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ABSTRACT

This booklet provides guidelines for school planners and designers on the state requirements for space allocation in its K-12 public schools. Recommendations are included for various specialized facilities to assure that proper spaces can be provided beyond the typical classroom space. Guidelines are arranged under the categories of instructional, auxiliary, and service and structure spaces. Also included are guidelines for site development and planning, and a table of working heights and toilet fixture guidelines for educational occupancies. (GR)



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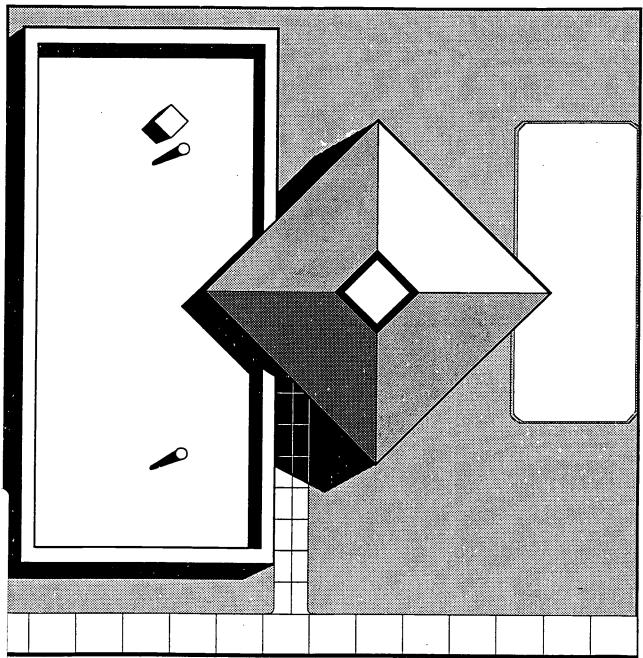
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Planning Educational Facilities



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Revised

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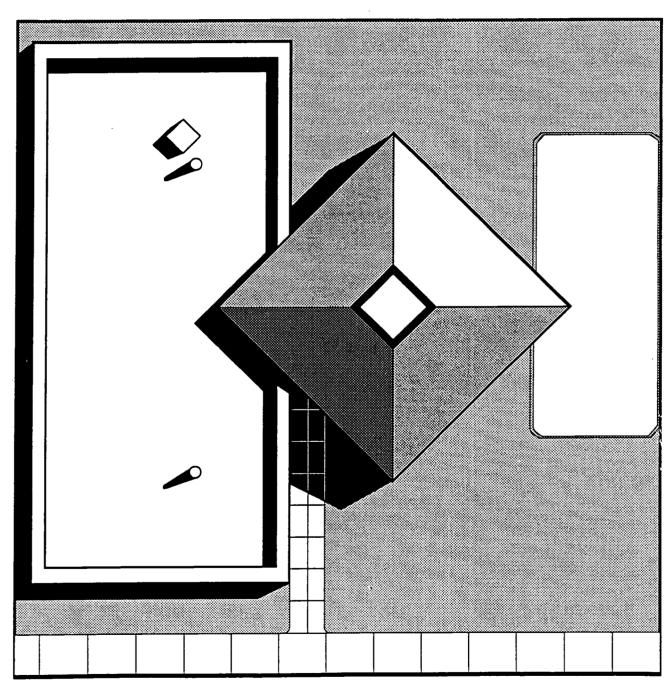
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Planning for Education:

Space Guidelines for Planning Educational Facilities





Sandy Garrett

State Superintendent of Public Instruction

Oklahoma State Department of Education

Revised 1998

PLANNING FOR EDUCATION: SPACE GUIDELINES FOR PLANNING EDUCATIONAL FACILITIES

Prepared by:

State Finance Division: Capital Improvement Section Common School Capital Improvement Needs Assessment Committee

Revised

1998

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FOREWORD

In 1983 the Oklahoma Legislature passed Senate Bill No. 625. This bill states in part:

SECTION 2. It is hereby declared to be the intent of the Legislature to assure that students in the public schools of this State occupy facilities which are designed for adaptability to program offerings. Such facilities should be structurally safe, well-maintained and contain adequate space to meet the instructional needs of each student. It is further declared to be the intent of the Legislature that these facility standards be implemented through the Common School Capital Improvement Act.

These space guidelines for planning educational facilities have been prepared for use by school administrators and architects/engineers/planners in the planning and evaluation of new and existing educational facilities. These space guidelines were developed in conjunction with the State Four-Year Capital Improvement Plan for Public Common Schools with the purpose of defining, organizing and encouraging the process of planning for educational facilities to the extent that more adequate environments for education can be obtained. Effective and wise facility planning does not occur accidentally, but through careful studies that are sensitive to the specific individual needs of the school district. The guidelines contained herein cover only part of the information involved in the total planning process, and should be considered as recommendations to be used in preparing educational specifications based on the individual district's needs. The careful use of these standards should aid school districts in their responsibility to spend capital outlay dollars more advantageously and therefore better utilize the taxpayers' money.

School administrators, and architects/engineers/planners are encouraged to consult with Capital Improvement and State Department of Education specialists for assistance in planning individual specialized spaces such as library/media centers, cafeterias, etc.



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COMMENTARY/INSTRUCTIONS FOR USE

- 1. The guidelines included herein have been designed to allow for the requirements of all Oklahoma school districts regardless of size or educational program. Recommendations have been included for various specialized facilities to assure that proper spaces can be provided beyond the typical classroom space. These guidelines should not be considered "inflexible" when planning educational spaces; "tailoring" of spaces to meet the specific individual district needs is mandatory; however, the use of square footage that are less than the minimum acceptable recommendation should be carefully considered. Effective and wise facility planning must include both the present and future needs of a school district. It is extremely difficult, but not impossible, to provide an adequate and sound educational program without a comparable school plant.
- 2. Throughout this publication for the purposes of organization, guidelines for facilities have been arranged under the following categories:

Instructional Spaces	Auxiliary Spaces	Service and Structure Spaces
Kindergarten	Administration	Custodial
General Classrooms and Laboratories	Auditorium Food Preparation,	General Storage Restrooms
Arts and Crafts	Service and	Mechanical Rooms
Business and Commercial	Dining Facilities	Corridors and Wall
Consumer Home Economics	Guidance and	Areas
Driver Education	Counseling	
Health Instruction	Nurse/Health Clinic	
Instructional Vocational	Music	
Physical Science	Physical Education	
Special Education	Staff Personnel Spaces	
Specialized Spaces	Student Space	
Vocational Agriculture		
Vocational-Technical		

- 3. All square footage shown, unless otherwise noted, are net square feet and do not include circulation, mechanical and electrical spaces, and wall area. For approximate gross square footage, add 20 percent to the total net area.
- 4. Related service or support area entries have been included in the space guidelines after the major activity listing. Except where noted otherwise, the square footage requirements associated with these entries should be considered in addition to the square footage outlined for the major activity. It is up to each school district to carefully consider what effect the inclusion or exclusion of square footage affirmed to service or support areas will have on the program offered in that space both now and in the future.
- 5. Full consideration should be given to which major activities, as well as which service and support areas, are included in the planning of space requirements of present and future educational programs. Evaluation of space allocations in other grade organizations should be considered if education programs are more or less extensive than that indicated.
- 6. Assistance in evaluating space requirements is available from the Capital Improvement Section of the State Department of Education.



PRELIMINARY SPACE PLANNING GUIDELINES

Suggested Methods of Calculating Preliminary Net and Gross Square Footage for School Buildings

Total Gross Area (Sq. ft. Per Student)
46.86
34.53
6.6
87.99
73.75 41.25 7.7 122.7
75.00
75.00
46.75
9 130.75

NOTES:

- (1) The Total Net square footage include space requirements for corridors, but exclude area required for walls. For conversion to gross square footage: net sq. ft. (1.24) = gross sq. ft.
- (2) All preliminary space guidelines are based on a minimum student capacity of 450.

Auxiliary Spaces Included:	Service and Structure Spaces Included:
Administration Food Preparation Facilities Guidance and Counseling Nurse/Health Clinic Media Center/Library Multipurpose Room Music	Custodial General Storage Restrooms
	Included: Administration Food Preparation Facilities Guidance and Counseling Nurse/Health Clinic Media Center/Library Multipurpose Room

(4) These figures do not include space requirements for technical and vocational programs which should be added if they so apply.



SPACE GUIDELINES FOR ELEMENTARY SCHOOLS (K-6) Acceptable Minimum Recommended Square Total Net Total Net Area Feet Per Area In Student Capacity Student Square Feet In Square Feet **Activity** INSTRUCTIONAL **SPACES** KINDERGARTEN General Instructional Area 20 36-40 720 800 95 105 Material Storage Student Storage 25 35 60 25 Student Toilet (1) 60 Kitchenette 2500 100-125 2000 Outside Play Area 20 55 45 Outside Storage GENERAL CLASSROOMS AND **LABORATORIES - GRADES 1-6** 28-36 560 720 20 General Classrooms 70 80 Material Storage 25 35 Student Storage ARTS AND CRAFTS 800 Instructional/Laboratory Area 20 36-40 720 150 100 Material Storage 100 150 Project Storage 60 Kiln 55 20 Project Display Area **SPECIAL EDUCATION (2)** 780 45-65 720 Educable Mentally Handicapped 12 70 75 Material Storage 50 Outside Storage 45 Student Storage 25 30 45-75 700 750 Trainable Mentally Handicapped 10 70 75 Material Storage 45 50 Outside Storage Student Storage 25 30 40 45 Student Toilet 750 90-150 625 Severe and Profoundly Handicapped 5 75 70 Material Storage 30 25 Student Storage Student Toilet and Bath 90 100 Physically Handicapped (Classroom) 640 800 8 80-100 70 75 Material Storage 50 45 Outside Storage 30 25 Student Storage 90 100 Student Toilet and Bath 640 800 8 80-90 **Emotionally Disturbed** 30 25 Student Storage

. . . .



⁽¹⁾ See Page 25 for toilet fixture recommendations.

⁽²⁾ Consult State Department of Education specialists for planning guide and/or assistance.

AUXILIARY SPACES						
FOOD PREPARATION, SERVICE	E AND					
DINING FACILITIES (1)						:
Kitchen	200	400	600	1000	1400	1600
Receiving	80 sq. ft.	100 sq. ft.	120 sq. ft.	160 sq. ft.	180 sq. ft.	200 sq. ft.
Dry Food Storage	80 sq. ft.	100 sq. ft.	280 sq. ft.	480 sq. ft.	640 sq. ft.	840 sq. ft.
Non-Food Storage	15 sq. ft.					
Preparation Area	475 sq. ft.	660 sq. ft.	840 sq. ft.	960 sq. ft.	1320 sq. ft.	1400 sq. ft.
Refrigeration Storage	160 sq. ft.	160 sq. ft.	160 sq. ft.	180 sq. ft.	320 sq. ft.	320 sq. ft.
Dishwashing Area	120 sq. ft.	120 sq. ft.	120 sq. ft.	240 sq. ft.	240 sq. ft.	240 sq. ft.
Office/Locker Area/Toilet	40 sq. ft.	80 sq. ft.	120 sq. ft.	180 sq. ft.	480 sq. ft.	320 sq. ft.
Serving Area	300 sq. ft.	450 sq. ft.	600 sq. ft.	600 sq. ft.	900 sq. ft.	1200 sq. ft.
Dining Area	2400 sq. ft.	2400 sq. ft.	2400 sq. ft.	3995 sq. ft.	5590 sq. ft.	7200 sq. ft.

MEALS SERVED PER DAY

FOOD PREPARATION, SERVICE A	AND	-		
DINING FACILITIES				
ALTERNATE METHOD	100-200	200-400	400-600	600-1000
Kitchen (including all related				
functions)	800-1000 sq. ft.	1000-1500 sq. ft.	1500-1800 sq. ft.	1800-2000 sq. ft.
Dining Area	Minimum 10 sq.	ft. per person		

Activity	Student Capacity	Square Feet Per Student	Acceptable Minimum Total Net Area In Square Feet	Recommended Total Net Area In Square Feet
ADMINISTRATION				
Principal's Office			125	150
Reception/Secretarial Area			200	250
Office Workroom and Storage			200	300
Conference Room			200	300
Records/Vault			60	75
Itinerant Office			100	120
Book/General Storage			125	200
STAFF PERSONNEL SPACE				
Teacher's Workroom and Storage			150	200
Kitchenette			-	60
Staff Toilet - Individual (Each) (2)			45	65
GUIDANCE AND COUNSELING				
Counselor's Office			100	
NURSE/HEALTH CLINIC				0.00
Office, Examing Room, Cot Area			230	260
Storage				(0
Toilet (2)			50	60

- Consult State Department of Education specialists for planning guide and/or assistance.
 See Page 25 for toilet fixture recommendations.



(K-6)

				(K-6)
Activity	Student Capacity	Square Feet Per Student	Acceptable Minimum Total Net Area In Square Feet	Recommended Total Net Area In Square Feet
MEDIA CENTER/LIBRARY (1)				
Reading/Browsing	10% of Enrollment Excluding Kg or a Maximum of 100 student	n	1400	-
Office/Workroom			100	200
AV Storage			300	400
Story Telling Pit	30	10	<u> </u>	
MULTIPURPOSE (1)				
Play/Dining	100% of Enrollment	12 - 18	2400	-
Stage			-	300
Equipment Storage			100	250
Chair, Table Storage			100	250
Kitchen and Service			See Page 4	
MUSIC				
Instructional/Practice (14' to 16' Ceiling Height)	20	36 - 40	720	800
Material Storage			75	100
Instrument Storage (Secured)			<u> </u>	<u> 200</u>
PHYSICAL EDUCATION				
P.E. Gymnasium	85	40 - 42.5	3400	3600
Storage			100	150
SERVICE AND STRUCTU	RE SPACES			
RESTROOMS				
Student Toilet (2)	100% of			
	Enrollment	1.25 - 1.5	-	-
Classroom Toilet (2)			25	
CUSTODIAL				
Custodial Closet	Min. One per Floor, One fo	r		
	every 8000 so	լ. ու.		60
141 1 1	of floor area		75	90
with mop sink			75 75	90
Custodial Office	Oma laalian		13	70
Locker Room	One locker pe employee	- I	AE	Needs Vary 65
Toilet (2)			45	
Workshop	.			Needs Vary
Storage - Materials, I				
Custodial Supplies R	eceiving and		60	100
Shipping Area			60	100

Consult State Department of Education specialists for planning guide and/or assistance. See Page 25 for toilet fixture recommendations.

⁽¹⁾ (2)



(K-6)

Activity	Student Capacity	Square Feet Per Student	Acceptable Minimum Total Net Area In Square Feet	Recommended Total Net Area In Square Feet
STORAGE			-	
General Storage				Needs Vary
Exterior Storage				Needs Vary
Grounds Maintenance			75	125
Equipment				
Physical Education Equipment	t		100	150
Storage				
Flammable Material Storage				Needs Vary
MECHANICAL ROOMS, CORE	RIDORS			
AND WALL AREA				
Should not utilize more than 20%	of			
the gross square foot area of the b	uilding			



SPACE GUIDELINES	FOR MIDD	LE/JUNIOR	HIGH SCHOOLS	(7-8, 7-8-9)
		_	Acceptable	•
			Minimum	
		Square	Total Net	Recommended
	Student	Feet Per	Area In	Total Net Area
Activity	Capacity	Student	Square Feet	In Square Feet
INSTRUCTIONAL SPACES				
GENERAL CLASSROOMS AND				
LABORATORIES				
General Classrooms	25	28 - 36	700	900
Material Storage			70	
ARTS AND CRAFTS				
Instructional/Laboratory Area	28	38 - 42	1100	1200
Material Storage			140	150
Project Storage			140	150
Kiln			55	60
Project Display Area			•	20
BUSINESS AND COMMERCIAL				
Business Education	28 - 30	35 - 40	1000	1200
Material Storage			50	75
CONSUMER HOME ECONO				
Homemaking (Based on a one	-teacher			
introductory unit)				
Instructional Area	28	48 - 54	1350	1500
Material Storage			120	150
Home Economics (Comprehens	ive)			
Instructional Area	38	64 - 85	2400	3200
(Includes one or more de	sign			
features such as fitting at	ea,			
laundry, kitchen, materia	1			
storage, or textile work a		_ <u></u>		
PHYSICAL SCIENCE				
Science Demonstration Classro	om 30	30 - 33	900	1000
Material Storage	<u> </u>		100	140
SPECIAL EDUCATION (1)				
Educable Mentally Handicapped	12	45 - 65	720	780
Material Storage			70	75
Trainable Mentally Handicappe	d 10	45 - 75	700	750
Material Storage			70	75
Student Toilet (2)			40	45
Severely/Profoundly	5	90 - 150	625	750
Handicapped				
Material Storage			70	75
Student Storage			25	30
Student Toilet and Bath (2)		90	100

Consult State Department of Education specialists for planning guide and/or assistance.
 See Page 25 for toilet fixture recommendations.



(7-8, <u>7-8-9)</u>

Activity	Student Capacity	Square Feet Per Student	Acceptable Minimum Total Net Area In Square Feet	Recommended Total Net Area In Square Feet
SPECIAL EDUCATION CONTINUE		00 100	640	800
Physically Handicapped (Classroom	om) 8	80 - 100	640 70	800 75
Material Storage Student Toilet and Bath (1)			70 9 0	100
•	8	80 - 90	90 640	800
Emotionally Disturbed	8	80 - 90	70	75
Material Storage			70 25	73 30
Student Storage SPECIALIZED SPACES	-			0.0
Green House - Attached				Needs Vary
VOCATIONAL-TECHNICAL				14ccus vary
Industrial Arts - General Shop				
Work Area	25	40 - 48	1000	1200
Planning/Classroom	23	40 - 40	700	750
Material Storage			200	270
Project Storage			190	210
Finishing Area			190	210
Toilet/Lavatory (1)			100	150
AUXILIARY SPACES			100	
ADMINISTRATION				
Principal's Office			125	150
Other Administrative Personnel			100	120
(Per office)				
Office Workroom and Storage			250	350
Conference Room			300	400
Records/Vault			60	75
Itinerant Office			100	120
Book/General Storage			125	200
STAFF PERSONNEL SPACE				
Teacher's Workroom and Storage			200	300
Kitchenette			•	60
Staff toilet - Individual (Each) (1)		45	65
GUIDANCE AND COUNSELING				
Counselor's Office (Each)			100	120

⁽¹⁾ See Page 25 for toilet fixture recommendations.



Activity	Student Capacity	Square Feet Per Student	Acceptable Minimum Total Net Area In Square Feet	Recommended Total Net Area In Square Feet
AUDITORIUM (1) (2)				
General Seating	600	7	4200	-
Gallery and Lobby Area			1000	-
Standard Proscenium		•		
Stage and Off-Stage Area			3000	-
General Storage			150	-
Storage/Properties Storage			600	-
Stage Dressing Rooms (Each)			200	-
Public Toilets (Each) (3)			150	•
Lecture Area				
(Two-Room Unit 1250 sq.ft.	each)		2500	-
Lecture Area (One-Room Unit)	•		2500	<u>-</u>

			MEALS S	<u>SERVED PER</u>	<u>DAY</u>	
FOOD PREPARATION, SERV	/ICE AND					
DINING FACILITIES (1)	200	400	600	1000	1400	1600
Kitchen						
Receiving	80 sq. ft.	100 sq. ft.	120 sq. ft.	160 sq. ft.	180 sq. ft.	200 sq. ft.
Dry Food Storage	80 sq. ft.	180 sq. ft.	280 sq. ft.	480 sq. ft.	640 sq. ft.	840 sq. ft.
Nonfood Storage	15 sq. ft.	15 sq. ft.	15 sq. ft.	15 sq. ft.	15 sq. ft.	15 sq. ft.
Preparation Area	475 sq. ft.	600 sq. ft.	840 sq. ft.	960 sq. ft.	1320 sq. ft.	1400 sq. ft.
Refrigerated Storage	160 sq. ft.	160 sq. ft.	160 sq. ft.	180 sq. ft.	320 sq. ft.	320 sq. ft.
Dishwashing Area	120 sq. ft.	120 sq. ft.	120 sq. ft.	240 sq. ft.	240 sq. ft.	240 sq. ft.
Office/Locker Area/						
Toilet	40 sq. ft.	80 sq. ft.	120 sq. ft.	180 sq. ft.	240 sq. ft.	320 sq. ft.
Serving Area	300 sq. ft.	450 sq. ft.	600 sq. ft.	600 sq. ft.	900 sq. ft.	1200 sq. ft.
Dining Area	2400 sq. ft.	2400 sq. ft.	2400 sq. ft.	3995 sq. ft.	5590 sq. ft.	7200 sq. ft.
			MEALS S	SERVED PER	DAY	_

ł	FOOD PREPARATION, SERVICE	AND			
1	DINING FACILITIES				
	ALTERNATE METHOD	100-200	200-400	400-600	600-1000
	Kitchen (including all related				_
ļ	functions)	800-1000 sq. ft.	1000-1500 sq. ft.	1500-1800 sq. ft.	1800-2000 sq. ft.
	Dining Area	Minimum 10 sq.	ft. per person		

- Consult State Department of Education specialists for planning guide and/or assistance. Multi-use of this space is encouraged. (1) (2) (3)
- See appropriate building code for toilet fixture recommendations.



				<u>(7-8, 7-8-9)</u>
Activity	Student Capacity	Square Feet Per Student	Acceptable Minimum Total Net Area In Square Feet	Recommended Total Net Area In Square Feet
NURSE/HEALTH CLINIC				
Office/Examining Room/				
Cot Area			230	260
			70	80
Storage				60
Toilet			50	
MEDIA CENTER/	100 -5			
LIBRARY (1)	10% of Enrollment or a			
Reading/Browsing	Maximum of 100 Students	40 - 45	1400	-
Office/Workroom			150	200
AV Storage			300	400
MULTIPURPOSE (1)		_		
Play/Dining	100% of			
1	Enrollment	12 - 18	2400	-
Stage			-	300
Equipment Storage			100	250
Chair, Table Storage			100	250
Kitchen and Service			See Page 9	
MUSIC				
Vocal Classroom		20 22	000	1000
(14' to 16' Ceiling Height	1) 30	30 - 33	900	1000
Practice Room			35	40
Music Library			80	90
Office/Reference/Storage		•	100	120 130
Material Storage			120	130
Band/Instructional/Practic		20 27	150 1000	1100
(14' to 16' Ceiling Height	t) 30	30 - 37	250	300
Ensemble Storage			35	40
Practice Room (Each)				250
Office/Reference/Storage			200 120	130
Material Storage			200	400
Instrument Storage (Secur	rea)		100	4 00
Uniform Storage			100	
PHYSICAL EDUCATION	ina Uaigh Min \			
Gymnasium (Main) (20' Ceili Basketball Court (50' x 8	•		6600	-
8' safety lanes Spectator Seating	500	4	2000	-
Lobby (Based on seating approx. 500)	for		500	•

⁽¹⁾ Consult State Department of Education specialists for planning guide and/or assistance.



				<u>(7-8, 7-8-9)</u>
Activity	Student Capacity	Square Feet Per Student	Acceptable Minimum Total Net Area In Square Feet	Recommended Total Net Area In Square Feet
PHYSICAL EDUCATION (Conti	nued)			
Gymnasium (Continued)				
Public Toilets (1)			300	•
Concession			120	•
Trophy Display			30	-
P. E. Dressing Rooms				
Locker/Dressing Area	50	12	600	•
Shower Area	50	4	200	-
Drying Area	50	2	100	•
Toilet (1)	50	2	100	-
P. E. Activity Room			1200	-
Office and Storage				
Office			100	-
Toilet and Shower			90	-
Storage (General)			150	
Storage (Equipment)			360	-
Multipurpose Room	165	8.5	1400	-
Weight Room	89	4.5	400	-
Gymnastics	75	8	600	-
Wrestling			1000	-
STUDENT SPACES				
Student Store				
General Sales Area			50	75
Material Storage				Needs Vary
Student Personnel Storage	100% of Enrollment	.5-1.0	<u>.</u>	
SERVICE AND STRUCTURE S			-	
Restrooms				
Student Toilet (1)	100% of Enrollment	1.25-1.5	-	-
Custodial				
	Minimum C per Floor, O			
Custo dial Classe	for every 80			
Custodial Closet	sq. ft. of flo			
	-	OI .	_	60
mist man sint	area		75	90
with mop sink				

⁽¹⁾ See Page 25 for toilet fixture recommendations.



			Acceptable Minimum	(7-8, 7-8-9)
	Student	Square Feet Per	Total Net Area In	Recommended Total Net Area
Activity	Capacity	Student	Square Feet	In Square Feet
SERVICE AND STRUCTURE SPA		Student	Square 1 ccc	
Custodial (Continued)				
Custodial Office				Needs Vary
<u> </u>	One locker per	r		•
Locker Room	employee		45	65
Toilet (1)				Needs Vary
Workshop			60	100
Storage - Materials, Equipme				
Custodial Supplies Receiving	and			
Shipping Area				Needs Vary
Storage				
General Storage				Needs Vary
External Storage				110000 1 4
Grounds Maintenance			75	125
Equipment				
Physical Education			100	150
Equipment Storage				
Flammable Material Storage				Needs Vary
_				
Mechanical Rooms, Corridors and				
Wall Area				
Should not utilize more than				
20% of the gross square foot				
area of the building.				
FAMILY & CONSUMER SCIENCE	E EDUCATIO	<u> </u>		
Family and Consumer Sciences (B				
Introductory unit)				
			242	1000
Instructional Area	20	48-54	960	1080
Computer Area	-	-	-	150
Material Storage			120	150
Family and Consumer Sciences (C	Comprehensive			
Instructional Area	20	64-85	1280	1700
(Includes one or more de			-2-0	- · - ·
features such as fitting as	-			
laundry, food laboratory,				
resource storage, locked	_	· ·		
• or textile work area)				
Instructor's Office			100	
Telephone				

⁽¹⁾ See Page 25 for toilet fixture recommendations.



SPACE GUIDELINES FOR HIGH SCHOOLS (9-12)

udent	Square	Acceptable Minimum	
apa <u>city</u>	Feet Per Student	Total Net Area In Square F <u>eet</u>	Recommended Total Net Area In Square Feet
25	28 - 30	700	750
		60	70
20	180-200	3600	4000
		500	600
			250
			110
			250
		150	175
			1105
25	40 - 45		1125
			50 60
	10.50		1250
25	40 - 50		50
		=	60
25	50 (0	_	1500
25	30 - 60		50
		=	60
25	25 40		1000
25	33 - 40		50
			60
15	60 - 63		945
13	00 - 03		50
		60	60
28	64 - 85	1800	2400
	U- 1 - UJ	1000	
C			
30	35 - 40	1100	1200
30	33 - 40		55
			130
			105
20	10 15		1350
30	40 - 43		50
			80
الم		70	
	25 25 25 25 25 15 30 30 anal)	25	20 180-200 3600 500 150 100 200 150 25 40 - 45 1000 50 60 25 50 - 60 1000 50 60 25 35 - 40 875 50 60 15 60 - 63 900 50 60 28 64 - 85 1800 28 64 - 85 1800 28 64 - 85 1200 95 30 40 - 45 1200 45 70



	udent apacity	Square Feet Per Student	Acceptable Minimum Total Net Area In Square Feet	Recommended Total Net Area In Square Feet
			500	
Driver Training Lab - 12 Simulators	<u> </u>		500	•
HEALTH INSTRUCTION	25	45.50	1125	1250
Lab	25	45-50	1125	1250
Office		60-70	100	120
Planning/Classroom			700	750 270
Storage			300	370
Library			200	270
Individualized Learning Center			370	
Toilet/Lavatory			100	150
INSTRUCTIONAL VOCATIONAL				
Distributive Education				
Lab/Classroom	25	60-70	1500	1750
Material Storage			300	370
PHYSICAL SCIENCE				
Biology Classroom/Laboratory	28	30-34	840	1000
Chemistry Classroom/Laboratory	28	45-52	1260	1460
Physics Classroom/Laboratory	28	45-52	1260	1460
PHYSICAL SCIENCE			_	
ALTERNATE METHOD				
Academic Instructional Area	28	28-30	785	840
Biology Laboratory	28	30-40	840	1120
Chemistry Laboratory	28	33-40	925	1120
Physics Laboratory	28	33-40	925	1120
Individual Project Area		77 .0	105	105
Darkroom (Include as required)			75	100
Prep/Storage Area			75	100
(Includes office/prep for two			500	600
instructional areas, storage, etc.	`		300	000
SPECIAL EDUCATION (1)	· <i>)</i>			
Educable Mentally Handicapped	12	45-65	720	780
•	12	45-05		
Material Storage	10	15 75	70 700	75 750
Trainable Mentally Handicapped	10	45-75		
Material Storage			70 40	75 45
Student Toilet		00.150	40	45 750
Severely and Profoundly Handicappe	ea 5	90-150	625	750 75
Material Storage			70 25	75 20
Student Storage			25	30
Student Toilet and Bath			640	800
Material Storage			70	75
Student Toilet and Bath	_		90	100
Emotionally Disturbed	8	80-90	640	800
Material Storage			7 0	75
Student Storage			25	30

⁽¹⁾ Consult State Department of Education specialists for planning guide and/or assistance.



				(9-12)
Activity	Student Capacity	Square Feet Per Student	Acceptable Minimum Total Net Area In Square Feet	Recommended Total Net Area In Square Feet
SPECIALIZED SPACES				740
Drama Classroom	25	28-30	700	750
Material Storage			60	70
Large Group Instruction				1.676
(Lecture Area)	175	7-9	1225	1575
Green House - Attached				Needs Vary
VOCATIONAL AGRICULTURE		<u> </u>		
General Shop				4050
Work Area	15	120-130	1800	1950
Planning/Classroom			700	750
Material Storage			200	270
Project Storage			190	210
Toilet/Lavatory			100	150
Horticulture Shop				
Work Area	15	60-75	900	1125
Planning/Classroom			700	750
Material Storage			200	270
Project Storage			100	150
Greenhouse	15	90-100	1350	1500
Material Storage			165	185
VOCATIONAL - TECHNICAL	_			
Drafting	20	140-160	2800	3200
Related Instruction Classroon	1		500	600
Material Storage			150	200
Tool Storage			100	125
Project Storage			100	125
Auto Mechanics	20	260-280	5200	5600
Related Instruction Classroon	า		500	600
Material Storage			175	200
Project Storage			100	150
Tool Storage			150	200
Flammable Storage			75	90
Machine Shop	20	240-260	4800	5200
Related Instruction Classroor			500	600
Material Storage			260	275
Project Storage			175	200
Tool Storage			145	175
Building Construction	20	175-200	3500	4000
Related Instruction Classroon			500	600
Material Storage	••		250	300
Tool Storage			175	200



				(9-12)
	Student	Square Feet Per	Acceptable Minimum Total Net Area In	Recommended Total Net Area
Activity	Capacity	Student	Square Feet	In Square Feet
VOCATIONAL-TECHNICAL (Con				
Electricity/Electronics	20	175-200	3500	4000
Related Instruction Classroom	m		500	600
Material Storage			250	300
Project Storage			120	160
Tool Storage			120	120
Printing/Graphics Arts	20	160-180	3200	3600
Related Instruction Classroom	m		500	600
Material Storage			150	250
Tool Storage			100	150
Welding	20	240-260	4800	5200
Related Instruction Classroo	om		500	600
Material Storage			375	500
Tool Storage			200	300
Plumbing/Heating/Sheet Metal	20	175-200	3500	4000
Related Instruction Classroo	om		500	600
Material Storage			350	400
Tool Storage			200	300
Equipment Storage			300	330
Radio/TV Repair	20	175-200	3500	4000
Related Instruction Classroo			500	600
Material Storage	····		250	300
Project Storage			120	160
Tool Storage			120	120
Refrigeration/AC	20	240-250	4800	5000
Related Instruction Classroo		210 230	500	600
Material Storage	J.111		215	235
Tool Storage			120	120
Project Storage			120	160
Industrial Arts/Technology Educ	ration		120	
Work Area	25	45-50	1125	1250
Planning/Classroom	23	75-50	700	750
Material Storage			200	270
Project Storage			190	210
Finish Area			190	210
Toilet/Lavatory			100	150
Business Education			100	150
l .	20-25	70-75	1400	1875
Technology Lab	20-23	10-13	100	120
Office			700	750
Classroom/Conference				120
Material Storage			100	120
Marketing Education	25	60.70	1500	1750
Lab/Classroom	25	60-70	1500	1750
Material Storage			120	130
Office			100	120



Activity	Student Capacity	Square Feet Per Student	Minimum Total Net Area In Square Feet	Recommended Total Net Are In Square Fee
OCATIONAL-TECHNICAL (Cont.)	20	140 160	2800	3240
Communications	20	140-160	2800 500	600
Related Instruction Classroom			200	300
Material Storage				200
Tool Storage	20	140 160	175	3200
Computer Repair/Networking	20	140-160	2800	600
Related Instruction Classroom			500	400
Material Storage			350 350	400
Project Storage			350 175	225
Tool Storage	20	175 200	175	
Mechanical	20	175-200	3500	4000 600
Related Instruction Classroom			500	400
Material Storage			350	
Tool Storage	20	175 000	200	300
Metals	20	175-200	3500	4000
Related Instruction Classroom			500	600 400
Material Storage			350	
Tool Storage			200	300 5000
Cabinetmaking	20	240-250	4800	5000
Related Instruction Classroom			500	600
Material Storage			375	500
Tool Storage			175	200 90
Flammable Storage	••	0.40.050	75	
Carpentry	20	240-250	4800	5000
Related Instruction Classroom			500	600 600
Material Storage			500	200
Tool Storage			175	90 90
Flammable Storage	20	100 200	75 3600	4000
Cosmetology	20	180-200	3600 500	600
Related Instruction Classroom			300	3 5 0
Material Storage			175	200
Tool Storage			75	90
Flammable Storage	20	240-250	4800	5000
Electrical Trades	20	240-230	500	600
Related Instruction Classroom			215	235
Material Storage			120	120
Tool Storage			120	160
Project Storage	20	30	600	1200
ICE Individualized Co-op Ed	20	30	600	600
Related Instruction Classroom	ı		600	600
Computer Laboratory			100	100
Storage	20	240-250	4800	5000
Masonry		240-230	500	600
Related Instruction Classroom	1		250	300
Material Storage			200	250
Tool Storage			200	230



	Student	Square Feet Per Student	Acceptable Minimum Total Net Area In Square Feet	Recommended Total Net Area In Square Feet
Activity	Capacity	Student	Square rect	
VOCATIONAL-TECHNICAL (Cont.)	20	180-200	3600	4000
Power Products		180-200	500	600
Related Instruction Classroom			350	500
Material Storage			150	200
Tool Storage			200	250
Project Storage			200	
UXILIARY SPACES				
ADMINISTRATION			140	150
Principal's Office			100	120
Other Administrative Personnel			100	
(per office)			200	250
Reception/Secretarial Area			250	350
Office Workroom and Storage			300	400
Conference Room			60	75
Records/Vault			120	150
Attendance Office			125	200
Book/General Storage			100	120
Itinerant Office (per office)			125	200
Book/General Storage			123	
STAFF PERSONNEL SPACE			200	300
Teacher's Workroom and Storage			500	
Faculty Lounge			300	60
Kitchenette			45	65
Staff Toilet - Individual (Each) (1)		<u> 43 </u>	
GUIDANCE AND COUNSELING			120	150
Counselor's Office (Each)			120	
AUDITORIUM (2)(3)		7	4200	•
General Seating	600	/	4200	
	Based on			
Gallery and Lobby Area	seating for		1000	-
	approx. 600		1000	
Standard Proscenium Stage and	**		3000	-
Off-Stage area	**		3000 150	•
General Storage				-
Storage/Properties Storage	"		600 500	-
Scenery Storage			500	
Stage Dressing Rooms (Each)	**		200	-
Toilet (Each) (1)			45 150	- -
Public Toilets (Each) (1)	н		150	_
Ticket Office	,,		100	-
Concession	**		120	_
Material Storage	"		80	-
Lecture Area			2500	-
(Two-Room Unit 1250 Each)			0500	
Lecture Area (One-Room Unit)			2500	

- (1) See Page 25 for toilet fixture recommendations.
- (2) Consult State Department of Education specialists for planning guide and/or assistance.
- (3) Multi-use of this space is encouraged.



			WEALS	SERVED .	<u> </u>	
AUXILIARY SPACES						
FOOD PREPARATION, SE	ERVICE AND					
DINING FACILITIES						
Kitchen	200	400	600	1000	1400	1600
Receiving	80 sq. ft.	100 sq. ft.	120 sq. ft.	160 sq. f		200 sq. ft.
Dry Food Storage	80 sq. ft.	180 sq. ft.	280 sq. ft.	480 sq. f	-	840 sq. ft
Nonfood Storage	15 sq. ft.	15 sq. ft.	15 sq. ft.	15 sq. f		15 sq.ft
Preparation Area	475 sq. ft.	660 sq. ft.	840 sq. ft.	960 sq. f		1400 sq. ft
Refrigeration Storage	160 sq. ft.	160 sq. ft.	160 sq. ft.	180 sq. f		320 sq. ft
Dishwashing Area	120 sq. ft.	120 sq. ft.	120 sq. ft.	240 sq. f	ft. 240 sq. ft.	240 sq. ft
Office/Locker Area/						220 6
Toilet	40 sq. ft.	80 sq. ft.	120 sq. ft.	180 sq. f	ft. 240 sq. ft.	320 sq. ft
Serving Area	320 sq. ft.	450 sq. ft.	600 sq. ft.	600 sq. f	ft. 900 sq. ft.	1200 sq. ft
Dining Area	2400 sq. ft.	2400 sq. ft.	2400 sq. ft.	3995 sq. 1	ft. 5590 sq. ft.	7200 sq. ft
Dining : nea				SERVED		
FOOD PREPARATION, SE	ERVICE AND					
DINING FACILITIES						
ALTERNATE METHOD	100-200	200	-400	400-600	600-1	000
Kitchen, (including all related functions	s) 800-1000	0 sq. ft. 100	00-1500 sq. ft.	1500-1800	sq. ft. 1800-2	000 sq. ft.
		0 sq. ft. 100 n 10 sq. ft. p		1500-1800 Accepta	<u> </u>	
all related functions					ble im	
all related functions				Accepta	ble im let Recon	ımended
all related functions	Minimur		per person	Accepta Minimu Total N Area In	ble im let Recon Total	mended Net Area
all related functions	Minimur Stu	n 10 sq. ft. p	Square	Accepta Minimu Total N	ble im let Recon Total	ımended
all related functions Dining Area	Minimur Stu Cap	m 10 sq. ft. p	Square Feet Per	Accepta Minimu Total N Area In Square	ble im let Recon Total Feet In Squ	mended Net Area
all related functions Dining Area Activity	Minimur Stu Car	m 10 sq. ft. p	Square Feet Per	Accepta Minimu Total N Area In Square	ible im let Recon Total Feet In Squ	mended Net Area
all related functions Dining Area Activity NURSE/HEALTH CLINIC	Minimur Stu Car	m 10 sq. ft. p	Square Feet Per	Accepta Minimu Total N Area In Square	ble im let Recon Total Feet In Squ	imended Net Area
all related functions Dining Area Activity NURSE/HEALTH CLINIC Office, Examining Roo	Minimur Stu Car	m 10 sq. ft. p	Square Feet Per	Accepta Minimu Total N Area In Square	ble im let Recon Total Feet In Squ	imended Net Area
all related functions Dining Area Activity NURSE/HEALTH CLINIC Office, Examining Roo Storage Toilet	Minimur Stu Car om, Cot Area	m 10 sq. ft. p	Square Feet Per	Accepta Minimu Total N Area In Square	ble im let Recon Total Feet In Squ	mended Net Area
all related functions Dining Area Activity NURSE/HEALTH CLINIC Office, Examining Roo Storage Toilet MEDIA CENTER/LIBRAR	Minimur Stu Cap om, Cot Area	n 10 sq. ft. p	Square Feet Per	Accepta Minimu Total N Area In Square 270 80 50	ible im let Recon Total Feet In Squ	nmended Net Area uare Feet - -
all related functions Dining Area Activity NURSE/HEALTH CLINIC Office, Examining Roo Storage Toilet	Minimur Stu Cap Om, Cot Area	m 10 sq. ft. p dent pacity	Square Feet Per	Accepta Minimu Total N Area In Square	ible im let Recon Total Feet In Squ	imended Net Area
all related functions Dining Area Activity NURSE/HEALTH CLINIC Office, Examining Roo Storage Toilet MEDIA CENTER/LIBRAR Office/Workroom	Minimur Stu Cap om, Cot Area RY (1) 10% Enr	dent pacity of of ollment or a	Square Feet Per Student	Accepta Minimu Total N Area In Square 270 80 50	ible im let Recon Total Feet In Squ	nmended Net Area uare Feet - -
all related functions Dining Area Activity NURSE/HEALTH CLINIC Office, Examining Roo Storage Toilet MEDIA CENTER/LIBRAR	Minimur Stu Car om, Cot Area RY (1) 10% Enr. Max	dent bacity of of ollment or a ximum of	Square Feet Per	Accepta Minimu Total N Area In Square 270 80 50	ible im let Recon Total Feet In Squ	nmended Net Area uare Feet - -
all related functions Dining Area Activity NURSE/HEALTH CLINIC Office, Examining Roo Storage Toilet MEDIA CENTER/LIBRAR Office/Workroom	Minimur Stu Car om, Cot Area RY (1) 10% Enr. Max	dent pacity of of ollment or a	Square Feet Per Student	Accepta Minimu Total N Area In Square 270 80 50	ible im let Recon Total Feet In Squ	nmended Net Area uare Feet - -
Activity NURSE/HEALTH CLINIC Office, Examining Roo Storage Toilet MEDIA CENTER/LIBRAR Office/Workroom Reading/Browsing	Minimur Stu Car Om, Cot Area RY (1) 10% Enr Max 100	dent bacity of of ollment or a ximum of	Square Feet Per Student	Accepta Minimu Total N Area In Square 270 80 50	ible im let Recon Total Feet In Squ	nmended Net Area uare Feet - -
Activity NURSE/HEALTH CLINIC Office, Examining Roo Storage Toilet MEDIA CENTER/LIBRAR Office/Workroom Reading/Browsing	Minimur Stu Cap Om, Cot Area RY (1) 10% Enr. Max 100	dent bacity of ollment or a ximum of students	Square Feet Per Student	Accepta Minimu Total N Area In Square 270 80 50	ible im let Recon Total Feet In Squ	nmended Net Area uare Feet - -
Activity NURSE/HEALTH CLINIC Office, Examining Roo Storage Toilet MEDIA CENTER/LIBRAR Office/Workroom Reading/Browsing Stacks Processing	Minimur Stu Cap Om, Cot Area RY (1) 10% Enr. Ma: 100	dent pacity 6 of ollment or a ximum of students	Square Feet Per Student	Accepta Minimu Total N Area In Square 270 80 50	ible im let Recon Total Feet In Squ	nmended Net Area uare Feet - -
Activity NURSE/HEALTH CLINIC Office, Examining Roo Storage Toilet MEDIA CENTER/LIBRAR Office/Workroom Reading/Browsing Stacks Processing Products/Prof.Lib.	Minimur Stu Cap Om, Cot Area RY (1) 10% Enr. Max 100	dent pacity of of ollment or a ximum of students	Square Feet Per Student 26-28 5 - 5.5 3 - 4	Accepta Minimu Total N Area In Square 270 80 50	ible im let Recon Total Feet In Squ	nmended Net Area uare Feet - -
Activity NURSE/HEALTH CLINIC Office, Examining Roo Storage Toilet MEDIA CENTER/LIBRAR Office/Workroom Reading/Browsing Stacks Processing Products/Prof.Lib. AV Storage	Minimur Stu Car om, Cot Area RY (1) 10% Enr Max 100	dent book of collment or a aximum of students	26-28 5 - 5.5 3 - 4 3 - 4	Accepta Minimu Total N Area In Square 270 80 50	ible im let Recon Total Feet In Squ	nmended Net Area uare Feet - -
Activity NURSE/HEALTH CLINIC Office, Examining Roo Storage Toilet MEDIA CENTER/LIBRAR Office/Workroom Reading/Browsing Stacks Processing Products/Prof.Lib. AV Storage Periodical Storage	Minimur Stu Car Om, Cot Area RY (1) 10% Enr Max 100	dent bacity of of ollment or a ximum of students	26-28 5 - 5.5 3 - 4 3 - 4 1 - 2	Accepta Minimu Total N Area In Square 270 80 50	ible im let Recon Total Feet In Squ	nmended Net Area uare Feet - -
Activity NURSE/HEALTH CLINIC Office, Examining Roo Storage Toilet MEDIA CENTER/LIBRAR Office/Workroom Reading/Browsing Stacks Processing Products/Prof.Lib. AV Storage	Minimur Stu Car Om, Cot Area RY (1) 10% Enr Max 100	dent coacity of ollment or a ximum of students	26-28 5 - 5.5 3 - 4 3 - 4 3 - 4	Accepta Minimu Total N Area In Square 270 80 50	ible im let Recon Total Feet In Squ	nmended Net Area uare Feet - -

⁽¹⁾ Consult State Department of Education specialists for planning guide and/or assistance.



Activity	Student Capacity	Square Feet Per Student	Acceptable Minimum Total Net Area In Square Feet	Recommended Total Net Area In Square Feet
MUSIC (1)				
All-Purpose (Small Schools)	54	22-24	1200	1600
Practice Room (Each)			35	45
Music Library (2)			80	90
Office/Reference/Storage			100	120
Material Storage			120	130
Instrument Storage (Secure	d) .		200	400
Uniform Storage	•		100	-
Vocal Classroom (14' to 16' Co	eiling Height)			
Small	50-70	14-16	700	1120
Large	60-80	16-18	960	1440
Practice Room (Each)			35	40
Music Library			150	-
Office/Reference/Storage	•		100	120
Material Storage			120	130
Robe Storage			100	-
Instrumental (14' to 16' Ceiling	g Height)			
Small	60-70	22-24	1320	1680
Large	70-90	22-24	1540	2160
Practice Room (Each)				
Band/Instrumental			48	-
Piano/Guitar			80	-
Ensemble Rehearsal			120	-
Instrument Storage (Secured)				
60 Members or less			250	300
60 to 100 Members			450	•
Over 100 Members			450 plus 13 sq. students over 100	
Instrument Repair			75	100
Music Library (2)			150	•
Director's Office			100	120
Material Storage			120	130
Uniform Storage			100	-

Consult State Department of Education specialists for planning guide and/or assistance.
 Increase if combined with Director's Office.

Activity	Student Capacity	Square Feet Per Student	Acceptable Minimum Total Net Area In Square Feet	Recommended Total Net Area In Square Feet
PHYSICAL EDUCATION	<u> </u>			
Gymnasium (Main) (20' Cei	ling Height M	in.)		
Basketball Court (50' x			7260	•
plus 8' safety lanes	·			
Spectator Seating	500	4	2000	•
			550	-
Lobby			550	
(Based on seating of a	pprox. 500)		300	-
Public Toilets (1)			50	-
Ticket Office			120	•
Concession			30	-
Trophy Display	?oob)		JU	-
P.E. Dressing Rooms (I		12	600	
Locker/Dressing Area		4	200	-
Shower Area	50		100	-
Drying Area	50 50	2 2	100	•
Toilet (1)	50	2	100	
Sports Dressing Rooms	(Each)			
Locker/Dressing Area	50	12	600	-
Shower Area	50	4	200	•
Drying Area	50	2	100	•
Toilet (1)	50	2	100	-
P.E. Health Classroom			840	-
D.E. Activity Poom			1200	-
P.E. Activity Room Office and Storage			-200	
Office and Storage			100	-
Toilet and Shower	(1)		90	-
Storage (General)	(1)		150	-
Storage (General) Storage (Equipment)			360	-
Multipurpose Room	165	8.5	1400	-
Weight Room	89	4.5	400	-
Gymnastics	75	8	600	-
	13	G	1000	-
Wrestling	rior		, 1000	
Swimming Pool - Inter	101	40	3375	-
Pool (45' x 75') Pool with 10' deck of	n	, 10	22,0	
end and sides	11		6175	-
end and sides			31,0	

⁽¹⁾ See Page 25 for toilet fixture recommendations.



Activity	Student Capacity	Square Feet Per Student	Acceptable Minimum Total Net Area In Square Feet	Recommended Total Net Area In Square Feet
STUDENT SPACES				
Student Store General Sales Area Material Storage			50	75 Needs Vary
_	100% Student			
Student Personnel Storage	Enrollment	.510	<u> </u>	<u> </u>
SERVICE AND STRUCT	URE SPACES			
REST ROOMS	1007 0 1			
0: 1 : T-11: (1)	100% Student	1.25-1.5		
Student Toilet (1)	Enrollment	1.23-1.3	 -	
CUSTODIAL				
COSTODIAL	Minimum One			
Custodial Closet with	per floor, One			
mop sink	each 8000 sq. ft.		•	60
•	of floor area			
Custodial Office			75	90
	One locker per			
Locker Room	employee			Needs Vary
Toilet (1)			45	65
Workshop	- ···			Needs Vary
Storage-Materials, Equip			60	100
Supplies, Receiving and	Shipping Area			Needs Vary
STORAGE			75	125
General Storage			13	143
External Storage Grounds Maintenance			75	125
Equipment			15	140
Physical Education Equip	nment		100	150
Storage	Jineit		- 00	
Flammable Material Storage	e			Needs Vary
				-
MECHANICAL ROOMS, COI	RRIDORS			
AND WALL AREA				
Should not utilize more than 20	%			
of the gross square foot area of t	he	•		
building.				

⁽¹⁾ See Page 25 for toilet fixture recommendations.



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SITE DEVELOPMENT GUIDELINES

Oklahoma School Site Size Recommendations

For Elementary Schools K-6: A minimum of ten acres, plus one additional acre for each 100 students of projected ultimate maximum enrollment.

For Middle School/Junior High Schools 7-8: 7-8-9: A minimum of 20 acres, plus one additional acre for each 100 students of projected ultimate maximum enrollment.

High Schools 9-12: A minimum of 30 acres, plus one additional acre for each 100 students of projected ultimate maximum enrollment.

- For school sites in densely populated areas and in other locations where land costs are extremely high, the recommended number of acres may prove to be unrealistic.
- For school sites in open country or sparsely settled areas, acreages may justifiably exceed the recommendations above.
- For school sites immediately adjacent to park and recreation lands, the number of acres that would actually be school owned may be modified. Cooperation with local park authorities and other governmental agencies is encouraged, resulting in joint use of common areas or facilities.

SITE PLANNING GUIDELINES

Activity	Acceptable Minimum	Recommended
WALKS, DRIVES, PARKING		
Walks	4' wide	6' wide
Covered Bus Loading	6' x 35'	8' x 40'
GREENHOUSE STRUCTURE (Separate)	20' x 40'	-
EXTERIOR STORAGE		
Grounds Maintenance Equipment	75 sq. ft.	125 sq. ft.
Physical Education Equipment Storage	100 sq. ft.	150 sq. ft.
HAZARDOUS MATERIALS		
Maladia Canana	100 as ft minimum	

Volatile Storage 100 sq. ft. minimum

PLAY SHELTER (An open structure having only a roof and a finished play surface such as asphalt, concrete, synthetic, or other similar material.)

Activity	Number of Users	Acceptable Minimum	Recommended
Kindergarten	Maximum enrollment x 10%	10 sq. ft./user	12.5 sq. ft./user
Elementary:			
Middle School/			
Junior High Schools	Maximum enrollment		
	x 10%	12 sq. ft./user	15 sq. ft./user
Swimming Pool (Outdoor)			
Elementary:			
Pool		•	30' x 60'
Deck: End		10'	12'
Deck: Sides		8'	10'
	A S	23	



SITE PLANNING GUIDELINES (Cont.)

Activity	Number of Users	Acceptable Minimums	Recommended
Middle School/Juni Senior High Schoo	•		
Pool		-	60' x 75'
Deck: End		12'	15'
Deck: Sides		8'	10'

OVERALL PLAY ACTIVITY AREA REQUIREMENTS

OVERALE I LAI	ELEVENTARY	MIDDLE SCHOOLS/	SENIOR HIGH
	ELEMENTARY		
PLAY ACTIVITY	SCHOOLS	JR. HIGH SCHOOLS	SCHOOLS
Archery	•	150' x 150'	150' x 300'
Badminton	•	20' x 44'	20' x 44'
Baseball	210' x 210'	300' x 300'	400' x 400'
Basketball	40' x 60'	50' x 84'	50' x 94'
Dodgeball	20' circle	30' circle	-
Field Hockey	•	180' x 300'	180' x 300'
Football	-	160' x 360'	160' x 360'
Handball, Single-Wall		20' x 40'	20' x 40'
Handball, Four-Wall	-	23' x 46'	23' x 46'
Hopscotch	10' x 20'	<u>-</u>	<u> </u>
Horseshoes	10' x 40'	10' x 50'	10' x 50'
Shuffleboard	-	6' x 52'	6' x 52'
Skip Rope	10' x 20'	-	-
Soccer	-	150'-240' x 240'-360'	<u> </u>
Softball	150' x 150'	200' x 200'	275' x 275'
Tennis Court		36' x 78'	36' x 78'
Tetherball	20' circle	12' circle	12' circle
Volleyball	25' x 50'	30' x 60'	30' x 60'

TABLE OF WORKING HEIGHTS

F	ELEM. SCH	HOOL	MS/JR HIGH	H SCHOOL	HIGH SCHOOL
Fixture Name K	Cindergarten	1 2 3	4 5 6	7 8 9	10 11 12
Chalkboard/			1		
Tackboard (To Bottom)	24"	26"	28"	*32"	36"
Coat Hooks	36"	38"	46"	60"	60"
Water Closet (To Rim)	11"	13"	*13"	13"	15"
Urinal, Wall Hung (To Rim)	16"	16"	18"	20"	22"
Lavatory (To Rim)	20"	22"	25"	28"	30"
Case Cabinet Sink and	l	ŀ			
Work Counter (To Rim)	24"	26"	30"	32"	36"
Drinking Fountain/Water Coo	ler 24"	24"	28"	32"	*35"
Paper Towel Dispenser/Electri					
Hand Dryer (To Bottom)	40*	46"	48"	54"	60"
Mirrors - 24" x 36" (To Botto	m) 30"	*36"	42"	42"	45"
Handrails (Nosing to Rail)	30"	30"	30"	32"	32"

NOTES: (*) Use this dimension for areas common to more than one group.

Refer to other publications for accessible installation heights and requirements.



TOILET FIXTURE GUIDELINES FOR EDUCATIONAL OCCUPANCIES

	Number of Fixtures Required			
Student Requirements -	Boys	Unisex	Girls	
ELEMENTARY SCHOOLS K-6				
Classroom Toilets				
Kindergarten (1)				
Water Closet:		<u>l</u>		
Lavatory:		1		
Serving One or Two				
Instructional Spaces				
Water Closet:	1		<u> </u>	
Lavatory: (2)	1		<u> </u>	
Urinal:	1			
General Facilities			1 0 50	
Water Closet:	1 @ 50 pupils		1 @ 50 pupils	
Lavatory:	1 @ 50 pupils		1 @ 50 pupils	
Urinal:	(3)			
MIDDLE SCHOOLS/JUNIOR HIGH SCHOOLS 6-7-8, 7-8,				
7-8-9;				
SENIOR HIGH SCHOOLS 9-12				
General Facilities				
Water Closet:	1 @ 50 pupils		1 @ 30 pupils	
Lavatory:	1 @ 50 pupils		1 @ 30 pupils	
Urinal:	(3)			

	Number of Fixtures Required			
Staff Requirements	Men	Unisex	Women	
ALL GRADE LEVELS				
Water Closet:	1 @ 10 faculty		1 @ 7 faculty	
Lavatory	1 @ 10 faculty		1 @ 10 faculty	
Urinal:	1 @ 20 faculty		-	
CUSTODIAL STAFF				
Water Closet:		1 @ 10 employees		
Lavatory:		1 @ 10 employees		

NOTE: If a school has less than 12 grade sections, then one private restroom (designated to serve clinic, faculty, and administrative staff) should be considered as a minimum. If a school has 12 or more grade sections, provide at least one private restroom for the clinic and administrative staff, in addition to those required above for the teaching and/or custodial staff. A gymnasium with bleacher seating would fall under assembly occupancy. Building codes would then require approximately one water closet per 40 females and one water closet per 75 males.

- (1) One restroom may serve both boys and girls in a kindergarten or first grade instructional space.
- (2) One lavatory located outside restroom is sufficient.
- (3) One-half of water closet requirement can be urinals.





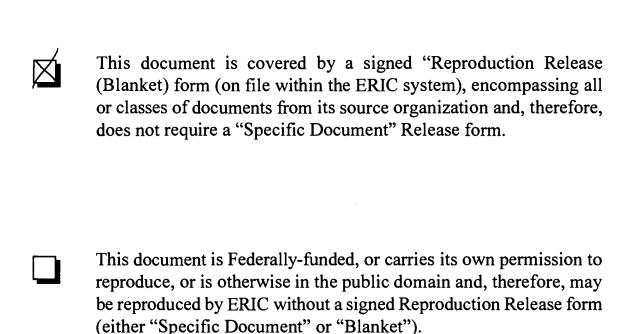
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