

Attachment B - ACC Base Educational Specifications

New Arlington Career Center: Option High School

Preliminary Space Program / Outline Educational Specifications

10.05.21

Capacity: 1550 Students ( 600 Arlington Tech HS + 450 Arlington Tech MS, 300 CTE-only (per period), 70 EL, 60 Academic Academy, 70 PEP) Student:Teacher Ratios: Arlington Tech HS 26.9:1, Arlington Tech MS 25.15:1, CTE 20:1, EL/Academic Academy 15:1, PEP/Special Ed 10:1 Factored Space Utilization: 85% Schedule: 8-period block schedule for academic and technical programs							
PROGRAM AREA DESCRIPTION	NSF / Space	Spaces Requ'd	NSF Ext'd	TS	Factored Capacity	Total Capacity	Notes
<b>1.0 ACADEMIC / TECHNICAL</b>							
<b>1.1 Arlington Tech High School</b>							
1.1.1 Core Academic Classroom	700	14	9,800	14	22.00	308.00	
1.1.2 Science Lab	1,400	5	7,000	5	22.00	110.00	
1.1.2.1 Prep Room	400	3	1,200				
1.1.2.2 Chemical Stg	100	1	100				
1.1.3 Special Needs Classroom	700	1	700	1	9.00	9.00	
1.1.4 Resource Room	400	4	1,600				
<b>Subtotal</b>			<b>20,400</b>	<b>20</b>		<b>427.00</b>	
<b>1.2 Arlington Tech Middle School</b>							
1.2.1 Core Academic Classroom	700	15	10,500	17	21.00	357.00	Math, Engl, SS, Reading, WL
1.2.2 Science Lab	1,400	4	5,600	4	21.00	84.00	
1.2.2.1 Prep Room	200	3	600				
1.2.3 Special Needs Classroom	700	1	700	1	9.00	9.00	
1.2.4 Resource Room	400	3	1,200				
<b>Subtotal</b>			<b>18,600</b>	<b>22</b>		<b>450.00</b>	
<b>1.3 Program for Employment Preparedness</b>							
1.3.1 Special Needs Classroom	700	8	5,600	8	9.00	72.00	
1.3.2 Life Skills Lab	1,000	1	1,000				
1.3.2.1 Toilet / Changing	100	1	100				
1.3.2.2 Storage	100	1	100				
1.3.3 Resource Room	400	1	400				
<b>Subtotal</b>			<b>7,200</b>	<b>8</b>		<b>72.00</b>	
<b>1.4 Academic Academy / English Learners</b>							
1.4.1 Classroom	700	8	5,600	8	13.00	104.00	
1.4.2 Science Lab	1,400	2	2,800	2	13.00	26.00	
1.4.2.1 Prep Room	400	1	400				
1.4.3 Resource Room	400	2	800				
<b>Subtotal</b>			<b>9,600</b>	<b>10</b>		<b>130.00</b>	
<b>1.5 Career &amp; Technical Education (High School)</b>							
1.5.1 AFJROTC							
1.5.1.1 Classroom	700	1	700	1	22.00	22.00	comply with AF/APS MOA, 2014 with operable wall shared office
1.5.1.2 Office	200	1	200				
1.5.1.3 Uniforms/Storage	400	1	400				
1.5.1.4 Armory	200	1	200				double-lock condition
1.5.2 Early Childhood							adj. to Teen Parenting, preschool with observation window w/ kitchenette, ext. entry/tot lot
1.5.2.1 Classroom	700	1	700	1	17.00	17.00	
1.5.2.2 Lab	1200	1	1,200				
1.5.2.3 Toilet	50	1	50				
1.5.2.4 Laundry/Storage	50	1	50				
1.5.3 Comp. Science/Programming	700	2	1,400	2	22.00	44.00	
1.5.4 Tft, Entrepreneurship, C.I.	700	1	700	1	22.00	22.00	
1.5.5 TV/Media							
1.5.5.1 Classroom/Lab	1400	1	1,400	1	22.00	22.00	Digital Editing, Media, Graphics
1.5.5.2 TV Studio	1200	1	1,200				
1.5.5.2.1 Control Room	200	1	200				
1.5.5.2.2 Storage	200	1	200				
1.5.6 Engineering	1400	2	2,800	2	22.00	44.00	
1.5.7 Digital Photography/Graphics	1400	2	2,800	2	22.00	44.00	
1.5.8 Cybersecurity	1400	1	1,400	1	22.00	22.00	incl. space for server "sandbox"
1.5.9 EMT	1400	2	2,800	2	22.00	44.00	
1.5.10 Forensics	1400	1	1,400	1	22.00	22.00	
1.5.11 Health/Medical/Pharm. Tech	1400	1	1,400	1	22.00	22.00	
1.5.12 Phys Therapy/Sports Med	1400	1	1,400	1	22.00	22.00	
1.5.13 Animal Sciences/Vet Tech	1400	2	2,800	2	17.00	34.00	
1.5.14 Auto Collision							
1.5.14.1 Classroom	700	1	700	1	17.00	17.00	
1.5.14.2 Lab	4000	1	4,000				incl. space for paint booth
1.5.14.2.1 Tool Storage	400	1	400				
1.5.14.2.2 Paint Storage	200	1	200				
1.5.14.2.3 Office	100	1	100				
1.5.15 Auto Technology							

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1.5.15.1 Classroom	700	3	2,100	3	17.00	51.00	
1.5.15.2 Lab	5000	1	5,000				
1.5.15.2.1 Tool Storage	400	1	400				
1.5.15.2.2 Parts Storage	400	1	400				
1.5.15.2.3 Changing Rm	100	1	100				
1.5.16 Aviation Technology	1400	1	1,400	1	17.00	17.00	
1.5.17 Cosmetology/Barbering							
1.5.17.1 Lab	1400	2	2,800	2	17.00	34.00	
1.5.17.1.1 Storage	200	2	400				
1.5.18 Culinary Arts							add changing room
1.5.18.1 Classroom	700	2	1,400	2	17.00	34.00	
1.5.18.2 Lab	2500	1	2,500				baking and cooking
1.5.18.2.1 Dry Storage	200	1	200				
1.5.18.2.2 Refrig/Frzr	200	1	200				
1.5.18.2.3 Office	100	1	100				
1.5.18.2.4 Changing Rm	100	1	100				
1.5.19 Electricity							
1.5.19.1 Classroom	1400	1	1,400	1	17.00	17.00	
<b>Subtotal</b>			<b>49,300</b>	<b>28</b>		<b>551.00</b>	
<b>1.6 Career &amp; Technical Education (Middle School)</b>							
1.6.1 Work & Family Studies							
1.6.1.1 Lab	1850	1	1,850				Nutrition Lab, Demo, Sewing (study SF)
1.6.1.1.1 Storage	200	1	200				
1.6.2 Flexible CTE Labs	1200	3	3,600				includes Business
<b>Subtotal</b>			<b>5,650</b>	<b>0</b>			
<b>1.7 Project Labs</b>							spaces shared by all programs
1.7.1 Fabrication Lab	2,500	1	2,500				
1.7.1.1 Storage	200	1	200				
<b>Subtotal</b>			<b>2,700</b>	<b>0</b>			
<b>1.8 Collaborative Learning</b>							spaces shared by all programs
1.8.1 Breakout	varies		2,000				open spaces, distributed
1.8.2 Small Group/Conference	200	4	800				
<b>Subtotal</b>			<b>2,800</b>	<b>0</b>			
<b>1.9 Learning Support</b>							distributed
1.9.1 Teacher Collaboration	1,000	3	3,000				accommodate +/- 20 teachers per
1.9.1.1 Staff Toilet	50	3	150				
1.9.1.2 Wellness Room	50	3	150				prayer, lactation, meds
1.9.2 Academic Storage	150	3	450				
1.9.3 Conference	200	3	600				
1.9.4 School Store	200	1	200				
<b>Subtotal</b>			<b>4,550</b>	<b>0</b>			
<b>Program Area Total</b>			<b>120,800</b>	<b>88</b>		<b>1,630.00</b>	
<b>ARTS</b>							
<b>2.1 Visual / Fine Arts</b>							
2.1.1 Learning Labs	1,200	1	1,200	1	11.00	11.00	2D, 3D, Graphics Lab, Animation
2.1.1.1 Storage	200	2	400				
2.1.1.2 Pottery	400	1	400				
2.1.1.3 Kiln / Storage	200	1	200				
<b>Subtotal</b>			<b>2,200</b>	<b>1</b>		<b>11</b>	
<b>2.2 Performing Arts</b>							spaces shared by all HS and MS programs
2.2.1 General Music	1,800	1	1,800	1	11.00	11.00	
2.2.1.2 Storage	400	2	800				
2.2.2 Music Lab	1,200	1	1,200	1	11.00	11.00	Flexible use, keyboard, digital recording, etc.
2.2.3 Ensemble / Practice	200	2	400				
2.2.4 Practice Room	100	2	200				
<b>Subtotal</b>			<b>4,400</b>	<b>2</b>		<b>22</b>	
<b>2.3 Black Box</b>	2,500	1	2,500				designed as open, flexible performance space
2.3.1 Storage	400	2	800				
2.3.2 Control Room	100	1	100				
2.2.3 Dressing Room w/ Toilet	400	2	800				
<b>Subtotal</b>			<b>800</b>	<b>0</b>		<b>0</b>	
<b>Program Area Total</b>			<b>7,400</b>	<b>3</b>		<b>33.00</b>	
<b>ATHLETICS</b>							
<b>3.1 Physical Education</b>							
3.1.1 Full Size Gymnasium	9,500	1	9,500	4	22.00	88.00	
3.1.2 Fitness Room	2,000	2	2,000	1	22.00	22.00	
3.1.3 Health Classrooms	1,200	1	1,200	1	22.00	22.00	Accommodate up to 40 Students
<b>Subtotal</b>			<b>12,700</b>	<b>6</b>		<b>132.00</b>	
<b>3.2 Locker Room</b>							

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3.2.1	P.E. Locker Room (Open lockers)	800	1	800				confirm no./size of lockers
3.2.3	Unisex Toilets/Showers	100	6	600				
3.2.4	Unisex Changing Stalls	40	8	320				
3.2.6	Custodial Closet	50	2	100				
<b>Subtotal</b>				<b>1,820</b>	<b>0</b>			
<b>3.3 Coaches &amp; Faculty</b>								
3.3.1	P.E. Faculty Office	400	2	800				
3.3.1.1	Toilet /Shower	100	2	200				
<b>Subtotal</b>				<b>1,000</b>	<b>0</b>			
<b>3.4 Athletics/P.E. Support</b>								
3.4.1	Laundry	400	1	400				(1) ea comm. and residential w/d
3.4.2.1	P.E. Storage	600	2	1,200				
3.4.2.2	Outdoor Storage	200	1	200				
<b>Subtotal</b>				<b>1,800</b>	<b>0</b>			
<b>Program Area Total</b>				<b>17,320</b>	<b>6</b>		<b>132.00</b>	
<b>AUXILIARY</b>								
<b>4.1 Library / Media Services</b>								
4.1.1	Reading/Shelving	2,000	1	2,000				open and/or distributed space
4.1.3	Conference	200	1	200				
4.1.4	Office	200	1	200				accommodate (2) staff offices
4.1.5	Storage	200	1	200				
4.1.6	Café	600	1	600				
<b>Subtotal</b>				<b>3,200</b>	<b>0</b>			
<b>4.2 Dining</b>								
4.2.1	Student Dining Room/Commons	5,000	1	5,000				
4.2.2	Chair/Table Storage	400	1	400				
<b>Subtotal</b>				<b>5,400</b>	<b>0</b>			
<b>4.3 Food Preparation</b>								
4.3.1	Kitchen / Serving	3,200	1	3,200				
4.3.2	Walk-in Refrigerator	200	1	200				
4.3.3	Walk-in Freezer	200	1	200				
4.3.4	Dry Storage	400	1	400				
4.3.5	Manager's Office	150	1	150				
4.3.7	Staff Lockers/Toilet	200	1	200				
4.3.8	Laundry	100	1	100				
4.3.9	Custodial / Storage	50	1	50				
<b>Subtotal</b>				<b>4,500</b>	<b>0</b>			
<b>Program Area Total</b>				<b>13,100</b>	<b>0</b>		<b>0.00</b>	
<b>ADMINISTRATION</b>								
<b>5.1 Main Office</b>								
5.1.1	Main Office Reception	600	1	600				Combined HS and MS incl. Admin Asst & Attend work sp
5.1.3	Workroom/Mail	400	1	400				
5.1.4	Principal	200	1	200				
5.1.5	Assist. Principal	150	4	600				
5.1.6	Attendance	150	1	150				
5.1.7	Conference Room	400	2	800				
5.1.8	Treasurer	150	1	150				
5.1.9	Itinerant Office	120	1	120				
5.1.10	Program Coordinator	150	14	2,100				
5.1.11	Student Services	120	8	960				
5.1.12	Records Storage	200	1	200				
5.1.13	Staff Toilet	50	2	100				
5.1.14	Storage	100	1	100				
<b>Subtotal</b>				<b>6,480</b>	<b>0</b>			
<b>5.2 Counseling</b>								
5.2.1	Reception	400	1	400				Counseling & AP Admin Assist
5.2.2	Director's Office	200	1	200				
5.2.3	Counselor's Office	150	6	900				
5.2.4	Registrar	120	1	120				
5.2.5	College Career Counselor	600	1	600				
5.2.6	NOVA Counselor	150	1	150				
5.2.7	Conference Room	200	1	200				
5.2.8	Workroom	150	1	150				
5.2.9	Records Storage	200	1	200				
5.2.10	Staff Toilet	50	2	100				
<b>Subtotal</b>				<b>3,020</b>	<b>0</b>			
<b>5.3 Health Services</b>								
5.3.1	Waiting/Reception	100	1	100				

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5.3.2	Nurse's Office	120	1	120			
5.3.3	Exam Room	150	1	150			
5.3.4	Resting Area	150	4	600			
5.3.5	Storage	50	1	50			
5.3.6	Toilet	50	2	100			
<b>Subtotal</b>				<b>1,120</b>	<b>0</b>		
<b>Program Area Total</b>				<b>10,620</b>	<b>0</b>	<b>0.00</b>	
<b>ANCILLARY</b>							
<b>6.1 Technology Services</b>							
6.1.1	I.T. Admin Office/Workroom	400	1	400			Shared office space for 2-3 staff
6.1.2	Digital Technology Storage	200	1	200			
6.1.3	MDF Room	200	1	200			
6.1.4	Data Closets	100	10	1,000			
<b>Subtotal</b>				<b>1,800</b>	<b>0</b>		
<b>6.2 Building Services</b>							
6.2.1	Central Receiving / Storage	800	1	800			
6.2.2	Custodial Staff Office	400	1	400			
6.2.3	Toilets / Lockers	200	1	200			
6.2.5	Mechanical/Electrical Equip	4,000	1	4,000			
6.2.6	Public/Student Restrooms	500	8	4,000			
<b>Subtotal</b>				<b>9,400</b>	<b>0</b>		
<b>Program Area Total</b>				<b>11,200</b>	<b>0</b>	<b>0.00</b>	
<b>TEEN PARENTING PROGRAM</b>							
<b>7.1 TEEN PARENTING PROGRAM</b>							
7.1.1	Director	150	1	150			
7.1.2	Coordinator	350	1	350			
7.1.3	Classrooms	350	4	1,400			
7.1.4	Records	100	1	100			
7.1.5	Storage	100	2	200			
7.1.6	Kitchenette	100	1	100			
7.1.7	Staff Toilet	50	1	50			
7.1.8	Child Toilet	60	2	120			
7.1.9	Laundry	40	1	40			
7.1.10	Nursing Station	100	1	100			
7.1.11	Indoor Play Area	1,400	1	1,400			
<b>Subtotal</b>				<b>4,010</b>			
<b>Program Area Total</b>				<b>4,010</b>	<b>0</b>	<b>0.00</b>	

<b>Total Teaching Stations &amp; Capacity</b>	<b>97</b>	<b>1,795.00</b>
<b>Total Net Program Area</b>	<b>184,450</b>	
<b>Non-Program Space @ .40</b>	<b>73,780</b>	
<b>Total Gross Building Area</b>	<b>258,230</b>	