

Proposed Space Summary - Concord-Carlisle Regional High School - Option 14B

Concord-Carlisle Regional High School			
Existing Conditions			
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals
CORE ACADEMIC SPACES			57,476
<i>(List classrooms of different sizes separately)</i>			
Classroom - General		41	32,771
English (15 FTE)		10	7,616
Ex CR - English	800	1	800
Ex CR - English	790	1	790
Ex CR - English	800	1	800
Ex CR - English	795	1	795
Ex CR - English (shared w/Social Sci.)	795	1	795
Ex CR - English (shared w/Social Sci.)	820	1	820
Ex CR - English	656	1	656
Ex CR - English (small)	310	1	310
Ex CR - English (shared w/F. Language)	1,010	1	1,010
English (separate Resource Ctr., Writing Lab)			
English/Social Sciences (SSERC) Resource Ctr.	840	1	840
Social Science (14 FTE)		9	6,750
Ex CR-Social Science	795	1	795
Ex CR-Social Science	795	1	795
Ex CR-Social Science	800	1	800
Ex CR-Social Science	800	1	800
Ex CR-Social Science	795	1	795
Ex CR-Social Science	785	1	785
Ex CR-Social Science	780	1	780
Ex CR-Social Science	600	2	1,200
SS Resource Ctr. (none existing)			

Proposed									
Existing to Remain/Renovated			New			Total			
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	
		0			63,420			63,420	

MSBA 2010 Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)			
ROOM NFA ¹	# OF RMS	area totals	Comments
		58,690	
850	41	34,850	825 SF min - 950 SF max

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Concord-Carlisle Regional High School	Existing Conditions		
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals
Group Seminar / Presentation (small: 20-30)		1	1,690
Small Foreign Language w/ kitchenette			
Small Foreign Language w/ kitchenette			
Small Group - standard			
Small Group - standard			
Small Group - standard			
Large Group Seminar / Presentation (60-80)	1,690	1	1,690
Science Classroom / Lab (16 FTE)		13	13,075
Biology		4	3,785
ExCR Biology Classroom	890	1	890
ExCR Biology Classroom/Lab	880	1	880
ExCR Biology Classroom/Lab	1,040	1	1,040
ExCR Biology Classroom/Lab	975	1	975
Chemistry		4	4,360
ExCR Chemistry Classroom	780	1	780
ExCR Chemistry Classroom	780	1	780
ExCR Chemistry Classroom/Lab	1,480	1	1,480
ExCR Chemistry Classroom/Lab	1,320	1	1,320
Physics		2	2,370
ExCR Physics Classroom/Lab	1,190	1	1,190
ExCR Physics Classroom/Lab	1,180	1	1,180
Earth Science		2	1,690
ExCR Earth Science Classroom	850	1	850
ExCR Earth Science Classroom	840	1	840
Science Resource Ctr (former writing lab)	870	1	870
Prep Room		11	2,380
Biology Prep Room	320	1	320
Biology Prep Room	520	1	520
Chemistry Prep Room	260	1	260
Chemistry Storage	80	1	80
Chemistry Storage	100	1	100
Physics Prep Room	430	1	430
Earth Science Prep Room	190	1	190
Earth Science Prep Room	160	1	160
Earth Science Storage	80	1	80
Earth Science Storage	80	1	80
Chemical Storage Prep Room			
Foreign Language Recording&Storage	160	1	160
Foreign Language Lab Storage			
Central Chemical Storage Rm			

Proposed									
Existing to Remain/Revovated			New			Total			
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	
				3	2,700		3	2,700	
			500	1	500				
			500	1	500				
			1,700	1	1,700				
				13	16,745		13	16,745	
				4	5,760		4	5,760	
			1,440	4	5,760				
				4	5,760		4	5,760	
			1,440	4	5,760				
				2	2,400		2	2,400	
			1,200	2	2,400				
				2	2,400		2	2,400	
			1,200	2	2,400				
				1	425		1	425	
				13	2,200		13	2,200	
				4	600				
			150	4	600				
				2	400				
			200	2	400				
				1	200				
			200	1	200				
				1	200		1	200	

MSBA 2010 Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)			
ROOM NFA ¹	# OF RMS	area totals	Comments
500	3	1,500	
1,440	11	15,840	3 x85% ut=20 Seats-1 per /day/student
200	11	2,200	
200	1	200	

Proposed Space Summary - Concord-Carlisle Regional High School - Option 14B

Concord-Carlisle Regional High School	Existing Conditions		
	ROOM NFA ¹	# OF RMS	area totals
ROOM TYPE			
Art Storage - General	150	1	150
Performance and Music		3	4,110
Band - 50-100 seats	1,600	1	1,600
Chorus - 50-100 seats	1,420	1	1,420
Ensemble (Chamber Orchestra)	1,090	1	1,090
Drama Classroom			
Music Practice		3	215
Practice	70	1	70
Practice	70	1	70
Practice	75	1	75
Music Support		4	769
Perf. Arts Teacher's Center			
Orch. Office	240	1	240
Band Office	169	1	169
Chorus Office	200	1	200
Theater Office	160	1	160
Music Storage		3	305
Band Storage	120	1	120
Music Library (Sheet Music)	75	1	75
Drama Costume Storage	110	1	110
Electronic Music Lab (MIDI)		5	1,100
Digital Music Classroom	600	1	600
Electronic Music Lab Control Room	225	1	225
Recording Booth	100	1	100
Recording Booth	130	1	130
Recording Booth	45	1	45
VOCATIONS & TECHNOLOGY			8,035
Tech Cirm. - (E.G. Drafting, Business)			4,475
Mac Lab Video (currently in Art)	1,175	1	1,175
Architecture/Sculpture (1-TS)	1,500	1	1,500
Architecture/Sculpture Storage	150	1	150
IT Instruction (3 staff + 4 students)			
IT Office / Instruction (In ex. Mac Lab)	190	1	190
IT Office / Instruction (In ex. Mac Lab)	100	1	100
Digital Imaging (1-TS) [ex PC Lab]	1,360	1	1,360
Tech Shop - (E.G. Consumer, Wood)			3,560
Woodworking / Maint. / Set Const.	1,780	1	1,780
Woodworking / Spray Booth	140	1	140
Woodworking Storage	140	1	140
Fabrication Lab			
Engineering/Robotics	1,500	1	1,500

Proposed								
Existing to Remain/Renovated			New			Total		
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals
			300	0	0		0	0
				4	5,500		4	5,500
			2,000	1	2,000			
			1,400	1	1,400			
			500	1	500			
			1,600	1	1,600			
				5	450		5	450
			75	4	300			
			150	1	150			
				1	400		1	400
			400	1	400			
				1	500		1	500
			500	1	500			
				5	1,100		5	1,100
			600	1	600			
			225	1	225			
			100	1	100			
			130	1	130			
			45	1	45			
			0		8,350			8,350
					3,150			3,150
					1,200			1,200
					150			150
					600			600
					1,200			1,200
					5,200			5,200
					2,000			2,000
					1,200			1,200

MSBA 2010 Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)			
ROOM NFA ¹	# OF RMS	area totals	Comments
			now in gross
1,500	1	1,500	Assumed use - 25% Population - 5 times/week
1,500	1	1,500	
200	1	200	
75	6	450	
500	1	500	
1,200	4	4,800	Assumed use - 50% Population - 5 times/week
2,000	4	8,000	Assumed use - 50% Population - 5 times/week

Proposed Space Summary - Concord-Carlisle Regional High School - Option 14B

Concord-Carlisle Regional High School	Existing Conditions		
	ROOM NFA ¹	# OF RMS	area totals
ROOMTYPE			
HEALTH & PHYSICAL EDUCATION			31,075
16 ex. Teaching Stations (TS) incl. 2- Health in core acad		3	21,415
Gymnasium (1 Ex. TS - Performance)	9,775	1	9,775
PE Alternatives (MSBA) (1 Ex. TS)	2,100	1	2,100
PE Alternative (ex. Lower Gym)	9,540	1	9,540
Gym Storeroom (MSBA)		3	510
Ex. Upper Gym Storage	130	1	260
Ex. Upper Gym Storage	120	1	120
Ex. Weight Room Storage	65	1	130
Locker Rooms - Boys/Girls w/Toilets		2	8,305
Girls	4,405	1	4,405
Boys	3,900	1	3,900
Phys. Ed. Storage (MSBA)		3	500
Phys. Ed. Storage	260	1	260
Phys. Ed. Storage	170	1	170
Phys. Ed. Storage	70	1	70
Athletic Director's Office		1	145
Ex. Athletic Director's Office	120	1	120
Ex. Athletic Director's Office Storage	25	1	25
Health Instructor Office w/Shower & Toilet		1	200
Teacher's Center (5-FTE)			
Girls P.E. Office Locker Room	200	1	200
MEDIA CENTER			13,480
Media Center/Reading Room			
Commons/Media Center (4-staff / FTE) (Ex. area less Mac Lab)			13,480
Lower Library (inc. Lower level ramps)	5,640	1	5,640
Upper Library (stacks)	6,850	1	6,850
Library Office	640	1	640
Project Room / Conference	350	1	350
Faculty/Staff Workroom			
Faculty/Staff Break room			
Circulation Desk			
Silent Area/study carrels			
Group workstations			
Stacks area (11,800 vols)			
Conference/Project Rooms			
Large			
Medium (sim. to SPED / Guidance)			
Small (independent Study)			
Student Presentation area (Multi-purpose)			

Proposed								
Existing to Remain/Renovated			New			Total		
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals
		0			23,060			23,060
		0		2	14,750		2	14,750
				1	12,000			12,000
				1	2,750			2,750
				0	0			0
		0		1	300		1	300
		0		4	6,860		4	6,860
		0		1	500		1	500
		0		1	150		1	150
		0		2	500		2	500
		0		2	500			500
		0			8,600			8,600
								8,600
								400
								400
								850
								3,400
								2,000
								400
								250
								100
								600

MSBA 2010 Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)			
ROOM NFA ¹	# OF RMS	area totals	Comments
		23,060	
12,000	1	12,000	
3,000	1	3,000	
300	1	300	
6,860	1	6,860	5.6 sf/student total
500	1	500	
150	1	150	
250	1	250	separate male and female req'd
		7,556	
7,556	1	7,556	

Proposed Space Summary - Concord-Carlisle Regional High School - Option 14B

Concord-Carlisle Regional High School	Existing Conditions		
	ROOM NFA ¹	# OF RMS	area totals
ROOM TYPE			
AUDITORIUM / DRAMA			9,667
Auditorium (ex. 604 seats)	6,090	1	6,090
Stage	1,770	1	1,770
Wings 2 @ (15x40')			
Auditorium Storage	190	1	190
Theater Storage			
Make-up / Dressing Rooms			
Ex. outside portable units	504	3	1,512
Controls / Lighting / Projection	105	1	105
DINING & FOOD SERVICE			13,068
Cafeteria / Student Lounge/ Break-out	8,880	1	8,880
Chair / Table Storage			
Scramble Serving Area			
Kitchen	2,245	1	2,245
Dishwashing	330	1	330
Kitchen Office	165	1	165
Food Storage	260	1	260
Walk-in Cooler	95	1	95
Walk-in Freezer	55	1	55
Walk-in Freezer	80	1	80
Staff Lunch Room	860	1	860
Staff Lockers	60	1	60
Kitchen Staff Toilet	38	1	38
MEDICAL			690
Medical Suite Toilet	45	1	45
Nurses' Office/Waiting Room	500	1	500
Interview Room			
Examination Room / Resting	145	1	145

Proposed								
Existing to Remain/Renovated			New			Total		
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals
		0			10,400			10,400
			6,000	1	6,000			
			1,600	1	1,600			
			600	2	1,200			
			400	2	800			
			300	2	600			
			200	1	200			
		0			10,262			10,262
			6,125	1	6,125			
			456	1	456			
			600	1	600			
			2,525	1	2,525			
			556	1	556			
		0			1,110			1,110
			60	1	60			
			250	1	250			
			100	3	300			
			100	5	500			

MSBA 2010 Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)			
ROOM NFA ¹	# OF RMS	area totals	Comments
		10,400	
7,500	1	7,500	2/3 Enrollment @ 10 SF/Seat - 750 seats MAX
1,600	1	1,600	
500	1	500	
300	2	600	
200	1	200	
		10,262	
6,125	1	6,125	3 seatings - 155F per seat
456	1	456	
600	1	600	
2,525	1	2,525	1600 SF for first 300 + 1 SF/student Add'l
556	1	556	20 SF/Occupant
		1,110	
60	1	60	
250	1	250	
100	3	300	
100	5	500	

Proposed Space Summary - Concord-Carlisle Regional High School - Option 14B

Concord-Carlisle Regional High School	Existing Conditions		
	ROOM NFA ¹	# OF RMS	area totals
ROOM TYPE			
STUDENT SUPPORT (Adm. & Guidance)			8,462
Administrative Suite			3,545
General Office / Waiting Room	510	1	510
Teachers' Mail and Copy Room	190	1	190
Duplicating Room			
Records Room	55	1	55
Principal's Office w/ Conference Area	220	1	220
Principal's Secretary / Waiting	290	1	290
Assistant Principal's Office - AP1	145	1	145
Assistant Principal's Office - AP2	140	1	140
Registrar's Office	205	1	205
Conference Room	450	1	450
Ex Administrative Office / Work Room	125	1	125
Ex. kitchenette	85	1	85
Ex. Meeting / Work Room	1,130	1	1,130
METCO			515
METCO Director - Ex.	115	1	115
METCO Secretary - Ex.	100	1	100
METCO Tutoring - Ex.	300	1	300
Guidance Suite			2,452
Guidance Office	95	4	380
Guidance Office	112	1	112
Guidance Office	140	1	140
Guidance Office	90	1	90
	110	1	110
Social Adjustment Office	60	2	120
School Psychologist	60	1	60
Conference Room (share w/ SPED)	200	1	200
Guidance Waiting Room			
Guidance Storeroom			
Career Center	945	1	945
Records Room	70	1	70
Copy Room	65	1	65
Interns	40	4	160
Teachers' Work Room (Adult Support)			
Program Capacity (MSBA)			
Adult Support (Planning/Break/Kit)			
Student Service Programs			1,950
"Challenge" - Ex. Prog	1,050	1	1,050
"Planning" (in-house susp./Social worker) Ex.	680	1	680
Planning - Storage	220	1	220
"Network" (At-risk - Freshman level)			

Proposed								
Existing to Remain/Renovated			New			Total		
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals
		0			5,686			5,686
					2,470			2,470
			500	1	500			
			300	1	300			
			220	1	220			
			290	1	290			
			150	1	150			
			150	1	150			
			200	1	200			
			450	1	450			
			210	1	210			
					300			300
			200	1	200			
			100	1	100			
				13	1,478		13	1,478
			100	9	900			
			200	1	200			
			100	1	100			
			100	1	100			
			456	0	0			
			178	1	178			
			613	1	613		1	613
					825			825
			825	1	825			

MSBA 2010 Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)			
ROOM NFA ¹	# OF RMS	area totals	Comments
		4,979	
613	1	613	
100	1	100	
200	1	200	
200	1	200	
375	1	375	
125	1	125	
150	1	150	
150	1	150	
120	1	120	
450	1	450	
150	7	1,050	
100	1	100	
100	1	100	
456	1	456	this is not needed in cchs program
178	1	178	
613	1	613	

Proposed Space Summary - Concord-Carlisle Regional High School - Option 14B

Concord-Carlisle Regional High School	Existing Conditions		
	ROOM NFA ¹	# OF RMS	area totals
ROOM TYPE			
CUSTODIAL & MAINTENANCE		7	2,779
Custodian's Office			
Ex. Custodian's Office	450	1	450
Ex. Custodian's Office	75	1	75
Custodian's Workshop			
Ex. Maintenance Department	1,250	1	1,250
Custodian's Storage			
Ex. Custodian's Storage	80	1	80
Ex. Custodian's Storage	165	1	165
Ex. Custodian's Storage	255	1	255
Recycling Room / Trash			
Receiving and General Supply			
Storeroom			
Ex. trailer	504	1	504
Network/Telecom Room			
Existing included in gsf			
Ex. Grounds Equip. (incl. in gsf)			
Ex. Custodial Clos. (incl. in gsf)			
Ex. Telecom. Switch Clos. (incl. in gsf)			

Proposed								
Existing to Remain/Renovated			New			Total		
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals
		0			2,544			2,544
			150	1	150			
			250	1	250			
			375	1	375			
			400	1	400			
			456	1	456			
			713	1	713			
			200	1	200			

MSBA 2010 Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)			
ROOM NFA ¹	# OF RMS	area totals	Comments
		2,544	
150	1	150	
250	1	250	
375	1	375	
400	1	400	
456	1	456	
713	1	713	
200	1	200	

Proposed Space Summary - Concord-Carlisle Regional High School - Option 14B

Concord-Carlisle Regional High School	Existing Conditions		
	ROOM NFA ¹	# OF RMS	area totals
ROOM TYPE			
Total Building Net Floor Area (NFA) <i>(Program does not include a Field House)</i>			170,390
Proposed Student Capacity/Enrollment			
Total Building Gross Floor Area (GFA) ²			233,800
Ex. Permanent Building	230,050		
Ex. Temporary Buildings	3,750		
Grossing factor (GFA/NFA)			1.37

Proposed								
Existing to Remain/Renovated			New			Total		
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals
		9,850			155,742			165,592
		1,225			1,225			1,225
		16,275			225,826			242,101
		1.65			1.45			1.46

MSBA 2010 Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)			
ROOM NFA ¹	# OF RMS	area totals	Comments
		152,692	
		1,225	181
		221,725	
		1.45	

¹ Individual Room Net Floor Area (NFA)

Includes the net square footage measured from the inside face of the perimeter walls and includes all specific spaces assigned to a particular program area including such spaces as non-communal toilets and storage rooms.

² Total Building Gross Floor Area (GFA)

Includes the entire building gross square footage measured from the outside face of exterior walls

<p>Architect Certification</p> <p>I hereby certify that all of the information provided in this "Proposed Space Summary" is true, complete and accurate and, except as agreed to in writing by the Massachusetts School Building Authority, in accordance with the guidelines, rules, regulations and policies of the Massachusetts School Building Authority to the best of my knowledge and belief. A true statement, made under the penalties of perjury.</p> <p align="center">Name of Architect Firm: <u>OMR Architects</u></p> <p align="center">Name of Principal Architect: <u>Jeanne Kuespert Roberts, AIA</u></p> <p align="center">Signature of Principal Architect: _____</p> <p align="center">Date: _____</p>
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