CONCORD PUBLIC SCHOOLS CONCORD-CARLISLE REGIONAL SCHOOL DISTRICT

120 MERIAM ROAD CONCORD, MA 01742 PHONE 978-318-1500 FAX 978-318-1537 www.concordpublicschools.net

July 25, 2012

Mary Pichetti Director of Capital Planning Massachusetts School Building Authority 40 Broad Street, Suite 500 Boston, MA 02109

Dear Ms. Pichetti:

Pursuant to MSBA letter dated June 26, 2012, please find attached Districts deliverables as requested. For ease of reference, we have numbered the requests provided responses and tabbed the enclosed binder as follows:

- 1 * A description of the steps the District will undertake in conjunction with its OPM and Designer to produce a detailed design that conforms to the Project Scope and Total Project Budget that were approved by the MSBA as part of the PFA;
- 2 * An updated schedule for submitting a complete Design Development package that conforms with the agreed-upon Project Scope and Total Project Budget, to the MSBA:
- 3 * A detailed breakdown of all architectural and project management fees associated with the development of the detailed design dated March 26, 2012;
- 4 * A detailed breakdown of all architectural and project management fees associated with design, redesign, and cost management efforts incurred since March 26, 2012;
- 5 * A timeline for seeking approval from the Department of Elementary and Secondary Education for any changes to the special education spaces within the design;
- 6 * A statement certifying that the District acknowledges and agrees that the alternative gym must remain detached from the building and that all costs associated with the alternative gym will be clearly identified and separated from the costs associated with the design and construction of the main building;
- 7 * Minutes of the meeting of the School Building Committee indicating that the School Building Committee understands the expectations and requirements of the MSBA;
- 8 * Three proposed dates on which the District is available to meet with the MSBA staff to discuss MSBA expectations and requirements for the remaining phases of the Project; and
- 9 * An explanation of what effects, if any, schedule delays, redesign efforts, and/or budget concerns may have on local funding that has been approved or will be sought from Town Meeting and the Regional School Committee.

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In addition, please find attached Designer organization charts and applicable resumes (tab A) and Owner draft organization chart (tab B).

The District looks forward to the MSBA's review of the enclosed information to continue our partnership in the design and construction of the Concord-Carlisle Regional High School. Please feel free to call me with any questions via (978) 202-1112

Sincerely,

Diana F. Rigby

Superintendent of Schools

Concord-Carlisle Regional School District

cc: Senator Susan Fargo

Representative Cory Atkins

Carmen Reiss, Chair, Concord Board of Selectmen

Christopher Whelan, Town Manager, Town of Concord

Peter Scavongelli, Chair, Carlisle Board of Selectmen

Timothy D. Goddard, Town Administrator, Town of Carlisle

Fabian Fondriest, Chair, Concord-Carlisle School Committee

Stan Durlacher, Chair, Concord-Carlisle Building Committee

Brian Dakin, Owner's Project Manager, KVA Associates, Inc.

Jeanne Roberts, Designer, OMR Architects, Inc.



543 Massachusetts Ave, West Acton, MA 01720 www.omr-architects.com t: 978.264.0160

Memorandum

Concord Carlisle High School

DD Space Comparisons/ Changes to the SD plans 26 July 2012

The document herein addresses changes in the DD plan layout and is divided into three sections: 1) SD Changes in order to receive DESE approval and prior to the PFA (February 2012); 2) Refinement and Development of the Design Package for more functional and effective circulation, program adjacencies, structure, MEP, etc.; and 3) VE Changes Prior to the August 2012 DD Submission.

The few Square footage differences that are above or below 5% of SD are addressed in the Space Summary in the yellow column on the right side of that chart. A few square footage clarification comments are also included in that chart in aqua, where it is not a delta of more than +/- 5%.

1. <u>SD Changes in order to receive DESE approval and prior to the PFA (February 2012)</u>: Developed per discussions with the DESE (January 2012):

Core Academics

Social Science Learning Center: Added for better SPED integration in the core academic disciplines.

Science Learning Center: Relocated to be more central to the science department.

Math Classrooms: Moved in response to structural grid and to be more flexible for interdisciplinary use/integrated STEM.

Teacher Planning (English, Social Science, Math, Foreign Language, and Science): In the SD plans, note that each of the five TP centers was separated into a main room and a private office, though shown in the Space Summary as one total SF. Now, due to making the vertical and horizontal circulation more efficient and easier to navigate the building, and to meet the structural grid, the same overall SF is separated into 3 distinct, functional, activity spaces for the five Teacher Planning centers. These spaces serve the roles of: Privacy/1-on-1 for confidential discussions and phone calls; group work/ tutoring area for quiet work time; and meeting area for group work/ discussions. The teacher planning centers also have ended up more equal between departments which allows for future flexibility in interdisciplinary use.

Small Group Seminar: Relocated to be more central/ adjacent to core stairway connecting floors.

Chemistry Classrooms/Labs: Moved in response to structural grid and more flexible for interdisciplinary use.

Biology Classrooms/Labs: Moved in response to structural grid and more flexible for interdisciplinary use.

Earth Science Classrooms/Labs: Moved in response to structural grid & more flexible for interdisciplinary use.

Earth Science Prep Room: 1 room divided into 2 within the same SD square footage due to proximity.

Special Education

SPED Alternative Program: Relocated to create a more integrated SPED program.

SPED Lighthouse and SPED Resource Center: Flipped locations, adjacencies to the departments are similar. **Learning Centers:** Clarification: The Learning Centers were originally named Resource Centers until SPED discussions with DESE clarified their intent (Jan 2012). These spaces are shared with Core Academics and currently located in the Core Academics Space Summary chart.

2. <u>Refinement and Development of the Design Package for more functional and effective circulation,</u> adjacencies, structure, MEP, etc.)

Core Academics

Chemistry Classrooms/Labs; Biology Classrooms/Labs; Earth Science Classrooms/Labs; Physics Classrooms/Labs: Due to the structural module set by the Humanities wing below, the square footage is slightly over SD but within 5%.

Special Education

SPED Small Group Conference and SPED Secretary/ Waiting (shared with Guidance): Flipped locations within the same suite of rooms for ease of access from main lobby/ corridor, retaining adjacencies. Will mention this minor shift in the DESE submission.

Art & Music/ Vocational & Technology

Ceramics and Architecture/Sculpture: Flipped locations to avoid negative impact of exhaust ducting system. **Ensemble Room:** Relocated to music cluster to meet dimming/ electrical/ rigging needs and adjacency improvement.

Drama/ Band/ Choral/ Practice Rooms: Adjusted to optimize costs related to the recommendation for double height space and daylight to Drama.

Music Storage: 4 storage rooms to 2 within the same total SD square footage as SD to be more efficient. **Electronic Music Lab:** Relocated for more appropriate adjacency to the music program.

Fabrication Lab (Science/Engineering): Dedicated storage for the space separated from the lab, due to structural walls and bracing above fly tower, necessary to improve the acoustical separation from classes below while controlling cost.

Engineering/Robotics: Due to the architectural/ structural need for placement of the elevator, and the need to stack the IDF and electrical closet for VE/ cost considerations, the Robotics dedicated storage was moved out of the main space to two very functional locations: storage of bulky items is now across the hall, and storage of the crates and the plywood used to transport the robots off campus are located in the basement near the wood shop (Fab Lab- Arts) and receiving dock, to avoid lugging the crates up the elevator to the fourth floor. With the Fab Lab next door, some of the larger Robotics construction may be shared with the Fab Lab, allowing the robotics space to continue to serve as a teaching and programming space. For cost considerations, it was recommended that we not relocate the IDF and electrical closet at this juncture.

Media Center

Modest Program evolution within overall SF, based on further research and planning done by the librarian to meet 21st century standards in Media Center needs, including: Faculty workroom was reduced in size; Three of the four special project rooms increased in size, while the larger general student study/work area decreased slightly to accommodate the special project rooms: the two largest spaces each for one full class, one includes computers; the medium size for groups of 4-6 students; and the smallest project room remains on program for 2-3 students.

Auditorium/Drama

Auditorium/ Stage/ Wings: Walls increased for structural bracing; adjustment of the shape of the spaces and the layout of the seating/ aisles, to maximize sight lines, stage access, rigging, HCP access, acoustics. **Auditorium Storage:** 3 storage rooms to 4 within the same total SD square footage due to structure.

Medical

Within same SD square footage, 11 rooms reduced to 9 for structural grid and cost savings (curtains vs walls).

Student Support

Guidance: Shared waiting space with SPED per January 2012 submission, but the space has shifted slightly within the same suite of rooms for better access from the main corridor and adjacencies. We will point out this minor shift in the DESE submission later in this phase.

Teacher Work Room: Relocated across the lobby to make stairway and front lobby more effective.

Other

CCTV: CCTV requires its own entry, kitchenette and toilet rooms due to CORI reasons as users are transitory. These are now included as part of the overall (originally undefined) general space in the same CCTV SF.

Alternate Health and PE Building: Additional toilet rooms were needed to meet the assembly requirements for night time use of the Main building performance gym. The main building could not handle any more gross square footage so these rooms were shifted to the Alternate Building.

3. <u>VE Changes Prior to the August 2012 DD Submission</u>: During VE, through discussions with the CMr and OPM, the following modifications were made:

Core Academics

Health Classroom: Relocated to reduce foundation jogs, resulting in a better adjacency to the PE department. **Physics Prep Room; Earth Science Prep Room:** Shifted to ends of corridors to reduce gross circulation and to be more cost effective. Adjacency remains.

Special Education

SPED Lighthouse, SPED Pathways and SPED OT/PT: For cost savings, SPED Lighthouse and OT/PT were flipped with SPED Pathways to better fit the revised building footprint/ structure/ toilets/ chases/ circulation. This change will be confirmed with DESE later in this phase via the MSBA system.

Art & Music/ Vocational & Technology

Photography and Digital Imaging: Flipped locations due to tighter building footprint and to simplify the ducting for the photo lab exhausting system.

Health & Physical Education

Fitness Center: To minimize cost, relocated space and reduced footprint/ foundation/ perimeter wall jogs/ exterior wall material costs. Remains adjacent to the gym.

Locker Rooms: To minimize cost, relocated space and reduced footprint/ foundation/ perimeter wall jogs/ exterior wall material costs. Remains adjacent to the gym.

Gym Storage: With the above relocations, storage shifted to less costly space. Remains adjacent to the gym.

Media Center

For cost savings, infilled the center portion of the two story cafeteria space with Administration spaces and adjusted media center spaces accordingly. Remains at the center of the school.

Student Support

Administrative Suite: For cost savings, infilled the center portion of the two story cafeteria space with Administration spaces to minimize the footprint, building envelope and exterior materials. Remains adjacent and with full view of the lobby and front door. General Office/Waiting Room and Principal Secretary /Waiting Room were combined into one shared area for better efficiency, flexibility and coverage at all times. Registrar's office and Conference Room were slightly reduced to work with the available space. Teacher's mail and copy room/work room has moved from the right side of the lobby to the left and is now better integrated with student support services.

METCO: With footprint change, relocated from the right side of lobby to left and remains integrated with student support services.

<u>Other</u>

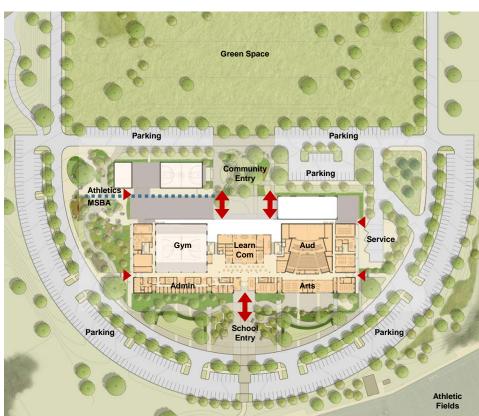
Radio and CCTV: For cost savings, reduced building footprint and perimeter jogs by shifting spaces slightly. **Alternate Health and PE Building:** For cost savings, deleted team rooms to reduce building square footage.

Overall Design Vision: The design concept has consistently remained intact.

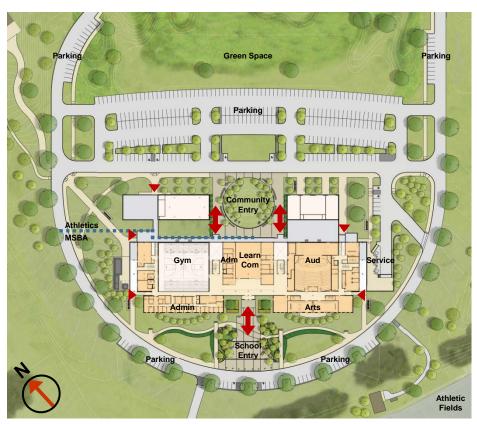
FEASIBILITY STUDY

Parking Parking

MSBA SCHEMATIC DESIGN SUBMISSION



JULY DD ESTIMATE



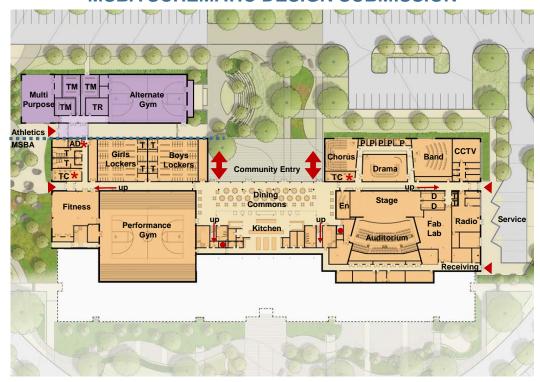
- The site access, orientation, building entries, and service access are as originally envisioned.
- The building remains 4 stories with the lower level set into the north facing slope.
- All departments are in the same original locations with administration adjusted and maintaining a similar relationship in the building.
- The program spaces are within +/- 5% of the SD space summary (except minor deviations in a few administrative, dedicated storage, miscellaneous, and girls locker room).
- The learning and dining commons remain at the heart of the building.
- The DESE spaces are on program with similar adjacencies as per the January 2012 DESE approved submission.
- The building is filled with natural light and meets the educational needs of the District.
- We are achieving at least 59 MA CHPS points and our energy model has continuously improved in performance.
- The parking distribution is revised, locating more spaces to the north than the south in order to save on construction costs and facilitate community use.
- The Base Building meets the 225,826 GSF and net to gross is at 1.45.
- Town financed Alternate Gym Building is detached and reduced in square footage to meet construction costs.
- The Project is still on schedule for students to move in by September 2015.
- The entire Team is committed to delivering an August 2012 DD package that will meet the SD/PFA budget.

As of July 24 2012 budget reconciliation meeting.

1st Floor Program: Physical Education, Dining Commons & Food Service, Performing Arts, Radio, TV, Custodial

Summary: The departments and program spaces, adjacencies, location and clustering remain essentially the same. In order to save on construction costs, we moved the fitness and health classroom to utilize an unoccupied area in the foundation more effectively. Locker rooms were pulled into the Main building to reduce perimeter wall and remain adjacent to the Gym.

MSBA SCHEMATIC DESIGN SUBMISSION



Spaces in same location from SD thru the July DD Estimate:

- Main Community Entry and School Drop-Off (Parent)
- Gymnasium
- Dining Commons and Kitchen
- Auditorium and Stage
- Performing Arts Department (reconfigured)
- Radio and TV (reconfigured)
- Receiving and Custodial (reconfigured)

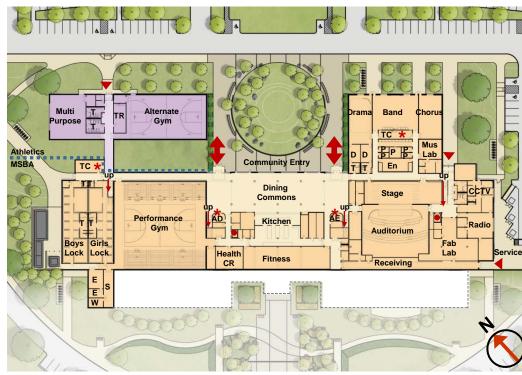
MARCH DD BASELINE ESTIMATE



Minor Space Movement in the March DD Estimate:

- Health Classroom moved down from floor above (requested by user)
- Band, choral, ensemble, practice rooms, and music teacher planning is in similar location but reconfigured around Drama
- Music Lab moved down from level above (requested by user)
- CCTV in similar location with different configuration
- Radio in similar location with different configuration
- Fabrication lab pulled away from auditorium for better circulation
- Dressing rooms relocated next to the drama classroom
- Back of house storage in similar location with different configuration
- In order to reduce construction costs, due to unforeseen site conditions and CMr phasing costs, four options for the Alternate Gym Building were studied and the one shown was determined to be the least costly. This solution also improved the functionality of the building.

JULY DD ESTIMATE



Minor Space Movement in the July DD Estimate:

- Health and Fitness moved into core of building (simplifying foundation const.)
- · Locker rooms square footage reduced and moved to west side of gymnasium to minimize building footprint and perimeter walls
- Electrical and Emergency room relocated to west side of the bldg to shorten utility runs and reduce cost.
- Other Adjacencies and Program elements have remained the same, with minor reconfiguration within Departments in order to improve layout:
 - Performing Arts
 - CCTV and Radio moved slightly south to minimize building footprint
 - Dressing relocated to be adjacent to drama classroom
 - Back of house storage
- Additional restrooms needed per Assembly Use Code in PE area
- Detached alternate gymnasium similar to SD except that the additional restrooms were located here and took the place of the athletic team rooms.

As of July 24 2012 budget reconciliation meeting.

2nd Floor Program: SPED, Nurse, Guidance, Admin, Learning Commons, Visual Arts, Upper Level of Auditorium & Gym

Summary: The departments and program spaces, adjacencies, location and clustering remain essentially the same. Administration moved inboard to reduce building footprint and with the Learning Commons made more effective use of the center portion of the two story cafeteria volume.

MSBA SCHEMATIC DESIGN SUBMISSION



Departments in same location from SD thru July DD Estimate:

- School Drop off (Bus) and Visitor Entry
- Sped (since January 2012 DESE approval)
- Nurse
- Guidance
- Visual Arts (reconfigured)
- Network Room
- All Core Spaces

MARCH DD BASELINE ESTIMATE



Minor Space Movement in the March DD Estimate:

- OT/PT, Lighthouse and Pathways reconfigured for performance within their cluster (per January DESE approval)
- Learning Commons was reconfigured to meet users future needs
- Metco offices moved to the east side of entry
- Teacher copy center relocated to south side of bldg
- Challenge classroom reconfigured but in similar location
- Art Gallery reconfigured along west side of Auditorium
- Ceramics Classroom switched location with Architecture/Sculpture to be adjacent to 2D Art

JULY DD ESTIMATE



Minor Space Movement in the July DD Estimate:

- · Adjacencies and Program elements have remained the same, with minor reconfiguration in Department location in order to improve layout:
 - OT/PT, Lighthouse and Pathways reconfigured within their cluster.
 - Visual Arts
 - Teacher Copy Center
- · Administration relocated to core of building adjacent to Learning Commons, infilling the center portion of the two story cafeteria space and minimizing the building footprint.
- Main office maintains visual control of entry
- Learning commons reconfigured and extends to north window wall gaining more natural light
- METCO offices moved to the west side of building entry

As of July 24 2012 budget reconciliation meeting.

3rd Floor Program: SPED & Humanities (Social Science, English, Foreign Language)

Summary: The departments and program spaces, adjacencies, location and clustering remain essentially the same.

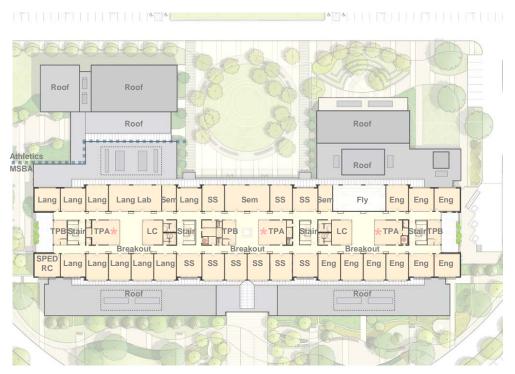
MSBA SCHEMATIC DESIGN SUBMISSION



Spaces in same location from SD thru July DD Estimate:

- Sped Resource Room (since January 2012 DESE approval)
- Learning Centers (since January 2012 DESE approval)
- Teacher Planning Centers remain in core
- The English, Foreign Language and Social Studies Classrooms are located in clusters around their central teaching centers
- Flexible interdisciplinary classroom and teacher center use remains intact.

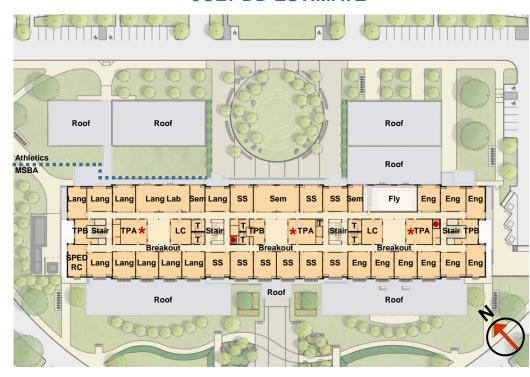
MARCH DD BASELINE ESTIMATE



Minor Space Movement in the March DD Estimate:

- Learning Centers adjusted per January 2012 DESE approval.
- Language Lab shifted one classroom to the east
- Large Group Seminar moved slightly to the west making it more central and flexible to the humanities floor
- Second small group seminar moved from the core to the north side of the building next to the fly space
- Teacher planning centers made more equal and divided into 3 spaces (teacher planning room with workstations, teacher conference room with kitchenette, and a small office for private phone calls and meetings)
- Outdoor classroom terraces added to the east and west side of the building

JULY DD ESTIMATE



Minor Space Movement in the July DD Estimate:

- East and west end classrooms reconfigured to be more efficient, reduce corridors and minimize building perimeter
- Deleted outdoor classroom terraces on the east and west side of the building (not in the SD submission or program)
- Toilet rooms and utility closets rearranged to be more efficient and cost effective for constructability of plumbing/ electrical system runs.
- · Reconfigured stairs on east and west side of the building to be more cost effective in layout.

As of July 24 2012 budget reconciliation meeting.

4th Floor Program: SPED & STEM (Science, Technology, Engineering, Math)

Summary: The departments and program spaces, adjacencies, location and clustering remain essentially the same.

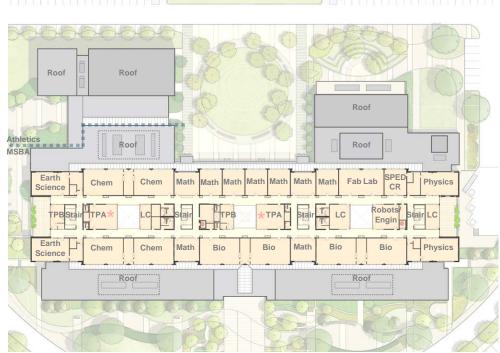
MSBA SCHEMATIC DESIGN SUBMISSION



Spaces in same location from SD thru July DD Estimate:

- Alternative Program (SPED) since January 2012 DESE approval
- Learning Centers (since January 2012 DESE approval)
- Math Classrooms and Science Lab layout as per January 2012 DESE approval
- Teacher Planning Centers remain in core
- Flexible interdisciplinary classroom and teacher center use remains intact

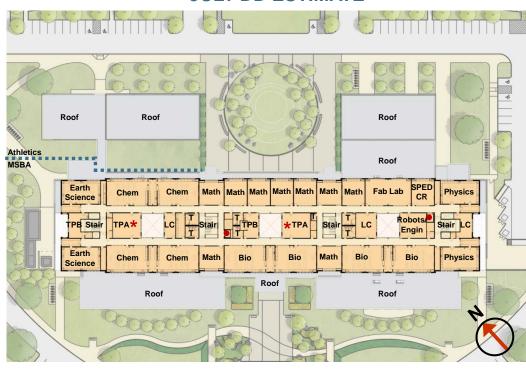
MARCH DD BASELINE ESTIMATE



Minor Space Movement in the March DD Estimate:

- Alternative Program (SPED) adjusted per January 2012 DESE approval
- Learning Centers adjusted per January 2012 DESE approval including the addition of one Learning Center.
- Math classrooms shifted to center of floor for a more integrated STEM program, prior to the January 2012 DESE submission. Also allows for better 21st century interdisciplinary teaching opportunities.
- Robotics classroom reduced in size due to increased size of adjacent mechanical spaces and need for dedicated storage
- Prep rooms slightly relocated but remain adjacent to dedicated science labs
- Teacher planning centers made more equal and divided into 3 spaces (teacher planning room with workstations, teacher conference room with kitchenette, and a small office for private phone calls and meetings)

JULY DD ESTIMATE



Minor Space Movement in the July DD Estimate:

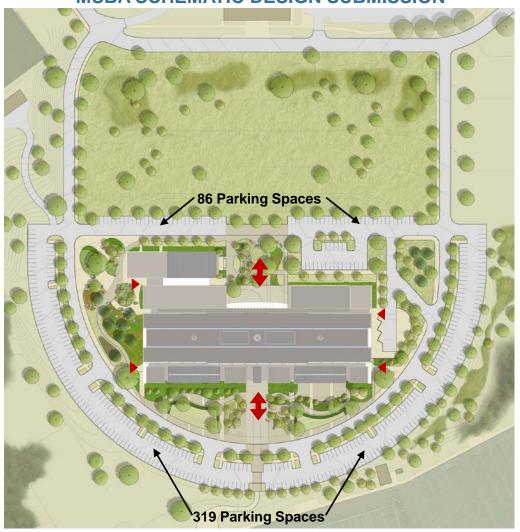
- East and west end classrooms reconfigured to be more efficient, reduce corridors and minimize building perimeter
- Prep rooms slightly relocated but remain adjacent to dedicated science labs
- Toilet rooms and utility closets rearranged to be more efficient and cost effective for constructability of plumbing/ electrical system runs.
- Reconfigured stairs on east and west side of the bldg to be more cost effective in layout.

As of July 24 2012 budget reconciliation meeting.

Value Engineering - Site Plan:

The site has less paving, more undisturbed green space and a greener water retention system. Utilities to the site have been reduced.

MSBA SCHEMATIC DESIGN SUBMISSION



Utilities

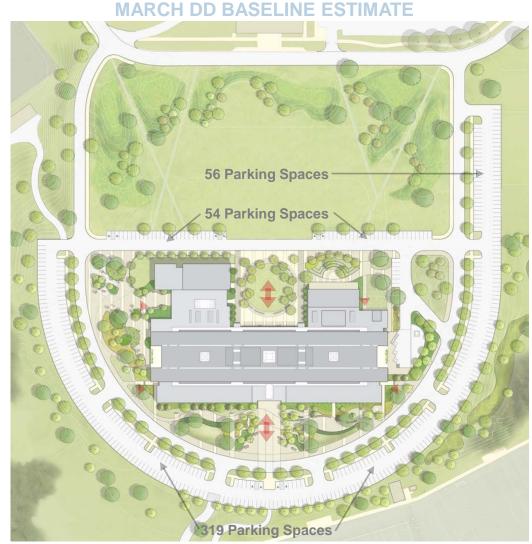
- 4416' new looped water line (SD-VE target to use existing)
- 1730' of new high pressure gas line
- 35 new catch basins
- 2778' of new sewer main piping
- 6 new water quality structures (SD-VE target for SWM Bio savings)

Landscape/Site Improvements:

- Outdoor amphitheater
- 404 new parking spaces

SD-VE Listed Targeted Savings:

- 1/3 reduction in site hardscape, light bollards, and pavement
- 10% reduction in planting
- Delete irrigation system and add sleeves
- Reduce cut/ fill by dropping Building Elevation, soils and grading



Utilities

- 1600' of new water line loop
- 2350' of new high pressure gas line
- 50 new catch basins
- 1462' of new sewer main piping
- 3 new water quality structures

Landscape/Site Improvements:

- Outdoor amphitheater
- 429 new parking spaces

Additional Scope:

- Water storage collection system for irrigation
- Additional post construction stormwater control





- Re-use existing water line loop
- 1430' of new high pressure gas line
- 15 new catch basins
- 1300' of new sewer main piping
- No water quality structures (utilize bio-retention areas)

Landscape/Site Improvements:

- Delete outdoor amphitheater
- 376 new parking spaces and re-use 53 existing spaces

Achieved VE Savings from SD Targeted List:

- · Reduction in site hardscape, bollards, and pavement
- Reduction in planting
- Delete irrigation system and add sleeves
- Reduced cut/fill and grading
- No water storage collection system

As of July 24 2012 budget reconciliation meeting

Value Engineering - Roof:

Roofs/ Roof Structures/ Skylights: Everything has been made more straight forward, simpler and less expensive while maintaining high performance standards.

MSBA SCHEMATIC DESIGN SUBMISSION

MARCH DD BASELINE ESTIMATE

JULY DD ESTIMATE



- Skylights at stairs
- 2 roof penthouses (boiler and chiller)
- No roof screens

SD-VE Listed Targeted Savings:

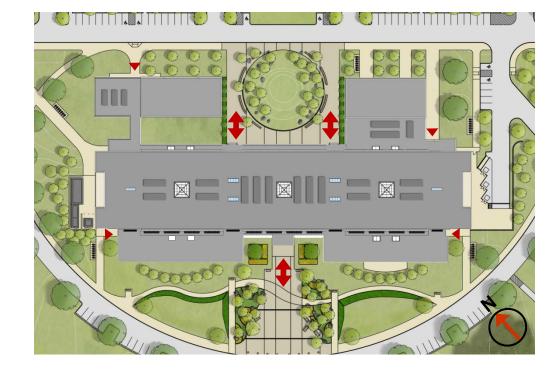
- Targeted roof savings (materials, details and delete curved
- Targeted savings to reduce design of 3 cupolas at light wells
- 1/3 reduction in continuous skylights at light shafts



- 8 skylights at stairs
- 2 roof top penthouses (boiler and chiller)
- Mechanical roof screens

Achieved VE Savings from SD Targeted List:

- TPO roofing and no curved roofs
- 3 skylights at light wells
- 1/3 reduction in continuous skylights at light shafts



- 6 skylights at stairs
- 1 roof penetration (boiler)
- No roof screens

Achieved VE Savings from SD Targeted List:

- PVC roofing and no curved roofs
- 3 skylights at light wells
- Eliminate continuous skylights and light shafts but retain daylighting to classrooms from corridor side via light wells (Energy model improved)
- Maintain 4 skylights at 1st floor (Music/PE)
- Maintain 4 skylights at 2nd floor (Admin/ Arts)

As of July 24 2012 budget reconciliation meeting.

Value Engineering - Exteriors:

- The building envelope will look and perform at the same high level as represented in the SD submission
- The building elevations have been refined and glass has been reduced
- Sun shading and controlling devices are included
- The amount of perimeter wall has been reduced



MSBA SCHEMATIC DESIGN SUBMISSION



MARCH DD BASELINE ESTIMATE



JULY DD ESTIMATE

- High performance building envelope
- Composite metal panels and utility size brick
- Curtainwall with heat mirror glass
- Continuous clerestories
- 2 rows of sunshades on 3rd & 4th floors

SD-VE Listed Targeted Savings:

- Eliminate vertical sunscreens on north façade, replace with shades
- Change clerestory curtainwall to window units
- Change brick on athletic building to ground face block
- Delete interior light shelves
- · Targeted exterior wall detailing and wall material savings
- High performance building envelope
- Composite metal panels and norman brick
- Curtainwall with heat mirror glass
- Increased continuous clerestories
- 4 rows of sunshades on 3rd & 4th floors
- Added trellis on south side of second floor to control sun due to daylight model
- Added vertical sunshades to north and south due to daylight model
- Added terrace classrooms at end of building
- Added light shelves due to daylight model

Achieved VE Savings from SD Targeted List in overall composition

- High performance building envelope
- Reduced composite metal panels and increased pressed metal panels and utility size brick
- Reduced amount of curtainwall w/ high performance glass (Solarban 60 or equal)
- Reduced amount of clerestories
- 1 row of sunshades on 3rd & 4th floors
- Deleted Vertical sunscreens, add shades
- Deleted the added trellis
- Deleted R19 batt at stud cavity (no change to envelope performance)
- · Deleted parapet on high roof
- · Shorten ends of buildings and eliminate 2 exterior terrace classrooms (not in program)
- Retained interior light shelves at south only

As of July 24 2012 budget reconciliation meeting.

Value Engineering - Interiors:

We have maintained good quality levels of finishes. We would like to be able to add finishes back as drawings progress into CD and the CMr budget is further refined.

MSBA SCHEMATIC DESIGN SUBMISSION

Flooring:

• Porcelain tile: 12,000 s.f. (SD-VE listed target savings)

• Epoxy @ \$9 s.f: 10,500 s.f.

• Rubber flooring: 8800 s.f.

• Carpet tile: 27,300 s.f. (SD-VE listed target savings)

• Linoleum: 123,900 s.f. (SD-VE listed target savings)

• Sealed Concrete: 4000 s.f.

Walls:

• Phenolic Panel: 33,400 s.f. (SD-VE listed target savings)

• Ceramic tile for corridors: 13,800 s.f. (SD-VE listed target savings)

• Ceramic tile for toilet rooms: 17,500 s.f.

• Interior brick: 24,326 s.f. (SD-VE listed target savings)

• Interior ground face block: 3060 s.f.

Interior glazing:
 13,200 s.f. (SD-VE listed target savings)

• 1 Hour Fire Glass: 0

• Acoustical paneling: 7350 s.f.

Ceilings

ACT ceilings 160,100 s.f.GWB ceilings 51,000 s.f.

GWB assumed in Gym

Specialties:

- HDPE toilet partitions
- No electric hand dryers
- Metal Lockers
- Marker boards 4 per classroom
- 8 new Fume hoods
- Kitchen Equipment Budget all new
- Wood veneer casework

MARCH DD BASELINE ESTIMATE

Flooring:

Porcelain tile: 20,432 s.f.
Safety floor @12 s.f. 7520 s.f.
Rubber flooring: 7800 s.f.
Carpet tile: 41,400 s.f.
Linoleum: 106,800 s.f.

1600 s.f.

Sealed concrete:

Walls:

 Reduced phenolic panel: 24.600 s.f. Ceramic tile for corridors: 8370 s.f. Ceramic tile for toilet rooms: 15,050 s.f. 2,300s.f. Interior brick: • Interior ground face block: 3000 s.f. 24,100 s.f. Interior glazing • 1 Hour Fire Glass: 2130 s.f. Acoustical paneling: 5800 s.f.

Ceilings

ACT ceilings 166,800 s.f.
GWB ceilings 36,960s.f.
Metal Ceiling in Gym 10,000 s.f.

Specialties:

- Stainless Steel toilet partitions
- Electric hand dryers in all toilet rooms
- HDPE Lockers
- Marker boards 4 per classroom
- 13 new Fume Hoods
- Kitchen Equipment budget expanded
- Wood veneer casework

JULY DD ESTIMATE

Achieved VE Savings from SD Targeted List in overall composition

Flooring:

- Deleted porcelain tile and use linoleum (café and Lobby)
- Use epoxy @ \$9 s.f.
- Deleted rubber flooring and use epoxy
- Use carpet tile @ \$4.30 s.f. in classrooms in lieu of linoleum
- Linoleum in Corridors, Labs, Art, Band @ \$7.50 s.f (better than VCT)
- Use sealed concrete in all back of house spaces

Walls:

- Deleted phenolic panel use abuse resistant board
- Ceramic tile for corridors in minimal locations
- Ceramic tile for toilet rooms on plumbing walls only
- Reduced interior brick
- Deleted interior ground face block
- · Reduced Interior glazing
- Reduced 1 Hour Fire Glass to 1400 s.f.
- Reduced acoustical paneling

Ceilings

- Use more 2x4 ACT ceilings in place of 2x2 ACT
- Tectum in place of metal in Gym Ceiling

Specialties:

- HDPE toilet partitions
- Reduced electric hand dryers to 1 per each gang toilet room
- Metal Lockers
- Marker boards 2 per classroom
- 8 new fume hoods plus 1 existing hood
- Kitchen equipment budget reduced to retain some existing
- P.lam casework and reduced casework scope

As of July 24 2012 budget reconciliation meeting.

Systems- Value Engineering:

The systems have been designed from the beginning in conjunction with the District's Facilities Manager.

Although he would prefer the system in the March DD baseline estimate set, he is satisfied with the systems as designed in the July DD estimate.

As of July 24 2012 budget reconciliation meeting.

MSBA SCHEMATIC DESIGN SUBMISSION

Mechanical: (SD-VE listed target savings)

- Roof top penthouses for mechanical units
- VAV with reheat coils in classroom
- Aircuity detection systems
- · Indoor air handling units
- · All classrooms with displacement air
- · Arts , SPED, Fitness Media & Cafe supplied by displacement air
- Central Chiller System
- Operable windows interlocked with VAV controls
- Energy metering
- Ductless cooling units

Electrical/ Security/Technology: (SD-VE listed target savings)

- Full lighting protection system (SD-VE listed target savings)
- 18 card readers
- Communication conduit installed in EMT (SD-VE listed target savings)
- 55 security cameras
- Submetering for energy management
- 3" concrete duct banks
- · Dimming ballasts for daylight harvesting
- Automated lighting control system panelboard
- LED downlights and exterior fixtures (SD-VE listed target savings)
- 2 transformer switches (life safety and standby)
- Electrical room on east end of building (most cost effective at SD)
- 2 teacher data drops in each classroom

Plumbing/FP

- Bathrooms located without refinement
- 2 Domestic hot water heaters
- Concealed sprinkler heads

Superstructure: (SD-VE listed target savings)

- 2000 tons (high estimation)
- Emergency shelter with unknown cost implications

MARCH DD BASELINE ESTIMATE

I Mechanical:

- Roof top penthouse for boiler and chiller plan only
- VAV with reheat oils in classrooms
- Aircuity detection systems
- Ground mounted air handling units
- All classrooms with displacement air
- Arts, SPED, Fitness Media & Cafe supplied by displacement air
- Central Chiller System
- Operable windows interlocked with VAV controls
- Energy metering
- Ductless cooling units

Electrical / Technology:

- Full lighting protection system
- 82 card readers
- Communication conduit installed in EMT
- 89 security cameras
- Submetering for energy management
- 3" concrete duct banks
- Dimming ballasts for daylight harvesting, task tuning & loads

Electrical room on east end of building (revised utility route)

- Addressable lighting control system
- LED downlights, track lights and exterior fixtures
- 3 transformer switches (life safety, standby)
- 2 teacher data drops in each classroom

Plumbing/FP

- Bathrooms located without refinement
- Domestic hot water heaters with instantaneous units
- Concealed sprinkler heads

Superstructure

- 1900 tons
- Code Compliant Emergency Shelter with seismic category 4

JULY DD ESTIMATE

Mechanical: Achieved VE Savings from SD Targeted List

- Roof top penthouse for boiler plant only
- Reheat deleted from classrooms
- DDC/ATC detection system
- Roof top mounted air handling units
- All classrooms with displacement air
- Arts , SPED, Fitness, Media & Cafe supplied by overhead distribution
- DX system
- Deleted VAV controls for operable windows
- No energy metering
- Reduced ductless cooling units

Electrical / Technology : <u>Achieved VE Savings from SD Targeted List</u>

- Full lighting preventer system
- 9 card readers
- Communication boxes only with ring and strings
- 50 security cameras
- Deleted submetering
- 3" concrete duct banks
- Reduced 50% of dimming ballasts
- Reduced addressable lighting control system
- LED exterior lights/ Reduced interior LED lights
- Reduced to 2 transformer switches for "shelter in place" option
- Electrical room moved to west side of building to be more cost effective
- 1 teacher data drop in each classroom
- Stacked electrical and IDF rooms
- Reduced security motion detectors

Plumbing/FP:

- Back to back and stacked plumbing walls
- 2 domestic hot water heaters
- Semi recessed sprinkler heads

Superstructure: Achieved VE Savings from SD Targeted List but unit pricing increased

- 1810 tons
- Emergency Shelter changed to "Shelter in Place" w/ seismic category 3

Systems- MA CHPS points remain constant & our building energy model reflects efficiency gains since SD.

As of July 24 2012 budget reconciliation meeting.

MSBA SCHEMATIC DESIGN SUBMISSION	MARCH DD BASELINE ESTIMATE	JULY DD ESTIMATE
• 6 Targeted Points in Integration & Innovation	Targeted Points in Integration & Innovation	6-8 Targeted Points in Integration & Innovation
• 13 Targeted Points in Indoor Environmental Quality	• 13 Targeted Points in Indoor Environmental Quality	Targeted Points in Indoor Environmental Quality
• 13 Targeted Points in Energy	• 15 Targeted Points in Energy	• 17 Targeted Points in Energy
• 7 Targeted Points in Water	• 7 Targeted Points in Water	• 7 Targeted Points in Water
• 10 Targeted Points in Site	• 10 Targeted Points in Site	• 9 Targeted Points in Site
• 5 Targeted Points in Materials & Waste Management	Targeted Points in Materials & Waste Management	Targeted Points in Materials & Waste Management
• 7 Targeted Points in Operations and Maintenance	• 7 Targeted Points in Operations and Maintenance	Targeted Points in Operations and Maintenance
Total Points Targeted: 61	Total Points Targeted: 66	Total Points Targeted: 58-62

MSBA Review

Concord-Carlisle Regional High School Space Summary Comparison- SD to Current DD

Description	Existing Conditions	SD Space Summary* 1225 Enrollment	Current DD Set 1225 Enrollment	MSBA 2010 Guidelines 1225 Enrollment	Delta SF: SD to Current DD	Delta Comments if not w/in +/- 5% (SD to Current DD)
CORE ACADEMIC SPACES	58,346	64,483	65,405	58,690	922	SPED. One LC was added per DESE
SPED	7,145	5,630	5,665	13,090	35	Core Acad program until further
ART & MUSIC (Visual and Performing Arts)	11,734	12,781	12,710	8,200	(71)	discussion with MSBA.
VOCATIONS & TECHNOLOGY	8,035	8,390	8,273	12,800	(117)	
HEALTH AND PHYSICAL EDUCATION	31,075	21,696	21,064	23,060	(632	
MEDIA-LIBRARY (Learning Commons)	13,480	8,929	8,936	7,556	7	
AUDITORIUM / DRAMA	9,667	10,142	9,956	10,400	(186)	
DINING & FOOD SERVICE	13,068	10,063	10,170	10,262	107	
MEDICAL / NURSE	690	1,153	1,197	1,110	44	
ADM. & GUIDANCE (Student Support)	8,462	6,008	5,830	4,979	(178)	
CUSTODIAL & MAINTENANCE	2,779	2,785	2,746	2,544	(39)	
SUB-TOTAL Net Area	164,481	152,060	151,952	152,692	(108)	
				132,092		
OTHER	3,824	3,633	3,529	U	(104)	
ATHLETIC BUILDING	2,910	10,250	8,195	0	(2,055)	Team Rooms deleted to accommodate Assembly toilet facilities & const. cost overage
Net Area (Base Building)	168,305	155,693	155,481	152,692	(212)	
Net: Gross Ratio (Net Area / Gross Area) Gross Area (Base Building)	1.37 229,813	1.45 225,826	1.45 225,826	1.452 221,725	0	
Net Area (Athletia Buildian)	0.040				(0.055	One ob ave
Net Area (Athletic Building) Net: Gross Ratio (Net Area / Gross Area)	2,910 1.37	10,250 1.22	8,195 1.30		(2,055)	See above Added Toilet facilities to gross
Gross Area (Athletic Building)	3,987	12,500	10,669	0	(1,831)	
GRAND TOTAL (GFA)	233,800	238,326	236,495	221,725	(1,831)	See above
	233,800	238,326	236,495	2213120	(1,001)	200 45070

- "Other" includes:
- Radio Station
- Cable TV Station
- Adult Education
- School Store
- Year Book Room
- "Other" includes:
 - Radio Station
 - Cable TV Station
 - Adult Education
 - * This shows SF revisions by DESE of Jan 2012, except shared Learning Centers are shown in Core Academic space program, yet are highlighted in DESE dwgs as SPED.

"Other" includes:

- Radio Station
- Cable TV Station
- Adult Education

This shows SF revisions by DESE of Jan 2012, except shared Learning Centers are shown in Core Academic space program, yet are highlighted in DESE dwgs as SPED.

Legend:

clarification comments
reasons if not w/in +/- 5%

Concord-Carlisle Regional High School	Ex	isting Conditi	ons
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals

	Schematic	Design: Au	ugust 2011/	Revised by	approved	DESE Janι	ıary 2012*			
Existing	to Remain/Re	novated		New		Total				
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals		

		Curre	nt Revised	Design De	velopment (DD)*								
Existing	Existing to Remain/Renovated New				Total			Clarification comments and/or	(re	fer to MSBA		10 Guidelines gram & Space Standard Guidelines)		
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	% over/ under SD	Changes if not +/-5% from SD to Current DD	ROOM NFA ¹	# OF RMS	area totals	Comments

NEW BUILDING

CORE ACADEMIC SPACES			58,346	0			64,483		64,483
(List classrooms of different sizes separately)									
Olasson Ossand		44	00.774			44	04.744	44	04744
Classroom - General English (15 FTE)		41 10	32,771 7,616			41 10	34,711 8,176	41 10	34,711 8,176
Ex CR - English	800	10	800		845	2	1,690	10	0,170
Ex CR - English	790	1	790		823	7	5,761		
Ex CR - English	800	1	800		023	1	3,761		
Ex CR - English	795	1	795						
Ex CR - English (shared w/Social Sci.)	795	1	795						
Ex CR - English (shared w/social Sci.)	820	1	820						
Ex CR - English	656	1	656						
Ex CR - English (small)	310	1	310						
Ex CR - English (shared w/F. Language)	1,010	1	1,010						
EX CK - English (shareu wh : Language)	1,010		1,010						
English (separate Resource Ctr; Writing Lab)									
English/Social Sciences (SSERC existing) Resource	0.40	4	0.40		705		705		
Ctr. (Learning Center)	840	1	840		725	1	725		
Social Science (14 FTE)		9	6,750			10	8,131	10	8,131
Ex CR-Social Science	795	1	795		822	10	822	10	0,131
Ex CR-Social Science	795	1	795		823	8	6,584		
Ex CR-Social Science	800	1	800		023	0	0,304		
Ex CR-Social Science	800	1	800						
Ex CR-Social Science	795	1	795						
Ex CR-Social Science	785	1	785						
Ex CR-Social Science	780	1	780						
Ex CR-Social Science	600	1	600						
Ex CR-Social Science	600	1	600						
EX ON GOODLI GOODLIGG			000						
SS Resource Ctr. (Learning Center)					725	1	725		
Math (16 FTE)		10	8,355			10	8,153	10	8,153
Ex CR-Math	810	1	810		842	1	842		
Ex CR-Math	800	1	800		823	6	4,938		
Ex CR-Math	795	1	795		824	2	1,648		
Ex CR-Math	815	1	815						
Ex CR-Math	1,080	1	1,080						
Ex CR-Math	815	1	815						
Ex CR-Math	815	1	815						
Ex CR-Math	815	1	815						
Ex CR-Math	810	1	810						
Fix Moth (MADC) Decourse Ctr. (Learning Control	000				705		70-		
Ex. Math (MARC) Resource Ctr. (Learning Center)	800	1	800		725	1	725		

						40/	*NOTE DEGE				
0			65,405		65,405	1% -	*NOTE: DESE agreed that Learning Centers (LC) were			58,690	
						-	shared by Core Acad &				
							SPED. One LC was added				
		41	34,808	41	34,808	- 0%	per DESE at SS. But we left the spaces in Core Acad	850	41	24.950	825 SF min - 950 SF n
		10	8,184		8,184	0%	program until further	830	41	34,650	625 SF Min - 950 SF N
	823	10	823		0,104	-	discussion with MSBA.				
	844	1	844			_					
	827	1	827			_					
	827	1	827			_					
	827	1	827			_					
	827	1	827			_					
	827	1	827			_					
	844	1	844			_					
	823	1	823			_					
	020	'	023			_					
						_					
	745		7.5								
	715	1	715			-					
		10	8,159	10	8,159	- 0%					
	827	10	827		6,159	-					
	827	1	827			_					
	827	1	827			_					
	827	1	827			-					
	827	1	827			_					
	827	1	827			_					
	827	1	827			_					
	827	1	827			_					
	827	1	827			_					
	021	1	021			_					
							DESE added LC and agreed				
	716	1	716			-	shared w/ sped				
						-					
		10	8,160	10	8,160	0%					
	827	1	827			-					
	827	1	827			-					
	827	1	827			-					
	827	1	827			-					
	827	1	827			-					
	827	1	827			-					
	827	1	827			-					
	827	1	827			-					
	827	1	827			-					
						-					
	717	1	717		1	_				1	Ī

					Schemati	c Design: A	ugust 2011/	Revised b	y approved	DESE Janu	uary 2012*	
Concord-Carlisle Regional High School	E	xisting Condit	ions	Existin	g to Remain/Re	enovated		New			Total	
<u>ROOM TYPE</u>	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals
Foreign Language (13 FTE)		10	8,700					10	9,396		10	9,396
Ex CR-Foreign Language	750	1	750				842	1	842			
Ex CR-Foreign Language	750	1	750				823	8	6,584			
Ex CR-Foreign Language	750	1	750						0			
Ex CR-Foreign Language	750	1	750									
Ex CR-Foreign Language	750	1	750									
Ex CR-Foreign Language	750	1	750									
Ex CR-Foreign Language	750	1	750									
Ex CR-Foreign Language	750	1	750									
Ex CR-Foreign Language	750	1	750									
Ex Foreign Language Lab	1,950	1	1,950				1,970	1	1,970			
Health		2	1,350					1	855		1	855
Health Classroom (1 Ex. TS)	750	1	750				855	1	855			
Health Classroom (1 Ex. TS- portable)	600	1	600				0	(
Teacher Planning (was Misc. Support. Spaces)		6	8,430					5	7,471		5	7,471
Ex. English (separate) (Teacher Planning Room A)	2,270	1	2,270				1,504	1	1,504			
Ex. English/Social Sciences (shared) (Teacher	2,210		2,210				1,004		1,004			
Planning room)	910	1	910									
English (Teacher Planning Room B)												
English (Teacher Planning Room C)												
Ex. Social Sciences (separate) (Teacher Planning Room A)	1,290	1	1,290				1,406	1	1,406			
Social Science (Teacher Planning Room B)	1,290	I I	1,290				1,406	<u> </u>	1,400			
Social Science (Teacher Planning Room C)												
Coolar Colorida (Todarioi Tilarining Todari C)												
Ex. Math (Teacher Planning Room A)	1,270	1	1,270				1,602	1	1,602			
Math (Teacher Planning Room B) Math (Teacher Planning Room C)												
Ex. Foreign Language (separate) (Teacher Planning												
Room A)	1,595	1	1,595				1,405	1	1,405			
Foreign Language (Teacher Planning Rm B)												
Foreign Language (Teacher Planning Rm C)												
Ex. Science (separate) (Teacher Planning Room A)	1,095	1	1,095				1,554	1	1,554			
Science (Teacher Planning Room B)												
Science (Teacher Planning Room C)												
Group Seminar / Presentation (small: 20-30)		1	1,690					3	2,669		3	2,669
Small Foreign Language w/ kitchenette												
Small Foreign Language w/ kitchenette												
Small Group - standard							400					
Small Group - standard							499	1	499			
Small Group - standard							498	1	498			
Large Group Seminar / Presentation (60-80)	1,690	1	1,690				1,672	1	1,672			

		Curre	nt Revised L	besign bev	/elopment (י(טט״								
Existing	to Remain/Re	novated		New			Total			Clarification comments and/or		efer to MSBA I		10 Guidelines gram & Space Standard Guidelines)
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	% over/ under SD	Changes if not +/-5% from SD to Current DD	ROOM NFA ¹	# OF RMS	area totals	Comments
				40	0.440		40	0.440	-					
			007	10	9,448		10	9,448	1%					
			827 827	1 1	827 827				_					
			827	1	827				_					
			827	1	827				_					
			844	 1	844				_					
			823	1	823				-					
			844	1	844				-					
			827	1	827				-					
			827	1	827				-					
									-					
			1,975	1	1,975				-					
									-					
				1	857		1	857	0%					
			857	1	857				-					
									-					
				4-	7.500		4.5	7.500	-		400		1.100	
				15	7,506		15	7,506	0%	in SD, each TP center incl 1	100	41	4,100	
			921	1	921				_	small office in total SF				
+			921	<u>'</u>	921				_	shown here. DD shows it				
									-	separated.				
			497	1	497				-					
			57	1	57				-					
			959	1	959				_					
			428	<u>·</u> 1	428				_					
			88	1	88				-					
			982	1	982				-					
			470	1	470				-					
			89	1	89				-					
-														
			921	1	921				-					
			497	1	497				-					
			57	1	57				-					
				-										
			20.4	4	20:									
			984	1	984				- -					
			498 58	1 1	498 58									
+			30	1	30				_					
				3	2,713		3	2,713	2%		500	3	1,500	
									-				,	
									-					
									-					
			517	1	517				-					
			517	1	517				-					
			1		1		1	1	-				1	

Concord-Carlisle Regional High School	Ex	xisting Condit	ions
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals
Science Classroom / Lab (16 FTE)		13	13,075
Biology		4	3,785
ExCR Biology Classroom	890	1	890
ExCR Biology Classroom/Lab	880	1	880
ExCR Biology Classroom/Lab	1,040	1	1,040
ExCR Biology Classroom/Lab	975	1	975
Chemistry		4	4,360
ExCR Chemistry Classroom	780	1	780
ExCR Chemistry Classroom	780	1	780
ExCR Chemistry Classroom/Lab	1,480	1	1,480
ExCR Chemistry Classroom/Lab	1,320	1	1,320
Division			
Physics (L. L. L		2	2,370
ExCR Physics Classroom/Lab	1,190	1	1,190
ExCR Physics Classroom/Lab	1,180	1	1,180
Earth Science		2	1,690
ExCR Earth Science Classroom	850	1	850
ExCR Earth Science Classroom	840	1	840
Science Learning Centers		1	870
Science Resource Ctr (former writing lab) (Learning			0
Center)	870	1	870
Science Resource Ctr (Learning Center)			
Prep Room		11	2,380
Biology Prep Room	320	1	320
Biology Prep Room	520	1	520
Chemistry Prep Room	260	1	260
Chemistry Prep Room			
Chemistry Storage	80	1	80
Chemistry Storage	100	1	100
Physics Prep Room	430	1	430
Physics Prep Room			
Earth Science Prep Room	190	1	190
Earth Science Prep Room	160	1	160
Earth Science Storage	80	1	80
Earth Science Storage	80	1	80
Chemical Storage Prep Room			
Chemical Storage Prep Room			
Foreign Language Recording&Storage	160	1	160
Foreign Language Lab Storage			
Central Chemical Storage Rm			
Central Chemical Storage Rm Central Chemical Storage Rm			
Central Chemical Storage Pm			

		1						
Existing	to Remain/Re	enovated		New			Total	
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area total
				1.1	17 107		14	17
				14	17,197		14	17,
			4 400	4	5,844		4	5,
			1,463	2	2,926			
			1,459	2	2,918			
			"	4	5,840		4	5,
			1,459	2	2,918			
			1,461	2	2,922			
				2	2,332		2	2.
			1,166	2	2,332			
			1,100		_,002			
				0	0.240		0	-
			4.455	2	2,316		2	2,
			1,155	1	1,155			
			1,161	I	1,161			
				2	865		2	
			390	1	390			
			475	1	475			
				8	2,218		8	2
			305	2	610			
			306	2	612			
			200	2	400			
			394	1	394			
			202	1	202			
			202	ı	202			
				4	047		4	
			0.4=	1	217		1	
			217	1	217			

Current Revised Design Development (DD)*														
Existing	to Remain/Re	novated		New			Total			Clarification comments and/or	(r	efer to MSBA E		10 Guidelines gram & Space Standard Guidelines)
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	% over/ under SD	Changes if not +/-5% from SD to Current DD	ROOM NFA ¹	# OF RMS	area totals	Comments
				14	17,881		1.1	47.004	- 4%		1 110	44	45.040	3 x85% ut=20 Seats-1 per /day/student
				4	6,056		14	17,881 6,056	4		1,440	11	15,840	3 x03 /6 ut=20 Seats-1 per /uay/student
			1,514	<u>·</u> 1	1,514			0,000	-					
			1,514	1					-					
			1,514	1	1,514				-					
			1,514	1	1,514				-					
				4	6,056		4	6,056	- 4%					
			1,514	1	1,514			2,222	-					
			1,514	1					-					
			1,514	1	,-				-					
			1,514	1	1,514				-					
				2	2,436		2	2,436	- 4%					
			1,218	1	1,218			2,400	-					
			1,218	1					-					
									-					
				2	2,435		2	2,435	5%					
			1,217	1	1,217				-					
			1,218	1	1,218				-					
				2	898		2	898	- 4%					
							_		.,.					
			401	1	401				-					
			497	1	497				- I					
				9	2,326		9	2,326	- 5%		200	11	2,200	
			317	1	317		9	2,320	-		200	11	2,200	
			317	1	317				-					
			317	1	317] -					
			317	1	317				-					
									-					
			202	1	202									
			202		202				-					
			202		202				-					
			202		202] -					
									-					
									-					
			250	1	250				_					
			250	l l	250				_	Chem Sto Prep and Central				
									-	chem sto combined to equal				
									-	SD. Some central chem sto				
									-	shared with prep room.				
				1	171		1	171			200	1	200	
			171	1	171				-					

Central Chemical Storage Rm

Concord-Carlisle Regional High School	E	Existing Conditions					
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals				
SPECIAL EDUCATION		21	7,145				
(List classrooms of different sizes separately)							
Self-Contained SPED	765	1	765				
"Alt Pro" (Alternative Program)	850	1	850				
"Alt Pro" Support (SPED)							
"Lighthouse" (Post-Hospitalization)							
Self-Contained SPED Toilet (OT/PT)							
OT / PT Therapy and SPED Classroom	780	1	780				
"Pathways" SPED	615	1	615				
"Pathways" Observation Room							
Self-Contained SPED Toilet (Pathways)							
Resource Center SPED	580	1	580				
Small Group Room							
Resource Rooms / Seminar Rooms	104	9	935				
SPED Offices							
SPED Offices							
SPED Offices							
SPED Offices							
SPED Psychologist Offices							
SPED Psychologist Offices							
Small Group / Conference Room	230	1	230				
Small Group / Conference Room							
SPED Support							
SPED Secretary/ Waiting	260	1	260				
SPED Waiting	175	1	175				
SPED Workroom	155	1	155				
SPED Kitchenette	45	1	45				
"Compass" (ex. program)	940	1	940				
ELL / SPED (shared classroom)	815	1	815				

Existing	g to Remain/Re	enovated		New			Total	
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals
		0		16	5,630		16	5,630
			825	1	825			
			505	4	505			
			525	1	525			
			530	1	85 530			
			1,400	1 1	1,400			
			825	1	825			
			105	1	105			
			105	1	105			
			105	1	105			
			105	1	105			
			105	1	105			
			105	1	105			
			210 210	1	210 210			
			210	1	210			
			275	1	275			
			115	1	115			

		Curre	nt Revised	Design Dev	/elopment (DD)*								
Existing	to Remain/Re	novated		New			Total			Clarification comments and/or	(r	efer to MSBA I		10 Guidelines gram & Space Standard Guidelines)
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	% over/ under SD	Changes if not +/-5% from SD to Current DD	ROOM NFA ¹	# OF RMS	area totals	Comments
		_							-					
		0		16	5,665		16	5,665	1%				13,090	
									_					
									_					
									-		950	9	8,550	assumed 8% of pop. in self-contained SPED
			827	1	827				-					
] -					
			539	1	539				-					
			80	1	80				-	efficient toilet layout	60	9	540	
			540	1	540				-					
			1,410	1	1,410				-					
									-					
			823	1	823				_		500	4	2 000	1/2 size Genl. Clrm.
			020	•	023				-		500	4		1/2 size Genl. Clrm.
									l -				_,;;;;	
			105	1	105				1 -					
			105	1	105				-					
			105	1	105				-					
			105	1	105				-					
			105	1	105				-					
			105	1	105				-					
			210	1	210				-			-		
			211	1	211				[
			275	1	275				-					
			210		210				-					
									1 -					
			120	1	120] -					
									-					
									-					
									-					
									j -					

					Schematic	Design: Au	ıgust 2011/	Revised by	/ approved I	DESE Janu	ıary 2012*	
Concord-Carlisle Regional High School	Ex	cisting Condit	ions	Existing	g to Remain/Re	novated		New			Total	
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals
ART & MUSIC			11,734			0			12,781			12,781
Art Classroom - 25 seats		3	3,515			· ·		3	3,312		3	3,312
Art Workroom w/ Storage & kiln		5	565					3	510		3	510
, at the most in clorage a min			000						0.0			0.0
2D Art CR (1-TS)	1,465	1	1,465				1,235	1	1,235			
2D Art Storage	120	1	120				137	0	0			
Ceramics (1-TS)	1,290	1	1,290				1,236	1	1,236			
Ceramics Storage/ Glazing	100	1	100				253	0	0			
Ceramics Storage	90	1	90									
Kiln Room (none existing)							155	1	155			
Photography CR (1-TS)	760	1	760				841	1	841			
Dark Room	210	1	210				305	1	305			
Film Area/Photography Storage	45	1	45				50	1	50			
Art Teacher's Center (5 FTE)	330	1	330				513	1	513		1	513
Art Gallery		1	720					1	519		1	519
Student Gallery	720	1	720				519	1	519		ı	319
Ottucht Gallery	120	'	720				313		313			
Art Storage - General	150	1	150				300	0	0		0	0
7 it Olorage Conoral	100		100				000	0	Ŭ		•	Ü
Performance and Music		3	4,110					4	5,536		4	5,536
Band - 50-100 seats	1,600	1	1,600				2,005	1	2,005			.,
Chorus - 50-100 seats	1,420	1	1,420				1,391	1	1,391			
Ensemble (Chamber Orchestra)	1,090	1	1,090				505	1	505			
Drama Classroom							1,635	1	1,635			
Music Practice		3	215					5	442		5	442
Practice	70	1	70				72	2	144		ວ	442
Practice	70	1	70				74	2	148			
Practice	75	1	75				150	1	150			
Practice	70		70				100		100			
Large Practice												
Music Support		4	769					1	406		1	406
Perf. Arts Teacher's Center							406	1	406			
Perf. Arts Teacher's Center												
Orch. Office	240	1	240									
Band Office	169	1	169									
Chorus Office	200	1	200									
Theater Office	160	1	160									
Music Storage		3	305					4	485		4	485
Band Storage	120	1	120				232	1	232		•	.00
Music Storage							185	1	185			
Music Storage							21	1	21			
Music Storage							47	1	47			
Music Library (Sheet Music)	75	1	75									
Drama Costume Storage	110	1	110									
Floatrania Munic Lab (AMDN)		4	1.055					-	4.050		-	1.050
Electronic Music Lab (MIDI) Digital Music Classroom	600	1	1,055 600				626	5	1,058 626		5	1,058
Electronic Music Lab Control Room	600 225	1	225				626 215	1	215			
Recording Booth	100	1	100				95	1	95			
Recording Booth	130	1	130				61	2	122			
Recording Booth	100	'	1.30						122			
1.0001aing Dootii		1	1 I					l	1 I			1

		Curre	nt Revised	Design Dev	velopment (DD)*								
Existin	g to Remain/Re	novated		New			Total			Clarification comments and/or	(re	efer to MSBA E		10 Guidelines gram & Space Standard Guidelines)
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	% over/ under SD	Changes if not +/-5% from SD to Current DD	ROOM NFA ¹	# OF RMS	area totals	Comments
		0			12,710			12,710	- -1%				8,200	
				3	3,258		3	3,258	-2%		1,200	3		Assumed use - 25% Population - 5 times/week
				3	507		3	507	-1%		150	3	450	
									-					
			1,183	1	1,183				-					
			153 1,210	0	0 1,210				-					in gross
			214	0	0				_					in gross
									-					
			155	1	155				-					
			865	1	865				-					
			302	1	302				-					
			50	1	50				-					
			504	1	504		1	504	-2%					
									-					
				1	502		1	502	-3%					some in net, some gross
			502	1	502				-					
			4.44	0	0		0	0	-					in avec
			141	0	0		0	0	1 -					in gross
				4	5,574		4	5,574	1%					
			2,092	1	2,092				-		1,500	1	1,500	Assumed use - 25% Population - 5 times/week
			1,401	1	1,401				-		1,500	1	1,500	
			515	1	515				-		200	1	200	
			1,566	1	1,566				<u> </u>					
				5	442		5	442	0%		75	6	450	
			74	1	74				-					
			74	1	74				-					
			72	1	72				_					
			72	1	72				-					
-			150	1	150				-					
				1	406		1	406	0%					
			406	1	406				1 -					
<u> </u>									-					
									· -					
									1 -					
									-					
				2	473		2	473	-2%		500	1	500	
			0.4=						-					
			347 126	1	347 126				- -					
			120	1	120				· .					
									1 -					
] -					
									-	Midi Leb manufacture				
			600	5	1,044		5	1,044	-1%	Midi Lab recording booths are sized as pre-				
			629 191	1	629 191				-	manufactured modular booth				
			112	1	112				-	components (VE). The control room and booths				
			56	1	56				-	together are equal to SD.				
			56	1	56				-					

Concord-Carlisle	Ex	xisting Condit	ions
Regional High School			
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals
/OCATIONS & TECHNOLOGY			8,035
Tech Clrm (E.G. Drafting, Business)			4,475
Mac Lab Video (currently in Art)	1,175	1	1,175
Architecture/Sculpture (1-TS)	1,500	1	1,500
Architecture/Sculpture Storage	150	1	150
IT Instruction (3 staff + 4 students)			
IT Instruction/ Genius Bar			
IT Office / Instruction Workroom	190	1	190
IT Office / Instruction (In ex. Mac Lab)	100	1	100
Digital Imaging (1-TS) [ex PC Lab]	1,360	1	1,360
Digital Imaging (1-TS) [ex PC Lab]			
Digital Imaging Printing Storage			
Tech Shop - (E.G. Consumer, Wood)			3,560
Woodworking / Maint., / Set Const.	1,780	1	1,780
Woodworking /- Spray Booth	1,780	1	1,780
Woodworking /- Spray Booth Woodworking Storage	140	1	140
Fabrication Lab (Arts)	140	'	140
Fabrication Lab Spray Booth			
Fabrication Lab (Engineering/Science)			
Fabrication Lab Prep			
Fabrication Lab Supply Storage			
Engineering/Robotics	1,500	1	1,500
Engineering/Robotics Supply Storage	, , , , , , , , , , , , , , , , , , , ,		,,,,,
Engineering/Robotics Crate Storage			
IEALTH & PHYSICAL EDUCATION			31,075
[6 ex. teaching stations (TS) incl. 2- Health in core a	icad]	3	21,415
Gymnasium (1 Ex. TS - Performance)	9,775	1	9,775
PE Alternatives (MSBA) (1 Ex. TS)	2,100	1	2,100
PE Alternative (ex. Lower Gym)	9,540	1	9,540
Gym Storeroom (MSBA)		3	510
Ex. Upper Gym Storage	130	1	260
Ex. Upper Gym Storage	120	1	120
Ex. Weight Room Storage	65	1	130
Locker Rooms - Boys/Girls w/Toilets/ Showers	1	2	8,305
Girls	4,405	1	4,405
Boys	3,900	1	3,900
,-	0,000	'	3,300
Phys. Ed. Storage (MSBA)		3	500
Phys. Ed. Storage	260	1	260
Phys. Ed. Storage	170	1	170
Phys. Ed. Storage	70	1	70
Athletic Director's Office		1	145
Ex. Athletic Director's Office	120	1	120
Ex. Athletic Director's Office Storage	25	1	25
Health Instructor Office w/Shower & Toilet		1	200
Teacher's Center (5-FTE)			
Girls P.E. Office Locker Room	200	1	200

Existing	Existing to Remain/Renovated			New		Total				
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area total		
					2.000			0.00		
		0			8,390			8,3 9		
					3,201			3,201		
			1,168	1	1,168					
			150	1	1,100					
			130	!	130					
			689	1	689					
			003	'	003					
			1,194	1	1,194					
					F 105					
		<u> </u>			5,189			5,189		
			2,031	1	2,031					
			1,904	1	1,904					
			1,254	1	1,254					
		0			21,696			21,69		
	0	0		2	14,528		2	14,528		
			11,892	1	11,892					
			2,636	1	2,636					
			0	0	0					
	0	0	270	1	270		1	270		
	_				_					
	0	0	0.0==	2	5,741		2	5,741		
			2,852	1	2,852					
			2,889	1	2,889					
		_	F00							
	0	0	500	1	500		1	500		
	0			4	4.57		4	457		
	0	0	457	1	157		1	157		
		+	157	ı	157					
		+			 			-		
	I .	1			1		1	ĺ		
	0	0		1	500		1	500		

		Curre	nt Revised	Design Dev	/elopment (l	DD)*			1					
Existinç	g to Remain/Re	novated		New			Total			Clarification comments and/or	(re	efer to MSBA I		10 Guidelines gram & Space Standard Guidelines)
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	% over/ under SD	Changes if not +/-5% from SD to Current DD	ROOM NFA ¹	# OF RMS	area totals	Comments
					2.072			0.070	-				40.000	
		0			8,273 3,217			8,273 3,217	-1% 0%		1,200	4	12,800	Assumed use - 50% Population - 5 times/week
					5,217			3,217			1,200	1	4,000	Assumed use - 30% i optilation - 3 times/week
			1,186	1	1,186				┪ -					
			151	1	151				1 -					
									-					
			488	1	488				-					
			230	1	230				-					
									-					
			1,162	1	1,162									
			1,102	!	1,102				- -					
									† -					
									-					
					5,056			5,056	-3%		2,000	4	8,000	Assumed use - 50% Population - 5 times/week
									-					
									-					
			2,015	4	2.045				-					
			2,015	1	2,015				1 [
			1,679	1	1,679									
			169	1	169				-					
									-					
			921	1	921				-					
			169	1	169				-					
			103	1	103				-					
	_	0			21,064			21,064	-3%				23,060	
	0	0	11,477	1	14,205 11,477		2	14,205	-2% -		12,000	1	12,000	
			2,728	1	2,728						3,000	1	3,000	
			0						-		0,000	'	0,000	
									-					
	0	0		1	273		1	273	1%		300	1	300	
			273	1	273									
									-					
		0		2	5,443		2	5,443	- -5%	Deleted G/B personal	6,860	1	6 060	5.6 sf/student total
	0	0	2,662	1	2,662			5,443	-5%	changing stalls from SD and	0,800	I	0,860	5.0 SI/Student total
			2,781	1	2,781				1 -	maximized the space around stairs. Accommodates				
			, , , , , , , , , , , , , , , , , , ,		,				-	lockers and changing space.				
	0	0		1	497		1	497	-1%		500	1	500	
			497	1	497									
									<u> </u>					
									- I					
	0	0		1	150		1	150	- -4%		150	1	150	
	0	U	150	1	150		1	100	-4 /0		100	1	130	
					1.00				1 -					
									<u> </u>					
	0	0		1	496		1	496	-1%		250	1	250	
			496	1	496				-					space for male and female req'd
									-					

					Schematic	c Design: A	ugust 2011	Revised by	y approved	DESE Janı	uary 2012*	
Concord-Carlisle Regional High School	E	kisting Condit	ions	Existing	g to Remain/Re	enovated		New			Total	
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals
MEDIA CENTER Media Center/Decision Decis			13,480			0			8,929			8,929
Media Center/Reading Room												
Commons/Media Center (4-staff / FTE)			40.400						0.000			0.000
(Ex. area less Mac Lab)	F 040	4	13,480						8,929			8,929
Lower Library (inc. Lower level ramps)	5,640	1	5,640									
Upper Library (stacks)	6,850	1	6,850									
Library Office	640	1	640									
Project Room / Conference	350	1	350									
Faculty/Staff Workroom							398	1	398			
Faculty/Staff Break room								-				
Circulation Desk							400	1	400			
Silent Area/study carrels							843	1	843			
Group workstations							3,560	1	3,560			
Stacks area (11,800 vols)							2,009	1	2,009			
Storage							133	1	133			
Conference/Project Rooms												
Large Project Room							400	1	400			
Medium Project room							248	1	248			
Small (independent Study)							103	1	103			
Small (independent Study)							104	1	104			
Small (independent Study) Student Work Area- Resource							101	1	101			
Student Presentation area (Multi-purpose)							630	1	630			
AUDITORIUM / DRAMA			9,667			0			10,142			10,142
Auditorium (ex. 604 seats)	6,090	1	6,090				5,983	1	5,983			
•	4 770		4 770				4.500		4.500			
Stage	1,770	1	1,770				1,586	1	1,586			
Wings 2 @ (15'x40')							500	1	500			
Wing Auditorium Storage	100	4	400				471	1	471			
<u> </u>	190	1	190				586	1	586			
Auditorium Storage	1						98	1	98			
Auditorium Storage	1			-			126	1	126			
Auditorium Storage												
Make-up / Dressing Rooms							296	2	592			
Make-up / Dressing Rooms								_	332			
Ex. outside portable units	504	3	1,512									
	301		1,012									
Controls / Lighting / Projection	105	1	105				200	1	200			
Side Lighting												

		Curre	nt Revised	Design De	velopment (DD)*								
Existin	g to Remain/Re	enovated		New			Total			Clarification comments and/or	(re	efer to MSBA		10 Guidelines gram & Space Standard Guidelines)
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	% over/ under SD	Changes if not +/-5% from SD to Current DD	ROOM NFA ¹	# OF RMS	area totals	Comments
									-					
		0			8,936			8,936	0%				7,556	
									-		7,556	1	7,556	
					0.000			0.000	-	Individual student work				
					8,936			8,936	0% -	spaces make up the media				
									- -	center in its entirety. Some				
									_	spaces are a little larger,				
									_	some smaller but media center is on target.				
									_	contor to on targett				
			186	1	186				-	staff workroom reduced				
									1 -					
			400	1	400				-					
			844	1	844				-					
			3,121	1	3,121				-	group stations reduced.				
			2,014	1	2,014				_					
									-	storage function has been				
									-	worked into total.				
			741	1	741				-	Now holds 2 classes.				
			617	1	617				-	Now holds 1 class.				
			183	1	183				-	more flex for group sizes.				
			100	1	100				-					
			100	1	100				-					
			630	1	630				-					
									-					
		0			9,956			9,956	-2%				10,400	
			5,895	1	5,895				-		7,500	1	7,500	2/3 Enrollment @ 10 SF/Seat - 750 seats MAX
			4 50.		. == -				-		4.655			
			1,531	1	1,531				-		1,600	1	1,600	
			687 252	1	687 252									
	1		475	1	475				1 -		500	1	500	
			52	1	52				1 -		300	'	330	
			203	1	203				_					
			97	1	97				1 -					
									1 -					
			282	1	282				1 -		300	2	600	
			282	1	282				_					
									」 -					
			200	1	200				-		200	1	200	
•	Í.	1		I .	1		1	I .				1	İ.	

Concord-Carlisle Regional High School	E	xisting Condit	ions	
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals	RC NI
DINING & FOOD SERVICE			13,068	
Cafeteria / Student Lounge/ Break-out	8,880	1	8,880	
Chair / Table Storage	5,555	-	3,000	
Chair / Table Storage				
Scramble Serving Area			†	
Kitchen	2,245	1	2,245	
Dishwashing	330	1	330	
Kitchen Office	165	1	165	
Dry Food Storage	260	1	260	
Walk-in Cooler	95	1	95	
Walk-in Freezer	55	1	55	
Walk-in Freezer	80	1	80	
Staff Lunch Room	860	1	860	
Staff Lockers	60	1	60	
Kitchen Staff Toilet (1M)	38	1	38	
Kitchen Staff Toilet (1F)				
MEDICAL			690	
Medical Suite Toilet	45	1	45	
Medical Suite Toilet				
Nurses' Office/Waiting Room	500	1	500	
Interview Room				
Interview Room				
Interview Room				
Examination Room	145	1	145	
Treatment Room				
Resting				
Resting				
Resting				

Existing	g to Remain/Re	enovated		New			Total	
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area to
		0			10,063			10
			6,396	1	6,396			
			501	1	501			
			-					
			633	1	633			
			2,533	1	2,533			
			0	1	0			
		0			1,153			1
		, i	45	2	90			
			-					
			263	1	263			
			100	3	300			
			100	5	500			

		Curre	nt Revised	Design Dev	velopment (DD)*								
Existing	to Remain/Re	novated		New			Total			Clarification comments and/or	(re	fer to MSBA E		10 Guidelines gram & Space Standard Guidelines)
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹ # OF RMS area totals			% over/ under SD	Changes if not +/-5% from SD to Current DD	ROOM NFA ¹	# OF RMS	area totals	Comments
									-					
		0			10,170			10,170	1%				10,262	
			6,395	1	6,395				-		6,125	1	6,125	3 seatings - 15SF per seat
			251	1	251				-		456	1	456	
			232	1	232				-					
			633	1	633				-		600	1	600	
			1,473	1	1,473				-		2,525	1	2,525	1600 SF for first 300 + 1 SF/student Add'l
			330	1	330				-					
			96	1	96				-					
			244	1	244				-					
			258	1	258				-					
			258	1	258				-					
									-					
									-					
									-		556	1	556	20 SF/Occupant
									-					
									-					
			56	0	0				-					in gross
			56	0	0				-					in gross
									-					
		0			1,197			1,197	4%	Total medical on target,			1,110	
			73	1	73				-	minor spaces adjusted, including toilets a little larger	60	1	60	
			59	1	59				-	to accommodate multiple				
			254	1	254				-	people. Exam, treatment and	250	1	250	
			100	1	100				-	rest a little larger to fit the	100	3	300	
			97	1	97				-	structural grid in suite.				
			97	1	97				-					
			118	1	118				-		100	5	500	
			120	1	120				-					
			279	1	279				-					
									-					
									-					

	Schematic Design: August 2011/ Revised by approved											
Concord-Carlisle Regional High School	Ex	isting Condit	ions	Existinç	g to Remain/Ro	enovated		New		Total		
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals
STUDENT SUPPORT (Adm. & Guidance)			8,462			0			6,008			6,008
Administrative Suite			3,545			J J			2,475			2,475
General Office / Waiting Room	510	1	510				496	1	496			2,110
Teachers' Mail and Copy Room/Work Room	190		190				312		312			
Duplicating Room												
Records Room	55	1	55									
Principal's Office w/ Conference Area	220	1	220				217	1	217			
Principal's Secretary / Waiting	290	1	290				279	1	279			
Assistant Principal's Office - AP1	145	1	145				152	1	152			
Assistant Principal's Office - AP2	140	1	140				146	1	146			
Registrar's Office	205	1	205				192	1	192			
Conference Room	450	1	450				474	1	474			
Ex Administrative Office / Work Room	125	1	125				207	1	207			
Ex. kitchenette	85	1	85									
Ex. Meeting / Work Room	1,130	1	1,130									
Security Office												
METCO			515						291			291
METCO Director - Ex.	115		115				196	1	196			
METCO Secretary - Ex.	100		100				95	1	95			
METCO Tutoring - Ex.	300	1	300									
0.11 0.11-												
Guidance Suite	05		2,452				00	13	1,567		13	1,567
Guidance Office	95	4	380				99	7	693			
Guidance Office Guidance Office	112 140	1	112 140				98 96	1	98			
Guidance Office Guidance Office	90	1	90				96	l	96			
Guidance Office	90		90									
Guidance Office												
Guidance Office												
Guidance Office												
Guidance Office												
	110	1	110									
Social Adjustment Office	60	2	120									
School Psychologist	60	1	60									
Conference Room (share w/ SPED)	200	1	200				207	1	207			
Guidance Waiting Room							202	1	202			
Guidance Storeroom							99	1	99			
Career Center	945	1	945				456	0	0			
Records Room	70	1	70				172	1	172			
Copy Room	65	1	65									
Interns	40	4	160									
Teachers' Work Room [Adult Support]			0				631	1	631		1	631
Program Capacity (MSBA)	1		0					-				
Adult Support (Planning/Break/Kit)	1		0									
Student Service Programs	1		1,950						1,044			1,044
"Challenge" - Ex. Prog.	1,050	1	1,050				1,044	1	1,044			
"Planning" (in-house susp./Social worker) Ex.	680	1	680									
Planning - Storage	220	1	220									
"Network" (At-risk - Freshman level)												

		Curre	nt Revised	Design Dev	velopment (DD)*								
Existing	g to Remain/Re	novated		New			Total			Clarification comments and/or	(r	efer to MSBA I		10 Guidelines gram & Space Standard Guidelines)
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	% over/ under SD	Changes if not +/-5% from SD to Current DD	ROOM NFA ¹	# OF RMS	area totals	Comments
		0			5,830			5,830	- -3%				4.070	
		U			2,209			2,209	-11%	Total Ad/Guid on target, minor spaces adjusted.			4,979	
			488	1	488			,	-	Combine with Princ Sec.	613	1	613	
			305	1	305				-		100	1	100	
									-		200	1	200	
			202		202				-		200	1	200	
			223 157	1 1	223 157				_	Combine w/ Gen O. wait.	375 125	1 1	375 125	
			146	-	146				_	Combine w Cen C. Wait.	150	1	150	
			146		146				-		150	1	150	
			146		146				-	VE:more flex w/ office suite	120	1	120	
			385	1	385				-	VE: layout meets owner req.	450	1	450	
			213	1	213				-					
									-					
									-					
					292			292	- 0%					
			196	1	196			292	-					
			96		96				_					
									-					
									-					
				14	1,623		14	1,623	4%	Guidance offices a little larger to accommodate				
			105	1	105				-	flexible plan of offices on a	150	7	1,050	
			105 105	<u> </u>	105 105				_	set structural grid.				
			105	1	105				_					
			105	1	105				-					
			105	1	105				-					
			105	1	105				-					
			105	1	105				-					
			105	1	105				-					
									_					
									-					
									-					
			211	1	211				-					
			195	1	195				-		100	1	100	
			50	2	100				<u> </u>		100	1 1	100	this is not needed in cchs program
			172	1	172				- I		456 178	1 1	178	
			.,_		112				-			<u> </u>	170	
									-					
									-					
			630	1	630		1	630	0%		613	1	613	
									_			+		
									_					
					1,076			1,076	3%					
			1,076	1	1,076				-					
									-					
									-					
									-					

Concord-Carlisle	Б	kisting Conditi	ions
Regional High School	_	T	I
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals
USTODIAL & MAINTENANCE		7	2,779
Custodian's Office		,	2,113
Ex. Custodian's Office	450	1	450
Ex. Custodian's Office	75	1	75
Custodian's Workshop	1		
Ex. Maintenance Department	1,250	1	1,250
Custodian's Storage			
Ex. Custodian's Storage	80	1	80
Ex. Custodian's Storage	165	1	165
Ex. Custodian's Storage	255	1	255
Command Center			
Recycling Room / Trash			
Recycling Room / Trash			
Receiving and General Supply			
Storeroom			
Storeroom			
Ex. trailer	504	1	504
Network/Telecom Room (Head End Room)			
Existing included in gsf			
Ex. Grounds Equip.(incl. in gsf)			
Ex. Custodial Clos. (incl. in gsf)			
Ex. Telecom. Switch Clos. (incl. in gsf)	_		
<u>rher</u>		12	3,824
Radio Station		5	1,839
Radio Station General	980	1	980
Radio Studio	145	1	145
Radio Studio	120	1	120
Tran. Storage	150	1	150
Technology Storage	444	1	444
Radio Storage			
Server			
Cable / TV		5	1,600
Cable / TV General	1,200	1	1,200
Cable / TV Projection Room/ Editing	60	1	60
Cable / TV Projection Room/ Control Room	110	1	110
Cable / TV Storage/ Server	105	1	105
Cable / TV Storage/ Office	125	1	125
Cable / TV Office			
Cable / TV Waiting			
Cable / TV Kitchenette	<u> </u>		
Cable / TV Toilet room (CORI req'd)			
Adult Education		2	385
AE Directors Office	225	1	225
AE Education Office	160	1	160
7.2 23333101 011100	1.00	•	

Existing	ງ to Remain/Re	enovated		New			Total	
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area total
		0			2,785			2,78
		•	158	1	158			2,70
			100		100			
			240	1	240			
			348	1	348			
			62	1	62			
			420	1	420			
			482	1	482			
			356	1	356			
			383	1	383			
			336	1	226			
			336	1	336			
		0			3,633			3,63
				5	1,997		5	1,9
			1,118	1	1,118			
			147	1	147			
			133	1	133			
			155	1	155			
			444	1	444			
				_				
			4.001	5	1,415		5	1,4
			1,021	1	1,021			
			60 110	1	60 110			
			110	1	110			
			123	1	101			
			120	1	123			
				2	221		2	2
			125					
			125 96	1 1	125 96			-

		Curre	nt Revised	Design Dev	velopment (DD)*								
Existinç	g to Remain/Re	novated		New			Total			Clarification comments and/or	(re	efer to MSBA I		10 Guidelines gram & Space Standard Guidelines)
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	% over/ under SD	Changes if not +/-5% from SD to Current DD	ROOM NFA ¹	# OF RMS	area totals	Comments
		•			0.740			0.740	- -1%	Custodial office a little			0.544	
		0	145	1	2,746 145			2,746	-1%	smaller, storage a little	150	1	2,544 150	
			145	ı	143				_	larger, but overall custodial	130	1	130	
									-	space is on target.				
			228	1	228				-		250	1	250	
									-					
			352	1	352				-		375	1	375	
			65	1	65				-					
									-					
									_					
			207	1	207				-		400	1	400	
			213	1	213				-		100		400	
			474	1	474				-		456	1	456	
			356	1	356				-		713	1	713	
			370	1	370				-					
									-					
			336	1	336				-		200	1	200	
									-					
									_					
									_					
									-					
									-					
		0			3,529			3,529	-3%				0	
				5	1,895		5	1,895	-5%	Radio Station in its entirety is on target while interior				
			956	1	956				-	spaces adjusted.				
			125 145	1	125				-					
			231	1	145 231				_					
			438	1	438				-					
					.30				-					
									-					
									-					
				9	1,406		9	1,406		CCTV is on target while interior spaces adjusted.				
			472	1	472				-	General space further				
			208 115	1	208 115				-	broken down into Office,				
			43	1	43				_	Kitchenette, Waiting and Toilet Rm. Separate Toi.				
			105	1	105				-	facilities needed to avoid				
			105	1	105				-	CORI checking every person who uses the CCTV studio				
			279	1	279				-	and to keep them out of the				
			22	1	22				-	school facilities on a daily				
			57	1	57				-	basis.				
					000			0.55	-					
			129	2	228 129		2	228	3%					
			99	1	99									
			- 55						-					
									-					

Concord-Carlisle Regional High School	Ex	isting Conditi	ons
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals

	Schematic Design: August 2011/ Revised by approved DESE January 2012*													
Existing	ı to Remain/Re	novated		New			Total							
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals						

	Curre	nt Revised	Design Dev	elopment (DD)*								
Existing to Remain/Renovated New Total							Clarification comments and/or	(r	efer to MSBA I		10 Guidelines gram & Space Standard Guidelines)		
ROOM NFA ¹	# OF RMS area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	% over/ under SD	Changes if not +/-5% from SD to Current DD	ROOM NFA ¹	# OF RMS	area totals	Comments

ALTERNATE BUILDING (COSTS BORNE FULLY BY CONCORD-CARLISLE)

	1	330
330	1	330
	3	1,540
675	1	675
605	1	605
260	1	260
	2	730
420	1	420
310	1	310
	1	100
100	1	100
	1	210
210	1	210
	675 605 260 420 310	330 1 330 1 330 1 675 1 605 1 260 1 2420 1 310 1 1100 1

	0			10,250		10,250
0	0		4	7,900	4	7,900
		2,172	1	2,172		
		5,231	1	5,231		
		224	1	224		
		273	1	273		
0	0		2	1.050	2	1.050
0	U	075	3	1,850	3	1,850
		675	2	1,350		
		500	1	500		
		150	0	0		
0	0		1	500	1	500
	-	225	0	0		
		500	1	500		
			0	0	0	0
			0	0	0	0
			0	U		0

	0			8,195		8,195	-20%	Town Alternate Gym: See		0	
							-	below			
							-				
0	0		4	7,694	4	7,694	-3%				
		2,231	1	2,231			-				
		5,023	1	5,023			-				
		217	1	217			-				
		223	1	223			-	Sto reduced and			
							-	Sto reduced and			
0	0		0	0	0	0	-	Team Rooms deleted to			
		0	0	0			-	accommodate Assembly			
		0	0	0			-	toilet facilities & const. cost overage			
							-	overage			
		0	0	0			-				
							-				
0	0		1	501	1	501	0%				
		0	0	0			-				
		501	1	501			-				
							-				
			0	0	0	0	-				
							-				
							-				
			0	0	0	0	-				
							-				
							-				

Concord-Carlisle Regional High School	Existing Conditions				
ROOM TYPE	ROOM NFA ¹	# OF RMS	area totals		

Schematic Design: August 2011/ Revised by approved DESE January 2012*									
Existing to Remain/Renovated				New		Total			
ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	

Current Revised Design Development (DD)*													
Existing	to Remain/Renovated		New		Total			Clarification comments and/or	(re	MSBA 2010 Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)			
ROOM NFA ¹	# OF RMS area totals	ROOM NFA ¹	# OF RMS	area totals	ROOM NFA ¹	# OF RMS	area totals	% over/ under SD	Changes if not +/-5% from SD to Current DD	ROOM NFA ¹	# OF RMS	area totals	Comments

COMBINED BUILDING

Total Building Net Floor Area (NFA)		171,215
Main Building Net Floor Area (NFA)		
Alternate Building Net Floor Area (NFA)		
Proposed Student Capacity/Enrollment		
Total Building Gross Floor Area (GFA) ²		233,800
Ex. Permanent Building	230,050	
Ex. Temporary Buildings	3,750	
Main Building Gross Floor Area (GFA) ²		
Alternate Building Gross Floor Area (GFA) ²		
Grossing factor (GFA/NFA)		1.37
Main Building Grossing factor (GFA/NFA)		
Alternate Building Grossing factor (GFA/NFA)		

0	165,943	165,943
	155,693	155,693
	10,250	10,250
	1,225	1,225
0	238,326	238,326
	225,826	225,826
	12,500	12,500
	1.44	1.44
	1.45	
	1.22	

				_	_		
	0	163,676	163,676	-1%	fixed formula at exist. SF	152,692	
		155,481	155,481	0%			
		8,195	8,195	-20%	see above		
		1,225	1,22			1,225	181
	0	236,495	236,49	-1%		221,725	
		225,826	225,82				
		10,669	10,66	-15%	see above		
		1.44	1.44		fixed formula at exist. SF	1.452	
•		1.45					
		1.30					
•							

Estimate Summary - Schematic to March DD-1 7/12/2012



		Schematic Design			March 26, 2012 DD-1
			Reconcile	ed	Source of variation / cost drivers
		DG Jones	DG Jones	Turner	
Α	Substructure	\$3,291,568	\$3,910,650	\$4,338,561	Substructure
A10	Foundations	\$3,291,568	\$3,910,650	\$4,338,561	1 Building square footage increased.
					2 Building classified as emergency shelter.
					3 Increased unit prices.
В	Shell	\$15,634,045	\$21,696,857	\$22,377,617	Shell
310	Super Structure	\$7,781,198	\$8,487,989	\$8,991,815	1 Building square footage increased.
20	Exterior Enclosure	\$5,313,864	\$9,490,475	\$9,743,219	2 Increased amount of transfer beams.
30	Roofing	\$2,538,983	\$3,718,393	\$3,642,583	3 Building classified as emergency shelter.
					4 More complicated structure than schematic.
					Structural framing at every floor opening (skylights, light wells,
					tunnels, etc) proved out to be expensive.
					6 increased amounts of exterior glass and sun shading.
					7
					Increased exterior detailing with too many different materials.
					Increased amounts of skylights which resulted in rippling affects
					8 with general roofing costs beyond the actual cost of the skylight units.
					Increased exterior projections from schematic which resulted in
					increased exterior surface area.
					10 Less use of masonry veneer.
					11 Third floor terraces were added.
					12 Various schematic accepted VE items were not incorporated.
					13 Cost of the penthouse shell proved to be costly.
					14 Mechanical roof screening added.
					15 Trellis added
					16 Insulation shown on exterior walls, not required.
					17 Various schematic accepted VE items didn't materialize.
С	Interiors	\$11,443,210	\$13,379,344	\$13,390,503	Interiors
10	Interior Construction	\$5,023,794	\$6,496,852	\$6,492,255	1 Building square footage increased.
20	Stairs	\$439,010	\$511,758	\$402,160	2 Increased amounts of interior glass.
30	Interior Finishes	\$5,980,406	\$6,370,734	\$6,496,088	Partition wall type construction became complicated and costly
		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1-77	, , , , , , , , ,	4 Stairs were not switchback as accepted in schematic VE.
					General flooring finishes not followed per accepted schematic VE
					5
					6 Increased amounts of fire rated glass at stairs.
					7 Increased amount of wood door frames
					8 SS toilet partitions added
					9 Locker material changed to phenolic from metal
					10 Various schematic accepted VE items didn't materialize.

June 29, 2012	DD-2
Reconciled	
DG Jones	Turner
\$0	\$0
\$0	\$0
·	
\$0	\$0
\$0	\$0
\$0	\$0
\$0	\$0
ŞU	\$ 0
\$0	\$0
\$0	\$0
\$0	\$0
\$0	\$0

Concord-Carlisle High School

Estimate Summary - Schematic to March DD-1 7/12/2012



		Schematic Design		June 29, 2012	DD-2		
			Reconciled Source of variation / cost driver		Source of variation / cost drivers	Reconciled	
		DG Jones	DG Jones	Turner		DG Jones	Turner
D	Services	\$17,286,582	\$22,419,282	\$23,832,386	Services	\$0	\$0
D10	Conveying	\$321,676	\$407,450	\$383,602	1 Building square footage increase.	\$0	\$0
D20	Plumbing	\$2,358,714	\$2,813,746	\$2,720,709	2 Mechanical equipment specified was extremely expensive.	\$0	\$0
					Mechanical systems and controls had many overlaps. Multiple		
D30	HVAC	\$8,803,017	\$11,348,208	\$12,560,428	systems doing the same service, monitoring or control.	\$0	\$0
D40	Fire Protection	\$958,146	\$1,020,555	\$1,002,662	4 Aircuity system control proved out to be expensive.	\$0	\$0
					Mechanical systems not grouped or combined proved out to be		
D50	Electrical	\$4,845,029	\$6,829,323	\$7,164,985	expensive.	\$0	\$0
					6 Non stacking of systems; elect, plumbing and mechanical.		
					7 Increased amounts of LED lighting specified.		
					8 Expensive lighting controls specified. Design team thought energy		
					efficient lighting control system would be cost neutral.		
					9 Scope of security system increased.		
E	Equip + Furnishings	\$2,782,879	\$4,263,201	\$4,688,814	Equip + Furnishings	\$0	\$0
E10	Equipment	\$1,391,400	\$2,131,841	\$2,409,479	1 Additional fume hoods were added.	\$0	\$0
E20	Furnishings	\$1,391,478	\$2,131,360	\$2,279,335	2 Electric hand dryers added.	\$0	\$0
					3 Kitchen equipment budget increased.		
					4 Stage equipment increased.		
					5 A/V equipment added.		
					6 Casework equipment or unit rates increased.		
					7 Fixed audience seating or unit rates increased.		
					8 Targeted VE savings didn't materialize.		
F	Special / Demo	\$0	\$3,048,113	\$3,004,795	Special / Demo	\$0	\$0
F10	Special Construction	\$0	\$0	\$0	1 Neutral	\$0	\$0
F20	Selective Building Demo	\$0	\$0	\$3,004,795		\$0	\$0
F20	Existing Building Demolition	\$0	\$1,546,863	\$0		\$0	\$0
F20	Asbestos Removal	\$0	\$1,501,250	\$0		\$0	\$0
G	Sitework	\$5,816,316	\$9,532,935	\$9,899,604	Sitework	\$0	\$0
G10	Site Preparation	\$1,984,940	\$2,461,780	\$2,124,881	1 Increased amount of hardscaping sf and material type	\$0	\$0
G20	Site Improvements	\$1,838,084	\$4,069,501	\$4,342,612	2 Irrigation scope increased.	\$0	\$0
					Schematic site prep cost in the schematic may have been		
					3 understated? At the schematic estimate the delta between KVA and		
630	Site Mechanical Utilities	¢1 220 724	¢2 420 E66	\$2.764.460	DG J was \$1m (total), with \$500k being in sitework alone.	\$0	\$0
G30	Site Methanical Offities	\$1,330,734	\$2,428,566	\$2,764,460	Site utility scope increased. However, the project team and the	\$0	\$0
					District did mitigate many costs by performing early infrastructure		
G40	Site Electrical Utilities	\$662,559	\$573,088	\$667,651	work under separate contracts.	\$0	\$0
040	Site Electrical Offices	7002,333	7373,000	7007,031	work ander separate contracts.		

Estimate Summary - Schematic to March DD-1 7/12/2012



	Schematic Design
	DG Jones
Other (Salvage & De Hand Flowersh)	\$3,210,300
Other (Salvage & Re-Used Elements)	\$3,210,300
Subtotal	\$59,464,900
GR/GC + Insurance	\$5,410,428
Bond	\$595,818
Design/Escalation	\$2,081,272
Estimating contingency	\$4,728,670
CM Contingency	\$1,445,622
CM fee	\$1,264,919
Total Construction Cost	\$74,991,629
	75

Schematic Design

		March 26, 2012 DD-1
Recond	ciled	Source of variation / cost drivers
DG Jones	Turner	
		Increased parking count due to compliance with zoning requirements
\$0	\$0	
\$78,250,382	\$81,532,280	
\$7,694,963	\$9,597,108	
\$582,750	\$0	
\$0	\$2,364,000	
\$2,163,202	\$0	
\$1,773,826	\$2,061,000	
\$1,312,500	\$1,312,500	
\$91,777,623	\$96,866,888	\$5.1m delta between TCC and DG Jones
92	97	

June 29, 2012	DD-2
Reconciled	
DG Jones	Turner
\$0	\$0
\$0	\$0
\$0	\$0
\$0	\$0
\$0	\$0
\$0	\$0
\$0	\$0
\$0	\$0
\$0	\$0
Ş U	Ş U
TBD	TBD

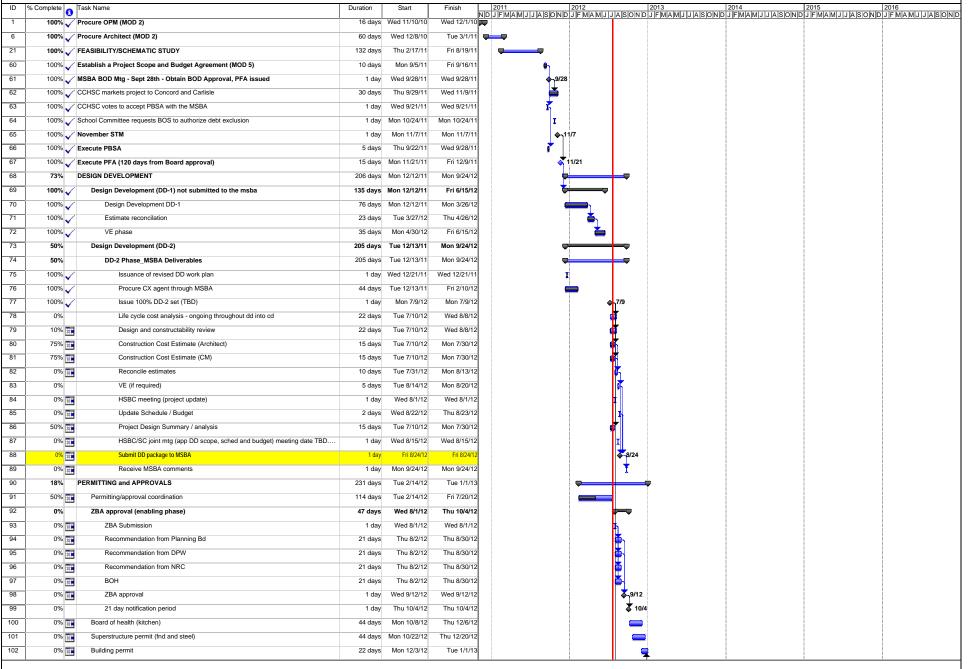
\$94,322,256	Reconciled estimate based on splitting the difference
\$75,000,000	Construction budget (rounded)
\$19,322,256	VE
\$1,932,226	10% VE factor
\$21,254,481	VE to obtain post March DD-1 drawing set
-\$14,211,176	VE accepted as of 6-7-12 (based on TCC values)
-\$4,034,000	VE accepted post June 14th meeting with the MSBA.
\$77,364	Increase plug value for detached gym
\$3,086,669	Potential VE target value. Actual value TBD based on outcome of June DD-2 drawing set.



Concord - Carlisle High School



Project Schedule - 2014/2015 Winter/mid year move





Concord - Carlisle High School Project Schedule - 2014/2015 Winter/mid year move



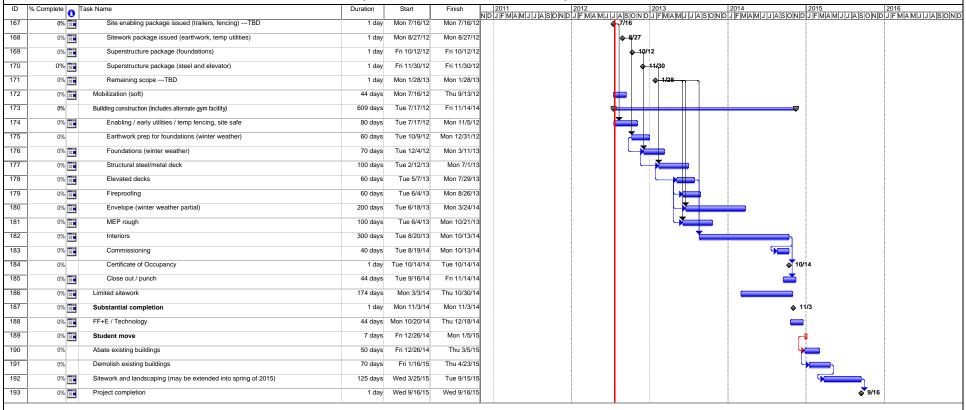
			,			·
ID %	6 Complete	Task Name	Duration	Start	Finish	2011 2012 2013 2014 2015 2016 ND J FMAMJ J J A SOND J FMAMJ J FMAMJ J A SOND J FMAMJ
103	0%	CONSTRUCTION DOCUMENT PHASE - TBD	160 days	Tue 7/10/12	Mon 2/18/13	13
104	0% 🚃	Construction Documents	144 days	Tue 7/10/12	Fri 1/25/13	ng
105	0%	CD 60% Phase_MSBA Submission	47 days	Fri 10/12/12	Mon 12/17/12	112
106	0%	60% CD drawings issued	1 day	Fri 10/12/12	Fri 10/12/12	12 • 10/12
107	0%			Mon 10/15/12	Fri 11/2/12	_ _
108	0%		1 day	Fri 11/16/12		
109	0%	Receive MSBA comments		Mon 12/17/12		
110	0% 🛅			Mon 10/15/12		
111	0%		·	Mon 10/15/12		
112	0% 🛅			Mon 10/29/12		
113	0%	Submit reconciled/budget update to the MSBA	1 day	Mon 11/19/12		
114	0%	CD 90% Phase_MSBA Submission	57 days	Fri 11/30/12	Mon 2/18/13	13
115	0%	90% CD drawings issued	1 day	Fri 11/30/12	Fri 11/30/12	172 ♦ 11/30
116	0% 🚃	Submit 90% CD MSBA submission	1 day	Fri 1/18/13	Fri 1/18/13	√ ₁ /1/18
117	0%	Receive MSBA comments	1 day	Mon 2/18/13	Mon 2/18/13	Taj
118	0%	Final CD MSBA submission	35 days	Mon 12/3/12	Fri 1/18/13	13
119	0% 📆	Final Cost Estimate (Architect) based on 90% issued set	10 days	Mon 12/3/12	Fri 12/14/12	12
120	0%		10 days	Mon 12/3/12	Fri 12/14/12	12
121	0%			Mon 12/17/12		
122	0%			Mon 12/31/12		
123			15 days	Mon 12/3/12		
l	0%					
124	0%		1 day	Fri 1/18/13		
125	0%	Bid Document Submission	1 day	Mon 1/28/13		
126	0% 🛅		1 day	Mon 1/28/13	Mon 1/28/13	13 • 1/28
127	1.5	CM PROCUREMENT and CONTRACTS	156 days	Wed 7/20/11	Wed 2/22/12	12
128	100% 🧹	Committee discussions on CM @ Risk	1 day	Wed 7/20/11	Wed 7/20/11	71 I
129	100% 🧹	Committee discussions on CM @ Risk	1 day	Wed 7/27/11	Wed 7/27/11	fil I
130	100% 🗸	Prequalification Committee is formed (PQC)	1 day	Wed 11/16/11	Wed 11/16/11	71 X
131	100% 🏑	Selection Committee is formed (SC)	1 day	Wed 11/16/11	Wed 11/16/11	71 X
132	100% 🏑	IG Approval	57 days	Wed 8/10/11	Thu 10/27/11	11
139	100% 🏑	RFQ (Request For Qualifications)	49 days	Mon 10/24/11	Thu 12/29/11	11
144	100% 🗸	RFP (Request For Proposal)	63 days	Mon 11/21/11	Wed 2/15/12	12
153	100% 🗸	CM contract - negotiation	5 days	Thu 2/16/12		
154		CM Agreement is executed	1 day	Thu 2/23/12		
155		CM interim amendment for enabling - TBD	1 day	Wed 8/15/12		
156		CM interim amendment for superstructure - TBD	1 day	Fri 11/30/12		
			1			
157		CM interim amendment - TBD	1 day	Mon 1/21/13		
158	0% 🛅		1 day	Mon 3/25/13		
159		TRADE PREQUALIFICATION	88 days	Mon 9/17/12		
160	0% 🛅	Trade Bidding	22 days	Mon 2/4/13		
161	0%	Subcontractor buy out	125 days	Mon 11/19/12	Fri 5/10/13	13
162	0% 🛅	Submit MSBA cost comparison spreadsheet	1 day	Tue 4/16/13	Tue 4/16/13	13
163	0%	MSBA reviews final GMP/Bid cost comparison spreadsheet	10 days	Wed 4/17/13	Tue 4/30/13	n3
164	0%	MSBA amends PFA (if applicable)	22 days	Wed 5/1/13	Thu 5/30/13	13
165	0%	CONSTRUCTION_OPTION 2_student move at Dec 2014 break	828 days	Mon 7/16/12	Wed 9/16/1!	715
166	0%	Drawing packages	141 days	Mon 7/16/12	Mon 1/28/13	/13
		<u> </u>	.,			



Concord - Carlisle High School



Project Schedule - 2014/2015 Winter/mid year move





Concord - Carlisle High School Project Schedule - 2014/2015 Winter/mid year move



% Complete	Task Name	Duration	Start	Finish	2011 2012		2013	2014	2015	2016
73%	DESIGN DEVELOPMENT	206 days	Mon 12/12/11	Mon 9/24/12		IAMIJ IJ IAISION DI	J F M A M J J A S O N D	J F M A M J J A S O N D		JIJ F MIAIMIJ IJ IAISIOINID
50%	Design Development (DD-2)	205 days	Tue 12/13/11	Mon 9/24/12	-					
50%	DD-2 Phase_MSBA Deliverables	205 days	Tue 12/13/11	Mon 9/24/12	—	-				
100%	Issuance of revised DD work plan	1 day	Wed 12/21/11	Wed 12/21/11	1					
100%	Procure CX agent through MSBA	44 days	Tue 12/13/11	Fri 2/10/12	 					
100%	Issue 100% DD-2 set (TBD)	1 day	Mon 7/9/12	Mon 7/9/12		♦ 7/9				
0%	Life cycle cost analysis - ongoing throughout dd into cd	22 days	Tue 7/10/12	Wed 8/8/12		d i				
10%	Design and constructability review	22 days	Tue 7/10/12	Wed 8/8/12		4				
75%	Construction Cost Estimate (Architect)	15 days	Tue 7/10/12	Mon 7/30/12		•				
75%	Construction Cost Estimate (CM)	15 days	Tue 7/10/12	Mon 7/30/12		•				
0%	Reconcile estimates	10 days	Tue 7/31/12	Mon 8/13/12		4				
0%	VE (if required)	5 days	Tue 8/14/12	Mon 8/20/12		Ĭ,				
0%	HSBC meeting (project update)	1 day	Wed 8/1/12	Wed 8/1/12		4				
0%	Update Schedule / Budget	2 days	Wed 8/22/12	Thu 8/23/12		ħ				
50%	Project Design Summary / analysis	15 days	Tue 7/10/12	Mon 7/30/12		•				
0%	HSBC/SC joint mtg (app DD scope, sched and budget) meeting date TBD	1 day	Wed 8/15/12	Wed 8/15/12		I				
0%	Submit DD package to MSBA	1 day	Fri 8/24/12	Fri 8/24/12		8/24				
0%	Receive MSBA comments	1 day	Mon 9/24/12	Mon 9/24/12		Ť				
	50% 50% 100% 100% 100% 100% 75% 0% 0% 0% 0% 0%	50% Design Development (DD-2) 50% DD-2 Phase_MSBA Deliverables 100% ✓ Issuance of revised DD work plan 100% ✓ Procure CX agent through MSBA 100% ✓ Issue 100% DD-2 set (TBD) Life cycle cost analysis - ongoing throughout dd into cd 10% Design and constructability review 75% Construction Cost Estimate (Architect) 75% Construction Cost Estimate (CM) Reconcile estimates VE (if required) 0% HSBC meeting (project update) 0% Update Schedule / Budget 50% Project Design Summary / analysis HSBC/SC joint mtg (app DD scope, sched and budget) meeting date TBD Submit DD package to MSBA	50% Design Development (DD-2) 50% DD-2 Phase_MSBA Deliverables 205 days 100% ✓ Issuance of revised DD work plan 1 day 100% ✓ Procure CX agent through MSBA 44 days 100% ✓ Issue 100% DD-2 set (TBD) 1 day 0% Life cycle cost analysis - ongoing throughout dd into cd 22 days 10% □ Design and constructability review 22 days 75% □ Construction Cost Estimate (Architect) 15 days 75% □ Construction Cost Estimate (CM) 16 days 75% □ Construction Cost Estimate (CM) 17 days 18 days 19 days 10 days 10 days 10 days 11 days 12 days 13 days 14 days 15 days 16 days 17 days 18 Design Development (DD-2) 19 days 10 days 10 days 10 days 10 days 10 days 11 days 12 days 13 days 14 days 15 days 15 days 15 days 15 days 16 days 17 days 18 Design Summary / analysis 18 days 19 days 19 days 10 days	50% Design Development (DD-2) 205 days Tue 12/13/11 50% DD-2 Phase_MSBA Deliverables 205 days Tue 12/13/11 100% ✓ Issuance of revised DD work plan 1 day Wed 12/21/11 100% ✓ Procure CX agent through MSBA 44 days Tue 12/13/11 100% ✓ Issue 100% DD-2 set (TBD) 1 day Mon 7/9/12 0% Life cycle cost analysis - ongoing throughout dd into cd 22 days Tue 7/10/12 10% Design and constructability review 22 days Tue 7/10/12 75% Construction Cost Estimate (Architect) 15 days Tue 7/10/12 75% Construction Cost Estimate (CM) 15 days Tue 7/10/12 0% Reconcile estimates 10 days Tue 7/31/12 0% VE (if required) 5 days Tue 8/14/12 0% HSBC meeting (project update) 1 day Wed 8/12/12 50% Project Design Summary / analysis 15 days Tue 7/10/12 0% HSBC/SC joint mtg (app DD scope, sched and budget) meeting date TBD 1 day <td> Design Development (DD-2) 205 days Tue 12/13/11 Mon 9/24/12 </td> <td> DESIGN DEVELOPMENT 206 days Mon 12/12/11 Mon 9/24/12 </td> <td> DESIGN DEVELOPMENT 206 days Mon 12/12/11 Mon 9/24/12 Mon 9/24</td> <td> Design Development (DD-2) 205 days Tue 12/13/11 Mon 9/24/12 </td> <td> Design Development (DD-2) 205 days Mon 12/12/11 Mon 9/24/12 M</td> <td> Design Development (DD-2) 205 days Tue 12/13/11 Mon 9/24/12 </td>	Design Development (DD-2) 205 days Tue 12/13/11 Mon 9/24/12	DESIGN DEVELOPMENT 206 days Mon 12/12/11 Mon 9/24/12	DESIGN DEVELOPMENT 206 days Mon 12/12/11 Mon 9/24/12 Mon 9/24	Design Development (DD-2) 205 days Tue 12/13/11 Mon 9/24/12	Design Development (DD-2) 205 days Mon 12/12/11 Mon 9/24/12 M	Design Development (DD-2) 205 days Tue 12/13/11 Mon 9/24/12

OMR Architects PFA Phase Billing Through 3/31/12

Cost Code	Phase	Vendor	Description	Invoice Date	Invoice Number	Invoice Amount	=
							•
Cost Code 0201 0400	Design Development	OMR Architects, Inc.	Amendment #9	1/11/2012	10	\$ 443,749.30	
		OMR Architects, Inc.	Amendment #9	2/13/2012	11	\$ 266,249.58	
		OMR Architects, Inc.	Amendment #9	3/6/2012	12	\$ 354,999.43	
		OMR Architects, Inc.	Amendment #9	4/10/2012	13	\$ 354,999.44	\$ 1,419,997.75 *
Cost Code 0203 0200	Printing	OMR Architects, Inc.	Printing ZBA documents March	4/10/2012	13	\$ 1,949.40]
Cost Code 0203 9900	MA CHPS Registration -	OMR Architects	CHPS registration fee	2/13/2012	11	\$ 990.00	
Cost Code 0203 9900	Building Envelope Consultants (WJE)	OMR Architects (WJE)	Building Envelope	3/6/2012	12	\$ 1,650.00	
		OMR Architects (WJE)	Meeting with National Grid	4/10/2012	13	\$ 1,650.00	
Cost Code 0204 0300	Geotechnical/Geoenvironmental Consultant	OMR Architects (CDW)	Environ. Site Assess Ph 2 - Investigation	4/10/2012	13	\$ 9,075.00	
Cost Code 0204 0300	Design Phase Geotech (Nobis)	OMR Architects (Nobis)	Geotech Engineering Services Part 2	2/13/2012	11	\$ 51,535.00	
		OMR Architects (Nobis)	Geotech Engineering Services Part 2	4/10/2012	13	\$ 18,771.50	
Cost Code 0204 0400	Site Survey Consultant	OMR Architects (Nitsch)	Site Survey Task 2	2/13/2012	11	\$ 11,243.30	
		OMR Architects (Nitsch)	Site Survey Task 2	3/6/2012	12	\$ 11,214.50	
		OMR Architects (Nitsch)	Site Survey Task 2	4/10/2012	13	\$ 19,510.02	

Total \$ 1,547,586.47

^{*} Represents 80% of DD basic services. Please see attached project budget dated 071712.

KVA Contract Fee Summary - Concord-Carlisle High School

KVA contract value \$235,025 Basic services for feasibility KVA amendment #1 \$2,100,000 Basic services for PFA

Revised Contract Value \$2,335,025

Site Construction Building Construction Feasibility / Schematic	1 2 3 4 5 6 7 8 9 10 11 12 13	Jan-11 Feb-11 Mar-11 Apr-11 May-11 Jun-11 Jul-11 Aug-11	\$24,000.00 \$24,000.00 \$21,000.00 \$21,000.00 \$22,000.00 \$22,000.00	\$20,890.00 \$19,730.00 \$30,510.00 \$21,630.00		\$3,110.00 \$4,270.00
Building Construction Pre-construction	2 3 4 5 6 7 8 9 10 11	Feb-11 Mar-11 Apr-11 May-11 Jun-11 Jul-11	\$24,000.00 \$21,000.00 \$21,000.00 \$22,000.00	\$19,730.00 \$30,510.00		
Building Construction Pre-construction	3 4 5 6 7 8 9 10 11	Mar-11 Apr-11 May-11 Jun-11 Jul-11	\$21,000.00 \$21,000.00 \$22,000.00	\$30,510.00		54.770.00
Building Construction Pre-construction	4 5 6 7 8 9 10 11	Apr-11 May-11 Jun-11 Jul-11	\$21,000.00 \$22,000.00			(\$9,510.00)
Building Construction Pre-construction	5 6 7 8 9 10 11	May-11 Jun-11 Jul-11	\$22,000.00			(\$630.00)
Building Construction Pre-construction	6 7 8 9 10 11	Jun-11 Jul-11		\$21,942.50		\$57.50
Building Construction Pre-construction	7 8 9 10 11	Jul-11	722,000.00	\$22,023.75	David Saindon:	/600 75
Building Construction Pre-construction	8 9 10 11 12	+	\$22,000.00	\$20,220.00	Green area represe associated with DD	CITES WOIR
Building Construction Pre-construction	9 10 11 12		\$22,000.00	\$33,822.50	the March 26 DD s	
Building Construction Pre-construction	10 11 12	Sep-11	\$22,000.00	\$17,902.50	value is \$90,362.50	
Building Construction	11 12	Oct-11	\$18,000.00	\$14,892.50		\$3,107.50
Building Construction	12	Nov-11	\$17,025.00		Paid to Date	
Building Construction		Dec-11		\$11,461.25	raid to Date	\$5,563.75
Building Construction			\$26,500.00	\$15,087.50		\$11,412.50
Building Construction		Jan-12	\$26,500.00	\$19,267.50		\$7,232.50
Building Construction	14	Feb-12	\$26,500.00	\$18,917.50	JL	\$7,582.50
Building Construction	15	Mar-12	\$26,500.00	\$37,090.00	4224.252.52	(\$10,590.00
Building Construction	16	Apr-12	\$26,500.00	\$58,875.00	\$384,262.50	(\$32,375.00
Building Construction	17	May-12	\$26,500.00	\$45,850.00		(\$19,350.00
	18	Jun-12	\$26,500.00	\$42,475.00		(\$15,975.00
	19	Jul-12	\$26,500.00			
	20	Aug-12	\$26,500.00			
	21	Sep-12	\$49,500.00			
	22	Oct-12	\$49,500.00			
	23	Nov-12	\$49,500.00			
	24	Dec-12	\$49,500.00			
	25	Jan-13	\$55,000.00			
	26	Feb-13	\$55,000.00			
	27	Mar-13	\$55,000.00			
	28	Apr-13	\$55,000.00			
	29	May-13	\$55,000.00			
	30	Jun-13	\$55,000.00			
	31	Jul-13	\$55,000.00			
	32	Aug-13	\$55,000.00			
	33	Sep-13	\$55,000.00			
	34	Oct-13	\$55,000.00			
	35	Nov-13	\$55,000.00			
Istruction	36	Dec-13	\$55,000.00			
Istruction	37	Jan-14	\$55,000.00			
Istruction	38	Feb-14	\$55,000.00			
Istruction	39	Mar-14	\$55,000.00			
Istruction	40	Apr-14	\$55,000.00			
Istruction	41	May-14	\$55,000.00			
Istruction	42	Jun-14	\$55,000.00			
Istruction	43	Jul-14	\$55,000.00			
struction	44	Aug-14	\$55,000.00			
Istruction	45	Sep-14	\$55,000.00			
Istruction	46	Oct-14	\$55,000.00			
Istruction	47	Nov-14	\$45,000.00			
structio	48	Dec-14	\$45,000.00			
Istruc	49	Jan-15	\$45,000.00			
<u> </u>	50	Feb-15	\$45,000.00			
<u> </u>	51	Mar-15	\$45,000.00			
8	J 1	Apr-15	\$45,000.00			
Site	52	May-15	\$45,000.00			
·	52	Jun-15	\$45,000.00			
	53	Jul-15 Jul-15				
	53 54	Aug-15	\$45,000.00 \$48,500.00			
	53	1 1.05 IJ	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

Billed to date

Remaining in PO

Contract Value

Variance from

forecasted to actual

CONCORD-CARLISLE HIGH SCHOOL - BUDGET TRACKING

MSBA ID: W200906400505

Concord-Carlisle Regional High School Project Director: KVA, David Saindon

Period Ending
MSBA Reimbursement Package
Includes GC/CM Requisition

5/31/2012 N/A N/A

Curre	nt Bu	dget

		Includes GC/CM Requisi	tion N/A			_							
				Budget	Rev. PFA	Committed			Remaining	% Complete	CTC	Anticipated	Variance
			PFA Budget	Changes	Budget	Costs	Expended	<u>Unspent</u>	Budget	(against committ'd)	(beyond committed)	<u>C @ C</u>	Under / (Over)
			[A]	[B]	[C]	[D]	[E]	[F]=[D]-[E]	[G]=[C]-[D]	[H]=[E]/[J]	[1]	[J]=[D]+[I]	[K]=[C]-[J]
0000 0000	FEASIBILITY STUDY A	AGREEMENT	\$1,300,000	(\$86,999)	\$1,213,001	\$1,213,001	\$1,213,001	(\$0)	\$0		\$0	\$1,213,001	\$0
0001 0000	OPM Feasibility Study		\$120,000 <i>^</i>	\$115,025	\$235,025	\$235,025	\$235,025	\$0	\$0	100%	\$0	\$235,025	\$0
0002 0000	A&E Feasibility Study	Transferred \$86,999 in	\$1,000,000	(\$111,500)	\$888,500	\$888,500	\$888,500	\$0	\$0	100%	\$0	\$888,500	\$0
0003 0000	Environmental & Site	Feasibility Phase savings to	\$50,000	\$39,089	\$89,089	\$89,089	\$89,089	\$0	\$0	100%	\$0	\$89,089	\$0
0004 0000	Other	DEP services for landfill in PFA	\$130,000	(\$129,613)	\$387	\$387	\$387	(\$0)	\$0	100%	\$0	\$387	\$0
0400 0000	A DAMINICED ATION		#0.450.000	# 0	#0.450.000	#0.405.000	* 040.040	£4 07C 000	#05 000		#05.000	\$0.450.000	60
0100 0000 0100 9999	ADMINISTRATION Adjustment		\$2,150,000 \$0	\$0 \$0	\$2,150,000 \$0	\$2,125,000 \$0	\$248,913 \$0	\$1,876,088 \$0	\$25,000		\$25,000 \$0	\$2,150,000 \$0	\$0 \$0
0100 9999	Legal Fees		\$25,000	\$0 \$0	\$25,000	\$25,000	\$11,350	\$13,650	\$0 \$0	45%	\$0 \$0	\$25,000	\$0 \$0
0102 0000	Owner's Project Manage	er	Ψ20,000	ΨΟ	Ψ23,000	Ψ20,000	Ψ11,000	Ψ10,000	ΨΟ	4070	ΨΟ	Ψ20,000	ΨΟ
0102 0400	Design Development		\$215,000	\$0	\$215,000	\$215,000	\$215,000	\$1	\$0	100%	\$0	\$215,000	\$0
0102 0500	Construction Contract		\$215,000	\$0	\$215,000	\$215,000	\$22,563	\$192,437	\$0	10%	\$0	\$215,000	\$0
0102 0600	Bidding		\$77,000	\$0	\$77,000	\$77,000	\$0	\$77,000	\$0	0%	\$0	\$77,000	\$0
0102 0700	Construction Contraction	ct Administration	\$1,510,000	\$0	\$1,510,000	\$1,510,000	\$0	\$1,510,000	\$0	0%	\$0	\$1,510,000	\$0
0102 0800	Closeout		\$83,000	\$0	\$83,000	\$83,000	\$0	\$83,000	\$0	0%	\$0	\$83,000	\$0
0102 0900	Extra Services		\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0102 1000	Reimbursable & Oth	er Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0102 1100	Cost Estimates		\$0	\$0	\$0	\$0	\$0	\$0	\$0				
0102 9900	Other Project Manag	ger Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0103 0000	Advertising		\$0	\$0	\$0	\$0	\$0	David Saindon: 80% of DD has b	Ψ		\$0	\$0	\$0
0104 0000	Permitting Fees		\$0	\$0 \$0	\$0	\$0	\$0	to date.	ΨΟ		\$0	\$0	\$0
0105 0000	Owner's Insurance	poto (Door Dovious CODI)	\$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0	\$0		\$0	\$0	\$0 \$0
0199 0000	Other Administrative Co	osts (Peer Reviews, CORI)	\$25,000	Φυ	\$25,000	Φυ	Φυ	\$0	\$25,000		\$25,000	\$25,000	Φ0_
0200 0000	ARCHITECTURE & EN	IGINEERING	\$6,646,895	\$86,999	\$6,733,895	\$6,456,859	\$1,577,520	\$4,879,339	\$277,036		\$296,186	\$6,753,045	(\$19,150)
0200 9999	Adjustment		\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0201 0000	Basic Services						_	•					
0201 0400	Design Development	t	\$1,775,000	\$0	\$1,775,000	\$ 1,775,000	\$1,419,998	\$355,002	\$0	80%	\$0	\$1,775,000	\$0
0201 0500	Construction Contract	ct Documents	\$1,940,000	\$150,000	\$2,090,000	\$2,090,000	\$0	\$2,090,000	\$0	0%	\$0	\$2,090,000	\$0
0201 0600	Bidding		\$185,000	\$0	\$185,000	\$185,000	\$0	\$185,000	\$0	0%	\$0	\$185,000	\$0
0201 0700	Construction Contract	ct Administration	\$1,775,000	\$0	\$1,775,000	\$1,775,000	\$0	\$1,775,000	\$0	0%	\$0	\$1,775,000	\$0
0201 0800	Closeout		\$150,000	\$0	\$150,000	\$150,000	\$0	\$150,000	\$0	0%	\$0	\$150,000	\$0
0201 9900	Other Basic Services		\$150,000	(\$150,000)	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0203 0000	Reimbursables and Oth		\$0	\$0	\$0	\$0 \$0	\$0	\$0	\$0		\$0	\$0	\$0
0203 0100	Construction Testing		\$100,000	\$0 \$0	\$100,000	\$0 \$75,000	\$0	\$0	\$100,000	00/	\$100,000	\$100,000	\$0
0203 0200	Printing (over minimum Other Reimbursable		\$75,000 \$100,000	\$0 (\$79.250)	\$75,000 \$24,744	\$75,000	\$2,160	\$72,840	\$0	3%	\$0	\$75,000 \$24,744	\$0 \$0
0203 9900 0203 9900			\$100,000 \$0	(\$78,259) \$990	\$21,741 \$990	\$0 \$990	\$0 \$990	\$0 \$0	\$21,741 \$0	100%	\$21,741 \$0	\$21,741 \$990	\$0 \$0
<u> </u>	MA CHPS Regist	uauun iee	ΦΟ	φ϶϶υ	φ϶϶υ	φ990	φ϶϶υ	Φυ	ΦΟ	100%	φυ	φ 99 0	Φυ

CONCORD-CARLISLE HIGH SCHOOL - BUDGET TRACKING

MSBA ID: W200906400505

Concord-Carlisle Regional High School Project Director: KVA, David Saindon

Period Ending
MSBA Reimbursement Package
Includes GC/CM Requisition

5/31/2012

N/A

N/A



		-										
		DEA Dudget	<u>Budget</u>	Rev. PFA	<u>Committed</u>			Remaining	% Complete	<u>CTC</u>	Anticipated	<u>Variance</u>
		PFA Budget	Changes	<u>Budget</u>	Costs	Expended	<u>Unspent</u>	Budget	(against committ'd)	(beyond committed)	C @ C	Under / (Over)
		[A]	[B]	[C]	[D]	[E]	[F]=[D]-[E]	[G]=[C]-[D]	[H]=[E]/[J]	[1]	[J]=[D]+[I]	[K]=[C]-[J]
0203 9900	MA CHPS Design review	\$0	\$5,000	\$5,000	\$0	\$0	\$0	\$5,000		\$5,000	\$5,000	\$0
0203 9900	Soil testing (Pine and Swallow)	\$0	\$12,524	\$12,524	\$12,524	\$5,874	\$6,650	\$1	47%	\$0	\$12,524	\$1
0203 9900	Building Envelope Consultant (WJE)	\$0	\$3,300	\$3,300	\$3,300	\$3,300	\$0	\$0	100%	\$0	\$3,300	\$0
0203 9900	Building Envelope Consultant (BET/VP)	\$0	\$51,040	\$51,040	\$51,040	\$0	\$51,040	\$0	0%	\$0	\$51,040	\$0
0203 9900	Site model	\$0	\$5,405	\$5,405	\$5,405	\$1,870	\$3,535	\$0	35%	\$0	\$5,405	\$0
0204 0000	Sub-Consultants	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0204 0200	Geotech & GeoEnv (building)	\$115,995	(\$92,708)	\$23,287	\$0	\$0	\$0	\$23,287		\$23,287	\$23,287	\$0
0204 0200	Supplemental HazMat Survey (CDW)	\$0	\$26,928	\$26,928	\$26,928	\$9,037	\$17,892	\$0	34%	\$0	\$26,928	\$0
0204 0200	Geotech services/support during constr (Nobis)	\$0	\$65,780	\$65,780	\$65,780	\$0	\$65,780	\$0	0%	\$0	\$65,780	\$0
0204 0300	Geotech & GeoEnv Environment	\$158,500	(\$139,337)	\$19,163	\$0	\$0	\$0	\$19,163		\$19,163	\$19,163	\$0
0204 0300	Ph II Env site assessment (CDW)	\$0	\$17,457	\$17,457	\$17,457	\$13,250	\$4,208	\$0	76%	\$0	\$17,457	\$0
0204 0300	Additional subsurface investigation (CDW) - 1	\$0	\$26,180	\$26,180	\$26,180	\$3,795	\$22,385	\$0	14%	\$0	\$26,180	\$0
0204 0300	Additional subsurface investigation (CDW) - 2	\$0	\$8,360	\$8,360	\$8,360	\$0	\$8,360	\$0	0%	\$0	\$8,360	\$0
	DEP regulatory for landfill (CDW) re-classed											
0204 0300	\$78,976 from Feasibility phase savings	\$0	\$86,999	\$86,999	\$53,705	\$0	\$53,705	\$33,294	0%	\$52,445	\$106,150	(\$19,151)
0204 0300	Design Ph Geotech services (Nobis)	\$0	\$87,340	\$87,340	\$87,340	\$70,307	\$17,034	\$0	80%	\$0	\$87,340	\$0
0204 0400	Site Survey	\$92,400	(\$47,850)	\$44,550	\$0	\$0	\$0	\$44,550		\$44,550	\$44,550	\$0
0204 0400	Land surveying services (Nitsch)	\$0	\$47,850	\$47,850	\$47,850	\$46,940	\$910	\$0	98%	\$0	\$47,850	\$0
0204 0500	Wetlands	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0 \$0
0204 1200	Traffic Studies	\$30,000	\$0	\$30,000	\$0	\$0	\$0	\$30,000		\$30,000	\$30,000	\$0_
		.	•	•	•	**	**			**	•	4.
0300 0000	SITE ACQUISITION	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0300 9999	Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0301 0000	Land/Building Purchase	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0302 0000	Appraisal Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0 \$0
0303 0000	Recording Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0500 0000	CONSTRUCTION CONTRACT	\$70,004,000	00	\$70.004.000	* 0.000.040	* 05.000	*** ***	\$70.500.000		\$70.475.000	\$70.004.700	* 00.000
0500 0000	CONSTRUCTION CONTRACT	\$78,891,629	\$0	\$78,891,629	\$6,389,349	\$35,220	\$6,354,129	\$72,502,280		\$72,475,380	\$78,864,729	\$26,900
0500 9999	Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0501 0000	Pre-Construction Services	\$200,000	\$0	\$200,000	\$140,880	\$35,220	\$105,660	\$59,120	25%	\$32,220	\$173,100	\$26,900
0502 0000	Construction											
0502 0001	Construction Budget	\$71,365,015	\$0	\$71,365,015	\$6,248,469	\$0	\$6,248,469	\$65,116,546	0%	\$65,116,546	\$71,365,015	\$0
0506 0000	Alternates (alt gym)	\$3,626,614	\$0	\$3,626,614	\$0	\$0	\$0	\$3,626,614		\$3,626,614	\$3,626,614	\$0
0507 0000	Owner's Construction Contingency	\$3,700,000	\$0	\$3,700,000	\$0	\$0	\$0	\$3,700,000		\$3,700,000	\$3,700,000	\$0
0508 0000	Change Orders	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
				7-2	, ,			7-				
0600 0000	MISCELLANEOUS PROJECT COSTS	\$125,000	\$0	\$125,000	\$0	\$0	\$0	\$125,000		\$125,000	\$125,000	\$0
0600 9999	Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0601 0000	Utility Company Fees	\$50,000	\$0	\$50,000	\$0 \$0	\$0 \$0	\$0	\$50,000		\$50,000	\$50,000	\$0 \$0
0001 0000	July Joinpary 1 000	Ψ50,000	ΨΟ	Ψ50,000	ΨΟ	ΨΟ	ΨΟ	Ψ50,000		Ψ50,000	Ψ50,000	ΨΟ

CONCORD-CARLISLE HIGH SCHOOL - BUDGET TRACKING

MSBA ID: W200906400505

Concord-Carlisle Regional High School Project Director: KVA, David Saindon

Period Ending 5/31/2012

MSBA Reimbursement Package N/A

Includes GC/CM Requisition N/A

Current Budget

	Includes GC/CM Requisition	N/A	ı		•							
		PFA Budget	Budget Changes	Rev. PFA Budget	<u>Committed</u> <u>Costs</u>	<u>Expended</u>	<u>Unspent</u>	Remaining Budget	% Complete (against committ'd)	CTC (beyond committed)	Anticipated C @ C	Variance Under / (Over)
		[A]	[B]	[C]	[D]	[E]	[F]=[D]-[E]	[G]=[C]-[D]	[H]=[E]/[J]	[1]	[J]=[D]+[I]	[K]=[C]-[J]
0602 0000	Testing Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0603 0000	Swing Space/Modulars	\$25,000	\$0	\$25,000	\$0	\$0	\$0	\$25,000		\$25,000	\$25,000	\$0
0699 0000	Other Project Costs	\$50,000	\$0	\$50,000	\$0	\$0	\$0	\$50,000		\$50,000	\$50,000	\$0
0700 0000	FURNISHINGS & EQUIPMENT	\$2,940,000	\$0	\$2,940,000	\$0	\$0	\$0	\$2,940,000		\$2,940,000	\$2,940,000	\$0
0700 9999	Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0701 0000	Furnishings & Equipment (FF+E)	\$1,470,000	\$0	\$1,470,000	\$0	\$0	\$0	\$1,470,000		\$1,470,000	\$1,470,000	\$0
0702 0000	Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
0703 0000	Computer Equipment	\$1,470,000	\$0	\$1,470,000	\$0	\$0	\$0	\$1,470,000		\$1,470,000	\$1,470,000	\$0
0799 0000	Other Furnishings & Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	<u> </u>											
0800 0000	OWNER'S CONTINGENCY	\$525,000	\$0	\$525,000	\$0	\$0	\$0	\$525,000		\$525,000	\$525,000	\$0
0800 9999	Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0 \$0
0801 0000	Owner's Contingency	\$525,000	\$0	\$525,000	\$0	\$0	\$0	\$525,000		\$525,000	\$525,000	\$0
PROJE	ECT TOTALS	\$92,578,524	\$0	\$92,578,525	\$16,184,209	\$3,074,653	\$13,109,555	\$76,394,316		\$76,386,566	\$92,570,775	\$7,750



543 Massachusetts Ave, West Acton, MA 01720 t: 978,264.0160 www.omr-architects.com

Memorandum

24 July 2012

To:

Diana Rigby, Superintendent of Schools, Concord Carlisle Regional School District

From: OMR Architects, Inc.

RE:

Concord Carlisle Regional High School

Design Development Phase Work

Dear Diana:

As discussed at previous CCHS School Building Committee Meetings, OMR Architects Inc. has not requested and will not be requesting any additional fees as a result of the Design Development phase schedule extension and Value Engineering efforts.

Thank you.

Sincerely,

omr architects, inc.

Marty Kretsch, AIA

Managing Principal/ Public Sector Projects

My a Yunt

David Saindon

From: David Saindon

Sent: Thursday, July 12, 2012 12:18 PM

To: Stan Durlacher

Cc: Diana Rigby; John Flaherty; Dakin, Brian; Frank Vanzler

Subject: FW: Preconstruction

Stan-

As discussed today please see the below e mail I received in response to the MSBA June 26th letter. I will forecast \$35,220 in the pre-con line of the budget.

David-

From: Kirkpatrick, Maureen D - (BOS) [mailto:mkirkpatrick@tcco.com]

Sent: Thursday, July 12, 2012 10:34 AM

To: David Saindon **Subject:** Preconstruction

David,

Per our earlier conversation:

As you are aware our preconstruction effort is based on 8 months at a monthly rate of \$17,610(reference Form F). We are currently into our 4th month of preconstruction with the DD estimate and have another 6 months to go based on the revised schedule to finalize the GMP for a total of 10 months of preconstruction. In costs spent to date we have exceeded our monthly rate but are not looking for additional monies to cover the actual time spent. However we would like to receive the additional months of preconstruction that will be required in order to complete the GMP at the previously agreed upon monthly rate.

I understand that this will require further discussion and I will be prepared to do so at the next meeting.

Thank you Maureen

Maureen Kirkpatrick Turner Construction Company Project Executive Cell 617-592-1617

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reader of this message is not the intended recipient, or the employee or agent responsible for delivery of the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately by e-mail and delete the material from any computer. Thank you.



543 Massachusetts Ave, West Acton, MA 01720 www.omr-architects.com t: 978.264.0160

Memorandum

26 July 2012

To: Massachusetts School Building Authority

40 Broad Street, Suite 500

Boston, MA 02109

From: Jeanne Kuespert Roberts, AIA, MCPPO, Principal

OMR Architects, Inc.

Re: Concord Carlisle Regional High School DESE Submission

Design Development Phase

In January 2012, the Concord Carlisle Regional High School District communicated with the Department of Elementary and Secondary Education about their Special Education plan. The conclusions of that communication were submitted in January in a revised and finalized set of Schematic Design building plans, and approved by the DESE prior to the finalization of the Project Funding Agreement in February 2012.

Through the course of the Design Development phase, a series of refinements took place in the building to provide for more functional and effective circulation, adjacencies, and structural, mechanical, electrical and plumbing systems, followed by a value engineering exercise to handle cost overages. During this process the square footage and the functional aspects of the DESE spaces were retained. The following adjacencies though have been tweaked:

- 1. First Floor: OT/PT (with toilet) and Lighthouse traded locations with Pathways due to the space constraints of the further detailed stairway and building restrooms. As a department, they remain integrated and adjacent to the same functions as in SD.
- 2. First Floor: The SPED Secretary/ Waiting area (which is shared with Guidance) traded locations with the SPED Small Conference Room within the suite of offices to have better access to and visibility for visitors from the front lobby. As a department, they remain integrated and adjacent to the same functions as in SD.

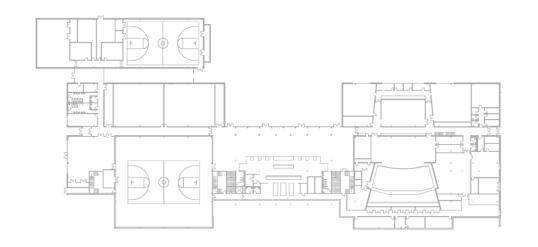
As we head towards completion of the DD phase in mid August 2012, we kindly request that the revised DESE package of drawings and square footages be issued to the DESE with this letter, to ensure that the Department of Elementary and Secondary Education is in agreement with our DD package as it relates to the adjacencies.

Thank you.

DESE — 1st Floor: The DESE approved the location of the SPED program spaces subsequent to the SD Submission and prior to the PFA. The program remains as approved by the January 2012 DESE submission.

As of July 24 2012 budget reconciliation meeting.

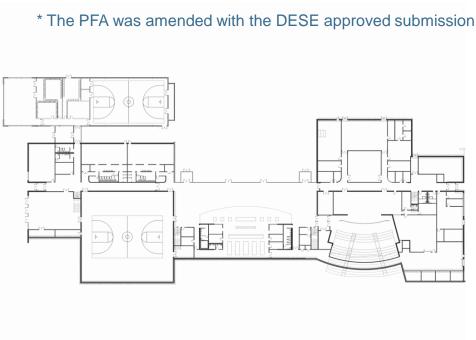
MSBA SCHEMATIC DESIGN SUBMISSION



SPED Program 1st Floor

None

JANUARY 2012 DESE APPROVED SUBMISSION

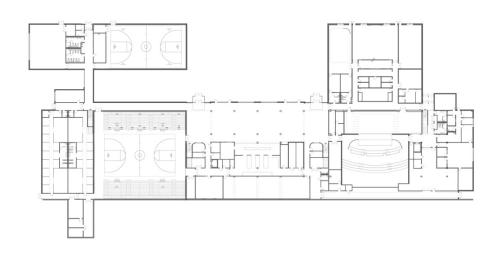


SPED Program 1st Floor

NO FORMAL SUBMISSION MADE FOR THE MARCH DD BASELINE ESTIMATE SET

None

JULY DD ESTIMATE



SPED Program 1st Floor

None



As of July 24 2012 budget reconciliation meeting.

MSBA SCHEMATIC DESIGN SUBMISSION

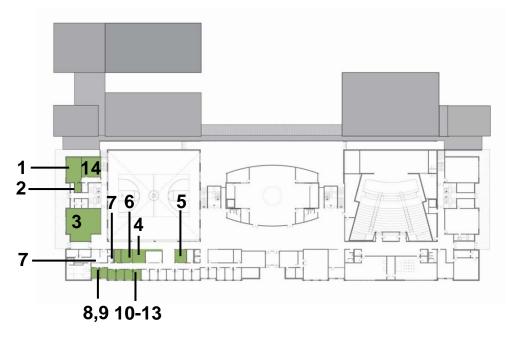
8.9 10-13

SPED Program 2nd Floor

of LD i Togram 2	1 1001
1. OT/PT	1079 n.s.f.
2. SPED Toilet Room	56 n.s.f.
3. SPED Pathways	1030 n.s.f.
4. SPED Secretary/Waiting	350 n.s.f.
5. Small Group Conf.	258 n.s.f.
6. Small Group Conf.	256 n.s.f.
7. SPED Kitchenette	152 n.s.f.
8. SPED Psychologist Off.	100 n.s.f.
9. SPED Psychologist Off.	100 n.s.f.
10. SPED Offices	99 n.s.f.
11. SPED Offices	99 n.s.f
12. SPED Offices	99 n.s.f
13. SPED Offices	99 n.s.f.
14. SPED Resource	503 n.s.f.
15. SPED Workroom	161 n.s.f.

JANUARY 2012 DESE APPROVED SUBMISSION

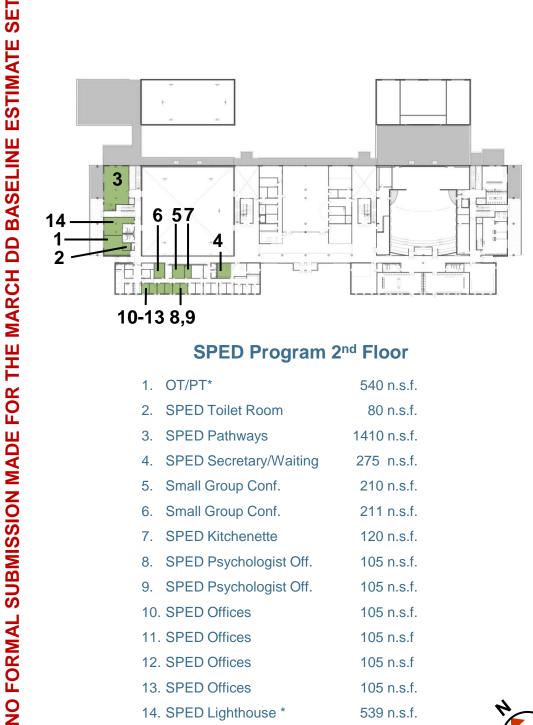
* The PFA was amended with the DESE approved submission



SPED Program 2nd Floor

1.	OT/PT	530 n.s.f
2.	SPED Toilet Room	85 n.s.f
3.	SPED Pathways	1400 n.s.f
4.	SPED Secretary/Waiting	275 n.s.f
5.	Small Group Conf.	210 n.s.f
6.	Small Group Conf.	210 n.s.f
7.	SPED Kitchenette	115 n.s.f
8.	SPED Psychologist Off.	105 n.s.f
9.	SPED Psychologist Off.	105 n.s.f
10.	SPED Offices	105 n.s.f
11.	SPED Offices	105 n.s.f
12.	SPED Offices	105 n.s.f
13.	SPED Offices	105 n.s.f
14.	SPED Lighthouse	525 n.s.f

JULY DD ESTIMATE



SPED Program 2nd Floor

1.	OT/PT*	540 n.s.f.
2.	SPED Toilet Room	80 n.s.f.
3.	SPED Pathways	1410 n.s.f.
4.	SPED Secretary/Waiting	275 n.s.f.
5.	Small Group Conf.	210 n.s.f.
6.	Small Group Conf.	211 n.s.f.
7.	SPED Kitchenette	120 n.s.f.
8.	SPED Psychologist Off.	105 n.s.f.
9.	SPED Psychologist Off.	105 n.s.f.
10.	SPED Offices	105 n.s.f.
11.	SPED Offices	105 n.s.f
12.	SPED Offices	105 n.s.f
13.	SPED Offices	105 n.s.f.
14.	SPED Lighthouse *	539 n.s.f.

* OT/PT and Lighthouse flipped with Pathways due to VE adjusted space considerations. Will confirm with DESE

The DESE approved the location of the SPED program spaces subsequent to the SD Submission and prior to the PFA. The program remains as approved by the January 2012 DESE submission.

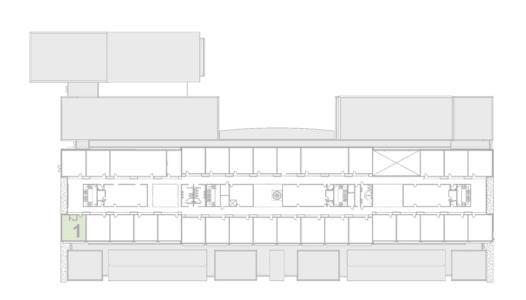
ESTIMATE SET

FOR THE MARCH DD BASELINE

NO FORMAL SUBMISSION MADE

As of July 24 2012 budget reconciliation meeting.

MSBA SCHEMATIC DESIGN SUBMISSION



SPED Program 3rd Floor

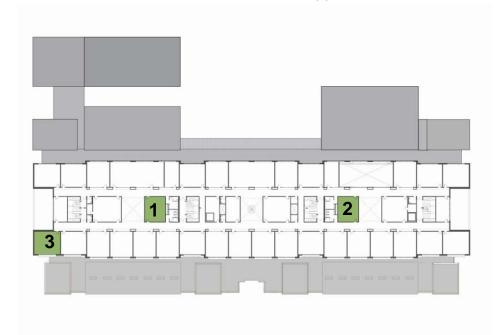
1. SPED Lighthouse

844 n.s.f.

Note: The shared Learning Centers (shared between Core Academic and SPED) were located in the Core Academic Table and were not highlighted as SPED space.

JANUARY 2012 DESE APPROVED SUBMISSION

* The PFA was amended with the DESE approved submission



SPED Program 3rd Floor

Learning Center *

725 n.s.f.

2. Learning Center *

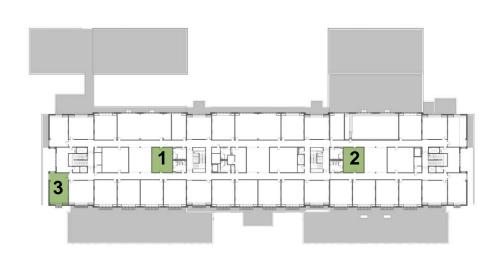
725 n.s.f.

3. SPED Resource Room

825 n.s.f.

Note: *Per DESE discussions, the shared Learning Centers (shared between Core Academic and SPED) are now highlighted as SPED, but are still shown in the core academic table, until further discussion with MSBA.

JULY DD ESTIMATE



SPED Program 3rd Floor

Learning Center *

715 n.s.f.

2. Learning Center *

716 n.s.f.

3. SPED Resource Room

823 n.s.f.

Note: *Per DESE discussions, the shared Learning Centers (shared between Core Academic and SPED) are now highlighted as SPED, but are still shown in the core academic table, until further discussion with MSBA.



The DESE approved the location of the SPED program spaces subsequent to the SD Submission and prior to the PFA. The program remains as approved by the January 2012 DESE submission.

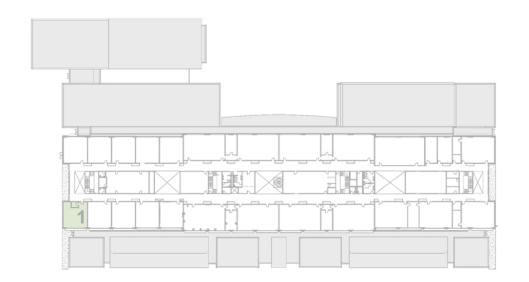
ESTIMATE SET

FOR THE MARCH DD BASELINE

NO FORMAL SUBMISSION MADE

As of July 24 2012 budget reconciliation meeting.

MSBA SCHEMATIC DESIGN SUBMISSION



SPED Program 4th Floor

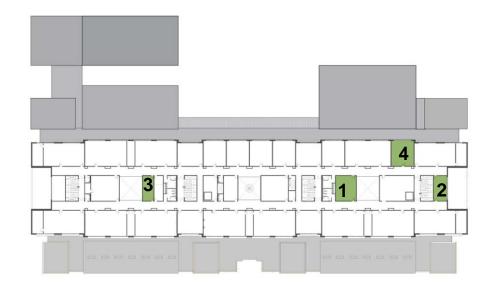
1. Alternate Program

844 n.s.f.

Note: The shared Learning Centers (shared between Core Academic and SPED) were located in the Core Academic Table and were not highlighted as SPED space.

JANUARY 2012 DESE APPROVED SUBMISSION

* The PFA was amended with the DESE approved submission

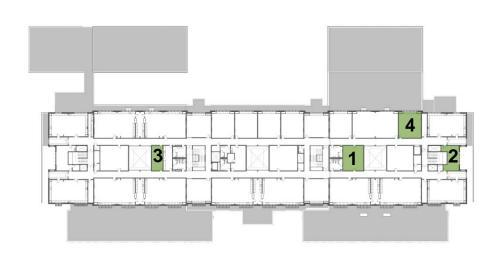


SPED Program 4th Floor

1.	Learning Center *	725 n.s.f.
2.	Learning Center *	475 n.s.f.
3.	Learning Center *	390 n.s.f.
4.	Alternate Program	825 n.s.f.

Note: *Per DESE discussions, the shared Learning Centers (shared between Core Academic and SPED) are now highlighted as SPED, but are still shown in the core academic table, until further discussion with MSBA.

JULY DD ESTIMATE



SPED Program 4th Floor

1.	Learning Center *	717 n.s.
2.	Learning Center *	497 n.s.
3.	Learning Center *	401 n.s.
4.	Alternate Program	827 n.s.f

Note: *Per DESE discussions, the shared Learning Centers (shared between Core Academic and SPED) are now highlighted as SPED, but are still shown in the core academic table, until further discussion with MSBA.



CONCORD PUBLIC SCHOOLS CONCORD-CARLISLE REGIONAL SCHOOL DISTRICT

120 MERIAM ROAD CONCORD, MA 01742 PHONE 978.318 1500 FAX: 978.318.1537 www.concordpublicschools.net

To:

Diana F. Rigby, Superintendent of Schools

From:

John F. Flaherty, Deputy Superintendent

Date:

July 3, 2012

Re:

MSBA Correspondence of June 26, 2012

In response to the MSBA letter dated, June 26, 2012 I am recommending the following motion be voted by the Regional School Committee and the Building Committee to address the concerns noted in the letter from Mary Pichetti, Director of Capital Planning.

<u>Motion</u>

The Concord –Carlisle Regional School Committee certifies that the District acknowledges and agrees that the alternative gym must remain detached from the building and that all costs associated with the alternative gym will be clearly identified and separated from the costs associated with the design and construction of the main building. The District also certifies its understanding that if the District moves forward with a Project Scope, Project Schedule, or Total Project Budget that does not adhere to the project approved by the MSBA, that the MSBA may require the District to:

- Present its revised Project at a meeting of the MSBA's Facilities Assessment Subcommittee
- Seek another vote from the MSBA Board
- Seek additional votes from the Regional School Committee and approvals at Town Meetings of member districts before proceeding any further into design development
- Acknowledge that the MSBA reserves the right to terminate the Project Funding Agreement, and to withhold all future payments to the District, and/or seek recouping payments that have already been made in connection with this Project.

Thank you for consideration of the recommendation. The same language should be voted by the Building Committee as well.

It should be noted that we do not believe there is an impact on the approvals that have been secured from the voters in support of the Project due to schedule delays, redesign efforts and or budget concerns noted in the June 26th MSBA memorandum, as we have not extended our original schedule or incurred actual cost overruns, nor is there an anticipation that we will be seeking additional funds from the Toyons for the project as defined in the MSBA Project Funding Agreement, $\{(2,0), (3,2), (2,0), (3,2), (3$

School Committee/CCHS Building Committee Statement Following the meeting on July 5, 2012

On June 26, 2012, the Massachusetts School Building Authority (MSBA) sent a letter to the School Committee, school administration, and local officials indicating that funding for the Concord-Carlisle High School (CCHS) building project has been suspended. The MSBA cited concerns about the scope of the project, the project budget, and the location of the alternate gym. The letter indicated that the district would need to submit specific information and documentation to restore funding for the project. On July 5, 2012, the Concord-Carlisle Regional School Committee and Building Committee met in a joint session and unanimously voted to fully comply with the MSBA requirements.

The CCHS Building Committee is treating this matter with the utmost seriousness and is responding swiftly and thoughtfully. The Building Committee acknowledged gaps in coordination and communication both within the committee and between the committee and the MSBA. As the project moves from the design and development phase into the construction phase, the Building Committee voted to appoint Stan Durlacher as Chair. Mr. Durlacher is a professional project manger with more than 40 years of experience and leadership in the design and construction industry. He managed the construction of Weston High School and has served as Assistant Secretary of Transportation for the Commonwealth of Massachusetts.

The CCHS Building Committee respects the position of the MSBA and is fully committed to moving the project forward in partnership with the MSBA. The Building Committee has a meeting scheduled with the MSBA on July 16, 2012, and the final response to the MSBA letter, including supporting documentation, will be submitted to the MSBA by July 26, 2012. The committee plans to submit Design Development documents that fully reflect the intent and scope of the previously submitted schematic design, including completely separating the alternate gym from the main school building. The Building Committee reaffirms that the project will meet the original cost projections, and the committee does not anticipate any delay in the overall project completion date due to resolving these issues.

From the beginning, the CCHS building project has been a partnership between the MSBA and the Towns of Concord and Carlisle. The ultimate goal remains: a Concord-Carlisle High School building project that is on time and on budget. The School Committee, Building Committee, and Concord and Carlisle Selectmen are committed to building a school that Concord and Carlisle citizens will be proud of and that will be an asset to our students and to our community.

For more information, go to the CCHS Building Project web site/Important Documents

http://www.cchsbuilding.org/pb/wp_7eacaa7b/wp_7eacaa7b.html
To view the slides from the July 5, 2012 joint meeting, go to
http://www.cchsbuilding.org/pb/documents/docs/July2012.pdf

CCHS Building Committee

CCHS Library Concord, MA 01742 July 5, 2012

Present:

Jeff Adams, Dave Anderson, Peter Badalament, Stan Durlacher, Michelle Ernst, John Flaherty, Tim Hult, Karla Johnson, Peter Nobile, Diana Rigby, Louis Salemy, Sergio Siani, Richard Waterman, Elise Woodward

Also Present:

Brian Dakin, KVA, Lisa Pecora-Ryan, Jeanne Roberts, Leland Koehler/Rice, Michael Rosenfeld, OMR

Absent:

Walter Birge, John Lindner, Brian Miller, Joseph Morahan, Charlie Sample, Bill Tice, Chris Whelan

Call to Order

Karla Johnson called the meeting to order at 6:00 PM.

Superintendent Diana Rigby asked that both school and building committees introduce themselves. Diana thanked all for coming tonight to help address the serious problem with the building project. Diana was surprised and disturbed by the MSBA letter and the suspension of payments. She wants to assure everyone that we will respond swiftly to comply with the MSBA requirements to move the project back on track. She has spoken with Mary Pichetti from MSBA, met with the project team and has scheduled a meeting with MSBA on July 16. The goal this evening for the two committees will be to discuss the MSBA letter, assess what went wrong and discuss an action plan for moving forward. For the last two years, we really worked as a team with the MSBA. The building committee must focus its attention and efforts on following the MSBA requirements. Diana thanked co-chairs Karla Johnson and Jerry Wedge for all the work they had done and regretted accepting Jerry Wedge's resignation from the building committee.

Karla Johnson will lead the discussion "What Went Wrong":

- Mindful of the project goals and trying to maximize the value of the building, we added design elements that were not included in the schematic design submission
 - It is clear from the MSBA letter that we cannot make significant changes to the schematic design
- Coordination within the project team was ineffective to catch the estimated cost overrun early on in the design development phase
- · We moved the second gym from the schematic design submission and attached it to the building
 - This was done to save money and improve the functionality of the building
 - It is clear from the MSBA letter that we cannot make significant changes to the schematic design

II. June 2012 MSBA Letter

On June 26, 2012 the MSBA sent a letter to the district indicating that funding for the Concord-Carlisle High School building project has been suspended. The MSBA has determined that the Project Scope, Project Schedule, and Total Project Budget as presented by the District and its professional consultants are not in compliance with the terms of the Project Funding Agreement (PFA) executed by and between the District and the MSBA on February 3, 2012. Summary of MSBA Letter:

- Design development needs to be in compliance with the Schematic Design and the Project Funding Agreement
- Alternative gym must be a separate building.
- State wants a response to the nine listed items in the letter by July 26, 2012
- · State wants a vote from the School Building Committee supporting the MSBA requirement and expectations
- District needs to prove to the MSBA it can get back on track
 - Changes are necessary in how we operate
 - Design needs to reflect Schematic Design
 - Comply or no funding

Moving forward the committee is taking steps to get back on track. Project Manager Brian Dakin of KVA will increase coordination and communication among the Project Team members and Project Manager Jeanne Roberts for the architects. There will be more communication between the building committee and the project team. Subcommittees will be more involved in the process. The building committee consists of a talented group of individuals and everyone needs to participate. We need to utilize the subcommittee structure to the fullest: Finance, Communications, Design (Karla Johnson will chair this subcommittee), Integrated Design Team (Peter Nobile and Sergio Siani). The building committee needs to demonstrate that the design project can be well managed.

As we move from Design Development phase to the construction phase of the project, this is an appropriate time to change leadership. New leadership with design and construction expertise is required to take us through the next phase of the project. The building committee will vote to appoint Stan Durlacher as Chair of the Building Committee. Stan is a professional project manager with more than 40 years of executive leadership in the design and construction industry. Stan was invited to share his background with the committee. His task will be to deliver a

building within the scope, budget and schedule that has been agreed to with the MSBA. He said he would utilize the subcommittee structure to the fullest and tap into the expertise on the committee.

III. Action Items:

 A motion was made to elect Stan Durlacher to chair the CCHS Building Committee. So moved by Michelle Ernst and seconded by Dave Anderson. The motion was unanimously approved.

IV. Action plan and response to MSBA:

Stan Durlacher will outline in very specific detail to the MSBA what changes are being made to the project management process to assure positive change going forward, will respond in detail to every line item in the MSBA letter, will reaffirm education specification and program to Schematic Design and reaffirm system costs to Schematic Design. Durlacher stressed that the building would be completed on time and within project budget. There are five things that he will spend time on: Educational program, budget, schedule, scope and strict compliance with the PFA document.

In response to the MSBA letter dated June 26, 2012 the following motion was made:

Motion: The CCHS Building Committee certifies that the District acknowledges and agrees that the alternative gym must remain detached from the building and that all costs associated with the alternative gym will be clearly identified and separated from the costs associated with the design and construction of the main building. The District also certifies its understanding that if the District moves forward with a Project Scope, Project Schedule, or Total Project Budget that does not adhere to the project approved by the MSBA, that the MSBA may require the District to:

- · Present its revised Project at a meeting of the MSBA's Facilities Assessment Subcommittee
- Seek another vote from the MSBA Board
- Seek additional votes from the Regional School Committee and approvals at Town Meetings of member districts before proceeding any further into design development
- Acknowledge that the MSBA reserves the right to terminate the Project Funding Agreement, and to withhold all
 future payments to the District, and/or seek recouping payments that have already been made in connection with
 this project.

So moved by Jeff Adams and seconded by Sergio Siani. The motion was unanimously approved.

It should be noted that we do not believe there is an impact on the approvals that have been secured from the voters in support of the Project due to schedule delays, redesign efforts and or budget concerns noted in the June 26, 2012 MSBA memorandum, as we have not extended our original schedule or incurred actual cost overruns, nor is there an anticipation that we will be seeking additional funds from the Towns for the project as defined in the MSBA Project Funding agreement dated February 3, 2012.

V. Public Comments:

Several people asked questions and made comments regarding concerns with the OPM and Architect, communication issues, impact on DEP findings, questions on the second gym.

VI. Adjourn:

A motion was made to adjourn by Elise Woodward and seconded by Jeff Adams at 8:01 PM. The motion was unanimously approved.

Respectfully submitted, Leona Palmaccio



CCHS Building Committee Meeting

Thursday, July 5, 2012

Timeline

August 2011 Schematic Design submitted to MSBA

September 2011 Project Scope and Budget Agreement (PSBA)

and MSBA Board Approval

November 2011 Town meetings and votes

December 2011 Project Funding Agreement (PFA) executed

and Design Development (DD) phase began

February 2012 DESE approval and Turner Construction

selected as Construction Manager at Risk

March - May 2012 DD costs estimated and reconciled with OMR

and Turner

Value engineered (VE) DD costs to align with

project budget



Timeline (cont'd)

June 14 MSBA meeting to discuss project scope and

VE progress as reported in April 2012

monthly status report

July 16 Project Team meeting with MSBA

July 26 Letter response (9 items) Submittal

August 15 Design Development Submittal



What Went Wrong

Mindful of the project goals and trying to maximize the value of the building, we added design elements that were not included in the schematic design submission

 It is clear from the MSBA letter that we cannot make significant changes to the schematic design

Coordination within the project team was ineffective to catch the estimated cost overrun early on in the design development phase

We moved the second gym from the schematic design submission and attached it to the building

- This was done to save money and improve the functionality of the building
- It is clear from the MSBA letter that we cannot make significant changes to the schematic design



Summary of MSBA Letter

Design development needs to be in compliance with the Schematic Design and the Project Funding Agreement (PFA)

Alternative gym must be a separate building

State wants a response to the nine listed items in the letter by July 26

State wants a vote from the School Building Committee supporting the MSBA requirements and expectations

District needs to prove to the MSBA it can get back on track

- Changes are necessary in how we operate
- Design needs to be reflect Schematic Design
- Comply or no funding



Action Items-Building Committee

Reinstatement of the MSBA Reimbursement

- Demonstrate that the design process can be well managed
- Build credibility with the project stakeholders

Realignment of Project Team

- Architect
 - increased involvement by Project Manager Jeanne Roberts
- Owner Project Manager
 - Brian Dakin will increase coordination among team members
- Owner
 - change in building committee leadership
- Construction Manager
 - Continued involvement in DD/CD



Building Committee Leadership

Jerry Wedge and Karla Johnson have served the building committee well in their leadership these past two years

- Under their leadership, we successfully completed the Feasibility
 Study and Schematic Design phases of the MSBA project
- As architects, they have successfully overseen the crucial Design Development phase of the project

As we move from Design Development phase to the construction phase of the project, this is an appropriate time to change leadership

 New leadership with design and construction expertise is required to take us through the next phase of the project



Stan Durlacher

40+ years of executive leadership in the design and construction industry.

Currently, Founder and CEO of Capstone XRM, a large scale project management software firm.

Founder of Carlisle Consulting Group, Inc.

- Owners Project Management Firm
- Weston High School, Middle School, and two Elementary school projects.
- Millennium Pharmaceuticals Headquarters, Cambridge
- Northeast Proton Therapy Center and Yawkey Center

Former Assistant Secretary of Transportation, State of MA

Former Director of Design and Construction, Trammell Crow Company



Committee Realignment

Talented group of individuals make up the CCHS BC. Everyone needs to participate

draw upon embedded expertise of committee members

Utilize subcommittee structure to the fullest

- -Finance
- -Communications
- -Design (new)
- -Integrated Design Team



Proposed Actions-MSBA Letter

Outline in very specific detail to the MSBA what changes are being made to the project management process to assure positive change going forward

Respond in detail to every line item in the MSBA letter

Assign consultant to each bullet point in MSBA letter

Reaffirm education specification and program to Schematic Design

Reaffirm system costs to Schematic Design



What Will Change Going Forward

Strengthen coordination between

- Education program
- Budget
- Schedule
- Scope
- Strict compliance with PFA

Improved process control between Owner, Architect, CM, and OPM

Improved communications with the MSBA and all stakeholders



Summary

- We are **not** seeking any additional money from the community
- We are **not** behind schedule versus our original plan
- No material changes have been made to the educational program to bring the building back into alignment with the budget
- MASS CHPS have **not** been compromised
- The building design has improved through this process
- No additional fees have been incurred subsequent to the initial set of drawings
- We pursued the second gym design change to save money and also improve its functionality. We fully understand the state's view and will abandon these changes
- Our project team believes that the project has been brought into alignment with the budget, Schematic Design and PFA
- We are on schedule to submit the design development package to the MSBA on August 15



CONCORD PUBLIC SCHOOLS

CONCORD-CARLISLE REGIONAL SCHOOL DISTRICT

120 MERIAM ROAD CONCORD, MA 01742 PHONE: 978.318.1500 FAX: 978.318.1537 www.concordpublicschools.net

July 25, 2012

Mary Pichetti Director of Capital Planning Massachusetts School Building Authority 40 Broad Street, Suite 500 Boston, MA 02109

Dear Ms. Pichetti:

In response to item #8 on your letter dated June 26, 2012, the District (represented by myself and High School Building Committee Chairperson Stanley Durlacher) is available to meet on any date that works for you and the MSBA, provided that you allow 1 week notice so that we can coordinate schedules accordingly.

Per phone conversations, we understand that you intend this meeting to occur after the formal Design Development deliverable package to the MSBA. We are currently targeting mid-August to deliver this package, and we look forward to meeting with you as requested and at your convenience.

Sincerely,

Diana F. Rigby

Superintendent of Schools

Concord-Carlisle Regional School District

CONCORD PUBLIC SCHOOLS CONCORD-CARLISLE REGIONAL SCHOOL DISTRICT

120 MERIAM ROAD CONCORD, MA 01742 PHONE 978.318 1500 FAX: 978.318.1537 www.concordpublicschools.net

To:

Diana F. Rigby, Superintendent of Schools

From:

John F. Flaherty, Deputy Superintendent

Date:

July 3, 2012

Re:

MSBA Correspondence of June 26, 2012

In response to the MSBA letter dated, June 26, 2012 I am recommending the following motion be voted by the Regional School Committee and the Building Committee to address the concerns noted in the letter from Mary Pichetti, Director of Capital Planning.

Motion

The Concord –Carlisle Regional School Committee certifies that the District acknowledges and agrees that the alternative gym must remain detached from the building and that all costs associated with the alternative gym will be clearly identified and separated from the costs associated with the design and construction of the main building. The District also certifies its understanding that if the District moves forward with a Project Scope, Project Schedule, or Total Project Budget that does not adhere to the project approved by the MSBA, that the MSBA may require the District to:

- Present its revised Project at a meeting of the MSBA's Facilities Assessment Subcommittee
- Seek another vote from the MSBA Board
- Seek additional votes from the Regional School Committee and approvals at Town Meetings of member districts before proceeding any further into design development
- Acknowledge that the MSBA reserves the right to terminate the Project Funding Agreement, and to withhold all future payments to the District, and/or seek recouping payments that have already been made in connection with this Project.

Thank you for consideration of the recommendation. The same language should be voted by the Building Committee as well.

It should be noted that we do not believe there is an impact on the approvals that have been secured from the voters in support of the Project due to schedule delays, redesign efforts and or budget concerns noted in the June 26th MSBA memorandum, as we have not extended our original schedule or incurred actual cost overruns, nor is there an anticipation that we will be seeking additional funds from the Toyons for the project as defined in the MSBA Project Funding Agreement, { (2003) 2003 (2003)

6. List **ONLY** Those Prime And Sub-Consultant Personnel Specifically Requested In The Advertisement. This Information Should Be Presented Below In The Form Of An Organizational Chart. Include Name Of Firm And Name Of The One Person In Charge Of The Discipline, With Mass. Registration Number, As Well As MBE/WBE Status, If Applicable:

Concord-Carlisle Regional School District

High School Building Committee / Concord-Carlisle School Committee

Owner's Project Manager KVAssociates

Prime Consultant: Architecture OMR Architects, Inc.

Design Director/ President: Michael Rosenfeld, FAIA, LEED® AP, MA Reg. #4176, MCPPO Certified Managing Principal/ Public Sector Projects: Martin A. Kretsch, AIA, LEED® AP, MA Reg. #3139, MCPPO Certified

Principal-in-Charge/ Senior Project Manager:

Jeanne Kuespert Roberts, AIA, MA Reg #8846, MCPPO Certified

Project Manager:

Lisa Pecora-Ryan, RA, NCARB, LEED® AP, MCPPO Certified

Project Designer: Leland Koehler/ Rice
Technical Director: Ron Steffek, RA, Principal
Job Captain: James Forrest, RA, NCARB, LEED® AP
Quality Assurance: Leigh Sherwood, AIA, LEED® AP, Principal

Discipline	Name of Firm	Project Manager	MA Reg. #	MBE/WBE
Environmental Permitting	Nitsch Engineering	Sandra A. Brock, PE, CFM, LEED® AP	39417	WBE
Hazardous Materials	CDW Consultants, Inc.	Kathleen Campbell, PE, LSP, LEED® AP	39420 (PE); 9984 (LSP)	MBE, WBE
Civil Engineering/Site Surveying	Nitsch Engineering	Sandra A. Brock, PE, CFM, LEED® AP	39417	WBE
Structural Engineering	Foley Buhl Roberts & Associates, Inc.	Jonathan D. Buhl, PE	30173	
Landscape Architecture	Brown Sardina, Inc.	William Brown	1070	
Fire Protection Engineering	Garcia, Galuska, DeSousa, Inc.	Christopher M. Garcia, PE	45034	MBE
Plumbing Engineering	Garcia, Galuska, DeSousa, Inc.	Christopher M. Garcia, PE	45034	MBE
HVAC Engineering	Garcia, Galuska, DeSousa, Inc.	Dominick Puniello, PE, CEM, LEED® AP	48326	MBE
Electrical Engineering	Garcia, Galuska, DeSousa, Inc.	Carlos G DeSousa, PE	41003	MBE
Data / Communications/Technology/Security	Garcia, Galuska, DeSousa, Inc.	Carlos G DeSousa, PE	41003	MBE
Food Service Consultant	Colburn & Guyette	Todd Guyette	N/A	MBE
Laboratory Consultant	OMR Architects, Inc./In-House	Lisa Pecora-Ryan, RA, NCARB, LEED® AP	NCARB Cert. #73664	
Acoustical Consultant	Acentech. Inc.	Christopher Savereid	N/A	
Specifications Consultant	Kalin Associates, Inc.	Mark Kalin, LEED® AP	4657 (Arch); CCS	
Library/ Media Consultant	OMR Architects, Inc./In-House	Jeanne Kuespert Roberts, AIA	8846	
Theatrical Consultant	Don Hirsch Design Studios	Don Hirsch	N/A	
Sustainable/Green Design/Renewable Energy	KEMA, Inc.	Andrea Ranger	N/A	
Cost Estimating	DG Jones International, Inc.	Charles McGrory	N/A	
Accessibility Consultant	Kessler McGuinness Associates, Inc.	David Kessler	N/A	
Furniture, Fixtures and Equipment	MoharDesign, LLC	Victoria Mohar, IIDA, LEED® AP	014935	WBE
Code Consultant	Harold A. Cutler, PE	Harold A. Cutler, PE	29096	
Educational Programming	OMR Architects, Inc./In-House	Jeanne Kuespert Roberts, AIA	8846	
Geotechnical Consultant	Nobis Engineering Inc.	Kurt Jelinek, PE	45929 (Civil)	
Daylighting Consultant	Ripman Lighting Consultants	Christopher Ripman, RA, LEED® AP	4517 (Arch)	
Building Envelope Consultant	Wiss Janney Elstner Associates Inc.	Wagdy Anis, FAIA, LEED® AP	N/A	

7.	Brief Resume Of ONLY Those Prime Applicant And Sub-Consultant Personnel Requested In The Advertisement. Confine Responses To The Space Provided On The Form And Limit Resumes To ONE Person Per Discipline Requested In The Advertisement. Resumes Should Be Consistent With The Persons Listed On The Organizational Chart In Question # 6. Additional Sheets Should Be Provided Only As Required For The Number Of Key Personnel Requested In The Advertisement And They Must Be In The Format Provided. By Including A Firm As A Sub-Consultant, The Prime Applicant Certifies That The Listed Firm Has Agreed To Work On This Project, Should The Team Be Selected.					
a.	Name And Title Within Firm: Michael Rosenfeld, FAIA, LEED® AP, MCPPO Certified, President	a.	Name And Title Within Firm: Martin A. Kretsch, AIA, LEED® AP, MCPPO Certified, Principal			
b.	Project Assignment: Design Director	b.	Project Assignment: Managing Principal/ Public Sector Projects			
C.	Name And Address Of Office In Which Individual Identified In 7a Resides:	C.	Name And Address Of Office In Which Individual Identified In 7a Resides:			
	Omrarchitects _{Inc} 543 Massachusetts Avenue West Acton, MA 01720 MBE WBE		Omrarchitects _{inc} 543 Massachusetts Avenue West Acton, MA 01720			
d.	Years Experience: With This Firm: 37 With Other Firms: 3	d.	Years Experience: With This Firm: 15 With Other Firms: 28			
e.	Education: Degree(s) /Year/Specialization M. Arch. / 1972 / Harvard University GSD B.A. / 1968 / University of Wisconsin	e.	Education: Degree(s) /Year/Specialization B. Arch. / 1966 / Cornell University			
f.	Active Registration: Year First Registered/Discipline/Mass Registration Number 1976 / Architecture / MA Reg. #4176	f.	Active Registration: Year First Registered/Discipline/Mass Registration Number 1971 / Architecture / MA #3139			
g.	Current Work Assignments And Availability For This Project: Michael Rosenfeld guides and oversees progress on design work for all OMR projects.	g.	Current Work Assignments And Availability For This Project: Martin Kretsch is the Managing Principal of OMR operations and all public sector work and is currently principal-in-charge of the JFK Middle School project in Hudson, MA.			
h.	Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Michael Rosenfeld, FAIA, LEED® AP is the founder and president of OMR. Mr. Rosenfeld is responsible for the design direction of all OMR construction projects, feasibility studies, and master plans, some of which include: JFK Middle School, Hudson, MA Brighter Choice Charter Middle School, Albany, NY Forest Grove Middle School, Worcester, MA Lincoln K-8 School, Lincoln, MA Tenney K-8 School, Methuen, MA Marsh K-8 School, Methuen, MA Timony K-8 School, Methuen, MA R.J. Grey Junior High School, Acton, MA Hopedale Junior/Senior High School, Hopedale, MA West Boylston Middle / High School, Hopedale, MA Longmeadow High School, Longmeadow, MA Concord-Carlisle High School, Concord, MA Lincoln-Sudbury Regional High School, Sudbury, MA Willard Elementary School, Concord, MA Parker Damon "Twin" Elementary School, Acton, MA	h.	Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Martin Kretsch's career in Massachusetts public work spans 35 years. Mr. Kretsch has served as Managing Principal of all OMR public work since 1996. He is an expert of Chapter 149 and all MSBA issues. Mr. Kretsch is a MCPPO Certified Project Designer and has served as Principal-in-Charge on many public construction projects, feasibility studies, and master plans, some of which include: Forest Grove Middle School, Worcester, MA R.J. Grey Junior High School, Acton, MA Tenney K-8 School, Methuen, MA Marsh K-8 School, Methuen, MA Timony K-8 School, Methuen, MA Hopedale Junior/Senior High School, Hopedale, MA West Boylston Middle / High School, West Boylston, MA Longmeadow High School, Longmeadow, MA Lincoln-Sudbury Regional High School, Sudbury, MA Willard Elementary School, Concord, MA Parker Damon "Twin" Elementary School, Acton, MA			

7.	Brief Resume Of ONLY Those Prime Applicant and Sub-Consultant Personnel Requested In The Advertise Discipline Requested In The Advertisement. Resumes Should Be Consistent With The Persons Listed On Number Of Key Personnel Requested In The Advertisement and They Must Be In The Format Provided. By On This Project, Should The Team Be Selected.	The Or / Includ	ganizational Chart In Question # 6. Additional Sheets Should Be Provided Only As Required For The ding A Firm As A Sub-Consultant, The Prime Applicant Certifies That The Listed Firm Has Agreed To Work
a.	Name and Title Within Firm: Jeanne Kuespert Roberts, AIA, MCPPO Certified, Principal	a.	Name and Title Within Firm: Lisa Pecora-Ryan, RA, NCARB certified, LEED® AP, MCPPO Certified
b.	Project Assignment: Principal-in-Charge/ Senior Project Manager	b.	Project Assignment: Project Manager
C.	Name and Address Of Office In Which Individual Identified In 7a Resides:	C.	Name and Address Of Office In Which Individual Identified In 7a Resides:
	Omrarchitects _{inc} 543 Massachusetts Avenue West Acton, MA 01720 MBE WBE		Omrarchitects _{Inc} 543 Massachusetts Avenue West Acton, MA 01720
d.	Years Experience: With This Firm: 5 With Other Firms: 20	d.	Years Experience: With This Firm: 14 With Other Firms: 5
e.	Education: Degree(s) /Year/Specialization	e.	Education: Degree(s) /Year/Specialization
	M. Arch. / 1988 / University of Pennsylvania, Philadelphia, PA Bachelor of Environmental Design/ 1985/ Miami University, Oxford, OH		B.F.A., Design, University of Massachusetts/Amherst,1994
f.	Active Registration: Year First Registered/Discipline/Mass Registration Number	f.	Active Registration: Year First Registered/Discipline/Mass Registration Number:
	1992 / Architecture / MA #8846		2003 / Architecture / VT Reg #2639; NCARB certified (Cert. #73664)
g.	Current Work Assignments and Availability For This Project:	g.	Current Work Assignments and Availability For This Project:
	 Concord-Carlisle High School, Concord, MA Lincoln School, Lincoln, MA Longmeadow High School, Longmeadow, MA (in construction) 		Concord-Carlisle High School, Concord, MA
	Cardigan Mountain School Dining Commons, Canaan, NH (in construction)		
h.		h.	Other Experience and Qualification Relevant To The Proposed Project: (Identify Firm By Which Employed , If Not Current Firm):

7.	Brief Resume Of ONLY Those Prime Applicant and Sub-Consultant Personnel Requested In The Adverbiscipline Requested In The Advertisement. Resumes Should Be Consistent With The Persons Listed Consistent With The Persons Listed Consumber Of Key Personnel Requested In The Advertisement and They Must Be In The Format Provided. Work On This Project, Should The Team Be Selected.	n The	Organizational Chart In Question # 6. Additional Sheets Should Be Provided Only As Required For The
a.	Name And Title Within Firm:	a.	Name And Title Within Firm:
	Leland Koehler/Rice		Ron Steffek, RA, Principal
b.	Project Assignment: Project Designer	b.	Project Assignment: Technical Director
C.	ne And Address Of Office In Which Individual Identified In 7a Resides:		Name And Address Of Office In Which Individual Identified In 7a Resides:
	Omrarchitects inc 543 Massachusetts Avenue West Acton, MA 01720 MBE WBE		Omrarchitects inc 543 Massachusetts Avenue West Acton, MA 01720 MBE WBE
d.	Years Experience: With This Firm: 7 With Other Firms: 5	d.	Years Experience: With This Firm: 14 With Other Firms: 36
e.	Education: Degree(s) /Year/Specialization Boston Architectural College / 2000-2003	e. Education: Degree(s) /Year/Specialization Architecture / 1958-1962 / Ohio State University Arch. Engineering / 1957 / Ohio University	
f.	Active Registration: Year First Registered/Discipline/Mass Registration Number NA	f.	Active Registration: Year First Registered/Discipline/Mass Registration Number 1976 / Architecture / MA Reg. #4209
g.	Current Work Assignments And Availability For This Project:	g.	Current Work Assignments And Availability For This Project:
	Concord-Carlisle High School, Concord, MA		 Concord-Carlisle High School, Concord, MA Longmeadow High School, Longmeadow, MA (CA Quality Assurance) JFK Middle School, Hudson, MA (CA Quality Assurance)
h.	Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): In addition to being a graduate of Concord Carlisle High School, Mr. Koehler/Rice has 12 years of design experience including the following: Concord-Carlisle Regional High School Master Plan, Concord, MA Willard Elementary School, Concord, MA Ethel Walker School, Simsbury, CT – Wellness Center Green Farms Academy, Greens Farms, CT – Science classrooms and laboratories (phased construction) – Grades 6-12 West Actor Village Ecology, Acton, MA Houston Christian High School, Houston, MA – Consulting for Learning Commons Good Shepherd Day Care Center, Milford, CT Paige Library, Hardwick, MA	h.	Other Experience And Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Ron Steffek has extensive experience as an award-winning project manager and technical director. He has worked on educational projects since 1984. In addition to his current projects (above) some of Mr. Steffek's public projects include: R.J. Grey Junior High School, Acton, MA Willard Elementary School, Concord, MA Parker Damon Bldg. "Twin" Elementary School, Acton, MA Lincoln-Sudbury Regional High School, Sudbury, MA Methuen Army National Guard Training Center, Methuen, MA University of Massachusetts, Boston, MA: New 365,000 sf student center (KMW Arch) Private educational projects include: Greens Farms Academy, Westport, CT: 3 phase add/reno- performing arts & science bldg Northwestern Connecticut Community College, Winsted, CT: New science, art, stud ctr. Milton Academy, Milton, MA: Performing Arts Center (KMW Arch) Yale Law School, New Haven, CT: Classroom/ Office Addition/ renovations (KMW Arch) Harvard Law School, Cambridge, MA: Faculty office and classroom building (KMW Arch)

Discipline Requested In The Advertisement. Resumes Should Be Consistent With The Persons Listed On Number Of Key Personnel Requested In The Advertisement and They Must Be In The Format Provided. By	The Or	rganizational Chart In Question # 6. Additional Sheets Should Be Provided Only As Required For The
Name and Title Within Firm: James R. Forrest, RA, NCARB certified, LEED® AP	a.	Name and Title Within Firm: Leigh Sherwood, AIA, LEED® AP, Principal
Project Assignment: Job Captain	b.	Project Assignment: Quality Assurance
Name and Address Of Office In Which Individual Identified In 7a Resides:	C.	Name and Address Of Office In Which Individual Identified In 7a Resides:
Omrarchitects 543 Massachusetts Avenue West Acton, MA 01720		Omrarchitects Inc. 543 Massachusetts Avenue West Acton, MA 01720 MBE WBE
Years Experience: With This Firm: 7 With Other Firms: 7	d.	Years Experience: With This Firm: 8 With Other Firms: 18
Education: Degree(s) /Year/Specialization	e.	Education: Degree(s) /Year/Specialization
B Arch. / 1997 / Roger Williams University		M. Arch. / 1996 / Yale University, Graduate School of Architecture, Post- Professional Degree 'Advanced Design Studies' B. Arch. / 1986 / Syracuse University School of Architecture
Active Registration: Year First Registered/Discipline/Mass Registration Number	f.	Active Registration: Year First Registered/Discipline/Mass Registration Number:
2006 / Architecture / RI Reg #3033; NCARB certified		1997 / Architecture / MA #9914
Current Work Assignments and Availability For This Project:	g.	Current Work Assignments and Availability For This Project:
Concord-Carlisle High School, Concord, MA		 Concord-Carlisle High School, Concord, MA JFK Middle School, Hudson, MA (in construction) Ethel Walker School, Centennial Wellness Center, Simsbury, CT
Other Experience and Qualification Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm):	h.	Other Experience and Qualification Relevant To The Proposed Project: (Identify Firm By Which Employed , If Not Current Firm):
Mr. Forrest has worked through all phases of projects from schematic design to construction administration. Recent examples of his experience include:		Mr. Sherwood has 26 years of design and quality assurance experience including the following examples of his work:
 JFK Middle School, Hudson, MA Verrill Farm, Concord, MA Greens Farms Academy (Phases 1 and 2), Greens Farms, CT Vermont Academy, Saxtons River, VT Good Shepherd Day Care Center, Milford, CT New Hampton School, New Hampton, NH Brighter Choice Charter Middle Schools, Albany, NY 		 Brighter Choice Charter Middle School, Albany, NY Lowell Community Charter Public School, Lowell, MA Waldorf School of Lexington, K-8, Master Plan, Lexington, MA Greens Farms Academy Middle School and High School, Greens Farms, CT Cathedral High School, Boston, MA New Hampton School (Science and Technology Bldg), New Hampton, NH Dedham Country Day School, Dedham, MA Cheshire Academy, Student Activities/Athletics Complex, Cheshire, CT New Hampton School, Meservey Hall, New Dorms, Hockey Rink, New Hampton, CT Paige Memorial Library, Hardwick, MA Dedham Senior Center, Dedham, MA Good Shepherd Day Care Center, Milford, CT
	Discipline Requested in The Advertisement. Resumes Should Be Consistent With The Persons Listed On Number Of Key Personnel Requested in The Advertisement and They Must Be in The Format Provided. B' On This Project, Should The Team Be Selected. Name and Title Within Firm: James R. Forrest, RA, NCARB certified, LEED® AP Project Assignment: Job Captain Name and Address Of Office In Which Individual Identified In 7a Resides: Omrarchitects MBE	Name and Title Within Firm: James R. Forrest, RA, NCARB certified, LEED® AP Project Assignment: Job Captain Name and Address Of Office In Which Individual Identified In 7a Resides: Omrarchitects.inc 543 Massachusetts Avenue West Acton, MA 01720 Years Experience: With This Firm: 7 With Other Firms: 7 d. Education: Degree(s) // Year/Specialization B Arch. / 1997 / Roger Williams University Active Registration: Year First Registered/Discipline/Mass Registration Number 2006 / Architecture / RI Reg #3033; NCARB certified Current Work Assignments and Availability For This Project: Concord-Carlisle High School, Concord, MA Other Experience and Qualification Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Mr. Forrest has worked through all phases of projects from schematic design to construction administration. Recent examples of his experience include: JFK Middle School, Hudson, MA Verrill Farm, Concord, MA Yerrill Farm, Concord, MA Greens Farms Academy (Phases 1 and 2), Greens Farms, CT Vermont Academy, Saxtons River, VT Good Shepherd Day Care Center, Milford, CT New Hampton School, New Hampton, NH

CONCORD PUBLIC SCHOOLS CONCORD-CARLISLE REGIONAL SCHOOL DISTRICT

120 MERIAM ROAD

CONCORD, MA 01742

PHONE: 978.318.1500

FAX: 978.318.1537

www.concordpublicschools.net

July 10, 2012

Katie DeCristofaro Massachusetts School Building Authority 40 Broad Street, Suite 500 Boston, MA 02109

Dear Ms. DeCristofaro:

In accordance with 963 CMR 2.00, attached for your review and approval is the updated membership of the School Building Committee for Concord-Carlisle Regional School District. The Committee was formed in accordance with the provisions of all applicable statutes, local charters, by-laws and agreements of Concord-Carlisle Regional School District. Committee members include the following:

(Please provide name, title, address and phone number of each member. Also, please indicate whether the member has voting power. Some categories may have more than one name. All members must be included)

Designation	Name and Title	Email Address and Phone Number	City or Town Resident	Voting Member
SBC member who is	John Flaherty	jflaherty@colonial.net	District	Yes
MCPPO certified	Karla Johnson	kjohnson@johnson-roberts.com	Carlisle	Yes
Local Chief Executive Officer	Diana Rigby	drigby@colonial.net	District	Yes
Administrator or Manager*	Chris Whelan	cwhelan@concordma.gov	Concord	Yes
School Committee Member (minimum of one)	Louis Salemy	Louis.salemy@mtscap.com	Carlisle	Yes
Superintendent of Schools	Diana Rigby	drigby@colonial.net	District	Yes
Local Official responsible for Building Maintenance	David Anderson	danderson@colonial.net	District	Yes
Representative of Office authorized by law to construct school buildings	David Anderson	danderson@colonial.net	District	Yes
School Principal	Peter Badalament	pbadalament@colonial.net	District	Yes
Member knowledgeable in education mission and function of facility	Diana Rigby Peter Badalament	drigby@colonial.net pbadalament@colonial.net	District District	Yes Yes
Local budget official or member of local finance committee	John Flaherty	jflaherty@colonial.net	District	Yes
Members of community with architecture, engineering and/or construction experience	Jeff Adams *Stan Durlacher Peter Nobile Charlie Sample Sergio Siani Elise Woodward Richard Waterman	jeff@jwadamsinc.com Stan.durlacher@gmail.com pnobile@lda-architects.com charliesample@comcast.net SergioS@NS-Engineering.com ewoodward@concordma.gov RW@shawmut.com	Concord Carlisle Concord Concord Concord Concord Concord	Yes Yes Yes Yes Yes Yes
Other: Please provide brief background info/expertise	Walter Birge, Education & former Finance Committee	wbirge@earthlink.net	Concord	Yes

	Michelle Ernest, Marketing-	mpernst@comcast.net	Concord	Yes
	communications			
	Tim Hult, Board of Selectman	timhult@aol.com	Carlisle	Yes
	John Lindner, CCHS Teacher	jlindner@colonial.net	District	Yes
Will be appointed fall 2012	CCHS Teacher		District	Yes
	Joseph Morahan, Police Sergeant	jmorahan@concordma.gov	Concord	Yes
	Bill Tice, Carlisle Selectman	William R Tice-Jr@raytheon.com	Carlisle	Yes
Will be appointed fall 2012	CCHS Student		District	Yes

^{*} Stan Durlacher, Committee Chair as of July 5, 2012

Listed below is the past performance of the school building committee, the building committee (temporary or permanent), or any other committee responsible for oversight, management, or administration of the construction of public buildings and its individual members:

The Concord-Carlisle Regional School District and the Concord Public Schools administration and school committees participate in management and oversight of projects in each school district. The Concord Public Schools have benefited from construction of three new elementary schools since 2004. The Concord-Carlisle Regional School District has not had a construction project in recent history that required a building committee; however, two members of the administration, Superintendent Diana Rigby and Facilities Manager David Anderson have been key participants in the Concord Public School projects which have been completed within budget and on schedule, will be serving on the Concord-Carlisle High School Building Committee.

Additionally, several members of the appointed CCHS Building Committee have also served on the recent CCHS Master Plan Study Committee and the 2005 Feasibility Study.

After approval of this committee by the Authority, Concord-Carlisle Regional School District will notify the Authority in writing within 20 calendar days of any changes to the membership or the duties of said committee.

Sincerely,

Authorized Signature for Concord-Carlisle Regional School District

Fabian Fondriest, Chair

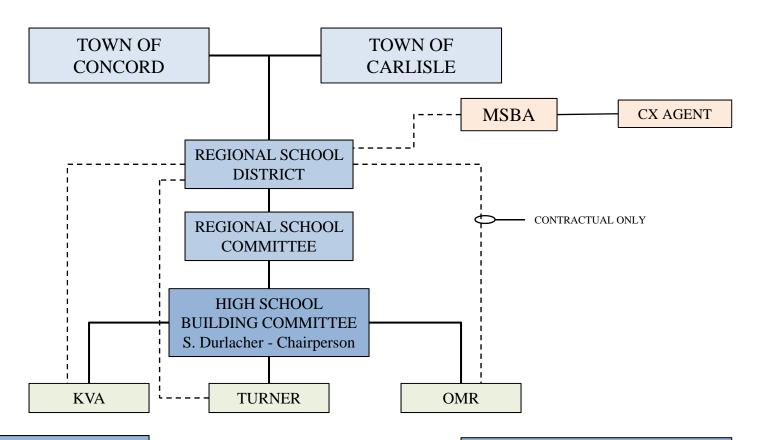
Concord-Carlisle School Committee

Diana Rigby

Superintendent of Schools

Approved by MSBA

Date



HIGH SCHOOL BUILDING COMMITTEE MEMBERS

Stanley Durlacher - Chairperson Diana Rigby – Superintendent of Schools

Jeff Adams Joseph Morahan David Anderson Peter Nobile Peter Badalment Louis Salemy Walter Birge Charlie Sample Michelle Ernst Sergio Siani John Flaherty Bill Tice Tim Hult Richard Waterman Karla Johnson Chris Whelan John Linder Elise Woodward CCHS Teacher (To be appointed Fall 2012) CCHS Student (to be appointed Fall 2012)

Note: Assignments for sub-committees and chairs is in progress. The MSBA will be updated upon completion.

MSBA COMMUNICATION SUMMARY

Primary contact for communication: Diana Rigby – Superintendent of Schools

Secondary contacts for communication:
John Flaherty – Deputy Superintendent of Schools
Stanley Durlacher – Chairperson,
High School Building Committee

Governmental body authorized to execute contracts: Fabian Fondriest