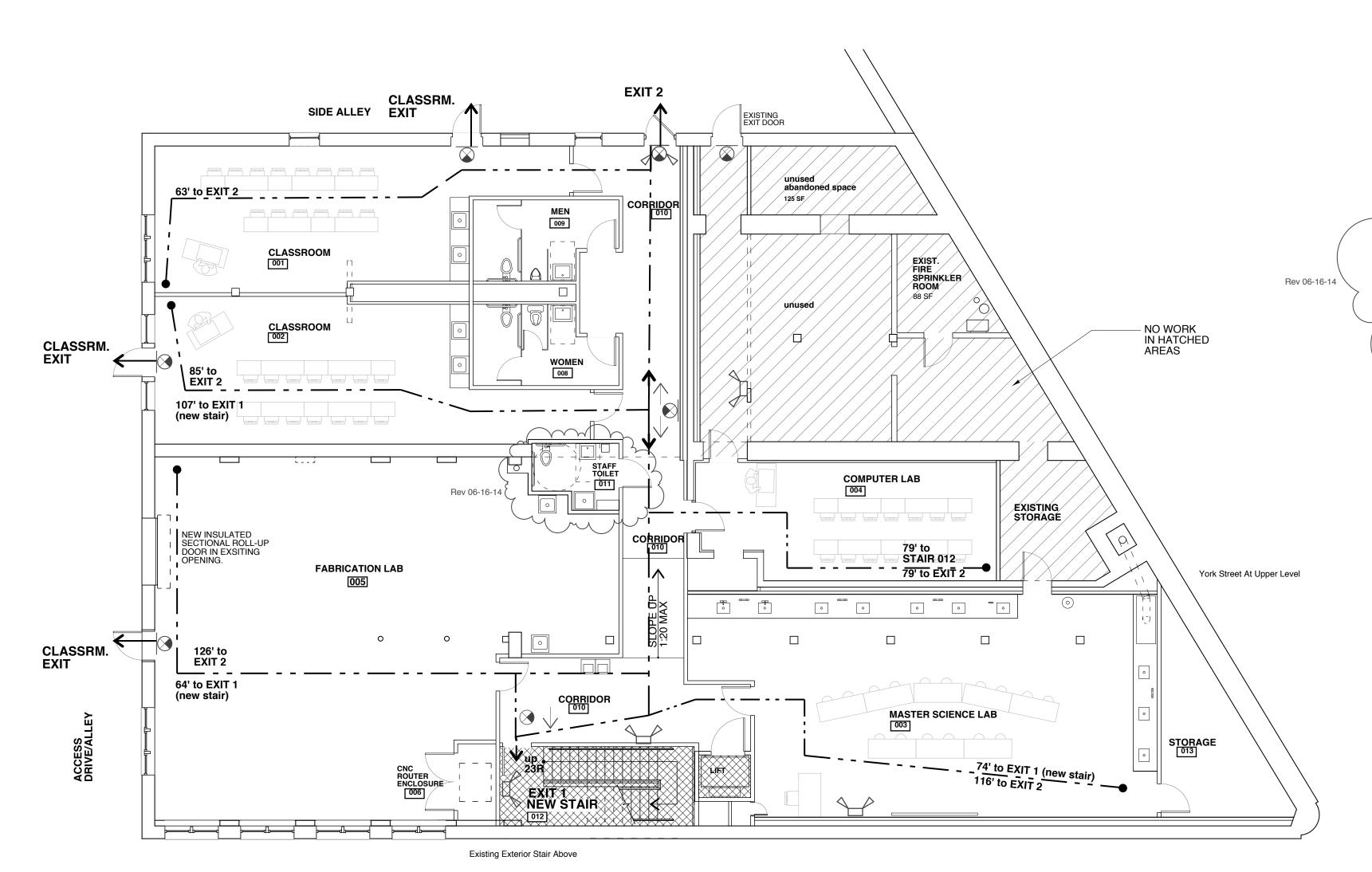
	Code Analysis (IBC 2009 and NFP								
	Jse and Occupancy Classification			304.1), and (6.1.1					
	d Use and Occupancy Classification	MIXED OCCUPANCY - Educational Group E (NFPA 6.1.14.3) / Business, NON-separated							
Existing F	Building Area Modification	NFPA 43.4 and 43.5							
Construc	tion Type	Type III B Exterior walls are of non-combustible material and interior building elements are of any material permitted by code							
Automation	c Sprinkler System	The building	is curre	ntly fully sprinkle	red (monitored sy	rstem)			
1. Existi	ing Structure Information								
			Bui	lding Area	Renovation Area				
	Lower Level		7,067 Gross sq ft		5,690 Gross sq ft				
	First Floor		7,0	67 Gross sq ft	0 sq ft				
	Second Floor		7,0		0 sq ft				
	Totals		21,201 G		5,690 Gros	s sq ft			
	Number of Stories above (Grade		3					
	Building height		арі	orox. 35 ft					
2. Allow	vable Area (Table 503)								
	Allowable area per floor		2	3,500 sq ft					
	Allowable height		6	-					
	Allowable number of storie	es	2		See Hgt. Modifications below				
3. Heigh	nt and Area Modification with Auton	natic Sprinkler	Systen	n (504.2)					
	Allowable height increase		1 5	Story, 20 ft	2+1 = 3 Stori	es			
To	tal allowable height with modifications	i	3 8	Stories, 85 ft					
TH	HE BUILDING HEIGHT AND AREA A	RE WITHIN TH	E PERI	MITTED LIMITS					
4. Occu	pant Load (NFPA 101 Table 7.3.1.2,	& IBC Table 1	004.1.1)					
Floor	Occupied Spaces	Area NET	Sq. Ft.	Occupancy Load	Actual Design Occupancy	Use Classification			
	Classroom 001		7	27	18	Educational Classroom space = 20 net/person			
	Classroom 002	557	7	28	18	ıı			
Ô	Mstr. Science Lab 003		5	42	18	п			
LOWER FLOOR	Computer Lab 004		5	21	18	п			
	Fabrication Lab 005	1,350)	27	18	Educational vocational space = 50 net/person			
LOW									
	TOTAL Lower Floor NSF	3,684							

Classroom 101	Floor	Occupied Spaces	Area NET Sq. Ft.	Occupancy Load	Actual Design Occupancy	Use Classification
Classroom 102 580 29 16		Classroom 101	463	24	16	Educational Classroom
Classroom 104		Classroom 102	580	29	16	
Student Center 105		Art Classroom 103	897	18	18	Educational vocational space
Comparison Com	~	Classroom 104	678	34	18	Educational Classroom
Continue	Ď [Student Center 105	1,360	91		Assembly space = 15
Continue	H [Admin. Office 106	277	3	3	Business Office space = 100
Continue	ST	Teacher's Room 108	80			
Office 201	FIR					
Classroom 202 321 16 16 Educational Classroom space = 20 net/person		TOTAL First Floor	4,281	201	71	
Classroom 203		Office 201	173	2	2	Business Office space = 100 net/person
Classroom 203	Ī	Classroom 202	321	16	16	Educational Classroom space = 20 net/person
Classroom 205	Ī	Classroom 203	412	21	16	
Classroom 206 534 27 18 "		Classroom 204	432	22	18	п
Tutoring Room 207 165 9 6		Classroom 205	432	22	18	n .
Office 212 143 2 2 2 1 1 1 2 1 2 1 2 1 2 2		Classroom 206	534	27	18	0
Social Worker's Office 215		Tutoring Room 207	165	9	6	n.
Secretary 222 105 2 1	S		143	2	2	Business Office space = 100 net/person
Secretary 222 105 2 1	Š		112	2	1	Business Office space = 100 net/person
Secretary 222 105 2 1	S F	Office 216	90	1	1	u u
Secretary 222 105 2 1	S E	Office 217	92	1	1	п
Secretary 222 105 2 1	E .					
Secretary 222 105 2 1	NO NO					
Secretary 222 105 2 1	0 0	Hall 220			 	
Guidance Office 223 105 2 1 " Storage 224	σž	Office 221		2	1	
Storage 224		-	105		1	п
Hall 225 — — — — — — — — — — — — — — — — — — —		Guidance Office 223	105	2	1	"
Meeting 226 215 14 10 Assembly space = 15 net/person Conf. 227 70 1 1 Business Office space = 100 net/person Classroom 228 431 22 18 Educational Classroom space = 20 net/person Classroom 229 449 23 18 "		-			 	
Meeting 226 215 14 10 net/persón		Hall 225				
Classroom 228				14	10	net/person
Classroom 229 449 23 18 space = 20 net/person				1	1	net/person
				22	18	
Total Second Floor 4,392 191 149	-	Classroom 229	449	23	18	п
	-	Total Second Floor	4,392	191	149	

Note: All Sq. Ft. Numbers shown are NET unless otherwise noted.

*Note: MAX. student enrollment planned for this building to be 240.

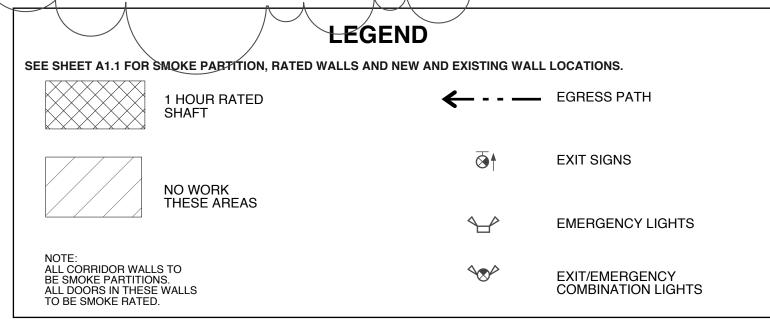


EXISTING SIDEWALK MAPLE STREET



5. Minimum Fire Resistance Requirements of Building Elements (IBC Tables 601 & 602) 0 hour Table 601 Structural Frame 2 hours Table 601 and 602 Load bearing exterior walls Load bearing interior walls 0 hour Table 601 Non-load bearing exterior walls (fire separation Greater than 30 ft.) 0 hour Table 602 Non-load bearing exterior walls (fire separation distance greater than 30 ft.) 0 hours Table 602 0 hour Table 601 Floor construction Roof construction 0 hour Table 601 Shaft enclosures 1 hours Section 708.4 1 hours Section 1022.1 Exit enclosures 0 hours Table 1018.1 with automatic sprinkler system Corridors 1/2hours Corridors per NFPA 101 15.3.6 0 hours IF Smoke Partitions provided Per NFPA 101, 8.4.3.5 Mixed Occupancy - No Separation 0 hour NFPA 101- 6.1.14.3 Accessory Occup. - Main Occup. IBC 508.2.4 0 hour 6. Means of Egress Components 200 ft. per *NFPA 101, 15.2.6.3 Exit access Travel Distance with automatic sprinkler system Minimum Number of exits required per floor (2) (Table 1021.1) Number of exits provided per floor IBC Table 1015.1, NFPA 15.2.5.4 Spaces with (1) means of Egress allowed when Occ. load less than 50 in Group E 75 ft (IBC 1014.3), **100** ft NFPA 15.2.5.3.1 Common path of travel in Group E fully sprinklered buildings. 50 ft (IBC 1018), NPFA 15.2.5.2 Dead End Limit in Group E fully sprinklered buildings. Required Corridor Width = 6'-0" Educational Occupancy NFPA 101, 15.2.3.2 Min. Corridor Width Provided = 6'-0" Accessible means of egress are Not required in alterations to EXISTING buildings IBC Section 1007.1 and NFPA 3411.6 Area Served Occupant Load = Width Required, Width Provided (* min. req'd.) *NFPA 101, 7.2.2.2.1.1-(2) and Table 7.2.2.2.1.1(b) Existing 3,533 gross sq ft 96 X .3" = 28.8" (*36") Existing Stair 1 Existing Stair 2 3,533 gross sq ft 96 X .3" = 28.8" (*36") *Existing Risers: 6.75" to 7"
*Existing Treads: 10.75" NEW Stair 012 to Lower Floor 73 X .3" = 21.9" (44") Calculated for 1/2 of 2nd Floor Occ. load Plus 1/3 of First Floor Occ. Load Egress Door from Stair 1 169 x .2" = 33.8" (36") Calculated for 1/3 of First Floor Occ. Load Egress Doors from Student Center 67 x .2" = 13.4" (36") Egress Door from Stair 2 and New Stair Calculated for 1/2 of lower floor, 1/2 of 2nd Floor Occ. load and 1/3 of First Floor Occ. Load 235 x .2" = 47" (36")

	7. Minimum Plumbing Fix	tures - Uni	form Plumbin	g Code 2009				
	Required Student Fixtures For Secondary Schools	WATER CLOSETS		URINALS	LAVATORIES		DF/person	
F		1 : 40 male	1: 30 female	1 per 35 males	1: 40 male	1: 40 female	1 per 150	ents
	STUDENTS	MALE Students 120	FEMALE Students 120	add'l Female WCs req'd. to equal total male WC and Urinal fixtures	MALE Students 65	FEMALE Students 65	130 Students	
	REQUIRED Student Fixtures	3 WC	4 + 2 = 6 WC	3 Urinals	3 Lavs	3 Lavs	2 DF	Occupancy Count Based On Max. Number Of Students And Staff
	PROVIDED Student Fixtures per new plans	4 WC	7 WO	3 Urinals	6 Lavs	6 Lavs	3 DF	Planned For Max Capacity. 2014 - 2015 240 students
	Required Staff Fixtures For Secondary Schools	1 per 1-15	1 per 1-15	1 per 50	1: 40 male	1: 40 female	none	20 staff
	STAFF	Male Staff 10	Female Staff 10					
	Required Staff Fixtures	1 WC	2 WC	1 Urinal	1 Lav	1 Lav		
F	Staff Fixtures Provided	2 WC	2 WC	1 Urinal	2 Lav	2 Lav		



SEE SHEET A1.2 FOR COMPLETE DOOR SCHEDULE AND HARDWARE.

Academy Street Baxter / 54 York

RICHARD K.

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EVISI

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OR PFIT

LOWER FLO

Summary ode

Baxter Academy Lower Flr. Upfit

Scale: 1 inch = 8 feet

G1.1