

March 29, 2024

Ms. Nina Pappacostas
Project Coordinator
Massachusetts School Building Authority
40 Broad Street, Suite 500
Boston MA 02109

**Subject: East Longmeadow High School
East Longmeadow Public Schools
Design Development Submission -
DD6.1-01a - Design Coordination Review & Recommendations**

Dear Ms. Pappacostas:

Included herewith please find our detailed comments from our review of the Detailed Design submission for the East Longmeadow High School Project as required by the MSBA, **(DD6.01-01a)**. In general, we have found the documents to be appropriate for the 100% Design Development level. We have also shared our below comments with Jones Whitset Architects and SMMA for their consideration during the continued development of the construction documents:

I. Technical Accuracy, Coordination & Clarity:

- a. The Structural Drawings clearly indicate structural steel framing member sizing and sizes of concrete foundation elements. The structural drawings also include grid line dimensions and specific dimensions of structural elements. We recommend confirmation concerning coordination between the completed structural drawings, identifying dimensions, with that of the completed architectural drawings.
- b. We recommend coordination occur between MEP and structural disciplines to ensure that there are no conflicts between the under-slab pipe inverts and structural foundation elements. As discussed by the team, the Construction Manager will be urged to perform clash detection after the 60% complete CD submission to confirm the coordination.
- c. The Architectural Drawings are well advanced with rooms laid out and identified. They convey the intent of the design and meet the expected DD level as would be appropriate at this stage. Details need to be advanced in the 60% CD submission.
- d. The HVAC, Fire Protection, Electrical and Plumbing Drawings (MEP's) are well advanced and beyond typical DD level documents. These drawings include layout, sizing and equipment schedules. We also recommend that clash detection be done at the 60% CD level to identify any conflicts with architectural or structural elements.

II. Efficiency, & Cost Effectiveness:

- a. The East Longmeadow High School appears to be laid out with efficiency in mind regarding the flow of students between rooms in each wing. The positioning of the Gymnasium, Kitchen and Cafeteria minimizes noise impact on the classrooms.
- b. The use of natural lighting is abundant through the building with the many windows identified.
- c. Materials and equipment choices align well with the District's goal of an utilitarian design. Mostly, the specified finishes are reliable, functional, and affordable.
- d. The position of the new building immediately adjacent to the old school maximizes the lot size to still support the many athletic fields required.

- e. South facing windows will have shade shades installed above each window to lower the solar heating effect.

III. Operability:

- a. The Town of East Longmeadow, the School Department, the Design Team and Skanska have extensively reviewed the drawings and specifications to ensure that the building can be operated by existing school maintenance personnel.
- b. The Town of East Longmeadow and the School Department's design standards and preferred systems have been incorporated into the design. The team has identified and gained approval for certain proprietary items/systems such as:
 - Building Management System
 - Door Access System
 - Security Cameras
 - Video Surveillance
 - Clocks/Paging System
- c. The team has studied traffic patterns in the area and has incorporated the required modifications into the plans.

IV. Constructability:

- a. The project is being designed to the Massachusetts State Building Code, 10th Edition and all reference standards, Massachusetts Stretch Energy Code, Massachusetts Architectural Access Board (MAAB) and the Americans with Disabilities Act (ADA).
- b. The existing high school, which is adjacent to the proposed site for the new school, will remain in operation during construction of the new school. This presents logistical challenges which the team is planning for.
- c. The design is well thought out and there do not appear to be any obvious constructability issues.
- d. There do not appear to be any elements of the design that are out of the ordinary, or that will provide significant challenges for the team.
- e. Access and maneuverability of heavy construction equipment around the job site has been carefully planned due to the proximity of the existing school building.
- f. This new high school building will be constructed to LEEDv4 standards to achieve LEED Silver Certification.

V. Phasing:

- a. Early packages will be utilized to allow work to commence prior to the completion of the full bid set.
- b. An early enabling package will be bid in May 2024. This will allow the CM to establish erosion controls, site fencing, and utility enabling during the school's summer break.
- c. As previously mentioned, the existing high school will need to stay in operation while the new school is under construction. The team has carefully planned for this and has incorporated detailed phasing and logistics plans into the overall schedule.

VI. Bid Ability:

- a. The team is currently working to establish a qualified list of subcontractors to maximize the bidder interest and meet the DBE hiring requirements. The team needs to maximize subcontractor coverage and ensure competitive pricing.
- b. The team continues working diligently to contain building costs. We have identified several Value Management incentives that are being held in abeyance for future savings.
- c. The team has incorporated lessons learned from previous construction projects to tighten up any potential issues with the bid documents.
- d. The Project Team is optimistic that the bid climate in Western Massachusetts will be good in the summer/fall of 2024 when this project will be bid.

- e. The Construction Manager has built excellent relationships with area subcontractors from their past projects. The Construction Manager has been diligent in its efforts of reaching out to subcontractors and their “word of mouth” advertisement of the project. Given the current bidding climate of the Western Massachusetts area and the CM’s solid relationships with qualified subcontractors, our team is expecting great bid coverage when the time comes.

VII. Site Access During Construction

- a. The Construction Manager (Fontaine Brothers) has prepared logistics plans that identify how the site will be accessed during construction.
- b. The CM’s logistics plan was developed in close partnership with the school’s administrators. It provides access to the construction site in a safe manner without disturbing the day-to-day processes of the existing school.
- c. The team has been in contact with the abutters and the general public at large, keeping everyone abreast of the new building’s construction progress.

Skanska’s 100% DD review comments are included hereafter.

Should you have any questions regarding the above, please feel free to contact us at your earliest convenience.

Sincerely,

John M Benzinger

John Benzinger
Program Executive
SKANSKA BUILDING USA

OPM Design Review Comments (100% DD)

Structural:

- Confirm the structural steel "X" bracing fits within the finished drywall partitions.
- Is the specified metal floor decking perforated with small holes? If so, this is to be clearly identified/noted because rain water between the top side of the steel beam and bottom of the decking prevents the welding installation of the shear studs.
- Structural steel lintels to support masonry work need to be accurately located/dimensioned on the drawings to avoid conflicts in the field.
- Identify if the structural steel framing members, scheduled to receive spray-on fireproofing, are to be sand blasted and prime painted or left with the mill finish. Certain spray-on fire proofing materials are not compatible with primer paints.

Architectural Finishes, Roof:

- The Specifications identify a 20-year warranty period for the roof membrane. Is this sufficient?
- Clearly note to stagger the joints between sheets of the rigid insulation at the roof in accordance with the manufacturer's requirements.
- The Specifications identify rubber treads and landings but there is no mention of the finish for the risers.
- The Specifications identify the use of cement backer board for tile finished walls. Recommend changing this to DensGlass for improved adherence and workability.
- Hollow metal door frames, as well as borrowed light frames, are to be 100% welded at the miter joints. and not just face welded.
- Exterior hollow metal door frames are to be galvanized.
- Exterior hollow metal door frames are to include proper weather gasket.
- Confirm the structural steel "X" bracing fits inside the finished drywall partitions.
- Specification of high-end wall finishes is not advised. When surfaces need to be repaired or repainted in the future, these finishes are difficult to match.

Electrical:

- Note in the Specifications, when transitioning from underground PVC conduit to metal conduit, which is turned up through the concrete floor slab on grade, to add corrosion protection on the exposed metal threads of the elbow fitting.

Fire Suppression:

- With the construction of the new high school building very close to the existing building, has installation of the new building's Fire Protection System - water supply "Loop System" been taken into account?

Plumbing:

- The Specifications do not identify "Pro-Press" fittings to be acceptable on the domestic hot and cold water copper systems. Consider this quicker, and easier, joining process for copper pipes.

HVAC:

- Are there any return-air plenums in the Building?
- Are the VAV Boxes to be individually tied-back to the structural steel framing above?
- Note all refrigerant piping to be insulated, even those located in duct riser shafts.
- Specify the HVAC ductwork contractor is responsible to supply and install their own duct work supports on the roof.

Number	Document	Dated	Discipline	Item Description	Author	A/E Response	Owner/OPM Comment	Cost Impact	Checked	Date	Status
1	Spec - Page 1	3/29/23	Tile	If the Terrazzo treads are prefabricated treads, can they be added to the Tile Trade Sub Bid package?	DDJ/FBI	To be reviewed during 60% CDs.					
2	Spec - Page 1	3/29/23	Tile	We will need a Below Grade Waterproofing and an Above Grade waterproofing trade bid package.	DDJ/FBI	To be reviewed during 60% CDs.					
3	Spec - Page 4 1030.50 & 018113.14	3/29/23	LEED	Suggest that building flushout not be included as a LEED point. The current schedule may not leave sufficient time for a full flush. In addition, the demo and site work will be ongoing next to the new building. These activities will generate dust and may impact flushout. In addition, full building flushout requires a significant power draw.	DDJ/FBI	To be reviewed during 60% CDs.					
4	Spec Page B-2 B1010.90	3/29/23	Steel	Special attention is required when detailing Fire-tol columns to be sure to account for any connections.	DDJ/FBI	To be reviewed during 60% CDs.					
5	Spec C1010.10	3/29/23	Drywall	Should wall board behind tile in corridors be tile backer board	DDJ/FBI	Yes. All tile should be installed on 1/2" cementitious backer board					
6	Spec C1010.10	3/29/23	Drywall	Suggest providing a detail for partitions that shows acoustical caulk both sides of the wall. Some STC assemblies indicate caulk on only one side.	DDJ/FBI	Details of partition wall connection at deck will be added in the next round and STC ratings at different wall assemblies will be noted.					
7	Spec C1070.50	3/29/23	Acoustical Ceilings	Ceiling is difficult to disassemble. Consider adding an access panel detail (from the manufacturer?) for access to dampers and valves.	DDJ/FBI	To be reviewed during 60% CDs.					
8	C1090	3/29/23	Steel	We suggest putting the structure for catwalk in the structural steel package and the plate/stairs/railings in the misc metals package. We've had success buying the packages this way as it allows the heavy members to be installed with the crane before the roof deck is installed.	DDJ/FBI	No objections from structural engineer. To be coordinated with theatrical and other consultants ensuring geometry is ready for Early Package.					
9		3/29/23	Auditorium	Consider providing plywood in lieu of drywall or under drywall for auditorium where plan and acoustical panels are installed.	DDJ/FBI	Yes, this will be incorporated during 60% CDs.					
10	C2030	3/29/23	Painting	Consider adding color to concrete floor sealer instead of clear	DDJ/FBI	To be reviewed during 60% CDs.					
11	C2030.20	3/29/23		Include self leveler at all large formal tile areas. Include self leveler at terrazzo stair landing locations if Terrazzo tile is used on landings	DDJ/FBI	To be reviewed during 60% CDs.					
12	C2030.50	3/29/23		Include a detail for a movement joint at slab on grade control joints in resilient floor (similar to Schluter Dilex EKSB)	DDJ/FBI	To be reviewed during 60% CDs.					
13	D5030.50	3/29/23	Elec	Review IT spaces with Town IT - They may want to eliminate Occupany Sensor Outlets in their work spaces as they often have multiple computers that need continuous powers.	DDJ/FBI	To be reviewed with town in next round. The "computer" receptacles that require uninterrupted operation can be justified as allowed to be wired directly to power panels, or they can be wired via a school time-programmable control system.					
14	D5040.50	3/29/23	Elec/Tile	Downlights washing the tile walls sometimes adds shadows to the tile, especially when tile is longer. This can highlight imperfections in the tile.	DDJ/FBI	To be reviewed during 60% CDs.					
15		3/29/23	Elec	Assumption is that the tennis court lights will be relocated by the electrical contractor. Be sure the spec calls for a new precast mast for the musco poles. The existing mast is encased in concrete and cannot be salvaged.	DDJ/FBI	This is already included in scope, please see note 22 on Dwg ES101.					
16	D6020.10	3/29/23	Elec	Spec calls for the existing fiber to be intercepted and rerouted overhead. If the temp routing is still from the rail trail, this will need to be routed underground during construction. Any overhead wires through the construction site could be a risk to the school's network.	DDJ/FBI	SMMA has revised the BOD description of this work to be rerouted in a new underground duct bank to maintain network connectivity in the existing building through construction. The next issuance of the Electrical Site Plans will show this update.					
17		3/29/23	Elec	Provide a door contact at the smoke hatches in the auditorium to the security system so staff is alerted when hatches are open.	DDJ/FBI	To be reviewed during 60% CDs.					
18	E1040	3/29/23	HVAC	We were required to provide a fire rated enclosure for fume hood ductwork from the fume hood to the roof level. Review and include fire rated enclosure if required by code for this project.	DDJ/FBI	To be reviewed during 60% CDs.					
19	Z1050.30	3/29/23		Scaffold and cranes will be assigned to the trades.	DDJ/FBI	To be reviewed during 60% CDs.					
20	Z1050.50	3/29/23	HVAC	Merv 13 filters on existing building intakes - confirm HVAC engineer has reviewed the existing HVAC systems and confirmed that equipment can provide adequate ventilation with Merv 13 filters installed on all intakes. Same questions for new building during Demo. Should these be merv 8 filters?	DDJ/FBI	We would proposed construction filters are provided at all outdoor air intakes and that they are maintained on a regular basis during construction, with the frequency depending on the types of construction activities occurring. To be further coordinated in the next phase.					
21	Z7050.20	3/29/23		Confirm permit fees are waived by the Town	DDJ/FBI	To be reviewed during 60% CDs.					
22	G200	3/5/24	Arch	C1H, C2H, C4H - Consider plywood on wall to receive Plam and Acoustic wall panels. For an entire wall covered in panels, the blocking becomes signficiant and there could be a labor savings to just cover wall in plwyood.	DDJ/FBI	This seems like a good suggestion. Detail at acoustic wall panels to be added during 60% CDs.					
23	G200	3/5/24	Arch	Where is STC rating noted? Can it be included with wall type on dwg G200. Do all wall assemblies on drawing G200 meet STC rating requirements?	DDJ/FBI	To be incorporated during 60% CDs.					
24	G200	3/5/24	Arch	Include general note on G200 (or other drawing) stating that all walls extend to deck if that is a requirement for the project.	DDJ/FBI	A General Notes sheet will be included in 60% CDs.					
25		3/5/24	Arch	Should a guard rail be included at the roof level along the back of the school for safety between the two academic wings?	DDJ/FBI	We will review for 60% CDs.					

Number	Document	Dated	Discipline	Item Description	Author	A/E Response	Owner/OPM Comment	Cost Impact	Checked	Date	Status
26	G066	3/5/24	Arch	Detail C8 - Confirm parapet is high enough to provide manufacturer's minimum parapet height above tapered insulation. Location and tie between different layers of AVB is unclear. Does roof AVB wrap up and over parapet wall before blocking and tie into wall AVB? can roof or wall AVB wrap over a metal stud or is blocking required? Where do roofing and wall AVB tie together? What covers bottom of blocking behind the metal fascia? Who provides cover?	DDJ/FBI	Parapet heights varied. We will look into some specific conditions where the tapered insulation is too high and adjust parapets accordingly. We will clarify the AVB connections on Details for 60%.					
27	G067	3/5/24	Arch	Does AVB and slab vapor retarder tie to sill plate gasket? Is sill plate gasket included in drywall spec? Any compatability issues?	DDJ/FBI	Yes, it should be under the metal stud 054000. These details and specs will be worked out for 60% CDs.					
28	A101.1	3/5/24	Arch	E108 - Be sure fire rated walls are shown to continue around full perimeter of elec room and emergency elec room.	DDJ/FBI	This has been corrected					
29	A101.1	3/5/24	Arch	Wall types are not all tagged correctly. Walls in the corridor are tagged as C6 and G6A but there is wall tile on one side of the wall.	DDJ/FBI	Wall types are correct as the tile is wainscot. A detail for this condition will be provided as part of the next submission.					
30	A101.1	3/5/24	Arch	Some columns are exposed such as in Dressing Room A100B. Show enclosure so spray fireproofing is not exposed.	DDJ/FBI	Corrected in most locations. Column enclosures to be coordinated further with structure in next submission.					
31	A101.1	3/5/24	Arch	All type in Chors (G10B) is not shown in wall schedule on G200. Same issue with wall type G6R2	DDJ/FBI	This has been corrected					
32	A101.1	3/5/24	Arch	Include call out for paper towel and soap dispensors at sinks in non-toilet room spaces such as Pre-K A109, Kitchenette A105G, Art, and Science Rooms.	DDJ/FBI	To be reviewed during 60% CDs.					
33	A101.1	3/5/24	Arch	Floor in Kiln room A117B should be sealed concrete. Confirm clearances around Kiln and locate Kiln in room. Coordinate with fireprotection to be sure heads are high heat heads and located away from Kiln.	DDJ/FBI	Floor is now showing sealed concrete. Additional detailing, coordination at Kiln Room to be included in next submission.					
34	A160.1	3/5/24	Arch	Opening in roof screen to access equipment should be large enough to bring tools, filters, replacement parts, etc into the roof screen to service equipment.	DDJ/FBI	Agreed. This will be addressed as part of the 60% CDs.					
35	A341	3/5/24	Arch	Review with the school to see if there should be a gate at the top of the Café seating area.	DDJ/FBI	Agreed. This will be addressed as part of the 60% CDs.					
36		3/5/24	Arch	Will there be a code plan with fire rating systems called out?	DDJ/FBI	There will be a Life Safety/Code Sheet as part of the next submission					
37	A2--	3/5/24	Arch	Suggest eliminating ceilings in IDF and MDF rooms.	DDJ/FBI	These ceilings have been removed.					
38	A313	3/5/24	Arch	Is the intent for exterior wall studs to carry from the foundation wall to the roof @ 32'-2" tall?	DDJ/FBI	Yes.					
39	A414	3/5/24	Arch	Is there a requirement to vent at ovens/cooktops in life skills rooms?	DDJ/FBI	Yes, there are exhaust fans at each of the cooktops in the life skills room. Additional specifications to be provided in the 60% CDs.					
40	A600	3/5/24	Arch	If there is an under counter solids interceptor in the Art Rooms, coordinate cabinet and drain height with interceptor. May need to eliminate drawer or base of cabinet to meet required elevation.	DDJ/FBI	There should be a solids interceptor at the main utility sink in each art rooms. This will be coordinated as part of the next submission.					
41		3/6/24	Plumbing/ Structural	Question on Elevator sumps and how they will be handled on this project. Likely the adjacent footings will need to be lowered to account for elevations.	DDJ/FBI	Elevator to be provided with sump pump which discharges to an oil sep. Dropped footing coordination to be included in the 60% CD's					
42	C-111	3/12/24	Civil	There are items called to be salvaged such as bleachers, trash cans, soccer goals, etc. Is there a new location for all of the salvaged items? Many of these are on the school side of the site and cannot be salvaged until existing school is out. Condition could change between now and completion of the project.	DDJ/FBI	Scope and locations for salvaged items to be further coordinated during 60% CD's					
43	A900		Arch	Concession area of concession building is not large enough for all of the activities that take place in this building. There is currently a center table and counter top plus counters along the back wall.	DDJ/FBI	Concession total area is limited by the space we have to work with. We will look to see if the space can be reconfigured.					
44	C102	3/20/24	Arch/Electrical/Mech	Consider eliminating ceilings in Electrical rooms to allow for gear feed clearance Show gear fed from below to avoid conflict with conduit to the gear. Consider eliminating any mechanical equipment / duct running through the space, except that which serves that space.	TR/FBI	Ceilings have been removed from electrical rooms. Additional coordination of mechanical equipment and duct pathways to be coordinated during 60% CDs.					
45		3/20/24	CxA	Recommend early coordination with CxA to determine specific testing requirements of equipment and which subcontractors to accommodate testing procedures. Proposed buying of MEP's at 90% set.	TR/FBI	To be reviewed during 60% CDs.					
46		3/20/24	Arch/Structural	Consider & locate depressed slab locations and provide details for Kitchen Equipment, large format floor tile, walk-off grilles.	TR/FBI	To be reviewed during 60% CDs.					
47		3/20/24	Arch/Structural	Consider locations of acoustical decking and avoiding mechanical roof pads for mechanical equipment.	TR/FBI	Acoustical decking extent has been minimized. Mechanical pads help with vibration/acoustics and allow for the elimination of steel beams under RTU curbs (and the coordination with unit sizes of those beam locations)					
48	M101.1	3/20/24	Mechanical	Will there be a requirement for exhaust in the Kiln room A113B. Not currently shown on Mech. drawings.	TR/FBI	The Kiln Room will require exhaust.					



OWNER: East Longmeadow Schools
 PROJECT: East Longmeadow High School
 OPM: Skanska
 ARCHITECT: JWA
 CM: FONTAINE BROS., INC.
 Schematic Design
 SD PHASE: REQUEST FOR INFORMATION
 REPORT ISSUE DATE: 3/12/2024

Item	Spec Ref	Drawing Ref	Attachment	Question	Date Sent	Answer	Answered By	Date Answered	Open / Closed
001				Please Clarify Ceiling material at perimeter of typical rooms, RCP calls out Acoustical Deck, but Structural drawings do not show Acoustical Deck. Is the intent for this to just be Exposed to view metal deck or a true Acoustical Floor/Roof Decking product?	3/13/2024	These perimeter locations are clarified in the final DD Set. Please see A139 for details.			
002				Please provide details or clarification of whats required for Wood Guardrails.	3/13/2024	SMMA Civil: For exterior wood guardrails, assume pressure treated wood and galvanized steel. Reference Detail G-4 on C-507.			
003		A101.2		Please clarify specification / requirements for Opening B108B, No information is provided	3/13/2024	To be reviewed in 60% CDs.			
004				Specifications do not agree with Appliance schedule/Drawings - Please clarify which should be followed	3/13/2024	Please clarify location of schedule/drawings referred to here.			
005		S103.2		Please Clarify sizing of Long span Joists listed only as 32LH. Should this also be assumed as 6psf?	3/14/2024	Sizing will be clarified in future sets. 6psf is the correct tonnage assumption.			
007		S201 / 2		Please Clarify Column C2.7-CJ, no size is listed	3/14/2024	HSS10x10x1/2			
008				Please clarify Diameter of pump station.	3/15/2024	SMMA: Pump station diameter designed to be 5', per Detail A8 on C-503. Design to be further developed with 60%/ Site Early Package CD's.			
009		A101.1		Please clarify what is required for a Kiln. A Kiln is noted as SE62 on documents, but the only mention of Kilns are for exhausts. Is a Kiln Required?	3/15/2024	Yes a kiln is required and is located in Room A117B. More specific information on the kiln in terms of clearances, etc. will be provided as part of the next submission.			
010	Civil			Please update/coordinate grinder pump detail on sheet C503 (elevations are all off) compared to project).	3/21/2024	N/A			
011	Civil			Should/can DI vent from pump station be run back to concession building (shorter run/less cost)? Also, please confirm the venting will be assigned to plumbing contractor's scope	3/21/2024	SMMA: DI vent was brought back to the school building with the intent of keeping odors away from the concessions building. If the vent pipe were to be connected to the concessions, an 18" tall vent pipe would need to be constructed out from the roof of the concessions building, which would run the risk of outputting an odor near pedestrian pipe. Further design considerations to place the vent in an away from foot traffic, with cost consideration in mind, can be taken and further developed with the 60%/Site Early Package CD's. Vent pipe scope to be coordinated with plumbing and confirmed with the 60%/Site Early Package CD's.			
012	Civil			Utility plan C141 shows 4" force main. Please confirm pipe size (seems high for one small building).	3/21/2024	SMMA: Pipe size will likely be 3". Pipe size to be confirmed with 60%/Site Early Package CD's			
013	Civil			Can force main be installed directly into SMH 1-9, thus eliminating SMH 1-10 (save cost).	3/21/2024	SMMA:SMH 1-10 is intended to split up the discharges from the force main and pool into two separate manholes. Design will be further evaluated with 60%/Site Early Package CD's.			
014	Civil			SMH 1-9 shows a 6" (PVC) pipe exiting the manhole, but a 12" (DI) pipe entering it from the pool, in addition to the 6" gravity/force main. Please confirm pipe size out of SMH 1-9 (and all other 6" main downstream).	3/21/2024	SMMA: Sanitary connection from pool will be 6" CI at SMH 1-9. The pipe flowing downstream from SMH 1-10 will be 6" PVC. Sewer line will run at 6" PVC until reaching SMH 1-4, where the line running to Norden St will be 8" PVC			
015	Civil			Please confirm that sanitary out of pool needs to be DI. All other sanitary services from (main) building are PVC	3/21/2024	SMMA: All pipe runs out of the building for the first 10' will be CI, and constructed by the plumbing contractor. After the 10' CI runs, the pipe connections will be PVC and taken care of by the site contractor			
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March 29, 2024

Ms. Nina Pappacostas
Project Coordinator
Massachusetts School Building Authority
40 Broad Street, Suite 500
Boston MA 02109

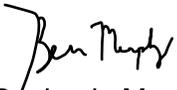
**Subject: East Longmeadow High School
East Longmeadow Public Schools
Design Development Submission -
Coordination of Commissioning Agent's Review**

Dear Ms. Pappacostas,

Skanska received FST's 100% Design Development review comments this week. Unfortunately, the design team did not have sufficient time to review FST's comments and respond prior to the submission date. JWA-SMMA will coordinate their team's collective response and include it with the District's response to MSBA's 100% DD review comments. We will forward the design team's response under separate cover if it becomes available sooner.

FST reviewed the 100% Design Development documents and provided comments focused on the mechanical, electrical, plumbing, and building enclosure drawings/specs. Those comments are included hereafter.

Best Regards,
Skanska USA



Benjamin Murphy
Program Manager



Design Review Comments - DD Cost Estimate Set

Project Name: East Longmeadow HS Renovation & Addition
HEA Reviewer: Brian Murray, Byron Ervin
Date Reviewed by FST-HEA: 3/22/2024

Item Number	Found By (Initials)	Location	Drawing Number	Issue / Impact	A/E Response
1	BM	DD Drawings	P501	Plumbing equipment diagram on drawing P501 shows two (2) circulating pumps, but these are not listed on the plumbing schedule on page P601.	
2	BM	DD Drawings	M501	Consider adding a detail diagram for dedicated outdoor air system (DOAS) units.	
3	BM	DD Drawings	M501	Consider adding a detail diagram for air handling units (AHU) and DOAS units.	
4	BM	DD Drawings	M501	Consider adding detail diagrams for cabinet unit heaters and unit heaters.	
5	BM	DD Drawings	Mechanical	Ceiling mounted fan coil units (FCU) may produce noise that is disruptive to students and faculty in classrooms/offices. Ensure that adequate sound attenuation is being provided to dampen unwanted motor and airflow noise.	
6	BE	DD Drawings	M101.5	No equipment or ductwork is currently shown for room E115.	
7	JF	DD Spec	D30-1	Large single zone spaces will need to be configured with CO2 sensors for demand control ventilation. To ensure that the outside air damper can be reduced to an almost closed position when there are low CO2 levels in the space. The sequence will need to reflect this, which will result in significant energy savings.	
8	JF	DD Drawings	Mechanical	Is perimeter heating being considered for any of the classrooms?	
9	JF	DD Drawings	M601	Note number 7 for the DOAS units mentions that some of the units will be configured with a heat pipe. Clarify which DOAS units will have the heat pipe.	
10	JF	DD Drawings	M701, 702 & 703	Control diagrams need to clearly identify what sensors are being provided by the controls contractor. And what sensors are being provided by the equipment manufacturer.	
11	JF	DD Spec	D30-5	DOAS Units: It is recommended that the DOAS units be configured with a re-circulation damper. This can be used at start-up to avoid freeze stat trips. And possibly be used if the units are to run during any unoccupied sequences of operation that may require heating / cooling. It is noted that the control diagram currently does show a re-circulation damper. A detailed diagram needs to be provided showing the damper. And it is to be noted in the mechanical schedule.	
12	JF	DD Spec	D30-6	Building Pressurization: The exact location of the building pressurization sensors needs to be provided by the design team (not to be left up to the installing contractors).	
13	JF	DD Spec	D50-7, D50-8	Lighting Control: It is recommended that the occupancy sensor be tied into the fan coil units that serve each room (where applicable). If the room is not being used during the normal school day for a period of time the unit can cycle off and maintain standby temperature set points.	
14	JF	DD Spec	D50-11	Photovoltaic System: Recommend that this system be monitored by the building automation system. Confirm what points can be monitored.	
15	JF	DD Spec	D50-12	The photovoltaic system will be required to be commissioned to meet the LEED requirements. Update this spec section(D5090 Commissioning) so that Photovoltaic is listed.	
16	JF	DD Spec	D20-3	Hot water re-circulation: The plumbing specification will need to provide the requirements associated with the domestic hot water re-circulation water balancing. Confirm that this will be in the scope of work for the testing, adjusting and balancing company that is also doing the ventilation system balancing.	
17	JF	DD Drawings	Mechanical	Thermostat / CO2 sensor locations need to be shown for all equipment. Ensure it is clear as to what equipment the thermostat is associated with. Verify that the thermostat will not be impacted by sunlight, office/classroom equipment heat, ventilation air or being located on / close to an outside wall.	
18	JF	DD Drawings	M101.1	Band / Chorus Rooms: Recommend that additional sound attenuation be provided for these areas as these types of learning environments can be impacted more by small amounts of noise from the ventilation systems.	
19	JF	DD Drawings	M601	Air Handling Units: The "minimum OA CFM" will need to be clarified. As the CFM values are very high quantities. Verify that the " minimum OA CFM" is the value that the outside air damper modulates to to mitigate CO2 levels in the space. The outside air damper would only go to a higher CFM value in economizer mode. If there are low CO2 levels in the space (typically due to an average amount of people in the room) then the outside air damper would modulate to an almost closed position (or to a specified value such as 5% of total airflow). For example, it is very inefficient and not necessary to bring in 8,600 cfm of outside air into the Auditorium during normal daily operation with normal CO2 levels.	
20	JF	DD Drawings	M701, 702 & 703	Detailed sequences of operation will need to be provided for all applicable equipment. Clearly identify if the sequence is to be thru the building automation controls contractor or if it will be internal controls by the equipment manufacturer.	



Item Number	Found By (Initials)	Location	Drawing Number	Issue / Impact	A/E Response
21	JF	DD Drawings	M701, 702 & 703	It is recommended that the DOAS and AHU variable frequency drives be used for actual energy savings purposes (and not just for air balancing purposes). An example would be for the air handling units to have the VFD's modulate to a slower speed if both space temperature conditions are at set point and CO2 levels are low.	
22	JF	DD Drawings	M900	Will the concession area HVAC equipment be monitored by the building automation system?	
23	JF	DD Drawings	M701, 702 & 703	It is recommended that the DOAS and AHU variable frequency drives be used for actual energy savings purposes (and not just for air balancing purposes). An example would be for the air handling units to have the VFD's modulate to a slower speed if both space temperature conditions are at set point and CO2 levels are low.	
24	JF	DD Drawings	M900	Will the concession area HVAC equipment be monitored by the building automation system.	
25	JF	DD Drawings	P501	Triplex Electric Water Heaters: It is recommended that various points be monitored for the domestic hot water system. Such as temperatures, pump status, heater status, etc.	
26	JF	DD Drawings	P501	It is recommended that the circulation pumps have the capability of being controlled by an occupancy schedule thru the building automation system. Aquastats have a tendency to not work very well, resulting in the pumps staying on 24/7.	

East Longmeadow High School

3/28/2024

DD BECx Design Review

Joe Rocco, CEM - FST

<u>Sheet</u>	<u>Comment</u>	<u>Response</u>
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General Notes

	Given the design stage we recognize that some of the drawing details have not yet been developed. As such, a more detailed review of building enclosure related details can be performed during subsequent review stages as the details become available.	<i>Noted.</i>
	The current version of the Project Manual contains narratives regarding the project, however, does not include project specifications. FST can review relevant spec sections as they are developed.	<i>Noted. Unifomat being provided for DD submission per MSBA guidelines. MasterFormat will be used going forward</i>
	Is the inclusion of a Testing Agency Services spec section anticipated as on other similar MSBA projects [e.g., David Prouty HS]?	<i>Yes. This will be crtical for meeting stringent code requirements.</i>

Drawings

G002	Roof Type S9A. Please confirm whether this type exists on the project and if so, provide additional details on the how the plywood will be fastened through the face brick.	<i>S9A is the wall type for roof curb at below brick walls. Plywood attachment to brick wall will be shown at 60% CD.</i>
A101.3	Level 1 Plan C Spine. Develop details where storefront entrance wall and wall type S13A intersect [various locations].	<i>Noted. To be provided at 60% CD's.</i>
A310	Exterior Wall Sections. Develop details as needed for roof coping, roof to wall transition, and foundation.	<i>Noted. To be provided at 60% CD's.</i>
A511	Window Details. Develop additional details for windows at metal wall panels wall type S16.	<i>Noted. To be provided at 60% CD's.</i>

Project Manual

Page B-7	Please clarify whether whole building air tightness testing will be required on this project. Currently, witnessing such test is out of FST's scope of work with the MSBA.	<i>Whole building air tightness will be required - similar to DPHS.</i>
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In association with

October 3, 2023

Nina Pappacostas, Project Coordinator
Massachusetts School Building Authority
40 Broad Street, Suite 500
Boston, MA 02109

Re: East Longmeadow High School
Schematic Design - Review Comments & Response

Dear Nina:

Thank you for the comments regarding the Schematic Design Submission for the East Longmeadow High School Project received on September 19th. Below, please find responses to the SD comments. MSBA comments requesting a response are included in italics. Responses from the District and Design Team follow in blue text:

4.1.1 DESE SUBMISSION

*This information was transmitted to DESE for review and approval on September 5, 2023.
No further review comments for this section.*

Thank you!

4.1.2 SCHEMATIC DESIGN BINDER

2f) In response to these review comments, please confirm that first-responding personnel have been consulted in the planning process.

Yes. Initial meetings were held in July 2022 with Police and Fire Chief to inform the schematic design. During the Schematic Design phase, the Team conducted two meetings with first-responding personnel (Fire and Police): on July 15, 2023, which focused on site issues, and on July 20, 2023, which covered site and building topics, including lockdown sequence, surveillance, intrusion detection, visitor management,

site security, CPTED) Further detailed discussion is anticipated with fire and police departments during the Design Development process.

4) Please note that all costs associated with the removal of asbestos-containing floor and ceiling materials are ineligible for MSBA reimbursement. Also, the project team should be aware of the current policies associated with MSBA's participation in the abatement and removal of hazardous materials. Please note that work associated with removing contaminated soil and materials is considered ineligible for reimbursement. Please acknowledge.

Noted.

5) The information provided from the O'Reilly, Talbot & Okun Geotechnical report states: "Additional explorations will be required during the design phase". In response to these review comments, please confirm that the recommendations provided are incorporated into the design and accounted for in the cost estimates.

Confirmed. The recommendations are incorporated into the SD scope. Additional explorations will be done in Design Development to confirm recommendations – and slightly refine scope. An adequate budget has been provided by the OPM for these reimbursable expenses.

6) Please note that all permitting requirements and approvals must be obtained prior to construction bidding. Please acknowledge.

Noted.

10) The information provided in the sustainability narrative states that the District intends to achieve the 4% additional reimbursement (including three incentive points for energy efficiency and one incentive point for indoor air quality) using the 2023 version of the MSBA Green Schools Program. Based on the information from the design team, the project meets the 2023 guidelines for four conditional additional reimbursement points, subject to the District meeting these sustainability requirements for the project. If the District does not meet the requirements of the Green Schools Program, the District will not qualify for some or all of these incentive points, and the MSBA will adjust the reimbursement rate accordingly. Please acknowledge in the response to this review.

Noted and acknowledged.

Additionally, the MSBA notes that compliance with the MSBA green policy is based on the energy code current at the time of Project Scope and Budget submission, and the version of LEED or NE-CHPS used for project registration. The MSBA notes that a 10th edition of the Massachusetts Building Code based on the 2021 IBC and 2021 IECC (including any MA amendments) is currently scheduled to take effect in 2023. In response to these review comments, the design team should review the project's anticipated permit date based on the project schedule and verify coordination with the code analysis and all systems basis of design in subsequent phases. Please note that all approvals must be obtained prior to construction bidding. Please acknowledge in the response to this review.

Noted and acknowledged.

13) The information provided in the Room Data Sheets does not indicate all the rooms identified in the space summary. In response to these review comments, please review all the spaces, for each category, identify which is the correct one and update accordingly. Additionally, in response to these review comments, please incorporate door hardware provisions into the Room Data Sheets for the Chemical Storage spaces.

Noted. Revised Room Data Sheets are attached, and each unique, occupied room type is included where IT, casework and furniture layouts are schematically planned for. Unoccupied spaces, utility, mechanical and storage spaces are not included at this stage of the design process. Door hardware requirements are generally noted but the specific door hardware specification process will occur in Design Development when the door hardware consultant is brought on.

In response to these review comments, please provide updated room data sheets that include all safety features associated with the vocational technology spaces including but not limited to; emergency eyewash stations, fume hoods, instructor gas and water controls, and automatic shutoff switches to specialized equipment. In addition, include the locations of wall maps, tack boards, writing surfaces, projection screens and any other fixed teaching aides.

Noted and addressed. Please note that the school does not have any Ch. 74 spaces. Safety equipment has been called out for Early Ed classroom, art, science labs, science prep room and chem storage, STEM lab and custodial workshop.

16) It should be noted that based on discussion with the District and design team subsequent to receiving the schematic design submittal, the MSBA understands that although construction alternates are noted on the schematic design introduction, and estimates, no construction alternates are included in the base scope of the project or total project budget. The design team is reminded that in future projects, the schematic design documents must be coordinated to represent the proposed scope and budget prior to submitting to the MSBA. In response to these review comments, provide clarifying information that clearly define the scope of work and references revised sections of the schematic design that suggest alternates may be pursued.

As presented in section 2-1 Introduction, the Building Committee would like to continue to track the costs of these add alternates:

1. Add lighting to baseball & softball varsity fields
2. Add sports field storage building
3. Add irrigation at the JV baseball, softball and practice fields
4. Provide sod in lieu of seed at athletic fields
5. Add athletic field safety netting adjacent to abutting residences
6. Provide ground source heat pumps in lieu of basis of design VRF system

Items 1-5 are site related – and it is understood that these would likely be costs that are above the MSBA cap on site costs. #6 – looking at Ground Source Heat Pumps – is still very much a priority – and will continue to be evaluated during Design Development and Construction Documents – examining both the estimated costs for that type of system, as well as the potential rebates – to see if this approach is fiscally prudent for the Town.

The alternates are also listed in the MSBA Table “Proposed Schedule of Alternates” – on page 2-355 – and signed by the appropriate Town and District officials.

Also, as discussed with the District and design team, caution should be taken should the District decide to pursue construction alternates subsequent to receiving an MSBA Board approval for project, scope, and budget. Scope being considered that is not part of this schematic design should be discussed with MSBA’s assigned project manager before any decision is made in order to understand that the scope of work aligns with the MSBA Board approval. Please acknowledge.

Noted and acknowledged.

The proposed total project budget continues to be reviewed and will be further discussed with the project team leading up to an MSBA staff recommendation.

Noted and acknowledged.

17, 18) The information provided indicates potential add alternates in both the Designer’s and OPM’s cost estimates. Please note that the MSBA calculates potential grants based on the scope of work established at schematic design and expects add and/or deduct alternates to be coordinated and established at schematic design. In the subsequent phases of design, the District must clearly describe any adjustments to the scope of work established at schematic design including the potential incorporation of add and/or deduct alternates and how these may impact the approved scope and budget established at schematic design. Any associated increase in cost established at schematic design as a result will be considered ineligible for reimbursement. Please acknowledge.

Noted and acknowledged.

19d) In response to these review comments, provide an updated schedule that indicates the dates for issuance of bid documents and receipt of said documents that is not provided in the project schedule. Additionally, for Design Development (“DD”) and 60% and 90% Construction Document (“CD”) submissions the schedule must include 21 calendar days for the MSBA to review each submission. Include 14 calendar days for the project team to respond to MSBA’s review comments and incorporate those responses into the project documents prior to the next submission or finalizing project documents to make available to bidders, and note that the minimum duration between each MSBA design submission (DD, 60% CD, and 90% CD) is 35 calendar days. In all subsequent project submittals, provide a schedule that includes these minimum review durations. Please acknowledge.

Noted. Please see attached.

4.1.3 SCHEMATIC DESIGN PROJECT MANUAL

2) *Based on the information provided, the District determined that proprietary products will be considered. The District and design team is reminded that for each proprietary item, the District will have to provide an affidavit which shall indicate that an elected body of the District (school committee, city or town council, or selectmen, -but not ad-hoc building committee) has been presented with proposals for proprietary requirements approval action, has had an opportunity to investigate, or to require staff or consultant investigation upon each item so proposed, and has majority voted in an open public session that it is in the public interest to do so. Provide MSBA with a certified copy of the vote of the elected body in subsequent submittals. For each item of material or equipment, the specifications shall provide for a minimum of three named brands of material or equipment and the words “or equal” or a description of material or equipment which can be met by a minimum of three manufacturers or producers, and the words “or equal”. Proprietary products shall not be specified except as provided by M.G.L. c. 30, § 39M; however, when they are specified, proprietary specifications are subject to the “or equal” provisions of c. 30, § 39M.*

Noted.

Additionally, please confirm that all system controls are being coordinated with the Designer’s sub-consultants.

Confirmed.

4.1.4 SCHEMATIC DESIGN DRAWINGS

3) *In response to these review comments, please provide the following:*

- *A narrative that describes the proposed roof access for the proposed project.*

Roof access will be provided by roof hatches – as well as doors from the second floor onto adjacent roofs. These details will continue to be refined during Design Development.

- *Confirm that roof access provisions have been discussed with the District’s maintenance, facilities, and custodial personnel and local safety officials to ensure an appropriate level of access and safety has been incorporated in the proposed project. Clarify and confirm that walkway pads will be provided from all roof access points to all roof top mechanical units, skylights, and other parts of the roof that require access for maintenance and service.*

The Design Team has not gone through this level of detail with the District staff yet – but certainly plans to do so at the early stages of Design Development. Walkway pads will certainly be included in later drawings – and have already been incorporated into the SD Cost Estimate.

ADDITIONAL COMMENTS

On April 26, 2023 the MSBA Board of Directors approved the District's Preferred Schematic "Option NC-3" for a 191,780 square foot new construction option with an estimated total project cost of \$176,559,772. This Schematic Design submittal under review shows this same option currently as a 191,796 square foot new construction option with an estimated total project cost of \$177,460,652. This represents a decrease of 16 square feet to the overall square footage and an increase of \$900,880.

Noted and acknowledged. Thank you.

- **General Classroom** – *The District is proposing (24) General Classrooms that vary in size, but are all above the minimum General Classroom size of 825 nsf, totaling 20,400 nsf, which is below the MSBA guidelines by (3) General Classrooms and 3,900 nsf. Based on the information provided, the MSBA accepts this variation to the guidelines. As the project further develops, please note and acknowledge that 825 nsf is the minimum size for all newly constructed General Classrooms for grades 9-12 and 950 nsf is the maximum size for newly constructed General Classrooms for grades 9-12.*

Noted and acknowledged. Thank you for the acceptance to the variation to the guidelines

- **Science Classroom / Lab** – The District is proposing (8) Science Classrooms / Labs, that vary in size, totaling 11,720 nsf which exceeds the MSBA guidelines by (1) Science Classroom/ Lab and 1,640 nsf. Based on the information provided, the MSBA does not object to the District including this additional (1) 1,440 nsf Science Classroom/Lab, however, the MSBA will limit its participation to 1,440 nsf for each Science Classroom/Lab totaling 11,520 nsf. Please note and acknowledge square footage exceeding 11,520 nsf will be considered ineligible for reimbursement.

Noted and understood.

- **Prep Room** – The District is proposing (4) Prep Rooms, that vary in size, totaling 1,630 nsf which exceeds the MSBA guidelines by (1) Prep Room and 230 nsf. Based on the information provided, the MSBA does not object to the District including this additional (1) 200 nsf Prep Room, however, the MSBA will limit its participation to 200 nsf for each Prep Room, totaling 1,600 nsf. Please note and acknowledge that and any square footage exceeding 1,600 nsf will be considered ineligible for reimbursement.

Noted and understood.

Central Chemical Storage Room – The District is proposing (1) 205 nsf Central Chemical Storage Room which exceeds the MSBA guidelines by 5 nsf. Please note that the MSBA does not object to the District including this additional square footage in the project; however any square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.

Noted and understood.

- **Green House** – *The District is proposing (1) 220 nsf Green House which exceeds the MSBA guidelines. Please note that the MSBA does not object to the District including this additional space in the project; however, all square footage in excess of MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*

Noted and understood.

- *Special Education – The District is proposing a total of 11,575 nsf which exceeds the MSBA guidelines by 2,515 nsf. The proposed area in this category has increased by 1,381 nsf since the PSR submittal. Please note that the Special Education program is subject to approval by the Department of Elementary and Secondary Education (“DESE”). Formal approval of the District’s proposed Special Education program by the DESE is a prerequisite for executing a Project Funding Agreement with the MSBA.*

Noted and understood.

- *Health & Physical Education – The District is proposing a total of 21,270 nsf which exceeds the MSBA guidelines by 590 nsf. The proposed area in this category has decreased by 460 nsf since the PSR submittal. Please note that the MSBA does not object to the District including this additional space in the project; however, all square footage exceeding the MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*

Noted and understood.

- *Dining & Food Service – The District is proposing a total of 8,690 nsf which exceeds the MSBA guidelines by 1,190 nsf. The proposed area in this category has decreased by 160 nsf since the PSR submittal. Please note that the MSBA does not object to the District including this additional space in the project; however any square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*

Noted and understood.

- *Administration & Guidance – The District is proposing a total of 4,560 nsf which exceeds the MSBA guidelines by 765 nsf. The proposed area in this category has decreased by 10 nsf since the PSR submittal. The MSBA will participate in the (1) 150 nsf School Resource Officer (“SRO”) Office; however, any additional square footage beyond this will be considered ineligible for reimbursement. Please acknowledge.*

Noted and understood.

- *Other – The District is proposing 7,985 nsf which exceeds the MSBA guidelines. The proposed area in this category has increased by 1,385 nsf since the PSR submittal. The District is proposing the following spaces:*
 - ***East Longmeadow Cable Access Television (“ELCAT”) Offices & Editing** – The District is proposing (1) 170 nsf ELCAT Offices and Editing in excess of the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
 - ***ELCAT Edit** – The District is proposing (1) 145 nsf ELACT Edit space in excess of the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
 - ***District SPED Staff Offices** – The District is proposing (3) 150 nsf District SPED Staff Offices, totaling 450 nsf which exceeds the MSBA guidelines. Please note that square footage*

- exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
- **Consult Room** – *The District is proposing (1) 200 nsf Consult Room which exceeds the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
 - **District SPED Waiting Room** – *The District is proposing (1) 280 nsf District SPED Waiting Room which exceeds the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
 - **District SPED Admin Room** – *The District is proposing (1) 350 nsf District SPED Admin Room which exceeds the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
 - **Superintendent Office** – *The District is proposing (1) 285 nsf Superintendent Office which exceeds the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
 - **District Accounts / Bookkeeping** – *The District is proposing (1) 345 nsf District Bookkeeping room which exceeds the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
 - **District CFO** – *The District is proposing (1) 170 nsf District CFO office which exceeds the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
 - **Director of Curriculum and Instruction** – *The District is proposing (1) 170 nsf Director of Curriculum and Instruction space which exceeds the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
 - **Central Office Administration** – *The District is proposing (1) 295 nsf Central Administration space which exceeds the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
 - **Safe/Storage Space** – *The District is proposing (1) 340 nsf Safe/Storage space which exceeds the MSBA guidelines. In response to these review comments, please relocate the “Safe/Storage Space to the “Non-Programmed” spaces since it can be accommodated within the overall building grossing factor without exceeding 1.50. Additionally, in response to these review comments provide an updated Space Summary that includes all the changes requested in the SD review comments. Please acknowledge.*
 - **District Office Conference Room** – *The District is proposing (1) 560 nsf District Office Conference Room which exceeds the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
 - **IT Open Office** – *The District is proposing (1) 810 nsf IT Open Office which exceeds the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
 - **IT Storage Computers & Repairs** – *The District is proposing (1) 820 nsf IT Storage Computers and Repairs space which exceeds the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
 - **IT Director** – *The District is proposing (1) 170 nsf IT Director space in excess of the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
 - **IT Assistant Director** – *The District is proposing (1) 170 nsf IT Assistant Director space in excess of the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*

- **IT Tech Support** – *The District is proposing (1) 365 nsf IT Tech Support in excess of the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
- **Kitchenette** – *The District is proposing (1) 195 nsf Kitchenette in excess of the MSBA guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*
- **Health Classroom** – *The District is proposing (2) Health Classrooms, that vary in size, totaling 1,695 nsf which exceeds MSBA guidelines. Based on the information provided, the MSBA accepts this variation to the guidelines. Please note that square footage exceeding MSBA guidelines will be considered ineligible for reimbursement. Please acknowledge.*

All of the above is noted and understood.

- **Total Building Net Floor Area** – *The District is proposing a total of 128,195 nsf which exceeds the MSBA guidelines by 17,437 nsf. The proposed area has increased by 338 nsf since the PSR submittal. The MSBA accepts this variation to the guidelines; however, limits of participation associated with the 'Core Academic', 'Health and Physical Education', 'Dining & Food Service', 'Administration and Guidance', and 'Other' categories will be applied to the MSBA grant calculation. Please acknowledge.*

Noted and understood.

- **Total Building Gross Floor Area** – *The District is proposing a total of 191,796 gross square feet ("gsf") which exceeds the MSBA guidelines by 26,996 gsf with a grossing factor of 1.50. The proposed area increased by 16 nsf the PSR submittal. As noted above, The MSBA accepts this variation to the guidelines; however, limits of participation associated with the 'Core Academic', 'Health and Physical Education', 'Dining & Food Service', 'Administration and Guidance', and 'Other' categories will be applied to the MSBA grant calculation. Please acknowledge.*

Noted and understood.

Please note that upon moving forward into subsequent phases of the proposed project, the Designer will be required to provide, with each submission, a signed, updated space summary that reflects the design and demonstrates that the design remains, except as agreed to in writing by the MSBA, in accordance with the guidelines, rules, regulations and policies of the MSBA. Should the updated space summary demonstrate changes to the previous space summary include a narrative description of the change(s) and the reason for the proposed changes to the project.

Noted and understood.

Please let us know if you have any further questions. Thank you again for your thorough review and comments.

Best,

A handwritten signature in blue ink that reads "Dorrie Brooks" with a long, sweeping horizontal line extending to the right.

Dorrie Brooks, AIA

Enclosures:

1. Updated Select Room Data Sheets
2. Updated Project Schedule



Designer Selection Board

1 Ashburton Place, Room 1018A, 10th Floor, Boston, MA 02108

www.mass.gov/dsb

Telephone: (617) 727-4046

Back

PROJECT NAME	DESIGN FIRM NAME	PROJECT NUMBER	TYPE OF EVALUATION
East Longmeadow High School	JONES WHITSETT ARCHITECTS, INC	201900870505	Study

Hide performing rating scale YES NO

Each of the performance factors carries multiple scenarios to assist a Public Agency Official/Project Manager with measuring a design team's competence. For each scenario, a performance rating scale between 1 and 4 must be used:

4 – Exceeded Expectations: *outstanding performance*

- Performance consistently exceeded Agency expectations and always provided exceptional results.
- Exceptional performance may reflect achievements to the Agency's benefit such as identified cost-savings, innovative options or efficiencies, demonstrated excellence in quality of work and service delivery, and added value to the project.

3 – Satisfactory: *at standard, satisfactory performance*

- Performance met contractual requirements.
- May have had some minor problems; however, satisfactory corrective actions taken by the Designer were highly effective.
- Problems were not repetitive.

2 – Improvement Required: *below satisfactory performance*

- Performance inconsistently met contractual requirements.
- Extensive minor, and/or recurring non-compliance issues or problems.

1 – Unsatisfactory: *unacceptable performance*

- Performance did not meet contractual requirements and recovery did not occur in a timely or cost-effective manner.
- Serious problems existed and corrective actions have been ineffective.
- Performance indicates very little or no effort extended to satisfy the minimum contract requirements.

Performance Rating Scale:

Designer Performance Evaluations are required by M.G.L Ch.7c and are to be completed at the close of all MA Public projects. The evaluation is designed to provide feedback to designers on a project so that they can correct any patterns of poor performance in the future. The criteria-based assessment includes four performance factors:

A. Management

This evaluation factor reflects the Designer's performance in managing the contract, including:

- Leadership & Cooperative Teamwork
- Communication & Management of Team, Issues and Resources
- Commitment to Customer Satisfaction & Responsiveness to Requests and Inquiries
- Participation & Contribution to Decision Making

B. Quality

This evaluation factor relates to the Designer's attention and concern to delivering a quality service and product, including:

- Interpretation of the Project Scope & Professional Expertise
- Innovation & Ability to Solve Technical and Design Problems
- Attention to Regulatory Obligations
- Thoroughness of Deliverables & Quality Assurance/Quality Control
- Presentation of Documents

C. Schedule

This evaluation factor reflects the Designer's ability to meet the contract schedule, including:

- Schedule Control & Timely Completion of Tasks and Submission of Deliverables
- Communication and Promptness of Information for Decision Making
- Timeliness of Revised Deliverables
- Responsibility and Accountability for Proposed Project Schedule

D. Budget

This evaluation factor reflects the Designer's adherence to established project budget constraints, including:

- Cost Control of Project Budget
- Accuracy and Completeness of Cost Estimates
- Adherence to the Design Fee within the Scope of the Contract
- Completeness, Accuracy and Timeliness of Invoicing

Question #1: MANAGEMENT

Leadership & Cooperative Teamwork

A. To what degree did the Designer lead the project and cooperate with Agency personnel, consultants, and other project stakeholders?

- 4 The Designer was **always** knowledgeable about all disciplines and in control of the project and provided leadership that **improved** the project approach. The Designer **exceptionally** cooperated with all parties and used the project team members as informational resources.
- 3 The Designer was **routinely** knowledgeable about all disciplines and in control of the project and **clearly met** the Agency's expectations. **Satisfactory** cooperation with Agency personnel, consultants, and other project stakeholders.
- 2 The Designer was **not routinely** knowledgeable about all disciplines and **required guidance** from the Agency to maintain control of the project. **Poor** performance in cooperation with all parties.
- 1 The Designer was **rarely** in control of the project, with **frequent team errors, disorganization, and miscommunication** that resulted in extra work or schedule delays. **Failure** to engage and work well with Agency personnel, consultants, and other project stakeholders.

Communication & Management of Team, Issues and Resources

B. How were the Designer's communication skills with his/her team and Agency personnel?

- 4 The Designer **always** kept team members informed and **consistently exceeded** the Agency's expectations. Problems that had the potential to affect the project were **proactively** addressed and resolved.
- 3 The Designer **routinely** communicated with his/her team and Agency personnel in a clear, thorough, and periodic manner and **clearly met** the Agency's expectations. Information was communicated **effectively** and project issues were resolved **adequately**.
- 2 The Designer **generally, but inconsistently**, communicated with his/her team and Agency personnel in a clear, thorough, and timely manner and Agency personnel **had to initiate and clarify** communications to move the project forward.
- 1 Communication between the Designer and his/her team and the Agency was **lacking** and **clearly had a negative impact** on the completion of the project.

Commitment to Customer Satisfaction & Responsiveness to Requests and Inquiries

C. How was the Designer's commitment to customer service and responsiveness to requests and inquiries from Agency personnel and other stakeholders?

- 4 The Designer was **always** responsive to requests and inquiries and **took initiative** in engaging the Agency and other stakeholders. Responses to inquiries were addressed **expeditiously**.
- 3 The Designer was **routinely** responsive to requests and inquiries. Responses to inquiries were **reasonably prompt, rarely requiring** repeated requests.
- 2 The Designer was **not routinely** responsive to requests and inquiries. Issues were **not tracked or resolved in a timely manner** and **required Agency intervention** where it should not have been necessary.
- 1 The Designer was **inaccessible** and **unresponsive** to questions, needs and concerns by Agency personnel and other stakeholders. Responses were **seriously lacking, consistently requiring** repeated requests that **jeopardized** completion of the project.

Participation & Contribution to Decision Making

D. By what manner did the Designer participate and contribute to the decision-making process?

- 4 **Active** participation in meeting discussions. The designer was able to explain aspects for informed decision making, i.e., cost implications, opportunities and constraints of parameters, etc. **Exceptional** follow-through on decisions made at meetings.
- 3 **Adequate** participation in meeting discussions and **satisfactory** follow-through on decisions made at meetings.
- 2 Participation in meeting discussion happened **sporadically** and Agency personnel had to **request follow-through** on decisions made at meetings.
- 1 Participation was **lacking** and issues were **not resolved** without **significant input or decision** by the Agency.

SCORE MANAGEMENT COMMENT

- 4** JWA's management skills and commitment to customer satisfaction are apparent. They were responsive throughout the entire study phase. JWA's design and programming expertise helped the district when making critical decisions.

Question #2: QUALITY

Interpretation of the Project Scope & Professional Expertise

A. To what degree did the Designer articulate the scope of work and provide the professional expertise to meet the goals of the project?

- 4 The Designer **proactively** analyzed, interpreted and discussed suggestions and issues in a professional manner and **clearly exceeded** the Agency's expectations.
- 3 The Designer **routinely** responded to suggestions and issues in a professional manner and **clearly met** the Agency's expectations.
- 2 The Designer did **not routinely** weigh proposed options against the project goals and parameters.
- 1 The Designer **failed** to champion the goals and criteria of the project.

Innovation & Ability to Solve Technical and Design Problems

B. As options were developed and analyzed, how was the Designer's ability to solve technical and design problems?

- 4 **Exceptional** ability to solve technical and design problems. The Designer found **innovative** ways to comply with applicable requirements and **always** proposed alternatives with their advantages and disadvantages, i.e., cost implications, opportunities and constraints of parameters, etc.
- 3 **Satisfactory** ability to solve technical and design problems. The Designer **regularly** proposed alternatives and articulated their advantages and disadvantages.
- 2 **Poor** ability to solve technical and design problems. The Designer **required guidance** from the Agency to propose alternatives and articulate their advantages and disadvantages.
- 1 **Unsatisfactory** ability to solve technical and design problems. Agency personnel **had to address** design constraints and take advantage of design opportunities to move the project forward.

Attention to Regulatory Obligations

C. How much attention did the Designer pay to all applicable regulatory requirements associated with the project?

- 4 The Designer was **extremely attentive** to regulatory restrictions and found creative solutions to address requirements. **Proactive** in identifying compliance issues not known by the Agency.
- 3 The Designer paid **adequate** attention to all applicable regulatory requirements associated with the project.
- 2 The Designer **generally, but inconsistently**, paid attention to regulations applicable to the project.
- 1 Attention to regulatory restrictions was **lacking** and **clearly impacted** the completion of the project.

Thoroughness of Deliverables & Quality Assurance/Quality Control

D. By what manner did the Designer coordinate deliverables by closely monitoring the work of sub-consultants and various technical disciplines involved in the project for accuracy and content?

- 4 The Designer **exceeded** expectations for quality and accuracy and work was **always** thoroughly coordinated. Consultants' work was **consistently** reviewed by the Designer prior to the submission of deliverables with **remarkable** QA/QC process in place, with few, if any, accuracy problems or edits required.

- 3 The designer **met** expectations for quality and accuracy and work was **routinely** coordinated. Consultants' work was **adequately** reviewed by the Designer prior to the submission of deliverables with **good** QA/QC process in place. Review comments were minimal and were **easily** and **promptly resolved**.
- 2 The designer did **not routinely meet** expectations for quality and accuracy and work **often** lacked **coordination**. Agency personnel identified problems and inconsistencies in the deliverables and **directed** the Designer to take corrective actions.
- 1 Coordination was **lacking** and **clearly harmed** completion of the project. Deliverables were **substantially substandard**, with recurring problems with the consultant's work, and required **excessive resubmittals**.

Presentation of Documents**E. How was the presentation of study or pre-design documents, including the narrative, organization and graphics?**

- 4 The writing style and presentation of the deliverables were **clear** and **well organized** with **remarkable** illustrations.
- 3 The writing style and presentation of the deliverables were **reasonably clear and well organized** and **generally** included appropriate graphics.
- 2 Deliverables were **poorly** written and were **not always clear, with insufficient back-up**.
- 1 Deliverables were a **detriment** to the project.

SCORE QUALITY COMMENT

- 4** JWA's study submission documents were always complete, accurate, organized and punctual. JWA does a great job monitoring the action items of its subconsultants. Although many firms were involved, each was aware of its individual expectations.

**Question #3: SCHEDULE****Schedule Control & Timely Completion of Tasks and Submission of Deliverables****A. To what degree did the Designer meet agreed upon schedule?**

- 4 The Designer **exceeded** schedule expectations and sometimes completed tasks or submitted deliverables **early**, saving the Agency time. **Proactive** in anticipating issues potentially affecting the schedule.
- 3 The Designer **met** the approved schedule and submitted completed tasks or submitted deliverables, within the established milestones and deadlines, with no late deliverables or with minor problems that did **not affect** the project schedule. **Satisfactory** in addressing issues potentially affecting the schedule.
- 2 The Designer was **occasionally late** with tasks and deliverables that **endangered** the project schedule. **Generally, but inconsistently, alerted** the Agency to possible schedule problems in advance of delays.
- 1 The Designer **repeatedly failed** to make adequate progress and **untimely** tasks and deliverables resulted in the project **delay**. The Agency was **rarely given advance notice** about missed deadlines.

Communication and Promptness of Information for Decision Making**B. As the Agency needed to be informed to make decisions, how promptly did the Designer provide information and present issues?**

- 4 The Designer **always** provided adequate information and present issues to the Agency in a timely manner, thereby **permitting the project to flow smoothly and quickly**.
- 3 The Designer **routinely** provided adequate information and present issues to the Agency in a timely manner, thereby **permitting the project to flow adequately**.
- 2 The Designer did **not routinely** provide adequate information and present issues to the Agency in a timely manner, thereby **not permitting the project to flow adequately**.
- 1 Communication about potential issues was **lacking** and **adversely affected** the schedule.

Timeliness of Revised Deliverables**C. How was the Designer's promptness to incorporating comments from the Agency and other stakeholders into the deliverables?**

- 4 Comments and review requests were **expeditiously** incorporated into the deliverables.
- 3 Incorporation of comments and review requests into the deliverables were **reasonably prompt, rarely requiring repeated requests**.
- 2 Comments and review requests **took too much time** to be incorporated into the deliverables and **required repeated requests**.
- 1 The majority of comments were **never addressed** in subsequent submittals.

Responsibility and Accountability for Proposed Project Schedule**D. What was the Designer's level of responsibility and accountability for the proposed project schedule?**

- 4 The Designer **always** offered opinions on the project schedule and "owned" it as part of his/her work. The Designer estimated a **realistic schedule** for the study/pre-design phase and **appropriately engaged** in the evaluation and development of the design and construction phase schedules.
- 3 The Designer **routinely** provided guidance on the project schedule to the Agency. The project schedule was **mostly realistic**, with minor problems that did **not affect** the project completion.
- 2 The Designer's involvement with the project schedule **endangered** the project completion. Agency personnel **identified problems and inconsistencies** and **directed** the Designer to take corrective actions.
- 1 The Designer **had no ownership** of the project schedule, **repeatedly failed** to provide guidance to the Agency and **did not estimate** a practical schedule for the various phases of the project.

SCORE SCHEDULE COMMENT

- 4** JWA met all critical milestones during the study phase. The design team helped the entire project team prepare for and satisfy all submission requirements within the scheduled timeframe.



Question #4: BUDGET

*Cost Control of Project Budget***A. How well did the Designer manage the process within the project budget?**

- 4 The Designer **exceeded** expectations regarding the budget and worked **creatively** to manage costs while meeting the design intent.
- 3 The Designer **met** budget expectations and was **responsive** to the project goals within the established project budget limitations.
- 2 The Designer did **not routinely** meet the agreed upon budget and **generally, but inconsistently**, alerted the Agency to possible budget problems.
- 1 The budget was **overrun**. The Designer **repeatedly failed** to alert the Agency to possible budget problems.

*Accuracy and Completeness of Cost Estimates***B. To what degree were cost estimating services, when included in the scope of work, reviewed before submission and tailored to the needs of the study or pre-design process?**

- 4 Cost estimates were **always** well reviewed for accuracy and completeness before submission and were used **effectively** to help guide the study or pre-design process.
- 3 Cost estimates were **routinely** reviewed for accuracy and completeness before submission and were **generally** tailored to the study or pre-design process.
- 2 Cost estimates were **generally, but inconsistently**, reviewed prior to submission, and were **not always** appropriately tailored to the study or pre-design process.
- 1 Cost estimates were **submitted without prior review, inaccurate**, and were **not tailored** to the study or pre-design process.

*Adherence to the Design Fee within the Scope of the Contract***C. By what manner did the Designer adhere to the design fee with the scope of the contract?**

- 4 The Designer **did not make requests** for additional service fees for work that was within the scope of the contract. Additional services fees were only requested for work requested by the Agency.
- 3 The Designer **made occasional requests** for additional service fees for work that was within the scope of the contract. Additional services fees were only requested for work requested by the Agency or for work due to unforeseen scope clarification.
- 2 The Designer **made multiple requests** for additional services fees for tasks that should have been clarified by him/her at the start of the project when developing the scope and fee.
- 1 The Designer **repeatedly made requests** for additional services fees for work that was within the scope of the contract and **failed** to submit complete deliverables for work.

*Completeness, Accuracy and Timeliness of Invoicing***D. How complete, accurate and timely were invoices by the Designer?**

- 4 **Consistently** well-reviewed, accurate and timely, invoices by the Designer saved the Agency time in reviewing and processing.
- 3 Invoices were **often** reviewed by the Designer before submission, accurate, and promptly submitted to the Agency.
- 2 Invoices were accurate and on time **for the most part**, but were **sometimes in error**. Agency personnel identified problems and inconsistencies in the invoices and **directed** the Designer to take corrective actions.
- 1 Invoices were **routinely incomplete, inaccurate** and/or late.

SCORE BUDGET COMMENT

- 4** JWA played a major role in helping the district define the scope, budget and schedule of the Project. The design is thoughtful and is aimed at satisfying the school's needs in a cost conscience manner.

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Total Evaluation Score:**4****Overall Comments on the Designer's Performance**JWA is a reputable architectural firm. Their performance so far on the East Longmeadow High School Project has not disappointed.

ELHS School Building Committee
School Committee Conference Room and Zoom Meeting
March 28, 2024, 3:00 PM
Meeting Minutes

DRAFT

Attendees:

Stephen (Steve) Chrusciel, School Building Committee Chair
Gordon Smith, Superintendent of Schools
Pamela Blair, Assistant Superintendent for Business
Frank Paige, ELHS Principal (absent)
Heather Brown, ELHS Director of Curriculum (absent)
Kathleen Hill, Town Council Member
Elizabeth (Beth) Marsian-Boucher, Community Member
Bruce Fenney, Superintendent of East Longmeadow DPW
Dr. Daniela LaBarre, School Psychologist and Faculty Member (absent)
Greg Thompson, School Committee Member
Tom Christensen, Town Manager
Kimberly Collins, Director of Municipal Finance (absent)
Ryan Quimby, ELPS IT Director

Other Attendees:

Ben Murphy, Victoria Clifford, John Benzinger, Skanska USA Building, Inc.
Dorrie Brooks, Kristian Whitsett, Helen Fantini, Design Team
Dave Fontaine Jr., Jon Barrows, Jason Boudreau, Tracy Routhier,, Fontaine Bros, Inc.

Meeting Opening

- Meeting called to order at 3:02 PM by Stephen Chrusciel.

Meeting Minutes Approval

- Greg Thompson moved to approve the 3/21/2024 minutes. Ryan Quimby seconded the motion. Gordon Smith called a roll call vote:
 - The following voted in the affirmative: Gordon Smith, Kathleen Hill, Elizabeth (Beth) Marsian-Boucher, Bruce Fenney, Greg Thompson, Tom Christensen, Ryan Quimby, Stephen Chrusciel, Pamela Blair, Frank Paige
 - The following were absent: Heather Brown, Kimberly Collins, Dr. Daniela LaBarre,
- The minutes were unanimously approved.

Public Participants

- None

Skanska Update

- Ben Murphy, Skanska, gave an update on the DD estimation process. The project team met earlier this week to reconcile the two estimates, one by PM&C, and the other by Fontaine Bros. The estimates are within \$90k of each other, which was very reassuring for the team. Ben reported that we are on budget and the design team would review in more detail the estimate and total project budget.
- Ben also reported that two constructability reviews have been performed, one by Skanska, and the other by Fontaine.
- Ben noted that the goal for today's meeting was to review the estimate, the DD submission, and vote to (1) approve the total project budget submittal to the MSBA, and (2) approve the DD submittal to the MSBA.

Design Update

- Kristian Whitsett, JWA, gave an overview of all items included in DD submission.
- Kristian reviewed the Cost Estimate Reconciliation Summary:
 - The below table compares the SD budget against the two DD estimates. Total Construction Costs came in just under budget.

Total Project Budget (SD)	
Direct Trade Costs	\$ 114,253,272
Total Construction Costs	\$ 147,537,907
Total Project Budget	\$ 177,460,645

	PM&C	FBI
Initial DD Estimates:		
Direct Trade Costs	\$ 120,007,420	\$ 119,465,256
Total Construction Costs	\$ 148,942,246	\$ 149,159,405
Post DD Reconciliation:		
Direct Trade Costs	\$ 118,535,406	\$ 118,016,064
Total Construction Costs	\$ 147,581,295	\$ 147,493,401

- Ben added that the total project budget is the same as it was from the SD submission, the project team was comfortable where the estimates have landed, and recommends accepting the budget as is.
- Ben noted that we will review alternates and discuss the VE process if we realize any savings or have an overage at the 60% CD's.
- Alternates:
 - Kristian reviewed the proposed list of alternates:

	PM&C	FBI
Sports Field Storage Building	\$ 51,216	\$ 62,565
Additional athletic field irrigation (beyond base project scope) @ 245,000 sq ft	\$ 514,500	\$ 491,292
Provide 435,000 sq ft sod in lieu of seed for athletic fields	\$ 887,400	\$ 919,447

-
- Greg asked when fields would be ready to use if we went with sod vs. seed.
 - John Benzinger, Skanska, answered it is typically 1 year after installation for sod, and 2 years after seeding.
 - Dave Fontaine Jr., Fontaine Bros, discussed options for alternates on sod vs. seed.
- Beth asked if insulation was included in the field house as an alternate?
 - Kristian answered that it is included in the base budget.
- Greg noted that it would be nice to have windows in the concession stand with a view to the fields. Greg asked for the concession bathrooms entrance in the back of the building.
 - Design team to research both requests.
- Gordon asked if we need to rank alternates at this point.
 - Kristian, not yet. We will be at 60% CD's. Reason being we need to consider the file sub bid implications.
- Greg asked if we have a breakout for PV costs, and when we are bringing on a PV consultant.
 - Kristian answered, yes, breakout for PV is included. And yes, the consultant is being brought on during 60% CD's.
- Beth asked if we will see a cost analysis of the PV.
 - Dave answered, Yes.
- Next Steps & Upcoming Meetings:
 - Design Team Meetings:
 - Security (building, site)
 - Traffic Measures
 - FF&E
 - April 9th – all day, on site
 - LEED Resiliency Pilot Credit Meetings:
 - (2) 90-minute virtual meetings - architecture, engineers, Owner and OPM
 - Conservation Commission – Notice of Intent

- 4/11 - Filing Date
- 4/15 - 4/19 Site walk w/ CC & GZA - TBD
- 4/24 – Public Hearing
- 5/8 – Public Hearing if required
- Site Plan Review
 - 4/12 Filing Date
 - 4/12 – 5/17 – Design Review Committee Review
 - 5/21 - Public Hearing – Planning Board
 - 6/18 – Public Hearing – Planning Board
 - 7/2 – Public Hearing – Planning Board - if needed
- It was asked when enabling work would begin.
 - Dave answered, we would like it to begin right after the last day of school, 6/14.
- Tom noted that the Town Design Review Committee will need to be added to the list of targeted meetings,
- Victoria Clifford, Skanska, noted that the 4/11 community forum should be added to the list, and noted that we may want to consider an abutters specific forum before the enabling work begins.
 - Committee members asked for time and date of forums
 - 4/11, 6PM, HS Cafeteria. Flyer to be posted to the Town Facebook and distributed by the superintendent’s office.
- Steve Chrusciel asked Fontaine what the impact would be if we had a delay on enabling.
 - Dave answered that a 60-day delay on the front end would have a significant impact on the project.
- Tom added that the Planning Board is meeting on May 21st.
 - Beth asked what items the planning board potentially flag.
 - Tom answered that they may ask for a Third-party review on the traffic study.
 - Bruce Fenney added that we need to be mindful that the facilities group needs ample time to review drawings.
 - The team noted that they will be sending the DD drawings to their office tomorrow.

Construction Update

- The Fontaine Bros. team reviewed the current plan for Early Release Packages:
 - ERP 1:
 - Enabling Work
 - Based on DD drawings
 - ERP 2:
 - Based on 60% CD’s
 - Concrete, Structural Steel, Timber, Sitework, Switchgear, Foundations, Elevator
 - ERB 3
 - Based on 90% CD’s

- Fire Suppression, Plumbing, HVAC, Electrical
- Remaining Packages
 - Based on 100% CD's
 - Remaining trades included filed sub-bidders
- Review of construction logistics:
 - Dave gave an overview of the current construction logistics plan and noted that they've been meeting with the project team and school leadership to fine-tune logistics.
 - It was asked if there would be a formal block/gate at the Nordon Street access point.
 - Gate will be implemented, but the access point needs to be accessible for school maintenance operations.
 - Dave noted landscaping and salvage items for temporary enabling is being coordinated
 - Dave reported that the conex boxes will be accessible for national night out and then will be relocated after this summer.
- Schedule overview:
 - Fontaine gave an overview of the construction schedule.
 - Committee discussed field usage with an active construction site.
 - Gordon noted that the community uses the fields all summer. We will need to coordinate with the Town Rec Department to communicate what areas will be available/unavailable, and when.
 - Beth asked if we could discuss borrowing field space from Longmeadow.
 - Gordon noted that the District can start having those conversations.
 - Tom added that the Town will need to adjust to the fact that we won't have the same access to fields during construction.
 - Steve asked if there was any way final plantings could be done in 2026 so they are established come 2027.
 - Dave answered, most likely not.
 - Beth suggested using sod for the fields and seed the space in between fields as a cost and schedule saving measure.

Design Development Votes

- 1) The East Longmeadow School Building Committee ("SBC") has completed its review of the Total Project Budget for the East Longmeadow High School Project and approves the submittal to MSBA for consideration.
 - Elizabeth (Beth) Marsian-Boucher made the motion. Greg Thompson seconded the motion. Gordon Smith called a roll call vote:
 - The following voted in the affirmative: Gordon Smith, Kathleen Hill, Elizabeth (Beth) Marsian-Boucher, Bruce Fenney, Greg Thompson, Tom Christensen, Ryan Quimby, Stephen Chrusciel, Pamela Blair, Frank Paige.
 - The following were absent: Heather Brown, Kimberly Collins, Dr. Daniela LaBarre.

- The motion was unanimously approved.
- 2) The East Longmeadow School Building Committee (“SBC”) has completed its review of the 100% Design Development submittal for the East Longmeadow High School Project and vote to approve and authorize the Project Team to submit the Design Development related submittals to the MSBA for consideration.
 - Elizabeth (Beth) Marsian-Boucher made the motion. Tom Christensen seconded the motion.
 - Gordon Smith called a roll call vote:
 - The following voted in the affirmative: Gordon Smith, Kathleen Hill, Elizabeth (Beth) Marsian-Boucher, Bruce Fenney, Greg Thompson, Tom Christensen, Ryan Quimby, Stephen Chrusciel, Pamela Blair, Frank Paige
 - The following were absent: Heather Brown, Kimberly Collins, Dr. Daniela LaBarre.
 - The motion was unanimously approved.

New Business

- Next SBC meeting to be scheduled by Skanska.
- Small group to meet next week to review the presentation for the 4/11 community forum. To be organized by Skanska.
- Beth asked if the design team would look at adding a bench near the safety rail (exact location not recorded).

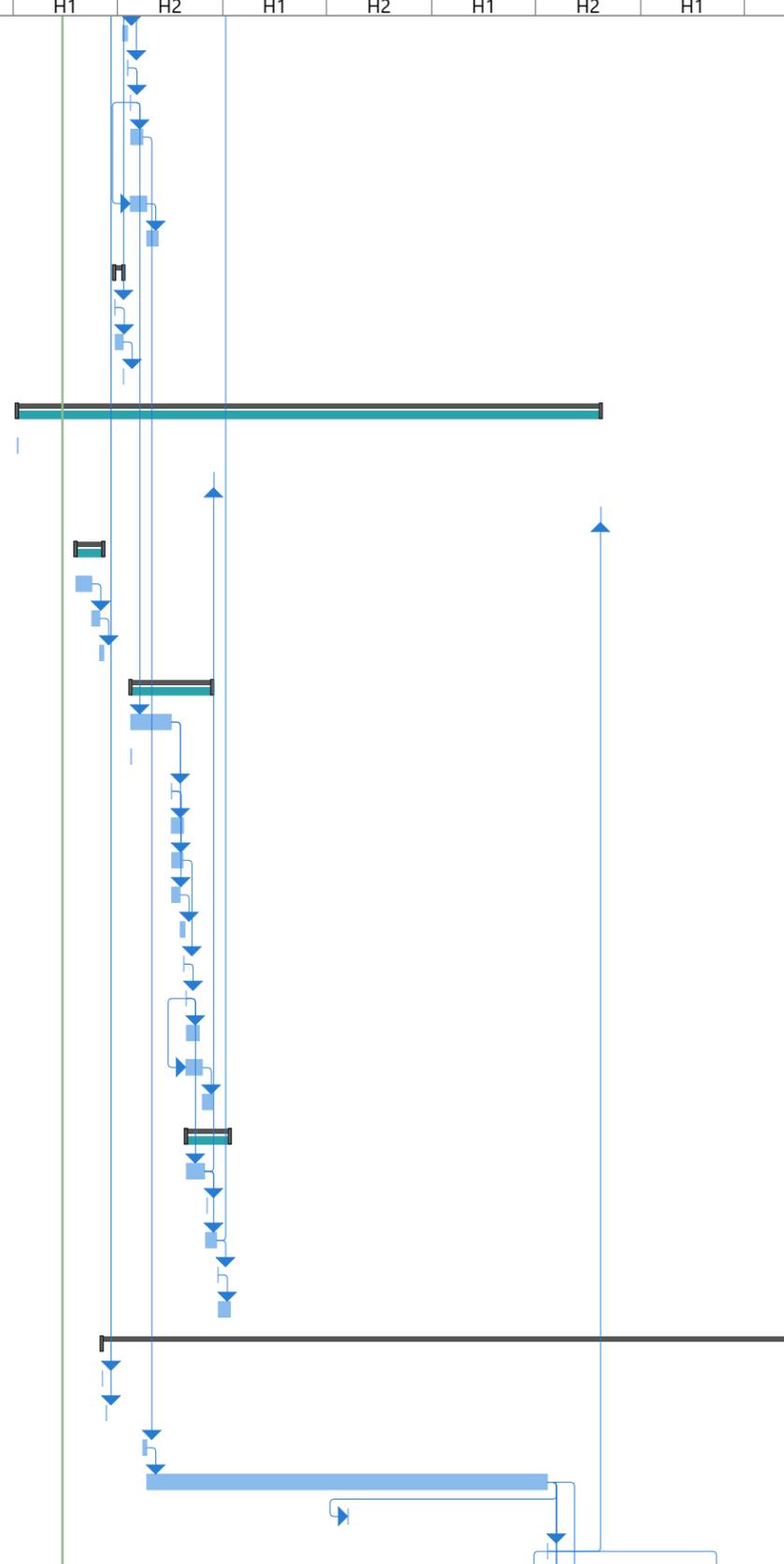
Motion to adjourn by Tom Christensen. Seconded by Beth Marsian-Boucher. Motion unanimously approved. Meeting adjourned at 4:15 PM.

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ID	Task Name	Duration	Start	Finish	% Comple	2021		2022		2023		2024		2025		2026		2027		2028	
						H1	H2														
40	Draft Ed. Plan Development	23 days	Wed 6/29/22	Fri 7/29/22	100%																
41	Existing Conditions Survey	39 days	Mon 6/6/22	Thu 7/28/22	100%																
42	Options Development	20 days	Mon 6/20/22	Fri 7/15/22	100%																
43	Preliminary Evaluation of Alternatives	13 days	Mon 7/18/22	Wed 8/3/22	100%																
44	SBC Meeting- General Update	1 day	Mon 7/18/22	Mon 7/18/22	100%																
45	Cost Estimating	11 days	Thu 8/4/22	Thu 8/18/22	100%																
46	SBC Meeting- Approval of Draft PDP Report	1 day	Thu 8/25/22	Thu 8/25/22	100%																
47	Finalize PDP Submission	2 days	Fri 8/26/22	Mon 8/29/22	100%																
48	PDP Submittal to MSBA	1 day	Tue 8/30/22	Tue 8/30/22	100%																
49	MSBA Review of PDP	21 days	Tue 8/30/22	Tue 9/27/22	100%																
50	Address MSBA PDP Comments	10 days	Wed 9/28/22	Tue 10/11/22	100%																
51	Module 3.2 Preferred Schematic Report	171 days	Wed 8/31/22	Wed 4/26/23	100%																
52	PSR Submittal Development	111 days	Wed 8/31/22	Wed 2/1/23	100%																
53	Development of Project Alternatives	80 days	Wed 8/31/22	Tue 12/20/22	100%																
54	Community Forum #2	1 day	Wed 9/21/22	Wed 9/21/22	100%																
55	Design Team Charrette	1 day	Wed 9/28/22	Wed 9/28/22	100%																
56	Existing Conditions Evaluation	30 days	Wed 8/31/22	Tue 10/11/22	100%																
57	Community Forum #3	1 day	Wed 11/16/22	Wed 11/16/22	100%																
58	Cost Estimating	20 days	Wed 12/21/22	Thu 1/19/23	100%																
59	Reconcile Cost Estimates	1 day	Fri 1/20/23	Fri 1/20/23	100%																
60	SBC Approval of PSR	1 day	Thu 2/2/23	Thu 2/2/23	100%																
61	Submit Mass. Historic PNF	1 day	Tue 2/7/23	Tue 2/7/23	100%																
62	Finalize PSR	7 days	Fri 2/3/23	Mon 2/13/23	100%																
63	PSR Submittal to MSBA	1 day	Tue 2/14/23	Tue 2/14/23	100%																
64	MSBA Review of PSR	21 days	Tue 2/14/23	Tue 3/14/23	100%																
65	Address MSBA PSR Comments	10 days	Wed 3/15/23	Tue 3/28/23	100%																
66	FAS Presentation	1 day	Wed 3/15/23	Wed 3/15/23	100%																
67	Community Forum #4	1 day	Thu 3/16/23	Thu 3/16/23	100%																
68	MSBA Board Meeting - PSR Approval	1 day	Wed 4/26/23	Wed 4/26/23	100%																
69	Module 4: Schematic Design	130 days	Thu 4/27/23	Wed 10/25/23	100%																
70	SD Submittal Development	53 days	Thu 4/27/23	Mon 7/10/23	100%																
71	Community Forum #5	1 day	Thu 5/18/23	Thu 5/18/23	100%																
72	SD Pricing Set to Estimators	1 day	Tue 7/11/23	Tue 7/11/23	100%																
73	Cost Estimate & Reconciliation	18 days	Wed 7/12/23	Fri 8/4/23	100%																
74	VE Subcommittee Meeting	1 day	Mon 8/7/23	Mon 8/7/23	100%																
75	SBC Vote to Submit SD Notification to MSBA	1 day	Thu 8/10/23	Thu 8/10/23	100%																
76	OPM Submits SD Notification to MSBA	1 day	Tue 8/15/23	Tue 8/15/23	100%																
77	SBC Vote to approve SD Submittal	1 day	Thu 8/24/23	Thu 8/24/23	100%																
78	SD Submittal to MSBA	1 day	Fri 8/25/23	Fri 8/25/23	100%																
79	DESE Special Education Review/Approval	21 days	Fri 8/25/23	Fri 9/22/23	100%																
80	MSBA SD Review	18 days	Fri 8/25/23	Tue 9/19/23	100%																
81	Address SD Comments	14 days	Wed 9/20/23	Mon 10/9/23	100%																
82	Community Forum #6	1 day	Thu 9/21/23	Thu 9/21/23	100%																
83	FAS Review MSBA	1 day	Wed 9/27/23	Wed 9/27/23	100%																
84	Community Forum #7	1 day	Thu 10/19/23	Thu 10/19/23	100%																

ID	Task Name	Duration	Start	Finish	% Comple	2021		2022		2023		2024		2025		2026		2027		2028	
						H1	H2														
85	MSBA Board Meeting - Project Scope & Budget PS&B Approval	1 day	Wed 10/25/23	Wed 10/25/23	100%																
86	Module 5: Funding the Project	54 days	Fri 9/15/23	Wed 11/29/23	100%																
87	Town Council Vote to Approve Ballot Question Language	1 day	Fri 9/15/23	Fri 9/15/23	100%																
88	District Vote on Debt Exclusion Ballot Question	1 day	Tue 11/7/23	Tue 11/7/23	100%																
89	Town Council Vote to Appropriate full Project Co	1 day	Tue 11/14/23	Tue 11/14/23	100%																
90	Certificate of Vote Sent to the MSBA	1 day	Fri 11/17/23	Fri 11/17/23	100%																
91	PSBA sent to the MSBA	1 day	Tue 11/28/23	Tue 11/28/23	100%																
92	PSBA Executed	10 days	Wed 11/29/23	Tue 12/12/23	100%																
93	CM @ Risk Procurement Process	134 days	Wed 7/26/23	Mon 1/29/24	94%																
94	OIG CMR Application	35 days	Wed 7/26/23	Tue 9/12/23	100%																
95	Draft CM @ Risk RFQ	36 days	Tue 8/29/23	Tue 10/17/23	100%																
96	Issue Ch. 149A CM @ Risk RFQ	1 day	Wed 10/18/23	Wed 10/18/23	100%																
97	RFQ Responses Due	1 day	Wed 11/15/23	Wed 11/15/23	100%																
98	Review and Qualify CM Firms	14 days	Thu 11/16/23	Tue 12/5/23	100%																
99	Issue C. 149A CM @ Risk RFP	1 day	Wed 12/6/23	Wed 12/6/23	100%																
100	RFP Responses Due	1 day	Wed 1/3/24	Wed 1/3/24	100%																
101	Review/Evaluate RFP Responses	11 days	Thu 1/4/24	Thu 1/18/24	100%																
102	CM Interviews	1 day	Fri 1/19/24	Fri 1/19/24	100%																
103	Selection and Negotiation	25 days	Mon 1/22/24	Fri 2/23/24	72%																
104	Module 6: Detailed Design	137 days	Wed 11/8/23	Thu 5/16/24	74%																
105	100% Design Development	84 days	Wed 11/8/23	Mon 3/4/24	100%																
106	Issue DD Documents to Estimators	1 day	Tue 3/5/24	Tue 3/5/24	100%																
107	Cost Estimate/Reconciliation/VE if Required	16 days	Wed 3/6/24	Wed 3/27/24	100%																
108	Submit Designer Evaluation Form (Study)	1 day	Mon 3/25/24	Mon 3/25/24	100%																
109	Cx Agent Comments on 100% DD	12 days	Tue 3/12/24	Wed 3/27/24	100%																
110	Team Responds to Cx Agent's Comments	6 days	Thu 3/28/24	Thu 4/4/24	5%																
111	SBC Approval of 100% DD Submission to MSBA	1 day	Thu 3/28/24	Thu 3/28/24	100%																
112	100% DD Submission to the MSBA	1 day	Fri 3/29/24	Fri 3/29/24	100%																
113	MSBA DD Review	21 days	Fri 3/29/24	Fri 4/26/24	0%																
114	Address DD Review Comments	14 days	Mon 4/29/24	Thu 5/16/24	0%																
115	Approvals & Permitting	200 days	Tue 4/9/24	Mon 1/13/25	0%																
116	Site Plan Review (EL Planning Board)	114 days	Tue 4/9/24	Fri 9/13/24	0%																
117	Submit NOI to Con Comm and DEP	48 days	Thu 4/11/24	Mon 6/17/24	0%																
118	Submit for NPDES Permit	14 days	Mon 5/20/24	Thu 6/6/24	0%																
119	Earth Removal Special Permit	30 days	Tue 7/2/24	Mon 8/12/24	0%																
120	Building Permit	30 days	Mon 12/23/24	Fri 1/31/25	0%																
121	60% Construction Documents	116 days	Mon 4/1/24	Mon 9/9/24	0%																
122	60% CD Development	62 days	Mon 4/1/24	Tue 6/25/24	0%																
123	Bid Early Package #1 (Enabling)	16 days	Mon 5/13/24	Mon 6/3/24	0%																
124	60% CDs to Estimators	1 day	Wed 6/26/24	Wed 6/26/24	0%																
125	Site Building Permit Issued	15 days	Wed 6/26/24	Tue 7/16/24	0%																
126	Cost estimate/Reconciliation/VE if Required	15 days	Thu 6/27/24	Wed 7/17/24	0%																
127	Cx Agent's Comments on 60% CD	10 days	Wed 6/26/24	Tue 7/9/24	0%																

ID	Task Name	Duration	Start	Finish	% Comple	2021		2022		2023		2024		2025		2026		2027		2028
						H1	H2	H1												
128	Teams Respond to Cx Agent's Comments	6 days	Wed 7/10/24	Wed 7/17/24	0%															
129	SBC Approval of 60% CD Submission to MSBA	1 day	Thu 7/18/24	Thu 7/18/24	0%															
130	60% CD Submission to MSBA	1 day	Tue 7/23/24	Tue 7/23/24	0%															
131	Bid Early Package #2 (Site, Concrete, Steel, Elevator)	15 days	Wed 7/24/24	Tue 8/13/24	0%															
132	MSBA 60% CD Review	21 days	Tue 7/23/24	Tue 8/20/24	0%															
133	Address 60% Review Comments	14 days	Wed 8/21/24	Mon 9/9/24	0%															
134	Structural Peer Review	12 days	Wed 6/26/24	Thu 7/11/24	0%															
135	Issue 60% Structural CDs to Peer Reviewer	1 day	Wed 6/26/24	Wed 6/26/24	0%															
136	Structural Steel Peer Review on 60% CDs	10 days	Thu 6/27/24	Wed 7/10/24	0%															
137	Review/Incorporate Peer Reviewer's Comm	1 day	Thu 7/11/24	Thu 7/11/24	0%															
138	Sustainable Design Milestones	730 days	Mon 1/8/24	Fri 10/23/26	0%															
139	LEED Project Registration	1 day	Mon 1/8/24	Mon 1/8/24	0%															
140	LEED Design Submission	1 day	Mon 12/16/24	Mon 12/16/24	0%															
141	Final Review Submission (3 months after SC	1 day	Fri 10/23/26	Fri 10/23/26	0%															
142	Filed Sub Bid Process	35 days	Fri 4/19/24	Thu 6/6/24	0%															
143	Issue RFQ for Filed Sub Bids	20 days	Fri 4/19/24	Thu 5/16/24	0%															
144	Prequalify Filed Subs	10 days	Fri 5/17/24	Thu 5/30/24	0%															
145	Notify Prequalified Bidders	5 days	Fri 5/31/24	Thu 6/6/24	0%															
146	90% Construction Documents	103 days	Wed 7/24/24	Fri 12/13/24	0%															
147	90% CD Development	51 days	Wed 7/24/24	Wed 10/2/24	0%															
148	NPDES Approval by EPA	1 day	Wed 7/24/24	Wed 7/24/24	0%															
149	90% CDs to Estimators	1 day	Thu 10/3/24	Thu 10/3/24	0%															
150	Full Building Permit Issued	15 days	Thu 10/3/24	Wed 10/23/24	0%															
151	Cost Estimate/Reconciliation/VE if Required	13 days	Fri 10/4/24	Tue 10/22/24	0%															
152	Cx Agent Comments on 90% CDs	10 days	Fri 10/4/24	Thu 10/17/24	0%															
153	Team Responds to Cx Agent's Comments	6 days	Fri 10/18/24	Fri 10/25/24	0%															
154	SBC Approval of 90% CD Submission to MSBA	1 day	Thu 10/24/24	Thu 10/24/24	0%															
155	90% CD Submission to MSBA	1 day	Mon 10/28/24	Mon 10/28/24	0%															
156	Bid Early Package #3 (MEP/FP)	16 days	Tue 10/29/24	Tue 11/19/24	0%															
157	MSBA 90% CD Review Comments	21 days	Mon 10/28/24	Mon 11/25/24	0%															
158	Address 90% Review Comments	14 days	Tue 11/26/24	Fri 12/13/24	0%															
159	100% Construction Documents	55 days	Tue 10/29/24	Mon 1/13/25	0%															
160	100% CD/ Bid Packages Development	24 days	Tue 10/29/24	Fri 11/29/24	0%															
161	Submit Designer Evaluation Form (Design)	1 day	Wed 12/4/24	Wed 12/4/24	0%															
162	100% CD Bidding	15 days	Mon 12/2/24	Fri 12/20/24	0%															
163	100% CD Bids Received	1 day	Mon 12/23/24	Mon 12/23/24	0%															
164	Finalize GMP	15 days	Tue 12/24/24	Mon 1/13/25	0%															
165	Module 7: Construction	856 days	Tue 6/4/24	Tue 9/14/27	0%															
166	NTP for Construction	1 day	Tue 6/4/24	Tue 6/4/24	0%															
167	Mobilization (Early Package #1)	1 day	Tue 6/11/24	Tue 6/11/24	0%															
168	Mobilization (Early Package #2)	5 days	Wed 8/14/24	Tue 8/20/24	0%															
169	Phase 1- Site & Building	500 days	Wed 8/21/24	Tue 7/21/26	0%															
170	Submit 50% DCAMM Evaluations	1 day	Thu 8/7/25	Thu 8/7/25	0%															
171	Substantial Completion (Phase 1)	1 day	Wed 7/22/26	Wed 7/22/26	0%															



ID	Task Name	Duration	Start	Finish	% Comple	2021		2022		2023		2024		2025		2026		2027		2028	
						H1	H2														
172	Certificate of Occupancy	1 day	Wed 7/29/26	Wed 7/29/26	0%																
173	Submit 100% DCAMM Evaluations	1 day	Thu 8/6/26	Thu 8/6/26	0%																
174	FF&E Installation	20 days	Wed 7/22/26	Tue 8/18/26	0%																
175	Complete Punch List (Phase 1)	25 days	Wed 7/22/26	Tue 8/25/26	0%																
176	Occupancy/Move In	1 day	Wed 8/26/26	Wed 8/26/26	0%																
177	Phase 2- Demolition, Landscape, & Hardscape	190 days	Mon 9/7/26	Fri 5/28/27	0%																
178	Complete Punch List (Phase 2)	25 days	Mon 5/31/27	Fri 7/2/27	0%																
179	Receive Final Cx Report	1 day	Tue 2/9/27	Tue 2/9/27	0%																
180	Substantial Completion (Phase 2)	1 day	Mon 5/31/27	Mon 5/31/27	0%																
181	Cx Agent's Final Inspection (10 months after SC)	1 day	Thu 5/13/27	Thu 5/13/27	0%																
182	Submit Designer Evaluation Form (Construction)	1 day	Tue 6/1/27	Tue 6/1/27	0%																
183	CM Request for Final Payment	1 day	Mon 6/21/27	Mon 6/21/27	0%																
184	Submit Final Request for Reimbursement	1 day	Tue 9/14/27	Tue 9/14/27	0%																
185	Module 8: Completing the Project	60 days	Mon 7/5/27	Fri 9/24/27	0%																

East Longmeadow High School

Project name	East Longmeadow High School 180 Maple Street East Longmeadow MA 01028
Architect	Jones Whitsett Architects
Document	DD Estimate
Estimator	Fontaine Bros.
Job size	191796 sf
Project	Academic

High School & Concession Building				
CSI Division		Cost/SF	Total Amount	
02-0000	EXISTING CONDITIONS & DEMOLITION	191,796 sf	16.60 /sf	\$ 3,184,038
03-0000	CONCRETE	191,796 sf	24.75 /sf	\$ 4,747,690
04-0000	MASONRY	191,796 sf	21.00 /sf	\$ 4,026,779
05-0000	METALS	191,796 sf	48.61 /sf	\$ 9,322,886
06-0000	ROUGH CARPENTRY	191,796 sf	4.82 /sf	\$ 924,280
06-2000	FINISH CARPENTRY	191,796 sf	7.04 /sf	\$ 1,351,040
07-0000	THERMAL & MOIST PROTECT	191,796 sf	41.32 /sf	\$ 7,924,250
07-7000	ROOF & WALL ACCESSORIES	191,796 sf	0.66 /sf	\$ 127,000
07-7000	FIRE & SMOKE PROTECTION	191,796 sf	4.98 /sf	\$ 954,793
08-0000	DOORS & WINDOWS	191,796 sf	29.70 /sf	\$ 5,697,235
09-0000	FINISHES	191,796 sf	71.28 /sf	\$ 13,671,269
10-0000	SPECIALTIES	191,796 sf	3.83 /sf	\$ 734,285
11-0000	EQUIPMENT	191,796 sf	16.40 /sf	\$ 3,144,510
12-0000	FURNISHINGS	191,796 sf	9.12 /sf	\$ 1,749,257
13-0000	SPECIAL CONSTRUCTION	191,796 sf	0.29 /sf	\$ 55,700
13-0000	CONVEYING SYSTEMS	191,796 sf	1.02 /sf	\$ 195,000
21-0000	FIRE SUPPRESSION	191,796 sf	7.85 /sf	\$ 1,506,369
22-0000	PLUMBING	191,796 sf	26.68 /sf	\$ 5,116,657
23-0000	HVAC	191,796 sf	80.26 /sf	\$ 15,393,192
26-0000	ELECTRICAL	191,796 sf	53.94 /sf	\$ 10,346,110
27-0000	COMMUNICATIONS	191,796 sf	9.37 /sf	\$ 1,797,299
28-0000	ELECTRONIC SAFETY & SECURITY	191,796 sf	8.18 /sf	\$ 1,569,762
31-0000	EARTHWORK	191,796 sf	37.48 /sf	\$ 7,189,069
32-0000	EXTERIOR IMPROVEMENTS	191,796 sf	62.68 /sf	\$ 12,021,807
33-0000	UTILITIES	191,796 sf	27.46 /sf	\$ 5,265,787
			Total Direct Cost	\$ 118,016,064
			Design Contingency	\$ 5,900,803
			Escalation	\$ 3,540,482
			Construction Contingency	\$ 2,949,868
			General Conditions / Staffing - C.1, C.2	\$ 5,088,077
			General Conditions - C.5, C.6, C.7	\$ 1,412,250
			General Requirements	\$ 4,605,000
			General Liability	\$ 1,615,053
			P&P Bonds	\$ 1,025,079
			Builders Risk Insurance	\$ 311,211
			Polution Insurance	\$ 79,646
			CM Fee	\$ 2,949,868
			Project Toal	\$ 147,493,401



East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	Amount
<u>01 - High School</u>					
02-0000.000 EXISTING CONDITIONS & DEMO					
<i>02-4116.100 Building Demolition</i>					
110	Existing Building Demolition	1.00	ls	1,750,000.00 /ls	1,750,000
	<i>Building Demolition</i>				1,750,000
<i>02-8200.110 Hazardous Materials Abatement</i>					
30	Hazmat Abatement Per Smith & Wessel Report	1.00	ls	1,303,038.00 /ls	1,303,038
30	Lead Abatement Per Smith & Wessel Report	1.00	ls	5,000.00 /ls	5,000
30	PCB Abatement Per Smith & Wessel Report	1.00	ls	10,000.00 /ls	10,000
30	Mercury Abatement Per Smith & Wessel Report	1.00	ls	8,000.00 /ls	8,000
30	Misc. Abatement Per Smith & Wessel Report	1.00	ls	8,000.00 /ls	8,000
30	Premium Time	1.00	ls	100,000.00 /ls	100,000
	<i>Hazardous Materials Abatement</i>				1,434,038
EXISTING CONDITIONS & DEMO					3,184,038
03-0000.000 CONCRETE					
<i>03-0010.110 General Concrete</i>					
110	Concrete Engineering and Layout	1.00	cd	1,250.00 /cd	1,250
110	Misc. Concrete Accessories	1.00	ls	7,500.00 /ls	7,500
110	Winter Conditions - Allowance	1.00	ls	100,000.00 /ls	100,000
110	Concrete Supervision / GCs	1.00	ls	50,000.00 /ls	50,000
110	Concrete Equipment	1.00	ls	35,000.00 /ls	35,000
110	Drill and Epoxy Dowels	1.00	ls	10,000.00 /ls	10,000
110	60-100% CD Bridging Allowance	1.00	ls	250,000.00 /ls	250,000
	<i>General Concrete</i>				453,750
<i>03-0010.160 Concrete Budget- Stairs & Landings</i>					
105	Stairs and Landings	4.00	Flt	8,000.00 /Flt	32,000
	<i>Concrete Budget- Stairs & Landings</i>				32,000
<i>03-0022.140 Concrete - Form and Finish Flatwork</i>					
100	Place & Finish - SOG	140,160.00	sf	7.00 /sf	981,120
100	Place & Finish - SOD	52,800.00	sf	7.00 /sf	369,600
100	Place & Finish - Roof MEP Pads	21,363.00	sf	7.00 /sf	149,541
100	Place & Finish - SOG - 1" Recess at PT-1	17,300.00	sf	2.25 /sf	38,925
	<i>Concrete - Form and Finish Flatwork</i>				1,539,186
<i>03-1113.102 Forms- Footing</i>					
10	Form & Place - Isolated Footings	8,480.00	sf	18.00 /sf	152,640
10	Form & Place - Footings	4,880.00	sf	18.00 /sf	87,840

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
03-1113.102	<i>Forms- Footing</i>				
	10 Form & Place - Piers	2,808.00 sf	18.00 /sf	50,544	
	10 Form & Place Elevator Pit Slab	100.00 sf	18.00 /sf	1,800	
	10 Form & Place - Grade Beam	1,500.00 sf	18.00 /sf	27,000	
	<i>Forms- Footing</i>			<u>319,824</u>	
03-1113.180	<i>Forms- Wall Forms</i>				
a 4	Form & Place - Frost Wall Foundations	19,504.00 sf	18.00 /sf	351,072	
a 4	Form & Place Elevator Pit Walls	480.00 sf	18.00 /sf	8,640	
	<i>Forms- Wall Forms</i>			<u>359,712</u>	
03-1113.630	<i>Vapor Barrier</i>				
	12 15 mil Vapor Barrier	140,160.00 sf	0.95 /sf	133,152	
	<i>Vapor Barrier</i>			<u>133,152</u>	
03-1113.635	<i>Rigid Insulation</i>				
	120 Rigid Insulation SOG - 2" - Full Coverage Minus 6' Perim.	125,520.00 sf	3.50 /sf	439,320	
	120 Rigid Insulation - Perimeter Walls, 4"	9,996.00 sf	5.00 /sf	49,980	
	120 Rigid Insulation SOG - 4" @ Perimeter Only, 6' Width	14,640.00 sf	5.00 /sf	73,200	
	120 Rigid Insulation - 4" - Full Coverage - Concession	1,292.00 sf	5.00 /sf	6,460	
	<i>Rigid Insulation</i>			<u>568,960</u>	
03-2100.110	<i>Rebar</i>				
	202 Rebar - Walls & Footings	89.00 ton	2,500.00 /ton	222,500	
	202 Rebar - Walls & Footings, Concession	2.89 ton	2,500.00 /ton	7,225	
	208 Purchase Misc. SOG Rebar	140,160.00 sf	0.65 /sf	91,104	
	210 Rebar At SOD	52,800.00 sf	0.65 /sf	34,320	
	<i>Rebar</i>			<u>355,149</u>	
03-2200.110	<i>Wire Mesh</i>				
	110 WWF Reinforcement - SOG	161,184.00 sf	1.00 /sf	161,184	
	110 WWF Reinforcement - SOD	60,720.00 sf	1.00 /sf	60,720	
	<i>Wire Mesh</i>			<u>221,904</u>	
03-3000.100	<i>Concrete Material</i>				
	30 Purchase Concrete Material - Footings	837.00 cy	135.00 /cy	112,995	
	30 Purchase Concrete Material - Walls	642.00 cy	135.00 /cy	86,670	
	30 Purchase Concrete Material - SOG - 5"	2,561.00 cy	135.00 /cy	345,735	
	30 Purchase Concrete Material - SOD, Light Weight	886.00 cy	135.00 /cy	119,610	
	30 Purchase Concrete Material - SOD - Roof MEP Pads	337.00 cy	135.00 /cy	45,495	

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	Amount
	<i>Concrete Material</i>				710,505
03-6110.100	<i>Hand Grout Equip</i>				
500	Grout Elevator Sill Angles	2.00	ea	350.00 /ea	700
	<i>Hand Grout Equip</i>				700
	CONCRETE				4,694,842
04-0000.000	MASONRY				
04-2113.120	<i>Brick & Block</i>				
110	Exterior Mock up - Masonry Allowance	1.00	ls	50,000.00 /ls	50,000
110	Brick Veneer - Typical	36,596.00	sf	44.00 /sf	1,610,224
110	Brick Veneer - Accent	8,947.00	sf	49.00 /sf	438,403
110	Stone / Granite Base	2,388.00	lf	251.256 /lf	600,000
110	Pre-cast bands	2,580.00	lf	75.00 /lf	193,500
110	Pre-cast Sills	1,675.00	lf	75.00 /lf	125,625
	<i>Brick & Block</i>				3,017,752
04-2200.080	<i>CMU Block</i>				
102	M8R - 8" CMU Lightweight	1,240.00	sf	32.00 /sf	39,680
102	M4 - 4" CMU	5,126.00	sf	28.00 /sf	143,528
102	M6 - 6" CMU	5,485.00	sf	29.00 /sf	159,065
102	M6A - 6" CMU	2,926.00	sf	29.00 /sf	84,854
102	M8 - 8" CMU	2,670.00	sf	30.00 /sf	80,100
102	M8A - 6" CMU	854.00	sf	30.00 /sf	25,620
	<i>CMU Block</i>				532,847
04-9590.110	<i>Staging</i>				
5	Exterior Staging	75,000.00	sf	3.50 /sf	262,500
5	Masonry Staging - Interior	22,000.00	sf	3.50 /sf	77,000
	<i>Staging</i>				339,500
	MASONRY				3,890,099
05-0000.000	METALS				
05-1200.110	<i>Structural Steel</i>				
a 01	Structural Steel, W Shapes - B1010 Floor Steel	374.00	ton	5,600.00 /ton	2,094,400
a 01	Structural Steel, W Shapes, Columns & Bracing - B1020 Roof	290.00	ton	5,600.00 /ton	1,624,000
a 01	Structural Steel, Long Span Joists, Allowance (6 psf)	78.00	ton	5,600.00 /ton	436,800
a 01	Structural Steel - Roof Screen	18.50	ton	6,500.00 /ton	120,250
a 01	Structural Steel - Columns & Bracing - B1010	252.00	ton	5,600.00 /ton	1,411,200
a 01	60-100% CD Bridging Allowance	1.00	ls	300,000.00 /ls	300,000
a 01	Structural Steel Field Work	1.00	ls	125,000.00 /ls	125,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total <u>Amount</u>
	<i>Structural Steel</i>			<u>6,111,650</u>
05-3100.110	<i>Steel Roof Decking</i>			
	320 Metal Roof Deck - 3" 18 ga.	129,430.00	6.50 /sf	841,295
	320 Metal Roof Deck - 3" 18 ga. R3CA (Accoustical)	16,400.00	12.00 /sf	<u>196,800</u>
	<i>Steel Roof Decking</i>			<u>1,038,095</u>
05-3100.114	<i>Steel Floor Decking</i>			
	618 Metal Floor Deck - 3" 18 ga.	51,200.00	8.00 /sf	<u>409,600</u>
	<i>Steel Floor Decking</i>			<u>409,600</u>
05-5113.100	<i>Stairs & Ladders</i>			
	10 Stairs and Rails - Stair 1	1.00	80,000.00 /Ft	80,000
	10 Stairs and Rails - Stair 2	1.00	80,000.00 /Ft	80,000
	10 Stairs and Rails - Stair 3	1.00	80,000.00 /Ft	80,000
	10 Stairs and Rails - Stair 4, Circulation	1.00	80,000.00 /Ft	80,000
	10 Stair Railings - Inc. in flight Cost			
	<i>Stairs & Ladders</i>			<u>320,000</u>
05-5820.120	<i>Misc Steel</i>			
	10 Misc. Metals Allowance	191,796.00	2.25 /sf	431,541
	10 Catwalk, Railings & Ladder Allowance	1,140.00	150.00 /sf	171,000
	10 Bollard - Bus Drop Off - 6" Dia. x 36" Type B	95.00	1,250.00 /ea	118,750
	10 Bollard - Loading Dock & Transformer - 6" Dia. x 48"	9.00	1,250.00 /ea	11,250
	10 Misc. Metals Coordination	1.00	300,000.00 /ls	300,000
	140 Loose Lintels - Masonry	1,865.00	35.00 /lf	65,275
	140 Overhead Door supports	2.00	3,500.00 /ea	7,000
	140 Unistrut Ceiling Systems	925.00	75.00 /lf	69,375
	140 Misc. Sliding Door Support	1.00	2,500.00 /ea	2,500
	140 Exterior Louvers, Allowance	1.00	65,000.00 /ls	65,000
	140 Metal Guard Railings	300.00	400.00 /lf	120,000
	140 Patient Lift Support	1.00	2,500.00 /ls	2,500
	140 Misc. Pivot Door Support, Dressing	4.00	1,500.00 /ea	<u>6,000</u>
	<i>Misc Steel</i>			<u>1,370,191</u>
05-5820.125	<i>Misc. Elevator Steel</i>			
	22 Sill Angles	2.00	1,750.00 /ea	3,500
	22 Sump Pit Frame Grate	1.00	1,000.00 /ea	1,000
	22 Hoist Beam	1.00	1,800.00 /ea	1,800
	22 Pit Ladders	1.00	2,800.00 /ea	<u>2,800</u>
	<i>Misc. Elevator Steel</i>			<u>9,100</u>
METALS				<u>9,258,636</u>

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
06-0000.000 ROUGH CARPENTRY				
<i>06-0000.010 Carpentry</i>				
	2 In Wall And Misc. Blocking	191,796.00	sf 1.00 /sf	191,796
	2 Roof Blocking	143,500.00	sf 1.50 /sf	215,250
	2 General Carpentry / Safety	191,796.00	sf 1.50 /sf	287,694
	<i>Carpentry</i>			694,740
 <i>06-1533.110 Misc. Framing</i>				
t 2x 4 RL	Window/Storefront Blocking	8,164.00	lf 10.00 /lf	81,640
	<i>Misc. Framing</i>			81,640
	148.956 Labor hours			
 <i>06-1813.110 Glu-Lam Members</i>				
50-11	Glu-Lam 8.75" x 33" - Lobby	580.00	lf 255.00 /lf	147,900
	<i>Glu-Lam Members</i>			147,900
	2,429.689 Labor hours			
	ROUGH CARPENTRY			924,280
	2,578.645 Labor hours			
 06-2000.000 FINISH CARPENTRY				
<i>06-2000.010 Finish Carpentry</i>				
	2 Custom Media Center Desk	16.00	lf 900.00 /lf	14,400
	2 Custom CO Admin Desk	37.00	lf 900.00 /lf	33,300
	2 Custom Waiting Room Desk	28.00	lf 900.00 /lf	25,200
	2 Custom SPED Admin Desk	37.00	lf 900.00 /lf	33,300
	2 Custom Copy Room Desk	11.00	lf 900.00 /lf	9,900
	2 Wood Benches	45.00	lf 350.00 /lf	15,750
	2 Custom Pre-K Cubbies/Storage	19.00	lf 400.00 /lf	7,600
	2 Custom Display Cases	56.00	lf 550.00 /lf	30,800
	2 Custom Bench Seating	100.00	lf 1,400.00 /lf	140,000
	2 Shelving System	25.00	lf 150.00 /lf	3,750
	2 Custom Bookcases	67.00	lf 750.00 /lf	50,250
	2 Typical Base Cabinets w/PLAM Tops	315.00	lf 505.637 /lf	159,276
	2 Typical Wall Cabinets	158.00	lf 483.769 /lf	76,435
	2 Worktops w/Brackets - PLAM	61.00	lf 250.00 /lf	15,250
	2 Typical Tall Cabinets	560.00	lf 900.00 /lf	504,000
	2 Custom Mailbox	1.00	ls 7,500.00 /ls	7,500
	2 Custom Butcherblock Worktops	15.00	lf 450.00 /lf	6,750
	2 Solid Surface Worktops w/Brackets	55.00	lf 300.00 /lf	16,500
	2 Homasote Paneling	314.00	sf 12.00 /sf	3,768
	2 Art Display Railings	180.00	lf 35.00 /lf	6,300
	2 Solid Surface Window Sills	1,400.00	lf 50.00 /lf	70,000
	2 Hardwood Trim, windows	2,900.00	lf 32.00 /lf	92,800
	2 Guardrail Cap	300.00	lf 20.00 /lf	6,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total <u>Amount</u>
	<i>Finish Carpentry</i>			1,328,829
	FINISH CARPENTRY			1,328,829
07-0000.000	THERMAL & MOIST PROTECT			
<i>07-1100.100</i>	<i>Damproofing and Waterproofing</i>			
	2 Damproofing/Coverboard At Frost Walls			
	2 Elevator Pit Waterptoofting	1.00	ea	6,500
	2 Damproofing at Recessed Areas (Auditorium)	2,600.00	sf	22,100
	<i>Damproofing and Waterproofing</i>			<u>28,600</u>
<i>07-2116.210</i>	<i>Insulation</i>			
	2 6" Mineral Wool Board Insulation	78,000.00	sf	351,000
	2 3-1/2" Mineral Wool Batt Insul - See Drywall		4.50 /sf	
	<i>Insulation</i>			<u>351,000</u>
<i>07-2700.100</i>	<i>Air Barriers</i>			
	10 Building Air Barrier	78,000.00	sf	624,000
	<i>Air Barriers</i>		8.00 /sf	<u>624,000</u>
<i>07-4616.100</i>	<i>Composite Wall Panel</i>			
	2 Metal Panels - Corrugated	17,464.00	sf	1,571,760
	2 Metal Panels, Wood Look (Includes Soffits)	720.00	sf	100,800
	2 Metal Panels, Corrugated / Perforated - Roof Screen	3,500.00	sf	315,000
	2 Metal Panels	5,736.00	sf	688,320
	<i>Composite Wall Panel</i>		120.00 /sf	<u>2,675,880</u>
<i>07-5300.100</i>	<i>Roofing</i>			
	2 ERA1 / 1a - PVC Roofing, 1/2" Coverboard, 8-1/2" Insulation	118,821.00	sf	2,970,525
	2 ERA1b - PVC Roofing, 1/2" Coverboard, 8-1/2" Insulation	16,375.00	sf	409,375
	2 ERA2 - PVC Roofing, 1/2" Coverboard & 1/2" Plywood	1,035.00	sf	18,630
	2 5/8" Roof Substrate - Under Vapor Barrier, Type 1 & 1a	119,000.00	sf	476,000
	2 PVC Roofing - Exterior Wall Areas	4,180.00	sf	75,240
	<i>Roofing</i>		18.00 /sf	<u>3,949,770</u>
<i>07-6200.100</i>	<i>Flashing- Aluminum</i>			
	2 Roof Edge Metal	4,000.00	lf	140,000
	2 Roof Flashing	119,000.00	sf	119,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
	<i>Flashing- Aluminum</i>			259,000
	THERMAL & MOIST PROTECT			7,888,250
07-7000.000	ROOF & WALL ACCESSORIES			
<i>07-7200.100</i>	<i>Roof Accessories</i>			
	10 Roof Hatch			
	10 Bird Control, Electric Bird Deterrent by Nixalite			
	20 Roof Walkway pads	5,800.00	sf 15.00 /sf	87,000
	20 Auto Roof Vents @ Stage	4.00	ea 10,000.00 /ea	40,000
	<i>Roof Accessories</i>			127,000
	ROOF & WALL ACCESSORIES			127,000
07-8000.000	FIRE & SMOKE PROTECTION			
<i>07-8100.001</i>	<i>Fire Stopping</i>			
	002 Misc. Fire Stopping	191,796.00	sf 0.50 /sf	95,898
	<i>Fire Stopping</i>			95,898
<i>07-8100.100</i>	<i>Fireproofing</i>			
	2 Fireproofing - Spray Applied, Beams & Columns	51,200.00	sf 3.25 /sf	166,400
	2 Fireproofing - Spray Applied, Beams, Columns & Regular Decking	105,000.00	sf 3.25 /sf	341,250
	2 Fireproofing Not yet Detailed - Allowance	1.00	ls 30,000.00 /ls	30,000
	2 Expansion Joints - Building	1.00	ls 50,000.00 /ls	50,000
	<i>Fireproofing</i>			587,650
<i>07-9200.100</i>	<i>Interior Caulking</i>			
	40 Misc. Interior Caulking	191,796.00	sf 0.75 /sf	143,847
	<i>Interior Caulking</i>			143,847
<i>07-9200.200</i>	<i>Exterior Caulking</i>			
	2 Misc. Exterior Joint/Control Joint sealants & Caulking	191,796.00	sf 0.50 /sf	95,898
	<i>Exterior Caulking</i>			95,898
<i>07-9513.100</i>	<i>Expansion Covers</i>			
	12 Expansion Joints - Allow	1.00	ls 25,000.00 /ls	25,000
	12 Expansion Joints - Roof, Allow	1.00	ls 6,500.00 /ls	6,500
	<i>Expansion Covers</i>			31,500

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
Total				
FIRE & SMOKE PROTECTION				954,793
08-0000.000	DOORS & WINDOWS			
<i>08-1100.300</i>	<i>Doors- HM Doors & Frames</i>			
220	FRAMES			
220	Exterior - Typical Single	1.00	ea 350.00 /ea	350
220	Exterior - Typical Double	2.00	ea 1,250.00 /ea	2,500
220	EXTERIOR DOORS			
220	DOORS			
220	Type 1 - Single Door HM 3-0x7-0 - Flush	19.00	ea 740.00 /ea	14,060
220	Single Door HM 3-0x7-0 - Flush, Insulated	1.00	ea 750.00 /ea	750
220	Type 2 - Single Door HM 3-0x7-0 - Vented	44.00	ea 740.00 /ea	32,560
220	Double Door HM 6-0x7-0 - Flush, Insulated	2.00	pr 1,600.00 /pr	3,200
220	Exterior Door Install	3.00	ea 1,250.00 /ea	3,750
220	Type 6 - Double Door HM 6-0x7-0, Flush	9.00	pr 1,470.00 /pr	13,230
220	Type 7 - Double Door HM 6-0x7-0 - Full Lite	7.00	pr 1,700.00 /pr	11,900
220	Type 1 - Single Door WOOD 3-0x7-0 - Flush	162.00	ea 740.00 /ea	119,880
220	Type 3 - Single Door WOOD 3-0x7-0 - Vision Panel	27.00	ea 740.00 /ea	19,980
220	Type 4 - Single Door WOOD 3-0x7-0, Half Lite	25.00	pr 1,470.00 /pr	36,750
220	Type 7 - Double Door WOOD 6-0x7-0 - Full Lite	8.00	pr 1,700.00 /pr	13,600
220	Type 9 - Double Door HM 6-0x7-0 - Vision Panel	12.00	pr 1,500.00 /pr	18,000
220	Dressing Room Doors - Allow	4.00	ea 5,000.00 /ea	20,000
220	FRAMES			
220	Frame A - Typical Single	249.00	ea 350.00 /ea	87,150
220	Frame D - Typical Double Door	21.00	ea 400.00 /ea	8,400
220	Frame E - Double Door w/Transome	16.00	ea 750.00 /ea	12,000
220	Frame G - Single Door w/ 7'x5' Side lite	12.00	ea 1,200.00 /ea	14,400
220	Frame H - Double Door w/Side Lites & Transome	7.00	ea 1,500.00 /ea	10,500
	<i>Doors- HM Doors & Frames</i>			<u>442,960</u>
<i>08-3500.100</i>	<i>Doors Overhead</i>			
50	Overhead Coiling Doors 10' x 8', Servery	2.00	ea 12,500.00 /ea	25,000
50	Overhead Door - 10' x 11'-6"	1.00	ea 10,000.00 /ea	10,000
50	Overhead Door - 8' x 8'	1.00	ea 7,000.00 /ea	7,000
	<i>Doors Overhead</i>			<u>42,000</u>
<i>08-3513.023</i>	<i>Folding Doors</i>			
001	Folding Wall 16' x 8', Alt PE	1.00	ea 25,000.00 /ea	25,000
	<i>Folding Doors</i>			<u>25,000</u>
<i>08-4100.100</i>	<i>Storefronts- Aluminum</i>			
10	Storefront Doors - Single	2.00	ea 4,000.00 /ea	8,000
10	Interior Storefront - Standard	2,480.00	sf 120.00 /sf	297,600
10	Interior Storefront - Premium for School Guard Glass	750.00	sf 40.00 /sf	30,000
10	Storefront Doors - Double	11.00	pr 8,000.00 /pr	88,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
08-4100.100	<i>Storefronts- Aluminum</i>				
	30 Curtain Wall - Typical	6,400.00 sf	225.00 /sf	1,440,000	
	30 Interior Storefront Doors - Pair	14.00 ea	8,000.00 /ea	112,000	
	30 Interior Storefront Doors - Single	3.00 ea	4,000.00 /ea	12,000	
	30 Aluminum Door Hardware - Allowance per Leaf	31.00 ea	1,500.00 /ea	46,500	
	30 Storefront Sunshades - Horizontal, South Elevation	960.00 lf	125.00 /lf	120,000	
	30 Storefront Sunshades - Horizontal, West Elevation	225.00 lf	125.00 /lf	28,125	
	30 Storefront Sunshades - Horizontal, Building Mounted Typ.	640.00 lf	280.00 /lf	179,200	
	30 School Guard Premium	1,000.00 sf	70.00 /sf	70,000	
	<i>Storefronts- Aluminum</i>			2,431,425	
08-5113.100	<i>Windows</i>				
	10 Exterior Aluminum Windows (Triple Glazed)	9,050.00 sf	185.00 /sf	1,674,250	
	<i>Windows</i>			1,674,250	
08-6200.100	<i>Skylights</i>				
	30 Skylights Pyramidal / Dome Style Fixed - Allowance	6.00 ea	4,000.00 /ea	24,000	
	<i>Skylights</i>			24,000	
	0.75 Labor hours				
08-7100.090	<i>Finish Hardware</i>				
	10 Double Interior Door Hardware Allowance	36.00 ea	2,250.00 /ea	81,000	
	10 Single Interior Door Hardware Allowance	277.00 ea	1,500.00 /ea	415,500	
	10 Exterior Aluminum Door Hardware Allow	13.00 ea	1,700.00 /ea	22,100	
	10 Auto Openers Allowance	5.00 lfs	3,500.00 /lfs	17,500	
	10 Exterior Door Hardware Allowance	5.00 ea	1,600.00 /ea	8,000	
	10 Unload & Organize Hardware	1.00 ls	5,500.00 /ls	5,500	
	10 Door & Hardware Install	313.00 ea	500.00 /ea	156,500	
	<i>Finish Hardware</i>			706,100	
08-8100.100	<i>Glazing- Glass</i>				
	100 Vision, Transom & Sidelite Glazing	1,000.00 sf	45.00 /sf	45,000	
	100 Interior Borrowed Lite Frames	96.00 ea	1,000.00 /ea	96,000	
	100 Transaction window 4'x4'	3.00 ea	6,000.00 /ea	18,000	
	100 Alt PE Plate Mirrors, 31' x 8'	248.00 sf	50.00 /sf	12,400	
	100 Interior Borrowed Lites, IA - 23sf Each	69.00 sf	75.00 /sf	5,175	
	100 Interior Borrowed Lites, IB - 17sf Each	153.00 sf	75.00 /sf	11,475	
	100 Interior Borrowed Lites, IC - 10sf Each	540.00 sf	75.00 /sf	40,500	
	100 Interior Borrowed Lites, ID - 12sf Each	36.00 sf	75.00 /sf	2,700	
	100 Interior Borrowed Lites, IE - 28sf Each	616.00 sf	75.00 /sf	46,200	
	100 Interior Borrowed Lites, IF - 45sf Each	90.00 sf	75.00 /sf	6,750	
	100 Interior Borrowed Lites, IG - 42sf Each	42.00 sf	75.00 /sf	3,150	
	100 Interior Borrowed Lites, IH - 18sf Each, Sliding Acoustic Windows	36.00 sf	100.00 /sf	3,600	

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
	<i>Glazing- Glass</i>			290,950
DOORS & WINDOWS				5,636,685
	0.75 Labor hours			
09-0000.000	FINISHES			
<i>09-2000.010</i>	<i>Drywall Partitions</i>			
100	Exterior Walls			
100	6" LGMF, 3-1/2" Mineral Batts, 5/8" Interior Face	77,800.00	sf	24.00 /sf 1,867,200
100	Exterior Dens-Glass Sheathing	77,800.00	sf	4.00 /sf 311,200
100	Misc. Drywall Scope			
100	Plywood Backers, Allowance	1,000.00	sf	15.00 /sf 15,000
100	Install HM Frames - Borrowed Lites	107.00	ea	150.00 /ea 16,050
100	Install HM Frames - Doors	303.00	ea	150.00 /ea 45,450
100	FRP - Kitchen, Janitor Closets	4,825.00	sf	18.00 /sf 86,850
100	INTERIOR PARTITIONS			
100	C3A - 3-5/8" LGMF, Insul, 2 Layer GWB one face	18,122.00	sf	15.00 /sf 271,830
100	C3C - 3-8/8" LGMF, Insul, 1/2" Cement Board one face	270.00	sf	15.00 /sf 4,050
100	C4H - 6" LGMF, Insul, 5/8" GWB	328.00	sf	20.00 /sf 6,560
100	G4E - 3-5/8" LGMF, Insul, 1 Layer GWB Ea Face	328.00	sf	20.00 /sf 6,560
100	G4C - 3-5/8" LGMF, Insul, 1 Layer GWB, 1 Layer Cement Board	328.00	sf	20.00 /sf 6,560
100	G6 - 6" LGMF, Insul, 1 Layer GWB Ea Face	38,030.00	sf	21.50 /sf 817,645
100	G6A - 6" LGMF, Insul, 1 Layer GWB, 2 Layers GWB	59,317.00	sf	20.50 /sf 1,215,999
100	G6B - 6" LGMF, Insul, 2 Layers GWB Ea Face	25,951.00	sf	20.00 /sf 519,020
100	G6D - 6" LGMF, 2 Layers GWB, 1 Layer Cement Board	10,240.00	sf	20.00 /sf 204,800
100	G6E - 6" LGMF, 1 Layer GWB, 1 Layer Cement Board	1,380.00	sf	20.00 /sf 27,600
100	G6F - 6" LGMF, 1 Layer Cement Board Ea Face	145.00	sf	20.00 /sf 2,900
100	G6R - 6" LGMF, Insul, 1 Layer GWB Ea Face, 1 HR Rated	915.00	sf	22.00 /sf 20,130
100	G6R2 - 6" LGMF, Insul, 1 Layer GWB Ea Face, 2 HR Rated	5,465.00	sf	22.00 /sf 120,230
100	G10B - 6" & 2-1/2" Double Stud, Insul, 1 Layer GWB, 2 Layers GWB	7,620.00	sf	25.00 /sf 190,500
100	G12A - 6" & 2-1/2" Double Stud, Insul, 1 Layer GWB, 2 Layers GWB	8,472.00	sf	25.00 /sf 211,800
100	G12B - 6" & 2-1/2" Double Stud, Insul, 2 Layers GWB Ea Face	10,795.00	sf	25.00 /sf 269,875
100	G12E - 6" & 2-1/2" Double Stud, Insul, 1 Layer Cement Board Ea Face	115.00	sf	25.00 /sf 2,875
100	G14B - 6" & 3-5/8" Double Stud, Insul, 2 Layers GWB Ea Face	6,790.00	sf	25.00 /sf 169,750
100	G18B - Not Specified	350.00	sf	25.00 /sf 8,750
100	P10C - 3-5/8" LGMF, Double Stud, 1 Layer Cement, 1 Layer GWB	3,526.00	sf	28.00 /sf 98,728
100	P11E - 3-5/8" LGMF, Double Stud, 1 Layer Cement, 1 Layer GWB	1,082.00	sf	28.00 /sf 30,296

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
<i>09-2000.010 Drywall Partitions</i>					
100	Soffit Framing	2,900.00 sf	10.00 /sf		29,000
100	Soffit Dens-Glass	2,900.00 sf	5.00 /sf		14,500
	<i>Drywall Partitions</i>				6,591,708
<i>09-3100.100 Wall Tile</i>					
50	Porcelain Wall Tile - Corridors - 42" aff	12,229.00 sf	32.00 /sf		391,328
50	Ceramic Wall Tile - Restrooms	8,760.00 sf	32.00 /sf		280,320
50	Ceramic Wall Tile - Class Room Entries, Glazed Tile	5,470.00 sf	35.00 /sf		191,450
	<i>Wall Tile</i>				863,098
<i>09-3100.200 Tile</i>					
10	Ceramic Floor Tile	0.00 sf			
10	Crack Isolation Membrane (Porcelain Tile)	26,795.00 sf	5.00 /sf		133,975
10	Tile Base	2,400.00 lf	20.00 /lf		48,000
10	PT-1, Porcelain tile, French Grey; 12X24 & 24X24; Grip Finish	19,735.00 sf	35.00 /sf		690,725
10	PT-2, MATTE 12X24 RUNNING BOND	7,060.00 sf	35.00 /sf		247,100
30	Floor Protection	26,795.00 sf	0.75 /sf		20,096
	<i>Tile</i>				1,139,896
<i>09-5000.110 Ceilings</i>					
2	ACT1 - Standard 2x2	123,060.00 sf	6.25 /sf		769,125
2	ACT2 - Washable 2x2	10,200.00 sf	7.50 /sf		76,500
2	Drywall Ceilings	4,540.00 sf	25.00 /sf		113,500
2	Drywall Ceilings, 1 HR	985.00 sf	25.00 /sf		24,625
2	Misc. Soffiting	191,796.00 sf	1.00 /sf		191,796
2	Acoustic Spray Applied Insulation	5,200.00 sf	24.590 /sf		127,869
2	Metal Panel Ceilings - Wood look	770.00 sf	55.00 /sf		42,350
2	Metal Panel Ceilings	694.00 sf	52.00 /sf		36,088
2	Wood Slat Ceiling				
	<i>Ceilings</i>				1,381,853
<i>09-6000.100 Floors - Moisture Mitigation</i>					
2	Floors Moisture Mitigation Testing	50.00 loc	100.00 /loc		5,000
2	Floors - Moisture Mitigation - NIC				
	<i>Floors - Moisture Mitigation</i>				5,000
<i>09-6400.100 Flooring- Wood</i>					
145	Maple Flooring on two layers plywood & Res. Pads w/Vapor Barrier	12,000.00 sf	21.00 /sf		252,000
145	Hardwood floor at stage	1,650.00 sf	45.00 /sf		74,250
145	Floor Protection	13,650.00 sf	0.75 /sf		10,238

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	<i>Flooring- Wood</i>				<u>336,488</u>
09-6500.100	<i>Flooring- Resilient</i>				
	2 R-1, 992 GRANO 9MM; 39.45" x 39.45" Tile; 5302 ANGELICA ROOT	4,472.00	sf	14.00 /sf	62,608
	2 R-2, 992 grano 9mm; 5303 Frankincense	3,330.00	sf	14.00 /sf	46,620
	2 R-3, ENVIRONCARE; 24 X 24; 7041 WHALE WATCH	13,075.00	sf	14.00 /sf	183,050
	2 R-4, 24" x 24" - 2-3/4" Thickness, GenieMat 70	1,014.00	sf	40.00 /sf	40,560
	2 Linoleum Sheet, L-1, Concrete 3704 Satellite & Concrete 3705 Meteorite	16,910.00	sf	8.00 /sf	135,280
	2 Linoleum Sheet, L-2, 3120 ROSATO	37,320.00	sf	8.00 /sf	298,560
	2 Linoleum Sheet, L-3, 3761 TITAN	3,095.00	sf	8.00 /sf	24,760
	2 Linoleum Sheet, L-4, 5255 DESERT SAND	4,050.00	sf	8.00 /sf	32,400
	2 Linoleum Sheet, L-5, 2629 Eiger	3,550.00	sf	8.00 /sf	28,400
	2 Floor Minor Preparation	86,816.00	sf	1.50 /sf	130,224
	2 Floor Protection	86,816.00	sf	0.75 /sf	65,112
	<i>Flooring- Resilient</i>				<u>1,047,574</u>
09-6500.110	<i>Flooring Base</i>				
	2 Resilient Base	22,072.00	lf	3.00 /lf	66,216
	<i>Flooring Base</i>				<u>66,216</u>
09-6500.200	<i>Flooring- Resilient Stair</i>				
	2 Rubber Stair Treads & Landings	2.00	fts	5,000.00 /fts	10,000
	<i>Flooring- Resilient Stair</i>				<u>10,000</u>
09-6543.100	<i>Specialty Flooring</i>				
	002 Seal concrete	11,765.00	sf	3.50 /sf	41,178
	002 Stained Concrete	1,106.00	sf	5.00 /sf	5,530
	002 Polished Concrete	2,500.00	sf	10.00 /sf	25,000
	<i>Specialty Flooring</i>				<u>71,708</u>
09-6616.110	<i>Terrazzo</i>				
	2 Terrazzo Treads & Landing, Monument Stairs & Cafe Stairs	2.00	fts	15,000.00 /fts	30,000
	<i>Terrazzo</i>				<u>30,000</u>
09-6700.110	<i>Flooring- Fluid Applied</i>				
	10 Epoxy Flooring, Duraflex / Duraquartz, Integral Base	3,915.00	sf	16.00 /sf	62,640
	<i>Flooring- Fluid Applied</i>				<u>62,640</u>
09-6800.100	<i>Flooring - Carpet</i>				

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
				Total
<i>09-6800.100</i>	<i>Flooring - Carpet</i>			
f 10	Carpet, CPT-1 IN TUNE, TOGETHER 50210; 9X36 ASHLAR	1,488.00	49.50 /sy	73,656
f 10	Carpet, CPT-2 ALONGSIDE, TOGETHER 50210; 9x36 ASHLAR	368.00	49.50 /sy	18,216
f 10	Carpet, CPT-3 IN TUNE, INCLUDE 50678 9X36 ASHLAR	992.00	49.50 /sy	49,104
f 10	Carpet, CPT-4 ALONGSIDE, INCLUDE,50100 9x36 ASHLAR	112.00	49.50 /sy	5,544
f 10	Carpet, CPT-5 IN TUNE, CONNECT 50505, 9X36 ASHLAR	264.00	49.50 /sy	13,068
f 10	Carpet, CPT-6 - Forbo Flotex - TBD; 24 x 24	2,448.00	7.20 /sf	17,626
f 10	Floor Protection	29,640.00	0.75 /sf	22,230
f 10	Carpet, Extra Materials 3%	94.00	49.50 /sy	4,653
	<i>Flooring - Carpet</i>			<i>204,097</i>
<i>09-8400.100</i>	<i>Acoustical Panels</i>			
2	Fabric Wrapped Acoustic Panels, Band, Chorus, Auditorium	1,145.00	45.00 /sf	51,525
2	Wood Veneer Acoustic Panels ASI - Auditorium, LGI, Media Center Allowance	3,370.00	100.00 /sf	337,000
2	Wood Paneling, Rulon - Gym, Alt PE, Cafeteria, LGI, Allowance	4,425.00	80.00 /sf	354,000
2	Acoustical Shaped Panels, Allowance	100.00	150.00 /ea	15,000
2	Sound Diffusing / Reflective Panels - Ceiling	1,775.00	55.00 /sf	97,625
2	Wood Slat Veneer Acoustic Panels, Rulon - Lobby	2,500.00	130.00 /sf	325,000
2	Acoustic Panels, Tectum	1,620.00	40.00 /sf	64,800
	<i>Acoustical Panels</i>			<i>1,244,950</i>
<i>09-9123.200</i>	<i>Painting - Interior and Exterior</i>			
10	Paint Walls	466,384.00	0.85 /sf	396,426
10	Paint Touch up Allowance	1.00	25,000.00 /ls	25,000
10	Paint Walls, Block Filler	3,531.00	0.85 /sf	3,001
10	Paint Walls, Block Filler	3,531.00	0.85 /sf	3,001
20	Paint GYB Ceilings	6,479.00	2.00 /sf	12,958
20	Paint Exposed Ceilings	57,481.00	1.00 /sf	57,481
30	Paint Pan Stairs & Rails	4.00	2,000.00 /Flt	8,000
40	Paint Door(s) And Frame(s) - Single	277.00	200.00 /ea	55,400
40	Paint Door(s) And Frame(s) - Pair	36.00	400.00 /pr	14,400
40	Paint Door(s) And Frame(s)	5.00	330.00 /ea	1,650
	<i>Painting - Interior and Exterior</i>			<i>577,318</i>
FINISHES				13,632,544
10-0000.000	SPECIALTIES			
<i>10-1113.100</i>	<i>Chalkboards/Markerboards</i>			
2	Installation	14.00	1,900.00 /cd	26,600
2	Markerboard 4'x12'	47.00	600.00 /ea	28,200

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
10-1113.100	<i>Chalkboards/Markerboards</i>				
	2 Markerboard 4'x8'	131.00 ea	250.00 /ea	32,750	
	2 Markerboard 4'x6'	75.00 ea	250.00 /ea	18,750	
	2 Tack Strips	1.00 ls	20,000.00 /ls	20,000	
	<i>Chalkboards/Markerboards</i>				126,300
	112.00 Labor hours				
10-1400.120	<i>Signage Package</i>				
	110 Typical Room / Door signage	303.00 ea	120.00 /ea	36,360	
	110 Map Holders	10.00 ea	122.00 /ea	1,220	
	110 Dedication Plaque	1.00 ea	3,000.00 /ea	3,000	
	110 Vinyl Door Numbering	303.00 ea	50.00 /ea	15,150	
	110 Entry Sign Lettering, Aluminum Lettering	1.00 ls	15,000.00 /ls	15,000	
	110 Digital Entry Sign, Lettering Etc.	1.00 ls	40,000.00 /ls	40,000	
	110 Vinyl Wall Graphics - Allowance	2,000.00 sf	6.00 /sf	12,000	
	110 Misc. Signage	191,796.00 sf	0.261 /sf	50,000	
	<i>Signage Package</i>				172,730
10-2113.110	<i>Toilet Partitions</i>				
	2 Urinal Screen	7.00 ea	500.00 /ea	3,500	
	2 ADA Toilet Compartment	14.00 ea	2,750.00 /ea	38,500	
	2 Standard Toilet Compartment	19.00 ea	2,000.00 /ea	38,000	
	2 Shower Compartments	11.00 ea	750.00 /ea	8,250	
	<i>Toilet Partitions</i>				88,250
10-2123.200	<i>Curtains & Track</i>				
	2 Medical suite Curtains	55.00 lf	45.00 /lf	2,475	
	<i>Curtains & Track</i>				2,475
10-2813.100	<i>Toilet Accessories</i>				
	2 42" ADA 18 Gage Stainles Steel Grab Bars	78.00 ea	130.00 /ea	10,140	
	2 Janitors Closet Accessories	4.00 ea	350.00 /ea	1,400	
	2 Baby Changing Station, Allow	2.00 ea	1,200.00 /ea	2,400	
	2 Folding Shower Seats	11.00 ea	125.00 /ea	1,375	
	2 Shower Curtains & Hooks	11.00 ea	75.00 /ea	825	
	2 Utility Hooks	39.00 ea	50.00 /ea	1,950	
	2 Electric Hand Dryer				
	2 Waste Bins	39.00 ea	300.00 /ea	11,700	
	2 Soap Dispensers -OFCI	0.00 ea			
	2 Paper Towel Dispensers - OFCI	0.00 ea			
	2 Install OFCI Items	10.00 cd	1,500.00 /cd	15,000	
	<i>Toilet Accessories</i>				44,790
	80.00 Labor hours				
10-4413.100	<i>Fire Cabinets</i>				
	30 Fire Extinguisher and Cabinet Allowance	1.00 ls	20,000.00 /ls	20,000	
	30 Defibrillator Cabinet Allowance	1.00 ea	2,000.00 /ea	2,000	
	30 Key Cabinet	1.00 ea	1,500.00 /ea	1,500	

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
	<i>Fire Cabinets</i>			23,500
10-5100.100	<i>Lockers Metal</i>			
	10 Lockers - 2 Tier 15x15x72 w/ Electronic Lock	200.00	ea 300.00 /ea	60,000
	10 Lockers - Staff Lockers	30.00	ea 550.00 /ea	16,500
	10 Lockers - Athletic w/Bench, Including PE Instr	146.00	ea 750.00 /ea	109,500
	10 Lockers - Athletic Single Tier	21.00	ea 500.00 /ea	10,500
	10 Lockers - Athletic Double Tier	100.00	ea 550.00 /ea	55,000
	10 ADA Bench's	4.00	ea 550.00 /ea	2,200
	10 Locker Bench's	18.00	lf 150.00 /lf	2,700
	<i>Lockers Metal</i>			256,400
SPECIALTIES				714,445
	192.00 Labor hours			
11-0000.000	EQUIPMENT			
11-1300.100	<i>Dock Levelers</i>			
	150 Dock Levelers & Bumpers	1.00	ls 20,000.00 /ls	20,000
	<i>Dock Levelers</i>			20,000
	12.048 Labor hours			
11-3000.110	<i>Residential Food Equip</i>			
	50 Ice Machine	5.00	ea 1,700.00 /ea	8,500
	50 Dishwasher	7.00	ea 1,200.00 /ea	8,400
	50 30" Fridge / Freezer	8.00	ea 1,200.00 /ea	9,600
	50 Chest Freezer	1.00	ea 800.00 /ea	800
	50 30" Elec cooktop / Backsplash	7.00	ea 1,200.00 /ea	8,400
	50 Range Hood	7.00	ea 200.00 /ea	1,400
	50 Front Load Washer	5.00	ea 1,300.00 /ea	6,500
	50 Dryer	5.00	ea 1,500.00 /ea	7,500
	50 Delivery & Freight	1.00	ls 2,750.00 /ls	2,750
	50 Installation	4.00	CDay 1,500.00 /CDay	6,000
	<i>Residential Food Equip</i>			59,850
11-4000.110	<i>Food Service</i>			
	2 Food Service Equipment - Kitchen Allowance	1.00	ls 1,585,000.00 /ls	1,585,000
	2 Food Service Equipment - UC Dishwasher Allowance	1.00	ls 13,000.00 /ls	13,000
	<i>Food Service</i>			1,598,000
11-5213.001	<i>Projection Screens</i>			
	001 Projection Screens - 86" Diagonal, Auditorium	1.00	ea 60,000.00 /ea	60,000
	<i>Projection Screens</i>			60,000
11-5300.110	<i>Laboratory Equipment</i>			

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
				Total
11-5300.110	<i>Laboratory Equipment</i>			
	2 Fume Hoods	5.00 ea	12,000.00 /ea	60,000
	2 Acid / Fire Cabinets	4.00 ea	5,000.00 /ea	20,000
	2 Biological Storage Cabinets	4.00 ea	2,500.00 /ea	10,000
	2 Goggle Cabinet - UV Sterilization (1 Per Prep)	4.00 ea	1,500.00 /ea	6,000
	<i>Laboratory Equipment</i>			96,000
11-6050.000	<i>Theather</i>			
	010 Theater Rigging & Curtains	1.00 ls	79,000.00 /ls	79,000
	010 Theater Lighting Controls - includes dimming Cabinets	1.00 ls	141,000.00 /ls	141,000
	010 Theater Lighting Fixtures	1.00 ls	731,000.00 /ls	731,000
	010 Theater Acoustics	1.00 ls	99,000.00 /ls	99,000
	<i>Theather</i>			1,050,000
11-6833.110	<i>Athletic Equipment</i>			
	10 Motorized Basketball Hoops, Winch, Connectors.	6.00 ea	12,500.00 /ea	75,000
	10 Motorized Divider Curtain, Elec Operated	1.00 ea	40,000.00 /ea	40,000
	10 Scoreboard	1.00 ea	22,000.00 /ea	22,000
	10 Volley Ball Equipment - Net	1.00 ea	1,500.00 /ea	1,500
	10 Volley Ball Equipment - Sleeves & Poles	1.00 ea	5,000.00 /ea	5,000
	10 Scoreboard, Type 2	1.00 ea	12,000.00 /ea	12,000
	38 Wall Pads - 6' tall x 2' wide	1,420.00 sf	35.00 /sf	49,700
	38 Mat Hoist	2.00 ea	6,500.00 /ea	13,000
	38 Hoistable Batting Cage	1.00 ea	18,000.00 /ea	18,000
	38 Shot Clock	1.00 ea	4,000.00 /ea	4,000
	38 Wall Pads - 6' tall x 2' wide, Safe Room	156.00 sf	35.00 /sf	5,460
	<i>Athletic Equipment</i>			245,660
11-9513.001	<i>Kilns</i>			
	001 Kiln	1.00 ls	3,000.00 /ls	3,000
	<i>Kilns</i>			3,000
EQUIPMENT				3,132,510
	12.048 Labor hours			
12-0000.000	FIXED FURNISHINGS			
12-2113.100	<i>Shades - Blinds</i>			
	2 Manual Roller Shades, Curtainwall / Windows	15,099.00 sf	13.00 /sf	196,287
	2 Motorized Shades at Gym	1,320.00 sf	18.00 /sf	23,760
	2 Motorized Shades at Auditorium	340.00 sf	18.00 /sf	6,120
	2 Motorized Shades at Cafeteria	1,506.00 sf	18.00 /sf	27,108
	<i>Shades - Blinds</i>			253,275
12-3200.001	<i>Manufactured Casework</i>			
	001 Lab Casework - Wood Casework, Epoxy Tops			

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
12-3200.001	<i>Manufactured Casework</i>				
001	Base Cabinets w/Epoxy Tops	690.00 lf	1,100.00 /lf		759,000
001	Wall Cabinets	155.00 lf	700.00 /lf		108,500
001	Drying Racks	24.00 ea	250.00 /ea		6,000
001	Wall Shelving	42.00 lf	400.00 /lf		16,800
001	Lab Tables & Seats - NIC				
001	Lab Safety Cabinets	8.00 ea	1,200.00 /ea		9,600
	<i>Manufactured Casework</i>				<u>899,900</u>
12-4813.100	<i>Floor Mats</i>				
10	Walk-Off Mats	1,275.00 sf	15.00 /sf		19,125
10	Recessed Floor Mat Grilles / Frames (7'-11" x 14'-5")	1.00 ea	23,468.50 /ea		23,469
10	Recessed Floor Mat Grilles / Frames (17'-6" x 20'-4")	1.00 ea	63,650.69 /ea		63,651
10	Recessed Floor Mat Grilles / Frames (6'-0" x 12'-4")	1.00 ea	16,776.72 /ea		16,777
10	Recessed Floor Mat Grilles / Frames (9'-4" x 8'-7")	1.00 ea	14,332.88 /ea		14,333
10	Recessed Floor Mat Grilles / Frames (8'-6" x 7'-6")	1.00 ea	11,960.28 /ea		11,960
10	Recessed Floor Mat Grilles / Frames (6'-0" x 7'-4")	1.00 ea	9,082.200 /ea		9,082
10	Recessed Floor Mat Grilles / Frames (8'-5" x 10'-9")	1.00 ea	18,632.28 /ea		18,632
10	Recessed Floor Mat Grilles / Frames (13'-2" x 7'-6")	1.00 ea	19,053.43 /ea		19,053
10	Recessed Floor Mat Grilles /Frames Prep & Protection	1.00 ls	15,000.00 /ls		15,000
	<i>Floor Mats</i>				<u>211,082</u>
12-6000.100	<i>Fixed Seating</i>				
40	Auditorium Seating	498.00 seats	451.807 /seats		225,000
	<i>Fixed Seating</i>				<u>225,000</u>
	249.00 Labor hours				
12-6600.100	<i>Stands & Bleachers</i>				
10	Gymnasium Telescopic Bleachers	1.00 ls	160,000.00 /ls		160,000
	<i>Stands & Bleachers</i>				<u>160,000</u>
	FIXED FURNISHINGS				1,749,257
	249.00 Labor hours				
13-0000.000	SPECIAL CONSTRUCTION				
13-1146.100	<i>Pools & Spa Equipment</i>				
200	Whirlpool - Whitehall Mfg. 110 Gallon - 304 Stainless	1.00 ea	15,000.00 /ea		15,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	Amount
	<i>Pools & Spa Equipment</i>				15,000
13-3413.100	<i>Greenhouse Structures</i>				
	10 Greenhouse Structure	220.00 sf	185.00 /sf		40,700
	<i>Greenhouse Structures</i>				40,700
	220.00 Labor hours				
	SPECIAL CONSTRUCTION				55,700
	220.00 Labor hours				
14-0000.000	CONVEYING SYSTEMS				
14-2000.100	<i>Elevators</i>				
	2 Passenger Elevator, Traction	2.00 stp	92,500.00 /stp		185,000
	<i>Elevators</i>				185,000
14-4100.110	<i>People Lifts</i>				
	10 Patient Lift, Allowance	1.00 ea	10,000.00 /ea		10,000
	<i>People Lifts</i>				10,000
	CONVEYING SYSTEMS				195,000
21-0000.000	FIRE SUPRESSION				
21-1300.120	<i>Sprinkler Systems</i>				
	2 Fire Protection General Conditions				
	2 Hydraulic Calculations	1.00 ls	2,400.00 /ls		2,400
	2 Testing & Inspection	1.00 ls	5,000.00 /ls		5,000
	2 Drain & Fill System	1.00 ls	2,600.00 /ls		2,600
	2 Coordination and Management	1.00 ls	28,000.00 /ls		28,000
	2 Permits and Fees	1.00 ls	5,000.00 /ls		5,000
	2 Seismic Restraints / Bracing	1.00 ls	4,000.00 /ls		4,000
	2 Coring & Patching / Firestopping	1.00 ls	2,500.00 /ls		2,500
	2 Hoisting & Rigging	1.00 ls	3,000.00 /ls		3,000
	2 Fire Protection Sprinkler System				
	2 6" Sprinkler Main Piping w/ Fittings & Hangers	390.00 lf	78.80 /lf		30,732
	2 BFP-1 - 6" DCVA Backflow Preventor - See Plumbing				
	2 Sprinkler Head - Upright / Pendent Sidewall	1,534.00 ea	155.00 /ea		237,770
	2 Sprinkler Head - Concealed - Dry	12.00 ea	135.00 /ea		1,620
	2 4" Sprinkler Main Piping w/ Fittings & Hangers	3,250.00 lf	76.10 /lf		247,325
	2 3" Dry Sprinkler Pipe w/ Fittings & Hangers	280.00 lf	72.45 /lf		20,286
	2 2-1/2" Sprinkler Drain Pipe w/ Fittings & Hangers	240.00 lf	46.61 /lf		11,186
	2 2-1/2" Sprinkler Pipe - Mains	1,680.00 lf	46.61 /lf		78,305
	2 2" Sprinkler Pipe	4,602.00 lf	37.89 /lf		174,370
	2 2" Sprinkler Drain Pipe	180.00 lf	46.61 /lf		8,390
	2 1-1/2" Sprinkler Pipe	6,136.00 lf	33.33 /lf		204,513
	2 1-1/4" Sprinkler Pipe	4,602.00 lf	26.20 /lf		120,572

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
21-1300.120	<i>Sprinkler Systems</i>				
2	1-1/4" Dry Sprinkler Pipe	180.00	lf 38.80 /lf	6,984	
2	1" Sprinkler Pipe	3,068.00	lf 23.22 /lf	71,239	
2	Misc. Valves, Tags & Fittings	1.00	ls 141,717.00 /ls	141,717	
2	Fire Protection Equipment				
2	FDC-1 - Fire Department Connection Valve	2.00	ea 3,200.00 /ea	6,400	
2	DPV-1 - Dry Pipe Valve and Compressor System	1.00	ea 24,500.00 /ea	24,500	
2	4" Zone Control Valve Assembly	9.00	ea 5,125.00 /ea	46,125	
2	1-1/2" Fire Hose Valve in Hose Cabinet (At Stage)	4.00	ea 1,345.00 /ea	5,380	
2	Combination Test Connection and Drain Valve	6.00	ea 525.00 /ea	3,150	
2	6" Butterfly Valve	2.00	ea 785.00 /ea	1,570	
2	4" Butterfly Valve	2.00	ea 345.00 /ea	690	
2	6" Water alarm check valve	1.00	ea 2,600.00 /ea	2,600	
2	6" OS&Y Gate Valve	2.00	ea 1,085.00 /ea	2,170	
2	4" OS&Y Gate Valve	2.00	ea 775.00 /ea	1,550	
2	EB-1 - Electric Bell	1.00	ea 525.00 /ea	525	
2	Tamper Switch	6.00	ea 485.00 /ea	2,910	
2	Roof Hydrant	1.00	ea 1,290.00 /ea	1,290	
	<i>Sprinkler Systems</i>				1,506,369
	FIRE SUPRESSION				1,506,369
22-0000.000	PLUMBING				
22-1000.000	<i>Plumbing</i>				
10	Plumbing General Conditions				
10	Testing & Disinfection	1.00	ls 6,500.00 /ls	6,500	
10	Commissioning Support	1.00	ls 48,000.00 /ls	48,000	
10	Coordination & Management	1.00	ls 106,000.00 /ls	106,000	
10	Permits and Fees	1.00	ls 55,000.00 /ls	55,000	
10	Seismic Restraints / Bracing	1.00	ls 35,000.00 /ls	35,000	
10	Coring & Patching / Firestopping	1.00	ls 15,000.00 /ls	15,000	
10	Hoisting & Rigging / Floor Loading	1.00	ls 10,000.00 /ls	10,000	
10	Equipment start up and inspection	1.00	ls 80,000.00 /ls	80,000	
10	Access Panels - Furnish Only	1.00	ls 5,000.00 /ls	5,000	
10	Domestic Water				
10	6" Domestic Water Pipe - Mains	140.00	lf 288.00 /lf	40,320	
10	4" Domestic Water Pipe - Mains	2,590.00	lf 108.00 /lf	279,720	
10	3" Domestic Water Pipe - Mains	220.00	lf 79.75 /lf	17,545	
10	2-1/2" Domestic Water Pipe - Mains	120.00	lf 67.90 /lf	8,148	
10	2" Domestic Water Pipe - Mains	2,440.00	lf 56.80 /lf	138,592	
10	1-1/2" Domestic Water Pipe - Mains	320.00	lf 41.60 /lf	13,312	
10	1-1/4" Domestic Water Pipe - Mains	510.00	lf 32.40 /lf	16,524	
10	1" Domestic Water Pipe - Mains	2,640.00	lf 26.20 /lf	69,168	
10	3/4" Domestic Water Pipe - Branch	1,830.00	lf 19.25 /lf	35,228	
10	1/2" Domestic Water Pipe - Mains	11,160.00	lf 14.45 /lf	161,262	
10	Misc. Piping Not Yet Defined	191,796.00	sf 0.45 /sf	86,308	
10	Misc. Valves, Tags & Fittings	1.00	ls 155,973.00 /ls	155,973	
10	Pipe Insulation 1/2" - 1-1/4"	16,140.00	lf 14.10 /lf	227,574	
10	Pipe Insulation 1-1/2" - 6"	5,830.00	lf 9.80 /lf	57,134	
10	Sanitary Waste & Vent Piping (Underground)				
10	Sub Slab Ventilation Piping	191,796.00	sf 0.60 /sf	115,078	

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
22-1000.000	<i>Plumbing</i>			
10	Sanitary Waste & Vent Pipe (Underground)	191,796.00 sf	1.40 /sf	268,514
10	Kitchen Waste & Vent Pipe (Underground)	191,796.00 sf	0.55 /sf	105,488
10	Sanitary Waste & Vent Piping (Above Ground)			
10	Sanitary Waste & Vent Pipe (Above Ground)	191,796.00 sf	1.45 /sf	278,104
10	Kitchen Waste & Vent Pipe (Above Ground)	191,796.00 sf	0.25 /sf	47,949
10	Lab Waste & Vent Piping			
10	Lab Waste Piping (Under Ground)	191,796.00 sf	0.15 /sf	28,769
10	Lab Waste Piping (Above Ground)	191,796.00 sf	0.30 /sf	57,539
10	Storm Drainage Piping			
10	12" Storm Pipe (UG)	37.00 lf	288.00 /lf	10,656
10	10" Storm Pipe (AG)	21.00 lf	196.00 /lf	4,116
10	10" Storm Pipe (UG)	564.00 lf	196.00 /lf	110,544
10	8" Storm Pipe (AG)	450.00 lf	168.50 /lf	75,825
10	8" Storm Pipe (UG)	550.00 lf	168.50 /lf	92,675
10	6" Storm Pipe (AG)	6,730.00 lf	130.00 /lf	874,900
10	6" Storm Pipe (UG)	515.00 lf	130.00 /lf	66,950
10	4" Storm Pipe (AG)	1,940.00 lf	49.80 /lf	96,612
10	4" Storm Pipe (UG)	21.00 lf	49.80 /lf	1,046
10	4" RD-1 - Roof Drain	26.00 ea	715.00 /ea	18,590
10	6" RD-1 - Roof Drain	43.00 ea	825.00 /ea	35,475
10	Kitchen Plumbing Connections			
10	Kitchen Equipment Plumbing Connections (Sanitary / Venting / Domestic Water Piping)	1.00 ls	65,000.00 /ls	65,000
10	6" Backflow Preventer (Fire Protection)	1.00 ea	8,995.00 /ea	8,995
10	4" Backflow Preventer	1.00 ea	5,880.00 /ea	5,880
10	2-1/2" RBPB - Reverse Backflow Preventer	1.00 ea	2,800.00 /ea	2,800
10	6" Water Meter	1.00 ea	1,250.00 /ea	1,250
10	ET-1 - Expansion Tank	1.00 ea	3,800.00 /ea	3,800
10	EWB-1 - Electric Water Heater (300 Gal)	1.00 ea	46,000.00 /ea	46,000
10	EWB-2 - Electric Water Heater (300 Gal)	1.00 ea	46,000.00 /ea	46,000
10	EWB-3 - Electric Water Heater (300 Gal)	1.00 ea	46,000.00 /ea	46,000
10	EWB-4 - Electric Water Heater (33 Gal)	1.00 ea	3,100.00 /ea	3,100
10	EWB-5 - Electric Water Heater (33 Gal)	1.00 ea	3,100.00 /ea	3,100
10	EWB-6 - Electric Water Heater (33 Gal)	1.00 ea	3,100.00 /ea	3,100
10	Heat Trace Incoming Service Pipe	1.00 ls	1,500.00 /ls	1,500
10	Irrigation Water Meter	2.00 ea	650.00 /ea	1,300
10	MV-1 - (Not Scheduled)	1.00 ea	3,500.00 /ea	3,500
10	MV-2 - (Not Scheduled)	1.00 ea	3,500.00 /ea	3,500
10	RH-1 - Roof Hydrant	7.00 ea	475.00 /ea	3,325
10	RP - Recirc Pump (Not Scheduled)	2.00 ea	2,400.00 /ea	4,800
10	SP-1 - Sewer Ejector Pump (50 GPM).	1.00 ea	2,250.00 /ea	2,250
10	Water Sub Meter (Pool House)	1.00 ea	800.00 /ea	800
10	Hose Bibb	10.00 ea	215.00 /ea	2,150
10	Wall Hydrant	6.00 ea	295.00 /ea	1,770
10	Misc. Unidentified Plumbing Equipment	1.00 ls	100,000.000 /ls	100,000
10	Plumbing Fixtures			
10	WC-1A - ADA Water Closet - Wall Mounted	4.00 ea	1,755.303 /ea	7,021
10	WC-1 - Water Closet - Wall Mounted	51.00 ea	1,659.559 /ea	84,638
10	UR-1 - Urinal - Wall Mounted	4.00 ea	1,468.07 /ea	5,872
10	SK-5 - Classroom Sink - Counter Mounted	2.00 ea	1,244.67 /ea	2,489
10	SK-3 - Classroom Sink - Counter Mounted	1.00 ea	1,276.58 /ea	1,277
10	SK-1 - Classroom Sink - Counter Mounted	43.00 ea	1,276.584 /ea	54,893

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
				Total
22-1000.000	Plumbing			
	10 SH-1 - ADA Shower Unit	9.00 ea	5,246.76 /ea	47,221
	10 MS-2 - Mop Sink	1.00 ea	1,506.37 /ea	1,506
	10 MS-1 - Mop Sink	2.00 ea	1,506.37 /ea	3,013
	10 LSK-2 - Lab Sink - Floor Mounted (FBO)	2.00 ea	868.075 /ea	1,736
	10 LSK-1 - Lab Sink - Floor Mounted (FBO)	52.00 ea	868.077 /ea	45,140
	10 LAV-2 - Single Sink - Wall Mounted	2.00 ea	1,129.775 /ea	2,260
	10 EWC-1- Electric Water Bubbler	4.00 ea	4,851.020 /ea	19,404
	10 EW/ES-1 - Emergency Shower / Eyewash Station	6.00 ea	4,212.727 /ea	25,276
	10 Wall Carrier	59.00 ea	759.568 /ea	44,814
	10 POU Chip Tank	2.00 ea	40,000.00 /ea	80,000
	10 Misc. Plumbing Fixtures	191,796.00 sf	0.830 /sf	159,148
	10 LAV-1 - Single Sink - Wall Mounted	36.00 ea	1,340.413 /ea	48,255
	10 LAV-3 - Trough Sinks	6.00 ea	3,829.752 /ea	22,979
	10 Radon Mitigation			
	10 Radon System	1.00 ls	30,000.00 /ls	30,000
	<i>Plumbing</i>			5,003,000
	PLUMBING			5,003,000
23-0000.000	HVAC			
23-0100.110	HVAC			
	2 HVAC General Requirements			
	2 Commissioning Support	1.00 ls	45,000.00 /ls	45,000
	2 Coordination & management / BIM	1.00 ls	325,000.00 /ls	325,000
	2 Seismic restraints / bracing	1.00 ls	15,000.00 /ls	15,000
	2 Coring & patching / firestopping	1.00 ls	10,000.00 /ls	10,000
	2 Hoisting & rigging / floor loading	1.00 ls	125,000.00 /ls	125,000
	2 Equipment start up and inspection	1.00 ls	15,000.00 /ls	15,000
	2 Access panels - furnish only	1.00 ls	8,000.00 /ls	8,000
	2 Testing & Balancing			
	2 Testing & balancing	191,796.00 sf	1.35 /sf	258,925
	2 Insulation			
	2 Duct wrap insulation	145,727.00 sf	5.70 /sf	830,644
	2 Pipe Insulation	19,355.00 lf	4.85 /lf	93,872
	2 Refrigerant Piping (Includes Hangers & Supports)			
	2 Refrigerant Piping - Mains (Branch Selectors to Condenser Unit)	8,500.00 lf	48.65 /lf	413,525
	2 Refrigerant Piping - Branch (Branch Controller to Fan Coil Unit)	23,460.00 lf	24.25 /lf	568,905
	2 Refrigerant Piping - Insulated Line Set for Split A/C Units	2,275.00 lf	39.45 /lf	89,749
	2 Condensate Piping			
	2 Condensate Drain Pipe (Type "L" Cu.)	10,855.00 lf	18.40 /lf	199,732
	2 HVAC Air Distribution			
	2 Ductwork Galvanized	182,159.00 lbs	18.50 /lbs	3,369,942
	2 Ductwork Aluminum	1,240.00 lbs	57.80 /lbs	71,672
	2 Grease Duct (Black Iron)	1.00 ls	65,000.00 /ls	65,000
	2 RGD's	488.00 ea	175.00 /ea	85,400
	2 S10 - Linear Supply Grille (240" x 7")	2.00 ea	924.00 /ea	1,848
	2 S11 - Linear Supply Grille (312" x 7")	2.00 ea	1,201.20 /ea	2,402

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
23-0100.110	<i>HVAC</i>			
2	S12 - Linear Supply Grille (360" x 7")	2.00 ea	1,386.00 /ea	2,772
2	S8 - Linear Supply Grille (96" x 7")	2.00 ea	369.00 /ea	738
2	S9 - Linear Supply Grille (120" x 7")	2.00 ea	462.00 /ea	924
2	Sound Attenuation	1.00 ls	65,000.00 /ls	65,000
2	Misc. Ductwork Accessories - Volume Dampers, Fire Dampers, Volume Dampers etc.	191,796.00 sf	0.55 /sf	105,488
2	Exhaust Fans			
2	EF-A-1 - Kiln Exhaust Fan (1,000 Cfm)	1.00 ea	2,150.00 /ea	2,150
2	EF-B-1 - Kitchen Hood Exhaust Fan (6,000 Cfm)	1.00 ea	14,700.00 /ea	14,700
2	EF-B-2 - Dishwasher Exhaust Fan (6,000 Cfm)	1.00 ea	14,700.00 /ea	14,700
2	EF-B-3 - In-Line Exhaust Fan (160 Cfm)	1.00 ea	520.00 /ea	520
2	EF-B-4 - In-Line Exhaust Fan (160 Cfm)	1.00 ea	520.00 /ea	520
2	EF-B-5 - Water Room Exhaust Fan (?? Cfm)	1.00 ea	1,000.00 /ea	1,000
2	EF-D-1 - Cullinary Hood Exhaust Fan (7,000 Cfm)	1.00 ea	17,150.00 /ea	17,150
2	EF-D-2- In-Line Exhaust Fan (160 Cfm)	1.00 ea	520.00 /ea	520
2	EF-D-3 - Stair Exhaust Fan (500 Cfm)	1.00 ea	1,125.00 /ea	1,125
2	EF-D-4A - Axijet Plenum Dilution Exhaust Fan (?? Cfm)	1.00 ea	50,000.00 /ea	50,000
2	EF-D-4B - Axijet Plenum Dilution Exhaust Fan (?? Cfm)	1.00 ea	50,000.00 /ea	50,000
2	EF-E-1 - Stair Exhaust Fan (500 Cfm)	1.00 ea	1,125.00 /ea	1,125
2	EF-E-2 - STEM Exhaust Fan (1,000 Cfm)	1.00 ea	2,150.00 /ea	2,150
2	EF-E-3 - Printing Exhaust Fan (1,000 Cfm)	1.00 ea	2,150.00 /ea	2,150
2	EF-E-4 - Prep Room Exhaust Fan (1,000 Cfm)	1.00 ea	2,150.00 /ea	2,150
2	Central Air Handling Equipment			
2	AHU-A-1 - Air Handler Unit - Gas Fired DX (1,200 Cfm)	1.00 ea	40,800.00 /ea	40,800
2	AHU-A-2 - Air Handler Unit - Gas Fired DX (4,000 Cfm)	1.00 ea	162,229.51 /ea	162,230
2	AHU-B-1 - Air Handler Unit - Gas Fired DX (20,000 Cfm)	1.00 ea	811,147.54 /ea	811,148
2	AHU-B-2 - Air Handler Unit - Gas Fired DX (7,000 Cfm)	1.00 ea	283,901.64 /ea	283,902
2	AHU-C-1 - Air Handler Unit - Gas Fired DX (6,000 Cfm)	1.00 ea	243,344.26 /ea	243,344
2	AHU-C-2 - Air Handler Unit - Gas Fired DX (13,000 Cfm)	1.00 ea	527,245.90 /ea	527,246
2	AHU-D-1 - Air Handler Unit - Gas Fired DX (6,000 Cfm)	1.00 ea	243,344.26 /ea	243,344
2	AHU-D-2 - Air Handler Unit - Gas Fired DX (5,000 Cfm)	1.00 ea	202,786.89 /ea	202,787
2	DOAS-A-1 - Dedicated Outside Air System (4,000 Cfm)	1.00 ea	168,000.00 /ea	168,000
2	DOAS-A-2 - Dedicated Outside Air System (5,000 Cfm)	1.00 ea	210,000.00 /ea	210,000
2	DOAS-B-1 - Dedicated Outside Air System (3,000 Cfm)	1.00 ea	126,000.00 /ea	126,000
2	DOAS-B-2 - Dedicated Outside Air System (4,500 Cfm)	1.00 ea	189,000.00 /ea	189,000
2	DOAS-D-1 - Dedicated Outside Air System (9,000 Cfm)	1.00 ea	378,000.00 /ea	378,000

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
23-0100.110	<i>HVAC</i>			
2	DOAS-D-2 - Dedicated Outside Air System (9,000 Cfm)	1.00 ea	378,000.00 /ea	378,000
2	DOAS-E-1 - Dedicated Outside Air System (8,000 Cfm)	1.00 ea	336,000.00 /ea	336,000
2	DOAS-E-2 - Dedicated Outside Air System (8,000 Cfm)	1.00 ea	336,000.00 /ea	336,000
2	MUA-1 - Make-up Air Unit (4,800 Cfm)	1.00 ea	61,200.00 /ea	61,200
2	MUA-2 - Make-up Air Unit (4,800 Cfm)	1.00 ea	61,200.00 /ea	61,200
2	24" Double Wall Casing - Insulated Roof Curb (DOAS)	8.00 ea	7,800.00 /ea	62,400
2	AHU Roof Curbs	8.00 ea	4,500.00 /ea	36,000
2	Heating & Cooling Terminal Equipment			
2	ACC-A-1 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-A-2 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-A-3 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-A-4 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-B-1 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-C-1 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-C-2 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-D-1-1 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-D-1-2 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-D-2-1 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-E-1-1 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-E-2-1 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-E-2-2 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACCU-A-1 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-A-2 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-A-3 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-A-4 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-A-5 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-B-1 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-B-2 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-B-3 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-B-4 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-C-1 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-1 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-2 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-3 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-4 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-5 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-6 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-7 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-8 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-1 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-2 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-3 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-4 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-5 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-6 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-7 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-8 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACU-A-1 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
23-0100.110	<i>HVAC</i>				
	2 ACU-A-2 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750	
	2 ACU-A-3 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750	
	2 ACU-B-1 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750	
	2 ACU-C-1 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750	
	2 ACU-C-2 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750	
	2 ACU-D-1-1 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750	
	2 ACU-D-1-2 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750	
	2 ACU-D-2-1 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750	
	2 ACU-E-1-1 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750	
	2 ACU-E-2-1 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750	
	2 ACU-E-2-2 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750	
	2 AD-B-1 - Air Curtain (28 KW)	1.00 ea	1,850.00 /ea	1,850	
	2 AD-C-1 - Air Curtain (28 KW)	1.00 ea	1,850.00 /ea	1,850	
	2 BC - Branch Controller (6 Ports)	9.00 ea	7,250.00 /ea	65,250	
	2 BC - Branch Controller (8 Ports)	16.00 ea	6,100.00 /ea	97,600	
	2 CUH - Cabinet Unit Heater	9.00 ea	2,100.00 /ea	18,900	
	2 FCU- VRF Ceiling Cassette (1 Ton)	68.00 ea	3,200.00 /ea	217,600	
	2 FCU- VRF Ceiling Cassette (1.5 Ton)	6.00 ea	4,800.00 /ea	28,800	
	2 FCU- VRF Ceiling Cassette (1/2 Ton)	2.00 ea	1,600.00 /ea	3,200	
	2 FCU- VRF Ceiling Cassette (2 Ton)	39.00 ea	6,400.00 /ea	249,600	
	2 FCU- VRF Ceiling Cassette (2.5 Ton)	7.00 ea	8,000.00 /ea	56,000	
	2 FCU- VRF Ceiling Cassette (3 Ton)	20.00 ea	9,600.00 /ea	192,000	
	2 FCU- VRF Ceiling Cassette (3/4 Ton)	31.00 ea	2,400.00 /ea	74,400	
	2 FCU- VRF Ceiling Cassette (4 Ton)	2.00 ea	12,800.00 /ea	25,600	
	2 FCU-A-21	1.00 ea	2,800.00 /ea	2,800	
	2 VAV - Variable Air Volume Box	68.00 ea	990.00 /ea	67,320	
	2 FTR - Fintube Radiator	100.00 lf	215.00 /lf	21,500	
	<i>HVAC</i>				<u>13,628,117</u>
23-0900.100	<i>Controls</i>				
	20 Building Management System - StruxureWare	191,796.00 sf	9.00 /sf	1,726,164	
	<i>Controls</i>				<u>1,726,164</u>
	HVAC				15,354,281
26-0000.000	ELECTRICAL				
26-0000.100	<i>Electrical</i>				
	10 Normal Power and Distribution				
	10 Switchboard MSB 4000/3000A MCB 4-section	1.00 ea	253,982.59 /ea	253,983	
	10 Sub check metering	16.00 ea	2,959.70 /ea	47,355	
	10 Dist. Panel DP41A 400A MLO 277/480v	1.00 ea	11,842.25 /ea	11,842	
	10 Dist. Panel DP41B 400A MLO 277/480v	1.00 ea	12,021.20 /ea	12,021	
	10 Dist. Panel DP41D 600A MLO 277/480v	1.00 ea	27,635.06 /ea	27,635	
	10 Dist. Panel DP41E 400A MLO 277/480v	1.00 ea	11,842.25 /ea	11,842	
	10 Dist. Panel DP42D 400A MLO 277/480v	1.00 ea	11,842.25 /ea	11,842	
	10 Dist. Panel DP42E 400A MLO 277/480v	1.00 ea	14,002.25 /ea	14,002	
	10 House lighting dimming cabinet 150A 120/208	0.00 ea			
	10 Panel CPP 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea	15,260	
	10 Panel KPP 400A MCB 120/208v 84p	1.00 ea	27,615.07 /ea	27,615	

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
26-0000.100	<i>Electrical</i>				
10	Panel LP41A 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel LP41B 100A MLO 277/480v 42p	1.00 ea	6,060.74 /ea		6,061
10	Panel LP41D 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel LP41E 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel LP42D 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel LP42E 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel MP21A 150A MCB 120/208v 42p	1.00 ea	7,722.74 /ea		7,723
10	Panel MP21B 150A MCB 120/208v 42p	1.00 ea	7,722.74 /ea		7,723
10	Panel PP21A 225A MCB 120/208v 84p	1.00 ea	16,699.91 /ea		16,700
10	Panel PP21B 225A MCB 120/208v 84p	1.00 ea	16,699.91 /ea		16,700
10	Panel PP21D 225A MCB 120/208v 126p	1.00 ea	28,793.25 /ea		28,793
10	Panel PP21E 225A MCB 120/208v 84p	1.00 ea	16,699.91 /ea		16,700
10	Panel PP22D 225A MCB 120/208v 84p	1.00 ea	18,139.91 /ea		18,140
10	Panel PP22E 225A MCB 120/208v 84p	1.00 ea	18,139.91 /ea		18,140
10	Panel PP-MDF 100A MLO 120/208v 42p	1.00 ea	6,060.74 /ea		6,061
10	Stage dimming cabinet 250A 120/208v	0.00 ea			
10	200A 250V DSN SW FUSIBLE - NEMA 1	3.00 ea	1,351.79 /ea		4,055
10	400A 250V DSN SW FUSIBLE - NEMA 1	2.00 ea	2,579.12 /ea		5,158
10	Transformer T4 45KVA 480-120/208v	4.00 ea	7,980.16 /ea		31,921
10	Transformer T5 75KVA 480-120/208v	1.00 ea	9,860.120 /ea		9,860
10	Transformer T6 112.5 KVA 480-120/208v	1.00 ea	24,989.05 /ea		24,989
10	Transformer KT5 75KVA 480-120/208v	5.00 ea	16,349.05 /ea		81,745
10	600A 4w Feeder EMT Aluminum	30.00 lf	405.007 /lf		12,150
10	400A 4w Feeder EMT Aluminum	1,625.00 lf	150.397 /lf		244,394
10	250A 4w Feeder EMT Aluminum	600.00 lf	85.596 /lf		51,358
10	150A 3w Feeder EMT Aluminum	60.00 lf	70.354 /lf		4,221
10	150A 4w Feeder EMT Aluminum	800.00 lf	88.078 /lf		70,462
10	125A 3w Feeder EMT copper	90.00 lf	66.370 /lf		5,973
10	100A 3w Feeder EMT copper	120.00 lf	60.018 /lf		7,202
10	100A 4w Feeder EMT copper	520.00 lf	48.731 /lf		25,340
10	70A 3w Feeder EMT copper	150.00 lf	24.199 /lf		3,630
10	60A 4w Feeder EMT copper	30.00 lf	30.456 /lf		914
10	Feeder Pri/sec 45KVA 3PH Transformer	4.00 ea	1,149.78 /ea		4,599
10	Feeder Pri/sec 75KVA 3PH Transformer	1.00 ea	1,726.20 /ea		1,726
10	Feeder Pri/sec T6 112.5KVA 3PH Transformer	2.00 ea	2,875.00 /ea		5,750
10	Feeder Pri/sec KT5KVA 3PH Transformer	5.00 ea	3,271.59 /ea		16,358
10	PV Systems				
10	PV System - Panels, inverters , collector boxes, wiring & installation	450.00 KW	4,250.00 /KW		1,912,500
10	PV System - Raceway & Feeders	1.00 ls	75,000.00 /ls		75,000
10	Machine and Equipment Power				
10	Elevator controller circuit & connection	1.00 ea	3,800.00 /ea		3,800
10	ACC-*** Split system fan unity 30A 208v 2p circuit & connection	12.00 ea	1,804.61 /ea		21,655
10	ACCU-** VFR Air cooled condenser 30A 480v circuit & connection	26.00 ea	3,065.26 /ea		79,697
10	ACU-*** Split system condenser unity 30A 208v 2p circuit & connection	12.00 ea	2,768.81 /ea		33,226
10	AD-** Air curtain 28KW 480v circuit & connection	2.00 ea	5,465.00 /ea		10,930
10	AHU-A-1 Air handler 250A 480v circuit & connection	1.00 ea	18,403.23 /ea		18,403

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
26-0000.100	<i>Electrical</i>				
	10 AHU-A-2 Air handler 80A 480v circuit & connection	1.00 ea	10,087.00 /ea		10,087
	10 AHU-B-1 Air handler 300A 480v circuit & connection	1.00 ea	26,979.63 /ea		26,980
	10 AHU-B-2 Air handler 125A 480v circuit & connection	1.00 ea	9,537.75 /ea		9,538
	10 AHU-C-1 Air handler 110A 480v circuit & connection	1.00 ea	9,389.56 /ea		9,390
	10 AHU-C-2 Air handler 250A 480v circuit & connection	1.00 ea	20,594.16 /ea		20,594
	10 AHU-D-1 Air handler 110A 480v circuit & connection	1.00 ea	9,389.56 /ea		9,390
	10 AHU-D-2 Air handler 175A 480v circuit & connection	1.00 ea	14,785.05 /ea		14,785
	10 BC** Branch controller 30A 208v 2p circuit & connect	25.00 ea	1,083.30 /ea		27,083
	10 CP-** Circ pump 120v circuit & connection	2.00 ea	7,145.00 /ea		14,290
	10 CUH-** Electric cabinet unit heaters circuit & connection	10.00 ea	1,952.42 /ea		19,524
	10 DOAS-A-1 Dedicated air unit 150A 480v circuit & connection	1.00 ea	12,390.37 /ea		12,390
	10 DOAS-A-2 Dedicated air unit 150A 480v circuit & connection	1.00 ea	12,390.37 /ea		12,390
	10 DOAS-B-1 Dedicated air unit 110A 480v circuit & connection	1.00 ea	9,546.19 /ea		9,546
	10 DOAS-B-2 Dedicated air unit 150A 480v circuit & connection	1.00 ea	12,390.37 /ea		12,390
	10 DOAS-D-1 Dedicated air unit 250A 480v circuit & connection	1.00 ea	22,509.08 /ea		22,509
	10 DOAS-D-2 Dedicated air unit 250A 480v circuit & connection	1.00 ea	22,509.08 /ea		22,509
	10 DOAS-E-1 Dedicated air unit 200A 480v circuit & connection	1.00 ea	17,114.86 /ea		17,115
	10 DOAS-E-2 Dedicated air unit 200A 480v circuit & connection	1.00 ea	17,114.86 /ea		17,115
	10 EF-** Exhaust fans circuit & connection	10.00 ea	2,064.50 /ea		20,645
	10 EWH-** Electric water heater 480v 53KVA circuit & connection	3.00 ea	34,557.18 /ea		103,672
	10 FCU-E** VRF Fan coil units 20A 208v 2p circuit & connect	177.00 ea	875.00 /ea		154,875
	10 MAU-1 Make up air 60A 480v circuit & connection	1.00 ea	5,876.84 /ea		5,877
	10 MAU-2 Make up air 60A 480v circuit & connection	1.00 ea	5,876.84 /ea		5,877
	10 UU-** Electric unit heaters 7.5KW 208v circuit & connection	10.00 ea	2,882.88 /ea		28,829
	10 VAV-** Variable volume 20A 480v circuit & connection	10.00 ea	1,150.00 /ea		11,500
	10 Mechanical equipment circuits unidentified	191,796.00 sf	0.65 /sf		124,667
	10 Emergency Power				
	10 900KW Diesel gen set 277/480v Exterior weather enclosure	1.00 ea	551,931.00 /ea		551,931
	10 ATS-1 Emergency 150A 4p 480v	1.00 ea	13,433.09 /ea		13,433
	10 ATS-2 Standby 1200A 4p 480v	1.00 ea	53,830.13 /ea		53,830

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
26-0000.100	<i>Electrical</i>				
10	Sub check metering	2.00 ea	2,959.71 /ea		5,919
10	Panel ELP41A 100A MLO 277/480v 42p	1.00 ea	6,060.74 /ea		6,061
10	Panel ELP41B 100A MLO 277/480v 42p	1.00 ea	6,060.74 /ea		6,061
10	Panel ELP41D 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel ELP42D 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel EPP21D 100A MCB 120/208v 84p	1.00 ea	11,659.91 /ea		11,660
10	Panel SLP41A 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel SLP41B 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel SLP41D 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel SPP MDF 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Panel SPP21A 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Panel SPP21B 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Panel SPP21D 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Panel SPP21E 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Panel SPP22D 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Panel SPP22E 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Dist. Panel EDP41D 150A MCB 277/480v	1.00 ea	6,417.80 /ea		6,418
10	Dist. Panel SDP41A 400A MLO 277/480v	1.00 ea	11,842.25 /ea		11,842
10	Dist. Panel SDP41B 225A MLO 277/480v	1.00 ea	8,242.25 /ea		8,242
10	Dist. Panel SDP41D 1200A MCB 277/480v	1.00 ea	35,048.800 /ea		35,049
10	Dist. Panel SDP41E 225A MLO 277/480v	1.00 ea	7,908.40 /ea		7,908
10	Dist. Panel SDP42D 400A MLO 277/480v	1.00 ea	11,842.25 /ea		11,842
10	Dist. Panel SDP42E 225A MLO 277/480v	1.00 ea	8,272.07 /ea		8,272
10	Feeder Pri/sec 45KVA 3PH Transformer	1.00 ea	1,149.78 /ea		1,150
10	Feeder Pri/sec 45KVA 3PH Transformer	1.00 ea	1,149.78 /ea		1,150
10	Feeder Pri/sec K-45KVA 3PH Transformer	2.00 ea	1,726.20 /ea		3,452
10	Transformer KT4 45KVA 480-120/208v	2.00 ea	14,180.86 /ea		28,362
10	Transformer T4 45KVA 480-120/208v	5.00 ea	7,980.17 /ea		39,901
10	1200A 4w Feeder EMT Aluminum	30.00 lf	940.93 /lf		28,228
10	225A 4w Feeder EMT Aluminum	30.00 lf	120.27 /lf		3,608
10	200A 4w Feeder EMT Aluminum	1,300.00 lf	79.34 /lf		103,142
10	150A 4w Feeder EMT Aluminum	530.00 lf	92.63 /lf		49,094
10	100A 4w Feeder EMT copper	120.00 lf	51.25 /lf		6,150
10	70A 3w Feeder EMT copper	180.00 lf	25.45 /lf		4,581
10	60A 4w Feeder EMT copper	30.00 lf	32.03 /lf		961
10	8/4 MI Cable w/terminations	750.00 lf	42.65 /lf		31,988
10	Lighting				
10	Lighting fixture budget	1.00 ls	1,541,500.00 /ls		1,541,500
10	Type LP1 LED 8' beam pendant dir/ind	16.00 ea	368.67 /ea		5,899
10	Type LP1 LED 14' beam pendant dir/ind	12.00 ea	413.41 /ea		4,961
10	Type LP1 LED 16' beam pendant dir/ind	1.00 ea	458.52 /ea		459
10	Type LP1 LED 18' beam pendant dir/ind	102.00 ea	517.88 /ea		52,824
10	Type LP1 LED 20' beam pendant dir/ind	42.00 ea	547.64 /ea		23,001
10	Type LP1 LED 22' beam pendant dir/ind	2.00 ea	577.830 /ea		1,156
10	Type LP1 LED 24' beam pendant dir/ind	6.00 ea	622.200 /ea		3,733
10	Type LP1 LED 36' beam pendant dir/ind	4.00 ea	883.19 /ea		3,533
10	Type LP11 LED 26' Micro beam pendant dir/ind remote driver	7.00 ea	682.23 /ea		4,776
10	Type LP11 LED 38' Micro beam pendant dir/ind remote driver	4.00 ea	473.07 /ea		1,892
10	Type LP2 LED 26x 28' beam rectangle pendant dir/ind	1.00 ea	3,732.04 /ea		3,732

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
26-0000.100	<i>Electrical</i>				
10	Type LP2 LED 26x 32' beam rectangle pendant dir/ind	7.00 ea	3,732.04 /ea		26,124
10	Type LP3 LED 60" Ring pendant dir/ind	8.00 ea	600.21 /ea		4,802
10	Type LP4 LED 24' Round pendant dir/ind	9.00 ea	599.87 /ea		5,399
10	Type LP4A LED 36' Round pendant dir/ind	6.00 ea	599.96 /ea		3,600
10	Type LP5 LED Cylinder pendant down light	37.00 ea	283.93 /ea		10,505
10	Type LP5A LED Cylinder pendant down light	38.00 ea	283.93 /ea		10,789
10	Type LP6 LED Hi-bay	35.00 ea	664.31 /ea		23,251
10	Type LP7 LED Decorative pendant down light	12.00 ea	395.79 /ea		4,749
10	Type LR1 LED Recessed down light decorative trim	6.00 ea	230.42 /ea		1,383
10	Type LR1 LED Recessed down light decorative trim	49.00 ea	230.42 /ea		11,291
10	Type LR2 LED 2x2 recessed troffer	66.00 ea	148.390 /ea		9,794
10	Type LR3 LED 4" round recessed down light	390.00 ea	193.13 /ea		75,321
10	Type LR3A LED 4" round recessed down light	92.00 ea	193.13 /ea		17,768
10	Type LR3B LED 4" round recessed down light wet location	25.00 ea	208.04 /ea		5,201
10	Type LR3C LED 4" round recessed down light wall wash	58.00 ea	222.96 /ea		12,932
10	Type LR3D LED 4" round recessed down light DMX control	25.00 ea	230.42 /ea		5,761
10	Type LR4 LED per ft Recessed perimeter linear	507.00 ea	126.02 /ea		63,892
10	Type LR4A LED per ft Recessed perimeter linear pattern lit corners	1,700.00 ea	126.02 /ea		214,234
10	Type LR4B LED 8' Recessed perimeter linear	1.00 ea	193.12 /ea		193
10	Type LR4B LED 12' Recessed perimeter linear	1.00 ea	260.23 /ea		260
10	Type LR4B LED 13' Recessed perimeter linear	2.00 ea	260.24 /ea		520
10	Type LR4B LED 15' Recessed perimeter linear	2.00 ea	275.160 /ea		550
10	Type LR4B LED 17' Recessed perimeter linear	2.00 ea	304.98 /ea		610
10	Type LR4B LED 30' Recessed perimeter linear	1.00 ea	491.40 /ea		491
10	Type LR4C LED 6' Recessed perimeter linear	19.00 ea	193.13 /ea		3,669
10	Type LR4C LED 8' Recessed perimeter linear	7.00 ea	193.12 /ea		1,352
10	Type LR4C LED 9' Recessed perimeter linear	1.00 ea	208.03 /ea		208
10	Type LR4C LED 9' Recessed perimeter linear	1.00 ea	208.03 /ea		208
10	Type LR4C LED 17' Recessed perimeter linear	1.00 ea	304.98 /ea		305
10	Type LR4C LED 18' Recessed perimeter linear	4.00 ea	319.900 /ea		1,280
10	Type LR4C LED 21' Recessed perimeter linear	2.00 ea	379.55 /ea		759
10	Type LR4C LED 22' Recessed perimeter linear	1.00 ea	409.36 /ea		409
10	Type LR4C LED 24' Recessed perimeter linear	1.00 ea	469.02 /ea		469
10	Type LR5 LED 12' Recessed linear	2.00 ea	260.24 /ea		520
10	Type LR5 LED 14' Recessed linear	1.00 ea	275.14 /ea		275
10	Type LR5 LED 16' Recessed linear	3.00 ea	319.89 /ea		960
10	Type LR5 LED 18' Recessed linear	1.00 ea	319.88 /ea		320
10	Type LR5 LED 26' Recessed linear	1.00 ea	483.93 /ea		484
10	Type LR5 LED 28' Recessed linear	1.00 ea	498.85 /ea		499
10	Type LR6 LED Recessed step light	39.00 ea	223.70 /ea		8,724
10	Type LR7 LED 1x4 recessed troffer	133.00 ea	157.34 /ea		20,926
10	Type LR8 LED 10' Beam recessed linear	18.00 ea	245.33 /ea		4,416
10	Type LR8 LED 12' Beam recessed linear	14.00 ea	275.160 /ea		3,852
10	Type LR8 LED 14' Beam recessed linear	5.00 ea	290.06 /ea		1,450
10	Type LR8 LED 18' Beam recessed linear	5.00 ea	349.73 /ea		1,749

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	Amount
26-0000.100	<i>Electrical</i>				
10	Type LR8 LED 20' Beam recessed linear	1.00 ea	379.54 /ea		380
10	Type LR8 LED 22' Beam recessed linear	1.00 ea	439.20 /ea		439
10	Type LR8 LED 26' Beam recessed linear	1.00 ea	483.93 /ea		484
10	Type LR8 LED 6' Beam recessed linear	7.00 ea	208.05 /ea		1,456
10	Type LR8 LED 8' Beam recessed linear	12.00 ea	208.05 /ea		2,497
10	Type LR8A LED per ft Beam recessed linear w/corners	425.00 ea	126.02 /ea		53,559
10	Type LR9 LED 26' Beam recessed linear wall wash	1.00 ea	543.580 /ea		544
10	Type LR9 LED 40' Beam recessed linear wall wash	3.00 ea	1,102.860 /ea		3,309
10	Type LS1 LED 4' Utility strip	33.00 ea	252.03 /ea		8,317
10	Type LS1 LED 8' Utility strip	5.00 ea	296.77 /ea		1,484
10	Type LS2 LED Surface flood light	14.00 ea	411.45 /ea		5,760
10	Type LS4 LED 15' Surface tape	6.00 ea	298.27 /ea		1,790
10	Type LS4 LED 28' Surface tape	2.00 ea	447.41 /ea		895
10	Type LT1 22' 2 Circuit pendant track	8.00 ea	223.70 /ea		1,790
10	Type LT2 LED track Head	48.00 ea	37.28 /ea		1,789
10	Type LW1 LED Wall sconce	14.00 ea	305.970 /ea		4,284
10	Type X1 LED edge lit exit single face	22.00 ea	224.60 /ea		4,941
10	Type X2 LED edge lit exit dual face	9.00 ea	224.59 /ea		2,021
10	Type XHC LED Alum exit single face ADA sign	8.00 ea	224.59 /ea		1,797
10	Lighting Controls				
10	Stcc Lv Wall lighting control 1	4.00 ea	159.300 /ea		637
10	[DS] Lighting photo control	25.00 ea	212.01 /ea		5,300
10	[LVD] Wall mount dimming controller	155.00 ea	262.410 /ea		40,674
10	[OS] Ceiling occupancy sensor	162.00 ea	197.10 /ea		31,930
10	[R] Emergency lighting relay	55.00 ea	557.60 /ea		30,668
10	[RC] Lighting control room controller	98.00 ea	833.77 /ea		81,709
10	[VS] Ceiling vacancy sensor	152.00 ea	197.10 /ea		29,959
10	[VS] Wall vacancy sensor	64.00 ea	180.51 /ea		11,553
10	20A 120-277V S/P Switch , box & plate	46.00 ea	105.16 /ea		4,837
10	25' CAT 6 Lighting control cable	560.00 ea	63.36 /ea		35,482
10	Lighting control wall box	220.00 ea	75.24 /ea		16,553
10	Luminary cable MC 12/2 & 14/2 1-10VDC	28,000.00 ea	7.80 /ea		218,400
10	3/4" - EMT 3#12	2,700.00 ea	15.53 /ea		41,931
10	3/4" - EMT 5#12	2,000.00 ea	14.61 /ea		29,220
10	3/4" - EMT 5#12-2#16 10vdc	1,500.00 ea	28.70 /ea		43,050
10	3/4" - EMT 7#12	1,500.00 ea	15.95 /ea		23,925
10	#10/2C MC Cable	5,000.00 ea	10.30 /ea		51,500
10	Lighting controls installation & programming	191,796.00 sf	1.25 /sf		239,745
10	Theater lighting system circuits & installation allowance stage lighting dimming & fixture carried in equipment budget	1.00 allow	65,000.00 /allow		65,000
10	Branch Devices & Circuitry				
10	20A 125V 3W Single recept, box & plate	115.00 ea	128.75 /ea		14,806
10	20A 125V Duplex receptacle, box & plate	610.00 ea	111.90 /ea		68,259
10	20A 125V Duplex GFCI receptacle, box & plate	140.00 ea	132.860 /ea		18,600
10	20A 125V Duplex GFCI receptacle, box & WP plate	46.00 ea	139.88 /ea		6,434
10	(2) 20A 125V Duplex receptacle, box & plate	65.00 ea	163.60 /ea		10,634

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
26-0000.100	<i>Electrical</i>				
10	20A 125V Controlled duplex receptacle, box & plate	450.00 ea	111.90 /ea		50,355
10	20A 125V Controlled duplex GFCI receptacle, box & plate	27.00 ea	132.87 /ea		3,587
10	(2) 20A 125V Duplex controlled receptacle, box & plate	120.00 ea	163.670 /ea		19,640
10	[PH] Projector rough-in receptacle, box & sleeves	1.00 ea	161.74 /ea		162
10	[BKS] Backstop controller , & backstop circuit & connection	6.00 ea	329.77 /ea		1,979
10	[CDC] Curtain controller circuit & connection	1.00 ea	478.91 /ea		479
10	[FB1] 12 Gang floor box w/ branch & Telcom raceways	25.00 ea	1,947.20 /ea		48,680
10	6" Poke thru-Power/T/AV w/ branch circuits & raceways	8.00 ea	1,667.54 /ea		13,340
10	20A Cord reel w/ 25' cable	54.00 ea	1,491.98 /ea		80,567
10	30A 250V 4W Dryer receptacle box & plate	1.00 ea	244.90 /ea		245
10	L5-30R 30A 125V 3Wire TL receptacle, box & plate	16.00 ea	173.13 /ea		2,770
10	50A 250V 4W Range receptacle, box & plate	1.00 ea	267.89 /ea		268
10	Auditorium aisle lighting connections	45.00 ea	248.90 /ea		11,201
10	Bleacher controller circuit & connect	2.00 ea	255.21 /ea		510
10	Hand Dryer connection				
10	Kiln circuit & connect	1.00 ea	1,627.79 /ea		1,628
10	Kitchen equipment connections 20A 3w allowance e	1.00 ls	30,000.00 /ls		30,000
10	Overhead door operator circuit & connect	4.00 ea	659.54 /ea		2,638
10	Projection screen motor circuit & connect	4.00 ea	329.77 /ea		1,319
10	Projection screen wall controller	4.00 ea	329.77 /ea		1,319
10	Score board & shot clock circuits & connections	2.00 ea	6,414.26 /ea		12,829
10	Trash compactor circuit & connect	1.00 ea	659.54 /ea		660
10	TP-1 Trap primer connection	8.00 ea	197.52 /ea		1,580
10	Auto flush/faucet valve connection	57.00 ea	202.31 /ea		11,532
10	Emergency pull switch & light	16.00 ea	923.43 /ea		14,775
10	Kiln EPO shut down	1.00 ea	1,017.76 /ea		1,018
10	3/4" PVC IN SLAB 5 #12	644.00 lf	11.92 /lf		7,676
10	3/4" - EMT 3#10	1,000.00 lf	13.26 /lf		13,260
10	3/4" - EMT 5#10	1,000.00 lf	16.49 /lf		16,490
10	3/4" - EMT 5#12	1,000.00 lf	14.43 /lf		14,430
10	3/4" - EMT 7#10	3,000.00 lf	17.82 /lf		53,460
10	3/4" - EMT 7#12	10,000.00 lf	15.93 /lf		159,300
10	#10/3C MC Cable	3,000.00 lf	6.51 /lf		19,530
10	#12/3C MC Cable	18,000.00 lf	4.46 /lf		80,280
10	#12/2C MC Cable	45,000.00 lf	4.35 /lf		195,750
10	Allowance for undesigned devices & circuits	191,796.00 sf	1.00 /sf		191,796
10	Miscellaneous Electrical Systems				
10	Building & service grounding	1.00 ls	30,000.00 /ls		30,000
10	Lightning protection	1.00 ls	125,000.00 /ls		125,000
10	Digital signage Rough-in	1.00 ls	35,000.00 /ls		35,000
10	Temporary power and lights	1.00 ls	225,000.00 /ls		225,000
10	Subcontractor site office & storage	1.00 ls	75,000.00 /ls		75,000
10	Subcontractor supervision & general conditions	1.00 ls	350,000.00 /ls		350,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
<i>26-0000.100 Electrical</i>					
	10 BIM Coordination	1.00	Is	45,000.00 /Is	45,000
	10 Testing and Commissioning	1.00	Is	50,000.00 /Is	50,000
	10 Misc Electrical	1.00	Is	25,000.00 /Is	25,000
	10 Lighting fixture budget Allowance - Recon Reduction	-191,796.00	Is	1.75 /Is	(335,643)
	10 Recon Adjustment	-191,796.00	Is	1.75 /Is	(335,643)
	10 Utility Coordination	1.00	Is	250,000.00 /Is	250,000
	<i>Electrical</i>				10,311,810
ELECTRICAL					10,311,810
<hr/>					
27-0000.000	COMMUNCIATIONS				
<hr/>					
<i>27-4000.000 Audio-Video Communications</i>					
	10 Telecomm Backbone raceways & sleeves	1.00	Is	50,000.00 /Is	50,000
	10 Technology wall/floor sleeves & fire proofing	12.00	ea	343.40 /ea	4,121
	10 Telecomm wall sleeve 1" - EMT	150.00	ea	196.64 /ea	29,496
	10 Telecomm wall sleeve 1-1/4" - EMT	20.00	ea	294.49 /ea	5,890
	10 IDF Closet 2-post rack, with fiber & CAT 6 patch panels	6.00	ea	4,737.75 /ea	28,427
	10 MDF Closet 4-post rack, with fiber & CAT 6 patch panels	2.00	ea	8,006.63 /ea	16,013
	10 IT Wall mounted cabinet w/FO & copper patch panel	1.00	ea	2,068.87 /ea	2,069
	10 IDF Closet cable tray & grounding bus	6.00	ea	4,766.63 /ea	28,600
	10 IDF racks vertical I wire management	12.00	ea	785.00 /ea	9,420
	10 (W) 1-CAT 6A Devices , termination & testing	31.00	ea	85.79 /ea	2,659
	10 (WAP) 2-CAT 6A Devices , termination & testing	70.00	ea	85.79 /ea	6,005
	10 2-CAT 6A Devices , termination & testing	46.00	ea	85.79 /ea	3,946
	10 4-CAT 6 Cables , termination & testing	36.00	ea	85.79 /ea	3,088
	10 (CAM) 1-CAT 6A Devices , termination & testing	132.00	ea	85.80 /ea	11,326
	10 (PR) 2-CAT 6A Devices , termination & testing	5.00	ea	81.76 /ea	409
	10 (TCP) 1-CAT 6A Devices , termination & testing	47.00	ea	85.79 /ea	4,032
	10 (TS) 4-CAT 6A Devices , termination & testing	47.00	ea	283.56 /ea	13,327
	10 CBL - CMP CAT6A UTP BLU	165,000.00	ea	1.33 /ea	219,450
	10 100 PR PUNCH DOWN BLOCK	2.00	ea	123.61 /ea	247
	10 25 PR PUNCH DOWN BLOCK	6.00	ea	68.89 /ea	413
	10 CBL - CMP CAT5 UTP BKBN 25 PR GRY	500.00	lf	5.12 /lf	2,560
	10 FO Cable 24F MM OM4 Armored	50.00	lf	7.11 /lf	356
	10 FO Cable 24F SM OS2 Armored	500.00	lf	7.11 /lf	3,555
	10 FO Terminations	576.00	lf	68.65 /lf	39,542
	10 #24-100P TELEPHONE CABLE	500.00	lf	7.23 /lf	3,615
	10 Technology equipment	0.00	NIC		
	10 AV System	0.00	ITEM		
	10 Auditorium Equipment & installation	1.00	Is	205,000.00 /Is	205,000
	10 Cafeteria Equipment & installation	1.00	Is	215,000.00 /Is	215,000
	10 Gymnasium Equipment & installation	1.00	Is	80,000.00 /Is	80,000
	10 Large group Equipment & installation	1.00	Is	50,000.00 /Is	50,000
	10 Band & Chrous Equipment & installation	1.00	Is	35,000.00 /Is	35,000
	10 AV raceway rough in for above listed systems	1.00	Is	50,000.00 /Is	50,000
	10 AV raceway rough in for classrooms	47.00	ea	1,800.00 /ea	84,600

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
<i>27-4000.000 Audio-Video Communications</i>				
10	Digital Signs	1.00	ls 25,000.00 /ls	25,000
10	Public Address Systems	0.00	ITEM	
10	(SP1) One way ceiling mounted Speaker	315.00	ea 275.720 /ea	86,852
10	#18- 2P Twisted pr cable	12,000.00	lf 1.27 /lf	15,240
10	Gymnasium speaker & sound system	1.00	ls 45,000.00 /ls	45,000
10	Public address Systems equipment & installation	1.00	ls 75,000.00 /ls	75,000
10	Program Clock System	0.00	ITEM	
10	Equipment & programming allowance	1.00	ls 40,000.00 /ls	40,000
10	12" Surface wireless clock	124.00	ea 410.00 /ea	50,840
10	16" Surface wireless clock w/wire guard	2.00	ea 600.00 /ea	1,200
10	DAS Radio Repeater System	0.00	ITEM	
10	DAS/BDA Radio System allowance	1.00	ls 125,000.00 /ls	125,000
10	Cellular repeater system allowance	1.00	ls 125,000.00 /ls	125,000
	<i>Audio-Video Communications</i>			1,797,299
COMMUNICATIONS				1,797,299
<hr/>				
28-0000.000	ELECTRONIC SAFETY & SECURITY			
<hr/>				
<i>28-3000.000 Electronic Detection & Alarm</i>				
10	Security Systems			
10	[CR] Car reader raceway, device & wire	48.00	ea 720.13 /ea	34,566
10	Security door rough-in raceways & boxes	48.00	ea 439.91 /ea	21,116
10	[DC] Door contact	87.00	ea 124.85 /ea	10,862
10	[DJ] 8x8x4 Door security junction box	59.00	ea 110.89 /ea	6,543
10	[REX] Request to exit device , raceway & cable	48.00	ea 277.94 /ea	13,341
10	[DR] Door release/ lock down push button & circuit	21.00	ea 110.89 /ea	2,329
10	[EH] Door transfer hinge	71.00	ea 318.98 /ea	22,648
10	[EL/R] Electrified lock& circuit	57.00	ea 252.33 /ea	14,383
10	[KP] Digital key pad , raceway & cable	1.00	ea 673.42 /ea	673
10	[LD] Local down/ door release em button	21.00	ea 388.42 /ea	8,157
10	[MO] Ceiling motion sensor & cable	106.00	ea 142.62 /ea	15,118
10	[MS] Master call station	1.00	ea 676.23 /ea	676
10	[IC] Voice intercom station	9.00	ea 489.24 /ea	4,403
10	[P] Panic call button, & raceway sleeve	3.00	ea 231.82 /ea	695
10	[CCTV] Ceiling mount camera & cable	46.00	ea 1,200.00 /ea	55,200
10	[CCTV] Ceiling mount 360d camera	21.00	ea 2,400.00 /ea	50,400
10	[CCTV] Wall mount 180d camera	5.00	ea 1,200.00 /ea	6,000
10	[CCTV] Wall mount fixed camera	22.00	ea 800.00 /ea	17,600
10	[CCTV] Exterior wall mount camera	16.00	ea 2,000.00 /ea	32,000
10	[CCTV] Exterior davit mounted 360d	27.00	ea 2,780.00 /ea	75,060
10	[CCTV] Exterior pole mounted	3.00	ea 2,480.00 /ea	7,440
10	[CCTV] Exterior pole mounted 360d	19.00	ea 3,780.00 /ea	71,820
10	#18- 1P Communication cable	5,000.00	lf 1.33 /lf	6,650
10	#18- 2P Communication cable	3,000.00	lf 1.71 /lf	5,130
10	#18/6C Shielded communication cable	12,000.00	lf 3.76 /lf	45,120
10	#22- 2P Communication cable	2,000.00	lf 1.60 /lf	3,200
10	#22/2C Communication cable	4,000.00	lf 1.34 /lf	5,360
10	#22/4C Communication cable	4,000.00	lf 1.47 /lf	5,880
10	Gunshot Detection System allowance			

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
				Total
28-3000.000	<i>Electronic Detection & Alarm</i>			
10	Access control & CCTV head end equipment , programming & commissioning	1.00 ea	325,000.00 /ea	325,000
10	Fire Alarm System			
10	Equipment ,devices and programming	1.00 ea	228,977.72 /ea	228,978
10	F/A Addressable control panels per section	2.00 ea	4,191.775 /ea	8,384
10	F/A Remote annunciator	1.00 ea	523.98 /ea	524
10	F/A Remote annunciator w/ evac voice amplifier	1.00 ea	523.98 /ea	524
10	F/A Signal amplifier cabinet	1.00 ea	523.98 /ea	524
10	F/A Battery cabinet w/72 hour batteries	1.00 ea	785.96 /ea	786
10	F/A Exterior bell	2.00 ea	317.645 /ea	635
10	F/A Document cabinet	1.00 ea	290.62 /ea	291
10	F/A Knox box	2.00 ea	553.71 /ea	1,107
10	F/A Pull station installed w/back box	4.00 ea	248.065 /ea	992
10	F/A Heat detector installed w/.back box	26.00 ea	187.635 /ea	4,879
10	F/A Smoke detector installed w/back box	238.00 ea	411.293 /ea	97,888
10	F/A Smoke detector installed w/elevator relay base & back box	3.00 ea	411.293 /ea	1,234
10	F/A CO detector installed w/.back box	1.00 ea	207.54 /ea	208
10	F/A Remote indicating light installed w/back box	3.00 ea	149.080 /ea	447
10	F/A Speaker/strobe ceiling mount installed w/back box	267.00 ea	319.059 /ea	85,189
10	F/A Speaker/strobe wall mount installed w/back box	10.00 ea	238.722 /ea	2,387
10	F/A Strobe ceiling mount installed w/back box	34.00 ea	255.520 /ea	8,688
10	F/A Strobe wall mount installed w/back box	42.00 ea	197.184 /ea	8,282
10	F/A Door holder installed w/back box	16.00 ea	494.368 /ea	7,910
10	F/A Tamper switch & monitor module	6.00 ea	417.392 /ea	2,504
10	F/A Flow switch & monitor module	6.00 ea	415.512 /ea	2,493
10	F/A SLC/NAC 3/4" EMT & loop circuits	4,300.00 ea	11.843 /ea	50,923
10	F/A 14/4 FPLP/MC cable	18,000.00 lf	3.936 /lf	70,856
10	F/A 16/2 FPLP/MC cable	16,000.00 lf	2.933 /lf	46,926
10	Area of refuge	1.00 ea	43,846.79 /ea	43,847
10	F/A 16/2 FPLP/MC cable	2,200.00 lf	3.176 /lf	6,988
	<i>Electronic Detection & Alarm</i>			1,551,762
ELECTRONIC SAFETY & SECURITY				1,551,762
31-0000.000	EARTHWORK			
31-1100.100	<i>Site Preparation and Demolition</i>			
20	Track & Field Water Cannons			
20	Trench Excavate & Backfill	85.00 cy	35.00 /cy	2,975
20	Sand Bedding	10.00 cy	50.00 /cy	500
20	2" Copper Pipe	100.00 lf	40.00 /lf	4,000
20	2" Curb Stops	2.00 ea	3,000.00 /ea	6,000
20	2" Tap & Corp	2.00 ea	3,000.00 /ea	6,000
20	Warning Tape	100.00 lf	0.15 /lf	15
20	Temporary Water (Domestic & Fire)			
20	Trench Excavate & Backfill	500.00 cy	35.00 /cy	17,500
20	Sand Bedding	120.00 cy	50.00 /cy	6,000
20	8" D.I. Pipe	160.00 lf	90.00 /lf	14,400

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
31-1100.100	<i>Site Preparation and Demolition</i>				
20	6" D.I. Pipe	400.00	lf	65.00 /lf	26,000
20	Fire Hydrant	2.00	ea	7,000.00 /ea	14,000
20	8" Gate Valve & Box	1.00	ea	4,000.00 /ea	4,000
20	Warning Tape	560.00	lf	0.15 /lf	84
20	Clean, Test, Disinfect	1.00	ls	2,500.00 /ls	2,500
20	Remove All Temp Water at Completion	1.00	ls	30,000.00 /ls	30,000
20	Temp Sanitary Sewer				
20	Trench Excavate & Backfill	185.00	cy	35.00 /cy	6,475
20	Pipe Bedding	30.00	cy	60.00 /cy	1,800
20	8" PVC Pipe	140.00	lf	26.00 /lf	3,640
20	Sewer MH	2.00	ea	5,000.00 /ea	10,000
20	Warning Tape	140.00	lf	0.15 /lf	21
20	Remove All Temp Sanitary at Completion	1.00	ls	10,000.00 /ls	10,000
20	Relocate Fiber Optic - Trenching	1,200.00	lf	35.00 /lf	42,000
20	Patch Pavement At Relocations	50.00	ton	250.00 /ton	12,500
20	Temporary Drain Basin At Existing Tennis Court				
20	Grade Temp Drain Basin	600.00	cy	10.00 /cy	6,000
20	Tie In To Existing Drain Structures	4.00	ea	500.00 /ea	2,000
20	Manhole	1.00	ea	5,000.00 /ea	5,000
20	Outlet Structure	1.00	ea	6,500.00 /ea	6,500
20	12" HDPE Pipe (E & B Included)	675.00	lf	50.00 /lf	33,750
20	Patch Paving	50.00	tn	200.00 /tn	10,000
20	Loam, Seed & Protect	10,000.00	sf	2.50 /sf	25,000
20	Outlet Structure	1.00	ea	750.00 /ea	750
20	12" HDPE Pipe (E & B Included)	300.00	lf	35.00 /lf	10,500
20	Construction Fencing Phase 1&2				
20	CL Fence - Driven Posts 8' High w/ Scrim	7,000.00	lf	40.00 /lf	280,000
20	CL Fence - Movable 8' High w/ Scrim	1,350.00	lf	30.00 /lf	40,500
20	Jersey Barriers w/ Fence & Scrim	300.00	lf	70.00 /lf	21,000
20	Miscellaneous Jersey Barriers	100.00	lf	50.00 /lf	5,000
20	Standard Gates	9.00	ea	1,750.00 /ea	15,750
20	Remove & Reset Driven Fence Summer 2026	4,900.00	lf	10.00 /lf	49,000
20	Remove PH 1 & PH 2 Fence	2,350.00	lf	5.00 /lf	11,750
20	Remove Summer 2026 Fence	4,900.00	lf	6.00 /lf	29,400
20	Temporary Signage	1.00	lf	5,000.00 /lf	5,000
20	Temporary School Parking - (65,000 sf)				
20	Tie In To Existing Drainage Pipe	2.00	ea	1,000.00 /ea	2,000
20	Double Catch Basins	2.00	ea	6,500.00 /ea	13,000
20	Subgrade Parking Lot	65,000.00	sf	0.40 /sf	26,000
20	Gravel Base - 8"	1,600.00	cy	35.00 /cy	56,000
20	Finegrading	65,000.00	sf	0.25 /sf	16,250
20	Bituminous Concrete Binder - 2"	810.00	tn	175.00 /tn	141,750
20	Bituminous Berm	700.00	lf	12.00 /lf	8,400
20	Line Striping Spaces	154.00	ea	15.00 /ea	2,310
20	Line Striping Handicap Symbols	5.00	ea	110.00 /ea	550
20	Line Striping Cross Hatched Areas	480.00	sf	0.50 /sf	240
20	Loam, Seed & Protect	3,000.00	sf	2.50 /sf	7,500
20	Remove Double Catch Basins	2.00	ea	750.00 /ea	1,500
20	Remove 12" HDPE Pipe (E & B Included)	300.00	lf	35.00 /lf	10,500
20	Remove Bituminous Concrete Binder - 2"	385.00	cy	100.00 /cy	38,500
20	Gravel Base - Strip to Use On Site	1,600.00	cy	15.00 /cy	24,000

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
31-1100.100	<i>Site Preparation and Demolition</i>			
20	Prepare & Pave Temporary Walk Off Maple Street (1,800 sf)			
20	Clean Brush	1.00	ls	500.00 /ls 500
20	Remove Existing Walk	16.00	cy	125.00 /cy 2,000
20	Finegrade	1,800.00	sf	1.00 /sf 1,800
20	Bituminous Concrete - 2"	22.00	tn	250.00 /tn 5,500
20	Temporary Access Drive, Trash Access & Office Trailer Area (72,000 sf)			
20	Adjust Castings	5.00	ea	500.00 /ea 2,500
20	Subgrading	7,200.00	sf	0.50 /sf 3,600
20	Gravel Base - 12"	3,335.00	cy	35.00 /cy 116,725
20	Finegrading	72,000.00	sf	0.30 /sf 21,600
20	Bituminous Concrete Binder - 2"	900.00	tn	175.00 /tn 157,500
20	Remove Bituminous Concrete Binder - 2"	425.00	cy	100.00 /cy 42,500
20	Gravel Base - Strip to Use On Site	3,335.00	cy	15.00 /cy 50,025
20	Temp Contractors Parking (57,000 sf)			
20	Subgrade Lot	57,000.00	sf	0.40 /sf 22,800
20	Gravel Base - 8"	1,800.00	cy	20.00 /cy 36,000
20	Finegrading	57,000.00	sf	0.25 /sf 14,250
20	Bituminous Concrete Binder - 2"	710.00	tn	175.00 /tn 124,250
20	Line Striping, Spaces	195.00	ea	15.00 /ea 2,925
20	Remove Bituminous Concrete Binder - 2"	340.00	cy	100.00 /cy 34,000
20	Gravel Base - Strip to Use On Site	1,800.00	cy	15.00 /cy 27,000
20	Pergola Footings (2'x2'x4')	16.00	ea	900.00 /ea 14,400
20	G1010.30 Tree and Shrub Removal and Trimming			
20	Protect Existing Trees	10.00	ea	250.00 /ea 2,500
20	Bark Mulch To Protect Existing	20.00	cy	75.00 /cy 1,500
20	Tree Clearing - Areas	0.55	ac	25,000.00 /ac 13,750
20	Grub Vegetation	4,600.00	sf	1.00 /sf 4,600
20	R&D Trees	15.00	ea	2,000.00 /ea 30,000
20	R&D Shrubs	10.00	ea	150.00 /ea 1,500
20	Interior Courtyard - R&D Tree's	6.00	ea	2,500.00 /ea 15,000
20	G1010.50 Earth Stripping and Stockpiling			
20	PH 1	6,950.00	cy	15.00 /cy 104,250
20	PH 2	16,056.00	cy	15.00 /cy 240,840
20	Protect Stockpiles	1.00	ls	5,000.00 /ls 5,000
20	Strip Reclaimed Asphalt	6,000.00	cy	15.00 /cy 90,000
20	Strip Existing Infield Mix	320.00	cy	15.00 /cy 4,800
20	Utility Demolition			
20	R&D Water Pipe Asbestos (Abatement By Others)	1,980.00	lf	35.00 /lf 69,300
20	R&D Hydrants	3.00	ea	750.00 /ea 2,250
20	R&D Sewer PVC Pipe	965.00	lf	35.00 /lf 33,775
20	R&D Sewer Pipe Asbestos (Abatement By Others)	1,658.00	lf	35.00 /lf 58,030
20	R&D Sewer Manholes	14.00	ea	750.00 /ea 10,500
20	R&D Drainage Drain Pipe	2,185.00	lf	35.00 /lf 76,475
20	R&D Drainage Drain RC Pipe	1,725.00	lf	35.00 /lf 60,375
20	R&D Drainage Drain PVC Pipe	588.00	lf	35.00 /lf 20,580
20	R&D Drainage Drain Structures	35.00	ea	750.00 /ea 26,250
20	R&D 10,000 Gallon Fuel Storage Tank	1.00	ls	20,000.00 /ls 20,000
20	R&D 20,000 Gallon Fuel Storage Tank	1.00	ls	30,000.00 /ls 30,000
20	R&D Fiber Optic Pipe	675.00	lf	25.00 /lf 16,875

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
31-1100.100	<i>Site Preparation and Demolition</i>				
20	R&D Gas Pipe	1,235.00	lf	25.00 /lf	30,875
20	R&D Duct Banks	360.00	lf	45.00 /lf	16,200
20	R&D Site Lighting	1,950.00	lf	15.00 /lf	29,250
20	Salvage Tennis Court LP Bases	8.00	ea	500.00 /ea	4,000
20	Irrigation Systems	1.00	ls	5,000.00 /ls	5,000
20	Selective Site Demolition				
20	Sawcut Pavement	250.00	lf	5.00 /lf	1,250
20	Remove & Dispose				
20	Smoke Shack	1.00	ea	500.00 /ea	500
20	Chain Link Fence	3,550.00	lf	12.00 /lf	42,600
20	Wood Guard Rail	2,250.00	lf	15.00 /lf	33,750
20	Tennis Court Post/Nets	6.00	ea	250.00 /ea	1,500
20	Utility Kiosk	1.00	ls	750.00 /ls	750
20	Bull Pen	1.00	ea	1,500.00 /ea	1,500
20	Goal Post	2.00	ea	150.00 /ea	300
20	Score Board	1.00	ea	1,500.00 /ea	1,500
20	Concrete Walks	82.00	cy	115.00 /cy	9,430
20	Asphalt Walks	194.00	cy	100.00 /cy	19,400
20	Reclaim Asphalt Drives, Parking & Tennis	30,550.00	sy	2.00 /sy	61,100
20	Granite Curb	3,390.00	lf	12.434 /lf	42,150
20	Remove & Salvage				
20	Wood Guardrail	400.00	lf	20.00 /lf	8,000
20	Garden Structures	3.00	ea	325.00 /ea	975
20	Granite Plaque	2.00	ea	250.00 /ea	500
20	Dedication Pavers	1,175.00	sf	10.00 /sf	11,750
20	Unit Pavers	600.00	sf	2.00 /sf	1,200
20	Benches	26.00	ea	100.00 /ea	2,600
20	Red Stone Sign	1.00	ea	250.00 /ea	250
20	Traffic Signs	50.00	ea	75.00 /ea	3,750
20	Conex Box 40'	2.00	ea	750.00 /ea	1,500
20	Precast Wall - 6 pcs (15' High x 6.5' Wide)	6.00	ea	2,000.00 /ea	12,000
20	Turf	3,200.00	sf	0.50 /sf	1,600
20	Soccer Goals	5.00	ea	250.00 /ea	1,250
20	Batting Cage	1.00	ea	2,500.00 /ea	2,500
20	Bleachers	7.00	ea	1,000.00 /ea	7,000
20	Storage Container	2.00	ea	750.00 /ea	1,500
20	Tables	8.00	ea	500.00 /ea	4,000
20	Planters	9.00	ea	500.00 /ea	4,500
20	Bird Bath	1.00	ea	150.00 /ea	150
20	General Requirements				
20	Layout/As-Builts	1.00	ls	15,000.00 /ls	15,000
20	Snow Plowing (2 Seasons)	2.00	ea	25,000.00 /ea	50,000
20	Sub bond	1.00	ls	115,000.00 /ls	115,000
20	Rephasing Sitework	1.00	ls	100,000.000 /ls	100,000
20	Soil Classification Costs	1.00	ls	50,000.00 /ls	50,000
	<i>Site Preparation and Demolition</i>				3,439,915
31-1400.110	<i>Earthwork</i>				
10	Interior Utility Earthwork				
10	Trench Excavation & Backfill w/ In-Situ Soils	2,600.00	cy	45.00 /cy	117,000
10	Pipe Bedding	1,650.00	cy	45.00 /cy	74,250

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
31-1400.110	<i>Earthwork</i>			
10	Under Slab Radon Piping			
10	Prep For PVC Trunk Lines - 4"			
10	Prep For Vapor Mats 1' w x 1" Thick	6,000.00	lf 3.00	18,000
10	Trench Permit	1.00	ls 500.00	500
10	Site Electrical - Sitework			
10	Trench Excavate & Backfill	1,450.00	cy 35.00	50,750
10	Concrete Encasement	415.00	cy 300.00	124,500
10	Dewatering	1.00	ls 10,000.00	10,000
10	Shoring	1.00	ls 25,000.00	25,000
10	Grading Phase 1			
10	Site Cut	1,690.00	cy 10.00	16,900
10	Site Fill	8,620.00	cy 10.00	86,200
10	Subgrading	260,250.00	sf 0.30	78,075
10	Grading Phase 2			
10	Site Cut	44,000.00	cy 10.00	440,000
10	Site Fill	12,510.00	cy 10.00	125,100
10	Subgrading	1,296,479.00	sf 0.35	453,768
10	Dispose Excess Material - Clean Material	37,000.00	cy 15.00	555,000
10	Building Earthwork			
10	Footing & Pier Excavation & Backfill w/ In-Situ Soils	2,500.00	cy 45.00	112,500
10	Sand & Gravel Base Course Under Ftg's & Piers - 6"	615.00	cy 50.00	30,750
10	Interior Utility Earthwork			
10	Trench Excavation & Backfill w/ In-Situ Soils	2,800.00	cy 45.00	126,000
10	Pipe Bedding	1,700.00	cy 45.00	76,500
10	Foundation/Perimeter Drains			
10	4" Perforated PVC Pipe	2,410.00	lf 8.00	19,280
10	4" PVC Fittings	50.00	ea 75.00	3,750
10	Filter Fabric	24,050.00	sf 0.60	14,430
10	3/4" Crushed Stone	450.00	cy 60.00	27,000
10	Engineered Fill Backfill To Subgrade - Borrow	15,750.00	cy 55.00	866,250
10	Haunch & Grade Beam Preparation	5,160.00	lf 15.00	77,400
10	Processed Gravel Base Under Slab - 8"	4,270.00	cy 65.00	277,550
10	Finegrading	137,600.00	sf 0.50	68,800
10	Prepare For Insulation Transition From 4" to 2"	2,410.00	lf 2.50	6,025
10	Concessions Building			
10	Footing Excavation & Backfill w/ In-Situ Soils	60.00	cy 50.00	3,000
10	Sand & Gravel Base Course Under Ftg's & Piers - 6"	20.00	cy 55.00	1,100
10	Trench Excavation & Backfill w/ In-Situ Soils	20.00	cy 45.00	900
10	4" Perforated PVC Pipe	155.00	lf 8.00	1,240
10	4" PVC Fittings	5.00	ea 75.00	375
10	Filter Fabric	1,550.00	sf 0.60	930
10	3/4" Crushed Stone	30.00	cy 60.00	1,800
10	Engineered Fill Backfill To Subgrade	45.00	cy 55.00	2,475
10	Processed Gravel Base Under Slab - 8"	45.00	cy 65.00	2,925
10	Finegrading	1,345.00	sf 1.50	2,018
10	Batting Cage Areas / Artificial Turf			
10	Geotextile Fabric	4,000.00	sf 0.512	2,049
10	Crushed Stone	90.00	cy 65.00	5,850
10	Finegrade	3,700.00	sf 1.75	6,475

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
31-1400.110	<i>Earthwork</i>				
10	Rebar Reinforcement	8.00 tn	2,500.00 /tn	20,000	
10	Warning Tape	2,900.00 lf	0.15 /lf	435	
10	Manholes/Handholes Excavation & Backfill	275.00 cy	45.00 /cy	12,375	
10	Electric Manholes - (14'x7'x7'8") NG Standard	4.00 ea	25,000.00 /ea	100,000	
10	Telecom Manholes 6'x6'	4.00 ea	20,000.00 /ea	80,000	
10	Oil Containment @ Transformers	3.00 ea	5,000.00 /ea	15,000	
10	EV Chargers				
10	Trench Excavation & Backfill	1,300.00 lf	35.00 /lf	45,500	
10	Detection Tape	1,300.00 lf	0.15 /lf	195	
10	EV Base Excavation & Backfill	5.00 ea	11.90 /ea	60	
10	C-I-P Concrete Bases	5.00 ea	11.90 /ea	60	
10	Prepare For Handholes	19.00 ea	75.00 /ea	1,425	
10	Pipe Bedding	115.00 cy	50.00 /cy	5,750	
10	Press Box Feed				
10	Trench Excavation & Backfill	225.00 lf	35.00 /lf	7,875	
10	Detection Tape	225.00 lf	0.15 /lf	34	
10	Pipe Bedding	70.00 cy	50.00 /cy	3,500	
10	Building Grounding - Trench Excavation & Backfill	2,600.00 lf	15.00 /lf	39,000	
10	Erosion and Sedimentation Controls				
10	DEP Sign	1.00 ls	500.00 /ls	500	
10	SWPPP	1.00 ls	5,000.00 /ls	5,000	
10	NOI	1.00 ls	500.00 /ls	500	
10	Silt Fence	7,550.00 lf	7.00 /lf	52,850	
10	Compost Wattles - 12"	7,550.00 lf	10.00 /lf	75,500	
10	Protect Catch Basins	60.00 ea	300.00 /ea	18,000	
10	Tracking Pads 3 each	200.00 cy	75.00 /cy	15,000	
10	Dust Control	1.00 ls	20,000.00 /ls	20,000	
10	Street Sweeping	1.00 ls	20,000.00 /ls	20,000	
10	Concrete Washout Areas	1.00 ls	5,000.00 /ls	5,000	
10	Protect Stockpiles	1.00 ls	2,500.00 /ls	2,500	
10	Temporary Swales	2,000.00 lf	4.00 /lf	8,000	
10	Temporary Basins	15,000.00 sf	1.50 /sf	22,500	
10	Temporary Seed	10,000.00 sf	0.25 /sf	2,500	
10	Maintain Controls	1.00 ls	35,000.00 /ls	35,000	
10	Remove & Dispose Controls	1.00 ls	25,000.00 /ls	25,000	
10	Building Earthwork				
10	Footing & Pier Excavation & Backfill w/ In-Situ Soils	1,100.00 cy	20.00 /cy	22,000	
10	Unsuitable Excavation Below Footings & Piers	4,000.00 cy	20.00 /cy	80,000	
10	Replace Unsuitable w/ S&G Fill Below Footings	5,615.00 cy	45.00 /cy	252,675	
10	Backfill Footings & Piers w/ S&G Fill	1,100.00 cy	45.00 /cy	49,500	
10	Under Slab Radon Piping				
10	Prep For PVC Trunk Lines - 6"				
10	Prep For Vapor Mats 1' w x 1" Thick	6,000.00 lf	3.00 /lf	18,000	
10	Engineered Fill Backfill To Slab Subgrade - Borrow	10,000.00 cy	55.00 /cy	550,000	
10	Prefabricated Press Box				
10	Footing Excavation & Backfill	70.00 cy	50.00 /cy	3,500	
10	Haunch Excavation	400.00 lf	12.00 /lf	4,800	
10	Gravel Base Course	65.00 cy	75.00 /cy	4,875	
10	Finegrade	2,785.00 sf	2.00 /sf	5,570	

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
31-1400.110	<i>Earthwork</i>				
10	Prefabricated Press Box, 10'x36', 12-ft above grade	1.00 ls	150,000.00 /ls		150,000
10	Accessible Steel Ramp System to Press Box w/ landings and rails	1.00 ls	40,000.00 /ls		40,000
10	Site Market Reduction	-1.00 ls	2,000,000.000 /ls		(2,000,000)
	<i>Earthwork</i>				3,732,392
EARTHWORK					7,172,307
32-0000.000	EXTERIOR IMPROVEMENTS				
32-0523.130	<i>Retaining & Site Walls</i>				
170	Site Walls				
170	Excavation	130.00 lf	35.00 /lf		4,550
170	Gravel Base	10.00 lf	75.00 /lf		750
170	Backfill	300.00 lf	35.00 /lf		10,500
170	Prepare for Seat & Planter Walls				
170	Excavation & Base Course	72.00 cy	85.00 /cy		6,120
170	Finegrading	2,320.00 sf	1.75 /sf		4,060
	<i>Retaining & Site Walls</i>				25,980
32-1216.120	<i>Exterior Improvements</i>				
25	Tennis & Basketball Courts				
25	Gravel Base Courses	2,435.00 cy	50.00 /cy		121,750
25	Finegrading	52,550.00 sf	0.75 /sf		39,413
25	Bituminous Walks				
25	Bituminous Walks - 3"	140.00 tn	250.00 /tn		35,000
25	Tennis Courts				
25	Bituminous Concrete - 4"	1,000.00 tn	215.00 /tn		215,000
25	Tack Coat	215.00 gl	30.00 /gl		6,450
25	Excavate & Backfill Bases	12.00 ea	350.00 /ea		4,200
25	Acrylic coats, line paint at Tennis and Basketball Courts	18,400.00 ea	2.50 /ea		46,000
25	Basketball Courts				
25	Bituminous Concrete - 4"	360.00 tn	230.00 /tn		82,800
25	Tack Coat	80.00 gl	35.00 /gl		2,800
25	Excavate & Backfill Bases	4.00 ea	350.00 /ea		1,400
25	Bituminous Drives & Parking				
25	Spread Reclaimed Material	6,800.00 cy	15.00 /cy		102,000
25	Borrow Gravel	5,610.00 cy	45.00 /cy		252,450
25	Finegrading	255,127.00 sf	0.25 /sf		63,782
25	Site Concrete Walks, Pads & Paving				
25	Gravel Base Courses	3,735.00 cy	50.00 /cy		186,750
25	Finegrading	82,845.00 sf	1.25 /sf		103,556
25	Unit Pavers				
25	Geotextile Fabric	2,500.00 sf	0.60 /sf		1,500
25	3/4" Crushed stone	151.00 sf	60.00 /sf		9,060
25	Finegrading	2,200.00 sf	1.50 /sf		3,300
25	Roadway Pavement				
25	Heavy Duty Pavement - 4 1/2"	2,900.00 tn	180.00 /tn		522,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
32-1216.120	<i>Exterior Improvements</i>				
25	Tack Coat	500.00	gl	18.00 /gl	9,000
25	6" HDPE Perf Pipe	840.00	lf	15.00 /lf	12,600
25	1 1/2" Stone - 2"	75.00	cy	60.00 /cy	4,500
25	Bankrun Gravel - 6"	230.00	cy	45.00 /cy	10,350
25	3/4" Stone - 12"	460.00	cy	60.00 /cy	27,600
25	Finegrading	10,000.00	sf	1.00 /sf	10,000
25	Porous Asphalt Pavement - 4"	288.00	tn	285.00 /tn	82,080
25	Reinforced Turf				
25	Geotextile Fabric	7,000.00	sf	0.60 /sf	4,200
25	Poly Geogrid - 2"	7,600.00	sf	12.00 /sf	91,200
25	Gravel Base	155.00	cy	50.00 /cy	7,750
25	Finegrading	6,700.00	sf	1.00 /sf	6,700
25	Fill Geogrid With Topsoil	50.00	cy	100.00 /cy	5,000
25	Mow Strip				
25	Metal Edging	1,110.00	lf	25.00 /lf	27,750
25	Geotextile	11,150.00	sf	0.65 /sf	7,248
25	Crushed Stone	55.00	cy	100.00 /cy	5,500
25	Decomposed Granite	26.00	cy	150.00 /cy	3,900
25	Tackifier	6,660.00	sf	0.50 /sf	3,330
	<i>Exterior Improvements</i>				2,117,918
32-1400.100	<i>Site Pavers</i>				
30	Permeable Pavers				
30	Geotextile Fabric	11,000.00	sf	0.60 /sf	6,600
30	#8 Stone - 2"	80.00	cy	65.00 /cy	5,200
30	#57 Stone - 4"	165.00	cy	60.00 /cy	9,900
30	#2 Stone - 6"	245.00	cy	60.00 /cy	14,700
30	Finegrading	11,000.00	sf	1.75 /sf	19,250
30	Precast Pavers				
30	Geotextile Fabric	600.00	sf	0.60 /sf	360
30	Crushed Stone - 6"	40.00	cy	75.00 /cy	3,000
30	Sand	8.00	cy	75.00 /cy	600
30	Precast Pervious Pavers at Parking Areas	11,000.00	sf	35.00 /sf	385,000
30	Precast Unit Pavers w/ polymeric sand at Site Walkways	2,200.00	sf	20.00 /sf	44,000
30	Finegrading	600.00	sf	2.00 /sf	1,200
30	Stone Surfacing				
30	Geotextile Fabric	3,500.00	sf	0.60 /sf	2,100
30	Crushed Stone - 6"	75.00	cy	75.00 /cy	5,625
30	Metal Edging	265.00	lf	0.60 /lf	159
30	Finegrading	3,500.00	sf	1.50 /sf	5,250
30	Outdoor Classroom Areas				
30	Geotextile Fabric	500.00	sf	0.60 /sf	300
30	Crushed Stone - 6"	15.00	cy	75.00 /cy	1,125
30	Finegrading	500.00	sf	1.50 /sf	750
30	Stone Dust Walking Paths				
30	Geotextile Fabric	30,000.00	sf	0.60 /sf	18,000
30	Crushed Stone - 6"	420.00	cy	65.00 /cy	27,300
30	Stone Dust With Tackifier - 3"	160.00	cy	125.00 /cy	20,000
30	Finegrading	27,000.00	sf	1.25 /sf	33,750
30	Maple St.				

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
32-1400.100	<i>Site Pavers</i>			
30	Traffic Control	2.00 dy	750.00 /dy	1,500
30	Sawcut Pavement	20.00 lf	5.00 /lf	100
30	Remove Existing Walk	2.00 cy	200.00 /cy	400
30	Subgrade Areas	15.00 cy	50.00 /cy	750
30	Gravel Base Course	13.00 cy	75.00 /cy	975
30	Finegrade	275.00 sf	2.00 /sf	550
30	Repair Bituminous Berm	10.00 lf	100.00 /lf	1,000
30	Repair Disturbed Areas	500.00 sf	2.00 /sf	1,000
30	Finegrading	600.00 sf	2.00 /sf	1,200
30	Stone Surfacing			
30	Geotextile Fabric	3,500.00 sf	0.60 /sf	2,100
30	Crushed Stone - 6"	75.00 cy	75.00 /cy	5,625
30	Metal Edging	265.00 lf	0.60 /lf	159
30	Finegrading	3,500.00 sf	1.50 /sf	5,250
30	Outdoor Classroom Areas			
30	Geotextile Fabric	500.00 sf	0.60 /sf	300
30	Crushed Stone - 6"	15.00 cy	75.00 /cy	1,125
30	Finegrading	500.00 sf	1.50 /sf	750
30	Stone Dust Walking Paths			
30	Geotextile Fabric	30,000.00 sf	0.60 /sf	18,000
30	Crushed Stone - 6"	420.00 cy	65.00 /cy	27,300
30	Stone Dust With Tackifier - 3"	160.00 cy	125.00 /cy	20,000
30	Finegrading	27,000.00 sf	1.25 /sf	33,750
30	Maple St.			
30	Traffic Control	2.00 dy	750.00 /dy	1,500
30	Sawcut Pavement	20.00 lf	5.00 /lf	100
30	Remove Existing Walk	2.00 cy	200.00 /cy	400
30	Subgrade Areas	15.00 cy	50.00 /cy	750
30	Gravel Base Course	13.00 cy	75.00 /cy	975
30	Finegrade	275.00 sf	2.00 /sf	550
30	Repair Bituminous Berm	10.00 lf	100.00 /lf	1,000
30	Repair Disturbed Areas	500.00 sf	2.00 /sf	1,000
	<i>Site Pavers</i>			732,278
32-1413.130	<i>Site Concrete</i>			
005	Site Foundation Walls	9,254.00 sf	26.50 /sf	245,231
005	Site Flatwork	76,341.00 sf	20.00 /sf	1,526,820
005	Site Concrete for Bioretention Bridge	1.00 ls	60,000.00 /ls	60,000
	<i>Site Concrete</i>			1,832,051
32-1613.110	<i>Curbs- Concrete</i>			
10	Straight	12,500.00 lf	50.00 /lf	625,000
10	Radius	1,925.00 lf	55.00 /lf	105,875
10	Access Granite Curb w/ Beveled Edge	50.00 lf	100.00 /lf	5,000
10	Concrete Backing	805.00 cy	200.00 /cy	161,000
10	Maple St.			
10	Traffic Control	2.00 dy	750.00 /dy	1,500
10	Sawcut Pavement	250.00 lf	5.00 /lf	1,250
10	Excavate Curb	245.00 lf	15.00 /lf	3,675
10	Straight	245.00 lf	55.00 /lf	13,475

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
32-1613.110	<i>Curbs- Concrete</i>			
	10 Concrete Backing	15.00 cy	200.00 /cy	3,000
	10 Parking Lot Pavement			
	10 Standard Duty Pavement - 4"	4,020.00 tn	180.00 /tn	723,600
	10 Tack Coat	855.00 gl	16.00 /gl	13,680
	<i>Curbs- Concrete</i>			<u>1,657,055</u>
32-1723.100	<i>Pavement Marking</i>			
	6 Roadway Striping			
	6 Double Lines	1,105.00 lf	4.00 /lf	4,420
	6 Single Lines	700.00 lf	2.25 /lf	1,575
	6 STOP	16.00 ea	100.00 /ea	1,600
	6 DO NOT ENTER	1.00 ea	150.00 /ea	150
	6 Repaint Existing Lines			
	6 Crosswalks 8' - 10' Wide	235.00 lf	10.00 /lf	2,350
	6 Stop Bars - 12" W x 12' L	16.00 ea	75.00 /ea	1,200
	6 Arrows	24.00 ea	100.00 /ea	2,400
	6 Repaint Existing Lines			
	6 Crosswalks 8' - 10' Wide	235.00 lf	10.00 /lf	2,350
	6 Stop Bars - 12" W x 12' L	16.00 ea	75.00 /ea	1,200
	6 Arrows	24.00 ea	100.00 /ea	2,400
	6 Pavement Markings - Maple Street			
	6 Traffic Control	1.00 dy	750.00 /dy	750
	6 Crosswalks 10' Wide	110.00 lf	12.00 /lf	1,320
	6 Stop Bars - 12" W x 12' L	2.00 ea	150.00 /ea	300
	6 Pavement Markings			
	6 Spaces	464.00 ea	15.00 /ea	6,960
	6 Handicap Symbols	18.00 ea	100.00 /ea	1,800
	6 Crosshatched Areas	3,425.00 sf	0.75 /sf	2,569
	6 Arrows	28.00 ea	100.00 /ea	2,800
	6 EV	10.00 ea	100.00 /ea	1,000
	6 Precast Wheelstops	31.00 ea	250.00 /ea	7,750
	6 Traffic Signs	132.00 ea	350.00 /ea	46,200
	<i>Pavement Marking</i>			<u>91,094</u>
32-1800.000	<i>Exterior Athletic Equipment</i>			
	001 Safety netting	1.00 ls	16,000.00 /ls	16,000
	001 Lacrosse Equipment	1.00 ls	2,075.00 /ls	2,075
	001 Tennis Equipment	1.00 ls	6,600.00 /ls	6,600
	001 Football Equipment	1.00 ls	17,600.00 /ls	17,600
	001 Soccer Equipment	1.00 ls	9,200.00 /ls	9,200
	001 Baseball / Softball Equipment	1.00 ls	27,000.00 /ls	27,000
	001 Basketball Goals	1.00 ls	13,000.00 /ls	13,000
	001 Benches	1.00 ls	12,800.00 /ls	12,800
	001 Freight	1.00 ls	3,000.00 /ls	3,000
	001 Installation - L&E			
	<i>Exterior Athletic Equipment</i>			<u>107,275</u>
32-1823.110	<i>Athletic Surfaces</i>			
	20 Rubber Play Surface - Site Work			

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
32-1823.110	<i>Athletic Surfaces</i>			
20	Excavate & Backfill Edging w/ Footing	20.00 cy	30.00 /cy	600
20	Gravel Base Course - 6"	8.00 cy	75.00 /cy	600
20	Crushed Stone Base - 4"	20.00 cy	85.00 /cy	1,700
20	Dense Graded Aggregate Base - 4"	20.00 cy	85.00 /cy	1,700
20	Finegrading	1,115.00 sf	1.75 /sf	1,951
20	Baseball & Softball Fields			
20	Gravel Base -18" - For Conc Pads	490.00 cy	50.00 /cy	24,500
20	Finegrading	7,000.00 sf	1.75 /sf	12,250
20	Electronic Scoreboards			
20	Excavate & Backfill Support Bases	6.00 ea	350.00 /ea	2,100
20	Foul Poles			
20	Excavate & Backfill	8.00 ea	350.00 /ea	2,800
20	Supply & Spread Skinned Infield Mix			
20	Processed Gravel - 4"	1,150.00 sf	50.00 /sf	57,500
20	Granular Fill - 4"	1,150.00 sf	45.00 /sf	51,750
20	Infield Mix	1,700.00 sf	125.00 /sf	212,500
20	Finegrade	74,200.00 sf	1.00 /sf	74,200
20	Goal Posts			
20	Excavate & Backfill	2.00 ea	350.00 /ea	700
20	Reinstall Salvaged Items - Practice Wall			
20	Strip Topsoil	120.00 cy	20.00 /cy	2,400
20	Install Salvaged Precast Wall Pieces	6.00 ea	1,500.00 /ea	9,000
20	Re-install Salvaged Dedication Pavers (132) 4"x8" and (80) 8"x8"	65.00 sf	30.00 /sf	1,950
20	Gravel Base Course	155.00 cy	60.00 /cy	9,300
20	Finegrading	3,550.00 sf	1.50 /sf	5,325
20	Rehab Area Disturbed	6,000.00 sf	1.25 /sf	7,500
20	Stone Leveling Course - 2"	30.00 cy	65.00 /cy	1,950
20	Rubber Play Surface			
20	Playground Surfacing - 3" depth, 2-layer rubber poured-in-place with 2' play hill	1,100.00 sf	45.00 /sf	49,500
	<i>Athletic Surfaces</i>			531,776
32-3100.001	<i>Site Furnishings</i>			
001	Bioretention Bridge, 56'	1.00 ls	65,000.00 /ls	65,000
001	Bicycle Racks (35) hop style 2 capacity racks, 27" high x 25" diameter, powdercoat	35.00 ea	875.00 /ea	30,625
001	Flexible Seating (13) sets - Freestanding table and chairs	13.00 ea	1,000.00 /ea	13,000
001	Permanent Seating (4) direct mount 72" picnic tables w/ (8) benches	4.00 ea	2,900.00 /ea	11,600
001	Trash and Recycling Receptacles (9) 45-gal split stream cast alum.	9.00 ea	1,925.00 /ea	17,325
001	Solar Powered Crossing Beacons			
001	Traffic Control	2.00 dy	1,500.00 /dy	3,000
001	Excavate & Backfill Bases	4.00 ea	1,250.00 /ea	5,000
001	Precast Bases	4.00 ea	1,750.00 /ea	7,000
001	Beacons	4.00 ea	16,750.00 /ea	67,000
001	Monument Sign			
001	Excavate & Backfill	25.00 cy	75.00 /cy	1,875
001	Footing Base Course	5.00 cy	75.00 /cy	375

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total		
				Amount		
32-3100.001	<i>Site Furnishings</i>					
	001 Masonry School Identification Sign Wall	1.00 ea	45,000.00 /ea		45,000	
	001 LEED Sign	1.00 ea	500.00 /ea		500	
	001 Flag Pole					
	001 Excavation & Backfill	1.00 ea	750.00 /ea		750	
	001 Round Tables	10.00 ea	1,250.00 /ea		12,500	
	001 Aluminum Chairs	50.00 ea	500.00 /ea		25,000	
	001 Freight	1.00 ls	5,000.00 /ls		5,000	
	001 Internal halyard flagpole (1), 35' high with 5'x10' flag	1.00 ea	15,000.00 /ea		15,000	
	<i>Site Furnishings</i>				325,550	
	16.00 Labor hours					
32-3113.060	<i>Site Fencing</i>					
	20 Construction Fencing - Temporary - See GC's					
	20 Electronic Lift Arm Barrier Gates					
	20 Excavate & Backfill Base Foundations	40.00 cy	350.00 /cy		14,000	
	20 Footing Base Course - Stone	6.00 cy	75.00 /cy		450	
	20 Fencing					
	20 Wood Guardrail	184.00 lf	130.435 /lf		24,000	
	20 Double Gate, Wood	1.00 lf	14,000.00 /lf		14,000	
	20 Vehicle Lift Arm	2.00 lf	14,500.00 /lf		29,000	
	20 Netting	300.00 lf	120.00 /lf		36,000	
	20 8' Black Vinyl Chain Link	425.00 lf	92.094 /lf		39,140	
	20 6' Black Vinyl Chain Link, Includes Fields	2,311.00 lf	88.273 /lf		204,000	
	20 Backstops	4.00 ea	11,250.00 /ea		45,000	
	20 4' Black Vinyl Chain Link	935.00 lf	42.781 /lf		40,000	
	20 6' Black Vinyl Chain Link	703.00 lf	48.364 /lf		34,000	
	20 10' Black Vinyl Chain Link	1,575.00 lf	95.238 /lf		150,000	
	20 4' Ornamental Fencing	98.00 lf	204.082 /lf		20,000	
	20 Wood Fencing	506.00 lf	88.933 /lf		45,000	
	20 Covers and Shelters					
	20 Radial Shade Structure - Streetlife Rough&Ready Curved	1,100.00 lf	150.00 /lf		165,000	
	20 Pre-K Playground Storage Shed - 6'x8'	1.00 ea	6,500.00 /ea		6,500	
	<i>Site Fencing</i>				866,090	
32-3200.110	<i>Site Landscaped Walls</i>					
	30 Landscape boulders	65.00 ea	450.00 /ea		29,250	
	30 Boulder retaining row walls (2)	80.00 lf	300.00 /lf		24,000	
	30 Precast concrete seat walls w/ CIP concrete bases	606.00 lf	350.00 /lf		212,100	
	30 Reinstall "Spartan Walkway" engraved stone monument	1.00 ea	2,000.00 /ea		2,000	
	30 Reinstall 48" square granite Spartan logo ground plaque and 24"x12" plaque	2.00 ea	1,200.00 /ea		2,400	
	30 Reinstall Granite Benches	2.00 ea	1,500.00 /ea		3,000	
	30 Gabion Walls	0.00 NIC				

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
	<i>Site Landscaped Walls</i>			<u>272,750</u>
32-8000.100	<i>Irrigation Systems</i>			
	2 Irrigation System	435,000.00	1.75 /sf	761,250
	<i>Irrigation Systems</i>			<u>761,250</u>
32-9113.120	<i>Landscaping Soils</i>			
	10 Planting Soil - 18"	1,650.00	85.00 /cy	140,250
	10 Prepare & Spread Topsoil			
	10 Screen & Amend	2,300.00	40.00 /cy	92,000
	10 Borrow Topsoil	2,600.00	50.00 /cy	130,000
	10 Spread Topsoil	25,600.00	15.00 /cy	384,000
	<i>Landscaping Soils</i>			<u>746,250</u>
32-9219.110	<i>Lawns & Grasses</i>			
	5 General Lawn Areas - Seed Mix	627,000.00	0.40 /sf	250,800
	5 Athletic Field Lawn Areas - Seed Mix	386,500.00	0.80 /sf	309,200
	5 Bioretention Areas - Seed Mix	17,500.00	0.45 /sf	7,875
	5 Native Meadow areas - Seed Mix	16,800.00	0.55 /sf	9,240
	5 Artificial Turf	4,000.00	12.00 /sf	48,000
	<i>Lawns & Grasses</i>			<u>625,115</u>
32-9343.110	<i>Trees and Plantings</i>			
	120 Large Deciduous Trees - 2.5" - 3" cal.	141.00	2,500.00 /ea	352,500
	120 Multi-Stem Trees - 8' - 10' HT	48.00	2,000.00 /ea	96,000
	120 Columnar Trees - 2" - 2.5" cal.	57.00	2,000.00 /ea	114,000
	120 Small / Flowering Trees - 2" - 2.5" cal.	50.00	1,750.00 /ea	87,500
	120 Evergreen Trees - 8' - 10' HT	81.00	1,500.00 /ea	121,500
	120 Understory Planting - 3 GAL	8,100.00	35.00 /ea	283,500
	120 Planting Accessories	0.00		
	120 Watering for Establishment during Maintenance	1.00	15,000.00 /ls	15,000
	120 Shredded Pine Bark Mulch (3" depth) at Planting Areas and Lawns	775.00	75.00 /cy	58,125
	120 Bioretention Soils	1,250.00	85.00 /cy	106,250
	120 Landscape Activities	0.00		
	120 90-day Maintenance Period	1.00	60,000.00 /ls	60,000
	120 One year warranty on Plantings	1.00	35,000.00 /ls	35,000
	<i>Trees and Plantings</i>			<u>1,329,375</u>
EXTERIOR IMPROVEMENTS				12,021,807
	16.00 Labor hours			
33-0000.000	UTILITIES			
33-1002.101	<i>Water Supply System</i>			
c 4	Permits	1.00	1,000.00 /ls	1,000
c 4	Trench Protection Boxes	2.00	1,500.00 /ea	3,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
<i>33-1002.101 Water Supply System</i>					
c 4	Trench Excavate & Backfill	4,400.00	cy	35.00 /cy	154,000
c 4	Steel Sleeves Through New Foundation	1.00	ea	500.00 /ea	500
c 4	2" Copper Pipe	300.00	lf	40.00 /lf	12,000
c 4	2" Copper Couplings	6.00	ea	500.00 /ea	3,000
c 4	2" Gate Valve & Box	1.00	ea	3,000.00 /ea	3,000
c 4	6" D.I. Pipe	200.00	lf	65.00 /lf	13,000
c 4	8" D.I. Pipe	3,600.00	lf	90.00 /lf	324,000
c 4	6" D.I. Fittings	2.00	ea	600.00 /ea	1,200
c 4	8" D.I. Fittings	22.00	ea	800.00 /ea	17,600
c 4	8" D.I. Hydrant Tee	6.00	ea	1,300.00 /ea	7,800
c 4	8" x 2" Tapping Tee	1.00	ea	1,000.00 /ea	1,000
c 4	6" Gate Valve & Box	6.00	ea	2,500.00 /ea	15,000
c 4	8" Gate Valve & Box	11.00	ea	4,000.00 /ea	44,000
c 4	6" Interior Building Connection	1.00	ea	2,500.00 /ea	2,500
c 4	Connect To Existing Meter Pit	1.00	ea	1,500.00 /ea	1,500
c 4	Fire Hydrant	5.00	ea	7,000.00 /ea	35,000
c 4	Restrained Joints	150.00	ea	75.00 /ea	11,250
c 4	Thrust Blocks	34.00	ea	175.00 /ea	5,950
c 4	Poly Wrap	4,100.00	lf	3.00 /lf	12,300
c 4	Sand Bedding	1,555.00	cy	50.00 /cy	77,750
c 4	Warning Tape	4,100.00	lf	0.15 /lf	615
c 4	Clean, Test, Disinfect	1.00	ls	5,000.00 /ls	5,000
c 4	Fire Protection Service				
c 4	FP Contractor Observation	1.00	dy	1,500.00 /dy	1,500
c 4	Trench Excavate & Backfill	115.00	cy	35.00 /cy	4,025
c 4	Steel Sleeves Through New Foundation	1.00	ea	500.00 /ea	500
c 4	8" D.I. Pipe	120.00	lf	90.00 /lf	10,800
c 4	8" D.I. Fittings	1.00	ea	800.00 /ea	800
c 4	8" Interior Building Connection	1.00	ea	3,000.00 /ea	3,000
c 4	Restrained Joints	9.00	ea	75.00 /ea	675
c 4	Thrust Blocks	3.00	ea	175.00 /ea	525
c 4	Poly Wrap	120.00	lf	3.00 /lf	360
c 4	Sand Bedding	40.00	cy	50.00 /cy	2,000
c 4	Warning Tape	120.00	lf	0.15 /lf	18
c 4	Clean, Test, Disinfect	1.00	ls	2,500.00 /ls	2,500
c 4	as built	1.00	ls	1,000.00 /ls	1,000
	<i>Water Supply System</i>				779,668
<i>33-1004.901 Sewer Pipe and Trenching</i>					
8	Trench Protection	3.00	ea	1,500.00 /ea	4,500
8	Trench Excavate & Backfill	4,265.00	cy	35.00 /cy	149,275
8	Stone Bedding	780.00	cy	65.00 /cy	50,700
8	4" D.I. Pipe	220.00	lf	80.00 /lf	17,600
8	4" D.I. Fittings	3.00	ea	450.00 /ea	1,350
8	6" D.I. Pipe	20.00	lf	65.00 /lf	1,300
8	6" SDR 35 PVC Pipe	1,482.00	lf	14.00 /lf	20,748
8	8" SDR 35 PVC Pipe	1,521.00	lf	26.00 /lf	39,546
8	8" SDR 35 PVC Fittings	1.00	ea	100.00 /ea	100
8	4" Sch40 PVC Pipe	280.00	lf	12.00 /lf	3,360
8	Connect to Building	9.00	ea	150.00 /ea	1,350
8	Connect to Existing SMH	1.00	ea	500.00 /ea	500

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
33-1004.901	<i>Sewer Pipe and Trenching</i>				
	8 Warning Tape	3,280.00 lf	0.15 /lf		492
	8 Clean, Test	1.00 ls	5,000.00 /ls		5,000
	8 Asphalt Saw cut	250.00 lf	6.00 /lf		1,500
	8 Remove & Replace Asphalt-(ROW)	1,150.00 sf	15.00 /sf		17,250
	8 Sewer Manholes	18.00 ea	5,000.00 /ea		90,000
	<i>Sewer Pipe and Trenching</i>				404,571
33-3614.110	<i>Grease Trap Installation</i>				
	01 Sewer Pump Station	1.00 ls	85,000.00 /ls		85,000
	01 Manhole Box	1.00 ls	5,000.00 /ls		5,000
	01 Excavation & Backfill	40.00 cy	50.00 /cy		2,000
	01 5,000 Gal Grease Trap	1.00 ea	30,000.00 /ea		30,000
	<i>Grease Trap Installation</i>				122,000
33-3614.220	<i>Storm Drainage Systems</i>				
04-06	Under Drain				
04-06	Trench Excavate & Backfill	185.00 cy	35.00 /cy		6,475
04-06	Stone Bedding	185.00 cy	65.00 /cy		12,025
04-06	6" HDPE Pipe	660.00 lf	12.00 /lf		7,920
04-06	6" HDPE Fittings	2.00 ea	75.00 /ea		150
04-06	Clean Outs - Concrete Encased	5.00 ea	1,000.00 /ea		5,000
04-06	Subsurface Infiltration System				
04-06	Bulk Excavate	285.00 cy	15.00 /cy		4,275
04-06	Filter Fabric	5,000.00 sf	0.60 /sf		3,000
04-06	Stone Bedding	190.00 cy	65.00 /cy		12,350
04-06	Storm-Tech SC-740 Chambers	54.00 ea	850.00 /ea		45,900
04-06	Storm-Tech SC-740 End Caps	12.00 ea	300.00 /ea		3,600
04-06	Clean Outs	2.00 ea	1,000.00 /ea		2,000
04-06	Bioretention				
04-06	PVC Liner (Basin 1 Only)	4,600.00 sf	3.00 /sf		13,800
04-06	Sand Bedding 4"	275.00 cy	50.00 /cy		13,750
04-06	6" PVC Perf Pipe	390.00 lf	15.00 /lf		5,850
04-06	6" PVC Perf Fittings	10.00 ea	85.00 /ea		850
04-06	Geo Fabric	1,500.00 sf	0.60 /sf		900
04-06	Pea Stone 8"	555.00 cy	65.00 /cy		36,075
04-06	Storm Drainage Piping				
04-06	Trench Protection Boxes	3.00 ea	5,000.00 /ea		15,000
04-06	Trench Excavate & Backfill	6,350.00 cy	35.00 /cy		222,250
04-06	Utility Crossings	5.00 ea	500.00 /ea		2,500
04-06	Stone Bedding	2,450.00 cy	65.00 /cy		159,250
04-06	6" PVC Pipe	156.00 lf	15.00 /lf		2,340
04-06	8" PVC Pipe	26.00 lf	26.00 /lf		676
04-06	12" HDPE Pipe	6,620.00 lf	20.00 /lf		132,400
04-06	18" HDPE Pipe	800.00 lf	50.00 /lf		40,000
04-06	24" HDPE Pipe	1,440.00 lf	75.00 /lf		108,000
04-06	12" HDPE Fittings	4.00 ea	350.00 /ea		1,400
04-06	Connect to Existing	2.00 ea	750.00 /ea		1,500
04-06	Building Connection	4.00 ea	250.00 /ea		1,000
04-06	Warning Tape	8,050.00 lf	0.15 /lf		1,208
04-06	Trench Drain 12"	30.00 lf	600.00 /lf		18,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total		
				Amount		
33-3614.220	<i>Storm Drainage Systems</i>					
04-06	Inline CB	1.00 ea	750.00 /ea	750		
04-06	Clean, Test	1.00 ls	5,000.00 /ls	5,000		
04-06	Storm Drainage Structures					
04-06	Catch Basins	34.00 ea	4,500.00 /ea	153,000		
04-06	Double Catch Basins	4.00 ea	5,000.00 /ea	20,000		
04-06	Drain Manholes	37.00 ea	4,500.00 /ea	166,500		
04-06	Outlet Control Structure	1.00 ea	8,000.00 /ea	8,000		
04-06	1,500 Gal Oil-Water Separator	1.00 ea	17,500.00 /ea	17,500		
04-06	Area Drain 30" Pre-Cast	11.00 ea	3,000.00 /ea	33,000		
04-06	450 Gal Water Quality Unit	7.00 ea	12,000.00 /ea	84,000		
04-06	900 Gal Water Quality Unit	3.00 ea	20,000.00 /ea	60,000		
04-06	Area Drain 30" Pre-Cast	17.00 ea	3,000.00 /ea	51,000		
04-06	Leaching Catch Basins	4.00 ea	5,000.00 /ea	20,000		
	<i>Storm Drainage Systems</i>				1,498,194	
33-4115.000	<i>Site Electrical - Sitework</i>					
008	Tennis Court Lighting					
008	Trench Excavation & Backfill	675.00 lf	40.00 /lf	27,000		
008	Detection Tape	675.00 lf	0.15 /lf	101		
008	Light Base Excavation & Backfill	8.00 ea	250.00 /ea	2,000		
008	C-I-P Concrete Bases - Use Salvaged	8.00 ea	1,500.00 /ea	12,000		
008	Pipe Bedding	60.00 cy	50.00 /cy	3,000		
008	Site Lighting					
008	Trench Excavation & Backfill	8,550.00 lf	35.00 /lf	299,250		
008	Detection Tape	8,550.00 lf	0.15 /lf	1,283		
008	Light Base Excavation & Backfill	79.00 ea	250.00 /ea	19,750		
008	C-I-P Concrete Bases 2'x5'	79.00 ea	850.00 /ea	67,150		
008	Pipe Bedding	860.00 cy	50.00 /cy	43,000		
008	Bollard Light Bases (12" Dia. x 4')	9.00 ea	600.00 /ea	5,400		
008	Site Electric Placeholder	1.00 ls				
	<i>Site Electrical - Sitework</i>				479,934	
33-7000.000	<i>Site Electrical - Electrical Contractor Scope</i>					
001	Electrical Site Distribution					
001	Primary service pole riser	1.00 ea	2,800.00 /ea	2,800		
001	Primary service 2x 4" PVC Duct bank	1,178.00 lf	75.00 /lf	88,350		
001	Electric manhole grounding & racking	3.00 ea	2,200.00 /ea	6,600		
001	Precast concrete transformer base	1.00 ea	745.68 /ea	746		
001	Transformer pad grounding	1.00 ea	1,975.20 /ea	1,975		
001	Trans closure 5400A 277/480v	1.00 ea	35,361.00 /ea	35,361		
001	Secondary service (10) 4" PVC	268.00 lf	92.43 /lf	24,771		
001	PV System pad mounted service switch 1000A 277/480v	1.00 ea	37,543.00 /ea	37,543		
001	Utility PV Switchboard (3) 4" PVC	20.00 lf	710.11 /lf	14,202		
001	Temp generator cam-lock cabinet 400A 277/480v	1.00 ea	24,531.00 /ea	24,531		
001	Generator aux power & controls (2) 2" PVC	1.00 lf	1,831.00 /lf	1,831		
001	Generator emergency feeder 4" PVC	235.00 lf	128.12 /lf	30,108		
001	Generator pad grounding	1.00 ea	2,951.00 /ea	2,951		
001	Generator standby feeder (3) 4" pvc	235.00 lf	384.35 /lf	90,322		
001	EV Charger locations	5.00 ea	19,496.54 /ea	97,483		

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
33-7000.000	<i>Site Electrical - Electrical Contractor Scope</i>				
001	EV circuits 1 1/4" PVC - 3 # 4	1,850.00	lf	14.28 /lf	26,418
001	Future EV Circuits 1 1/2" PVC - 5 # 2	14,200.00	lf	27.82 /lf	395,044
001	Future EV location Quazite Hand hole	22.00	ea	1,249.76 /ea	27,495
001	Future PV secondary feeder (4) 4"PVC	235.00	lf	85.09 /lf	19,996
001	New scoreboards circuits & connections	2.00	ea	13,126.69 /ea	26,253
001	Disconnect & remove existing site poles, remove conductors	8.00	ea	628.00 /ea	5,024
001	Coordinate with NGRID all utility lines & pole removals or replacements	1.00	ea	3,579.26 /ea	3,579
001	Scoreboard extend existing 200A feeder to new location	1.00	ea	11,769.26 /ea	11,769
001	Tennis court service & control panel 200A feeder to new location	1.00	ea	12,962.35 /ea	12,962
001	Disconnect existing 600A stadium feeder & remove	1.00	ea	3,705.00 /ea	3,705
001	Disconnect site power & control circuiting , remove	3.00	ea	9,545.00 /ea	28,635
001	Identify stadium circuits to remain and protect during construction	1.00	ea	5,403.00 /ea	5,403
001	Remove & relocate tennis court pole lights	8.00	ea	1,445.00 /ea	11,560
001	Tennis court lighting circuits	656.00	lf	28.20 /lf	18,499
001	Provide new pole bases for Musco tennis court lighting	8.00	ea	20,093.00 /ea	160,744
001	Clean relamp existing nMusco fixtures	1.00	lf	6,663.00 /lf	6,663
001	Extend 200A service to ne scoreboard location (2) 2-1/2" PVC	420.00	ea	62.04 /ea	26,057
001	Primary service duct bank 2x4": PVC for stadium & field pad transformers	697.00	ea	44.12 /ea	30,752
001	Stadium transformer pad grounding	1.00	lf	1,975.00 /lf	1,975
001	Stadium lighting feeder	76.00	lf	50.71 /lf	3,854
001	Press box feeder	227.00	lf	29.81 /lf	6,767
001	Concession stand feeder	90.00	lf	35.38 /lf	3,184
001	Electrical Site Lighting				
001	Site Lighting fixture budget	1.00	ls	325,000.00 /ls	325,000
001	Type AA1 LED Site pole single head 25' pole	18.00	ea	894.82 /ea	16,107
001	Type AA2 LED Site pole dual head 25' pole	10.00	ea	1,118.52 /ea	11,185
001	Type AA3 LED Site pole single head 25' pole	10.00	ea	894.82 /ea	8,948
001	Type AA3-BC LED Site pole single head 25' pole	5.00	ea	894.82 /ea	4,474
001	Type AA4 LED Site pole single head 25' pole	9.00	ea	894.82 /ea	8,053
001	Type AA5 LED Site pole dual head 25' pole	1.00	ea	1,118.52 /ea	1,119
001	Type BB1 LED Post fixture on 12' pole	18.00	ea	596.54 /ea	10,738
001	Type BB2a LED Post fixture on 12' pole	6.00	ea	596.54 /ea	3,579
001	Type BB2b LED Post fixture on 12' pole	10.00	ea	596.54 /ea	5,965
001	Type CC LED Ingrate flag pole light	3.00	ea	358.67 /ea	1,076
001	Type DD LED Bollard	9.00	ea	410.12 /ea	3,691
001	Bollard branch circuits 1" PVC 3#8	850.00	lf	11.95 /lf	10,158
001	Precast concrete pole bases	87.00	ea	1,206.32 /ea	104,950
001	Precast Bollard pole bases	9.00	ea	1,321.30 /ea	11,892
001	Quazite in grade pull boxes	10.00	ea	1,345.70 /ea	13,457
001	Site lighting branch circuits 1-1/4" PVC 4#6	7,400.00	lf	16.12 /lf	119,288
001	Site Communications				
001	Telecomm service pole riser (2) 4" GRC	1.00	lf	3,394.90 /lf	3,395

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
33-7000.000	<i>Site Electrical - Electrical Contractor Scope</i>			
001	Telecomm service 4x 4" PVC Duct bank	200.00 lf	72.37 /lf	14,474
001	Telecomm pulbox racks & grounding	3.00 lf	2,653.00 /lf	7,959
	<i>Site Electrical - Electrical Contractor Scope</i>			<u>1,981,421</u>
UTILITIES				5,265,787
01 - High School High School			611.855/sf	117,351,329
191,796.00 sf				
	3,268.443 Labor hours			

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Total	Amount
<u>02 - Concession</u>					
03-0000.000 CONCRETE					
03-0022.140	<i>Concrete - Form and Finish Flatwork</i> 100 Place & Finish - SOG, Concession <i>Concrete - Form and Finish Flatwork</i>	1,405.00	sf	7.00 /sf	9,835 <hr/> 9,835
03-1113.102	<i>Forms- Footing</i> 10 Form & Place - Footings - Concession <i>Forms- Footing</i>	304.00	sf	18.00 /sf	5,472 <hr/> 5,472
03-1113.180 a 4	<i>Forms- Wall Forms</i> Form & Place - Frost Wall Foundations - Concession <i>Forms- Wall Forms</i>	1,400.00	sf	18.00 /sf	25,200 <hr/> 25,200
03-1113.630	<i>Vapor Barrier</i> 12 15 mil Vapor Barrier, Concession <i>Vapor Barrier</i>	1,405.00	sf	0.85 /sf	1,194 <hr/> 1,194
03-2200.110	<i>Wire Mesh</i> 110 WWF Reinforcement - SOG, Concession <i>Wire Mesh</i>	1,292.00	sf	1.00 /sf	1,292 <hr/> 1,292
03-3000.100	<i>Concrete Material</i> 30 Purchase Concrete Material - Footing & Walls - Concession 30 Purchase Concrete Material - SOG - 5", Concession <i>Concrete Material</i>	35.00	cy	135.00 /cy	4,725
		38.00	cy	135.00 /cy	5,130 <hr/> 9,855
CONCRETE					52,848
04-0000.000 MASONRY					
04-2113.120	<i>Brick & Block</i> 110 Pre-cast Sills - Concession <i>Brick & Block</i>	20.00	lf	75.00 /lf	1,500 <hr/> 1,500
04-2200.080	<i>CMU Block</i> 102 M4 - 4" CMU, Concession Building	2,135.00	sf	28.00 /sf	59,780

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
Total				
04-2200.080	<i>CMU Block</i>			
102	10" Ground Face CMU, Concession Building	1,800.00	sf	68,400
	<i>CMU Block</i>			128,180
04-9590.110	<i>Staging</i>			
5	Masonry Staging - Exterior - Concession	2,000.00	sf	7,000
	<i>Staging</i>			7,000
MASONRY				136,680
05-0000.000	METALS			
05-1200.110	<i>Structural Steel</i>			
a 01	Structural Steel - Concession Building - 11/psf assumed	8.00	ton	52,000
a 01	Structural Steel - Decking	1,750.00	sf	12,250
	<i>Structural Steel</i>			64,250
METALS				64,250
06-2000.000	FINISH CARPENTRY			
06-2000.010	<i>Finish Carpentry</i>			
2	PLAM Worktops w/Brackets - Concession	36.00	lf	9,000
2	Tall Cabinets - Concession	9.00	lf	10,048
2	Base Cabinets w/PLAM Tops - Concession	5.00	lf	3,163
	<i>Finish Carpentry</i>			22,211
FINISH CARPENTRY				22,211
07-0000.000	THERMAL & MOIST PROTECT			
07-4616.100	<i>Composite Wall Panel</i>			
2	Metal Panels	300.00	sf	36,000
	<i>Composite Wall Panel</i>			36,000
THERMAL & MOIST PROTECT				36,000
08-0000.000	DOORS & WINDOWS			
08-1100.300	<i>Doors- HM Doors & Frames</i>			
220	Double Door HM 6-0x7-0 - Flush, Insulated - Concession	2.00	pr	3,600
220	Exterior Door Install - Concession	2.00	ea	2,500
220	FRAMES			
220	Exterior - Typical Single - Concession	2.00	ea	2,500

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
08-1100.300	<i>Doors- HM Doors & Frames</i>			
220	DOORS - Concession			
220	Type 1 - Single Door HM 3-0x7-0 - Flush	7.00 ea	740.00 /ea	5,180
220	Type 6 - Double Door HM 6-0x7-0, Flush	1.00 pr	1,470.00 /pr	1,470
	<i>Doors- HM Doors & Frames</i>			15,250
08-3500.100	<i>Doors Overhead</i>			
50	Overhead Door - 8' x 6' - Concession	1.00 ea	5,000.00 /ea	5,000
	<i>Doors Overhead</i>			5,000
08-5113.100	<i>Windows</i>			
10	Exterior Aluminum Windows - Concession (Triple Glazed)	30.00 sf	185.00 /sf	5,550
	<i>Windows</i>			5,550
08-7100.090	<i>Finish Hardware</i>			
10	Double Interior Door Hardware Allowance	1.00 ea	2,250.00 /ea	2,250
10	Single Interior Door Hardware Allowance	7.00 ea	1,500.00 /ea	10,500
10	Door & Hardware Install	8.00 ea	500.00 /ea	4,000
	<i>Finish Hardware</i>			16,750
08-8100.100	<i>Glazing- Glass</i>			
100	Exterior Transaction window - Concession	3.00 ea	6,000.00 /ea	18,000
	<i>Glazing- Glass</i>			18,000
DOORS & WINDOWS				60,550
09-0000.000	FINISHES			
09-5000.110	<i>Ceilings</i>			
2	Drywall Ceilings	1,160.00 sf	25.00 /sf	29,000
	<i>Ceilings</i>			29,000
09-6543.100	<i>Specialty Flooring</i>			
002	Seal concrete, Concession	1,160.00 sf	3.50 /sf	4,060
	<i>Specialty Flooring</i>			4,060
09-9123.200	<i>Painting - Interior and Exterior</i>			
10	Paint Walls, Block Filler - Concession	3,935.00 sf	0.85 /sf	3,345
20	Paint GYB Ceilings	1,160.00 sf	2.00 /sf	2,320
	<i>Painting - Interior and Exterior</i>			5,665

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
				38,725
FINISHES				
10-0000.000	SPECIALTIES			
10-2113.110	<i>Toilet Partitions</i>			
	2 ADA Toilet Compartment - Concession	2.00	ea 2,750.00 /ea	5,500
	2 Standard Toilet Compartment - Concession	4.00	ea 2,000.00 /ea	8,000
	<i>Toilet Partitions</i>			13,500
10-2813.100	<i>Toilet Accessories</i>			
	2 42" ADA 18 Gage Stainles Steel Grab Bars - Concession	8.00	ea 130.00 /ea	1,040
	2 Janitors Closet Accessories - Concession	1.00	ea 350.00 /ea	350
	2 Utility Hooks - Concession	8.00	ea 50.00 /ea	400
	2 Electric Hand Dryer - Concession	2.00	ea 400.00 /ea	800
	2 Install OFCI Items - Concession	1.00	cd 1,500.00 /cd	1,500
	<i>Toilet Accessories</i>			4,090
	8.00 Labor hours			
10-5623.100	<i>Metal Storage Shelving</i>			
	54 Metal Storage Shelving, Allowance - Concession	3.00	ea 750.00 /ea	2,250
	<i>Metal Storage Shelving</i>			2,250
	3.00 Labor hours			
SPECIALTIES				19,840
	11.00 Labor hours			
11-0000.000	EQUIPMENT			
11-3000.110	<i>Residential Food Equip</i>			
	50 Concession Refrigerator Allowance	3.00	ea 4,000.00 /ea	12,000
	<i>Residential Food Equip</i>			12,000
EQUIPMENT				12,000
22-0000.000	PLUMBING			
22-1000.000	<i>Plumbing</i>			
	10 Plumbing - Concessions Building			
	10 Testing & Disinfection	1.00	ls 200.00 /ls	200
	10 Coordination & Management	1.00	ls 1,600.00 /ls	1,600
	10 Permits and Fees	1.00	ls 250.00 /ls	250
	10 Coring & Patching / Firestopping	1.00	ls 800.00 /ls	800
	10 Hoisting & Rigging / Floor Loading	1.00	ls 600.00 /ls	600
	10 Domestic HW Pipe Branch	500.00	sf 55.00 /sf	27,500
	10 Pipe Insulation - (Branch)	500.00	sf 15.00 /sf	7,500
	10 4" Sanitary Waste & Vent Pipe (UG)	60.00	lf 41.75 /lf	2,505

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
22-1000.000	<i>Plumbing</i>				
	10 3" Sanitary Waste & Vent Pipe (UG)	120.00 lf	38.55 /lf		4,626
	10 4" Sanitary Waste & Vent Pipe (AG)	60.00 lf	45.65 /lf		2,739
	10 2" Sanitary Waste & Vent Pipe (AG)	80.00 lf	34.65 /lf		2,772
	10 1-1/2" Sanitary Waste & Vent Pipe (AG)	100.00 lf	29.90 /lf		2,990
	10 Electric Water Heater	2.00 ea	18,000.00 /ea		36,000
	10 3" Floor Drain	3.00 ea	420.00 /ea		1,260
	10 P-Trap	3.00 ea	195.00 /ea		585
	10 Hose Bibb	2.00 ea	215.00 /ea		430
	10 Wall Hydrant	1.00 ea	295.00 /ea		295
	10 LAV-1 - Lavatory - Wall Mounted	4.00 ea	1,025.00 /ea		4,100
	10 UR-1 - Urinal - Wall Mount	2.00 ea	1,150.00 /ea		2,300
	10 WC-1 - Water Closet - Wall Mounted	5.00 ea	1,300.00 /ea		6,500
	10 WC-1A - ADA Water Closet - Wall Mounted	2.00 ea	1,375.00 /ea		2,750
	10 Wall Carrier	9.00 ea	595.00 /ea		5,355
	<i>Plumbing</i>				<u>113,657</u>
	PLUMBING				113,657
23-0000.000	HVAC				
23-0100.110	<i>HVAC</i>				
	2 HVAC - Concession Building				
	2 Coordination & management / BIM	1.00 ls	1,200.00 /ls		1,200
	2 Equipment start up and inspection	1.00 ls	800.00 /ls		800
	2 Coring & patching / firestopping	1.00 ls	600.00 /ls		600
	2 Hoisting & rigging / floor loading	1.00 ls	500.00 /ls		500
	2 Duct wrap insulation	180.00 sf	5.70 /sf		1,026
	2 Ductwork Galvanized	225.00 lb	20.00 /lb		4,500
	2 RGD's	5.00 lf	175.00 /lf		875
	2 EF-CN-1 - Concessions Building Exhaust Fan	1.00 ea	1,200.00 /ea		1,200
	2 UH - Unit Heater (5 KW)	3.00 ea	2,250.00 /ea		6,750
	2 UH - Unit Heater (7.5 KW)	7.00 ea	2,680.00 /ea		18,760
	<i>HVAC</i>				<u>36,211</u>
23-0900.100	<i>Controls</i>				
	20 Thermostat Controls	6.00 ea	450.00 /ea		2,700
	<i>Controls</i>				<u>2,700</u>
	HVAC				38,911
26-0000.000	ELECTRICAL				
26-0000.100	<i>Electrical</i>				
	10 General Power - Concession	1.00 ea	22,000.00 /ea		22,000
	10 Lighting fixture - Concession, Allowance	1.00 ls	8,500.00 /ls		8,500
	10 Feeders - Concession	1.00 ea	3,800.00 /ea		3,800

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Total	Amount
	<i>Electrical</i>				34,300
	ELECTRICAL				34,300
28-0000.000	ELECTRONIC SAFETY & SECURITY				
<i>28-3000.000</i>	<i>Electronic Detection & Alarm</i>				
10	Fire Alarm - Concession	1.00	ea	18,000.00 /ea	18,000
	<i>Electronic Detection & Alarm</i>				18,000
	ELECTRONIC SAFETY & SECURITY				18,000
31-0000.000	EARTHWORK				
<i>31-1400.110</i>	<i>Earthwork</i>				
10	Concessions Building				
10	Footing Excavation & Backfill w/ In-Situ Soils	60.00	cy	50.00 /cy	3,000
10	Sand & Gravel Base Course Under Ftg's & Piers - 6"	20.00	cy	55.00 /cy	1,100
10	Trench Excavation & Backfill w/ In-Situ Soils	20.00	cy	45.00 /cy	900
10	4" Perforated PVC Pipe	155.00	lf	8.00 /lf	1,240
10	4" PVC Fittings	5.00	ea	75.00 /ea	375
10	Filter Fabric	1,550.00	sf	0.60 /sf	930
10	3/4" Crushed Stone	30.00	cy	60.00 /cy	1,800
10	Engineered Fill Backfill To Subgrade	45.00	cy	55.00 /cy	2,475
10	Processed Gravel Base Under Slab - 8"	45.00	cy	65.00 /cy	2,925
10	Finegrading	1,345.00	sf	1.50 /sf	2,018
	<i>Earthwork</i>				16,763
	EARTHWORK				16,763
	02 - Concession Concession Building			474.810/sf	664,734
	1,400.00 sf				
	11.00 Labor hours				

East Longmeadow High School

Estimate Totals

Description	Amount	Totals	Rate	Cost per Unit
Direct Cost	118,016,064	118,016,064		615.321 /sf
Design Contingency	5,900,803		5.000 %	30.766 /sf
Escalation	3,540,482		3.000 %	18.460 /sf
Construction Contingency	2,949,868		2.000 %	15.380 /sf
Subtotal	12,391,153	130,407,217		679.927 /sf
		130,407,217		679.927 /sf
GR's - Price Proposal				
GC's/Staffing (C.1,C.2)	5,088,077			26.529 /sf
GC's (C.5,C.6,C.7)	1,412,250			7.363 /sf
GRs - Div. 1 - Direct Cost	4,605,000			24.010 /sf
Preconstruction				
Subtotal	11,105,327	141,512,544		737.828 /sf
General Liability Insurance	1,615,053		1.095 %	8.421 /sf
Performance & Payment Bonds	1,025,079		0.695 %	5.345 /sf
Builder's Risk	311,211		0.211 %	1.623 /sf
Polution Insurance	79,646		0.054 %	0.415 /sf
Building Permit Cost - Waived				
Subtotal	3,030,989	144,543,533		753.632 /sf
CM Fee (OH&P)	2,949,868		2.000 %	15.380 /sf
Subtotal	2,949,868	147,493,401		769.012 /sf
Project GSF 191,796				
Total		147,493,401		769.012 /sf

East Longmeadow High School - Alternates

Project name	East Longmeadow High School - Alternates
Document	DD - Alternates
Estimator	Fontaine Bros.
Job size	191796 sf
Project	Academic
Notes	

East Longmeadow High School - Alternates

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
S1				
03-0000.000	CONCRETE			
03-0010.165	<i>Concrete Foundations</i>			
125	Concrete Material - Slab (12' x 32' assumed) <i>Concrete Foundations</i>	384.00 sf	28.647 /sf	11,000 <u>11,000</u>
	CONCRETE			11,000
32-0000.000	EXTERIOR IMPROVEMENTS			
32-1216.120	<i>Pre-Fab Buildings</i>			
25	Supply and install prefab storage building (10' x 30') <i>Pre-Fab Buildings</i>	300.00 sf	171.881 /sf	51,564 <u>51,564</u>
	EXTERIOR IMPROVEMENTS			51,564
	S1 Sports Field Storage Building 10' x 30'			62,565

East Longmeadow High School - Alternates

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
S2					
32-0000.000	EXTERIOR IMPROVEMENTS				
32-8000.100	<i>Irrigation Systems</i>				
2	Irrigation System, Additional to Base Bid (245,000 SF)	245,000.00	sf	2.005 /sf	491,292
	<i>Irrigation Systems</i>				491,292
	EXTERIOR IMPROVEMENTS				491,292
	S2 Additional Athletic Field Irrigation				491,292

East Longmeadow High School - Alternates

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
S3				
32-0000.000	EXTERIOR IMPROVEMENTS			
32-9219.110	<i>Lawns & Grasses</i>			
5	Athletic Field Lawn Areas - Seed Mix	-386,500.00	sf	0.917 /sf (354,303)
5	General Lawn Areas - Seed Mix	-48,500.00	sf	0.458 /sf (22,230)
5	SOD, Athletic Fields	435,000.00	sf	2.979 /sf 1,295,980
	<i>Lawns & Grasses</i>			<u>919,447</u>
	EXTERIOR IMPROVEMENTS			919,447
	S3 Sod ILO of Seed			919,447

East Longmeadow High School

Project name	East Longmeadow High School 180 Maple Street East Longmeadow MA 01028
Architect	Jones Whitsett Architects
Document	DD Estimate
Estimator	Fontaine Bros.
Job size	191796 sf
Project	Academic

East Longmeadow High School

				Total	
Item	Description	Takeoff Qty	Unit Cost		Amount
<u>01 - High School</u>					
A	SUBSTRUCTURE				
A10	FOUNDATIONS				
A1010	Standard Foundations				
03-0000.000	CONCRETE				
	110 Concrete Engineering and Layout	1.00	cd	1,250.00 /cd	1,250
	110 Misc. Concrete Accessories	1.00	ls	7,500.00 /ls	7,500
	110 Winter Conditions - Allowance	1.00	ls	100,000.00 /ls	100,000
	110 Concrete Supervision / GCs	1.00	ls	50,000.00 /ls	50,000
	110 Concrete Equipment	1.00	ls	35,000.00 /ls	35,000
	110 Drill and Epoxy Dowels	1.00	ls	10,000.00 /ls	10,000
	110 60-100% CD Bridging Allowance	1.00	ls	250,000.00 /ls	250,000
	10 Form & Place - Isolated Footings	8,480.00	sf	18.00 /sf	152,640
	10 Form & Place - Footings	4,880.00	sf	18.00 /sf	87,840
	10 Form & Place - Piers	2,808.00	sf	18.00 /sf	50,544
	10 Form & Place Elevator Pit Slab	100.00	sf	18.00 /sf	1,800
	10 Form & Place - Grade Beam	1,500.00	sf	18.00 /sf	27,000
a 4	Form & Place - Frost Wall Foundations	19,504.00	sf	18.00 /sf	351,072
a 4	Form & Place Elevator Pit Walls	480.00	sf	18.00 /sf	8,640
	120 Rigid Insulation - Perimeter Walls, 4"	9,996.00	sf	5.00 /sf	49,980
	202 Rebar - Walls & Footings	89.00	ton	2,500.00 /ton	222,500
	202 Rebar - Walls & Footings, Concession	2.89	ton	2,500.00 /ton	7,225
	30 Purchase Concrete Material - Footings	837.00	cy	135.00 /cy	112,995
	30 Purchase Concrete Material - Walls	642.00	cy	135.00 /cy	86,670
	CONCRETE			8.408/sf	1,612,656
	191,796.00 sf				
07-0000.000	THERMAL & MOIST PROTECT				
	2 Damproofing/Coverboard At Frost Walls				
	2 Elevator Pit Waterproofing	1.00	ea	6,500.00 /ea	6,500
	2 Damproofing at Recessed Areas (Auditorium)	2,600.00	sf	8.50 /sf	22,100
	THERMAL & MOIST PROTECT			0.149/sf	28,600
	191,796.00 sf				
31-0000.000	EARTHWORK				
	10 Interior Utility Earthwork				
	10 Trench Excavation & Backfill w/ In-Situ Soils	2,600.00	cy	45.00 /cy	117,000
	10 Pipe Bedding	1,650.00	cy	45.00 /cy	74,250
	10 Under Slab Radon Piping				
	10 Prep For PVC Trunk Lines - 4"				
	10 Prep For Vapor Mats 1' w x 1" Thick	6,000.00	lf	3.00 /lf	18,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
				Total
31-0000.000	EARTHWORK			
10	Building Earthwork			
10	Footing & Pier Excavation & Backfill w/ In-Situ Soils	2,500.00 cy	45.00 /cy	112,500
10	Sand & Gravel Base Course Under Ftg's & Piers - 6"	615.00 cy	50.00 /cy	30,750
10	Building Earthwork			
10	Footing & Pier Excavation & Backfill w/ In-Situ Soils	1,100.00 cy	20.00 /cy	22,000
10	Unsuitable Excavation Below Footings & Piers	4,000.00 cy	20.00 /cy	80,000
10	Replace Unsuitable w/ S&G Fill Below Footings	5,615.00 cy	45.00 /cy	252,675
10	Backfill Footings & Piers w/ S&G Fill	1,100.00 cy	45.00 /cy	49,500
10	Under Slab Radon Piping			
10	Prep For PVC Trunk Lines - 6"			
10	Prep For Vapor Mats 1' w x 1" Thick	6,000.00 lf	3.00 /lf	18,000
10	Engineered Fill Backfill To Slab Subgrade - Borrow	10,000.00 cy	55.00 /cy	550,000
	EARTHWORK		6.907/sf	1,324,675
	191,796.00 sf			
A1010 Standard Foundations				15.464/sf
	191,796.00 sf			2,965,931
A1030 Slab on Grade				
03-0000.000	CONCRETE			
100	Place & Finish - SOG	140,160.00 sf	7.00 /sf	981,120
100	Place & Finish - SOG - 1" Recess at PT-1	17,300.00 sf	2.25 /sf	38,925
12	15 mil Vapor Barrier	140,160.00 sf	0.95 /sf	133,152
120	Rigid Insulation SOG - 2" - Full Coverage Minus 6' Perim.	125,520.00 sf	3.50 /sf	439,320
120	Rigid Insulation SOG - 4" @ Perimeter Only, 6' Width	14,640.00 sf	5.00 /sf	73,200
120	Rigid Insulation - 4" - Full Coverage - Concession	1,292.00 sf	5.00 /sf	6,460
208	Purchase Misc. SOG Rebar	140,160.00 sf	0.65 /sf	91,104
110	WWF Reinforcement - SOG	161,184.00 sf	1.00 /sf	161,184
30	Purchase Concrete Material - SOG - 5"	2,561.00 cy	135.00 /cy	345,735
	CONCRETE		11.837/sf	2,270,200
	191,796.00 sf			
A1030 Slab on Grade				11.837/sf
	191,796.00 sf			2,270,200

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Total	Amount
<i>A10 FOUNDATIONS</i>			<i>27.301/sf</i>		<i>5,236,131</i>
	<i>191,796.00 sf</i>				
A SUBSTRUCTURE			27.301/sf		5,236,131
	191,796.00 sf				
B	SHELL				
<i>B10</i>	<i>SUPERSTRUCTURE</i>				
<i>B1010</i>	<i>Floor Construction</i>				
<i>03-0000.000</i>	<i>CONCRETE</i>				
100	Place & Finish - SOD	52,800.00	sf	7.00 /sf	369,600
210	Rebar At SOD	52,800.00	sf	0.65 /sf	34,320
110	WWF Reinforcement - SOD	60,720.00	sf	1.00 /sf	60,720
30	Purchase Concrete Material - SOD, Light Weight	886.00	cy	135.00 /cy	119,610
	<i>CONCRETE</i>			<i>3.046/sf</i>	<i>584,250</i>
	<i>191,796.00 sf</i>				
<i>05-0000.000</i>	<i>METALS</i>				
a 01	Structural Steel, W Shapes - B1010 Floor Steel	374.00	ton	5,600.00 /ton	2,094,400
a 01	Structural Steel - Columns & Bracing - B1010	252.00	ton	5,600.00 /ton	1,411,200
a 01	60-100% CD Bridging Allowance	1.00	ls	300,000.00 /ls	300,000
a 01	Structural Steel Field Work	1.00	ls	125,000.00 /ls	125,000
618	Metal Floor Deck - 3" 18 ga.	51,200.00	sf	8.00 /sf	409,600
	<i>METALS</i>			<i>22.629/sf</i>	<i>4,340,200</i>
	<i>191,796.00 sf</i>				
<i>07-8000.000</i>	<i>FIRE & SMOKE PROTECTION</i>				
2	Fireproofing - Spray Applied, Beams & Columns	51,200.00	sf	3.25 /sf	166,400
2	Fireproofing Not yet Detailed - Allowance	1.00	ls	30,000.00 /ls	30,000
2	Expansion Joints - Building	1.00	ls	50,000.00 /ls	50,000
	<i>FIRE & SMOKE PROTECTION</i>			<i>1.285/sf</i>	<i>246,400</i>
	<i>191,796.00 sf</i>				
<i>B1010 Floor Construction</i>				<i>26.960/sf</i>	<i>5,170,850</i>
	<i>191,796.00 sf</i>				

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
				Total
<i>B1010 Floor Construction</i>				<i>26.960/sf</i>
<i>191,796.00 sf</i>				<i>5,170,850</i>
<hr/>				
<i>B1020</i>		<i>Roof Construction</i>		
<hr/>				
<i>03-0000.000</i>	<i>CONCRETE</i>			
100	Place & Finish - Roof MEP Pads	21,363.00	sf	7.00 /sf
30	Purchase Concrete Material - SOD - Roof MEP Pads	337.00	cy	135.00 /cy
				<i>1.017/sf</i>
<i>191,796.00 sf</i>				<i>195,036</i>
<hr/>				
<i>05-0000.000</i>	<i>METALS</i>			
a 01	Structural Steel, W Shapes, Columns & Bracing - B1020 Roof	290.00	ton	5,600.00 /ton
a 01	Structural Steel, Long Span Joists, Allowance (6 psf)	78.00	ton	5,600.00 /ton
a 01	Structural Steel - Roof Screen	18.50	ton	6,500.00 /ton
320	Metal Roof Deck - 3" 18 ga.	129,430.00	sf	6.50 /sf
320	Metal Roof Deck - 3" 18 ga. R3CA (Accoustical)	16,400.00	sf	12.00 /sf
				<i>16.784/sf</i>
<i>191,796.00 sf</i>				<i>3,219,145</i>
<hr/>				
<i>06-0000.000</i>	<i>ROUGH CARPENTRY</i>			
50-11	Glu-Lam 8.75" x 33" - Lobby	580.00	lf	255.00 /lf
				<i>0.771/sf</i>
<i>191,796.00 sf</i>				<i>147,900</i>
				<i>147,900</i>
<i>2,429.689 Labor hours</i>				
<hr/>				
<i>07-8000.000</i>	<i>FIRE & SMOKE PROTECTION</i>			
2	Fireproofing - Spray Applied, Beams, Columns & Regular Decking	105,000.00	sf	3.25 /sf
				<i>1.779/sf</i>
<i>191,796.00 sf</i>				<i>341,250</i>
<hr/>				
<i>B1020 Roof Construction</i>				<i>20.351/sf</i>
<i>191,796.00 sf</i>				<i>3,903,331</i>
<i>2,429.689 Labor hours</i>				



East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
<i>B1020 Roof Construction</i>			<i>20.351/sf</i>	<i>3,903,331</i>
	191,796.00 sf			
	2,429.689 Labor hours			
<i>B10 SUPERSTRUCTURE</i>			<i>47.312/sf</i>	<i>9,074,181</i>
	191,796.00 sf			
	2,429.689 Labor hours			
<i>B20</i>	<i>EXTERIOR VERTICAL ENCLOSURES</i>			
<i>B2010</i>	<i>Exterior Walls</i>			
<i>04-0000.000</i>	<i>MASONRY</i>			
110	Exterior Mock up - Masonry Allowance	1.00	ls 50,000.00 /ls	50,000
110	Brick Veneer - Typical	36,596.00	sf 44.00 /sf	1,610,224
110	Brick Veneer - Accent	8,947.00	sf 49.00 /sf	438,403
110	Stone / Granite Base	2,388.00	lf 251.256 /lf	600,000
110	Pre-cast bands	2,580.00	lf 75.00 /lf	193,500
110	Pre-cast Sills	1,675.00	lf 75.00 /lf	125,625
5	Exterior Staging	75,000.00	sf 3.50 /sf	262,500
	<i>MASONRY</i>		<i>17.103/sf</i>	<i>3,280,252</i>
	191,796.00 sf			
<i>05-0000.000</i>	<i>METALS</i>			
140	Loose Lintels - Masonry	1,865.00	lf 35.00 /lf	65,275
	<i>METALS</i>		<i>0.340/sf</i>	<i>65,275</i>
	191,796.00 sf			
<i>06-0000.000</i>	<i>ROUGH CARPENTRY</i>			
t 2x 4 RL	Window/Storefront Blocking	8,164.00	lf 10.00 /lf	81,640
	<i>ROUGH CARPENTRY</i>		<i>0.426/sf</i>	<i>81,640</i>
	191,796.00 sf			
	148.956 Labor hours			
<i>07-0000.000</i>	<i>THERMAL & MOIST PROTECT</i>			
2	6" Mineral Wool Board Insulation	78,000.00	sf 4.50 /sf	351,000
2	3-1/2" Mineral Wool Batt Insul - See Drywall			
10	Building Air Barrier	78,000.00	sf 8.00 /sf	624,000
2	Metal Panels - Corrugated	17,464.00	sf 90.00 /sf	1,571,760
2	Metal Panels, Wood Look (Includes Soffits)	720.00	sf 140.00 /sf	100,800

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
07-0000.000	<i>THERMAL & MOIST PROTECT</i>			
	2 Metal Panels, Corrugated / Perforated - Roof Screen	3,500.00 sf	90.00 /sf	315,000
	2 Metal Panels	5,736.00 sf	120.00 /sf	688,320
	<i>THERMAL & MOIST PROTECT</i>		<u>19.035/sf</u>	<u>3,650,880</u>
	191,796.00 sf			
07-8000.000	<i>FIRE & SMOKE PROTECTION</i>			
	2 Misc. Exterior Joint/Control Joint sealants & Caulking	191,796.00 sf	0.50 /sf	95,898
	<i>FIRE & SMOKE PROTECTION</i>		<u>0.50 /sf</u>	<u>95,898</u>
	191,796.00 sf			
09-0000.000	<i>FINISHES</i>			
	100 Exterior Walls			
	100 6" LGMF, 3-1/2" Mineral Batts, 5/8" Interior Face	77,800.00 sf	24.00 /sf	1,867,200
	100 Exterior Dens-Glass Sheathing	77,800.00 sf	4.00 /sf	311,200
	100 Soffit Framing	2,900.00 sf	10.00 /sf	29,000
	100 Soffit Dens-Glass	2,900.00 sf	5.00 /sf	14,500
	<i>FINISHES</i>		<u>11.585/sf</u>	<u>2,221,900</u>
	191,796.00 sf			
	<u>B2010 Exterior Walls</u>		<u>48.989/sf</u>	<u>9,395,845</u>
	191,796.00 sf			
	148.956 Labor hours			
B2020	Exterior Windows			
05-0000.000	<i>METALS</i>			
	140 Exterior Louvers, Allowance	1.00 ls	65,000.00 /ls	65,000
	<i>METALS</i>		<u>0.339/sf</u>	<u>65,000</u>
	191,796.00 sf			
08-0000.000	<i>DOORS & WINDOWS</i>			
	30 Curtain Wall - Typical	6,400.00 sf	225.00 /sf	1,440,000
	30 Storefront Sunshades - Horizontal, South Elevation	960.00 lf	125.00 /lf	120,000
	30 Storefront Sunshades - Horizontal, West Elevation	225.00 lf	125.00 /lf	28,125
	30 Storefront Sunshades - Horizontal, Building Mounted Typ.	640.00 lf	280.00 /lf	179,200
	30 School Guard Premium	1,000.00 sf	70.00 /sf	70,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
Total				
08-0000.000	DOORS & WINDOWS			
10	Exterior Aluminum Windows (Triple Glazed)	9,050.00	185.00 /sf	1,674,250
	DOORS & WINDOWS		18.309/sf	3,511,575
	191,796.00	sf		
	<i>B2020 Exterior Windows</i>		18.648/sf	3,576,575
	191,796.00	sf		
<hr/>				
<i>B2030</i>	<i>Exterior Doors</i>			
08-0000.000	DOORS & WINDOWS			
220	FRAMES			
220	Exterior - Typical Single	1.00	350.00 /ea	350
220	Exterior - Typical Double	2.00	1,250.00 /ea	2,500
220	EXTERIOR DOORS			
220	Single Door HM 3-0x7-0 - Flush, Insulated	1.00	750.00 /ea	750
220	Double Door HM 6-0x7-0 - Flush, Insulated	2.00	1,600.00 /pr	3,200
220	Exterior Door Install	3.00	1,250.00 /ea	3,750
50	Overhead Door - 10' x 11'-6"	1.00	10,000.00 /ea	10,000
50	Overhead Door - 8' x 8'	1.00	7,000.00 /ea	7,000
10	Storefront Doors - Single	2.00	4,000.00 /ea	8,000
10	Storefront Doors - Double	11.00	8,000.00 /pr	88,000
10	Exterior Aluminum Door Hardware Allow	13.00	1,700.00 /ea	22,100
10	Auto Openers Allowance	5.00	3,500.00 /lfs	17,500
10	Exterior Door Hardware Allowance	5.00	1,600.00 /ea	8,000
	DOORS & WINDOWS		0.892/sf	171,150
	191,796.00	sf		
<hr/>				
09-0000.000	FINISHES			
40	Paint Door(s) And Frame(s)	5.00	330.00 /ea	1,650
	FINISHES		0.009/sf	1,650
	191,796.00	sf		
	<i>B2030 Exterior Doors</i>		0.901/sf	172,800
	191,796.00	sf		
<hr/>				
	B20 EXTERIOR VERTICAL ENCLOSURES		68.538/sf	13,145,220
	191,796.00	sf		
	148.956	Labor hours		

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Total	Amount
<i>B20 EXTERIOR VERTICAL ENCLOSURES</i>			<i>68.538/sf</i>		<i>13,145,220</i>
	191,796.00 sf				
	148.956 Labor hours				
<i>B30</i>	<i>EXTERIOR HORIZONTAL ENCLOSURES</i>				
<i>B3010</i>	<i>Roof Coverings</i>				
<i>06-0000.000</i>	<i>ROUGH CARPENTRY</i>				
2	Roof Blocking	143,500.00	sf	1.50 /sf	215,250
	<i>ROUGH CARPENTRY</i>			<i>1.122/sf</i>	<i>215,250</i>
	191,796.00 sf				
<i>07-0000.000</i>	<i>THERMAL & MOIST PROTECT</i>				
2	ERA1 / 1a - PVC Roofing, 1/2" Coverboard, 8-1/2" Insulation	118,821.00	sf	25.00 /sf	2,970,525
2	ERA1b - PVC Roofing, 1/2" Coverboard, 8-1/2" Insulation	16,375.00	sf	25.00 /sf	409,375
2	ERA2 - PVC Roofing, 1/2" Coverboard & 1/2" Plywood	1,035.00	sf	18.00 /sf	18,630
2	5/8" Roof Substrate - Under Vapor Barrier, Type 1 & 1a	119,000.00	sf	4.00 /sf	476,000
2	PVC Roofing - Exterior Wall Areas	4,180.00	sf	18.00 /sf	75,240
2	Roof Edge Metal	4,000.00	lf	35.00 /lf	140,000
2	Roof Flashing	119,000.00	sf	1.00 /sf	119,000
	<i>THERMAL & MOIST PROTECT</i>			<i>21.944/sf</i>	<i>4,208,770</i>
	191,796.00 sf				
<i>07-8000.000</i>	<i>FIRE & SMOKE PROTECTION</i>				
12	Expansion Joints - Roof, Allow	1.00	ls	6,500.00 /ls	6,500
	<i>FIRE & SMOKE PROTECTION</i>			<i>0.034/sf</i>	<i>6,500</i>
	191,796.00 sf				
	<i>B3010 Roof Coverings</i>			<i>23.100/sf</i>	<i>4,430,520</i>
	191,796.00 sf				
<i>B3020</i>	<i>Roof Openings</i>				
<i>07-7000.000</i>	<i>ROOF & WALL ACCESSORIES</i>				
10	Roof Hatch				

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
07-7000.000 ROOF & WALL ACCESSORIES				
10	Bird Control, Electric Bird Deterrent by Nixalite			
20	Roof Walkway pads	5,800.00	15.00 /sf	87,000
20	Auto Roof Vents @ Stage	4.00	10,000.00 /ea	40,000
	ROOF & WALL ACCESSORIES		0.662/sf	127,000
	191,796.00	sf		
08-0000.000 DOORS & WINDOWS				
30	Skylights Pyramidal / Dome Style Fixed - Allowance	6.00	4,000.00 /ea	24,000
	DOORS & WINDOWS		0.125/sf	24,000
	191,796.00	sf		
	0.75	Labor hours		
	B3020 Roof Openings		0.787/sf	151,000
	191,796.00	sf		
	0.75	Labor hours		
	B30 EXTERIOR HORIZONTAL ENCLOSURES		23.887/sf	4,581,520
	191,796.00	sf		
	0.75	Labor hours		
	B SHELL		139.737/sf	26,800,921
	191,796.00	sf		
	2,579.395	Labor hours		
C INTERIORS				
C10 INTERIOR CONSTRUCTION				
C1010 Interior Partitions				
04-0000.000 MASONRY				
102	M8R - 8" CMU Lightweight	1,240.00	32.00 /sf	39,680
102	M4 - 4" CMU	5,126.00	28.00 /sf	143,528
102	M6 - 6" CMU	5,485.00	29.00 /sf	159,065
102	M6A - 6" CMU	2,926.00	29.00 /sf	84,854
102	M8 - 8" CMU	2,670.00	30.00 /sf	80,100
102	M8A - 6" CMU	854.00	30.00 /sf	25,620
5	Masonry Staging - Interior	22,000.00	3.50 /sf	77,000



East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
	<i>MASONRY</i>		<i>3.180/sf</i>	<i>609,847</i>
		<i>191,796.00 sf</i>		
<i>06-0000.000</i>	<i>ROUGH CARPENTRY</i>			
	2 In Wall And Misc. Blocking	191,796.00 sf	1.00 /sf	191,796
	2 General Carpentry / Safety	191,796.00 sf	1.50 /sf	287,694
	<i>ROUGH CARPENTRY</i>		<i>2.50 /sf</i>	<i>479,490</i>
		<i>191,796.00 sf</i>		
<i>07-8000.000</i>	<i>FIRE & SMOKE PROTECTION</i>			
	002 Misc. Fire Stopping	191,796.00 sf	0.50 /sf	95,898
	40 Misc. Interior Caulking	191,796.00 sf	0.75 /sf	143,847
	12 Expansion Joints - Allow	1.00 ls	25,000.00 /ls	25,000
	<i>FIRE & SMOKE PROTECTION</i>		<i>1.380/sf</i>	<i>264,745</i>
		<i>191,796.00 sf</i>		
<i>08-0000.000</i>	<i>DOORS & WINDOWS</i>			
	10 Interior Storefront - Standard	2,480.00 sf	120.00 /sf	297,600
	10 Interior Storefront - Premium for School Guard Glass	750.00 sf	40.00 /sf	30,000
	100 Interior Borrowed Lite Frames	96.00 ea	1,000.00 /ea	96,000
	100 Transaction window 4'x4'	3.00 ea	6,000.00 /ea	18,000
	100 Alt PE Plate Mirrors, 31' x 8'	248.00 sf	50.00 /sf	12,400
	100 Interior Borrowed Lites, IA - 23sf Each	69.00 sf	75.00 /sf	5,175
	100 Interior Borrowed Lites, IB - 17sf Each	153.00 sf	75.00 /sf	11,475
	100 Interior Borrowed Lites, IC - 10sf Each	540.00 sf	75.00 /sf	40,500
	100 Interior Borrowed Lites, ID - 12sf Each	36.00 sf	75.00 /sf	2,700
	100 Interior Borrowed Lites, IE - 28sf Each	616.00 sf	75.00 /sf	46,200
	100 Interior Borrowed Lites, IF - 45sf Each	90.00 sf	75.00 /sf	6,750
	100 Interior Borrowed Lites, IG - 42sf Each	42.00 sf	75.00 /sf	3,150
	100 Interior Borrowed Lites, IH - 18sf Each, Sliding Acoustic Windows	36.00 sf	100.00 /sf	3,600
	<i>DOORS & WINDOWS</i>		<i>2.990/sf</i>	<i>573,550</i>
		<i>191,796.00 sf</i>		
<i>09-0000.000</i>	<i>FINISHES</i>			
	100 Misc. Drywall Scope			
	100 Plywood Backers, Allowance	1,000.00 sf	15.00 /sf	15,000
	100 Install HM Frames - Borrowed Lites	107.00 ea	150.00 /ea	16,050
	100 Install HM Frames - Doors	303.00 ea	150.00 /ea	45,450
	100 FRP - Kitchen, Janitor Closets	4,825.00 sf	18.00 /sf	86,850
	<i>INTERIOR PARTITIONS</i>			
	100 C3A - 3-5/8" LGMF, Insul, 2 Layer GWB one face	18,122.00 sf	15.00 /sf	271,830

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
<i>09-0000.000 FINISHES</i>				
100	C3C - 3-8/8" LGMF, Insul, 1/2" Cement Board one face	270.00 sf	15.00 /sf	4,050
100	C4H - 6" LGMF, Insul, 5/8" GWB	328.00 sf	20.00 /sf	6,560
100	G4E - 3-5/8" LGMF, Insul, 1 Layer GWB Ea Face	328.00 sf	20.00 /sf	6,560
100	G4C - 3-5/8" LGMF, Insul, 1 Layer GWB, 1 Layer Cement Board	328.00 sf	20.00 /sf	6,560
100	G6 - 6" LGMF, Insul, 1 Layer GWB Ea Face	38,030.00 sf	21.50 /sf	817,645
100	G6A - 6" LGMF, Insul, 1 Layer GWB, 2 Layers GWB	59,317.00 sf	20.50 /sf	1,215,999
100	G6B - 6" LGMF, Insul, 2 Layers GWB Ea Face	25,951.00 sf	20.00 /sf	519,020
100	G6D - 6" LGMF, 2 Layers GWB, 1 Layer Cement Board	10,240.00 sf	20.00 /sf	204,800
100	G6E - 6" LGMF, 1 Layer GWB, 1 Layer Cement Board	1,380.00 sf	20.00 /sf	27,600
100	G6F - 6" LGMF, 1 Layer Cement Board Ea Face	145.00 sf	20.00 /sf	2,900
100	G6R - 6" LGMF, Insul, 1 Layer GWB Ea Face, 1 HR Rated	915.00 sf	22.00 /sf	20,130
100	G6R2 - 6" LGMF, Insul, 1 Layer GWB Ea Face, 2 HR Rated	5,465.00 sf	22.00 /sf	120,230
100	G10B - 6" & 2-1/2" Double Stud, Insul, 1 Layer GWB, 2 Layers GWB	7,620.00 sf	25.00 /sf	190,500
100	G12A - 6" & 2-1/2" Double Stud, Insul, 1 Layer GWB, 2 Layers GWB	8,472.00 sf	25.00 /sf	211,800
100	G12B - 6" & 2-1/2" Double Stud, Insul, 2 Layers GWB Ea Face	10,795.00 sf	25.00 /sf	269,875
100	G12E - 6" & 2-1/2" Double Stud, Insul, 1 Layer Cement Board Ea Face	115.00 sf	25.00 /sf	2,875
100	G14B - 6" & 3-5/8" Double Stud, Insul, 2 Layers GWB Ea Face	6,790.00 sf	25.00 /sf	169,750
100	G18B - Not Specified	350.00 sf	25.00 /sf	8,750
100	P10C - 3-5/8" LGMF, Double Stud, 1 Layer Cement, 1 Layer GWB	3,526.00 sf	28.00 /sf	98,728
100	P11E - 3-5/8" LGMF, Double Stud, 1 Layer Cement, 1 Layer GWB	1,082.00 sf	28.00 /sf	30,296
	<i>FINISHES</i>		<i>22.784/sf</i>	<i>4,369,808</i>
	<i>191,796.00 sf</i>			
	<i>C1010 Interior Partitions</i>		<i>32.834/sf</i>	<i>6,297,440</i>
	<i>191,796.00 sf</i>			

C1020 Interior Doors

<i>08-0000.000 DOORS & WINDOWS</i>				
220	DOORS			
220	Type 1 - Single Door HM 3-0x7-0 - Flush	19.00 ea	740.00 /ea	14,060
220	Type 2 - Single Door HM 3-0x7-0 - Vented	44.00 ea	740.00 /ea	32,560
220	Type 6 - Double Door HM 6-0x7-0, Flush	9.00 pr	1,470.00 /pr	13,230

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
08-0000.000	DOORS & WINDOWS				
220	Type 7 - Double Door HM 6-0x7-0 - Full Lite	7.00 pr	1,700.00 /pr		11,900
220	Type 1 - Single Door WOOD 3-0x7-0 - Flush	162.00 ea	740.00 /ea		119,880
220	Type 3 - Single Door WOOD 3-0x7-0 - Vision Panel	27.00 ea	740.00 /ea		19,980
220	Type 4 - Single Door WOOD 3-0x7-0, Half Lite	25.00 pr	1,470.00 /pr		36,750
220	Type 7 - Double Door WOOD 6-0x7-0 - Full Lite	8.00 pr	1,700.00 /pr		13,600
220	Type 9 - Double Door HM 6-0x7-0 - Vision Panel	12.00 pr	1,500.00 /pr		18,000
220	Dressing Room Doors - Allow	4.00 ea	5,000.00 /ea		20,000
220	FRAMES				
220	Frame A - Typical Single	249.00 ea	350.00 /ea		87,150
220	Frame D - Typical Double Door	21.00 ea	400.00 /ea		8,400
220	Frame E - Double Door w/Transome	16.00 ea	750.00 /ea		12,000
220	Frame G - Single Door w/ 7'x5' Side lite	12.00 ea	1,200.00 /ea		14,400
220	Frame H - Double Door w/Side Lites & Transome	7.00 ea	1,500.00 /ea		10,500
50	Overhead Coiling Doors 10' x 8', Servery	2.00 ea	12,500.00 /ea		25,000
001	Folding Wall 16' x 8', Alt PE	1.00 ea	25,000.00 /ea		25,000
30	Interior Storefront Doors - Pair	14.00 ea	8,000.00 /ea		112,000
30	Interior Storefront Doors - Single	3.00 ea	4,000.00 /ea		12,000
30	Aluminum Door Hardware - Allowance per Leaf	31.00 ea	1,500.00 /ea		46,500
10	Double Interior Door Hardware Allowance	36.00 ea	2,250.00 /ea		81,000
10	Single Interior Door Hardware Allowance	277.00 ea	1,500.00 /ea		415,500
10	Unload & Organize Hardware	1.00 ls	5,500.00 /ls		5,500
10	Door & Hardware Install	313.00 ea	500.00 /ea		156,500
100	Vision, Transom & Sidelite Glazing	1,000.00 sf	45.00 /sf		45,000
	DOORS & WINDOWS		7.072/sf		1,356,410
	191,796.00 sf				
09-0000.000	FINISHES				
40	Paint Door(s) And Frame(s) - Single	277.00 ea	200.00 /ea		55,400
40	Paint Door(s) And Frame(s) - Pair	36.00 pr	400.00 /pr		14,400
	FINISHES		0.364/sf		69,800
	191,796.00 sf				
	C1020 Interior Doors		7.436/sf		1,426,210
	191,796.00 sf				
C1030	Fittings				
05-0000.000	METALS				
10	Misc. Metals Allowance	191,796.00 sf	2.25 /sf		431,541
10	Catwalk, Railings & Ladder Allowance	1,140.00 sf	150.00 /sf		171,000
10	Misc. Metals Coordination	1.00 ls	300,000.00 /ls		300,000
140	Overhead Door supports	2.00 ea	3,500.00 /ea		7,000
140	Unistrut Ceiling Systems	925.00 lf	75.00 /lf		69,375

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
05-0000.000 METALS					
140	Misc. Sliding Door Support	1.00 ea	2,500.00 /ea		2,500
140	Metal Guard Railings	300.00 lf	400.00 /lf		120,000
140	Patient Lift Support	1.00 ls	2,500.00 /ls		2,500
140	Misc. Pivot Door Support, Dressing	4.00 ea	1,500.00 /ea		6,000
	METALS		5.787/sf		1,109,916
	<i>191,796.00 sf</i>				
06-2000.000 FINISH CARPENTRY					
2	Custom Media Center Desk	16.00 lf	900.00 /lf		14,400
2	Custom CO Admin Desk	37.00 lf	900.00 /lf		33,300
2	Custom Waiting Room Desk	28.00 lf	900.00 /lf		25,200
2	Custom SPED Admin Desk	37.00 lf	900.00 /lf		33,300
2	Custom Copy Room Desk	11.00 lf	900.00 /lf		9,900
2	Wood Benches	45.00 lf	350.00 /lf		15,750
2	Custom Pre-K Cubbies/Storage	19.00 lf	400.00 /lf		7,600
2	Custom Display Cases	56.00 lf	550.00 /lf		30,800
2	Custom Bench Seating	100.00 lf	1,400.00 /lf		140,000
2	Shelving System	25.00 lf	150.00 /lf		3,750
2	Custom Bookcases	67.00 lf	750.00 /lf		50,250
2	Custom Mailbox	1.00 ls	7,500.00 /ls		7,500
2	Custom Butcherblock Worktops	15.00 lf	450.00 /lf		6,750
2	Art Display Railings	180.00 lf	35.00 /lf		6,300
2	Solid Surface Window Sills	1,400.00 lf	50.00 /lf		70,000
2	Hardwood Trim, windows	2,900.00 lf	32.00 /lf		92,800
2	Guardrail Cap	300.00 lf	20.00 /lf		6,000
	FINISH CARPENTRY		2.886/sf		553,600
	<i>191,796.00 sf</i>				
10-0000.000 SPECIALTIES					
2	Installation	14.00 cd	1,900.00 /cd		26,600
2	Markerboard 4'x12'	47.00 ea	600.00 /ea		28,200
2	Markerboard 4'x8'	131.00 ea	250.00 /ea		32,750
2	Markerboard 4'x6'	75.00 ea	250.00 /ea		18,750
2	Tack Strips	1.00 ls	20,000.00 /ls		20,000
110	Typical Room / Door signage	303.00 ea	120.00 /ea		36,360
110	Map Holders	10.00 ea	122.00 /ea		1,220
110	Dedication Plaque	1.00 ea	3,000.00 /ea		3,000
110	Vinyl Door Numbering	303.00 ea	50.00 /ea		15,150
110	Entry Sign Lettering, Aluminum Lettering	1.00 ls	15,000.00 /ls		15,000
110	Digital Entry Sign, Lettering Etc.	1.00 ls	40,000.00 /ls		40,000
110	Vinyl Wall Graphics - Allowance	2,000.00 sf	6.00 /sf		12,000
110	Misc. Signage	191,796.00 sf	0.261 /sf		50,000
2	Urinal Screen	7.00 ea	500.00 /ea		3,500
2	ADA Toilet Compartment	14.00 ea	2,750.00 /ea		38,500
2	Standard Toilet Compartment	19.00 ea	2,000.00 /ea		38,000
2	Shower Compartments	11.00 ea	750.00 /ea		8,250
2	Medical suite Curtains	55.00 lf	45.00 /lf		2,475

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
10-0000.000	SPECIALTIES				
	2 42" ADA 18 Gage Stainles Steel Grab Bars	78.00 ea	130.00 /ea		10,140
	2 Janitors Closet Accessories	4.00 ea	350.00 /ea		1,400
	2 Baby Changing Station, Allow	2.00 ea	1,200.00 /ea		2,400
	2 Folding Shower Seats	11.00 ea	125.00 /ea		1,375
	2 Shower Curtains & Hooks	11.00 ea	75.00 /ea		825
	2 Utility Hooks	39.00 ea	50.00 /ea		1,950
	2 Electric Hand Dryer				
	2 Waste Bins	39.00 ea	300.00 /ea		11,700
	2 Soap Dispensers -OFCI	0.00 ea			
	2 Paper Towel Dispensers - OFCI	0.00 ea			
	2 Install OFCI Items	10.00 cd	1,500.00 /cd		15,000
	30 Fire Extinguisher and Cabinet Allowance	1.00 ls	20,000.00 /ls		20,000
	30 Defibrillator Cabinet Allowance	1.00 ea	2,000.00 /ea		2,000
	30 Key Cabinet	1.00 ea	1,500.00 /ea		1,500
	10 Lockers - 2 Tier 15x15x72 w/ Electronic Lock	200.00 ea	300.00 /ea		60,000
	10 Lockers - Staff Lockers	30.00 ea	550.00 /ea		16,500
	10 Lockers - Athletic w/Bench, Including PE Instr	146.00 ea	750.00 /ea		109,500
	10 Lockers - Athletic Single Tier	21.00 ea	500.00 /ea		10,500
	10 Lockers - Athletic Double Tier	100.00 ea	550.00 /ea		55,000
	10 ADA Bench's	4.00 ea	550.00 /ea		2,200
	10 Locker Bench's	18.00 lf	150.00 /lf		2,700
	SPECIALTIES		3.725/sf		714,445
	191,796.00 sf				
	192.00 Labor hours				
14-0000.000	CONVEYING SYSTEMS				
	10 Patient Lift, Allowance	1.00 ea	10,000.00 /ea		10,000
	CONVEYING SYSTEMS		0.052/sf		10,000
	191,796.00 sf				
	C1030 Fittings		12.451/sf		2,387,961
	191,796.00 sf				
	192.00 Labor hours				
	C10 INTERIOR CONSTRUCTION		52.721/sf		10,111,611
	191,796.00 sf				
	192.00 Labor hours				
C20	STAIRS				
C2010	Stair Construction				

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
03-0000.000	CONCRETE			
105	Stairs and Landings	4.00 Flt	8,000.00 /Flt	32,000
	CONCRETE		0.167/sf	32,000
	191,796.00 sf			
05-0000.000	METALS			
10	Stairs and Rails - Stair 1	1.00 Flt	80,000.00 /Flt	80,000
10	Stairs and Rails - Stair 2	1.00 Flt	80,000.00 /Flt	80,000
10	Stairs and Rails - Stair 3	1.00 Flt	80,000.00 /Flt	80,000
10	Stairs and Rails - Stair 4, Circulation	1.00 Flt	80,000.00 /Flt	80,000
10	Stair Railings - Inc. in flight Cost			
	METALS		1.668/sf	320,000
	191,796.00 sf			
	C2010 Stair Construction		1.835/sf	352,000
	191,796.00 sf			
C2020	Stair Finishes			
09-0000.000	FINISHES			
2	Rubber Stair Treads & Landings	2.00 flts	5,000.00 /flts	10,000
2	Terrazzo Treads & Landing, Monument Stairs & Cafe Stairs	2.00 flts	15,000.00 /flts	30,000
30	Paint Pan Stairs & Rails	4.00 Flt	2,000.00 /Flt	8,000
	FINISHES		0.250/sf	48,000
	191,796.00 sf			
	C2020 Stair Finishes		0.250/sf	48,000
	191,796.00 sf			
	C20 STAIRS		2.086/sf	400,000
	191,796.00 sf			
C30	INTERIOR FINISHES			
C3010	Wall Finishes			
09-0000.000	FINISHES			

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
Total				
09-0000.000	<i>FINISHES</i>			
50	Porcelain Wall Tile - Corridors - 42" aff	12,229.00	sf	391,328
50	Ceramic Wall Tile - Restrooms	8,760.00	sf	280,320
50	Ceramic Wall Tile - Class Room Entries, Glazed Tile	5,470.00	sf	191,450
2	Fabric Wrapped Acoustic Panels, Band, Chorus, Auditorium	1,145.00	sf	51,525
2	Wood Veneer Acoustic Panels ASI - Auditorium, LGI, Media Center Allowance	3,370.00	sf	337,000
2	Wood Paneling, Rulon - Gym, Alt PE, Cafeteria, LGI, Allowance	4,425.00	sf	354,000
2	Acoustical Shaped Panels, Allowance	100.00	ea	150.00 /ea
2	Acoustic Panels, Tectum	1,620.00	sf	40.00 /sf
10	Paint Walls	466,384.00	sf	0.85 /sf
10	Paint Touch up Allowance	1.00	ls	25,000.00 /ls
10	Paint Walls, Block Filler	3,531.00	sf	0.85 /sf
10	Paint Walls, Block Filler	3,531.00	sf	0.85 /sf
	<i>FINISHES</i>			11.016/sf
	<i>191,796.00 sf</i>			<i>2,112,852</i>
	<i>C3010 Wall Finishes</i>			<i>11.016/sf</i>
	<i>191,796.00 sf</i>			<i>2,112,852</i>
<i>C3020</i>	<i>Floor Finishes</i>			
09-0000.000	<i>FINISHES</i>			
10	Ceramic Floor Tile	0.00	sf	
10	Crack Isolation Membrane (Porcelain Tile)	26,795.00	sf	5.00 /sf
10	Tile Base	2,400.00	lf	20.00 /lf
10	PT-1, Porcelain tile, French Grey; 12X24 & 24X24; Grip Finish	19,735.00	sf	35.00 /sf
10	PT-2, MATTE 12X24 RUNNING BOND	7,060.00	sf	35.00 /sf
30	Floor Protection	26,795.00	sf	0.75 /sf
2	Floors Moisture Mitigation Testing	50.00	loc	100.00 /loc
2	Floors - Moisture Mitigation - NIC			
145	Maple Flooring on two layers plywood & Res. Pads w/Vapor Barrier	12,000.00	sf	21.00 /sf
145	Hardwood floor at stage	1,650.00	sf	45.00 /sf
145	Floor Protection	13,650.00	sf	0.75 /sf
2	R-1, 992 GRANO 9MM; 39.45" x 39.45" Tile; 5302 ANGELICA ROOT	4,472.00	sf	14.00 /sf
2	R-2, 992 grano 9mm; 5303 Frankincense	3,330.00	sf	14.00 /sf
2	R-3, ENVIRONCARE; 24 X 24; 7041 WHALE WATCH	13,075.00	sf	14.00 /sf
2	R-4, 24" x 24" - 2-3/4" Thickness, GenieMat 70	1,014.00	sf	40.00 /sf
2	Linoleum Sheet, L-1, Concrete 3704 Satellite & Concrete 3705 Meteorite	16,910.00	sf	8.00 /sf
2	Linoleum Sheet, L-2, 3120 ROSATO	37,320.00	sf	8.00 /sf

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	Amount
<i>09-0000.000 FINISHES</i>					
	2 Linoleum Sheet, L-3, 3761 TITAN	3,095.00	sf	8.00 /sf	24,760
	2 Linoleum Sheet, L-4, 5255 DESERT SAND	4,050.00	sf	8.00 /sf	32,400
	2 Linoleum Sheet, L-5, 2629 Eiger	3,550.00	sf	8.00 /sf	28,400
	2 Floor Minor Preparation	86,816.00	sf	1.50 /sf	130,224
	2 Floor Protection	86,816.00	sf	0.75 /sf	65,112
	2 Resilient Base	22,072.00	lf	3.00 /lf	66,216
	002 Seal concrete	11,765.00	sf	3.50 /sf	41,178
	002 Stained Concrete	1,106.00	sf	5.00 /sf	5,530
	002 Polished Concrete	2,500.00	sf	10.00 /sf	25,000
	10 Epoxy Flooring, Duraflex / Duraquartz, Integral Base	3,915.00	sf	16.00 /sf	62,640
f 10	Carpet, CPT-1 IN TUNE, TOGETHER 50210; 9X36 ASHLAR	1,488.00	sy	49.50 /sy	73,656
f 10	Carpet, CPT-2 ALONGSIDE, TOGETHER 50210; 9x36 ASHLAR	368.00	sy	49.50 /sy	18,216
f 10	Carpet, CPT-3 IN TUNE, INCLUDE 50678 9X36 ASHLAR	992.00	sy	49.50 /sy	49,104
f 10	Carpet, CPT-4 ALONGSIDE, INCLUDE,50100 9x36 ASHLAR	112.00	sy	49.50 /sy	5,544
f 10	Carpet, CPT-5 IN TUNE, CONNECT 50505, 9X36 ASHLAR	264.00	sy	49.50 /sy	13,068
f 10	Carpet, CPT-6 - Forbo Flotex - TBD; 24 x 24	2,448.00	sf	7.20 /sf	17,626
f 10	Floor Protection	29,640.00	sf	0.75 /sf	22,230
f 10	Carpet, Extra Materials 3%	94.00	sy	49.50 /sy	4,653
	<i>FINISHES</i>			<i>15.296/sf</i>	<i>2,933,618</i>
	<i>191,796.00 sf</i>				
 <i>12-0000.000 FIXED FURNISHINGS</i>					
	10 Walk-Off Mats	1,275.00	sf	15.00 /sf	19,125
	10 Recessed Floor Mat Grilles / Frames (7'-11" x (14'-5"))	1.00	ea	23,468.50 /ea	23,469
	10 Recessed Floor Mat Grilles / Frames (17'-6" x 20'-4")	1.00	ea	63,650.69 /ea	63,651
	10 Recessed Floor Mat Grilles / Frames (6'-0" x 12'-4")	1.00	ea	16,776.72 /ea	16,777
	10 Recessed Floor Mat Grilles / Frames (9'-4" x 8'-7")	1.00	ea	14,332.88 /ea	14,333
	10 Recessed Floor Mat Grilles / Frames (8'-6" x 7'-6")	1.00	ea	11,960.28 /ea	11,960
	10 Recessed Floor Mat Grilles / Frames (6'-0" x 7'-4")	1.00	ea	9,082.200 /ea	9,082
	10 Recessed Floor Mat Grilles / Frames (8'-5" x 10'-9")	1.00	ea	18,632.28 /ea	18,632
	10 Recessed Floor Mat Grilles / Frames (13'-2" x 7'-6")	1.00	ea	19,053.43 /ea	19,053
	10 Recessed Floor Mat Grilles /Frames Prep & Protection	1.00	ls	15,000.00 /ls	15,000
	<i>FIXED FURNISHINGS</i>			<i>1.101/sf</i>	<i>211,082</i>
	<i>191,796.00 sf</i>				

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
	<i>C3020 Floor Finishes</i>		16.396/sf	3,144,700
	191,796.00 sf			
<i>C3030</i>	<i>Ceiling Finishes</i>			
09-0000.000	FINISHES			
2	ACT1 - Standard 2x2	123,060.00	6.25 /sf	769,125
2	ACT2 - Washable 2x2	10,200.00	7.50 /sf	76,500
2	Drywall Ceilings	4,540.00	25.00 /sf	113,500
2	Drywall Ceilings, 1 HR	985.00	25.00 /sf	24,625
2	Misc. Soffiting	191,796.00	1.00 /sf	191,796
2	Acoustic Spray Applied Insulation	5,200.00	24.590 /sf	127,869
2	Metal Panel Ceilings - Wood look	770.00	55.00 /sf	42,350
2	Metal Panel Ceilings	694.00	52.00 /sf	36,088
2	Wood Slat Ceiling			
2	Sound Diffusing / Reflective Panels - Ceiling	1,775.00	55.00 /sf	97,625
2	Wood Slat Veneer Acoustic Panels, Rulon - Lobby	2,500.00	130.00 /sf	325,000
20	Paint GYB Ceilings	6,479.00	2.00 /sf	12,958
20	Paint Exposed Ceilings	57,481.00	1.00 /sf	57,481
	FINISHES		9.776/sf	1,874,917
	191,796.00 sf			
	<i>C3030 Ceiling Finishes</i>		9.776/sf	1,874,917
	191,796.00 sf			
	C30 INTERIOR FINISHES		37.188/sf	7,132,469
	191,796.00 sf			
	C INTERIORS		91.994/sf	17,644,079
	191,796.00 sf			
	192.00 Labor hours			

D SERVICES

D10 CONVEYING

D1010 Vertical Conveying Systems

03-0000.000 CONCRETE

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
03-0000.000	CONCRETE			
500	Grout Elevator Sill Angles	2.00 ea	350.00 /ea	700
	CONCRETE		0.004/sf	700
	191,796.00 sf			
05-0000.000	METALS			
22	Sill Angles	2.00 ea	1,750.00 /ea	3,500
22	Sump Pit Frame Grate	1.00 ea	1,000.00 /ea	1,000
22	Hoist Beam	1.00 ea	1,800.00 /ea	1,800
22	Pit Ladders	1.00 ea	2,800.00 /ea	2,800
	METALS		0.047/sf	9,100
	191,796.00 sf			
14-0000.000	CONVEYING SYSTEMS			
2	Passenger Elevator, Traction	2.00 stp	92,500.00 /stp	185,000
	CONVEYING SYSTEMS		0.965/sf	185,000
	191,796.00 sf			
	D1010 Vertical Conveying Systems		1.016/sf	194,800
	191,796.00 sf			
	D10 CONVEYING		1.016/sf	194,800
	191,796.00 sf			
D20	PLUMBING			
D2010	Plumbing Fixtures			
22-0000.000	PLUMBING			
10	Kitchen Plumbing Connections			
10	Kitchen Equipment Plumbing Connections (Sanitary / Venting / Domestic Water Piping)	1.00 ls	65,000.00 /ls	65,000
10	6" Backflow Preventer (Fire Protection)	1.00 ea	8,995.00 /ea	8,995
10	4" Backflow Preventer	1.00 ea	5,880.00 /ea	5,880
10	2-1/2" RPBP - Reverse Backflow Preventer	1.00 ea	2,800.00 /ea	2,800
10	6" Water Meter	1.00 ea	1,250.00 /ea	1,250
10	ET-1 - Expansion Tank	1.00 ea	3,800.00 /ea	3,800
10	EWH-1 - Electric Water Heater (300 Gal)	1.00 ea	46,000.00 /ea	46,000
10	EWH-2 - Electric Water Heater (300 Gal)	1.00 ea	46,000.00 /ea	46,000
10	EWH-3 - Electric Water Heater (300 Gal)	1.00 ea	46,000.00 /ea	46,000
10	EWH-4 - Electric Water Heater (33 Gal)	1.00 ea	3,100.00 /ea	3,100

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
Total				
22-0000.000	PLUMBING			
10	EWH-5 - Electric Water Heater (33 Gal)	1.00 ea	3,100.00 /ea	3,100
10	EWH-6 - Electric Water Heater (33 Gal)	1.00 ea	3,100.00 /ea	3,100
10	Heat Trace Incoming Service Pipe	1.00 ls	1,500.00 /ls	1,500
10	Irrigation Water Meter	2.00 ea	650.00 /ea	1,300
10	MV-1 - (Not Scheduled)	1.00 ea	3,500.00 /ea	3,500
10	MV-2 - (Not Scheduled)	1.00 ea	3,500.00 /ea	3,500
10	RH-1 - Roof Hydrant	7.00 ea	475.00 /ea	3,325
10	RP - Recirc Pump (Not Scheduled)	2.00 ea	2,400.00 /ea	4,800
10	SP-1 - Sewer Ejector Pump (50 GPM).	1.00 ea	2,250.00 /ea	2,250
10	Water Sub Meter (Pool House)	1.00 ea	800.00 /ea	800
10	Hose Bibb	10.00 ea	215.00 /ea	2,150
10	Wall Hydrant	6.00 ea	295.00 /ea	1,770
10	Misc. Unidentified Plumbing Equipment	1.00 ls	100,000.000 /ls	100,000
10	Plumbing Fixtures			
10	WC-1A - ADA Water Closet - Wall Mounted	4.00 ea	1,755.303 /ea	7,021
10	WC-1 - Water Closet - Wall Mounted	51.00 ea	1,659.559 /ea	84,638
10	UR-1 - Urinal - Wall Mounted	4.00 ea	1,468.07 /ea	5,872
10	SK-5 - Classroom Sink - Counter Mounted	2.00 ea	1,244.67 /ea	2,489
10	SK-3 - Classroom Sink - Counter Mounted	1.00 ea	1,276.58 /ea	1,277
10	SK-1 - Classroom Sink - Counter Mounted	43.00 ea	1,276.584 /ea	54,893
10	SH-1 - ADA Shower Unit	9.00 ea	5,246.76 /ea	47,221
10	MS-2 - Mop Sink	1.00 ea	1,506.37 /ea	1,506
10	MS-1 - Mop Sink	2.00 ea	1,506.37 /ea	3,013
10	LSK-2 - Lab Sink - Floor Mounted (FBO)	2.00 ea	868.075 /ea	1,736
10	LSK-1 - Lab Sink - Floor Mounted (FBO)	52.00 ea	868.077 /ea	45,140
10	LAV-2 - Single Sink - Wall Mounted	2.00 ea	1,129.775 /ea	2,260
10	EWC-1- Electric Water Bubbler	4.00 ea	4,851.020 /ea	19,404
10	EW/ES-1 - Emergency Shower / Eyewash Station	6.00 ea	4,212.727 /ea	25,276
10	Wall Carrier	59.00 ea	759.568 /ea	44,814
10	Misc. Plumbing Fixtures	191,796.00 sf	0.830 /sf	159,148
10	LAV-1 - Single Sink - Wall Mounted	36.00 ea	1,340.413 /ea	48,255
10	LAV-3 - Trough Sinks	6.00 ea	3,829.752 /ea	22,979
10	Radon Mitigation			
10	Radon System	1.00 ls	30,000.00 /ls	30,000
	PLUMBING		5.041/sf	966,862
	191,796.00 sf			
	D2010 Plumbing Fixtures		5.041/sf	966,862
	191,796.00 sf			

D2020 Domestic Water Distribution

22-0000.000	PLUMBING			
10	Domestic Water			
10	6" Domestic Water Pipe - Mains	140.00 lf	288.00 /lf	40,320
10	4" Domestic Water Pipe - Mains	2,590.00 lf	108.00 /lf	279,720
10	3" Domestic Water Pipe - Mains	220.00 lf	79.75 /lf	17,545

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
<i>22-0000.000</i> PLUMBING				
10	2-1/2" Domestic Water Pipe - Mains	120.00	lf 67.90 /lf	8,148
10	2" Domestic Water Pipe - Mains	2,440.00	lf 56.80 /lf	138,592
10	1-1/2" Domestic Water Pipe - Mains	320.00	lf 41.60 /lf	13,312
10	1-1/4" Domestic Water Pipe - Mains	510.00	lf 32.40 /lf	16,524
10	1" Domestic Water Pipe - Mains	2,640.00	lf 26.20 /lf	69,168
10	3/4" Domestic Water Pipe - Branch	1,830.00	lf 19.25 /lf	35,228
10	1/2" Domestic Water Pipe - Mains	11,160.00	lf 14.45 /lf	161,262
10	Misc. Piping Not Yet Defined	191,796.00	sf 0.45 /sf	86,308
10	Misc. Valves, Tags & Fittings	1.00	ls 155,973.00 /ls	155,973
10	Pipe Insulation 1/2" - 1-1/4"	16,140.00	lf 14.10 /lf	227,574
10	Pipe Insulation 1-1/2" - 6"	5,830.00	lf 9.80 /lf	57,134
	PLUMBING		<u>6.814/sf</u>	<u>1,306,808</u>
	<i>191,796.00</i> <i>sf</i>			
<hr/>				
	<i>D2020 Domestic Water Distribution</i>		<i>6.814/sf</i>	<i>1,306,808</i>
	<i>191,796.00</i> <i>sf</i>			
<hr/>				
<i>D2030</i>	<i>Sanitary Waste</i>			
<hr/>				
<i>22-0000.000</i> PLUMBING				
10	Sanitary Waste & Vent Piping (Underground)			
10	Sub Slab Ventilation Piping	191,796.00	sf 0.60 /sf	115,078
10	Sanitary Waste & Vent Pipe (Underground)	191,796.00	sf 1.40 /sf	268,514
10	Kitchen Waste & Vent Pipe (Underground)	191,796.00	sf 0.55 /sf	105,488
10	Sanitary Waste & Vent Piping (Above Ground)			
10	Sanitary Waste & Vent Pipe (Above Ground)	191,796.00	sf 1.45 /sf	278,104
10	Kitchen Waste & Vent Pipe (Above Ground)	191,796.00	sf 0.25 /sf	47,949
10	Lab Waste & Vent Piping			
10	Lab Waste Piping (Under Ground)	191,796.00	sf 0.15 /sf	28,769
10	Lab Waste Piping (Above Ground)	191,796.00	sf 0.30 /sf	57,539
10	Storm Drainage Piping			
10	12" Storm Pipe (UG)	37.00	lf 288.00 /lf	10,656
10	10" Storm Pipe (AG)	21.00	lf 196.00 /lf	4,116
10	10" Storm Pipe (UG)	564.00	lf 196.00 /lf	110,544
10	8" Storm Pipe (AG)	450.00	lf 168.50 /lf	75,825
10	8" Storm Pipe (UG)	550.00	lf 168.50 /lf	92,675
10	6" Storm Pipe (AG)	6,730.00	lf 130.00 /lf	874,900
10	6" Storm Pipe (UG)	515.00	lf 130.00 /lf	66,950
10	4" Storm Pipe (AG)	1,940.00	lf 49.80 /lf	96,612
10	4" Storm Pipe (UG)	21.00	lf 49.80 /lf	1,046
10	4" RD-1 - Roof Drain	26.00	ea 715.00 /ea	18,590
10	6" RD-1 - Roof Drain	43.00	ea 825.00 /ea	35,475
10	POU Chip Tank	2.00	ea 40,000.00 /ea	80,000
	PLUMBING		<u>12.351/sf</u>	<u>2,368,830</u>
	<i>191,796.00</i> <i>sf</i>			

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
	<i>PLUMBING</i>		<i>12.351/sf</i>	<i>2,368,830</i>
	<i>191,796.00 sf</i>			
	<i>D2030 Sanitary Waste</i>		<i>12.351/sf</i>	<i>2,368,830</i>
	<i>191,796.00 sf</i>			
<i>D2090</i>	<i>Other Plumbing Systems</i>			
<i>22-0000.000</i>	<i>PLUMBING</i>			
	10 Plumbing General Conditions			
	10 Testing & Disinfection	1.00	/ls 6,500.00	6,500
	10 Commissioning Support	1.00	/ls 48,000.00	48,000
	10 Coordination & Management	1.00	/ls 106,000.00	106,000
	10 Permits and Fees	1.00	/ls 55,000.00	55,000
	10 Seismic Restraints / Bracing	1.00	/ls 35,000.00	35,000
	10 Coring & Patching / Firestopping	1.00	/ls 15,000.00	15,000
	10 Hoisting & Rigging / Floor Loading	1.00	/ls 10,000.00	10,000
	10 Equipment start up and inspection	1.00	/ls 80,000.00	80,000
	10 Access Panels - Furnish Only	1.00	/ls 5,000.00	5,000
	<i>PLUMBING</i>		<i>1.880/sf</i>	<i>360,500</i>
	<i>191,796.00 sf</i>			
	<i>D2090 Other Plumbing Systems</i>		<i>1.880/sf</i>	<i>360,500</i>
	<i>191,796.00 sf</i>			
	<i>D20 PLUMBING</i>		<i>26.085/sf</i>	<i>5,003,000</i>
	<i>191,796.00 sf</i>			
<i>D30</i>	<i>HEATING, VENTILATION, AND AIR CONDITIONING (HVAC)</i>			
<i>D3020</i>	<i>Heat Generating Systems</i>			
<i>23-0000.000</i>	<i>HVAC</i>			
	2 Central Air Handling Equipment			
	2 AHU-A-1 - Air Handler Unit - Gas Fired DX (1,200 Cfm)	1.00	/ea 40,800.00	40,800
	2 AHU-A-2 - Air Handler Unit - Gas Fired DX (4,000 Cfm)	1.00	/ea 162,229.51	162,230
	2 AHU-B-1 - Air Handler Unit - Gas Fired DX (20,000 Cfm)	1.00	/ea 811,147.54	811,148

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
23-0000.000	HVAC			
2	AHU-B-2 - Air Handler Unit - Gas Fired DX (7,000 Cfm)	1.00 ea	283,901.64 /ea	283,902
2	AHU-C-1 - Air Handler Unit - Gas Fired DX (6,000 Cfm)	1.00 ea	243,344.26 /ea	243,344
2	AHU-C-2 - Air Handler Unit - Gas Fired DX (13,000 Cfm)	1.00 ea	527,245.90 /ea	527,246
2	AHU-D-1 - Air Handler Unit - Gas Fired DX (6,000 Cfm)	1.00 ea	243,344.26 /ea	243,344
2	AHU-D-2 - Air Handler Unit - Gas Fired DX (5,000 Cfm)	1.00 ea	202,786.89 /ea	202,787
2	DOAS-A-1 - Dedicated Outside Air System (4,000 Cfm)	1.00 ea	168,000.00 /ea	168,000
2	DOAS-A-2 - Dedicated Outside Air System (5,000 Cfm)	1.00 ea	210,000.00 /ea	210,000
2	DOAS-B-1 - Dedicated Outside Air System (3,000 Cfm)	1.00 ea	126,000.00 /ea	126,000
2	DOAS-B-2 - Dedicated Outside Air System (4,500 Cfm)	1.00 ea	189,000.00 /ea	189,000
2	DOAS-D-1 - Dedicated Outside Air System (9,000 Cfm)	1.00 ea	378,000.00 /ea	378,000
2	DOAS-D-2 - Dedicated Outside Air System (9,000 Cfm)	1.00 ea	378,000.00 /ea	378,000
2	DOAS-E-1 - Dedicated Outside Air System (8,000 Cfm)	1.00 ea	336,000.00 /ea	336,000
2	DOAS-E-2 - Dedicated Outside Air System (8,000 Cfm)	1.00 ea	336,000.00 /ea	336,000
2	MUA-1 - Make-up Air Unit (4,800 Cfm)	1.00 ea	61,200.00 /ea	61,200
2	MUA-2 - Make-up Air Unit (4,800 Cfm)	1.00 ea	61,200.00 /ea	61,200
2	24" Double Wall Casing - Insulated Roof Curb (DOAS)	8.00 ea	7,800.00 /ea	62,400
2	AHU Roof Curbs	8.00 ea	4,500.00 /ea	36,000
2	Heating & Cooling Terminal Equipment			
2	ACC-A-1 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-A-2 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-A-3 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-A-4 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-B-1 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-C-1 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-C-2 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-D-1-1 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-D-1-2 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-D-2-1 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-E-1-1 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-E-2-1 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACC-E-2-2 - Split A/C Condenser Unit (2 Tons)	1.00 ea	8,550.00 /ea	8,550
2	ACCU-A-1 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-A-2 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-A-3 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-A-4 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-A-5 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-B-1 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
23-0000.000	HVAC			
2	ACCU-B-2 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-B-3 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-B-4 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-C-1 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-1 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-2 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-3 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-4 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-5 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-6 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-7 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-D-8 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-1 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-2 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-3 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-4 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-5 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-6 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-7 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACCU-E-8 - Air Cooled Condenser Unit (8 Tons)	1.00 ea	21,600.00 /ea	21,600
2	ACU-A-1 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750
2	ACU-A-2 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750
2	ACU-A-3 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750
2	ACU-B-1 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750
2	ACU-C-1 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750
2	ACU-C-2 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750
2	ACU-D-1-1 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750
2	ACU-D-1-2 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750
2	ACU-D-2-1 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750
2	ACU-E-1-1 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750
2	ACU-E-2-1 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750
2	ACU-E-2-2 - Split A/C Indoor Unit (3 Ton)	1.00 ea	3,750.00 /ea	3,750
2	AD-B-1 - Air Curtain (28 KW)	1.00 ea	1,850.00 /ea	1,850
2	AD-C-1 - Air Curtain (28 KW)	1.00 ea	1,850.00 /ea	1,850
2	BC - Branch Controller (6 Ports)	9.00 ea	7,250.00 /ea	65,250
2	BC - Branch Controller (8 Ports)	16.00 ea	6,100.00 /ea	97,600
2	CUH - Cabinet Unit Heater	9.00 ea	2,100.00 /ea	18,900
2	FCU- VRF Ceiling Cassette (1 Ton)	68.00 ea	3,200.00 /ea	217,600
2	FCU- VRF Ceiling Cassette (1.5 Ton)	6.00 ea	4,800.00 /ea	28,800
2	FCU- VRF Ceiling Cassette (1/2 Ton)	2.00 ea	1,600.00 /ea	3,200
2	FCU- VRF Ceiling Cassette (2 Ton)	39.00 ea	6,400.00 /ea	249,600
2	FCU- VRF Ceiling Cassette (2.5 Ton)	7.00 ea	8,000.00 /ea	56,000
2	FCU- VRF Ceiling Cassette (3 Ton)	20.00 ea	9,600.00 /ea	192,000
2	FCU- VRF Ceiling Cassette (3/4 Ton)	31.00 ea	2,400.00 /ea	74,400
2	FCU- VRF Ceiling Cassette (4 Ton)	2.00 ea	12,800.00 /ea	25,600
2	FCU-A-21	1.00 ea	2,800.00 /ea	2,800
2	VAV - Variable Air Volume Box	68.00 ea	990.00 /ea	67,320
2	FTR - Fintube Radiator	100.00 lf	215.00 /lf	21,500

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
	<i>HVAC</i>		<i>34.926/sf</i>	<i>6,698,620</i>
	<i>191,796.00 sf</i>			
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	<i>D3020 Heat Generating Systems</i>		<i>34.926/sf</i>	<i>6,698,620</i>
	<i>191,796.00 sf</i>			
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<i>D3040</i>	<i>Distribution Systems</i>			
<hr/>				
<i>23-0000.000</i>	<i>HVAC</i>			
2	Refrigerant Piping (Includes Hangers & Supports)			
2	Refrigerant Piping - Mains (Branch Selectors to Condenser Unit)	8,500.00	lf	48.65 /lf 413,525
2	Refrigerant Piping - Branch (Branch Controller to Fan Coil Unit)	23,460.00	lf	24.25 /lf 568,905
2	Refrigerant Piping - Insulated Line Set for Split A/C Units	2,275.00	lf	39.45 /lf 89,749
2	Condensate Piping			
2	Condensate Drain Pipe (Type "L" Cu.)	10,855.00	lf	18.40 /lf 199,732
2	HVAC Air Distribution			
2	Ductwork Galvanized	182,159.00	lbs	18.50 /lbs 3,369,942
2	Ductwork Aluminum	1,240.00	lbs	57.80 /lbs 71,672
2	Grease Duct (Black Iron)	1.00	ls	65,000.00 /ls 65,000
2	RGD's	488.00	ea	175.00 /ea 85,400
2	S10 - Linear Supply Grille (240" x 7")	2.00	ea	924.00 /ea 1,848
2	S11 - Linear Supply Grille (312" x 7")	2.00	ea	1,201.20 /ea 2,402
2	S12 - Linear Supply Grille (360" x 7")	2.00	ea	1,386.00 /ea 2,772
2	S8 - Linear Supply Grille (96" x 7")	2.00	ea	369.00 /ea 738
2	S9 - Linear Supply Grille (120" x 7")	2.00	ea	462.00 /ea 924
2	Sound Attenuation	1.00	ls	65,000.00 /ls 65,000
2	Misc. Ductwork Accessories - Volume Dampers, Fire Dampers, Volume Dampers etc.	191,796.00	sf	0.55 /sf 105,488
2	Exhaust Fans			
2	EF-A-1 - Kiln Exhaust Fan (1,000 Cfm)	1.00	ea	2,150.00 /ea 2,150
2	EF-B-1 - Kitchen Hood Exhaust Fan (6,000 Cfm)	1.00	ea	14,700.00 /ea 14,700
2	EF-B-2 - Dishwasher Exhaust Fan (6,000 Cfm)	1.00	ea	14,700.00 /ea 14,700
2	EF-B-3 - In-Line Exhaust Fan (160 Cfm)	1.00	ea	520.00 /ea 520
2	EF-B-4 - In-Line Exhaust Fan (160 Cfm)	1.00	ea	520.00 /ea 520
2	EF-B-5 - Water Room Exhaust Fan (?? Cfm)	1.00	ea	1,000.00 /ea 1,000
2	EF-D-1 - Cullinary Hood Exhaust Fan (7,000 Cfm)	1.00	ea	17,150.00 /ea 17,150
2	EF-D-2- In-Line Exhaust Fan (160 Cfm)	1.00	ea	520.00 /ea 520
2	EF-D-3 - Stair Exhaust Fan (500 Cfm)	1.00	ea	1,125.00 /ea 1,125
2	EF-D-4A - Axijet Plenum Dilution Exhaust Fan (?? Cfm)	1.00	ea	50,000.00 /ea 50,000
2	EF-D-4B - Axijet Plenum Dilution Exhaust Fan (?? Cfm)	1.00	ea	50,000.00 /ea 50,000
2	EF-E-1 - Stair Exhaust Fan (500 Cfm)	1.00	ea	1,125.00 /ea 1,125
2	EF-E-2 - STEM Exhaust Fan (1,000 Cfm)	1.00	ea	2,150.00 /ea 2,150
2	EF-E-3 - Printing Exhaust Fan (1,000 Cfm)	1.00	ea	2,150.00 /ea 2,150

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
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23-0000.000	HVAC			
	2 EF-E-4 - Prep Room Exhaust Fan (1,000 Cfm)	1.00 ea	2,150.00 /ea	2,150
	HVAC		27.128/sf	5,203,056
	191,796.00 sf			
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	D3040 Distribution Systems		27.128/sf	5,203,056
	191,796.00 sf			
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D3060	<i>Controls And Instrumentation</i>			
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23-0000.000	HVAC			
	20 Building Management System - StruxureWare	191,796.00 sf	9.00 /sf	1,726,164
	HVAC		9.00 /sf	1,726,164
	191,796.00 sf			
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	D3060 Controls And Instrumentation		9.00 /sf	1,726,164
	191,796.00 sf			
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D3090	<i>Other HVAC Systems And Equipment</i>			
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23-0000.000	HVAC			
	2 HVAC General Requirements			
	2 Commissioning Support	1.00 ls	45,000.00 /ls	45,000
	2 Coordination & management / BIM	1.00 ls	325,000.00 /ls	325,000
	2 Seismic restraints / bracing	1.00 ls	15,000.00 /ls	15,000
	2 Coring & patching / firestopping	1.00 ls	10,000.00 /ls	10,000
	2 Hoisting & rigging / floor loading	1.00 ls	125,000.00 /ls	125,000
	2 Equipment start up and inspection	1.00 ls	15,000.00 /ls	15,000
	2 Access panels - furnish only	1.00 ls	8,000.00 /ls	8,000
	2 Testing & Balancing			
	2 Testing & balancing	191,796.00 sf	1.35 /sf	258,925
	2 Insulation			
	2 Duct wrap insulation	145,727.00 sf	5.70 /sf	830,644
	2 Pipe Insulation	19,355.00 lf	4.85 /lf	93,872
	HVAC		9.001/sf	1,726,440
	191,796.00 sf			
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	D3090 Other HVAC Systems And Equipment		9.001/sf	1,726,440
	191,796.00 sf			

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
<i>D3090 Other HVAC Systems And Equipment</i>			<i>9.001/sf</i>	<i>1,726,440</i>
	<i>191,796.00 sf</i>			
<i>D30 HEATING, VENTILATION, AND AIR CONDITIONING (HVAC)</i>			<i>80.055/sf</i>	<i>15,354,281</i>
	<i>191,796.00 sf</i>			
<i>D40</i>	<i>FIRE PROTECTION</i>			
<i>D4040</i>	<i>Sprinklers</i>			
<i>21-0000.000</i>	<i>FIRE SUPPRESSION</i>			
2	Fire Protection Sprinkler System			
2	6" Sprinkler Main Piping w/ Fittings & Hangers	390.00	lf 78.80	/lf 30,732
2	BFP-1 - 6" DCVA Backflow Preventor - See Plumbing			
2	Sprinkler Head - Upright / Pendent Sidewall	1,534.00	ea 155.00	/ea 237,770
2	Sprinkler Head - Concealed - Dry	12.00	ea 135.00	/ea 1,620
2	4" Sprinkler Main Piping w/ Fittings & Hangers	3,250.00	lf 76.10	/lf 247,325
2	3" Dry Sprinkler Pipe w/ Fittings & Hangers	280.00	lf 72.45	/lf 20,286
2	2-1/2" Sprinkler Drain Pipe w/ Fittings & Hangers	240.00	lf 46.61	/lf 11,186
2	2-1/2" Sprinkler Pipe - Mains	1,680.00	lf 46.61	/lf 78,305
2	2" Sprinkler Pipe	4,602.00	lf 37.89	/lf 174,370
2	2" Sprinkler Drain Pipe	180.00	lf 46.61	/lf 8,390
2	1-1/2" Sprinkler Pipe	6,136.00	lf 33.33	/lf 204,513
2	1-1/4" Sprinkler Pipe	4,602.00	lf 26.20	/lf 120,572
2	1-1/4" Dry Sprinkler Pipe	180.00	lf 38.80	/lf 6,984
2	1" Sprinkler Pipe	3,068.00	lf 23.22	/lf 71,239
2	Misc. Valves, Tags & Fittings	1.00	ls 141,717.00	/ls 141,717
2	Fire Protection Equipment			
2	FDC-1 - Fire Department Connection Valve	2.00	ea 3,200.00	/ea 6,400
2	DPV-1 - Dry Pipe Valve and Compressor System	1.00	ea 24,500.00	/ea 24,500
2	4" Zone Control Valve Assembly	9.00	ea 5,125.00	/ea 46,125
2	1-1/2" Fire Hose Valve in Hose Cabinet (At Stage)	4.00	ea 1,345.00	/ea 5,380
2	Combination Test Connection and Drain Valve	6.00	ea 525.00	/ea 3,150
2	6" Butterfly Valve	2.00	ea 785.00	/ea 1,570
2	4" Butterfly Valve	2.00	ea 345.00	/ea 690
2	6" Water alarm check valve	1.00	ea 2,600.00	/ea 2,600
2	6" OS&Y Gate Valve	2.00	ea 1,085.00	/ea 2,170
2	4" OS&Y Gate Valve	2.00	ea 775.00	/ea 1,550
2	EB-1 - Electric Bell	1.00	ea 525.00	/ea 525
2	Tamper Switch	6.00	ea 485.00	/ea 2,910
2	Roof Hydrant	1.00	ea 1,290.00	/ea 1,290

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
	<i>FIRE SUPPRESSION</i>		<i>7.580/sf</i>	<i>1,453,869</i>
	<i>191,796.00 sf</i>			
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	<i>D4040 Sprinklers</i>		<i>7.580/sf</i>	<i>1,453,869</i>
	<i>191,796.00 sf</i>			
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<i>D4090</i>	<i>Other Fire Protection Systems</i>			
<i>21-0000.000</i>	<i>FIRE SUPPRESSION</i>			
	2 Fire Protection General Conditions			
	2 Hydraulic Calculations	1.00	/ls 2,400.00	2,400
	2 Testing & Inspection	1.00	/ls 5,000.00	5,000
	2 Drain & Fill System	1.00	/ls 2,600.00	2,600
	2 Coordination and Management	1.00	/ls 28,000.00	28,000
	2 Permits and Fees	1.00	/ls 5,000.00	5,000
	2 Seismic Restraints / Bracing	1.00	/ls 4,000.00	4,000
	2 Coring & Patching / Firestopping	1.00	/ls 2,500.00	2,500
	2 Hoisting & Rigging	1.00	/ls 3,000.00	3,000
	<i>FIRE SUPPRESSION</i>		<i>0.274/sf</i>	<i>52,500</i>
	<i>191,796.00 sf</i>			
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	<i>D4090 Other Fire Protection Systems</i>		<i>0.274/sf</i>	<i>52,500</i>
	<i>191,796.00 sf</i>			
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	<i>D40 FIRE PROTECTION</i>		<i>7.854/sf</i>	<i>1,506,369</i>
	<i>191,796.00 sf</i>			
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<i>D50</i>	<i>ELECTRICAL</i>			
<i>D5010</i>	<i>Electrical Service And Distribution</i>			
<i>26-0000.000</i>	<i>ELECTRICAL</i>			
	10 Normal Power and Distribution			
	10 Switchboard MSB 4000/3000A MCB 4-section	1.00	/ea 253,982.59	253,983
	10 Sub check metering	16.00	/ea 2,959.70	47,355
	10 Dist. Panel DP41A 400A MLO 277/480v	1.00	/ea 11,842.25	11,842
	10 Dist. Panel DP41B 400A MLO 277/480v	1.00	/ea 12,021.20	12,021
	10 Dist. Panel DP41D 600A MLO 277/480v	1.00	/ea 27,635.06	27,635
	10 Dist. Panel DP41E 400A MLO 277/480v	1.00	/ea 11,842.25	11,842
	10 Dist. Panel DP42D 400A MLO 277/480v	1.00	/ea 11,842.25	11,842
	10 Dist. Panel DP42E 400A MLO 277/480v	1.00	/ea 14,002.25	14,002

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
26-0000.000	<i>ELECTRICAL</i>				
10	House lighting dimming cabinet 150A 120/208	0.00 ea			
10	Panel CPP 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Panel KPP 400A MCB 120/208v 84p	1.00 ea	27,615.07 /ea		27,615
10	Panel LP41A 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel LP41B 100A MLO 277/480v 42p	1.00 ea	6,060.74 /ea		6,061
10	Panel LP41D 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel LP41E 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel LP42D 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel LP42E 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel MP21A 150A MCB 120/208v 42p	1.00 ea	7,722.74 /ea		7,723
10	Panel MP21B 150A MCB 120/208v 42p	1.00 ea	7,722.74 /ea		7,723
10	Panel PP21A 225A MCB 120/208v 84p	1.00 ea	16,699.91 /ea		16,700
10	Panel PP21B 225A MCB 120/208v 84p	1.00 ea	16,699.91 /ea		16,700
10	Panel PP21D 225A MCB 120/208v 126p	1.00 ea	28,793.25 /ea		28,793
10	Panel PP21E 225A MCB 120/208v 84p	1.00 ea	16,699.91 /ea		16,700
10	Panel PP22D 225A MCB 120/208v 84p	1.00 ea	18,139.91 /ea		18,140
10	Panel PP22E 225A MCB 120/208v 84p	1.00 ea	18,139.91 /ea		18,140
10	Panel PP-MDF 100A MLO 120/208v 42p	1.00 ea	6,060.74 /ea		6,061
10	Stage dimming cabinet 250A 120/208v	0.00 ea			
10	200A 250V DSN SW FUSIBLE - NEMA 1	3.00 ea	1,351.79 /ea		4,055
10	400A 250V DSN SW FUSIBLE - NEMA 1	2.00 ea	2,579.12 /ea		5,158
10	Transformer T4 45KVA 480-120/208v	4.00 ea	7,980.16 /ea		31,921
10	Transformer T5 75KVA 480-120/208v	1.00 ea	9,860.120 /ea		9,860
10	Transformer T6 112.5 KVA 480-120/208v	1.00 ea	24,989.05 /ea		24,989
10	Transformer KT5 75KVA 480-120/208v	5.00 ea	16,349.05 /ea		81,745
10	600A 4w Feeder EMT Aluminum	30.00 lf	405.007 /lf		12,150
10	400A 4w Feeder EMT Aluminum	1,625.00 lf	150.397 /lf		244,394
10	250A 4w Feeder EMT Aluminum	600.00 lf	85.596 /lf		51,358
10	150A 3w Feeder EMT Aluminum	60.00 lf	70.354 /lf		4,221
10	150A 4w Feeder EMT Aluminum	800.00 lf	88.078 /lf		70,462
10	125A 3w Feeder EMT copper	90.00 lf	66.370 /lf		5,973
10	100A 3w Feeder EMT copper	120.00 lf	60.018 /lf		7,202
10	100A 4w Feeder EMT copper	520.00 lf	48.731 /lf		25,340
10	70A 3w Feeder EMT copper	150.00 lf	24.199 /lf		3,630
10	60A 4w Feeder EMT copper	30.00 lf	30.456 /lf		914
10	Feeder Pri/sec 45KVA 3PH Transformer	4.00 ea	1,149.78 /ea		4,599
10	Feeder Pri/sec 75KVA 3PH Transformer	1.00 ea	1,726.20 /ea		1,726
10	Feeder Pri/sec T6 112.5KVA 3PH Transformer	2.00 ea	2,875.00 /ea		5,750
10	Feeder Pri/sec KT5KVA 3PH Transformer	5.00 ea	3,271.59 /ea		16,358
10	PV Systems				
10	PV System - Panels, inverters , collector boxes, wiring & installation	450.00 KW	4,250.00 /KW		1,912,500
10	PV System - Raceway & Feeders	1.00 ls	75,000.00 /ls		75,000
10	Machine and Equipment Power				
10	Elevator controller circuit & connection	1.00 ea	3,800.00 /ea		3,800
10	ACC-*** Split system fan unity 30A 208v 2p circuit & connection	12.00 ea	1,804.61 /ea		21,655
10	ACCU-** VFR Air cooled condenser 30A 480v circuit & connection	26.00 ea	3,065.26 /ea		79,697
10	ACU-*** Split system condenser unity 30A 208v 2p circuit & connection	12.00 ea	2,768.81 /ea		33,226

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
26-0000.000	<i>ELECTRICAL</i>				
10	AD-** Air curtain 28KW 480v circuit & connection	2.00 ea	5,465.00 /ea	10,930	
10	AHU-A-1 Air handler 250A 480v circuit & connection	1.00 ea	18,403.23 /ea	18,403	
10	AHU-A-2 Air handler 80A 480v circuit & connection	1.00 ea	10,087.00 /ea	10,087	
10	AHU-B-1 Air handler 300A 480v circuit & connection	1.00 ea	26,979.63 /ea	26,980	
10	AHU-B-2 Air handler 125A 480v circuit & connection	1.00 ea	9,537.75 /ea	9,538	
10	AHU-C-1 Air handler 110A 480v circuit & connection	1.00 ea	9,389.56 /ea	9,390	
10	AHU-C-2 Air handler 250A 480v circuit & connection	1.00 ea	20,594.16 /ea	20,594	
10	AHU-D-1 Air handler 110A 480v circuit & connection	1.00 ea	9,389.56 /ea	9,390	
10	AHU-D-2 Air handler 175A 480v circuit & connection	1.00 ea	14,785.05 /ea	14,785	
10	BC** Branch controller 30A 208v 2p circuit & connect	25.00 ea	1,083.30 /ea	27,083	
10	CP-** Circ pump 120v circuit & connection	2.00 ea	7,145.00 /ea	14,290	
10	CUH-** Electric cabinet unit heaters circuit & connection	10.00 ea	1,952.42 /ea	19,524	
10	DOAS-A-1 Dedicated air unit 150A 480v circuit & connection	1.00 ea	12,390.37 /ea	12,390	
10	DOAS-A-2 Dedicated air unit 150A 480v circuit & connection	1.00 ea	12,390.37 /ea	12,390	
10	DOAS-B-1 Dedicated air unit 110A 480v circuit & connection	1.00 ea	9,546.19 /ea	9,546	
10	DOAS-B-2 Dedicated air unit 150A 480v circuit & connection	1.00 ea	12,390.37 /ea	12,390	
10	DOAS-D-1 Dedicated air unit 250A 480v circuit & connection	1.00 ea	22,509.08 /ea	22,509	
10	DOAS-D-2 Dedicated air unit 250A 480v circuit & connection	1.00 ea	22,509.08 /ea	22,509	
10	DOAS-E-1 Dedicated air unit 200A 480v circuit & connection	1.00 ea	17,114.86 /ea	17,115	
10	DOAS-E-2 Dedicated air unit 200A 480v circuit & connection	1.00 ea	17,114.86 /ea	17,115	
10	EF-** Exhaust fans circuit & connection	10.00 ea	2,064.50 /ea	20,645	
10	EWB-** Electric water heater 480v 53KVA circuit & connection	3.00 ea	34,557.18 /ea	103,672	
10	FCU-E** VRF Fan coil units 20A 208v 2p circuit & connect	177.00 ea	875.00 /ea	154,875	
10	MAU-1 Make up air 60A 480v circuit & connection	1.00 ea	5,876.84 /ea	5,877	
10	MAU-2 Make up air 60A 480v circuit & connection	1.00 ea	5,876.84 /ea	5,877	
10	UU-** Electric unit heaters 7.5KW 208v circuit & connection	10.00 ea	2,882.88 /ea	28,829	
10	VAV-** Variable volume 20A 480v circuit & connection	10.00 ea	1,150.00 /ea	11,500	
10	Mechanical equipment circuits unidentified	191,796.00 sf	0.65 /sf	124,667	
10	Emergency Power				

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
26-0000.000	<i>ELECTRICAL</i>				
10	900KW Diesel gen set 277/480v Exterior weather enclosure	1.00 ea	551,931.00 /ea		551,931
10	ATS-1 Emergency 150A 4p 480v	1.00 ea	13,433.09 /ea		13,433
10	ATS-2 Standby 1200A 4p 480v	1.00 ea	53,830.13 /ea		53,830
10	Sub check metering	2.00 ea	2,959.71 /ea		5,919
10	Panel ELP41A 100A MLO 277/480v 42p	1.00 ea	6,060.74 /ea		6,061
10	Panel ELP41B 100A MLO 277/480v 42p	1.00 ea	6,060.74 /ea		6,061
10	Panel ELP41D 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel ELP42D 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel EPP21D 100A MCB 120/208v 84p	1.00 ea	11,659.91 /ea		11,660
10	Panel SLP41A 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel SLP41B 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel SLP41D 100A MLO 277/480v 18p	1.00 ea	4,620.74 /ea		4,621
10	Panel SPP MDF 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Panel SPP21A 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Panel SPP21B 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Panel SPP21D 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Panel SPP21E 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Panel SPP22D 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Panel SPP22E 150A MCB 120/208v 84p	1.00 ea	15,259.91 /ea		15,260
10	Dist. Panel EDP41D 150A MCB 277/480v	1.00 ea	6,417.80 /ea		6,418
10	Dist. Panel SDP41A 400A MLO 277/480v	1.00 ea	11,842.25 /ea		11,842
10	Dist. Panel SDP41B 225A MLO 277/480v	1.00 ea	8,242.25 /ea		8,242
10	Dist. Panel SDP41D 1200A MCB 277/480v	1.00 ea	35,048.800 /ea		35,049
10	Dist. Panel SDP41E 225A MLO 277/480v	1.00 ea	7,908.40 /ea		7,908
10	Dist. Panel SDP42D 400A MLO 277/480v	1.00 ea	11,842.25 /ea		11,842
10	Dist. Panel SDP42E 225A MLO 277/480v	1.00 ea	8,272.07 /ea		8,272
10	Feeder Pri/sec 45KVA 3PH Transformer	1.00 ea	1,149.78 /ea		1,150
10	Feeder Pri/sec 45KVA 3PH Transformer	1.00 ea	1,149.78 /ea		1,150
10	Feeder Pri/sec K-45KVA 3PH Transformer	2.00 ea	1,726.20 /ea		3,452
10	Transformer KT4 45KVA 480-120/208v	2.00 ea	14,180.86 /ea		28,362
10	Transformer T4 45KVA 480-120/208v	5.00 ea	7,980.17 /ea		39,901
10	1200A 4w Feeder EMT Aluminum	30.00 lf	940.93 /lf		28,228
10	225A 4w Feeder EMT Aluminum	30.00 lf	120.27 /lf		3,608
10	200A 4w Feeder EMT Aluminum	1,300.00 lf	79.34 /lf		103,142
10	150A 4w Feeder EMT Aluminum	530.00 lf	92.63 /lf		49,094
10	100A 4w Feeder EMT copper	120.00 lf	51.25 /lf		6,150
10	70A 3w Feeder EMT copper	180.00 lf	25.45 /lf		4,581
10	60A 4w Feeder EMT copper	30.00 lf	32.03 /lf		961
10	8/4 MI Cable w/terminations	750.00 lf	42.65 /lf		31,988
10	Misc Electrical	1.00 ls	25,000.00 /ls		25,000
10	Utility Coordination	1.00 ls	250,000.00 /ls		250,000
	<i>ELECTRICAL</i>		<u>28.963/sf</u>		<u>5,554,983</u>

191,796.00 sf

D5010 Electrical Service And Distribution

28.963/sf

5,554,983

191,796.00 sf

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total
				Amount
<i>D5010 Electrical Service And Distribution</i>				<i>28.963/sf</i>
				<i>5,554,983</i>
<i>191,796.00 sf</i>				
<i>D5020 Lighting & Branch Wiring</i>				
<i>26-0000.000</i>	<i>ELECTRICAL</i>			
10	Lighting			
10	Lighting fixture budget	1.00	ls	1,541,500.00 /ls
10	Type LP1 LED 8' beam pendant dir/ind	16.00	ea	368.67 /ea
10	Type LP1 LED 14' beam pendant dir/ind	12.00	ea	413.41 /ea
10	Type LP1 LED 16' beam pendant dir/ind	1.00	ea	458.52 /ea
10	Type LP1 LED 18' beam pendant dir/ind	102.00	ea	517.88 /ea
10	Type LP1 LED 20' beam pendant dir/ind	42.00	ea	547.64 /ea
10	Type LP1 LED 22' beam pendant dir/ind	2.00	ea	577.830 /ea
10	Type LP1 LED 24' beam pendant dir/ind	6.00	ea	622.200 /ea
10	Type LP1 LED 36' beam pendant dir/ind	4.00	ea	883.19 /ea
10	Type LP11 LED 26' Micro beam pendant dir/ind remote driver	7.00	ea	682.23 /ea
10	Type LP11 LED 38' Micro beam pendant dir/ind remote driver	4.00	ea	473.07 /ea
10	Type LP2 LED 26x 28' beam rectangle pendant dir/ind	1.00	ea	3,732.04 /ea
10	Type LP2 LED 26x 32' beam rectangle pendant dir/ind	7.00	ea	3,732.04 /ea
10	Type LP3 LED 60" Ring pendant dir/ind	8.00	ea	600.21 /ea
10	Type LP4 LED 24' Round pendant dir/ind	9.00	ea	599.87 /ea
10	Type LP4A LED 36' Round pendant dir/ind	6.00	ea	599.96 /ea
10	Type LP5 LED Cylinder pendant down light	37.00	ea	283.93 /ea
10	Type LP5A LED Cylinder pendant down light	38.00	ea	283.93 /ea
10	Type LP6 LED Hi-bay	35.00	ea	664.31 /ea
10	Type LP7 LED Decorative pendant down light	12.00	ea	395.79 /ea
10	Type LR1 LED Recessed down light decorative trim	6.00	ea	230.42 /ea
10	Type LR1 LED Recessed down light decorative trim	49.00	ea	230.42 /ea
10	Type LR2 LED 2x2 recessed troffer	66.00	ea	148.390 /ea
10	Type LR3 LED 4" round recessed down light	390.00	ea	193.13 /ea
10	Type LR3A LED 4" round recessed down light	92.00	ea	193.13 /ea
10	Type LR3B LED 4" round recessed down light wet location	25.00	ea	208.04 /ea
10	Type LR3C LED 4" round recessed down light wall wash	58.00	ea	222.96 /ea
10	Type LR3D LED 4" round recessed down light DMX control	25.00	ea	230.42 /ea
10	Type LR4 LED per ft Recessed perimeter linear	507.00	ea	126.02 /ea
10	Type LR4A LED per ft Recessed perimeter linear pattern lit corners	1,700.00	ea	126.02 /ea
10	Type LR4B LED 8' Recessed perimeter linear	1.00	ea	193.12 /ea
10	Type LR4B LED 12' Recessed perimeter linear	1.00	ea	260.23 /ea

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
26-0000.000	<i>ELECTRICAL</i>				
10	Type LR4B LED 13' Recessed perimeter linear	2.00 ea	260.24 /ea		520
10	Type LR4B LED 15' Recessed perimeter linear	2.00 ea	275.160 /ea		550
10	Type LR4B LED 17' Recessed perimeter linear	2.00 ea	304.98 /ea		610
10	Type LR4B LED 30' Recessed perimeter linear	1.00 ea	491.40 /ea		491
10	Type LR4C LED 6' Recessed perimeter linear	19.00 ea	193.13 /ea		3,669
10	Type LR4C LED 8' Recessed perimeter linear	7.00 ea	193.12 /ea		1,352
10	Type LR4C LED 9' Recessed perimeter linear	1.00 ea	208.03 /ea		208
10	Type LR4C LED 9' Recessed perimeter linear	1.00 ea	208.03 /ea		208
10	Type LR4C LED 17' Recessed perimeter linear	1.00 ea	304.98 /ea		305
10	Type LR4C LED 18' Recessed perimeter linear	4.00 ea	319.900 /ea		1,280
10	Type LR4C LED 21' Recessed perimeter linear	2.00 ea	379.55 /ea		759
10	Type LR4C LED 22' Recessed perimeter linear	1.00 ea	409.36 /ea		409
10	Type LR4C LED 24' Recessed perimeter linear	1.00 ea	469.02 /ea		469
10	Type LR5 LED 12' Recessed linear	2.00 ea	260.24 /ea		520
10	Type LR5 LED 14' Recessed linear	1.00 ea	275.14 /ea		275
10	Type LR5 LED 16' Recessed linear	3.00 ea	319.89 /ea		960
10	Type LR5 LED 18' Recessed linear	1.00 ea	319.88 /ea		320
10	Type LR5 LED 26' Recessed linear	1.00 ea	483.93 /ea		484
10	Type LR5 LED 28' Recessed linear	1.00 ea	498.85 /ea		499
10	Type LR6 LED Recessed step light	39.00 ea	223.70 /ea		8,724
10	Type LR7 LED 1x4 recessed troffer	133.00 ea	157.34 /ea		20,926
10	Type LR8 LED 10' Beam recessed linear	18.00 ea	245.33 /ea		4,416
10	Type LR8 LED 12' Beam recessed linear	14.00 ea	275.160 /ea		3,852
10	Type LR8 LED 14' Beam recessed linear	5.00 ea	290.06 /ea		1,450
10	Type LR8 LED 18' Beam recessed linear	5.00 ea	349.73 /ea		1,749
10	Type LR8 LED 20' Beam recessed linear	1.00 ea	379.54 /ea		380
10	Type LR8 LED 22' Beam recessed linear	1.00 ea	439.20 /ea		439
10	Type LR8 LED 26' Beam recessed linear	1.00 ea	483.93 /ea		484
10	Type LR8 LED 6' Beam recessed linear	7.00 ea	208.05 /ea		1,456
10	Type LR8 LED 8' Beam recessed linear	12.00 ea	208.05 /ea		2,497
10	Type LR8A LED per ft Beam recessed linear w/corners	425.00 ea	126.02 /ea		53,559
10	Type LR9 LED 26' Beam recessed linear wall wash	1.00 ea	543.580 /ea		544
10	Type LR9 LED 40' Beam recessed linear wall wash	3.00 ea	1,102.860 /ea		3,309
10	Type LS1 LED 4' Utility strip	33.00 ea	252.03 /ea		8,317
10	Type LS1 LED 8' Utility strip	5.00 ea	296.77 /ea		1,484
10	Type LS2 LED Surface flood light	14.00 ea	411.45 /ea		5,760
10	Type LS4 LED 15' Surface tape	6.00 ea	298.27 /ea		1,790
10	Type LS4 LED 28' Surface tape	2.00 ea	447.41 /ea		895
10	Type LT1 22' 2 Circuit pendant track	8.00 ea	223.70 /ea		1,790
10	Type LT2 LED track Head	48.00 ea	37.28 /ea		1,789
10	Type LW1 LED Wall sconce	14.00 ea	305.970 /ea		4,284
10	Type X1 LED edge lit exit single face	22.00 ea	224.60 /ea		4,941
10	Type X2 LED edge lit exit dual face	9.00 ea	224.59 /ea		2,021
10	Type XHC LED Alum exit single face ADA sign	8.00 ea	224.59 /ea		1,797
10	Lighting Controls				
10	Stcc Lv Wall lighting control 1	4.00 ea	159.300 /ea		637
10	[DS] Lighting photo control	25.00 ea	212.01 /ea		5,300
10	[LVD] Wall mount dimming controller	155.00 ea	262.410 /ea		40,674

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
26-0000.000	<i>ELECTRICAL</i>				
10	[OS] Ceiling occupancy sensor	162.00 ea	197.10 /ea		31,930
10	[R] Emergency lighting relay	55.00 ea	557.60 /ea		30,668
10	[RC] Lighting control room controller	98.00 ea	833.77 /ea		81,709
10	[VS] Ceiling vacancy sensor	152.00 ea	197.10 /ea		29,959
10	[VS] Wall vacancy sensor	64.00 ea	180.51 /ea		11,553
10	20A 120-277V S/P Switch , box & plate	46.00 ea	105.16 /ea		4,837
10	25' CAT 6 Lighting control cable	560.00 ea	63.36 /ea		35,482
10	Lighting control wall box	220.00 ea	75.24 /ea		16,553
10	Luminary cable MC 12/2 & 14/2 1-10VDC	28,000.00 ea	7.80 /ea		218,400
10	3/4" - EMT 3#12	2,700.00 ea	15.53 /ea		41,931
10	3/4" - EMT 5#12	2,000.00 ea	14.61 /ea		29,220
10	3/4" - EMT 5#12-2#16 10vdc	1,500.00 ea	28.70 /ea		43,050
10	3/4" - EMT 7#12	1,500.00 ea	15.95 /ea		23,925
10	#10/2C MC Cable	5,000.00 ea	10.30 /ea		51,500
10	Lighting controls installation & programming	191,796.00 sf	1.25 /sf		239,745
10	Theater lighting system circuits & installation allowance stage lighting dimming & fixture carried in equipment budget	1.00 allow	65,000.00 /allow		65,000
10	Branch Devices & Circuitry				
10	20A 125V 3W Single recept, box & plate	115.00 ea	128.75 /ea		14,806
10	20A 125V Duplex receptacle, box & plate	610.00 ea	111.90 /ea		68,259
10	20A 125V Duplex GFCI receptacle, box & plate	140.00 ea	132.860 /ea		18,600
10	20A 125V Duplex GFCI receptacle, box & WP plate	46.00 ea	139.88 /ea		6,434
10	(2) 20A 125V Duplex receptacle, box & plate	65.00 ea	163.60 /ea		10,634
10	20A 125V Controlled duplex receptacle, box & plate	450.00 ea	111.90 /ea		50,355
10	20A 125V Controlled duplex GFCI receptacle, box & plate	27.00 ea	132.87 /ea		3,587
10	(2) 20A 125V Duplex controlled receptacle, box & plate	120.00 ea	163.670 /ea		19,640
10	[PH] Projector rough-in receptacle, box & sleeves	1.00 ea	161.74 /ea		162
10	[BKS] Backstop controller , & backstop circuit & connection	6.00 ea	329.77 /ea		1,979
10	[CDC] Curtain controller circuit & connection	1.00 ea	478.91 /ea		479
10	[FB1] 12 Gang floor box w/ branch & Telcom raceways	25.00 ea	1,947.20 /ea		48,680
10	6" Poke thru-Power/T/AV w/ branch circuits & raceways	8.00 ea	1,667.54 /ea		13,340
10	20A Cord reel w/ 25' cable	54.00 ea	1,491.98 /ea		80,567
10	30A 250V 4W Dryer receptacle box & plate	1.00 ea	244.90 /ea		245
10	L5-30R 30A 125V 3Wire TL receptacle, box & plate	16.00 ea	173.13 /ea		2,770
10	50A 250V 4W Range receptacle, box & plate	1.00 ea	267.89 /ea		268
10	Auditorium aisle lighting connections	45.00 ea	248.90 /ea		11,201
10	Bleacher controller circuit & connect	2.00 ea	255.21 /ea		510
10	Hand Dryer connection				
10	Kiln circuit & connect	1.00 ea	1,627.79 /ea		1,628
10	Kitchen equipment connections 20A 3w allowance e	1.00 ls	30,000.00 /ls		30,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
26-0000.000	<i>ELECTRICAL</i>				
10	Overhead door operator circuit & connect	4.00 ea	659.54 /ea		2,638
10	Projection screen motor circuit & connect	4.00 ea	329.77 /ea		1,319
10	Projection screen wall controller	4.00 ea	329.77 /ea		1,319
10	Score board & shot clock circuits & connections	2.00 ea	6,414.26 /ea		12,829
10	Trash compactor circuit & connect	1.00 ea	659.54 /ea		660
10	TP-1 Trap primer connection	8.00 ea	197.52 /ea		1,580
10	Auto flush/faucet valve connection	57.00 ea	202.31 /ea		11,532
10	Emergency pull switch & light	16.00 ea	923.43 /ea		14,775
10	Kiln EPO shut down	1.00 ea	1,017.76 /ea		1,018
10	3/4" PVC IN SLAB 5 #12	644.00 lf	11.92 /lf		7,676
10	3/4" - EMT 3#10	1,000.00 lf	13.26 /lf		13,260
10	3/4" - EMT 5#10	1,000.00 lf	16.49 /lf		16,490
10	3/4" - EMT 5#12	1,000.00 lf	14.43 /lf		14,430
10	3/4" - EMT 7#10	3,000.00 lf	17.82 /lf		53,460
10	3/4" - EMT 7#12	10,000.00 lf	15.93 /lf		159,300
10	#10/3C MC Cable	3,000.00 lf	6.51 /lf		19,530
10	#12/3C MC Cable	18,000.00 lf	4.46 /lf		80,280
10	#12/2C MC Cable	45,000.00 lf	4.35 /lf		195,750
10	Allowance for undesigned devices & circuits	191,796.00 sf	1.00 /sf		191,796
10	Lighting fixture budget Allowance - Recon Reduction	-191,796.00 ls	1.75 /ls		(335,643)
10	Recon Adjustment	-191,796.00 ls	1.75 /ls		(335,643)
	<i>ELECTRICAL</i>		19.927/sf		3,821,827
	191,796.00 sf				
	<i>D5020 Lighting & Branch Wiring</i>		19.927/sf		3,821,827
	191,796.00 sf				

D5030 Communications & Security

27-0000.000	<i>COMMUNCIATIONS</i>				
10	Telecomm Backbone raceways & sleeves	1.00 ls	50,000.00 /ls		50,000
10	Technology wall/floor sleeves & fire proofing	12.00 ea	343.40 /ea		4,121
10	Telecomm wall sleeve 1" - EMT	150.00 ea	196.64 /ea		29,496
10	Telecomm wall sleeve 1-1/4" - EMT	20.00 ea	294.49 /ea		5,890
10	IDF Closet 2-post rack, with fiber & CAT 6 patch panels	6.00 ea	4,737.75 /ea		28,427
10	MDF Closet 4-post rack, with fiber & CAT 6 patch panels	2.00 ea	8,006.63 /ea		16,013
10	IT Wall mounted cabinet w/FO & copper patch panel	1.00 ea	2,068.87 /ea		2,069
10	IDF Closet cable tray & grounding bus	6.00 ea	4,766.63 /ea		28,600
10	IDF racks vertical l wire management	12.00 ea	785.00 /ea		9,420
10	(W) 1-CAT 6A Devices , termination & testing	31.00 ea	85.79 /ea		2,659
10	(WAP) 2-CAT 6A Devices , termination & testing	70.00 ea	85.79 /ea		6,005
10	2-CAT 6A Devices , termination & testing	46.00 ea	85.79 /ea		3,946
10	4-CAT 6 Cables , termination & testing	36.00 ea	85.79 /ea		3,088

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
27-0000.000 COMMUNICATIONS					
10	(CAM) 1-CAT 6A Devices , termination & testing	132.00	ea	85.80 /ea	11,326
10	(PR) 2-CAT 6A Devices , termination & testing	5.00	ea	81.76 /ea	409
10	(TCP) 1-CAT 6A Devices , termination & testing	47.00	ea	85.79 /ea	4,032
10	(TS) 4-CAT 6A Devices , termination & testing	47.00	ea	283.56 /ea	13,327
10	CBL - CMP CAT6A UTP BLU	165,000.00	ea	1.33 /ea	219,450
10	100 PR PUNCH DOWN BLOCK	2.00	ea	123.61 /ea	247
10	25 PR PUNCH DOWN BLOCK	6.00	ea	68.89 /ea	413
10	CBL - CMP CAT5 UTP BKBN 25 PR GRY	500.00	lf	5.12 /lf	2,560
10	FO Cable 24F MM OM4 Armored	50.00	lf	7.11 /lf	356
10	FO Cable 24F SM OS2 Armored	500.00	lf	7.11 /lf	3,555
10	FO Terminations	576.00	lf	68.65 /lf	39,542
10	#24-100P TELEPHONE CABLE	500.00	lf	7.23 /lf	3,615
10	Technology equipment	0.00	NIC		
10	AV System	0.00	ITEM		
10	Auditorium Equipment & installation	1.00	ls	205,000.00 /ls	205,000
10	Cafeteria Equipment & installation	1.00	ls	215,000.00 /ls	215,000
10	Gymnasium Equipment & installation	1.00	ls	80,000.00 /ls	80,000
10	Large group Equipment & installation	1.00	ls	50,000.00 /ls	50,000
10	Band & Chrous Equipment & installation	1.00	ls	35,000.00 /ls	35,000
10	AV raceway rough in for above listed systems	1.00	ls	50,000.00 /ls	50,000
10	AV raceway rough in for classrooms	47.00	ea	1,800.00 /ea	84,600
10	Digital Signs	1.00	ls	25,000.00 /ls	25,000
10	Public Address Systems	0.00	ITEM		
10	(SP1) One way ceiling mounted Speaker	315.00	ea	275.720 /ea	86,852
10	#18- 2P Twisted pr cable	12,000.00	lf	1.27 /lf	15,240
10	Gymnasium speaker & sound system	1.00	ls	45,000.00 /ls	45,000
10	Public address Systems equipment & installation	1.00	ls	75,000.00 /ls	75,000
10	Program Clock System	0.00	ITEM		
10	Equipment & programming allowance	1.00	ls	40,000.00 /ls	40,000
10	12" Surface wireless clock	124.00	ea	410.00 /ea	50,840
10	16" Surface wireless clock w/wire guard	2.00	ea	600.00 /ea	1,200
10	DAS Radio Repeater System	0.00	ITEM		
10	DAS/BDA Radio System allowance	1.00	ls	125,000.00 /ls	125,000
10	Cellular repeater system allowance	1.00	ls	125,000.00 /ls	125,000
	COMMUNICATIONS			9.371/sf	1,797,299
	191,796.00 sf				
28-0000.000 ELECTRONIC SAFETY & SECURITY					
10	Security Systems				
10	[CR] Car reader raceway, device & wire	48.00	ea	720.13 /ea	34,566
10	Security door rough-in raceways & boxes	48.00	ea	439.91 /ea	21,116
10	[DC] Door contact	87.00	ea	124.85 /ea	10,862
10	[DJ] 8x8x4 Door security junction box	59.00	ea	110.89 /ea	6,543
10	[REX] Request to exit device , raceway & cable	48.00	ea	277.94 /ea	13,341
10	[DR] Door release/ lock down push button & circuit	21.00	ea	110.89 /ea	2,329
10	[EH] Door transfer hinge	71.00	ea	318.98 /ea	22,648
10	[EL/R] Electrified lock& circuit	57.00	ea	252.33 /ea	14,383
10	[KP] Digital key pad , raceway & cable	1.00	ea	673.42 /ea	673
10	[LD] Local down/ door release em button	21.00	ea	388.42 /ea	8,157

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	Amount
28-0000.000	<i>ELECTRONIC SAFETY & SECURITY</i>				
10	[MO] Ceiling motion sensor & cable	106.00 ea	142.62 /ea		15,118
10	[MS] Master call station	1.00 ea	676.23 /ea		676
10	[IC] Voice intercom station	9.00 ea	489.24 /ea		4,403
10	[P] Panic call button, & raceway sleeve	3.00 ea	231.82 /ea		695
10	[CCTV] Ceiling mount camera & cable	46.00 ea	1,200.00 /ea		55,200
10	[CCTV] Ceiling mount 360d camera	21.00 ea	2,400.00 /ea		50,400
10	[CCTV] Wall mount 180d camera	5.00 ea	1,200.00 /ea		6,000
10	[CCTV] Wall mount fixed camera	22.00 ea	800.00 /ea		17,600
10	[CCTV] Exterior wall mount camera	16.00 ea	2,000.00 /ea		32,000
10	[CCTV] Exterior davit mounted 360d	27.00 ea	2,780.00 /ea		75,060
10	[CCTV] Exterior pole mounted	3.00 ea	2,480.00 /ea		7,440
10	[CCTV] Exterior pole mounted 360d	19.00 ea	3,780.00 /ea		71,820
10	#18- 1P Communication cable	5,000.00 lf	1.33 /lf		6,650
10	#18- 2P Communication cable	3,000.00 lf	1.71 /lf		5,130
10	#18/6C Shielded communication cable	12,000.00 lf	3.76 /lf		45,120
10	#22- 2P Communication cable	2,000.00 lf	1.60 /lf		3,200
10	#22/2C Communication cable	4,000.00 lf	1.34 /lf		5,360
10	#22/4C Communication cable	4,000.00 lf	1.47 /lf		5,880
10	Gunshot Detection System allowance				
10	Access control & CCTV head end equipment , programming & commissioning	1.00 ea	325,000.00 /ea		325,000
10	Fire Alarm System				
10	Equipment ,devices and programming	1.00 ea	228,977.72 /ea		228,978
10	F/A Addressable control panels per section	2.00 ea	4,191.775 /ea		8,384
10	F/A Remote annunciator	1.00 ea	523.98 /ea		524
10	F/A Remote annunciator w/ evac voice amplifier	1.00 ea	523.98 /ea		524
10	F/A Signal amplifier cabinet	1.00 ea	523.98 /ea		524
10	F/A Battery cabinet w/72 hour batteries	1.00 ea	785.96 /ea		786
10	F/A Exterior bell	2.00 ea	317.645 /ea		635
10	F/A Document cabinet	1.00 ea	290.62 /ea		291
10	F/A Knox box	2.00 ea	553.71 /ea		1,107
10	F/A Pull station installed w/back box	4.00 ea	248.065 /ea		992
10	F/A Heat detector installed w./back box	26.00 ea	187.635 /ea		4,879
10	F/A Smoke detector installed w/back box	238.00 ea	411.293 /ea		97,888
10	F/A Smoke detector installed w/elevator relay base & back box	3.00 ea	411.293 /ea		1,234
10	F/A CO detector installed w./back box	1.00 ea	207.54 /ea		208
10	F/A Remote indicating light installed w/back box	3.00 ea	149.080 /ea		447
10	F/A Speaker/strobe ceiling mount installed w/back box	267.00 ea	319.059 /ea		85,189
10	F/A Speaker/strobe wall mount installed w/back box	10.00 ea	238.722 /ea		2,387
10	F/A Strobe ceiling mount installed w/back box	34.00 ea	255.520 /ea		8,688
10	F/A Strobe wall mount installed w/back box	42.00 ea	197.184 /ea		8,282
10	F/A Door holder installed w/back box	16.00 ea	494.368 /ea		7,910
10	F/A Tamper switch & monitor module	6.00 ea	417.392 /ea		2,504
10	F/A Flow switch & monitor module	6.00 ea	415.512 /ea		2,493
10	F/A SLC/NAC 3/4" EMT & loop circuits	4,300.00 ea	11.843 /ea		50,923
10	F/A 14/4 FPLP/MC cable	18,000.00 lf	3.936 /lf		70,856
10	F/A 16/2 FPLP/MC cable	16,000.00 lf	2.933 /lf		46,926
10	Area of refuge	1.00 ea	43,846.79 /ea		43,847

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
28-0000.000	<i>ELECTRONIC SAFETY & SECURITY</i>				
10	F/A 16/2 FPLP/MC cable	2,200.00 lf	3.176 /lf		6,988
	<i>ELECTRONIC SAFETY & SECURITY</i>		8.091/sf		1,551,762
	191,796.00 sf				
	<i>D5030 Communications & Security</i>		17.462/sf		3,349,060
	191,796.00 sf				
<i>D5090</i>	<i>Other Electrical System</i>				
26-0000.000	<i>ELECTRICAL</i>				
10	Miscellaneous Electrical Systems				
10	Building & service grounding	1.00 ls	30,000.00 /ls		30,000
10	Lightning protection	1.00 ls	125,000.00 /ls		125,000
10	Digital signage Rough-in	1.00 ls	35,000.00 /ls		35,000
10	Temporary power and lights	1.00 ls	225,000.00 /ls		225,000
10	Subcontractor site office & storage	1.00 ls	75,000.00 /ls		75,000
10	Subcontractor supervision & general conditions	1.00 ls	350,000.00 /ls		350,000
10	BIM Coordination	1.00 ls	45,000.00 /ls		45,000
10	Testing and Commissioning	1.00 ls	50,000.00 /ls		50,000
	<i>ELECTRICAL</i>		4.875/sf		935,000
	191,796.00 sf				
	<i>D5090 Other Electrical System</i>		4.875/sf		935,000
	191,796.00 sf				
	<i>D50 ELECTRICAL</i>		71.226/sf		13,660,870
	191,796.00 sf				
	D SERVICES		186.236/sf		35,719,320
	191,796.00 sf				
E	EQUIPMENT AND FURNISHINGS				
<i>E10</i>	<i>EQUIPMENT</i>				
<i>E1010</i>	<i>Commercial Equipment</i>				

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total
Item	Description	Takeoff Qty	Unit Cost	Amount
<i>11-0000.000 EQUIPMENT</i>				
	2 Food Service Equipment - Kitchen Allowance	1.00 ls	1,585,000.00 /ls	1,585,000
	2 Food Service Equipment - UC Dishwasher Allowance	1.00 ls	13,000.00 /ls	13,000
	<i>EQUIPMENT</i>		<i>8.332/sf</i>	<i>1,598,000</i>
	<i>191,796.00 sf</i>			
	<i>E1010 Commercial Equipment</i>		<i>8.332/sf</i>	<i>1,598,000</i>
	<i>191,796.00 sf</i>			
<hr/>				
<i>E1060 Residential Equipment</i>				
<i>11-0000.000 EQUIPMENT</i>				
	50 Ice Machine	5.00 ea	1,700.00 /ea	8,500
	50 Dishwasher	7.00 ea	1,200.00 /ea	8,400
	50 30" Fridge / Freezer	8.00 ea	1,200.00 /ea	9,600
	50 Chest Freezer	1.00 ea	800.00 /ea	800
	50 30" Elec cooktop / Backsplash	7.00 ea	1,200.00 /ea	8,400
	50 Range Hood	7.00 ea	200.00 /ea	1,400
	50 Front Load Washer	5.00 ea	1,300.00 /ea	6,500
	50 Dryer	5.00 ea	1,500.00 /ea	7,500
	50 Delivery & Freight	1.00 ls	2,750.00 /ls	2,750
	50 Installation	4.00 CDay	1,500.00 /CDay	6,000
	<i>EQUIPMENT</i>		<i>0.312/sf</i>	<i>59,850</i>
	<i>191,796.00 sf</i>			
	<i>E1060 Residential Equipment</i>		<i>0.312/sf</i>	<i>59,850</i>
	<i>191,796.00 sf</i>			
<hr/>				
<i>E1090 Other Equipment</i>				
<i>11-0000.000 EQUIPMENT</i>				
	150 Dock Levelers & Bumpers	1.00 ls	20,000.00 /ls	20,000
	001 Projection Screens - 86" Diagonal, Auditorium	1.00 ea	60,000.00 /ea	60,000
	2 Fume Hoods	5.00 ea	12,000.00 /ea	60,000
	2 Acid / Fire Cabinets	4.00 ea	5,000.00 /ea	20,000
	2 Biological Storage Cabinets	4.00 ea	2,500.00 /ea	10,000
	2 Goggle Cabinet - UV Sterilization (1 Per Prep)	4.00 ea	1,500.00 /ea	6,000
	010 Theater Rigging & Curtains	1.00 ls	79,000.00 /ls	79,000
	010 Theater Lighting Controls - includes dimming Cabinets	1.00 ls	141,000.00 /ls	141,000
	010 Theater Lighting Fixtures	1.00 ls	731,000.00 /ls	731,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
11-0000.000	EQUIPMENT				
010	Theater Acoustics	1.00	ls	99,000.00 /ls	99,000
10	Motorized Basketball Hoops, Winch, Connectors.	6.00	ea	12,500.00 /ea	75,000
10	Motorized Divider Curtain, Elec Operated	1.00	ea	40,000.00 /ea	40,000
10	Scoreboard	1.00	ea	22,000.00 /ea	22,000
10	Volley Ball Equipment - Net	1.00	ea	1,500.00 /ea	1,500
10	Volley Ball Equipment - Sleeves & Poles	1.00	ea	5,000.00 /ea	5,000
10	Scoreboard, Type 2	1.00	ea	12,000.00 /ea	12,000
38	Wall Pads - 6' tall x 2' wide	1,420.00	sf	35.00 /sf	49,700
38	Mat Hoist	2.00	ea	6,500.00 /ea	13,000
38	Hoistable Batting Cage	1.00	ea	18,000.00 /ea	18,000
38	Shot Clock	1.00	ea	4,000.00 /ea	4,000
38	Wall Pads - 6' tall x 2' wide, Safe Room	156.00	sf	35.00 /sf	5,460
001	Kiln	1.00	ls	3,000.00 /ls	3,000
	EQUIPMENT			<u>7.689/sf</u>	<u>1,474,660</u>
	191,796.00 sf				
	12.048 Labor hours				
13-0000.000	SPECIAL CONSTRUCTION				
200	Whirlpool - Whitehall Mfg. 110 Gallon - 304 Stainless	1.00	ea	15,000.00 /ea	15,000
	SPECIAL CONSTRUCTION			<u>0.078/sf</u>	<u>15,000</u>
	191,796.00 sf				
	E1090 Other Equipment			<u>7.767/sf</u>	<u>1,489,660</u>
	191,796.00 sf				
	12.048 Labor hours				
E2010	Fixed Furnishings				
06-2000.000	FINISH CARPENTRY				
2	Homasote Paneling	314.00	sf	12.00 /sf	3,768
	FINISH CARPENTRY			<u>0.020/sf</u>	<u>3,768</u>
	191,796.00 sf				
	E2010 Fixed Furnishings			<u>0.020/sf</u>	<u>3,768</u>
	191,796.00 sf				

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
				Total
<i>E10 EQUIPMENT</i>				<i>16.430/sf</i>
		<i>191,796.00</i>	<i>sf</i>	<i>3,151,278</i>
	12.048 Labor hours			
<hr/>				
<i>E20</i>	<i>FURNISHINGS</i>			
<hr/>				
<i>E2010</i>	<i>Fixed Furnishings</i>			
<hr/>				
<i>06-2000.000</i>	<i>FINISH CARPENTRY</i>			
	2 Typical Base Cabinets w/PLAM Tops	315.00	lf	159,276
	2 Typical Wall Cabinets	158.00	lf	76,435
	2 Worktops w/Brackets - PLAM	61.00	lf	15,250
	2 Typical Tall Cabinets	560.00	lf	504,000
	2 Solid Surface Worktops w/Brackets	55.00	lf	16,500
	<i>FINISH CARPENTRY</i>		<i>4.022/sf</i>	<i>771,461</i>
		<i>191,796.00</i>	<i>sf</i>	
<hr/>				
<i>12-0000.000</i>	<i>FIXED FURNISHINGS</i>			
	2 Manual Roller Shades, Curtainwall / Windows	15,099.00	sf	196,287
	2 Motorized Shades at Gym	1,320.00	sf	23,760
	2 Motorized Shades at Auditorium	340.00	sf	6,120
	2 Motorized Shades at Cafeteria	1,506.00	sf	27,108
	001 Lab Casework - Wood Casework, Epoxy Tops			
	001 Base Cabinets w/Epoxy Tops	690.00	lf	759,000
	001 Wall Cabinets	155.00	lf	108,500
	001 Drying Racks	24.00	ea	6,000
	001 Wall Shelving	42.00	lf	16,800
	001 Lab Tables & Seats - NIC			
	001 Lab Safety Cabinets	8.00	ea	9,600
	40 Auditorium Seating	498.00	seats	225,000
	10 Gymnasium Telescopic Bleachers	1.00	ls	160,000
	<i>FIXED FURNISHINGS</i>		<i>8.020/sf</i>	<i>1,538,175</i>
		<i>191,796.00</i>	<i>sf</i>	
	249.00 Labor hours			
<hr/>				
<i>E2010 Fixed Furnishings</i>				<i>12.042/sf</i>
		<i>191,796.00</i>	<i>sf</i>	<i>2,309,636</i>
	249.00 Labor hours			

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total
				Amount
<i>E20 FURNISHINGS</i>				<i>12.042/sf</i>
				2,309,636
	191,796.00	sf		
	249.00	Labor hours		
E EQUIPMENT AND FURNISHINGS				28.473/sf
				5,460,914
	191,796.00	sf		
	261.048	Labor hours		
F	SPECIAL CONSTRUCTION AND DEMOLITION			
<i>F10</i>	<i>SPECIAL CONSTRUCTION</i>			
<i>F1020</i>	<i>Special Structures</i>			
13-0000.000	<i>SPECIAL CONSTRUCTION</i>			
10	Greenhouse Structure	220.00	sf	185.00 /sf
	<i>SPECIAL CONSTRUCTION</i>			40,700
				0.212/sf
	191,796.00	sf		40,700
	220.00	Labor hours		
<i>F1020 Special Structures</i>				<i>0.212/sf</i>
				<i>40,700</i>
	191,796.00	sf		
	220.00	Labor hours		
<i>F10 SPECIAL CONSTRUCTION</i>				<i>0.212/sf</i>
				<i>40,700</i>
	191,796.00	sf		
	220.00	Labor hours		
<i>F20</i>	<i>SELECTIVE BUILDING DEMOLITION</i>			
<i>F2010</i>	<i>Building Demolition</i>			
02-0000.000	<i>EXISTING CONDITIONS & DEMO</i>			
110	Existing Building Demolition	1.00	ls	1,750,000.00 /ls
	<i>EXISTING CONDITIONS & DEMO</i>			9.124/sf
	1,750,000			1,750,000
	191,796.00	sf		

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	Amount
	<i>F2010 Building Demolition</i>			<i>9.124/sf</i>	<i>1,750,000</i>
	<i>191,796.00 sf</i>				
<hr/>					
<i>F2020</i>	<i>Hazardous Components Abatement</i>				
<hr/>					
<i>02-0000.000</i>	<i>EXISTING CONDITIONS & DEMO</i>				
30	Hazmat Abatement Per Smith & Wessel Report	1.00	ls	1,303,038.00 /ls	1,303,038
30	Lead Abatement Per Smith & Wessel Report	1.00	ls	5,000.00 /ls	5,000
30	PCB Abatement Per Smith & Wessel Report	1.00	ls	10,000.00 /ls	10,000
30	Mercury Abatement Per Smith & Wessel Report	1.00	ls	8,000.00 /ls	8,000
30	Misc. Abatement Per Smith & Wessel Report	1.00	ls	8,000.00 /ls	8,000
30	Premium Time	1.00	ls	100,000.000 /ls	100,000
	<i>EXISTING CONDITIONS & DEMO</i>			<i>7.477/sf</i>	<i>1,434,038</i>
	<i>191,796.00 sf</i>				
	<i>F2020 Hazardous Components Abatement</i>			<i>7.477/sf</i>	<i>1,434,038</i>
	<i>191,796.00 sf</i>				
	<i>F20 SELECTIVE BUILDING DEMOLITION</i>			<i>16.601/sf</i>	<i>3,184,038</i>
	<i>191,796.00 sf</i>				
	F SPECIAL CONSTRUCTION AND DEMOLITION			16.813/sf	3,224,738
	191,796.00 sf				
	220.00 Labor hours				
<hr/>					
G	SITWORK				
<hr/>					
<i>G10</i>	<i>SITE PREPARATION</i>				
<hr/>					
<i>G1010</i>	<i>Site Preparation</i>				
<hr/>					
<i>31-0000.000</i>	<i>EARTHWORK</i>				
20	Track & Field Water Cannons				
20	Trench Excavate & Backfill	85.00	cy	35.00 /cy	2,975
20	Sand Bedding	10.00	cy	50.00 /cy	500
20	2" Copper Pipe	100.00	lf	40.00 /lf	4,000
20	2" Curb Stops	2.00	ea	3,000.00 /ea	6,000
20	2" Tap & Corp	2.00	ea	3,000.00 /ea	6,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
31-0000.000	EARTHWORK				
20	Warning Tape	100.00 lf	0.15 /lf		15
20	Temporary Water (Domestic & Fire)				
20	Trench Excavate & Backfill	500.00 cy	35.00 /cy		17,500
20	Sand Bedding	120.00 cy	50.00 /cy		6,000
20	8" D.I. Pipe	160.00 lf	90.00 /lf		14,400
20	6" D.I. Pipe	400.00 lf	65.00 /lf		26,000
20	Fire Hydrant	2.00 ea	7,000.00 /ea		14,000
20	8" Gate Valve & Box	1.00 ea	4,000.00 /ea		4,000
20	Warning Tape	560.00 lf	0.15 /lf		84
20	Clean, Test, Disinfect	1.00 ls	2,500.00 /ls		2,500
20	Remove All Temp Water at Completion	1.00 ls	30,000.00 /ls		30,000
20	Temp Sanitary Sewer				
20	Trench Excavate & Backfill	185.00 cy	35.00 /cy		6,475
20	Pipe Bedding	30.00 cy	60.00 /cy		1,800
20	8" PVC Pipe	140.00 lf	26.00 /lf		3,640
20	Sewer MH	2.00 ea	5,000.00 /ea		10,000
20	Warning Tape	140.00 lf	0.15 /lf		21
20	Remove All Temp Sanitary at Completion	1.00 ls	10,000.00 /ls		10,000
20	Relocate Fiber Optic - Trenching	1,200.00 lf	35.00 /lf		42,000
20	Patch Pavement At Relocations	50.00 ton	250.00 /ton		12,500
20	Temporary Drain Basin At Existing Tennis Court				
20	Grade Temp Drain Basin	600.00 cy	10.00 /cy		6,000
20	Tie In To Existing Drain Structures	4.00 ea	500.00 /ea		2,000
20	Manhole	1.00 ea	5,000.00 /ea		5,000
20	Outlet Structure	1.00 ea	6,500.00 /ea		6,500
20	12" HDPE Pipe (E & B Included)	675.00 lf	50.00 /lf		33,750
20	Patch Paving	50.00 tn	200.00 /tn		10,000
20	Loam, Seed & Protect	10,000.00 sf	2.50 /sf		25,000
20	Outlet Structure	1.00 ea	750.00 /ea		750
20	12" HDPE Pipe (E & B Included)	300.00 lf	35.00 /lf		10,500
20	Construction Fencing Phase 1&2				
20	CL Fence - Driven Posts 8' High w/ Scrim	7,000.00 lf	40.00 /lf		280,000
20	CL Fence - Movable 8' High w/ Scrim	1,350.00 lf	30.00 /lf		40,500
20	Jersey Barriers w/ Fence & Scrim	300.00 lf	70.00 /lf		21,000
20	Miscellaneous Jersey Barriers	100.00 lf	50.00 /lf		5,000
20	Standard Gates	9.00 ea	1,750.00 /ea		15,750
20	Remove & Reset Driven Fence Summer 2026	4,900.00 lf	10.00 /lf		49,000
20	Remove PH 1 & PH 2 Fence	2,350.00 lf	5.00 /lf		11,750
20	Remove Summer 2026 Fence	4,900.00 lf	6.00 /lf		29,400
20	Temporary Signage	1.00 lf	5,000.00 /lf		5,000
20	Temporary School Parking - (65,000 sf)				
20	Tie In To Existing Drainage Pipe	2.00 ea	1,000.00 /ea		2,000
20	Double Catch Basins	2.00 ea	6,500.00 /ea		13,000
20	Subgrade Parking Lot	65,000.00 sf	0.40 /sf		26,000
20	Gravel Base - 8"	1,600.00 cy	35.00 /cy		56,000
20	Finegrading	65,000.00 sf	0.25 /sf		16,250
20	Bituminous Concrete Binder - 2"	810.00 tn	175.00 /tn		141,750
20	Bituminous Berm	700.00 lf	12.00 /lf		8,400
20	Line Striping Spaces	154.00 ea	15.00 /ea		2,310
20	Line Striping Handicap Symbols	5.00 ea	110.00 /ea		550
20	Line Striping Cross Hatched Areas	480.00 sf	0.50 /sf		240

East Longmeadow High School

			Total	
Item	Description	Takeoff Qty	Unit Cost	Amount
31-0000.000	EARTHWORK			
20	Loam, Seed & Protect	3,000.00	2.50 /sf	7,500
20	Remove Double Catch Basins	2.00	750.00 /ea	1,500
20	Remove 12" HDPE Pipe (E & B Included)	300.00	35.00 /lf	10,500
20	Remove Bituminous Concrete Binder - 2"	385.00	100.00 /cy	38,500
20	Gravel Base - Strip to Use On Site	1,600.00	15.00 /cy	24,000
20	Prepare & Pave Temporary Walk Off Maple Street (1,800 sf)			
20	Clean Brush	1.00	500.00 /ls	500
20	Remove Existing Walk	16.00	125.00 /cy	2,000
20	Finegrade	1,800.00	1.00 /sf	1,800
20	Bituminous Concrete - 2"	22.00	250.00 /tn	5,500
20	Temporary Access Drive, Trash Access & Office Trailer Area (72,000 sf)			
20	Adjust Castings	5.00	500.00 /ea	2,500
20	Subgrading	7,200.00	0.50 /sf	3,600
20	Gravel Base - 12"	3,335.00	35.00 /cy	116,725
20	Finegrading	72,000.00	0.30 /sf	21,600
20	Bituminous Concrete Binder - 2"	900.00	175.00 /tn	157,500
20	Remove Bituminous Concrete Binder - 2"	425.00	100.00 /cy	42,500
20	Gravel Base - Strip to Use On Site	3,335.00	15.00 /cy	50,025
20	Temp Contractors Parking (57,000 sf)			
20	Subgrade Lot	57,000.00	0.40 /sf	22,800
20	Gravel Base - 8"	1,800.00	20.00 /cy	36,000
20	Finegrading	57,000.00	0.25 /sf	14,250
20	Bituminous Concrete Binder - 2"	710.00	175.00 /tn	124,250
20	Line Striping, Spaces	195.00	15.00 /ea	2,925
20	Remove Bituminous Concrete Binder - 2"	340.00	100.00 /cy	34,000
20	Gravel Base - Strip to Use On Site	1,800.00	15.00 /cy	27,000
20	Pergola Footings (2'x2'x4')	16.00	900.00 /ea	14,400
20	G1010.30 Tree and Shrub Removal and Trimming			
20	Protect Existing Trees	10.00	250.00 /ea	2,500
20	Bark Mulch To Protect Existing	20.00	75.00 /cy	1,500
20	Tree Clearing - Areas	0.55	25,000.00 /ac	13,750
20	Grub Vegetation	4,600.00	1.00 /sf	4,600
20	R&D Trees	15.00	2,000.00 /ea	30,000
20	R&D Shrubs	10.00	150.00 /ea	1,500
20	Interior Courtyard - R&D Tree's	6.00	2,500.00 /ea	15,000
20	G1010.50 Earth Stripping and Stockpiling			
20	PH 1	6,950.00	15.00 /cy	104,250
20	PH 2	16,056.00	15.00 /cy	240,840
20	Protect Stockpiles	1.00	5,000.00 /ls	5,000
20	Strip Reclaimed Asphalt	6,000.00	15.00 /cy	90,000
20	Strip Existing Infield Mix	320.00	15.00 /cy	4,800
20	Utility Demolition			
20	R&D Water Pipe Asbestos (Abatement By Others)	1,980.00	35.00 /lf	69,300
20	R&D Hydrants	3.00	750.00 /ea	2,250
20	R&D Sewer PVC Pipe	965.00	35.00 /lf	33,775
20	R&D Sewer Pipe Asbestos (Abatement By Others)	1,658.00	35.00 /lf	58,030
20	R&D Sewer Manholes	14.00	750.00 /ea	10,500
20	R&D Drainage Drain Pipe	2,185.00	35.00 /lf	76,475

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
31-0000.000	EARTHWORK				
20	R&D Drainage Drain RC Pipe	1,725.00 lf	35.00 /lf	60,375	
20	R&D Drainage Drain PVC Pipe	588.00 lf	35.00 /lf	20,580	
20	R&D Drainage Drain Structures	35.00 ea	750.00 /ea	26,250	
20	R&D 10,000 Gallon Fuel Storage Tank	1.00 ls	20,000.00 /ls	20,000	
20	R&D 20,000 Gallon Fuel Storage Tank	1.00 ls	30,000.00 /ls	30,000	
20	R&D Fiber Optic Pipe	675.00 lf	25.00 /lf	16,875	
20	R&D Gas Pipe	1,235.00 lf	25.00 /lf	30,875	
20	R&D Duct Banks	360.00 lf	45.00 /lf	16,200	
20	R&D Site Lighting	1,950.00 lf	15.00 /lf	29,250	
20	Salvage Tennis Court LP Bases	8.00 ea	500.00 /ea	4,000	
20	Irrigation Systems	1.00 ls	5,000.00 /ls	5,000	
20	Selective Site Demolition				
20	Sawcut Pavement	250.00 lf	5.00 /lf	1,250	
20	Remove & Dispose				
20	Smoke Shack	1.00 ea	500.00 /ea	500	
20	Chain Link Fence	3,550.00 lf	12.00 /lf	42,600	
20	Wood Guard Rail	2,250.00 lf	15.00 /lf	33,750	
20	Tennis Court Post/Nets	6.00 ea	250.00 /ea	1,500	
20	Utility Kiosk	1.00 ls	750.00 /ls	750	
20	Bull Pen	1.00 ea	1,500.00 /ea	1,500	
20	Goal Post	2.00 ea	150.00 /ea	300	
20	Score Board	1.00 ea	1,500.00 /ea	1,500	
20	Concrete Walks	82.00 cy	115.00 /cy	9,430	
20	Asphalt Walks	194.00 cy	100.00 /cy	19,400	
20	Reclaim Asphalt Drives, Parking & Tennis	30,550.00 sy	2.00 /sy	61,100	
20	Granite Curb	3,390.00 lf	12.434 /lf	42,150	
20	Remove & Salvage				
20	Wood Guardrail	400.00 lf	20.00 /lf	8,000	
20	Garden Structures	3.00 ea	325.00 /ea	975	
20	Granite Plaque	2.00 ea	250.00 /ea	500	
20	Dedication Pavers	1,175.00 sf	10.00 /sf	11,750	
20	Unit Pavers	600.00 sf	2.00 /sf	1,200	
20	Benches	26.00 ea	100.00 /ea	2,600	
20	Red Stone Sign	1.00 ea	250.00 /ea	250	
20	Traffic Signs	50.00 ea	75.00 /ea	3,750	
20	Conex Box 40'	2.00 ea	750.00 /ea	1,500	
20	Precast Wall - 6 pcs (15' High x 6.5' Wide)	6.00 ea	2,000.00 /ea	12,000	
20	Turf	3,200.00 sf	0.50 /sf	1,600	
20	Soccer Goals	5.00 ea	250.00 /ea	1,250	
20	Batting Cage	1.00 ea	2,500.00 /ea	2,500	
20	Bleachers	7.00 ea	1,000.00 /ea	7,000	
20	Storage Container	2.00 ea	750.00 /ea	1,500	
20	Tables	8.00 ea	500.00 /ea	4,000	
20	Planters	9.00 ea	500.00 /ea	4,500	
20	Bird Bath	1.00 ea	150.00 /ea	150	
20	General Requirements				
20	Layout/As-Builts	1.00 ls	15,000.00 /ls	15,000	
20	Snow Plowing (2 Seasons)	2.00 ea	25,000.00 /ea	50,000	
20	Sub bond	1.00 ls	115,000.00 /ls	115,000	
20	Rephasing Sitework	1.00 ls	100,000.00 /ls	100,000	
20	Soil Classification Costs	1.00 ls	50,000.00 /ls	50,000	

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
31-0000.000	EARTHWORK			
10	Trench Permit	1.00	500.00 /ls	500
10	Dewatering	1.00	10,000.00 /ls	10,000
10	Shoring	1.00	25,000.00 /ls	25,000
	EARTHWORK		<u>18.120/sf</u>	<u>3,475,415</u>
	191,796.00 sf			
G1010 Site Preparation				18.120/sf
	191,796.00 sf			3,475,415

G1030	Site Earthwork			
31-0000.000	EARTHWORK			
10	Grading Phase 1			
10	Site Cut	1,690.00	10.00 /cy	16,900
10	Site Fill	8,620.00	10.00 /cy	86,200
10	Subgrading	260,250.00	0.30 /sf	78,075
10	Grading Phase 2			
10	Site Cut	44,000.00	10.00 /cy	440,000
10	Site Fill	12,510.00	10.00 /cy	125,100
10	Subgrading	1,296,479.00	0.35 /sf	453,768
10	Dispose Excess Material - Clean Material	37,000.00	15.00 /cy	555,000
10	Interior Utility Earthwork			
10	Trench Excavation & Backfill w/ In-Situ Soils	2,800.00	45.00 /cy	126,000
10	Pipe Bedding	1,700.00	45.00 /cy	76,500
10	Foundation/Perimeter Drains			
10	4" Perforated PVC Pipe	2,410.00	8.00 /lf	19,280
10	4" PVC Fittings	50.00	75.00 /ea	3,750
10	Filter Fabric	24,050.00	0.60 /sf	14,430
10	3/4" Crushed Stone	450.00	60.00 /cy	27,000
10	Engineered Fill Backfill To Subgrade - Borrow	15,750.00	55.00 /cy	866,250
10	Haunch & Grade Beam Preparation	5,160.00	15.00 /lf	77,400
10	Processed Gravel Base Under Slab - 8"	4,270.00	65.00 /cy	277,550
10	Finegrading	137,600.00	0.50 /sf	68,800
10	Prepare For Insulation Transition From 4" to 2"	2,410.00	2.50 /lf	6,025
10	Concessions Building			
10	Footing Excavation & Backfill w/ In-Situ Soils	60.00	50.00 /cy	3,000
10	Sand & Gravel Base Course Under Ftg's & Piers - 6"	20.00	55.00 /cy	1,100
10	Trench Excavation & Backfill w/ In-Situ Soils	20.00	45.00 /cy	900
10	4" Perforated PVC Pipe	155.00	8.00 /lf	1,240
10	4" PVC Fittings	5.00	75.00 /ea	375
10	Filter Fabric	1,550.00	0.60 /sf	930
10	3/4" Crushed Stone	30.00	60.00 /cy	1,800
10	Engineered Fill Backfill To Subgrade	45.00	55.00 /cy	2,475
10	Processed Gravel Base Under Slab - 8"	45.00	65.00 /cy	2,925
10	Finegrading	1,345.00	1.50 /sf	2,018
10	Erosion and Sedimentation Controls			

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
31-0000.000	EARTHWORK				
10	DEP Sign	1.00 ls	500.00 /ls		500
10	SWPPP	1.00 ls	5,000.00 /ls		5,000
10	NOI	1.00 ls	500.00 /ls		500
10	Silt Fence	7,550.00 lf	7.00 /lf		52,850
10	Compost Wattles - 12"	7,550.00 lf	10.00 /lf		75,500
10	Protect Catch Basins	60.00 ea	300.00 /ea		18,000
10	Tracking Pads 3 each	200.00 cy	75.00 /cy		15,000
10	Dust Control	1.00 ls	20,000.00 /ls		20,000
10	Street Sweeping	1.00 ls	20,000.00 /ls		20,000
10	Concrete Washout Areas	1.00 ls	5,000.00 /ls		5,000
10	Protect Stockpiles	1.00 ls	2,500.00 /ls		2,500
10	Temporary Swales	2,000.00 lf	4.00 /lf		8,000
10	Temporary Basins	15,000.00 sf	1.50 /sf		22,500
10	Temporary Seed	10,000.00 sf	0.25 /sf		2,500
10	Maintain Controls	1.00 ls	35,000.00 /ls		35,000
10	Remove & Dispose Controls	1.00 ls	25,000.00 /ls		25,000
10	Site Market Reduction	-1.00 ls	2,000,000.00 /ls		(2,000,000)
	EARTHWORK		8.565/sf		1,642,640
	191,796.00 sf				
	G1030 Site Earthwork		8.565/sf		1,642,640
	191,796.00 sf				
	G10 SITE PREPARATION		26.685/sf		5,118,055
	191,796.00 sf				
G20	SITE IMPROVEMENTS				
G2020	Parking Lots & Roadways				
32-0000.000	EXTERIOR IMPROVEMENTS				
25	Bituminous Drives & Parking				
25	Spread Reclaimed Material	6,800.00 cy	15.00 /cy		102,000
25	Borrow Gravel	5,610.00 cy	45.00 /cy		252,450
25	Finegrading	255,127.00 sf	0.25 /sf		63,782
25	Roadway Pavement				
25	Heavy Duty Pavement - 4 1/2"	2,900.00 tn	180.00 /tn		522,000
25	Tack Coat	500.00 gl	18.00 /gl		9,000
25	6" HDPE Perf Pipe	840.00 lf	15.00 /lf		12,600
25	1 1/2" Stone - 2"	75.00 cy	60.00 /cy		4,500
25	Bankrun Gravel - 6"	230.00 cy	45.00 /cy		10,350
25	3/4" Stone - 12"	460.00 cy	60.00 /cy		27,600
25	Finegrading	10,000.00 sf	1.00 /sf		10,000
25	Porous Asphalt Pavement - 4"	288.00 tn	285.00 /tn		82,080

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
32-0000.000	<i>EXTERIOR IMPROVEMENTS</i>				
25	Reinforced Turf				
25	Geotextile Fabric	7,000.00	sf	0.60 /sf	4,200
25	Poly Geogrid - 2"	7,600.00	sf	12.00 /sf	91,200
25	Gravel Base	155.00	cy	50.00 /cy	7,750
25	Finegrading	6,700.00	sf	1.00 /sf	6,700
25	Fill Geogrid With Topsoil	50.00	cy	100.00 /cy	5,000
10	Straight	12,500.00	lf	50.00 /lf	625,000
10	Radius	1,925.00	lf	55.00 /lf	105,875
10	Access Granite Curb w/ Beveled Edge	50.00	lf	100.00 /lf	5,000
10	Concrete Backing	805.00	cy	200.00 /cy	161,000
10	Maple St.				
10	Traffic Control	2.00	dy	750.00 /dy	1,500
10	Sawcut Pavement	250.00	lf	5.00 /lf	1,250
10	Excavate Curb	245.00	lf	15.00 /lf	3,675
10	Straight	245.00	lf	55.00 /lf	13,475
10	Concrete Backing	15.00	cy	200.00 /cy	3,000
10	Parking Lot Pavement				
10	Standard Duty Pavement - 4"	4,020.00	tn	180.00 /tn	723,600
10	Tack Coat	855.00	gl	16.00 /gl	13,680
6	Roadway Striping				
6	Double Lines	1,105.00	lf	4.00 /lf	4,420
6	Single Lines	700.00	lf	2.25 /lf	1,575
6	STOP	16.00	ea	100.00 /ea	1,600
6	DO NOT ENTER	1.00	ea	150.00 /ea	150
6	Repaint Existing Lines				
6	Crosswalks 8' - 10' Wide	235.00	lf	10.00 /lf	2,350
6	Stop Bars - 12" W x 12' L	16.00	ea	75.00 /ea	1,200
6	Arrows	24.00	ea	100.00 /ea	2,400
6	Repaint Existing Lines				
6	Crosswalks 8' - 10' Wide	235.00	lf	10.00 /lf	2,350
6	Stop Bars - 12" W x 12' L	16.00	ea	75.00 /ea	1,200
6	Arrows	24.00	ea	100.00 /ea	2,400
6	Pavement Markings - Maple Street				
6	Traffic Control	1.00	dy	750.00 /dy	750
6	Crosswalks 10' Wide	110.00	lf	12.00 /lf	1,320
6	Stop Bars - 12" W x 12' L	2.00	ea	150.00 /ea	300
6	Pavement Markings				
6	Spaces	464.00	ea	15.00 /ea	6,960
6	Handicap Symbols	18.00	ea	100.00 /ea	1,800
6	Crosshatched Areas	3,425.00	sf	0.75 /sf	2,569
6	Arrows	28.00	ea	100.00 /ea	2,800
6	EV	10.00	ea	100.00 /ea	1,000
6	Precast Wheelstops	31.00	ea	250.00 /ea	7,750
6	Traffic Signs	132.00	ea	350.00 /ea	46,200
	<i>EXTERIOR IMPROVEMENTS</i>			15.430/sf	2,959,361
	191,796.00 sf				

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
				Total
<i>G2020 Parking Lots & Roadways</i>				<i>15.430/sf</i>
				<i>2,959,361</i>
<i>191,796.00 sf</i>				
<i>G2030 Pedestrian Paving</i>				
<i>32-0000.000</i>	<i>EXTERIOR IMPROVEMENTS</i>			
25	Bituminous Walks			
25	Bituminous Walks - 3"	140.00	tn	250.00 /tn
25	Site Concrete Walks, Pads & Paving			35,000
25	Gravel Base Courses	3,735.00	cy	50.00 /cy
25	Finegrading	82,845.00	sf	1.25 /sf
25	Unit Pavers			186,750
25	Geotextile Fabric	2,500.00	sf	0.60 /sf
25	3/4" Crushed stone	151.00	sf	60.00 /sf
25	Finegrading	2,200.00	sf	1.50 /sf
30	Permeable Pavers			103,556
30	Geotextile Fabric	11,000.00	sf	0.60 /sf
30	#8 Stone - 2"	80.00	cy	65.00 /cy
30	#57 Stone - 4"	165.00	cy	60.00 /cy
30	#2 Stone - 6"	245.00	cy	60.00 /cy
30	Finegrading	11,000.00	sf	1.75 /sf
30	Precast Pavers			19,250
30	Geotextile Fabric	600.00	sf	0.60 /sf
30	Crushed Stone - 6"	40.00	cy	75.00 /cy
30	Sand	8.00	cy	75.00 /cy
30	Precast Pervious Pavers at Parking Areas	11,000.00	sf	35.00 /sf
30	Precast Unit Pavers w/ polymeric sand at Site Walkways	2,200.00	sf	20.00 /sf
30	Finegrading	600.00	sf	2.00 /sf
30	Stone Surfacing			1,200
30	Geotextile Fabric	3,500.00	sf	0.60 /sf
30	Crushed Stone - 6"	75.00	cy	75.00 /cy
30	Metal Edging	265.00	lf	0.60 /lf
30	Finegrading	3,500.00	sf	1.50 /sf
30	Outdoor Classroom Areas			5,250
30	Geotextile Fabric	500.00	sf	0.60 /sf
30	Crushed Stone - 6"	15.00	cy	75.00 /cy
30	Finegrading	500.00	sf	1.50 /sf
30	Stone Dust Walking Paths			750
30	Geotextile Fabric	30,000.00	sf	0.60 /sf
30	Crushed Stone - 6"	420.00	cy	65.00 /cy
30	Stone Dust With Tackifier - 3"	160.00	cy	125.00 /cy
30	Finegrading	27,000.00	sf	1.25 /sf
30	Maple St.			33,750
30	Traffic Control	2.00	dy	750.00 /dy
30	Sawcut Pavement	20.00	lf	5.00 /lf
30	Remove Existing Walk	2.00	cy	200.00 /cy
30	Subgrade Areas	15.00	cy	50.00 /cy
30	Gravel Base Course	13.00	cy	75.00 /cy

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
				Total
32-0000.000	<i>EXTERIOR IMPROVEMENTS</i>			
30	Finegrade	275.00	2.00 /sf	550
30	Repair Bituminous Berm	10.00	100.00 /lf	1,000
30	Repair Disturbed Areas	500.00	2.00 /sf	1,000
30	Finegrading	600.00	2.00 /sf	1,200
30	Stone Surfacing			
30	Geotextile Fabric	3,500.00	0.60 /sf	2,100
30	Crushed Stone - 6"	75.00	75.00 /cy	5,625
30	Metal Edging	265.00	0.60 /lf	159
30	Finegrading	3,500.00	1.50 /sf	5,250
30	Outdoor Classroom Areas			
30	Geotextile Fabric	500.00	0.60 /sf	300
30	Crushed Stone - 6"	15.00	75.00 /cy	1,125
30	Finegrading	500.00	1.50 /sf	750
30	Stone Dust Walking Paths			
30	Geotextile Fabric	30,000.00	0.60 /sf	18,000
30	Crushed Stone - 6"	420.00	65.00 /cy	27,300
30	Stone Dust With Tackifier - 3"	160.00	125.00 /cy	20,000
30	Finegrading	27,000.00	1.25 /sf	33,750
30	Maple St.			
30	Traffic Control	2.00	750.00 /dy	1,500
30	Sawcut Pavement	20.00	5.00 /lf	100
30	Remove Existing Walk	2.00	200.00 /cy	400
30	Subgrade Areas	15.00	50.00 /cy	750
30	Gravel Base Course	13.00	75.00 /cy	975
30	Finegrade	275.00	2.00 /sf	550
30	Repair Bituminous Berm	10.00	100.00 /lf	1,000
30	Repair Disturbed Areas	500.00	2.00 /sf	1,000
	<i>EXTERIOR IMPROVEMENTS</i>		<i>5.586/sf</i>	<i>1,071,444</i>
	<i>191,796.00 sf</i>			
<hr/>				
	<i>G2030 Pedestrian Paving</i>		<i>5.586/sf</i>	<i>1,071,444</i>
	<i>191,796.00 sf</i>			
<hr/>				
G2031	Site Concrete			
32-0000.000	<i>EXTERIOR IMPROVEMENTS</i>			
005	Site Foundation Walls	9,254.00	26.50 /sf	245,231
005	Site Flatwork	76,341.00	20.00 /sf	1,526,820
005	Site Concrete for Bioretention Bridge	1.00	60,000.00 /ls	60,000
	<i>EXTERIOR IMPROVEMENTS</i>		<i>9.552/sf</i>	<i>1,832,051</i>
	<i>191,796.00 sf</i>			

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
				Total
	<i>G2031 Site Concrete</i>		<i>9.552/sf</i>	<i>1,832,051</i>
	<i>191,796.00 sf</i>			
<hr/>				
<i>G2040</i>	<i>Site Development</i>			
<hr/>				
<i>05-0000.000</i>	<i>METALS</i>			
	10 Bollard - Bus Drop Off - 6" Dia. x 36" Type B	95.00	ea	1,250.00 /ea
	10 Bollard - Loading Dock & Transformer - 6" Dia. x 48"	9.00	ea	1,250.00 /ea
	<i>METALS</i>		<i>0.678/sf</i>	<i>130,000</i>
	<i>191,796.00 sf</i>			
<hr/>				
<i>31-0000.000</i>	<i>EARTHWORK</i>			
	10 Batting Cage Areas / Artificial Turf			
	10 Geotextile Fabric	4,000.00	sf	0.512 /sf
	10 Crushed Stone	90.00	cy	65.00 /cy
	10 Finegrade	3,700.00	sf	1.75 /sf
	10 Prefabricated Press Box			
	10 Footing Excavation & Backfill	70.00	cy	50.00 /cy
	10 Haunch Excavation	400.00	lf	12.00 /lf
	10 Gravel Base Course	65.00	cy	75.00 /cy
	10 Finegrade	2,785.00	sf	2.00 /sf
	10 Prefabricated Press Box, 10'x36', 12-ft above grade	1.00	ls	150,000.00 /ls
	10 Accessible Steel Ramp System to Press Box w/ landings and rails	1.00	ls	40,000.00 /ls
	<i>EARTHWORK</i>		<i>1.163/sf</i>	<i>223,119</i>
	<i>191,796.00 sf</i>			
<hr/>				
<i>32-0000.000</i>	<i>EXTERIOR IMPROVEMENTS</i>			
	170 Site Walls			
	170 Excavation	130.00	lf	35.00 /lf
	170 Gravel Base	10.00	lf	75.00 /lf
	170 Backfill	300.00	lf	35.00 /lf
	170 Prepare for Seat & Planter Walls			
	170 Excavation & Base Course	72.00	cy	85.00 /cy
	170 Finegrading	2,320.00	sf	1.75 /sf
	25 Tennis & Basketball Courts			
	25 Gravel Base Courses	2,435.00	cy	50.00 /cy
	25 Finegrading	52,550.00	sf	0.75 /sf
	25 Tennis Courts			
	25 Bituminous Concrete - 4"	1,000.00	tn	215.00 /tn
	25 Tack Coat	215.00	gl	30.00 /gl
	25 Excavate & Backfill Bases	12.00	ea	350.00 /ea

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
32-0000.000	<i>EXTERIOR IMPROVEMENTS</i>			
25	Acrylic coats, line paint at Tennis and Basketball Courts	18,400.00 ea	2.50 /ea	46,000
25	Basketball Courts			
25	Bituminous Concrete - 4"	360.00 tn	230.00 /tn	82,800
25	Tack Coat	80.00 gl	35.00 /gl	2,800
25	Excavate & Backfill Bases	4.00 ea	350.00 /ea	1,400
25	Mow Strip			
25	Metal Edging	1,110.00 lf	25.00 /lf	27,750
25	Geotextile	11,150.00 sf	0.65 /sf	7,248
25	Crushed Stone	55.00 cy	100.00 /cy	5,500
25	Decomposed Granite	26.00 cy	150.00 /cy	3,900
25	Tackifier	6,660.00 sf	0.50 /sf	3,330
001	Safety netting	1.00 ls	16,000.00 /ls	16,000
001	Lacrosse Equipment	1.00 ls	2,075.00 /ls	2,075
001	Tennis Equipment	1.00 ls	6,600.00 /ls	6,600
001	Football Equipment	1.00 ls	17,600.00 /ls	17,600
001	Soccer Equipment	1.00 ls	9,200.00 /ls	9,200
001	Baseball / Softball Equipment	1.00 ls	27,000.00 /ls	27,000
001	Basketball Goals	1.00 ls	13,000.00 /ls	13,000
001	Benches	1.00 ls	12,800.00 /ls	12,800
001	Freight	1.00 ls	3,000.00 /ls	3,000
001	Installation - L&E			
20	Rubber Play Surface - Site Work			
20	Excavate & Backfill Edging w/ Footing	20.00 cy	30.00 /cy	600
20	Gravel Base Course - 6"	8.00 cy	75.00 /cy	600
20	Crushed Stone Base - 4"	20.00 cy	85.00 /cy	1,700
20	Dense Graded Aggregate Base - 4"	20.00 cy	85.00 /cy	1,700
20	Finegrading	1,115.00 sf	1.75 /sf	1,951
20	Baseball & Softball Fields			
20	Gravel Base -18" - For Conc Pads	490.00 cy	50.00 /cy	24,500
20	Finegrading	7,000.00 sf	1.75 /sf	12,250
20	Electronic Scoreboards			
20	Excavate & Backfill Support Bases	6.00 ea	350.00 /ea	2,100
20	Foul Poles			
20	Excavate & Backfill	8.00 ea	350.00 /ea	2,800
20	Supply & Spread Skinned Infield Mix			
20	Processed Gravel - 4"	1,150.00 sf	50.00 /sf	57,500
20	Granular Fill - 4"	1,150.00 sf	45.00 /sf	51,750
20	Infield Mix	1,700.00 sf	125.00 /sf	212,500
20	Finegrade	74,200.00 sf	1.00 /sf	74,200
20	Goal Posts			
20	Excavate & Backfill	2.00 ea	350.00 /ea	700
20	Reinstall Salvaged Items - Practice Wall			
20	Strip Topsoil	120.00 cy	20.00 /cy	2,400
20	Install Salvaged Precast Wall Pieces	6.00 ea	1,500.00 /ea	9,000
20	Re-install Salvaged Dedication Pavers (132) 4"x8" and (80) 8"x8"	65.00 sf	30.00 /sf	1,950
20	Gravel Base Course	155.00 cy	60.00 /cy	9,300
20	Finegrading	3,550.00 sf	1.50 /sf	5,325
20	Rehab Area Disturbed	6,000.00 sf	1.25 /sf	7,500
20	Stone Leveling Course - 2"	30.00 cy	65.00 /cy	1,950

East Longmeadow High School

			Total	
Item	Description	Takeoff Qty	Unit Cost	Amount
32-0000.000	<i>EXTERIOR IMPROVEMENTS</i>			
20	Rubber Play Surface			
20	Playground Surfacing - 3" depth, 2-layer rubber poured-in-place with 2' play hill	1,100.00	45.00 /sf	49,500
001	Bioretention Bridge, 56'	1.00	65,000.00 /ls	65,000
001	Bicycle Racks (35) hop style 2 capacity racks, 27" high x 25" diameter, powdercoat	35.00	875.00 /ea	30,625
001	Flexible Seating (13) sets - Freestanding table and chairs	13.00	1,000.00 /ea	13,000
001	Permanent Seating (4) direct mount 72" picnic tables w/ (8) benches	4.00	2,900.00 /ea	11,600
001	Trash and Recycling Receptacles (9) 45-gal split stream cast alum.	9.00	1,925.00 /ea	17,325
001	Solar Powered Crossing Beacons			
001	Traffic Control	2.00	1,500.00 /dy	3,000
001	Excavate & Backfill Bases	4.00	1,250.00 /ea	5,000
001	Precast Bases	4.00	1,750.00 /ea	7,000
001	Beacons	4.00	16,750.00 /ea	67,000
001	Monument Sign			
001	Excavate & Backfill	25.00	75.00 /cy	1,875
001	Footing Base Course	5.00	75.00 /cy	375
001	Masonry School Identification Sign Wall	1.00	45,000.00 /ea	45,000
001	LEED Sign	1.00	500.00 /ea	500
001	Flag Pole			
001	Excavation & Backfill	1.00	750.00 /ea	750
001	Round Tables	10.00	1,250.00 /ea	12,500
001	Aluminum Chairs	50.00	500.00 /ea	25,000
001	Freight	1.00	5,000.00 /ls	5,000
001	Internal halyard flagpole (1), 35' high with 5'x10' flag	1.00	15,000.00 /ea	15,000
20	Construction Fencing - Temporary - See GC's			
20	Electronic Lift Arm Barrier Gates			
20	Excavate & Backfill Base Foundations	40.00	350.00 /cy	14,000
20	Footing Base Course - Stone	6.00	75.00 /cy	450
20	Fencing			
20	Wood Guardrail	184.00	130.435 /lf	24,000
20	Double Gate, Wood	1.00	14,000.00 /lf	14,000
20	Vehicle Lift Arm	2.00	14,500.00 /lf	29,000
20	Netting	300.00	120.00 /lf	36,000
20	8' Black Vinyl Chain Link	425.00	92.094 /lf	39,140
20	6' Black Vinyl Chain Link, Includes Fields	2,311.00	88.273 /lf	204,000
20	Backstops	4.00	11,250.00 /ea	45,000
20	4' Black Vinyl Chain Link	935.00	42.781 /lf	40,000
20	6' Black Vinyl Chain Link	703.00	48.364 /lf	34,000
20	10' Black Vinyl Chain Link	1,575.00	95.238 /lf	150,000
20	4' Ornamental Fencing	98.00	204.082 /lf	20,000
20	Wood Fencing	506.00	88.933 /lf	45,000
20	Covers and Shelters			
20	Radial Shade Structure - Streetlife Rough&Ready Curved	1,100.00	150.00 /lf	165,000
20	Pre-K Playground Storage Shed - 6'x8'	1.00	6,500.00 /ea	6,500
30	Landscape boulders	65.00	450.00 /ea	29,250

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
				Total
32-0000.000	<i>EXTERIOR IMPROVEMENTS</i>			
30	Boulder retaining row walls (2)	80.00 lf	300.00 /lf	24,000
30	Precast concrete seat walls w/ CIP concrete bases	606.00 lf	350.00 /lf	212,100
30	Reinstall "Spartan Walkway" engraved stone monument	1.00 ea	2,000.00 /ea	2,000
30	Reinstall 48" square granite Spartan logo ground plaque and 24"x12" plaque	2.00 ea	1,200.00 /ea	2,400
30	Reinstall Granite Benches	2.00 ea	1,500.00 /ea	3,000
30	Gabion Walls	0.00 NIC		
				<i>EXTERIOR IMPROVEMENTS</i>
				<i>14.062/sf</i>
				<i>2,696,961</i>
				<i>191,796.00 sf</i>
				<i>16.00 Labor hours</i>
<i>G2040 Site Development</i>				<i>15.903/sf</i>
				<i>3,050,080</i>
				<i>191,796.00 sf</i>
				<i>16.00 Labor hours</i>
<i>G2050</i>		<i>Landscaping</i>		
32-0000.000	<i>EXTERIOR IMPROVEMENTS</i>			
2	Irrigation System	435,000.00 sf	1.75 /sf	761,250
10	Planting Soil - 18"	1,650.00 cy	85.00 /cy	140,250
10	Prepare & Spread Topsoil			
10	Screen & Amend	2,300.00 cy	40.00 /cy	92,000
10	Borrow Topsoil	2,600.00 cy	50.00 /cy	130,000
10	Spread Topsoil	25,600.00 cy	15.00 /cy	384,000
5	General Lawn Areas - Seed Mix	627,000.00 sf	0.40 /sf	250,800
5	Athletic Field Lawn Areas - Seed Mix	386,500.00 sf	0.80 /sf	309,200
5	Bioretention Areas - Seed Mix	17,500.00 sf	0.45 /sf	7,875
5	Native Meadow areas - Seed Mix	16,800.00 sf	0.55 /sf	9,240
5	Artificial Turf	4,000.00 sf	12.00 /sf	48,000
				<i>EXTERIOR IMPROVEMENTS</i>
				<i>11.119/sf</i>
				<i>2,132,615</i>
				<i>191,796.00 sf</i>
<i>G2050 Landscaping</i>				<i>11.119/sf</i>
				<i>2,132,615</i>
				<i>191,796.00 sf</i>
<i>G2080</i>		<i>Landscaping</i>		
32-0000.000	<i>EXTERIOR IMPROVEMENTS</i>			
120	Large Deciduous Trees - 2.5" - 3" cal.	141.00 ea	2,500.00 /ea	352,500
120	Multi-Stem Trees - 8' - 10' HT	48.00 ea	2,000.00 /ea	96,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total		
				Unit Cost	Amount	
32-0000.000	<i>EXTERIOR IMPROVEMENTS</i>					
120	Columnar Trees - 2" - 2.5" cal.	57.00 ea	2,000.00 /ea		114,000	
120	Small / Flowering Trees - 2" - 2.5" cal.	50.00 ea	1,750.00 /ea		87,500	
120	Evergreen Trees - 8' - 10' HT	81.00 ea	1,500.00 /ea		121,500	
120	Understory Planting - 3 GAL	8,100.00 ea	35.00 /ea		283,500	
120	Planting Accessories	0.00 ea				
120	Watering for Establishment during Maintenance	1.00 ls	15,000.00 /ls		15,000	
120	Shredded Pine Bark Mulch (3" depth) at Planting Areas and Lawns	775.00 cy	75.00 /cy		58,125	
120	Bioretention Soils	1,250.00 cy	85.00 /cy		106,250	
120	Landscape Activities	0.00 ea				
120	90-day Maintenance Period	1.00 ls	60,000.00 /ls		60,000	
120	One year warranty on Plantings	1.00 ls	35,000.00 /ls		35,000	
	<i>EXTERIOR IMPROVEMENTS</i>				<u>1,329,375</u>	
	<i>G2080 Landscaping</i>				<u>1,329,375</u>	
	<i>G20 SITE IMPROVEMENTS</i>		64.521/sf		<u>12,374,926</u>	
	191,796.00 sf					
	16.00 Labor hours					
G30	<i>SITE MECHANICAL UTILITIES</i>					
G3010	<i>Water Supply</i>					
33-0000.000	<i>UTILITIES</i>					
c 4	Permits	1.00 ls	1,000.00 /ls		1,000	
c 4	Trench Protection Boxes	2.00 ea	1,500.00 /ea		3,000	
c 4	Trench Excavate & Backfill	4,400.00 cy	35.00 /cy		154,000	
c 4	Steel Sleeves Through New Foundation	1.00 ea	500.00 /ea		500	
c 4	2" Copper Pipe	300.00 lf	40.00 /lf		12,000	
c 4	2" Copper Couplings	6.00 ea	500.00 /ea		3,000	
c 4	2" Gate Valve & Box	1.00 ea	3,000.00 /ea		3,000	
c 4	6" D.I. Pipe	200.00 lf	65.00 /lf		13,000	
c 4	8" D.I. Pipe	3,600.00 lf	90.00 /lf		324,000	
c 4	6" D.I. Fittings	2.00 ea	600.00 /ea		1,200	
c 4	8" D.I. Fittings	22.00 ea	800.00 /ea		17,600	
c 4	8" D.I. Hydrant Tee	6.00 ea	1,300.00 /ea		7,800	
c 4	8" x 2" Tapping Tee	1.00 ea	1,000.00 /ea		1,000	
c 4	6" Gate Valve & Box	6.00 ea	2,500.00 /ea		15,000	
c 4	8" Gate Valve & Box	11.00 ea	4,000.00 /ea		44,000	
c 4	6" Interior Building Connection	1.00 ea	2,500.00 /ea		2,500	
c 4	Connect To Existing Meter Pit	1.00 ea	1,500.00 /ea		1,500	
c 4	Fire Hydrant	5.00 ea	7,000.00 /ea		35,000	
c 4	Restrained Joints	150.00 ea	75.00 /ea		11,250	
c 4	Thrust Blocks	34.00 ea	175.00 /ea		5,950	
c 4	Poly Wrap	4,100.00 lf	3.00 /lf		12,300	
c 4	Sand Bedding	1,555.00 cy	50.00 /cy		77,750	

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
33-0000.000	<i>UTILITIES</i>				
c 4	Warning Tape	4,100.00 lf	0.15 /lf		615
c 4	Clean, Test, Disinfect	1.00 ls	5,000.00 /ls		5,000
c 4	Fire Protection Service				
c 4	FP Contractor Observation	1.00 dy	1,500.00 /dy		1,500
c 4	Trench Excavate & Backfill	115.00 cy	35.00 /cy		4,025
c 4	Steel Sleeves Through New Foundation	1.00 ea	500.00 /ea		500
c 4	8" D.I. Pipe	120.00 lf	90.00 /lf		10,800
c 4	8" D.I. Fittings	1.00 ea	800.00 /ea		800
c 4	8" Interior Building Connection	1.00 ea	3,000.00 /ea		3,000
c 4	Restrained Joints	9.00 ea	75.00 /ea		675
c 4	Thrust Blocks	3.00 ea	175.00 /ea		525
c 4	Poly Wrap	120.00 lf	3.00 /lf		360
c 4	Sand Bedding	40.00 cy	50.00 /cy		2,000
c 4	Warning Tape	120.00 lf	0.15 /lf		18
c 4	Clean, Test, Disinfect	1.00 ls	2,500.00 /ls		2,500
c 4	as built	1.00 ls	1,000.00 /ls		1,000
	<i>UTILITIES</i>		<i>4.065/sf</i>		<i>779,668</i>
	<i>191,796.00 sf</i>				
<hr/>					
	<i>G3010 Water Supply</i>		<i>4.065/sf</i>		<i>779,668</i>
	<i>191,796.00 sf</i>				

G3020 **Sanitary Sewer**

33-0000.000	<i>UTILITIES</i>				
8	Trench Protection	3.00 ea	1,500.00 /ea		4,500
8	Trench Excavate & Backfill	4,265.00 cy	35.00 /cy		149,275
8	Stone Bedding	780.00 cy	65.00 /cy		50,700
8	4" D.I. Pipe	220.00 lf	80.00 /lf		17,600
8	4" D.I. Fittings	3.00 ea	450.00 /ea		1,350
8	6" D.I. Pipe	20.00 lf	65.00 /lf		1,300
8	6" SDR 35 PVC Pipe	1,482.00 lf	14.00 /lf		20,748
8	8" SDR 35 PVC Pipe	1,521.00 lf	26.00 /lf		39,546
8	8" SDR 35 PVC Fittings	1.00 ea	100.00 /ea		100
8	4" Sch40 PVC Pipe	280.00 lf	12.00 /lf		3,360
8	Connect to Building	9.00 ea	150.00 /ea		1,350
8	Connect to Existing SMH	1.00 ea	500.00 /ea		500
8	Warning Tape	3,280.00 lf	0.15 /lf		492
8	Clean, Test	1.00 ls	5,000.00 /ls		5,000
8	Asphalt Saw cut	250.00 lf	6.00 /lf		1,500
8	Remove & Replace Asphalt-(ROW)	1,150.00 sf	15.00 /sf		17,250
8	Sewer Manholes	18.00 ea	5,000.00 /ea		90,000
01	Sewer Pump Station	1.00 ls	85,000.00 /ls		85,000
01	Manhole Box	1.00 ls	5,000.00 /ls		5,000
01	Excavation & Backfill	40.00 cy	50.00 /cy		2,000
01	5,000 Gal Grease Trap	1.00 ea	30,000.00 /ea		30,000



East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
			Total	
	<i>UTILITIES</i>		<i>2.745/sf</i>	<i>526,571</i>
	<i>191,796.00 sf</i>			
<i>G3020 Sanitary Sewer</i>			<i>2.745/sf</i>	<i>526,571</i>
	<i>191,796.00 sf</i>			
<i>G3030 Storm Drainage System</i>				
<i>33-0000.000</i>	<i>UTILITIES</i>			
04-06	Under Drain			
04-06	Trench Excavate & Backfill	185.00	cy	6,475
04-06	Stone Bedding	185.00	cy	12,025
04-06	6" HDPE Pipe	660.00	lf	7,920
04-06	6" HDPE Fittings	2.00	ea	150
04-06	Clean Outs - Concrete Encased	5.00	ea	5,000
04-06	Subsurface Infiltration System			
04-06	Bulk Excavate	285.00	cy	4,275
04-06	Filter Fabric	5,000.00	sf	3,000
04-06	Stone Bedding	190.00	cy	12,350
04-06	Storm-Tech SC-740 Chambers	54.00	ea	45,900
04-06	Storm-Tech SC-740 End Caps	12.00	ea	3,600
04-06	Clean Outs	2.00	ea	2,000
04-06	Bioretention			
04-06	PVC Liner (Basin 1 Only)	4,600.00	sf	13,800
04-06	Sand Bedding 4"	275.00	cy	13,750
04-06	6" PVC Perf Pipe	390.00	lf	5,850
04-06	6" PVC Perf Fittings	10.00	ea	850
04-06	Geo Fabric	1,500.00	sf	900
04-06	Pea Stone 8"	555.00	cy	36,075
04-06	Storm Drainage Piping			
04-06	Trench Protection Boxes	3.00	ea	15,000
04-06	Trench Excavate & Backfill	6,350.00	cy	222,250
04-06	Utility Crossings	5.00	ea	2,500
04-06	Stone Bedding	2,450.00	cy	159,250
04-06	6" PVC Pipe	156.00	lf	2,340
04-06	8" PVC Pipe	26.00	lf	676
04-06	12" HDPE Pipe	6,620.00	lf	132,400
04-06	18" HDPE Pipe	800.00	lf	40,000
04-06	24" HDPE Pipe	1,440.00	lf	108,000
04-06	12" HDPE Fittings	4.00	ea	1,400
04-06	Connect to Existing	2.00	ea	1,500
04-06	Building Connection	4.00	ea	1,000
04-06	Warning Tape	8,050.00	lf	1,208
04-06	Trench Drain 12"	30.00	lf	18,000
04-06	Inline CB	1.00	ea	750
04-06	Clean, Test	1.00	ls	5,000
04-06	Storm Drainage Structures			
04-06	Catch Basins	34.00	ea	153,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
				Total
33-0000.000	<i>UTILITIES</i>			
04-06	Double Catch Basins	4.00 ea	5,000.00 /ea	20,000
04-06	Drain Manholes	37.00 ea	4,500.00 /ea	166,500
04-06	Outlet Control Structure	1.00 ea	8,000.00 /ea	8,000
04-06	1,500 Gal Oil-Water Separator	1.00 ea	17,500.00 /ea	17,500
04-06	Area Drain 30" Pre-Cast	11.00 ea	3,000.00 /ea	33,000
04-06	450 Gal Water Quality Unit	7.00 ea	12,000.00 /ea	84,000
04-06	900 Gal Water Quality Unit	3.00 ea	20,000.00 /ea	60,000
04-06	Area Drain 30" Pre-Cast	17.00 ea	3,000.00 /ea	51,000
04-06	Leaching Catch Basins	4.00 ea	5,000.00 /ea	20,000
	<i>UTILITIES</i>		<i>7.811/sf</i>	<i>1,498,194</i>
	<i>191,796.00 sf</i>			
<hr/>				
	<i>G3030 Storm Drainage System</i>		<i>7.811/sf</i>	<i>1,498,194</i>
	<i>191,796.00 sf</i>			
<hr/>				
	<i>G30 SITE MECHANICAL UTILITIES</i>		<i>14.622/sf</i>	<i>2,804,433</i>
	<i>191,796.00 sf</i>			
<hr/>				
<i>G40</i>	<i>SITE ELECTRICAL UTILITIES</i>			
<i>G4010</i>	<i>Site Electrical Utilities</i>			
<hr/>				
31-0000.000	<i>EARTHWORK</i>			
10	Site Electrical - Sitework			
10	Trench Excavate & Backfill	1,450.00 cy	35.00 /cy	50,750
10	Concrete Encasement	415.00 cy	300.00 /cy	124,500
10	Rebar Reinforcement	8.00 tn	2,500.00 /tn	20,000
10	Warning Tape	2,900.00 lf	0.15 /lf	435
10	Manholes/Handholes Excavation & Backfill	275.00 cy	45.00 /cy	12,375
10	Electric Manholes - (14'x7'x7'8") NG Standard	4.00 ea	25,000.00 /ea	100,000
10	Telecom Manholes 6'x6'	4.00 ea	20,000.00 /ea	80,000
10	Oil Containment @ Transformers	3.00 ea	5,000.00 /ea	15,000
10	EV Chargers			
10	Trench Excavation & Backfill	1,300.00 lf	35.00 /lf	45,500
10	Detection Tape	1,300.00 lf	0.15 /lf	195
10	EV Base Excavation & Backfill	5.00 ea	11.90 /ea	60
10	C-I-P Concrete Bases	5.00 ea	11.90 /ea	60
10	Prepare For Handholes	19.00 ea	75.00 /ea	1,425
10	Pipe Bedding	115.00 cy	50.00 /cy	5,750
10	Press Box Feed			
10	Trench Excavation & Backfill	225.00 lf	35.00 /lf	7,875
10	Detection Tape	225.00 lf	0.15 /lf	34
10	Pipe Bedding	70.00 cy	50.00 /cy	3,500
10	Building Grounding - Trench Excavation & Backfill	2,600.00 lf	15.00 /lf	39,000

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
				Total
	<i>EARTHWORK</i>		<i>2.641/sf</i>	<i>506,458</i>
	191,796.00 sf			
<hr/>				
	<i>G4010 Site Electrical Utilities</i>		<i>2.641/sf</i>	<i>506,458</i>
	191,796.00 sf			
<hr/>				
<i>G4020</i>	<i>Site Lighting</i>			
<i>33-0000.000</i>	<i>UTILITIES</i>			
008	Tennis Court Lighting			
008	Trench Excavation & Backfill	675.00	lf	27,000
008	Detection Tape	675.00	lf	101
008	Light Base Excavation & Backfill	8.00	ea	2,000
008	C-I-P Concrete Bases - Use Salvaged	8.00	ea	12,000
008	Pipe Bedding	60.00	cy	3,000
008	Site Lighting			
008	Trench Excavation & Backfill	8,550.00	lf	299,250
008	Detection Tape	8,550.00	lf	1,283
008	Light Base Excavation & Backfill	79.00	ea	19,750
008	C-I-P Concrete Bases 2'x5'	79.00	ea	67,150
008	Pipe Bedding	860.00	cy	43,000
008	Bollard Light Bases (12" Dia. x 4')	9.00	ea	5,400
008	Site Electric Placeholder	1.00	ls	
001	Electrical Site Distribution			
001	Primary service pole riser	1.00	ea	2,800
001	Primary service 2x 4" PVC Duct bank	1,178.00	lf	88,350
001	Electric manhole grounding & racking	3.00	ea	6,600
001	Precast concrete transformer base	1.00	ea	746
001	Transformer pad grounding	1.00	ea	1,975
001	Trans closure 5400A 277/480v	1.00	ea	35,361
001	Secondary service (10) 4" PVC	268.00	lf	24,771
001	PV System pad mounted service switch 1000A 277/480v	1.00	ea	37,543
001	Utility PV Switchboard (3) 4" PVC	20.00	lf	14,202
001	Temp generator cam-lock cabinet 400A 277/480v	1.00	ea	24,531
001	Generator aux power & controls (2) 2" PVC	1.00	lf	1,831
001	Generator emergency feeder 4" PVC	235.00	lf	30,108
001	Generator pad grounding	1.00	ea	2,951
001	Generator standby feeder (3) 4" pvc	235.00	lf	90,322
001	EV Charger locations	5.00	ea	97,483
001	EV circuits 1 1/4" PVC - 3 # 4	1,850.00	lf	26,418
001	Future EV Circuits 1 1/2" PVC - 5 # 2	14,200.00	lf	395,044
001	Future EV location Quazite Hand hole	22.00	ea	27,495
001	Future PV secondary feeder (4) 4"PVC	235.00	lf	19,996
001	New scoreboards circuits & connections	2.00	ea	26,253
001	Disconnect & remove existing site poles, remove conductors	8.00	ea	5,024

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
33-0000.000	<i>UTILITIES</i>				
001	Coordinate with NGRID all utility lines & pole removals or replacements	1.00 ea	3,579.26 /ea		3,579
001	Scoreboard extend existing 200A feeder to new location	1.00 ea	11,769.26 /ea		11,769
001	Tennis court service & control panel 200A feeder to new location	1.00 ea	12,962.35 /ea		12,962
001	Disconnect existing 600A stadium feeder & remove	1.00 ea	3,705.00 /ea		3,705
001	Disconnect site power & control circuiting , remove	3.00 ea	9,545.00 /ea		28,635
001	Identify stadium circuits to remain and protect during construction	1.00 ea	5,403.00 /ea		5,403
001	Remove & relocate tennis court pole lights	8.00 ea	1,445.00 /ea		11,560
001	Tennis court lighting circuits	656.00 lf	28.20 /lf		18,499
001	Provide new pole bases for Musco tennis court lighting	8.00 ea	20,093.00 /ea		160,744
001	Clean relamp existing nMusco fixtures	1.00 lf	6,663.00 /lf		6,663
001	Extend 200A service to ne scoreboard location (2) 2-1/2" PVC	420.00 ea	62.04 /ea		26,057
001	Primary service duct bank 2x4": PVC for stadium & field pad transformers	697.00 ea	44.12 /ea		30,752
001	Stadium transformer pad grounding	1.00 lf	1,975.00 /lf		1,975
001	Stadium lighting feeder	76.00 lf	50.71 /lf		3,854
001	Press box feeder	227.00 lf	29.81 /lf		6,767
001	Concession stand feeder	90.00 lf	35.38 /lf		3,184
001	Electrical Site Lighting				
001	Site Lighting fixture budget	1.00 ls	325,000.00 /ls		325,000
001	Type AA1 LED Site pole single head 25' pole	18.00 ea	894.82 /ea		16,107
001	Type AA2 LED Site pole dual head 25' pole	10.00 ea	1,118.52 /ea		11,185
001	Type AA3 LED Site pole single head 25' pole	10.00 ea	894.82 /ea		8,948
001	Type AA3-BC LED Site pole single head 25' pole	5.00 ea	894.82 /ea		4,474
001	Type AA4 LED Site pole single head 25' pole	9.00 ea	894.82 /ea		8,053
001	Type AA5 LED Site pole dual head 25' pole	1.00 ea	1,118.52 /ea		1,119
001	Type BB1 LED Post fixture on 12' pole	18.00 ea	596.54 /ea		10,738
001	Type BB2a LED Post fixture on 12' pole	6.00 ea	596.54 /ea		3,579
001	Type BB2b LED Post fixture on 12' pole	10.00 ea	596.54 /ea		5,965
001	Type CC LED Ingrate flag pole light	3.00 ea	358.67 /ea		1,076
001	Type DD LED Bollard	9.00 ea	410.12 /ea		3,691
001	Bollard branch circuits 1" PVC 3#8	850.00 lf	11.95 /lf		10,158
001	Precast concrete pole bases	87.00 ea	1,206.32 /ea		104,950
001	Precast Bollard pole bases	9.00 ea	1,321.30 /ea		11,892
001	Quazite in grade pull boxes	10.00 ea	1,345.70 /ea		13,457
001	Site lighting branch circuits 1-1/4" PVC 4#6	7,400.00 lf	16.12 /lf		119,288
001	Site Communications				
001	Telecomm service pole riser (2) 4" GRC	1.00 lf	3,394.90 /lf		3,395
001	Telecomm service 4x 4" PVC Duct bank	200.00 lf	72.37 /lf		14,474
001	Telecomm pullbox racks & grounding	3.00 lf	2,653.00 /lf		7,959
	<i>UTILITIES</i>		12.833/sf		2,461,355
	191,796.00 sf				

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
	<i>UTILITIES</i>		<i>12.833/sf</i>	<i>2,461,355</i>
	<i>191,796.00 sf</i>			
	<i>G4020 Site Lighting</i>		<i>12.833/sf</i>	<i>2,461,355</i>
	<i>191,796.00 sf</i>			
	<i>G40 SITE ELECTRICAL UTILITIES</i>		<i>15.474/sf</i>	<i>2,967,812</i>
	<i>191,796.00 sf</i>			
	G SITEWORK		121.302/sf	23,265,226
	191,796.00 sf			
	16.00 Labor hours			
	01 - High School High School		611.855/sf	117,351,329
	191,796.00 sf			
	3,268.443 Labor hours			

02 - Concession

A		SUBSTRUCTURE		
<i>A10</i>		<i>FOUNDATIONS</i>		
<i>A1010</i>		<i>Standard Foundations</i>		
<i>03-0000.000</i>	CONCRETE			
<i>a 4</i>	10 Form & Place - Footings - Concession	304.00	sf	18.00 /sf
	10 Form & Place - Frost Wall Foundations - Concession	1,400.00	sf	18.00 /sf
	30 Purchase Concrete Material - Footing & Walls - Concession	35.00	cy	135.00 /cy
	CONCRETE			25.284/sf
	<i>1,400.00 sf</i>			<i>35,397</i>
<i>31-0000.000</i>	EARTHWORK			
	10 Concessions Building			

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
				Total
31-0000.000	EARTHWORK			
10	Footing Excavation & Backfill w/ In-Situ Soils	60.00 cy	50.00 /cy	3,000
10	Sand & Gravel Base Course Under Ftg's & Piers - 6"	20.00 cy	55.00 /cy	1,100
10	Trench Excavation & Backfill w/ In-Situ Soils	20.00 cy	45.00 /cy	900
10	4" Perforated PVC Pipe	155.00 lf	8.00 /lf	1,240
10	4" PVC Fittings	5.00 ea	75.00 /ea	375
10	Filter Fabric	1,550.00 sf	0.60 /sf	930
10	3/4" Crushed Stone	30.00 cy	60.00 /cy	1,800
10	Engineered Fill Backfill To Subgrade	45.00 cy	55.00 /cy	2,475
10	Processed Gravel Base Under Slab - 8"	45.00 cy	65.00 /cy	2,925
10	Finegrading	1,345.00 sf	1.50 /sf	2,018
	EARTHWORK		11.973/sf	16,763
	1,400.00 sf			
A1010 Standard Foundations			37.257/sf	52,160
	1,400.00 sf			
A1030	Slab on Grade			
03-0000.000	CONCRETE			
100	Place & Finish - SOG, Concession	1,405.00 sf	7.00 /sf	9,835
12	15 mil Vapor Barrier, Concession	1,405.00 sf	0.85 /sf	1,194
110	WWF Reinforcement - SOG, Concession	1,292.00 sf	1.00 /sf	1,292
30	Purchase Concrete Material - SOG - 5", Concession	38.00 cy	135.00 /cy	5,130
	CONCRETE		12.465/sf	17,451
	1,400.00 sf			
A1030 Slab on Grade			12.465/sf	17,451
	1,400.00 sf			
A10 FOUNDATIONS			49.722/sf	69,611
	1,400.00 sf			
A SUBSTRUCTURE			49.722/sf	69,611
	1,400.00 sf			

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	Amount
B SHELL					
B10 SUPERSTRUCTURE					
B1020 Roof Construction					
05-0000.000	METALS				
a 01	Structural Steel - Concession Building - 11/psf assumed	8.00	ton	6,500.00	/ton
					52,000
a 01	Structural Steel - Decking	1,750.00	sf	7.00	/sf
				45.893/sf	12,250
	METALS				64,250
	1,400.00				
					64,250
	B1020 Roof Construction			45.893/sf	64,250
	1,400.00				
					64,250
	B10 SUPERSTRUCTURE			45.893/sf	64,250
	1,400.00				
B20 EXTERIOR VERTICAL ENCLOSURES					
B2010 Exterior Walls					
04-0000.000	MASONRY				
110	Pre-cast Sills - Concession	20.00	lf	75.00	/lf
					1,500
102	10" Ground Face CMU, Concession Building	1,800.00	sf	38.00	/sf
					68,400
5	Masonry Staging - Exterior - Concession	2,000.00	sf	3.50	/sf
					7,000
	MASONRY			54.929/sf	76,900
	1,400.00				
07-0000.000	THERMAL & MOIST PROTECT				
2	Metal Panels	300.00	sf	120.00	/sf
					36,000
	THERMAL & MOIST PROTECT			25.714/sf	36,000
	1,400.00				
					112,900
	B2010 Exterior Walls			80.643/sf	112,900
	1,400.00				

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total	Amount
				Total	
	<i>B2010 Exterior Walls</i>		<i>80.643/sf</i>		<i>112,900</i>
	<i>1,400.00 sf</i>				
<i>B2020</i>	<i>Exterior Windows</i>	<hr/>			
<i>08-0000.000</i>	<i>DOORS & WINDOWS</i>				
10	Exterior Aluminum Windows - Concession (Triple Glazed)	30.00 sf	185.00 /sf		5,550
100	Exterior Transaction window - Concession	3.00 ea	6,000.00 /ea		18,000
	<i>DOORS & WINDOWS</i>		<i>16.821/sf</i>		<i>23,550</i>
	<i>1,400.00 sf</i>				
				<i>B2020 Exterior Windows</i>	<i>23,550</i>
	<i>1,400.00 sf</i>				
<i>B2030</i>	<i>Exterior Doors</i>	<hr/>			
<i>08-0000.000</i>	<i>DOORS & WINDOWS</i>				
220	Double Door HM 6-0x7-0 - Flush, Insulated - Concession	2.00 pr	1,800.00 /pr		3,600
220	Exterior Door Install - Concession	2.00 ea	1,250.00 /ea		2,500
220	FRAMES				
220	Exterior - Typical Single - Concession	2.00 ea	1,250.00 /ea		2,500
50	Overhead Door - 8' x 6' - Concession	1.00 ea	5,000.00 /ea		5,000
	<i>DOORS & WINDOWS</i>		<i>9.714/sf</i>		<i>13,600</i>
	<i>1,400.00 sf</i>				
				<i>B2030 Exterior Doors</i>	<i>13,600</i>
	<i>1,400.00 sf</i>				
				<i>B20 EXTERIOR VERTICAL ENCLOSURES</i>	<i>150,050</i>
	<i>1,400.00 sf</i>				
				B SHELL	214,300
	1,400.00 sf				

East Longmeadow High School

				Total
Item	Description	Takeoff Qty	Unit Cost	Amount
C	INTERIORS			
C10	INTERIOR CONSTRUCTION			
C1010	Interior Partitions			
04-0000.000	MASONRY			
102	M4 - 4" CMU, Concession Building	2,135.00	sf	28.00 /sf
	MASONRY			42.70 /sf
	1,400.00			59,780
				59,780
	C1010 Interior Partitions			42.70 /sf
	1,400.00			59,780
C1020	Interior Doors			
08-0000.000	DOORS & WINDOWS			
220	DOORS - Concession			
220	Type 1 - Single Door HM 3-0x7-0 - Flush	7.00	ea	740.00 /ea
220	Type 6 - Double Door HM 6-0x7-0, Flush	1.00	pr	1,470.00 /pr
10	Double Interior Door Hardware Allowance	1.00	ea	2,250.00 /ea
10	Single Interior Door Hardware Allowance	7.00	ea	1,500.00 /ea
10	Door & Hardware Install	8.00	ea	500.00 /ea
	DOORS & WINDOWS			16.714/sf
	1,400.00			23,400
				23,400
	C1020 Interior Doors			16.714/sf
	1,400.00			23,400
C1030	Fittings			
10-0000.000	SPECIALTIES			
2	ADA Toilet Compartment - Concession	2.00	ea	2,750.00 /ea
2	Standard Toilet Compartment - Concession	4.00	ea	2,000.00 /ea
2	42" ADA 18 Gage Stainles Steel Grab Bars - Concession	8.00	ea	130.00 /ea
2	Janitors Closet Accessories - Concession	1.00	ea	350.00 /ea
2	Utility Hooks - Concession	8.00	ea	50.00 /ea
2	Electric Hand Dryer - Concession	2.00	ea	400.00 /ea
2	Install OFCI Items - Concession	1.00	cd	1,500.00 /cd
54	Metal Storage Shelving, Allowance - Concession	3.00	ea	750.00 /ea

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
			Total	
	<i>SPECIALTIES</i>		<i>14.171/sf</i>	<i>19,840</i>
	1,400.00 sf			
	11.00 Labor hours			
<hr/>				
	<i>C1030 Fittings</i>		<i>14.171/sf</i>	<i>19,840</i>
	1,400.00 sf			
	11.00 Labor hours			
<hr/>				
	<i>C10 INTERIOR CONSTRUCTION</i>		<i>73.586/sf</i>	<i>103,020</i>
	1,400.00 sf			
	11.00 Labor hours			
<hr/>				
<i>C30</i>	<i>INTERIOR FINISHES</i>			
<hr/>				
<i>C3010</i>	<i>Wall Finishes</i>			
<hr/>				
<i>09-0000.000</i>	<i>FINISHES</i>			
10	Paint Walls, Block Filler - Concession	3,935.00 sf	0.85 /sf	3,345
	<i>FINISHES</i>		<i>2.389/sf</i>	<i>3,345</i>
	1,400.00 sf			
<hr/>				
	<i>C3010 Wall Finishes</i>		<i>2.389/sf</i>	<i>3,345</i>
	1,400.00 sf			
<hr/>				
<i>C3020</i>	<i>Floor Finishes</i>			
<hr/>				
<i>09-0000.000</i>	<i>FINISHES</i>			
002	Seal concrete, Concession	1,160.00 sf	3.50 /sf	4,060
	<i>FINISHES</i>		<i>2.90 /sf</i>	<i>4,060</i>
	1,400.00 sf			
<hr/>				
	<i>C3020 Floor Finishes</i>		<i>2.90 /sf</i>	<i>4,060</i>
	1,400.00 sf			
<hr/>				
<i>C3030</i>	<i>Ceiling Finishes</i>			
<hr/>				
<i>09-0000.000</i>	<i>FINISHES</i>			

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Amount
Total				
09-0000.000	<i>FINISHES</i>			
	2 Drywall Ceilings	1,160.00 sf	25.00 /sf	29,000
	20 Paint GYB Ceilings	1,160.00 sf	2.00 /sf	2,320
	<i>FINISHES</i>		<u>22.371/sf</u>	<u>31,320</u>
	1,400.00 sf			
	<i>C3030 Ceiling Finishes</i>		22.371/sf	31,320
	1,400.00 sf			
	<i>C30 INTERIOR FINISHES</i>		27.661/sf	38,725
	1,400.00 sf			
	C INTERIORS		101.246/sf	141,745
	1,400.00 sf			
	11.00 Labor hours			

D SERVICES

D20 PLUMBING

D2090 Other Plumbing Systems

22-0000.000	<i>PLUMBING</i>			
	10 Plumbing - Concessions Building			
	10 Testing & Disinfection	1.00 ls	200.00 /ls	200
	10 Coordination & Management	1.00 ls	1,600.00 /ls	1,600
	10 Permits and Fees	1.00 ls	250.00 /ls	250
	10 Coring & Patching / Firestopping	1.00 ls	800.00 /ls	800
	10 Hoisting & Rigging / Floor Loading	1.00 ls	600.00 /ls	600
	10 Domestic HW Pipe Branch	500.00 sf	55.00 /sf	27,500
	10 Pipe Insulation - (Branch)	500.00 sf	15.00 /sf	7,500
	10 4" Sanitary Waste & Vent Pipe (UG)	60.00 lf	41.75 /lf	2,505
	10 3" Sanitary Waste & Vent Pipe (UG)	120.00 lf	38.55 /lf	4,626
	10 4" Sanitary Waste & Vent Pipe (AG)	60.00 lf	45.65 /lf	2,739
	10 2" Sanitary Waste & Vent Pipe (AG)	80.00 lf	34.65 /lf	2,772
	10 1-1/2" Sanitary Waste & Vent Pipe (AG)	100.00 lf	29.90 /lf	2,990
	10 Electric Water Heater	2.00 ea	18,000.00 /ea	36,000
	10 3" Floor Drain	3.00 ea	420.00 /ea	1,260
	10 P-Trap	3.00 ea	195.00 /ea	585
	10 Hose Bibb	2.00 ea	215.00 /ea	430
	10 Wall Hydrant	1.00 ea	295.00 /ea	295
	10 LAV-1 - Lavatory - Wall Mounted	4.00 ea	1,025.00 /ea	4,100
	10 UR-1 - Urinal - Wall Mount	2.00 ea	1,150.00 /ea	2,300

East Longmeadow High School

Item	Description	Takeoff Qty	Unit Cost	Total Amount
22-0000.000				
	<i>PLUMBING</i>			
	10 WC-1 - Water Closet - Wall Mounted	5.00 ea	1,300.00 /ea	6,500
	10 WC-1A - ADA Water Closet - Wall Mounted	2.00 ea	1,375.00 /ea	2,750
	10 Wall Carrier	9.00 ea	595.00 /ea	5,355
	<i>PLUMBING</i>		<u>81.184/sf</u>	<u>113,657</u>
	1,400.00 sf			
	<i>D2090 Other Plumbing Systems</i>			81.184/sf 113,657
	1,400.00 sf			
	<i>D20 PLUMBING</i>			81.184/sf 113,657
	1,400.00 sf			
D30				
<i>HEATING, VENTILATION, AND AIR CONDITIONING (HVAC)</i>				
D3060				
<i>Controls And Instrumentation</i>				
23-0000.000				
	<i>HVAC</i>			
	20 Thermostat Controls	6.00 ea	450.00 /ea	2,700
	<i>HVAC</i>		<u>1.929/sf</u>	<u>2,700</u>
	1,400.00 sf			
	<i>D3060 Controls And Instrumentation</i>			1.929/sf 2,700
	1,400.00 sf			
D3090				
<i>Other HVAC Systems And Equipment</i>				
23-0000.000				
	<i>HVAC</i>			
	2 HVAC - Concession Building			
	2 Coordination & management / BIM	1.00 ls	1,200.00 /ls	1,200
	2 Equipment start up and inspection	1.00 ls	800.00 /ls	800
	2 Coring & patching / firestopping	1.00 ls	600.00 /ls	600
	2 Hoisting & rigging / floor loading	1.00 ls	500.00 /ls	500
	2 Duct wrap insulation	180.00 sf	5.70 /sf	1,026
	2 Ductwork Galvanized	225.00 lb	20.00 /lb	4,500
	2 RGD's	5.00 lf	175.00 /lf	875
	2 EF-CN-1 - Concessions Building Exhaust Fan	1.00 ea	1,200.00 /ea	1,200
	2 UH - Unit Heater (5 KW)	3.00 ea	2,250.00 /ea	6,750
	2 UH - Unit Heater (7.5 KW)	7.00 ea	2,680.00 /ea	18,760

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
	HVAC		25.865/sf	36,211
	1,400.00 sf			
<hr/>				
	D3090 Other HVAC Systems And Equipment		25.865/sf	36,211
	1,400.00 sf			
<hr/>				
	D30 HEATING, VENTILATION, AND AIR CONDITIONING (HVAC)		27.794/sf	38,911
	1,400.00 sf			
<hr/>				
D50	ELECTRICAL			
D5010	Electrical Service And Distribution			
26-0000.000	ELECTRICAL			
10	General Power - Concession	1.00 ea	22,000.00 /ea	22,000
10	Feeders - Concession	1.00 ea	3,800.00 /ea	3,800
	ELECTRICAL		18.429/sf	25,800
	1,400.00 sf			
<hr/>				
	D5010 Electrical Service And Distribution		18.429/sf	25,800
	1,400.00 sf			
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D5020	Lighting & Branch Wiring			
26-0000.000	ELECTRICAL			
10	Lighting fixture - Concession, Allowance	1.00 ls	8,500.00 /ls	8,500
	ELECTRICAL		6.071/sf	8,500
	1,400.00 sf			
<hr/>				
	D5020 Lighting & Branch Wiring		6.071/sf	8,500
	1,400.00 sf			
<hr/>				
D5030	Communications & Security			
28-0000.000	ELECTRONIC SAFETY & SECURITY			
10	Fire Alarm - Concession	1.00 ea	18,000.00 /ea	18,000



East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
	<i>ELECTRONIC SAFETY & SECURITY</i>		<i>12.857/sf</i>	<i>18,000</i>
	<i>1,400.00 sf</i>			
<hr/>				
	<i>D5030 Communications & Security</i>		<i>12.857/sf</i>	<i>18,000</i>
	<i>1,400.00 sf</i>			
<hr/>				
	<i>D50 ELECTRICAL</i>		<i>37.357/sf</i>	<i>52,300</i>
	<i>1,400.00 sf</i>			
<hr/>				
	D SERVICES		146.334/sf	204,868
	1,400.00 sf			
<hr/>				
E	EQUIPMENT AND FURNISHINGS			
<hr/>				
<i>E10</i>	<i>EQUIPMENT</i>			
<hr/>				
<i>E1060</i>	<i>Residential Equipment</i>			
<hr/>				
<i>11-0000.000</i>	<i>EQUIPMENT</i>			
	50 Concession Refrigerator Allowance	3.00 ea	4,000.00 /ea	12,000
	<i>EQUIPMENT</i>		<i>8.571/sf</i>	<i>12,000</i>
	<i>1,400.00 sf</i>			
<hr/>				
	<i>E1060 Residential Equipment</i>		<i>8.571/sf</i>	<i>12,000</i>
	<i>1,400.00 sf</i>			
<hr/>				
	<i>E10 EQUIPMENT</i>		<i>8.571/sf</i>	<i>12,000</i>
	<i>1,400.00 sf</i>			
<hr/>				
<i>E20</i>	<i>FURNISHINGS</i>			
<hr/>				
<i>E2010</i>	<i>Fixed Furnishings</i>			
<hr/>				
<i>06-2000.000</i>	<i>FINISH CARPENTRY</i>			
	2 PLAM Worktops w/Brackets - Concession	36.00 lf	250.00 /lf	9,000
	2 Tall Cabinets - Concession	9.00 lf	1,116.390 /lf	10,048

East Longmeadow High School

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
06-2000.000	<i>FINISH CARPENTRY</i>			
2	Base Cabinets w/PLAM Tops - Concession	5.00 lf	632.62 /lf	3,163
	<i>FINISH CARPENTRY</i>		15.865/sf	22,211
	1,400.00 sf			
	<i>E2010 Fixed Furnishings</i>		15.865/sf	22,211
	1,400.00 sf			
	<i>E20 FURNISHINGS</i>		15.865/sf	22,211
	1,400.00 sf			
	E EQUIPMENT AND FURNISHINGS		24.436/sf	34,211
	1,400.00 sf			
	02 - Concession Concession Building		474.810/sf	664,734
	1,400.00 sf			
	11.00 Labor hours			

East Longmeadow High School

Estimate Totals

Description	Amount	Totals	Rate	Cost per Unit
Direct Cost	118,016,064	118,016,064		615.321 /sf
Design Contingency	5,900,803		5.000 %	30.766 /sf
Escalation	3,540,482		3.000 %	18.460 /sf
Construction Contingency	2,949,868		2.000 %	15.380 /sf
Subtotal	12,391,153	130,407,217		679.927 /sf
		130,407,217		679.927 /sf
GR's - Price Proposal				
GC's/Staffing (C.1,C.2)	5,088,077			26.529 /sf
GC's (C.5,C.6,C.7)	1,412,250			7.363 /sf
GRs - Div. 1 - Direct Cost	4,605,000			24.010 /sf
Preconstruction				
Subtotal	11,105,327	141,512,544		737.828 /sf
General Liability Insurance	1,615,053		1.095 %	8.421 /sf
Performance & Payment Bonds	1,025,079		0.695 %	5.345 /sf
Builder's Risk	311,211		0.211 %	1.623 /sf
Polution Insurance	79,646		0.054 %	0.415 /sf
Building Permit Cost - Waived				
Subtotal	3,030,989	144,543,533		753.632 /sf
CM Fee (OH&P)	2,949,868		2.000 %	15.380 /sf
Subtotal	2,949,868	147,493,401		769.012 /sf
Project GSF 191,796				
Total		147,493,401		769.012 /sf



MSBA PROJECT NUMBER: 201900870505

Design Development Cost Estimate

East Longmeadow High School

East Longmeadow, MA

PM&C LLC
20 Downer Ave, Suite 5
Hingham, MA 02043
(T) 781-740-8007

Prepared for:

Jones Whitsett Architects/ SMMA

26-Mar-24
Reconciled



East Longmeadow High School
East Longmeadow, MA

26-Mar-24

Design Development Cost Estimate

MSBA PROJECT NUMBER: 201900870505

	Construction Start	Gross Floor Area	\$/sf	Estimated Construction Cost
NEW SCHOOL				
	Jan-25			
NEW SCHOOL		191,796	\$470.07	\$90,156,681
CONCESSIONS BUILDING		1,344	\$592.83	\$796,762
DEMOLITION OF EXISTING SCHOOL		186,980	\$9.00	\$1,682,820
REMOVE HAZARDOUS MATERIALS ALLOW PER COST ASSUMPTIONS MEMO 3/5/24				\$1,453,038
SITework				\$24,446,105
SUB-TOTAL		191,796	\$618.03	\$118,535,406
DESIGN AND PRICING CONTINGENCY	5.0%			\$5,926,770
ESCALATION	2.6%			\$3,081,921
SUB-TOTAL		191,796	\$665.00	\$127,544,097
GENERAL CONDITIONS	1	LS		\$6,466,477
GENERAL REQUIREMENTS	1	ALLOW		\$4,605,000
GL INSURANCE	1	LS		\$1,633,295
BONDS	1	LS		\$1,036,658
BUILDER'S RISK	1	LS		\$314,726
POLLUTION LIABILITY	1	LS		\$80,546
PERMITS				Waived
CM FEE				\$2,950,248
CM CONTINGENCY	2.00%			\$2,950,248
MODULAR CLASSROOMS				By Owner
TOTAL OF ALL CONSTRUCTION		191,796	\$769.47	\$147,581,295



East Longmeadow High School
East Longmeadow, MA

26-Mar-24

Design Development Cost Estimate

TOTAL COST ITEM 1 WORK FSB BIDS	\$62,955,078
TOTAL COST ITEM 2 WORK NON-FSB	<u>\$84,626,217</u>
TOTAL ALL WORK	\$147,581,295



East Longmeadow High School
East Longmeadow, MA

26-Mar-24

Design Development Cost Estimate

Alternates;

Estimated Cost

S1 Sports field storage building	Add	\$51,216
S2 Additional athletic field irrigation beyond base project scope @ 245,000 sf	Add	\$514,500
S3 Provide 435,000sf sod in lieu of seed for athletic fields	Add	\$887,400



East Longmeadow High School
East Longmeadow, MA

26-Mar-24

Design Development Cost Estimate

This Design Development cost estimate was produced from drawings, specifications and other documentation prepared by Jones Whitsett Architects and SMMA and their design team dated March 5th, 2024. Design and engineering changes occurring subsequent to the issue of these documents have not been incorporated in this estimate.

This estimate includes all direct construction costs, construction manager's overhead, fee and design contingency. Cost escalation assumes start dates indicated.

Bidding conditions are expected to be public bidding under Chapter 149a of the Massachusetts General Laws to pre-qualified construction managers, and pre-qualified sub-contractors, open specifications for materials and manufacturers.

The estimate is based on prevailing wage rates for construction in this market and represents a reasonable opinion of cost. It is not a prediction of the successful bid from a contractor as bids will vary due to fluctuating market conditions, errors and omissions, proprietary specifications, lack or surplus of bidders, perception of risk, etc. Consequently the estimate is expected to fall within the range of bids from a number of competitive contractors or subcontractors, however we do not warrant that bids or negotiated prices will not vary from the final construction cost estimate.

ITEMS NOT CONSIDERED IN THIS ESTIMATE

Items not included in this estimate are:

- Land acquisition, feasibility, and financing costs
- All professional fees and insurance
- Site or existing conditions surveys investigations costs, including to determine subsoil conditions
- All Furnishings, Fixtures and Equipment
- Items identified in the design as Not In Contract (NIC)
- Items identified in the design as by others
- Owner supplied and/or installed items as indicated in the estimate
- Utility company back charges, including work required off-site
- Work to City streets and sidewalks, (except as noted in this estimate)
- Owner's Construction contingency
- Contaminated soils removal



East Longmeadow High School
East Longmeadow, MA

26-Mar-24

Design Development Cost Estimate

CONSTRUCTION COST SUMMARY IN CSI FORMAT								
	NEW SCHOOL		Concession Building		SITE WORK		TOTAL PROJECT	
	Subtotal	Total	Subtotal	Total	Subtotal	Total	Subtotal	Total
DIV. 2 EXISTING CONDITIONS		\$0		\$0		\$3,235,858		\$3,235,858
024300 Selective Demolition	\$0		\$0		\$0		\$0	
024400 Building Demolition	\$0		\$0		\$1,682,820		\$1,682,820	
025000 Site Remediation	\$0		\$0		\$100,000		\$100,000	
028000 Building Abatement	\$0		\$0		\$1,453,038		\$1,453,038	
DIV. 3 CONCRETE		\$4,380,457		\$66,914		\$717,480		\$5,164,851
033000 Cast In Place Concrete	\$4,380,457		\$66,914		\$717,480		\$5,164,851	
DIV. 4 MASONRY		\$3,941,183		\$147,660		\$0		\$4,088,843
040001 Unit Masonry	\$3,941,183		\$147,660		\$0		\$4,088,843	
DIV. 5 METALS		\$8,918,472		\$76,384		\$115,475		\$9,110,331
050001 Miscellaneous & Ornamental Iron	\$1,515,008		\$6,384		\$115,475		\$1,636,867	
051200 Structural Steel Framing	\$7,403,464		\$70,000		\$0		\$7,473,464	
DIV. 6 WOODS, PLASTICS & COMPOSITES		\$1,300,519		\$5,195		\$0		\$1,305,714
061000 Rough Carpentry	\$323,785		\$5,195		\$0		\$328,980	
062000 Finish Carpentry	\$976,734		\$0		\$0		\$976,734	
							\$0	
DIV. 7 THERMAL & MOISTURE PROTECTION		\$9,634,260		\$89,953		\$0		\$9,724,213
070001 Waterproofing, Damproofing & Caulking	\$1,125,664		\$3,335		\$0		\$1,128,999	
070002 Roofing and Flashing	\$4,396,080		\$47,550		\$0		\$4,443,630	
072100 Insulation	\$597,165		\$5,628		\$0		\$602,793	
076400 Metal Wall Panels	\$1,045,730		\$0		\$0		\$1,045,730	
076800 Phenolic Wall Panels	\$1,655,460		\$33,440		\$0		\$1,688,900	
078100 Applied Fireproofing	\$563,263		\$0		\$0		\$563,263	
078400 Firestopping	\$170,898		\$0		\$0		\$170,898	
079500 Expansion Joints	\$80,000		\$0		\$0		\$80,000	
DIV. 8 DOORS & WINDOWS		\$5,383,995		\$41,500		\$0		\$5,425,495
080001 Glass and Glazing	\$346,375		\$0		\$0		\$346,375	
080002 Metal Framed Windows	\$3,787,275		\$12,000		\$0		\$3,799,275	
081110 Doors and Frames	\$697,030		\$24,700		\$0		\$721,730	
083100 Access Doors and Panels	\$10,000		\$0		\$0		\$10,000	
083323 Overhead Coiling Doors	\$66,315		\$4,800		\$0		\$71,115	
083513 Folding Glass Doors	\$20,000		\$0		\$0		\$20,000	
084313 Aluminum Framed Storefronts	\$0		\$0		\$0		\$0	
085313 Vinyl Windows	\$0		\$0		\$0		\$0	
086300 Metal Framed Skylights	\$0		\$0		\$0		\$0	
087100 Door Hardware	\$392,000		\$0		\$0		\$392,000	
089000 Louvers and Vents	\$65,000		\$0		\$0		\$65,000	
DIV. 9 FINISHES		\$12,963,098		\$37,812		\$0		\$13,000,910
090001 Terrazzo	\$40,000		\$0		\$0		\$40,000	
090002 Tile	\$1,927,959		\$0		\$0		\$1,927,959	
090003 Acoustical Ceilings	\$1,258,056		\$0		\$0		\$1,258,056	
090005 Resilient Flooring	\$1,068,637		\$0		\$0		\$1,068,637	
090007 Painting	\$639,842		\$8,452		\$0		\$648,294	
092900 GWB, Lath and Plastering	\$6,952,905		\$29,360		\$0		\$6,982,265	
092610 Vapor Mitigation at slabs	\$0		\$0		\$0		\$0	
096400 Wood Flooring	\$39,425		\$0		\$0		\$39,425	
096466 Wood Athletic Flooring	\$292,568		\$0		\$0		\$292,568	
096800 Carpet	\$177,290		\$0		\$0		\$177,290	
097500 Resinous Flooring	\$93,192		\$0		\$0		\$93,192	
098120 Sprayed Acoustic Insulation	\$51,600		\$0		\$0		\$51,600	
098413 Acoustic Panels	\$421,624		\$0		\$0		\$421,624	
DIV 10 SPECIALTIES		\$1,142,874		\$23,744		\$0		\$1,166,618
101100 Markerboards	\$227,337		\$0		\$0		\$227,337	
101200 Display Cases	\$62,400		\$0		\$0		\$62,400	
101400 Signage	\$185,387		\$6,344		\$0		\$191,731	
102113 Toilet Compartments	\$56,350		\$10,000		\$0		\$66,350	
102123 Cubicle Curtain	\$3,000		\$0		\$0		\$3,000	
102228 Folding Partitions	\$0		\$0		\$0		\$0	
102600 Wall Protection	\$10,000		\$0		\$0		\$10,000	
102813 Toilet Accessories	\$81,900		\$7,400		\$0		\$89,300	
104400 Fire Protection Specialties	\$26,500		\$0		\$0		\$26,500	
105113 Metal Lockers	\$212,700		\$0		\$0		\$212,700	
107113 Exterior Sun Control Devices	\$277,300		\$0		\$0		\$277,300	
DIV. 11 EQUIPMENT		\$3,238,500		\$22,500		\$929,600		\$4,190,600
119000 Miscellaneous Equipment	\$46,500		\$0		\$0		\$46,500	
113100 Appliances	\$58,300		\$22,500		\$0		\$80,800	
114000 Foodservice Equipment	\$1,638,000		\$0		\$0		\$1,638,000	
115213 Projection Screens	\$60,000		\$0		\$0		\$60,000	
115313 Laboratory Equipment incl. Fume Hoods	\$130,300		\$0		\$0		\$130,300	
116100 Theatre Equipment	\$1,092,500		\$0		\$0		\$1,092,500	
116623 Gymnasium Equipment	\$170,060		\$0		\$0		\$170,060	
116653 Gymnasium Dividers	\$42,840		\$0		\$0		\$42,840	
116800 Play Field Equipment & Structures	\$0		\$0		\$929,600		\$929,600	



East Longmeadow High School
East Longmeadow, MA

26-Mar-24

Design Development Cost Estimate

CONSTRUCTION COST SUMMARY IN CSI FORMAT								
	NEW SCHOOL		Concession Building		SITE WORK		TOTAL PROJECT	
	Subtotal	Total	Subtotal	Total	Subtotal	Total	Subtotal	Total
DIV. 12 FURNISHINGS		\$2,243,096		\$16,310		\$262,430		\$2,521,836
122400 Window Shades	\$237,500		\$0		\$0		\$237,500	
123000 Casework	\$1,453,400		\$16,310		\$0		\$1,469,710	
124813 Entrance Floor Mats and Frames	\$147,996		\$0		\$0		\$147,996	
126100 Fixed Audience Seating	\$225,000		\$0		\$0		\$225,000	
126613 Telescoping Bleachers	\$179,200		\$0		\$0		\$179,200	
129300 Site Furnishings	\$0		\$0		\$262,430		\$262,430	
DIV. 13 SPECIAL CONSTRUCTION		\$43,750		\$0		\$155,980		\$199,730
132000 Greenhouse	\$43,750		\$0		\$0		\$43,750	
133000 Pressbox	\$0		\$0		\$155,980		\$155,980	
DIV. 14 CONVEYING SYSTEMS		\$190,000		\$0		\$0		\$190,000
142424 Elevators	\$190,000		\$0		\$0		\$190,000	
DIV. 21 FIRE SUPPRESSION		\$1,524,332		\$0		\$386,019		\$1,910,351
210000 Fire Suppression	\$1,524,332		\$0		\$386,019		\$1,910,351	
DIV. 22 PLUMBING		\$5,035,303		\$149,874		\$0		\$5,185,177
220000 Plumbing	\$5,035,303		\$149,874		\$0		\$5,185,177	
DIV. 23 HVAC		\$15,421,183		\$52,294		\$0		\$15,473,477
230000 HVAC	\$15,421,183		\$52,294		\$0		\$15,473,477	
DIV. 26 ELECTRICAL		\$13,313,937		\$53,760		\$1,994,800		\$15,362,497
260000 Electrical Work	\$13,313,937		\$53,760		\$1,994,800		\$15,362,497	
DIV. 31 EARTHWORK		\$1,481,722		\$12,862		\$8,201,080		\$9,695,664
311000 Site Preparation & Clearing	\$0		\$0		\$2,335,970		\$2,335,970	
312000 Earthwork	\$1,481,722		\$12,862		\$5,465,284		\$6,959,868	
312500 Erosion Control	\$0		\$0		\$399,826		\$399,826	
312900 Ground Improvements	\$0		\$0		\$0		\$0	
DIV. 32 EXTERIOR IMPROVEMENTS		\$0		\$0		\$9,239,219		\$9,239,219
320000 Bituminous Paving, Curbing & Edging	\$0		\$0		\$2,823,773		\$2,823,773	
321314 Exposed Aggregate Concrete Paving	\$0		\$0		\$1,302,183		\$1,302,183	
321724 Signs	\$0		\$0		\$35,000		\$35,000	
321816 Playground Protective Surfaces	\$0		\$0		\$120,591		\$120,591	
322110 Synthetic Turf Fields	\$0		\$0		\$49,924		\$49,924	
323114 Fencing	\$0		\$0		\$574,015		\$574,015	
323000 Bridges	\$0		\$0		\$112,000		\$112,000	
329800 Irrigation	\$0		\$0		\$941,250		\$941,250	
329900 Landscaping	\$0		\$0		\$3,280,483		\$3,280,483	
DIV. 33 UTILITIES		\$0		\$0		\$2,344,022		\$2,344,022
331000 Water Distribution	\$0		\$0		\$27,208		\$27,208	
333000 Sanitary Sewerage	\$0		\$0		\$403,228		\$403,228	
334000 Storm Drainage Systems	\$0		\$0		\$1,763,586		\$1,763,586	
336000 Traffic Mitigation	\$0		\$0		\$150,000		\$150,000	
SUBTOTAL DIRECT (TRADE) COST		\$90,156,681		\$796,762		\$27,581,963		\$118,535,406



CONSTRUCTION COST SUMMARY

BUILDING SYSTEM	NEW SCHOOL SUB-TOTAL	SITWORK SUB-TOTAL	CONCESSIONS SUB-TOTAL	TOTAL	\$/SF	%
A10 FOUNDATIONS						
A1010 Standard Foundations	\$2,960,596		\$57,876			
A1020 Special Foundations	\$0		\$0			
A1030 Lowest Floor Construction	\$2,171,663		\$20,268	\$5,210,403	\$27.17	4.4%
B10 SUPERSTRUCTURE						
B1010 Upper Floor Construction	\$3,713,058		\$0			
B1020 Roof Construction	\$5,022,502		\$70,000	\$8,805,560	\$45.91	7.4%
B20 EXTERIOR CLOSURE						
B2010 Exterior Walls	\$9,459,132		\$115,540			
B2020 Windows/Curtainwall	\$3,616,955		\$13,600			
B2030 Exterior Doors	\$201,239		\$13,300	\$13,419,766	\$69.97	11.3%
B30 ROOFING						
B3010 Roof Coverings	\$4,567,080		\$50,590			
B3020 Roof Openings	\$81,000		\$0	\$4,698,670	\$24.50	4.0%
C10 INTERIOR CONSTRUCTION						
C1010 Partitions	\$6,474,906		\$75,600			
C1020 Interior Doors	\$1,377,980		\$20,610			
C1030 Specialties/Millwork	\$2,387,122		\$31,768	\$10,367,986	\$54.06	8.7%
C20 STAIRCASES						
C2010 Stair Construction	\$342,750		\$0			
C2020 Stair Finishes	\$92,750		\$0	\$435,500	\$2.27	0.4%
C30 INTERIOR FINISHES						
C3010 Wall Finishes	\$2,131,617		\$4,800			
C3020 Floor Finishes	\$2,939,374		\$7,260			
C3030 Ceiling Finishes	\$1,771,977		\$20,812	\$6,875,840	\$35.85	5.8%
D10 CONVEYING SYSTEMS						
D1010 Elevator	\$192,875		\$0	\$192,875	\$1.01	0.2%
D20 PLUMBING						
D20 Plumbing	\$5,035,303		\$149,874	\$5,185,177	\$27.03	4.4%
D30 HVAC						
D30 HVAC	\$15,421,183		\$52,294	\$15,473,477	\$80.68	13.1%
D40 FIRE PROTECTION						
D40 Fire Protection	\$1,524,332		\$0	\$1,524,332	\$7.95	1.3%
D50 ELECTRICAL						
D5010 Electrical Systems	\$13,356,437		\$53,760	\$13,410,197	\$69.92	11.3%
E10 EQUIPMENT						
E10 Equipment	\$3,196,000		\$22,500	\$3,218,500	\$16.78	2.7%
E20 FURNISHINGS						
E2010 Fixed Furnishings	\$2,075,100		\$16,310			
E2020 Movable Furnishings	NIC		NIC	\$2,091,410	\$10.90	1.8%
F10 SPECIAL CONSTRUCTION						
F10 Special Construction	\$43,750		\$0	\$43,750	\$0.23	0.0%
F20 SELECTIVE BUILDING DEMOLITION						
F2010 Building Elements Demolition	\$0	\$1,682,820	\$0			
F2020 Hazardous Components Abatement	\$0	\$1,453,038	\$0	\$3,135,858	\$16.35	2.6%
G SITework				\$24,446,105	\$127.46	20.6%
G10 Site Prep and Demolition		\$6,036,266				
G20 Site Improvements		\$12,435,982				
G30 Civil Utilities		\$3,157,417				
G40 Electrical Utilities		\$2,816,440				
TOTAL DIRECT COST (Trade Costs)	\$90,156,681	\$27,581,963	\$796,762	\$118,535,406	\$618.03	100.0%



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

CONCRETE

Strip Footings	243	CY					
Foundation Walls	649	CY					
Spread Footings	555	CY					
Piers	40	CY					
Grade beams	34	CY					
Loading dock, elevator pits, misc.	13	CY					
Total Foundation Concrete	1,534	CY					

A10 FOUNDATIONS

A1010 STANDARD FOUNDATIONS

Strip footings - perimeter: 30"x12"

033000	Formwork	5,000	sf	16.00	80,000		
033000	Re-bar	16,678	lbs.	2.00	33,356		
033000	Concrete material	243	cy	170.00	41,310		
033000	Placing concrete	243	cy	120.00	29,160		
033000	<u>Typical foundation walls, 20" thick</u>						
033000	Formwork	20,000	sf	19.00	380,000		
033000	Re-bar	48,392	lbs.	2.00	96,784		
033000	Concrete material	649	cy	170.00	110,330		
033000	Placing concrete	649	cy	120.00	77,880		
033000	Form shelf	2,500	lf	10.00	25,000		
033000	<u>Spread Footings</u>						
033000	Formwork	8,762	sf	16.00	140,192		
033000	Re-bar	51,673	lbs.	2.00	103,346		
033000	Concrete material	555	cy	170.00	94,350		
033000	Placing concrete	555	cy	120.00	66,600		
033000	Set anchor bolts grout plates	278	ea	250.00	69,500		
033000	<u>GB-1 Grade beams: 30"x18"</u>						
033000	Formwork	690	sf	19.00	13,110		
033000	Re-bar	6,438	lbs.	2.00	12,876		
033000	Concrete material	34	cy	170.00	5,780		
033000	Placing concrete	34	cy	120.00	4,080		
033000	<u>Piers</u>						
033000	Piers/Pilasters - allowance	40	cy	1,200.00	48,000		
033000	Allowance for kitchen pits	1	ls	15,000.00	15,000		

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

070001	Dampproofing at depressed foundation areas - auditorium & elevator pit	2,620	sf	6.00	15,720		
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072100 THERMAL INSULATION

072100	4" thick Insulation	3,000	sf	5.50	16,500		
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312000 EARTHWORK

312000	<u>Strip footings</u>						
312000	Excavation & reuse on site	4,278	cy	40.00	171,120		
312000	<u>Spread footings</u>						
312000	Excavation & reuse on site	1,388	cy	40.00	55,520		
312000	<u>Building Earthwork</u>						
312000	Cut - over excavated 2' of fill beneath building	12,300	cy	10.00		NR	
312000	Compact existing sub-grade						incl. below
312000	Fill - import structural - 25% swell - no over-ex	15,375	cy	50.00	768,750		
312000	Fill - import structural - 25% swell - over ex	30,625	cy	50.00		NR	
312000	<u>SOIL DISPOSAL - conversion factor 1.7 to tons</u>						
312000	Load excess soils for disposal	12,300	cy	2.50		NR	
312000	Less than RCS-1 - clean non-regulated	20,910	tn	23.00		NR	
312000	Gravel fill, 12"	5,210	cy	50.00	260,500		



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

50	312000	Compact existing sub-grade	140,665	sf	0.50	70,333	
51	312000	Underslab E&B for plumbing	140,665	sf	0.75	105,499	
52		<u>Miscellaneous</u>					
53	334000	Perimeter drain				w/ site drainage	
54	334000	Underslab drainage				NR	
55	312000	Dewatering for foundation work	1	ls	50,000.00	50,000	
56		SUBTOTAL					2,960,596

A1020 SPECIAL FOUNDATIONS

SUBTOTAL

-

A1030 LOWEST FLOOR CONSTRUCTION

033000 CONCRETE

63	033000	Slab on grade, 5" thick					
64	033000	Vapor barrier, heavy duty	140,665	sf	1.50	210,998	
65	033000	Mesh reinforcing 15% lap	161,765	lbs	1.85	299,265	
66	033000	Concrete - 5" thick	2,243	cy	170.00	381,310	
67	033000	Barrier One Admixture				Assume NR	
68	033000	Placing concrete	2,243	cy	90.00	201,870	
69	033000	Premium for sloped/recessed slabs throughout	1	ls	60,000.00	60,000	
70	033000	Finishing and curing concrete	140,665	sf	3.50	492,328	
71	033000	Control joints - saw cut	140,665	sf	0.10	14,067	
72	033000	<u>Elevator Pits: 12" walls</u>	1	ea			
73	033000	Formwork	480	sf	22.00	10,560	
74	033000	Re-bar	1,080	lbs	2.00	2,160	
75	033000	Concrete material	9	cy	170.00	1,530	
76	033000	Placing concrete	9	cy	120.00	1,080	
77	033000	12" thick Mat slab	100	sf	30.00	3,000	
78	033000	Sump pit premium	1	ea	1,500.00	1,500	
79	033000	Loading dock allowance	1	ls	30,000.00	30,000	
80	033000	<u>Miscellaneous</u>					
81	033000	Equipment pads	1	ls	15,000.00	15,000	

072100 THERMAL INSULATION

84	33000	4" EPS insulation 4' at perimeter (A313 notes 4')	10,000	sf	5.50	55,000	
85	33000	2" EPS insulation underslab	130,665	sf	3.00	391,995	

312000 EARTHWORK

SUBTOTAL

2,171,663

TOTAL - FOUNDATIONS

\$5,132,259

A20 BASEMENT CONSTRUCTION

A2010 BASEMENT EXCAVATION

No Work in this section

SUBTOTAL

-

A2020 BASEMENT WALLS

No Work in this section

SUBTOTAL

-

TOTAL - BASEMENT CONSTRUCTION

B10 SUPERSTRUCTURE

108			11.6	lbs/sf			
108			1,112	tns			
109							
109	033000	CONCRETE					
110	33000	WWF reinforcement	58,801	sf	1.85	108,782	
111	33000	Concrete Fill to metal deck; 6-1/4" normal weight	1,094	cy	170.00	185,980	
112	33000	Place and finish concrete	51,431	sf	3.00	153,393	



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

113	33000	Rebar to decks	15,339	lbs	2.00	30,678		
114								
115	051200	STRUCTURAL STEEL FRAMING						
116	51200	Typical floor framing	157	tns	5,100.00	800,700		
117	51200	HSS braced frames and columns	251	tns	5,100.00	1,280,100		
118	51200	Miscellaneous steel angles, plates, supports - 7.5% (bridging buyout allowance)	78	tns	5,100.00	397,800		
119	51200	Relieving angles etc. at exterior closure				incl		
120	51200	Premium for AESS steel	1	ls	15,000.00	15,000		
121	51200	Moment connections	80	ea	850.00	68,000		
122	51200	Shear studs	14,526	ea	2.50	36,315		
123	51200	3" Metal galvanized floor deck	51,131	sf	7.00	357,917		
124	78400	Expansion joints	1	ls	75,000.00	75,000		
125								
126	078100	FIREPROOFING/FIRESTOPPING						
127	78100	Fire proofing to columns and beams; 2 hr	51,131	sf	3.00	153,393		
128	78100	Intumescent paint to columns	1	ls	50,000.00	50,000		
129		SUBTOTAL					3,713,058	
130								
131	B1020	ROOF CONSTRUCTION						
132	033000	CONCRETE						
133	33000	6" Normal weight concrete deck fill	21,500	sf	10.00	215,000		
134								
135	051200	STRUCTURAL STEEL FRAMING						
136	51200	Typical roof framing	534	tns	5,100.00	2,723,400		
137	51200	Open web steel joists and accessories at Gym, Auditorium and Cafeteria	67	tns	5,100.00	341,700		
138	51200	Glu-lam beams; 8.75" x 25.5"	262	lf	223.13	58,460		
139	51200	Glu-lam beams; 8.75" x 31.5"	313	lf	275.63	86,272		
140	51200	Roof screen support	25	tns	5,500.00	137,500		
141	51200	3" galvanized metal roof deck, typical	120,500	sf	7.00	843,500		
142	51200	3" galvanized metal roof deck @ concrete fill	21,500	sf	7.00	150,500		
143	51200	1 1/2" Metal deck @ canopy	40	sf	5.50	220		
144	51200	Premium for acoustic deck	17,680	sf	6.00	106,080		
145								
146	078100	FIREPROOFING/FIRESTOPPING						
147	78100	Fire proofing to columns, beams and deck (excluding acoustic and composite deck)	102,820	sf	3.50	359,870		
148		SUBTOTAL					5,022,502	
149								
150	TOTAL - SUPERSTRUCTURE							\$8,735,560
151								
152								
153	B20	EXTERIOR CLOSURE						
154								
155	B2010	EXTERIOR WALLS	94,267	sf				
156		Exterior Wall Area - Solid	78,978	sf	excluding glazing			
157								
158	40001	042000 MASONRY						
159	40001	Exterior mockup - allow	1	ls	50,000.00	50,000		
160	40001	Standard brick	44,353	sf	44.00	1,951,532		
161	40001	Premium for accents/ recesses	8,102	sf	included in overall unit rate			
162	40001	Chalkboard, slate	106	sf	80.00	8,480		
163	40001	Granite base, 4 1/2" thick	4,971	sf	125.00	621,375		
164	40001	Precast bands/ sills	4,351	lf	75.00	326,325		
165	40001	GF CMU	986	sf	38.00	37,468		
166	40001	Staging to exterior wall	78,978	sf	3.50	276,423		
167								
168	055000	MISC. METALS						
169	101400	Signage - allow	1	ls	15,000.00	15,000		
170	50001	Misc. metals at masonry/ lintels/flashings/drip edge etc.)	50,310	sf	1.50	75,465		
171								



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

172	061000	ROUGH CARPENTRY					
173	61000	Wood blocking and LVL at openings	6,805	lf	12.00	81,660	
174							
175	070001	WATERPROOFING, DAMPPROOFING AND CAULKING					
176	070001	Air barrier at closure	78,978	sf	8.50	671,313	
177	070001	Air barrier/flashing at openings	6,805	lf	6.00	40,830	
178	070001	Miscellaneous sealants to closure	94,267	sf	1.00	94,267	
179							
180	070002	ROOFING AND FLASHING					
181							
182	072100	THERMAL INSULATION					
183	72100	6" Mineral board insulation at masonry	52,785	sf	4.50	237,533	
184	072100	Insulation at glazed openings	6,805	lf	4.00	27,220	
185							
186	076400	CLADDING					
187	76800	S15 Corrugated metal panel, Morin "Pulse" or similar, 4 custom colors	18,394	sf	90.00	1,655,460	
188	76400	S16 Composite metal panel, Alucobond or similar	3,590	sf	110.00	394,900	
189	76400	S16 Metal faced composite wall panel fascia @ spine and canopy soffit/ overhangs	585	sf	110.00	64,350	
190	76400	S16 Metal faced composite wall panel fascia @ spine and canopy soffit/ overhangs	1,530	sf	110.00	168,300	
191	76400	S16 Metal faced composite wall panel soffit @ spine and canopy soffit/ overhangs	658	sf	110.00	72,380	
192	76400	Wood look soffit, Armstrong Metalworks on or similar	700	sf	60.00	42,000	
193	76400	Roof equipment screen; Morin "Pulse" or similar, 4 custom colors, non-acoustical, perforated, 10' high	3,560	sf	80.00	284,800	
194							
195	079513	EXPANSION JOINT COVERS					
196	079500	Expansion joint covers	1	ls	30,000.00	30,000	
197							
198	092900	GYPSON BOARD ASSEMBLIES					
199	92900	Framing and sheathing at fascia and soffits	2,888	sf	15.00	43,320	
200	72100	3 1/2" batt insulation in stud closure	78,978	sf	4.00	315,912	
201	92900	6" metal stud backup	78,978	sf	16.00	1,263,648	
202	92900	1/2" Plywood @ membrane closure	4,209	sf	4.00	16,836	
203	92900	Gypsum Sheathing	78,978	sf	3.50	276,423	
204	92900	5/8" GWB lining to interior face at stud backup	78,978	sf	4.00	315,912	
205		SUBTOTAL					9,459,132
206							
207	B2020	WINDOWS					
208		Exterior Wall Area - Glazed	15,289	sf			
209							
210							
211	070001	WATERPROOFING, DAMPPROOFING AND CAULKING					
212	70001	Backer rod & double sealant	6,805	lf	12.00	81,660	
213							
214	080001	STOREFRONT / CURTAINWALL					
215	080002	Aluminum windows, triple glazed, 7" deep extended perimeter trim	8,875	sf	185.00	1,641,875	
216	080002	Aluminum curtainwall, triple glazed	6,414	sf	230.00	1,475,220	
217	107113	Exterior sun control louvers at CW	1,455	sf	100.00	145,500	
218	107113	Exterior sun control at windows	659	lf	200.00	131,800	
219	80001	Premium for school guard glass @ north and south entrances - allow	1,012	sf	75.00	75,900	
220							
221	089000	LOUVERS					
222	89000	Louvers - allowance per narrative	1	ls	65,000.00	65,000	
223		SUBTOTAL					3,616,955
224							
225	B2030	EXTERIOR DOORS					



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

226	061000	ROUGH CARPENTRY						
227	061000	Wood blocking and LVL at openings	119	lf	20.00	2,380		
228								
229	079200	JOINT SEALANTS						
230	070001	Backer rod & double sealant	119	lf	11.00	1,309		
231								
232	081110	HOLLOW METAL						
233	81110	Single leaf door and frame	1	ea	1,150.00	1,150		
234	81110	Double leaf door and frame	2	pr	2,100.00	4,200		
235								
236	083000	OVERHEAD DOORS						
237	83323	Overhead door @ Fitness,8'x8'	1	ea	6,000.00	6,000		
238	83323	Overhead door @ Loading dock, 10'x11'-4"	1	ea	10,200.00	10,200		
239								
240	084410	ALUMINUM-FRAMED CURTAINWALL ENTRANCES						
241	080002	Glazed entrance doors including frame and hardware; single door	2	ea	7,500.00	15,000		
242	080002	Glazed entrance doors including frame and hardware; double door	11	pr	13,000.00	143,000		
243								
244	087100	DOOR HARDWARE						
245	87100	Hardware to exterior door	5	ea	1,400.00	7,000		
246	87100	Allowance for automatic door operators	1	ea	10,000.00	10,000		
247								
248	090007	PAINTING						
249	90007	Paint door and frame	5	ea	200.00	1,000		
250		SUBTOTAL					201,239	
251								
252	TOTAL - EXTERIOR CLOSURE							\$13,277,326

B30 ROOFING

253								
254								
255								
256								
257		B3010 ROOF COVERINGS						
258	070002	055000 MISCELLANEOUS METALS						
259	50001	Roof ladders - allow	1	ls	20,000.00	20,000		
260								
261	061000	ROUGH CARPENTRY						
262	092900	Wood blocking & rough carpentry	142,000	sf	1.50	213,000		
263								
264	070002	ROOFING AND FLASHING	142,000	total area				
265	070002	ERA-1, 1A; 60mil PVC roof membrane system, 1/2" coverboard, 8.5" polyiso insulation, vapor barrier on substrate board	122,675	sf	28.00	3,434,900		
266	070002	ERA-1B; 60mil PVC roof membrane system, 1/2" coverboard, 8.5" polyiso insulation, vapor barrier	18,725	sf	24.00	449,400		
267	070002	ERA-2; PVC roof membrane system, 1/2" coverboard on 1/2" plywood	600	sf	16.00	9,600		
268	070002	PVC roof membrane on exterior wall w/ 8" roof insulation board	4,209	sf	20.00	84,180		
269	070002	Miscellaneous roofing						
270	070002	Parapet coping w/ 8" brake formed metal roof fascia, typical	3,900	lf	40.00	156,000		
271	76400	Sheet metal edge fascia @ spine and canopies	760	lf	25.00	19,000		
272	070002	Miscellaneous flashings, accessories etc.	142,000	sf	0.50	71,000		
273	070002	Walkway pads - allow	6,000	sf	15.00	90,000		
274	070002	Anti-bird device	1	ls	20,000.00	20,000		
275		SUBTOTAL					4,567,080	
276								
277		B3020 ROOF OPENINGS						
278	086300	ROOF OPENINGS						
279	70002	Skylights; plastic unit, 44"x46"	6	ea	3,500.00	21,000		
280	70002	Roof hatch w/ ladder				None shown		
281	70002	Smoke hatch at Stage; 5'-8"x8'-3"	4	ea	15,000.00	60,000		
282		SUBTOTAL					81,000	
283								
284	TOTAL - ROOFING							\$4,648,080



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

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C10 INTERIOR CONSTRUCTION

C1010 PARTITIONS

042000 MASONRY

40001	M4 - 4" CMU	4,835	sf	30.00	145,050		
40001	M4C - 4" CMU	551	sf	30.00	16,530		
40001	M6 - 6" CMU	1,714	sf	32.00	54,848		
40001	M6A - 6" CMU	5,936	sf	32.00	189,952		
40001	M8 - 8" CMU	3,427	sf	34.00	116,518		
40001	M8A - 8" CMU	826	sf	34.00	28,084		
40001	M8R2 - 8" CMU, 2 Hr	1,928	sf	38.00	73,264		
40001	Elevator shaft wall	1,193	sf	38.00	45,334		
40001	Lifts scaffolding allowance for all walls	20,410	sf			included in rates	

055000 MISCELLANEOUS METALS

050001	Seismic clips	333	ea	200.00	66,600		
050001	Misc. metals to CMU	20,410	sf	1.00	20,410		

061000 ROUGH CARPENTRY

061000	Rough blocking at partitions, interior opes, accessories etc.	191,796	gsf	1.25	239,745		
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078100 FIREPROOFING/FIRESTOPPING

078400	Miscellaneous fire stopping	191,796	gsf	0.50	95,898		
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070001 WATERPROOFING, DAMPPROOFING AND CAULKING

070001	Miscellaneous sealants throughout building	191,796	gsf	1.15	220,565		
79500	Allowance for expansion joint covers	1	ls	50,000.00	50,000		

080002 GLASS AND GLAZING

Hollow metal interior window frames

081110	As per takeoff (same count of 96 windows)						
081110	1A-3#	69	sf	55.00	3,795		
081110	1B-7#	119	sf	55.00	6,545		
081110	1C-30#	300	sf	55.00	16,500		
081110	1D-6#	72	sf	55.00	3,960		
081110	1E-45#	1,260	sf	55.00	69,300		
081110	1F-2#	82	sf	55.00	4,510		
081110	1G-1#	41	sf	55.00	2,255		
080001	Glazing in BL frames	1,943	sf	50.00	97,150		
080001	Control room sliding acoustic window-1H	2	ea	2,700.00	5,400		
080001	Interior transaction window, 4' 0" x 4' 0"	3	ea	7,500.00	22,500		
	<u>Interior storefronts</u>						
080002	7'-0", 7'-2" high @ weights, alt PE, career center	239	sf	120.00	28,680		
080002	9'-0" @ gym, grad coach	288	sf	120.00	34,560		
080002	9'-6" high 10' high @ vestibules/spine	877	sf	120.00	105,240		
080002	14'-0" high @ media center	266	sf	120.00	31,920		
080002	6'-4" high @ media center	88	sf	120.00	10,560		
080002	8-10" high @ media enter	706	sf	120.00	84,720		
080001	Premium for school guard glass	877	sf	75.00	65,775		
080001	Mirrors in Alt P.E.	294	sf	50.00	14,700		

092900 GYPSUM BOARD ASSEMBLIES

Interior drywall partitions

092900	C3A - 3 5/8" metal stud, insulation, 2#5/8" gwb o.s.	9,578	sf	15.50	148,459		
092900	C3C - 3 5/8" metal stud, insulation, 5/8" gwb o.s.	107	sf	12.50	1,338		
092900	G4 - 4" metal stud, insulation, cement liner ea side, SAB	887	sf	17.00	15,079		
092900	G4C - 4" metal stud, insulation, cement liner one side, 1 lry GWB opp side, SAB	2,708	sf	18.00	48,744		
092900	C4H - 6" metal stud, insulation, 5/8" gwb o.s	5,676	sf	14.50	82,302		
092900	C6 - 6" metal stud, insulation, 5/8" gwb o.s	2,876	sf	14.50	41,702		



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
NEW SCHOOL DETAIL							
346	092900 G6 - 6" metal stud, insulation, (1)lyr 5/8" gwb b.s.	33,706	sf	19.00	640,414		
347	092900 G6A - 6" metal stud, insulation, 1 layer 5/8" gwb o.s., 2 layers o.s.	57,773	sf	22.00	1,271,006		
348	092900 G6B - 6" metal stud, insulation, 2# 5/8" gwb b.s.	26,041	sf	25.00	651,025		
349	092900 G6D - 6" metal stud, insulation, 1# 5/8" gwb o.s., 2# gwb o.s.+ cement liner	8,996	sf	22.00	197,912		
350	092900 G6E - 6" metal stud, 1 layer 5/8" gwb b.s.	4,238	sf	20.00	84,760		
351	092900 G6R - 6" metal stud, insulation, 5/8" gwb b.s., 1hr rated	7,007	sf	20.00	140,140		
352	092900 G10B - allowance	7,834	sf	25.00	195,850		
353	092900 G12A; 6" metal stud, 2 1/2" metal stud, 2 layers gwb o.s., 1 layer o.s., insulation in both studs	10,725	sf	23.00	246,675		
354	092900 G12B; 6" metal stud, 2 1/2" metal stud, 2 layers gwb b.s., insulation in both studs	11,062	sf	26.00	287,612		
355	092900 G12E; 6" metal stud, 2 1/2" metal stud, 1 layers gwb b.s., insulation in both studs	107	sf	20.00	2,140		
356	092900 G14B; 6" metal stud, 2 1/2" metal stud, 2 layers gwb b.s., insulation in both studs	7,421	sf	26.00	192,946		
357	092900 G18 - allowance	1,193	sf	25.00	29,825		
358	092900 P10A; Double 3 5/8" metal stud, 1 layer gwb b.s., insulation in each stud (not on schedule)	1,362	sf	25.00	34,050		
359	092900 P10D; Double 3 5/8" metal stud, 1 layer gwb o.s., 2 layers os, insulation in each stud	1,438	sf	23.00	33,074		
360	092900 P10C; Double 3 5/8" metal stud, 1 layer gwb b.s. in each stud	704	sf	25.00	17,600		
361	092900 P10E- allowance	918	sf	25.00	22,950		
362	092900 Misc. low walls at millwork, auditorium	850	sf	15.00	12,750		
363	092900 Furring at CMU- A type walls	7,955	sf	7.00	55,685		
364	092900 Allowance for high impact and abuse resistant gwb, level 5 finish at select locations, moisture resistant gwb, reveals/ trim, high STC premium etc. and lift/scaffolding premium	1	ls	50,000.00	50,000		
365						6,474,906	
366							

C1020 INTERIOR DOORS

HM Frames

369	081110 Hollow metal frame, Type A	249	ea	300.00	74,700		
370	081110 Hollow metal frame, Type D, double	21	ea	350.00	7,350		
371	081110 Hollow metal frame, Type E, single	16	ea	300.00	4,800		
372	081110 Hollow metal frame, Type E, double	14	ea	350.00	4,900		
373	081110 Hollow metal frame, Type G	12	ea	300.00	3,600		
374	081110 Hollow metal frame, Type H, double	7	ea	345.00	2,415		
375	081110 <u>HM Frames @ sidelights, transoms welded</u>						
376	081110 Framing to type E HM frame, single doors	16	ea	182.50	2,920		
377	081110 Framing to type E HM frame, double doors	14	ea	250.00	3,500		
378	081110 Framing to type G HM frame	12	ea	765.00	9,180		
379	081110 Framing to type H HM frame	7	ea	1,000.00	7,000		
380	081110 <u>HM Doors</u>						
381	081110 HM single door type 2, with vent	44	ea	450.00	19,800		
382	081110 HM single door type A/1	19	ea	400.00	7,600		
383	081110 HM double doors type 6	9	pr	800.00	7,200		
384	081110 HM double doors type 7, full lites	7	pr	1,300.00	9,100		
385	081110 <u>Steel doors</u>						
386	081110 HM single door type 5 full lite	4	ea	3,500.00	14,000		
387	081110 <u>Pivot doors</u>						
388	081110 Pivot doors - allow	4	ea	10,000.00	40,000		
389	081110 <u>Wood Doors</u>						
390	081110 Wood door, Type 1 SL flush	162	ea	500.00	81,000		
391	081110 Wood door, Type 3, SL, with viewing panel	27	ea	550.00	14,850		
392	081110 Wood door, Type 4, SL, with half lite	25	ea	700.00	17,500		
393	081110 Wood door, Type 7, DL, double full lites	8	pr	1,700.00	13,600		
394	081110 Wood door, Type 9, DL, with viewing panel	12	pr	1,100.00	13,200		
395	081110 <u>Misc.</u>						
396	081110 Premium for fire rated ,STC, full seals etc.	1	ls	20,000.00	20,000		



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
NEW SCHOOL DETAIL							
397	081110	Install door and hardware	357	lvs	400.00	142,800	
398	081110	Install door frame	319	ea	200.00	63,800	
399							
400	080002	GLASS AND GLAZING					
401	080001	Glazing to sidelights and transoms	1,003	sf	50.00	50,150	
402							
403	083110	ACCESS DOORS AND FRAMES					
404	083100	Access doors	1	ls	10,000.00	10,000	
405							
406							
407	101500	OPERABLE PARTITIONS					
408	083513	Acrylic folding wall in Alt PE, manual	16	lf	1,250.00	20,000	
409							
410	084113	ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS					
411	080002	Glazed aluminum entrance door and hardware, single	3	ea	6,500.00	19,500	
412	080002	Glazed aluminum entrance door and hardware, double	14	pr	13,500.00	189,000	
413	080002	FG Glass doors	2	ea	4,000.00	8,000	
414							
415	083400	COILING GRILLES					
416	083323	Overhead coiling doors in servery, aluminum open grille, electric, 10'x8'	2	ea	10,400.00	20,800	
417	083323	Overhead coiling doors in tray drop, aluminum open grille, electric, 5'x3'-6"	1	ea	2,275.00	2,275	
418	083323	Overhead coiling doors@ toilets (2 loc), aluminum open grille, electric, 5'-6"x8'	2	ea	5,720.00	11,440	
419	083323	Overhead coiling doors @ 2nd floor Learning stair, assume 13' high, aluminum open grille, electric, 15'x8'	1	ea	15,600.00	15,600	
420							
421	087100	HARDWARE					
422	087100	Door hardware	1	ls	375,000.00	375,000	
423							
424	090007	PAINTING					
425	090007	Finish doors and frames	357	ea	200.00	71,400	
426		SUBTOTAL					1,377,980
427							
428	C1030	SPECIALTIES / MILLWORK					
429							
430	055000	MISCELLANEOUS METALS					
431	050001	Allowance for 2" catwalk grating, rails and ladders/stair (1160SF/580LF RAILS)	1	ls	300,000.00	300,000	
432	050001	Unistrut in science classrooms	924	lf	25.00	23,100	
433	050001	Guardrail at open to below areas					
434	050001	wood top rail and powder coated perforated metal rail	192	lf	400.00	76,800	
435	050001	flat stock metal baluster w/ cross rail and guardrail, maple top rail in Auditorium	110	lf	280.00	30,800	
436	080001	Metal guardrail @ C21	37	lf	400.00	14,800	
437	050001	Miscellaneous metals throughout building	191,796	gsf	2.90	556,208	
438							
439	061000	ROUGH CARPENTRY					
440	092900	Backer panels in electrical closets	1	ls	10,000.00	10,000	
441							
442	064020	INTERIOR ARCHITECTURAL WOODWORK					
443	062000	Window sill; solid surface	1,329	lf	65.00	86,385	
444	062000	Hardwood trim at window jamb, 4" wide (A511)	2,871	lf	30.00	86,130	
445	062000	Hardwood trim in Auditorium - allow	152	lf	125.00	19,000	
446	062000	<u>Pre-K Classrooms</u>	1	rms			
447	062000	CUB-70 with hanging hooks and lockable storage below	3	ea	6,000.00	18,000	
448	062000	Window seat D5/A406- entire surround	1	ea	3,000.00	3,000	
449	062000	Window seat D7/A406	1	ea	1,500.00	1,500	
450	062000	<u>Admin A105a</u>					
451	062000	Admin desk w/ solid surface counter desk with countertop shelf	16	lf	1,000.00	16,000	
452	062000	<u>Sped Admin A103b</u>					



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
NEW SCHOOL DETAIL							
453	062000 Admin desk w/ solid surface counter desk with countertop shelf	10	lf	1,000.00	10,000		
454	062000 <u>Principal sec</u>						
455	062000 Admin desk w/ solid surface counter desk with countertop shelf	6	lf	1,000.00	6,000		
456	123553 <u>ALT PE Room</u>						
457	123553 Cubbies CU48	3	ea	4,000.00	12,000		
458	123553 <u>OT/PT</u>						
459	123553 Cubbies CU48	2	ea	4,000.00	8,000		
460	123553 <u>Corridors/Cafeteria</u>						
461	062000 Corridor bench @ B10- standard	27	lf	350.00	9,450		
462	062000 Custom wood bench @ cafeteria with back	25	lf	750.00	18,750		
463	062000 Custom wood bench @ corridor D10, E12, D20, E22	118	lf	600.00	70,800		
464	062000 Custom recycling station @ cafeteria	24	lf	700.00	16,800		
465	062000 Custom millwork under stairs @cafeteria	22	lf	1,100.00	24,200		
466	062000 Solid surface counter @ glass wall @ cafeteria	34	lf	350.00	11,900		
467	062000 Solid surface counter @ glass wall @ corridor C21	23	lf	350.00	8,050		
468	062000 Solid surface counter @ glass wall @ stair202	15	lf	350.00	5,250		
469	062000 Solid surface counter @ glass wall @ stair204	16	lf	350.00	5,600		
470	062000 Reception desk @ Media center	13	lf	1,200.00	15,600		
471	062000 <u>Media Center</u>						
472	062000 Media desk with linoleum countertop	13	lf	850.00	11,050		
473	062000 B36 bookcase, 6 shelves high	17	ea	2,250.00	38,250		
474	062000 B24 bookcase, 6 shelves high	2	ea	1,500.00	3,000		
475	062000 B42 bookcase, 6 shelves high	3	ea	2,625.00	7,875		
476	062000 <u>Library office</u>						
477	062000 B36 bookcase, 6 shelves high	1	ea	2,250.00	2,250		
478	062000 Plastic laminate coat rod and shelf in closets - allowance	1	ls	10,000.00	10,000		
479							
480	070001 WATERPROOFING, DAMPPROOFING AND CAULKING						
481							
482	101100 VISUAL DISPLAY SURFACES						
483	101100 White boards	8,248	sf	24.00	197,952		
484	101100 Homosote board in Art studios	459	sf	15.00	6,885		
485	101100 6" high tack strip in classrooms - allow	1,500	lf	15.00	22,500		
486							
487	101400 DISPLAY CASES						
488	101200 Display cases	56	lf	850.00	47,600		
489	101200 Art display rail (A401 & model)	240	lf	20.00	4,800		
490	101200 2-D Poster/ Art Display (11#) outside Auditorium - allow	1	ls	10,000.00	10,000		
491							
492	101400 SIGNAGE						
493	101400 Room Signs, other signage	191,796	gsf	0.75	143,847		
494	101400 Graphics in Gymnasium	1,327	sf	20.00	26,540		
495							
496	102110 TOILET/ CHANGING/SHOWER COMPARTMENTS						
497	102113 ADA	8	ea	1,800.00	14,400		
498	102113 Standard	25	ea	1,600.00	40,000		
499	102113 Urinal screen	3	ea	650.00	1,950		
500							
501	102600 CORNER GUARDS						
502	102600 Allowance for wall protection	1	ls	10,000.00	10,000		
503							
504	102800 TOILET ACCESSORIES						
505	102813 Gang toilet room accessories	2	rms	3,000.00	6,000		
506	102813 Locker room toilet accessories	2	rms	2,000.00	4,000		
507	102813 Single toilet room	39	rms	1,350.00	52,650		
508	102813 Air dryer				None shown		
509	102813 Shower accessories	7	loc	750.00	5,250		
510	102813 Shower seat in ADA	3	ea	1,000.00	3,000		



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

511	102813	Janitors closet accessories	6	ea	600.00	3,600	
512	102813	Baby changing table - allow	2	ea	1,200.00	2,400	
513	102813	Allowance for OFCI accessories in classrooms, science rooms etc.; paper towel dispensers, soap dispensers etc.	1	ls	5,000.00	5,000	
514							
515	102123	CUBICLE CURTAINS					
516	102123	Cubicle curtain track (3#)	1	ls	3,000.00	3,000	
517							
518	104313	DEFIBRILLATOR CABINETS					
519	104400	Defibrillator cabinets - allowance	1	ls	1,500.00	1,500	
520							
521	104400	FIRE PROTECTION SPECIALTIES					
522	104400	Fire extinguisher cabinets	1	ls	25,000.00	25,000	
523							
524	105000	LOCKERS					
525	105113	D Wing & E Wing, double tier w/ electronic locks	200	opes	300.00	60,000	
526	105113	Staff lockers; double tier w/ combination locks, 15"x15" in Custodial, Kitchen and Teacher Planning	60	opes	280.00	16,800	
527	105113	Athletic lockers, double tier in Gym corridor	42	opes	250.00	10,500	
528	105113	Athletic lockers, single tier in Gym corridor	21	ea	400.00	8,400	
529	105113	Athletic lockers, single tier w/ built-in bench in locker room & GN locker	146	ea	500.00	73,000	
530	105113	Locker room athletic lockers, double tier	160	opes	250.00	40,000	
531	105113	Locker bench	16	lf	125.00	2,000	
532	105113	4' ADA bench	4	ea	500.00	2,000	
533		SUBTOTAL					2,387,122
534							
535		TOTAL - INTERIOR CONSTRUCTION					\$10,240,008

C20 STAIRCASES

536							
537							
538							
539							
540		C2010 STAIR CONSTRUCTION					
541	033000	CONCRETE					
542	50001	Concrete fill to stairs	4	flt	3,000.00	12,000	
543							
544	055000	MISCELLANEOUS METALS					
545	50001	Academic stairs including rails including stainless steel handrail w/ wood top rail and tensioned steel cable rails (66lf), 6' wide	2	flt	70,000.00	140,000	
546	50001	Core stair S103, 8' wide including perforated risers, stainless steel handrail w/ wood top rail and powder coated perforated metal rails (72lf)	1	flt	80,000.00	80,000	
547	50001	Learning stair adjacent to core stair, 5' wide - including stainless steel handrail w/ wood top rail and tensioned steel cable rails (58lf)	1	flt	60,000.00	60,000	
548	50001	Premium for learning stair tiered seating framing	410	sf	75.00	30,750	
549	50001	Stair in D wing roof access	1	flt	20,000.00	20,000	
550		SUBTOTAL					342,750
551							
552		C2020 STAIR FINISHES					
553	064020	INTERIOR ARCHITECTURAL WOODWORK					
554	062000	Wood tread/bench and riser @ Learning stair seating	410	sf	75.00	30,750	
555							
556	090001	TERRAZZO					
557	090001	Precast terrazzo treads at core stair	2	flt	20,000.00	40,000	
558							
559	090005	RESILIENT FLOORS					
560	090005	Rubber tile at stairs treads, risers and landings	2	flts	5,000.00	10,000	
561							
562	090007	PAINTING					
563	90007	High performance coating to stairs including all railings etc.	4	flt	3,000.00	12,000	
564		SUBTOTAL					92,750
565							
566		TOTAL - STAIRCASES					\$435,500



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

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573

C30 INTERIOR FINISHES

C3010 WALL FINISHES

064020 INTERIOR ARCHITECTURAL WOODWORK

574	062000	Wood paneling; flat veneer; design to allowance					
575	062000	Auditorium	3,998	sf	80.00	319,840	
576	062000	LGI	217	sf	80.00	17,360	
577	062000	Spine	208	sf	80.00	16,640	
578	062000	Metal panel in Café, east (A405&A416)	203	sf	100.00	20,300	
579	062000	FRP panels at kitchen, full height to 11'	3,410	sf	14.00	47,740	
580	062000	FRP panels at utility closets - allow (not shown on schedule)	1,376	sf	14.00	19,264	

581
582

090002 TILE

24,751 sf total tile

583	090002	Porcelain tile					
584	090002	Cafeteria/ Spine; 4'/12' high	2,048	sf	36.00	73,728	
585	090002	Academic wing corridors; 48" high	10,185	sf	36.00	366,660	
586	090002	Ceramic tile					
587	090002	At drinking fountains and classroom entries, 9' high	4,320	sf	34.00	146,880	
588	090002	Locker rooms @ sink wet wall only, full height, 8'-6" high	323	sf	34.00	10,982	
589	090002	Core bathrooms @ wet wall only, full height, 7' high	889	sf	34.00	30,226	
590	090002	Single toilets, full height, 7' high	6,986	sf	34.00	237,524	

591
592

090007 PAINTING

593	090007	Paint to interior walls	404,988	sf	0.85	344,240	
594	090007	Epoxy paint premium - allowance	40,499	sf	0.50	20,250	
595	090007	Misc. touch-up painting throughout	191,796	gsf	0.20	38,359	

596
597

097200 WALLCOVERINGS

598
599

098413 SOUND ABSORBING PANELS

600	98413	Acoustical Wood Panels (ASI Audition panels or equal)					
601	98413	Auditorium	1,635	sf	100.00	163,500	
602	98413	Spine	1,735	sf	100.00	173,500	
603	98413	Fabric-Faced Acoustical Wood Fiber Wall Panels					
604	98413	Band	396	sf	40.00	15,840	
605	98413	Chorus	527	sf	40.00	21,080	
606	98413	Auditorium	220	sf	40.00	8,800	
607	98413	Tectum wall panels					
608	098413	Gym	1,160	sf	24.00	27,840	
609	098413	Cafeteria	169	sf	24.00	4,056	
610	098413	LGI	292	sf	24.00	7,008	

611
612

SUBTOTAL

2,131,617

613
614

C3020 FLOOR FINISHES

615
616

033000 CONCRETE

616	033000	Moisture protection				assumed not required	
617	033000	Sealed concrete	13,597	sf	2.50	33,993	
618	033000	Polished concrete	2,451	sf	14.00	34,314	

619
620

090002 TILE

621	090002	Ceramic floor tile - bathrooms, 12" x 24" (PT-2)	5,668	sf	38.00	215,384	
622	090002	Porcelain floor tile - main hall/corridors; 12"x24" & 24"x24" with crack isolation membrane (PT-1)	20,905	sf	40.00	836,200	
623	090002	Tile base at non-tile wainscot areas	415	lf	25.00	10,375	

624
625

090005 RESILIENT FLOORS

626	090005	Floor prep/ protection	89,948	sf	1.50	134,922	
627	090005	Linoleum sheet - Forbo Marmoleum	65,716	sf	7.50	492,870	



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

628	090005	Premium for patterning	16,979	sf	0.50	8,490	
629	090005	Rubber Tile - Norament 992 Grano 9mm - Locker Rooms + Gym Corridor (R-1&R-2)	5,892	sf	18.00	106,056	
630	090005	Rubber Tile - Noraplan Evironcare - Lab Space (R-3)	13,177	sf	14.00	184,478	
631	090005	Rubber Tile - Weight Room, interlocking,24"x24" (RS-4)	1,007	sf	20.00	20,140	
632	090005	Rubber - Gerflor; Taraflex - Alternative PE Space (R-5)	1,903	sf	20.00	38,060	
633	096800	Carpet - Forbo - Flotex (CPT-6)	2,253	sf	7.00	15,771	
634	090005	Resilient base	22,463	lf	3.00	67,389	
635	090005	Rubber cove base	1,558	lf	4.00	6,232	
636							
637	096400	WOOD FLOORING					
638	096466	Wood athletic flooring	11,978	sf	24.00	287,472	
639	096400	Stage flooring	1,577	sf	25.00	39,425	
640	096466	Vented base	637	lf	8.00	5,096	
641							
642	097500	RESINOUS FLOORING					
643	097500	Epoxy flooring w/ integral base	4,236	sf	22.00	93,192	
644							
645	096820	TILE CARPETING					
646	096800	Carpet tile	24,849	sf	6.50	161,519	
647							
648	124810	ENTRANCE FLOOR MAT AND FRAMES					
649	124813	WOM	1,032	sf	18.00	18,576	
650	124813	Aluminum entrance grille	1,438	sf	90.00	129,420	
651		SUBTOTAL					2,939,374
652							
653	C3030	CEILING FINISHES					
654							
655	098129	ACOUSTICAL INSULATION					
656	98120	K-13 Insulation	5,160	sf	10.00	51,600	
657							
658	090003	ACOUSTICAL TILE					
659	90003	ACT - 2x2, typical	114,609	sf	6.80	779,341	
660	90003	ACT - 2x2, washable	10,120	sf	7.25	73,370	
661	90003	Sound Clouds in Auditorium ; ASI Cloud Convex or similar; 8'x4' panel	54	ea	2,560.00	138,240	
662	90003	Sound reflecting panels @ Stage; Ovation Reflector Panels or equal	732	sf	75.00	54,900	
663	90003	Allowance for bag insulation above Auditorium & Stage reflectors	2,460	sf	5.00	12,300	
664	90003	Pyramidal sound diffusing panels in Chorus & Band; Wenger (sf allowance per dwgs)	1,200	sf	35.00	42,000	
665	90003	Wood slat ceiling, Rulon or similar	2,500	sf	55.00	137,500	
666	90003	Uninsulated Wood Look ceiling	371	sf	55.00	20,405	
667							
668	090007	PAINTING					
669	090007	Paint to GWB ceilings and soffits	15,433	sf	1.00	15,433	
670	090007	Paint exposed structure	45,720	sf	3.00	137,160	
671							
672	092900	GYPSON BOARD ASSEMBLIES					
673	092900	GWB ceiling, typical	4,427	sf	16.00	70,832	
674	092900	GWB ceiling, 1 hr	986	sf	18.00	17,748	
675	092900	Window soffits; allow (A139)	2,505	lf	50.00	125,250	
676	092900	GWB soffits throughout	191,796	gsf	0.50	95,898	
677		SUBTOTAL					1,771,977
678							
679		TOTAL - INTERIOR FINISHES					\$6,842,968
680							
681							
682	D10	CONVEYING SYSTEMS					
683							
684	D1010	ELEVATOR					
685							
686	055000	MISCELLANEOUS METALS					



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

687	050001	Pit ladder	1	ea	2,500.00	2,500		
688	050001	Sill angle	15	lf	25.00	375		
689								
690	142000	ELEVATOR						
691	142424	Elevator, MRL traction; 5000lb, 2 stop, double sided	1	ea	190,000.00	190,000		
692		SUBTOTAL					192,875	
693								
694	TOTAL - CONVEYING SYSTEMS							\$192,875

D20 PLUMBING

D2010 PLUMBING FIXTURES

700		<u>Equipment</u>					
701	220000	Electric domestic water heater (300Gal, 54KW) EWH-1,2,3	3	ea	30,000.00	90,000	
702	220000	Electric domestic water heater (33Gal, 12KW) EWH-4 & 5	2	ea	15,000.00	30,000	
703	220000	Expansion Tank ET-1	5	ea	3,300.00	16,500	
704	220000	Hot water circulator pump assembly	4	ea	2,500.00	10,000	
705	220000	Thermostatic Mixing valve	1	ea	8,000.00	8,000	
706	220000	Water meter assembly	1	ea	4,200.00	4,200	
707	220000	Sub water meter assembly	2	ea	1,500.00	3,000	
708	220000	Main reduced pressure backflow preventer	1	ea	5,300.00	5,300	
709	220000	Reduced pressure backflow preventer	5	ea	2,000.00	10,000	
710	220000	Acid Neutralization Pits - 2 tanks	1	ls	75,000.00	75,000	
711	220000	Elevator Sump Pump	1	ea	6,300.00	6,300	
712	220000	Interior Grease interceptor (allow)	3	ea	4,200.00	12,600	
713	220000	Exterior Grease interceptor					w/site
714	220000	Rough-in & connection to kitchen equipment	1	ls	30,000.00	30,000	
715	220000	Misc. plumbing equipment	191,796	sf	0.50	95,898	
716	220000	<u>Radon Mitigation system</u>					
717	220000	Radon Mitigation system allowance; plenum boxes and stacks only	1	ls	30,000.00	30,000	
718	220000	<u>Fixtures</u>					
719	220000	Water closet	56	ea	2,390.00	133,840	
720	220000	Urinal	4	ea	2,350.00	9,400	
721	220000	Lavatory	31	ea	2,350.00	72,850	
722	220000	2-Station lavatory	2	ea	5,750.00	11,500	
723	220000	3-Station lavatory	2	ea	9,150.00	18,300	
724	220000	4-Station lavatory	2	ea	12,283.00	24,566	
725	220000	Shower	7	ea	2,950.00	20,650	
726	220000	Classroom sink	34	ea	2,150.00	73,100	
727	220000	Kitchenette sink	2	ea	2,050.00	4,100	
728	220000	Art room sink with solid interceptor	2	ea	3,000.00	6,000	
729	220000	Science classroom sink and prep sinks - Install only	64	ea	1,300.00	83,200	
730	220000	Emergency eyewash / shower incl TMV	3	ea	2,750.00	8,250	
731	220000	Mop sink	4	ea	2,050.00	8,200	
732	220000	Drinking fountain; bi-level w/ bottle fill	5	ea	4,550.00	22,750	
733	220000	Electric Water Cooler	3	ea	4,300.00	12,900	
734	220000	Hose Bibb	10	ea	500.00	5,000	
735	220000	Frost Proof Hose Bibb	6	ea	800.00	4,800	
736	220000	Refrigerator Outlet	9	ea	400.00	3,600	
737	220000	Ice Maker Connection (Allow)	4	ea	450.00	1,800	
738	220000	Dishwasher Connection (Allow)	4	ea	450.00	1,800	
739	220000	Washer Outlet Box (Allow)	4	ea	500.00	2,000	
740	220000	Roof hydrants	7	ea	1,500.00	10,500	
741	220000	Miscellaneous plumbing fixtures/ equipment	191,796	gsf	0.25	47,949	
742	220000	<u>Domestic & non potable piping</u>					
743	220000	Copper pipe type L with fittings & hangers 2 1/2" or less	16,000	lf	65.00	1,040,000	
744	220000	Copper pipe type L with fittings & hangers 6"	650	lf	90.00	58,500	
745	220000	Valves & accessories	1	ls	180,000.00	180,000	



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

746	220000	<u>Sanitary waste and venting</u>					
747	220000		9	ea	1,800.00		16,200
748	220000		3	ea	1,800.00		5,400
749	220000		10,000	lf	70.00		700,000
750	220000	<u>Acid waste and venting</u>					
751	220000		2,000	lf	85.00		170,000
752	220000	<u>Kitchen waste and venting</u>					
753	220000		1,200	lf	75.00		90,000
754	220000	<u>Storm & Overflow Drainage, Hubless Cast Iron Pipe</u>					
755	220000		10,000	lf	85.00		850,000
756	220000		66	ea	2,400.00		158,400
757	220000		1	ls	8,000.00		8,000
758	220000	<u>Science room gas piping</u>					
759	220000						Assume N/R
760	220000	<u>Science compressed air piping</u>					
761	220000						Assume N/R
762	220000	<u>Pipe insulation</u>					
763	220000		16,650	lf	15.00		249,750
764	220000		4,800	lf	24.00		115,200
765	220000	<u>Miscellaneous</u>					
766	220000		1	ls	20,000.00		20,000
767	220000		1	ls	35,000.00		35,000
768	220000		2	ls	35,000.00		70,000
769	220000		1	ls	40,000.00		40,000
770	220000		1	ls	175,000.00		175,000
771	220000		1	ls	40,000.00		40,000
772	220000						waived
773	220000						SUBTOTAL 5,035,303

TOTAL - PLUMBING	\$5,035,303
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D30 HVAC

780	230000	<u>Heating / Cooling Equipment</u>					
781	230000		250	tons	2,500.00		625,000
782	230000		27	ea	5,500.00		148,500
783	230000		177	ea	2,800.00		495,600
784	230000		12	ea	8,500.00		102,000
785	230000		10	ea	1,600.00		16,000
786	230000		10	ea	2,500.00		25,000
787	230000		26	lf	120.00		3,120
788	230000		2	ea	3,500.00		7,000
789	230000		191,796	sf	0.25		47,949
790	230000	<u>Air Distribution</u>					
791	230000		1	ls	2,500,000.00		2,500,000
792	230000						AHU-A-1 packaged DX heat pump unit - 12,000cfm incl above
793	230000						AHU-A-2 packaged DX heat pump unit - 4,000cfm incl above
794	230000						AHU-B-1 packaged DX heat pump unit - 20,000cfm incl above
795	230000						AHU-B-2 packaged DX heat pump unit - 7,000cfm incl above
796	230000						AHU-C-1 packaged DX heat pump unit - 6,000cfm incl above
797	230000						AHU-C-2 packaged DX heat pump unit - 13,000cfm incl above
798	230000						AHU-D-1 packaged DX heat pump unit - 6,000cfm incl above
799	230000						AHU-D-1 packaged DX heat pump unit - 5,000cfm incl above
800	230000		1	ls	2,425,000.00		DOAS's - packaged DX heat pump units w/ energy recovery - DAC Quotation No. PSW031524-1 2,425,000
801	230000						DOAS-A-1 packaged DX heat pump unit w/ HR - 4,000cfm incl above
802	230000						DOAS-A-2 packaged DX heat pump unit w/ HR - 5,000cfm incl above



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

803	230000	DOAS-B-1 packaged DX heat pump unit w/ HR - 3,000cfm					incl above
804	230000	DOAS-B-2 packaged DX heat pump unit w/ HR - 4,500cfm					incl above
805	230000	DOAS-D-1 packaged DX heat pump unit w/ HR - 9,000cfm					incl above
806	230000	DOAS-D-2 packaged DX heat pump unit w/ HR - 9,000cfm					incl above
807	230000	DOAS-E-1 packaged DX heat pump unit w/ HR - 8,000cfm					incl above
808	230000	DOAS-E-2 packaged DX heat pump unit w/ HR - 8,000cfm					incl above
809	230000	MAU-1 - 4,800cfm	4,800	cfm	16.00	76,800	
810	230000	MAU-2 - 4,800cfm	4,800	cfm	16.00	76,800	
811	230000	Roof Curbs for AHU's & DOAS - <u>DAC Quotation No. PSW031524-1</u>	1	ea	200,000.00	200,000	
812	230000	<u>Exhaust fan</u>					
813	230000	Cafeteria Kitchen hood exhaust	6,000	cfm	3.00	18,000	
814	230000	Dishwasher exhaust	6,000	cfm	2.00	12,000	
815	230000	Culinary Art Kitchen hood exhaust	7,000	cfm	2.00	14,000	
816	230000	Kiln exhaust	1,000	cfm	2.50	2,500	
817	230000	Lab exhaust fan 2no. - <u>DAC Quotation No. PSW031524-1</u>	1	ls	120,000.00	120,000	
818	230000	Exhaust fans (<1000cfm)	6	ea	2,000.00	12,000	
819	230000	<u>Sheet metal & Accessories</u>					
820	230000	Galvanized ductwork with fittings & hangers	160,000	lbs	18.50	2,960,000	
821	230000	Duct insulation.	96,000	sf	5.50	528,000	
822	230000	Premium for Duct lining (allowance)	1	ls	75,000.00	75,000	
823	230000	Black steel welded ductwork with hangers	5,000	lbs	28.00	140,000	
824	230000	Duct insulation, fire wrap	3,500	sf	27.00	94,500	
825	230000	Stainless steel welded duct fume hood exhaust	2,000	lbs	28.00	56,000	
826	230000	Aluminum duct- locker area	1,500	lbs	26.00	39,000	
827	230000	Sound attenuators	32	ea	2,500.00	80,000	
828	230000	VAV - Electric	53	ea	1,500.00	79,500	
829	230000	EVAV's	31	ea	1,200.00	37,200	
830	230000	Registers, grilles & diffusers	191,796	sf	0.75	143,847	
831	230000	Sheetmetal miscellaneous accessories	191,796	sf	0.40	76,718	
832	230000	<u>Mech. Piping</u>					
833	230000	Refrigerant piping with fittings & hangers; hard copper ACCU - BC	7,400	lf	60.00	444,000	
834	230000	Refrigerant piping with fittings & hangers; ACR; BC - FCU	10,000	lf	50.00	500,000	
835	230000	Refrigerant piping with fittings & hangers; Split system	2,400	lf	55.00	132,000	
836	230000	<u>Condensate Drain Piping</u>					
837	230000	Condensate drain piping with fittings & hangers, copper	4,320	lf	40.00	172,800	
838	230000	<u>Piping Insulation</u>					
839	230000	Piping insulation	24,120	lf	12.00	289,440	
840	230000	<u>Automatic Temperature Controls</u>					
841	230000	Automatic Temperature Controls Proprietary	191,796	sf	9.00	1,726,164	
842	230000	<u>Balancing</u>					
843	230000	System testing & balancing	191,796	sf	1.25	239,745	
844	230000	<u>Miscellaneous</u>					
845	230000	Coring, cutting, sleeves & fire stopping	1	ls	15,000.00	15,000	
846	230000	Vibration isolation and supports	1	ls	30,000.00	30,000	
847	230000	Hydraulic lifts/rigging	1	ls	170,000.00	170,000	
848	230000	Coordination / BIM / ENG Support / As-Builts	1	ls	425,000.00	425,000	
849	230000	Commissioning Support	1	ls	40,000.00	40,000	
850	230000	Fees & permits				waived	
851		SUBTOTAL					15,421,183
852							
853		TOTAL - HVAC					\$15,421,183
854							
855							
856		D40 FIRE PROTECTION					
857							
858		D40 FIRE PROTECTION, GENERALLY					
859	210000	<u>Fire Protection Equipment</u>					
860	210000	Fire water service entrance	1	ea	7,500.00	7,500	
861	210000	Double check valve assembly incl. BFP	1	ea	10,000.00	10,000	
862	210000	Wet alarm check valve assembly	1	ea	5,500.00	5,500	
863	210000	Dry alarm check valve	2	ea	6,000.00	12,000	



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

864	210000	Dry alarm check valve compressor	1	ea	12,000.00	12,000		
865	210000	Floor Control Valve assembly	7	ea	2,200.00	15,400		
866	210000	Fire department connection	1	ea	1,250.00	1,250		
867	210000	Electric bell	1	ea	600.00	600		
868	210000	Misc. Fire Protection Equipment	191,796	sf	0.25	47,949		
869	210000	Fire Protection Service						
870	210000	Sprinkler heads	1,977	ea	125.00	247,125		
871	210000	Main sprinkler piping	4,500	lf	57.00	256,500		
872	210000	Branch sprinkler piping	19,524	lf	42.00	820,008		
873	210000	Miscellaneous						
874	210000	Coordination & BIM	1	ls	65,000.00	65,000		
875	210000	Hydraulic calculations	1	ls	3,500.00	3,500		
876	210000	Coring, sleeves & fire stopping	1	ls	6,500.00	6,500		
877	210000	Shop drawings	1	ls	3,500.00	3,500		
878	210000	Commissioning of system	1	ls	10,000.00	10,000		
879		Fees & permits				waived		
880		SUBTOTAL					1,524,332	
881								
882	TOTAL - FIRE PROTECTION							\$1,524,332
883								
884								
885	D50 ELECTRICAL							
886								
887	D5010 SERVICE & DISTRIBUTION							
888	Gear & Distribution							
889	260000	Allowance for Utility co. co-ordination	1	ls	250,000.00	250,000		
890	260000	400A 277/480V main switchboard	1	ea	225,000.00	225,000		
891	260000	600A 277/480V distribution panelboard	1	ea	12,000.00	12,000		
892	260000	400A 277/480V distribution panelboard	5	ea	7,500.00	37,500		
893	260000	100A 277/480V panelboard	6	ea	1,705.00	10,230		
894	260000	112.5KVA dry type transformer	1	ea	9,589.00	9,589		
895	260000	75KVA dry type transformer k-rated	6	ea	9,089.00	54,534		
896	260000	75KVA dry type transformer	1	ea	7,853.00	7,853		
897	260000	45KVA dry type transformer	4	ea	5,736.00	22,944		
898	260000	400A 120/208V double tub panelboard	1	ea	6,986.00	6,986		
899	260000	250A 120/208V triple tub panelboard	1	ea	10,500.00	10,500		
900	260000	250A 120/208V double tub panelboard	5	ea	7,000.00	35,000		
901	260000	150A 120/208V double tub panelboard	1	ea	4,962.00	4,962		
902	260000	150A 120/208V panelboard	2	ea	2,481.00	4,962		
903	260000	100A 120/208V panelboard	1	ea	1,705.00	1,705		
904	260000	400A disconnect	2	ea	3,553.00	7,106		
905	260000	200A disconnect	2	ea	1,671.00	3,342		
906	260000	Metering	1	ea	60,000.00	60,000		
907	260000	SPD	7	ea	1,700.00	11,900		
908	260000	Normal power feeders						
909	260000	400A CU feed	40	lf	193.24	7,730		
910	260000	250A CU feed	40	lf	100.61	4,024		
911	260000	225A CU feed	200	lf	83.57	16,714		
912	260000	200A CU feed	170	lf	71.06	12,080		
913	260000	150A CU feed	280	lf	53.83	15,072		
914	260000	100A CU feed	510	lf	37.97	19,365		
915	260000	80A CU feed	90	lf	36.00	3,240		
916	260000	60A CU feed	200	lf	22.52	4,504		
917	260000	600A AL feed	100	lf	173.33	17,333		
918	260000	400A AL feed	1,500	lf	164.25	246,375		
919	260000	150A AL feed	40	lf	45.76	1,830		
920	260000	Emergency power						
921	260000	Generator package, materials allowance	1	ls	525,000.00	525,000		
922	260000	Installation labor:						
923	260000	900KW diesel fueled generator set in weatherproof enclosure	1	ea	25,000.00	25,000		
924	260000	4000A 600V transclosure cabinet	1	ea	5,000.00	5,000		



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
NEW SCHOOL DETAIL							
925 260000	1200A 4 pole automatic transfer switch	1	ea	3,000.00	3,000		
926 260000	400A 4 pole manual transfer switch for temp generator	1	ea	1,500.00	1,500		
927 260000	150A 4 pole automatic transfer switch	1	ea	1,000.00	1,000		
928 260000	1200A 277/480V distribution panelboard	1	ea	32,000.00	32,000		
929 260000	225A 277/480V panelboard	5	ea	2,850.00	14,250		
930 260000	150A 277/480V panelboard	1	ea	2,482.00	2,482		
931 260000	100A 277/480V panelboard	7	ea	1,705.00	11,935		
932 260000	75KVA dry type transformer	1	ea	7,853.00	7,853		
933 260000	45KVA dry type transformer k-rated	2	ea	6,850.00	13,700		
934 260000	45KVA dry type transformer	5	ea	5,736.00	28,680		
935 260000	250A 120/208V double tub panelboard	1	ea	7,000.00	7,000		
936 260000	150A 120/208V double tub panelboard	6	ea	4,962.00	29,772		
937 260000	150A 120/208V panelboard	1	ea	2,481.00	2,481		
938 260000	200A disconnect	2	ea	1,671.00	3,342		
939 260000	SPD	7	ea	500.00	3,500		
940 260000	Networked energy metering system (26 panels) with connections to BMS	1	ls	30,000.00	30,000		
941 260000	Emergency power feeders						
942 260000	225A CU feed	20	lf	83.57	1,671		
943 260000	150A CU feed	350	lf	53.83	18,841		
944 260000	100A CU feed	200	lf	37.97	7,594		
945 260000	60A CU feed	160	lf	22.52	3,603		
946 260000	1200A AL feed	70	lf	497.27	34,809		
947 260000	200A AL feed	1,340	lf	60.40	80,936		
948 260000	150A AL feed	450	lf	45.76	20,592		
949 260000	150A MI feed	50	lf	106.00	5,300		
950 260000	60A MI feed	700	lf	44.00	30,800		
951 260000	<u>Grounding</u>						
952 260000	Grounding & bonding	191,796	sf	0.50	95,898		
953 260000	Telecom closet grounding	6	ea	750.00	4,500		
954 260000	Lightning protection	191,796	sf	0.65	124,667		
955 260000	<u>Photovoltaic System</u>						
956 260000	Solar roof mounted PV system; 450 KWAC	1	ls	1,250,000	1,250,000		
957 260000	PV array battery storage, site	1	ea	700,000.00	700,000		
958 260000	PV inverter	3	loc		Included		
959 260000	PV switchboard by Utility Co	1	ea		Included		
960 260000	2" EMT	200	lf	18.00	3,600		
961 260000	Rough-in:	1	ls	15,000.00	15,000		
962 260000							
963 260000	<u>Equipment Wiring</u>						
964 260000	ACC feed, connection & FSS WP	12	ea	3,500.00	42,000		
965 260000	ACCU feed, connection & FSS WP	26	ea	2,500.00	65,000		
966 260000	ACU feed, connection & safety switch	12	ea	2,500.00	30,000		
967 260000	Air curtain feed, connection & safety switch	2	ea	1,500.00	3,000		
968 260000	AHU feed, connection & FSS WP	8	ea	3,500.00	28,000		
969 260000	BC feed & connection	27	ea	1,750.00	47,250		
970 260000	CP feed & connection	2	ea	1,500.00	3,000		
971 260000	CUH/UH feed & connection	20	ea	1,250.00	25,000		
972 260000	DOAS feed, connection & FSS WP	8	ea	5,000.00	40,000		
973 260000	Elevator 200A feed, connection & FSS	1	ea	3,500.00	3,500		
974 260000	EF/KEF/DEF/LEF feed, connection & NFSS WP	10	ea	2,000.00	20,000		
975 260000	EPH 100A feed, connection & NFSS WP	5	ea	3,500.00	17,500		
976 260000	FCU-VRF feed & connection	177	ea	950.00	168,150		
977 260000	FTR feed & connection	26	ea	1,500.00	39,000		
978 260000	VAV feed & connection	53	ea	1,250.00	66,250		
979 260000	MAU feed, connection & FSS WP	2	ea	3,500.00	7,000		
980 260000	Overhead door feed, connection & FSS	1	ea	2,250.00	2,250		
981 260000	Overhead door feed, connection & NFSS	1	ea	2,000.00	2,000		
982 260000	Projection screen feed & connection, LV to control station	1	ea	1,500.00	1,500		
983 260000	Kitchen equipment wiring	1	ls	35,000.00	35,000		



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

984	260000	Gymnasium:					
985	260000	Motorized back stop operator feed, connection & SM	6	ea	2,000.00	12,000	
986	260000	Motorized backstop height adjuster feed, connection & SM	6	ea	2,000.00	12,000	
987	260000	Scoreboard with controls and shot clock	1	ea	2,500.00	2,500	
988	260000	Equipment wiring not yet detailed	191,796	sf	0.50	95,898	
989	260000	SUBTOTAL					5,037,484

D5020 LIGHTING & POWER

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
992	260000	<u>Lighting Fixtures</u>					
993	260000	Type LP1	1,891	lf	130.00	245,830	
994	260000	Type LP2	921	lf	130.00	119,730	
995	260000	Type LP3	9	ea	2,700.00	24,300	
996	260000	Type LP4	9	ea	750.00	6,750	
997	260000	Type LP4A	6	ea	850.00	5,100	
998	260000	Type LP5	37	ea	650.00	24,050	
999	260000	Type LP5A	44	ea	650.00	28,600	
1000	260000	Type LP6	35	ea	450.00	15,750	
1001	260000	Type LP7	11	ea	450.00	4,950	
1002	260000	Type LP11	334	lf	90.00	30,060	
1003	260000	Type LR1	53	ea	420.00	22,260	
1004	260000	Type LR2	90	ea	380.00	34,200	
1005	260000	Type LR3	397	ea	400.00	158,800	
1006	260000	Type LR3A	94	ea	400.00	37,600	
1007	260000	Type LR3B	31	ea	450.00	13,950	
1008	260000	Type LR3C	59	ea	400.00	23,600	
1009	260000	Type LR3D	23	ea	450.00	10,350	
1010	260000	Type LR4	60	lf	130.00	7,800	
1011	260000	Type LR4 4'	13	ea	400.00	5,200	
1012	260000	Type LR4A	2,168	lf	130.00	281,840	
1013	260000	Type LR4B	254	lf	130.00	33,020	
1014	260000	Type LR4C	409	lf	130.00	53,170	
1015	260000	Type LR5	156	lf	130.00	20,280	
1016	260000	Type LR6	39	ea	450.00	17,550	
1017	260000	Type LR7 1X4	141	ea	355.00	50,055	
1018	260000	Type LR8	790	lf	130.00	102,700	
1019	260000	Type LR8A	426	lf	130.00	55,380	
1020	260000	Type LR9	146	lf	130.00	18,980	
1021	260000	Type LS1	32	lf	130.00	4,160	
1022	260000	Type LS2	14	ea	350.00	4,900	
1023	260000	Type LS4	99	lf	90.00	8,910	
1024	260000	Type LT1 track	174	lf	60.00	10,440	
1025	260000	Type LT2 track fixture	48	ea	300.00	14,400	
1026	260000	Type LW1	18	ea	750.00	13,500	
1027	260000	4' BOH	40	ea	400.00	16,000	
1028	260000	8' BOH	3	ea	800.00	2,400	
1029	260000	Roof top fixture, allow	20	ea	250.00	5,000	
1030	260000	X1 Exit sign	32	ea	320.00	10,240	
1031	260000	XHC	6	ea	320.00	1,920	
1032	260000	Lighting scope not yet depicted	191,796	sf	1.00	191,796	
1033	260000	<u>Lighting controls</u>					
1034	260000	Digital Addressable Lighting control system	191,796	sf	1.25	239,745	
1035	260000	Single pole LV switch	30	ea	65.00	1,950	
1036	260000	Single pole LV dimmer switch	150	ea	75.00	11,250	
1037	260000	Occupancy sensor, ceiling mnt	300	ea	220.00	66,000	
1038	260000	Occupancy sensor, wall mnt	30	ea	220.00	6,600	
1039	260000	Single pole timer switch	4	ea	65.00	260	
1040	260000	Single pole switch WP, allow	20	ea	45.00	900	
1041	260000	Lighting control scope not yet depicted	191,796	sf	0.50	95,898	
1042	260000	<u>Lighting & Control Circuitry</u>					
1043	260000	Device plate	250	ea	5.60	1,400	



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
NEW SCHOOL DETAIL							
1044	260000	Device box	3,020	ea	32.00	96,640	
1045	260000	3/4" EMT	13,000	lf	11.00	143,000	
1046	260000	#12 THHN	70,000	lf	1.10	77,000	
1047	260000	MC cable	35,000	lf	5.66	198,100	
1048	260000	Cat cable	30,000	lf	2.30	69,000	
1049	260000	Circuitry to not yet depicted	191,796	sf	1.00	191,796	
1050	260000	<u>Branch Devices</u>					
1051	260000	Duplex receptacle	900	ea	29.30	26,370	
1052	260000	Duplex at GMD	128	ea	29.30	3,750	
1053	260000	Duplex in AV drawings, allow as isolated ground	46	ea	65.00	2,990	
1054	260000	Double duplex receptacle	200	ea	58.50	11,700	
1055	260000	Double duplex in floor box, allow	34	ea	58.50	1,989	
1056	260000	GFI duplex receptacle	230	ea	45.50	10,465	
1057	260000	Special purpose outlet	13	ea	85.00	1,105	
1058	260000	Special L6-50R	1	ea	100.00	100	
1059	260000	Conn in restroom	14	ea	100.00	1,400	
1060	260000	Conn misc.	6	ea	100.00	600	
1061	260000	Conn theater seat light	45	ea	85.00	3,825	
1062	260000	SC shade controller	1	ea	100.00	100	
1063	260000	Cord reel	60	ea	1,200.00	72,000	
1064	260000	Floor box	34	ea	600.00	20,400	
1065	260000	Time control module	1,000	ea	50.00	50,000	
1066	260000	Branch device & circuitry scope not yet detailed	191,796	sf	0.10	19,180	
1067	260000	<u>Branch Circuitry</u>					
1068	260000	WP device plate	58	ea	21.70	1,259	
1069	260000	Device plate	1,500	ea	5.60	8,400	
1070	260000	Device box	1,600	ea	32.00	51,200	
1071	260000	3/4" EMT	7,200	lf	11.00	79,200	
1072	260000	1" PVC conduit in floor, allow	1,000	lf	15.00	15,000	
1073	260000	#12 THHN	50,000	lf	1.10	55,000	
1074	260000	MC cable	21,600	lf	5.66	122,256	
1075	260000	Circuitry to not yet depicted	191,796	sf	0.80	153,437	
1076		SUBTOTAL					3,646,786
1077							
1078		D5030 COMMUNICATION & SECURITY SYSTEMS					
1079	260000	<u>Telecommunications</u>					
1080	260000	Head-end: network switches, VOIP telephone, handsets etc.	1	ls	500,000.00	500,000	
1081	260000	MDF fitout	1	ea	7,500.00	7,500	
1082	260000	IDF fitout	5	ea	3,500.00	17,500	
1083	260000	Telephone device	6	ea	25.00	150	
1084	260000	Telephone device at GMD	128	ea	25.00	3,200	
1085	260000	Data device	1	ea	25.00	25	
1086	260000	Data device, CCTV	120	ea	25.00	3,000	
1087	260000	2 Port data device	46	ea	50.00	2,300	
1088	260000	2 Port data device, in floor box, allow	34	ea	50.00	1,700	
1089	260000	4 Port data device	2	ea	100.00	200	
1090	260000	V4	54	ea	60.00	3,240	
1091	260000	V5	53	ea	60.00	3,180	
1092	260000	WAP, ceiling	63	ea	750.00	47,250	
1093	260000	WAP, wall	4	ea	750.00	3,000	
1094	116100	Backbone cable (allow from MDF to each IDF)	1,700	lf	25.00	42,500	
1095	260000	Cat cable	130,000	lf	2.20	286,000	
1096	260000	Rough-in:					
1097	260000	MDF rough-in	1	ea	7,500.00	7,500	
1098	260000	IDF rough-in	5	ea	5,000.00	25,000	
1099	260000	Cable tray	106	lf	50.00	5,300	
1100	260000	4" EMT sleeves	24	ea	250.00	6,000	
1101	260000	4" EMT (allow 2 run from MDF to each IDF)	3,600	lf	62.60	225,360	
1102	260000	Backboard	6	ea	1,000.00	6,000	
1103	260000	WAP back box	64	ea	32.00	2,048	



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
NEW SCHOOL DETAIL							
1104	260000	1" PVC conduit in floor, allow	1,000	lf	15.00	15,000	
1105	260000	Device box with 1" conduit to ceiling	191	ea	160.00	30,560	
1106	260000	Device box with 1 1/4" conduit to ceiling	223	ea	226.00	50,398	
1107	260000	2 gang device box with 1 1/4" conduit to ceiling	54	ea	226.00	12,204	
1108	260000	2 gang device box with 1 1/4" & 2" conduit to ceiling	53	ea	420.00	22,260	
1109	260000	<u>Digital Signage System</u>					
1110	260000	Digital Signage System (rough in only)	191,796	sf	0.20	38,359	
1111	260000	<u>Public Address/Clock System</u>					
1112	260000	Head-end	1	ls	50,000.00	50,000	
1113	260000	Clock device at GMD (plugs into adjacent receptacle)	128	ea	150.00	19,200	
1114	260000	Speaker	308	ea	220.00	67,760	
1115	260000	Speaker cabling	18,000	lf	3.00	54,000	
1116	260000	Rough-in:					
1117	260000	Speaker back box	308	ea	120.00	36,960	
1118	260000	Clock MC cable				NR	
1119	260000	<u>AV Equipment</u>					
1120	260000	Auditorium	1	ls	205,000.00	205,000	
1121	260000	Gymnasium	1	ls	80,000.00	80,000	
1122	260000	Cafeteria	1	ls	215,000.00	215,000	
1123	260000	LGI	1	ls	50,000.00	50,000	
1124	260000	Band & Chorus	1	ls	35,000.00	35,000	
1125	260000	Media Center				N.I.C.	
1126	260000	TV Studio				N.I.C.	
1127	260000	Classroom speech reinforcement, allow	53	ea	3,000	159,000	
1128	260000	Rough-in:					
1129	260000	Classroom speech reinforcement, allow	53	ea	750	39,750	
1130	260000	1 gang back box	48	ea	32.00	1,536	
1131	260000	2 gang back box	5	ea	42.00	210	
1132	260000	3 gang back box	4	ea	52.00	208	
1133	260000	4 gang back box	8	ea	62.00	496	
1134	260000	5 gang back box	1	ea	70.00	70	
1135	260000	10 gang back box	2	ea	150.00	300	
1136	260000	12X12X6 wall box	10	ea	250.00	2,500	
1137	260000	10X10X4" box	2	ea	250.00	500	
1138	260000	8X8X4 NEMA wall box	3	ea	200.00	600	
1139	260000	6X6X6 NEMA wall box	7	ea	150.00	1,050	
1140	260000	4x4" weather proof box	16	ea	150.00	2,400	
1141	260000	4x4" box	1	ea	32.00	32	
1142	260000	Loudspeaker enclosure	9	ea	250.00	2,250	
1143	260000	Junction box - sizing TBD	3	ea	250.00	750	
1144	260000	1" EMT	2,500	lf	12.90	32,250	
1145	260000	1-1/2" EMT	500	lf	22.85	11,425	
1146	260000	1-1/4" EMT	1,500	lf	19.50	29,250	
1147	260000	3/4" EMT	5,000	lf	10.00	50,000	
1148	260000	<u>Auditorium Performance System</u>					
1149	260000	Theater rigging	1	ls	55,500.00	Div 11	
1150	260000	Theater lighting	1	ls	731,000.00	Div 11	
1151	260000	Theater dimming controls	1	ls	141,000.00	Div 11	
1152	260000	Power to motorized batten & curtains, allow	1	ls	10,000.00	10,000	
1153	260000	Installation, rough-in and power	1	ls	40,000.00	40,000	
1154	260000	Stage dimmer rack installation	1	ea	1,500.00	1,500	
1155	260000	House rack installation	1	ea	1,500.00	1,500	
1156	260000	250A AL feed	350	lf	85.52	29,932	
1157	260000	150A AL feed	350	lf	45.76	16,016	
1158	260000	TV Studio Lighting	1	ls		N.I.C.	
1159	260000	Rough-in and power	1	ls	20,000.00	20,000	
1160	260000	<u>Specialty Communication Systems</u>					
1161	260000	Area of refuge - elevator lobby communication	1	ls	15,000.00	15,000	
1162	260000	Bi-directional amplification system	191,796	sf	0.65	124,667	
1163	260000	Cell repeater system	1	ls	125,000.00	125,000	



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
NEW SCHOOL DETAIL							
1164	260000						
	<u>Fire alarm</u>						
1165	260000		1 ea	75,000.00	75,000		
1166	260000		1 ea	1,850.00	1,850		
1167	260000		2 ea	350.00	700		
1168	260000		2 ea	300.00	600		
1169	260000		2 ea	350.00	700		
1170	260000		1 ls	1,850.00	1,850		
1171	260000		20 ea	115.00	2,300		
1172	260000		207 ea	156.00	32,292		
1173	260000		15 ea	156.00	2,340		
1174	260000		16 ea	680.00	10,880		
1175	260000		1 ea	220.00	220		
1176	260000		235 ea	160.00	37,600		
1177	260000		5 ea	160.00	800		
1178	260000		2 ea	175.00	350		
1179	260000		1 ea	140.00	140		
1180	260000		63 ea	140.00	8,820		
1181	260000		57 ea	140.00	7,980		
1182	260000		1 ea	155.00	155		
1183	260000		1 ea	220.00	220		
1184	260000		2 ea	160.00	320		
1185	260000		1 ls	350.00	350		
1186	260000		20 ea	250.00	5,000		
1187	260000		1 ls	15,000.00	15,000		
1188	260000		60 ea	250.00	15,000		
1189	260000		21 ea	75.00	1,575		
1190	260000		1 ls	17,000.00	17,000		
1191	260000						
	Rough-in						
1192	260000		725 ea	32.00	23,200		
1193	260000		1,400 lf	11.00	15,400		
1194	260000		3,500 lf	1.50	5,250		
1195	260000		30,000 lf	6.50	195,000		
1196	260000		191,796 sf	0.50	95,898		
1197	260000						
	<u>Security System</u>						
1198	260000		1 ls	150,000.00	150,000		
1199	260000		7 ea		Included above		
1200	260000		7 ea		Included above		
1201	260000		1 ls		Included above		
1202	260000		1 ls		Included above		
1203	260000		1 ls	50,000.00	50,000		
1204	260000		23 ea	1,100.00	25,300		
1205	260000		53 ea	1,100.00	58,300		
1206	260000		15 ea	1,500.00	22,500		
1207	260000		21 ea	1,250.00	26,250		
1208	260000		8 ea	1,600.00	12,800		
1209	260000		9 ea	1,500.00	13,500		
1210	260000		21 ea	1,700.00	35,700		
1211	260000		52 ea	750.00	39,000		
1212	260000		95 ea	200.00	19,000		
1213	260000		69 ea	200.00	13,800		
1214	260000		18 ea	250.00	4,500		
1215	260000		53 ea	250.00	13,250		
1216	260000		9 ea	1,500.00	13,500		
1217	260000		2 ea	750.00	1,500		
1218	260000		103 ea	200.00	20,600		
1219	260000		23 ea	200.00	4,600		
1220	260000		35,000 lf	2.00	70,000		
1221	260000						
	Rough-in						
1222	260000		49 ea	65.00	3,185		
1223	260000		418 ea	125.00	52,250		



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

1224	260000	Device box with 1" conduit stub, allow to cameras	120	ea	160.00	19,200		
1225	260000	SUBTOTAL				4,140,371		
1226	260000							
1227	260000	D5040 OTHER ELECTRICAL SYSTEMS						
1228	260000	Temp power, lights & fire alarm	191,796	sf	1.00	191,796		
1229	260000	Identification, Firestopping, Seismic	1	ls	15,000.00	15,000		
1230	260000	Coordination/Power Studies (protective device, short circuit etc.)	1	ls	25,000.00	25,000		
1231	260000	Coordination/BIM/Management	1	ls	300,000.00	300,000		
1232	260000	Fees & Permits				Waived		
1233	260000	SUBTOTAL				531,796		
1234								
1235		TOTAL - ELECTRICAL						\$13,356,437
1236								
1237								
1238		E10 EQUIPMENT						
1239								
1240		E10 EQUIPMENT, GENERALLY						
1241								
1242	119000	MISCELLANEOUS EQUIPMENT						
1243	119000	Loading dock leveler and bumpers	1	ls	20,000.00	20,000		
1244	119000	Kiln	1	ea	3,000.00	3,000		
1245	119000	Whirlpool	1	ea	12,500.00	12,500		
1246	119000	Medicine lockbox in Nurses	1	ea	1,000.00	1,000		
1247	119000	Hydraulic changing table in Medic Fragile	1	ea	10,000.00	10,000		
1248								
1249	113100	APPLIANCES						
1250	113100	Allowance for appliances	1	ls	58,300.00	58,300		
1251	113100	Dishwasher, domestic (1 per science prep)	4	ea	included in allowance			
1252	113100	Fridge w/ ice maker in Nurse	1	ea	included in allowance			
1253	113100	Refrigerator (Kitchen @ Admin, Teacher Planning, Medic, & Life Skills)	10	ea	included in allowance			
1254	113100	Fridge in Science Prep	4	ea	included in allowance			
1255	113100	Freezer in Science Prep	4	ea	included in allowance			
1256	113100	Microwave	7	ea	included in allowance			
1257	113100	Ice making machines (Athletic Trainer's Office - 90lbs & Science Prep rooms - 50lbs)	5	ea	included in allowance			
1258	113100	Washer	4	ea	included in allowance			
1259	113100	Dryer	4	ea	included in allowance			
1260	113100	Stacked washer & dryer, light commercial	1	ea	included in allowance			
1261	114000	Culinary Arts Classroom equipment - allowance	1	ls	40,000.00	40,000		
1262	114000	Range w/ oven	7	ea	included in allowance			
1263	114000	Sink disposal	7	ea	included in allowance			
1264	114000	Reach-in freezer	1	ea	included in allowance			
1265	114000	Reach-in refrigerator	2	ea	included in allowance			
1266	114000	Microwave	3	ea	included in allowance			
1267	114000	Washer	1	ea	included in allowance			
1268	114000	Dryer	1	ea	included in allowance			
1269								
1270	114000	FOOD SERVICE EQUIPMENT						
1271	114000	Food Service equipment budget per J.M. Schiavone	1	ls	1,585,000.00	1,585,000		
1272	114000	Culinary Arts Classroom commercial U/C dishwasher budget per J.M. Schiavone	1	ls	13,000.00	13,000		
1273								
1274	115213	PROJECTION SCREENS						
1275	115213	Motorized projection screen in Auditorium (per AV Consultant allowance)	1	ls	60,000.00	60,000		
1276								
1277	115300	LABORATORY EQUIPMENT						
1278	115313	Allowance for science room equipment	1	ls	130,300.00	130,300		
1279	115313	Fume hoods (3 @ 4' & 2 6')	5	ea	included in allowance			
1280	115313	Bio-safety cabinet	4	ea	included in allowance			
1281	115300	Chemical storage cabinets	4	ea	included in allowance			



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

1282	115300	Germicidal goggle cabinet	9	ea			included in allowance	
1283	115300	Wall mounted fire blanket cabinet	9	ea			included in allowance	
1284	115300	Wall mounted First Aid kit	9	ea			included in allowance	
1285	115300	Pegboards	50	ea			included in allowance	
1286								
1287	116000	AUDITORIUM EQUIPMENT						
1288		Allowance per Nextstage Design, dated February 23, 2024						
1289	116100	Adjustable acoustic	1	ls	99,000.00	99,000		
1290	116100	Theater rigging	1	ls	55,500.00	55,500		
1291	116100	Stage Curtains	1	ls	23,500.00	23,500		
1292	116100	Auditorium Lighting fixtures	1	ls	731,000.00	731,000		
1293	116100	Auditorium Lighting Controls	1	ls	141,000.00	141,000		
1294								
1295	116600	ATHLETIC + OTHER EQUIPMENT						
1296	116623	Basketball backstops	6	ea	10,000.00	60,000		
1297	116623	Scoreboard	2	ea	20,000.00	40,000		
1298	116623	Shot timer	1	ea	5,000.00	5,000		
1299	116623	Gym wall pads	1,300	sf	15.00	19,500		
1300	116623	Wall pads in OT/PT and Safe room	504	sf	15.00	7,560		
1301	116623	Volleyball equipment	1	ls	5,000.00	5,000		
1302	116653	Divider curtain	1	ea	42,840.00	42,840		
1303	116623	Suspended batting cage (1#) and mat hoist (2#)	1	ls	25,000.00	25,000		
1304	116623	Ballet bar in Alt PE	40	lf	200.00	8,000		
1305		SUBTOTAL					3,196,000	
1306								
1307	TOTAL - EQUIPMENT							\$3,196,000
1308								

E20 FURNISHINGS

E2010 FIXED FURNISHINGS

1313	123553	CASEWORK					
1314		As per A600					
1315		all counters to be plastic laminate with the following exceptions and uon:					
1316		• counters in labs, lab prep rooms, and chem storage room to be epoxy.					
1317		• counters on custom millwork desks to be solid surface, except for media center desk which is to be linoleum.					
1318		• counters in cafeteria b (at curtainwall) and in corridor c21 to be solid surface.					
1319	123553	<u>Pre-K Classrooms</u>	1	ea			
1320	123553	Base cabinet w/ plam counter	11	lf	500.00	5,500	
1321	123553	Upper cabinet above cubbies	19	lf	300.00	5,700	
1322	123553	TC36 - Tall cabinet	2	ea	2,200.00	4,400	
1323	123553	WB36- Tall cabinet with fixed shelf and hanger rod	1	ea	2,400.00	2,400	
1324	123553	<u>Video Lab</u>	1	ea			
1325	123553	TC36 - Tall cabinet	2	ea	2,200.00	4,400	
1326	123553	WB36- Tall cabinet with fixed shelf and hanger rod	1	ea	2,400.00	2,400	
1327	123553	<u>Art studio</u>	2	ea			
1328	123553	Base cabinet w/ plam counter	7	lf	500.00	3,500	
1329	123553	Upper cabinet	20	lf	300.00	6,000	
1330	123553	TC36 - Tall cabinet	5	ea	2,200.00	11,000	
1331	123553	WB36- Tall cabinet with fixed shelf and hanger rod	2	ea	2,400.00	4,800	
1332	123553	Wire walls shelving, 6 high	8	lf	175.00	1,400	
1333	123553	OC24- open base cabinets with shelves and counter	36	lf	400.00	14,400	
1334	123553	<u>Art storage</u>					
1335	123553	Wire walls shelving, 6 high	24	lf	175.00	4,200	
1336	123553	<u>Kitchenette</u>					
1337	123553	Base cabinet w/ plam counter	9	lf	500.00	4,500	
1338	123553	Upper cabinet	11	lf	300.00	3,300	
1339	123553	<u>Admin A105a</u>					



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
NEW SCHOOL DETAIL							
1340	123553 Base cabinet w/ solid surface counter	16	lf	550.00	8,800		
1341	123553 <u>Sped Admin A103b</u>						
1342	123553 Base cabinet w/ solid surface counter	27	lf	550.00	14,850		
1343	123553 <u>Principal sec</u>						
1344	123553 Base cabinet w/ solid surface counter	23	lf	550.00	12,650		
1345	123553 <u>Mail time/duplicating</u>						
1346	123553 Plam counter on supports	8	lf	150.00	1,200		
1347	123553 Base cabinet w/ plam counter	3	lf	500.00	1,500		
1348	123553 <u>Exam rooms</u>	2	ea				
1349	123553 Base cabinet w/ plam counter	9	lf	500.00	4,500		
1350	123553 Upper cabinet	9	lf	300.00	2,700		
1351	123553 <u>Life skills</u>	2	rms				
1352	123553 Base cabinet w/ plam counter	16	lf	500.00	8,000		
1353	123553 Upper cabinet	26	lf	300.00	7,800		
1354	123553 TC36 - Tall cabinet	5	ea	2,200.00	11,000		
1355	123553 WB36- Tall cabinet with fixed shelf and hanger rod	3	ea	2,400.00	7,200		
1356	123553 <u>Medically fragile</u>	1	rms				
1357	123553 Base cabinet w/ plam counter	7	lf	500.00	3,500		
1358	123553 Upper cabinet	4	lf	300.00	1,200		
1359	123553 TC36 - Tall cabinet	1	ea	2,200.00	2,200		
1360	123553 WB36- Tall cabinet with fixed shelf and hanger rod	2	ea	2,400.00	4,800		
1361	123553 <u>Trainer</u>	1	rms				
1362	123553 Base cabinet w/ plam counter	6	lf	500.00	3,000		
1363	123553 <u>ALT PE Room</u>	1	rms				
1364	123553 Cubbies CU48						with millwork
1365	123553 <u>OT/PT</u>	1	rms				
1366	123553 TC36 - Tall cabinet	2	ea	2,200.00	4,400		
1367	123553 WB36- Tall cabinet with fixed shelf and hanger rod	1	ea	2,400.00	2,400		
1368	123553 Cubbies CU48						with millwork
1369	123553 <u>FCS</u>						
1370	123553 Base cabinet w/ solid surface counter	20	lf	550.00	11,000		
1371	123553 Island benches base cabinets and counter C1/A414, 7#	7	ea	3,500.00	24,500		
1372	123553 Upper cabinet	20	lf	300.00	6,000		
1373	123553 TC36 - Tall cabinet	3	ea	2,200.00	6,600		
1374	123553 TC42 - Tall cabinet	2	ea	2,800.00	5,600		
1375	123553 <u>Teacher Planning</u>	4	rms				
1376	123553 Base cabinet w/ plam counter	52	lf	500.00	26,000		
1377	123553 Upper cabinet	48	lf	300.00	14,400		
1378	123553 Plam top on MDF on brackets	52	lf	175.00	9,100		
1379	123553 TC36 - Tall cabinet	8	ea	2,200.00	17,600		
1380	123553 Wire walls shelving, 6 high	48	lf	175.00	8,400		
1381	123553 <u>Resource</u>	4	rms				
1382	123553 TC36 - Tall cabinet	4	ea	2,200.00	8,800		
1383	123553 WB36- Tall cabinet with fixed shelf and hanger rod	4	ea	2,400.00	9,600		
1384	123553 <u>ELL</u>	1	rms				
1385	123553 TC36 - Tall cabinet	2	ea	2,200.00	4,400		
1386	123553 <u>Large group instruction</u>						
1387	123553 Base cabinet w/ plam counter	6	lf	500.00	3,000		
1388	123553 Upper cabinet	6	lf	300.00	1,800		
1389	123553 TC36 - Tall cabinet	1	ea	2,200.00	2,200		
1390	123553 WB36- Tall cabinet with fixed shelf and hanger rod	1	ea	2,400.00	2,400		
1391	123553 Plam top on MDF on brackets	6	lf	175.00	1,050		
1392	123553 <u>Willie Ross</u>	2	rms				
1393	123553 Base cabinet w/ plam counter	6	lf	500.00	3,000		
1394	123553 TC36 - Tall cabinet	2	ea	2,200.00	4,400		



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
NEW SCHOOL DETAIL							
1395 123553	WB36- Tall cabinet with fixed shelf and hanger rod	2	ea	2,400.00	4,800		
1396 123553	<u>Technical support</u>						
1397 123553	TC36 - Tall cabinet	2	ea	2,200.00	4,400		
1398 123553	Plam counter on supports	28	lf	175.00	4,900		
1399 123553	Desk with plam top				with millwork		
1400 123553	<u>Small group (no elevations)</u>						
1401 123553	Upper cabinet	12	lf	280.00	3,360		
1402 123553	WB36- Tall cabinet with fixed shelf and hanger rod	2	ea	2,400.00	4,800		
1403 123553	<u>All classrooms incl (SEL213, ASD207)- A110/A418</u>	32	rms				
1404 123553	TC36 - Tall cabinet	64	ea	2,200.00	140,800		
1405 123553	WB36- Tall cabinet with fixed shelf and hanger rod	32	ea	2,400.00	76,800		
1406 123553	<u>Forensics lab (no elevations)</u>	1	rms				
1407 123553	Student tables on casters	12	ea	2,500.00	30,000		
1408 123553	Moveable demo table 6'-0" long	1	ea	2,500.00	2,500		
1409 123553	Wood base cabinet w/ epoxy counter	70	lf	600.00	42,000		
1410 123553	Wood upper cabinet	31	lf	325.00	10,075		
1411 123553	Wire walls shelving, 6 high	7	lf	175.00	1,225		
1412 123553	TC36 - Tall cabinet	4	ea	2,200.00	8,800		
1413 123553	<u>Environmental lab (no elevations)</u>	1	rms				
1414 123553	Student tables on casters	12	ea	2,500.00	30,000		
1415 123553	Moveable demo table 6'-0" long	1	ea	2,500.00	2,500		
1416 123553	Wood base cabinet w/ epoxy counter	63	lf	600.00	37,800		
1417 123553	Wood upper cabinet	31	lf	325.00	10,075		
1418 123553	TC36 - Tall cabinet	4	ea	2,200.00	8,800		
1419 123553	<u>Science Prep</u>						
1420 123553	Wood base cabinet w/ epoxy counter	21	lf	600.00	12,600		
1421 123553	Wood upper cabinet	17	lf	325.00	5,525		
1422 123553	TC24 - Tall cabinet	2	ea	1,500.00	3,000		
1423 123553	<u>Biology lab E101, E105</u>	2	rms				
1424 123553	Student tables on casters	24	ea	2,500.00	60,000		
1425 123553	Moveable demo table 6'-0" long	2	ea	2,500.00	5,000		
1426 123553	Wood base cabinet w/ epoxy counter	140	lf	600.00	84,000		
1427 123553	Wood upper cabinet	37	lf	325.00	12,025		
1428 123553	Wire walls shelving, 3 high	14	lf	90.00	1,260		
1429 123553	TC36 - Tall cabinet	8	ea	2,200.00	17,600		
1430 123553	<u>Biology Prep</u>						
1431 123553	Wood base cabinet w/ epoxy counter	23	lf	600.00	13,800		
1432 123553	Wood upper cabinet	23	lf	325.00	7,475		
1433 123553	TC24 - Tall cabinet	2	ea	1,500.00	3,000		
1434 123553	<u>Graphic lab</u>	1	rms				
1435 123553	TC36 - Tall cabinet	2	ea	2,200.00	4,400		
1436 123553	WB36- Tall cabinet with fixed shelf and hanger rod	1	ea	2,400.00	2,400		
1437 123553	<u>Printing</u>	1	rms				
1438 123553	Wood base cabinet w/ epoxy counter	5	lf	600.00	3,000		
1439 123553	TC36 - Tall cabinet	2	ea	2,200.00	4,400		
1440 123553	Wire walls shelving, 2 high	4	lf	50.00	200		
1441 123553	<u>AP Chemistry lab D209</u>	1	rms				
1442 123553	Fixed demonstration bench on casters, 6' long	12	ea	2,500.00	30,000		
1443 123553	Moveable demo table 6'-0" long	1	ea	2,500.00	2,500		
1444 123553	Wood base cabinet w/ epoxy counter	70	lf	600.00	42,000		
1445 123553	Wood upper cabinet	25	lf	325.00	8,125		
1446 123553	Wire walls shelving, 3 high	7	lf	90.00	630		
1447 123553	TC36 - Tall cabinet	1	ea	2,200.00	2,200		
1448 123553	<u>AP Chemistry lab prep room</u>						
1449 123553	Wood base cabinet w/ epoxy counter	21	lf	600.00	12,600		



Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
NEW SCHOOL DETAIL							
1450	123553	Wood upper cabinet	14	lf	325.00	4,550	
1451	123553	TC24 - Tall cabinet	2	ea	1,500.00	3,000	
1452	123553	<u>AP Chemistry -chem storage</u>					
1453	123553	Wood base cabinet w/ epoxy counter	13	lf	600.00	7,800	
1454	123553	Wood upper cabinet	13	lf	325.00	4,225	
1455	123553	Wire shelving, 6 high	4	lf	175.00	700	
1456	123553	<u>AP Chemistry lab D205</u>	1				
1457	123553	Fixed demonstration bench on casters, 6' long	12	ea	2,500.00	30,000	
1458	123553	Moveable demo table 6'-0" long	1	ea	2,500.00	2,500	
1459	123553	Wood base cabinet w/ epoxy counter	74	lf	600.00	44,400	
1460	123553	Wood upper cabinet	26	lf	325.00	8,450	
1461	123553	Wire walls shelving, 3 high	7	lf	175.00	1,225	
1462	123553	TC36 - Tall cabinet	1	ea	2,200.00	2,200	
1463	123553	<u>Lab E201</u>	1	rms			
1464	123553	Student tables on casters	2	ea	2,500.00	5,000	
1465	123553	Moveable demo table 6'-0" long				none shown	
1466	123553	Wood base cabinet w/ epoxy counter	68	lf	600.00	40,800	
1467	123553	Wood upper cabinet	25	lf	325.00	8,125	
1468	123553	Wire walls shelving, 3 high	10	lf	90.00	900	
1469	123553	WB36- Tall cabinet with fixed shelf and hanger rod	1	ea	2,400.00	2,400	
1470	123553	TC36 - Tall cabinet	3	ea	2,200.00	6,600	
1471	123553	<u>AP Chemistry lab prep room E201A</u>					
1472	123553	Wood base cabinet w/ epoxy counter	23	lf	600.00	13,800	
1473	123553	Wood upper cabinet	23	lf	325.00	7,475	
1474	123553	TC24 - Tall cabinet	2	ea	1,600.00	3,200	
1475	123553	<u>Physics Lab E205</u>	1	rms			
1476	123553	Student tables on casters	12	ea	2,500.00	30,000	
1477	123553	Moveable demo table 6'-0" long	1	ea	2,500.00	2,500	
1478	123553	Wood base cabinet w/ epoxy counter	70	lf	600.00	42,000	
1479	123553	Wood upper cabinet	24	lf	325.00	7,800	
1480	123553	Wire walls shelving, 3 high	10	lf	90.00	900	
1481	123553	TC36 - Tall cabinet	4	ea	2,200.00	8,800	
1482	123553	<u>Stem E227</u>	1	rms			
1483	123553	Wood base cabinet w/ epoxy counter	14	lf	600.00	8,400	
1484	123553	Wood upper cabinet	14	lf	325.00	4,550	
1485	123553	TC36 - Tall cabinet	4	ea	2,200.00	8,800	
1486	123553	WB36- Tall cabinet with fixed shelf and hanger rod	1	ea	2,400.00	2,400	
1487	123553	<u>Stem E212</u>	1	rms			
1488	123553	Wood base cabinet w/ epoxy counter	7	lf	600.00	4,200	
1489	123553	Wood upper cabinet	15	lf	325.00	4,875	
1490							
1491	122100	WINDOW TREATMENT					
1492	122400	Roller shades at exterior glazing including room darkening shades in LGI and Science rooms	1	ls	150,000.00	150,000	
1493	122400	Premium for motorized roller shades at Gym, Auditorium and Cafeteria (west wall only)	2,500	sf	25.00	62,500	
1494	122400	Window treatments at interior glazing - allowance	1	ls	25,000.00	25,000	
1495							
1496	126000	SEATING					
1497	126613	Retractable bleachers in gym - allow 896 seats per memo	1	ls	179,200.00	179,200	
1498	126100	Auditorium fixed seating (498 seats)	1	ls	225,000.00	225,000	
1499		SUBTOTAL					2,075,100
1500							
1501	E2020	MOVABLE FURNISHINGS					
1502		All movable furnishings to be provided and installed by owner					
1503		SUBTOTAL					NIC
1504							
1505		TOTAL - FURNISHINGS					\$2,075,100



East Longmeadow High School
East Longmeadow, MA

26-Mar-24

Design Development Cost Estimate

GFA 191,796

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW SCHOOL DETAIL

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F10 SPECIAL CONSTRUCTION

F10 SPECIAL CONSTRUCTION

132000	Greenhouse; 250SF	1	ls	43,750.00	43,750		
	SUBTOTAL					43,750	

TOTAL - SPECIAL CONSTRUCTION \$43,750

F20 SELECTIVE BUILDING DEMOLITION

F2010 BUILDING ELEMENTS DEMOLITION

No items in this section

SUBTOTAL

F2020 HAZARDOUS COMPONENTS ABATEMENT

See main summary for HazMat allowance

See Summary

SUBTOTAL

TOTAL - SELECTIVE BUILDING DEMOLITION



Design Development Cost Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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SITEWORK

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
G SITEWORK							
G10 SITE PREPARATION & DEMOLITION							
311000	SITE PREPARATION & DEMOLITION						
311000	GENERAL CONDITIONS						
311000	6' high site construction fence - assume LOW					w/phasing	
311000	6' high site construction fence double gate	3	loc	5,000.00		15,000	
311000	Site construction entrance and removal/restoration	3	loc	12,000.00		36,000	
311000	Mobilizations	1	ls	50,000.00		50,000	
311000	Temporary signs	1	ls	10,000.00		10,000	
311000	Layout/As-builts/Survey	1	ls	15,000.00		15,000	
311000	Construction offices area prep - allowance	1	ls	10,000.00		10,000	
311000	Temporary signs	1	ls	20,000.00		w_GRs	
311000	Wheel wash rack	1	ls	20,000.00		20,000	
311000	Concrete pump staging areas	2	loc	10,000.00		20,000	
311000	Snow removal - allowance	1	ls			w_GRs	
311000	Winter conditions - allowance	1	ls			w_GRs	
311000	Police details	1	ls			w_GRs	
311000	Site security	1	ls			w_GRs	
311000	Job site construction trailer	1	ls			w_GRs	
311000	Temp utilities for job trailer	1	ls			w_GRs	
311000	PHASING						
311000	Temporary paving: 2" thick - Memo item #11	65,000	sf				
311000	Cut and prep	481	cy	15.00		7,215	
311000	gravel base; 12" thick	2,407	cy	48.00		115,536	
311000	Binder pavement	65,000	sf	2.00		130,000	
311000	geotextile	65,000	sf	0.55		35,750	
311000	Bituminous curbing	1,000	lf	18.00		18,000	
311000	R&D pavement	65,000	sf	1.00		65,000	
311000	R&D curbing	1,000	sf	5.00		5,000	
311000	Temporary paving: 2" thick - Memo item #12	60,000	sf				
311000	Cut and prep	444	cy	15.00		6,660	
311000	gravel base; 12" thick	2,222	cy	48.00		106,656	
311000	Binder pavement	60,000	sf	2.00		120,000	
311000	geotextile	60,000	sf	0.55		NR	
311000	R&D pavement	60,000	sf	1.00		60,000	
<u>Phase 1A</u>							
311000	6' high site construction fence	8,150	lf	25.00		203,750	
312500	Compost sock with silt fence	3,500	lf	15.00		52,500	
<u>Phase 1B</u>							
311000	6' high site construction fence	2,500	lf	25.00		62,500	
312500	Compost sock with silt fence	2,000	lf	15.00		30,000	
312500	Compost sock	2,000	lf	8.00		16,000	
<u>Phase 1C</u>							
311000	6' high site construction fence	2,400	lf	25.00		60,000	
312500	Compost sock with silt fence	7,500	lf	15.00		112,500	
312500	Compost sock	1,000	lf	8.00		8,000	
<u>Phase 2A</u>							
311000	6' high site construction fence	1,000	lf	25.00		25,000	
312500	Compost sock with silt fence	1,100	lf	15.00		16,500	
312500	Compost sock	2,800	lf	8.00		22,400	
311000	SITE SALVAGE ITEMS						
311000	Remove and stockpile existing barrels	7	ea	125.00		875	
311000	Remove and stockpile existing batting cages	2	ea	5,000.00		10,000	
311000	Remove and stockpile existing benches	16	ea	375.00		6,000	
311000	Remove and stockpile existing birdbath	1	ea	225.00		225	
311000	Remove and stockpile existing bleachers - allowance	1	ls	10,000.00		10,000	
311000	Remove and stockpile existing dedication pavers	1,173	sf	5.00		5,865	
311000	Remove and stockpile existing garden structures	3	ea	325.00		975	
311000	Remove and stockpile existing granite plaques	2	ea	525.00		1,050	
311000	Remove and stockpile existing picnic tables	5	ea	125.00		625	



Design Development Cost Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
SITework							
63	311000						
		7	ea	500.00	3,500		
64	311000						
		1	ls	7,500.00	7,500		
65	311000						
		1	ea	500.00	500		
66	311000						
		1	ea	500.00	500		
67	311000						
		2	sts	50.00	100		
68	311000						
		4	ea	750.00	3,000		
69	311000						
		1	ea	125.00	125		
70	311000						
		3	ea	1,250.00	3,750		
71	311000						
		8	ea	1,250.00	10,000		
72	311000						
73	311000						
		4,684	lf	6.00	28,104		
74	311000						
		33,759	sy	8.00	270,072		
75	311000						
		5,627	cy	2.50	14,068		
76	311000						
		4,422	sf	1.50	6,633		
77	311000						
		1,723	sf	1.50	NR		
78	311000						
		6	loc	150.00	900		
79	311000						
		3,988	lf	5.00	19,940		
80	311000						
		1	ea	1,250.00	NR		
81	311000						
		1	ea	5,000.00	5,000		
82	311000						
		7	ea	2,500.00	17,500		
83	311000						
		2	ea	1,250.00	2,500		
84	311000						
		1	ea	500.00	500		
85	311000						
		1	ls	50,000.00	50,000		
86	311000						
87	311000						
		1	ea	1,000.00	1,000		
88	311000						
		8,013	lf	25.00	200,325		
89	311000						
		49	ea	500.00	24,500		
90	311000						
		1,605	lf	25.00	40,125		
91	311000						
		1	ls	10,000.00	10,000		
92	311000						
		1	ea	10,000.00	10,000		
93	311000						
94	311000						
		150	lf	25.00	3,750		
95	311000						
		400	lf	25.00	10,000		
96	311000						
		2	ea	1,200.00	2,400		
97	311000						
		3	ea	500.00	1,500		
98	311000						
		140	lf	25.00	3,500		
99	311000						
		2	ea	850.00	1,700		
100	311000						
		1,266	lf	25.00	31,650		
101	311000						
		1	ea	1,250.00	1,250		
102	311000						
		2	ea	850.00	1,700		
103	311000						
104	311000						
		434	lf	8.25	3,581		
105	311000						
106	311000						
		1	acre	5,000.00	5,000		
107	311000						
		20,994	sf	0.55	11,547		
108	311000						
		8	ea	850.00	6,800		
109	311000						
		1,064	lf	12.00	12,768		
110	311000						
		24,000	cy	11.50	276,000		
111	312000						
112	312500						
		1	ls	5,000.00	5,000		
113	312500						
		88	ea	250.00	22,000		
114	312500						
		14,642	sf	3.00	43,926		
115	312500						
		2	ea	3,000.00	6,000		
116	312500						
		1	ls	40,000.00	40,000		
117	312500						
		1	ls	25,000.00	25,000		
118							
						2,735,796	
119							
120	312000						
121	312000						
		5,200	cy				
122	312000						
		5,200	cy	8.00	41,600		
123	312000						
		5,200	cy	3.50	18,200		



Design Development Cost Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
SITEWORK							
187	320000	Crosswalk hatching	12	loc	2,500.00	30,000	
188	320000	Tabled crosswalks	1	ls	5,000.00	NR	
189		<u>Traffic signs</u>					
190	320000	Signs - new	132	ea	125.00	16,500	
191	320000	Signs - mounting hardware	132	ea	225.00	29,700	
192	320000	Signs - posts	132	ea	487.50	64,350	
193		<u>Roadway markings</u>					
194	320000	Diagonal pavement striping	1,285	sf	5.00	6,425	
195	320000	Pavement Markings - Turn arrows	4	ea	500.00	2,000	
196	320000	Pavement Markings - Straight Arrows	45	ea	400.00	18,000	
197	320000	Pavement Markings - "ONLY/BUS/BIKE" Text	19	ea	125.00	2,375	
198	320000	Pavement Markings - "DO NOT ENTER" Text	1	ea	250.00	250	
199	320000	Pavement Markings - SWL/SYL	854	lf	3.25	2,776	
200	320000	Pavement Markings - DYL	928	lf	4.25	3,944	
201	320000	Pavement Markings - Stop Lines	246	lf	5.00	1,230	
202		<u>Traffic control</u>					
203	336000	Rapid flashing crossing beacon	6	ea	25,000.00	150,000	
204		SUBTOTAL					3,181,560
205							
206	320000	PEDESTRIAN PAVING					
207		<u>Concrete sidewalks</u>	71,802	sf			
208	312000	gravel base; 12" thick	2,659	cy	50.00	132,950	
209	321314	Broom finish concrete paving; 5" thick	71,802	sf	13.00	933,426	
210	312000	Premium for 30" crushed stone at landings within 6' and in plazas within 20' of the building	1	ls	25,000.00	25,000	
211	321314	Premium for integral colored sidewalks	8,000	sf	3.00	24,000	
212	321314	Install salvaged pavers	596	sf	40.00	23,840	
213		<u>Concrete pads for dugouts and future bleachers</u>	6,821	sf			
214	312000	gravel base; 18" thick	379	cy	50.00	18,950	
215	321314	Broom finish concrete paving; 8" thick	6,821	sf	22.00	150,062	
216		<u>Bituminous concrete walkways</u>	21,743	sf			
217	312000	gravel base; 8" thick	540	cy	50.00	27,000	
218	320000	asphalt top; 1.5" thick	208	tns	200.00	41,600	
219	320000	asphalt binder; 1.5" thick	208	tns	180.00	37,440	
220		<u>Bio-retention bridge crossing</u>	466	sf			
221	323000	Bridge allowance including support system	56	lf	2,000.00	112,000	
222	312000	Railings	112	lf		incl. above	
223		<u>Asphalt/Concrete/Granite pavers on concrete slabs</u>	2,140	sf			
224	312000	crushed stone; 18" thick	119	cy	50.00	5,950	
225	321314	Concrete pavers	2,140	sf	28.00	59,920	
226	321314	Geotextiles	2,140	sf	0.55	1,177	
227	321314	Edging	375	lf	18.00	6,750	
228	320000	STAIRS AND RAMPS					
229	321314	Ramp premium	309	sf	20.00	6,180	
230	050001	Ramp handrails - galvanized	115	lf	325.00	37,375	
231		SUBTOTAL					1,643,620
232							
233	323000	SITE IMPROVEMENTS					
234	320000	SITE FURNISHINGS					
235	050001	Bollards - ADA parking and EV stations	20	ea	900.00	NR	
236	050001	Bollards - Type A	8	ea	900.00	7,200	
237	050001	Bollards - Type B	95	ea	700.00	66,500	
238	050001	Bollards - Lighted (wiring with elec.)	9	ea	700.00	w/ Elec	
239	050001	Bollards - foundation	11	ea	400.00	4,400	
240	129300	Bike racks	35	ea	850.00	29,750	
241	129300	Flagpole - 30' Ht.	1	ea	7,000.00	7,000	
242	129300	Flagpole foundation	1	ea	4,500.00	4,500	
243	321314	Table and chairs	13	ea	4,500.00	58,500	
244	321724	School sign	1	ea	35,000.00	35,000	
245	129300	Trash and Recycling receptacles	9	ea	2,500.00	22,500	



East Longmeadow High School
East Longmeadow, MA

26-Mar-24

Design Development Cost Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
SITEWORK							
306	Football						
307	116800 Install salvaged soccer goals and corner flags	1	ls	500.00		NR	
308	320000 BLEACHERS AND SCOREBOARDS						
309	116800 Electronic scoreboard	2	ea	60,000.00	120,000		
310	133000 Elevated press box and ramp	1	loc	150,000.00	150,000		
311	133000 Pressbox foundation walls	92	lf	65.00	5,980		
312	320000 FENCING						
313	323114 4' Ht - Chain link fence	251	lf	65.00	16,315		
314	323114 4' Ht - Chain link single gate	2	ea	1,000.00	2,000		
315	323114 6' Ht - Chain link fence	2,313	lf	75.00	173,475		
316	323114 6' Ht - Chain link single gate	15	ea	1,200.00	18,000		
317	323114 6' Ht - Chain link double gate	3	ea	3,000.00	9,000		
318	323114 8' Ht - Chain link fence	400	lf	90.00	36,000		
319	323114 8' Ht - Chain link single gate	2	ea	1,400.00	2,800		
320	323114 8' Ht - Chain link double gate	2	ea	3,500.00	7,000		
321	323114 10' Ht - Chain link fence	2,095	lf	125.00	261,875		
322	323114 10' Ht - Chain link single gate	6	ea	1,700.00	10,200		
323	323114 10' Ht - Chain link double gate	3	ea	4,000.00	12,000		
324	323114 Double swing gate - double leaf	1	ea	6,500.00	6,500		
325	323114 Single lift power gate					Removed	
326	323114 Wood guardrail	150	lf	65.00	9,750		
327	323114 Steel guardrail at loading dock	28	lf	325.00	9,100		
328	SUBTOTAL						2,609,048
329	323000 SITE WALLS						
330	329900 Boulder rows - retaining	79	lf	75.00	5,925		
332	033000 Cast-in-place seat wall - 1.5' ht.	565	lf	94.85	53,590		
333	033000 Precast blocks - 2-3' wide	565	lf	200.00	113,000		
334	312000 Excavation	314	cy	100.00	31,400		
335	312000 Backfill - (assume using onsite soils)	126	cy	25.00	3,150		
336	334000 Wall drain	565	lf	22.00	NR		
337	033000 Cast-in-place retaining wall - 4' ht. at loading dock	53	lf	677.17	35,890		
338	312000 Excavation	29	cy	100.00	2,900		
339	312000 Backfill - (assume using onsite soils)	12	cy	25.00	300		
340	334000 Wall drain	53	lf	22.00	1,166		
341	SUBTOTAL						247,321
342	329900 LAWN AND SEED						
343	312000 Screen topsoil	24,000	cy	6.00	144,000		
345	312000 Export tailings from screening process - assume clean rock	6,000	cy	5.00	30,000		
346	312000 Amend/Place	18,000	cy	20.00	360,000		
347	329900 Topsoil - swell 25% (delta - 28,000 cy required)	12,500	cy	65.00	812,500		
348	329900 Soil and mulch at planting areas; 12" thick	605	cy	65.00	39,325		
349	329900 Power rake and hydroseed disturbed areas	625,606	sf	0.35	218,962		
350	329900 Steep slope seeding	17,063	sf	0.55	9,385		
351	329900 Bioswale/Raingarden seed mix	17,120	sf	0.55	9,416		
352	329900 Boulders	60	ea	500.00	30,000		
353	329900 Mow strip	1,970	sf				
354	320000 Stone dust 3" thick	37	tns	125.00	4,625		
355	329900 crushed stone; 6" thick	36	cy	55.00	1,980		
356	329900 Geotextiles	3,940	sf	0.55	2,167		
357	329900 Reinforced turf	6,498	sf				
358	329900 gravel base; 6" thick	120	cy	50.00	6,000		
359	329900 Turf reinforcement system	6,498	sf	10.00	64,980		
360	329900 Loam and seeding	6,498	sf	2.00	12,996		
361	329900 Geotextiles	6,498	sf	0.55	3,574		
362	320000 ATHLETIC LANDSCAPING						
363	329900 Field maintenance - 1 year	435,000	sf	0.15	65,250		
364	329800 Hand water fields not irrigated	285,000	sf	0.25	71,250		
365	Softball and Baseball Infield Mix	73,543	sf				



Design Development Cost Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
SITework							
426	333000		6'x6' valve vault	1	ls	12,500.00	12,500
427	333000		Access hatches for pump system/valve vault	2	ea	2,500.00	5,000
428	333000		CONNECTIONS				
429	333000		Connect to existing structure 13' deep	1	ea	15,000.00	15,000
430	312000		EXCAVATION & BACKFILL - force main	269	lf		
431	312000		Force main piping excavation- assume shallow	94	cy	15.00	1,410
432	312000		Trench bedding	54	cy	50.00	2,700
433	312000		Backfill w/cut soils	40	cy	20.00	800
434	312000		EXCAVATION & BACKFILL - Gravity	3,154	lf		
435	312000		PVC gravity piping excavation	3,154	cy	15.00	47,310
436	312000		Trench bedding	631	cy	50.00	31,550
437	312000		Backfill w/cut soils	2,523	cy	20.00	50,460
438	312000		Pressure testing	3,423	lf	4.00	13,692
439	312000		Video Inspection	1	ls	10,000.00	10,000
440	312000		Grease trap; 5,000 gal. (e/b only) incl. shoring	1	ea	10,000.00	10,000
441	312000		Pump chamber; 12,000 gal (e/b only) incl. shoring	1	ea	12,000.00	12,000
442	331000		TEMPORARY UTILITIES				
443	333000		8" PVC	140	lf	45.00	6,300
444	333000		SMH - 0-5' deep	2	ea	4,800.00	9,600
445			SUBTOTAL				583,150
446							
447	334000		STORM DRAINAGE				
447	334000		4" HDPE	36	lf	50.00	1,800
448	334000		6" HDPE - underdrains	1,365	lf	55.00	75,075
450	334000		12" HDPE	6,367	lf	70.00	445,690
451	334000		18" HDPE	846	lf	80.00	67,680
452	334000		24" HDPE	1,294	lf	100.00	129,400
453	334000		4' Dia. DMH - 0-5' deep	22	ea	4,500.00	99,000
454	334000		4' Dia. DMH - 5-12' deep	2	ea	5,000.00	10,000
455	334000		5' Dia. DMH - 0-5' deep	2	ea	5,000.00	10,000
456	334000		5' Dia. DMH - 5-12' deep	13	ea	8,000.00	104,000
457	334000		DMH - 0-5' doghouse	2	ea	8,000.00	16,000
458	334000		Planter drain	18	ea	2,500.00	45,000
459	334000		CO	5	ea	1,200.00	6,000
460	334000		OCS	1	ea	8,000.00	8,000
461	334000		WQU - 450 Gallon	5	ea	18,000.00	90,000
462	334000		WQU - 900 Gallon	5	ea	20,000.00	100,000
463	334000		OWS - 1500 Gallon	1	ea	25,000.00	25,000
464	334000		CB	39	ea	4,200.00	163,800
465	334000		DCB	5	ea	5,800.00	29,000
466	334000		Trench drains	30	lf	180.00	5,400
467	334000		Riprap	265	sf	5.00	1,325
468	334000		Foundation drain	2,304	lf	25.00	57,600
469	334000		Roof drain connections	4	ea	500.00	2,000
470	334000		Concrete headwall	1	ea	10,000.00	10,000
471	334000		Drainline with cap for future connection	1	ea	2,500.00	2,500
472	334000		CONNECTIONS				
473	334000		Connect to existing endwall structure	1	ea	5,000.00	5,000
474	331000		TEMPORARY UTILITIES				
475	334000		12" HDPE - per memo	300	lf	75.00	22,500
476	334000		12" HDPE - on plan C-111	1,182	lf	75.00	88,650
477	334000		DMH - on plan C-111	5	ea	4,800.00	24,000
478	334000		DCB - per memo	2	ea	5,000.00	10,000
479	334000		SURFACE DRAINAGE SYSTEMS				
480			<u>Bio retention/Rain Garden</u>	17,120	sf		
481	312000		shape basins	17,120	sf	2.50	42,800
482	320000		mulch	159	cy	50.00	7,950
483	320000		24" Planting soil mix	1,268	cy	80.00	101,440
484	320000		8" Double washed pea stone	425	cy	60.00	25,500
485	320000		4" Sand	209	cy	50.00	10,450
486	334000		SUBSURFACE DRAINAGE SYSTEMS				



Design Development Cost Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
SITEWORK							
487	<u>Infiltration System</u>	2,250	sf				
488	334000 30" Premolded chambers	2,250	sf	48.00	108,000		
489	SUBTOTAL					1,950,560	
490							
491	220001 NATURAL GAS				No scope		
492	SUBTOTAL					0	
493							
494	G40 ELECTRICAL UTILITIES						
495	Site Civil for Electrical						
496	Concrete:						
497	033000 Primary Duct bank AA 2-4"C	210	lf	120.00	25,200		
498	033000 Combination Duct bank CC 6-4"PVC (primary & comm)	980	lf	140.00	137,200		
499	033000 Secondary Duct bank DD 8-4"C	20	lf	160.00	3,200		
500	033000 Secondary Duct bank EE 10-4"C	250	lf	180.00	45,000		
501	033000 Generator duct bank: 3-4"C & 5-2"C	210	lf	160.00	33,600		
502	033000 Communications duct bank BB, 4-4" PVC	680	lf	140.00	95,200		
503	033000 Stadium Primary 2-4" PVC	340	lf	120.00	40,800		
504	033000 Stadium & Scoreboard Primary 2-4" PVC	90	lf	120.00	10,800		
505	033000 Stadium Secondary DB	20	lf	120.00	2,400		
506	033000 Stadium Lighting Secondary	80	lf	120.00	9,600		
507	033000 Transformer pad	2	ea	2,500.00	5,000		
508	033000 Generator pad	1	ea	2,500.00	2,500		
509	033000 Pole base	80	ea	750.00	60,000		
510	033000 Musco tennis pole base	8	ea	5,000.00	40,000		
511	033000 Bollard base	9	ea	500.00	4,500		
512	Excavation & Backfill:						
513	312000 Primary Duct bank AA 2-4"C	210	lf	30.00	6,300		
514	312000 Combination Duct bank CC 6-4"PVC (primary & comm)	980	lf	28.00	27,440		
515	312000 Secondary Duct bank DD 8-4"C	20	lf	28.00	560		
516	312000 Secondary Duct bank EE 10-4"C	250	lf	30.00	7,500		
517	312000 Generator duct bank: 3-4"C & 5-2"C	210	lf	22.00	4,620		
518	312000 Communications duct bank BB, 4-4" PVC	680	lf	22.00	14,960		
519	312000 Stadium Primary 2-4" PVC	340	lf	20.00	6,800		
520	312000 Stadium & Scoreboard Primary 2-4" PVC	90	lf	20.00	1,800		
521	312000 Stadium Secondary DB	20	lf	20.00	400		
522	312000 Stadium Lighting Secondary	80	lf	20.00	1,600		
523	312000 Scoreboard 2 2-1/2" PVC	320	lf	10.00	3,200		
524	312000 Concession UE	100	lf	10.00	1,000		
525	312000 Press box UE	230	lf	10.00	2,300		
526	312000 Tennis Court lighting UGE	760	lf	8.00	6,080		
527	312000 Baseball scoreboard circuitry	760	lf	8.00	6,080		
528	312000 Direct buried circuitry: Lighting, security, GFI, EV	27,000	lf	8.00	216,000		
529	312000 <i>Note: assumes site lighting & security run parallel, single trench needed</i>						
530	SUBTOTAL					821,640	
531							
532	Electrical						
533	260000 Demolition	1	ls	20,000.00	20,000		
534	260000 Utility company back charges					NIC	
535	260000 OHW	60	lf			National Grid	
536	260000 Pole riser	1	ea	1,500.00	1,500		
537	260000 Power manhole	3	ea	12,000.00	36,000		
538	260000 Primary Duct bank AA 2-4"C	210	lf	60.00	12,600		
539	260000 Combination Duct bank CC 6-4"PVC (primary & comm)	980	lf	150.00			
540	260000 Pad mount transformer	2	ea			National Grid	
541	260000 Transformer grounding	2	ea	250.00	500		
542	260000 Secondary Duct bank DD 8-4"C with 4000A feeder	20	lf	1,250.00	25,000		
543	260000 Secondary Duct bank EE 10-4"C with 4000A feeder	250	lf	1,300.00	325,000		
544	260000 Generator						
545	260000 Generator pad grounding	1	ls	500.00	500		
546	260000 Generator duct bank DD: 3-4"C & 5-2"C 600A, 100A, control wiring	210	lf	650.00	136,500		
547	260000 Electrical to pump chamber	1	ls	10,000.00	10,000		
548	260000 Gate Power					Removed	



Design Development Cost Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
SITEWORK							
549	260000						
	EV Stations						
550	260000						
	EV Stations, dual	5	ea	15,000.00	75,000		
551	260000						
	EV power & communication, allow 40A individual runs to HS	1,400	lf	20.00	28,000		
552	260000						
	Handhole for future EV	19	ea	750.00	14,250		
553	260000						
	EV power & communication, 40A individual runs from School	11,400	lf	20.00	228,000		
554	260000						
	Communications						
556	260000						
	Pole riser	1	ea	1,500.00	1,500		
557	260000						
	New manhole	4	ea	4,500.00	18,000		
558	260000						
	Communications duct bank BB, 4-4" PVC	680	lf	120.00	81,600		
559	260000						
	Install temporary communications utilities including 1,400 lf overhead 12 stand SM fiber, six utility poles and terminations.	1	ls	50,000.00	50,000		
560	260000						
	Site Security						
561	260000						
	Pole mounted camera WP	3	ea			See building security	
562	260000						
	Pole mounted multi lens camera WP	18	ea			See building security	
563	260000						
	Security camera circuitry, allow	4,000	lf	10.00	40,000		
564	260000						
	Stadium Primary 2-4" PVC	340	lf	50.00	17,000		
565	260000						
	Stadium & Scoreboard Primary 2-4" PVC	90	lf	50.00	4,500		
566	260000						
	Stadium Secondary DB	20	lf	200.00	4,000		
567	260000						
	Stadium Lighting Secondary	80	lf	60.00	4,800		
568	260000						
	Stadium lighting panelboard 600A 120/208V	1	ea	20,000.00	20,000		
569	260000						
	Scoreboard 2 2-1/2" PVC with 250A feeder	320	lf	200.00	64,000		
570	260000						
	Sound system, allow	1	ls	85,000.00	85,000		
571	260000						
	Scoreboard: connect feeder & NFSS WP	2	ea	3,500.00	7,000		
572	260000						
	GFI WP	4	loc	500.00	2,000		
573	260000						
	Power to GFI	1,500	lf	9.00	13,500		
574	260000						
	Scoreboard: relocate 200A disconnect & meter	1	ls	5,000.00	5,000		
575	260000						
	Concession UE	100	lf	50.00	5,000		
576	260000						
	Press box UE	230	lf	50.00	11,500		
577	260000						
	SUBTOTAL					1,347,250	
578							
579	260000						
	Site Lighting						
580	260000						
	Site lighting fixture Type AA1	22	ea	3,200.00	70,400		
581	260000						
	Site lighting fixture Type AA2	10	ea	4,000.00	40,000		
582	260000						
	Site lighting fixture Type AA3	10	ea	3,200.00	32,000		
583	260000						
	Site lighting fixture Type AA3-BC	5	ea	3,200.00	16,000		
584	260000						
	Site lighting fixture Type AA4	5	ea	3,200.00	16,000		
585	260000						
	Site lighting fixture Type AA5	1	ea	3,200.00	3,200		
586	260000						
	Site lighting fixture Type BB1	17	ea	2,500.00	42,500		
587	260000						
	Site lighting fixture Type BB2	16	ea	2,500.00	40,000		
588	260000						
	Site lighting fixture Type CC	3	ea	650.00	1,950		
589	260000						
	Site lighting fixture Type DD	9	ea	1,600.00	14,400		
590	260000						
	Site lighting fixture Type EE (sign)	2	ea	1,200.00	2,400		
591	260000						
	Site lighting circuitry:						
592	260000						
	Circuitry	8,000	lf	17.00	136,000		
593	260000						
	Pole/Bollard grounding	96	ea	150.00	14,400		
594	260000						
	Sports Field Lighting						
595	260000						
	XRE Tennis court light fixture: remove, store & install in new location	8	ea	5,000.00	40,000		
596	260000						
	Relocate controls cabinet: tennis/basketball court lighting	1	ls	3,000.00	3,000		
597	260000						
	Tennis Court lighting UGE, allow 200A	760	lf	180.00	136,800		
598	260000						
	Baseball scoreboard circuitry	760	lf	50.00	38,000		
599	260000						
	Pole mounted transformer	1	ea			National Grid	
600	260000						
	Transformer grounding	1	ea	500.00	500		
601							
	SUBTOTAL					647,550	
602							
603							
TOTAL - SITE DEVELOPMENT							\$24,446,105



Design Development Cost Estimate

GFA 1,344

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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CONCESSIONS BUILDING

GROSS FLOOR AREA CALCULATION

Concessions 1,344

TOTAL GROSS FLOOR AREA (GFA)					1,344	sf
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A10 FOUNDATIONS

A1010 STANDARD FOUNDATIONS

033000	<u>Strip Footing @ foundation walls</u>					
033000	Formwork	304	sf	15.00	4,560	
033000	Re-bar	1,520	lbs.	2.00	3,040	
033000	Concrete material	12	cy	170.00	2,040	
033000	Placing concrete	12	cy	120.00	1,440	
033000	<u>Foundation wall</u>					
033000	Formwork	1,064	sf	20.00	21,280	
033000	Re-bar	2,660	lbs.	2.00	5,320	
033000	Concrete material	29	cy	170.00	4,930	
033000	Placing concrete	29	cy	120.00	3,480	

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

070001	Damp proofing foundation wall and footing					NR
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072100 THERMAL INSULATION

072100	Insulation	532	sf	3.00	1,596	
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312000 EARTHWORK

	<u>Continuous footings</u>					
312000	Excavation	169	cy	16.00	2,704	
312000	Remove off site	169	cy	14.00	2,366	
312000	Backfill with imported material	128	cy	40.00	5,120	
	SUBTOTAL					57,876

A1020 SPECIAL FOUNDATIONS

SUBTOTAL -

A1030 LOWEST FLOOR CONSTRUCTION

	<u>New Slab on grade, 5" thick</u>					
33000	Vapor barrier	1,344	sf	1.25	1,680	
33000	WWF rebar	1,546	sf	1.80	2,783	
33000	Concrete - 5" thick	21	cy	170.00	3,570	
33000	Placing concrete	21	cy	65.00	1,365	
33000	Finishing and curing concrete	1,344	sf	3.00	4,032	
33000	Control joints - saw cut	1,344	sf	0.10	134	

072100 THERMAL INSULATION

72100	2" EPS insulation underslab	1,344	sf	3.00	4,032	
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312000 EARTHWORK

312000	Compact existing sub-grade	1,344	sf	0.50	672	
312000	Gravel fill	50	cy	40.00	2,000	
	SUBTOTAL					20,268

TOTAL - FOUNDATIONS					\$78,144
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Design Development Cost Estimate

GFA

1,344

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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CONCESSIONS BUILDING

A20 BASEMENT CONSTRUCTION

A2010 BASEMENT EXCAVATION

No Work in this section
SUBTOTAL

-

A2020 BASEMENT WALLS

No Work in this section
SUBTOTAL

-

TOTAL - BASEMENT CONSTRUCTION

\$0

B10 SUPERSTRUCTURE

B1010 FLOOR CONSTRUCTION

SUBTOTAL

-

B1020 ROOF CONSTRUCTION

51200 Roof framing including deck
SUBTOTAL

1,750

sf

40.00

70,000

70,000

TOTAL - SUPERSTRUCTURE

\$70,000

B20 EXTERIOR CLOSURE

B2010 EXTERIOR WALLS

Exterior Wall Area; Solid

1,740

sf

042000 MASONRY

040001 10" GF CMU w/ split-face solid grout CMU base
040001 Precast sill

1,680

sf

42.00

70,560

20

lf

75.00

1,500

055000 MISC. METALS

050001 Miscellaneous metals to exterior masonry; lintels, angles etc.

1,680

sf

2.00

3,360

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

070001 Air barrier

NR

070001 Miscellaneous sealants to closure

1,680

sf

1.00

1,680

072100 THERMAL INSULATION

072100 Insulation

NR

076400 CLADDING

76800 Composite wall panel fascia

304

sf

110.00

33,440

101400 SIGNAGE

101400 Allowance for signage

1

ls

5,000.00

5,000

SUBTOTAL

115,540



Design Development Cost Estimate

GFA 1,344

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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CONCESSIONS BUILDING

B2020 WINDOWS

061000 ROUGH CARPENTRY

061000 Wood blocking at openings 80 lf 11.00 880

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

070001 Backer rod & double sealant 80 lf 9.00 720

080001 METAL WINDOWS

080002 Windows; 4'x4' transom window with 2 1/4" thick stainless steel transom counter 2 ea 3,000.00 6,000

080002 Windows; 4'x4' 3 ea 2,000.00 6,000

SUBTOTAL 13,600

B2030 EXTERIOR DOORS

061000 ROUGH CARPENTRY

061000 Wood blocking at openings 65 lf 11.00 715

079200 JOINT SEALANTS

070001 Backer rod & double sealant 65 lf 9.00 585

081110 HOLLOW METAL

081110 Double leaf door w/ transom, hardware and frame 2 pr 3,400.00 6,800

083513 OVERHEAD DOORS

083323 Overhead door, 6'x8' 1 ea 4,800.00 4,800

090007 PAINTING

090007 Finish doors and frames 2 ea 200.00 400

SUBTOTAL 13,300

TOTAL - EXTERIOR CLOSURE

\$142,440

B30 ROOFING

B3010 ROOF COVERINGS

061000 ROUGH CARPENTRY

061000 Wood blocking & rough carpentry 152 lf 20.00 3,040

070002 ROOFING AND FLASHING

070002 Membrane roof system, type 1C; membrane on coverboard on 3" insulation on vapor barrier on sheathing 1,750 sf 25.00 43,750

070002 Sheet metal edge fascia @ spine and canopies 152 lf 25.00 3,800

SUBTOTAL 50,590

B3020 ROOF OPENINGS

SUBTOTAL -

TOTAL - ROOFING

\$50,590



Design Development Cost Estimate

GFA

1,344

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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CONCESSIONS BUILDING

C10 INTERIOR CONSTRUCTION

C1010 PARTITIONS

042000 MASONRY

040001	Interior partitions; 6" CMU	2,160	sf	35.00	75,600		
	SUBTOTAL					75,600	

C1020 INTERIOR DOORS

061000 ROUGH CARPENTRY

061000	Wood blocking at openings	140	lf	4.00	560		
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070001 WATERPROOFING, DAMPPROOFING AND CAULKING

070001	Backer rod & double sealant	140	lf	2.50	350		
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081110 HOLLOW METAL DOOR FRAMES

081110	Single leaf door, hollow metal frame and hardware	7	ea	2,200.00	15,400		
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081110	Double leaf door, hollow metal frame and hardware @ electric closet	1	pr	2,500.00	2,500		
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090007 PAINTING

090007	Finish doors and frames	9	ea	200.00	1,800		
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	SUBTOTAL					20,610	
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C1030 SPECIALTIES / MILLWORK

055000 MISCELLANEOUS METALS

050001	Miscellaneous metals throughout building	1,344	gsf	2.25	3,024		
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061000 ROUGH CARPENTRY

092900	Backer panels in electrical closets	1	ls	10,000.00	10,000		
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102110 TOILET COMPARTMENTS

102113	ADA	2	ea	1,800.00	3,600		
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102113	Standard	4	ea	1,600.00	6,400		
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102800 TOILET ACCESSORIES

102813	Toilet room accessories, gang	2	rms	2,500.00	5,000		
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102813	Toilet room accessories, single	2	ea	1,200.00	2,400		
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101400 SIGNAGE

101400	Room Signs, other signage	1,344	gsf	1.00	1,344		
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	SUBTOTAL					31,768	
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TOTAL - INTERIOR CONSTRUCTION

\$127,978

C20 STAIRCASES

C2010 STAIR CONSTRUCTION

No work in this section

SUBTOTAL

-

C2020 STAIR FINISHES

No work in this section

SUBTOTAL

-

TOTAL - STAIRCASES

\$0

159
160
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Design Development Cost Estimate

GFA

1,344

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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CONCESSIONS BUILDING

C30 INTERIOR FINISHES

C3010 WALL FINISHES

090007 PAINTING

090007	Paint to CMU walls	6,000	sf	0.80	4,800		
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SUBTOTAL

4,800

C3020 FLOOR FINISHES

033000 CONCRETE

033000	Stained concrete	1,210	sf	6.00	7,260		
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SUBTOTAL

7,260

C3030 CEILING FINISHES

092900 GYPSUM BOARD ASSEMBLIES

092900	GWB ceiling	1,210	sf	16.00	19,360		
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090007 PAINTING

090007	Paint to GWB	1,210	sf	1.20	1,452		
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SUBTOTAL

20,812

TOTAL - INTERIOR FINISHES

\$32,872

D10 CONVEYING SYSTEMS

D1010 ELEVATOR

No work in this section

SUBTOTAL

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TOTAL - CONVEYING SYSTEMS

\$0

D20 PLUMBING

D20 PLUMBING, GENERALLY

Equipment

220000	Electric domestic water heater (33Gal, 12KW) EWH-5	1	ea	10,000.00	10,000		
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220000	Hot water circulator pump assembly	1	ea	1,500.00	1,500		
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220000	Thermostatic Mixing valve	1	ea	3,000.00	3,000		
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220000	Water meter assembly	1	ea	2,500.00	2,500		
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220000	Main reduced pressure backflow preventer	1	ea	2,500.00	2,500		
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Fixtures

220000	Water closet	8	ea	2,390.00	19,120		
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220000	Urinal	1	ea	2,350.00	2,350		
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220000	Lavatory	2	ea	2,350.00	4,700		
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220000	2-Station lavatory	2	ea	5,750.00	11,500		
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220000	Kitchenette sink	2	ea	2,050.00	4,100		
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220000	Mop sink	1	ea	2,050.00	2,050		
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220000	Electric Water Cooler	1	ea	4,300.00	4,300		
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220000	Hose Bibb	2	ea	500.00	1,000		
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220000	Refrigerator Outlet	3	ea	400.00	1,200		
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Domestic & non potable piping

220000	Copper pipe type L with fittings & hangers 2 1/2" or less	520	lf	60.00	31,200		
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220000	Valves & accessories	1	ls	5,304.00	5,304		
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Sanitary waste and venting

220000	Floor Drains	4	ea	1,800.00	7,200		
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220000	Cast iron pipe with fittings & hangers	360	lf	70.00	25,200		
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Design Development Cost Estimate

GFA 1,344

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST	
CONCESSIONS BUILDING								
281	220000	<u>Storm & Overflow Drainage, Hubless Cast Iron Pipe</u>						
282	220000			Pitched roof (with architecture)				
283	220000	<u>Pipe insulation</u>						
284	220000	Domestic & non potable pipe insulation	520	lf	15.00	7,800		
285	220000	<u>Miscellaneous</u>						
286	220000	System testing and flushing	1	ls	500.00	500		
287	220000	Coring, cutting, sleeves & fire stopping	1	ls	400.00	400		
288	220000	Hydraulic lifts/rigging	1	ls	300.00	300		
289	220000	Shop drawings / BIM / ENG Support / As-Builts	1	ls	1,000.00	1,000		
290	220000	Commissioning Support	1	ls	350.00	350		
291	220000	Fees & permits	1	ls	800.00	800		
292		SUBTOTAL					149,874	
293								
294	TOTAL - PLUMBING							\$149,874
295								
296								
297	D30 HVAC							
298								
299	D30 HVAC, GENERALLY							
300	230000	<u>Heating / Cooling Equipment</u>						
301	230000	Unit Heaters (Electric)	10	ea	1,600.00	16,000		
302	230000	<u>Air Distribution</u>						
303	230000	<u>Exhaust fan</u>						
304	230000	Exhaust fans (<1000cfm)	1	ea	2,000.00	2,000		
305	230000	<u>Sheet metal & Accessories</u>						
306	230000	Galvanized ductwork with fittings & hangers	400	lbs	18.50	7,400		
307	230000	Duct insulation.	260	sf	5.50	1,430		
308	230000	Registers, grilles & diffusers	5	ea	250.00	1,250		
309	230000	Sheetmetal miscellaneous accessories	1,334	sf	0.40	534		
310	230000	<u>Automatic Temperature Controls</u>						
311	230000	Automatic Temperature Controls	1	ea	20,000.00	20,000		
312	230000	<u>Balancing</u>						
313	230000	System testing & balancing	1,344	sf	1.25	1,680		
314	230000	<u>Miscellaneous</u>						
315	230000	Coring, cutting, sleeves & fire stopping	1	ls	600.00	600		
316	230000	Hydraulic lifts/rigging	1	ls	300.00	300		
317	230000	Coordination / BIM / ENG Support / As-Builts	1	ls	800.00	800		
318	230000	Commissioning Support	1	ls	300.00	300		
319	230000	Fees & permits					waived	
320		SUBTOTAL					52,294	
321								
322	TOTAL - HVAC							\$52,294
323								
324	D40 FIRE PROTECTION							
325								
326	D40 FIRE PROTECTION, GENERALLY							
327	No work in this section							
328	SUBTOTAL						-	
329								
330	TOTAL - FIRE PROTECTION							\$0
331								



Design Development Cost Estimate

GFA 1,344

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
CONCESSIONS BUILDING							
D50 ELECTRICAL							
D5010 ELECTRICAL SYSTEMS							
260000	Allowance for electrical (no detail shown)	1,344	gsf	40.00	53,760		
	SUBTOTAL					53,760	
TOTAL - ELECTRICAL							\$53,760
E10 EQUIPMENT							
E10 EQUIPMENT, GENERALLY							
116600 EQUIPMENT							
113100	Commercial refrigerators - allow	3	ea	7,500.00	22,500		
	SUBTOTAL					22,500	
TOTAL - EQUIPMENT							\$22,500
E20 FURNISHINGS							
E2010 FIXED FURNISHINGS							
123553	Lockable storage cabinets, 36" wide	3	ea	2,500.00	7,500		
123553	Base cabinet, counter	4.5	lf	500.00	2,250		
123553	Plam counter @ concessions	17	lf	200.00	3,400		
123553	Plam counter @ ticketing	14	lf	200.00	2,800		
123553	Metal cabinet in storage, 4' wide				assume F,F&E		
123553	Metal shelving in storage	4	lf	90.00	360		
	SUBTOTAL					16,310	
E2020 MOVABLE FURNISHINGS							
All movable furnishings to be provided and installed by owner							
	SUBTOTAL						NIC
TOTAL - FURNISHINGS							\$16,310
F10 SPECIAL CONSTRUCTION							
F10 SPECIAL CONSTRUCTION							
No work in this section							
	SUBTOTAL						\$0
TOTAL - SPECIAL CONSTRUCTION							\$0
F20 SELECTIVE BUILDING DEMOLITION							
F2010 BUILDING ELEMENTS DEMOLITION							
See main summary for demolition of existing buildings							
	SUBTOTAL						\$0
F2020 HAZARDOUS COMPONENTS ABATEMENT							
See main summary for HazMat allowance							
	SUBTOTAL				See Summary		\$0
TOTAL - SELECTIVE BUILDING DEMOLITION							\$0
SUBTOTAL							\$ 796,762



Design Development Cost Estimate

	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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Alternates

S1 Sports field storage building

10'x30' Exterior roll-up relocatable mobile storage unit - allow	300	sf	100.00	30,000			
Concrete floor slab	384	sf	20.00	7,680			
Electrical to storage building	1	ls	5,000.00	5,000			
SUBTOTAL						42,680	
Add Markups & Contingencies	20%					8,536	

TOTAL						\$51,216
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S2 Additional athletic field irrigation beyond base project scope @ 245,000 sf

Deduct							
Hand water fields not irrigated	(245,000)	sf	0.25	(61,250)			
Add							
Irrigation at practice fields	245,000	sf	2.00	490,000			
SUBTOTAL						428,750	
Add Markups & Contingencies	20%					85,750	

TOTAL						\$514,500
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S3 Provide 435,000sf sod in lieu of seed for athletic fields

Deduct							
Athletic Seed	(435,000)	sf	0.55	(239,250)			
Power rake and hydroseed disturbed areas						NR	
Add							
<u>Natural grass fields</u>	435,000	sf					
Athletic Sod	435,000	sf	2.25	978,750			
SUBTOTAL						739,500	
Add Markups & Contingencies	20%					147,900	

TOTAL						\$887,400
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COST ESTIMATE COMPARISON SPREADSHEET (UNIFORMAT)

East Longmeadow High School (New Construction)																
Estimated Construction Start Date:		October-23			January-24			March-24			June-24			December-24		
Division #	Description	Project Scope & Budget			Project Funding Agreement			Design Development			60% CD			100% CD		
		GSF	Total Cost	Unit Cost	GSF	Total Cost	Unit Cost	GSF	Total Cost	Unit Cost	GSF	Total Cost	Unit Cost	GSF	Total Cost	Unit Cost
A	Substructure	191,796	\$5,693,237	\$29.68	191,796	\$5,693,237	\$29.68	191,796	\$5,305,742	\$27.66			#DIV/0!			#DIV/0!
B	Shell	191,796	\$26,925,082	\$140.38	191,796	\$26,925,082	\$140.38	191,796	\$27,015,221	\$140.85	0	\$0	#DIV/0!	0	0	#DIV/0!
B10	Superstructure	191,796	\$8,478,362	\$44.21	191,796	\$8,478,362	\$44.21	191,796	\$9,138,431	\$47.65	0		#DIV/0!	0		#DIV/0!
B20	Exterior Enclosure	191,796	\$13,604,331	\$70.93	191,796	\$13,604,331	\$70.93	191,796	\$13,295,270	\$69.32	0	\$0	#DIV/0!	0	0	#DIV/0!
	B2010 Exterior Walls	191,796	\$8,588,560	\$44.78	191,796	\$8,588,560	\$44.78	191,796	\$9,508,745	\$49.58	0		#DIV/0!	0		#DIV/0!
	B2020 Exterior Windows	191,796	\$4,813,841	\$25.10	191,796	\$4,813,841	\$25.10	191,796	\$3,600,125	\$18.77	0		#DIV/0!	0		#DIV/0!
	B2030 Exterior Doors	191,796	\$201,930	\$1.05	191,796	\$201,930	\$1.05	191,796	\$186,400	\$0.97	0		#DIV/0!	0		#DIV/0!
B30	Roofing	191,796	\$4,842,389	\$25.25	191,796	\$4,842,389	\$25.25	191,796	\$4,581,520	\$23.89	0		#DIV/0!	0		#DIV/0!
C	Interiors	191,796	\$16,015,908	\$83.50	191,796	\$16,015,908	\$83.50	191,796	\$17,785,825	\$92.73	0		#DIV/0!	0		#DIV/0!
D	Services	191,796	\$33,709,191	\$175.76	191,796	\$33,709,191	\$175.76	191,796	\$35,924,188	\$187.30	0	\$0	#DIV/0!	0	0	#DIV/0!
D10	Conveying	191,796	\$176,438	\$0.92	191,796	\$176,438	\$0.92	191,796	\$194,800	\$1.02	0		#DIV/0!	0		#DIV/0!
D20	Plumbing	191,796	\$4,435,669	\$23.13	191,796	\$4,435,669	\$23.13	191,796	\$5,116,657	\$26.68	0		#DIV/0!	0		#DIV/0!
D30	HVAC	191,796	\$14,772,081	\$77.02	191,796	\$14,772,081	\$77.02	191,796	\$15,393,192	\$80.26	0		#DIV/0!	0		#DIV/0!
D40	Fire Protection	191,796	\$1,566,429	\$8.17	191,796	\$1,566,429	\$8.17	191,796	\$1,506,369	\$7.85	0		#DIV/0!	0		#DIV/0!
D50	Electrical	191,796	\$12,758,574	\$66.52	191,796	\$12,758,574	\$66.52	191,796	\$13,713,170	\$71.50	0		#DIV/0!	0		#DIV/0!
E	Furnishings & Fixed Equipment	191,796	\$6,145,949	\$32.04	191,796	\$6,145,949	\$32.04	191,796	\$5,495,125	\$28.65	0		#DIV/0!	0		#DIV/0!
Building Subtotal		191,796	\$88,489,367	\$461	191,796	\$88,489,367	\$461.37	191,796	\$91,526,101	\$477.21	0	\$0	#DIV/0!	0	0	#DIV/0!
F	Special Construction & Demo	191,796	\$3,792,264	\$19.77	191,796	\$3,792,264	\$19.77	191,796	\$3,224,738	\$16.81	0		#DIV/0!	0		#DIV/0!
G	Other Site Construction	191,796	\$21,971,646	\$114.56	191,796	\$21,971,646	\$114.56	191,796	\$23,265,226	\$121.30	0	\$0	#DIV/0!	0	0	#DIV/0!
G10	Site Preparation	191,796	\$4,734,654	\$24.69	191,796	\$4,734,654	\$24.69	191,796	\$5,118,055	\$26.68	0		#DIV/0!	0		#DIV/0!
G20	Site Improvements	191,796	\$12,251,093	\$63.88	191,796	\$12,251,093	\$63.88	191,796	\$12,374,926	\$64.52	0		#DIV/0!	0		#DIV/0!
G30	Mechanical Utilities	191,796	\$2,647,298	\$13.80	191,796	\$2,647,298	\$13.80	191,796	\$2,804,433	\$14.62	0		#DIV/0!	0		#DIV/0!
G40	Electrical Utilities	191,796	\$2,338,601	\$12.19	191,796	\$2,338,601	\$12.19	191,796	\$2,967,812	\$15.47	0		#DIV/0!	0		#DIV/0!
Subtotal		191,796	\$114,253,277	\$596	191,796	\$114,253,277	\$595.70	191,796	\$118,016,065	\$615.32	0	\$0	#DIV/0!	0	0	#DIV/0!
Z	Mark-Ups	191,796	\$26,724,461	\$139.34	191,796	\$26,724,461	\$139.34	191,796	\$25,936,855	\$135.23	0	#REF!	#REF!	0	#REF!	#REF!
Z	Insurance	191,796	\$2,137,678	\$11.15	191,796	\$2,137,678	\$11.15	191,796	\$2,005,910	\$10.46	0	#REF!	#REF!	0	#REF!	#REF!
Z	Subcontractor Bonds	191,796	\$704,298	\$3.67	191,796	\$704,298	\$3.67	191,796	\$1,025,079	\$5.34	0	#REF!	#REF!	0	#REF!	#REF!
Z	GC Bonds	191,796		\$0.00	191,796		\$0.00	191,796		\$0.00	0	#REF!	#REF!	0	#REF!	#REF!
Z	Design & Pricing Contingency	191,796	\$8,568,996	\$44.68	191,796	\$8,568,996	\$44.68	191,796	\$5,900,803	\$30.77	0	#REF!	#REF!	0	#REF!	#REF!
Z	GMP Contingency	191,796	\$2,641,461	\$13.77	191,796	\$2,641,461	\$13.77	191,796	\$2,949,868	\$15.38	0	#REF!	#REF!	0	#REF!	#REF!
Z	General Conditions	191,796	\$9,847,252	\$51.34	191,796	\$9,847,252	\$51.34	191,796	\$11,105,327	\$57.90	0	#REF!	#REF!	0	#REF!	#REF!
Z	Overhead & Profit	191,796	\$2,824,776	\$14.73	191,796	\$2,824,776	\$14.73	191,796	\$2,949,868	\$15.38	0	#REF!	#REF!	0	#REF!	#REF!
Construction Subtotal		191,796	\$140,977,738	\$735	191,796	\$140,977,738	\$735.04	191,796	\$143,952,920	\$750.55	0	#REF!	#REF!	0	#REF!	#REF!
Z	Escalation to Construction Mid-Point	191,796	\$6,560,175	\$34.20	191,796	\$6,560,175	\$34.20	191,796	\$3,540,482	\$18.46	0	#REF!	#REF!	0	#REF!	#REF!
Total Addition Cost		191,796	\$147,537,913		191,796	\$147,537,913		191,796	\$147,493,402		0	#REF!		0	#REF!	
\$/GSF			\$769			\$769			\$769			#REF!			#REF!	

March 29th, 2024

Nina Pappacostas

Project Coordinator
Massachusetts School Building Authority
40 Broad St. Suite 500
Boston, MA 02109

100% DD Cost Estimate Analysis / Reconciliation

Dear Ms. Pappacostas,

There were two independent estimates performed for the East Longmeadow High School 100% Design Development submission.

1. The Architect, Jones Whitsett Architects, engaged PM&C to estimate the value of the project.
2. Fontaine Bros. Inc., the Construction Manager, estimated the project in house.

On Tuesday, March 26th, 2024, Skanska USA Building, Jones Whitsett Architects, SMMA, Fontaine Bros., PM&C, and representatives from the District met to reconcile the two estimates. Discussions regarding materials, quantities, and approaches occurred during the meeting. At the end of the day, the two estimates were within \$87,895 of each other which is a .05% separation. We feel that this separation is extremely minimal, especially considering the scope and complexity of the project.

The team is satisfied with the results of the 100% DD estimate reconciliation. We feel that we have a great understanding of the potential project cost.

The East Longmeadow School Building Committee has been thoroughly briefed on the estimate and the costs included in it. Please contact me should you have any questions or comments.

Sincerely,



Benjamin Murphy
Program Manager
617-275-6422
Ben.murphy@skanska.com

RECONCILED CONSTRUCTION COST ESTIMATE TEMPLATE

District: Town of East Longmeadow
Project: East Longmeadow High School
OPM: Skanska Building USA
Designer: JWA in Association with SMMA
CM (if applicable): Fontaine Bros.
Project Type: New Construction
Submittal (DD/60/90): DD
Proposed Gross SqFt: 191,756

CSI DIVISION	DESCRIPTION	DESIGNER COST ESTIMATE	CM Cost Estimate	OPM Reconciled Amount
n/a	Design Contingency	\$5,926,770	\$5,900,803	\$5,900,803
n/a	Escalation	\$3,081,921	\$3,540,482	\$3,540,482
n/a	GMP Fee	\$2,950,248	\$2,949,868	\$2,949,868
n/a	GMP Insurance	\$2,028,567	\$2,005,910	\$2,005,910
n/a	Payment & Performance Bonds	\$1,036,658	\$1,025,079	\$1,025,079
n/a	GMP Contingency	\$2,950,248	\$2,949,868	\$2,949,868
1000	General Requirements	\$11,071,477	\$11,105,327	\$11,105,327
2000	Existing Conditions	\$3,235,859	\$3,184,038	\$3,184,038
3000	Concrete	\$5,164,851	\$4,747,690	\$4,747,690
4000	Masonry	\$4,088,843	\$4,026,779	\$4,026,779
5000	Metals	\$9,110,331	\$9,322,886	\$9,322,886
6000	Woods, Plastics, Composites	\$1,305,714	\$2,275,320	\$2,275,320
7000	Thermal and Moisture Protection	\$9,724,213	\$9,006,043	\$9,006,043
8000	Openings	\$5,425,495	\$5,697,235	\$5,697,235
9000	Finishes	\$13,000,910	\$13,671,269	\$13,671,269
10000	Specialties	\$1,166,618	\$734,285	\$734,285
11000	Equipment	\$4,190,600	\$3,144,510	\$3,144,510
12000	Furnishings	\$2,521,836	\$1,749,257	\$1,749,257
13000	Special Construction	\$199,730	\$55,700	\$55,700
14000	Conveying Equipment	\$190,000	\$195,000	\$195,000
21000	Fire Suppression	\$1,910,351	\$1,506,369	\$1,506,369
22000	Plumbing	\$5,185,177	\$5,116,657	\$5,116,657
23000	Heating Ventilating and Air Conditioning	\$15,473,477	\$15,393,192	\$15,393,192
26000	Electrical	\$15,362,497	\$10,346,110	\$10,346,110
27000	Communications		\$1,797,299	\$1,797,299
28000	Electronic Safety and Security		\$1,569,762	\$1,569,762
31000	Earthwork	\$9,695,664	\$7,189,069	\$7,189,069
32000	Exterior Improvements	\$9,239,219	\$12,021,807	\$12,021,807
33000	Utilities	\$2,344,022	\$5,265,787	\$5,265,787
Subtotal Base Contract Amount		\$147,581,296	\$147,493,401	\$147,493,401
Bid Alternates (If applicable)		\$0	\$0	\$0
TOTAL AMOUNT		\$147,581,296	\$147,493,401	\$147,493,401
TOTAL \$/SF		769.6306556	769.1722867	769.1722867

\$147,493,401
769.1722867
Transfer this Total to the Updated Total Project Budget

**East Longmeadow
East Longmeadow High School**

Total Project Budget: All costs associated with the project are subject to 963 CMR 2.16(5)	Estimated Budget	Scope Items Excluded from the Estimated Basis of Maximum Facilities Grant or Otherwise Ineligible	Estimated Basis of Maximum Total Facilities Grant¹	Estimated Maximum Total Facilities Grant¹
Feasibility Study Agreement				
OPM Feasibility Study	\$324,880	\$0	\$324,880	
A&E Feasibility Study	\$785,000	\$0	\$785,000	
Environmental & Site	\$125,000	\$0	\$125,000	
Other	\$25,120	\$0	\$25,120	
Feasibility Study Agreement Subtotal	\$1,260,000	\$0	\$1,260,000	\$780,570
Administration				
Legal Fees	\$50,000	\$50,000	\$0	\$0
Owner's Project Manager				
Design Development	\$1,000,000	\$0	\$1,000,000	
Construction Contract Documents	\$1,300,000	\$23,754	\$1,276,246	
Bidding	\$270,000	\$0	\$270,000	
Construction Contract Administration	\$2,000,000	\$1,448,000	\$552,000	
Closeout	\$268,947	\$0	\$268,947	
Extra Services	\$0	\$0	\$0	
Reimbursable & Other Services	\$100,000	\$0	\$100,000	
Cost Estimates	\$30,000	\$0	\$30,000	
Advertising	\$10,000	\$0	\$10,000	
Permitting	\$0	\$0	\$0	
Owner's Insurance	\$125,000	\$0	\$125,000	
Other Administrative Costs	\$0	\$0	\$0	
Administration Subtotal	\$5,153,947	\$1,521,754	\$3,632,193	\$2,250,144
Architecture and Engineering				
Basic Services				
Design Development	\$3,492,198		\$3,492,198	
Construction Contract Documents	\$4,889,077	\$67,867	\$4,821,210	
Bidding	\$698,440	\$0	\$698,440	
Construction Contract Administration	\$4,609,701	\$4,137,145	\$472,556	
Closeout	\$279,376	\$0	\$279,376	
Other Basic Services	\$0	\$0	\$0	
Basic Services Subtotal	\$13,968,792	\$4,205,012	\$9,763,780	
Reimbursable Services				
Construction Testing	\$70,000	\$0	\$70,000	
Printing (over minimum)	\$0	\$0	\$0	
Other Reimbursable Costs	\$200,000	\$0	\$200,000	
Hazardous Materials	\$50,000	\$0	\$50,000	
Geotechnical & Geo-Environmental	\$800,000	\$0	\$800,000	
Site Survey	\$10,000	\$0	\$10,000	
Wetlands	\$10,000	\$0	\$10,000	
Traffic Studies	\$100,000	\$0	\$100,000	
Architectural/Engineering Subtotal	\$15,208,792	\$4,205,012	\$11,003,780	\$6,816,842
CM at Risk Pre-Construction Services				
Pre-Construction Services	\$300,000	\$0	\$300,000	\$185,850
Site Acquisition				
Land / Building Purchase	\$0	\$0	\$0	
Appraisal Fees	\$0	\$0	\$0	
Recording fees	\$0	\$0	\$0	
Site Acquisition Subtotal	\$0	\$0	\$0	\$0
Construction Costs				
SUBSTRUCTURE				
Foundations	\$5,305,742			
Basement Construction				
SHELL				
Super Structure	\$9,138,431			
Exterior Closure				
Exterior Walls	\$9,508,745			
Exterior Windows	\$3,600,125			
Exterior Doors	\$186,400			
Roofing	\$4,581,520			
INTERIORS				
Interior Construction	\$10,214,631			
Staircases	\$400,000			
Interior Finishes	\$7,171,194			
SERVICES				
Conveying Systems	\$194,800			
Plumbing	\$5,116,657			
HVAC	\$15,393,192			
Fire Protection	\$1,506,369			
Electrical	\$13,713,170			
EQUIPMENT & FURNISHINGS				
Equipment	\$3,163,278			
Furnishings	\$2,331,847			
SPECIAL CONSTRUCTION & DEMOLITION				
Special Construction	\$40,700			
Existing Building Demolition	\$3,184,038	\$0		
In-Building Hazardous Material Abatement		\$0		
Asbestos Containing Floor Material / Ceiling Tile Abatement		\$415,286		
Other Hazardous Material Abatement		\$125,000		
BUILDING SITE WORK				
Site Preparation	\$5,118,055	\$0		
Site Improvements	\$12,374,926	\$0		
Site Civil / Mechanical Utilities	\$2,804,433	\$0		
Site Electrical Utilities	\$2,967,812	\$0		
Scope Excluded Site Work	\$0	\$0		
Construction Trades Subtotal	\$118,016,065	\$540,286		
Contingencies (Design and Pricing)	\$5,900,803	\$40,521		
Sub-Contractor Bonds	\$1,025,079	\$3,331		
D/B/B Insurance		\$0		
General Conditions	\$11,105,327	\$46,566		
D/B/B Overhead & Profit		\$0		
GMP Insurance	\$2,005,910	\$10,109		
GMP Fee	\$2,949,868	\$13,358		
GMP Contingency	\$2,949,868	\$12,491		
Escalation to Mid-Point of Construction	\$3,540,482	\$31,022		
Construction Cost over Funding Cap		\$34,640,615		
Construction Budget	\$147,493,402	\$35,338,299	\$112,199,614	\$69,507,661
Alternates				
Ineligible Work Included in the Base Project	\$0	\$0	\$0	
Alternates Included in the Total Project Budget	\$0	\$0	\$0	
Alternates Excluded from the Total Project Budget	\$1,473,304		\$1,473,304	
Subtotal to be Included in Total Project Budget	\$0	\$0	\$0	\$0
Miscellaneous Project Costs				
Utility Company Fees	\$200,000	\$0	\$200,000	

Testing Services	\$200,000	\$0	\$200,000	
Swing Space / Modulares	\$0	\$0	\$0	
Other Project Costs (Mailing & Moving)	\$100,000	\$100,000	\$0	
Miscellaneous Project Costs Subtotal	\$500,000	\$100,000	\$400,000	\$247,800
Furnishings and Equipment				
Furniture, Fixtures & Equipment	\$2,160,000	\$1,200,000	\$960,000	
Technology	\$1,200,000	\$240,000	\$960,000	
FF&E Subtotal	\$3,360,000	\$1,440,000	\$1,920,000	\$1,189,440
Soft Costs that exceed 20% of Construction Cost		\$0	\$0	
Project Budget	\$173,276,141	\$42,605,065	\$130,715,587	\$80,978,306

Board Authorization	
Design Enrollment	800
Total Building Gross Floor Area (GSF)	191,796
Total Project Budget (excluding Contingencies)	\$173,276,141
Scope Items Excluded or Otherwise Ineligible	- \$42,605,065
Third Party Funding (Ineligible)	- \$0
Estimated Basis of Maximum Total Facilities Grant ¹	\$130,715,587
Reimbursement Rate ³	61.95%
Est. Max. Total Facilities Grant (before recovery) ¹	\$80,978,306
Cx Costs associated with Ineligible Building Area ⁴	- \$11,221
Cost Recovery associated with Prior Projects ⁴	- \$0
Estimated Maximum Total Facilities Grant ¹	\$80,967,085

56.48 Reimbursement Rate Before Incentive Points
5.47 Total Incentive Points³
61.95% MSBA Reimbursement Rate

NOTES
This document was prepared by the MSBA based on a preliminary review of information and estimates provided by the Town of East Longmeadow for the East Longmeadow High School project. Based on this preliminary review, certain budget, cost and scope items have been determined to be ineligible for reimbursement, however, this document does not contain a final, exhaustive list of all budget, cost and scope items which may be ineligible for reimbursement by the MSBA. Nor is it intended to be a final determination of which budget, cost and scope items may be eligible for reimbursement by the MSBA. All project budget, cost and scope items shall be subject to review and audit by the Authority, and the Authority shall determine, in its sole discretion whether any such budget, cost and scope items are eligible for reimbursement. The MSBA may determine that certain additional budget, cost and scope items are ineligible for reimbursement.

1 - The Estimated Basis of Total Facilities Grant and Estimated Maximum Facilities Grant amounts do not include any potentially eligible contingency funds and are subject to review and audit by the MSBA.

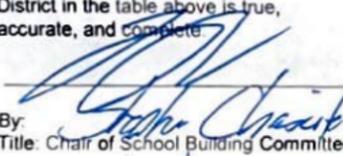
2 - Pursuant to Section 3.21 of the Project Funding Agreement and the applicable policies and guidelines of the Authority, any project costs associated with the reallocation or transfer of funds from either the Owner's contingency or the Construction contingency to other budget line items shall be subject to review by the Authority to determine whether any such costs are eligible for reimbursement by the Authority. All costs are subject to review and audit by the MSBA.

3 - The MSBA has provisionally included three (3) incentive points for energy efficiency, and one (1) incentive point for indoor air quality, subject to the District meeting certain sustainability requirements for the project. If the District does not meet the requirements of the Green Schools Program, the District will not qualify for some or all of these incentive points, and the MSBA will adjust the reimbursement rate accordingly.

4 - Costs associated with the commissioning of ineligible building area will result in the recovery of a portion of the overall commissioning cost. The MSBA has calculated this recovery of funds to be \$11,221 and this amount has been deducted from the Estimated Total Facilities Grant and the Maximum Total Facilities Grant.

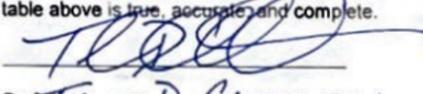
Construction Contingency ²	\$2,804,511
Ineligible Construction Contingency ²	\$1,329,132
"Potentially Eligible" Construction Contingency ²	\$1,475,379
Owner's Contingency ²	\$1,380,000
Ineligible Owner's Contingency ²	\$642,310
"Potentially Eligible" Owner's Contingency ²	\$737,467
Total Potentially Eligible Contingency ²	\$2,213,069
Reimbursement Rate ³	61.95%
Potential Additional Contingency Grant Funds ²	\$1,370,996
Maximum Total Facilities Grant	\$82,338,081
Total Project Budget	\$177,460,652

By signing this Total Project Budget, I hereby certify that I have read and understand the form and further certify, to the best of my knowledge and belief, that the information supplied by the District in the table above is true, accurate, and complete.


By: John Christ
Title: Chair of School Building Committee

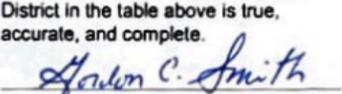
Date: 3/28/24

By signing this Total Project Budget, I hereby certify that I have read and understand the form and further certify, to the best of my knowledge and belief, that the information supplied by the District in the table above is true, accurate, and complete.


By: THOMAS D. CHRISTENSEN
Title: Chief Executive Officer

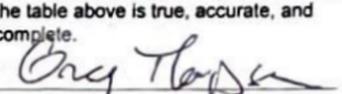
Date: 3/28/24

By signing this Total Project Budget, I hereby certify that I have read and understand the form and further certify, to the best of my knowledge and belief, that the information supplied by the District in the table above is true, accurate, and complete.


By: Gordon C. Smith
Title: Superintendent of Schools

Date: 3/28/24

By signing this Total Project Budget, I hereby certify that I have read and understand the form and further certify, to the best of my knowledge and belief, that the information supplied by the District in the table above is true, accurate, and complete.


By: Gregory M. Thompson
Title: Chair of the School Committee

Date: 3/28/24

**East Longmeadow
East Longmeadow High School**

	Proposed Budget	Total Construction Cost at Schematic Design
Construction Mark-ups Costs		
Contingencies (Design and Pricing) ¹	\$5,900,803	
Escalation to Mid-Point of Construction ¹	\$3,540,482	
Subtotal	\$9,441,285	
Construction Costs		
GMP Fee ¹	\$2,949,868	\$2,949,868
GMP Insurance ¹	\$2,005,910	\$2,005,910
GMP Contingency ¹	\$2,949,868	\$2,949,868
Division 1 - General Requirements ¹	\$12,130,406	\$12,130,406
Division 2 - Existing Conditions	\$3,184,038	\$3,438,761
Division 3 - Concrete	\$4,747,690	\$5,127,505
Division 4 - Masonry	\$4,026,779	\$4,348,921
Division 5 - Metals	\$9,322,886	\$10,068,717
Division 6 - Woods, Plastics and Composites	\$2,275,320	\$2,457,346
Division 7 - Thermal and Moisture Protection	\$9,006,043	\$9,726,526
Division 8 - Openings	\$5,697,235	\$6,153,014
Division 9 - Finishes	\$13,671,269	\$14,764,971
Division 10 - Specialties	\$734,285	\$793,028
Division 11 - Equipment	\$3,144,510	\$3,396,071
Division 12 - Furnishings	\$1,749,257	\$1,889,198
Division 13 - Special Construction	\$55,700	\$60,156
Division 14 - Conveying Systems	\$195,000	\$210,600
Division 21 - Fire Suppression	\$1,506,369	\$1,626,879
Division 22 - Plumbing	\$5,116,657	\$5,525,990
Division 23 - HVAC	\$15,393,192	\$16,624,647
Division 25 - Integrated Automation		\$0
Division 26 - Electrical	\$10,346,110	\$11,173,799
Division 27 - Communications	\$1,797,299	\$1,941,083
Division 28 - Electronic Safety and Security	\$1,569,762	\$1,695,343
Division 31 - Earthwork	\$7,189,069	\$7,764,195
Division 32 - Exterior Improvements	\$12,021,807	\$12,983,552
Division 33 - Utilities	\$5,265,787	\$5,687,050
Construction Trades Subtotal	\$118,016,064	
CSI Construction Budget {w/ mark-ups}²	\$138,052,116	{ \$147,493,401 }
Uniformat Construction Budget²		\$147,493,402

¹ Markup based on Construction Cost Estimates at the conclusion of Schematic Design

² Provide Reconciled CSI Construction Cost Estimates that align with the Uniformat Estimates

Project information								
MSBA ID	Calendar Year of sub bid date	District	School	OPM	Designer	CM/GC	Procurement Type (DBB/CMR)	PS&B Authorised Date (Board Meeting)
201900870505	2024	East Longmeadow	East Longmeadow High School	Skanska	JWA-SMMA	Fontaine Bros	CMR	10/25/2023

PFA or PSBA data							
PS&B/PFA Construction Budget W\ Pre-Con & Alts	Design & Pricing Contingency	Design & Pricing Contingency (% of Construction Budget)	Escalation to mid point of construction (\$)	Escalation to mid point of construction (%)	Total Project Budget	Designer Current Cost Estimate	OPM's Current Cost Estimate
\$147,837,913	\$8,568,996	5.80%	\$6,560,175	4.44%	\$177,460,652	\$147,581,296	\$147,493,401

DD									
OPM Reconciled DD Estimate after VE	Design & Pricing Contingency	Design & Pricing Contingency (% of DD Construction Budget)	Escalation to mid point of construction	Escalation to mid point of construction (%)	Approved VE at DD since PFA	% OF approved VE since PFA	DD Total Project Budget	DD Date	Comments
\$147,493,401	\$5,900,803	4.00%	\$3,540,482	2.40%	\$0	0.00%	\$177,460,652	3/29/2024	After completing the DD cost estimate process, the ELHS Project is estimated to be within the District's approved budget. The Project Team collaborated on an informal list of potential VE items should they be necessary in the future.