

The NEW Memorial Elementary School
Board of Education of the Township of East Brunswick,
Middlesex County, NJ
Bid No. 2011-01

Addendum Date: 8-23-10

Project Dated: 7-29-10

The original specifications and drawings, for the project noted above have been amended as noted in this Addendum. Receipt of this Addendum shall be acknowledged by inserting its number and date in the space provided on the Form of Proposal.

I. THIS ADDENDUM CONSISTS OF THE FOLLOWING:

- a. Number of Pages: 5 page w/o attachments
- b. Attachments: Attachments will be issued directly to all plan holders.
 - i. Written clarifications to certain drawings and to certain specification sections
 - ii. Revised drawings and additional drawings & clarification sketches
 - iii. Revised & additional specification sections
 - iv. Copy of 4-07-10 PSE&G letter re. Gas & Electric services removals
 - v. LEED 2009 for schools New Construction and Major Renovation Project Checklist (dated 4-28-10-r)
 - vi. Bidder's R.F.I.'s and A/E Responses

II. BID DATE:

- a. **Change in bid date** – bids will be received at the East Brunswick Public Schools, 760 Route 18, Suite 109, East Brunswick, NJ 08816 until 2:00 P.M. (local time) on **September 22, 2010** and will be publicly opened and read aloud immediately thereafter.

III. PRE-BID MEETING DATE & LOCATION:

- a. A second Pre-Bid Meeting is scheduled for 11:00AM on Tuesday, August 31, 2010.
- b. The Meeting will take place at the site of the new Memorial Elementary School: 14 Innes Road, East Brunswick, NJ 08816.

IV. PERTAINING TO THE DRAWINGS:

- a. Various drawings as noted below have been revised and will be forwarded directly to all current and future plan holders.
 - 1. Drawings for which written descriptions will be issued, as attachments to Addendum #1 are as follows:
 - a) A002 DOOR & FRAME SCHEDULE
 - b) A003 DOOR & FRAME TYPE, HEAD & JAMB
 - c) A004 DOOR & FRAME TYPE, HEAD & JAMB
 - d) A005 PARTITION TYPES
 - e) A006 FINISH SCHEDULE
 - f) A106 DEDUCT ALTERNATE #6
 - g) A631 WALL SECTIONS
 - h) A640 WALL SECTIONS

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- i) M 6.3 MECHANICAL SCHEDULES
- j) E0.1 ELECTRICAL SYMBOLS, NOTES & ABBREVIATIONS
- k) E2.2a FIRST FLOOR ELECTRICAL LIGHTING PART PLAN
- l) E2.2b FIRST FLOOR ELECTRICAL LIGHTING PART PLAN
- m) E2.2c FIRST FLOOR ELECTRICAL LIGHTING PART PLAN
- n) E2.2d FIRST FLOOR ELECTRICAL LIGHTING PART PLAN
- o) E2.3a SECOND FLOOR ELECTRICAL LIGHTING PART PLAN
- p) E2.3b SECOND FLOOR ELECTRICAL LIGHTING PART PLAN
- q) E2.3c SECOND FLOOR ELECTRICAL LIGHTING PART PLAN
- r) E2.3d SECOND FLOOR ELECTRICAL LIGHTING PART PLAN
- s) E3.1 BASEMENT ELECTRICAL POWER PLAN
- t) E3.2a FIRST FLOOR ELECTRICAL POWER PART PLAN
- u) E3.2b FIRST FLOOR ELECTRICAL POWER PART PLAN
- v) E3.2c FIRST FLOOR ELECTRICAL POWER PART PLAN
- w) E3.2d FIRST FLOOR ELECTRICAL POWER PART PLAN
- x) E3.2e FIRST FLOOR ELECTRICAL POWER PART PLAN
- y) E3.3a SECOND FLOOR ELECTRICAL POWER PART PLAN
- z) E3.3b SECOND FLOOR ELECTRICAL POWER PART PLAN
- aa) E3.3c SECOND FLOOR ELECTRICAL POWER PART PLAN
- bb) E3.3d SECOND FLOOR ELECTRICAL POWER PART PLAN
- cc) E5.0a ELECTRICAL ONE-LINE DIAGRAM
- dd) E5.0b ELECTRICAL ONE-LINE DIAGRAM
- ee) E5.1 FIRE ALARM RISER DIAGRAM
- ff) E5.2 ELECTRICAL WIRING AND RISER DIAGRAMS
- gg) E6.1 ELECTRICAL PANEL SCHEDULES
- hh) E6.2 ELECTRICAL PANEL SCHEDULES
- ii) E6.3 ELECTRICAL PANEL SCHEDULES
- jj) E6.4 ELECTRICAL PANEL SCHEDULES
- kk) E6.5 ELECTRICAL SCHEDULES
- ll) E7.2 ELECTRICAL DETAILS

2. Drawings for which 8-1/2"x11" and/or 11"x17" clarification sketch(s) will be issued, as attachments to Addendum #1 are as follows:

- a) C1 DEMOLITION PLAN
- b) C3 GRADING PLAN
- c) C4 DRAINAGE & UTILITY PLAN
- d) C6 SOIL EROSION & SEDIMENT CONTROL PLAN
- e) C7 LANDSCAPE PLAN
- f) C9 LIGHTING PLAN
- g) C10 CONSTRUCTION DETAILS
- h) C14 SANITARY PROFILES

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- i) A104 DEDUCT ALTERNATE #1
- j) A105 DEDUCT ALTERNATE #2
- k) A111 ENLARGED FIRST FLOOR PLAN
- l) A112 ENLARGED FIRST FLOOR PLAN
- m) A115 ENLARGED SECOND FLOOR PLAN
- n) A202 BUILDING ELEVATIONS
- o) A204 BUILDING ELEVATIONS
- p) A205 BUILDING ELEVATIONS
- q) A206 BUILDING SECTIONS
- r) A302 TOILET PLANS ELEV & DETAILS
- s) A303 STAGE PLAN, ELEV., & DETAILS
- t) A313 INTERIOR ELEVATIONS
- u) A411 FIRST FLOOR REFLECTED CEILING PLAN
- v) A415 SECOND FLOOR REFLECTED CEILING PLAN
- w) A601 WALL SECTIONS
- x) A603 WALL SECTIONS
- y) A604 WALL SECTIONS
- z) A605 WALL SECTIONS
- aa) A606 WALL SECTIONS
- bb) A607 WALL SECTIONS
- cc) A609 WALL SECTIONS
- dd) A610 WALL SECTIONS
- ee) A613 WALL SECTIONS
- ff) A632 WALL SECTIONS
- gg) A634 WALL SECTIONS
- hh) A635 WALL SECTIONS
- ii) A638 WALL SECTIONS
- jj) A700 ENLARGED WINDOW HEAD JAMB & SILL
- kk) A701 CURTAIN WALL ELEV.
- ll) A702 CURTAIN WALL ELEV.
- mm) A703 STOREFRONT ELEV.
- nn) A705 TRANSLUCENT GLASS & LOUVER ELEV.
- oo) A711 PLAN DETAILS
- pp) A712 PLAN DETAILS
- qq) A804 CASEWORK
- rr) S-101 BUILDING "A" PARTIAL FOUNDATION PLAN
- ss) S-102 BUILDING "A" PARTIAL FOUNDATION PLAN
- tt) S-103 BUILDING "B" PARTIAL FOUNDATION PLAN
- uu) S-104 BUILDING "B" PARTIAL FOUNDATION PLAN
- vv) S-106 BUILDING "A" – PARTIAL LOW ROOF FRAMING PLAN

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- ww) S-107 BUILDING "A" – PARTIAL LOW ROOF FRAMING PLAN
- xx) S-110 BUILDING "A" – PARTIAL HIGH ROOF FRAMING PLAN
- yy) S-112 BUILDING "B" – PARTIAL ROOF FRAMING PLAN
- zz) S-113 BUILDING "B" – PARTIAL ROOF FRAMING PLAN
- aaa) S-200 ALTERNATE BID PLANS
- bbb) S-300 TRUSS & BRACED FRAME ELEVATIONS
- ccc) S-601 FOUNDATION SECTIONS
- ddd) E3.2a FIRST FLOOR ELECTRICAL POWER PART PLAN
- eee) E3.2b FIRST FLOOR ELECTRICAL POWER PART PLAN
- fff) E3.2c FIRST FLOOR ELECTRICAL POWER PART PLAN
- ggg) E3.2d FIRST FLOOR ELECTRICAL POWER PART PLAN
- hhh) E3.2e FIRST FLOOR ELECTRICAL POWER PART PLANS
- iii) E7.2 ELECTRICAL DETAILS

3. Revised full-size drawings to be reissued and new full-size drawings to be issued, as attachments to Addendum #1 are as follows:

- a) C2 SITE PLAN
- b) A000 COVER SHEET
- c) A103 ROOF PLAN
- d) A110 ENLARGED BASEMENT PLAN
- e) A614 WALL SECTIONS
- f) A615 WALL SECTIONS
- g) A642 WALL SECTIONS
- h) A643 WALL SECTIONS
- i) A644 WALL SECTIONS
- j) A714 PLAN DETAILS
- k) A720 WALL SECTIONS DETAILS
- l) A721 WALL SECTIONS DETAILS
- m) A904 FIRST FLOOR FINISH PLAN
- n) A905 FIRST FLOOR FINISH PLAN
- o) A906 FIRST FLOOR FINISH PLAN
- p) A907 FIRST FLOOR FINISH PLAN
- q) A908 SECOND FLOOR FINISH PLAN
- r) A909 SECOND FLOOR FINISH PLAN
- s) E2.2c FIRST FLOOR ELECTRICAL LIGHTING PART PLAN
- t) E2.2d FIRST FLOOR ELECTRICAL LIGHTING PART PLAN
- u) E5.0a ELECTRICAL ONE-LINE DIAGRAM
- v) E5.0b ELECTRICAL ONE-LINE DIAGRAM
- w) E6.1 ELECTRICAL PANEL SCHEDULES
- x) E6.2 ELECTRICAL PANEL SCHEDULES
- y) E6.4 ELECTRICAL PANEL SCHEDULES

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z) E6.5 ELECTRICAL SCHEDULES

V. PERTAINING TO THE SPECIFICATIONS:

- a. Various specifications sections have been revised and added, and will be forwarded directly to all current and future plan holders.
 - 1. Revised specification sections to be reissued and new specifications sections to be issued, as attachments to Addendum #1 are as follows:
 - a) 07 27 00 Air and Vapor Barrier
 - b) 07 52 00 Modified Bitumen Roofing
 - c) 07 54 19 PVC Roofing
 - d) 07 71 00 Roof Specialties
 - e) 08 41 13 Aluminum Framed Entrances and Storefronts
 - f) 08 52 00 Interior Aluminum Windows
 - g) 08 71 00 Door Hardware
 - h) 09 29 00 Gypsum Board
 - i) 10 75 00 Flag Poles
 - j) 11 48 60 Gym Dividers
 - k) 11 66 23 Gymnasium Equipment
 - l) 12 24 13 Roller Window Shades
 - m) 23 05 13 Common Motor Requirements for HVAC Equipment
 - n) 23 09 01 Direct Digital Controls
 - o) 23 29 13 Variable Frequency Drives
 - p) 26 05 19 Low-Voltage Electrical Power Conductors and Cable

VI. RESPONSE TO BIDDER QUESTIONS: (all pre-bid questions that are received by the Architect by the cut-off date of 9/07/10 shall be answered in the same order in which they were posed):

- a. All pre-bid questions and corresponding A/E responses will be forwarded directly to all current and future plan holders.

End of Addendum Description

Attachments:

Signed by: Paul Graebener, LEED AP

Date: 8-23-2010

Copies: Owner Consultants Plan Holders Const. Manager _____ File

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I. THIS ATTACHMENT TO ADDENDUM # 1 CONSISTS OF THE FOLLOWING:

- a. Number of Pages: 15 pages w/o attachments
- b. Attachments: Refer to Attachments issued directly to all plan holders.
 - i. Bidders' R.F.I.'s as noted below and attached
 - ii. A/E Responses to bidders' R.F.I.'s as noted below
- c. The attention of the bidder is directed to the following changes, additions, substitutions and/or clarifications affecting the above referenced content.
- d. This Addendum contains changes to the requirements of the Contract Drawings and Specifications. Such changes are deemed to be incorporated into the Contract Documents and shall apply to the work with the same meaning and force as if they had been included in the original Documents. Whenever this Addendum modifies a portion of a paragraph of the Specifications, or any portion of any drawing, the remainder of the paragraph or drawings affected shall remain in force.
- e. The conditions and terms of the Specifications shall govern work described in this Addendum. Whenever the conditions of work and the quality or quantity of materials or workmanship are not fully described in this Addendum, the conditions of work, etc., included in the Specifications for similar terms of work shall apply to the work described in this Addendum.

II. RESPONSE TO BIDDER QUESTIONS: (all questions answered in the same order in which they were posed):

- 1. In response to questions from Seacoast Builders received August 11, 2010 (six questions):
 - a. Please confirm that the building permit fee is waived.
C.M. Response: The permit fee shall be waived by the East Brunswick Township Construction Inspection Department.
 - b. Bid form page 21. Do we submit with the bid all asterisked documents for the prime sub contractors with the bid. Please confirm all documents required to be submitted with the bid for the prime sub contractors.
A/E Response: Submit all asterisked documents for the G.C. and all prime sub-contractors.
 - c. Bid form page 22. Note verbiage referring to demolition and asbestos abatement. Is this scope listed in error? If not please define scope.
A/E Response: Refer to drawing C1 for the scope of demolition work. All known asbestos containing material will have been removed from the site prior to the start of construction.
 - d. Bid form page 25. What are the dollar values, if any, for allowances 2 and 3?
A/E Response: This question will be responded to in a future addendum.

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- e. Trade Contractor Attachment. The General Contractor (GC) has no contractual relationship with the Construction Manager therefore the GC should not be required to execute this form.
 - f. Page 75 Paragraph 3.19 The construction manager typically takes and distributes job meeting minutes. Please verify that this is the General Contractors responsibility.
C.M. Response: The Construction Manager (C.M.) will be responsible for taking and distributing the job meeting minutes.
2. In response to Del-Sano Contracting Corp. RFI #1 dated August 11, 2010:
- a. Spec Section 10 21 13 page 1 part 1.2 Letter E is calling for CR MR4.1 Recycled Content. The standard solid plastic partitions manufactured by any of the manufacturers listed do not contain any post consumer recycled content. The manufacturers do have partitions made of 100% post consumer waste but the cost is 5 times the amount.

A/E Response: The LEED requirements must be complied with as specified; refer also the LEED 2009 for Schools New Construction and Major Renovation Project Checklist (attached).

3. In response to Austin Helle Company RFI RBC #01 dated August 11, 2010:
- a. Please provide a make and model for the P-8A drinking fountain noted on the Fixture Schedule Drawing P0.1, Spec Section 22 47 00 lists P-8 & P-9 fountains. The Spec Section does not identify P-8A Counter Top Drinking Fountain.

A/E Response: The specification for this item can be found under Specification Section 22 40 00 Plumbing Fixtures – Subsection 2.9-B-2g. The countertop drinking fountain is specified as: "Halsey Taylor Model 10000, stainless steel, single stream, round bowl."

4. In response to Austin Helle Company RFI RBC #02 dated August 12, 2010:
- a. Finish Schedule A006 shows room 104TL – Computer Room with SAP on the walls. Interior Elevation 3/A313 & 2/A311 do not show any SAP. Building Section 1/A612 shows SAP starting elevation 10' 0". The reflected Ceiling Plan A-412 shows this room having a 2' x 4' ceiling at 10' 0". Please review and provide clear information as to where the SAP is to be installed. As it is none is shown in the room.

A/E Response: Refer to detail 2/A-115 for location of Sound Absorbing Panels in conjunction w/ detail 1/A-612.

- b. Also, we note that the Mechanical Rooms 210ME & 202ME have notes on A-115 stating Sound Absorption Panels. Provide spec and details for this product. Section 2/A602, which is cut in room 202ME is wrong. It is 90 degrees off. At 201ME there is a section 3/A603, which does not exist. Please review and advise. If the intent is to have wall types P1 as the Sound Absorption panels, delete the note as it is unnecessary.

A/E Response: The Sound Absorbing Panels occur outside of 210ME (within Computer Lab 104TL), and outside of 202ME (within Corridor C15); refer to specification section 09 84 33. Section 2/A602 should be rotated 90 degrees; see attached drawing. See also attached drawing for section 3/A603. The Sound Absorbing Panels are a finish item and not specific to any wall type.

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- c. A000 describes A106 as pertaining to Alternate 7. A106 is titled "...Alternate Bid 7...". We think the references should be to Alternate 6. Please review and correct.

A/E Response: Drawing A-106 has been revised to clarify that it applies to Deduct Alternate Bid #6 (see attached).

- d. We have Spec Section 124813 – Floor Mats. We find none on the drawing. Reference Note 2 on A006 says "Refer to Floor Pattern drawings A904 thru A909. These drawings do not exist. Provide location of Floor Mats if desired and provide missing drawings.

A/E Response: Surface mounted floor mats as specified must be provided at all exterior doors; see revised specification section 12 48 13 (To be issued in a future addendum). Note 2 on A-006 refers to the floor pattern only (not the floor mats); see A-900 series drawings (attached).

5. In response to Austin Helle Company RFI RBC #03 dated August 12, 2010:

- a. Drawing C1 shows trees to be protected and to remain. Drawing C7 is the Landscape Plan which does not show the existing trees and in fact shows new plants in the area of the existing trees. Please review and advise which is correct.

A/E Response: the G.C. is to provide and install new plantings as per drawing C7 Landscape Plan, and protect the existing trees shown to remain as per drawing C1.

6. In response to Austin Helle Company RFI RBC #02A dated August 12, 2010:

- a. Regarding SAP, Elevation 9/A311 shows Acoustical Wall Panels between columns 15 & 16 at the North Elevation of the Cafetorium. This is actually on the Stage. Please clarify if this correct. If it is correct, explain the 096429 Wood Strip and Plank Flooring, in various colors, on the wall. The Finish Schedule A006 shows the room with painted walls. Please review and clarify.

A/E Response: See also responses to similar questions # 4b (above) and # 12a (below). SAP is located in Corridor C15; vertically installed Wood Plank Flooring is located in Cafetorium 110CA. Wall finishes shall be as per the interior elevations in coordination with the finish schedule and specifications.

7. In response to Joseph A. Natoli Construction Corp. RFI No. 1 dated August 12, 2010:

- a. Re: Specification 116800 – Play Field Equipment and Structures Subject: Clarification of Scope of Playground Equipment. The specification section 116800 for playground equipment indicates that the scope of the playground equipment is shown on the drawings. We do not see this equipment shown on the drawings. Please provide details for this scope of work.

A/E Response: The Playground Equipment shall be provided and installed by the G.C. through an allowance \$-amount in the G.C.'s bid for same. The \$-amount for the allowance will be clarified in a future addendum.

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8. In response to Austin Helle Company RFI RBC #04 dated August 12, 2010:
- a. The following openings are scheduled with 30 STC rating, wood door in a curtain wall store front system: 101OS-C, 102MC-A, ER103-A, E2103-A, 104TL-A, 104TL-B and 106SR-A. Wood door manufacturers with the capability to manufacture an STC rated wood door have been tested and approved on their door within a hollow metal frame and not a curtain wall or store front frame system. Please review and advise if these openings should be changed to hollow metal frames

A/E Response: The door frames noted shall be as detailed and specified.
Additional clarification regarding the required STC ratings for the noted doors will be provided in a future addendum.

9. In response to AGP & Sons, Inc. RFI No. 1 dated August 11, 2010:
- a. Title: RFI-P-8A Counter Top Drinking Fountain. Please provide a make and model for this drinking fountain listed in the fixture schedule Dwg. P0.1. Spec Section 22 47 00 reflects a drinking fountain tagged P-8. Please confirm if this is the P-8B on the fixture schedule.

A/E Response: See previous response to similar question (item #3a above).

10. In response to questions from Seacoast Builders received on August 13, 2010:
- a. There is a discrepancy between architectural drawings and structural drawings as to quantity of concrete seating. At the connecting corridors structural drawings show only (1) one seat at each corridor, while architectural drawings indicate (2) two per corridor. Also, please provide full detail of seating. Are all seating areas the same? Are the seating platforms to be concrete base or CMU? Note: Wall lines on floor plans printed very light. Hard to read.

A/E Response: There are (2) seats at each connecting corridor as per the Architectural drawings; see the revised Structural drawings (attached).

11. In response to Austin Helle Company RFI RBC #05 dated August 13, 2010:
- a. Rooms 109CL, O3101, O2102, OA100, OB100, OC100, 100OS & CR100 have some casework shown on the floor plan, but no details are provided. Will it be furniture?

A/E Response: Furniture in Technology Literacy 109CL and Conference CR100 shall be by the Owner. Storage O3101 has no furniture. There is no room O2102. The tall casework in the following spaces: Parent Liaison Office O1101; Principal's Office O2101; CST Offices OA100, OB100, OC100; Guidance Office OS100, shall be by the GC.

- b. A-303 has 062000 listed in Material Key and Sections. There is no Spec Section 062000. Also indicated is Translucent Plastic Laminate for under the stage doors, 5, 6, 7/A-303. There is no such material.

A/E Response: Specification section 06 20 00 has been renumbered as 06 40 23, and revised for clarity regarding the material noted; (To be issued in a future addendum).

- c. A-311 has 098433 listed in the Material Key, but not shown.

A/E Response: Regarding 09 84 33A "Acoustical Wall Panels And Mounting Accessories" listed in the Materials Key on A-311, refer to detail 9/A-311.

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- d. A-811 Details 11, 12, 13 & 14 show Typ. Classroom Window Seat. No references are shown in any classroom on Floor Plans and/or enlarged plans and elevations.
A/E Response: Refer to drawings A-101 & A-10; window seat locations are shown at exterior windows in room #'s: 131SG, 134CL, 130CL, 128CL, 124CL, 223CL, 224CL, 219CL, 217CL, 220CL, 218CL 213CL, 214CL.
- e. There is a Spec Section 114600 but Unit Kitchens are not shown anywhere on plans.
A/E Response: Delete specification section 11 46 00 Unit Kitchens. G.C. to provide & install full-size refrigerators within Health Suite 103HS and Faculty Work Room 106SR; G.C. to provide & install under-mount microwave oven below wall cabinets in Faculty Work Room 106SR. Electrical Contractor to provide & install power to refrigerators and microwave oven. See Clarification Sketch A804.1 (attached), and revised specification section 11 31 00 Residential Appliances (To be issued in a future addendum).
- f. We note again that references are made to A-940 thru A-909 which are not in our set.
A/E Response: Refer to previous response to similar question (above).
12. In response to Austin Helle Company RFI RBC #06 dated August 13, 2010:
- a. Refer to drawings A303 & A311 – Cafetorium. First we note the Spec book does not include Spec Section 096429 – Wood Strips and Plank Flooring. Please provide. Provide mounting details for installing flooring on the walls. Provide termination and transition details where this abuts other products.
A/E Response: The specifications will be revised to clarify this item, in a future addendum. G.C. to provide and install finished wood nosing similar to detail 5/A-303 wherever vertically installed Wood Plank Flooring terminates and/or transitions and/or abuts other products.
- b. Refer to 1 & 2/A303. The elevation showing door V110A does not agree with the plan. The door is a single with no sidelite. Provide the information on the left and right side of that door.
A/E Response: Door V110A has no sidelite; Reflective Face CMU is shown at latch-side & hinge-side of door. Refer to revised interior elevation 2/A-303 (attached), and also interior elevation 7/A-311.
13. In response to Austin Helle Company RFI RBC #07 dated August 13, 2010:
- a. Refer to Wall Section 1/A635, specifically in the vicinity of the upper "outpiece" to the left of "3" line. We see 075320 called out at the flat section. This is not in the Spec Book.
A/E Response: 075320 is not shown at the noted location, however 075323A is shown at (2) locations on Section 1/A-635. Delete materials notes 075323 and replace with materials note 075200 SBS Modified Bitumen Roofing System; see revised Section 1/A-635 (attached).
- b. We see 072700 (Air Barrier on the Materials Key) called out. This section is not in the Spec Book. Should it be 072500?
A/E Response: Specification section 07 25 00 has been renumbered to be 07 27 00 (attached).

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- c. We see 077100 called out at the wall cap. This is not in the spec book.
A/E Response: Specification section 07 71 00 Roof Specialties has been added (attached).
- d. There is a Modified SBS Bitumen Roofing called out as 075200. We do not have this spec. Please provide missing documents and correct the drawings.
A/E Response: Specification section 07 55 00 has been renumbered to be 07 52 00 (attached).
14. In response to Del-Sano Contracting Corp. RFI #2 dated August 13, 2010:
a. Drawing A106 notes Alternate #7. The Proposal Form does not list this alternate. Please clarify if this alternate is required for submittal with the proposal and will the bid form be revised? Thank you.
A/E Response: Drawing A-106 has been revised to clarify that it applies to Deduct Alternate Bid #6 (see attached). The Proposal Form is correct as issued.
15. In response to questions from Beynon Sports Surfaces dated August 13, 2010:
a. Beynon Sports Surfaces has been specified as one of the approved suppliers for fluid-applied flooring (09 67 66) on this project. The spec indicates that fluid applied athletic flooring is to be installed in the Auxiliary Gym; however, there is no Aux Gym in the finish schedule or floor plans. Could you clarify this discrepancy?
A/E Response: Specification section 09 67 66 Fluid-Applied Athletic Flooring has been deleted from the specifications.
16. In response to Austin Helle Company RFI RBC #08 dated August 16, 2010:
a. The Casework Notes on the drawings indicate that "all cubbies will have random selected color compartments." Will random color be used for the back panel or for the entire compartment.
A/E Response: This question will be responded to in a future addendum.
b. Depending on how the above is answered, the question could arise, how will the edge be finished?
A/E Response: This question will be responded to in a future addendum.
17. In response to Vanas Construction Co., Inc. questions dated August 17, 2010:
a. Allowance #2 and #3 on Page 25 of 118 do not include dollar amounts for the allowances. Please provide allowance description and amount.
A/E Response: See response to #21c (above). This question will be responded to in a future addendum.
b. Drawing C1 indicates capping of an existing gas line and remove as indicated. For bidding purposes, it is assumed that the utility company will cut and cap the line at no cost to the General Contractor (fees, if any, paid by Owner) and General Contractor will remove the balance of the line indicated to be removed. The utility company has no information on this job and will not advise whether or not a fee will be required. Please advise.
A/E Response: See letter from PSE&G dated 4-07-10 (attached) regarding disconnection and removal of the gas and electric services.
c. Drawing C1 indicates removing existing overhead wires, utility poles and light poles. For bidding purposes, it is assumed that the utility company will disconnect power and

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remove the wires and the General Contractor will remove and dispose of the poles. Utility company will not advise at this time. Please confirm that this scope of work shall be bid as described herein and Owner will pay any utility fees issued by utility company.

A/E Response: See letter from PSE&G dated 4-07-10 (attached) regarding disconnection and removal of the gas and electric services.

- d. Drawing C4 indicates a new gas line from the "cap" point and continuing south into the proposed building. It is assumed that the utility company will extend this line to the meter at the building at no cost to the General Contractor and any fees required by the utility company will be paid by the Owner. Utility company will not advise on fees (if any) at this time.

A/E Response: Typically the gas company will construct the gas main up to and including the meter. How the gas company will handle this will be up to the agreement established between the school and gas company. The G.C. will be responsible for coordination w/ the gas company for installation of the gas main and meter.

- e. Is the entire property to be enclosed by temporary fence? Please provide temporary fence layout.

A/E Response: The G.C. will be required to provide, install & maintain temporary construction fencing (w/ lockable gates) around the perimeter of the construction site for the duration of the project. The G.C. must also coordinate removal of the temporary fencing currently on site following completion the demolition project, and return of same to the fence rental company. Alternately, the G.C. may take over responsibility of payment for rental of the current temporary fencing. Any modifications to and/or reconfiguration of the current temporary fencing shall be the responsibility of the G.C..

- f. Please confirm that all footings and foundations from structure that previously existed on site have been removed.

A/E Response: All known existing footings and foundations will be removed prior to start of construction for the new elementary school.

- g. Paragraph 10.2.23.1 requires the use of 6'-0" fall protection. Will this be an absolute project requirement as it is not required by OSHA standards and adds a significant amount to the cost of the project? Please confirm.

P.M. Response: Yes. The 6'-0" fall will be enforced.

- h. Please clarify who is responsible for testing costs. Section 014000, Paragraph 1.1A indicates that "The Owner will employ and pay for the service of an Independent Testing Laboratory." Page 033000-12, Paragraph 3.10.A indicates "The contractor will employ a testing laboratory." Section 042000 does not specify who is responsible. Section 051200 indicates, "engage an independent testing and inspection agency." Section 312000, Earth Moving, Page 12, Paragraph 3.20.A indicates "Owner may engage a qualified geotechnical engineer." Please clarify testing responsibilities for project.

P.M. Response: The owner will hire the testing labs for all standard and code required testing and bare the cost. Any special testing that is specifically required

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by the contractor to perform as indicated in the contract documents will be the responsibility of the contractor.

A.E. Response: Regarding the testing of CMU and Brick required under specification section 04 20 00, G.C. to submit certification from the manufacturer(s) that the C.M.U. and Brick supplied are in conformance w/ the specifications.

The Owner's testing lab will perform testing of High Strength Bolted Connections and testing of Welded Connections.

- i. Please advise if the General Contractor is responsible to include the cost of a LEED Consultant for the duration of the project in their bid or has the Owner obtained a LEED Consultant to compile the requisite paperwork and monitor the LEED progress so as to obtain certification.

A/E Response: The project has not been registered w/ the U.S.G.B.C., and LEED Certification is not being pursued for the project, however the project must meet the requirements of N.J. State Executive Order 24 and all other applicable code requirements for sustainable design of schools. The G.C. is responsible for adhering to all Sustainable Project Requirements and LEED related requirements as specified and noted, including collection, tracking, maintenance and submittal of all supporting documentation related to same and in conjunction with all submittal items.

18. In response to Austin Helle Company RFI RBC #09 (Revised) dated August 17, 2010:

- a. Please provide information on door 105GY-S. Per A-002 this opening is to have a pair of 3' 3" wide by 5' 8" high leaves. The Door Schedule, under the Door column, notes "HM Frame". Please refer to both the Reference Notes in the Door Schedule columns and in the drawing itself (see Note 3). Look at the plan on A-111 and the elevations 3/A313, which shows the short in height door frame with leaves. At 5' 8" high, someone will get hurt. See also elevation 3/A311, which is cut through the corridor. Something is not right as this shows tack board in the vicinity of the 105GY-S. Please provide information so this is clear. As it is scheduled, there are no doors. It is not clear what "material is hollow metal frame with sports safety padding mounted to it" means. We note also that it appears this frame mounts in a type V1 wall – 2 – 8" CMU totaling 1' 6" thick. Show a cut through the wall section with the frame mounting. I found detail 1/A-712. Please correct door schedule to list HM doors. Provide info on Projection Screen.

A/E Response: Door 105GY-S serves as protection for an interactive electronic white board that is recessed into the wall of the Gymnasium. Refer to notes and reference notes on Door Schedule, and to the specifications.

19. In response to Austin Helle Company RFI RBC #10 dated August 17, 2010:

- a. Please provide the limits of the "Privacy Fence" on the West Side of the Property.

A/E Response: The "Privacy Fence" noted is actually a 12'-0" tall heavy timber sound barrier wall; it extends for the full length of the adjoining Lot-131 residence's property line. Refer to revised Drawing C.2.1 (attached); construction

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details for this heavy timber sound barrier wall will be issued in a future addendum.

- b. Provide wall construction details/elevations for the wall on the West side of the property and the wall by Innes Road that is centered on the building. We do not find these on the elevations.

A/E Response: For the enclosure wall around the cooling tower, refer to plan detail 3/A-110, wall section 4/A613, and elsewhere on the bid docs. Also, the low masonry wall near the northern property line along Innes Road extends for the full length of the project site's property line adjoining the ROW, except where the wall is interrupted by the three vehicle entrances/exits; at these locations the low wall turns in conjunction w/ the paving as shown; this low wall (3'-0" high) is similar to section 8/ A-613 (3'-4" T.O. Coping). It was issued with addendum #1 drawing A-613.1, detail 8. Its elevation is shown on Detail 5/A-202. The other adjacent-to-building low wall sections can be found on the same sheet A-613 (issued for bid), detail 5 & 6.

- c. Refer to the Outdoor Play area. Detail 3/A205 shows an 8' high fence. Drawing C2 calls for a 6' high Ameristar Echelon II Genesis fence with 2 pairs of 6' wide gates. The door schedule calls for doors EX8 & 9 to be Aluminum Fence Gates by 8' 0" high. Please clarify if this fence should be 6' high or 8' high.

A/E Response: The fence and gates at the covered outdoor play area shall be 8'-0" tall.

20. In response to Austin Helle Company RFI RBC #11 dated August 17, 2010:

- a. Refer to detail 2/A105. Provide this detail showing the necessary adjustments that must be made to accommodate the Hydrotech "green roof" system. A detail similar to 4/A604 should be provided. A similar detail should be provided at the link roofs where there are "concrete paver walkways on green roof assembly". Show this like 2/A635, without the parapets.

A/E Response: All of drawing A-105 applies to Deduct Alternate Bid #2 only (not Deduct Alternate Bid #3). The Hydrotech "green roof" system, including the pavers are to be deducted under Deduct Alternate Bid #2.

21. In response to Patock Construction Company's RFI #1 dated August 17, 2010:

- a. Drawing A-311, Elevations 7 and 9 – call for 096428A – Prefinished Solid Hardwood. There is no specification section as provided. Please provide or clarify.

A/E Response: See also responses to similar questions # 4b, # 6a, and # 12a (above).

- b. Drawing A-106 indicates deduct alternate Bid #7ai. Specification Section 011200 – Alternates, only lists six (6) Alternates. It appears that #7ai is part of Alternate #6. Please clarify.

A/E Response: All of drawing A-106 applies to Deduct Alternate Bid # 6 (not Deduct Alternate Bid #7ai). Note: there are a total of six (6) deduct alternates.

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- c. Specification Section 012000 – Allowances: Does not list any allowance or give a description. The Form of Proposal lists three allowances. Allowance #1 is for \$2,000,000. There are no dollar figures for Allowances #2 and #3. Is that correct? Will any additional allowances besides #1 be used?

A/E Response: The following Allowances must be included in the bidder's base bid \$-amount, except where noted otherwise; refer to revised specification section 01 20 00 Allowances for \$-amounts associated w/ each allowance item (To be issued in a future addendum):

- i. Contingency Allowance
 - ii. Play Equipment
 - iii. Signage – Exterior
 - iv. Signage - Interior
 - v. Ceramic Tile (This allowance applies to Deduct Alternate # 6 only, and should be calculated into the bidder's Deduct Alternate # 6 bid \$-amount.)
- d. SDA Project: The Project Manual alludes that this is an SDA project. Is this so? And if so, is the school district receiving any SDA funding? Is there a Project Labor Agreement for this project? It is our understanding that there is no Project Labor Agreement.

A/E Response: The project will not be administered by the NJSDA, however some project funding is being provided by the NJSDA. All bidders must submit proof of NJSDA prequalification; refer to the Supplementary General Conditions, Article-13, for additional requirements.

- e. Specification Section 093033 – Stone Tiling, Page 2, 6.2A. Nothing is spelled out for the basis of design. Also, Drawing A-700, Detail S-9 indicates stone tiling window sill. Does this still occur only at Detail S-9? Are the rest of the sills on A-700 also stone tiling window sills? How do these sills stay in place? It appears that the sill overhangs are excessive and could easily be broken from the wall.

A/E Response: Stone Tiling window stools are shown in the following details on drawing A-700: S1, S2, S3, S4, S7, S8, S9. Maintain a 1" projection beyond the finish face of interior wall (typical for all locations). Clarification as to the Basis Of Design for this item will be issued in a future addendum.

- f. Drawing A-633, Materials Key: 072700 – Air Barriers. There is no provided specification for 072700A Self-Adhered Air & Water Barrier or 072700B Fluid Applied Non-Permeable Air Barrier. Please provide the missing specification sections.

A/E Response: Specification section 07 25 00 has been renumbered to be 07 27 00 (attached).

- g. Drawing A005, Wall Types: Wall Type D has specification material notes 092900A, 092900B, 092900D or 093900G. Please be specific where you are using the respective gypsum board types. Also, 092900D and 081800G do not appear in the Material Key. Also the gypsum board specifications list gypsum board types as regular, Type X, Flexible Type, Ceiling Type, Foil Back Type, Abuse Resistant Type "X" and Moisture/mold-resistant Type "X". The Material Key only calls out Regular and Type "X". Where are the other Types being used? Please provide missing items. It is

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our understanding that abuse-resistant gypsum board is only to be used at those partitions as detailed on Drawing A-106, which is a single layer of abuse-board on each side of metal studs. We are assuming that no other areas receive this partition type.

A/E Response: At Partition Type "P1", provide and install (2) layers of 09 29 00B on both sides of partition. At Partition Type "D1", provide and install (1) layer of 09 29 00A on both sides of partition. Other partition types to receive gypsum board as noted.

h. Drawing A-202, A-203, A-204 and A-205: have a note #1 at the bottom of the materials legend which states "all translucent exterior linear glass wall assemblies are H1 and H2 as noted". We cannot find any H2 assemblies anywhere on the drawings. Please provide locations, if applicable.

A/E Response: Note: The exterior translucent wall assemblies will be double-glazed, and the interior translucent wall assemblies will be single-glazed. H2 assemblies shall be identical to the H1 assemblies except as noted below and as per the specifications:

H1: Approximately 95% of the exterior double-glazed units must be provided with "Rough Cast" glazing, and with "Wacotech" insulation.

H2: Approximately 5% of the exterior double-glazed units must be provided with "Clarrisimo" glazing. Please note that the double-glazed exterior "Clarrisimo" glazed units will **not** be insulated.

The interior translucent wall assemblies shown on Interior Elevations 5, 6, 7 on drawing A-311, will be single-glazed and uninsulated. Approximately 95% of the interior single-glazed units must be provided with "Rough Cast" glazing; approximately 5% of the interior single-glazed units must be provided with "Clarrisimo" glazing.

Note: Specific locations and distribution of "Rough Cast" and "Clarrisimo" glazing units will be determined by the Architect during review of the translucent wall assemblies shop drawings.

Note: Refer also to the A-700-series drawings and the specifications for additional information regarding the translucent wall assemblies.

i. Drawing A-111, Gymnasium 105GY: A note on floor plan refers to Dimensional Plan of sports floor & sleeve location. RE: A904. There is no Drawing A-904 in the bid set. Please provide plan so that we can determine the number of sleeves required and the size of the court layouts.

A/E Response: Refer to A-900 series drawings (attached).

j. Specification Section 096766 – Fluid Applied Athletic Flooring: Where does this floor type occur? It is not indicated on the Finish Schedule. The Summary of Work says that it occurs at the Auxiliary Gym. Please clarify.

A/E Response: Delete specification section 09 67 66. There is no Fluid Applied Athletic Flooring and no Auxiliary Gym in the scope of work for this project.

k. Specification Sections 083323, Overhead Coiling Doors and 083326, Overhead Coiling Grilles: Doors #EX3, EX4, 100SS-A, WR110-B, WR-110-C and SV110-C are

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not called as Coiling Grilles. Please advise if any of these doors are actually Coiling Grilles, per Section 083326.

A/E Response: Door #'s EX3 & EX4 are exterior Overhead Coiling Doors;. Door # 100SSA is an Overhead Coiling Grille per specification section 08 33 26. Door #'s WR110B & WR110C are counter height Overhead Coiling Doors. Door # SV110C is an interior Overhead Coiling Door. See revised specification section 08 33 23 (To be issued in a future addendum).

22. In response to Patock Construction Company's RFI #2 dated August 17, 2010:

a. Please provide a specification for the Automatic transfer switch.

A/E Response: Refer to Drawing E5.0b for specification on the Manual Transfer Switch.

b. Telecommunications drawing T-116, Details 2 and 3. Detail #3 says Alternate #3, Detail #2 says Alternate #1 but they are both for the same room. Are the alternates both the same?

A/E Response: Detail 2/T.116 and Detail 3/T.116 refer to different Deduct Alternates. Detail 2/T.116 shows a shortened/revised classroom wing from the Base Bid. Detail 3/T.116 shows an additional storage room being constructed in the corridor space of the Base Bid building. Note Detail 3/T.116 refers to Deduct Alternate #2 (not Deduct Alternate #3).

c. Would it be safe to assume that we are only providing junction boxes and conduits with pull strings for the Cafetorium and Gymnasium audio visual systems per cafetorium audiovisual conduit riser on AV-201 and Gymnasium Audio Visual conduit riser on AV-202?

A/E Response: No. The contractor must provide and install complete working Audio Visual system(s) as detailed and specified in the bidding documents.

d. Electrical drawings for exit signs do not indicate which type of exit sign shall be used EX or EX1?

A/E Response: Drawing #6.5 has been revised per Addendum #1 (see attached).

e. Electrical drawings E2.1 to E2.3d indicate that a TYPE R fixture shall be installed in various rooms. According to lighting fixture schedule on sheet E6.5 the TYPE R fixture is a surface mounted 2x4 18 cells parabolic. This fixture is shown in rooms with and without lay-in ceilings (storage rooms, mechanical rooms, kitchen areas, etc.). Is this the correct fixture for all of these locations?

A/E Response: The drawings have been revised per Addendum #1 (see attached).

f. Electrical site plan E1.0 does not indicate any type SB type lighting fixtures in courtyard but does show (2) SA type lighting fixtures. According to lighting plan C9 there are a total of (10) SB type fixtures shown in courtyard and (0) SA. Which drawing is correct E1.0 or C9?

A/E Response: Drawing E1.0 will be revised and reissued in a future addendum.

g. Electrical sheet E6.5 lighting schedule. The following fixture types are not indicated on drawing: EM, EM1, M, M1, Q, V, W and Y. Are these fixtures not being used?

A/E Response: The drawings have been revised per Addendum #1 (see attached).

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23. In response to question from Janson Industries dated August 17, 2010:

- a. I was looking at the plans and specs for the stage equipment for this project and I have located the stage 110 in the cafetorium. The specs also mention pipe grids 116143-3 b (c), am I missing a room? Please advise.

A/E Response: Stage ST110 is shown on drawing A-111; Refer also to drawings A-303, A-304, A-305, and elsewhere on the bid-docs.

24. In response to Austin Helle Company RFI RBC #12 dated August 17, 2010:

- a. Refer to drawing S-110. See the troughs in the vicinity of columns 16-19 and 21-23. Please show the connection details how these are supported.

A/E Response: Please see the Truss Elevations on sheet S-300 for information pertaining to the framing on column lines B.1 and D.9 which the valley girders will attach. The trough framing is similar to Section – R26 on sheet S-606.

- b. Also, we have been asked from where R20/S-605 has been cut. Please clarify.

A/E Response: R20/S-606 was cut through the wall along column line B, east of column line 21. The section mark can be seen on sheet S-106.

25. In response to Austin Helle Company RFI RBC #13 dated August 17, 2010:

- a. The Civil plans show the easement for the Transcontinental Gas pipeline. Are there any special work rules associated with this area?

A/E Response: No construction work has been detailed within the Transcontinental Pipeline easement. The G.C. is responsible to protect the pipeline from damage due to any work related to the construction of the new Memorial Elementary School. The G.C. must contact Transcontinental Pipeline Corporation and all other agencies having jurisdiction over the Transcontinental Pipeline easement to determine any restrictions and the G.C. must ensure adherence to same by all Contractors, Sub-Contractors, and Sub-Subcontractors.

26. In response to Del-Sano Contracting Corp. RFI #3 and #4 dated August 18, 2010:

- a. RFI #3: Instructions to Bidders, Page 12, Section 12.2 states: "Except as to those permits and licenses, if any, with respect to which the Contract Documents expressly fix responsibility on the Architect, Owner, or other person or entity, the Contractor shall be responsible for filing for and obtaining all applicable permits or licenses from any government entity that has jurisdiction to require the same. All bids submitted shall have included this cost." Can an allowance be determined for the cost of the permits so all bidders are on fair playing ground for this item?

C.M. Response: The permit fee shall be waived by the East Brunswick Township Construction Inspection Department.

- b. RFI #4: Does the Demolition Contractor's scope of work include removal and disposal of footings and foundation as well as backfill of any basement or subgrade area or is the cost of this work to be included with this Proposal?

A/E Response: All known footings and foundations will be removed and disposed of prior to award of the contract for construction of the new elementary school. The G.C. will be required to compact all soils that have been disturbed by the demolition work performed prior to the award of the G.C.'s contract for construction. The areas requiring compaction will be clarified in a future addendum.

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27. In response to Austin Helle Company RFI RBC #14R dated August 17 & 18, 2010:

- a. Detail 3/A-110 shows the wall around the Outdoor Cooling Unit to be 18' 6" high. See also 4/A-613. Drawing C2 notes the wall is 22' high. Which is correct?

A/E Response: The noted Outdoor Cooling Tower Enclosure Wall shall be 18'-6" high.

- b. Spec 09 30 33 is for Stone Tiling and is noted to be for Window Sills. Please complete the spec selection process for the stone products in paragraph 2.1.G. Please clarify where the stone sills are to be installed. Among other places, we find sections such as 3/A631, 1, 2, 3/A632 and 1, 2/A633. These show stone sills in certain rooms and not in others. We find no sills in Kindergarten, 1st Grade or SGI rooms but do find them in 5th grade rooms. There are many windows on this job. Please provide specifics of what gets stone sills and what does not. Also, provide construction details of the sills with and without stone sills. A700 does not provide dimensioned details.

A/E Response: All exterior and interior windows shall receive stone tiling window stools (refer to details on A-700), except where noted otherwise by wall sections. Refer also to Clarification Sketches A700.1 & A700.2 (attached). See also the A/E Response to RFI #21, question 'e' (above).

- c. C11 shows a 30' flagpole. Spec 107500 calls for a 40' flagpole. Which is correct?

A/E Response: The flagpole shall be 30'-0" tall.

- d. A-103 shows Painted Aluminum Handrail on 6" x 6" precast concrete curb both at 9/F-G and the area shown in 2/A-103. Is all of this work to be as shown on 1/A607 or is it simple Handrail? Provide details of mounting to 6" x 6" precast concrete curb. In the same roof garden area there are two areas noted as "fence enclosure" around mechanical equipment. Is this the same product as shown on 1/A607 or is it fencing of some sort? If so, what type and how high? Spec 055213 calls for Clear Anodized Aluminum Railing. Painted or Clear Anodized?

A/E Response: Refer also to detail 3/A-708 for the "Painted Aluminum Handrail". The question regarding the "fence enclosure around the mechanical equipment will be responded to in a future addendum.

28. In response to Austin Helle Company RFI RBC #16 dated August 18, 2010:

- a. Please clarify the construction of the "planting islands (see Architectural Drawings)" shown on C2. Are they curbs or are they fancy structures as the rendering on the Cover Page A-000 shows. Since we find no information we will figure curbs unless advised otherwise. Please advise.

A/E Response: Refer to Clarification Sketch A613.1 and revised Drawing A-110 (attached).

29. In response to Austin Helle Company RFI RBC #15 dated August 18, 2010:

- a. Regarding the sump pit for Duplex pumps P-3A & B, Drawing P7.2 directs to go to the Architecturals for details on the "waterproof concrete vault". We do not find these details. Please provide these construction details. Drawing C2 shows a Foundation Drain Sump Well. See also A-110. If there is to be a pump, please provide information on the pump.

A/E Response: Part-1 of this question will be responded to in a future addendum. Regarding Part-2 of this question, the foundation drain sump well noted on

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Drawings S-3 and A-110 is detailed on Drawing C13. See also Drawing E3.1 for empty conduit w/ pull string to foundation drain sump well. No pump currently is scheduled for installation within this well.

30. In response to questions from Wallace Bros., Inc. RFI-EBES01 dated August 19, 2010:

- a. Regarding allowances: Allowance #1 has a total of \$2,000,000 for Contingency work. Then there are Allowances #2 and #3 in the bid form that have no totals attached to them. Are Allowances #2 and #3 part of the bid, and if so, what are the dollar amounts of the allowances?

A/E Response: See response to #21c (above). This question will be responded to in a future addendum.

End of Bidders' R.F.I.'s and A/E Responses

Attachments:

Signed by: Paul Graebener, LEED AP

Date: 8-23-2010

Copies: Owner Consultants Plan Holders Const. Manager _____ File

Paul Graebener

From: Chip Schulz [fearlessleader@seacoastbc.com]
Sent: Wednesday, August 11, 2010 1:42 PM
To: Paul Graebener
Cc: jpellecchia@tcco.com; ctorres@tcco.com; Lenny Szot
Subject: Memorial Elementary School

Great Project I hope we can do it for you. I have reviewed the specifications and have a few questions .

1. Please confirm that the building permit fee is waived.
2. Bid form page 21 . Do we submit with the bid all asterisked documents for the prime sub contractors with the bid. Please confirm all documents required to be submitted with the bid for the prime sub contractors.
3. Bid form page 22. Note verbiage referring to demolition and asbestos abatement. Is this scope listed in error? If not please define scope.
4. Bid form page 25. What are the dollar values ,if any , for allowances 2 and 3?
5. Trade Contractor Attachment. The General Contractor(GC) has no contractual relationship with the Construction Manager therefore the GC should not be required to execute this form .
6. Page 75 Paragraph 3.19 The construction manager typically takes and distributes job meeting minutes. Please verify that this is the General Contractors responsibility.

Thank you for addressing these concerns.

A. David Schulz
President

Seacoast Builders Corp

(732)780-1760

Paul Graebener

From: Ed Dever [edever@delsano.com]
Sent: Wednesday, August 11, 2010 4:55 PM
To: Paul Graebener
Cc: Ed Halbach
Subject: New Memorial School RFF 1
Attachments: Picture

Good Afternoon,

RFI 1

Spec Section 10 21 13 page 1 part 1.2 Letter E, is calling for CR MR4.1 Recycled Content.

The standard solid plastic partitions manufactured by any of the manufacturers listed do not contain any post consumer recycled content.

The manufacturers do have partitions made of 100% post consumer waste but the cost is 5 times the amount.

Please advise if the partitions have to meet LEED CR MR4.1

Edward J Dever; LEED AP

Purchasing Manager

2037 Morris Ave Union, New Jersey 07083

Phone: 908-688-8891 ext. 25 Fax: 908-688-8873

edever@delsano.com

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AUSTIN HELLE COMPANY

General Contractor
Canfield Office Park
886-B2 Pompton Avenue
Cedar Grove, New Jersey 07009
Phone: 973 857-3735
Fax: 973 857-2892

REQUEST FOR BID CLARIFICATION

RBC #: 01

A. H. C. BID #: 10-19

PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/11/10

TO: Paul Graebener

COMPANY: Design Ideas Group

FAX: 732-247-1825

PHONE: 732-249-6242

FROM: Alf Johnsen

REF: Plumbing - P-8A - Counter Top Drinking Fountain

Please provide a make and model for the P-8A drinking fountain noted on the Fixture Schedule Drawing P0.1. Spec Section 22 47 00 lists P-8 & P-9 fountains. The Spec Section does not identify P-8A Counter Top Drinking Fountain.

Please provide the spec for this item.

cc: Bid File

Total Page(1)

**AUSTIN HELLE COMPANY**

General Contractor

Canfield Office Park

886-B2 Pompton Avenue

Cedar Grove, New Jersey 07009

Phone: 973 857-3735

Fax: 973 857-2892

REQUEST FOR BID CLARIFICATION

RBC #: 02

A. H. C. BID #: 10-19

PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/12/10

TO: Paul Graebener

COMPANY: Design Ideas Group

FAX: 732-247-1825

PHONE: 732-249-6242

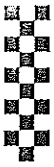
FROM: Alf Johnsen

REF: Architectural questions

1. Finish Schedule A006 shows room 104TL - Computer Room with SAP on the walls. Interior Elevation 3/A313 & 2/A311 do not show any SAP. Building Section 1/A612 shows SAP starting at elevation 10' 0". The reflected Ceiling Plan A-412 shows this room having a 2' x 4' ceiling at 10' 0". Please review and provide clear information as to where the SAP is to be installed. As it is none is shown in the room.
2. Also, we note that the Mechanical Rooms 210ME & 202ME have notes on A-115 stating Sound Absorption Panels. Provide spec and details for this product. Section 2/A602, which is cut in room 202ME is wrong. It is 90 degrees off. At 201ME there is a section 3/A603, which does not exist. Please review and advise. If the intent is to have wall types P1 as the Sound Absorption Panels, delete the note as it is unnecessary.
3. A000 describes A106 as pertaining to Alternate 7. A106 is titled "...Alternate Bid 7...". We think the references should be to Alternate 6. Please review and correct.
4. We have Spec Section 124813 - Floor Mats. We find none on the drawing. Reference Note 2 on A006 says "Refer to Floor Pattern drawings A904 thru A909. These drawings do not exist. Provide location of Floor Mats if desired and provide missing drawings.

cc: Bid File

Total Page(1)



AUSTIN HELLE COMPANY

General Contractor
Canfield Office Park
886-B2 Pompton Avenue
Cedar Grove, New Jersey 07009
Phone: 973 857-3735
Fax: 973 857-2892

REQUEST FOR BID CLARIFICATION

RBC #: 03
A. H. C. BID #: 10-19
PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/12/10
TO: Paul Graebener
COMPANY: Design Ideas Group
FAX: 732-247-1825
PHONE: 732-249-6242
FROM: Alf Johnsen
REF: Tree Question

Drawing C1 shows trees to be protected and to remain. Drawing C7 is the Landscape Plan which does not show the existing trees and in fact shows new plants in the area of the existing trees.

Please review and advise which is correct.

cc: Bid File

Total Page(1)

AUSTIN HELLE COMPANY

General Contractor
Canfield Office Park
886-B2 Pompton Avenue
Cedar Grove, New Jersey 07009
Phone: 973 857-3735
Fax: 973 857-2892

REQUEST FOR BID CLARIFICATION**RBC #: 02A****A. H. C. BID #: 10-19****PROJECT: New Memorial Elementary School, East Brunswick, NJ**

DATE: 08/12/10**TO: Paul Graebener****COMPANY: Design Ideas Group****FAX: 732-247-1825****PHONE: 732-249-6242****FROM: Alf Johnsen****REF: Architectural questions - Additional SAP Question**

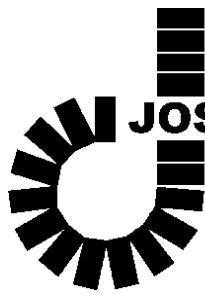
Regarding SAP, Elevation 9/A311 shows Acoustical Wall Panels between columns 15 & 16 at the North Elevation of the Cafetorium. This is actually on the Stage. Please clarify if this is correct. If it is correct, explain the 096429 Wood Strip and Plank Flooring, in various colors, on the wall.

The Finish Schedule A006 shows the room with painted walls.

Pease review and clarify

cc: Bid File

Total Page(1)



JOSEPH A. NATOLI

CONSTRUCTION CORP.

293 CHANGE BRIDGE ROAD, PINE BROOK, NJ 07058 PHONE: (973) 575-1500
FAX: (973) 575-8216

Estimate No. 1295

New Memorial Elementary School

14 Innes Road

East Brunswick, NJ 08816

BID REQUEST FOR INFORMATION NO. 1

August 12th, 2010

To: Design Ideas Group Architecture and Planning

Attn: Mr. Paul Graebener

Office: 732-249-6242

Fax: 732-247-1825

FROM: Gino Bravo, Chief Estimator

RE: Specification: 116800 – Play Field Equipment and Structures

Subject: Clarification of Scope of Playground Equipment

The specification section 116800, for playground equipment indicates that the scope of the playground equipment is shown on the drawings. We do not see this equipment shown on the drawings. Please provide details for this scope of work.

AUSTIN HELLE COMPANY

General Contractor

Canfield Office Park

886-B2 Pompton Avenue

Cedar Grove, New Jersey 07009

Phone: 973 857-3735

Fax: 973 857-2892

REQUEST FOR BID CLARIFICATION

RBC #: 04

A. H. C. BID #: 10-19

PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/12/10

TO: Paul Graebener

COMPANY: Design Ideas Group

FAX: 732-247-1825

PHONE: 732-249-6242

FROM: Alf Johnsen

REF: Doors

The following openings are scheduled with 30 STC rating, wood door in a curtain wall/store front system: 101OS-C, 102MC-A, ER103-A, E2103-A, 104TL-A, 104TL-B and 106SR-A. Wood door manufacturers with the capability to manufacture an STC rated wood door have been tested and approved on their door within a hollow metal frame and not a curtain wall or store front frame system.

Please review and advise if these openings should be changed to hollow metal frames.

cc: Bid File

Total Page(1)

AGP & Sons, Inc.

REQUEST FOR INFORMATION

29 Roney Street
Toms River, NJ 08753

Phone: 732-864-1717
Fax: 732-864-1718

No. 1

TITLE: RFI-P-8A Counter Top Drinking Fountain **DATE:** 08/11/2010

PROJECT: Bid-New Mem ES, New Brunswick
Plumbing Bid

TO: Estimating

STARTED:
COMPLETED:
REQUIRED:

REQUEST:

Please provide a make and model for this drinking fountain listed in the fixture schedule Dwg P0.1. Spec Section 22 47 00 reflects a drinking fountain tagged P-8, please confirm if this is the P-8B on the fixture schedule

Thank you

ANSWER:

Requested By: AGP & Sons, Inc.

Date: _____

Signed: _____
Lisa Smentkowski

732-297-1825

SEACOAST

Builders Corporation

EST. 1962

**BCANJ**Building Contractors
Association
of New Jersey

FAX TRANSMITTAL SHEET

Date: 8/13/10 Time: _____To: DESIGN IDEAS GROUP

Attn: _____

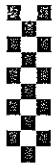
From: LEONARD F. SEOTRe: NEW MEMORIAL SCHOOL - EAST BRUNSWICK, N.J.No. of Pages including cover: 1**Comments:**

THERE IS A DISCREPANCY BETWEEN ARCHITECTURAL DWGS & STRUCTURAL DWGS AS TO QUANTITY OF CONCRETE SEATING. AT THE CONNECTING CORRIDORS STRUCTURAL DWGS SHOW ONLY (1) ONE SEAT AT EACH CORRIDOR, WHILE ARCHITECTURAL DWGS INDICATE (2) TWO PER CORRIDOR. ALSO, PLEASE PROVIDE FULL DETAIL OF SEATING. ARE ALL SEATING AREAS THE SAME? ARE THE SEATING PLATFORMS TO BE CONCRETE BASE OR CMU?

NOTE: WALL LINES ON FLOOR PLANS PRINTED VERY LIGHT. HARD TO READ.

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AUSTIN HELLE COMPANY

General Contractor

Canfield Office Park

886-B2 Pompton Avenue

Cedar Grove, New Jersey 07009

Phone: 973 857-3735

Fax: 973 857-2892

REQUEST FOR BID CLARIFICATION

RBC #: 05

A. H. C. BID #: 10-19

PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/13/10

TO: Paul Graebener

COMPANY: Design Ideas Group

FAX: 732-247-1825

PHONE: 732-249-6242

FROM: Alf Johnsen

REF: Millwork

1. Rooms 109CL, 03101, 02102, OA100, OB100, OC100, 100OS & CR100 have some casework shown on the floor plan, but no details are provided. Will it be furniture?
2. A-303 has 062000 listed in Material Key and Sections. There is not Spec Section 062000. Also indicated are Translucent Plastic Laminate for under the stage doors, 5, 6, 7/A-303. There is no such material
3. A-311 has 098433 listed in the Material Key, but not shown.
4. A-811 Detail 11, 12, 13 & 14 show Typ. Classroom Window Seat. No references are shown in any classroom on Floor Plans and/or enlarged plans and elevations.
5. There is a Spec Section 114600 but Unit Kitchens are not shown anywhere on plans.
6. We note again that references are made to A-940 thru A-909 which are not in our set.

cc: Bid File

Total Page(1)



AUSTIN HELLE COMPANY
General Contractor
Canfield Office Park
886-B2 Pompton Avenue
Cedar Grove, New Jersey 07009
Phone: 973 857-3735
Fax: 973 857-2892
REQUEST FOR BID CLARIFICATION

RBC #: 06
A. H. C. BID #: 10-19
PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/13/10
TO: Paul Graebener
COMPANY: Design Ideas Group
FAX: 732-247-1825
PHONE: 732-249-6242
FROM: Alf Johnsen
REF: Spec 096429

Refer to drawings A303 & A311 - Cafetorium.

First we note the Spec Book does not include Spec Section 096429 - Wood Strip and Plank Flooring. Please provide.

Provide mounting details for installing flooring on the walls. Provide termination and transition details where this abuts other products.

Refer to 1 & 2/A303. The elevation showing door V110A does not agree with the plan. The door is a single with no sidelite. Provide the information on the left and right side of that door.

cc: Bid File

Total Page(1)

AUSTIN HELLE COMPANY
General Contractor
Canfield Office Park
886-B2 Pompton Avenue
Cedar Grove, New Jersey 07009
Phone: 973 857-3735
Fax: 973 857-2892
REQUEST FOR BID CLARIFICATION

RBC #: 07
A. H. C. BID #: 10-19
PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/13/10
TO: Paul Graebener
COMPANY: Design Ideas Group
FAX: 732-247-1825
PHONE: 732-249-6242
FROM: Alf Johnsen
REF: Roofing Specs

Refer to Wall Section 1/A635, specifically in the vicinity of the upper "outpiece" to the left of "3" line.

We see 075320 called out at the flat section. This is not in the Spec Book.

We see 072700 (Air Barrier on the Materials Key) called out. This section is not in the Spec Book. Should it be 072500?

We see 077100 called out at the wall cap. This is not in the spec book.

There is a Modified SBS Bitumin Roofing called out a 075200. We do not have this spec.

Please provide missing documents and correct the drawings.

cc: Bid File

Total Page(1)

Paul Graebener

From: Ed Dever [edever@delsano.com]
Sent: Friday, August 13, 2010 3:45 PM
To: Paul Graebener
Cc: Ed Halbach
Subject: New Memorial School RFI 2
Attachments: Picture

Good Afternoon

RFI # 2

Drawing A106 notes Alternate # 7

The Proposal Form does not list this alternate.

Please clarify if this alternate is required for submittal with the proposal and will the bid form be revised? Thank you.

Edward J Dever; LEED AP

Purchasing Manager

2037 Morris Ave Union, New Jersey 07083

Phone: 908-688-8891 ext. 25 Fax: 908-688-8873

edever@delsano.com

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Paul Graebener

From: Groen, Andy [AGroen@beynonsports.com]
Sent: Friday, August 13, 2010 8:31 AM
To: Paul Graebener
Subject: Memorial Elementary School

Mr Graebener,

Beynon Sports Surfaces has been specified as one of the approved suppliers for fluid-applied athletic flooring (09 67 66) on this project. The spec indicates that fluid applied athletic flooring is to be installed in the Auxiliary Gym; however, there is no Aux Gym in the finish schedule or floor plans. Could you clarify this discrepancy?

Thanks so much for your attention,

Andy Groen

Andy Groen
Lead Development Coordinator



16 Alt Road
Hunt Vally MD 21030
United States
Tel: +1 888-240-3670
Fax: +1 410-771-9479
Email: AGroen@beynonsports.com
www.beynonsports.com

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AUSTIN HELLE COMPANY

General Contractor

Canfield Office Park

886-B2 Pompton Avenue

Cedar Grove, New Jersey 07009

Phone: 973 857-3735

Fax: 973 857-2892

REQUEST FOR BID CLARIFICATION

RBC #: 08

A. H. C. BID #: 10-19

PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/16/10

TO: Paul Graebener

COMPANY: Design Ideas Group

FAX: 732-247-1825

PHONE: 732-249-6242

FROM: Alf Johnsen

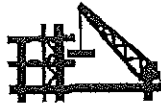
REF: Casework - Cubbies

The Casework Notes on the drawings indicate that "all cubbies will have random selected color compartments." Will random color be used for the back panel only or for the entire compartment.

Depending on how the above is answered, the question could arise, how will the edge be finished?

cc: Bid File

Total Page(1)



Vanas Construction Co., Inc.

249 Lennia Avenue Bogota, NJ 07603
Phone (201) 883-1944 Fax (201) 883-1594

August 17, 2010

Mr. Paul Graebener
Design Ideas Group Architecture & Planning, LLC
15 Bethany Street
New Brunswick, NJ 08901

Re: New Construction
New Memorial Elementary School
East Brunswick, New Jersey

Dear Mr. Graebener:

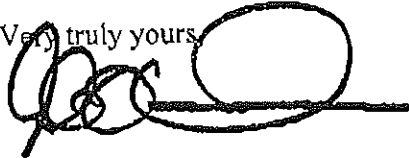
After a cursory review of the Contract Documents, we respectfully request that the following issues be clarified by Addendum.

1. Allowance #2 and #3 on Page 25 of 118 do not include dollar amounts for the allowances. Please provide allowance description and amount.
2. Drawing C1 indicates capping of an existing gas line and remove as indicated. For bidding purposes, it is assumed that the utility company will cut and cap the line at no cost to the General Contractor (fees, if any paid by Owner) and General Contractor will remove the balance of the line indicated to be removed. The utility company has no information on this job and will not advise whether or not a fee will be required. Please advise.
3. Drawing C1 indicates removing existing overhead wires, utility poles and light poles. For bidding purposes, it is assumed that the utility company will disconnect power and remove the wires and the General Contractor will remove and dispose of the poles. Utility company will not advise at this time. Please confirm that this scope of work shall be bid as described herein and Owner will pay any utility fees issued by utility company.
4. Drawing C4 indicates a new gas line from the "cap" point and continuing south into the proposed building. It is assumed that the utility company will extend this line to the meter at the building at no cost to the General Contractor and any fees required by the utility company will be paid by the Owner. Utility company will not advise on fees (if any) at this time.
5. Is the entire property to be enclosed by temporary fence? Please provide temporary fence layout.
6. Please confirm that all footings and foundations from structure that previously existed on site have been removed.
7. Paragraph 10.2.23.1 requires the use of 6'-0" fall protection. Will this be an absolute project requirement as it is not required by OSHA standards and adds a significant amount to the cost of the project? Please confirm.

8. Please clarify who is responsible for testing costs. Section 014000, Paragraph 1.1.A indicates that "The Owner will employ and pay for the service of an Independent Testing Laboratory." Page 033000-12, Paragraph 3.10.A indicates "The contractor will employ a testing laboratory." Section 042000 does not specify who is responsible. Section 051200 indicates, "engage an independent testing and inspection agency." Section 312000, Earth Moving, Page 12, Paragraph 3.20.A indicates "Owner may engage a qualified geotechnical engineer." Please clarify testing responsibilities for project.
9. Please advise if the General Contractor is responsible to include the cost of a LEED Consultant for the duration of the project in their bid or has the Owner obtained a LEED Consultant to compile the requisite paperwork and monitor the LEED progress so as to obtain certification.

Thank you for anticipated prompt response in addressing these issues.

Very truly yours,



Glenn A. Vanas
VANAS CONSTRUCTION CO, INC.

GAV/sjb

Via: Fax (732) 247-1825

AUSTIN HELLE COMPANY

General Contractor
Canfield Office Park
886-B2 Pompton Avenue
Cedar Grove, New Jersey 07009
Phone: 973 857-3735
Fax: 973 857-2892

REQUEST FOR BID CLARIFICATION

RBC #: 09

A. H. C. BID #: 10-19

PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/17/10
TO: Paul Graebener
COMPANY: Design Ideas Group
FAX: 732-247-1825
PHONE: 732-249-6242
FROM: Alf Johnsen
REF: Questions

REVISED
I FOUND DETAIL 1/A-712. PLEASE
CORRECT DOOR SCHEDULE TO LIST HM
DOORS. PROVIDE INFO ON PROJ
SCREEN
ALF

Please provide information on door 105GY-S. Per A-002 this opening is to have a pair of 3'3" wide by 5'8" high leaves. The Door schedule, under the Door column, notes "HM Frame". Please refer to both the Reference Notes in the door schedule columns and in the drawing itself (see Note 3).

Look at the plan on A-111 and the elevations 3/A313, which shows the short in height door frame with leaves. At 5'8" high, someone will get hurt. See also elevation 3/A311, which is cut through the corridor. Something is not right as this shows tack board in the vicinity of the 105GY-S.

Please provide information so this is clear. As it is scheduled, there are no doors. It is not clear what "material is hollow metal frame with sports safety padding mounted to it" means.

We note also that it appears this frame mounts in a type V1 wall- 2 - 8" CMU totaling 1' 6" thick. Show a cut through the wall section with the frame mounting.

cc: Bid File

Total Page(1)

AUSTIN HELLE COMPANY

General Contractor
Canfield Office Park
886-B2 Pompton Avenue
Cedar Grove, New Jersey 07009
Phone: 973 857-3735
Fax: 973 857-2892

REQUEST FOR BID CLARIFICATION

RBC #: 10

A. H. C. BID #: 10-19

PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/17/10

TO: Paul Graebener

COMPANY: Design Ideas Group

FAX: 732-247-1825

PHONE: 732-249-6242

FROM: Alf Johnsen

REF: Fencing & Wall Questions

1. Please provide the limits of the "Privacy Fence" on the West Side of the Property.
2. Provide wall construction details/elevations for the wall on the West side of the property and the wall by Innes Road that is centered on the building. We do not find these on the elevations.
3. Refer to the Outdoor Play area. Detail 3/A205 shows and 8' high fence. Drawing C2 calls for a 6' high Ameristar Echelon II Genesis fence with 2 pairs of 6' wide gates. The door schedule calls for doors EX8 & 9 to be Aluminum Fence Gates by 8' 0" high. Please clarify if this fences should be 6' high or 8' high.

cc: Bid File

Total Page(1)

**AUSTIN HELLE COMPANY**

General Contractor

Canfield Office Park

886-B2 Pompton Avenue

Cedar Grove, New Jersey 07009

Phone: 973 857-3735

Fax: 973 857-2892

REQUEST FOR BID CLARIFICATION

RBC #: 11

A. H. C. BID #: 10-19

PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/17/10

TO: Paul Graebener

COMPANY: Design Ideas Group

FAX: 732-247-1825

PHONE: 732-249-6242

FROM: Alf Johnsen

REF: Alternate #2

Refer to detail 2/A105. Provide this detail showing the necessary adjustments that must be made to accommodate the Hydrotech "green roof" system. A detail similar to 4/A604 should be provided.

A similar detail should be provided at the link roofs where there are "concrete paver walkways on green roof assembly". Show this like 2/A635, without the parapets.

cc: Bid File

Total Page(1)

Paul Graebener

From: Bob Chen [bchen@patock.com]
Sent: Tuesday, August 17, 2010 4:07 PM
To: Paul Graebener
Subject: RFI #1 - New Memorial School, East Brunswick, NJ
Attachments: RFI 01.pdf

Patock Construction Co. – RFI #1

- **Drawing A-311, Elevation 7 and 9 – call for 096428A – Prefinished Solid Hardwood.** There is no specification section as provided. Please provide or clarify.
- **Drawing A-106 indicates deduct alternate Bid #7ai.** Specification Section 011200 – Alternates, only lists six (6) Alternates. It appears that #7ai is part of Alternate #6. Please clarify.
- **Specification Section 012000 – Allowances:** Does not list any allowance or give a description. The Form of Proposal lists three allowances. Allowance #1 is for \$2,000,000 dollars. There are no dollar figures for Allowances #2 & #3. Is this correct? Will any additional allowances besides #1 be used?
- **SDA Project:** The Project Manual alludes that this is a SDA Project. Is this so? And if so, is the school district receiving any SDA funding? Is there a Project Labor Agreement for this project? It is our understanding that there is no Project Labor Agreement.
- **Specification Section 093033 – Stone Tiling, Page 2, 6.2A.** Nothing is spelled out for the basis of design. Also, Drawing A-700, Detail S-9 indicates stone tiling window sill. Does this sill occur only at Detail S-9? Are the rest of the sills on A-700 also stone tiling window sills? How do these sills stay in place? It appears that the sill overhangs are excessive and could easily be broken from the wall.
- **Drawing A-633, Materials Key: 072700 – Air Barriers.** There is no provided specification for 072700A Self-Adhered Air & Water Barrier or 072700B Fluid Applied Non-Permeable Air Barrier. Please provide the missing specification sections.
- **Drawing A005, Wall Types:** Wall Type D has specification material notes 092900A, 092900B, 092900D or 092900G. Please be specific where you are using the respective gypsum board types. Also, 092900D and 081800G do not appear in the Material Key. Also, the gypsum board specifications list gypsum board types as regular, Type X, Flexible Type, Ceiling Type, Foil Back Type, Abuse Resistant Type “X” and Moisture/mold-resistant Type “X”. The Material Key only calls out Regular and Type “X”. Where are the other Types being used? Please provide missing items. It is our understanding that abuse-resistant gypsum board is only to be used at those partitions as detailed on Drawing A-106, which is a single layer of abuse-board on each side of metal studs. We are assuming that no other areas receive this partition type.
- **Drawing A-202, A-203, A-204 and A-205:** have a note #1 at the bottom of the materials legend which states “all translucent exterior linear glass wall assemblies are H1 and H2 as noted”. We cannot find any H2 assemblies anywhere on the drawings. Please provide locations, if applicable.
- **Drawing A-111, Gymnasium 105GY:** A note on floor plan refers to Dimension Plan of sports floor & sleeve location. RE: A904. There is no Drawing A-904 in the bid set. Please provide plan so that we can determine the number of sleeves required and the size of the court layouts.
- **Specification Section 096766 – Fluid Applied Athletic Flooring:** Where does this floor type occur? It is not indicated on the Finish Schedule. The Summary of work says that it occurs at the Auxiliary Gym. Please clarify.
- **Specification Sections 083323, Overhead Coiling Doors and 083326, Overhead Coiling Grilles:** Doors #EX3, EX4, 100SS-A, WR110-B, WR-110-C and SV110-C are called not called as Coiling Grilles. Please advise if any of these doors are actually Coiling Grilles, per Section 083326.

Bob Chen

Project Manager, Patock Construction

732.747.1078 @ Work

732.747.0715 @ Fax

732.804.8273 @ Cell

bchen@patock.com

Request for Information

RFI#: 1
Date: August 17, 2010
Project: New Memorial School, East Brunswick, NJ

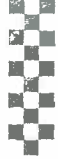
To: Design Ideas Group
Attn:
Phone: (732) 249-6242
Fax: (732) 247-1824
E-Mail: pgraebener@designideagroup.com

From: Bob Chen
Co: Patock Construction
Phone: 7327471078
Fax: 7327470715
E-Mail: bchen@patock.com

References: Miscellaneous

Response Requested By: Bob Palombo, AIA **Date:** 8/17/10

- **Drawing A-311, Elevation 7 and 9 – call for 096428A – Prefinished Solid Hardwood.** There is no specification section as provided. Please provide or clarify.
- **Drawing A-106 indicates deduct alternate Bid #7ai.** Specification Section 011200 – Alternates, only lists six (6) Alternates. It appears that #7ai is part of Alternate #6. Please clarify.
- **Specification Section 012000 – Allowances:** Does not list any allowance or give a description. The Form of Proposal lists three allowances. Allowance #1 is for \$2,000,000 dollars. There are no dollar figures for Allowances #2 & #3. Is this correct? Will any additional allowances besides #1 be used?
- **SDA Project:** The Project Manual alludes that this is a SDA Project. Is this so? And if so, is the school district receiving any SDA funding? Is there a Project Labor Agreement for this project? It is our understanding that there is no Project Labor Agreement.
- **Specification Section 093033 – Stone Tiling, Page 2, 6.2A.** Nothing is spelled out for the basis of design. Also, Drawing A-700, Detail S-9 indicates stone tiling window sill. Does this sill occur only at Detail S-9? Are the rest of the sills on A-700 also stone tiling window sills? How do these sills stay in place? It appears that the sill overhangs are excessive and could easily be broken from the wall.
- **Drawing A-633, Materials Key: 072700 – Air Barriers.** There is no provided specification for 072700A Self-Adhered Air & Water Barrier or 072700B Fluid Applied Non-Permeable Air Barrier. Please provide the missing specification sections.
- **Drawing A005, Wall Types:** Wall Type D has specification material notes 092900A, 092900B, 092900D or 092900G. Please be specific where you are using the respective gypsum board types. Also, 092900D and 081800G do not appear in the Material Key. Also, the gypsum board specifications list gypsum board types as regular, Type X, Flexible Type, Ceiling Type, Foil Back Type, Abuse Resistant Type “X” and Moisture/mold-resistant Type “X”. The Material Key only calls out Regular and Type “X”. Where are the other Types being used? Please provide missing items. It is our understanding that abuse-resistant gypsum board is only to be used at those partitions as detailed on Drawing A-106, which is a single layer of abuse-board on each side of metal studs. We are assuming that no other areas receive this partition type.
- **Drawing A-202, A-203, A-204 and A-205:** have a note #1 at the bottom of the materials legend which states “all translucent exterior linear glass wall assemblies are H1 and H2 as noted”. We cannot find any H2 assemblies anywhere on the drawings. Please provide locations, if applicable.



AUSTIN HELLE COMPANY
General Contractor
Canfield Office Park
886-B2 Pompton Avenue
Cedar Grove, New Jersey 07009
Phone: 973 857-3735
Fax: 973 857-2892
REQUEST FOR BID CLARIFICATION

RBC #: 12
A. H. C. BID #: 10-19
PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/17/10
TO: Paul Graebener
COMPANY: Design Ideas Group
FAX: 732-247-1825
PHONE: 732-249-6242
FROM: Alf Johnsen
REF: Structural Question

**Refer to drawing S-110. See the troughs in the vicinity of columns 16-19 and 21 -23.
Please show the connection details showing how these are supported.**

Also, we have been asked from where R20/S-605 has been cut. Please clarify.

cc: Bid File

Total Page(1)

Paul Graebener

From: Bob Chen [bchen@patock.com]
Sent: Tuesday, August 17, 2010 4:07 PM
To: Paul Graebener
Subject: RFI #2 - New Memorial School, East Brunswick, NJ
Attachments: RFI 02.pdf

Patock Construction Co. – RFI #2

- Please provide a specification for the Automatic transfer switch.
- **Telecommunications drawing T-116, Detail 2 and 3. Detail #3 says Alternate #3, Detail #2 says Alternate #1 but they are both for the same room. Are the alternates both the same?**
- **Would it be safe to assume that we are only providing junction boxes and conduits with pull strings for the Cafetorium and Gymnasium audio visual systems per cafetorium audiovisual conduit riser on AV-201 and Gymnasium Audiovisual conduit riser on AV-202?**
- **Electrical drawings for exit signs do not indicate which type of exit sign shall be used EX or EX1?**
- **Electrical drawings E2.1 to E2.3d indicate that a TYPE R fixture shall be installed in various rooms. According to lighting fixture schedule on sheet E6.5 the TYPE R fixture is a surface mounted 2x4 18 cells parabolic. This fixture is shown in rooms with and without lay-in ceilings (storage rooms, mechanical rooms, kitchen areas, etc). Is this the correct fixture for all of these locations?**
- **Electrical site plan E1.0 does not indicate any type SB type lighting fixtures in courtyard but does show (2) SA type lighting fixtures. According to lighting plan C9 there are a total of (10) SB type fixture shown in courtyard and (0) SA. Which is drawing should is correct E1.0 or C9?**
- **Electrical sheet E6.5 lighting schedule. The following fixtures types are not indicated on drawing. EM, EM1, M, M1, Q, V, W and Y. Are these fixtures not being used?**

Bob Chen
Project Manager, Patock Construction
732.747.1078 @ Work
732.747.0715 @ Fax
732.804.8273 @ Cell
bchen@patock.com

Request for Information

RFI#: 2
Date: August 17, 2010
Project: New Memorial School, East Brunswick, NJ

To: Design Ideas Group
Attn:
Phone: (732) 249-6242
Fax: (732) 247-1824
E-Mail: pgraebener@designideagroup.com

From: Bob Chen
Co: Patock Construction
Phone: 7327471078
Fax: 7327470715
E-Mail: bchen@patock.com

References: Electrical

Response Requested By: Steve Walsh **Date:** 8/17/10

- Please provide a specification for the Automatic transfer switch.
- **Telecommunications drawing T-116, Detail 2 and 3. Detail #3 says Alternate #3, Detail #2 says Alternate #1 but they are both for the same room.** Are the alternates both the same?
- Would it be safe to assume that we are only providing junction boxes and conduits with pull strings for the Cafetorium and Gymnasium audio visual systems per cafetorium audiovisual conduit riser on AV-201 and Gymnasium Audiovisual conduit riser on AV-202?
- Electrical drawings for exit signs do not indicate which type of exit sign shall be used EX or EX1?
- **Electrical drawings E2.1 to E2.3d indicate that a TYPE R fixture shall be installed in various rooms. According to lighting fixture schedule on sheet E6.5 the TYPE R fixture is a surface mounted 2x4 18 cells parabolic. This fixture is shown in rooms with and without lay-in ceilings (storage rooms, mechanical rooms, kitchen areas, etc).** Is this the correct fixture for all of these locations?
- **Electrical site plan E1.0 does not indicate any type SB type lighting fixtures in courtyard but does show (2) SA type lighting fixtures. According to lighting plan C9 there are a total of (10) SB type fixture shown in courtyard and (0) SA.** Which is drawing should is correct E1.0 or C9?
- **Electrical sheet E6.5 lighting schedule. The following fixtures types are not indicated on drawing. EM, EM1, M, M1, Q, V, W and Y.** Are these fixtures not being used?

- **Drawing A-111, Gymnasium 105GY:** A note on floor plan refers to Dimension Plan of sports floor & sleeve location. RE: A904. There is no Drawing A-904 in the bid set. Please provide plan so that we can determine the number of sleeves required and the size of the court layouts.
- **Specification Section 096766 – Fluid Applied Athletic Flooring:** Where does this floor type occur? It is not indicated on the Finish Schedule. The Summary of work says that it occurs at the Auxiliary Gym. Please clarify.
- **Specification Sections 083323, Overhead Coiling Doors and 083326, Overhead Coiling Grilles:** Doors #EX3, EX4, 100SS-A, WR110-B, WR-110-C and SV110-C are called not called as Coiling Grilles. Please advise if any of these doors are actually Coiling Grilles, per Section 083326.

Paul Graebener

From: Lisa [lawhitt@jansonindustries.com]
Sent: Tuesday, August 17, 2010 4:23 PM
To: Paul Graebener
Subject: NJ- EAST BRUNSWICK MEMORIAL

Paul,

I was looking at the plans and specs for the stage equipment for this project and I have located the stage 110 in the cafetorium. The specs also mention pipe grids 116143-3 b (c), am I missing a room? Please advise..

..*") ..*)
(..'Lisa Whitt
Adminstrative Assistant, Estimating
Janson Industries
PO Box 6090 - 1200 Garfield Avenue SW
Canton, Ohio 44706
Tel: 800.548.8982 Fax: 330.455.5919



AUSTIN HELLE COMPANY
General Contractor
Canfield Office Park
886-B2 Pompton Avenue
Cedar Grove, New Jersey 07009
Phone: 973 857-3735
Fax: 973 857-2892
REQUEST FOR BID CLARIFICATION

RBC #: 13
A. H. C. BID #: 10-19
PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/17/10
TO: Paul Graebener
COMPANY: Design Ideas Group
FAX: 732-247-1825
PHONE: 732-249-6242
FROM: Alf Johnsen
REF: Transcontinental Gas Pipeline

The Civil plans show the easement for the Transcontinental Gas pipeline. Are there any special work rules associated with this area?

Paul Graebener

From: Ed Dever [edever@delsano.com]
Sent: Wednesday, August 18, 2010 4:57 PM
To: Paul Graebener
Cc: Ed Halbach
Subject: RFI # 3 New Memorial School East Brunswick
Attachments: Picture

Good Afternoon Paul,

RFI # 3

Instructions to Bidders

Page 12 section 12.2 states:

"Except as to those permits and licenses, if any, with respect to which the Contract Documents expressly fix responsibility on the Architect, Owner, or other person or entity, the Contractor shall be responsible for filing for and obtaining all applicable permits or licenses from any government entity that has jurisdiction to require the same. All bids submitted shall have included this cost."

Can an allowance be determined for the cost of the permits so all bidders are on fair playing ground for this item?

RFI # 4

Does the Demolition Contractors scope of work included removal and disposal of footings and foundation as well as backfill of any basement or subgrade area or is the cost of this work to be included with this Proposal?

Edward J Dever; LEED AP

Purchasing Manager

2037 Morris Ave Union, New Jersey 07083

Phone: 908-688-8891 ext. 25 Fax: 908-688-8873

edever@delsano.com

 Please consider the environment before printing this e-mail.

This message and any attachments are solely for the intended recipient. If you are not the intended recipient, disclosure, copying, use or distribution of the information included in this message is prohibited -- Please immediately and permanently delete this E-mail.

AUSTIN HELLE COMPANY

General Contractor
 Canfield Office Park
 886-B2 Pompton Avenue
 Cedar Grove, New Jersey 07009
 Phone: 973 857-3735
 Fax: 973 857-2892

REQUEST FOR BID CLARIFICATION

RBC #: 14

A. H. C. BID #: 10-19

PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: ~~08/17/10~~ 8/18
 TO: Paul Graebener
 COMPANY: Design Ideas Group
 FAX: 732-247-1825
 PHONE: 732-249-6242
 FROM: Alf Johnsen
 REF: Questions

REVISED QUESTION 4
 SEE ALSO 1b/A-205 WHICH SHOWS THE RAIL
 @ 31-37 AS GALV STEEL GUARD RAILS WITH GALV
 STEEL PERFORATED PANELS
 PLEASE ADVISE: ALUM OR GALV STEEL?

1. Detail 3/A-110 shows the wall around the Outdoor Cooling Unit to be 18' 6" high. See also 4/A-613. Drawing C2 notes the wall is 22' high. Which is correct?

2. Spec 09-30-33 is for Stone Tiling and is noted to be for Window Sills. Please complete the spec selection process for the stone products in paragraph 2.1.G.

Please clarify where the stone sills are to be installed. Among other places, we find sections such as 3/A631, 1, 2, 3/A632 and 1, 2/A633. These show stone sills in certain rooms and not in others. We find no sills in Kindergarten, 1st Grade or SGI rooms but do find them in 5th grade rooms. There are many windows on this job. Please provide specifics of what get stone sills and what does not. Also, provide construction details of the sills with and without stone sills. A700 does not provide dimensioned details.

3. C11 shows a 30' flagpole. Spec 107500 calls for a 40' flagpole. Which is correct?

4. A-103 shows Painted Aluminum Handrail on 6" x 6" precast concrete curb both at 9/F-G and the area shown in 2/A-103. Is all of this work to be as shown on 1/A607 or is it simple Handrail? Provide details of mounting to 6" x 6" precast concrete curb.

In the same roof garden area there are two areas noted as "fence enclosure" around mechanical equipment. Is this the same product as shown on 1/A607 or is it fencing of some sort? If so, what type and how high?

Spec 055213 calls for Clear anodized Aluminum railing. Painted or Clear Anodized?

cc: Bid File

Total Page(1)



AUSTIN HELLE COMPANY

General Contractor

Canfield Office Park

886-B2 Pompton Avenue

Cedar Grove, New Jersey 07009

Phone: 973 857-3735

Fax: 973 857-2892

REQUEST FOR BID CLARIFICATION

RBC #: 16

A. H. C. BID #: 10-19

PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/18/10

TO: Paul Graebener

COMPANY: Design Ideas Group

FAX: 732-247-1825

PHONE: 732-249-6242

FROM: Alf Johnsen

REF: Outdoor Planters

Please clarify the construction of the "planting islands (see Architectural Drawings)" shown on C2. Are they curbs or are they fancy structures as the rendering on the Cover Page A-000 shows. Since we find no information we will figure curbs unless advised otherwise.

Please advise.

cc: Bid File

Total Page(1)



AUSTIN HELLE COMPANY
General Contractor
Canfield Office Park
886-B2 Pompton Avenue
Cedar Grove, New Jersey 07009
Phone: 973 857-3735
Fax: 973 857-2892
REQUEST FOR BID CLARIFICATION

RBC #: 15
A. H. C. BID #: 10-19
PROJECT: New Memorial Elementary School, East Brunswick, NJ

DATE: 08/18/10
TO: Paul Graebener
COMPANY: Design Ideas Group
FAX: 732-247-1825
PHONE: 732-249-6242
FROM: Alf Johnsen
REF: Sump Pits and Pump

Regarding the sump pit for Duplex pumps P-3A & B, Drawing P7.2 directs to go to the Architecturals for details on the "waterproof concrete vault". We do not find these details. Please provide these construction details.

Drawing C2 shows a Foundation Drain Sump Well. See also A-110. If there is to be a pump, please provide information on the pump.

cc: Bid File

Total Page(1)

Paul Graebener

From: Larry Romano [LRomano@wallacegc.com]
Sent: Thursday, August 19, 2010 12:00 PM
To: Paul Graebener
Subject: Wallace Bros. - The New Memorial Elementary School East Brunswick

Hello Paul,
RFI- EBES01

Regarding allowances; Allowance #1 has a total of \$2,000,000 for Contingency work. Then there are Allowances #2 and #3 in the bid form that have no totals attached to them.

Are Allowances #2 and #3 part of the bid and if so what are the dollar amounts of the allowances?

Thank you,
Larry Romano Estimator
Wallace Bros. Inc.
413 Railroad Square Plaza
Point Pleasant Beach, New Jersey 08742
Phone: 732-295-9340
Fax: 732-295-5358
lromano@wallacegc.com



LEED 2009 for Schools New Construction and Major Renovation

Project Name: East Brunswick School District - New Memorial Elementary School

Project Checklist

Date: 4-28-2010-r

14 1 10 Sustainable Sites Possible Points: 24

Y	N	?			
Y			Prereq 1	Construction Activity Pollution Prevention	
1			Prereq 1	Environmental Site Assessment	
1			Credit 1	Site Selection	1
		4	Credit 2	Development Density and Community Connectivity	4
1			Credit 3	Brownfield Redevelopment	1
		4	Credit 4.1	Alternative Transportation—Public Transportation Access	4
		1	Credit 4.2	Alternative Transportation—Bicycle Storage and Changing Rooms	1
2			Credit 4.3	Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles	2
2			Credit 4.4	Alternative Transportation—Parking Capacity	2
1			Credit 5.1	Site Development—Protect or Restore Habitat	1
1			Credit 5.2	Site Development—Maximize Open Space	1
1			Credit 6.1	Stormwater Design—Quantity Control	1
1			Credit 6.2	Stormwater Design—Quality Control	1
		1	Credit 7.1	Heat Island Effect—Non-roof	1
1			Credit 7.2	Heat Island Effect—Roof	1
1			Credit 8	Light Pollution Reduction	1
1			Credit 9	Site Master Plan	1
1			Credit 10	Joint Use of Facilities	1

6 3 2 Water Efficiency Possible Points: 11

Y	N	?			
			Prereq 1	Water Use Reduction—20% Reduction	
4			Credit 1	Water Efficient Landscaping	2 to 4
2			Credit 2	Innovative Wastewater Technologies	2
2	1	1	Credit 3	Water Use Reduction	2 to 4
		1	Credit 3	Process Water Use Reduction	1

7 17 9 Energy and Atmosphere Possible Points: 33

Y	N	?			
Y			Prereq 1	Fundamental Commissioning of Building Energy Systems	
Y			Prereq 2	Minimum Energy Performance	
Y			Prereq 3	Fundamental Refrigerant Management	
5	12	2	Credit 1	Optimize Energy Performance	1 to 19
1	3	3	Credit 2	On-Site Renewable Energy	1 to 7
		2	Credit 3	Enhanced Commissioning	2
1			Credit 4	Enhanced Refrigerant Management	1
		2	Credit 5	Measurement and Verification	2
		2	Credit 6	Green Power	2

5 6 2 Materials and Resources Possible Points: 13

Y	N	?			
Y			Prereq 1	Storage and Collection of Recyclables	
		2	Credit 1.1	Building Reuse—Maintain Existing Walls, Floors, and Roof	1 to 2
		1	Credit 1.2	Building Reuse—Maintain 50% of Interior Non-Structural Elements	1
2			Credit 2	Construction Waste Management	1 to 2

Materials and Resources, Continued

Y	N	?			
		2	Credit 3	Materials Reuse	1 to 2
1		1	Credit 4	Recycled Content	1 to 2
1	1		Credit 5	Regional Materials	1 to 2
		1	Credit 6	Rapidly Renewable Materials	1
1			Credit 7	Certified Wood	1

12 1 8 Indoor Environmental Quality Possible Points: 19

Y	N	?			
Y			Prereq 1	Minimum Indoor Air Quality Performance	
Y			Prereq 2	Environmental Tobacco Smoke (ETS) Control	
Y			Prereq 3	Minimum Acoustical Performance	
1			Credit 1	Outdoor Air Delivery Monitoring	1
		1	Credit 2	Increased Ventilation	1
1			Credit 3.1	Construction IAQ Management Plan—During Construction	1
1			Credit 3.2	Construction IAQ Management Plan—Before Occupancy	1
5		1	Credit 4	Low-Emitting Materials	1 to 4
1			Credit 5	Indoor Chemical and Pollutant Source Control	1
1			Credit 6.1	Controllability of Systems—Lighting	1
		1	Credit 6.2	Controllability of Systems—Thermal Comfort	1
1			Credit 7.1	Thermal Comfort—Design	1
		1	Credit 7.2	Thermal Comfort—Verification	1
		3	Credit 8.1	Daylight and Views—Daylight	1 to 3
		1	Credit 8.2	Daylight and Views—Views	1
1			Credit 9	Enhanced Acoustical Performance	1
		1	Credit 10	Mold Prevention	1

1 4 1 Innovation and Design Process Possible Points: 6

Y	N	?			
		1	Credit 1.1	Innovation in Design: Specific Title	1
		1	Credit 1.2	Innovation in Design: Specific Title	1
		1	Credit 1.3	Innovation in Design: Specific Title	1
		1	Credit 1.4	Innovation in Design: Specific Title	1
1			Credit 2	LEED Accredited Professional	1
		1	Credit 3	The School as a Teaching Tool	1

4 Regional Priority Credits Possible Points: 4

Y	N	?			
		1	Credit 1.1	Regional Priority: Specific Credit	1
		1	Credit 1.2	Regional Priority: Specific Credit	1
		1	Credit 1.3	Regional Priority: Specific Credit	1
		1	Credit 1.4	Regional Priority: Specific Credit	1

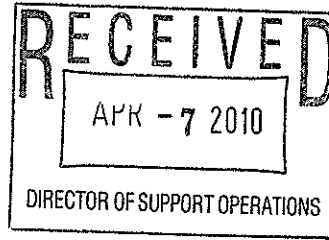
45 36 32 Total Possible Points: 110

Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110



PSEG

DEMOLITION



P.O. BOX 790
CRANFORD N.J. 07016
PHONE : (800) 817-3366
FAX : (908) 497-1878
demolition@pseg.com

TO : EAST BRUNSWICK BOARD OF EDUCATION

FAX : (732) 698-0914

FROM : PSEG DEMOLITION

NO. OF PAGES : 1 NOT INCLUDING COVER SHEET

REMARKS : PLEASE NOTIFY US IMMEDIATELY AT THE ABOVE NUMBER, IF ON YOUR INSPECTION, YOU FIND "LIVE" GAS LINES
OR ELECTRIC WIRES, TRANSFORMERS, TRANSFORMER PADS, POLES, ETC. THAT HAVE NOT BEEN REMOVED.

Public Service Electric and Gas Company
P.O. Box 1023, Cranford, N.J. 07016-0790
demolition@pseg.co



07-Apr-10

EAST BRUNSWICK BOARD OF EDUCATION
760 RTE 18
EAST BRUNSWICK N.J. 08816

Re: Completion of Service Removal

Dear Customer :

As per your request ,the gas and electric services have been disconnected and removed.
At this time, demolition is permitted at the following address:

**14 INNES ROAD
EAST BRUNSWICK**

Please feel free to contact us if you need further assistance with this project or any future projects.
Thank you for your patience, cooperation and continued support.

Sincerely,

A handwritten signature in black ink that reads "Lorraine Gray". The signature is written in a cursive, flowing style.

L. Gray Supervisor
PSEG Demolition Department
800-817-3366

SECTION 10 75 00 - FLAGPOLES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Flagpoles and all accessories to complete the installation.

1.2 RELATED SECTIONS

1. Section 03 30 53 Miscellaneous Cast-in-Place Concrete for flag pole foundation – 4'-0"

1.3 PERFORMANCE REQUIREMENTS

- A. Flagpole With Flag Flying: Resistant without permanent deformation to 45 miles/hr wind velocity; non-resonant, safety design factor of 2.5.
- B. Flagpole Without Flag: Resistant without permanent deformation to 125 miles/hr wind velocity; non-resonant, safety design factor of 2.5.

1.4 SUBMITTALS

A. Shop Drawings:

1. Indicate detailed dimensions, base, base attachment details, anchor requirements, and imposed loads.

B. Product Data:

1. Submit data on pole, accessories, configurations, and finishes.

C. LEED Certificate Submittals:

1. Credit MR 4.1 Recycled Content:
 - a. Certify that recycled material content for flagpoles.
 - 1) Indicate post-consumer recycled content percent by weight.
 - 2) Indicate post-industrial recycled content percent by weight.
 - 3) Indicate cost of Products, excluding cost of labor and equipment for installation.
2. Credit MR 5.1 Local/Regional Materials, Manufactured Locally:
 - a. Certify that flagpoles are manufactured within 500 miles of Project site.
 - 1) Indicate manufacturing or fabrication location and distance to site in miles.
 - 2) Indicate cost of Products, excluding cost of labor and equipment for installation.

1.5 QUALIFICATIONS

- A. Design flagpole supports under direct supervision of Professional Engineer experienced in design of this Work and licensed in the State of New Jersey.

1.6 DELIVERY, STORAGE, AND HANDLING

PART 2 - PRODUCTS

2.1 FLAGPOLES

A. Manufacturers: Provide one of the following:

1. Acme Flagpole Co., Div. Of Lingo Inc.
2. Pole Tech Flagpole Manufacturing.
3. Ewing International.
4. Or approved equal.

2.2 COMPONENTS

- A. Aluminum: ASTM B241, 6063 alloy, T6 temper.
- B. Outside Butt Diameter: 7 inches.
- C. Outside Tip Diameter: 3-1/2 inches.
- D. Nominal Wall Thickness: 0.156 inch.
- E. Nominal Height: 30 feet; measured from ground elevation.
- F. Flagpole: Ground mounted type.
- G. Flagpole Design: Cone tapered.
- H. Halyard: Interior type.

2.3 ACCESSORIES

- A. Finial Ball: Aluminum, 7 inch diameter.
- B. Truck Assembly: Cast aluminum, non-fouling.
- C. Cleats: 9 inch size, aluminum with galvanized steel fastenings, two for each halyard.
- D. Halyard: 5/16 inch diameter polypropylene, braided , white.
- E. Connecting Sleeve For Multiple Section Poles: Same material as pole, precision fit for field assembly of pole, concealed fasteners.
- F. Hand Crank Operator: Removable type.
- G. Foundation Tube Sleeve: Corrugated 16 gage steel, galvanized.
- H. Lightning Ground Cable: Copper No. 6 AWG, soft drawn.

- I. 4'-0" x 4'-0" by 8'-0" deep 3,500 psi mass concrete foundation for steel sleeve (Item G above).

2.4 FACTORY FINISHING

- A. Metal Surfaces in Contact With Concrete: Asphaltic paint.
- B. Aluminum: Mill finish.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Verify foundation and attachment devices are ready to receive work and dimensions are as indicated on shop drawings.

3.2 INSTALLATION

- A. Install flag pole in accordance with manufacturer's instructions and approved shop drawings.

3.3 ERECTION TOLERANCES

- A. Maximum Variation From Plumb: 1 inch.

3.4 ADJUSTING

- A. Adjust operating devices so halyard function smoothly.

END OF SECTION 10 75 00

SECTION 12 24 13 – ROLLER WINDOW SHADES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Solar and room darkening roller shades.
 - 1. Install solar shades in all rooms having south (only) facing exterior window wall exposure (aluminum frame windows only). Shade Type RS-1.
 - 2. Install Bottom up motorized fabric tension shades at Cafetorium, located at angled channel glass location. See elevations for location. Shade Type RS-2.
 - 3. Install top down motorized shade at cafetorium rear wall elevation. Shade Type RS-3.
 - 4. Install solar shades.
 - 5. Corridors and stair enclosures, Technology Literacy do not receive shades.

1.2 RELATED SECTIONS

- A. Section 06 10 00 - Rough Carpentry: Wood blocking and grounds for mounting roller shades and accessories.
- B. Section 09 29 00 - Gypsum Board: Coordination with gypsum board assemblies for installation of shade pockets, closures and related accessories.
- C. Section 09 51 00 - Acoustical Ceilings: Coordination with acoustical ceiling systems for installation of shade pockets, closures and related accessories.
- D. Division 16 - Electrical: Electric service for motor controls.

1.3 REFERENCES

- A. ASTM G 21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
- B. NFPA 701 - Fire Tests for Flame-Resistant Textiles and Films.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Styles, material descriptions, dimensions of individual components, profiles, features, finishes and operating instructions.
 - 3. Storage and handling requirements and recommendations.
 - 4. Mounting details and installation methods.

- C. Shop Drawings: Plans, elevations, sections, product details, installation details, operational clearances, and relationship to adjacent work.
 - 1. Prepare shop drawings on Autocad or Microstation format using base sheets provided electronically by the Architect.
- D. Window Treatment Schedule: For all roller shades. Use same room designations as indicated on the Drawings and include opening sizes and key to mounting details.
- E. Selection Samples: For each finish product specified, one set of shade cloth options and aluminum finish color samples representing manufacturer's full range of available colors and patterns.
- F. Verification Samples: For each finish product specified, one complete set of shade components, unassembled, demonstrating compliance with specified requirements. Shadecloth sample and aluminum finish sample as selected. Mark face of material to indicate interior faces.
- G. Maintenance Data: Methods for maintaining roller shades, precautions regarding cleaning materials and methods, instructions for operating hardware and controls.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Obtain roller shades through one source from a single manufacturer with a minimum of twenty years experience in manufacturing products comparable to those specified in this section.
- B. Installer Qualifications: Installer trained and certified by the manufacturer with a minimum of ten years experience in installing products comparable to those specified in this section.
- C. Fire-Test-Response Characteristics: Passes NFPA 701 small and large-scale vertical burn. Materials tested shall be identical to products proposed for use.
- D. Anti-Microbial Characteristics: 'No Growth' per ASTM G 21 results for fungi ATCC9642, ATCC 9644, ATCC9645.
- E. Mock-Up: Provide a mock-up (manual shades only) of one roller shade assembly for evaluation of mounting, appearance and accessories.
 - 1. Locate mock-up in window designated by Architect.
 - 2. Do not proceed with remaining work until, mock-up is accepted by Architect.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver shades in factory-labeled packages, marked with manufacturer and product name, fire-test-response characteristics, and location of installation using same room designations indicated on Drawings and in the Window Treatment Schedule.

1.7 PROJECT CONDITIONS

- A. Environmental Limitations: Install roller shades after finish work including painting is complete and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

1.8 WARRANTY

- A. Standard Shadecloth: Manufacturer's standard twenty-five year warranty.
- B. Roller Shade Installation: One year from date of Substantial Completion, not including scaffolding, lifts or other means to reach inaccessible areas.
- C. Motorized Roller Shade Hardware, and Shadecloth: Manufacturer's standard non-depreciating 25 year warranty

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer's: MechoShade Systems, Inc. – Basis of Design. Manufacturer: MechoShade Systems, Inc., which is located at: 42-03 35th St. ; Long Island City, NY 11101; Tel: 732-991-1395; Email: jerryf@mechoshade.com; Web: www.mechoshade.com
- B. Nysan
- C. Silent Gliss

2.2 ROLLER SHADE TYPES

- A. Solar Shades (RS-1)
 - 1. Mounting: Surface mounted with aluminum finished fascia.
 - 2. Configuration: Shop screen roller shade.
 - 3. Solar Sunscreen Shade Cloths:
 - a. Fabric: Euroveil 6000 Series Twill Weave 3% open.
 - b. Color: Selected from manufacturer's standard colors.
 - 4. Controls: Manually operated.
- B. Solar Shades (RS-2)
 - 1. Mounting: Bottom Up Surface mounted to face of Steel Truss complete with fascia
 - 2. Configuration: Shop screen roller shade.
 - 3. Solar Sunscreen Shade Cloths:
 - a. Fabric: Euroveil 6000 Series Twill Weave 3% open.
 - b. Color: Selected from manufacturer's standard colors.
 - 4. Controls: IQ Motorized Shades.
- C. Solar Shades (RS-3)
 - 1. Mounting: Surface mounted to face of Steel Truss complete with Snap-Loc fascia.
 - 2. Configuration: Shop screen roller shade.
 - 3. Solar Sunscreen Shade Cloths:
 - c. Fabric: Acoustiveil Series # 0890.
 - d. Color: Selected from manufacturer's standard colors.
 - 4. Controls: IQ Motorized Shades.

D. Bid Requirements for Roller Shade Installer/Contractor:

1. Roller Shade Hardware, shade fabric, motor, and all related controls shall be furnished and installed as a complete assembly.
2. All electrical and electronic controls and accessories required for a complete control system including appropriate interface to communicate with stand alone BAS/BMS, Day Lighting, AV, or central integration contractor, shall be provided as part of the roller shade Installer / contractor based proposal as separate line items listing the control / interface components provided. Equipment shall include, but not be limited to motor controllers, dry contact closures, RS-232, or RS-485 interface units, transformers, relays, and/or interface units as required.
3. Roller Shade Installer/Contractor shall list all components included in their bid and shall be financially responsible for any change orders and/or back charges required by the BMS, AV, or Lighting Control Systems contractors to interface with the motorized roller shade system.

2.3 SHADE BAND

- A. Shade Bands: Construction of shade band includes the fabric, the hem weight, hem-pocket, shade roller tube, and the attachment of the shade band to the roller tube. Sewn hems and open hem pockets are not acceptable.
1. Hem Pockets and Hem Weights: Fabric hem pocket with RF-welded seams (including welded ends) and concealed hem weights. Hem weights shall be of appropriate size and weight for shade band. Hem weight shall be continuous inside a sealed hem pocket. Hem pocket construction and hem weights shall be similar, for all shades within one room.
 2. Shade Band and Shade Roller Attachment:
 - a. Use extruded aluminum shade roller tube of a diameter and wall thickness required to support shade fabric without excessive deflection. Roller tubes less than 1.55 inch (39.37 mm) in diameter for manual shades, and less than 2.55 inches (64.77 mm) for motorize shades are not acceptable.
 - b. Provide for positive mechanical engagement with drive / brake mechanism.
 - c. Provide for positive mechanical attachment of shade band to roller tube; shade band shall be made removable / replaceable with a "snap-on" snap-off" spline mounting, without having to remove shade roller from shade brackets.
 - d. Mounting spline shall not require use of adhesives, adhesive tapes, staples, and/or rivets.
 - e. Any method of attaching shade band to roller tube that requires the use of: adhesive, adhesive tapes, staples, and/or rivets are not acceptable.

2.4 SHADE FABRICATION

- A. Fabricate units to completely fill existing openings either individual window units in wall and/or ribbon type continuous windows for entire room length from head to sill and jamb-to-jamb, unless specifically indicated otherwise.

- B. Fabricate shadecloth to hang flat without buckling or distortion. Fabricate with heat-sealed trimmed edges to hang straight without curling or raveling. Fabricate unguided shadecloth to roll true and straight without shifting sideways more than 1/8 inch (3.18 mm) in either direction per 8 feet (2438 mm) of shade height due to warp distortion or weave design. Fabricate hem as follows:
 - 1. Standard concealed hem bar.
- C. Provide battens in standard shades as required to assure proper tracking and uniform rolling of the shadebands. Contractor shall be responsible for assuring the width-to-height (W:H) ratios shall not exceed manufacturer's standards or, in absence of such standards, shall be responsible for establishing appropriate standards to assure proper tracking and rolling of the shadecloth within specified standards. Battens shall be roll-formed stainless steel or tempered steel, as required.
- D. For railroaded shadebands, provide seams in railroaded multi-width shadebands as required to meet size requirements and in accordance with seam alignment as acceptable to Architect. Seams shall be properly located. Furnish battens in place of plain seams when the width, height, or weight of the shade exceeds manufacturer's standards. In absence of such standards, assure proper use of seams or battens as required to, and assure the proper tracking of the railroaded multi-width shadebands.
- E. Provide battens for railroaded shades when width-to-height (W:H) ratios meet or exceed manufacturer's standards. In absence of manufacturer's standards, be responsible for proper use and placement of battens to assure proper tracking and roll of shadebands.
- F. Blackout shadebands, when used in side channels, shall have horizontally mounted, roll-formed stainless steel or tempered-steel battens not more than 3 feet (115 mm) on center extending fully into the side channels. Battens shall be concealed in a integrally-colored fabric to match the inside and outside colors of the shadeband, in accordance with manufacturer's published standards for spacing and requirements.
 - 1. Battens shall be roll formed of stainless steel or tempered steel and concave to match the contour of the roller tube.
 - 2. Batten pockets shall be self-colored fabric front and back RF welded into the shadecloth. A self-color opaque liner shall be provided front and back to eliminate any see through of the batten pocket that shall not exceed 1-1/2 inches (38.1 mm) high and be totally opaque. A see-through moire effect, which occurs with multiple layers of transparent fabrics, shall not be acceptable.

2.5 COMPONENTS

- A. Access and Material Requirements:
 - 1. Provide shade hardware allowing for the removal of shade roller tube from brackets without removing hardware from opening and without requiring end or center supports to be removed.
 - 2. Provide shade hardware that allows for removal and re-mounting of the shade bands without having to remove the shade tube, drive or operating support brackets.
- B. Manual Operated Chain Drive Hardware and Brackets:
 - 1. Provide for universal, regular and offset drive capacity, allowing drive chain to fall at front, rear or non-offset for all shade drive end brackets. Universal offset shall be adjustable for future change.
 - 2. Provide hardware capable for installation of a removable fascia, for both regular and/or

- reverse roll, which shall be installed without exposed fastening devices of any kind.
3. Provide shade hardware system that allows for removable regular and/or reverse roll fascias to be mounted continuously across two or more shade bands without requiring exposed fasteners of any kind.
 4. Provide shade hardware system that allows for operation of multiple shade bands (multi-banded shades) by a single chain operator, subject to manufacturer's design criteria. Connectors shall be offset to assure alignment from the first to the last shade band.
 5. Provide shade hardware system that allows multi-banded manually operated shades to be capable of smooth operation when the axis is offset a maximum of 6 degrees on each side of the plane perpendicular to the radial line of the curve, for a 12 degrees total offset.
 6. Provide positive mechanical engagement of drive mechanism to shade roller tube. Friction fit connectors for drive mechanism connection to shade roller tube are not acceptable
 7. Provide shade hardware constructed of minimum 1/8-inch (3.18 mm) thick plated steel or heavier as required to support 150 percent of the full weight of each shade.
 8. Drive Bracket / Brake Assembly:
 - a. MechoShade Drive Bracket model M5 shall be fully integrated with all MechoShade accessories, including, but not limited to: SnapLoc fascia, room darkening side / sill channels, center supports and connectors for multi-banded shades.
 - b. M5 drive sprocket and brake assembly shall rotate and be supported on a welded 3/8 inch (9.525 mm) steel pin.
 - c. The brake shall be an over-running clutch design which disengages to 90 percent during the raising and lowering of a shade. The brake shall withstand a pull force of 50 lbs. (22 kg) in the stopped position.
 - d. The braking mechanism shall be applied to an oil-impregnated hub on to which the brake system is mounted. The oil impregnated hub design includes an articulated brake assembly, which assures a smooth, non-jerky operation in raising and lowering the shades. The assembly shall be permanently lubricated. Products that require externally applied lubrication and or not permanently lubricated are not acceptable.
 - e. The entire M5 assembly shall be fully mounted on the steel support bracket, and fully independent of the shade tube assembly, which may be removed and reinstalled without effecting the roller shade limit adjustments.
 - f. Drive Chain: #10 qualified stainless steel chain rated to 90 lb. (41 kg) minimum breaking strength. Nickel plate chain shall not be accepted.

2.6 ACCESSORIES

- A. Fascia (to be provided when not installed into Architectural Shade Pocket in ceiling):
 1. Continuous removable extruded aluminum fascia that attaches to shade mounting brackets without the use of adhesives, magnetic strips, or exposed fasteners.
 2. Fascia shall be able to be installed across two or more shade bands in one piece.
 3. Fascia shall fully conceal brackets, shade roller and fabric on the tube.
 4. Provide bracket / fascia end caps where mounting conditions expose outside of roller shade brackets.
 5. Notching of Fascia for manual chain shall not be acceptable.
- B. Motorized Shade Hardware and Shade Brackets:

1. Provide shade hardware constructed of minimum 1/8-inch (3.18 mm) thick plated steel, or heavier, thicker, as required to support 150 percent of the full weight of each shade. Plastic components without use of steel angle construction do not meet the intent of this specification and shall not be accepted. Please note that Life safty brackets will be required in the Cafetorium, at all shade locations where shades are more then 15'-0" AFF.
2. Provide shade hardware system that allows for field adjustment of motor or replacement of any operable hardware component without requiring removal of brackets, regardless of mounting position (inside, or outside mount).
3. Provide shade hardware system that allows for operation of multiple shade bands offset by a maximum of 8-45 degrees from the motor axis between shade bands (4-22.5 degrees) on each side of the radial line, by a single shade motor (multi-banded shade, subject to manufacturer's design criteria). All bands within a single motor group shall be aligned within 1/4".

C. INTELLIGENT ENCODED SHADE MOTOR DRIVE SYSTEM

Shade Motors:

Intelligent Encoded Motor & Control System: Tubular, asynchronous (non-synchronous) motors, with built-in reversible capacitor operating at 110v AC (60hz), single phase, temperature Class A, thermally protected, totally enclosed, maintenance free with line voltage power supply equipped with locking disconnect plug assembly furnished with each motor.

Conceal motors inside shade roller tube.

Maximum current draw for each shade motor of 2.3 amps.

Use motors rated at the same nominal speed for all shades in the same room.

Total hanging weight of shade band shall not exceed 80 percent of the rated lifting capacity of the shade motor and tube assembly.

Intelligent Encoded Motor System: Specifications and design are based on the Intelligent Motor Control System / WhisperShade-IQ™ Motor System) as manufactured by MechoShade Systems, Inc. Other systems may be acceptable providing all of the following performance capabilities are provided. Motor control systems not in complete compliance with these performance criteria shall not be accepted as equal systems.

Quiet operation of up to 46dBa within 3' feet, open air.

Upper and lower stopping points (operating limits) of shadeband's shall be programmed into motors via a hand held removable program module / configurator.

Intermediate stopping positions for shades shall allow for up to three (3) repeatable and precise aligned positions.

Up to 103 available alignment points including 3-user programmable predefined intermediate positions, for a total of 5-defined and aligned positions. All shades on the same switch circuit with the same opening height shall align at each intermediate stopping position.

Two inherent methods of control:

Cost effective, low voltage, hardwired dry-contact for local switch or 3rd party control operation.

Expandable to 2-way communication network with IQ/485-NI to support whole building low-voltage control and integration.

Uniform or Regular Modes of Operation:

Uniform mode shall allow for shades to only move to intermediate stop positions.

Regular mode shall allow for shades to move to both intermediate stop positions, plus any position desired between the upper and lower limits as set by the installer.

Wall Switches:

IQ-Switch: in 5 or 10 button, single gang, low voltage.

Expandable IQ-485-NI: Available when addressability of each motor or group of motors are required to be on a two-way addressable communication network for whole building or overlapping multi-level control. System Features include:

5 @ IQ, Local or Master ports

1 @ Photocell input for automated control of shades

1 @ IR Eye Input for wireless remote control of shades

Software Addressable IQ Ports support Multi-Level control with 8 addresses per port

IQ-485 MS Bus, 485 shall allow up to 65000 addresses controlling up to 500,000 motors per network

Shall allow for variety of switch and other user interface options including RF and Ethernet (IP)

Shall support 3rd party control integration via RS232 and Ethernet (IP)

PART 3 - EXECUTION

2.7 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

2.8 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

2.9 INSTALLATION

- A. Install roller shades level, plumb, square, and true according to manufacturer's written instructions, and located so shade band is not closer than 2 inches (50 mm) to interior face of glass. Allow proper clearances for window operation hardware.
- B. Adjust and balance roller shades to operate smoothly, easily, safely, and free from binding or malfunction throughout entire operational range.
- C. Clean roller shade surfaces after installation, according to manufacturer's written instructions.
- D. Engage Installer to train Owner's maintenance personnel to adjust, operate and maintain roller shade systems.

2.10 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 12 24 13

