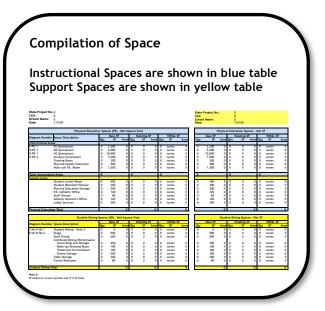
Introduction

During the development of the *Connecticut School Construction Standards and Guidelines*, extensive research was conducted into existing state and national instructional and support space size standards. It was determined that the size of the instructional spaces included in this Compilation of Space was the appropriate size to accommodate current and future student needs, project based delivery, children with disabilities, and multiple program delivery methods for twenty-five (25) students. Additionally, various administrative and building support spaces have been included for consideration when developing a building plan.

Development of the Compilation of Space should begin with a thorough understanding of current and future student instructional needs. LEAs are encouraged to consider contracting with a Design Professional whose function will be to assist the district and its stakeholders in developing/reviewing its educational mission, goals, and vision and then communicating that vision to the design team. This process should include administration, staff, students and interested community members.

After the highest projected enrollment report is complete, the number of students projected for each grade level is entered to determine the Maximum Reimbursable Gross Square Feet. The number of required instructional spaces is developed which guides the LEA and Design Professional in the selection of spaces.

Instructional Spaces (shown in blue tables) refer to spaces in: Academic Core, Special Education, Visual Arts, Music, Performing Arts, Career Technical Education, and Physical Education. All other spaces are considered to be Support Spaces (shown in yellow tables). Square-foot allocations may be moved from Support areas to Instructional areas, but not vice versa. Square footage shown for Instructional spaces represents the minimum size. However, a deviation in the size of instructional spaces of up to 10% plus or minus is allowed to accommodate variations in space layouts, including the addition of small group rooms or extended learning areas. Support space sizes may be changed, however, the maximum reimbursable gross square footage shall not be exceeded.



Measurement and Area Calculations for Building Spaces

Classrooms and other instructional spaces are sized to be flexible and adaptable to curricula of the future. Support areas, circulation, and building services are appropriately sized to support a range of design solutions. The following spaces shall be measured as indicated below when evaluating design solutions for compliance with the Compilation of Space:

Corridors: Stairs, ramps, and elevators shall be included in the Compilation of Space as Corridor area.

Stairs: Stair area shall be calculated as one hundred percent (100%) on the ground floor and fifty-percent (50%) on elevated floors. Area shall be calculated based on the total area inside the stair enclosure walls.

Elevators: Elevators shall be calculated as one hundred percent (100%) on the ground floor and zero percent (0%) on elevated floors.

Overhangs: Overhangs located at building entrances and exits do not count as area. Interior balconies are generally counted as circulation space.

Total Net Square Footage of a Room: Calculated as the measurement of the interior area, excluding the wall thickness. Measurements are taken from the inside face of the walls.

Total Gross Square Footage of the School Building: For the purpose of the computation of space calculations occurring in this chapter, total gross square footage is measured to the exterior face of the exterior walls.

Mechanical Equipment Space: Includes "traditional" mechanical equipment rooms and an elevated "walkable" space for mechanical equipment and its servicing. "Vaults" associated with mechanical systems are counted as mechanical room square footage.

The Compilation of Space is an inter-active spread sheet designed for the selection of instructional and support spaces. The active spreadsheet can be found on the Office of School Construction Grants & Review website.

Office of School Construction Grants &

Review

Phone: 860-713-6480 Fax: 860-713-7020

Website: CT.GOV and search Office of School

Construction Grants & Review

5000 Compilation of Space State Project Number: Local Educational Agency: School Name: Grade Configuration: PROJECTED STUDENT ENROLLMENT -Year Highest Projected Enrollme re-Kindergarten indergarten Grade 6 Grade 7 Grade 8 rade 1 rade 3 SF/Student REIMBURSEABLE SQUARE FOOTAGE SF/student Total Students SF/Student - Elementary School SF/Student - Middle School SF/ Student - High School Maximum Reimbursable Gross Square Feet 119-151 Note 3 Plan Re Exist SF riew Total SF PROGRAM AREAS Exist SF Total SF # Instr Area # Instr Area Academic Core Special Education Administration Media Center Visual Arts Music Music
Performing Arts / Auditorium
Life Skills/Tech/Bus Education
Physical Education
Student Dining
Food Service 0 **0** Custodial 0 **0** Subtotal - Net Square Feet 0 0 Building Services Subtotal - Net SF including Building Services 0 **0** 0.11 0.11 0.11 Construction Factor 0.11 0.11 0.11 Total Gross SF Programmed - Funded Difference Between Max. Reimb. Gross SF and Gross SF Programmed Facility Gross Square Footage [Funded + Unfunded]
Total Gross SF Programmed - Funded
Auditorium - Unfunded SF
Natatorium - Unfunded SF
Other - Unfunded SF
Total Gross SF of Facility 0 NOTES

Note 1: Cell F17 indicates the minimum number of total instructional areas to be provided.

Value shall be rounded up. Note 2: Values shown in cells F20-22 indicated the range of square foot per student based on the number of total students. Schools with larger enrollments will have fewer square feet per student. Note 3: Cell D23 indicates the total gross square footage of the new or renovated building. Note 4: The minimum number of instructional areas within the Academic Core area for Elementary Schools will be 100% of total. The minimum number of instructional areas Middle & High school Academic Core areas should be >= 67% of total. Note 5: Cell D46 indicates the difference between the Maximum Reimbursable Gross Square Footage and the Total Gross Square Feet Programmed. A negative number indicates additional SF can be added to the program. A positive number is SF that is not state funded. Connecticut School Construction Standards and Guidelines September 22, 2016

5000 Compilation of Space State Project No.: LEA: School Name: Date: State Project No. 0 LEA: 0 School Name: 0 Date: 1/0/00 Academic Core Spaces (AC) - Net Square Feet Academic Core Spaces - Net SF Existing SF

SF Area Qty Existing SF Diagram Number Space Description New SF Instructional Are E-AC-1 as
PreK-K Classroom
Kindergarten Classroom
ES Classrooms - Grades 1-5
MS Classrooms - Grades 6-8
HS Classrooms - Grades 9-12
Science Classroom - General/Physics
Science Classroom - Biology
Annicrations Lab varies varies varies varies varies 1,200 1,200 900 900 900 1,200 1,200 1,200 1,000 varies varies varies varies varies varies varies varies varies E-AC-1 E-AC-2 E-AC-2 N-AC-1 I-AC-1 I-AC-2 I-AC-2 I-AC-2 1,200 900 900 900 1,200 1,200 1,200 1,000 0 0 0 0 0 0 varies varies varies /M/H-AC-3 Applications Lab otal Instructional Areas PreK-K Restrooms Teacher Prep Workroom Staff Restroom Instructional Material Storage varies varies varies varies varies varies varies varies varies 60 300 60 200 150 300 60 300 60 200 150 300 varies varies varies Small Group Room Science Prep H-AC-4 Special Education Spaces (SE) - Net Square Feet Special Education Spaces - Net SF Space Description Diagram Number Space Cou 0 900 0 450 0 600 0 200 nstructiona :/M/H-AC-1 :/M/H-SE-1 :/M/H-AC-1 900 450 600 200 150 100 Self-contained Classroom Special Education/Resource 0 0 0 0 0 0 0 0 varies Small Self-contained Classroom OT/PT Room varies varies Workroom/Conference Restroom/Shower 150 100

Connecticut School Construction Standards and Guidelines September 22, 2016

2

5000 Compilation of Space State Project No. 0 State Project No.: LEA: School Name: School Name: Date: 1/0/00 1/0/00 Space Description

Reception Area
Secretarial Area
Principal's Office
Guidance Counselor's Office
Guidance Counselor's Office
Career Center
Itinerant Personnel Office
Security Office
Security Office
Parent/Volunteer Room
School Store
Health Clinic (incl. RR)
In-school Suspension
Conference Room
Mail/Work/Copy Room
Admin/Guidance Storage
Vault/Records Storage
Restroom 200 150 120 120 200 120 200 350 400 250 200 150 80 60 varies 200 150 120 120 200 120 200 350 400 250 200 150 80 60 varies E/M/H-AC-1 Media Center Spaces (MC) - Net Square Feet riagram Number Space Description Reading Room/Circulation - Note Multimedia Production Room Conference Room Media Specialist Office Workroom/Storage Main Server Room [MS] varies Visual Arts Spaces (VA) - Net Square Feet Visual Arts Spaces - Net SF Existing SF Space Description ES Art Room 0 -VA-1 MS Art Room HS Art Room 1,400 varies varies 1,400 0 varies varies Note 1: SF based on 10% of student enrollment x 35 SF/Student Connecticut School Construction Standards and Guidelines September 22, 2016

| State Project No. 0 | LEA: 0 | School Name: 0 | 1/0/00 |

Diagram Number	Space Description	New SF		7	Existing SF			TOTAL SF		
•		Qty	SF	Area	Qty	SF	Area	Qty	SF	Are
Instructional Are	as									
E-MU-1	ES Music Room	0	1,200	0	0	0	0	0	varies	0
M-MU-1	MS Instrumental/Band Room	0	1,200	0	0	0	0	0	varies	0
H-MU-1	HS Instrumental/Band Room	0	1,500	0	0	0	0	0	varies	0
M/H-MU-2	Vocal Room	0	1,500	0	0	0	0	0	varies	0
Total Instruction	al Areas	0			0			0		
Support Areas										
	Music Library/Storage	0	200	0	0	0	0	0	varies	0
	Music Office	0	120	0	0	0	0	0	varies	0
	Instrument Storage	0	350	0	0	0	0	0	varies	0
	Uniform Storage	0	200	0	0	0	0	0	varies	0
	Ensemble Room	0	200	0	0	0	0	0	varies	0
	Practice Room	0	80	0	0	0	0	0	varies	0
Music Total				0			0			0

State Project No.:	0	
LEA:	0	
School Name:	0	
Date:	1/0/00	

	Music Spaces - Net SF										
	New SF		E	xisting S	SF		TOTAL	SF			
Qty	SF	Area	Qty	SF	Area	Qty	SF	Area			
0	1,200	0	0	0	0	0	varies	0			
0	1,200	0	0	0	0	0	varies	0			
0	1,500	0	0	0	0	0	varies	0			
0	1,500	0	0	0	0	0	varies	0			
0			0			0					
0	200	0	0	0	0	0	varies	0			
0	120	0	0	0	0	0	varies	0			
0	350	0	0	0	0	0	varies	0			
0	200	0	0	0	0	0	varies	0			
0	200	0	0	0	0	0	varies	0			
0	80	0	0	0	0	0	varies	0			
		0			0			0			

Diag. No.	Space Description		New SF		Existing SF			TOTAL SF		
Diag. No.	space bescription	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
Instructional	Areas									
H-PA-1	Auditorium - Note 1	0	0	0	0	0	0	0	varies	0
H-PA-2	Orchestra Pit	0	600	0	0	0	0	0	varies	0
H-PA-3	Stage Area (includes Wings)	0	600	0	0	0	0	0	varies	0
Total Instruct	cional Areas	0			0			0		
Support Areas										
	Scene Shop Storage	0	1,200	0	0	0	0	0	varies	0
	Make-up/Dressing Room	0	200	0	0	0	0	0	varies	0
	Green Room	0	200	0	0	0	0	0	varies	0
	Costume Storage	0	200	0	0	0	0	0	varies	0
	Control Room	0	100	0	0	0	0	0	varies	0
	Lobby/Concessions/Gallery	0	100	0	0	0	0	0	varies	0
	Ticket Booth	0	80	0	0	0	0	0	varies	0
	Storage	0	200	0	0	0	0	0	varies	0
	Theater/Drama Office	0	120	0	0	0	0	0	varies	0
Performing A	rts Total			0			0			_

	Perfo	rming A	Arts Sp	aces - A	Performing Arts Spaces - Auditorium - Net SF									
	New SF		E	xisting S	SF		TOTAL S	F						
Qty	SF	Area	Qty	SF	Area	Qty	SF	Area						
0	0	0	0	0	0	0	varies	0						
0	600	0	0	0	0	0	varies	0						
0	600	0	0	0	0	0	varies	0						
0			0			0								
0	1,200	0	0	0	0	0	varies	0						
0	200	0	0	0	0	0	varies	0						
0	200	0	0	0	0	0	varies	0						
0	200	0	0	0	0	0	varies	0						
0	100	0	0	0	0	0	varies	0						
0	100	0	0	0	0	0	varies	0						
0	80	0	0	0	0	0	varies	0						
0	200	0	0	0	0	0	varies	0						
0	120	0	0	0	0	0	varies	0						
		0			0			0						

Note 1: Funding for Auditorium seating SF is based on 50% of the student enrollment. Unfunded SF is added on the Info & Totals page.

	Career Techr	nical Education	Spaces (A	AC) - Net	Squar	e Feet					
Diagram Number	Space Description		New SF			Existing SF			TOTAL SF		
Diagraili Nulliber	space bescription	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	
Instructional Are	as										
E/M/H-AC-3	Applications Lab	0	1,200	0	0	0	0	0	varies	0	
Total Instruction	al Areas	0			0			0			
Support Areas											
	Storage	0	120	0	0	0	0	0	varies	0	
Career Technical	Total			0			0			0	

	Care	er Tech	nnical	Education	Space	es - N	et SF	
	New SF			Existing S	g SF TOTAL SF			SF
Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
0	1,200	0	0	0	0	0	varies	0
0			0			0		
0	120	0	0	0	0	0	varies	0
		0			0			0

Connecticut School Construction Standards and Guidelines September 22, 2016

State Project No. 0 LEA: 0 School Name: 0 Date: 1/0/00

	School Nam Date:
	New
Area	Qty

State Project No.: LEA: 0 0 0 1/0/00

N N	Caraca Danamintalan		New SF		E	xisting	SF		TOTAL S	F
Diagram Number	Space Description	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
Instructional Are										
E-PE-1	ES Gymnasium	0	2,500	0	0	0	0	0	varies	0
M-PE-1	MS Gymnasium	0	5,000	0	0	0	0	0	varies	0
H-PE-1	HS Gymnasium	0	10,000	0	0	0	0	0	varies	0
H-PE-2	Auxiliary Gymnasium	0	7,000	0	0	0	0	0	varies	0
	Training Room	0	300	0	0	0	0	0	varies	0
	Physical Health Classroom	0	900	0	0	0	0	0	varies	0
	Multi-use P.E. Room	0	1,500	0	0	0	0	0	varies	0
Total Instruction	al Areas	0			0			0		
Support Areas										
	Student Locker Room	0	400	0	0	0	0	0	varies	0
	Student Restroom/Shower	0	200	0	0	0	0	0	varies	0
	Physical Education Storage	0	200	0	0	0	0	0	varies	0
	P.E./Athletic Office	0	120	0	0	0	0	0	varies	0
	Staff Shower	0	80	0	0	0	0	0	varies	0
	Athletic Director's Office	0	120	0	0	0	0	0	varies	0
	Lobby Services	0	200	0	0	0	0	0	varies	0
	*	0								
Physical Education	on Total			0			0			0

	1	Physica	l Educ	ation Spa	aces - I	Net S	F	
	New SF		E	xisting S	F		TOTAL	SF
Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
0	2,500	0	0	0	0	0	varies	0
0	5,000	0	0	0	0	0	varies	0
0	10,000	0	0	0	0	0	varies	0
0	7,000	0	0	0	0	0	varies	0
0	300	0	0	0	0	0	varies	0
0	900	0	0	0	0	0	varies	0
0	1,500	0	0	0	0	0	varies	0
0			0			0		
0	400	0	0	0	0	0	varies	0
0	200	0	0	0	0	0	varies	0
0	200	0	0	0	0	0	varies	0
0	120	0	0	0	0	0	varies	0
0	80	0	0	0	0	0	varies	0
0	120	0	0	0	0	0	varies	0
0	200	0	0	0	0	0	varies	0
I								
		0			0			0

Diagram Numb	or Cases Description		New SF		E	xisting	SF		TOTAL SI	
Diagram Numb	er Space Description	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
E/M/H-SD-1	Student Dining - Note 2	0	0	0	0	0	0	0	varies	0
E/M/H-SD-2	Stage	0	900	0	0	0	0	0	varies	0
	Staff Dining	0	600	0	0	0	0	0	varies	0
	Combined Dining/Performance									
	Scene Shop and Storage	0	450	0	0	0	0	0	varies	0
	Make-up/Dressing Room	0	100	0	0	0	0	0	varies	0
	Theatrical Control Room	0	100	0	0	0	0	0	varies	0
	Drama Storage	0	200	0	0	0	0	0	varies	0
	Table Storage	0	200	0	0	0	0	0	varies	0
	Family Restroom	0	80	0	0	0	0	0	varies	0
Student Dining	! Total			0			0			-

		Stude	nt Di	ning Space	s - Ne	t SF		
	New SF			Existing SI	F		TOTAL	SF
Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
0	0	0	0	0	0	0	varies	0
0	900	0	0	0	0	0	varies	0
0	600	0	0	0	0	0	varies	0
0	450	0	0	0	0	0	varies	0
0	100	0	0	0	0	0	varies	0
0	100	0	0	0	0	0	varies	0
0	200	0	0	0	0	0	varies	0
0	200	0	0	0	0	0	varies	0
0	80	0	0	0	0	0	varies	0
		-						
		0			0			0

Note 2: SF based on 3 lunch periods and 17.5 SF/Seat

Connecticut School Construction Standards and Guidelines September 22, 2016

5000 Compilation of Space State Project No. 0 LEA: 0 School Name: 0 Date: 1/0 State Project No.: LEA: School Name: Date: 1/0/00 1/0/00 Food Service Spaces (FS) - Net Square Feet Diagram Number Space Description Warming Kitchen Kitchen Preparation Area Serving Area Dry Food Storage Cooler/Freezer Ware Washing E/M/H-FS-1 E/M/H-FS-1 E/M/H-FS-1 E/M/H-FS-1 E/M/H-FS-1 varies 0 0 0 0 0 75 140 Dietician Office Restroom/Locker Rm Custodial Spaces (CU) - Net Square Feet Existing SF Diagram Number Space Description Workroom Custodial Office 200 100 varies varies 200 100 Building Services Spaces (BS) - Net Square Feet **Building Services Spaces - Net SF** Diagram Number Space Description E/M/H-BS-1 Large Group Restrooms varies Custodial Closet Electrical Closet Telecommunications Room (TR) Telecommunications Room (TR)
Corridors
Vertical Circulation
Mechanical/Electrical Space/Decks
Storage Area
Central Storage Area
Loading/Receiving Area
Restroom
Recycling Room E/M/H-BS-2 200 250 120 60 100 Connecticut School Construction Standards and Guidelines September 22, 2016

State Project No.:	0	
LEA:	0	
School Name:	0	
Date:	1/0/00	

				•	Feet					
Diag. No.	Space Description	New SF				xisting		TOTAL SF		
olug. 110.	Space Description	Qty	SF	Area	Qty	SF	Area	Qty	SF	Are
nstructional Areas										
	Main Pool - 25 yds x 50 meters	0	12,304	0	0	0	0	0	varies	
	Deck - 10 ft. side + 15 ft. ends	0	6,422	0	0	0	0	0	varies	
	Bleachers - 1/4 student enrollmer	0	0	0	0	0	0	0	varies	
	Fitness Room	0	2,500	0	0	0	0	0	varies	
	Training Room	0	300	0	0	0	0	0	varies	
	Classroom	0	900	0	0	0	0	0	varies	
	Multi-use Room	0	1,500	0	0	0	0	0	varies	
otal Instruct	ional Areas	0			0			0		_
upport Areas										
	Locker Rooms	0	400	0	0	0	0	0	varies	
	Restroom/Shower	0	200	0	0	0	0	0	varies	
	Storage	0	200	0	0	0	0	0	varies	
	Office	0	120	0	0	0	0	0	varies	
	Staff Shower	0	80	0	0	0	0	0	varies	
	Concessions	0	120	0	0	0	0	0	varies	
	Lobby Services	0	200	0	0	0	0	0	varies	
atatorium S	ub Total	\vdash		0			0			

		Nata	torium	Spaces ·	Net SF				
New SF			E	xisting S	F	TOTAL SF			
Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	
0	12,304	0	0	0	0	0	varies	0	
0	6,422	0	0	0	0	0	varies	0	
0	0	0	0	0	0	0	varies	0	
0	2,500	0	0	0	0	0	varies	0	
0	300	0	0	0	0	0	varies	0	
0	900	0	0	0	0	0	varies	0	
0	1,500	0	0	0	0	0	varies	0	
0			0			0			
0	400	0	0	0	0	0	varies	0	
0	200	0	0	0	0	0	varies	0	
0	200	0	0	0	0	0	varies	0	
0	120	0	0	0	0	0	varies	0	
0	80	0	0	0	0	0	varies	0	
0	120	0	0	0	0	0	varies	0	
0	200	0	0	0	0	0	varies	0	
		0			0			0	

Diagram Number	Space Description	New SF			Existing SF			TOTAL SF		
Diagram Namber	Space Description		SF	Area	Qty SF		Area	Qty	SF	Are
E/M/H-BS-1	Large Group Restrooms	0	0	0	0	0	0	0	varies	
	Custodial Closet	0	50	0	0	0	0	0	varies	
	Electrical Closet	0	50	0	0	0	0	0	varies	
	Telecommunications Room (TR)	0	64	0	0	0	0	0	varies	
I/M/H-BS-2	Corridors	0	0	0	0	0	0	0	varies	
	Vertical Circulation	0	0	0	0	0	0	0	varies	
	Mechanical/Electrical Space/Deck	0	0	0	0	0	0	0	varies	
	Storage Area	0	200	0	0	0	0	0	varies	
	Central Storage Area	0	250	0	0	0	0	0	varies	
	Loading/Receiving Area	0	120	0	0	0	0	0	varies	
	Restroom	0	60	0	0	0	0	0	varies	
	Recycling Room	0	100	0	0	0	0	0	varies	
Building Services Total				0			0			_

Building Services Spaces - Net SF									
	New SF	_	Existing S	F	TOTAL SF				
Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	
0	0	0	0	0	0	0	varies	0	
0	50	0	0	0	0	0	varies	0	
0	50	0	0	0	0	0	varies	0	
0	64	0	0	0	0	0	varies	0	
0	0	0	0	0	0	0	varies	0	
0	0	0	0	0	0	0	varies	0	
0	0	0	0	0	0	0	varies	0	
0	200	0	0	0	0	0	varies	0	
0	250	0	0	0	0	0	varies	0	
0	120	0	0	0	0	0	varies	0	
0	60	0	0	0	0	0	varies	0	
0	100	0	0	0	0	0	varies	0	
		0			0			0	
		0			0			0	

Note 1: Natatorium funding is based on a portion of the student enrollment. For more information contact Office of School Construction Grants and Review.

Connecticut School Construction Standards and Guidelines September 22, 2016

