

MILLARD, INC., ARCHITECTS

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Project:

New Headquarters Facility for
Blue Ridge Mountain EMC
Phase Two – Buildings

Location:

State Route 515 & Timberline Drive
Young Harris, Georgia 30582

Project No.: 0808

ADDENDUM NO. 2

July 16, 2010

The following items are changes and modifications and/or clarifications to the Contract Documents indicated and made part thereof. The Contract Documents remain as originally drawn and written, except as noted in this Addendum:

I. Changes to prior Addenda:

A. Addendum No. 01:

1. IV. Changes to Specification Sections; F. SECTION 10270 & G. SECTION 10271:
 - a. TecCrete by Haworth, Inc. is not an acceptable product/ manufacturer.
2. V. Changes to Drawings; Architectural sketch borders: Change the date to read as 'July 8, 2010'.

II. Changes to Index of Specification Sections:

A. DIVISION 04 – MASONRY (page 2 of 5): Insert the following:

SECTION 04850 Natural Thin Veneer Stone 8 pages

III. Changes to Contract:

Not Applicable.

IV. Changes to Specification Sections:

A. SECTION 01230 – ALTERNATES:

1. 01230.1 – GENERAL; B. SUMMARY; Paragraph '1' (page 01230-1): Add the following subparagraph:

- a. Allowances have been established to defer selection of actual materials and equipment to a later date when additional information is available for evaluation. Additional requirements will be issued by change order.
2. 01230.1 – GENERAL (page 01230-1): Add the following:
 - E. SELECTION AND PURCHASE:
 1. At the earliest feasible date after Contract award, advise the Architect of the date when the final selection and purchase of each product or system described by allowance must be completed in order to avoid delay in performance of the Work.
 - a. When requested by Architect, obtain proposals for each allowance for use in making final selections; include recommendations that are relevant to performance of the Work.
 - b. Purchase products and systems as selected by the Owner from the designated supplier.
 3. 01230.3 – EXECUTION; A. SCHEDULE OF ALTERNATES; 1. Alternate No. 1 (page 01230-2): Reference ‘Section 04850 – Natural Thin Veneer Stone’ in lieu of ‘Section 04860 – Stone Veneer Assemblies’.
- B. SECTION 04700 – MANUFACTURED MASONRY; 04700.2 – PRODUCTS; A. MANUFACTURER; Paragraph 2 (page 04700-4):
 1. Coronado Stone Products (2806 Grandview Drive, Simpsonville, SC 29680; Office: 864-962-1221; Fax: 864-962-1873; Website: www.coronada.com) is an acceptable manufacturer pending meeting all Contract Document requirements.
 - a. Manufacturer’s Distributor: Georgia Masonry Supply; Attn: Brandon Alderman; 125 Industrial Park Circle; Lawrenceville, GA 30046; Office: 770-963-5888; Fax: 770-513-8022; Email: Brandon.alderman@oldcastlepg.com.
 2. Artistic Stone (9290 Matt Highway, Ballground, GA 30107; Office: 888-852-4845 or 770-888-8278; Fax: 770-888-8658; Website: www.artisticstone.com) is an acceptable manufacturer pending meeting all Contract Document requirements.
 - a. Manufacturer’s Distributor: North GA Stone, Inc.; Attn: Greg Owenby; 178 Industrial Boulevard, Blairsville, GA 30512; Office: 706-745-5532; Fax: 706-745-3431; Website: www.northgastone.com.
- C. SECTION 04850 – NATURAL THIN VENEER STONE: Insert attached specification section.
 - D. SECTION 06130 – HEAVY TIMBER ROOF TRUSSES; MATERIALS: At Paragraph A, change ‘common air-dried’ to read ‘select kiln dried’.

- E. SECTION 06200 – FINISH CARPENTRY; 06200 – PRODUCTS; B. MATERIALS; 3. Interior Finish Carpentry; b. Standing and Running Trim for Painted Finish; Paragraph ‘1’ (page 06200-4): Change ‘Idaho White Pine’ to read as ‘White Pine or Fir’.
- F. SECTION 07210 – BUILDING INSULATION; 07210.2 – PRODUCTS:
1. B. APPLICATION; 4. Exterior Metal Building Walls & 5. Metal Building Purlins; Paragraph ‘c’ (page 07210-3): Delete, and insert “Polypropylene facing.”
 2. C. INSULATING MATERIALS; 6. Sheet Retarder (for Metal Building Insulation; Walls and Roof Bottom Layer) (page 07210-5): Delete, and insert the following:

“WMP-50; Facing shall be composed of 0.0015” white polypropylene film, a reinforcing layer, a proprietary inner core and 0.0015” metallized polyester film. The product shall be reinforced with a 5x5 tri-dimensional scrim, which has a blend of fiberglass and polyester yarns. The resulting facing shall have a water vapor transmission rate of 0.02 US perm (ASTM E96, Procedure A), a beach puncture of 125 scale units and a mullen burst of 120 psi. Tensile strength shall be 65# in the machine direction and 60# in the cross-machine direction.”
- G. SECTION 07220 – ROOF AND DECK INSULATION:
1. 07220.2 – PRODUCTS; B. MATERIALS; Paragraph ‘2’ (page 07220-4):
 - a. Change the vent spacer strips from 1.0” to 1.5”.
 - b. Add the following sub-paragraph:
 - j. Thickness: 6.0” minimum.
 2. 07220.2 – PRODUCTS; B. MATERIALS; Paragraph ‘3’ (page 07220-5): Add the following sub-paragraph:
 - h. Thickness: 1.5” minimum at AC Foam Cross Vent and 4.0” minimum at Tapered AC Foam-II.
 3. 07220.2 – PRODUCTS; B. MATERIALS; Paragraph ‘2’ (page 07220-4): Add the following sub-paragraph:
 - f. Thickness: 2.0” minimum at roof drains.
- H. SECTION 07552 – MODIFIED BITUMEN ROOFING SYSTEM; 07552.2 – PRODUCTS; F. ROOF DRAIN SYSTEM; 5. Outlet Size (page 07552-6): Change to read as 6”.
- I. SECTION 08330 – ROLLING DOORS; 08330.2 – PRODUCTS; A. ACCEPTABLE MANUFACTURER; Paragraph 2 (page 08330-2):
1. Raynor Garage Doors (P.O. Box 448, 1101 East River Road, Dixon, IL 61021-0448; Office: 815-288-1431; Fax: 815-288-7142; Email: thegarage@raynor.com; Website:

www.raynor.com) is an acceptable manufacturer pending meeting all Contract Document requirements.

J. SECTION 08360 – SECTIONAL DOORS; 08360.2 – PRODUCTS; A. ACCEPTABLE MANUFACTURER; Paragraph 2 (page 08360-2):

1. Raynor Garage Doors (P.O. Box 448, 1101 East River Road, Dixon, IL 61021-0448; Office: 815-288-1431; Fax: 815-288-7142; Email: thegarage@raynor.com; Website: www.raynor.com) is an acceptable manufacturer pending meeting all Contract Document requirements.

K. SECTION 09220 – PORTLAND CEMENT STUCCO; 09220.2 – PRODUCTS; A. MANUFACTURER; Paragraph ‘3’ (page 09220-4):

1. Armourwall by Parex USA, Inc. (Attn: Randy Campbell; 1870 Stone Mountain-Lithonia Road, Lithonia, GA 30058; Office: 770-482-7872, ext. 3952; Cell: 770-359-9398; Email: Randy.Campbell@ParexUSA.com) is an acceptable product/manufacturer pending meeting all Contract Document requirements.

L. SECTION 10655 – OPERABLE PANEL WALLS; 10655.2 – PRODUCTS; A. ACCEPTABLE MANUFACTURER; Paragraph ‘2’ (page 10655-3):

1. Series 631 by Hufcor, Inc. (In/Ex Systems, Inc.; Attn: Richard Farabaugh; 4473 Cavallon Way, Acworth, GA 30101; Office: 678-766-8201 or 800-483-8201; Fax: 678-766-8202; Email: dick@inexsystems.com) is an acceptable product/manufacturer pending meeting all Contract Document requirements.
2. Model 410-MD by Panelfold, Inc. (Acousti-Doors & Specialties, LLC; Attn: Adam O’Shields; 1491 Trace Lane, Lithia Springs, GA 30122; Office: 404-355-1331; Fax: 404-355-1338; Email: aosheilds@acoustialanta.com) is an acceptable product/manufacturer pending meeting all Contract Document requirements.

M. SECTION 11100 – TELLER EQUIPMENT; 11100.2 – PRODUCTS; B. TELLER EQUIPMENT; 8. Vault Doors (page 11100-2): Delete, and insert ‘1814 Fire Door.’

N. SECTION 11132 – ELECTRICALLY-OPERATED PROJECTION SCREENS; 11132.2 – PRODUCTS; A. MANUFACTURERS; Paragraph ‘3’ (page 11132-4):

1. Envoy by Draper, Inc. (Acousti-Doors & Specialties, LLC; Attn: Adam O’Shields; 1491 Trace Lane, Lithia Springs, GA 30122; Office: 404-355-1331; Fax: 404-355-1338; Email: aosheilds@acoustialanta.com) is an acceptable product/ manufacturer pending meeting all Contract Document requirements.

O. SECTION 11875 – LUBRICATION EQUIPMENT; 11875.2 – PRODUCTS; A. MANUFACTURED UNITS; Paragraph ‘2’ (page 11875-1):

1. Pee-Dee Tanks is an acceptable manufacturer pending meeting all Contract Document requirements.

P. SECTION 11876 – GARAGE TWO-STAGE COMPRESSOR:

1. Champion is an acceptable manufacturer pending meeting all Contract Document requirements.
- Q. SECTION 11877 – TRUCK SHED TWO-STAGE COMPRESSOR:
1. Champion is an acceptable manufacturer pending meeting all Contract Document requirements.
- R. SECTION 13120 – METAL BUILDING SYSTEMS; 13120.2 – PRODUCTS; A. MANUFACTURERS; Paragraph 2 (page 13120-4):
1. Nucor Building Systems (Attn: David Sikes; 1550 Hillcrest Road, Norcross, GA 30093; Office: 770.921.8600; Fax: 770.921.6888; Cell: 770.780.2289; Email: dsikes@foxbuildingco.com) is an acceptable manufacturer pending meeting all Contract Document requirements.
- S. SECTION 13211 – VEHICLE FUEL STORAGE/DISPENSING SYSTEM:
1. 13211.1 – GENERAL; E. QUALITY ASSURANCE (page 13211-3):
 - a. Paragraph ‘4a’: Delete pollution insurance policy requirement.
 - b. Paragraph ‘5’: Delete liability insurance/umbrella coverage requirement.
 - c. Paragraph ‘7’: Delete bonding capacity requirement.
 2. 13211.2 – PRODUCTS; C. ISLAND FORM & DISPENSER SUMPS; Paragraph ‘4’ (page 13211-10): Delete entirely.
 3. 13211.2 – PRODUCTS; Paragraph ‘N’ (page 13211-14): Change to read as, ‘MECHANICAL DISPENSERS...’
- T. SECTION 14001 – BRIDGE CRANES & HOISTS; 14001.3 – EXECUTION; B. TESTING; 2nd Paragraph (page 14001-6): Add the following:
- ‘Such tests shall be carried out with the hoisting equipment loaded from a minimum of 100% rated capacity to maximum of 125% rated capacity of the crane and hoisting equipment. Any defects shall be corrected or replaced immediately by the contractor and at no expense to the owner. All testing and the costs of all required certification shall be at the contractor’s expense. Testing load shall be supplied by the Contractor.’
- U. SECTION 14002 – BRIDGE CRANES & HOISTS – WAREHOUSE & MATERIALS; 14002.2 – PRODUCTS; E. DESIGN SPECIFICATIONS; Paragraph ‘7’ (page 14002-4): Delete sentence ‘Walkway shall be sized to provide 30” clear from the opened panel as per NEC requirements.’
- V. SECTION 14003 – BRIDGE CRANES & HOISTS; 14003.3 – EXECUTION; B. TESTING; 2nd Paragraph (page 14003-3): Change last sentence to read ‘Testing load shall be supplied by Contractor’.
- W. SECTION 15400 – PLUMBING SYSTEMS & EQUIPMENT:

1. Paragraph 15400.2, B, 4: Add the following sub-paragraph.
 - b. Recycled Water Piping (RCW) above grade.
2. Paragraph 15400.2, B: Add the following sub-paragraph.
 5. Painting:
 - a. Recycled water piping (RCW) shall be painted purple, in accordance with the requirements of the Georgia amendments to the IPC. Both the piping and the insulation shall be painted purple.
3. Paragraph 15400.2, C. Copper Tubing and Fittings – Type DWV: Delete this sub-paragraph in its entirety.
4. Paragraph 15400.2, E, 1: Change this sub-paragraph to read as follows.

Openings in roof for vent pipes shall be flashed by the metal building contractor in accordance with the flashing details on the architectural drawings. Plumbing contractor shall coordinate exact locations of roof penetrations with the metal building contractor.
5. Paragraph 15400.2, K, 1: Change the first sentence of this paragraph to read as follows.

Provide a trap primer for each and every floor drain and hub drain, except shower drains.
6. Paragraph 15400.2, R, 2: Delete this sub-paragraph in its entirety. (All wall hung fixtures shall be provided with carriers.)

V. Changes to Drawings:

- A. COVER SHEET; DRAWING INDEX; GARAGE; ARCHITECTURAL: Add sheet AA5.07.
- B. SHEET C-5S: Refer to attached sketch border SK-01/C-5S for changes at propane tank.
- C. SHEET C-17:
 1. Refer to attached sketch border SK-01/C-17 for changes at ‘Downspout Connection Detail’.
 2. Refer to attached sketch borders SK-02/C-17 to SK-06/C-17 for changes on ‘Roof Drain Piping’ plan.
- D. SHEET S4.01:
 1. GENERAL NOTES: Delete Notes #12 and #18.

2. TYPICAL DETAIL OF EXTERIOR STEEL COLUMN & FOOTING: Delete bearing capacity note at bottom of footing.
 3. TYPICAL DETAIL OF INTERIOR STEEL COLUMN, PIER & FOOTING: Add '20"x20" CONCRETE PIER AT TS12x12 COLUMNS' note to concrete pier size note.
 4. TYPICAL DETAIL OF INTERIOR STEEL COLUMN, PIER & FOOTING: Add '4#9 + HOOK's VERT. AT 20"x20" PIERS' note to concrete pier reinforcing note.
- E. SHEET S4.02:
1. TYPICAL LINTEL DETAIL FOR OPENINGS AT 8" MASONRY WALLS BETWEEN 11'-0" AND 16'-0" WIDE: Change lintel size 'TS12x8' to read 'TS8x8', and add 'SEE FOUNDATION SECTIONS FOR WALL REINFORCING & OTHER DETAILS' note to masonry wall. Provide 5/8" diameter x 2'-6" DBA bar welded to top of tube at each vertical bar. Wall reinforcing has not been shown on detail for clarity.
 2. TYPICAL LINTEL DETAIL FOR OPENINGS AT 12" MASONRY WALLS BETWEEN 11'-0" AND 16'-0" WIDE: Change portion of note 'FILL ONE VERTICAL CELL' to read 'FILL TWO VERTICAL CELLS', and add 'SEE FOUNDATION SECTIONS FOR WALL REINFORCING & OTHER DETAILS' note to masonry wall. Provide 5/8" diameter x 2'-6" DBA bar welded to top of tube at each vertical bar. Wall reinforcing has not been shown on detail for clarity.
 3. STEEL NOTES:
 - a. Delete Note #16.
 - b. At Note #20, change 'IBC 2000' to read 'IBC 2006'.
- F. SHEET S4.03:
1. PRE-FABRICATED METAL BUILDING NOTES: At Note #2, change 'SEE DESIGN LOAD SCHEDULE ON THIS SHEET FOR DESIGN LOAD REQUIREMENTS' to read 'SEE DESIGN LOAD SCHEDULES FOR DESIGN LOAD REQUIREMENTS'.
 2. PRE-FABRICATED METAL BUILDING NOTES: At Note #6, add 'SHOP DRAWINGS SHALL INDICATE THE MAXIMUM DOWNWARD VERTICAL LOAD, MAXIMUM UPLIFT VERTICAL LOAD, AND MAXIMUM HORIZONTAL LATERAL LOAD AT EACH PRE-FABRICATED COLUMN' sentence to end of note.
 3. PRE-FABRICATED METAL BUILDING NOTES: Delete Note #8.
- G. SHEET AA1.04; 1/AA1.04 – GROUND FLOOR PLAN – PART B: At Door #222, change orientation of wall section 2/AA5.10 to the west and add not 'Opposite Hand'.

- H. SHEET AA1.07; 14/AA1.07 – COLUMN DETAIL: Add note ‘Drainage Mat’ and leader pointing to drainage mat.
- I. SHEET AA4.01: Change height of tapered stone columns to match wall sections.
- J. SHEET AA5.03; 6/AA5.03: Change title to ‘INTERIOR BEAM SECTION’.
- K. SHEET AA5.04; 5/AA5.04 – TRIM DETAIL: Fixed size of notes. This detail is typical on all sides of soffit.
- L. SHEET AA5.06; 5/AA5.06 – FIREPLACE SECTION & 6/AA5.06 – FIREPLACE SECTION: Change note ‘Crack Isolation System’ to read as ‘Finish Floor as Scheduled w/ Crack Isolation System’.
- M. SHEET AA5.12; 2/AA5.12 – WALL SECTION: Steel roof beam between column D & E shall be concealed per detail 8/AA5.01.
- N. SHEET AA5.13; 13/AA5.13 – PLANTER SECTION: Refer to attached sketch border SK-01/AA5.13 for revised section.
- O. SHEET AA6.04; 14/AA6.04: Change title to ‘ROD & SHELF DETAIL’.
- P. SHEET AA7.02: Provide 2x P.T. wood nailers for doors and windows on details 1, 2, 3, 4, 5, 6 and 7. Wood nailers shall be concealed by trim boards.
- Q. SHEET AA7.04: Provide 2x P.T. wood nailers for windows on details 1, 2, 3, 4, 5, 6, 7 and 8. Wood nailers shall be concealed by trim boards.
- R. SHEET SA1.01:
 - 1. Refer to attached Sketch SK-01/SA1.01 for revised plan area.
 - 2. Refer to attached Sketch SK-02/SA1.01 for revised FOOTING ELEVATION SCHEDULE.
- S. SHEET SA3.02; SECTION SA3.02-B; Refer to attached Sketch SK-01/SA3.02 for revised section.
- T. SHEET PA2.01; 1/PA2.01 – SANITARY PIPING FLOOR PLAN: See attached sketch SK-01/PA2.01 for addition of planter drains and piping.
- U. SHEET EA1.11; 1/EA1.11 – LIGHTING FLOOR PLAN: 2” conduit shown for the connection of the cable by the EMC shall terminate in a junction box mounted adjacent to the exterior lighting controller so the EMC can pull the cable to this point. Provide a copper to aluminum connector to their cable and extend the circuits through the controller to the circuit breaker indicated with #10 AWG copper wire.
- V. SHEET AO1.04; 1/AO1.04 – GROUND FLOOR PLAN – PART B: Add note ‘Boot Wash; Refer to AO5.09, Struct. & Plumbing’ and leader pointing to boot wash between Door #139D and 139E.

- W. SHEET AO2.01; 1/AO2.01 – OPERATIONS ROOF PLAN: Change note that reads ‘Modified Bitumen Roofing System on Tapered Insulation (R32, Min.)...’ to read ‘Modified Bitumen Roofing System on Tapered Insulation (R34, Min.)...’
- X. SHEET AO3.03; 1/AO3.03 – GROUND FLOOR REFLECTED CEILING PLAN – PART A & B: Indicate 8’-0” wide projection screens in soffit of alcoves (adjacent to west wall) in Crew Room #159; adjacent to Door #139H and #139J.
- Y. SHEET AO4.02; F/AO4.02 – BUILDING SECTION:
1. Refer to attached sketch border SK-01/AO4.02 for revised building section.
 2. Insert the following legend adjacent to section:

NON-STRUCTURAL TRUSS OVER OPERABLE PARTITIONS:

See Wood Truss Notes on Sheet SA3.04 for details.

Locate truss top chord 1” below bottom flange of sloped roof steel beam above.

Connections at bottom chord panel points shall be similar to Detail TS on Sheet SA3.04, except extend and connect connection plates to top flange of steel support beam below.

Connections at top chord panel points shall be similar to Detail TE on Sheet SA3.04, except extend and connect connection plates to bottom flange of sloped roof steel beam above. Connect after roof dead load is in place. Provide vertical slotted holes at connection plates to allow sloped roof steel beam to deflect. Do not slot holes in wood members. Provide steel and neoprene washers at each bolt.
- Z. SHEET AO5.06: Refer to attached sketch borders SK-01/AO5.06 to SK-03/AO5.06 for revised/ new wall sections.
- AA. SHEET PO2.01; 1/PO2.01 – SANITARY PIPING FLOOR PLAN: See attached sketch SK-01/PO2.01 for addition of rainwater piping and roof drains.
- BB. SHEET EO1.11; 1/EO1.11 – LIGHTING FLOOR PLAN: 2” conduit shown on the west side of the building for the connection of the cable by the EMC shall terminate in a junction box mounted adjacent to the exterior lighting controller so the EMC can pull the cable to this point. Provide a copper to aluminum connector to their cable and extend the circuits through the controller to the circuit breaker indicated with #10 AWG copper wire.
- CC. SHEET AW1.01; FLOOR PLAN PARTITION LEGEND:
1. TYPE A: Change note to read ‘12” REINFORCED CMU (PAINTED ON BOTH SIDES). REFER TO STRUCTURAL FOR REINFORCEMENT. FILL ALL OPEN CELLS WITH FOAM-IN-PLACE MASONRY INSULATION (R19, MIN.).’
 2. TYPE B: Change end of sentence to read ‘...& PLYWOOD SHEATHING/LINER PANELS ON INTERIOR (REFER TO WALL SECTIONS).’

DD. SHEET AW2.01; ROOF PLAN LEGEND; D.S.-1: Add the following to note:

‘PROVIDE DOWNSPOUT BOOTS & REDUCER AT EACH DOWNSPOUT; PAINT DOWNSPOUT BOOT TO MATCH COLOR OF DOWNSPOUTS’

EE. SHEET SW1.01:

1. WAREHOUSE & MATERIALS HANDLING FOUNDATION & FLOOR PLAN:
 - a. At Pre-Fab Columns at Grids F-3 and F-7, change footing size ‘WF9’ to read ‘WF10’.
 - b. At Grid M, add Tie Rod T.R. continuous between Pre-Fab Columns at Grids M-1 and M-3.
 - c. At Grid M, add Tie Rod T.R. continuous between Pre-Fab Columns at Grids M-7 and M-9.
 - d. At Grid G, fix location of Door 102V to agree with Architectural Floor Plan.
 - e. Provide Bar SWA at Pre-Fab Column Piers at Grids N-1 and N-9.
 - f. Plan Legend Note T.D. occurs at trench drains at Ice Machine Rooms. Slope slab to trench drains.
2. FOOTING SCHEDULE (WAREHOUSE); FOOTING WF3: Change ‘4#5’ to read ‘5#5’ at footing reinforcing each way.

FF. SHEET SW3.01:

1. SECTION SW3.01-C: Change ‘#2#5 CONT. BTM.’ to read ‘#2#6 CONT. BTM.’ at turn-down slab bottom bars.
2. SECTION SW3.01-K: Refer to attached Sketch SK-01/SW3.01 for revised section.
3. SECTIONS SW3.01-J, SW3.01-L, SW3.01-M, SW3.01-N & ST3.01-P:
 - a. Change sentence ‘BARS MAY BE IN 6’-0” LENGTHS LAPPING 2’-0”.’ to read ‘BARS MAY BE IN 6’-6” LENGTHS LAPPING 2’-6”.’ at vertical reinforcing note.
 - b. Change ‘#6x2’-9” + Hk’ to read ‘#6x3’-6” + Hk’ at dowel note.
4. SECTION SW3.01-L: Tie Rod (T.R.) has not been shown. Provide Tie Rod (T.R.) and thickened slab similar to Section SW3.01-N. See Foundation Plan for location of tie rod.
5. SECTION SW3.01-T: Leader line at wall horizontal reinforcing note should “point” to horizontal wall reinforcing at each face of wall and not to vertical reinforcing bar.

GG. SHEET SW3.02:

1. SECTIONS SW3.02-B & SW3.02-F: Change sentence 'LAP BARS 2'-0" MIN.' to read 'LAP BARS 2'-6" MIN.' at vertical reinforcing note.
2. AT ALL SECTIONS AND DETAILS: At all connections where Kwik Bolts are specified, bolts shall be Kwik Bolt TZ Expansion Anchors at all locations.
3. DETAIL SW3.02-J: Add 'NOTE: SEE DETAIL SW3.02-M FOR DETAIL WHEN SPACE OCCURS BETWEEN FACE OF PRE-FAB COLUMN AND FACE OF MASONRY WALL.' note to detail.
4. TYPICAL DETAIL AT FULL HEIGHT 12" CMU WALLS (WAREHOUSE): Provide an additional continuous U-block and reinforcing at +12'-0" A.F.F. Provide reinforcing and connections similar to other U-blocks.
5. TYPICAL DETAIL AT NON-FULL HEIGHT 12" CMU WALLS (WAREHOUSE): Provide an additional continuous U-block and reinforcing at +12'-0" A.F.F. Provide reinforcing and connections similar to other U-blocks.

HH. SHEET SW3.03:

1. TYPICAL DETAIL AT PRE-FABRICATED STEEL COLUMNS & FOOTINGS AT COLUMNS WITH TIE RODS AT GRIDS F-2, F-3, F-4, F-5, F-6, F-7 AND F-8:
 - a. Change sentence 'BARS MAY BE IN 6'-0" LENGTHS LAPPING 2'-0".' to read 'BARS MAY BE IN 6'-6" LENGTHS LAPPING 2'-6".' at vertical reinforcing note.
 - b. Change '#6x2'-9" + Hk' to read '#6 + Hk' at dowel note. Lap vertical bars with dowels 2'-6" min.
2. AT ALL DETAILS: Change '#3 HOOPS' to read '#4 HOOPS' at concrete piers.
3. TYPICAL DETAIL AT PRE-FABRICATED STEEL COLUMNS & FOOTINGS AT COLUMNS WITH TIE RODS AT GRIDS G-3, G-7, H-3, H-7, J-3, J-7, K-7, K-7, AND L-3, L-7:
 - a. Change Title to read 'TYPICAL DETAIL AT PRE-FABRICATED STEEL COLUMNS & FOOTINGS AT COLUMNS WITH TIE RODS AT GRIDS G-3, G-7, H-3, H-7, J-3, J-7, K-3, K-7, L-3, AND L-7'.
 - b. At Grids L-3 and L-7, provide 6" slab on grade in lieu of 12" slab on grade shown. See Foundation Plan for location and other details.
 - c. Tie Rod (T.R.) occurs at exterior slab on grade. Connect tie rod to base plate angle similar to other side. See Foundation Plan for location and other details.
 - d. Lap vertical bars with dowels 2'-6" min.

4. TYPICAL DETAIL AT EXTERIOR PRE-FABRICATED STEEL COLUMNS & FOOTINGS AT CONCRETE ENCASEMENTS WITHOUT TIE RODS: Provide top bars at top of footing. Locate top bars 2" clr. top of footing.
5. TYPICAL DETAIL AT EXTERIOR PRE-FABRICATED STEEL COLUMNS & FOOTINGS AT COLUMNS WITHOUT TIE RODS AT GRIDS M-3, M-4, M-5, M-6, AND M-7:
 - a. Change sentence 'BARS MAY BE IN 6'-0" LENGTHS LAPPING 2'-0".' to read 'BARS MAY BE IN 6'-6" LENGTHS LAPPING 2'-6".' at vertical reinforcing note.
 - b. Change '#6x2'-9" + Hk' to read '#6 + Hk' at dowel note. Lap vertical bars with dowels 2'-6" min.
 - c. Change '#3 HOOPS' to read '#4 HOOPS' at concrete piers.

II. SHEET SW3.04; DETAIL SW3.04-A:

1. Detail SW3.04-A applies at Pre-Fab Columns at Grids N-1, N-3, N-5, N-7 and N-9.
2. Provide 1" diameter (A36) x 20'-0" Hairpin wrapped around anchor bolts and extended into middle of slab on grade.
3. Add 'EXTEND LOADING DOCK WALL REINFORCING (NOT SHOWN) THROUGH CONCRETE PIERS' note to detail.

JJ. SHEET EW1.01; 1/EW1.01 – LIGHTING FLOOR PLAN: 2" conduit shown on the north side and the south side of the building for the connection of the cable by the EMC shall terminate in a junction box mounted adjacent to the exterior lighting controller so the EMC can pull the cable to this point. Provide a copper to aluminum connector to their cable and extend the circuits through the controller to the circuit breaker indicated with #10 AWG copper wire.

KK. SHEET AG1.01:

1. FLOOR PLAN PARTITION LEGEND; TYPE A & B: Change R-value to (R19, MIN.).
2. 1/AG1.01 – GROUND FLOOR PLAN: Refer to attached sketch border SK-03/AG1.01 for revised floor plan.

LL. SHEET AG1.02; FLOOR PLAN PARTITION LEGEND; TYPE A & B: Change R-value to (R19, MIN.).

MM. SHEET AG2.01; ROOF PLAN LEGEND; D.S.-1: Add the following note:

'PROVIDE DOWNSPOUT BOOTS & REDUCER AT EACH DOWNSPOUT; PAINT DOWNSPOUT BOOT TO MATCH COLOR OF DOWNSPOUTS'

NN. SHEET AG5.07: Insert new sheet; refer to attached Rotary Lift details for additional requirements in base bid.

OO. SHEET AG6.02:

1. 1/AG6/02 – SECTION THRU MEZZANINE STAIR:
 - a. Shift door to the left per the floor plan changes.
 - b. Indicate steel beam under ceiling concrete slab near column gird '1'.
 - c. Indicate cont. U-block at intersection of ceiling concrete slab and CMU partition.
 - d. Indicate steel beam, in lieu of steel channel, under cantilevered concrete floor slab.
2. 4/AG6.02 – ENLARGED STAIR PLAN: Shift right side of door masonry opening 2½" from column line '1'.

PP. SHEET SG1.01: Refer to the attached sheet SG1.01 for revised drawing.

QQ. SHEET SG2.01:

1. Refer to attached Sketch SK-01/SG2.01 for revised plan area.
2. At lintel over door openings 109, 111A, 111B, 117 (and adjacent window each side), 118C and 120B; see TYPICAL CONCRETE LINTEL BEAM DETAIL on Sheet SG3.03 for details.
3. At lintel over window opening at Break Room 114, see TYPICAL CONCRETE LINTEL BEAM DETAIL on Sheet SG3.03 for details.
4. At Plan Legend Note [#], change shear connector length 5" to 4½".

RR. SHEET SG3.01:

1. SECTIONS SG3.01-A, SG3.01-C, SG3.01-G, SG3.01-H, SG3.01-M, SG3.01-P, SG3.01-S & SG3.01-T: Change '1½" CLR.' to read '2" CLR.' at slab on grade bottom reinforcing mat.
2. SECTION SG3.01-G: Change '#5@12" o.c.' to read '#4@12" o.c.' at 8" slab on grade reinforcing.
3. DETAIL SG3.01-Q: At trench width dimension delete 'SQ.' note.
4. SECTION SG3.01-R & SG3.01-S: Change '#4@16" o.c.' to read '#4@12" o.c.' at trench slab mat reinforcing.
5. SECTION SG3.01-R, SG3.01-S, and SG3.01-T & SG3.01-U: Change '3#4' to read '3#5' at trench slab mat reinforcing.

6. SECTION SG3.01-T & SG3.01-U: Add 'SEE DETAIL SG3.02-J FOR SLAB DETAILS AT T.R.' note to section.

SS. SHEET SG3.02:

1. Add SECTION SG3.02-H to sheet. Refer to attached Sketch SK-01/SG3.02.
2. Add DETAIL SG3.02-J to sheet. Refer to attached Sketch SK-02/SG3.02.
3. SECTION SG3.02-B: Provide #4x 6'-0" @ 12" o.c. bottom in addition to wire mesh at slab on grade at each side of pit.
4. SECTIONS SG3.02-C & SG3.02-F: Change '1½" CLR.' to read '2" CLR.' at slab on grade bottom reinforcing mat.
5. SECTION SG3.02-F: Provide #4x 6'-0" @ 12" o.c. bottom in addition to wire mesh at 6" slab on grade side of pit.
6. TYPICAL DETAIL AT EXTERIOR PRE-FABRICATED STEEL COLUMNS & FOOTINGS AT COLUMNS WITHOUT TIE RODS AT GRID C-10: Change 'SEE PLAN' to read '2'-0"' at turndown slab depth dimension.

TT. SHEET SG3.03:

1. Add TYPICAL CONCRETE LINTEL BEAM DETAIL to sheet. Refer to attached Sketch SK-01/SG3.03.
2. Add SECTION SG3.03-B to sheet. Refer to attached Sketch SK-02/SG3.03.
3. Add SECTION SG3.03-C to sheet. Refer to attached Sketch SK-03/SG3.03.
4. Add SECTION SG3.03-D to sheet. Refer to attached Sketch SK-04/SG3.03.
5. At ALL Details on this sheet, change 45 degree turndown slab angle to 60 degree.
6. At ALL Details on this sheet, at masonry wall reinforcing dowels length of dowels vary in lieu of length specified. Extend dowels to 3" clr. bottom of footing and lap 2'-0" min. with vertical reinforcing bars.
7. TYPICAL DETAIL AT EXTERIOR PRE-FABRICATED STEEL COLUMNS & FOOTINGS AT COLUMNS WITHOUT TIE RODS AT GRIDS H-1, H-2, AND H-3: Change Title to read 'TYPICAL DETAIL AT EXTERIOR PRE-FABRICATED STEEL COLUMNS & FOOTINGS AT COLUMNS WITHOUT TIE RODS AT GRIDS H-1 AND H-3'.
8. TYPICAL DETAIL AT EXTERIOR PRE-FABRICATED STEEL COLUMNS & FOOTINGS AT COLUMNS WITH TIE RODS AT GRIDS A-4, A-5, A-6, A-7, E-4, E-7, F-1, F-3, G-1 AND G-3: Change Title to read 'TYPICAL DETAIL AT EXTERIOR PRE-FABRICATED STEEL COLUMNS & FOOTINGS AT COLUMNS WITH TIE RODS AT GRIDS A-4, A-5, A-6, A-7, E-4, E-7, F-1, F-3, G-1, G-3 AND H-2'.

9. TYPICAL DETAIL AT PRE-FABRICATED STEEL COLUMNS & FOOTINGS AT COLUMNS WITH TIE RODS AT GRIDS E-2, AND E-3: Tie Rod (T.R.) occurs at both sides of Pre-Fab column at Grid E-2. Connect tie rod to base plate angle similar to other side. See Foundation Plan for location and other details.

UU. SHEET SG3.04:

1. SECTION SG3.04-B: Change 'LAP BARS 2'-0" MIN.' to read 'LAP BARS 2'-6" MIN.'
2. SECTIONS SG3.04-P & SG3.04-PP: Delete 'WITH 1/2" DIAMETER X 4" HEADED STUDS @ 12" o.c.' part of note at bent plate.
3. SECTIONS SG3.04-T & SG3.04-U: Delete 1/2"x4" plate and note. Connect headed studs to bottom of bent plate.

VV. SHEET EG1.01; 1/EG1.01 – LIGHTING FLOOR PLAN: Conduit shown at column 'C' and the electrical room for the connection of the cable by the EMC shall be two 2" conduits. The connection point for these conduits is now on the south side of the building. Terminate these conduits in a junction box mounted adjacent to the exterior lighting controller so the EMC can pull the cable to this point. Provide a copper to aluminum connector to their cable and extend the circuits through the controller to the circuit breaker indicated with #10 AWG copper wire.

WW. SHEET AT1.01; FLOOR PLAN PARTITION LEGEND; TYPE A & B: Change R-value to (R19, MIN.).

XX. SHEET AT2.01; ROOF PLAN LEGEND; D.S.: Add the following note:

'PROVIDE DOWNSPOUT BOOTS & REDUCER AT EACH DOWNSPOUT; PAINT DOWNSPOUT BOOT TO MATCH COLOR OF DOWNSPOUTS'

YY. SHEET ST1.01; TRUCK SHED FOUNDATION & FLOOR PLAN:

1. At Pre-Fab Columns at Grids K-2 and K-3, change footing size 'TF1' to read 'TF2'.
2. At Grid A, add Tie Rod T.R. continuous between Pre-Fab Columns at Grids A-1 and A-4.
3. At masonry wall footing at Grid 2 between Grids G and H, drop four feet wide section of footing to EL.= -(4'-0") at 4" S line shown on plumbing plan. Center dropped footing section on plumbing line.

ZZ. SHEET ST3.01:

1. SECTION ST3.01-B: Add 'NOTE: SEE SECTION ST3.01-C AT EACH SIDE OF DOOR.' note to section.
2. SECTIONS ST3.01-D, ST3.01-E, ST3.01-M, ST3.01-N & ST3.01-Q: Change '1/2" CLR.' to read '2" CLR.' at bottom reinforcing mat.

3. TYPICAL C.S.L.F.J. FLOOR JOINT DETAIL: Change '1½" CLR.' to read '2" CLR.' at bottom reinforcing mat.
4. SECTIONS ST3.01-F & ST3.01-G:
 - a. Change sentence 'BARS MAY BE IN 6'-0" LENGTHS LAPPING 2'-0".' to read 'BARS MAY BE IN 6'-6" LENGTHS LAPPING 2'-6".' at vertical reinforcing note.
 - b. Change '#6x2'-9" + Hk' to read '#6x3'-6" + Hk' at dowel note.
5. SECTION ST3.01-J: Delete 'OMIT SAND BED AS SHOWN ON ONE SIDE.' sentence.
6. SECTION ST3.01-R: Change '#4@16" o.c.' to read '#4@12" o.c.' at trench slab mat reinforcing.

VI. Clarifications:

- A. At ALL Pre-Fab Column Piers, if specified column pier size is increased because of base plate size, pier shall be reinforced with one percent steel area of actual pier area in lieu of the specified 4#7 vertical.

- B. Brief description of work for Rotary Lifts is as follows (coordinate with Lift Installer):

After the General Contractor has excavated an approximate 9' wide x 40' long x 8' deep excavation for lift vaults (before floor slab is poured), the Lift Installer will provide and place #57 stone in bottom of excavation, locate the lift vaults, provide and place crushed stone, vapor barrier, and rebar around the sides of the lift vaults per Rotary Lift drawings. The Lift Installer will also provide and install conduits between the lift control console and lift vault for electrical and air lines for each lift. At that time, the General Contractor is to backfill as necessary, and pour concrete slab (including an integral 3' x 3' collar of 4,000 PSI concrete) around lift vaults.

Once concrete has set, the Lift Installer will install the lift control consoles, install lift power units and lift jacks into vaults, run electrical and compressed air supply lines between each lift control console and corresponding lift vaults. General Contractor's Electrician shall then run/tie-in shop power 208/230/460 volt, 3-phase electrical supply adequate for two (2) five HP motors and one (1) 1/2 HP motor to each lift control console. Wiring from console to lift is provided by Rotary and connections are made by the Lift Installer.

General Contractor's Plumber will also then run/tie-in a compressed air line to each lift control console. Once these utilities are connected, the Lift Installer will provide and install hydraulic fluid, test the lifts, and train shop personnel.

- C. As a clarification to the switchgear specifications for switchboards (16425), panelboards (16470), and overcurrent protection, ie. circuit breakers (16475); the acceptable manufacturers are:

Square D (basis of design)
General Electric
Siemens
Cutler Hammer

- D. MC cable shall not be allowed above ceilings or within walls.
- E. Refer to attached exhibit 'Clarifications to Request for Information; Phase 2 – Buildings' for additional clarifications as part of this addendum.

Enclosures (55 pages)

END OF ADDENDUM NO. 2