

CHAPTER 2: BRACKETING

SUMMARY OF SPACES

The following is an example of five sizes of high schools.

The examples are intended to assist in the development of the summary of spaces

EXAMPLE	450 Students	800 Students	1200 Students	1600 Students	2400 Students
	SF	SF	SF	SF	SF
Grade Configuration: 9-12					
Number of Students	450	800	1,200	1,600	2,400
Square Feet Per Student	180	166	165	162	156
Total Gross Square Feet Funded	81,000	132,800	198,000	259,200	374,400
Program Area					
H-AC Academic Core Spaces	17,650	30,500	49,200	64,250	90,300
H-SE Special Education Spaces	2,200	3,100	4,400	5,900	7,950
H-AD Administrative Spaces	3,160	4,420	6,447	7,673	10,545
H-MC Media Center Spaces	2,995	4,970	6,890	8,790	12,590
H-VA Visual Arts Spaces	1,500	2,900	3,500	5,500	9,100
H-MU Music Spaces	2,870	4,970	6,310	10,690	13,420
H-TE Technology Education Spaces	1,950	3,600	5,000	7,200	13,800
H-BE Business Education Spaces	1,100	2,100	2,150	4,700	7,000
H-FCS Family and Consumer Science Spaces	1,550	2,800	2,850	4,100	6,950
H-PE Physical Education Spaces	12,311	18,250	30,370	34,970	49,390
H-SD Student Dining Spaces	5,400	8,917	12,450	16,133	23,200
H-FS Food Service Spaces	1,825	3,050	4,450	5,850	8,900
H-CU Custodial Spaces	300	500	500	500	1,200
H-BS Building Services	17,511	28,495	42,269	55,172	79,941
Facility Total	72,322	118,571	176,786	231,428	334,286
Construction Factor	0.12	0.12	0.12	0.12	0.12
Gross Square Feet Developed	81,000	132,800	198,000	259,200	374,400

WORKSHEET

Enter Grade Configuration				
Enter Student Capacity			962	
Square Feet Per Student from Page 2000-4			166	Vertical Circulation (multistory buildings)
Total Gross Square Feet Funded			159,692	refers only to stairways/stairtowers, monumental stairs, elevators and elevator equipment rooms.
SELECT ONE → <input checked="" type="radio"/> Single Story Building <input type="radio"/> Multistory Building				
Plus Vertical Circulation (for Multistory Buildings) Area Allowable			0	
Total Adjusted POR Gross Square Footage			159,692	
Program Area		New SF	Existing SF	TOTAL SF
H-AC Academic Core Spaces		150	0	150
H-SE Special Education Spaces		0	0	0
H-AD Administrative Spaces		540	0	540
H-MC Media Center Spaces		0	0	0
H-VA Visual Arts Spaces		0	0	0
H-MU Music Spaces		0	0	0
H-TE Technology Education Spaces		0	0	0
H-BE Business Education Spaces		0	0	0
H-FCS Family and Consumer Science Spaces		0	0	0
H-PE Physical Education Spaces		0	0	0
H-SD Student Dining Spaces		8,437	0	8,437
H-FS Food Service Spaces		3,617	0	3,617
H-CU Custodial Spaces		0	0	0
H-BS Building Services		2,300	0	2,300
Facility Total		15,044	0	15,044
Construction Factor (12% multiplied by the facility total)		0.10	na	na
Actual Gross Square Feet Developed		16,548	0	16,548 see note 1
Minus existing Oversize Area from Master Plan			0	- see note 2
Adjusted Existing Area			0	-
Total Adjusted Gross Square Footage Developed (without Oversize Area)				16,548 16202 original target
Difference of SF developed from SF allowable				143,144

CO-FUNDED ADDITION AREA 14586 sf

LFI ADDITION AREA 1962 sf

NOTES

- Existing Gross Square Feet taken from assessment report.
- Oversize Area also taken from assessment report.

* The Existing SF column is only used in projects where there are to be building additions.

Louisville City School District, LOUISVILLE HIGH SCHOOL AUDITERIA ADDITION
ACADEMIC CORE SPACES
H-AC

The following is an example of five sizes of high schools.
 The examples are intended to assist in the development of the summary of spaces.

EXAMPLE		450 Students			800 Students			1200 Students			1600 Students			2400 Students		
Space		Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-AC-1	High School Classroom	12	900	10,800	20	900	18,000	32	900	28,800	40	900	36,000	56	900	50,400
H-AC-2	Science Classroom - General/Physics	1	1,200	1,200	2	1,200	2,400	4	1,200	4,800	6	1,200	7,200	8	1,200	9,600
H-AC-3	Science Classroom - Chemistry	1	1,200	1,200	1	1,200	1,200	2	1,200	2,400	3	1,200	3,600	8	1,200	9,600
H-AC-4	Science Classroom - Biology	1	1,200	1,200	2	1,200	2,400	3	1,200	3,600	3	1,200	3,600	4	1,200	4,800
H-AC-5	Science Prep	1	300	300	2	300	600	4	400	1,600	6	400	2,400	8	400	3,200
H-AC-6	Teacher Prep Area/Workroom	4	300	1,200	4	300	1,200	4	400	1,600	5	600	3,000	4	600	2,400
H-AC-7	Individual Restroom	2	50	100	2	50	100	5	50	250	5	50	250	4	50	200
H-AC-8	Project/Classroom	1	1,100	1,100	2	1,100	2,200	3	1,100	3,300	3	1,100	3,300	4	1,100	4,400
H-AC-9	Small Group Room	3	150	450	4	150	600	5	150	750	6	150	900	8	150	1,200
H-AC-10	Instructional Material Storage	2	50	100	3	100	300	4	150	600	5	200	1,000	6	250	1,500
H-AC-11	Multi-use Room	0	1,500	0	1	1,500	1,500	1	1,500	1,500	2	1,500	3,000	2	1,500	3,000
H-AC-12	Science Laboratory	0	1,000	0	0	1,000	0	0	1,000	0	0	1,000	0	0	1,000	0
Academic Core Total				17,650			30,500			49,200			64,250			90,300

WORKSHEET		New SF			Existing SF			TOTAL SF		
Space		Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-AC-1	High School Classroom	0	900	0	0	0	0	0	varies	0
H-AC-2	Science Classroom - General/Physics	0	1,200	0	0	0	0	0	varies	0
H-AC-3	Science Classroom - Chemistry	0	1,200	0	0	0	0	0	varies	0
H-AC-4	Science Classroom - Biology	0	1,200	0	0	0	0	0	varies	0
H-AC-5	Science Prep	0	400	0	0	0	0	0	varies	0
H-AC-6	Teacher Prep Area/Workroom	0	400	0	0	0	0	0	varies	0
H-AC-7	Individual Restroom	0	50	0	0	0	0	0	varies	0
H-AC-8	Project/Classroom	0	1,100	0	0	0	0	0	varies	0
H-AC-9	Small Group Room	1	150	150	0	0	0	1	varies	150
H-AC-10	Instructional Material Storage	0	150	0	0	0	0	0	varies	0
H-AC-11	Multi-use Room	0	1,500	0	0	0	0	0	varies	0
H-AC-12	Science Laboratory	0	1,000	0	0	0	0	0	varies	0
Academic Core Total				150			0			150

See Note 1
 See Note 2
 See Note 4
 See Note 3

NOTE 1: Student capacity determines SF allowed. 350-800: 300 SF; 801-2400: 400 SF
 NOTE 2: Student capacity determines SF allowed. 350-800: 300 SF; 801-1200: 400 SF; 1201-2400: 600 SF
 NOTE 3: Student capacity determines SF allowed. 350-450: 50 SF; 451-800: 100 SF; 801-1200: 150 SF; 1201-1600: 200 SF; 1601-2400: 250 SF

For student capacities from 1,601 to 2,400 the area remains the same or increases proportionally as indicated in the example.

Note 4: Locate between new assistant principal's offices

CHAPTER 2: BRACKETING

The following is an example of five sizes of high schools.
 The examples are intended to assist in the development of the summary of spaces.

EXAMPLE		450 Students			800 Students			1200 Students			1600 Students			2400 Students		
Space		Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-SE-1	Self-contained Classroom	1	900	900	2	900	1,800	2	900	1,800	2	900	1,800	3	900	2,700
H-SE-2	Workroom/Conference	2	150	300	2	150	300	2	150	300	2	150	300	3	150	450
H-SE-3	Restroom/Shower	1	100	100	1	100	100	2	100	200	2	100	200	3	100	300
H-SE-4	Special Education/Resource	1	900	900	1	900	900	1	900	900	2	900	1,800	3	900	2,700
H-SE-5	Small Self-contained Classroom	0	600	0	0	600	0	2	600	1,200	3	600	1,800	3	600	1,800
Special Education Total				2,200			3,100			4,400			5,900			7,950

see note 1
 see note 2
 see note 3

WORKSHEET		New SF			Existing SF			TOTAL SF		
Space		Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-SE-1	Self-contained Classroom	0	900	0	0	0	0	0	varies	0
H-SE-2	Workroom/Conference	0	150	0	0	0	0	0	varies	0
H-SE-3	Restroom/Shower	0	100	0	0	0	0	0	varies	0
H-SE-4	Special Education/Resource	0	900	0	0	0	0	0	varies	0
H-SE-5	Small Self-contained Classroom	0	600	0	0	0	0	0	varies	0
Special Education Total				0			0			0

- NOTE 1: Self-contained classroom(s) could 'house' various special education programs including, but not limited to, cognitive disability, emotional disturbance, multiple disabilities, etc.
- NOTE 2: Workroom/Conference could 'house' orthopedic impairment, autism, speech therapy, occupational therapy, and physical therapy.
- NOTE 3: Special Education/Resource could 'house' cognitive disability, hearing impairment, visual impairment, emotional disturbance, orthopedic impairment, autistic, traumatic, brain injury, learning disability, deaf/blindness, etc.
 See Chapter 1, Section 1110 for more information.

For student capacities from 1,601 to 2,400 the area remains the same or increases proportionally as indicated in the example.

Louisville City School District, LOUISVILLE HIGH SCHOOL AUDITERIA ADDITION
ADMINISTRATIVE SPACES
H-AD

The following is an example of five sizes of high schools.
 The examples are intended to assist in the development of the summary of spaces.

EXAMPLE		450 Students			800 Students			1200 Students			1600 Students			2400 Students		
Space		Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-AD-1	Reception Area	1	200	200	1	400	400	1	500	500	1	600	600	1	1,000	1,000
H-AD-2	Secretarial Area	1	200	200	1	400	400	1	500	500	1	600	600	1	1,000	1,000
H-AD-3	Principal's Office	1	150	150	1	150	150	1	150	150	1	150	150	1	150	150
H-AD-4	Assistant Principal's Office	0	120	0	0	120	0	2	120	240	3	120	360	6	120	720
H-AD-5	Conference Room	1	250	250	1	250	250	2	250	500	3	250	750	3	250	750
H-AD-6	Mail/Work/Copy Room	1	200	200	1	300	300	1	400	400	1	500	500	1	800	800
H-AD-7	Administrative Storage	1	150	150	1	150	150	1	200	200	1	200	200	1	400	400
H-AD-8	Vault/Records Storage	1	50	50	1	80	80	1	110	110	1	140	140	1	210	210
H-AD-9	In-school Suspension	1	200	200	1	325	325	1	450	450	1	575	575	1	600	600
H-AD-10	Restroom	1	50	50	2	50	100	2	50	100	2	50	100	2	50	100
H-AD-11	Guidance Counselor's Office	2	120	240	3	120	360	4	120	480	5	120	600	8	120	960
H-AD-12	Guidance Records/Storage	1	100	100	1	100	100	1	200	200	1	200	200	1	300	300
H-AD-13	Guidance Conference Room	1	150	150	2	200	400	3	250	750	4	250	1,000	4	250	1,000
H-AD-14	Parent/Volunteer Room	1	200	200	1	300	300	1	400	400	1	400	400	2	400	800
H-AD-15	Health Clinic	1	400	400	1	450	450	1	500	500	1	550	550	1	600	600
H-AD-16	Itinerant Personnel Office	2	120	240	2	120	240	3	120	360	2	120	240	3	120	360
H-AD-17	Career Center	1	300	300	1	335	335	1	527	527	1	628	628	1	715	715
H-AD-18	Family Restroom	1	80	80	1	80	80	1	80	80	1	80	80	1	80	80
Administrative Total				3,160			4,420			6,447			7,673			10,545

WORKSHEET		New SF			Existing SF			TOTAL SF		
Space		Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-AD-1	Reception Area	0	500	0	0	0	0	0	varies	0
H-AD-2	Secretarial Area	1	300	300	0	0	0	1	varies	300
H-AD-3	Principal's Office	0	150	0	0	0	0	0	varies	0
H-AD-4	Assistant Principal's Office	2	120	240	0	0	0	2	varies	240
H-AD-5	Conference Room	0	250	0	0	0	0	0	varies	0
H-AD-6	Mail/Work/Copy Room	0	400	0	0	0	0	0	varies	0
H-AD-7	Administrative Storage	0	200	0	0	0	0	0	varies	0
H-AD-8	Vault/Records Storage	0	110	0	0	0	0	0	varies	0
H-AD-9	In-school Suspension	0	450	0	0	0	0	0	varies	0
H-AD-10	Restroom	0	50	0	0	0	0	0	varies	0
H-AD-11	Guidance Counselor's Office	0	120	0	0	0	0	0	varies	0
H-AD-12	Guidance Records/Storage	0	200	0	0	0	0	0	varies	0
H-AD-13	Guidance Conference Room	0	250	0	0	0	0	0	varies	0
H-AD-14	Parent/Volunteer Room	0	400	0	0	0	0	0	varies	0
H-AD-15	Health Clinic	0	500	0	0	0	0	0	varies	0
H-AD-16	Itinerant Personnel Office	0	120	0	0	0	0	0	varies	0
H-AD-17	Career Center	0	500	0	0	0	0	0	varies	0
H-AD-18	Family Restroom	0	80	0	0	0	0	0	varies	0
Administrative Total			540		0		0			540

See Note 1.
 See Notes 2 and 12.

 See Note 3.
 See Note 4.
 See Note 5.
 See Note 6.

 See Note 7.
 See Note 8.
 See Note 9.
 See Note 10.
 See Note 11.

- NOTE 1: Student capacity determines SF allowed. 350-450: 200 SF; 451-800: 400 SF; 801-1200: 500 SF; 1201-1600: 600 SF; 1601-2000: 800 SF; 2001-2400: 1,000 SF
 NOTE 2: Student capacity determines SF allowed. 350-450: 200 SF; 451-800: 400 SF; 801-1200: 500 SF; 1201-1600: 600 SF; 1601-2000: 800 SF; 2001-2400: 1,000 SF
 NOTE 3: Student capacity determines SF allowed. 350-450: 200 SF; 451-800: 300 SF; 801-1200: 400 SF; 1201-1600: 500 SF
 NOTE 4: Student capacity determines SF allowed. 350-800: 150 SF; 801-1600: 200 SF
 NOTE 5: Student capacity determines SF allowed. 350-450: 50 SF; 451-800: 80 SF; 801-1200: 110 SF; 1201-1600: 140 SF
 NOTE 6: Student capacity determines SF allowed. 350-450: 200 SF; 451-800: 325 SF; 801-1200: 450 SF; 1201-1600: 575 SF
 NOTE 7: Student capacity determines SF allowed. 350-800: 100 SF; 801-2400: 200 SF
 NOTE 8: Student capacity determines SF allowed. 350-450: 150 SF; 451-800: 200 SF; 801-2400: 250 SF
 NOTE 9: Student capacity determines SF allowed. 350-450: 200 SF; 451-800: 300 SF; 801-1600: 400 SF
 NOTE 10: Student capacity determines SF allowed. 350-450: 400 SF; 451-800: 450 SF; 801-1200: 500 SF; 1201-1600: 550 SF
 NOTE 11: Student capacity determines SF allowed. 350-450: 300 SF; 451-800: 400 SF; 801-1200: 500 SF; 1201-1600: 700 SF

For student capacities from 1,601 to 2,400 the area remains the same or increases proportionally as indicated in the example.

Note 12: Reduced for specific attendance office function.

CHAPTER 2: BRACKETING

The following is an example of five sizes of high schools.
 The examples are intended to assist in the development of the summary of spaces.

EXAMPLE Space	450 Students			800 Students			1200 Students			1600 Students			2400 Students		
	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-MC-1 Reading Room/Circulation	1	1,575	1,575	1	2,800	2,800	1	4,200	4,200	1	5,600	5,600	1	8,400	8,400
H-MC-2 Media Specialist Office	1	120	120	1	120	120	2	120	240	2	120	240	2	120	240
H-MC-3 Workroom/Storage	1	300	300	1	400	400	1	500	500	1	600	600	1	700	700
H-MC-4 Main Control/Equipment Rm	1	300	300	1	300	300	1	300	300	1	300	300	1	400	400
H-MC-5 A/V Storage	1	250	250	1	300	300	1	350	350	1	400	400	1	550	550
H-MC-6 Conference Room	1	250	250	1	250	250	2	250	500	3	250	750	4	250	1,000
H-MC-7 Multimedia Production Room	0	500	0	1	500	500	1	500	500	1	500	500	1	800	800
H-MC-8 Document Storage	1	200	200	1	300	300	1	300	300	1	400	400	1	500	500
Media Center Total			2,995			4,970			6,890			8,790			12,590

WORKSHEET Space	New SF			Existing SF			TOTAL SF			
	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	
H-MC-1 Reading Room/Circulation	0	3,367	0	0	0	0	0	varies	0	See Note 1.
H-MC-2 Media Specialist Office	0	120	0	0	0	0	0	varies	0	
H-MC-3 Workroom/Storage	0	500	0	0	0	0	0	varies	0	See Note 2.
H-MC-4 Main Control/Equipment Rm	0	300	0	0	0	0	0	varies	0	
H-MC-5 A/V Storage	0	350	0	0	0	0	0	varies	0	See Note 3.
H-MC-6 Conference Room	0	250	0	0	0	0	0	varies	0	
H-MC-7 Multimedia Production Room	0	500	0	0	0	0	0	varies	0	
H-MC-8 Document Storage	0	300	0	0	0	0	0	varies	0	See Note 4.
Media Center Total			0			0			0	

NOTE 1: The size of the reading room/circulation space is equal to 10% of the student capacity multiplied by 35 SF per student.
 NOTE 2: Student capacity determines SF allowed. 350-450: 300 SF; 451-800: 400 SF; 801-1200: 500 SF; 1201-1600: 600 SF
 NOTE 3: Student capacity determines SF allowed. 350-450: 250 SF; 451-800: 300 SF; 801-1200: 350 SF; 1201-1600: 400 SF
 NOTE 4: Student capacity determines SF allowed. 350-450: 200 SF; 451-1200: 300 SF; 1201-1600: 400 SF

For student capacities from 1,601 to 2,400 the area remains the same or increases proportionally as indicated in the example.

Louisville City School District, LOUISVILLE HIGH SCHOOL AUDITERIA ADDITION
VISUAL ART SPACES
H-VA

The following is an example of five sizes of high schools.
 The examples are intended to assist in the development of the summary of spaces.

EXAMPLE		450 Students			800 Students			1200 Students			1600 Students			2400 Students		
Space		Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-VA-1	Art Room	1	1,200	1,200	2	1,200	2,400	2	1,400	2,800	3	1,400	4,200	5	1,400	7,000
H-VA-2	Kiln/Ceramic Storage	1	100	100	1	200	200	2	200	400	2	200	400	3	300	900
H-VA-3	Art Material Storage	1	200	200	1	300	300	1	300	300	3	300	900	3	400	1,200
Visual Arts Total				1,500			2,900			3,500			5,500			9,100

WORKSHEET		New SF			Existing SF			TOTAL SF		
Space		Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-VA-1	Art Room	0	1400	0	0	0	0	0	varies	0
H-VA-2	Kiln/Ceramic Storage	0	200	0	0	0	0	0	varies	0
H-VA-3	Art Material Storage	0	300	0	0	0	0	0	varies	0
Visual Arts Total				0			0			0

See Note 1.
 See Note 2.
 See Note 3.

NOTE 1: Student capacity determines SF allowed. 350-800: 1200 SF; 801-1600: 1400 SF
 NOTE 2: Student capacity determines SF allowed. 350-450: 100 SF; 451-1600: 200 SF
 NOTE 3: Student capacity determines SF allowed. 350-450: 200 SF; 451-1600: 300 SF

For student capacities from 1,601 to 2,400 the area remains the same or increases proportionally as indicated in the example.

CHAPTER 2: BRACKETING

The following is an example of five sizes of high schools.
 The examples are intended to assist in the development of the summary of spaces.

EXAMPLE		450 Students			800 Students			1200 Students			1600 Students			2400 Students		
Space	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	
H-MU-1 Instrumental Room	1	1,800	1,800	1	2,000	2,000	1	2,500	2,500	2	3,000	6,000	2	3,000	6,000	
H-MU-2 Instrument Storage	1	400	400	1	500	500	1	600	600	1	700	700	1	800	800	
H-MU-3 Orchestra Storage	0	200	0	1	250	250	1	250	250	1	350	350	1	500	500	
H-MU-4 Instrumental Music Library	1	120	120	1	120	120	1	120	120	1	120	120	2	120	240	
H-MU-5 Uniform Storage	1	150	150	1	200	200	1	300	300	2	300	600	1	400	400	
H-MU-6 Vocal Room	0	1,200	0	1	1,200	1,200	1	1,200	1,200	1	1,500	1,500	2	1,500	3,000	
H-MU-7 Vocal Storage	0	150	0	1	200	200	1	300	300	1	300	300	1	400	400	
H-MU-8 Vocal Music Library	1	120	120	1	120	120	1	120	120	1	120	120	2	120	240	
H-MU-9 Ensemble Room	1	200	200	1	300	300	2	300	600	2	300	600	3	400	1,200	
H-MU-10 Practice Room	1	80	80	1	80	80	4	80	320	5	80	400	8	80	640	
Music Total			2,870			4,970			6,310			10,690			13,420	

WORKSHEET		New SF			Existing SF			TOTAL SF		
Space	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	
H-MU-1 Instrumental Room	0	2,500	0	0	0	0	0	varies	0	
H-MU-2 Instrument Storage	0	600	0	0	0	0	0	varies	0	
H-MU-3 Orchestra Storage	0	250	0	0	0	0	0	varies	0	
H-MU-4 Instrumental Music Library	0	120	0	0	0	0	0	varies	0	
H-MU-5 Uniform Storage	0	300	0	0	0	0	0	varies	0	
H-MU-6 Vocal Room	0	1,200	0	0	0	0	0	varies	0	
H-MU-7 Vocal Storage	0	300	0	0	0	0	0	varies	0	
H-MU-8 Vocal Music Library	0	120	0	0	0	0	0	varies	0	
H-MU-9 Ensemble Room	0	300	0	0	0	0	0	varies	0	
H-MU-10 Practice Room	0	80	0	0	0	0	0	varies	0	
Music Total		0	0		0	0			0	

See Note 1.
 See Note 2.
 See Note 3.
 See Note 4.
 See Note 5.
 See Note 6.
 See Note 7.

- NOTE 1: Student capacity determines SF allowed. 350-450: 1800; 451-800: 2000 SF; 801-1200: 2500 SF; 1201-1600: 3000 SF
 NOTE 2: Student capacity determines SF allowed. 350-450: 400; 451-800: 500 SF; 801-1200: 600 SF; 1201-1600: 700 SF
 NOTE 3: Student capacity determines SF allowed. 350-450: 200; 451-1200: 250 SF; 1201-1600: 350 SF
 NOTE 4: Student capacity determines SF allowed. 350-450: 150; 451-800: 200 SF; 801-1200: 300 SF; 1201-1600: 400 SF
 NOTE 5: Student capacity determines SF allowed. 350-1200: 1200 SF; 1201-1600: 1500 SF
 NOTE 6: Student capacity determines SF allowed. 350-450: 150; 451-800: 200 SF; 801-1200: 300 SF; 1201-1600: 400 SF
 NOTE 7: Student capacity determines SF allowed. 350-450: 200; 451-1600: 300 SF

For student capacities from 1,601 to 2,400 the area remains the same or increases proportionally as indicated in the example.

Louisville City School District, LOUISVILLE HIGH SCHOOL AUDITERIA ADDITION
TECHNOLOGY EDUCATION SPACES
H-TE

The following is an example of five sizes of high schools.
 The examples are intended to assist in the development of the summary of spaces.

EXAMPLE Space	450 Students			800 Students			1200 Students			1600 Students			2400 Students		
	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-TE-1 Modular Technology Lab or	1	1,800	1,800	1	1,800	1,800	1	1,800	1,800	2	1,800	3,600	3	1,800	5,400
H-TE-1a Ag-Ed Lab	0	1,800	0	0	1,800	0	0	1,800	0	0	1,800	0	1	1,800	1,800
H-TE-2 Storage	1	150	150	1	200	200	2	200	400	4	200	800	4	250	1,000
H-TE-3 CADD Lab	0	1,200	0	0	1,200	0	1	1,200	1,200	1	1,200	1,200	2	1,200	2,400
H-TE-4 Production Lab	0	1,600	0	1	1,600	1,600	1	1,600	1,600	1	1,600	1,600	2	1,600	3,200
Technology Education Total			1,950			3,600			5,000			7,200			13,800

WORKSHEET Space	New SF			Existing SF			TOTAL SF		
	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-TE-1 Modular Technology Lab or	0	1,800	0	0	0	0	0	varies	0
H-TE-1a Ag-Ed Lab	0	1,800	0	0	0	0	0	varies	0
H-TE-2 Storage	0	200	0	0	0	0	0	varies	0
H-TE-3 CADD Lab	0	1,200	0	0	0	0	0	varies	0
H-TE-4 Production Lab	0	1,600	0	0	0	0	0	varies	0
Technology Education Total			0			0			0

See Note 1.

NOTE 1: Student capacity determines SF allowed. 350-450: 150; 451-1600: 200 SF

For student capacities from 1,601 to 2,400 the area remains the same or increases proportionally as indicated in the example.

CHAPTER 2: BRACKETING

The following is an example of five sizes of high schools.
 The examples are intended to assist in the development of the summary of spaces.

EXAMPLE Space	450 Students			800 Students			1200 Students			1600 Students			2400 Students		
	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-BE-1 Computer and Business Classroom	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	2	1,000	2,000	4	1,000	4,000
H-BE-2 Marketing Classroom	0	900	0	1	900	900	1	900	900	2	900	1,800	2	900	1,800
H-BE-3 Workroom/Storage	1	100	100	1	200	200	1	250	250	3	300	900	3	400	1,200
Business Education Total			1,100			2,100			2,150			4,700			7,000

WORKSHEET Space	New SF			Existing SF			TOTAL SF		
	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-BE-1 Computer and Business Classroom	0	1,200	0	0	0	0	0	varies	0
H-BE-2 Marketing Classroom	0	900	0	0	0	0	0	varies	0
H-BE-3 Workroom/Storage	0	250	0	0	0	0	0	varies	0
Business Education Total			0			0			0

See Note 1.

NOTE 1: Student capacity determines SF allowed. 350-450: 100; 451-800: 200 SF; 801-1200: 250 SF; 1201-1600: 300 SF

For student capacities from 1,601 to 2,400 the area remains the same or increases proportionally as indicated in the example.

Louisville City School District, LOUISVILLE HIGH SCHOOL AUDITERIA ADDITION
FAMILY AND CONSUMER SCIENCE SPACES
H-FCS

The following is an example of five sizes of high schools.
 The examples are intended to assist in the development of the summary of spaces.

EXAMPLE Space	450 Students			800 Students			1200 Students			1600 Students			2400 Students		
	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-FCS-1 Life Skills Lab	1	1,200	1,200	1	1,200	1,200	1	1,200	1,200	2	1,200	2,400	4	1,200	4,800
H-FCS-2 Life Skills Storage	1	200	200	1	250	250	1	300	300	1	350	350	2	400	800
H-FCS-3 Laundry	1	150	150	1	150	150	1	150	150	1	150	150	1	150	150
H-FCS-4 Child Development	0	1,200	0	1	1,200	1,200	1	1,200	1,200	1	1,200	1,200	1	1,200	1,200
Family and Consumer Science Total			1,550			2,800			2,850			4,100			6,950

WORKSHEET Space	New SF			Existing SF			TOTAL SF		
	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-FCS-1 Life Skills Lab	0	1,200	0	0	0	0	0	varies	0
H-FCS-2 Life Skills Storage	0	300	0	0	0	0	0	varies	0
H-FCS-3 Laundry	0	150	0	0	0	0	0	varies	0
H-FCS-4 Child Development	0	1,200	0	0	0	0	0	varies	0
Family and Consumer Science Total			0			0			0

See Note 1.

NOTE 1: Student capacity determines SF allowed. 350-450: 200; 451-800: 250 SF; 801-1200: 300 SF; 1201-1600: 350 SF

For student capacities from 1,601 to 2,400 the area remains the same or increases proportionally as indicated in the example.

**Louisville City School District, LOUISVILLE HIGH SCHOOL AUDITERIA ADDITION
PHYSICAL EDUCATION SPACES
H-PE**

CHAPTER 2: BRACKETING

The following is an example of five sizes of high schools.
The examples are intended to assist in the development of the summary of spaces.

EXAMPLE Space		450 Students			800 Students			1200 Students			1600 Students			2400 Students		
		Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-PE-1	Gymnasium	1	10,000	10,000	1	12,000	12,000	1	14,000	14,000	1	16,000	16,000	1	20,000	20,000
H-PE-2	Auxiliary Gymnasium	0	7,000	0	0	7,000	0	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000
H-PE-3	Student Locker Room	2	550	1,100	2	650	1,300	4	700	2,800	5	850	4,250	8	850	6,800
H-PE-4	Student Restroom/Shower	2	206	411	2	250	500	4	300	1,200	5	350	1,750	8	350	2,800
H-PE-5	Physical Education Storage	1	400	400	1	600	600	1	700	700	1	900	900	2	1,000	2,000
H-PE-6	P.E./Athletic Office	2	75	150	3	75	225	4	75	300	5	75	375	12	75	900
H-PE-7	Staff Shower	2	75	150	3	75	225	4	75	300	5	75	375	6	75	450
H-PE-8	Athletic Director's Office	0	120	0	0	120	0	1	120	120	1	120	120	2	120	240
H-PE-9	Lobby Services	1	100	100	1	200	200	1	250	250	1	300	300	1	500	500
H-PE-10	Training Room	0	200	0	1	300	300	1	400	400	1	600	600	1	900	900
H-PE-11	Physical Health Classroom	0	1,500	0	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500	2	1,500	3,000
H-PE-12	Multi-use P.E. Room	0	1,400	0	1	1,400	1,400	1	1,600	1,800	1	1,800	1,800	2	2,400	4,800
Physical Education Total				12,311			18,250			30,370			34,970			49,390

WORKSHEET Space		New SF			Existing SF			TOTAL SF			
		Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	
H-PE-1	Gymnasium	0	14,000	0	0	0	0	0	varies	0	See Note 1.
H-PE-2	Auxiliary Gymnasium	0	7,000	0	0	0	0	0	varies	0	See Note 2.
H-PE-3	Student Locker Room	0	700	0	0	0	0	0	varies	0	See Note 3.
H-PE-4	Student Restroom/Shower	0	300	0	0	0	0	0	varies	0	See Note 4.
H-PE-5	Physical Education Storage	0	800	0	0	0	0	0	varies	0	See Note 5.
H-PE-6	P.E./Athletic Office	0	75	0	0	0	0	0	varies	0	
H-PE-7	Staff Shower	0	75	0	0	0	0	0	varies	0	
H-PE-8	Athletic Director's Office	0	120	0	0	0	0	0	varies	0	
H-PE-9	Lobby Services	0	200	0	0	0	0	0	varies	0	See Note 6.
H-PE-10	Training Room	0	400	0	0	0	0	0	varies	0	See Note 7.
H-PE-11	Physical Health Classroom	0	1,500	0	0	0	0	0	varies	0	
H-PE-12	Multi-use P.E. Room	0	2,500	0	0	0	0	0	varies	0	See Note 8.
Physical Education Total				0			0			0	

NOTE 1: Student capacity determines SF allowed. 350-450: 10000 SF; 451-800: 12000 SF; 801-1200: 14000 SF; 1201-1600: 16000 SF

NOTE 2: Auxiliary gymnasium is 7,000 SF regardless of the number of students.

NOTE 3: Student capacity determines SF allowed. 350-450: 550 SF; 451-800: 650 SF; 801-1200: 700 SF; 1201-1600: 850 SF

NOTE 4: Student capacity determines SF allowed. 350-450: 200 SF; 451-800: 250 SF; 801-1200: 300 SF; 1201-1600: 350 SF

NOTE 5: Student capacity determines SF allowed. 350-450: 400 SF; 451-800: 600 SF; 801-1200: 700 SF; 1201-1600: 900 SF

NOTE 6: Student capacity determines SF allowed. 350-450: 100 SF; 451-800: 200 SF; 800-1200: 250 SF; 1201-1600: 300 SF; 1601-2500: 500 SF

NOTE 7: Student capacity determines SF allowed. 350-450: 200 SF; 451-800: 300 SF; 801-1200: 400 SF; 1201-1600: 500 SF

NOTE 8: Student capacity determines SF allowed. 350-800: 1400 SF; 801-1200: 1600 SF; 1201-1600: 1800 SF; 1601-2400: 2400 SF

For student capacities from 1,601 to 2,400 the area remains the same or increases proportionally as indicated in the example.

Louisville City School District, LOUISVILLE HIGH SCHOOL AUDITERIA ADDITION
STUDENT DINING SPACES
H-SD

The following is an example of five sizes of high schools.
 The examples are intended to assist in the development of the summary of spaces.

EXAMPLE	450 Students			800 Students			1200 Students			1600 Students			2400 Students		
Space	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-SD-1 Student Dining	1	3,000	3,000	1	4,667	4,667	1	7,000	7,000	1	9,333	9,333	1	14,000	14,000
H-SD-2 Stage	1	1,000	1,000	1	1,600	1,600	1	2,400	2,400	1	3,200	3,200	1	4,800	4,800
H-SD-3 Scene Shop and Storage	1	400	400	1	450	450	1	500	500	1	600	600	1	1,000	1,000
H-SD-4 Make-up/Dressing Rooms	2	200	400	2	250	500	2	250	500	2	300	600	2	400	800
H-SD-5 Theatrical Control Room	0	200	0	1	200	200	1	200	200	1	200	200	2	200	400
H-SD-6 Drama Storage	1	200	200	1	400	400	1	500	500	1	600	600	1	1,000	1,000
H-SD-7 Staff Dining	0	450	0	1	600	600	1	750	750	1	900	900	1	1,200	1,200
H-SD-8 Table Storage	1	400	400	1	500	500	1	600	600	1	700	700	0	700	0
Student Dining Total			5,400			8,917			12,450			16,133			23,200

WORKSHEET	New SF			Existing SF			TOTAL SF		
Space	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-SD-1 Student Dining	1	5,612	5,612	0	0	0	1	varies	5,612
H-SD-2 Stage	1	1,825	1,825	0	0	0	1	varies	1,825
H-SD-3 Scene Shop and Storage	1	300	300	0	0	0	1	varies	300
H-SD-4 Make-up/Dressing Rooms	0	150	0	0	0	0	0	varies	0
H-SD-5 Theatrical Control Room	1	200	200	0	0	0	1	varies	200
H-SD-6 Drama Storage	0	500	0	0	0	0	0	varies	0
H-SD-7 Staff Dining	0	750	0	0	0	0	0	varies	0
H-SD-8 Table Storage	1	500	500	0	0	0	1	varies	500
Student Dining Total			8,437			0			8,437

See Note 1.
 See Note 7
 See Notes 2 and 8.
 See Notes 3 and 9.
 See Note 4.
 See Notes 5 and 10.
 See Note 6.

NOTE 1: The size of the student dining space is equal to one-third of the student capacity multiplied by **17.5 SF** per student or 3000 SF, whichever is greater.

NOTE 2: Student capacity determines SF allowed. 350-450: 400; 451-800: 450 SF; 801-1200: 500 SF; 1201-1600: 600SF

NOTE 3: Student capacity determines SF allowed. 350-450: 200; 451-1200: 250 SF; 1201-1600: 300 SF

NOTE 4: Student capacity determines SF allowed. 350-450: 200; 451-800: 400 SF; 801-1200: 500 SF; 1201-1600: 600 SF

NOTE 5: Student capacity determines SF allowed. 350-450: 450; 451-800: 600 SF; 801-1200: 750 SF; 1201-1600: 900 SF

NOTE 6: Student capacity determines SF allowed. 350-450: 400; 451-800: 500 SF; 801-1200: 600 SF; 1201-1600: 700 SF

For student capacities from 1,601 to 2,400 the area remains the same or increases proportionally as indicated in the example.

Note 7: Size to be similar to Louisville Middle School. LMS stage is 1,800 SF.

Note 8: Use existing space across hall for surplus storage.

Note 9: Use existing rooms across hall for dressing/green rooms.

Note 10: Retain portion of existing staff dining.

Louisville City School District, LOUISVILLE HIGH SCHOOL AUDITERIA ADDITION
FOOD SERVICE SPACES
H-FS

CHAPTER 2: BRACKETING

The following is an example of five sizes of high schools.
 The examples are intended to assist in the development of the summary of spaces.

EXAMPLE		450 Students			800 Students			1200 Students			1600 Students			2400 Students		
Space	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty.	SF	Area	Qty.	SF	Area	
H-FS-0	Warming Kitchen	0	900	0	0	1,600	0	0	2,400	0	0	3,200	0	0	4,800	0
H-FS-1	Kitchen (total)	1		1,575	1		2,800	1		4,200	1		5,600	1		8,400
H-FS-1a	Preparation Area		567			1,008			1,512			2,016			3,024	
H-FS-1b	Serving Area		536			952			1,428			1,904			2,856	
H-FS-1c	Dry Food Storage		173			308			462			616			924	
H-FS-1d	Cooler/Freezer		158			280			420			560			840	
H-FS-1e	Ware Washing		142			252			378			504			756	
H-FS-2	Dietician Office	1	75	75	1	75	75	1	75	75	1	75	75	1	150	150
H-FS-3	Restroom	1	50	50	1	50	50	1	50	50	1	50	50	2	50	100
H-FS-4	Locker Room	1	125	125	1	125	125	1	125	125	1	125	125	2	125	250
Food Service Total				1,825			3,050			4,450			5,850			8,900

WORKSHEET		New SF			Existing SF			TOTAL SF		
Space	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	
H-FS-0	Warming Kitchen	0	1924	0	0	0	0	varies	0	
H-FS-1	Kitchen (total)	1		3,367	0		0	1	3,367	
H-FS-1a	Preparation Area		1,212			0		varies		
H-FS-1b	Serving Area		1,145			0		varies		
H-FS-1c	Dry Food Storage		370			0		varies		
H-FS-1d	Cooler/Freezer		337			0		varies		
H-FS-1e	Ware Washing		303			0		varies		
H-FS-2	Dietician Office	1	75	75	0	0	0	1	75	
H-FS-3	Restroom	1	50	50	0	0	0	1	50	
H-FS-4	Locker Room	1	125	125	0	0	0	1	125	
Food Service Total				3,617		0			3,617	

See Notes 7 and 8.
 See Notes 1, 8 and 9.
 See Note 2.
 See Note 3.
 See Note 4.
 See Note 5.
 See Note 6.

NOTE 1: The size of the kitchen is equal to the sum of preparation area, serving area, dry food storage area, cooler/freezer area, and ware washing area.

NOTE 2: The size of the preparation area is equal to the student capacity multiplied by 3.5 SF per student multiplied by 36%.

NOTE 3: The size of the serving area is equal to the student capacity multiplied by 3.5 SF per student multiplied by 34%.

NOTE 4: The size of the dry food storage area is equal to the student capacity multiplied by 3.5 SF per student multiplied by 11%.

NOTE 5: The size of the cooler/freezer area is equal to the student capacity multiplied by 3.5 SF per student multiplied by 10%.

NOTE 6: The size of the ware washing area is equal to the student capacity multiplied by 3.5 SF per student multiplied by 9%.

NOTE 7: The size of the warming kitchen is equal to student capacity multiplied by 2.0 SF per student.

NOTE 8: Only one of the two kitchens is to be used - either H-FS-0 OR H-FS-1 - not both.

For student capacities from 1,601 to 2,400 the area remains the same or increases proportionally as indicated in the example.

Note 9: Scatter layout is preferred.

Louisville City School District, LOUISVILLE HIGH SCHOOL AUDITERIA ADDITION
CUSTODIAL SPACES
H-CU

The following is an example of five sizes of high schools.
 The examples are intended to assist in the development of the summary of spaces.

EXAMPLE Space	450 Students			800 Students			1200 Students			1600 Students			2400 Students		
	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty.	SF	Area	Qty.	SF	Area
H-CU-1 Workroom	1	200	200	1	400	400	1	400	400	1	400	400	1	800	800
H-CU-2 Custodial Office	1	100	100	1	100	100	1	100	100	1	100	100	1	400	400
Custodial Total			300			500			500			500			1,200

WORKSHEET Space	New SF			Existing SF			TOTAL SF		
	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-CU-1 Workroom	0	400	0	0	0	0	0	varies	0
H-CU-2 Custodial Office	0	100	0	0	0	0	0	varies	0
Custodial Total			0			0			0

See Note 1.

NOTE 1: Student capacity determines SF allowed. 350-450: 200 SF; 451-1600: 400 SF

For student capacities from 1,601 to 2,400 the area remains the same or increases proportionally as indicated in the example.

CHAPTER 2: BRACKETING

The following is an example of five sizes of high schools.
 The examples are intended to assist in the development of the summary of spaces.

EXAMPLE	450 Students			800 Students			1200 Students			1600 Students			2400 Students		
Space	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-BS-1 Large Group Restrooms	-	1,918	1,918	-	3,153	3,153	-	4,708	4,708	-	6,169	6,169	-	8,902	8,902
H-BS-2 Custodial Closet	2	50	100	3	50	150	4	50	200	5	50	250	6	50	300
H-BS-3 Electrical Closet	2	50	100	3	50	150	4	50	200	5	50	250	6	50	300
H-BS-4 Telecommunications Room (TR)	2	64	128	3	64	192	4	64	256	5	64	320	5	64	320
H-BS-5 Corridors	-	10,962	10,962	-	18,015	18,015	-	26,903	26,903	-	35,251	35,251	-	50,869	50,869
H-BS-6 Mechanical/Electrical Space/Decks	-	3,782	3,782	-	6,215	6,215	-	9,282	9,282	-	12,162	12,162	-	17,550	17,550
H-BS-7 Storage Area	1	150	150	1	200	200	1	250	250	1	250	250	1	500	500
H-BS-8 Central Storage Area	1	250	250	1	300	300	1	350	350	1	400	400	1	800	800
H-BS-9 Loading/Receiving Area	1	120	120	1	120	120	1	120	120	1	120	120	1	400	400
H-BS-10 Restroom	0	50	0	0	50	0	0	50	0	0	50	0	0	50	0
Building Services Total			17,511			28,495			42,269			55,172			79,941

WORKSHEET	New SF			Existing SF			TOTAL SF		
Space	Qty	SF	Area	Qty	SF	Area	Qty	SF	Area
H-BS-1 Large Group Restrooms	2	300	600	-	0	0	-	varies	600
H-BS-2 Custodial Closet	1	50	50	0	0	0	1	varies	50
H-BS-3 Electrical Closet	1	50	50	0	0	0	1	varies	50
H-BS-4 Telecommunications Room (TR)	0	64	0	0	0	0	0	varies	0
H-BS-5 Corridors	-	800	800	-	0	0	-	varies	800
Vertical Circulation	-	0	0	-	0	0	-	varies	0
H-BS-6 Mechanical/Electrical Space/Decks	-	800	800	-	0	0	-	varies	800
H-BS-7 Storage Area	0	250	0	0	0	0	0	varies	0
H-BS-8 Central Storage Area	0	350	0	0	0	0	0	varies	0
H-BS-9 Loading/Receiving Area	0	120	0	0	0	0	0	varies	0
H-BS-10 Restroom	0	50	0	0	0	0	0	varies	0
Building Services Total			2,300			0			2,300

See Notes 1 and 8.

See Note 7.

See Notes 2 and 9.

See Note 6.

See Notes 3 and 10.

See Note 4.

See Note 5.

NOTE 1: The total size of large group restrooms is equal to the sum of the program areas, excluding building services, multiplied by 3.5%.

NOTE 2: The total size of the corridors is equal to the sum of the program areas, excluding building services, multiplied by 20%.

NOTE 3: The total size of the mechanical/electrical space/decks is equal to the sum of the program areas, excluding building services, multiplied by 6.9%.

NOTE 4: Student capacity determines SF allowed. 350-450: 150 SF; 451-800: 200 SF; 801-1600: 250 SF

NOTE 5: Student capacity determines SF allowed. 350-450: 250 SF; 451-800: 300 SF; 801-1200: 350 SF; 1201-1600: 400 SF

NOTE 6: Vertical Circulation refers only to the following: Stairways/stairtowers, monumental stairs, elevators and elevator equipment room.

NOTE 7: Size of TR varies with size of high school. See page 6114-7.

For student capacities from 1,601 to 2,400 the area remains the same or increases proportionally as indicated in the example.

Note 8: Need restrooms adjacent to student dining, size can be appropriate to available area.

Note 9: Minimize excess circulation but provide corridor connection to classroom addition.

Note : Verify minimum needs for this.