

APPENDIX B

COST ESTIMATE FURNITURE FIXTURES & EQUIPMENT

APPX. B - C

**NORTHEAST METROPOLITAN REGIONAL VOCATIONAL TECHNICAL HIGH SCHOOL
WAKEFIELD, MASSACHUSETTS**

1250 Population

PRELIMINARY FURNITURE & EQUIPMENT ESTIMATE - June 28, 2020

Page 1 of 2

I. FIXED EQUIPMENT-GENERAL CONTRACT \$3,644,000.00

Food Service Equipment		\$825,000.00
Fixed Casework & Equipment		\$1,225,000.00
Basketball Backstops		\$27,000.00
Stage Curtains and Rigging - Powered rigging		\$650,000.00
Divider Curtains		\$32,000.00
Gym Wall Padding		\$25,000.00
Telescoping Bleachers		\$200,000.00
Automotive Refinishing - Booths/Frame Machine		\$325,000.00
Automotive Tech - Lifts		\$160,000.00
HVAC/Plumbing - Boilers/Furnaces/Split Systems		\$65,000.00
Cosmetology - Wet Stations/Manicure/Styling		\$110,000.00

II. MOVABLE FURNITURE & EQUIPMENT \$1,559,000.00

Miscellaneous Furniture & Equipment		\$709,000.00
Office Furniture & Equipment		\$600,000.00
Library Furniture & Equipment		\$110,000.00
Metal Storage Shelving		\$50,000.00
Cafeteria Furniture		\$90,000.00

III. EQUIPMENT \$691,000.00

Custodial & Grounds Equipment		\$210,000.00
Gymnasium Equipment		\$145,000.00
Health Equipment		\$15,000.00
Miscellaneous Teaching Aids/Equipment		\$65,000.00
Music Department Equipment		\$55,000.00
Art Department Equipment		\$30,000.00
Science Department Equipment		\$115,000.00
Kitchen Smallwares		\$56,000.00

II and III Total:	\$2,250,000.00
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Note: Parts II and III are based on 1600 students at \$1800 per student

**NORTHEAST METROPOLITAN REGIONAL VOCATIONAL TECHNICAL HIGH SCHOOL
WAKEFIELD, MASSACHUSETTS**

PRELIMINARY FURNITURE & EQUIPMENT ESTIMATE - June 28, 2020

Page 2 of 2

IV. VOCATIONAL & TECHNOLOGY \$2,458,000.00

Automotive Refinishing		\$150,000.00
(Note: Spray Booth/Lifts shall be carried in G.C.)		
Automotive Technology		\$100,000.00
(Note: Lifts will be carried in G.C.)		
Health Assistant		\$75,000.00
(Cabinetry covered under 116000)		
Medical Assistant		\$85,000.00
(Cabinetry covered under 116000)		
BioTech		\$60,000.00
Carpentry (does not include dust collector)		\$75,000.00
Culinary Arts (Under G.C.)		See Food Service
(Covered under Food Service number)		
Graphic Communication (includes desks/chairs)		\$75,000.00
Cosmetology		\$85,000.00
(Note: Wet and Fixed Stations will move to G.C.)		
Metal Fabrication		\$210,000.00
Electrical		\$45,000.00
Plumbing (Furnaces/Splits/boilers carried under G.C.)		\$93,000.00
Dental, includes 20 chairs, 4 pano rooms		\$1,000,000.00
HVAC (Furnaces/Splits/boilers carried under G.C.)		\$85,000.00
Early Education		\$25,000.00
Design/Visual Communications (Includes tables & chairs)		\$75,000.00
Robotics/Automation		\$100,000.00
Drafting & Design (includes tables and chairs)		\$55,000.00
Business Tech		\$20,000.00
Marketing		\$45,000.00

GRAND TOTAL		\$8,352,000.00
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Tavares Design Associates, Inc.

Equipment Consultants • Facilities Planners

October 30, 2020

Drummeys Roasne Anderson, Architects
235 Bear Hill Road
Waltham, Massachusetts, 02451

Attention: Mr. Vladimir Lyubetsky

Project: Northeast Metropolitan Regional Vocational Technical High School
Wakefield, Massachusetts

Subject: General Contract and Furniture and Equipment Estimate

Dear Mr. Lyubetsky,

As per your request, we have prepared the attached Preliminary Budget Estimate for the subject project as related to our scope of work. We have attached five different estimates. These would be applicable for both a renovation and a new building. They are based on the following student populations.

1250 Students

1400 Students

1600 Students

1650 Students

1722 Students

We feel that this estimate based on \$1800.00 per student for the category II and III is a reasonable cost to equip the building with mostly new furniture and equipment while reusing existing to supplement. We would expect equipment which is in good shape to be reused. For the Vocational equipment, the estimate is based on the department meetings. These estimates may change based on further discussions and planning.

In summary, at your direction we will work with you and the Owner to develop the final selections for the Fixed categories and furnishings and equipment. If there are any questions regarding the enclosed, please do not hesitate to contact this office.

Sincerely,

Tavares Design Associates, Inc.

Robert T. Fogarty

**NORTHEAST METROPOLITAN REGIONAL VOCATIONAL TECHNICAL HIGH SCHOOL
WAKEFIELD, MASSACHUSETTS**

1400 Population

PRELIMINARY FURNITURE & EQUIPMENT ESTIMATE - June 28, 2020

Page 1 of 2

I. FIXED EQUIPMENT-GENERAL CONTRACT **\$3,659,000.00**

Food Service Equipment		\$825,000.00
Fixed Casework & Equipment		\$1,225,000.00
Basketball Backstops		\$27,000.00
Stage Curtains and Rigging - Powered rigging		\$650,000.00
Divider Curtains		\$32,000.00
Gym Wall Padding		\$25,000.00
Telescoping Bleachers		\$215,000.00
Automotive Refinishing - Booths/Frame Machine		\$325,000.00
Automotive Tech - Lifts		\$160,000.00
HVAC/Plumbing - Boilers/Furnaces/Split Systems		\$65,000.00
Cosmetology - Wet Stations/Manicure/Styling		\$110,000.00

II. MOVABLE FURNITURE & EQUIPMENT **\$1,754,000.00**

Miscellaneous Furniture & Equipment		\$819,000.00
Office Furniture & Equipment		\$650,000.00
Library Furniture & Equipment		\$125,000.00
Metal Storage Shelving		\$60,000.00
Cafeteria Furniture		\$100,000.00

III. EQUIPMENT **\$766,000.00**

Custodial & Grounds Equipment		\$210,000.00
Gymnasium Equipment		\$175,000.00
Health Equipment		\$15,000.00
Miscellaneous Teaching Aids/Equipment		\$65,000.00
Music Department Equipment		\$65,000.00
Art Department Equipment		\$35,000.00
Science Department Equipment		\$145,000.00
Kitchen Smallwares		\$56,000.00

II and III Total:	\$2,520,000.00
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Note: Parts II and III are based on 1600 students at \$1800 per student

**NORTHEAST METROPOLITAN REGIONAL VOCATIONAL TECHNICAL HIGH SCHOOL
WAKEFIELD, MASSACHUSETTS**

PRELIMINARY FURNITURE & EQUIPMENT ESTIMATE - June 28, 2020

Page 2 of 2

IV. VOCATIONAL & TECHNOLOGY \$2,458,000.00

Automotive Refinishing		\$150,000.00
(Note: Spray Booth/Lifts shall be carried in G.C.)		
Automotive Technology		\$100,000.00
(Note: Lifts will be carried in G.C.)		
Health Assistant		\$75,000.00
(Cabinetry covered under 116000)		
Medical Assistant		\$85,000.00
(Cabinetry covered under 116000)		
BioTech		\$60,000.00
Carpentry (does not include dust collector)		\$75,000.00
Culinary Arts (Under G.C.)		See Food Service
(Covered under Food Service number)		
Graphic Communication (includes desks/chairs)		\$75,000.00
Cosmetology		\$85,000.00
(Note: Wet and Fixed Stations will move to G.C.)		
Metal Fabrication		\$210,000.00
Electrical		\$45,000.00
Plumbing (Furnaces/Splits/boilers carried under G.C.)		\$93,000.00
Dental, includes 20 chairs, 4 pano rooms		\$1,000,000.00
HVAC (Furnaces/Splits/boilers carried under G.C.)		\$85,000.00
Early Education		\$25,000.00
Design/Visual Communications (Includes tables & chairs)		\$75,000.00
Robotics/Automation		\$100,000.00
Drafting & Design (includes tables and chairs)		\$55,000.00
Business Tech		\$20,000.00
Marketing		\$45,000.00

GRAND TOTAL		\$8,637,000.00
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Tavares Design Associates, Inc.

Equipment Consultants • Facilities Planners

October 30, 2020

Drummeys Roasne Anderson, Architects
235 Bear Hill Road
Waltham, Massachusetts, 02451

Attention: Mr. Vladimir Lyubetsky

Project: Northeast Metropolitan Regional Vocational Technical High School
Wakefield, Massachusetts

Subject: General Contract and Furniture and Equipment Estimate

Dear Mr. Lyubetsky,

As per your request, we have prepared the attached Preliminary Budget Estimate for the subject project as related to our scope of work. We have attached five different estimates. These would be applicable for both a renovation and a new building. They are based on the following student populations.

1250 Students

1400 Students

1600 Students

1650 Students

1722 Students

We feel that this estimate based on \$1800.00 per student for the category II and III is a reasonable cost to equip the building with mostly new furniture and equipment while reusing existing to supplement. We would expect equipment which is in good shape to be reused. For the Vocational equipment, the estimate is based on the department meetings. These estimates may change based on further discussions and planning.

In summary, at your direction we will work with you and the Owner to develop the final selections for the Fixed categories and furnishings and equipment. If there are any questions regarding the enclosed, please do not hesitate to contact this office.

Sincerely,

Tavares Design Associates, Inc.

Robert T. Fogarty

**NORTHEAST METROPOLITAN REGIONAL VOCATIONAL TECHNICAL HIGH SCHOOL
WAKEFIELD, MASSACHUSETTS**

1600 Population

PRELIMINARY FURNITURE & EQUIPMENT ESTIMATE - June 28, 2020

Page 1 of 2

I. FIXED EQUIPMENT-GENERAL CONTRACT \$3,659,000.00

Food Service Equipment		\$825,000.00
Fixed Casework & Equipment		\$1,225,000.00
Basketball Backstops		\$27,000.00
Stage Curtains and Rigging - Powered rigging		\$650,000.00
Divider Curtains		\$32,000.00
Gym Wall Padding		\$25,000.00
Telescoping Bleachers		\$215,000.00
Automotive Refinishing - Booths/Frame Machine		\$325,000.00
Automotive Tech - Lifts		\$160,000.00
HVAC/Plumbing - Boilers/Furnaces/Split Systems		\$65,000.00
Cosmetology - Wet Stations/Manicure/Styling		\$110,000.00

II. MOVABLE FURNITURE & EQUIPMENT \$1,994,000.00

Miscellaneous Furniture & Equipment		\$925,000.00
Office Furniture & Equipment		\$750,000.00
Library Furniture & Equipment		\$145,000.00
Metal Storage Shelving		\$64,000.00
Cafeteria Furniture		\$110,000.00

III. EQUIPMENT \$886,000.00

Custodial & Grounds Equipment		\$250,000.00
Gymnasium Equipment		\$175,000.00
Health Equipment		\$15,000.00
Miscellaneous Teaching Aids/Equipment		\$65,000.00
Music Department Equipment		\$85,000.00
Art Department Equipment		\$35,000.00
Science Department Equipment		\$195,000.00
Kitchen Smallwares		\$66,000.00

II and III Total:	\$2,880,000.00
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Note: Parts II and III are based on 1600 students at \$1800 per student

**NORTHEAST METROPOLITAN REGIONAL VOCATIONAL TECHNICAL HIGH SCHOOL
WAKEFIELD, MASSACHUSETTS**

PRELIMINARY FURNITURE & EQUIPMENT ESTIMATE - June 28, 2020

Page 2 of 2

IV. VOCATIONAL & TECHNOLOGY \$2,458,000.00

Automotive Refinishing		\$150,000.00
(Note: Spray Booth/Lifts shall be carried in G.C.)		
Automotive Technology		\$100,000.00
(Note: Lifts will be carried in G.C.)		
Health Assistant		\$75,000.00
(Cabinetry covered under 116000)		
Medical Assistant		\$85,000.00
(Cabinetry covered under 116000)		
BioTech		\$60,000.00
Carpentry (does not include dust collector)		\$75,000.00
Culinary Arts (Under G.C.)		See Food Service
(Covered under Food Service number)		
Graphic Communication (includes desks/chairs)		\$75,000.00
Cosmetology		\$85,000.00
(Note: Wet and Fixed Stations will move to G.C.)		
Metal Fabrication		\$210,000.00
Electrical		\$45,000.00
Plumbing (Furnaces/Splits/boilers carried under G.C.)		\$93,000.00
Dental, includes 20 chairs, 4 pano rooms		\$1,000,000.00
HVAC (Furnaces/Splits/boilers carried under G.C.)		\$85,000.00
Early Education		\$25,000.00
Design/Visual Communications (Includes tables & chairs)		\$75,000.00
Robotics/Automation		\$100,000.00
Drafting & Design (includes tables and chairs)		\$55,000.00
Business Tech		\$20,000.00
Marketing		\$45,000.00

GRAND TOTAL		\$8,997,000.00
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Tavares Design Associates, Inc.

Equipment Consultants • Facilities Planners

October 30, 2020

Drummeys Roasne Anderson, Architects
235 Bear Hill Road
Waltham, Massachusetts, 02451

Attention: Mr. Vladimir Lyubetsky

Project: Northeast Metropolitan Regional Vocational Technical High School
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Subject: General Contract and Furniture and Equipment Estimate

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1250 Students

1400 Students

1600 Students

1650 Students

1722 Students

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Sincerely,

Tavares Design Associates, Inc.

Robert T. Fogarty

**NORTHEAST METROPOLITAN REGIONAL VOCATIONAL TECHNICAL HIGH SCHOOL
WAKEFIELD, MASSACHUSETTS**

1660 Population

PRELIMINARY FURNITURE & EQUIPMENT ESTIMATE - June 28, 2020

Page 1 of 2

I. FIXED EQUIPMENT-GENERAL CONTRACT **\$3,659,000.00**

Food Service Equipment		\$825,000.00
Fixed Casework & Equipment		\$1,225,000.00
Basketball Backstops		\$27,000.00
Stage Curtains and Rigging - Powered rigging		\$650,000.00
Divider Curtains		\$32,000.00
Gym Wall Padding		\$25,000.00
Telescoping Bleachers		\$215,000.00
Automotive Refinishing - Booths/Frame Machine		\$325,000.00
Automotive Tech - Lifts		\$160,000.00
HVAC/Plumbing - Boilers/Furnaces/Split Systems		\$65,000.00
Cosmetology - Wet Stations/Manicure/Styling		\$110,000.00

II. MOVABLE FURNITURE & EQUIPMENT **\$2,094,000.00**

Miscellaneous Furniture & Equipment		\$935,000.00
Office Furniture & Equipment		\$840,000.00
Library Furniture & Equipment		\$145,000.00
Metal Storage Shelving		\$64,000.00
Cafeteria Furniture		\$110,000.00

III. EQUIPMENT **\$894,000.00**

Custodial & Grounds Equipment		\$250,000.00
Gymnasium Equipment		\$175,000.00
Health Equipment		\$15,000.00
Miscellaneous Teaching Aids/Equipment		\$65,000.00
Music Department Equipment		\$85,000.00
Art Department Equipment		\$35,000.00
Science Department Equipment		\$203,000.00
Kitchen Smallwares		\$66,000.00

II and III Total:	\$2,988,000.00
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Note: Parts II and III are based on 1600 students at \$1800 per student

**NORTHEAST METROPOLITAN REGIONAL VOCATIONAL TECHNICAL HIGH SCHOOL
WAKEFIELD, MASSACHUSETTS**

PRELIMINARY FURNITURE & EQUIPMENT ESTIMATE - June 28, 2020

Page 2 of 2

IV. VOCATIONAL & TECHNOLOGY \$2,458,000.00

Automotive Refinishing		\$150,000.00
(Note: Spray Booth/Lifts shall be carried in G.C.)		
Automotive Technology		\$100,000.00
(Note: Lifts will be carried in G.C.)		
Health Assistant		\$75,000.00
(Cabinetry covered under 116000)		
Medical Assistant		\$85,000.00
(Cabinetry covered under 116000)		
BioTech		\$60,000.00
Carpentry (does not include dust collector)		\$75,000.00
Culinary Arts (Under G.C.)		See Food Service
(Covered under Food Service number)		
Graphic Communication (includes desks/chairs)		\$75,000.00
Cosmetology		\$85,000.00
(Note: Wet and Fixed Stations will move to G.C.)		
Metal Fabrication		\$210,000.00
Electrical		\$45,000.00
Plumbing (Furnaces/Splits/boilers carried under G.C.)		\$93,000.00
Dental, includes 20 chairs, 4 pano rooms		\$1,000,000.00
HVAC (Furnaces/Splits/boilers carried under G.C.)		\$85,000.00
Early Education		\$25,000.00
Design/Visual Communications (Includes tables & chairs)		\$75,000.00
Robotics/Automation		\$100,000.00
Drafting & Design (includes tables and chairs)		\$55,000.00
Business Tech		\$20,000.00
Marketing		\$45,000.00

GRAND TOTAL		\$9,105,000.00
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Tavares Design Associates, Inc.

Equipment Consultants • Facilities Planners

October 30, 2020

Drummeys Roasne Anderson, Architects
235 Bear Hill Road
Waltham, Massachusetts, 02451

Attention: Mr. Vladimir Lyubetsky

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Wakefield, Massachusetts

Subject: General Contract and Furniture and Equipment Estimate

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1250 Students

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Sincerely,

Tavares Design Associates, Inc.

Robert T. Fogarty

**NORTHEAST METROPOLITAN REGIONAL VOCATIONAL TECHNICAL HIGH SCHOOL
WAKEFIELD, MASSACHUSETTS**

1722 Population

PRELIMINARY FURNITURE & EQUIPMENT ESTIMATE - June 28, 2020

Page 1 of 2

I. FIXED EQUIPMENT-GENERAL CONTRACT **\$3,659,000.00**

Food Service Equipment		\$825,000.00
Fixed Casework & Equipment		\$1,225,000.00
Basketball Backstops		\$27,000.00
Stage Curtains and Rigging - Powered rigging		\$650,000.00
Divider Curtains		\$32,000.00
Gym Wall Padding		\$25,000.00
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Automotive Refinishing - Booths/Frame Machine		\$325,000.00
Automotive Tech - Lifts		\$160,000.00
HVAC/Plumbing - Boilers/Furnaces/Split Systems		\$65,000.00
Cosmetology - Wet Stations/Manicure/Styling		\$110,000.00

II. MOVABLE FURNITURE & EQUIPMENT **\$2,204,000.00**

Miscellaneous Furniture & Equipment		\$1,025,000.00
Office Furniture & Equipment		\$850,000.00
Library Furniture & Equipment		\$155,000.00
Metal Storage Shelving		\$64,000.00
Cafeteria Furniture		\$110,000.00

III. EQUIPMENT **\$895,600.00**

Custodial & Grounds Equipment		\$250,000.00
Gymnasium Equipment		\$175,000.00
Health Equipment		\$15,000.00
Miscellaneous Teaching Aids/Equipment		\$68,000.00
Music Department Equipment		\$85,000.00
Art Department Equipment		\$35,000.00
Science Department Equipment		\$201,600.00
Kitchen Smallwares		\$66,000.00

II and III Total:	\$3,099,600.00
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Note: Parts II and III are based on 1600 students at \$1800 per student

**NORTHEAST METROPOLITAN REGIONAL VOCATIONAL TECHNICAL HIGH SCHOOL
WAKEFIELD, MASSACHUSETTS**

PRELIMINARY FURNITURE & EQUIPMENT ESTIMATE - June 28, 2020

Page 2 of 2

IV. VOCATIONAL & TECHNOLOGY \$2,458,000.00

Automotive Refinishing		\$150,000.00
(Note: Spray Booth/Lifts shall be carried in G.C.)		
Automotive Technology		\$100,000.00
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Health Assistant		\$75,000.00
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Medical Assistant		\$85,000.00
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BioTech		\$60,000.00
Carpentry (does not include dust collector)		\$75,000.00
Culinary Arts (Under G.C.)		See Food Service
(Covered under Food Service number)		
Graphic Communication (includes desks/chairs)		\$75,000.00
Cosmetology		\$85,000.00
(Note: Wet and Fixed Stations will move to G.C.)		
Metal Fabrication		\$210,000.00
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Dental, includes 20 chairs, 4 pano rooms		\$1,000,000.00
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Early Education		\$25,000.00
Design/Visual Communications (Includes tables & chairs)		\$75,000.00
Robotics/Automation		\$100,000.00
Drafting & Design (includes tables and chairs)		\$55,000.00
Business Tech		\$20,000.00
Marketing		\$45,000.00

GRAND TOTAL		\$9,216,600.00
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Tavares Design Associates, Inc.

Equipment Consultants • Facilities Planners

October 30, 2020

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