

GROTON BOARD OF EDUCATION
COMMITTEE OF THE WHOLE
MARCH 8, 2021 @ 6:00 P.M.
REMOTE MEETING

MEMBERS PRESENT: Kim Shepardson Watson-Chairperson, Andrea Ackerman-Vice Chairperson, Dean Antipas, Jane Giulini, Liz Porter, Rosemary Robertson, Rita Volkmann, Jay Weitlauf, Lee White

ALSO PRESENT: Susan Austin, Sam Kilpatrick, Ken Knight

I. CALL TO ORDER – Chairperson Kim Watson called the meeting to order at 6:01 p.m.

II. BOE REGULAR BUSINESS

MOTION: Robertson, Giulini: To approve the COW minutes of February 17, 2021.
PASSED -UNANIMOUSLY

III. ATHLETIC FIELDS TASK FORCE PRESENTATION– (ATTACHMENT #1)

Jerry Lokken, Chad Frost, and Frank Norosky, Athletic Fields Task Force members gave an overview of the Athletic Fields Task Force presentation. They noted the differences in fields between what Groton has and area Towns. The presentation noted what is needed to bring Groton up to date.

IV. UPDATE FROM LEDGE LIGHT HEALTH DISTRICT

Ms. Austin introduced Mr. Steve Mansfield, Ledge Light Health District, who addressed the safety protocols. Mr. Mansfield stated that Ledge Light covers 10 municipalities and noted:

- There has been 6 weeks of decline;
- There has been no deaths;
- We are at the beginning of the new model;
- There are 3 people responsible for contact tracing;
- There is a new curve ball regarding the easing of COVID restrictions;
- There are new restrictions on businesses, i.e. the number of people attending activities;
- Update from the Governor regarding new mandates relative to vaccinations;
- Yesterday over 1,000 teachers and staff were vaccinated;
- Chatham had vacancies for vaccination and offered them to Groton and other Towns;
- Ledge Light has partnered with Hartford Health Care.

V. PERKINS EASTMAN ARCHITECT PRESENTATION RE: NEW ELEMENTARY SCHOOLS
(ATTACHMENTS #2, 3, 4, 5)

Mr. Rick Norris noted that there will be tours of the two new elementary schools scheduled in April. Mr. Norris noted that the project is on track and moving forward. Mr. Joe Banks, Perkins Eastman Architect, shared slides of the two new elementary schools and of the actual constructions at each site.

Mr. Norris and Mr. Banks gave an overview of the Technology Plan for the two new elementary schools known as Cutler Elementary School and West Side Elementary School.

VI. DoD SUPPLEMENTAL IMPACT AID – (ATTACHMENT #6)

Ms. Austin gave an overview of the DoD Supplemental Impact Aid in lieu of the suggestion made by Mr. Weitlauf to use \$324,000 from the DoD Supplemental Impact Aid funds for software.

VII. REVIEW OF REFERRAL LIST

The Board reviewed the Referral List.

Mr. Weitlauf asked if the BOE/TC/RTM Liaison Committee had discussed the number of students coming from new construction around Town.

Mrs. Watson responded that she will report on this at the next regular Board of Education meeting.

IV. SUGGESTED FUTURE TOPICS

Mrs. Volkmann requested discussion of the reentry plan along with the survey results from parents at a COW meeting.

Mr. Weitlauf asked that Mr. Knight explain how out-of-town tuition rates are determined. Mrs. Watson referred this to the Finance/Facilities Committee before it comes to the COW.

V. ADJOURNMENT

MOTION: Ackerman, Volkmann: To adjourn at 8:14 p.m.
MOTION PASSED UNANIMOUSLY



Town of Groton Athletic Fields Task Force Board of Education Presentation

March 8, 2020



GROTON
PARKS & RECREATION

Athletic Fields Task Force:

- Concerned Citizens brought field concerns to the Town Council in 2019
- Town Council asked Park & Rec for a facilities update
- Town Council formed the Athletic Fields Task Force – Feb 2020
- **Task Force charge:** determine the number and types of fields Groton needs, what amenities those fields should have, & where they should be located
- **Task Force members:** Applicants applied & selected based on their association with various leagues, high school sports and activities, or elected officials. P&R ensured the Task Force had diverse representation to get the best possible overall perspective on the issues.



Athletic Fields Task Force:

Current Members

Portia Bordelon – Town Council
Bruce Flax – Representative Town Meeting
Rachael Franco- Town Councilor
Chad Frost – Groton Mystic Lacrosse
Larry Grundy – Vice Chairman, FHS Band Booster
Tara Hannaford – Shoreline Sport and Social
Danny Lee – FHS Boosters
Jerry Lokken – Groton Parks and Recreation
Lisa Luck – Representative Town Meeting
Frank Norosky – Chairman
Jim Southers – Groton Soccer Club
Vincent Varrecchione – FHS AD
Bruce Wagner – Groton Little League
Jay Weitlauf – Board of Education
Joe Zeppieri – Town Council

Past Members

Jeffrey Bresnahan – FHS Boosters
Marc Romano – Former FHS AD
Conrad Heede – Town Council (temp fill-in for Rachael Franco)
Jeff Kotecki – Groton Middle School AD
Ted Keleher – FHS Principal

Rich Kosta – FHS Coach *wasn't a formal member but attended nearly every meeting



Athletic Fields History in Groton:

2003 – Difficulty finding Sufficient, Suitable Space

2009: Comprehensive P&R Master Plan

- Level of Service (LOS) evaluation
- Identified the need for multiple fields

2009: Sutton Park Master Plan

2014: Athletic Fields Needs Assessment

- Identified greater need for fields
- Merritt Property Master Plan
- Economic Impact Study for Athletic Fields
- \$2-\$5 Million Annually in new Economic Input

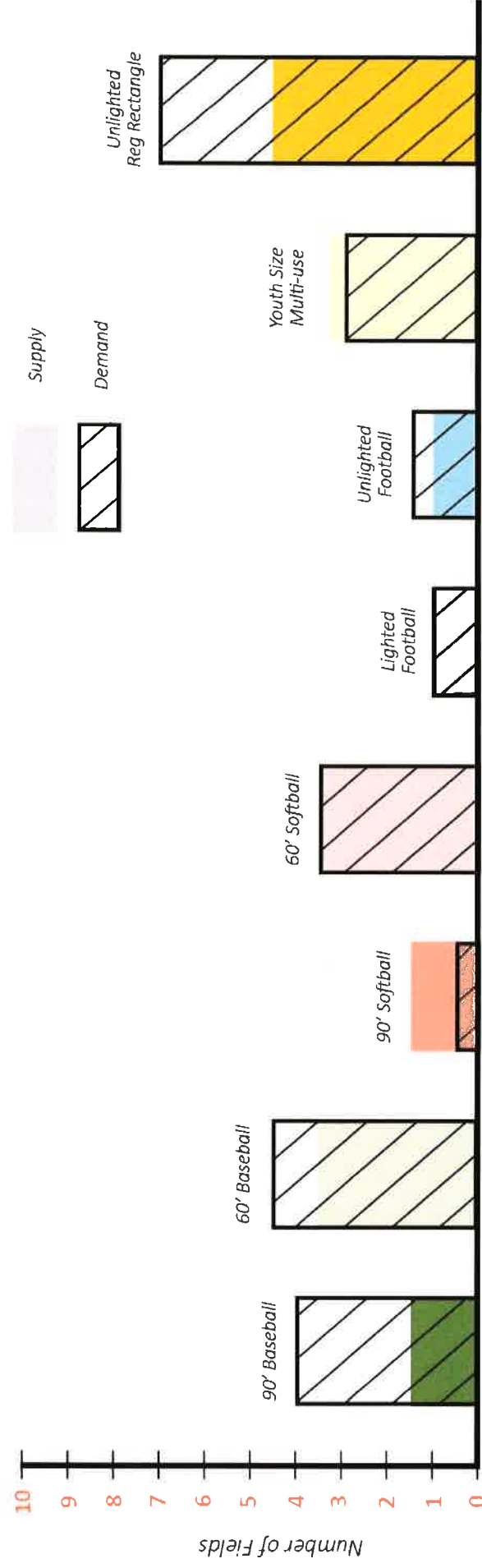


Task Force Methodology:

- P&R Update new participation **numbers**
- Update Fields Needs Assessment to 2020
- Interview All User groups
- Identify commonalities between assessment & user groups
- Determine Field Recommendations
- Presentation to user groups
- Public Presentation and Feedback
- Present findings to Town Council



Updated Supply and Demand Fields Needs Assessment:



- Demand updated May 2020
- Supply includes full 2020 School buildout



User Group Meetings:



- Town Youth Club Teams
- Fitch Athletics (Soccer/Lacrosse/Football/Field Hockey/ Baseball/Softball/Marching Band)
- Town Travel Ball (CT Crush / CT Clippers / Land Sharks)
- Shoreline Social Sports



User Group Meetings:

It's worse than we thought

- Significant Equity issues
 - Gender Equity
 - ADA Access
 - Educational Access – bussing to practice
 - Access to support facilities
- Our existing “Good” fields need work
- No significant capital investment in 20+ years despite the need
- Groton is significantly behind ALL surrounding Towns



User Group Meetings:

Ball Field Needs

Groton Little League / Mystic Little League / Crush /
Clippers / Land Sharks

- 3 Full Size Baseball Fields
- 1 Intermediate (50/70) Field
- Very Difficult getting sufficient practice and game time
- No Intermediate field in Town
- Youth Softball is sufficient



User Group Meetings:

Multi-Use Field Needs

Groton Soccer Club/ Groton Mystic Football/ Groton
Mystic Cheer / Groton Mystic Lacrosse

- Need 3 Full Size Rectangles
- Significant need for Synthetic Turf (amount of use & weather)
- Need lights and amenities for full use
- Youth Fields need maintenance



User Group Meetings: Fitch High School

Current Conditions

- Football Field (needs significant work)
- Track (resurface in 4-5 years)
- Baseball (needs playing surface work)
- 6 Tennis Courts (just refinished)
- Football Practice / Field Events area (needs significant work)



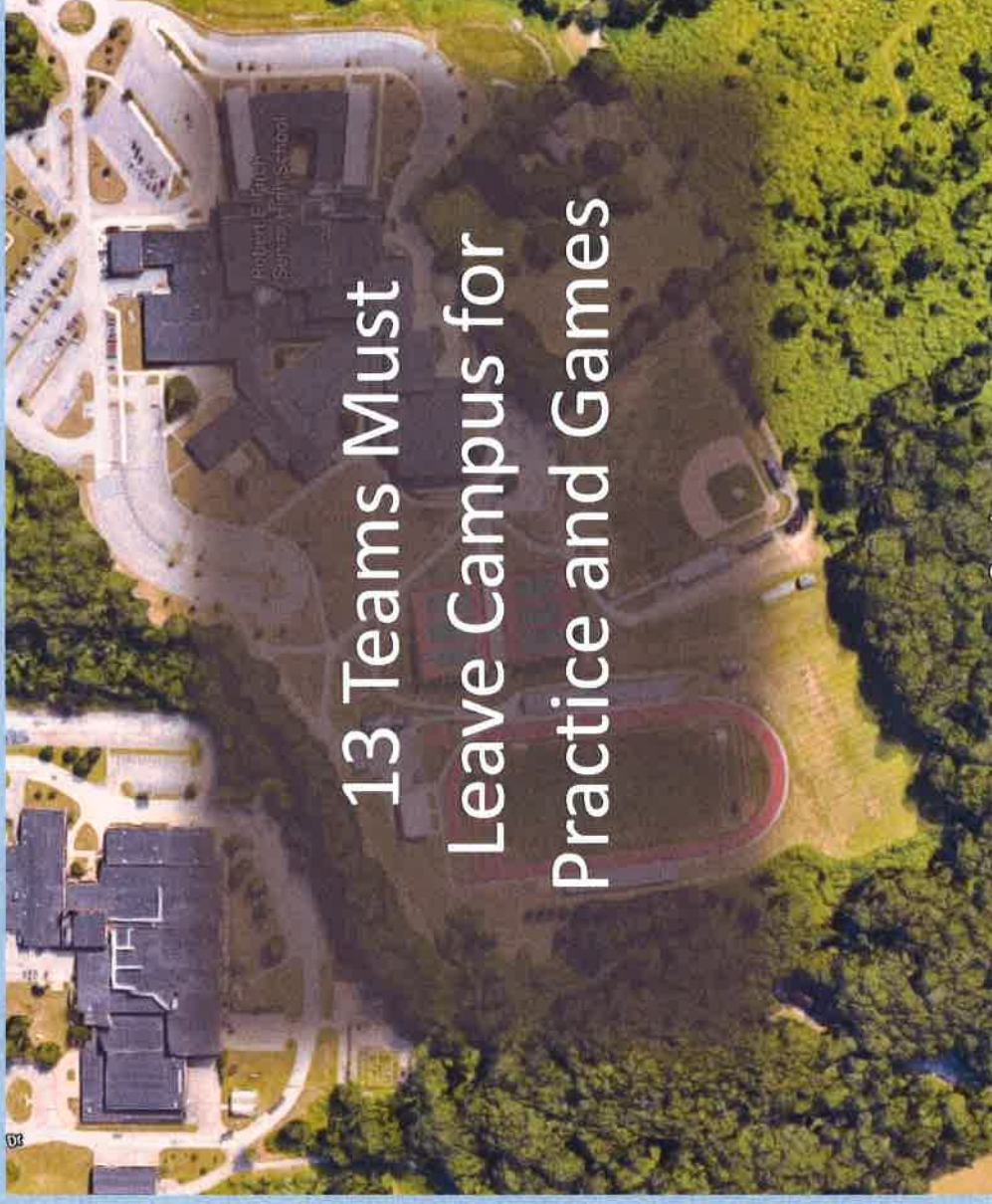
User Group Meetings: Fitch High School Current Field Teams

Fall

Football – 3 (Fr, JV & V)
Field Hockey - 2 (JV & V)**
Girls Soccer – 2 (JV & V)**
Boys Soccer - 2 (JV & V)**
Marching Band

Spring

Baseball – 3 (Fr, JV & V)*
Girls Lax -2 (JV & V)**
Boys Lax- 2 (JV & V)**
Softball - 2 (JV & V)**
Track & Field – 2 (B&G)



13 Teams Must
Leave Campus for
Practice and Games

Surrounding Town High School Athletic Facilities



Stonington



Surrounding Town High School Athletic Facilities



Ledyard



Surrounding Town High School Athletic Facilities



Waterford



Surrounding Town High School Athletic Facilities



East Lyme



Surrounding Town High School Athletic Facilities



New London



Fitch High School Athletic Facilities



Fitch High School Athletic Facilities



Existing Public Restrooms



Neighboring Town Facilities



Fitch High School Athletic Facilities



Press Box



Neighboring Town Facilities

Stonington



New London



Waterford



Ledyard



East Lyme



Fitch High School Athletic Facilities



Neighboring Town Facilities

Stonington



Waterford



Ledyard



Fitch Baseball



User Group Meetings:

High School Athletic Field Needs:

Baseball / Field Hockey / Football / Men's and Women's
Lacrosse / Marching Band / Men's & Women's Soccer /
Softball / Unified Sports

- Main Field Renovation to Multi-use (Synthetic Turf, Complete Amenities, Track & Field, Fieldhouse and Storage)
- 2-3 Additional Fields (1 Synthetic with lights and bleachers)
- Softball field(s) on campus
- 2 Additional Tennis courts
- Baseball Field Renovations
- Access to amenities for all fields



Summarized Identified Needs:

- Addition of Lights, Restrooms, Storage, Scoreboard & bleachers at the new Middle School Field
- Upgrade Fitch Football/Track to Synthetic Multi-use field for all sports – upgrade all amenities
- Renovate Fitch Baseball playing surface
- 4 Full-size Multi-use Fields - Synthetic
- 2 Full-size Baseball Fields
- 1 Intermediate size Baseball Field
- 2 Full-size Softball Fields
- 2 Tennis Courts



Synthetic Turf Considerations:

- Synthetic Turf requested by all user groups
- Letter from Groton Conservation Advocates
 - Health Concerns of Crumb Rubber
 - Environmental Concerns of adding plastic to the environment
- CT Dept of Health – greatly studied – no concerns – no restrictions
 - <https://portal.ct.gov/dph/Environmental-Health/Environmental-and-Occupational-Health-Assessment/Artificial-Turf-Fields>
- Town Council has requested **greater analysis**
- Task Force is committed to further exploring the issues & will report

Primary rationale:

- 1/3 more fields if synthetic isn't utilized
- All weather use is critical for all sports



Proposed Solutions: Fitch High School

Proposed Solution	Amenities
Renovate Stadium Track & multi-use Field	Synthetic Turf for all sports, Lights, Bleachers, Concessions, Press Box, Ticket Booth, Restrooms, Locker rooms, Scoreboard, Parking, Throwing areas, Storage, ADA compliance & access
2 Full Size multi-use Fields	Lights, Bleachers, Scoreboard (on one field), Access to Restrooms, Lockers, Storage, Parking
Softball field on Campus	Lights, Bleachers, Storage, Concessions, Press Box, Scoreboard, Restrooms, Locker rooms
2 Tennis Courts	
Renovate Baseball Field	Improve Playing surface, (possibly synthetic) – access to amenities



Proposed Solutions: Sutton Park

Proposed Solution	Amenities
Full-size Baseball with lights (possibly synthetic)	New Field – possibly Synthetic Turf, Lights, Dugouts, Bleachers, Storage, Concessions, Press Box, Restrooms, Scoreboard, Parking
Full Size HS Softball (possibly synthetic)	New Field – possibly Synthetic Turf, Lights, Dugouts, Bleachers, Storage, Concessions, Press Box, Restrooms, Scoreboard, Parking
Sutton Park would become an ancillary athletic complex for the High School. Athletes are able to walk down the hill to attend / spectate practices and games. Significant improvement for academics and athletics.	



Proposed Solutions: Claude Chester Property

Proposed Solution	Amenities
2 Full-size multi-use	Synthetic Turf, Lights, Scoreboard, Bleachers, Storage, Concessions, Press Box, Restrooms, Parking
Intermediate size Baseball	New Field, Lights, Dugouts, Scoreboard, Bleachers, Storage, Concessions, Press Box, Restrooms, Parking
Claude Chester property would become an extension of Poquonnock Plains Park, with 5 total fields and sufficient parking and amenities to host tournaments.	



Proposed Solutions: Groton Community Center

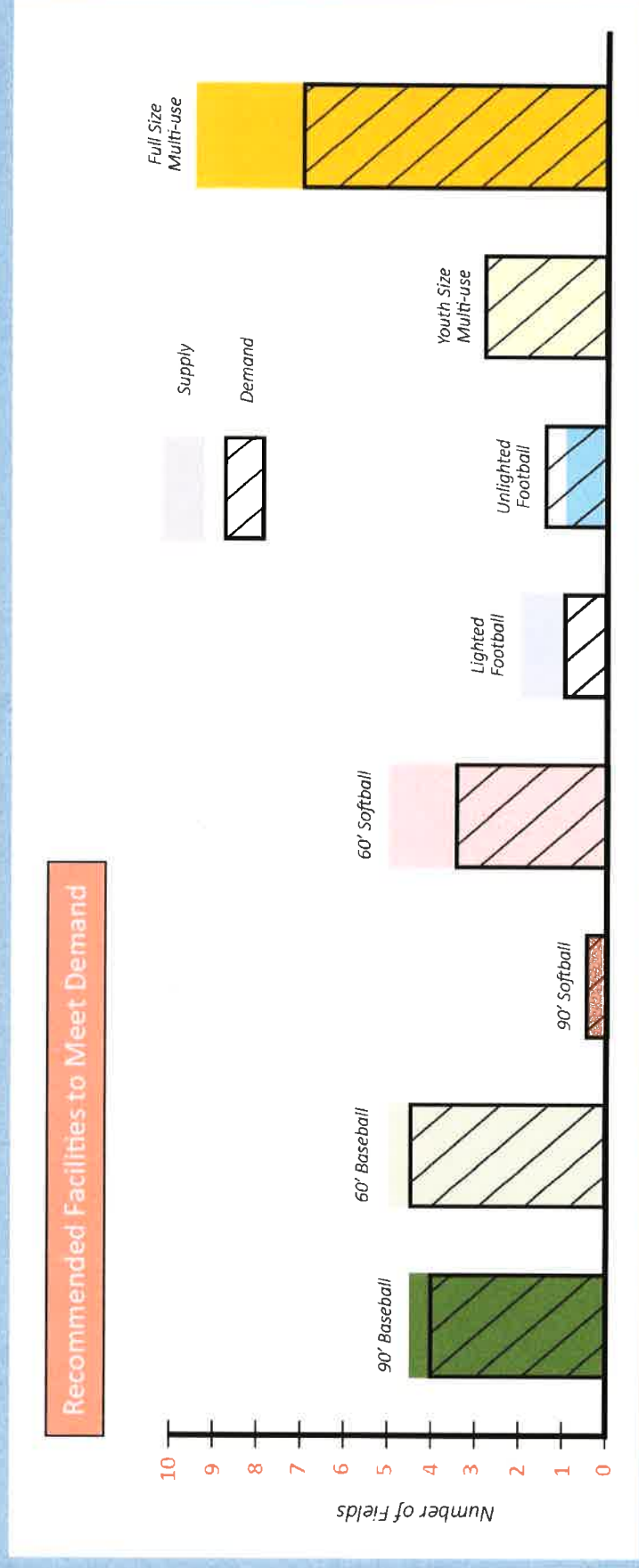
Proposed Solution	Amenities
Little League Baseball	Field Improvements, Bleachers, Power, Parking

Proposed Solutions: Deficit / Losses

- Loss of Short Adult Softball field (Sutton Park)
- Loss of a youth Softball – still sufficient fields



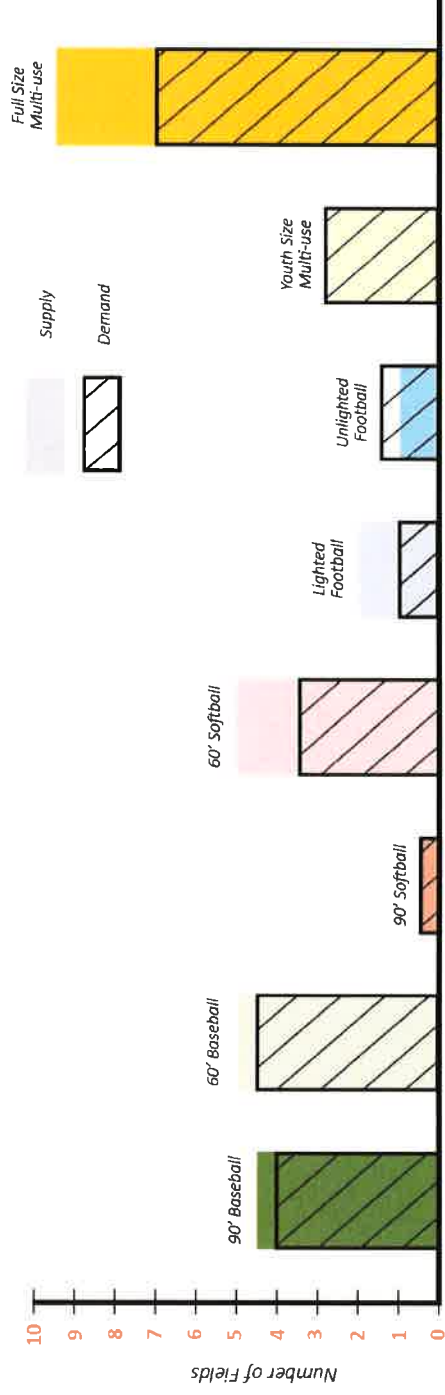
Needs Assessment with Proposed Fields



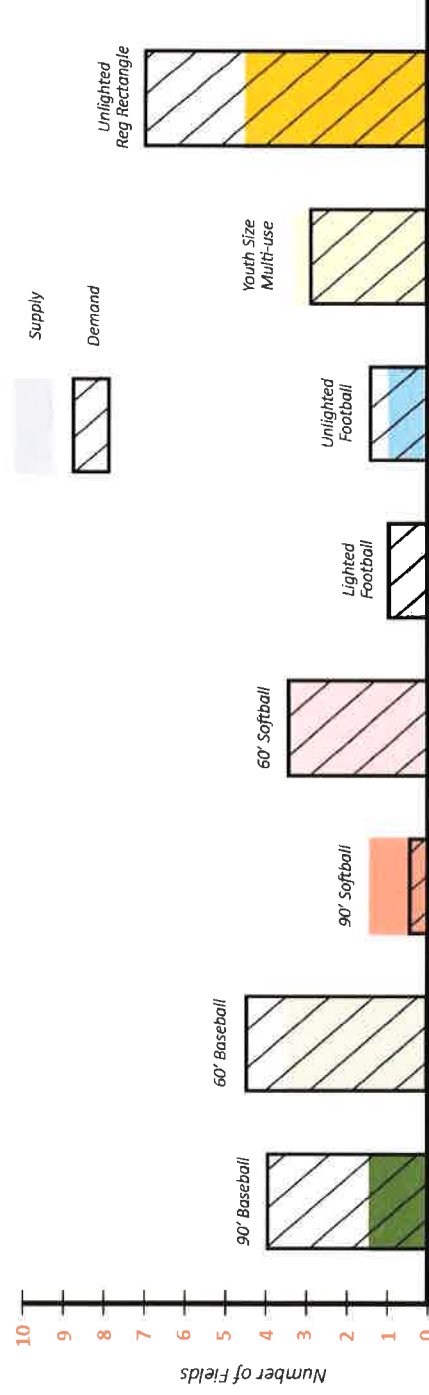
- Proposed fields meets current demand
- Proposed fields allows for desirable High School scheduling



Proposed



Existing



Public Reaction:

- Strong Public Support
- Positive response from Council & RTM
- P&R CIP request for field designs and cost estimate
- Continued analysis & exploration of field types
- Strong Support from State Legislators

Seeking Board of Ed Support &/or Partnership



Doing Nothing isn't an option

- \$\$\$ = for existing fields to be usable
- \$\$\$\$ = Quality fields that represent our community that provide safe, compliant, equitable access & Economic Value

Live Here – Work Here – Play Here

Community Pride + Quality of Life = Economic Development





CUTLER ELEMENTARY SCHOOL
TOWN OF GROTON

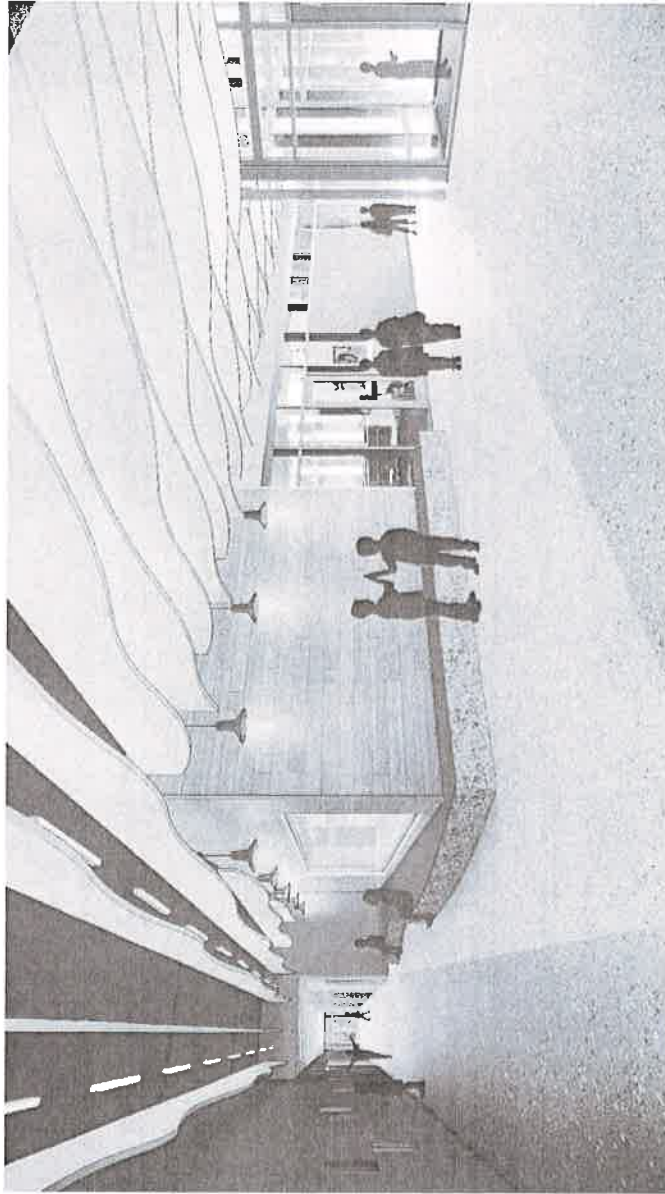
160 Fishtown Road
Mystic, CT 06355



State Project No. 059-0188 N

Owner: Town of Great Falls 7500 Highway 101, Great Falls, VT 05240 Tel: 802.332.2200	Co studio Manager: 94.63 Industries 110 Walnut Street, Suite 300 Wilmington, VT 05397 Tel: 802.942.2005	Owner's Representative: Arcadis 307 Main Street, Suite 300 Hartford, CT 06103 Tel: 860.825.0555	Civil / Site: Middie & MacIsaac 99 Kelly Drive Windsor, VT 05093 Tel: 802.731.1171	Landscape: Bisler & Egan Avery Park, 100 P.O. Box 57, 18 Canton, VT 05647 Tel: 802.251.5171	Structural: BWH Integrated Services 50 Collier Road South Burlington, VT 05403 Tel: 802.231.2750	Mechanical, Electrical, Plumbing & Fire Protection: Crestbrook Construction 2321 Whittier Avenue, Suite 300 Hartford, CT 06103 Tel: 860.231.2750	Technology and Security: D'Agnostino & Associates 1206 E. Main Street Burlington, VT 05403 Tel: 802.680.3345	Food Service: Feasterville Facilities International 132 Elm Street Lebanon, CT 06240 Tel: 860.392.7156	Acoustical Consultant: Acetech 33 Leaden Street Lebanon, CT 06240 Tel: 860.392.7156	Sustainability Consultant: Atelier Ten 785 Chapel Street Hartford, CT 06103 Tel: 860.207.1450
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DRAWING SCHEDULE



SECURE ATTACHMENT NOTE

To ensure proper placement of Polysar Flanaplex 4, Equipped forms, casting and tamping must, when forms are attached to wall, ceiling, floor and slab, be done in the same manner as for concrete. The concrete must be placed in the forms and tamped to the same depth as for concrete. The concrete must be placed in the forms and tamped to the same depth as for concrete. The concrete must be placed in the forms and tamped to the same depth as for concrete.

LIST OF DRAWINGS

COVER
IT-101 TECHNOLOGY LEVEL 1 PARTIAL FLOOR PLAN
IT-101A TECHNOLOGY LEVEL 1 PARTIAL FLOOR PLAN
IT-101B TECHNOLOGY LEVEL 1 PARTIAL FLOOR PLAN
IT-101C TECHNOLOGY LEVEL 1 PARTIAL FLOOR PLAN
IT-102 TECHNOLOGY LEVEL 1 PARTIAL FLOOR PLAN
IT-103 TECHNOLOGY LEVEL 1 PARTIAL FLOOR PLAN
IT-200 TECHNOLOGY EQUIPMENT ROOM LAYOUTS

[illegible]

**PERKINS —
EASTMAN**
877 Washington Blvd Suite 101
Stamford, CT 06907
T 7-1 203 251 7400
F 7-1 203 251 7474

TECHNOLOGY PROCUREMENT DOCUMENTS

PROJECT No. 74450
MARCH 4, 2021

SYMBOL LEGEND	
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1/4" = 1'	1/4" = 1'
1/8" = 1'	1/8" = 1'
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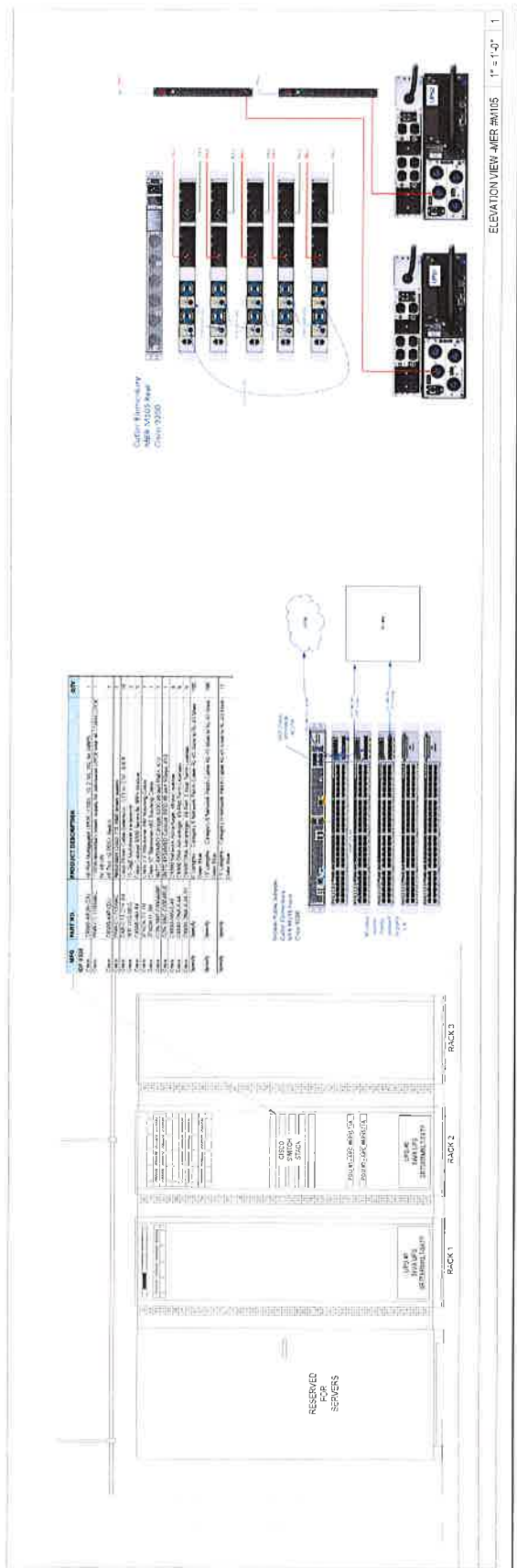
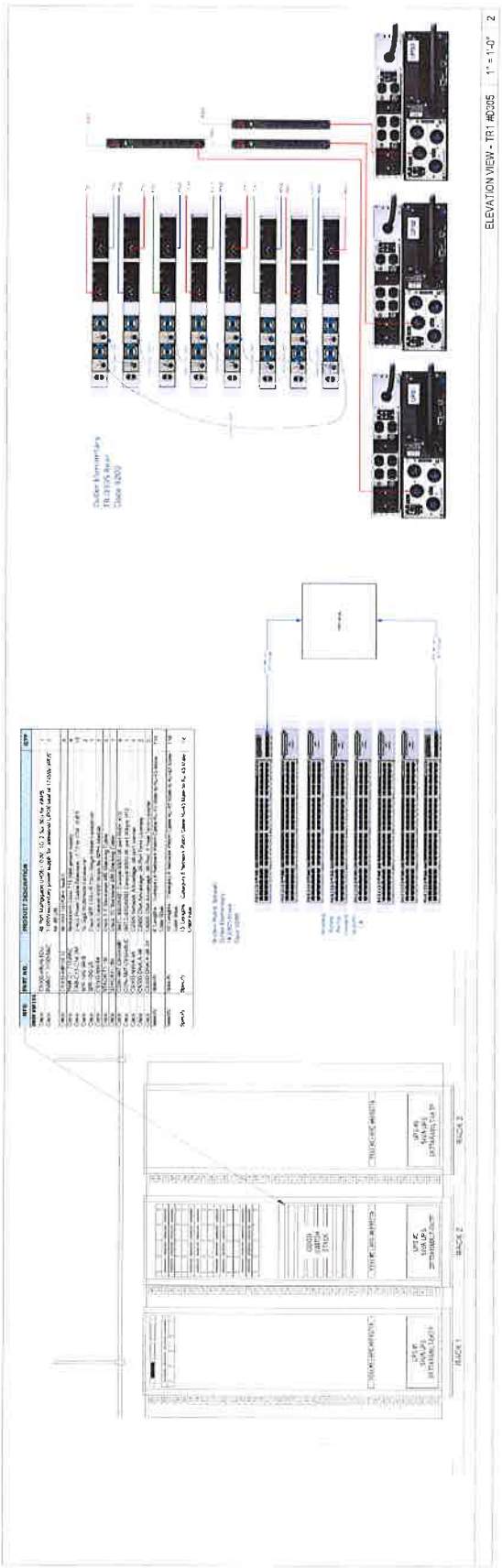
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Project: Cutler Elementary School
130 Fallow Road
Middletown, CT 06450
Owner: Middletown Board of Education
Architect: Perkins Eastman
Interior Design: Perkins Eastman
Mechanical: Perkins Eastman
Electrical: Perkins Eastman
Civil: Perkins Eastman
Landscape: Perkins Eastman
Construction Management: Perkins Eastman

CUTLER ELEMENTARY SCHOOL
130 Fallow Road
Middletown, CT 06450
PROJECT TYPE: School

TECHNOLOGY EQUIPMENT ROOM LAYOUTS

IT-200
CONSTRUCTION DOCUMENTS
MARCH 4, 2021



WEST SIDE ELEMENTARY SCHOOL
TOWN OF GROTON

150 Brandegee Ave
Groton, CT 06340

State Project No. 059-0189 N

Owner: Terra & Earthlink	Construction Manager: D & B Builders	Owner's Representative: Arcadis	Civil / Site Mullins & MacDevinn	Structural: BVR International	Mechanical, Electrical, Plumbing & Fire Protection: Overseas Technology	Technology and Security: P'Agosina & Associates	Food Service: Foodservice Facilities International	Acoustical Consultant: Acetech	Sustainability Consultant: Atelier Ten
11200 17th Street, Suite 200 Tampa, FL 33606-3665 (781)	11200 17th Street Tampa, FL 33606-3665 (781)	200 Arm Street, Suite 200 Naples, FL 33903-8565 (237)	1800 17th Ave. Chavez, CA 94510-2121 (171)	250 Wall Street, Suite 300 Boston, MA 02106-8965 (33117)	2215 Wilshire Avenue, Suite 300 Hollywood, CA 90027-3200	2000 E. 1st Street Chattanooga, TN 37403 (1114)	121 Elm Place Jefferson, NC 28623 (121)	13 Market Street Cincinnati, OH 45202 (171)	700 Grand Street New York, NY 10002 (33)

A perspective view of a modern, brightly lit interior space, possibly a shopping mall or a large hall. The ceiling is high and features a series of long, horizontal, illuminated panels. The floor is polished and reflects the light. Several people are visible walking through the space, and there are large glass windows or doors on the right side.

SECURE ATTACHMENT

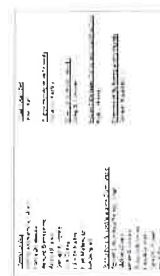
SECURE ATTACHMENT OF TECHNOLOGY ITEMS

To ensure proper attachment of fixtures, manufacturers should use lens, sealant and technology items where they are attached to wet ceiling overhead structure and/or floor and/or wall that provide information adequate for attached items, attached to wet ceiling, under floor are attached to dry and per manufacturer's recommendations. Product's review may be implemented during submittal process.

LIST OF DRAWINGS

OVER

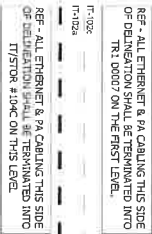
- 101 TECHNOLOGY LEVEL 1 PARTIAL FLOOR PLAN
- 101A TECHNOLOGY LEVEL 1 PARTIAL FLOOR PLAN
- 101B TECHNOLOGY LEVEL 1 PARTIAL FLOOR PLAN
- 101C TECHNOLOGY LEVEL 1 PARTIAL FLOOR PLAN
- 102 TECHNOLOGY LEVEL 1 PARTIAL FLOOR PLAN
- 103 TECHNOLOGY LEVEL 1 PARTIAL FLOOR PLAN
- 200 TECHNOLOGY EQUIPMENT ROOM LAYOUTS



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PROJECT No. 74451
MARCH 4, 2021

TECHNOLOGY PROCUREMENT DOCUMENTS



NO	DATE	ISSUE
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KEY POINTS

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Journal of Internal Medicine 260: 101–109

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WEST SIDE

ELEMENTARY

250 Brandegee Ave
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STATE PROJECT NO. 059

LEVEL 2

FLOOR PLAN

1000

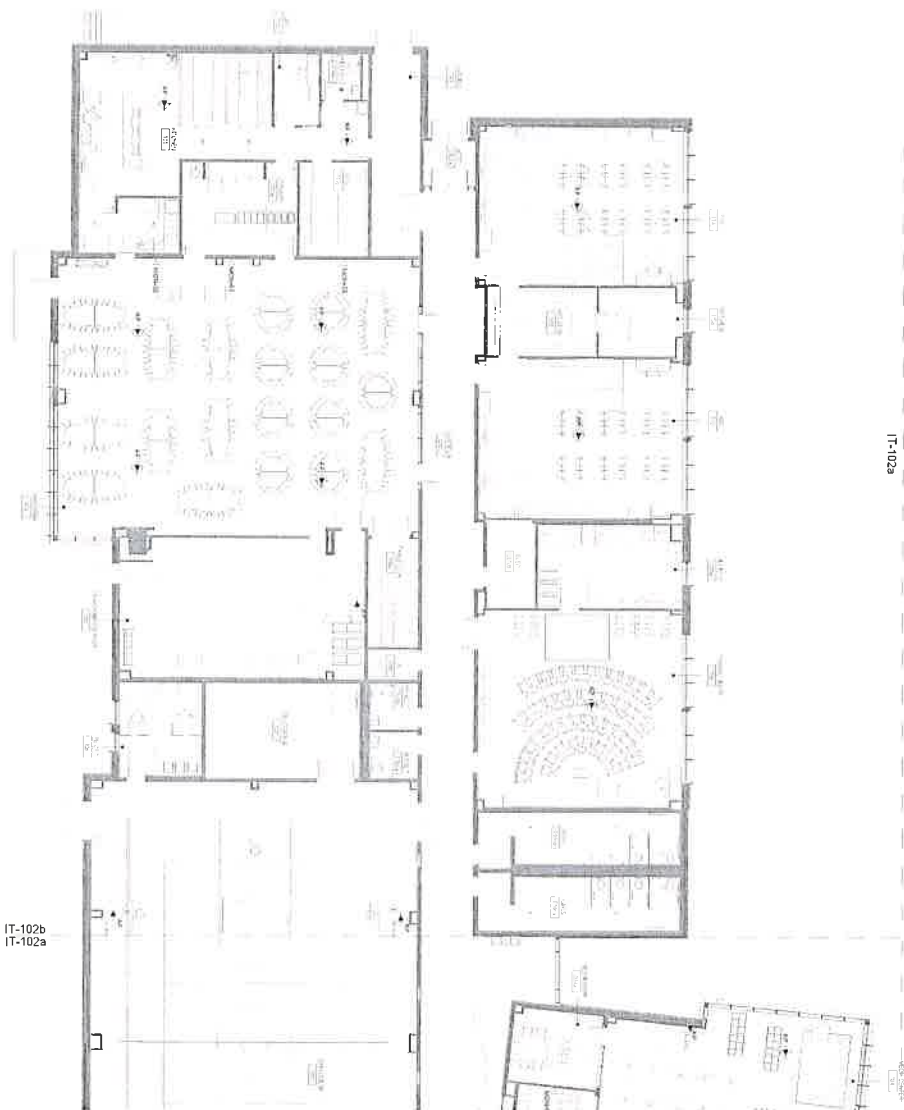
CO

KEY NOTES

SECURE ATTACHMENT NOTE

To answer your question, I believe, Euteneier & Euteneier have, including the Toronto office, always been at the forefront of creating new structures and/or attaching new, useful, existing structures, and/or Contractor and/or source information separate to architect to vary them, attached to well existing another four are attached security and our manufacturer's recommendations. Architects' review may be implemented during submit process.

IT-10

[illegible]IT-102a
IT-102a

ENCLOSURE TO BE INSTALLED OVER THE OUTLET BOX AND AS MANDATED PER THE MANUFACTURED INSTRUCTIONS

SECURE ATTACHMENT NOTE

SECURE ATTACHMENT OF TECHNOLOGY ITEMS

To ensure proper attachment of items, the following items are attached to each technology item:

- A copy of the item's title page, including the title, author, and date.
- A copy of the item's abstract, including the purpose, methods, results, and conclusions.
- A copy of the item's introduction, including the background, purpose, and methods.
- A copy of the item's conclusion, including the results, conclusions, and recommendations.
- A copy of the item's references, including the sources used in the item.
- A copy of the item's appendices, including any additional information or data.
- A copy of the item's figures, including any charts, graphs, or tables.
- A copy of the item's tables, including any data tables.
- A copy of the item's glossary, including any definitions of terms.
- A copy of the item's index, including any subject headings.
- A copy of the item's cover page, including the title, author, and date.
- A copy of the item's back cover, including the title, author, and date.
- A copy of the item's endpapers, including any decorative elements.
- A copy of the item's binding, including any spine or cover material.
- A copy of the item's pages, including any text or illustrations.
- A copy of the item's illustrations, including any drawings or photographs.
- A copy of the item's photographs, including any images or pictures.
- A copy of the item's audio, including any recordings or sound files.
- A copy of the item's video, including any recordings or film files.
- A copy of the item's digital files, including any documents or data files.
- A copy of the item's physical files, including any hard drives or floppy disks.
- A copy of the item's software, including any programs or applications.
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- A copy of the item's network, including any routers or switches.
- A copy of the item's database, including any data or information.
- A copy of the item's website, including any web pages or content.
- A copy of the item's email, including any messages or attachments.
- A copy of the item's social media, including any posts or comments.
- A copy of the item's blog, including any articles or posts.
- A copy of the item's podcast, including any audio files or transcripts.
- A copy of the item's webinar, including any video files or transcripts.
- A copy of the item's conference, including any presentations or papers.
- A copy of the item's workshop, including any materials or activities.
- A copy of the item's seminar, including any presentations or papers.
- A copy of the item's lecture, including any presentations or papers.
- A copy of the item's course, including any materials or activities.
- A copy of the item's program, including any materials or activities.
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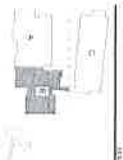
TECHNOLOGY
LEVEL 2 PARTIAL
FLOOR PLAN

MARCH 4 2025

SYMBOL LEGEND	
	NOTE
	SECTION
	DETAIL
	SCHEDULE
	ELEVATION
	SECTION CUT
	SECTION CUT WITH FOUNDATION
	SECTION CUT WITH FOUNDATION AND WALL
	SECTION CUT WITH FOUNDATION AND WALL AND FLOOR
	SECTION CUT WITH FOUNDATION AND WALL AND FLOOR AND ROOF

NO.	DATE	REVISION
1	03/04/2021	ISSUED FOR PERMIT
2	03/04/2021	ISSUED FOR PERMIT
3	03/04/2021	ISSUED FOR PERMIT
4	03/04/2021	ISSUED FOR PERMIT
5	03/04/2021	ISSUED FOR PERMIT
6	03/04/2021	ISSUED FOR PERMIT
7	03/04/2021	ISSUED FOR PERMIT
8	03/04/2021	ISSUED FOR PERMIT
9	03/04/2021	ISSUED FOR PERMIT
10	03/04/2021	ISSUED FOR PERMIT

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KEY NOTES

1. SEE ARCHITECTURAL SPECIFICATIONS FOR MATERIALS AND FINISHES.
2. SEE ELECTRICAL SPECIFICATIONS FOR ELECTRICAL SYSTEMS.
3. SEE MECHANICAL SPECIFICATIONS FOR MECHANICAL SYSTEMS.
4. SEE CIVIL SPECIFICATIONS FOR CIVIL SYSTEMS.

SECURE ATTACHMENT NOTE

To ensure proper attachment of products, furnishings & equipment, please refer to the manufacturer's instructions. The manufacturer's instructions should be used to determine the proper attachment method. The manufacturer's instructions should be used to determine the proper attachment method. The manufacturer's instructions should be used to determine the proper attachment method.

**WEST SIDE
ELEMENTARY
SCHOOL**
250 BROADWAY
DANBURY, CT 06810

STATE PROJECT NO. 2540 158N
PROJECT NO. 1421
TECHNOLOGY
LEVEL 2 PARTIAL
FLOOR PLAN

IT-102b

MARCH 4, 2021



IT-102b
IT-102a

SYMBOL LEGEND

1/4" = 1'	PERMANENTLY EXISTING CONSTRUCTION
1/8" = 1'	EXISTING CONSTRUCTION TO REMAIN
1/16" = 1'	PROPOSED CONSTRUCTION
1/32" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/64" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/128" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/256" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/512" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/1024" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/2048" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/4096" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/8192" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/16384" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/32768" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/65536" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/131072" = 1'	PROPOSED CONSTRUCTION TO REMAIN
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1/2097152" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/4194304" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/8388608" = 1'	PROPOSED CONSTRUCTION TO REMAIN
1/16777216" = 1'	PROPOSED CONSTRUCTION TO REMAIN
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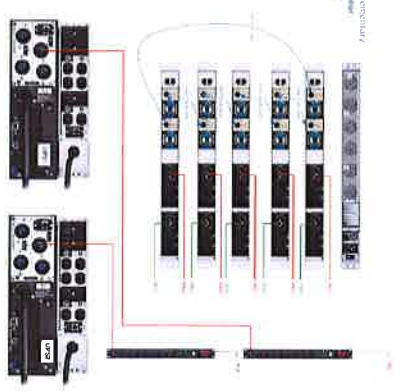
WEST SIDE ELEMENTARY SCHOOL
STATE PROJECT NO. 558-0-894
PROJECT NO. 148-1
DESIGNED BY
TECHNOLOGY
EQUIPMENT ROOM
LAYOUTS
DATE: 02/08/2011

PROJECT NO. 148-1
STATE PROJECT NO. 558-0-894
PROJECT NO. 148-1
DESIGNED BY
TECHNOLOGY
EQUIPMENT ROOM
LAYOUTS
DATE: 02/08/2011

PROJECT NO. 148-1
STATE PROJECT NO. 558-0-894
PROJECT NO. 148-1
DESIGNED BY
TECHNOLOGY
EQUIPMENT ROOM
LAYOUTS
DATE: 02/08/2011

IT-200
DATE: 02/08/2011

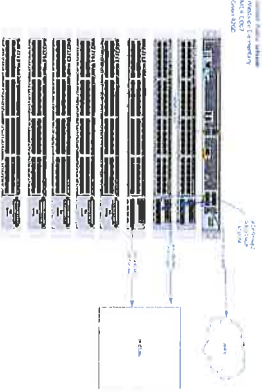
ELEVATION VIEW - TR: 10100C 1' = 1'-0"



NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
1	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
2	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
3	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
4	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
5	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
6	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
7	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
8	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
9	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
10	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00



ELEVATION VIEW - MER: 10007 1' = 1'-0"



NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
1	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
2	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
3	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
4	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
5	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
6	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
7	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
8	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
9	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00
10	1000W 1U RACK MOUNTED SERVER	1	UNIT	1000.00	1000.00



Attachment #4

CUTLER ELEMENTARY SCHOOL
 160 Fishtown Road, Mystic, CT 06355
 State Project # 059-0188N
 PHASE 4 OF 4
 DATE: 03/04/2021
 TECHNOLOGY EQUIPMENT ESTIMATE



BASE BID

	SYSTEM	ELIGIBLE	INELIGIBLE	TOTAL	PROCUREMENT
TE-01	LAN Network Switches	\$ 106,052.14	\$0.00	\$ 106,052.14	State DAS #18PSX0202
TE-02	Wireless Access Points	\$ 107,634.16	\$0.00	\$ 107,634.16	State DAS #18PSX0202
TE-03	Uninterrupted Power Supplies	\$ 31,658.24	\$0.00	\$ 31,658.24	Public Bid
TE-04	Display Monitors	\$ 40,479.00	\$0.00	\$ 40,479.00	State DAS #19PSX0015
TE-05	Charging Carts	\$ 57,240.00	\$0.00	\$ 57,240.00	Public Bid
TE-06	Visitor Management System	\$ 2,026.00	\$ 100.00	\$ 2,126.00	Direct from Manufacture
TE-07	Server	\$ 6,500.00	\$0.00	\$ 6,500.00	Public Bid
TE-08	Cafeteria POS System	\$ 6,931.00	\$0.00	\$ 6,931.00	Sole Source
TOTALS		\$ 358,520.54	\$ 100.00	\$ 358,620.54	

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	MER #M105							
2	Cisco	C9200-48PXG-EDU	Cisco Catalyst 9200 Series 48 Port PoE+ w/8 multigigabit	5	\$ 3,952.39	\$ 19,761.93	\$0.00	\$ 19,761.93
3	Cisco	PWR-C6-1KWAC	Redundant Cisco 1000 Watt power supply	5	\$ 891.26	\$ 4,456.31	\$0.00	\$ 4,456.31
4	Cisco	CAB-C13-C14-2M	Cisco Power Cable Extension - C13 to C14 - 6.6 ft	10	\$ 29.22	\$ 292.25	\$0.00	\$ 292.25
5	Cisco	SFP-10G-SR-S=	10 GbE Multimode transceiver	2	\$ 343.31	\$ 686.62	\$0.00	\$ 686.62
6	Cisco	SFP-10G-LR	Cisco SFP-10G-LR 10km Single Mode transceiver	1	\$ 1,946.73	\$ 1,946.73	\$0.00	\$ 1,946.73
7	Cisco	C9200-NM-4x	1/10G 4x SFP+Module	3	\$ 943.29	\$ 2,829.87	\$0.00	\$ 2,829.87
8	Cisco	C9200-STACK-KIT	Cisco 9200 Stacking Kit consists of 2x adapters and 2x 50cm cables	5	\$ 618.93	\$ 3,094.67	\$0.00	\$ 3,094.67
9	Cisco	STACK T4-3M	Cisco 9200 Stacking cable 3m	1	\$ 141.49	\$ 141.49	\$0.00	\$ 141.49
10	Cisco	CON-SNT-C92008EU	3 year SmartNet Total Care 8x5xNBD for Catalyst 9200 48-port 8xmGig PoE+ K12	5	\$ -	\$ -	\$0.00	\$ -
11	Cisco	C9200-NW-A-48	C9200 Network Advantage, 48-port license	5	\$ -	\$ -	\$0.00	\$ -
12	Cisco	C9200-DNA-A-48	C9200 Cisco DNA Advantage, 48-port term license	5	\$ -	\$ -	\$0.00	\$ -
13	Cisco	C9200-DNA-A-48-3Y	C9200 Cisco DNA Advantage, 48-port 3 year license	5	\$ 1,778.10	\$ 8,890.52	\$0.00	\$ 8,890.52
14	Specify		6' Lengths - Category 6 Network Patch Cable RJ-45 Male to RJ-45 Male - Color Blue.	114	\$ 4.00	\$ 456.00	\$0.00	\$ 456.00
15	Specify		10' Lengths - Category 6 Network Patch Cable RJ-45 Male to RJ-45 Male - Color Blue.	114	\$ 5.00	\$ 570.00	\$0.00	\$ 570.00
16	Specify		15' Lengths - Category 6 Network Patch Cable RJ-45 Male to RJ-45 Male - Color Blue.	12	\$ 6.00	\$ 72.00	\$0.00	\$ 72.00
17	IDF 0028							
18	Cisco	C9200-48PXG-EDU	Cisco Catalyst 9200 Series 48 Port PoE+ w/8 multigigabit	8	\$ 3,952.39	\$ 31,619.08	\$0.00	\$ 31,619.08
19	Cisco	PWR-C6-1KWAC	Redundant Cisco 1000 Watt power supply	8	\$ 891.26	\$ 7,130.09	\$0.00	\$ 7,130.09
20	Cisco	CAB-C13-C14-2M	Cisco Power Cable Extension - C13 to C14 - 6.6 ft	16	\$ 29.22	\$ 467.59	\$0.00	\$ 467.59
21	Cisco	SFP-10G-SR-S=	10 GbE Multimode transceiver	2	\$ 343.31	\$ 686.62	\$0.00	\$ 686.62
22	Cisco	C9200-NM-4x	1/10G 4x SFP+Module	2	\$ 943.29	\$ 1,886.58	\$0.00	\$ 1,886.58
23	Cisco	C9200-STACK-KIT	Cisco 9200 Stacking Kit consists of 2x adapters and 2x 50cm cables	8	\$ 618.93	\$ 4,951.47	\$0.00	\$ 4,951.47
24	Cisco	STACK T4-3M	Cisco 9200 Stacking cable 3m	1	\$ 141.49	\$ 141.49	\$0.00	\$ 141.49
25	Cisco	CON-SNT-C92008EU	3 year SmartNet Total Care 8x5xNBD for Catalyst 9200 48-port 8xmGig PoE+ K12	8	\$ -	\$ -	\$0.00	\$ -
26	Cisco	C9200-NW-E-48	C9200 Network Essentials, 48-port license	8	\$ -	\$ -	\$0.00	\$ -
27	Cisco	C9200-DNA-E-48	C9200 Cisco DNA Essentials, 48-Port Term Licenses	8	\$ -	\$ -	\$0.00	\$ -
28	Cisco	C9200-DNA-A-48-3Y	C9200 Cisco DNA Essentials, 48-port - 3 Year Term License	8	\$ 1,778.10	\$ 14,224.83	\$0.00	\$ 14,224.83
29	Specify		6' Lengths - Category 6 Network Patch Cable RJ-45 Male to RJ-45 Male - Color Blue.	186	\$ 4.00	\$ 744.00	\$0.00	\$ 744.00
30	Specify		10' Lengths - Category 6 Network Patch Cable RJ-45 Male to RJ-45 Male - Color Blue.	186	\$ 5.00	\$ 930.00	\$0.00	\$ 930.00
31	Specify		15' Lengths - Category 6 Network Patch Cable RJ-45 Male to RJ-45 Male - Color Blue.	12	\$ 6.00	\$ 72.00	\$0.00	\$ 72.00
32				TOTAL		\$ 106,052.14	\$0.00	\$ 106,052.14

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	Cisco	Cisco c9130axi-b-EDU	Cisco C9130AXI-B WiFi 6 Certified Access Point -Wi-Fi 6 Certified. 802.11ax -Up to 4 Radios - 5GHz flexible radio (single 8x8 or dual 4x4), 2.4GHz (4x4) -Uplink/Downlink OFDMA -Uplink/Downlink MU-MIMO -Flexible Radio Assignment -MultiGigabit Ethernet Support - Minimum Controller Software 8.10 -Internal omni antennas - 2.4GHz 4dBi / 5Ghz 6dBi	56	\$ 938.58	\$ 52,560.25	\$0.00	\$ 52,560.25
2	Cisco	EDU-C9800-40-K9	Cisco Wireless Network Controller	1	\$ 17,922.51	\$ 17,922.51	\$0.00	\$ 17,922.51
3	Cisco	C9800-AC-750W-R=	Redundant Cisco 750 Watt power supply	1	\$ 471.18	\$ 471.18	\$0.00	\$ 471.18
4	Cisco	CAB-C13-C14-2M	Cisco Power Cable Extension - C13 to C14 - 6.6 ft	2	\$ 29.22	\$ 58.45	\$0.00	\$ 58.45
5	Cisco	SFP-H10GB-ACU7M	Cisco 10GB SFP+ Active Twinax cable	4	\$ 185.30	\$ 741.21	\$0.00	\$ 741.21
6	Cisco	CON-3SNT-C913BIXI	3YR SmartNet TotalCare 8x5xNBD for Catalyst 9130ax series	56	\$ 35.37	\$ 1,980.84	\$0.00	\$ 1,980.84
7	Cisco	CON-3SNT-C98004KA	3YR SmartNet TotalCare 8x5xNBD for Catalyst 9800-40 wireless controller	1	\$ 75.35	\$ 75.35	\$0.00	\$ 75.35
8	Cisco	DNA-A-PROMO-3Y	3YR Cisco Digital Network Architecture EDU Advantage Wireless License	56	\$ 165.08	\$ 9,244.37	\$0.00	\$ 9,244.37
9	Oberon	1015-1313-C	Interior Wall Secure enclosure - In Gymnasium. 13 in. Hi-Bar™ Plastic Wi-Fi Access Point Lock Box with Translucent Door	4	\$ 220.00	\$ 880.00	\$0.00	\$ 880.00
10			Predictive Heat Map - Creation and deliverable	1	\$ 4,000.00	\$ 4,000.00	\$0.00	\$ 4,000.00
11			Active Heat Map - Creation and deliverable	1	\$ 4,000.00	\$ 4,000.00	\$0.00	\$ 4,000.00
12			Installation & Configuration Services for all above	1	\$ 15,700.00	\$ 15,700.00	\$0.00	\$ 15,700.00
13			TOTAL	TOTAL		\$ 107,634.16	\$0.00	\$ 107,634.16

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	APC	SRT5KRMXL1-5KTF	APC Smart-UPS SRT 5000VA RM 208V to 120V 2U Step-Down Transformer	5	\$ 4,045.80	\$ 20,229.02	\$0.00	\$ 20,229.02
2	APC	SRTK2	APC Smart-UPS SRT 19" Rail Kit for Smart-UPS SRT 5/6/8/10kVA	5	\$ 137.84	\$ 689.22	\$0.00	\$ 689.22
3	APC	AP9630	UPS Network Management Card 2 - Remote monitoring and control of an individual UPS	2	\$ 239.00	\$ 478.00	\$0.00	\$ 478.00
4	APC	AP9631	UPS Network Management Card with PowerChute Network Shutdown & Env Monitoring	3	\$ 439.00	\$ 1,317.00	\$0.00	\$ 1,317.00
5	APC	AP9335TH	Temperature & Humidity Sensor	2	\$ 160.00	\$ 320.00	\$0.00	\$ 320.00
6	APC	AP9571A	PDU - 208V, 1 RU - - (1 per UPS for this Switch Stack)	5	\$ 225.00	\$ 1,125.00	\$0.00	\$ 1,125.00
7			<i>Installation & Configuration Services for all above</i>	1	\$ 7,500.00	\$ 7,500.00	\$0.00	\$ 7,500.00
8			TOTAL		\$ 31,658.24	\$ 31,658.24	\$0.00	\$ 31,658.24

CUTLER ELEMENTARY SCHOOL - Phase 4 of 4
State Project # 059-0188N
DATE: 03/04/2021

TE-04 Display Monitors

State DAS Contract #19PSX00015

BASE BID

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	Samsung	QE55T	Monitor - 55" Display	6	\$ 1,100.00	\$6,600.00	\$0.00	\$6,600.00
2	Samsung	QE65T	Monitor - 65" Display	4	\$ 1,250.00	\$5,000.00	\$0.00	\$5,000.00
3	Samsung	QE70T	Monitor - 70" Display	0	\$ 1,700.00	\$0.00	\$0.00	\$0.00
4	Samsung	QM85N	Monitor - 85" Display	1	\$ 7,100.00	\$7,100.00	\$0.00	\$7,100.00
5	Samsung	MagiInfo Lite	Remote Management	1	\$ 120.00	\$120.00	\$0.00	\$120.00
6	HP	Chromebox G2	HP Chromebox G2 w/Intel Core i7-8650U or higher	11	\$ 375.00	\$4,125.00	\$0.00	\$4,125.00
7	Specifv	Specify	HDMI Cable between Chromebox and Monitor	11	\$ 12.00	\$132.00	\$0.00	\$132.00
8	Chief	XTM1U	Wall Mount for Monitors	11	\$ 650.00	\$7,150.00	\$0.00	\$7,150.00
9	Oe veo	MMMM-001	Mini PC Mount - Mount Chromebox to monitors - OR approved Alternate	11	\$ 32.00	\$352.00	\$0.00	\$352.00
10	As Required	As Required	Installation of Above	11	\$ 900.00	\$9,900.00	\$0.00	\$9,900.00
11				TOTAL		\$ 40,479.00	\$ -	\$ 40,479.00

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	Lock n Charge	10203	Revolution™ 32 Charging Cabinet	24	\$2,385.00	\$57,240.00	\$0.00	\$57,240.00
2				TOTAL		\$ 57,240.00	-	\$ 57,240.00

Direct from Manufacture

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	Raptor	Raptor Visitor Management	Raptor Visitor Management - Software Access Fee (per site license). Renewal fee is due on the anniversary month of purchase. Raptor technical support is included	1	\$ 595.00	\$ 595.00	\$0.00	\$ 595.00
2	Raptor	CR5400 ID Scanner	ID scanner for state issued identification cards -- 2 year limited warranty.	1	\$ 495.00	\$ 495.00	\$0.00	\$ 495.00
3	Raptor	As Required	Implementation Fee	1	\$ 350.00	\$ 350.00	\$0.00	\$ 350.00
4	Raptor	RaptorLink Writeback (PowerSchool)	Annual Software Access Fee (per Visitor Management subscription). Enables the sync of daily student tardy data collected by Raptor into PowerSchool.	1	\$ 225.00	\$ 225.00	\$0.00	\$ 225.00
5	Raptor	Dymo 450	Twin Turbo Label Printer - Badge printer for dual printing-- 2 year limited warranty.	1	\$ 200.00	\$ 200.00	\$0.00	\$ 200.00
6	Raptor	Remote Setup	Remote web- and phone-based setup (per location).	1	\$ 125.00	\$ 125.00	\$0.00	\$ 125.00
7	Raptor	Raptor Visitor Badoes (White) Box	Raptor visitor badges (4 rolls/300 badges per roll). Quality guaranteed for one (1) year after purchase date.	1	\$ 50.00	\$0.00	\$50.00	\$ 50.00
8	Raptor	Raptor Student Tardy Passes Box	Raptor student tardy passes (4 rolls/1200 count, 300 badges per roll). Quality guaranteed for one (1) year after purchase date.	1	\$ 50.00	\$0.00	\$50.00	\$ 50.00
9	Raptor		Shipping and Handling Fee	1	\$ 36.00	\$ 36.00	\$0.00	\$ 36.00
10			TOTAL			\$ 2,026.00	\$ 100.00	\$ 2,126.00

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	DELL	PE_R640_TM	Power Edge R640	1	\$ 6,500.00	\$ 6,500.00	\$0.00	\$ 6,500.00

Order Code: PE_R640_TM



Option	Selection	SKU/Product Code	Quantity
PowerEdge R640	PowerEdge R640 Server	210-AKWU	1
Trusted Platform Module	No Trusted Platform Module	461-AAZD	1
Chassis Configuration	2.5" Chassis with up to 10 Hard Drives and 3PCIe slots	321-BCQL	1
Shipping Material	PowerEdge R640 x4 and x10 Drive Shipping Material	340-COPR	1
Regulatory	PowerEdge R640 CE, CCC, BIS Marking	389-DSVE	1
Processor	Intel® Xeon® Gold 6242R 3.1G, 20C/40T, 10.4GT/s, 35.75M Cache, Turbo, HT (205W) DDR4-2933	338-BVKL	1
Additional Processor	No Additional Processor	374-BBBX	1
Processor Thermal Configuration	Performance Heat Sink for 1 CPU	370-ADNM, 370-ADPF, 412-AAIP	1
Memory DIMM Type and Speed	3200MT/s RDIMMs	370-AEVR	1
Memory Configuration Type	Performance Optimized	370-AAIP	1
Memory Capacity	64GB RDIMM, 3200MT/s, Dual Rank	370-AEVP	1
RAID Configuration	C3, RAID 1 for 2 HDDs or SSDs (Matching Type/Speed/Capacity)	780-BCDN	1
RAID/Internal Storage Controllers	PERC H740P RAID Controller, 8GB NV Cache, MiniCard	405-AAAMS	1
Hard Drives	480GB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 2628 TBW	400-BCQG	2
Operating System	No Operating System	619-ABVR	1
OS Media Kits	No Media Required	421-5736	1
Embedded Systems Management	iDRAC9, Enterprise	385-B8KT	1
Group Manager	iDRAC Group Manager, Disabled	379-BCQY	1
Password	iDRAC, Factory Generated Password	379-BCSF	1
PCIe Riser	Riser Config 4, 2x16 LP	330-BBGY	1
Network Daughter Card	Intel X710 Dual Port 10GbE SFP+ & i350 Dual Port 1GbE, rNDC	555-BCKO	1
Optics & Cables for Network Cards	Dell Networking, Cable, SFP+ to SFP+, 10GbE, Copper Twinax	470-AAGR	2

Direct Attach Cable, 5 Meter

IDSMD and VFlash Card Reader	IDSMD and Combo Card Reader	385-BBLE	1			
Internal SD Module	2x 32GB microSDHC/SDXC Card	385-BBCF, 385-BBKH, 385-BBKH	1			
Internal Optical Drive	No Internal Optical Drive for 10 or 24 HDD Chassis	429-AAIQ	1			
Fans	8 Performance Fans for R640	384-BBQI	1			
Power Supply	Dual, Hot-plug, Redundant Power Supply (1+1), 750W	450-AJSC	1			
Power Cords	NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord, North America	450-AALV	2			
Bezel	Standard Bezel for x10 chassis	325-BCHH, 350-BBJT	1			
Quick Sync 2 (At-the-box mgmt)	No Quick Sync	350-BBKB	1			
BIOS and Advanced System Configuration Settings	Performance BIOS Setting	384-BBBL	1			
Advanced System Configurations	UEFI BIOS Boot Mode with GPT Partition	800-BBDM	1			
Rack Rails	ReadyRails™ Sliding Rails Without Cable Management Arm	770-BBBC	1			
System Documentation	No Systems Documentation, No OpenManage DVD Kit	631-AAACK	1			
Remote Consulting Services	Declined Remote Consulting Service	973-2426	1			
Dell Services: Hardware Support	3 Years Basic Hardware Warranty Repair: 5x10 HW-Only, 5x10 NBD Onsite	813-9254, 813-9255	1			
Deployment Services	No Installation	900-9997	1			
		QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
2		TOTAL		\$ 6,500.00	\$ -	\$ 6,500.00

Direct from Manufacture

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	Horizon Software Intl	19-27094	CZ Series 15" Sero Bezel w/ Intel i5 AIO Terminals 8GB, Wi-Fi & Bluetooth, Cat 5 Cables.	3	\$ 1,925.00	\$ 5,775.00	\$0.00	\$ 5,775.00
2	Horizon Software Intl	19-15705	Horizon USB Pin Pad w/ Tactiule Keyboard & 3 Year warranty (Replaced 16-15507)	3	\$ 295.00	\$ 885.00	\$0.00	\$ 885.00
3	Horizon Software Intl	19-223	Manual Cash Drawer - 5 Bill 8 Coin Large (3.94" x 15.2" x 18)	2	\$ 170.00	\$ 340.00	\$0.00	\$ 340.00
4	Horizon Software Intl	19-559	550 VA UPS	3	\$ 90.00	\$ 270.00	\$0.00	\$ 270.00
5	Horizon Software Intl		Hardware Discount	1	-\$ 497.00	\$ 497.00	\$0.00	\$ 497.00
6			Shipping	1	\$ 158.00	\$ 158.00	\$0.00	\$ 158.00
7			TOTAL			\$ 6,931.00	\$ -	\$ 6,931.00

Attachment #5

WESTSIDE ELEMENTARY SCHOOL
 250 Brandegee Avenue, Groton, CT 06340
 State Project # 059-0189N
 PHASE 4 OF 4
 DATE: 03/04/2021
 TECHNOLOGY EQUIPMENT ESTIMATE



BASE BID

	SYSTEM	ELIGIBLE	INELIGIBLE	TOTAL	PROCUREMENT
TE-01	LAN Network Switches	\$ 106,052.14	\$0.00	\$ 106,052.14	State DAS #18PSX0202
TE-02	Wireless Access Points	\$ 125,629.29	\$0.00	\$ 125,629.29	State DAS #18PSX0202
TE-03	Uninterrupted Power Supplies	\$ 31,658.24	\$0.00	\$ 31,658.24	Public Bid
TE-04	Display Monitors	\$ 44,148.00	\$0.00	\$ 44,148.00	State DAS #19PSX0015
TE-05	Charging Carts	\$ 52,470.00	\$0.00	\$ 52,470.00	Public Bid
TE-06	Visitor Management System	\$ 2,026.00	\$ 100.00	\$ 2,126.00	Direct from Manufacture
TE-07	Server	\$ 6,500.00	\$0.00	\$ 6,500.00	Public Bid
TE-08	Cafeteria POS System	\$ 6,931.00	\$0.00	\$ 6,931.00	Sole Source
TOTAL		\$ 375,414.67	\$ 100.00	\$ 375,514.67	

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	IMER #D007							
2	Cisco	C9200-48PXG-EDU	Cisco Catalyst 9200 Series 48 Port PoE+ w/8 multigigabit ports	8	\$ 3,952.39	\$ 31,619.08	\$0.00	\$ 31,619.08
3	Cisco	PWR-C6-1KWAC	Redundant Cisco 1000 Watt power supply	8	\$ 891.26	\$ 7,130.09	\$0.00	\$ 7,130.09
4	Cisco	CAB-C13-C14-2M	Cisco Power Cable Extension - C13 to C14 - 6.6 ft	16	\$ 29.22	\$ 467.59	\$0.00	\$ 467.59
5	Cisco	SFP-10G-SR-S	10 GbE Multimode transceiver	2	\$ 343.31	\$ 686.62	\$0.00	\$ 686.62
6	Cisco	SFP-10G-ER-S	Cisco SFP-10G-LR 40km Single Mode transceiver	1	\$ 1,946.73	\$ 1,946.73	\$0.00	\$ 1,946.73
7	Cisco	C9200-NM-4x	1/10G 4x SFP-Module	3	\$ 943.29	\$ 2,829.87	\$0.00	\$ 2,829.87
8	Cisco	C9200-STACK-KIT	Cisco 9200 Stacking Kit consists of 2x adapters and 2x 50cm cables	8	\$ 618.93	\$ 4,951.47	\$0.00	\$ 4,951.47
9	Cisco	STACK T4-3M	Cisco 9200 Stacking cable 3m	1	\$ 141.49	\$ 141.49	\$0.00	\$ 141.49
10	Cisco	CON-SNT-C92008EU	3 year SmartNet Total Care 8x5xNBD for Catalyst 9200 48-port 8xmGig PoE+ K12	8	\$ -	\$ -	\$0.00	\$ -
11	Cisco	C9200-NW-A-48	C9200 Network Advantage, 48-port license	8	\$ -	\$ -	\$0.00	\$ -
12	Cisco	C9200-DNA-A-48	C9200 Cisco DNA Advantage, 48-port term license	8	\$ -	\$ -	\$0.00	\$ -
13	Cisco	C9200-DNA-A-48-3Y	C9200 Cisco DNA Advantage, 48-port 3 year license	8	\$ 1,778.10	\$ 14,224.83	\$0.00	\$ 14,224.83
14	Specify		6' Lengths - Category 6 Network Patch Cable RJ-45 Male to RJ-45 Male - Color Blue.	186	\$ 4.00	\$ 744.00	\$0.00	\$ 744.00
15	Specify		10' Lengths - Category 6 Network Patch Cable RJ-45 Male to RJ-45 Male - Color Blue.	186	\$ 5.00	\$ 930.00	\$0.00	\$ 930.00
16	Specify		15' Lengths - Category 6 Network Patch Cable RJ-45 Male to RJ-45 Male - Color Blue.	12	\$ 6.00	\$ 72.00	\$0.00	\$ 72.00
17	IDF #D104C							
18	Cisco	C9200-48PXG-EDU	Cisco Catalyst 9200 Series 48 Port PoE+ w/8 multigigabit ports	5	\$ 3,952.39	\$ 19,761.93	\$0.00	\$ 19,761.93
19	Cisco	PWR-C6-1KWAC	Redundant Cisco 1000 Watt power supply	5	\$ 891.26	\$ 4,456.31	\$0.00	\$ 4,456.31
20	Cisco	CAB-C13-C14-2M	Cisco Power Cable Extension - C13 to C14 - 6.6 ft	10	\$ 29.22	\$ 292.25	\$0.00	\$ 292.25
21	Cisco	SFP-10G-SR-S	10 GbE Multimode transceiver	2	\$ 343.31	\$ 686.62	\$0.00	\$ 686.62
22	Cisco	C9200-NM-4x	1/10G 4x SFP-Module	2	\$ 943.29	\$ 1,886.58	\$0.00	\$ 1,886.58
23	Cisco	C9200-STACK-KIT	Cisco 9200 Stacking Kit consists of 2x adapters and 2x 50cm cables	5	\$ 618.93	\$ 3,094.67	\$0.00	\$ 3,094.67
24	Cisco	STACK T4-3M	Cisco 9200 Stacking cable 3m	1	\$ 141.49	\$ 141.49	\$0.00	\$ 141.49
25	Cisco	CON-SNT-C92008EU	3 year SmartNet Total Care 8x5xNBD for Catalyst 9200 48-port 8xmGig PoE+ K12	5	\$ -	\$ -	\$0.00	\$ -
26	Cisco	C9200-NW-E-48	C9200 Network Essentials, 48-port license	5	\$ -	\$ -	\$0.00	\$ -
27	Cisco	C9200-DNA-E-48	C9200 Cisco DNA Essentials, 48-Port Term Licenses	5	\$ -	\$ -	\$0.00	\$ -
28	Cisco	C9200-DNA-A-48-3Y	C9200 Cisco DNA Essentials, 48-port - 3 Year Term License	5	\$ 1,778.10	\$ 8,890.52	\$0.00	\$ 8,890.52
29	Specify		6' Lengths - Category 6 Network Patch Cable RJ-45 Male to RJ-45 Male - Color Blue.	114	\$ 4.00	\$ 456.00	\$0.00	\$ 456.00
30	Specify		10' Lengths - Category 6 Network Patch Cable RJ-45 Male to RJ-45 Male - Color Blue.	114	\$ 5.00	\$ 570.00	\$0.00	\$ 570.00
31	Specify		15' Lengths - Category 6 Network Patch Cable RJ-45 Male to RJ-45 Male - Color Blue.	12	\$ 6.00	\$ 72.00	\$0.00	\$ 72.00
32				TOTAL		\$ 106,052.14	\$0.00	\$ 106,052.14

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	Cisco	Cisco c9130axi-b-EDU	Cisco C9130AXI-B WiFi 6 Certified Access Point -Wi-Fi 6 Certified. 802.11ax -Up to 4 Radios - 5GHz flexible radio (single 8x8 or dual 4x4), 2.4GHz (4x4) -Uplink/Downlink OFDMA -Uplink/Downlink MU-MIMO -Flexible Radio Assignment -MultiGigabit Ethernet Support - Minimum Controller Software 8, 10 -Internal omni antennas - 2.4Ghz 4dBi / 5Ghz 6dBi	61	\$ 938.58	\$ 57,253.13	\$0.00	\$ 57,253.13
2	Cisco	EDU-C9800-40-K9	Cisco Wireless Network Controller	1	\$ 17,922.51	\$ 17,922.51	\$0.00	\$ 17,922.51
3	Cisco	C9800-AC-750W-R=	Redundant Cisco 750 Watt power supply	1	\$ 471.18	\$ 471.18	\$0.00	\$ 471.18
4	Cisco	CAB-C13-C14-2M	Cisco Power Cable Extension - C13 to C14 - 6.6 ft	2	\$ 29.22	\$ 58.45	\$0.00	\$ 58.45
5	Cisco	SFP-H10GB-ACU7M	Cisco 10GB SFP+ Active Twinax cable	4	\$ 185.30	\$ 741.21	\$0.00	\$ 741.21
6	Cisco	CON-3SNT-C913BIXI	3YR SmartNet TotalCare 8x5xNBD for Catalyst 9130ax series	61	\$ 35.37	\$ 2,157.70	\$0.00	\$ 2,157.70
7	Cisco	CON-3SNT-C98004kA	3YR SmartNet TotalCare 8x5xNBD for Catalyst 9800-40 wireless controller	1	\$ 75.35	\$ 75.35	\$0.00	\$ 75.35
8	Cisco	DNA-A-PROMO-3Y	3YR Cisco Digital Network Architecture EDU Advantage Wireless License	61	\$ 165.08	\$ 10,069.76	\$0.00	\$ 10,069.76
9	Oberon	1015-1313-C	Interior Wall Secure enclosure - In Gymnasium, 13 in. Hi-Bar™ Plastic	4	\$ 220.00	\$ 880.00	\$0.00	\$ 880.00
10			Wi-Fi Access Point Lock Box with Translucent Door	1	\$ 4,000.00	\$ 4,000.00	\$0.00	\$ 4,000.00
11			Predictive Heat Map - Creation and deliverable	1	\$ 4,000.00	\$ 4,000.00	\$0.00	\$ 4,000.00
12			Active Heat Map - Creation and deliverable	1	\$ 28,000.00	\$ 28,000.00	\$0.00	\$ 28,000.00
13			<i>Installation & Configuration Services for all above</i>	TOTAL	\$	\$ 125,629.29	\$0.00	\$ 125,629.29

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	APC	SRT5KRMXL T-5KTF	APC Smart-UPS SRT 5000VA RM 208V to 120V 2U Step-Down Transformer	5	\$ 4,045.80	\$ 20,229.02	\$0.00	\$ 20,229.02
2	APC	SRTK2	APC Smart-UPS SRT 19" Rail Kit for Smart-UPS SRT 5/6/8/10kVA	5	\$ 137.84	\$ 689.22	\$0.00	\$ 689.22
3	APC	AP9630	UPS Network Management Card 2 - Remote monitoring and control of an individual UPS.	2	\$ 239.00	\$ 478.00	\$0.00	\$ 478.00
4	APC	AP9631	UPS Network Management Card with PowerChute Network Shutdown & Env Monitoring	3	\$ 439.00	\$ 1,317.00	\$0.00	\$ 1,317.00
5	APC	AP9335TH	Temperature & Humidity Sensor	2	\$ 160.00	\$ 320.00	\$0.00	\$ 320.00
6	APC	AP9571A	PDU - 208V, 1 RU - - (1 per UPS for this Switch Stack)	5	\$ 225.00	\$ 1,125.00	\$0.00	\$ 1,125.00
7			<i>Installation & Configuration Services for all above</i>	1	\$ 7,500.00	\$ 7,500.00	\$0.00	\$ 7,500.00
8			TOTAL		\$ 31,658.24	\$ 31,658.24	\$0.00	\$ 31,658.24

BASE BID

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	Samsung	QE55T	Monitor - 55" Display	6	\$ 1,100.00	\$6,600.00	\$0.00	\$6,600.00
2	Samsung	QE65T	Monitor - 65" Display	4	\$ 1,250.00	\$5,000.00	\$0.00	\$5,000.00
3	Samsung	QE70T	Monitor - 70" Display	1	\$ 1,700.00	\$1,700.00	\$0.00	\$1,700.00
4	Samsung	QM85N	Monitor - 85" Display	1	\$ 7,100.00	\$7,100.00	\$0.00	\$7,100.00
5	Samsung	MagiInfo Lite	Remote Management	1	\$ 120.00	\$120.00	\$0.00	\$120.00
6	HP	Chromebox G2	HP Chromebox G2 w/Intel Core i7-8650U or higher	12	\$ 375.00	\$4,500.00	\$0.00	\$4,500.00
7	Specify	Specify	HDMI Cable between Chromebox and Monitor	12	\$ 12.00	\$144.00	\$0.00	\$144.00
8	Chief	XTM1U	Wall Mount for Monitors	12	\$ 650.00	\$7,800.00	\$0.00	\$7,800.00
9	Oevey	MMM-001	Mini PC Mount - Mount Chromebox to monitors - OR approved Alternate	12	\$ 32.00	\$384.00	\$0.00	\$384.00
10	As Required	As Required	Installation of Above	12	\$ 900.00	\$10,800.00	\$0.00	\$10,800.00
11				TOTAL		\$ 44,148.00	\$ -	\$ 44,148.00

Public BID

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	Lock n Charge	10203	Revolution™ 32 Charging Cabinet	22	\$2,385.00	\$52,470.00	\$0.00	\$52,470.00
2				TOTAL		\$ 52,470.00	\$ -	\$ 52,470.00

TE-06 Visitor Management System

Direct from Manufacture

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	Raptor	Raptor Visitor Management	Raptor Visitor Management - Software Access Fee (per site license). Renewal fee is due on the anniversary month of purchase. Raptor technical support is included	1	\$ 595.00	\$ 595.00	\$0.00	\$ 595.00
2	Raptor	CR5400 ID Scanner	ID scanner for state issued identification cards -- 2 year limited warranty.	1	\$ 495.00	\$ 495.00	\$0.00	\$ 495.00
3	Raptor	As Required	Implementation Fee	1	\$ 350.00	\$ 350.00	\$0.00	\$ 350.00
4	Raptor	RaptorLink Writeback (PowerSchool)	Annual Software Access Fee (per Visitor Management subscription). Enables the sync of daily student tardy data collected by Raptor into PowerSchool.	1	\$ 225.00	\$ 225.00	\$0.00	\$ 225.00
5	Raptor	Dymo 450	Twin Turbo Label Printer - Badge printer for dual printing-- 2 year limited warranty.	1	\$ 200.00	\$ 200.00	\$0.00	\$ 200.00
6	Raptor	Remote Setup	Remote web- and phone-based setup (per location).	1	\$ 125.00	\$ 125.00	\$0.00	\$ 125.00
7	Raptor	Raptor Visitor Badges (White) Box	Raptor visitor badges (4 rolls/300 badges per roll). Quality guaranteed for one (1) year after purchase date.	1	\$ 50.00	\$0.00	\$50.00	\$ 50.00
8	Raptor	Raptor Student Tardy Passes Box	Raptor student tardy passes (4 rolls/1200 count, 300 badges per roll). Quality guaranteed for one (1) year after purchase date.	1	\$ 50.00	\$0.00	\$50.00	\$ 50.00
9	Raptor		Shipping and Handling Fee	1	\$ 36.00	\$ 36.00	\$0.00	\$ 36.00
10			TOTAL			\$ 2,026.00	\$ 100.00	\$ 2,126.00

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	DELL	PE_R640_TM	Power Edge R640	1	\$ 6,500.00	\$ 6,500.00	\$0.00	\$ 6,500.00

Order Code: PE_R640_TM



Option	Selection	SKU/Product Code	Quantity
PowerEdge R640	PowerEdge R640 Server	210-AKWU	1
Trusted Platform Module	No Trusted Platform Module	461-AADZ	1
Chassis Configuration	2.5" Chassis with up to 10 Hard Drives and 3PCIe slots	321-BCQL	1
Shipping Material	PowerEdge R640 x4 and x10 Drive Shipping Material	340-COPR	1
Regulatory	PowerEdge R640 CE, CCC, BIS Marking	389-DSVE	1
Processor	Intel® Xeon® Gold 6242R 3.1G, 20C/40T, 10.4GT/s, 35.75M Cache, Turbo, HT (205W) DDR4-2933	338-BVKL	1
Additional Processor	No Additional Processor	374-B8BX	1
Processor Thermal Configuration	Performance Heat Sink for 1 CPU	370-ADNM, 370-ADPF, 412-AAIP	1
Memory DIMM Type and Speed	3200MT/s RDIMMs	370-AEVR	1
Memory Configuration Type	Performance Optimized	370-AAIP	1
Memory Capacity	64GB RDIMM, 3200MT/s, Dual Rank	370-AEVP	1
RAID Configuration	C3, RAID 1 for 2 HDDs or SSDs (Matching Type/Speed/Capacity)	780-BCDN	1
RAID/Internal Storage Controllers	PERC H740P RAID Controller, 8GB NV Cache, MiniCard	405-AAMS	1
Hard Drives	480GB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 2628 TBW	400-BCQG	2
Operating System	No Operating System	619-ABVR	1
OS Media Kits	No Media Required	421-5736	1
Embedded Systems Management	iDRAC9,Enterprise	385-BBKT	1
Group Manager	iDRAC Group Manager, Disabled	379-BCQY	1
Password	iDRAC,Factory Generated Password	379-BCSF	1
PCIe Riser	Riser Config 4, 2x16 LP	330-BBGY	1
Network Daughter Card	Intel X710 Dual Port 10GbE SFP+ & i350 Dual Port 1GbE, rNDC	555-BCKO	1
Optics & Cables for Network Cards	Dell Networking, Cable, SFP+ to SFP+, 10GbE, Copper Twinax Direct Attach Cable, 5 Meter	470-AAGR	2

IDSDM and VFlash Card Reader	IDSDM and Combo Card Reader	385-BBLE	1			
Internal SD Module	2x 32GB microSDHC/SDXC Card	385-BBCF, 385-BBKH, 385-BBKH	1			
Internal Optical Drive	No Internal Optical Drive for 10 or 24 HDD Chassis	429-AAIQ	1			
Fans	8 Performance Fans for R640	384-BBQI	1			
Power Supply	Dual, Hot-plug, Redundant Power Supply (1+1), 750W	450-AJSC	1			
Power Cords	NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord, North America	450-AALV	2			
Bezel	Standard Bezel for x10 chassis	325-BCHH, 350-BBJT	1			
Quick Sync 2 (At-the-box mgmt)	No Quick Sync	350-BBKB	1			
BIOS and Advanced System Configuration Settings	Performance BIOS Setting	384-BBBL	1			
Advanced System Configurations	UEFI BIOS Boot Mode with GPT Partition	800-B8DM	1			
Rack Rails	ReadyRails™ Sliding Rails Without Cable Management Arm	770-BBBC	1			
System Documentation	No Systems Documentation, No OpenManage DVD Kit	631-AAACK	1			
Remote Consulting Services	Declined Remote Consulting Service	973-2426	1			
Dell Services: Hardware Support	3 Years Basic Hardware Warranty Repair: 5x10 HW-Only, 5x10 NBD Onsite	813-9254, 813-9255	1			
Deployment Services	No Installation	900-9997	1			
2		QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
		TOTAL		\$ 6,500.00	\$ -	\$ 6,500.00

Direct from Manufacture

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY	UNIT PRICE	ELIGIBLE	INELIGIBLE	TOTAL
1	Horizon Software Intl	19-27094	CZ Series 15" Sero Bezelw Intel i5 AIO Terminals 8GB, Wi-Fi & Bluetooth, Cat 5 Cables.	3	\$ 1,925.00	\$ 5,775.00	\$0.00	\$ 5,775.00
2	Horizon Software Intl	19-15705	Horizon USB Pin Pad w/Tactiule Keyboard & 3 Year warranty (Replaced 16-15507)	3	\$ 295.00	\$ 885.00	\$0.00	\$ 885.00
3	Horizon Software Intl	19-223	Manual Cash Drawer - 5 Bill 8 Coin Large (3.94" x 15.2" x 18)	2	\$ 170.00	\$ 340.00	\$0.00	\$ 340.00

Groton Public Schools
DOD Supplemental Impact Aid
As of 02/11/2021

	Actual	Actual	Estimated	Budget	
	FY2019	FY2020	FY2021	FY2022	Comments

Beginning Balance	943,228.92	1,020,484.84	1,112,084.69	1,327,036.02	
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Amount Received	275,815.29	387,334.53	461,185.39	260,000.00	estimated
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Expenditures

IT

Chromebooks	(130,755.00)	(295,734.68)	(16,400.00)	0.00	
Software	0.00	0.00	(173,834.06)	(324,436.00)	Charge operational software costs
Projection Devices	(10,500.00)	0.00	0.00	0.00	
IT Equipment	(36,738.37)	0.00	0.00	(262,600.00)	Instructional equip per IT budget

Other

CABE Dues	(20,566.00)	0.00	0.00	0.00	
Tennis Court overage	0.00	0.00	(56,000.00)	0.00	

Total Expenditures	(198,559.37)	(295,734.68)	(246,234.06)	(587,036.00)	
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Ending Balance	1,020,484.84	1,112,084.69	1,327,036.02	1,000,000.00	
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Target balance 1,000,000 1,000,000 1,000,000 1,000,000