

### 6030 Bid Addendum

Page 1 of 1

ADDENDUM NO.: 2

DATE OF ADDENDUM: 06/11/2015

#### New Bio-Environmental Technology Lab Prince Tech Vocational School 401 Flatbush Ave, Hartford, CT BI – RT – 870

Original Bid Due Date / Time:

06/17/2015

1:00pm

Previous Addendums: Addendum 1, dated April 29, 2015

#### TO: Prospective Bid Proposers:

This Addendum forms part of the "Contract Documents" and modifies or clarifies the original "Contract Documents" for this Project dated 2/27/15. Prospective Bid Proposers shall acknowledge receipt of the total number the Addenda issued for this Project on the space provided on Section 00 41 00 Bid Proposal Form. Failure to do may subject Bid Proposers to disqualification.

The following clarifications are applicable to drawings and specifications for the project referenced above.

Please Note: The Equal or substitute Product request for "CIF Lab Solutions" has been rejected.

#### Item 1

In Section 01 40 00, Paragraph 01 42 19 Reference Standards, Part D Governing Regulations and Authorities Line Item 1.10 has been changed to International Fire Code 2003.

#### Item 2

In Section 01 40 00, Paragraph 01 45 00 Quality Control, Paragraph B Responsibilities, Part 8 Fire Alarm/ Acceptance Testing Procedures.

Line Item 8.2.1 changed to "Protective Signaling Systems: All protective signaling systems shall meet with acceptance testing requirements of the applicable standards listed in NFPA 72-2002.

#### Item 3

In Section 22 05 03, Paragraph 2.5A

Paragraph was deleted, removing cast iron pipe from the chemical resistant sewer piping materials.

#### Item 4 (Drawings)

Drawing Attachment (shown in 8 1/2 X 11 format) Drawing size should be in 24 X 36 Drawing G1.2 GENERAL NOTES, ABBREV, & has been reissued. Drawing G2.1 EGRESS PLAN AND CODE DATA has been reissued.

Drawing FP3.000 FIRE PROTECTION DETAILS & LEGENDS has been reissued.

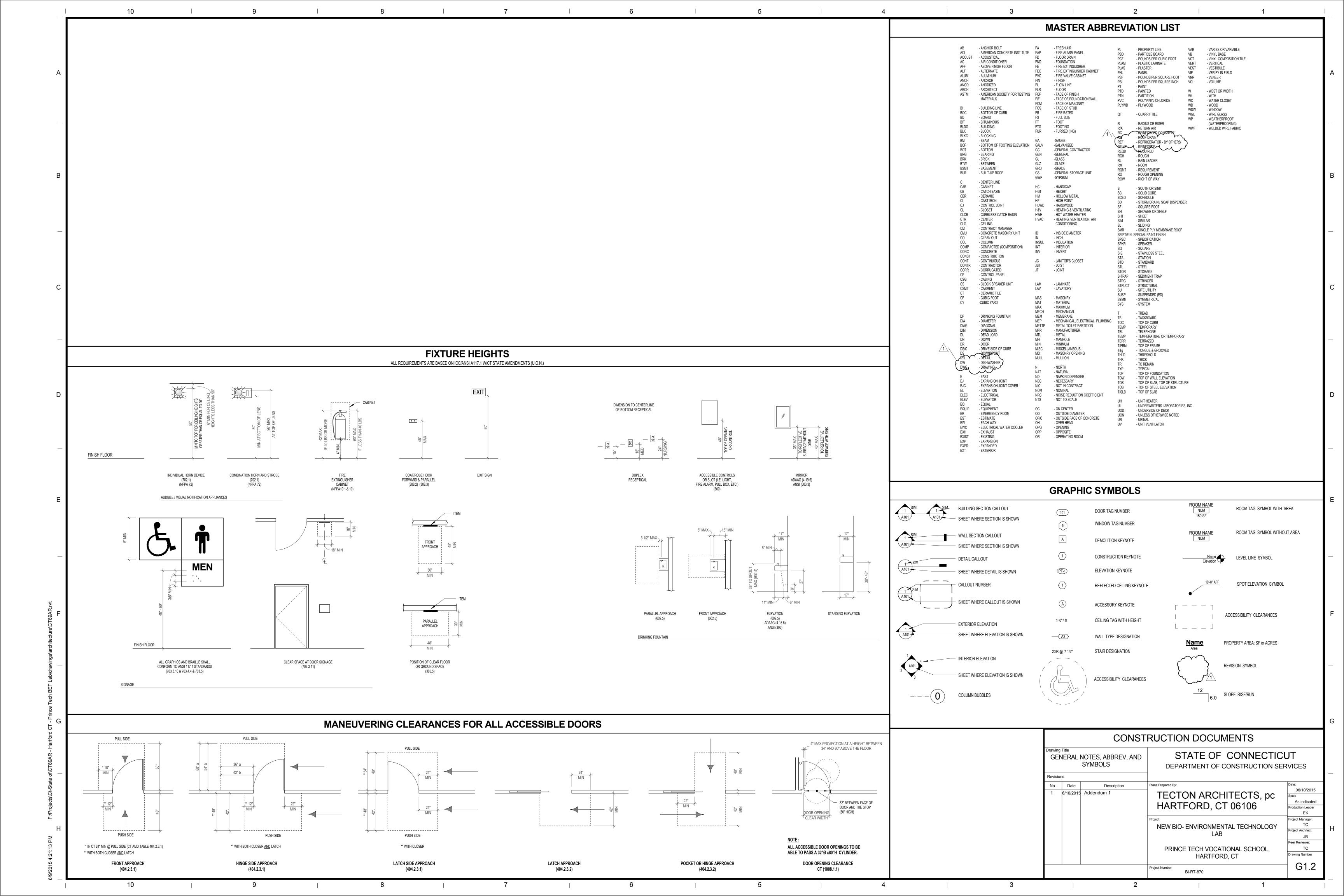
All questions must be in writing (not phone or e-mail) and must be forwarded to the consulting Architect/Engineer (Jim Becker 860-548-0802) with copies sent to the CT DCS Project Manager (Rob Dexter 860-713-5614) and Construction Manager (Rohit Pradhan 860-635-7740)

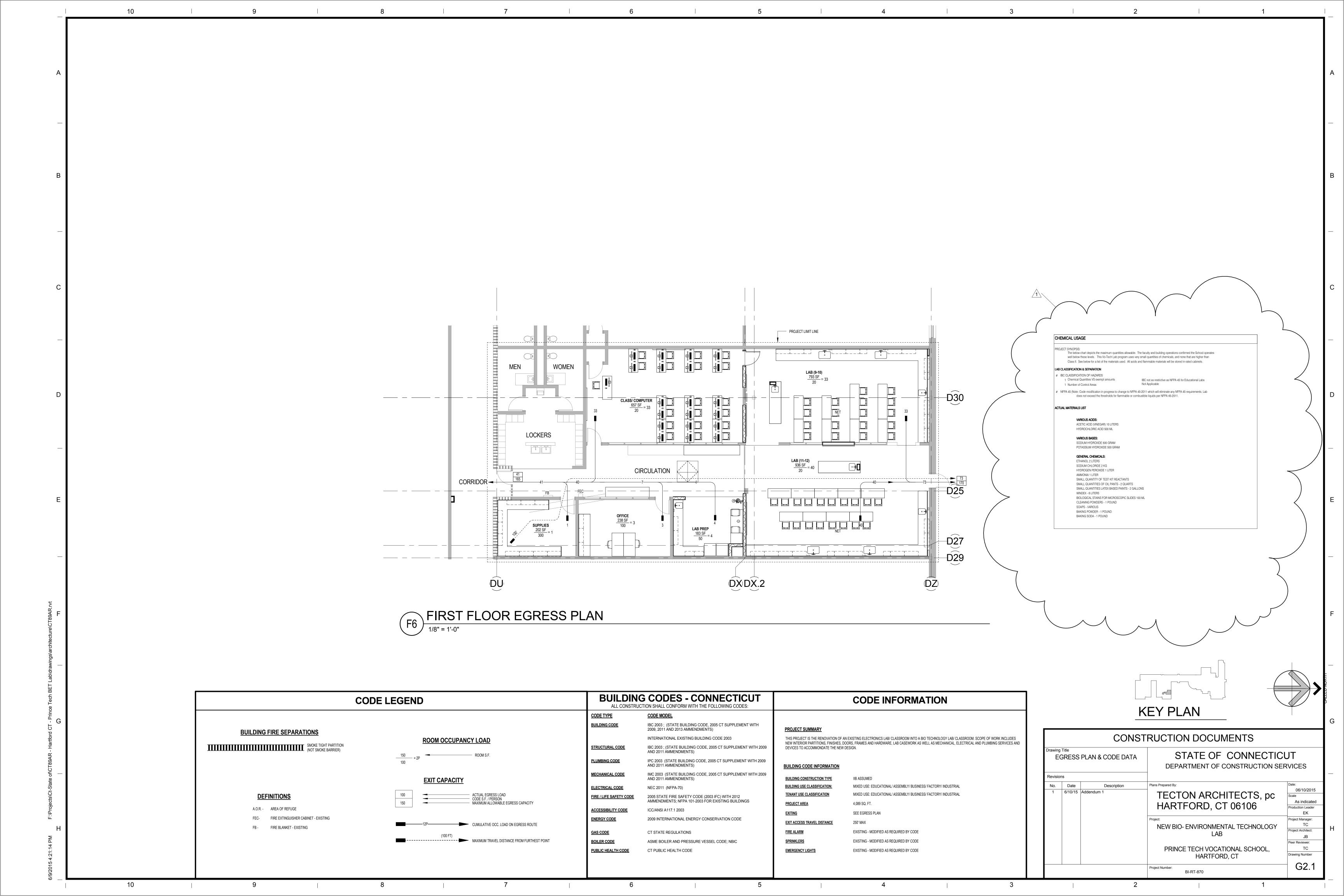
End of Addendum 2

Mellanee Walton, Associate Fiscal Administrative Officer

**Department of Administrative Services** 

On Behalf of the Division of Construction Services





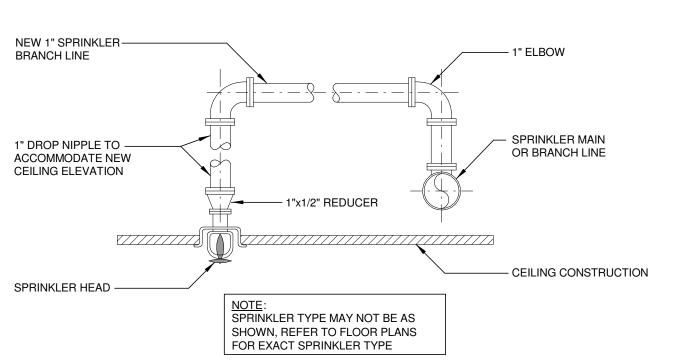
# 1)BRAIDED FLEXIBLE HOSE SPRINKLER ASSEMBLY

NOTES:

1. REFER TO MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS FOR ADDITIONAL DETAILS.

2. THIS PRODUCT IS APPROVED TO APPLICABLE FM STANDARDS AND REQUIREMENTS BY

FACTORY MUTUAL 1637



2 NEW ARMOVER DETAIL (HARD PIPED)
N.T.S.

## FIRE PROTECTION ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
DCV	DOUBLE CHECK VALVE
ELEV	ELEVATION
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FD	FIRE DEPARTMENT
FDC	FIRE DEPARTMENT CONNECTION
FHV	FIRE HOSE VALVE
FP	FIRE PROTECTION
FPM	FEET PER MINUTE
FS	FLOW SWITCH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	TOTAL DEVELOPED HEAD
HVC	HOSE VALVE CABINET
ITC	INTERMEDIATE TEMPERATURE CLASSIFICATION
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE
OS&Y	OUTSIDE SCREW AND YOLK
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
SS	SUPERVISORY SWITCH
TS	TAMPER SWITCH
TYP	TYPICAL
V	VOLTS
VEL	VELOCITY
WG	WIRE GUARD

SPRINKLER SYMBOLS		
SYMBOL	DESCRIPTION	
0	WET UPRIGHT SPRINKLER HEAD	
	WET FULLY CONCEALED SPRINKLER HEAD	

## SPRINKLER SYSTEM NOTES

- 1. THESE GENERAL NOTES ARE APPLICABLE TO ALL FIRE PROTECTION DRAWINGS.
- 2. DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL INTENT OF WORK, SEE DETAILS, RISERS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 3. THE DRAWINGS INDICATE A SUGGESTED SPRINKLER HEAD LAYOUT AND THAT EACH AREA IS COVERED BY SPRINKLER PROTECTION AS REQUIRED BY ALL APPLICABLE STATE OF CT. BUILDING AND FIRE CODES. THE SPRINKLER QUANTITIES SHALL NOT BE COUNTED. AS A TAKE OFF OR AS EXACT LOCATIONS. EXACT SPACING, DENSITY, AND LOCATION REQUIREMENTS SHALL BE AS DICTATED BY NFPA 13.
- 4. THE CONTRACTOR SHALL PERFORM A FLOW TEST TO VERIFY THE EXISTING FLOW DATA. INFORMATION FROM THE CONTRACTOR'S FLOW TEST SHALL BE USED FOR HYDRAULIC CALCULATIONS.
- 5. COMBINED INSIDE AND OUTSIDE HOSE STREAM ALLOWANCE FOR HYDRAULIC CALCULATIONS SHALL BE 250 GPM.
- 6. HYDRAULIC CALCULATIONS SHALL INCLUDE A SAFETY FACTOR OF 10%.
- 7. PIPE VELOCITY AT ANY POINT OF THE SYSTEM SHALL NOT EXCEED 18FPS.
- 8. INSTALLATION OF SPRINKLERS SHALL BE BASED ON THE FOLLOWING:

AREA	OCCUPANCY CLASSIFICATION	DENSITY (GPM/SF)	AREA OF APPLICATION (SF)	
MECHANICAL ROOM	ORDINARY HAZARD GROUP 1	0.15	1500	
STORAGE ROOMS	ORDINARY HAZARD GROUP 1	0.15	1500	
PROJECT AREA	ORDINARY HAZARD GROUP 2	0.20	1500	

## FIRE PROTECTION GENERAL NOTES

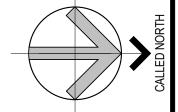
- THESE GENERAL NOTES ARE APPLICABLE TO ALL FIRE PROTECTION DRAWINGS.
- 2. SUPPLY PIPING INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES AND ARCHITECTURAL FEATURES. WHERE MOVABLE PARTITIONS ARE TO BE INSTALLED, PIPING SHALL BE INSTALLED TO PERMIT MOVING OF WALL OR
- 3. WHERE CEILINGS PERMIT THE PASSAGE OF HEAT TO ANOTHER ELEVATION SPRINKLERS SHALL BE INSTALLED AT TO PROTECT BELOW THE CEILING AND
- ABOVE THE CEILING.

  4. FURNISH AND INSTALL LOW POINT DRAINS FOR TRAPPED SECTIONS OF PIPING. TERMINATE LOW POINT DRAIN WITH VALVE AND THREADED HOSE END FITTING. FURNISH AND INSTALL ACCESS DOORS WHEN LOW POINT DRAINS ARE

CONCEALED ABOVE HARD CEILING AND FINISHED WALLS.

- 5. CONTRACTOR SHALL COORDINATE SUPPRESSION SYSTEM SHUT DOWNS WITH OWNER AND PROVIDE A MINIMUM OF (1) WEEK NOTICE PRIOR TO SHUT DOWN.
- 6. CONTRACTOR SHALL PROVIDE FIRE WATCHES WHEN SYSTEMS ARE SHUT DOWN OR INACTIVE. FIRE WATCH SHALL BE SUBJECT TO APPROVAL BY THE LOCAL AHJ. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE OFFICE OF STATE FIRE MARSHALL AND THE LOCAL FIRE DEPARTMENT PRIOR TO ANY INTERRUPTION, IMPAIRMENT AND REPAIR OF THE FIRE SPRINKLER SYSTEM. FIRE WATCHES SHALL BE PROVIDED THROUGHOUT AREAS WITHIN AND BEYOND THE PROJECT AREA, WHENEVER SPRINKLER SYSTEM SHUT DOWNS OCCUR.

7. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE THE OWNER WITH A MINIMUM OF (2) TWO SPRINKLERS FOR EACH TYPE INSTALLED UNDER THIS PROJECT TO BE INCLUDED IN THE OWNER STOCK PILE OF SPARE SPRINKLERS.



CONSTRUCTION DOCUMENTS  Drawing Title FIRE PROTECTION DETAILS & LEGENDS  Revisions  No. Date Description 1 6/10/15 Addendum 1  Plans Prepared By: TECTON ARCHITECTS, pc HABTEORD, CT 06106  Plans Prepared By: TECTON ARCHITECTS, pc HABTEORD, CT 06106				
FIRE PROTECTION DETAILS & STATE OF CONNECTICUT DEPARTMENT OF CONSTRUCTION SERVICES  Revisions  No. Date Description 1 6/10/15 Addendum 1 Plans Prepared By: TECTON ARCHITECTS, pc  Date: 06/10/2015 Scale	CONSTRUCTION DOCUMENTS			
No. Date Description  1 6/10/15 Addendum 1 Plans Prepared By:  TECTON ARCHITECTS, pc  Date: 06/10/2015 Scale	FIRE PROTECTION DETAILS &			
1 6/10/15 Addendum 1 TECTON ARCHITECTS, pc O6/10/2015 Scale	Revisions	]		_
Production Leader	2 222 122	4 ' '	06/10/2015 Scale	
LAB Project Architect.		NEW BIO- ENVIRONMENTAL TECHNOLOGY	Project Architect:	Н
PRINCE TECH VOCATION SCHOOL HARTFORD, CT			Drawing Number	
Project Number: FP3.000	· •		⊤P3.000	