



**Facilities & Operations
Modernization Project Office
Building 134C
P.O. Box 5000
Upton, NY 11973-5000**

Date: May 28, 2010

ADDENDUM NO. 7
to
SPECIFICATIONS AND DRAWINGS
to
Interdisciplinary Science Building - Phase I
Bldg 734

GENERAL: This Addendum is to amend Drawings and Specifications dated April 9, 2010 issued with the Bid Documents.

Material, work, and workmanship, except where specified otherwise in this Addendum, shall conform to all requirements of Contract Documents and become a part thereof.

ESH&Q
Risk Level A3-minor
Addendum 7

Activity No. 74905/65148
Project No. 11733

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CLARIFICATIONS:

1. Refer to specification section 08 44 13, par. 2.3 G for solar shades.
2. Reference Drawing C-400. For GuideRail use NYDOT M606-6 Corrugated Bean Guide Rail.
3. Drawings T-001, T-101A, and T-501 – T-101A shows a triangle symbol with the letters 'OC' next to it. The triangle with the OC designation is an overhead carrier mounted outlet similar in configuration to Detail 14/E5.01.
4. Specification 12 35 53 Section 2.8 – The wiring of data outlets in the overhead service carriers is to be performed by the telecommunications contractor.
5. Spec 12 35 53 Section 2.8.B. The same manufacturers listed for the Laboratory casework are acceptable for the Overhead Service Carrier, Casework system and Overhead Service Carriers shall be provided from a single manufacturer.
6. Spec 12 35 53 Section 2.9 for the Laser Shelf. There are no Laser shelves on this project.
7. Spec 11 53 13 Section 2.5.A states that the manufacturers are to be determined. The following manufacturers is acceptable.
Flow Sciences, Inc., 2025 Mercantile Drive, Leland, NC 28451
Tel: 800 849-3429. website: <http://www.flowsciences.com>
Substitution are permitted subject to Subject to section 01 61 00
8. Drawing Y-102B can be found in Volume II.
9. Scope of work in spec section 26 09 13 (Power Monitoring & Control System). Refer to specification section 26 23 00 – 2.4-D, 26 24 13 - 2.3-C and single line drawings the depict Digital Metering symbols. [DM]

10. Clarification on where window treatments should be provided. Under the applications/scope section 2.2 of specification 12 24 14, you will find the locations of roller shades as:
- A. Roller Shade Schedule:
1. Shade Type SH-1: Manual operating, chain drive, sunscreen roller shades in **exterior windows.**
 2. Shade Type SH-2: Manual operating, chain drive, room darkening blackout roller shades, operating independently of each other, in **exterior windows of Seminar Room 201, and in interior windows of Labs 137 and 138.**
11. Security drawings: Only conduit and cable shall be provided and installed under the contract, no cameras. Cable will be Cat. 6 installed by telecommunication contractor. EC is to provide junction boxes and pathways only to tray for this system. Minimum conduit size for cameras is 1”C.
12. Refer to drawing ES-101 for new ductbank and new manhole installations for this contract. Refer to drawing ES-101 & note 1 for manhole requirements.
13. Existing ductbank enters B515. New conduit shall be installed from entrance point to 1st floor fiber room as indicated. Contractor shall verify in field the elevation of the line entering B515.
14. Reference Addendum 2
- | | |
|--------------|--|
| ITEM
26 | GRAVEL COULD BE ELIMINATED --- BUILD. 4" SUB-BASE MATERIAL
Provide an allowance for the item. |
|--------------|--|
15. Refer to specification Section 11 53 00 for model number and manufacturers Balance Stations E-6 & E-7 and Section 11 53 13 for basis of design, description, construction and features.
16. Section 12 35 53 QL Drawings: All tops are 1” black epoxy as spelled out in Section 12 35 53, 2.3A.
17. Section 12 35 53: there are no stainless steel work surfaces. Provide stainless steel liner and epoxy work surface at fume hoods as noted with “S/S liner”. See QL drawings for location.

18. Section 11 53 01 Page 6 of Section 11 53 00, D. Cylinder Restraints lists USA Safety Solutions model #GB"--"FS. Model number shall be #GB"100"FS.
19. All sizes and components of the Point Exhaust system shown in both elevation 15/QL-202 and Room QL-101A (example) are the responsibility of the MEP contractor. Duct drops are shown in Mechanical Drawings and refer to General Notes on Mechanical drawings.
20. US—M shelving units and MB--B units.
 US—M shelving : provide 18 gauge steel shelves as specified in section 12 35 53 2.6.A
 MB--- (All mobile base cabinets) : provide epoxy resin top as specified in section 12 35 53 2.3.A
21. Reference Drawing S-208, the joist bearing elevations shown in the joist profiles show the top of column elevation at the gridline, which is not the centerline of the joist bearing. The sections on S-504 show the actual joist seat conditions. Joist seat at low end, see 6/S-504. Depth is 7¼" at center of seat. Joist seat at high end, see 4/S-504. Depth is per 6/S-504: 7¼" at center of seat.
22. Reference Drawing S-208, HSP-11: Joist seat at low end, see 6/S-504. Depth is 7¼" at center of seat. Joist seat at high end, the depth at the center of the seat is 6¾" per 2/S-208. HSP-13: Joist seat at low end: drawing erroneously says 3¼"; will be revised to say 7¼". Joist seat at high end: the depth at the center of the seat is 7 ¼" per 5/S-504; JBE in detail will be revised per section.
23. Reference Drawing A-202 Elev. 1. There is no curtain wall system in detail 1/A202 with the exception on the 2nd floor which has no metal panel.
24. Detail 4/A335, indicates Metal panel at the bottom and siding at top which matches 6/A315; also Detail 10/A335, indicate siding to underside of the roof, which matches 6/A315.
25. Cross section of the North Elev, Col. Line H between Col 7 & 14 is similar to detail 1/A370.

26. Spec 260913 and 4/E-503 – Spec section indicates that the project needs a power monitoring and control system as shown in a riser drawing. Refer to note 1 on detail 4/e5-03. Provide digital meter as shown on single line diagrams E-601, E6-02, E6-03 and E6-04. Refer to specifications for additional information.
27. Drawing Y-001 –The air-sampling smoke detector sampling port is a part of the Fenwal Analaser system specified as part of the fire alarm system. Selection of a sampling port type is part of the overall design of the air-sampling smoke detection system sampling network to be performed by the equipment vendor
28. Drawing C-500 is accurate and contours are clear. Existing elevations, upon start of ISB contract, will be as shown on sheet C-500.
29. Drawing C-500: Assume grades will remain at the same elevations shown on plan C-500 with little change. If the alternate boundary is not taken.
30. The aluminum grating adjacent to the ULV chambers is specified in 055010 Miscellaneous metals, See 055010-2.6-C .
31. See Specification Section 22 10 16 Plumbing Piping for make and model # for all floor drains, roof drains, and overflow roof drains.
32. See Specification Section 22 10 16 Plumbing Piping for make and model # for PRV-1 for domestic Water System and Lab Water System shown on Drawing PP-501.
33. Underground Lab Waste Piping is single wall Polypropylene as specified in Section 22 66 00 Waste Transfer.
34. A detail was not specifically provided on supporting the liquid nitrogen lines from the tank to the fill station. A simple low T-style pipe support with a Concrete sonotube footing is envisioned. Follow requirements of Section 20 05 29.
35. Refer to attached Schedule identifying Specification Section for each Piping System (vacuum, air, air below ground, nitrogen, etc.).
36. Louver type L7 has been deleted.

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37. Channel hardware for glass (reference to interior window elevation 5 and 6). The details shown depict our intention of how the glass should be installed. If manufacturer has hardware that meets the concept shown on the drawings they are permitted to price their hardware. The channels do not need to be a custom fabrication.

38. Drawing A-601 has hardware group 42 labeled for sound control doors #B12A & #B14. Door hardware group # 42 B12 and B14, EMI door by shielding manufacturer B13 and B15, Acoustic Doors by manufacturer .

HDW #42

1 set Cam Lift Hinges; by Acoustic Door Manufacturer -

1 ea Passage Latchset 45H0N x 3Jx630

Best

1 ea Closer 4041 x 689, pull side

LCN

1 ea Kick Plate 8 inch x 32D

Rockwood

1 ea Mop Plate 6 inch x

32D

Rockwood

1 set Acoustic Seal Gasketting, head & jambs; by Acoustic Door

Manufacturer

1 ea Automatic Door Bottom ; by Acoustic Door Manufacturer

Note: Any additional hardware required furnished by Acoustic Door Manufacturer.

39. The newly constructed parking lot will be completed prior to the building construction contract. Contractors can utilize the exiting parking lot across Brookhaven Avenue to accommodate the peak construction workforce. Workmen will not be permitted to park in the existing paved lot across Rochester St. Temporary electrical service will be made available on the west side of the site. See Pre-Bid presentation for additional details.

40. Cable tray is specified in section 27 05 28 – 2.1 – E. The direction is for conduits not cable tray for communications.

41. If items fit the description of Commercial Items in FAR 2.101, they are exempt from the Buy American requirement.

42. Embedded angle shown in detail 8/ S-310 shall be omitted. Drawing S-310 will be updated.

43. Details 1 & 2/ S-303: steel plate on top of the 2' high curb is required. Drawing S-303 will be updated. The plates shall be ½" x 6" continuous galvanized plate with ½" diameter x 0'-6" long headed studs at 12 inches on center.

44. Addendum #2, response # 5, RFI question was as follows.

The finish key on drawing I-601 calls for PWP panels per specification section 097753. Please be advised said specification section has not been included with the bid documents.

45. Please be advised that Architectural Wall Sections call for embedded angles at the edge of slab that are not shown on the structural sections. For example wall sections 3 & 4/ A-310 call for an embedded angle at the 2nd floor edge of slab with a callout to see structural drawings, structural section 2/ S-310 does not show an angle at this location.

Response: This was addressed in RFI #26. Drawing S-310 was updated as part of Addendum #6.

46. Please be advised that we have spoke with all (9) quarries & (10) fabricators listed on the Indiana Limestone Institute's website & in addition spoke with Jim Owens of the Indiana Limestone Institute and all have stated that they cannot quarry panels as shown on the elevations. For example panels on the East Elevation are depicted as long as 31' and as high as 6'. According to all, the max panel size ranges from 8'-12' x 4'-5'. Please advise on how to proceed.

Response: Indiana Limestone Panels shall be no larger than 5' x 11'. Panel division will be adjusted where is oversized.

47. To further clarify the Materials Testing and Controlled Inspections (Ref: Addendum#2, item #28 and the Revised Specs), all testing will be paid for by the contractor.

48. Can soldier beam (with sufficient toe) and lagging be utilized in lieu of the system specified (w/o Soil Anchors)?

Response: Contractor to hire a NY PE to design, sign, seal, and inspect the soil Retention system, shop drawings to be approved by AE prior to installation.