



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

Date: June 1, 2010

ADDENDUM NO. 8
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 8

Activity No. 74905/65148
Project No. 11733

MPO-007M, Rev. 0; 9/15/09; Approval:	Page 1 of 5
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REVISIONS TO SPECIFICATIONS:

Specification Sections	TOC – AD-8
	08 44 13
	08 71 00
	11 53 13
	20 07 00
	23 31 13
	23 84 13
	31 22 00

08 44 13 Curtainwall System (CWS)

1. Add Par. 2.4.C shadow box panel

08 71 00 Door Hardware

1. New HDW 42 was added

11 53 13 Fume Hoods and Exhaust Devices

1. Provide Custom ventilated enclosure manufacturers list.
2. Revise Par. 2.5.C

20 07 00 Pipe, Duct and Equipment Insulation

1. Add to Par. 3.4.B.2 and renumber

23 31 13 Air Distribution System:

1. Revise paragraph 1.1.A.8

23 84 13 Humidifiers:

1. Add Par. 2.1.A.1.b.r

31 22 00 Site Excavation and Rough Grading:

1. Revise par. 3.2.J.1
2. Add Par. 3.10.A and renumber

REVISIONS TO DRAWINGS:

Sheet No.	C-700
Sheet No.	S-102A
Sheet No.	S-208
Sheet No.	S-303
Sheet No.	S-310
Sheet No.	A-600
Sheet No.	PP-401A1
Sheet No.	PP-503

CIVIL

Drawing C-700

1. Add General Notes #15.

STRUCTURAL

Drawing S-102A

1. Revise approximate location of electrical floor boxes in presentation room.

Drawing S-208

1. Revise joist seat information for HSP-13.

Drawing S-303

1. Clarify plate location on top of curb.

Drawing S-310

1. Delete embed angle along typical slab edge with metal wall stud.

ARCHITECTURAL

Drawing A-600

1. Remove louver type L7 from louver schedule

PLUMBING

Drawing PP-401A1

1. Revise CDA and CA receiver

Drawing PP-503

1. Correction on cross reference to P101F on detail 5
2. Correction on Lift station float control bulb elevations
3. Correction on detail 2

CLARIFICATIONS:

1. Refer to specification section 08 44 13 – Curtain Wall Systems (CWS) for exterior window types 'E1', 'E2', 'E3', 'E4'.
2. For ISB Addendum 6, a new Section 23 21 00 Underground Chilled Water Systems was issued. Is the intent of this section to replace existing Section 31 23 60 Underground Chilled Water Systems?

The two sections are not identical and Section 31 23 60 appears to be more comprehensive as it includes additional subparts and Products not included in the new Section 23 21 00 issued with Addendum 6. Please advise which section is to be utilized for this work.

3. Grades shown on drawing CE-100 drawings shall be used in calculating earthwork quantities.
4. Embedded angle shown in detail 8/ S-310 shall be omitted.
5. Details 1 & 2/ S-303 shows a steel plate on top of the 2' high curb. Plates are 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.
6. Architectural Wall Sections call for embedded angles at the edge of slab. Drawing S-310 was updated as part of Addendum 6 to show an angle at this location.
7. 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'.
 - a. Response: Panels should be no larger than 5' x 11'. Panel division will be adjusted where oversized.

8. Re: Earth Retention System (Issued by Addendum. No. 2) Dwg. S-101B.1 indicates bottom of existing vault@ -14'0"BFF and bottom of nearest new footings @ -12'4" which does not seem to require an earth retention system. Please clarify.
 - a. The purpose of the earth retention system is to prevent undermining the existing steam vault when constructing the building foundation.

9. Is earth retention system required to protect/support steam lines at existing utility vault? If so please provide layout and inverts for said steam lines and extent (length and depth of retention system).
 - a. Retention system is to protect vault and associated piping. Contractor is to hand dig test pits to accurately determine location and depth of piping. Data from record design drawings provided to HDR by BNL shows piping to have inverts at elevation 83.5 – 84.0, field verify.

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

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.

11. Spec Section 20 07 00 – 8 , Section 3.4 Duct Insulation Non - Flexible calls for "9. ASJ Jacket on Exposed Ductwork." Spec Section 20 07 00 – 9 , Section 3.5 Duct Insulation, Flexible B. Calls for wrap on all Supply Ductwork. ASJ jacket is not available on Duct Wrap, only rigid board. Supply air ducts in mechanical rooms to be insulated with non-flexible insulation, 1-1/2 in thick.

12. 'Markerwall' is the name of the specific product item listed in the finish key. It is a full height 'Marker Board' as shown on drawings A-438. Specification requirements are clearly stated in spec section 10 11 00, 2.1.B and D designated as 'Marker Boards'.

13. EverGuard Roofing System Spec T-FA-N-I-60 is acceptable under Specification 07 54 25.

14. Electronic Security System (ESS) contractor shall be Enterprise premier certified in accordance with Specification Section 28 05 00.