PART A: PROJECT JUSTIFICATION
BOARD TRANSMITTAL

Project #: _____ (PDE Use Only)

DISTRICT/CTC: Avon Grove School District COUNTY: Chester

PRJT BLDG NAME: Avon Grove High School GRADES: 9 - 12

NON-VOC	VOC	PAGE #	
X		A02-A03	Project Description
X		A04	Project Accounting Based on Estimates
		A05	Page Not Used
		A06	Page Not Used
X		A07	Elementary Building Capacity
X		A08	Middle/Secondary Building Capacity
X		A09	Summary of Owned Buildings and Land
X		A10	Enrollment Projections by Grade Level/Act 34 of 1973: Substantial Addition Determination (For vocational projects - complete lines G-I only)
X			Current Elementary/Secondary Public Enrollment For October (ESPE web-based data collection system)
N/A		A11-A12	Elementary Room Schedule for Project Building
X		A13-A15	Middle/Secondary Room Schedule for Project Building
N/A		A16	Central District Administration Office
N/A		A17	Vocational Room Schedule for Project Building
X		A18	Room Schedule Adjustments
X		A19	Project Full Time Equivalents
X		A20	Comparative Design Analysis (For Vocational projects - complete lines E-G only)
N/A		A21	20% Rule for Alteration Costs for Non-Vocational Projects
X		A22	Full Time Equivalents Converted to Rated Pupil Capacity
X		A23	District-Wide Facility Study Certification
X			Project Site Plan Drawing for Part B
X			Project Building Floor Plan Drawing for Part B
X			Separate Floor Plan Identifying Spaces Listed on Room Schedule with Calculated Area Noted Therein and Perimeter of Each Scheduled Area Clearly Marked in a Contrasting Color
X			Educational Specifications for Part B
			Craft Committee Recommendations
			Bureau of Career and Technical Education PDE-320 form

The architectural firm for this project is: KCBA Architects

The architect to be contacted if there are any questions about Part A is:

Michael Kelly, AIA, Principal (Architect's Name and Position) | 610.262.7811 (Phone Number) | 610.262.1150 (Fax Number)

The architect's e-mail address is: mike.kelly@kcba-architects.com

The architectural firm's address is: 8 East Broad Street, Hatfield, PA 19440

The district/CTC administrator to be contacted about Part A is:

Dr. Christopher Marchese, Superintendent (District/CTC Administrator's Name and Position) | 610.869.2411 (Phone Number) | 610.869.8651 (Fax Number)

The district/CTC's representative(s) at the Part B, Schematic Review, conference(s) will be: Dr. Christopher Marchese, Superintendent (Name and Position); Henry Guarriello, AIA, Project Manager (Name and Position)

The SD/CTC administrator's e-mail address is: mmarchese@avongrove.org

This certifies that the attached materials were approved for submission to the Pennsylvania Department of Education by board action. This also certifies that this proposed project is in conformance with the district/CTC's Strategic Plan and its amended Comprehensive Special Education Plan.

BOARD ACTION DATE: 11/15/2018

VOTING: AYE _____ NAY _____ ABSTENTIONS _____ ABSENT _____

_____ (Signature, Board Secretary)

Mr. Daniel Carsley (Board Secretary's Name, Printed or Typed)

Avon Grove School District, 375 S. Jennersville Rd, West Grove, PA 19390 (District/CTC Address) | 11/15/2018 (Date)

PROJECT DESCRIPTION (Page 1 of 2)

District/CTC:	Project Name:	Grades:
Avon Grove School District	Avon Grove High School	9 - 12

1. Indicate the type of project:

New School Building	Additions to Existing Building	Alterations to Existing Building	Building Purchase
X			

2. Indicate the current condition of the project building:

Poor	Fair	Good	Excellent
N/A	N/A	N/A	N/A

3. Indicate the current Portfolio Manager Score (1 - 100), predicted Target Finder Score (1 - 100) and EUI (Energy Utilization Index) in thousands of British Thermal Units per Square Foot (kbtu/sf) for the project building:

Portfolio Manager Score	Target Finder	Site EUI	Source EUI
N/A	82	38	79

4. Indicate the L & I construction type for the project building:

Fire-Resistive	Non-Combustible	Protected Heavy Timber	Wood Frame or Ordinary
X			

5. Indicate the number of stories for the project building:

1 story	2 stories	3 stories	4 or more
		x	

6. If a project involves the renovation of a structure of more than one story which has wood framing (interior or exterior framing that is wholly or partially of wood), provide a description of the construction plans and methods designed to meet health and safety standards related to the use of wood in this building (BEC 24 P.S. § 7-733).

N/A, This is a new building

7. Briefly describe the work, in general, to be completed by this construction project:

Construct a new high school building to accommodate 1750 Students providing integrated STEM programs.

8. Indicate the reasons justifying the planned project (check the following if applicable):

Enrollment Growth	Educational Programming	Health and Safety Issues	Building and/or Site Accessibility
X	X		X

Structural and/or Roof	HVAC, Electrical and/or Plumbing	Other:

9. Briefly describe any educational, operational and administrative changes that will be implemented as a result of this construction project.

STEAM courses will be integrated in the high school program for all students. The new building will facilitiate having an identifiable entrance and controlled by administration and improved security

10. Is total demolition of an entire existing structure part of this project? Yes ____ No X

11. Is there any building/structure/site condition/site feature that is more than 50 years old on this site? If yes, please describe. Yes ____ No X

12. Will this project involve the demolition of historically significant structures, including but not limited to school buildings or private residences? If Yes, please describe. Yes ____ No X

13. Indicate the site acreage:

Current	153.8
To be Acquired	
Total Planned	153.8

(If acreage is to be acquired, report costs on Page A04, Line N.)

14. Are there any other district buildings located at this site? If yes, list the other buildings: Yes ____ No X

15. Is the acreage to be acquired currently in agricultural use? Yes ____ No X

PROJECT DESCRIPTION (Page 2 of 2)

District/CTC:	Project Name:	Grades:
Avon Grove School District	Avon Grove High School	9 - 12

16. Describe the existing site topography and any planned changes.

The new building will be located to take advantage of the existing topography and avoid the wetlands and bog turtle habitat. The building will be located in the Northeastern part of the site to take advantage of the flatter areas of the site and make the building most visible from Baltimore Pike and Sunnyside Road. Site grading will occur to create plateaus for hte playfields and minimize the overall site grading. Stormwater detention will be located naturally.

17. Describe existing access to public roads and any planned changes.

One main entrance will be off of an access road that connects Baltimore Pike and RT 796 (Jennersville Road). A traffic light will be added to the intersection at the access road an.d Baltimore Pike. An emergnency access only road will be accessible off of Sunny Side Road.

18. Describe existing community use of the site and any planned changes.

The new building and fields will be available for community use when not scheduled for school events. There will be 5 multipurpose fields, a baseball field, a softball field, and 7 tennis courts.

19. Describe existing conditions on or near the site that could affect health and safety.

The southwest corner of hte site is crossed by wetlands and has bog turtle habitat. These areas will be avoided during development of the site to maintain the natural state of the site and provide outdoor learning environments for the students and the community.

20. Is there an adopted municipal comprehensive land use plan, as per the Pennsylvania Municipalities Planning Code?	Yes	X	No	
21. Is there an adopted county comprehensive land use plan?	Yes	X	No	
22. Is there an adopted multi-municipal or multi-county comprehensive land use plan?	Yes		No	X
23. Is there an adopted county or municipal zoning ordinance or a joint municipal zoning ordinance?	Yes		No	X
24. Is the proposed project consistent with these comprehensive plans and/or zoning ordinances?	Yes	X	No	

PROJECT ACCOUNTING BASED ON ESTIMATES

District/CTC:	Project Name:	Grades:
Avon Grove School District	Avon Grove High School	9 - 12

PROJECT COSTS	NEW	EXISTING	TOTAL
A. STRUCTURE COSTS (INCLUDING BUILDING PURCHASE AMOUNT, SITE DEVELOPMENT, ROUGH GRADING TO RECEIVE BUILDING, ROOF REPLACEMENT AND REPAIR, ASBESTOS ABATEMENT, OWNER'S CONTROLLED INSURANCE PROGRAM AND BUILDER'S RISK INSURANCE)	79,036,000		79,036,000
B. ARCHITECT/ENGINEER'S FEE ON STRUCTURE AND EPA-CERTIFIED PROJECT DESIGNER'S FEE ON ASBESTOS ABATEMENT	4,185,000		4,185,000
C. MOVABLE FIXTURES AND EQUIPMENT AND ARCHITECT'S FEE	1,400,000		1,400,000
D. STRUCTURE COSTS, ARCHITECT'S FEE, MOVABLE FIXTURES & EQUIPMENT - TOTAL (A plus B plus C)	84,621,000		84,621,000
E. SANITARY SEWAGE DISPOSAL AND SITE ACQUISITION COSTS	500,000		500,000
F. STRUCTURE COSTS, ARCHITECT'S FEE, MOVABLE FIXTURES & EQUIPMENT, AND SITE COSTS - TOTAL (D plus E)	85,121,000		85,121,000
G. ADDITIONAL CONSTRUCTION-RELATED COSTS (INCLUDING PROJECT SUPERVISION, ARCHITECTURAL PRINTING, TOTAL DEMOLITION OF ENTIRE EXISTING STRUCTURES AND RELATED ASBESTOS REMOVAL, CONTINGENCY) Is total demolition of the entire existing building part of this project? If yes, report these costs (including asbestos removal, architect's fees, OCIP and other related costs)			20,257,000
H. FINANCING COSTS (INCLUDING UNDERWRITER'S FEE, LEGAL FEES, FINANCIAL ADVISOR, CAPITALIZED INTEREST AND PRINTING)			1,855,000
I. TOTAL PROJECT COSTS (F plus G plus H)			107,233,000

DETAILED STRUCTURE COSTS (Breakout costs for Line A. "Existing".)	EXISTING
J. SITE DEVELOPMENT Are changes to existing playgrounds, athletic fields, driveways, sidewalks or other existing site improvements part of this project? If yes, report these costs including architect fees.	
K. ASBESTOS ABATEMENT Is asbestos abatement part of this project? If yes, report these costs including EPA-certified project designer fees).	
L. ROOF REPLACEMENT Is roof replacement part of this project? If yes, report these costs including architect fees.	
M. BUILDING PURCHASE AMOUNT	

SITE ACQUISITION COSTS	TOTAL
N. SITE ACQUISITION (INCLUDING CONTRACT SALES PRICE OR JUST COMPENSATION, APPRAISAL FEES AND ALLOWABLE SETTLEMENT COSTS)	

BID DATE	
O. PROPOSED BID OPENING DATE (MM/YY):	2/2020

ELEMENTARY BUILDING CAPACITY

District/CTC:	Project Name:	Grades:
Avon Grove School District	Avon Grove High School	9 - 12

#1	#2	SCHOOL: Penn London ES				SCHOOL: Avon Grove IS			
		PRESENT		PLANNED		PRESENT		PLANNED	
		#3	#4	#5	#6	#3	#4	#5	#6
NAME OF SPACE	UNIT FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP
HALF-TIME KINDRGRTN	50								
FULL-TIME KINDRGRTN	25	14	350	14	350				
REG CLSRM 660+ SQ FT	25	29	725	18	450	63	1,575	61	1,525
OTHER: ____________									
BUILDING TOTAL	XX	XXXXXX	1,075	XXXXXX	800	XXXXXX	1,575	XXXXXX	1,525

#1	#2	SCHOOL:				SCHOOL:			
		PRESENT		PLANNED		PRESENT		PLANNED	
		#3	#4	#5	#6	#3	#4	#5	#6
NAME OF SPACE	UNIT FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP
HALF-TIME KINDRGRTN	50								
FULL-TIME KINDRGRTN	25								
REG CLSRM 660+ SQ FT	25								
OTHER: ____________									
BUILDING TOTAL	XX	XXXXXX		XXXXXX		XXXXXX		XXXXXX	

#1	#2	SCHOOL:				SCHOOL:			
		PRESENT		PLANNED		PRESENT		PLANNED	
		#3	#4	#5	#6	#3	#4	#5	#6
NAME OF SPACE	UNIT FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP
HALF-TIME KINDRGRTN	50								
FULL-TIME KINDRGRTN	25								
REG CLSRM 660+ SQ FT	25								
OTHER: ____________									
BUILDING TOTAL	XX	XXXXXX		XXXXXX		XXXXXX		XXXXXX	

#1	#2	SCHOOL:				SCHOOL:			
		PRESENT		PLANNED		PRESENT		PLANNED	
		#3	#4	#5	#6	#3	#4	#5	#6
NAME OF SPACE	UNIT FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP
HALF-TIME KINDRGRTN	50								
FULL-TIME KINDRGRTN	25								
REG CLSRM 660+ SQ FT	25								
OTHER:									
BUILDING TOTAL	XX	XXXXXX		XXXXXX		XXXXXX		XXXXXX	

Only kindergarten and regular classrooms 660 square feet or greater should be reported. Although special education rooms and pre-school rooms may be eligible for capacity, these spaces should not be included in the room counts reported above. The following spaces do not receive reimbursable capacity and therefore should <u>not</u> be included in the capacities for an elementary school building: science labs, computer rooms, art rooms, music rooms, small and large group instruction rooms, and multi-purpose rooms.

MIDDLE/SECONDARY BUILDING CAPACITY

District/CTC: Avon Grove School District

Project Name: Avon Grove High School

Grades: 9 - 12

		SCHOOL: Convert AGHS to MS				SCHOOL: New High School Buildng			
		PRESENT		PLANNED		PRESENT		PLANNED	
#1	#2	#3	#4	#5	#6	#3	#4	#5	#6
NAME OF SPACE	UNIT FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP
REG CLSRM 660+ SQ FT	25	32	800	36	900			43	1,075
SCIENCE CLSRM 660+ SQ FT	25	2	50	2	50				
SCIENCE LAB 660+ SQ FT	20	11	220	10	200			16	320
PLANETARIUM W/CLSRM 660+ SQ FT	20								
ALTERNATIVE ED ROOM 660+ SQ FT	20								
BUSINESS CLSRM 660+ SQ FT	25							3	75
BUSINESS LAB 660+ SQ FT	20	6	120						
COMPUTER LAB 660+ SQ FT	20	3	60	2	40			3	60
TV INSTRUCTIONAL STUDIO 660+ SQ FT	20	1	20	1	20			1	20
ART CLASSROOM 660+ SQ FT	20	2	40	1	20			6	120
MUSIC CLASSROOM 660+ SQ FT	25							1	25
BAND ROOM 660+ SQ FT	25	1	25	1	25			1	25
ORCHESTRA ROOM 660+ SQ FT	25			1	25				
CHORAL ROOM 660+ SQ FT	25	1	25	1	25			1	25
FAMILY/CONSMR SCIENCE 660+ SQ FT	20	3	60	3	60			4	80
IA/SHOP 1800+ SQ FT	20	2	40	2	40			2	40
TECH ED 1800+ SQ FT	20							1	20
VO AG SHOP W/CLSRM 660+ SQ FT	20								
DRIVER'S ED 660+ SQ FT	20								
GYM 6500-7500 SQ FT	66	1.5	99	1.5	99			2.0	132
AUX GYM 2500 SQ FT	33							1	33
OTHER: _____									
OTHER: _____									
BUILDING TOTAL	XXX	XXXXXX	1,559	XXXXXX	1,504	XXXXX		XXXXX	2,050
MS/SEC UTILIZATION (BLDG TOTAL X .9)	XXX	XXXXXX	1,403	XXXXXX	1,354	XXXXX		XXXXX	1,845

		SCHOOL: Fred Engle MS to DAO				SCHOOL:			
		PRESENT		PLANNED		PRESENT		PLANNED	
#1	#2	#3	#4	#5	#6	#3	#4	#5	#6
NAME OF SPACE	UNIT FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP	NUMBER OF UNITS	TOTAL FTE CAP
REG CLSRM 660+ SQ FT	25	19	475	7	175				
SCIENCE CLSRM 660+ SQ FT	25	8	200						
SCIENCE LAB 660+ SQ FT	20								
PLANETARIUM W/CLSRM 660+ SQ FT	20								
ALTERNATIVE ED ROOM 660+ SQ FT	20			7	140				
BUSINESS CLSRM 660+ SQ FT	25								
BUSINESS LAB 660+ SQ FT	20								
COMPUTER LAB 660+ SQ FT	20	2	40						
TV INSTRUCTIONAL STUDIO 660+ SQ FT	20								
ART CLASSROOM 660+ SQ FT	20	1	20						
MUSIC CLASSROOM 660+ SQ FT	25	1	25						
BAND ROOM 660+ SQ FT	25	1	25						
ORCHESTRA ROOM 660+ SQ FT	25								
CHORAL ROOM 660+ SQ FT	25	1	25						
FAMILY/CONSMR SCIENCE 660+ SQ FT	20	1	20						
IA/SHOP 1800+ SQ FT	20	1	20						
TECH ED 1800+ SQ FT	20								
VO AG SHOP W/CLSRM 660+ SQ FT	20								
DRIVER'S ED 660+ SQ FT	20								
GYM 6500-7500 SQ FT	66	1.5	99	1.5	99				
AUX GYM 2500 SQ FT	33								
OTHER: _____									
OTHER: _____									
BUILDING TOTAL	XXX	XXXXXX	949	XXXXXX	414	XXXXX		XXXXX	
MS/SEC UTILIZATION (BLDG TOTAL X .9)	XXX	XXXXXX	854	XXXXXX	373	XXXXX		XXXXX	

SUMMARY OF OWNED BUILDINGS AND LAND

District/CTC: Avon Grove School District

Project Name: Avon Grove High School

Grades: 9 - 12

	PRESENT				PLANNED					
#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11
NAME OF BUILDING OR SITE (INCLUDING DAO AND VACANT LAND) OWNED BY SCHOOL DISTRICT/CTC	CONSTRUCTION AND/OR RENOVATION DATES (BID OPENING DATES)	SITE SIZE (ACRES)	GRADE LEVELS	BUILDING FTE	CONVERSION / DISPOSITION AND PLANNED COMPLETION DATE BASED ON OPTION CHOSEN	SITE SIZE (ACRES)	GRADE LEVELS	PLANNED BUILDING FTE	PDE PROJECTED GRADE LEVEL ENROLLMENT 10 YEARS INTO THE FUTURE	FTE MINUS ENROLLMENT (#9 - #10)
Penn London Elem School	1992, 2002	212	K-2	1,025	Maintain - realign grades to full day K & 1st in fall 2023 Remove modulars	212	K-1	850	XXXXXXXX	XXXXXXXX
Avon Grove Intermediate School	2002	212	3-6	1,575	Maintain - realign grades to 2nd-5th in fall 2023	212	2-5	1,525	XXXXXXXX	XXXXXXXX
Avon Grove District Administration All on same site	1922 B	212			Convert DAO to Facilities and Operations	212			XXXXXXXX	XXXXXXXX
Subtotal	XXXXXXXXX	XXX	XXXX	2,600	XXXXXXXXXXXXXXXXXXXXX	XXX	XXXX	2,375	1,790	585
Fred S. Engle Middle School	1961, 70, 97, 2009, 2010	70.1	7-8	854	Convert to DAO/Adult and Alternative Ed	70.1	N/A	373	XXXXXXXX	XXXXXXXX
Avon Grove High School	1957, 95, 97, 2008	70.1	9-12	1,433	Convert to Middle School Complete for Fall 2023 Remove Modular clrms	70.1	6-8	1,372	XXXXXXXX	XXXXXXXX
Subtotal	XXXXXXXXX	XXX	XXXX	2,287	XXXXXXXXXXXXXXXXXXXXX	XXX	XXXX	1,745	1,033	712
					New High School Complete for Fall 2022	154	9-12	1,845	XXXXXXXX	XXXXXXXX
Subtotal	XXXXXXXXX	XXX	XXXX		XXXXXXXXXXXXXXXXXXXXX	XXX	XXXX	1,845	1,324	521
									XXXXXXXX	XXXXXXXX
Subtotal	XXXXXXXXX	XXX	XXXX		XXXXXXXXXXXXXXXXXXXXX	XXX	XXXX		DESCRIPT BOARD REQUIRED	ION OF ACTIONS BELOW
TOTAL	XXXXXXXXX	XXX	XXXX	4,887	XXXXXXXXXXXXXXXXXXXXX	XXX	XXXX	5,965	4,147	1,818

ACTIONS TO BE TAKEN IN THE FUTURE IF PROJECTIONS COME TRUE
AND THE SCHOOL DISTRICT EXPERIENCES EXCESS OR INSUFFICIENT CAPACITY
(FTE MINUS PROJECTED ENROLLMENT (Col. 11) > + or - 300)

CHECK IF APPLICABLE:

- X EXPAND PROGRAMS OR COURSE OFFERINGS
- X PROVIDE SPACE FOR USE BY COMMUNITY GROUPS OR SERVICE AGENCIES
- X OFFER FULL-TIME KINDERGARTEN OR PRE-SCHOOL
- X REDUCE CLASS SIZE
- X CLOSE SCHOOL(S)
- _____ OTHER (DESCRIBE): _____

ENROLLMENT PROJECTIONS BY GRADE LEVEL

District/CTC:	Project Name:	Grades:
Avon Grove School District	Avon Grove High School	9 - 12

ENROLLMENT PROJECTIONS FOR PROJECT BUILDING GRADES

A. Current Elementary/Secondary Public Enrollment For October 2017
(See instructions for further direction.)

1. Current District Enrollment For Grades K-12 — 4,938
2. Current Enrollment For Project Building Grades 9 - 12 — 1,738
(See instructions for further direction)
3. Current Enrollment For Project Building Grades + 10% or 15% — 1,912
(A2 times 1.10 For Districts With Total Enrollment > 1500 or
A2 times 1.15 For Districts With Total Enrollment =< 1500)

B. PDE Enrollment Projections, Dated December 2016
Highest Projected Enrollment for Project Grades — 1,812
(See instructions for further direction)

C. District Projected Enrollment* —
Source Document(s), Date Prepared and Page Number(s):

D. Highest Projected Enrollment (highest of A3, B or C) — 1,912

E. Planned Capacity for Project Grades
(A09, Project Grades Subtotal from Col. #9) — 1,890

F. Enrollment to Capacity Adjustment Factor (D divided by E) — 1.0000
(ROUND TO 4 DEC PL; MAXIMUM = 1.0000)

*If this project's Highest Projected Enrollment (line D) is based on district-generated enrollment projections (line C), provide the projections and supporting documentation.

ACT 34 OF 1973: SUBSTANTIAL ADDITION DETERMINATION

Act 34 of 1973 applies to all new school buildings, district administration offices, and substantial building additions. A building addition is considered substantial when its planned architectural area divided by the existing structure's architectural area is greater than 20%. If your project includes an addition, use the following calculations to determine the applicability of Act 34.

G. Architectural Area - Addition — 299,000 sq. ft.

H. Architectural Area - Existing Structure — sq. ft.

(G divided by H times 100) — 100.00 % (ROUND TO 2 DEC PL) **HEARING REQUIRED**

Act 34 of 1973 requires a public hearing and the distribution of specific project information for school construction projects involving the construction of a new building or a substantial addition to an existing structure. If Act 34 hearing requirements apply to this project, draft copies of the Act 34 hearing advertisement and the project description must be submitted to the Department of Education for review and approval **prior to advertising for the hearing as well as prior to their publication and public distribution** to ensure that all Act 34 requirements will be met for this project.

MIDDLE/SECONDARY ROOM SCHEDULE FOR PROJECT BUILDING (1 OF 3)

District/CTC:	Project Name:	Grades:
Avon Grove School District	Avon Grove High School	9 - 12

		PROJECT PLANNED SPACES - SCHEDULED AREA ONLY									
		EXISTING				NEW				TOTAL	
#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
NAME OF SPACE	UNIT FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	TOTAL AREA SQ FT	TOTAL FTE CAP
LIBRARY	XXX				XXXX	2,800	1.0	2,800	XXXX	2,800	XXXXX
REG CLSRM 660+ SQ FT	25					800	43.0	34,400	1,075	34,400	1,075
REG CLSRM 660+ SQ FT	25										
REG CLSRM 660+ SQ FT	25										
REG CLSRM 660+ SQ FT	25										
REG CLSRM 660+ SQ FT	25										
REG CLSRM 660+ SQ FT	25										
REG CLSRM 660+ SQ FT	25										
REG CLSRM 660+ SQ FT	25										
REG CLSRM 660+ SQ FT	25										
REG CLSRM 660+ SQ FT	25										
REG CLSRM 660+ SQ FT	25										
REG CLSRM 660+ SQ FT	25										
REG CLSRM 660+ SQ FT	25										
REG CLSRM 660+ SQ FT	25										
REG CLSRM 660+ SQ FT	25										
REG CLSRM 660+ SQ FT	25										
SPECIAL ED ROOMS	XXX	SEE PAGE A18				SEE PAGE A18				XXXXXX	XXXXX
SMALL GROUP <850 SQ FT	XXX				XXXX	550	5.0	2,750	XXXX	2,750	XXXXX
SMALL GROUP <850 SQ FT	XXX				XXXX	660	3.0	1,980	XXXX	1,980	XXXXX
LARGE GROUP INS 850+ SQ FT	XXX				XXXX	2,500	1.0	2,500	XXXX	2,500	XXXXX
AUDITORIUM	XXX				XXXX				XXXX		XXXXX
TO SEAT 1000	XXX				XXXX	10,000	1.0	10,000	XXXX	10,000	XXXXX
STAGE	XXX				XXXX	2,500	1.0	2,500	XXXX	2,500	XXXXX
SCIENCE CLSRM 660+ SQ FT	25										
SCIENCE CLSRM 660+ SQ FT	25										
SCIENCE LAB: ________	20					1,200	16.0	19,200	320	19,200	320
SCIENCE LAB: ________	20										
SCIENCE LAB: ________	20										
SCIENCE LAB: ________	20										
SCIENCE STUDENT PROJ RM	XXX				XXXX	280	6.0	1,680	XXXX	1,680	XXXXX
PLANETARIUM CLSRM 660+ SQ FT	20										
OBSERVATORY	XXX				XXXX				XXXX		XXXXX
ALTERNATIVE ED ROOM 660+ SQ FT	20										
OTHER: Science Studen Proj. Room						145	3.0	435		435	
OTHER: SGI						165	2.0	330		330	
OTHER: SGI						120	1.0	120		120	
OTHER: ________											
OTHER: ________											
OTHER: ________											
OTHER: ________											
PAGE A13 SUBTOTAL	XXX	XXXXX	XXXXX			XXXXX	XXXXX	78,695	1,395	78,695	1,395

MIDDLE/SECONDARY ROOM SCHEDULE FOR PROJECT BUILDING (2 OF 3)

District/CTC: Avon Grove School District

Project Name: Avon Grove High School

Grades: 9 - 12

		PROJECT PLANNED SPACES - SCHEDULED AREA ONLY									
		EXISTING				NEW				TOTAL	
#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
NAME OF SPACE	UNIT FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	TOTAL AREA SQ FT	TOTAL FTE CAP
BUSINESS CLSRM 660+ SQ FT	25					800	3.0	2,400	75	2,400	75
BUSINESS CLSRM 660+ SQ FT	25										
BUSINESS LAB 660+ SQ FT	20										
BUSINESS LAB 660+ SQ FT	20										
BUSINESS LAB 660+ SQ FT	20										
COMPUTER LAB 660+ SQ FT	20					1,200	3.0	3,600	60	3,600	60
COMPUTER LAB 660+ SQ FT	20										
COMPUTER LAB 660+ SQ FT	20										
TV INSTRUCTIONAL STUDIO 660+ SQ FT	20					2,200	1.0	2,200	20	2,200	20
OTHER: _____	20										
OTHER: _____											
ART CLASSROOM 660+ SQ FT	20					1,100	6.0	6,600	120	6,600	120
ART CLASSROOM 660+ SQ FT	20										
MUSIC CLASSROOM 660+ SQ FT	25					1,200	1.0	1,200	25	1,200	25
MUSIC CLASSROOM 660+ SQ FT	25										
BAND ROOM 660+ SQ FT	25					2,800	1.0	2,800	25	2,800	25
ORCHESTRA ROOM 660+ SQ FT	25										
CHORAL ROOM 660+ SQ FT	25					1,800	1.0	1,800	25	1,800	25
OTHER: _____											
OTHER: _____											
FAMILY/CONSMR SCIENCE 660+ SQ FT	20					1,200	1.0	1,200	20	1,200	20
FAMILY/CONSMR SCIENCE 660+ SQ FT	20					1,300	2.0	2,600	40	2,600	40
FAMILY/CONSMR SCIENCE 660+ SQ FT	20					1,400	1.0	1,400	20	1,400	20
IA/SHOP 1800+ SQ FT	20					2,200	2.0	4,400	40	4,400	40
IA/SHOP 1800+ SQ FT	20										
TECH ED 1800+ SQ FT	20					2,200	1.0	2,200	20	2,200	20
TECH ED 1800+ SQ FT	20										
TECH ED 1800+ SQ FT	20										
TECH ED 1800+ SQ FT	20										
IA/SHOP <1800 SQ FT	XXX				XXXX				XXXX		XXXXX
TECH ED <1800 SQ FT	XXX				XXXX				XXXX		XXXXX
VO AG SHOP W/CLSRM 660+ SQ FT	20										
DRIVER'S ED 660+ SQ FT	20										
OTHER: _____											
OTHER: _____											
OTHER: _____											
OTHER: _____											
OTHER: _____											
OTHER: _____											
OTHER: _____											
OTHER: _____											
PAGE A14 SUBTOTAL	XXX	XXXXX	XXXXX			XXXXX	XXXXX	32,400	490	32,400	490

MIDDLE/SECONDARY ROOM SCHEDULE FOR PROJECT BUILDING (3 OF 3)

District/CTC: Avon Grove School District

Project Name: Avon Grove High School

Grades: 9 - 12

		PROJECT PLANNED SPACES - SCHEDULED AREA ONLY									
		EXISTING				NEW				TOTAL	
#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
NAME OF SPACE	UNIT FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	TOTAL AREA SQ FT	TOTAL FTE CAP
GYM 6500+ SQ FT	66					6,560	2.0	13,120	132	13,120	132
GYM 6500+ SQ FT	66										
2500 SQ FT AUX GYM	33					6,500	1.0	6,500	33	6,500	33
1000 SQ FT ADAPT GYM	XXX				XXXX	2,000	1.0	2,000	XXXX	2,000	XXXXXX
WRESTLING ROOM	XXX				XXXX				XXXX		XXXXXX
WEIGHT ROOM	XXX				XXXX	2,000	1.0	2,000	XXXX	2,000	XXXXXX
LOCKER ROOM, DRYING & SHOWER RM - BOYS	XXX XXX				XXXX XXXX	1,450	1.0	1,450	XXXX XXXX	1,450	XXXXXX XXXXXX
LOCKER ROOM, DRYING & SHOWER RM - GIRLS	XXX XXX				XXXX XXXX	1,450	1.0	1,450	XXXX XXXX	1,450	XXXXXX XXXXXX
TEAM ROOM	XXX				XXXX	525	2.0	1,050	XXXX	1,050	XXXXXX
TEAM ROOM	XXX				XXXX	250	2.0	500	XXXX	500	XXXXXX
INSTRUCTOR'S OFFICE	XXX				XXXX	155	2.0	310	XXXX	310	XXXXXX
INSTRUCTOR'S OFFICE	XXX				XXXX				XXXX		XXXXXX
OTHER: Trainer						665	1.0	665		665	
OTHER:											
OTHER:											
OTHER:											
NATATORIUM	XXX	SEE PAGE A19				SEE PAGE A19				XXXXX	XXXXXX
KITCHEN & STORAGE # OF SERVINGS: MEALS PREPARED PER SERVING:	XXX XXX XXX XXX				XXXX XXXX XXXX XXXX	4,600	1.0	4,600	XXXX XXXX XXXX XXXX	4,600	XXXXXX XXXXXX XXXXXX XXXXXX
CAFETERIA TO SEAT: 600	XXX XXX				XXXX XXXX	7,500	1.0	7,500	XXXX XXXX	7,500	XXXXXX XXXXXX
FACULTY DINING ROOM	XXX				XXXX	750	1.0	750	XXXX	750	XXXXXX
FACULTY ROOM	XXX				XXXX				XXXX		XXXXXX
INSTR PLANNING CTR	XXX				XXXX	2,245	1.0	2,245	XXXX	2,245	XXXXXX
INSTR PLANNING CTR	XXX				XXXX	550	1.0	550	XXXX	550	XXXXXX
CONFERENCE ROOM	XXX				XXXX	250	1.0	250	XXXX	250	XXXXXX
STUDENT ACTIVITY RM	XXX				XXXX				XXXX		XXXXXX
HEALTH SUITE(NURSE)	XXX				XXXX	1,920	1.0	1,920	XXXX	1,920	XXXXXX
BLDG ADMIN/GUIDANCE TOTAL STAFF:	XXX XXX				XXXX XXXX	6,650	1.0	6,650	XXXX XXXX	6,650	XXXXXX XXXXXX
OTHER: IPC						750	1.0	750		750	
OTHER: Conference						215	1.0	215		215	
OTHER:											
OTHER:											
OTHER:											
OTHER:											
PAGE A15 SUBTOTAL	XXX	XXXXX	XXXXX			XXXXX	XXXXX	54,475	165	54,475	165
PAGE A13 SUBTOTAL	XXX	XXXXX	XXXXX			XXXXX	XXXXX	78,695	1,395	78,695	1,395
PAGE A14 SUBTOTAL	XXX	XXXXX	XXXXX			XXXXX	XXXXX	32,400	490	32,400	490
BUILDING TOTAL	XXX	XXXXX	XXXXX			XXXXX	XXXXX	165,570	2,050	165,570	2,050
MS/SEC UTILIZATION (BLDG TOTAL TIMES .9)	XXX	XXXXX	XXXXX	XXXXX		XXXXX	XXXXX	XXXXX	1,845	XXXXXX	1,845

ROOM SCHEDULE ADJUSTMENTS

District/CTC:	Project Name:	Grades:
Avon Grove School District	Avon Grove High School	9 - 12

		PROJECT PLANNED SPACES - SCHEDULED AREA ONLY									
		EXISTING				NEW				TOTAL	
#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
NAME OF SPACE	UNIT FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	TOTAL AREA SQ FT	TOTAL FTE CAP
ELEMENTARY	XXX	XXXXX	XXXXX	XXXXX	XXXX	XXXXX	XXXXX	XXXXX	XXXX	XXXXXX	XXXXXX
PROJECT ELEM CAP	XXX	XXXXX	XXXXX			XXXXX	XXXXX				
KINDERGARTEN DEDUCT FOR HALF-TIME PRGM	-25	XXXXX XXXXX		XXXXX XXXXX		XXXXX XXXXX		XXXXX XXXXX		XXXXXXX XXXXXXX	
ADJUSTED ELEM CAP	XXX	XXXXX	XXXXX	XXXXX		XXXXX	XXXXX	XXXXX		XXXXXXX	
ENR/CAP ADJ FACTOR	XXX	XXXXX	XXXXX	XXXXX	1.0000	XXXXX	XXXXX	XXXXX	1.0000	XXXXXXX	1.0000
JUSTIFIED ELEM	XXX	XXXXX	XXXXX	XXXXX		XXXXX	XXXXX	XXXXX		XXXXXXX	
REG PRE-SCHOOL 660+*	25										
SP ED PRE-SCHOOL 660+*	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED RESOURCE ROOM > 400 SQ FT	**										(MAX=25)
SP ED RESOURCE ROOM > 400 SQ FT	XXX XXX				XXXX XXXX				XXXX XXXX		XXXXXX XXXXXX
SP ED < 401 SQ FT	XXX				XXXX				XXXX		XXXXXX
SP ED < 401 SQ FT	XXX				XXXX				XXXX		XXXXXX
ADJUSTED ELEMENTARY	XXX	XXXXX	XXXXX			XXXXX	XXXXX				
MIDDLE/SECONDARY	XXX	XXXXX	XXXXX	XXXXX	XXXX	XXXXX	XXXXX	XXXXX	XXXX	XXXXXX	XXXXXX
PROJECT MS/SEC UTIL	XXX	XXXXX	XXXXX			XXXXX	XXXXX	165,570	1,845	165,570	1,845
ENR/CAP ADJ FACTOR	XXX	XXXXX	XXXXX	XXXXX	1.0000	XXXXX	XXXXX	XXXXX	1.0000	XXXXXX	1.0000
JUSTIFIED MS/SEC	XXX	XXXXX	XXXXX	XXXXX		XXXXX	XXXXX	XXXXX	1,845	XXXXXX	1,845
SP ED 660+ SQ FT	25					1,200	1.0	1,200	25	1,200	25
SP ED 660+ SQ FT	25					1,600	1.0	1,600	25	1,600	25
SP ED 660+ SQ FT	25					800	9.0	7,200	225	7,200	225
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED RESOURCE ROOM > 400 SQ FT	**										(MAX=25)
SP ED RESOURCE ROOM > 400 SQ FT	XXX XXX				XXXX XXXX				XXXX XXXX		XXXXXX XXXXXX
SP ED < 401 SQ FT	XXX				XXXX				XXXX		XXXXXX
SP ED < 401 SQ FT	XXX				XXXX				XXXX		XXXXXX
ADJUSTED MS/SEC	XXX	XXXXX	XXXXX			XXXXX	XXXXX	175,570	2,120	175,570	2,120

*** Regular and Special Education Pre-School rooms must meet the requirements addressed in the Part A instructions. Verification that the requirements will be met must be submitted with Part A.**

**** Justified Elementary or Middle/Secondary Capacity (Col. 12) divided by 25. The maximum capacity that may be reported in column #12 is 25. See Part A instructions for a more detailed explanation.**

PROJECT FULL TIME EQUIVALENTS

District/CTC:	Project Name:	Grades:
Avon Grove School District	Avon Grove High School	9 - 12

		PROJECT PLANNED SPACES - SCHEDULED AREA ONLY									
		EXISTING				NEW				TOTAL	
#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
NAME OF SPACE	UNIT FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	TOTAL AREA SQ FT	TOTAL FTE CAP
ADJUSTED ELEMENTARY	XXX	XXXXX	XXXX			XXXX	XXXX				
ADJUSTED MS/SEC	XXX	XXXXX	XXXX			XXXXX	XXXX	175,570	2,120	175,570	2,120
NATATORIUM *		XXXXX	XXXX			XXXX	XXXX				
NATATORIUM LOCKER					XXXXX				XXXXX		XXXXXX
ROOM, DRYING &	XXX	XXXXX	XXXX		XXXXX	XXXX	XXXX		XXXXX		XXXXXX
SHOWER RM - BOYS	XXX	XXXXX	XXXX		XXXXX	XXXX	XXXX		XXXXX		XXXXXX
NATATORIUM LOCKER					XXXXX				XXXXX		XXXXXX
ROOM, DRYING &	XXX	XXXXX	XXXX		XXXXX	XXXX	XXXX		XXXXX		XXXXXX
SHOWER RM - GIRLS	XXX	XXXXX	XXXX		XXXXX	XXXX	XXXX		XXXXX		XXXXXX
DIST ADMIN OFFICE	XXX	XXXXX	XXXX			XXXX	XXXX				
VOCATIONAL	XXX	XXXXX	XXXX			XXXX	XXXX				
PRJT BUILDING TOTAL	XXX	XXXXX	XXXX		XXXXX	XXXX	XXXX	175,570	XXXXX	175,570	XXXXXX

* REFER TO THE PART A INSTRUCTIONS TO DETERMINE IF CAPACITY SHOULD BE ASSIGNED.

COMPARATIVE DESIGN ANAYLSIS

District/CTC:	Project Name:	Grades:
Avon Grove School District	Avon Grove High School	9 - 12

SCHEDULED AREA

A. Planned Scheduled Area - Total		(A19, ADJ ELEM)	+	175,570 (A19, ADJ MS/SEC)	=	175,570 sq. ft.
B. Recommended Scheduled Area						
1. Adjusted FTE - Total		(A19, ADJ ELEM)		2,120 (A19, ADJ MS/SEC)		
2. Recommended Square Feet per student	58			78		
3. Recommended Scheduled Area (B1 times B2)			+	165,360	=	165,360 sq. ft.
C. Difference between Planned and Recommended Scheduled Areas (A minus B3)						10,210 sq. ft.
D. Difference as a Percent of Recommended Scheduled Area (C divided by B3 times 100)						6.17 % (CARRY TO 2 DEC PL)

If Line D is greater than minus 10%, refer to instructions for the Comparative Design Analysis Adjustment calculation on A22 form. If Line D is greater than plus 10%, justification for the excess scheduled area must be provided. Check the following if applicable:

_____ LARGER THAN NORMAL SCHEDULED AREAS REQUIRED TO ACCOMMODATE EDUCATIONAL PROGRAMS AND COMMUNITY NEEDS

_____ LARGER THAN NORMAL SCHEDULED AREAS DUE TO EXISTING BUILDING CONDITIONS

_____ RELATIVELY LOW ENROLLMENT TO CAPACITY ADJUSTMENT FACTOR (A10, Line F)

_____ OTHER (DESCRIBE): _____

ARCHITECTURAL TO SCHEDULED AREA

E. Planned Architectural Area for Total Building

1. Existing _____ sq. ft. (A10, LINE H)
2. New/Addition 299,000 sq. ft. (A10, LINE G)
3. Total 299,000 sq. ft.

F. Planned Scheduled Area for Total Building 175,570 sq. ft. (A19, PRJT BLDG TOT)

PROVIDE

G. Planned Architectural Area divided by Planned Scheduled Area (E3 divided by F) **JUSTIFICATION** 1.703 (CARRY TO 3 DEC PL)

If the above ratio of architectural area to scheduled area for this building is greater than 1.58, justification for excess architectural area must be provided. Check the following if applicable:

X LARGER THAN NORMAL LOBBIES AND ENTRANCE AREAS

_____ SINGLE-LOADED CORRIDORS

X LARGER THAN NORMAL STORAGE AREAS

_____ LARGER THAN NORMAL STAIRWAYS

X OTHER (DESCRIBE): Large mechanical and systems areas

DISTRICT-WIDE FACILITY STUDY CERTIFICATION

District/CTC:	Project Name:	Grades:
Avon Grove School District	Avon Grove High School	9 - 12

The Board of Directors certifies that it has accepted a district-wide facility study pursuant to Basic Education Circular (BEC) 24 P.S. § 7-733, "School Construction Reimbursement Criteria,". At least two copies of the study will be available for public inspection throughout the PlanCon process for this project at

Avon Grove District Office 395 South Jennersville Road, West Grove, PA

(Building or location where facility study will be available for public review)

The district-wide facility study must have been completed <u>within</u> the preceding two years of the Department's receipt of the Part A submittal for this project building.

The completion date of the district-wide facility study is: 3/4/2015 (mm/dd/yyyy) **OUTDATED STUDY**

The authors are: Danielle V. Hoffer, Vice President, Gilbert Architects Inc. 626 N. Charlotte Street, Lancaster, PA 17603

(INCLUDE NAME, POSITION, SCHOOL DISTRICT OR FIRM NAME & ADDRESS)

Tracy Healy, President, Future Think Inc.

(INCLUDE NAME, POSITION, SCHOOL DISTRICT OR FIRM NAME & ADDRESS)

The following information summarizes the nature and contents of the study.

STUDY PAGE(S)	
pg 1-1 to 1-5	1. An overview of the school district that considers such factors as geography, population, wealth. The overview must include: - population and wealth statistics - a map showing the general location of the school district in the state or geographic region - a map of the school district showing the general location of all existing buildings and owned sites in the school district - information on any distinguishing characteristics, such as geographically separate population centers, that will have an impact on facilities
pg 1-5 to 1-15	2. An overview of the school district's educational program. The overview must address for <u>all grades (K-12)</u>: - instructional practices or planned curriculums by grade structure (elementary, middle, secondary, etc.) - special facility needs, if applicable, needed to support planned curriculums
pg 2-1 to 2-13	3. An analysis of projected enrollment. The analysis must include: - the likely enrollment for each grade structure ten years into the future - a discussion of the reliability of the enrollment projections
pg 3-1 to 3-4	4. An analysis of each building's capacity as it relates to the educational program. The analysis must address: - how many students a building can house - the types of educational spaces required by the educational program described above - length of the school day and number of classes per day, if applicable - size of particular rooms and adequacy of those rooms, if applicable - grade alignments
pg intro 4-1 to Sunnyside 4-4	5. An analysis of <u>each</u> building's condition. The analysis must address: - the building's physical condition - the projected useful life of each building's major components (electrical, HVAC, plumbing, etc.) - code violations - universal accessibility - Energy Portfolio Surveys (See Attachment C in Part A Instructions.) - the cost to upgrade <u>each</u> building to current standards
pg 5-1 to 5-15	6. An analysis of construction options. The analysis must address: - the alternatives available to the district based on the above analysis - cost estimates for each alternative - the pros and cons for each alternative - a summary page depicting options and costs - Energy Portfolio Surveys (See Attachment C in Part A Instructions.)
pg 6-1 o 6-3	7. Documentation regarding the author's credentials including education, registration or licensure and experience for each author