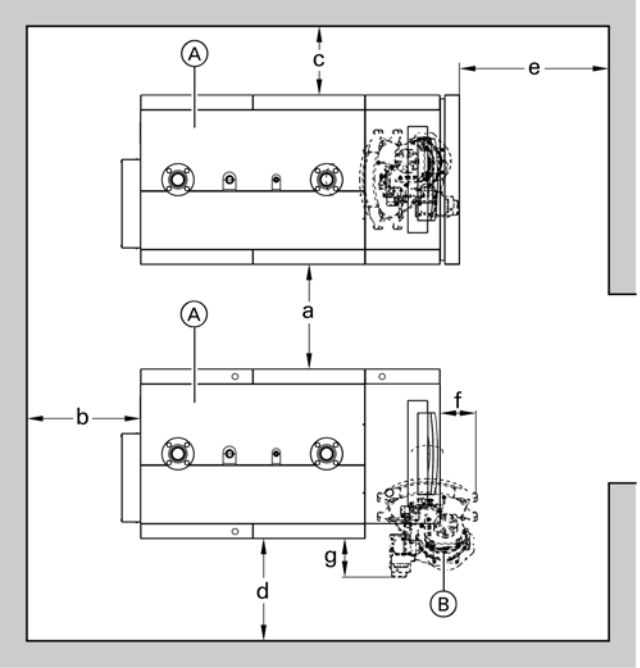
FO Flue outlet
D Drain
CD Condensate drain
BR Boiler return
BTS Boiler water temperature sensor
BS Boiler supply
CL Centerline of weight distribution (along the length of the pressure vessel only)
SH Female connection NPT ½ in. for pressure gage
CA Combustion air pipe connection
SS Safety supply; pressure relief valve, air vent, low water cut-off
BO Boiler Inspection Opening
FTS Flue gas temperature sensor

Dimensions

Model CM2			186	246	311
a*		in. (mm)	66 (1676)	66 (1676)	66 (1676)
b*		in. (mm)	56½ (1438)	56½ (1438)	56½ (1438)
c		in. (mm)	36½ (930)	36½ (930)	36½ (930)
d		in. (mm)	30 (760)	30 (760)	30 (760)
e		in. (mm)	73 (1852)	73 (1852)	73 (1852)
f	(flue pipe projection at the back)	in. (mm)	3 (75)	3 (75)	3 (75)
g		in. (mm)	59 (1500)	59 (1500)	59 (1500)
h	(foot length)	in. (mm)	39½ (1005)	39½ (1005)	39½ (1005)
i	(distance from front face of the cover to the front supporting foot)	in. (mm)	12¾ (323)	12¾ (323)	12¾ (323)
k*		in. (mm)	53¾ (1365)	53¾ (1365)	53¾ (1365)
l	(distance from the front face of the cover to the centre of the boiler supply connection)	in. (mm)	28¾ (729)	28¾ (729)	28¾ (729)
m		in. (mm)	10¾ (275)	10¾ (275)	10¾ (275)
n		in. (mm)	10 (255)	10 (255)	10 (255)
o		in. (mm)	11¼ (284)	11¼ (284	11¼ (284
p*		in. (mm)	58¾ (1493)	58¾ (1493)	58¾ (1493)
q*		in. (mm)	22 (558)	22 (558)	22 (558)
r*		in. (mm)	5½ (142)	5½ (142)	5½ (142)
s*		in. (mm)	5 (126)	5 (126)	5 (126)
t		in. (mm)	4 (100)	4 (100)	4 (100)
u		in. (mm)	8 (207)	8 (207)	8 (207)
v		in. (mm)	4 (100)	4 (100)	4 (100)

* Add 1⅝ in. (40 mm) when using seismic mounts (optional accessory).

Recommended Minimum Service Clearances



To enable convenient installation and maintenance, observe the stated clearance dimensions. Maintain the minimum clearances where space is tight.

In the delivered condition, the boiler door hinge bracket is factory installed on the left side of the door. If required, the boiler door hinge bracket can be reinstalled on the right side of the door.

CM2		186	246	311
a *1	in. (mm)	20 (500)	20 (500)	20 (500)
b *2	in. (mm)	30 (760)	30 (760)	30 (760)
c	in. (mm)	20 (500)	20 (500)	20 (500)
d	in. (mm)	20 (500)	20 (500)	20 (500)
e	in. (mm)	24 (600)	24 (600)	24 (600)
f	in. (mm)	11 (280)	11 (280)	11 (280)
g	in. (mm)	15½ (395)	15½ (395)	15½ (395)

Legend

Ⓐ Boiler
Ⓑ Burner
*1 Clearance may be reduced to zero in multi-boiler installations, provided the side panel removal is not required.
Note: The burner, boiler control, condensate trap, venting and heat exchanger are still fully accessible from the front and rear of the boiler.
*2 Clearance for vent pipe installation.

Mechanical room

- Avoid air contamination by halogenated hydrocarbons (e.g. as in sprays, paints, solvents and cleaning agents)
- Avoid very dusty conditions
- Avoid high levels of humidity
- Protect against frost and ensure good ventilation, otherwise the system may suffer faults and damage. In rooms where air contamination from halogenated hydrocarbons is to be expected, operate the boiler only in balanced flue mode.

Minimum clearances to combustibles

Boiler model CM2	186	246	311
Top	0		
Sides	0		
Flue	As per vent manufacturer's specifications		
Front	0		
Floor	combustible		

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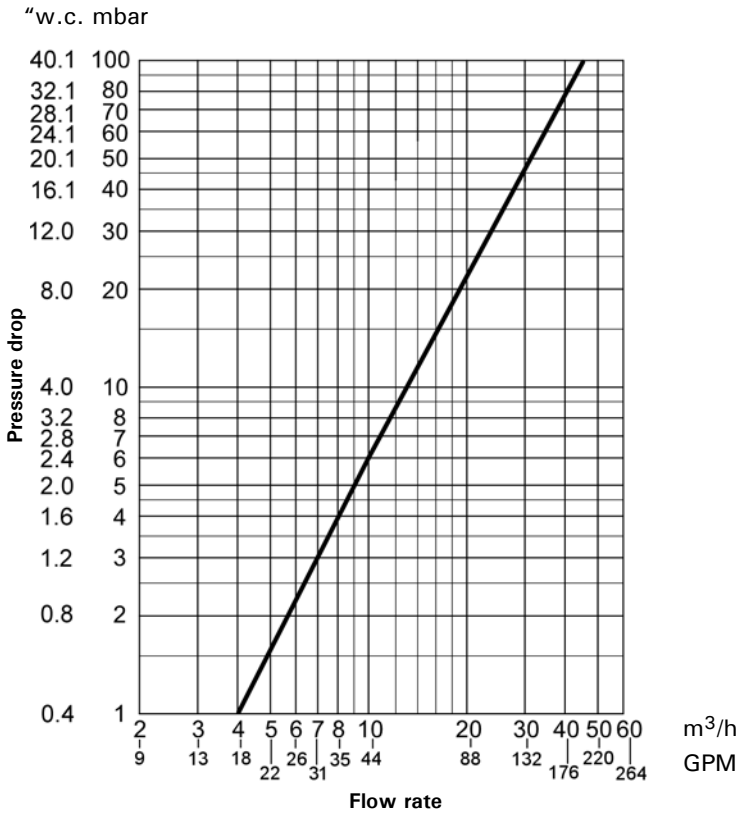
Flow Rate

Pressure drop (primary circuit)

The Vitocrossal 200 is only suitable for fully pumped hot water heating systems.



Recommended Flow Rates CM2

Boiler model		186	246	311
20° F △t	GPM	63	84	106
40° F △t	GPM	31	42	53
11° C △t	m^3/h	14.3	19.07	24.07
22° C △t	m^3/h	7.04	9.53	12.04

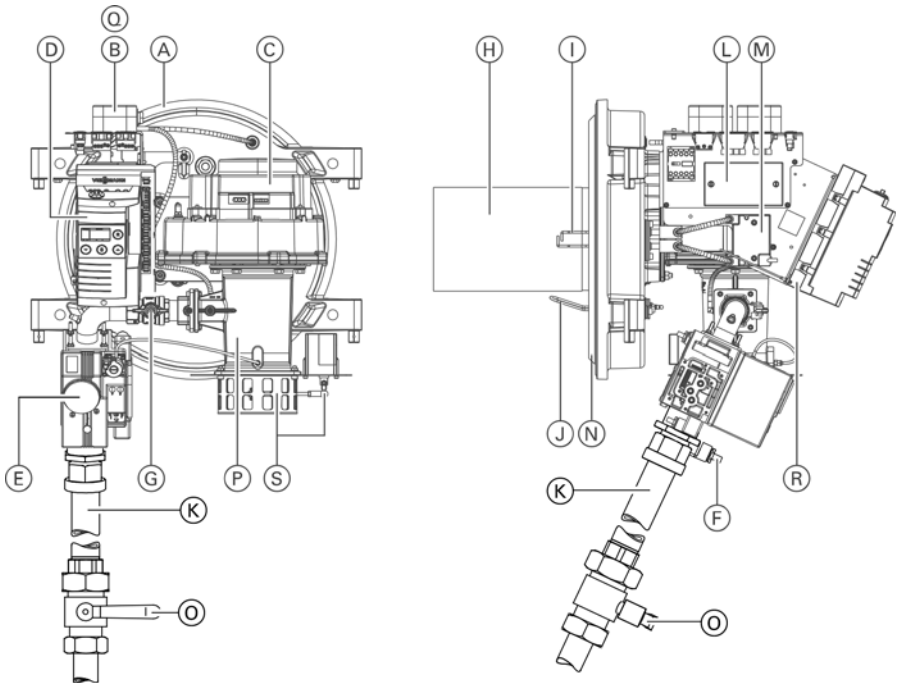
△t = temperature difference
This boiler does not require a flow switch.

Cylinder Burner

Specifications				
Boiler Model CM2		**186**	**246**	**311**
Product ID		see boiler		
Voltage	V	120	120	120
Frequency	Hz	60	60	60
Power consumption				
at max. input	W	225	278	368
at min. input	W	51	52	67
Version		modulating		
Dimensions				
Length	in. (mm)	30.3 (770)	30.3 (770)	30.3 (770)
Width	in. (mm)	21.5 (546)	21.5 (546)	21.5 (546)
Height	in. (mm)	18.9 (482)	18.9 (482)	18.9 (482)
Weight				
Burner only	lb. (kg)	61.0 (27.6)	64.5 (29.3)	64.5 (29.3)
Burner package (with kits, flanges and mounting hardware)	lb. (kg)	93 (42.2)	100.5 (45.5)	100.5 (45.5)
Min. gas supply pressure				
Natural gas	"w.c.	4	4	4
Liquid propane gas	"w.c.	10	10	10
Max. gas supply pressure				
Natural gas	"w.c.	14	14	14
Liquid propane gas	"w.c.	14	14	14
Gas connection	NPT	1	1¼	1¼

Cylinder Radiant Burner *(continued)*

CM2 pre-mix cylinder burner 186/246/311



Legend

Ⓐ Boiler door
Ⓑ Air pressure switch 1
Ⓒ Fan
Ⓓ Burner display and programming unit
Ⓔ Gas valve with gas pressure switch
Ⓕ Gas supply pipe
Ⓖ Burner test firing valve
Ⓗ Cylinder burner assembly
Ⓘ Ignition electrodes
Ⓙ Ionization electrode
Ⓚ Gas pipe
Ⓛ AC-EMI suppression filter device
Ⓜ Ignition unit
Ⓝ Thermal insulation block
Ⓞ Manual shut-off valve
Ⓟ Venturi mixing pipe
Ⓠ Air pressure switch 2
Ⓡ Burner control sub-base
Ⓢ Servomotor and burner inlet damper (for models 246 / 311)

Note: Solenoid valve (choke valve) for CM2 model 186 (not shown).

Standard Equipment

Boiler body with fitted mating ANSI flanges and gaskets to all connectors and fitted protective crate, plus flue gas collector collar.

1	thermal insulation
1	cylinder burner
1	boiler control unit (see boiler control alternatives below)
1	boiler coding card
1	technical documentation

Installation fittings for standard equipment includes:

- low water cut-off
- safety header (c/w 75 psig pressure relief valve, air vent and pressure gage)
- drain valve
- product documentation
- combustion air intake kit
- NG to LPG conversion kit

Boiler Accessories

- Motorized flue gas damper (for cascade venting system)

Refer to the common venting flue vent damper Installation Instructions.

Boiler Control Alternatives

For single boiler systems
Vitotronic 300 (type GW6B) Single Boiler Operating Mode

Outdoor reset control for stand alone operation, for modulating water temperature and mixing valve control for a maximum of 2 heating circuits with mixing valve and additional Vitotronic 200-H, type HK1B for 1 or 3 additional heating circuits with mixing valve.

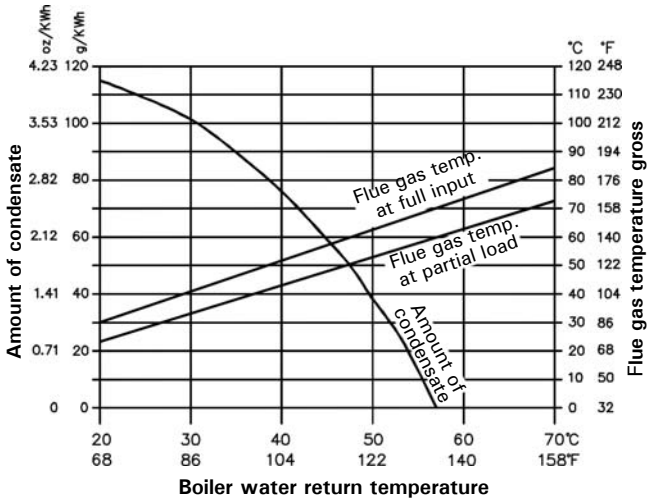
For single-boiler or multiple-boiler installations
Custom control panels for residential or commercial applications are designed and manufactured by Viessmann to suit any customer's specific requirements. Custom control panels can integrate features such as pool heating, hot tub heating, snow melting, telephone tie-in, integration with Building Management Systems, as well as several other functions. Please inquire.

For multi boiler systems (up to 8 boilers CM2 boilers)
Vitotronic 300 (type GW6B) Lead boiler + Cascade Operating mode

Outdoor reset control for cascade operation in conjunction with a Vitotronic 300 GW6B operating in lag boiler mode, with mixing valve control for a maximum of 2 heating circuits with mixing valve and additional Vitotronic 200-H, type HK1B for 1 or 3 additional heating circuits with mixing valve.

Vitotronic 300 (type GW6B) Lag boiler Operating mode for modulating boiler water temperature in conjunction with a Vitotronic 300 GW6B operating in lead boiler + cascade mode.

System Design Considerations



Note: The 'amount of condensate" and the "flue gas temperature gross" graphs are independent of each other.

Condensate and its disposal

During the operation of the boiler, the amount of condensate to be expected can be read from the above diagram.

The values given are approximate amounts occurring under practical conditions. Not included in the diagram is the amount of condensate occurring in the vent pipe and chimney system. The condensate from the chimney system can be collected together with the condensate from the heating boiler and be disposed of into a floor drain. The condensate will be between 3 and 4 on the pH scale. If local building requirements demand neutralizing the condensate before disposal, contact Viessmann Manufacturing Company Inc. for a correctly sized neutralization tank. The treated condensate will show pH values of between 6.5 and 9 and can then be disposed of into the waste water system.

Design notes regarding draining condensate

The condensate drain to the sewer connection must be able to be inspected.
Route it with a gradient and equip the pipe with a P-trap; also provide suitable facilities for taking samples.
The bottom drain should be located below the anti-flooding level of the flue gas collector box.

Condensate drains must only be made from corrosion resistant materials (e.g. fibre reinforced hoses). Never use any galvanized materials or those containing copper or black iron for pipes, connectors, etc.
Install a P-trap in the condensate drain to prevent flue gases from escaping.

Ensure that the domestic drainage systems are made from materials which are resistant to acidic condensate such as:

- Stoneware pipes
- Hard PVC pipes
- PVC pipes
- PE-HD pipes
- PP(s) pipes
- ABS/ASA pipes
- Stainless steel pipes
- Borosilicate pipes

Venting options

PP(s) (Polypropylene) flue gas/fresh air system for room air independent operation (sealed combustion), and PP(s) flue gas for room air dependent operation are tested to ANSI Z21.13 - CSA 4.9 (latest edition) standards and are certified together with the Vitocrossal 200 boiler as a constructional unit.

The Vitocrossal 200 boiler may also be vented using an special stainless steel, single-wall, (UL listed for category IV).

The boiler may be vented horizontally through the side wall or vertically through the roof.

For a more detailed description of the direct vent and single-wall vent system, please refer to the Vitocrossal 200 Installation Instructions venting section.

System Design Considerations *(continued)*

Use ULC S-636 / UL 1738 certified for category IV boilers. The following vent system suppliers may be contacted for assistance in designing the appropriate stainless steel venting system for Vitocrossal 200 CM2 boilers.

For sealed combustion systems that are vertically vented, a Viessmann vacuum relief damper may be needed to protect the vent system against vacuum conditions. This very rare occurrence can happen when a boiler is firing at maximum capacity and the burner cycle is suddenly interrupted.(ie. power failure) For more information on this device, or questions specific to your application, please consult with the vacuum relief damper installation instructions or contact your local Viessmann representative.

M&G / Duravent www.duravent.com	**ICC - Industrial Chimney Co.** www.icc-rsf.com
Selkirk Canada Corporation www.selkirkchimney.com	**Z-Fex U.S. Inc** www.z-flex.com
Jeremias Inc. www.jeremiasinc.com	**Van-Packer Co. Inc.** www.vpstack.com
Security Chimneys International Ltd. www.securitychimneys.com	**Enervex Inc. (formerly Exhausto)** www.enervex.com
Metal-Fab Inc. www.mtlfab.com	

System layout

The boiler max. water temperature limit is factory set to 203°F (95°C).

To minimize piping losses of the system, however, Viessmann recommends that the radiation and domestic hot water production in the system be designed for a 158°F (70°C) boiler supply water temperature.

Combustion air supply

The boiler must not be located in areas or rooms where chemicals containing chlorine, bromine, fluorine, or other corrosive chemicals are stored. Examples include bleach, refrigerants, paint, paint thinner, hair spray, cleaning solvents, water softener salt, etc. The combustion air must not be contaminated with any amount of the above mentioned chemicals.

Boiler should never be installed in areas where excessive dust, high humidity, or risk of frost exist. Ensure adequate ventilation and supply of fresh combustion air.

Boiler operation in marine environments (damp, salty coastal areas):

The service life of the boiler's exposed metallic surfaces, such as the casing and fan housing, is directly influenced by proximity to damp and salty marine environments. In such areas, higher concentration levels of chlorides from sea spray, coupled with relative humidity, can lead to degradation of the exposed metallic surfaces mentioned above. Therefore, it is imperative that boilers installed in such environments not be installed using direct vent systems which draw outdoor air for combustion. Such boilers must be installed using room air dependent vent systems; i.e. using room air for combustion. The indoor air will have a much lower relative humidity and, hence, the corrosion will be minimized.

Consult your local Viessmann sales representative with uncertainties in regard to a suitable boiler installation location.

This boiler/burner unit needs clean fresh air for safe operation. Provisions for combustion and ventilation air must be made at time of installation. For gas or propane installations, use the "Natural Gas Installation Code CAN/CSA-B149.1 or B149.2" (Canada), or "National Fuel Gas Code ANSI Z223.1" (USA), and/or provisions of local codes.

The sizing methods outlined in the aforementioned codes should be used when installing a round duct to supply combustion air from the outside.

Warranty

Our warranty does not cover damages resulting from the following:

- Operation with contaminated fill and supplementary feed water
- Operation with contaminated combustion air
- Exposing the boiler to pressures and temperatures higher than its certified rating

See warranty sheet for details.

System Design Considerations *(continued)*

Water quality

Treatment for boiler feed water should be considered in areas with known problems, such as where a high mineral content and hardness exist. In areas where freezing might occur, it recommended that an antifreeze be added to the system water for protection against freezing. Please adhere to the specifications given by the antifreeze manufacturer. Do not use automotive silicate-based antifreeze. Please observe that an antifreeze/water mixture may require a back flow preventer within the automatic water feed and influence components such as diaphragm expansion tanks, radiation, etc. A 40% antifreeze content will provide freeze-up protection to -10°F (-23°C). Do not exceed 50% antifreeze mix ratio and do not use antifreeze other than specifically made for hot water heating systems.

Total output (MBH)	Total Hardness (ppm as ca CO_3)
> 1 Total ≤ 680	≤ 200
> 680 to ≤ 255	≤ 150

The pH value of the heating water should be between 8.2 and 9.5

Oxygen diffusion barrier under floor tubing

The boiler warranty does not cover pressure vessel failure resulting from corrosion caused by the use of underfloor plastic tubing without an oxygen diffusion barrier. Such systems without oxygen diffusion barrier must have the tubing separated from the boiler with a heat exchanger. Viessmann always recommends the use of underfloor plastic tubing with an oxygen diffusion barrier.

Boiler/burner start-up

Vitocrossal 200, CM2 boilers with Viessmann cylinder burners does not require start-up by Viessmann.

Sound attenuation

Please consult a professional engineer who is specialized in noise attenuation for advice.

The burner/boiler systems, circulation pumps and other auxiliary equipment used in heating systems generate noise.

This noise is transferred from the boiler room via floorboards, ceiling and walls to neighboring rooms and via the flue gas system as well as the ventilation air and exhaust air apertures into other rooms and into the open, where they may cause a nuisance.

To avoid this from happening, additional protective measures may be required which should be considered at the design stage.

Subsequent measures to reduce noise nuisance frequently require extensive effort and expenditure.

Airborne noise attenuation

Frequently, modern boilers are equipped with silencer hoods or sound insulated ventilation air inlet housings.

For larger systems, it may be necessary to route the ventilation air through a sound-insulated channel, in order to avoid a noise nuisance outside the building.
Flue gas silencers are generally only required where higher noise protection measures are called for. Whether or not a flue gas silencer is required can be predicted only with some difficulties, because of the complexity of the creation and propagation of flame noise, the interaction between the burner, boiler and the flue gas system as well as the operating mode (flue gas system operating with positive or negative pressure).

It is advisable, therefore, to assess the noise emission into the neighborhood and to consider the sound pressure level measured at the flue gas system outlet. It should be considered at the planning stage whether silencers might become necessary later.

In planning for its possible use, it is important that sufficient space for the flue gas silencer is available behind the boiler. Good engineering practice mandates that the exhaust pressure drop of the silencer be included in the vent size calculation.

Anti-vibration measures

Anti-vibration supports can be field supplied as an economical and effective solution to combat noise generated.
When sizing such supports, take the entire operating weight of the boiler system and, when using longitudinal anti-vibration brackets, the condition of the supporting surface into consideration.

Effective anti-vibration measures are particularly important when installing boilers into an attic. Flexible couplings may be used to physically separate the combustion equipment from the building.

These should be installed into the boiler flow, return and safety pipe and as near as possible to the boiler.
Also insulate any braces or hanging arrangements, if installed, against sound/vibration transmission to the building.

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