



ADDENDUM NO. 1 TO PROJECT NO. 44328

**CONSTRUCTION WORK
REPLACE WINDOWS,
POWERHOUSE AND E-W HOUSING
30 EASTERN CORRECTIONAL FACILITY
INSTITUTION ROAD, PO BOX 338
NAPANOCH, NY 12458**

March 26, 2012

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual.
Acknowledge receipt of this Addendum in the space provided on the Bid Form.

SPECIFICATIONS

1. SECTION 085663 – STEEL DETENTION WINDOWS:
 - a. Page 085663-1, 1.02,A: Add the following paragraph:

“2. Optimum Window Mfg. Corp., 28 Canal Street, Ellenville, New York 12428, phone (845) 647-1900, www.optimumwindow.com.”
 - b. Page 085663-5, 2.02 FABRICATION: Add the following sentence to paragraph F;

“Windows shall be factory glazed by window manufacturer.”
 - c. Page 085663-7, 2.03 SHOP FINISHING: Delete Paragraphs C, D and E; add the following

“C. Urethane Finish System:
 1. E-COAT Pretreatment and Prime Painting:
 - a. After fabrication, windows, mullions, covers, and trim shall be subjected to an advanced 11 stage pretreatment process to thoroughly clean and prepare the substrates for E-Coat.
 - 1) Caustic soap spray cleaning
 - 2) Caustic soap emersion cleaning
 - 3) Cold water rinse, emersion
 - 4) Acid-etch pickling
 - 5) Cold water rinse, emersion
 - 6) Cold water rinse, emersion
 - 7) Rinse conditioner/ grain refiner, emersion
 - 8) Zinc phosphate application, emersion
 - 9) Cold water rinse, emersion
 - 10) Non-chrome sealer, emersion
 - 11) Reverse osmosis filtered water rinse, emersion

- b. Following pretreatment, windows and accessories are immersed into a cathodic epoxy primer of PPG Powercron®8000 or equivalent for the length of time required to coat all surfaces to a dry film thickness of minimum 0.8-1.2 mils.
 - c. All excess paint and runs are then removed by post rinse stages consisting of:
 - 1) Spray rinse of ultra-filtered RO water.
 - 2) Immersion in a rinse of ultra-filtered RO water for 3 minutes
 - 3) Spray rinse of ultra-filtered RO water
 - d. The material is then oven bake for 20 minutes at 325° (degrees) F metal temperature.
 - e. The material is then cooled in preparation for the final finish coat
2. Ultrathane Finish Top Coat
- a. Following the primer coat(s), all windows and accessories are given a spray coat of acrylic polyurethane and oven baked at 225°F for 15 minutes to dry film thickness of 1.5-2.0 mils.
 - b. The combined overall dry film thickness of the coatings shall be 2.3-3.2 mils.
- D. Bonderized and Polyester Powder Coat Finish System:
- 1. Bonderizing: After shot blasting; all materials to be bonderized or pretreated by a four stage process as a preparation for receiving paint, as follows:
 - a. High pressure wash with degreaser applied at a minimum 150 degrees Fahrenheit.
 - b. Warm water rinse.
 - c. Iron phosphate applied at minimum 130 degrees Fahrenheit.
 - d. Warm water rinse with a non-chrome post treatment solution.
 - 2. Prime Paint: After bonderizing, a coat of zinc rich thermosetting epoxy prime paint shall be applied and oven baked
 - a. Bake at 325 degrees Fahrenheit.
 - b. Dry film thickness of primer to be a minimum of 1.5 mils.
 - 3. Finish Paint: After prime coat, a baked on polyester powder coat finish system shall be applied.
 - a. Bake at 410 degrees Fahrenheit.
 - b. Total dry film thickness to be a minimum of 3.0 mils.”

DRAWINGS

- 2. Drawings A-102, A-103 & A-104:
 - a. TEMPORARY CONTROLS KEY: Add to note: “Assume 50’-0” linear feet of Temporary Partition, relocated 122 times for a total of 6,100 linear feet of temporary partition per specification section 015000.”
- 3. Drawing A-505:
 - a. Detail 4: Change note “TYPE C-2 PATCHING MORTAR INFILL, AS INDICATED.” to “TYPE C-1 PATCHING MORTAR INFILL, AS INDICATED.” See specification section 030131 for C-1 patching mortar.
- 4. Drawing A-600:
 - a. Building 50 (Power House) – Second Floor - Window Schedule: Add note “CONNECT TO NEW MECHANICAL OPERATOR” in the “Remarks” column for window no. 5019.

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- b. Building 50 (Power House) – Third Floor - Window Schedule: Add note “CONNECT TO NEW MECHANICAL OPERATOR” in the “Remarks” column for window no. 5025 through 5027.

- c. Window Elevations 1, window type E: Delete note and graphic for “MECHANICAL OPERATOR SYSTEM”. There is no mechanical operator system for window type E.

END OF ADDENDUM

James Dirolf, P.E.
Director of Design