

**PART F: CONSTRUCTION DOCUMENTS
BOARD TRANSMITTAL (1 of 2)**

DISTRICT/CTC: Delaware County School Authority COUNTY: Delaware
 PRJT BLDG NAME: Delaware County Technical High School - Aston PROJECT #: 3781

The architectural firm for this project is: MM architects, inc. dba Marotta/Main Architects
 The architect to be contacted if there are any questions about Part F is:

Maryann Marotta | Principal Architect 717.393.3211 717.393.3212
Architect's Name and Position Phone Number Fax Number

The architectural firm's address is: 214 North Duke Street | Lancaster PA 17602

The architect's e-mail address is: mm@marottamain.com

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

Dr. Maria Edelberg | Executive Director of the DCIU 610.938.9000, x 2053 610.938.9887
District/CTC Administrator's Name and Position Phone Number Fax Number

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

This certifies that the attached materials were approved for submission to the Pennsylvania Department of Education by board action. This also certifies that the architect has been directed to insure that all plans related to this project conform to generally accepted codes or guidelines as set forth in Section 349.16 of the Department of Education Standards.

BOARD ACTION DATE: 4 May, 2017

VOTING: AYE _____ NAY _____ ABSTENTIONS _____ ABSENT _____

Signature, Board Secretary Board Secretary's Name, Printed or Typed
200 Yale Avenue | Morton PA 19070 _____
District/CTC Address Date

UPDATED FORMS AND RELATED INFORMATION

<u>ALL PRJTS</u>	<u>PAGE #</u>	
<u>N/A</u>	F03	Enrollment Projections by Grade level
<u>N/A</u>	F04-F05	Elementary Room Schedule for Project Building
<u>N/A</u>	F06-F08	Middle/Secondary Room Schedule for Project Building
<u>N/A</u>	F09	Central District Administration Office
<u>X</u>	F10	Vocational Room Schedule for Project Building
<u>X</u>	F11	Room Schedule Adjustments
<u>X</u>	F12	Project Full Time Equivalents
<u>X</u>	F13	Comparative Design Analysis
<u>X</u>	F14	Full Time Equivalents Converted to Rated Pupil Capacity
<u>N/A</u>	F15	Certificate of Ownership (if applicable)
<u>X</u>	F16	Project Building Characteristics
<u>X</u>	F17	Construction Specification Requirements
<u>X</u>	F18	Rough Grading to Receive the Building
<u>X</u>	F19	Sanitary Sewage Disposal
<u>X</u>	F20	Certification in Lieu of Agency Approvals, Permits & Service Availability Letters
<u>X</u>		Letter or Equivalent Written Certification from Municipality of Project's Conformance with Applicable Comprehensive Plan and Zoning Ordinances (if applicable)
<u>X</u>		Letter or Equivalent Written Certification from County Planning Agency of Project's Conformance with Applicable Comprehensive Plan and Zoning Ordinances (if applicable)
<u>X</u>		A Separate Floor Plan Drawing Identifying Spaces Listed on Room Schedule with Calculated Area Noted Therein and Perimeter of Each Scheduled Area Clearly Marked in a Contrasting Color
<u>N/A</u>		Board Response to Part E, Design Development, Comments From PDE's Architect Requiring Board Response (if applicable)
<u>N/A</u>		EPA/DOE Target Finder "Statement of Energy Design Intent"

(CONTINUED ON THE NEXT PAGE)

**PART F: CONSTRUCTION DOCUMENTS
BOARD TRANSMITTAL (2 of 2)**

DISTRICT/CTC: Delaware County School Authority
 PRJT BLDG NAME: Delaware County Technical High School - Aston

COUNTY: Delaware
 PROJECT #: 3781

- Construction Specifications
- Project's Prime Contracts:
 - General Plumbing Asbestos Abatement Other: ESCO - MEP
 - HVAC Electrical Educational Technology Other: _____
 - Other: Kitchen Equipment Other: _____
 - Other: Roofing Other: _____
- Project Site Plan Drawing
- Project Building Floor Plan Drawings
- Roof Plan Drawings
- Building Elevation Drawings
- Building, Wall Sections and Detail Drawings
- Room and Equipment Layout for the Library
- Room and Equipment Layout for a Typical Classroom
- Room and Equipment Layout for Science Classrooms
- Room and Equipment Layout for Art and Music Rooms
- Room and Equipment Layout for Family/Consumer Science
- Room and Equipment Layout for Technology Labs / Industrial Arts Shop
- Room and Equipment Layout for the Kitchen and Cafeteria
- Room and Equipment Layout for the Administrative, Guidance and Health Suite
- Structural Drawings
- Plumbing Drawings
- HVAC Drawings
- Electrical Drawings
- Sewage Treatment System Drawings
- Asbestos Abatement Plan Drawings and Specifications (If applicable)

AGENCY APPROVALS/RECOMMENDATIONS

Page F20 certifies that all applicable agency reviews and approvals have or will be obtained prior to entering into construction contracts.

PDE USE ONLY

Bid Opening Date: _____
 (MM/DD/YY)

Basis of Award: Base Bid ____ Base Bid plus Accepted Alternates ____

 Owner Controlled Insurance Program:
 Quote Method ____ Bid Alternate ____ Base Bid ____ Other ____

 Asbestos Abatement

 Combined Bid

 Bid Alternates affecting capacity or area

 Demolition of Entire Existing Building

 Project to Be Constructed and Based on approved
 School Design Clearinghouse design
 LEED Silver, Gold or Platinum or two, three or four Green
 Globes certification

 QSCB/QZAB Funded

 Bid Breakouts

 Other: _____

VOCATIONAL ROOM SCHEDULE FOR PROJECT BUILDING

District/CTC: Delaware County School Authority	Project Name: Delaware County Technical High School - Aston	Grades: 9 - 12
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PROJECT PLANNED SPACES - SCHEDULED AREA ONLY														
					EXISTING				NEW				TOTAL	
#1	#2	PDE USE	PDE USE	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13
NAME OF PROGRAM	CIP CODE	CRR APPROVAL	PDE-320/286 APPROVAL	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
Advertising Design	50.0402			21	1,681	1.0	1,681	21					1,681	21
Building Trades	46.0401			29	5,130	1.0	5,130	29					5,130	29
Carpentry	46.0201			36	5,931	1.0	5,931	36					5,931	36
Cosmetology	12.0401			36	3,528	1.0	3,528	36					3,528	36
Culinary Arts	12.0508			24	3,914	2.0	7,827	48					7,827	48
Dental Assisting	51.0601			24	1,870	1.0	1,870	24					1,870	24
Early Childhood Education	19.0708			29	1,802	1.0	1,802	29					1,802	29
Electrical Construction Tech	46.0399			36	3,554	1.0	3,554	36					3,554	36
HVAC	47.0201			29	3,608	1.0	3,608	29					3,608	29
Computer Network/Digital Forens	11.0901			29	3,199	1.0	3,199	29					3,199	29
Engineering (Composite) Techno	15.0399			32	2,758	1.0	2,758	32					2,758	32
Apple Lab	10.9999			24	3,528	1.0	3,528	24					3,528	24
Health Occupational Science	51.9999			24					3,681	1.0	3,681	24	3,681	24
Bio Medical	26.1201			24					2,061	1.0	2,061	24	2,061	24
Exercise Science	51.2604			24					1,984	1.0	1,984	24	1,984	24
Math Lab					770	1.0	770						770	
Media Center					924	1.0	924						924	
Multi-Purpose					1,691	1.0	1,691						1,691	
Admin / Nurse / Guidance					4,236	1.0	4,236						4,236	
Kitchen									1,747	1.0	1,747		1,747	
Cafeteria									1,555	1.0	1,555		1,555	
P.E. Weight Room					769	1.0	769						769	
P.E. Classroom					903	1.0	903						903	
P.E. Gymnasium									7,419	1.0	7,419		7,419	
All Outbuildings					4,588	1.0	4,588		1,700	1.0	1,700		6,288	
All Mezzanines					3,762	1.0	3,762						3,762	
BUILDING TOTAL	XXXX			XXX	XXXX	XXXX	62,059	373	XXXX	XXXX	20,147	72	82,206	445



ROOM SCHEDULE ADJUSTMENTS

District/CTC: Delaware County School Authority	Project Name: Delaware County Technical High School - Aston	Grades: 9 - 12
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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	XXXXXX	XXXXXX	XXXXXX	XXXX	XXXXXX	XXXXXX	XXXXXX	XXXX	XXXXXX	XXXXXX
PROJECT ELEM CAP	XXX	XXXXXX	XXXXXX			XXXXXX	XXXXXX				
KINDERGARTEN DEDUCT FOR HALF-TIME PRGM	-25	XXXXXX		XXXXXX		XXXXXX		XXXXXX		XXXXXX	
ADJUSTED ELEM CAP	XXX	XXXXXX	XXXXXX	XXXXXX		XXXXXX	XXXXXX	XXXXXX		XXXXXX	
ENR/CAP ADJ FACTOR	XXX	XXXXXX	XXXXXX	XXXXXX		XXXXXX	XXXXXX	XXXXXX		XXXXXX	
JUSTIFIED ELEM	XXX	XXXXXX	XXXXXX	XXXXXX		XXXXXX	XXXXXX	XXXXXX		XXXXXX	
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				XXXX				XXXX		XXXXXX
SP ED < 401 SQ FT	XXX				XXXX				XXXX		XXXXXX
SP ED < 401 SQ FT	XXX				XXXX				XXXX		XXXXXX
ADJUSTED ELEMENTARY	XXX	XXXXXX	XXXXXX			XXXXXX	XXXXXX				
MIDDLE/SECONDARY	XXX	XXXXXX	XXXXXX	XXXXXX	XXXX	XXXXXX	XXXXXX	XXXXXX	XXXX	XXXXXX	XXXXXX
PROJECT MS/SEC UTIL	XXX	XXXXXX	XXXXXX			XXXXXX	XXXXXX				
ENR/CAP ADJ FACTOR	XXX	XXXXXX	XXXXXX	XXXXXX		XXXXXX	XXXXXX	XXXXXX		XXXXXX	
JUSTIFIED MS/SEC	XXX	XXXXXX	XXXXXX	XXXXXX		XXXXXX	XXXXXX	XXXXXX		XXXXXX	
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 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				XXXX				XXXX		XXXXXX
SP ED < 401 SQ FT	XXX				XXXX				XXXX		XXXXXX
SP ED < 401 SQ FT	XXX				XXXX				XXXX		XXXXXX
ADJUSTED MS/SEC	XXX	XXXXXX	XXXXXX			XXXXXX	XXXXXX				

* 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 or Part F.

** 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: Delaware County School Authority	Project Name: Delaware County Technical High School - Aston	Grades: <u>9</u> - <u>12</u>
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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	XXXXXX	XXXXXX			XXXXXX	XXXXXX				
ADJUSTED MS/SEC	XXX	XXXXXX	XXXXXX			XXXXXX	XXXXXX				
NATATORIUM *		XXXXXX	XXXXXX			XXXXXX	XXXXXX				
NATATORIUM LOCKER ROOM, DRYING & SHOWER RM - BOYS	XXX XXX	XXXXXX XXXXXX	XXXXXX XXXXXX		XXXXXX	XXXXXX XXXXXX	XXXXXX XXXXXX		XXXXXX		XXXXXX XXXXXX
NATATORIUM LOCKER ROOM, DRYING & SHOWER RM - GIRLS	XXX XXX	XXXXXX XXXXXX	XXXXXX XXXXXX		XXXXXX	XXXXXX XXXXXX	XXXXXX XXXXXX		XXXXXX		XXXXXX XXXXXX
DIST ADMIN OFFICE	XXX	XXXXXX	XXXXXX			XXXXXX	XXXXXX				
VOCATIONAL	XXX	XXXXXX	XXXXXX	62,059	373	XXXXXX	XXXXXX	20,147	72	82,206	445
PRJT BUILDING TOTAL	XXX	XXXXXX	XXXXXX	62,059	XXXXXX	XXXXXX	XXXXXX	20,147	XXXXXX	82,206	XXXXXX

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

PLANNED ARCHITECTURAL AREA FOR TOTAL BUILDING

For the purpose of determining square footage for a construction project in applying for a referendum exception under Special Session Act 1 of 2006, Section 333 (f)(2)(iii)(C), academic secondary square footage includes secondary and vocational architectural area. For academic buildings housing both elementary and secondary grades, assign architectural area for the entire academic building based on the room schedule(s) completed for this project.

If a room schedule includes spaces for both elementary and secondary, then the architectural area must be prorated based on the number of elementary and secondary grades. For example, for a middle school housing sixth, seventh and eighth grades, one-third of the architectural area for the entire academic building would be reported as elementary and two-thirds as secondary. For a K-12 building with elementary (K-5) and middle/secondary (6-12) room schedules completed, the architectural area for all of the spaces on the elementary room schedule **plus** the prorated architectural area for sixth grade included on the middle/secondary room schedule would be reported as elementary.

If there any questions, contact the Division of School Facilities for further direction.

PLANNED ARCHITECTURAL AREA (NEW PLUS EXISTING)

ELEMENTARY		_____ sq. ft.
SECONDARY (INCLUDING VOCATIONAL)		108,096 sq. ft.
NATATORIUM		_____ sq. ft.
DISTRICT ADMINISTRATION OFFICE		_____ sq. ft.
DAY CARE/PRE-SCHOOL (NONACADEMIC)		_____ sq. ft.
NON-DISTRICT USE (HEALTH CLINIC, PUBLIC LIBRARY, ETC.)		_____ sq. ft.
PROJECT BUILDING TOTAL (MUST EQUAL F13, LINE E-3)		108,096 sq. ft.

COMPARATIVE DESIGN ANALYSIS

District/CTC: Delaware County School Authority	Project Name: Delaware County Technical High School - Aston	Grades: <u>9</u> - <u>12</u>
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SCHEDULED AREA

A. Planned Scheduled Area - Total	_____	+	_____	=	_____	sq. ft.
	<small>(F12, ADJ ELEM)</small>		<small>(F12, ADJ MS/SEC)</small>			
B. Recommended Scheduled Area						
1. Adjusted FTE - Total	_____		_____			
	<small>(F12, ADJ ELEM)</small>		<small>(F12, ADJ MS/SEC)</small>			
2. Recommended Square Feet per student	58		78			
3. Recommended Scheduled Area (B-1 times B-2)	_____	+	_____	=	_____	sq. ft.
C. Difference between Planned and Recommended Scheduled Areas (A minus B-3)					_____	sq. ft.
D. Difference as a Percent of Recommended Scheduled Area (C divided by B-3 times 100)					_____	%
					<small>(CARRY TO 2 DEC PL)</small>	

If Line D is greater than minus 10%, refer to instructions for the Comparative Design Analysis Adjustment calculation on F14 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 (F03, Line F)
- _____ OTHER (DESCRIBE): _____

ARCHITECTURAL TO SCHEDULED AREA

E. Planned Architectural Area for Total Building						
1. Existing	76,226	sq. ft.				THIS PROJECT MUST COMPLY WITH ACT 34 OF 1973
2. New/Addition	31,870	sq. ft.				
3. Total				108,096	sq. ft.	
F. Planned Scheduled Area for Total Building					82,206	sq. ft.
					<small>(F12, PRJT BLDG TOT)</small>	
G. Planned Architectural Area divided by Planned Scheduled Area (E-3 divided by F)					1.315	%
					<small>(CARRY TO 3 DEC PL)</small>	

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:

- _____ LARGER THAN NORMAL LOBBIES AND ENTRANCE AREAS
- _____ LARGER THAN NORMAL STORAGE AREAS
- _____ OTHER (DESCRIBE): _____
- _____ SINGLE-LOADED COORIDORS
- _____ LARGER THAN NORMAL STAIRWAYS

FULL TIME EQUIVALENTS CONVERTED TO RATED PUPIL CAPACITY

District/AVTS:	Project Name:	Grades: _____ - _____
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**COMPARATIVE DESIGN ANALYSIS ADJUSTMENT -
ONLY COMPLETE THIS SECTION IF F13, LINE D IS LESS THAN -10%**

I. DIFFERENCE AS PERCENT OF RECOMMENDED SCHEDULED AREA (only enter F13, line D if value is less than -10%)	_____
II. MINIMUM VARIANCE (F13)	-10.00%
III. DIFFERENCE	_____

ELEMENTARY

	EXISTING		NEW		TOTAL
A. ADJUSTED ELEMENTARY FTE (F12, ADJ ELEM)	_____		_____		
B. MIDDLE/SECONDARY SCHOOL ELEMENTARY FTE (Use this section for schools with both elementary and secondary grades on the Middle/Secondary Room Schedule)					
1. Number of Elementary Grades (K-6) on the Middle/Secondary Room Schedule (Pages F06-F08)	_____				
2. Total Number of Grades (K-12) on the Middle/Secondary Room Schedule (Pages F06-F08)	_____				
3. Elementary Grades Divided By Total Number of Grades (B-1 divided by B-2) (ROUND TO 4 DEC PL)					
4. Adjusted MS/SEC FTE (F12, ADJ MS/SEC)	_____	+	_____		
5. MS Elementary FTE (B-3 times B-4; round to whole number)	_____		_____		
C-1. Total Elementary FTE (A plus B-5)	_____	+	_____	=	_____
2. Elementary FTE Reduction (if III < 0%, III times C-1; else 0)	_____		_____		_____
3. Total Elementary FTE based on Comparative Design Analysis	_____	+	_____	=	_____ (FTE)
4. Rated Pupil Capacity Factor					_____
5. Elementary Rated Pupil Capacity (C-3 times C-4)					_____ (RPC)

SECONDARY

D. ADJUSTED MIDDLE/SECONDARY FTE (F12, ADJ MS/SEC)	_____		_____		
E. LESS: MS Elementary FTE (B-5)	_____		_____		
F-1. TOTAL MIDDLE/SECONDARY FTE (D minus E)	_____	+	_____	=	_____
2. Middle/Secondary FTE Reduction (if III < 0%, III times F-1; else 0)	_____		_____		_____
3. Total Middle/Secondary FTE based on Comparative Design Analysis	_____	+	_____	=	_____ (FTE)
4. Rated Pupil Capacity Factor					_____
5. Middle/Secondary Rated Pupil Capacity (F-3 times F-4)					_____ (RPC)
G-1. NATATORIUM FTE (F12, NAT)	_____	+	_____	=	_____
2. Natatorium Rated Pupil Capacity (G-1 times 1.11)					_____ (RPC)
H-1. CENTRAL DISTRICT ADMIN OFFICE FTE (F12, DAO)	_____	+	_____	=	_____
2. DAO Rated Pupil Capacity (H-1 times 1.11)					_____ (RPC)
I. TOTAL SECONDARY (F-5 plus G-2 and H-2)	_____ (FTE)		_____ (FTE)		_____ (RPC)

VOCATIONAL

J. VOCATIONAL	445 (F10, VOC FTE)	X	1.1100 (RPC FACTOR)	=	494 (RPC)
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PROJECT INFORMATION

District/CTC: Delaware County School Authority Project Name: Delaware County Technical High School - Aston Project #: 3781

HEATING, VENTILATING AND AIR CONDITIONING

HEATING: Hot Water Steam Air Radiant

Other:

Energy Source - Oil Gas Electric Geothermal

Other:

VENTILATING: Mechanical - Describe the system and indicate its location:

Natural - Describe:

Energy Source - Oil Gas Electric Geothermal

Other:

AIR CONDITIONING: Entire Project Building

Limited Areas of the Project Building - Describe:

Energy Source - Oil Gas Electric Geothermal

Other:

PLUMBING

WATER SYSTEM:

Connection to Public System On-Site Water System Permit Expiration Date: (MM-YYYY)

SANITARY SEWAGE SYSTEM:

Connection to Public System On-Site System Permit Expiration Date: (MM-YYYY)

GAS SYSTEM: Propane Gas OTHER:

ELECTRICAL

SERVICE & UTILITY (Volts, Phase, Wire):

Service Size: Overhead Underground

Utility Company: Primary Customer Secondary Customer

Transformer Owner: Special Transformers:

GENERAL INFORMATION

Is there an adopted municipal comprehensive land use plan, as per the Pennsylvania Municipalities Planning Code? Yes X No

Is there an adopted county comprehensive land use plan? Yes X No

Is there an adopted multi-municipal or multi-county comprehensive land use plan? Yes X No

Is there an adopted county or municipal zoning ordinance or a joint municipal zoning ordinance? Yes No X

Is the proposed project consistent with these comprehensive plans and/or zoning ordinances? Yes X No

CONSTRUCTION SPECIFICATION REQUIREMENTS

District/CTC: Delaware County School Authority Project #: 3781
 Project Building Name: Delaware County Technical High School - Aston

The following page numbers refer to the construction specifications for:

X The Entire Project Phase

Asbestos Abatement X Other Advertisement is specific to GC

NOTE: A separate Page F17 must be submitted for each set of construction specifications identified above.

PAGE # IN SPEC	SPECIFICATION (Refer to the Specification Requirements in the Part F instructions, Attachment B. NOTE: Specification clauses do not need to be verbatim.)
00 11 13	Proposed Advertisement - Request for Sealed Bids, Bid Opening Date Specified
00 21 13	Instruction to Bidders
01 10 00 - 3	Completion Date or Number of Calendar Days from Notice to Proceed
00 43 13	Bid Security (recommended but not required)
A210, Article 11	Contractor's Insurance (recommended but not required)
01 10 00 01 12 00	Separate Prime Contracts for General, HVAC, Electrical, Plumbing & Asbestos (applicable if total project costs exceed \$10,000)
00 41 16	Bid Proposal Form(s)
01 10 00 Art 1.11	Labor and Material Bond and Performance Bond @ 100% of the Contract
01 10 00 Article 1.11	No Cash Allowance Provision
01 10 00 Article 1.11	Prevailing Wage Requirement Clause (estimated costs greater than \$25,000)
01 10 00 Attachment	Labor & Industry Prevailing Wage Scales (estimated costs greater than \$25,000)
N/A	Competent Workmen Clause (estimated costs equal to or less than \$25,000)
01 10 00 Article 1.11	Discrimination Prohibited Clause (62 Pa.C.S.A. § 3701)
01 10 00 Article 1.11	Human Relations Reference (Act 222 of 1955 as amended)
01 10 00 Article 1.11	Standard of Quality Clause
01 10 00 Article 1.11	Domestic Steel and Cast Iron Products (Act 3 of 1978 as amended)
04 43 25 Attachment	PlanCon Page G08, Prime Contractor Certification (with top section completed)
01 23 00	Alternate bid(s)
N/A	Combined bid(s)

PREPARATION AND REVIEW OF CONSTRUCTION DOCUMENTS

PREPARED AND REVIEWED BY:	Architect <u> X </u>	Engineer <u> </u>	Other Professional (specify) <u> </u>
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Signature, Professional: <i>Maryann Marotta</i>	Professional's Name, Printed or Typed: Maryann Marotta, Principal Architect
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Firm Name, Address & Telephone No.: MM architects, inc. dba Marotta/Main Architects 717.393.3211	Date: 24 April, 2017
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PDE USE ONLY	WORKING DRAWINGS - GENERAL REQUIREMENTS
<u> X </u>	Seal of Professional Architect or Engineer on Drawings
<u> X </u>	Outswinging doors (May 1, 1925 or later)

ROUGH GRADING TO RECEIVE THE BUILDING

District/CTC: Delaware County School Authority	Project Name: Delaware County Technical High School - Aston	Project #: 3781
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Briefly describe the proposed work needed for rough grading to receive the building, defined as the earth excavation and compacted fill needed to prepare a rough plain that will permit contractors to stake out the building to an elevation of one foot below the finished floor and to a line ten feet beyond the exterior of the proposed building or sizeable addition(s).

In order for this office to replicate all quantities, submit calculations, diagrams and sections identifying the cut/fill line, finish floor elevations, topographic elevations and the building footprint.

Reimbursement may be requested for earth excavation and compacted fill necessary to prepare the rough plane defined above; stripping of a maximum of six inches of topsoil will also be considered for reimbursement.

The following work is not eligible for reimbursement: (1.) minimal grading for additions where the present grade is relatively near the floor elevation; (2.) excessive cut and fill where other design or structural considerations should have been made; (3.) special grading for stages, auditoriums, swimming pools, boiler rooms, and crawl spaces; (4.) excavation of unsuitable materials and fill; (5.) rock excavation or boulder removal; (6.) trucking costs for additional fill; (7.) clearing of natural growth; (8.) stabilization of mine areas; (9.) demolition of buildings and roads, etc.; (10.) construction in courtyards and crawl spaces; and (11.) where the total volume of earth movement is less than 500 cubic yards.

The quantities provided below are based on the following work:

1. Stripping topsoil at the limit of disturbance associated with the building pad grading as defined above. Area includes 10' outside the building line of the proposed additions and a 2:1 graded area from this offset line to existing grade.
2. Cuts and compacted fills to bring the building pad area including the 10' building offset up to the elevations defined above. Cut and compacted fill quantities include a 1:1 graded area from the 10' building offset line to existing grade.

MAXIMUM REIMBURSABLE COSTS

A. AREA BASED ON THE NEW BUILDING/ADDITION FOOTPRINT + 10' BEYOND =	<u>27,000</u> Sq. Ft.
B. MAXIMUM ALLOWABLE COSTS	
1. STRIP TOP SOIL	<u>1,100</u> cu. yds. X \$9.00 /cu.yd. = \$ <u>9,900</u>
2. CUT	<u>400</u> cu. yds. X \$9.00 /cu.yd. = \$ <u>3,600</u>
3. COMPACTED FILL	<u>830</u> cu. yds. X \$17.00 /cu.yd. = \$ <u>14,110</u>
4. MAXIMUM ALLOWABLE COSTS (B-1 plus B-2 and B-3)	\$ <u>27,610</u>

SANITARY SEWAGE DISPOSAL

District/CTC: Delaware County School Authority	Project Name: Delaware County Technical High School - Aston	Project #: 3781
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Briefly describe the work involved in providing the project building with sanitary sewage disposal, defined as a sewage treatment plant or system required by the Pennsylvania Department of Environmental Protection (DEP), or an extension of the sanitary sewer lines from 5 feet outside the project building to connect to a DEP-approved municipal sewage system.

Reimbursement may be requested for: (1.) a sewage system or plant or the waste line extension from the building to connect to a local sewer authority to serve a new school building; or (2.) the modification or replacement of an existing system or plant or on-site line extension, as required by the Pennsylvania Department of Environmental Protection. Only the district's prorated share of the costs to extend a sewer line or to construct a new treatment plant should be requested for reimbursement.

The following is not eligible for reimbursement: (1.) rock excavation; (2.) interior waste disposal lines or excessive exterior lines; (3.) grease, chemical or oil receptors; and (4.) system, plant or line costs for capacity charges beyond this project building's requirements, such as additional capacity for other school buildings or future community capacity needs (costs to be shared by the school district and other current or future property owners are to be prorated).

Provide actual documentation, including the cost in dollars, from the sewer authority to support any claims for tap-in fees or reserve capacity charges.

The proposed additions will be connected to public sewer by the construction of new sanitary sewer laterals from the proposed additions which are to connect to the existing 8" diameter D. I. sanitary service line currently servicing the building. A new sanitary manhole will be installed at the point where new and existing lines come together.

**COMPLETE THIS SECTION ONLY IF REQUESTING AN EXCEPTION
TO THE MAXIMUM ALLOWANCE FOR SANITARY SEWAGE DISPOSAL**

The maximum allowance for sanitary sewage disposal is limited to the project building's FTE-New unless an exception to use the New and Existing FTE is requested and approved in writing.
Provide a justification if requesting an exception.

MAXIMUM REIMBURSABLE COSTS

A. REQUIREMENTS FOR SANITARY SEWAGE DISPOSAL		PROVIDE
CHARGES FOR TAP-IN TO MUNICIPAL SEWER AUTHORITY	YES <u> X </u> NO <u> </u>	SEWER
RESERVE CAPACITY CHARGES REQUIRED BY LOCAL SEWER AUTHORITY	YES <u> </u> NO <u> X </u>	AUTHORITY
ON-SITE SEWER LINE EXTENSION		LETTER
LINEAL FEET - <u> 416 </u> / NUMBER OF MANHOLES - <u> 1 </u>		
OFF-SITE SEWER LINE EXTENSION		
LINEAL FEET - <u> None </u> / NUMBER OF MANHOLES - <u> None </u>		
OTHER: <u> N/A </u>		
B. MAXIMUM ALLOWABLE COSTS	EXCEPTION REQUESTED: YES <u> X </u> NO <u> </u>	CHECK YES OR NO
1. BUILDING FTE - NEW (F12, Adjusted Elem, Adjusted MS/Sec, Natatorium, Dist Admin Office, or Vocational FTE-NEW unless an exception to use the total FTE is granted)		<u> 445 </u>
2. REIMBURSEMENT FACTOR		\$ <u> 400 </u>
3. MAXIMUM ALLOWABLE COSTS (line B-1 times B-2)		\$ <u> 178,000 </u>

CERTIFICATION IN LIEU OF AGENCY APPROVALS, PERMITS & SERVICE AVAILABILITY LETTERS

District/CTC: Delaware County School Authority	Project Name: Delaware County Technical High School - Aston	Project #: 3781
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The following certification is submitted in lieu of documentation of agency approvals, permits and service availability letters except for those from the local and county planning commissions, copies of which must still be submitted. The architect of record completing this certification must be a registered architect in Pennsylvania. The district must maintain the applicable records for audit purposes.

Certificate of Architect of Record:

I certify that I have apprised the board to the best of my knowledge and belief as to applicable reviews and approvals that must be obtained from federal, state and local government agencies, prior to entering into construction contracts.

Maryann Marotta

Signature of PA Registered Architect

Maryann Marotta | Principal Architect

PA Registered Architect's Name, Printed or Typed

MM architects, inc. dba Marotta/Main Architects | 214 N. Duke Street | Lancaster, PA 17602

Architectural Firm's Name and Address

24 April, 2017

Date

Board Resolution:

To the best of its knowledge and belief, the board of school directors certifies to the following:

1. The board will not enter into construction contracts until it has received written approval for PlanCon Part F, Construction Documents, from the Department of Education.
2. The board of school directors has obtained, or will obtain, all necessary approvals from local, regional, and state agencies relating to health, safety, design, planning highway access, and freedom from flooding and subsidence, prior to entering into construction contracts.
3. The board acknowledges that failure to obtain the requisite approvals prior to entering into construction contracts may be sufficient cause for the Department of Education to revoke its approval for this project. If approval is revoked, the project will not be reimbursed by the Commonwealth.

Board Action Date: _____

Voting: AYE _____ NAY _____ ABSTENTIONS _____ ABSENT _____

Signature, Board Secretary

Board Secretary's Name, Printed

Date