BIDDERS BULLETIN

PROJECT: North Park Elementary School – 2012 Addition and Renovation
Broken Bow, Nebraska

BULLETIN NUMBER
BB-1

ISSUED BY:
Grant Creager

PROJECT #: 11-0796

DATE ISSUED: March 21, 2012

This bulletin is issued by the Architect to all known bidders before receipt of proposals, for the purpose of explaining, interpreting, or modifying the original plans and specifications. When enumerated by the bidder upon the proposal sheet, the information or instructions given hereon will be equally binding upon all parties as if included in the original plans and specifications.
BIDDER MUST ENTER THE NUMBER OF THIS BULLETIN ON HIS PROPOSAL SHEET

MECHANICAL AND ELECTRICAL BID BULLETIN ITEMS WILL FOLLOW THE ARCHITECTURAL AND ARE FORMATED SEPERATLY.

THE FOLLOWING ITEMS ARE APPLICABLE TO THE ARCHITECTURAL SPECIFICATIONS

Please see the attached specifications "Table of Contents"

BB-1, ITEM #1: Substitutions

The following products and manufacturers will be considered approved equal for the products in which they are listed below. However, this does not relieve the supplier from providing equipment as specified, and if equipment is submitted which does not meet the intent of the specifications, it will in fact be rejected.

Architectural

Athletic Equipment	AALCO Manufacturing
Casework	Designer Woods
Concrete Sealer	SpecChem
EPDM Roofing	Johns Manville
EPDM Roofing	Mulehide
Perimeter & Under Slab Insulation	DiversiFoam
Metal Wall Panels	MBCI – Signature 300 Series, 24 ga.
Standing Seam Metal Roof	MBCI – Signature 300 Series, 24 ga.
Visual Display Boards	Newline
Overhead Coiling Doors	Cornell Iron Works*

*Exclude for Alternate #8

BB-1, ITEM #2: Specification Section 02200 – Excavating, Filling and Grading – Change the following:

- PART 2 – PRODUCTS, SOIL MATERIALS, Material for Controlled Structural Fill:, **In lieu of** …Per geotechnical engineer hired by contractor to perform field observations. **Change to read** – *'On-site or imported cohesive soil with liquid limit less than 40, plastic index less than 25, and less than 1.5 % organic material.' – See report Sections 5.2.2 and 5.2.3 on pages 5 and 6 for reference.*

- PART 2 – PRODUCTS, SOIL MATERIALS, Material for Backfill and Fill:, **In lieu of** …Per geotechnical engineer hired by contractor to perform field observations. **Change to read** – *'On-site or imported cohesive soil with liquid limit less than 40, plastic index less than 25, and less than 1.5 % organic material.' – See report Sections 5.2.2 and 5.2.3 on pages 5 and 6 for reference.*

- PART 3 – EXECUTION, EXCAVATION, Over-Excavation:, **In lieu of**…Remove soil material which has been identified as being unsuitable for support of overlying construction from areas as required by the geotechnical retained by the contractor. **Change to read** – *'…support of overlying construction from areas as required by the geotechnical report.' – See report Section 5.2.1 on page 5 for support documentation.*

- PART 3 – EXECUTION, COMPACTION, Percentage of Maximum Density Requirements:, **Add** – *'Foundation Overexcavation: Overexcavate and replace at least 24" below and 24" laterally beyond foundation elements of the foundation bearing subgrade with specified controlled structural fill to at least 95% of the maximum dry density, placed at a moisture content of optimum to plus 3% of optimum.' – See report Section 5.1 on page 5 and Section 5.2.3 on page 6 for reference.*

- PART 3 – EXECUTION, COMPACTION, Percentage of Maximum Density Requirements:, Understructures, Building Scabs, Steps, Pavements:, **In lieu of**…Compact top 12" of subgrade and each layer of backfill of fill material at 95% maximum density, placed with a moisture content of optimum plus or minus 3%. **Change to read** – *'Compact top 12" of subgrade and each layer of backfill or fill material to at least 95% of the maximum dry density, placed at a moisture content of optimum to plus 3% of optimum.' – See report Section 5.2.3 on page 6 for reference.*

- PART 3 – EXECUTION, COMPACTION, Percentage of Maximum Density Requirements:, Foundation Wall Backfill:, **In Lieu of**…Compact each layer of backfill material at 92% maximum density, placed with a moisture content of optimum plus or minus 3%. **Change to read** – *'Compact each layer of backfill or fill material to at least 95% of the maximum dry density, placed at a moisture content of optimum to plus 3%.' – See report Section 5.2.3 on page 6 for reference.*

- PART 3 – EXECUTION, BACKFILL AND FILL, General:, **In Lieu of**…In areas shown to receive controlled structural fill, use on-site excavated material which has been examined and approved by soils testing laboratory. For backfill to foundation walls, use on-site excavated material. **Change to read** – *'In areas shown to receive controlled structural fill or foundation wall backfill, use on-site excavated material or import material which has been examined and approved by a soils testing laboratory to meet specifications listed in PART 2 – PRODUCTS, SOIL MATERIALS.'*

- PART 3 – EXECUTION, FIELD QUALITY CONTROL, Quality Control Testing During Construction:, In toward the end of the first paragraph – **In lieu of**…Testing service shall provide such testing as is necessary during the placement of the structural fill to assure compliance with the contract requirements and shall furnish written certification that the controlled structural fill meets the contract requirements. **Change to read** – *The contractor is contractually responsible for the placement of structural fill as it relates to performance over a period of time or warranty of workmanship. Generally, the 'testing service or geotechnical engineer hired by contractor to perform field observations' typically will provide testing or observation reports, which detail what they observed that is limited. GSI would prepare a similar statement in letter form indicating based on the test results and observations GSI made while on site, the controlled structural fill meets project specifications. 'Testing service shall provide such testing as is necessary during the placement of the structural fill to, upon completion of the construction process, provide a written statement indicating the controlled structural fill tested and observed meets specified project requirements.'*

BB-1, ITEM #3: Specification Section 07222 – Roof Insulation

1) The R value for roof insulation shall be R=6.0 per inch.
2) For all EPDM roofing areas in Areas "A", "B" and "C", revise all notes pertaining on plans and Legend to read: "Twin pack insulation adhesive the 1 ½" ISO base layer to existing deck or new metal deck, Insta-Stik adhere ½" per 12" slope EPS system to base layer, Insta-Stik adhere ½" high density fiber board to top of EPS system. Install fully adhered EPDM over ½" high density fiber board typical all EPDM roof locations." Mechanical fasteners will not be utilized. (Also pertains at spec. section 07530)

BB-1, ITEM #4: Specification Section 08410-1, Aluminum Doors & Frames

1) Delete all reference to Wausau aluminum windows – Series 4250P.I. For windows W3, W4 and W5 reference section 08610-2 as specified.

THE FOLLOWING ITEMS ARE APPLICABLE TO THE DRAWINGS

BB-1, ITEM #5: Drawing Sheet C100

1) Revise Demolition Note 14 to read: "Not Used."
2) Revise Demolition Note 18 to read: "Remove existing playground equipment. By owner."
3) Revise demolition note on plan next to existing grate inlet from note "18" to note "17".

BB-1, ITEM #6: Drawing Sheet C102

1) Revise detail D3/C102 for Alternate #4 as follows: Omit bright blue paint surround at the 5'-0"x5'-5" areas and revise note at symbol to read "Bright blue paint symbol."

BB-1, ITEM #7: Drawing Sheet C201 – Refer to reissue sheet C201

1) Add note at existing storm sewer inlet at the intersection of 11th Avenue and "J" street to read: "Existing storm sewer inlet shall be tapped to accept the proposed 24" and 15" RC storm sewer pipes."
2) Add note at existing light/power poles at east end of new building structure to coordinate removal with City Utilities.
3) Add note at existing sanitary sewer parallel and south of existing building "Tap existing sanitary sewer line with new sanitary sewer service using a Wye Fitting and Fernco Coupling. See sheet M202."

BB-1, ITEM #8: Drawing Sheet A100

1) Revise Demolition Note 13 by adding: "Where existing tile floor is ACT (Asbestos Composite Tile) removal of tile by owner."
2) Add Demolition Note #13 in plan at existing west vestibule.
3) At east end of existing building/demo building add note: "Refer to sheet S201 for more information.
4) At existing computer room extend removal of carpet to stairs and upper landing.

BB-1, ITEM #9: Drawing Sheet A101a

1) Add wall type symbol "H" at door 103b.
2) At rooms 103a, 105a 107a, 110a, 112a and 115a add note to read: "Where existing louver is being removed, infill exterior brick with toothed infill to match existing." Also add note "Interior wall infill and paint by owner."
3) At room 132b add note to read: "Where existing window units are being removed, infill wall to match existing."

BB-1, ITEM #10: Drawing Sheet A101b

1) Revise Elevation Note 26 at room 151c Boys to be "27"
2) Revise Elevation Note 27 at room 105c Girls to be "28"

BB-1, ITEM #11: Drawing Sheet A102

1) Revise Elevation Note 26 at room 151c Boys to be "27"
2) Revise Elevation Note 27 at room 105c Girls to be "28"
3) At elevation notes of room 129c and 135c add "similar"
4) At room 110c Vestibule apply gwb to face of high cmu to match height of two adjacent walls gwb. Include new continuous "J" channel at perimeter and paintable caulk at exposed edge where "J" channel meets the cmu.

BB-1, ITEM #12: Drawing Sheet A103 – See Supplemental Drawing

1) At Wall Partition Types, add General Note #9 to read: "At all applicable walls, 6" cmu used as architectural face masonry to have any cell voids grouted full below grade. Provide brick ties at 16" o.c. vertical and 24" o.c. horizontal. Provide cotton weeps and flashing 8" above finished grade or sidewalk."

Door & Frame Schedule:

2) Revise doors 147cc and 147cd head detail to be D1/A801.1
3) Revise doors 143c, 147ca, 147cb, 147cc and 147cd door frame to be "HM-2"

BB-1, ITEM #13: Drawing Sheet A104

1) Revise detail titles on plan area "A" and "B" to read: "Finish Floor Plan"
2) At room 101b Music include new carpet at stairs and upper landing.
3) At room 122a Cooler new concrete at 3'-7"x 5'-2" area on south end of room only. All other floor surface is existing concrete.

BB-1, ITEM #14: Drawing Sheets A106 and A107

1) At all roof perimeter notes pertaining to roof gutter, delete "continuous" and add "sectional with all joints sealed." Gutter sizes per drawings.
2) For all EPDM roofing areas in Areas "A", "B" and "C", revise all notes pertaining on plans and Legend to read: "Twin pack insulation adhesive the 1 ½" ISO base layer to existing deck or new metal deck, Insta-Stik adhere ½" per 12" slope EPS system to base layer, Insta-Stik adhere ½" high density fiber board to top of EPS system. Install fully adhered EPDM over ½" high density fiber board typical all EPDM roof locations." Mechanical fasteners will not be utilized.

BB-1, ITEM #15: Drawing Sheet A107

1) Detail D16 – add insulation to interior cavity of 2x8 wall.
2) Snow guard above room 147c Multi Purpose by pre-manufactured building supplier. All snow guard at remainder of standing seam metal roof as specified.

BB-1, ITEM #16: Drawing Sheet A108

1) Details D19 and D22 - Include pre-finished metal flashing over exposed wood nailer.
2) Detail D25 – add note to read: "Paint ladder per specifications"

BB-1, ITEM #17: Drawing Sheet A109

1) Revise Elevation Note sheet number in plan at room 153cb from "A601" to "A112"
2) Revise Elevation Note sheet number in plan at room 153cc from "A602" to "A112"

Door & Frame Schedule Remark Notes:

3) Revise Note #3 reference from “Bid Alt. #1” to “Bid Alt. #8.”

Door & Frame Schedule:

4) At door 121c – Add note #4 in Remarks
5) At doors 121c, 150c and 151c revise door type per note #4.

BB-1, ITEM #18: Drawing Sheet A110

1) Revise Elevation Note sheet number in plan at rooms 114b, 116b, and 118b from “A612” to “A112”

BB-1, ITEM #19: Drawing Sheet A111

1) Revise notes in plan at corridor 113a and 120b from “exist” to “VCT”

BB-1, ITEM #20: Drawing Sheet A201

1) Detail D1/A201 is typical at brick columns only.
2) Add note at South Elevation signage at main entry to read: “Letters of signage to be 16” upper case helvetica dark oxidized aluminum with connection posts.”

BB-1, ITEM #21: Drawing Sheets A201 and A202

1) Exterior CMU is 5 5/8” x 7 5/8” x 15 5/8” split face with 8” overlap (stack bond)

BB-1, ITEM #22: Drawing Sheet A402

1) Details S9 and S10 – At intersection of gwb and top of cmu: Omit “expansion joint” and include new continuous “J” channel at perimeter and paintable caulk at exposed edge where “J” channel meets cmu .
2) Detail S11 – include continuous sealant at siding/panel intersection.

BB-1, ITEM #23: Drawing Sheet A601

1) Detail E28, reverse elevation image.
2) Detail E41, add section cut “S16/A603”

BB-1, ITEM #24: Drawing Sheet A601-A604

1) Refer to interior elevations for actual height of bulkheads.
2) Provide locks for casework in rooms 101c Reception, 106c Nurse, 120c Media, 111c Counsel and 153cb Concessions (Bid Alt. #1)

BB-1, ITEM #25: Drawing Sheet A604 – See Supplemental Sheet A601.1

1) Revise plaque elevation per detail A601.1

BB-1, ITEM #26: Drawing Sheet A801 – See Supplemental Sheet A801.1

1) Add detail A801.1

BB-1, ITEM #27: Drawing Sheet A901

1) Provide new item #53 Soil Dishtable and also provide new cone for existing disposal.

BB-1, ITEM #28: Drawing Sheet S202

Roof Framing Plan – Area "C"

1) Blocking at roof sheathing panel edges to extend 8' from each side at shearwalls labeled A and 8' to the east of the wall between rooms IT/ELECTRICAL 153c, and Bid Alt. #1 Storage 153ca, 8' both sides of the wall between Bid Alt. #1 Storage 153ca and Bid Alt. #1 Concession 153cb, and 8' from the east wall of Bid Alt. #1 Vestibule 153cc, and 8' south of the endwalls at rooms Kindergarten 131c and Kindergarten 132c . See sheathing schedule on sheet S203 for nailing requirements. Blocking of the roof panel edges is not required at the remaining roof locations.

Lintel / Header Schedule

2) At Masonry Notes #3: Add loose angle lintel with 8" bearing for 6" wide face block to be L6x6x5/16". This angle size to apply at all 6" wide face block opening widths.

BB-1, ITEM #29: Drawing Sheet S203

Mechanical Level Framing Plan

1) At boxed shelter roof construction notes above restrooms 150c Girls and 150c Boys and 121c SPED, replace alternate #1 with alternate #8.
2) Revise detail section with ? mark near room 146c Referee/Shower to be D2/S502. Add note with detail to read: "Similar w/ trusses running parallel."
3) Detail section D2/S502 at room 143c Storage, add not to read: "Similar w/out trusses."

BB-1, ITEM #30: Drawing Sheet S501

1) Delete details D12 and D13. These details are not required for this project.

MECHANICAL AND ELECTRICAL BID BULLETIN ITEMS WILL FOLLOW THE ARCHITECTURAL AND ARE FORMATED SEPERATLY.

END OF BB-1, See Attached

SPECIFICATIONS FOR

NORTH PARK ELEMENTARY SCHOOL
2012 ADDITIONS & RENOVATIONS
BROKEN BOW, NEBRASKA

TABLE OF CONTENTS

CG Architects

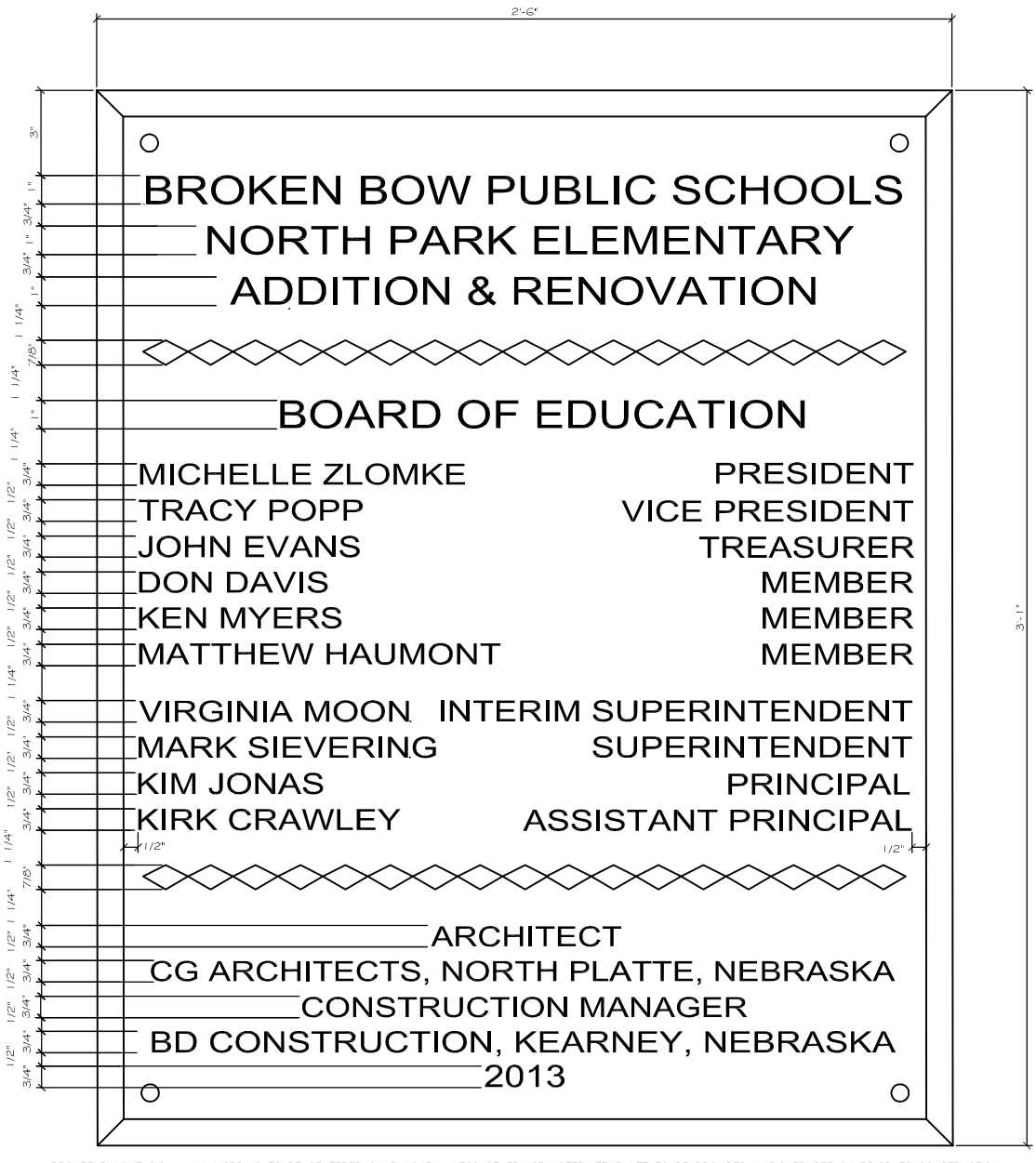
TITLE
Plaque

PROJECT
Broken Bow School

DATE: March 20, 2012
DRAWING: A601.1
FROM SHEET: A604

North Platte:

North Platte, NE 69101
Phone (308) 532-0411
FAX: (308) 532-1202



BRONZE PLAQUE SIGN. ALL WORDING TO BE CENTERED ON PLAQUE UNLESS OTHERWISE NOTED. TEMPLATE TO BE PROVIDED & SIGNED OFF ON PRIOR TO CONSTRUCTION.

E1 / A601.1 **Plaque**
SCALE: N.T.S.

CG Architects

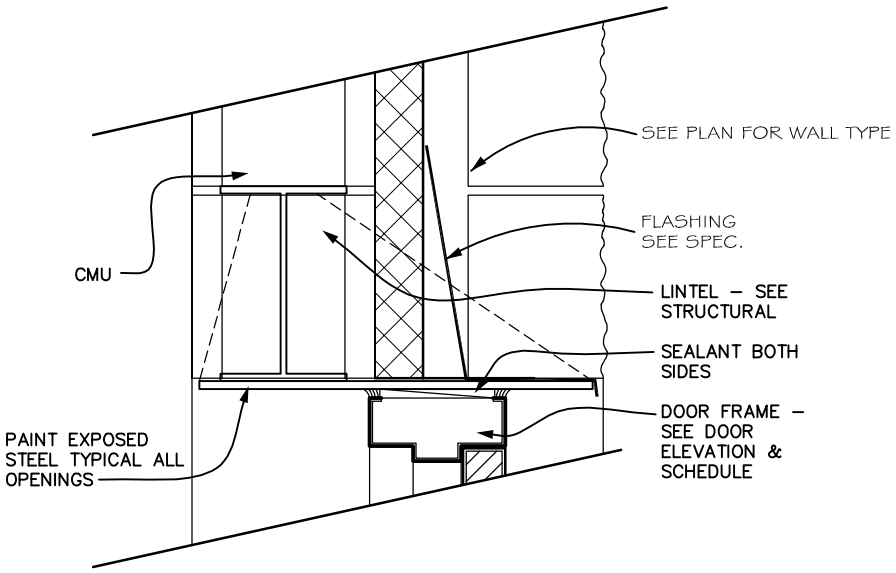
TITLE
Gymnasium Door Head

PROJECT
Broken Bow School

DATE: March 19, 2012
DRAWING: A801.1
FROM SHEET: A801

NORTH PLATTE:

North Platte, NE 69101
Phone (308) 532-0411
FAX: (308) 532-1202



D | 1
A801.1

Door Head

SCALE: 1 1/2" = 1' – 0"

DATE ISSUED	03/21/2012	ADDENDUM #	1
ENGINEER	Engineering Technologies, Inc. 825 M Street, Suite 200 Lincoln, NE 68508	PROJECT	Broken Bow Public School, North Park Elementary Renovation and Addition
		ETI PROJECT #	2011-121

The Architect issues this Addendum to all known bidders before receipt of proposals. Bidder shall acknowledge the receipt of this addendum on their proposal sheet and all information contained herein shall become a part of the contract documents.

ADDENDUM:

PRIOR APPROVAL – MECHANICAL

1. The following manufacturers have received prior approval for bidding purposes subject to shop drawing review:
   A.

List Equipment Here	List Manufacturer Here
Exhaust Fan	Loren Cook, ACME, Twin City, ILG/American Coolair
Roof Hoods	Loren Cook, Twin City
Energy Recovery Ventilators	Innovent
Kitchen Hoods	Captiveaire, Kees, Larkin Industries, DUO-Aire
Spiral Pipe and Fittings	Lewis & Lambert, Spiral Pipe of Texas
Flexible Connectors	Metraflex, Twin City Hose
Thermometers	Trerice
Air/Dirt Separator	Armstrong, Taco, Thrush, Bell & Gossett
Expansion Tanks	Armstrong, Patterson, American Wheatley
Boilers	Lochinvar, Riverside Hydronics
Louver	Pottorff, Greenheck, Safe-Air/DOWCO
Heatpumps	Trane
Water Cooled Cond. Units/Fan Coil Units	Mitsubishi
Controls	Trane, Siemens
Pressure Gauges	Trerice
Drains	Jay R. Smith
Pumps	Patterson, Bell & Gossett, Wilo
Pump Accessories	Bell & Gossett
Flow Control Valves	Flow Design, Nexus, Hydronic Components
Variable Speed Drive	Yaskawa
Glycol Make-Up System	Bell & Gossett, Wessels, John Woods
Faucets	Moen
Flush Valves	Moen
Washbasin	Willoughby
Shower	Willoughby
Drinking Fountain	Oasis
Variable Frequency Drive	ABB, Danfoss Graham
Backflow Preventer	Apollo
Hydronic Accessories	American Wheatley
Registers, Grilles, Diffusers and Louvers	Nailor Industries
Dampers	Nailor Industries
Spiral Ductwork and Fittings	Eastern Sheet Metal

DRAWINGS – MECHANICAL

1. Sheet M101 Mechanical Demolition Plan Area “A”, “B”, & “C”:
   A. Owner is to remove existing fin tube in 12 existing classrooms in area “A” and “B”. General Contractor to patch holes in floor and wall.

LINCOLN: 825 M Street, Suite 200, Lincoln, NE 68508 P 402.476.1273 F 402.476.1274
OMAHA: 4559 S. 133rd Street, Omaha, NE 68137 P 402.330.2772 F 402.330.2630

2. Sheet M302 HVAC Plan Area "C"
   A. Note 43 to read as follows: Under bid alt. #8 ductwork shall butt up to storm shelter wall structural opening at both sides of penetrations with duct flange. See structural detail D13 on sheet M503.

PRIOR APPROVAL – ELECTRICAL

1. The following manufacturers have received prior approval for bidding purposes subject to shop drawing review:

List Equipment Here	List Manufacturer Here
Type #1	Columbia Lighting
Type #2	Columbia Lighting
Type #3	Columbia Lighting
Type #4	Columbia Lighting
Type #5	Dual-Lite
Type #6	Kenall
Type #7	Dual-Lite
Type #8	Columbia Lighting
Type #9	Columbia Lighting
Type #10	Columbia Lighting
Type #11	Alera Lighting
Type #12	Columbia Lighting
Type #14	Columbia Lighting
Type #15	Columbia Lighting
Type #18	Columbia Lighting
Type #20	Prescolite
Type #21	Dual-Lite
Type #22	Columbia Lighting, Cooper
Type #23	Columbia Lighting, Cooper
Type #24	Hubbell
Type #25	Prescolite
Type #26	Columbia Lighting
Type #27	Columbia Lighting
Type #28	Columbia Lighting
Type #29	Prescolite
Type #30	Kenall
Type #31	Columbia Lighting
Type #32	Columbia Lighting
Type #33	Columbia Lighting
Emergency Ballast	Phillips Bodine
Relay Panel	Leviton
Digital Pushbutton Stations	Leviton

SPECIFICATIONS – ELECTRICAL

1. Section 16320 – Intercom System
   A. In Paragraph 6(b) delete the requirement for a "prequalified" system contractor.
   B. Bogen Multicom 2000 MC2K Administrative Communication System is an approved intercom system.
2. Section 16300 – Fire Alarm System
   A. Farenhyt IFP-100 is an approved fire alarm panel and system.

DRAWINGS – ELECTRICAL

1. Sheet E001 – Site Plan Electrical
   A. The fiber optics cable and TV cable called out in Note 8 on this sheet are actually a fiber optics cable and a multi-pair copper cable used for telephones. These cables run from the High School to North Park Elementary and are owned by the school district. This contractor shall disconnect these cables from the Elementary School, provide a new weatherhead and re-route the cables through the new attic space created by the new roof. Re-connect both cables at the Elementary school after re-routing them. Test and certify both cables after re-connecting them.
2. Sheet E200- Lighting Plan Area "C"
   A. 2 x 2 light fixture shown in 1ST Grade 123c, 125c, 138c, 140c and Kindergarten 126c and 137c shall be light fixture type 34.
3. Sheet E300 and E500
   A. RTHP-102B, provide a duct smoke detector and fire alarm shutdown relay.

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4. Sheet E500 Equipment Connection Schedule
   A. Change Fluid Cooler Fan disconnect switch to 100 amp, fused, NEMA 3R, which will be mounted outside by the unit.
   B. Change Fluid Cooler Fan motor starter to VFD which will be mounted in Mechanical 121ca.

5. Sheet E500 -Light Fixture Schedule
   A. Add light fixture #34 to light fixture schedule. Light fixture to be 2 x 2 fluorescent troffer with acrylic prismatic diffuser , 3-17 watt T8 lamps, recessed mounted, Lithonia 2SP8-G-317-A12125-MVOLT-GEB10RS
6. Sheet E503-Well House Electrical Riser Diagram Notes
   A. Revise Note #5 to read as follows:
      Remove existing secondary electrical and meter socket back to pole mounted transformers. during construction provide temporary power using mobile generator to continuously power the well house. Coordinate work and all down time with the city.
7. Sheet E503-School Electrical Riser Diagram and School Electrical Riser Diagram Notes
   A. Feeder requirements for Panel “L” and “H” are shown on Panel Schedule “D”.
   B. Feeder to panel “G” shall be 4-#3 type THWN CU, #8 Gnd in 1 ¼” conduit. Connect to spare 100 amp 3 pole circuit breaker in panel “E” (circuit breaker which fed Existing Panel “L”).

END OF ADDENDUM

LINCOLN: 825 M Street, Suite 200, Lincoln, NE 68508 P 402.476.1273 F 402.476.1274
OMAHA: 4559 S. 133rd Street, Omaha, NE 68137 P 402.330.2772 F 402.330.2630