

ADDENDUM NO.: 3
 DATE OF CMR ADDENDUM: 1/24/2014

**Notice of Construction Manager-at-Risk (CMR)
 Addendum
 on behalf of the
 CT Department of Administrative Services,
 Division of Construction Services (DCS)**

Project Name:	Renovations and Additions to Emmett O'Brien Technical High School
Project Location:	141 Prindle Avenue, Ansonia, Connecticut
CT DCS Project Number:	BI-RT-844-CMR

The Construction Manager-at-Risk (CMR) is issuing a **Notice of CMR Addendum** for this State of CT Department of Administrative Services, Division of Construction Services (DCS) Project. Specific Addendum Information is available as noted below. If you have any questions, please contact the CMR as noted below.

CMR Information:

CMR Firm:	The Fusco Corporation
Address:	777 Long Wharf Drive, New Haven, CT
Contact Name:	Michael Tyler, Director of Purchasing
Contact Phone Number:	203.777.7451
Contact Email Address:	mt Tyler@fusco.com

Addendum Information is available as follows:

CMR Website and/or FTP Site:	http://www.construction.com http://CProjects.com
Printing Company:	Joseph Merritt & Company, 60 Hamilton Street, New Haven, CT 06511

Addendum #3 addresses questions raised by bidders, provides additional information regarding existing conditions and temporary work and advises the bidders of contaminated soil removal work in the construction zone that the State plans to remove in June of 2014 that was not part of the original bid document package.

Copies: DCS Project Manager (joel.baranowski@ct.gov) DCS Process Management (randy.daigle@ct.gov)
 DCS Process Management (peter.babey@ct.gov)



ADDENDUM NO. 3

January 24, 2014

**Renovations and Additions to
Emmett O'Brien Technical High School
141 Prindle Avenue
ANSONIA, CONNECTICUT
Project # BI-RT-844-CM-R**

BIDS DUE Wednesday, JANUARY 29, 2014 before 3:00PM

Bids will be received at Emmett O'Brien Technical High School, 141 Prindle Avenue, Ansonia, CT.
Bids will be publicly opened and read aloud approximately 15 minutes after the bid receipt time.

This document consists of NINE (9) page plus the following Attachments:

- REQUEST FOR INFORMATION (RFI) REPORT- Project #BI-RT-844, dated 1.24.14, 53 pages
 - *Bidders Note: RFI Report is being issued in its entirety (RFI responses from Addendum #2 are included).*
 - *Bidders note the followings RFIs will be addressed in Addendum No. 3*
 - *RFI No. - .0037, .0039, .0044, .0047.0054, .0055, &.0067.*
- Sketches/Drawings issued as attachments to RFI responses.
 - Civil/Site
 - C5.2 -RFI# .0037
 - C5.3 - RFI# .0037
 - C5 -RFI# .0037
 - C6 -RFI# .0037
 - C8 -RFI# .0037, .0039
 - SKL-001 -RFI# .0037
 - Structural
 - Response Pre-GMP RFI .0041
 - Response Pre-GMP RFI .0099 SKS-002

- Architectural
 - SKEQ-4 -RFI#.0075
 - SKA-008_RFI-.00117
- Documents issued to Bidders for REFERENCE ONLY:
 - Figure 1 “Area of Impacted Soil at Former Manhole”, Fuss & O’Neill, dated January 2014. *Bidders Note- This work will be completed by the State of Connecticut under separate contract.*
- Bidders De-Scope Schedule, 1 page
- SKC-004 Phase 2 Temporary Access Plan, issued by Drummey, Rosane, Anderson, Inc., dated 1.14.14.
- Drummey, Rosane and Anderson, Inc. “DESIGN TEAM MODIFICATIONS TO CONTRACT DOCUMENTS, dated 1.23.14, 53 pages.

NOTICE TO BIDDERS:

THE FOLLOWING BID FORMS (Items 1-14) are to be submitted with your bid:

I. Bid Forms – The Bid Forms included in the Bid Documents must be used and **all required information and documents must be included and submitted in triplicate.**

1. Bid Forms A through F (Document 000950)
2. Bid Bond (Document A310)
3. Form of Surety (Document 000315)
4. Non-Collusion Affidavit of Prime Bidder (Document 000320)
5. Statement of Bidders Qualifications AIA Document A305 (Document 000412C)
6. Certification of Bidder Regarding Equal Employment Opportunity (Document 000360)
7. Contractors Wage Certification Form (Document 000847)
8. Project Labor Agreement Letter of Assent (**contained within PLA**) Submit only Pp 40 & 41 with bid.
9. Department of Administrative Services (DAS) "Contractor Prequalification Certificate and Update Statement- **Obtained by Bidder from CT DAS**
10. Notification to Bidders (Document 00330)
11. Contract Compliance Data Form (Document 00340)
12. Contractor's Minority Business Enterprises Utilization Form (Document 000350-3)
13. Notification to Bidders –CHRO (Document 000350-4)
14. Certification as to Corporate Principal (Document 00370)

II. Bid Drawings consist of ONLY the following disregard to any drawings identified in the bid packages scopes that do not appear on documents lists below:

- 1.) Drawing List on Dwg. INFO.1 by Drummeey, Rosane, Anderson, Inc., dated 10.23.13
- 2.) Sketches issued through Request for Information (RFI) responses per Addenda #2 and #3.
- 3.) Sketches/Drawings issued by Addenda #2 and #3 by the Drummeey, Rosane , Anderson, Inc.
- 4.) Sketches/Drawings issued Addenda #2 & #3 by Fusco Corporation.

BID PACKAGE SCOPE CLARIFICATIONS- ADDENDUM No. 3

1.1 Final Construction Cleaning

1. No Clarifications issued in this Addendum

1.2 Watchman Services

1. No Clarifications issued in this Addendum

2.0 Demolition & Abatement

1. Include all costs to obtain a demolition permit for work associated in the removal of existing 6 Bay Garage from the Town of Ansonia. REF: Bid Package Scope Clarifications Item 26.
2. REF: RFI .0054 At Drawing S-1.0A Add following note: 29. CUT AND PATCH EXISTING SLAB WITH NEW SLAB AS REQUIRED TO INSTALL EJECTOR PUMP AND ASSOCIATED PIPING. COORDINATE WITH PLUMBING DRAWINGS.
3. **SCOPE CLARIFICATION:** Refuse containers (roll dumpsters) shall be furnished by BP 2.0 Demolition... for mechanical, plumbing and electrical cut, cap and drop (selective demolition) removals.

3.0 Cast-In-Place Concrete

1. **SCOPE CLARIFICATION:** "Site Retaining Wall" on column line with Canopy Piers (DWG S-4.3) will be completed by BP 3.0 Cast in Place Concrete. REF: RFI .0072
2. At Drawing S-1.0A Add following note: 29. CUT AND PATCH EXISTING SLAB WITH NEW SLAB AS REQUIRED TO INSTALL EJECTOR PUMP AND ASSOCIATED PIPING. COORDINATE WITH PLUMBING DRAWINGS. REF: RFI .0054
3. **SCOPE CLARIFICATION:** a.) 1. This work shall include patching all existing slab on grade and slab on deck areas where existing piping is removed below finish floor. This extent of this work is identified on AD1 series dwgs (Architectural) and PD1 series dwgs (Plumbing).
4. **SCOPE CLARIFICATION:** Complete all joint sealant for work completed under this scope.
5. **ADDED SCOPE: ADDENDUM #3** Include all cast in place concrete work to complete work associated with SKL-003.

4.0 Masonry & Precast

1. **ADDED SCOPE: ADDENDUM #3-** Include all masonry work to complete all work associated with SKL-003.

5.0 Structural Steel & Metal Decking

1. No Clarifications issued in this Addendum

5.1 Metal Fabrications

1. No Clarifications issued in this Addendum

6.0 General Trades

1. **ADDITIONAL SCOPE:** Include in base bid 1000 sq ft of TYPE 2/GWB Partition type 1,2 hour wall (REF:Dwg A1.0.3) for use as temporary separation assemblies during construction phasing. Include Top of wall fire stopping (for this item only).
2. **ADDITIONAL SCOPE:** Include in base bid Installation and removal of existing Science Casework at Temporary Modular Classrooms (REF:Dwg AD1.2.B). Existing Science Casework will be moved to Temporary Modular Classrooms by BP 2.0 Demolition....
3. **ADDITIONAL SCOPE: ADDENDUM #3 , ADD 3-018 Section 116000,** Furnish and install residential appliances. BP 22.0 Plumbing and BP 26.0 Electrical shall complete final connections required for installation.

6.1 Architectural Millwork & Lab

1. **ADDITIONAL SCOPE- Reception Desk at Room A102 & A102a.** REF: RFI .00118 ADD to ALLOWANCES -ALLOWANCE NO. 1 \$15,000.00 . Architectural Millwork contractor shall carry an allowance for the manufacturing of new Reception Desk at Room 102 & 102a. This allowance is to cover all cost for shop dwgs and fabrication of this desk. Labor for installation shall be carried in the base bid and will not be charged against this allowance.

7.0 Roofing

1. **SCOPE CLARIFICATION:** Include all costs for independent roof services inspections as outlined in ADDENDUM #2.

07.1 Metal Wall & Roof Panels

1. No Clarifications issued in this Addendum

7.02 Fire Stopping

1. No Clarifications issued in this Addendum

8.0 Glass and Glazing

1. No Clarifications issued in this Addendum

8.1 Door, Frames, & Hardware

2. No Clarifications issued in this Addendum

8.2 Special Doors

1. No Clarifications issued in this Addendum

9.0 Ceramic and Quarry Tile

1. No Clarifications issued in this Addendum

9.1 Terrazzo Flooring

1. No Clarifications issued in this Addendum

9.2 Wood Flooring

1. No Clarifications issued in this Addendum

9.3 Athletic & Resilient Floors

1. No Clarifications issued in this Addendum

9.4 Special Flooring

1. No Clarifications issued in this Addendum

9.5 Acoustical Ceilings

1. No Clarifications issued in this Addendum

9.6 Painting & Fireproofing

1. No Clarifications issued in this Addendum

10.0 Signage

1. **ADDED SCOPE: ADDENDUM #3** Include all signage work and school logo per SKL-003 , .

10.1 Toilet Compartment and Accessories

1. No Clarifications issued in this Addendum

10.2 Lockers and Benches

1. No Clarifications issued in this Addendum

11.0 Food Service Equipment

1. **SCOPE CLARIFICATION:** BP22.0 Plumbing &...will install all Food Service Equipment Hoods. Hoods will be furnished by BP 11.0 Food Service Equipment. Final Electrical Connections will be by BP #26.0 Electrical.

12.0 Window Treatments

1. No Clarifications issued in this Addendum

13.0 Temporary Modular Classrooms

1. **ADDITIONAL SCOPE- Lunch Room Modular Building- Issued in Addendum No 2.** Furnish and install temporary modular lunch room units at High Meadows Facility, 825 Hartford Turnpike, Hamden, CT. Scope shall include Fire Suppression Systems, Rest Room w/accessories, marker boards, electrical service panels, concrete foundations/footings, decks, ramps, & stairs. Site utilities i.e. electric/voice/data, water, sanitary will be brought to the Lunch Room pad site by others for final Connections by BP #13.0 Temporary Modular Classrooms. Removal of temporary site utilities at the end of service will be by others. BP#13 will be responsible to disconnect utilities. Schedule: Start installation: June 2014, Owner Turn Over: August 2014, Demobilize: June 2015

21.0 Fire Suppression

1. **SCOPE CLARIFICATION:** MEP Trades will furnish all Architectural Access Doors required to access its work to BP 6.0 General Trades for installation.

22.0 Plumbing & HVAC

1. **SCOPE CLARIFICATION: BP 22.0 will furnish VFDs and Motor Starters for its equipment.**
2. At Drawing S-1.0A Add following note: 29. CUT AND PATCH EXISTING SLAB WITH NEW SLAB AS REQUIRED TO INSTALL EJECTOR PUMP AND ASSOCIATED PIPING. COORDINATE WITH PLUMBING DRAWINGS. REF: RFI .0054.
3. **SCOPE CLARIFICATION:** BP22.0 will install all Food Service Equipment Hoods. Hoods will be furnished by BP 11.0 Food Service Equipment. Final Electrical Connections will be by BP #26.0 Electrical.

4. **SCOPE CLARIFICATION:** Food Service Equipment- BP#22.0 install faucets, lever wastes, garbage disposal, quick disconnects hose, hand sinks etc. as furnished by BP 11.0 Food Service Equipment.
5. **SCOPE CLARIFICATION:** MEP Trades will furnish all Architectural Access Doors required to access its work to BP 6.0 General Trades for installation.
6. **SCOPE DELETION:** Do not include any costs for "Radon Mitigation Piping System" in bid proposal.

26.0 Electrical

1. **SCOPE CLARIFICATION:** BP 26.0 will furnish and install all disconnects for equipment supplied by BP #22.0. BP 26.0 will install only VFDs and Motor Starters. VFDs and Motor Starters will be furnished by BP 22.0.
2. **SCOPE CLARIFICATION:** BP22.0 will install all Food Service Equipment Hoods. Hoods will be furnished by BP 11.0 Food Service Equipment. Final Electrical Connections will be by BP #26.0 Electrical.
3. **SCOPE CLARIFICATION** –Item 10 Freezer/Coolers- ADD "Complete installation of interior lighting fixtures furnished by BP 11.0 Food Service Equipment for Walk-in Freezers/Coolers.
4. **SCOPE CLARIFICATION:** MEP Trades will furnish all Architectural Access Doors required to access its work to BP 6.0 General Trades for installation.
5. **SCOPE CLARIFICATION:** Complete all temporary power/voice/data installations required for Construction Manager's Field Offices as located on Site Logistics Plan Document 000935-1 issued in Addendum No2. As part of the temporary construction electric distribution furnish and install temporary 20A, 102V, exterior duplex outlet on the exterior of the Gymnasium Roof for owner's web cam. In addition provide mounting on roof area and install owner's web cam (device by others). Remove all temporary work at the completion of project.

26.1 Site Lighting

1. No Clarifications issued in this Addendum

31.0 Site Work

1. **ADDITIONAL SCOPE:** Furnish and all labor, equipment and materials to complete temporary access drive for Phase 4 Construction. REF: SKC-004, dated 1.14.14. Include removal at project completion.
2. **SCOPE CLARIFICATION:** Temporary Modular Classrooms- Review BP 13.0 Modular Classrooms and RFI .00114 as it pertains to BP 31.0 Sitework.
3. **SCOPE CLARIFICATION:** Temporary Modular Classrooms-Site Phasing. It is the intent that all new

**Renovations and Additions to
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Project # BI-RT-844-CM-R**

subsurface work will be completed prior to the mobilization of Modular Classrooms (January 2015). This shall include but not be limited to permanent /temporary water, electric, voice/data, site lighting bases & conduit and storm/sanitary systems. Building pad will be prepared at a minimum binder coarse bituminous concrete including island areas. Bidders shall include in its bid removal of bituminous concrete at islands, curbing, sweeping, tack coat and final top coarse after the removal of the temporary modular classrooms.

4. At Drawing S-1.0A Add following note: 29. CUT AND PATCH EXISTING SLAB WITH NEW SLAB AS REQUIRED TO INSTALL EJECTOR PUMP AND ASSOCIATED PIPING. COORDINATE WITH PLUMBING DRAWINGS. REF: RFI .0054
5. **SCOPE CLARIFICATION:** Remove references for demolition of existing garage building- This work to be completed by BP #2.0 Demolition & Hazardous.....
6. **SCOPE CLARIFICATION:** Complete all clearing, grubbing and grading for installation of temporary field offices and staff parking for Construction Manager as indicated on Project Site Logistics Plan Document 000535-1 issued in Addendum #2. Parking areas shall be minimum 6" gravel base / washed stone. Provide as required trenching, compaction and backfill for temporary electric service/voice/data to temporary offices from Area C. Removal all temporary work at completion of project.
7. **ADDED SCOPE: ADDENDUM #3:** Furnish and install all site furnishing Section323300 Site Improvements as applicable to this bid package.
8. **ADDED SCOPE: ADDENDUM #3** - Include all Earthwork required completing work associated with SKL-003.
9. **SCOPE DELETION:** Do not include any costs for "Radon Mitigation Piping System" in bid proposal.

31.2 Landscaping

1. **SCOPE CLARIFICATION:** BP 31.2 will furnish all labor, equipment and materials to complete Wash Stone Drip Edging (Detail F/L5.1).

31.4 Ford Street Athletic Fields.

1. **ADDITIONAL SCOPE:** There is to be a new irrigation system to cover the same area as the 1994 plan which was provided for information as part of Addendum #2. The specification; 32 80 00 is a performance spec for the new system. The 1994 system shall not be repaired but replaced. REF: RFI .00102 and Addendum #2. Bidders are instructed to include this work in their base bid.
2. **REMOVE IN ITS ENTIRETY:** ALLOWANCE No. 1 IRRIGATION REPAIRS. New Irrigation system (see #1 above) will be completed under the base bid.
3. **ADDED SCOPE: ADDENDUM #3:** Furnish and install all site furnishing Section323300 Site Improvements as applicable to this bid package.

**Renovations and Additions to
Emmett O'Brien Technical High School
141 Prindle Avenue, Ansonia CT
Project # BI-RT-844-CM-R**

END OF ADDENDUM NO. 2

Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

Project # BI-RT-844

141 Prindle Avenue
 Ansonia, CT 06401-2500
 Main Phone Number 203.732.1800

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.001	Test RFI Description	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	12/18/2013	12/25/2013	12/18/2013		Architectural
To Company		Attention					Author Company	
Drumme Rosane Anderson, Inc.		Wilson Rodriguez					Drumme Rosane Anderson, Inc.	
							Author by	
							Vladimir Lyubetsky	
Question				Answer				
This is the question.				Please refer to this and that.				
Please advise .								
.002	Bid Extension	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/02/2014	01/09/2014	01/03/2014		Architectural
To Company		Attention					Author Company	
Fusco Corporation, Inc		Mel Strauss					Fusco Corporation, Inc	
							Author by	
							Mel Strauss	
Question				Answer				
Due to the Holidays Do you fore see any extension of the Bid Date				At this time it is not likely that the bid will be extended. Mel Strauss Fusco Corp. 1.2.14				
.003	Food Service Equipment	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/03/2014	01/10/2014	01/07/2014		Food Service
To Company		Attention					Author Company	
Drumme Rosane Anderson, Inc.		Vladimir Lyubetsky					Fusco Corporation, Inc	
							Author by	
							Mel Strauss	
Question				Answer				

Request For Information

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On the equipment schedule- it goes up to item #105 and the written specification only go up to the item #104. Please advise what is needed

Section 11 40 00, FOOD SERVICE EQUIPMENT

Article 2.4, ADD Item No.105 after Item No.104 per the following:

"105 ICE MACHINE WITH STORAGE BIN

Make & Model:

Scotsman #CME256AS-1F, with #HTB350 Storage Bin; Hoshizaki; Manitowoc; or equal.

Dimensions:

30"W x 24"D x 27" mounted on bin unit 30"W x 31-1/2"D x 29.5"H.

Power:

1/2 H.P., 120V/60C/1 phase.

Description:

Provide modular ice cube machine with all standard construction, features and accessories, with production capacity of 307 lbs. of ice per 24 hours at 70°F air temperature. Control system shall monitor and control machine functions to ensure consistent ice production. Evaporator shall be hot tin dipped, molecularly bonded plate. Rust free polyethylene base shall be insulated with 1-1/2" foam. Unit shall be protected with Aqua Armor, which is a silver-based anti-microbial compound used to reduce growth of bacteria, microorganisms, algae and slime. Provide ice machine with filtration system."

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.006	Storefront System	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/06/2014	01/13/2014	01/14/2014		Architectural
To Company		Attention		Author Company		Author by		
Drumme y Rosane Anderson, Inc.		Vladimir Lyubetsky		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
Spec Section 2.2B specifies an EFCO 403T storefront system. This is a 2'x4 1/2" center system. DWG A6.27 details a front set system. DWG A6.28 details an EFCO S-960 system 6" deep. Also butt glazed verticle shown on Detail 11/A6.2.7 is not available with the 403 system. Please clarify which storefront system is to be used.				Specifications will be modified in Addendum. Sarah Roth DRA Architects				
.007	Finish Hardware Installation	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/06/2014	01/13/2014	01/07/2014		Architectural
To Company		Attention		Author Company		Author by		
Fusco Corporation, Inc		Mel Strauss		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
Scope Item #12 states this Bid Package installs hardware furnished by BP #8.1. Scope Item #18 states this bid package is to furnish hardware. Which is Correct?				"Bid Package #8.0 shall install all finish hardware for its Scope of Work. Finish hardware will be furnished only by BP #8.1 Doors, Frames and Hardware. Mel Strauss Fusco Corp. 1.6.14"				
.008	Glass and Glazing	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/06/2014	01/13/2014	01/13/2014		Architectural
To Company		Attention		Author Company		Author by		
Drumme y Rosane Anderson, Inc.		Vladimir Lyubetsky		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				

Request For Information

Summary Log of All RFIs

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1. DWG A6.2.6 states all exterior glass to be Type GX1. Type GX1 is Viracon VE6-2-M is Section 085113(2.2). Insulated glass specifiiec is Section 088100 2.5 is VE-6-85. Is VE 6-2M used only at the windows and VE6-85 used at the curtain wall?

2. Section 084413 page 8 shows interior glass Types G1-G4. A6.2.7 does not show a G3. Please advise.

3. Glass Legend shows a Type GX2 twice. Please claify.

Response to question No.1
 The description of Storefront glass types can be found in Section 084113, Article 2.2.
 The description of Curtainwall glass types can be found in Section 084413, Article 2.2.
 The description of Window glass types can be found in Section 085113 & 085114.

Response to question No.2
 Question #2 is unclear.

Storefront glass types on dwg. A6.2.6 is coordinated with specification section 08 41 13.
 Curtainwall glass types on dwg. A6.4.1 is coordinated with specification section 08 44 13.

Response to question No.3

On drawing A6.4.1, Overall Curtain Walls, REVISE the Curtainwall Glass Type Legend per the following:

REVISE glass type designation "GX2," related to Operable Glass Vent Section at Glass Art Work, to READ "GXA."

.009	Doors and Frames	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/06/2014	01/13/2014	01/13/2014		Architectural
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To Company	Attention	Author Company	Author by
Drummey Rosane Anderson, Inc.	Vladimir Lyubetsky	Fusco Corporation, Inc	Mel Strauss

Question **Answer**

Request For Information

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Emmett OBrien THS - Renovations

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0010	Finish Hardware	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/23/2014	01/30/2014	01/23/2014		Architectural
To Company		Attention		Author Company		Author by		
Fusco Corporation, Inc		Mel Strauss		Fusco Corporation, Inc		Mel Strauss		
Question		Answer						
Please advise if Corbin Russwin is an acceptable manufacturer for Locks and Exit Devices.		Based on Specification Section 08 71 00 Part 2 Products/ 2.01 MANUFACTURERS Corbin Russwin is not an acceptable manufacturer to the Awarding Authority. Mel Strauss Fusco Corp 1.6.14						
.0011		Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/06/2014	01/13/2014	01/07/2014		MEP
To Company		Attention		Author Company		Author by		
Fusco Corporation, Inc		Mel Strauss		Fusco Corporation, Inc		Mel Strauss		
Question		Answer						
Please clarify Plumbing and HVAC demo procedure BP #22 scope item #4 states that BP #22 is responsible to remove and dispose of all plumbing and HVAC installatons, yet below tiems a-c references identify cut, cap and drop. Please review and advise.		BP #22 Plumbing & HVAC is to cut, cap and drop installations. BP #2 Demolition and Hazardous Material Abatement wll remove debris from building to refuse containers. Mel Strauss, Fusco Corp. 1.6.14.						

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Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0012	MEP	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/06/2014	01/13/2014	01/08/2014		MEP

To Company
Consulting Engineering Services, Inc

Attention
Brian Wetzel

Author Company
Fusco Corporation, Inc

Author by
Mel Strauss

Question

Spec Section 22 34 00 is tagged Fuel Fired Domestic Water Heaters, but it appears to be the air compressor spec. Please advise.

Answer

The spec section 22 34 00 will be renumbered via addendum.
Jesse VanCamp
CES

.0013	Groove Pipe & Fitting	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/06/2014	01/13/2014	01/08/2014		MEP
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To Company
Consulting Engineering Services, Inc

Attention
Brian Wetzel

Author Company
Fusco Corporation, Inc

Author by
Mel Strauss

Question

Please confirm that grooved pipe and fitting are an acceptable joining method under the base bid on the hot water heating system.

Answer

Yes, this method of joining piping is allowed and is currently specified.
Refer to Specification Section 23 21 16, paragraph 2,01, subparagraph E.

Brian D. Wetzel
CES

.0014	Temporary RTU	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/06/2014	01/13/2014	01/07/2014		MEP
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To Company
Fusco Corporation, Inc

Attention
Mel Strauss

Author Company
Fusco Corporation, Inc

Author by
Mel Strauss

Question

Does the temporary RTU and associated piping work on DWG MEP1.1.2 fall under the temporary heat allowance? Please review and advise.

Answer

Temporary RTU and associated piping work on DWG MEP1.1.2 is part of base bid and will not be charged against temporary heat allowance. Mel Strauss, Fusco Corp 1.6.14.

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Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0015	MEP Pipe Sizes	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/06/2014	01/13/2014	01/08/2014		MEP
To Company		Attention		Author Company		Author by		
Consulting Engineering Services, Inc		Brian Wetzel		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
DWG MP1.12B the heating mains go from 3" to 2", on DWG MP1.12C the same mains are shown as 2-1/2". Please review as I believe the mains should be 2" and the 2-1/2" symbol is in error.				DWG MP1.1.2C is correct. Refer to the attached Sketch SK-M001 for revisions to DWG MP1.1.2B. Brian D. Wetzel CES				

.0016	Front End Documents	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/06/2014	01/13/2014	01/07/2014		
To Company		Attention		Author Company		Author by		
Fusco Corporation, Inc		Mel Strauss		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
Project Labor Agreement letter of assent 00 08 50-3 and notification to bidders - CHRO 00 03 50-4, that are required with the bid appear to be missing from the front end documents.				These documents will be issued by Addendum and will also include Document 00 04 12A DAS Update (Bid) Statement. Mel Strauss, Fusco Corp. 1.6.14				
.0017	Heat Pipe Sizes	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/06/2014	01/13/2014	01/08/2014		MEP
To Company		Attention		Author Company		Author by		
Consulting Engineering Services, Inc		Brian Wetzel		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
DWG MP1.10D shows (2) 4" heating hot water supplies and (2) 4" heating hot water returns leaving the Boiler Room. DWG M1.2.1D shows (2) 4" Supplies and (1) 6" return. Please review and advise.				DWG MP1.1.0D is correct. Refer to the attached Sketch SKM-002 for revisions to DWG M1.2.1D. Brian D. Wetzel CES				

Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

141 Prindle Avenue
Ansonia, CT 06401-2500
Main Phone Number 203.732.1800

Project # BI-RT-844

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0018	Skylight Dimensions	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/07/2014	01/14/2014	01/08/2014		Architectural
To Company		Attention		Author Company		Author by		
Drummey Rosane Anderson, Inc.		Vladimir Lyubetsky		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
Please provide overall dimensions for 3 new skylights and pitch.				Information provided by DRA is to be used for Basis of Bid only. Verification of Final dimensions and coordination is the responsibility of the Bid Package Contractor. Mel Strauss, Fusco Corp 1.7.14 Approximate dimensions for each skylight is 26' x 4'6", slope/pitch shall be 33,33 degrees. All dimensions must be verified in field by the Bid Package Contractor prior to the shop drawing submittals. DRA Architects				
.0019	Ceramic Tile Color	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/07/2014	01/14/2014	01/08/2014		Architectural
To Company		Attention		Author Company		Author by		
Drummey Rosane Anderson, Inc.		Vladimir Lyubetsky		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
Please clarify on elevations showing tile patterns what the field tile color is going to be. As this will effect pricing.				Refer to SKAF #s 001,002,003,004, & 005 furnished by DRA for elevations and color selections. Mel Strauss, Fusco Corp. 1.8.14				
.0020	Duct Work Clarifications	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/07/2014	01/14/2014	01/10/2014		MEP
To Company		Attention		Author Company		Author by		
Consulting Engineering Services, Inc		Brian Wetzel		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
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1.Mechanical Renovation Note #17 calls for exposed ductwork in Classrooms to be double wall. Should the shop thery rooms with no ceilings be considered classrooms and recieve double wall duct?

Yankee RFI #1: Yes.

2.Mechanical Renovation Note #15 calls for supply and return duct from the units to the VAVs to be internally lined. there are no retun boxes. What should be lined on the return side fo the system. Some untis show ligin on the return side while others do not. Should the round duct to the inlets of the VAVs also be lined, making them double wall? Please confirm that all the supply up to the VAVs is lined as the dwgs do not show liner the whole way.

Yankee RFI #2:

For all equipment scheduled on the Air Handling Unit Schedule on Drawing M3.1.3:

- For units served by VAV boxes: At the supply air ductwork, provide 1 ½" thick duct insulation liner from the outlet of each unit to the inlet of each VAV box (exterior insulation is not necessary where duct liner is installed). Return air ductwork shall be provided with 1" thick duct insulation liner from each unit's connection for the first 50 feet of ductwork away from each unit's connection; including branch ductwork.
- For units not served by VAV boxes: At the supply air ductwork, provide 1 ½" thick duct insulation liner from the outlet of each unit for the first 50 feet of ductwork away from each unit's connection including branch ductwork (exterior insulation is not necessary where duct liner is installed). Return air ductwork shall be provided with 1" thick duct insulation liner from each unit's connection for the first 50 feet of ductwork away from each unit's connection including branch ductwork.
- At Locations where double wall ductwork is to be installed, duct insulation liner shall not be required.

For MAU-1 and MAU-2: At the supply air ductwork, provide 1 ½" thick duct insulation liner from the outlet of each unit for the first 20 feet of ductwork away from the unit's connection including branch ductwork (exterior insulation is not necessary where duct liner is installed). Return air ductwork shall be provided with 1" thick duct insulation liner from each unit's connection for the first 20 feet of ductwork away from each unit's connection including branch ductwork .

Brian D. Wetzel
CES

.0021	Front End Documents	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/07/2014	01/14/2014	01/07/2014	Architectural
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To Company	Attention
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Fusco Corporation, Inc	Mel Strauss
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Author Company	Author by
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Fusco Corporation, Inc	Mel Strauss
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Question

.....In addition to missing Documents in Instruction of Bidders to be issued in Addendum We will also require Docu 00000770 Contractors Compliance Certificate and Document 000412d Bidder Info.

Answer

Bid Documents required to be submitted with Bids will be addressed in a future Addendum. Document 000770 Contractors Compliance Certificate is to be provided by Bidder through DAS. This is not a document issued by the CMR. Mel Strauss, Fusco Corp 1.7.14

.0022	Concrete Slab on Grade	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/07/2014	01/14/2014	01/08/2014	Structural
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To Company	Attention
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Fusco Corporation, Inc	Mel Strauss
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Author Company	Author by
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Fusco Corporation, Inc	Mel Strauss
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Request For Information

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Project # BI-RT-844

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Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
Question					Answer			
Supplemental Scope of Work Item #39 Is the saw cutting, removal, excavation and backfill by others?					With regardst to trenching for MEP work in existing building work is to be executed as follows: Sawing cutting/removal and disposal is to be performed by BP #2.0 Demolition Excavation, bedding, backfill and compaction is to be performed by BP 31.0 Site Work Replacement of concrete slab is to be performed by BP #3.0 Cast in Place Concrete Mel Strauss, Fusco Corp 1.7.14			
.0023	Concrete Stair Pans	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/07/2014	01/14/2014	01/08/2014		Architectural
To Company		Attention		Author Company		Author by		
Fusco Corporation, Inc		Mel Strauss		Fusco Corporation, Inc		Mel Strauss		
Question					Answer			
Supplemental Scope of Work Item 19 It appears General Trades Contractor has all of the OSHA protection items. Item 19.c.v mentions stair pan tread wood infills. This is also included in concrete scope					Bid Package #6.0 General Trades is responsible to furnish and install stair pan temporary wood infills. Bid Package #3.0 Cast in Place Concrete is responsible to remove, dispose of and sufficiently clean stair pans to complete its work. Mel Strauss, Fusco Corp. 1.7.14			
.0024	Missing MEP Specifications	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/07/2014	01/14/2014	01/08/2014		MEP
To Company		Attention		Author Company		Author by		
Consulting Engineering Services, Inc		Brian Wetzal		Fusco Corporation, Inc		Mel Strauss		
Question					Answer			
1. Please provide specification for Air Compressor System and the pipe/fitting materials. 2. Please provide specification for pipe and fitting required fro the forced sanitary piping					EPH#9: Refer to specification section 22 34 00 for compressed air system specification. This section will be relabeled via an addendum. EPH#10: Refer to section 22 10 00: 2.02 for pipe and fitting for use in the forced sanitary system. Jesse VanCamp CES			
.0025	Concrete Footing Schedule	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/07/2014	01/14/2014	01/08/2014		Structural
To Company		Attention		Author Company		Author by		
Szewczek Associates Consulting Engineers		Peter C. Celella		Fusco Corporation, Inc		Mel Strauss		
Question					Answer			
At Column Location G.2-32.5 The footing called out is F-3.0. F-3.0 does not appear in the footing Schedule (DWG S-1-0A).					Footing F3.0 is to be 3'-0" x 3'-0"x 1'-4" Thick, Reinforced with 3 - #6, Each Way, Bottom. Peter Celella Csewczak Associates			

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Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0026	CMU Haunch	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/08/2014	01/15/2014	01/08/2014		Structural
To Company		Attention		Author Company		Author by		
Szewczek Associates Consulting Engineers		Peter C. Celella		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
In our Scope of Work under "Clarifications" Item a.5 it indicates that we are to use the haunch detail for CMU in lieu of the footing detail. I also see in the documents that drilling and grouting of CMU dowels is not permitted. We all know that trying to hold CMU dowels in a haunch and have them be correct is not very good. The best method for this detail is to have the mason contractor drill and grout these dowels once the first course of block has been installed. This has been a generally accepted method. Please advise if this method can be approved.				The proposed method of drilling and grouting CMU dowels is structurally acceptable. Peter Celella Szewczak Associates				
.0027	Storm Manhole TF	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/08/2014	01/15/2014	01/15/2014		Civil
To Company		Attention		Author Company		Author by		
URS Corporation		Fraser Walsh		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
There is no TOP of FRAME elevation for #19 Storm Manhole at 31+97.50. Please provide				Please use elevation 409.2 for storm Manhole #19. (Top of Frame). URS Corp. - Fraser Walsh				
.0028	Sliding Accordion Fire Door	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/13/2014	01/20/2014	01/17/2014		Architectural
To Company		Attention		Author Company		Author by		
Fusco Corporation, Inc		Mel Strauss		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
Are the Options found in Spec Section 08 35 13 on page 7 are, in fact required?				Yes- Contractor to submit bid based on project specifications. Mel Strauss, Fusco Corp. 1.13.14				
L. Vision Panel								
N. LCD Door Status display								
O. Air pressure Resistance to .15								
These will all ADD cost to the door and are not required for this application.								
.0030	Project Labor Agreement	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/08/2014	01/15/2014	01/08/2014		
To Company		Attention		Author Company		Author by		
Fusco Corporation, Inc		Mel Strauss		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
Are the M/WBE and SBE Bid Packages subject to the requirements of the Project Labor Agreement (PLA).				"All contractors performing work on-site are to agree to be bound to the PLA. There is no carve-out for MBE/SBE set aside packages." Mel Strauss, Fusco Corp. 1.8.14				

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0031	Electrical Panels	Fusco Corporation, Inc	Drummeey Rosane Anderson, Inc.	01/09/2014	01/16/2014	01/13/2014		MEP

To Company	Attention
Consulting Engineering Services, Inc	Brian Wetzel

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Dwg E2.1.5 shows a panel SP-7A which is not shown on riser Dwg. E2.1.1. Please clarify.

Answer

Response to question #1
The Motor Circuit Schedule on drawing E2.1.6 will be re-issued by Addendum to clarify.

Response to question #2
Delete Panel SP-7A from the Panelboard Schedule on drawing E2.1.5.

Response to question #3
Correct, cabling and equipment will be by others.

.0032	Telecom & Security	Fusco Corporation, Inc	Drummeey Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/14/2014		Security
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Please verify that the electrical contractor is only responsible to carry backboxes and conduit stubs for the telecom and security portion of the project and that cabling and equipment shall be by others.

Answer

Response to question #3
Correct, cabling and equipment will be by others. **Per RFI .0033 CES Response dated, 1.10.14 Mel Strauss, Fusco Corp. 1.14.14**

We believe Fusco is referencing RFI .0031. - DRA Architects 1/14/2014

Correct, RFI .0031 CES Response dated, 1.10.14 Mel Strauss, Fusco Corp. 1.14.14

.0033	Motor Starters, VFDs and Disconnects	Fusco Corporation, Inc	Drummeey Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/14/2014		MEP
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Since the Dwgs do not clearly show which contracotr is responsible to include motor starters, VFDs and Disconnects. please clarify who is to furnish these for the mechanical equipment. Item #12 in the electrical bid package states that these are to be provided by the contractor providing the equipment, Dwg E2.1.6 sort of contradicts that.

Answer

**Response to question #1
The Motor Circuit Schedule on drawing E2.1.6 will be re-issued by Addendum to clarify.**

Per RFI .0033 CES Response dated, 1.10.14 Mel Strauss, Fusco Corp. 1.14.14

We believe that Fusco is referencing RFI .0031, DRA Architects 1/14/2014

Correct, RFI .0033 CES Response dated, 1.10.14 Mel Strauss, Fusco Corp. 1.14.14

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0034	Underground Detention System	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/08/2014	01/15/2014	01/13/2014		Civil / Sitework
To Company		Attention					Author Company	
URS Corporation		Fraser Walsh					Fusco Corporation, Inc	
							Author by	
							Mel Strauss	
Question				Answer				
On sheet C5 states the underground Detention Systems -East is 4,013 SFT. Taking the information on the Detail Sheet (C-13) the SFT area does not work out. Trying to scale or count the number of pieces to be installed does not work out. Without correct information this can casue the contractor to not have enough material cost if we are to assume the Square Foot information is correct.				Refer to the attached Sketch SKC-003 for revisions to site DWG C-5.				
				Fraser Walsh URS				
.0035	Kitchen Grease Waste	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/08/2014	01/15/2014	01/08/2014		MEP
To Company		Attention					Author Company	
Consulting Engineering Services, Inc		Brian Wetzel					Fusco Corporation, Inc	
							Author by	
							Mel Strauss	
Question				Answer				
Is the kitchen grease waste required to be heat traced?				No, the grease waste piping is not required to be heat traced.				
				Jesse VanCamp CES				
.0036	Site Logistics Plan	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/10/2014	01/17/2014	01/10/2014		Sitework
To Company		Attention					Author Company	
Fusco Corporation, Inc		Mel Strauss					Fusco Corporation, Inc	
							Author by	
							Mel Strauss	
Question				Answer				
Site Logistics Plan appears to be missing from the Bid Documents. Please provide				Preliminary Site Logistics Dwg will be issued in Addendum. Mel Strauss, Fusco Corp. 1.10.14				

Request For Information

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0037	Site Grading	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/10/2014	01/17/2014	01/23/2014		Sitework

To Company	Attention
URS Corporation	Fraser Walsh

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

There are discrepancies between grading plan and enlarged grading plans. The grading at the entrance circle does not work. It goes from 409.8 to 409 and then back up. The entire area does not tie into the rest of the site or with the building area. It seems as if there should be an added drainage structure in this area, or that the grade should be raised, which would lead to a step/ramp at the entrance of the building. Please clarify the grading around the entrance circle.

Answer

The grading in the area at the east side of the horseshoe drive has been revised to drain properly. See SKL - 001 Site Grading Enlargement dated 01/15/2014 for the enlargement of this area.
 See C5 Site Utility Plan – Prindle revisions dated 01/17/2014
 See C5.2 Site Utility Profiles Storm Sewer revisions dated 01/17/2014
 See C5.3 Site Utility Profiles Storm Sewer (cont.) revisions dated 01/17/2014
 See C6 Site Grading and SESC plan - Prindle revisions dated 01/17/2014 for grading clarifications overall.
 See C8 Storm Sewer Structures Table and Details revisions dated 01/17/2014
 The above listed drawings and sketch are attached to this RFI Response.
 CR3 and URS

.0038	Art Work Glazing	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/10/2014	01/17/2014	01/10/2014		Architectural
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Glass Legend Type GX2 states "Provide laminated glass for artist work.

- A.) Confirm Art Work is by Others
- B.) The inner lite of the GX2 is laminated Lite. Do we supply only this lite or the complete insulated unit?

Answer

- A.) Art work is by others. BP #8.0 is responsible to coordinate its work with Art Work supplier (Artist).
- B.) BP #8.0 is to supply complete insulated unit. BP #8.0 is responsible to coordinate its work with Art Work supplier (Artist).

Mel Strauss, Fusco Corp. 1.10.14

.0039	Site Grading	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/10/2014	01/17/2014	01/23/2014		Sitework
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To Company	Attention
URS Corporation	Fraser Walsh

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

There are discrepancies between the grading elevations and some of the Utility frame elevations given. Storm utility structures 6,9, and 45 are dependent on the grading around the entrance circle (RFI#3-PMWEB #.0037). SW MH 45 is currently 3ft above proposed grade. The underground detention frame elevation given is 398.00 +/- which is roughly 3.5' below the proposed grade. Are these tops designed to be covered? Sanitary MH5 and 5A are shown to be about 1.5ft above proposed grade. Please clarify frame elevations for these structures.

Answer

URS has addressed this RFI. See Drawing C8 - Storm Sewer Structures Tables and Details revision dated 01/17/2014.
 See attached Drawing C8 revised 01/17/2014.
 URS

.0040	23 83 00 Equipment manufacturers	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/10/2014	01/17/2014	01/14/2014		MEP
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Request For Information

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Main Phone Number 203.732.1800

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
To Company		Attention			Author Company		Author by	
	Consulting Engineering Services, Inc	Brian Wetzel			Fusco Corporation, Inc		Mel Strauss	
Question					Answer			
<p>Would the following manufacturers to (sic) considered approved equals?</p> <p>1.) 23 83 00- 2.02 CUH Rittling 2.) 23 83 00- 2.01 UH Rittling 3.) 23 83 00- 2.05 RCP Airtite 4.) 23 83 00- 2.03 FTR Rittling Please review and advise.</p>					<p>We take no exception to listing Rittling and Airtite as acceptable manufacturers. Specifications shall be revised as follows:</p> <ol style="list-style-type: none"> 1. At Specification Sections 238300; at paragraph 2.02, Add Rittling to the list of manufacturers. 2. At Specification Sections 238300; at paragraph 2.01, Add Rittling to the list of manufacturers. 3. At Specification Sections 238300; at paragraph 2.05, Add Airtite to the list of manufacturers. 4. At Specification Sections 238300; at paragraph 2.03, Add Rittling to the list of manufacturers. 			

.0041	Structural Steel	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/13/2014	01/20/2014	01/23/2014		Structural
To Company		Attention		Author Company		Author by		
	Szewczek Associates Consulting Engineers	Peter C. Celella		Fusco Corporation, Inc		Mel Strauss		
Question					Answer			
Please provide a section cut of NOTE #1 on DWG S-2.0.H.					See Czewczak Associates response with Structural Detail Sketch Dated 1/14/14 attached to this RFI.			

.0042	Temperature Controls	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/13/2014	01/20/2014	01/15/2014		MEP
To Company		Attention		Author Company		Author by		
	Consulting Engineering Services, Inc	Brian Wetzel		Fusco Corporation, Inc		Mel Strauss		
Question					Answer			
<p>Section -230900 Part 2 Products Section 2.01 lists several manufactures Can you please consider adding Distech and/or Siemens Talon by Connecticut Temperature Controls, LLC. CTC is a full service energy management, temperature controls and system integration company that provides complete building management systems (design, installation, commissioning, service and support) to our customers located throughout the State of Connecticut and Western Massachusetts. CTC has been in business for 15 years and is a leader in providing open DDC systems in the Commercial / Industrial market. CTC is authorized as a Siemens Solution Partner and a Distech Controls Integrator for the Tridium based open Siemens Talon and Distech EC-Net AX product lines. EC-Net AX and Talon are both BACnet listed and LONMARK certified and fully meet the requirements under the control specifications.</p>					<p>We take no exception to listing CTC Controls as acceptable manufacturers. Specifications shall be revised as follows:</p> <p>At Specification Sections 230900 and 230923; at paragraph 2.01, Add Connecticut Temperature Controls (CTC) to the list of manufacturers.</p> <p>Brian D. Wetzel - CES</p>			

.0043	Casework	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/23/2014		Architectural
To Company		Attention		Author Company		Author by		
	Drumme Rosane Anderson, Inc.	Vladimir Lyubetsky		Fusco Corporation, Inc		Mel Strauss		
Question					Answer			
1.) What BP and Spec section covers sinks? Keynotes as SS-4 as shown on dwg EQ.7. SS-4 is not shown on any sink schedule on the EQ or Plumbing dwgs.					1.) Response: Modify Specification Section 116000, Fixed Casework and			

Request For Information

Summary Log of All RFIs

2.) Casework Elevations SC-15 thru SC-18 and HC-01 thru HC-08 area shown on DWG EQ.7. However elevation descriptions in Spec Section 116000 only has descriptions for SC-01 thru SC-14 Please clarify.

3.) Please Clarify what BP & Spec Section covers the appliances on Dwg EQ.7.

Equipment per the following:

ADD Paragraph D to Article 2.3 as follows:

"D. Stainless steel sink assembly #SS-4 shall be Elkay #DRK-ADA-2517, 6" deep with a rear drain outlet. Sink shall include HW & CW mixing swingspout faucet, Chicago #2800-8CP with Strainer and tailpiece #LK-35 and LK-35L."

2.) Response:

Modify Specification Section 116000, Fixed Casework and Equipment per the following:

Article 2.8, ADD the following items to be supplied by the Equipment Sub-Contractor.

SC-15, SC-16, SC-17, SC-18, HC-01, HC-02, HC-03, HC-04, HC-05, HC-06, HC-07 & HC-08.

Construction of the above assemblies shall conform to section 116000 construction. "SC" items shall have epoxy resin top and "HC" items shall have 1-1/4" thick Plastic laminate tops with backsplashes. Plastic Laminate top shall have 3mm PVC edge.

3.) Response:

Section 116000, All appliances shown on sheets EQ-1 thru EQ-7 (Items "SC" and "HC") inclusive shall be supplied by the Equipment Sub-Contractor. All appliances shall be Energy Star approved and of one Manufacturer.

Modify Specification Section 116000, Fixed Casework and Equipment per the following:

Article 2.7, ADD the following items:

CLDR Clothes Dryer, equal to General Electric #GFDS355ELMS. Provide clothes dryer complete with all standard construction, features and accessories, including Steam Refresh/Steam Dewrinkle; Sensor Dry Plus; eDry Energy to reduce dry temperatures on select cycles without sacrificing performance; Active Wear Cycle; My Cycles – a custom cycle that can be set for specific or frequent needs; Speed Dry that quickly dries items and small loads; 1-24 Hour Delay Start; up to 90 ft. venting capability; and ADA Compliant. Dryer shall be 27"W x 33"D x 40-1/2"H provided with 4" diameter exhaust to atmosphere, and 4.4 K.W., 22 Amps., 208V/60C/1 phase power requirements with cord and plug.

CLWA Clothes Washer, equal to General Electric #GFWS3505LMS. Provide clothes washer complete with all standard construction, features and accessories, including Refresh/Steam Assist; ENERGY STAR qualified; Adaptive Vibration Control (AVC); HydroHeater with sanitation – internal water heater boosts incoming water temperature to brighten whites while helping eliminate common bacteria; Steam Wash Cycle, including a special cycle designed to fight tough stains and provide a deep, thorough clean; Speed Wash that provides a quick wash for lightly soiled items; adaptive fill where washer automatically fills with just the right amount of water for the load; washable wool cycle to provide effective cleaning care for washable wool items; demand side management capable; and ADA Compliant. Washer shall be 27"W x 34"D x 40-1/2"H provided with 12.0 Amps, 120V/60/1 phase power requirements with cord and plug.

4.) Bidder Question:

Both referenced spec sections (116000 & 123213) cover wood casement. However the construction is specified differently. Can the same construction be used for both spec sections?

Response:

No.

Refer to specification section 116000, Article 1.2, paragraph A.

Refer to specification section 123213, Article 1.2, paragraph

Request For Information

Summary Log of All RFIs

A.

.0044	Structural Steel Details	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/17/2014	Structural
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To Company	Attention
Szewczek Associates Consulting Engineers	Peter C. Celella

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

- 1.) Please provide a detail/sketch of the C8x 11.5 vertical jambs at Col line e1.
- 2.) Please provide a detail/sketch at the outriggers along col line 16.8.
- 3.) Please provide detail/sketch of he connection of S10x25.4 crane hoist beam to the roof joist.

Answer

1. Clip underside of existing steel framing with vertically slotted connection. Contractor to field verify.
2. Provide full capacity moment connection to Detail and submit shop drawing for approval.
3. Weld to bottom of roof joist.

Peter Celella - Czewczak Associates 1/14/2014

.0045	Store Front Systems	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/14/2014	Architectural
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To Company	Attention
Drumme Rosane Anderson, Inc.	Vladimir Lyubetsky

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Elevation SF 9 on A6.2.6 shows a metal panel designated at Details 13 &15. These details on A6.2.7 show break metal. Which is correct.

Answer

Break Metal designation on Detail 13&15 on Drawing A6.2.7 is correct. - DRA Architects 1/14/14

.0046	Anchor Bolts	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/14/2014	Structural
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

- 1.) Which Bid Package provides anchor bolts?
- 2.) Which Bid Package provides the frames and grating for the trench drains?
- 3.) Which Bid Package provides the steel fo rhte canopy framing?

Answer

- 1.) Anchors Bolts to be furnished by BP 5.0 Structural Steel specific to its work in accordance with Scope Item " 9. Leveling and Bearing Plates...."
Bid Package #5.1 Metal Fabrications shall furnish embeds, leveling plates, anchor bolts etc.. specific to its work.
Mel Strauss, Fusco Corp. 1.14.14
- 2.) BP 5.0 Strucural Steel to furnish only frames and grating. BP 3.0 Cast in Place Concrete will install these items with its work. Mel Strauss, Fusco Corp. 1.14.14
- 3.) BP 5.0 Structural Steel will furnish and install canopy steel framing. Mel Strauss, Fusco Corp. 1.14.1

.0047	Cellular Deck	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/17/2014	Structural
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To Company	Attention
Szewczek Associates Consulting Engineers	Peter C. Celella

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Please provide gauge of bottom pan of cellular deck.

Answer

See DWG S - 3.0A use 20 Gage.
Peter Celella - Czewczak Associates 1/14/14

.0048	Building Phasing Plan	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/14/2014	Architectural
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

Project # BI-RT-844

141 Prindle Avenue
Ansonia, CT 06401-2500
Main Phone Number 203.732.1800

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
Question					Answer			
Where can I find the phasing plan showing the (5) Phases?					Phasing Plan is in Volume 00 of the Project Manual Section 00 09 26. Mel Strauss, Fusco Corp. 1.14.14			
.0049	Fuel Oil Storage Tank	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/15/2014		MEP
To Company		Attention		Author Company		Author by		
Consulting Engineering Services, Inc		Brian Wetzel		Fusco Corporation, Inc		Mel Strauss		
Question					Answer			
1.) Who provides Fuel Oil Storage Tank?					1.) Fuel Oil Storage tank will be furnished and installed by BP # #22 Plumbing and HVAC. Mel Strauss, Fusco Corp. 1.14.14			
2.) DWG P2.1.5 Detail #1 Please provide size of Fuel Oil Storage Tank.					2.) Refer to attached sketch SKP-003 for information regarding the Fuel Oil Storage Tank. - Jesse VanCamp, Consulting Engineering Services, 1/15/2014.			
.0050	Geothermal Well	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/15/2014	01/22/2014	01/15/2014		MEP
To Company		Attention		Author Company		Author by		
Fusco Corporation, Inc		Mel Strauss		Fusco Corporation, Inc		Mel Strauss		
Question					Answer			
Who scope is Geothermal well and associated piping under?					<p>Bid Package 31.0 Sitework shall furnish all labor equipment and materials to complete Geothermal Well System including but not limited underground piping into E-Building. REF: Partial Plumbing Site Plan Dwg. 1/P2.1.5.</p> <p>5foot outside Building Line Rule will not be applicable to this portion of work.</p>			
.0051	Retainage Release	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/14/2014		MEP
To Company		Attention		Author Company		Author by		
Fusco Corporation, Inc		Mel Strauss		Fusco Corporation, Inc		Mel Strauss		
Question					Answer			
Will retainage at the completion of each phase?					Retainage will be released in accordance with Project Manual Volume 00 Section 00 09 10 Standard Form of Agreement Between Owner and Construction Manager-At-Risk, Article 7.1.8, page 23 of 33. Mel Strauss, Fusco Corp. 1.14.14			

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Project # BI-RT-844

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0052	Construction Phasing	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/15/2014		Structural
To Company		Attention		Author Company		Author by		
Fusco Corporation, Inc		Mel Strauss		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
Building Phasing Document (00 09 26) shows phase 1A and PHase 5 (col lines 29-31) being constructed at separate times. Is it possible to erect the structural steel for both phases at the same time as this is all new structural framing?				Refer to Section 00 09 30 Project Schedule Activity ID A1060. It is the intent for these areas to be completed together. Phase 5 is an enabling phase to create temporary class room space. Mel Strauss, Fusco Corp. 1.14.14.				
.0053	Metal Panel	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/15/2014		Architectural
To Company		Attention		Author Company		Author by		
Drumme y Rosane Anderson, Inc.		Vladimir Lyubetsky		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
1.) Has it been decided if the Metal Panesl will be bid as a stand-alone or within another trade package.				1.) Metal Panels will be bid as a stand alone package. Bid Package # 7.1 Metal Wall Panels. Mel Strauss, Fusco Corp. 1.14.14.				
2.) On DWG A2.1.4 ther is an elevation between columns S&T indicated as 26g-East Elevation @ Carpentry. We can't find where this elevation occurs. Please advise.				2.) DELETE exterior elevation 26g which is entitled "East Elevation @ Carpentry." - DRA Architects, 1/15/2014				
.0054	Structural Steel DWG S-1.0E	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Structural
To Company		Attention		Author Company		Author by		
Szewczek Associates Consulting Engineers		Peter C. Celella		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
In Between Col Line e3A and e5 near eL ther is a comment that says "See Note 29". There is no note 29 on dwg (S-10A). Please provide. (Note is not on DWG S-1.0.A stops at 28- MLS)				At Drawing S-1.0A Add following note: 29. CUT AND PATCH EXISTING SLAB WITH NEW SLAB AS REQUIRED TO INSTALL EJECTOR PUMP AND ASSOCIATED PIPING. COORDINATE WITH PLUMBING DRAWINGS. Peter Celella Szewczak Associates				

Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

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Main Phone Number 203.732.1800

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Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0055	Structural Steel	Fusco Corporation, Inc	Drummeey Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/23/2014		Structural

To Company	Attention
Szewczek Associates Consulting Engineers	Peter C. Celella

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

- 1.) Please confirm if there is any Architecturally exposed structural steel (AESS) and if there is please confirm type of primer.
- 2.) Pelse provide a detail/sketch of the C15x33.9 channels bolted to the walls near col lines P-30 to M-30.

Answer

1. Add the following note to DWG S - 3.0A:
"19. EXPOSED STEEL IN THE CAFETERIA RM. #G106, AND THE EXTERIOR FREESTANDING CANOPY SHOWN IN SECTION S1/S4.3 ARE TO MEET THE REQUIREMENTS OF ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS)"
 2. Use clip angle and 2-1/2" diameter expansion bolts.
- Peter Celella - Szewczak Associates 1/17/14

.0056	Structural Steel	Fusco Corporation, Inc	Drummeey Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/15/2014		Structural
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

- 1.) Please clarify what phase the canopy is in.
- 2.) Please confirm that the Access Hatches and frames for the tunnel access are by others and are not part of the structural steel package et.el....

Answer

- 1.) Structrual Steel for Canopy Construction will be completed in Phase 2.
 - 2.) Access Hatches are furnished and installed by BP 6.0 General Trades.
- Mel Strauss, Fusco Corp. 1.14.14.

.0057	CHRO Requirements	Fusco Corporation, Inc	Drummeey Rosane Anderson, Inc.	01/14/2014	01/21/2014	01/15/2014		Structural
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Please confirm that the material costs for this project can be excluded from the required MBE Percentages, As tehre are no MBE suppliers available for structrual steel and metal deck.

Answer

No. The S/MWBE requirements administered by CHRO cannot be waived or modified during the bidding process. It is expected that all successful bidders upon award will put forth and document a 'Best Good Faith Effort' in meeting all such requirements.

Mel Strauss, Fusco Corp. 1.14.14

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
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Please clarify if new roof opening frames are required in Area 'E'. Area 'F' shows new frames for the roof drains but Area 'E' does not . Please confirm if they are required.

At drawing S-3.0C - ROOF FRAMING PLAN PART "C"
Provide roof opening framing for 3 (three) additional roof drains. Refer to Note 6 on drawing S-3.0A for detailing and drawings P1.1.2C and A1.2.1C for location of drains.

At drawing S-3.0D - ROOF FRAMING PLAN PART "D"
Provide roof opening framing for 4 (four) additional roof drains. Refer to Note 6 on drawing S-3.0A for detailing and drawing A1.2.1D for location of drains.

At drawing S-3.0E - ROOF FRAMING PLAN PART "E"
Provide roof opening framing for 9 (nine) additional roof drains. Refer to Note 6 on drawing S-3.0A for detailing and drawings P1.1.1E and A1.2.1E for location of drains.

.0066	Masonry Rebar	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/15/2014	01/22/2014	01/15/2014		Structural
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Bid Package 5.0 Structural Steel and Metal Decking
Scope Item #16 Please confirm that the structural steel contractor is not responsible to weld reinforcing steel for the masonry contractor , unless it is shown attaching to the structural steel and shown on the structural dwgs.

Answer

Bid Package 5.0 Structural Steel ... **IS** responsible to weld all reinforcing steel to structural steel members as required for Mason Contractor to complete Masonry Work regardless where it is detailed on the Bid Documents.
Reinforcing steel will be furnished by BP # 4.0 Masonry..
Mel Strauss, Fusco Corp. 1.15.15

.0067	Radon Piping Drawing	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/15/2014	01/22/2014	01/23/2014		MEP
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To Company	Attention
Drumme y Rosane Anderson, Inc.	Vladimir Lyubetsky

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Is there a Radon Mitigation Piping Drawing that goes along with Spec Section 028218?

Answer

See attached Response to RFI 0067 Memo dated: 1/21/2014 - Fuss & O'Neill EnviroScience

.0068	Radon Pits	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/15/2014	01/22/2014	01/15/2014		Sitework
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Who is responsible for Radon Pits?

Answer

Bid Package 31.0 SITEWORK..... willl furnish all labor, equipement and materials to completet radon pits.
Mel Strauss, Fusco Corp. 1.15.14

.0069	Electrical	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/15/2014	01/22/2014	01/23/2014		MEP
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Answer

Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

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Project # BI-RT-844

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category	
.0070	Site Lighting	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/15/2014	01/22/2014	01/15/2014		MEP	
To Company		Attention		Author Company		Author by			
Fusco Corporation, Inc		Mel Strauss		Fusco Corporation, Inc		Mel Strauss			
Question					Answer				

1.) Drawing EP111A shows in dashed line that there is cutting and patching on walls involved as well as floor channeling for floor boxes. Who is responsible to cut and patch these areas?

2.) Also it looks like all devices will be surface mounted as all walls are block although drawing note states that devices are to be concealed where possible, who will be responsible to paint this surface mounted raceway?

3.) Who is responsible for cutting and patching floor in main electric room as shown on drawings?

1.) All cutting and patching for new work in the existing building is identified in respective Bid Packages: BP 2.0 Demolition..., BP 3.0 Cast in Place Concrete. , BP 4.0 Masonry..., & BP 31.0 Sitework and bid documents as it pertains to their respective trades. Layout to be provided by BP 26.0 Electrical. Mel Strauss, Fusco Corp. 1.15.14

2.) All painting to be completed by BP 9.6 Painting... except where raceways are specified to be furnished as prefinished for this application. Mel Strauss, Fusco Corp. 1.15.14

The following guidelines shall be used for wall mount device installation:

1. *New masonry walls: Recess devices with flush cover plates.*
2. *New stud walls: Recess devices with flush cover plates.*
3. *Furred out existing walls: Recess devices with flush cover plates.*
4. *Existing stud walls; Recess devices with flush cover plates.*
5. *Existing masonry walls:*
 - a. *Surface raceway from above accessible ceiling vertically down wall to surface mount device. Same system adjacent devices can be fed horizontally from a single vertical drop.*
 - b. *Use existing recess back boxes and conduit where in good condition; sized correctly; are in the approximate location for the device; and are not obstructed by new work, equipment or furniture.*
 - c. *Where surface drops cannot be run vertically down to device, route raceway tight to corner of partition walls or tight to a column and extend horizontally to device (s).*

Refer to architectural drawings for wall types and masonry infill locations.

Rick McCracken - CES Inc.

3.) Cutting and patching for this work is identified in respective Bid Packages: BP 2.0 Demolition..., BP 3.0 Cast in Place Concrete. , & BP 31.0 Sitework and the bid documents as it pertains to their respective trades. Layout to be provided by BP 26.0 Electrical. Mel Strauss, Fusco Corp. 1.15.14

Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

Project # BI-RT-844

**141 Prindle Avenue
Ansonia, CT 06401-2500
Main Phone Number 203.732.1800**

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
	<p>1.) Please delineate the scope of work pertaining to the site lighting to be completed by electrical contractor.</p> <p>2.) Also delineate the scope of work to be completed by electrical contractor on site drawing SU1.1.1 as some of these fixtures shown are under the canopy and its not clear who furnishes these.</p> <p>3.) What are the requirements for the permit fee. Do we carry education fee?</p>							
								<p>1.) Site Lighting Scope is outlined in BP 26.1 Site Lighting. Mel Strauss, Fusco Corp. 1.15.14</p> <p>2.) Any light fixtures attached to Building Structure including Canopy are to be completed by BP 26.0 Electrical. Mel Strauss, Fusco Corp. 1.15.14</p> <p>3.) State of CT Education FEE is applicable to this project. Bidders are to carry cost of this FEE in their Bids as applicable. The state building inspector must levy a code training and education fee on state building permit applications, and local building officials must levy a fee on local applications (CGS §§ 29-252a & 29-263). Refer to Project Manual Vol 00 Section 000945 Supplemental Scope of Work, Article 4. Mel Strauss, Fusco Corp. 1.15.14</p>

.0071	Flow /Tamper Switches & Fire Alarm Vendor	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/15/2014	01/22/2014	01/17/2014		MEP
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To Company	Attention
Consulting Engineering Services, Inc	Brian Wetzel

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

- 1.) There does not seem to be any flow or tamper switches shown on drawings even though it's a sprinklered building. I need to know where these are for fire alarm purposes. Where would I find these as the FP, plumbing or HVAC drawings do not depict them?
- 2.) Also, who is the existing fire alarm vendor for this building. I know the riser states Notifier, but we will need to bring in the existing vendor during the demo phases.

Answer

- 1.) Flow /Tamper switches are indicated on DWG FP.2.2.1 Details 1 & 2. - Mel Strauss, Fusco Corp. 1.15.14 (confirmed Jesse VanCamp, CES 1/17/14)
- 2.) Contact info for existing Fire Alarm Vendor will be furnished to successful Bidder upon award of this work. Mel Strauss, Fusco Corp. 1.15.14

.0072	Site Retaining Wall	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/15/2014	01/22/2014	01/23/2014		Civil / Sitework
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Do the retaining walls belong to the Site Contractor?

Answer

GENERAL PRACTICE:
Retaining Walls depicted and detailed on the Site/Civil Dwgs to be completed by BP #31 Sitework. Retaining Walls depicted and detailed on Structural Dwgs if shown to be completed by BP 3.0 Cast in Place Concrete. BP #31 Will perform all earthwork required for retaining walls completed by BP3.0.

EXCEPTION:
Site retaining wall on column line with Canopy Piers (DWG S-4.3) will be completed by BP 3.0 Cast in Place Concrete.

Mel Strauss, Fusco Corp. 1.15.14

.0073	Sitework	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/15/2014	01/22/2014	01/23/2014		Sitework
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Answer

Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
	<p>1.) DWG L1.1 shows a modular concrete block wall (6/L5.1) north of the Plumbing Shop. Is it correct that you want this type of wall at this location. Will require grading information for this wall.....</p> <p>2.) Dwg L3.3 shows E/L5.1 (Heavy Duty Concrete) lower right side of Automotive Area Enlargement. This isn't showing the complete area which is described on Dwg L1.1. Can you provide a detail for this area?</p> <p>3.) Dwg L1.1 indicates Heavy Duty Concrete at Dust Collector Area. Need info for expansion joints, dowels...</p>							
								<p>1.) Bidders are instructed to submit pricing on this work per the bid documents. Final Grading information can be furnished after bid award. There is sufficient grading information for bidding purposed. Mel Strauss, Fusco Corp. 1.15.14.</p> <p>The existing wood wall shall be replaced by a low modular concrete retaining wall. Elevation of wall is to match bottom landing of existing ramp. Height of wall at high point is approximately 3 feet +/- . See drawing L3.4 additional information and detail 6 L5.1 for information on modular wall Gary Hath - CR3</p> <p>2.) General pattern is indicated on detail and should be continued for the extent of Heavy Duty Concrete. Mel Strauss, Fusco Corp. 1.15.14.</p> <p>3.) Information is provided on DWG L3.3 , Detail 1. and Detail E/L5.1. Mel Strauss, Fusco Corp. 1.15.14.</p>

.0074	Kitchen Equipment Dimensions	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/16/2014	01/23/2014	01/23/2014		Food Service
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To Company	Attention
Drummey Rosane Anderson, Inc.	Vladimir Lyubetsky

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

ATLAS ITEMS ON JOB

1.) Depth of carts states 30" deep. Standard is 30 1/2" there is a 45% upcharge to make it 30".

2.) Item 97A - dimensions are all over the place (sic) - clarification needed

3.) Item 98 Lists a CARM4 which is a 4 cold-well unit, and in teh specs it lists RM-3 which is a 3-well unit.

4.) Item 101 lists the dimensions for OLD CACS the current dimensions are 24"L - please verify length... as the unit would have to be modified.

Answer

1) Response:
Revise Section 114000, Food Service Equipment per the following:
Article 2.4, Change depth of Items 97, 97A, 98, 99, 100, 101 to be 30-1/2"D.

2) Response:
Revise Section 114000, Food Service Equipment per the following:
Article 2.4, clarification of Item 97A. Unit is custom and shall have an integral enclosure to hang hand sink off of. This enclosure shall be 45"H, and glass shall go up to 52"H on three sides of the sink space. See FS-1 for plan of unit and where Hand Sink is located. This unit shall be fixed because of the plumbing required for the Hand Sink.

3) Response:
Revise Section 114000, Food Service Equipment per the following:
Article 2.4, Item 98 shall have RM-4 Cold Pan, not RM-3 as indicated within specification.

4) Response:
Revise Section 114000, Food Service Equipment per the following:
Article 2.4, Item 101, page 39, Change dimensions to 24"L x 30-1/2"D x 34"H with 44"L tray slides. Tray slides shall be mounted 30"H.

.0075	Millwork/Casework	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/16/2014	01/23/2014	01/23/2014		Architectural
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To Company	Attention
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Author Company	Author by
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Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

141 Prindle Avenue
Ansonia, CT 06401-2500
Main Phone Number 203.732.1800

Project # BI-RT-844

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
	Drummey Rosane Anderson, Inc.	Vladimir Lyubetsky				Fusco Corporation, Inc	Mel Strauss	
	<u>Question</u>					<u>Answer</u>		

Request For Information

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
NEIS #5)	Dwg A1.1.2 B&C calls for goggle cabinets in the science classrooms per the EQ dwgs. The EQ dwgs do not show these adn they are not listed in spec section 116000. Please clarify.							Response to bidder question NEIS #5 Please refer to Addendum #2 for goggle cabinet description. - DRA Architects - 1/21/2014
NEIS #6)	Casework elevaton SC-14 is reference for Rm B201A per dwgs EQ6&7. However it is also referencing Rm F101D per dwg EQ3. Please clarify.							Response to bidder question NEIS #6 Revise drawing EQ.3, Equipment Plan "F" Building per the following: At Room F101d, Teacher's Lounge, Change casework tag from SC/14 to SC/15. - Tavares Design Associates - 1/21/2014
NEIS #7)	Please clarify the location (Room) for casework elevation HC01 on dwg EQ7.							Response to bidder question NEIS #7 Refer to drawing EQ.3, Room F111e, Storage.
NEIS #8)	Notes in Library D101 call for 10-3shelf bookcases and 13-6shelf bookcases where none area shown. Please clarify.							Response to bidder question NEIS #7 Refer to drawing EQ.3, Room F111e, Storage.
NEIS#9)	Spec sectino 125651 has keynotes LF-01, LS-01, LS-02 adn LS-03 that are not showw on the EQ series dwgs even though the Library items area shown on the EQ dwgs. Please clarify the locatons of the keynote items.							Revise drawing EQ.5, Equipment Plan "H" Building per the following: At Room H105b, Dispensary Room, ADD casework tag HC-01. - Tavares Design Associates - 1/21/2014
NEIS#10)	The description of hte control desk in the Library D101 calls for A 'U' shaped station. What makes up the rear station shown on DWG EQ-01?							Response to bidder question NEIS #8 Revise drawing EQ.1, Equipment Plan "D" Building per the following: At Room D101, Library: DELETE the words "10-Three Shelf Bookcases (43.5" H)= 30 Shelves (3'-0 W.) = 210 Reference Volumes" and "13-Six Shelf Bookcases (87" H.) = 78 Shelves (3'-0" W.) = 2340 Volumes." - Tavares Design Associates - 1/21/2014
NEIS #11)	Please clarify what spec section covers the metal bracket noted on details 14A&B on DWG A2.2.2D.							Response to bidder question NEIS #8 Revise drawing EQ.1, Equipment Plan "D" Building per the following: At Room D101, Library: DELETE the words "10-Three Shelf Bookcases (43.5" H)= 30 Shelves (3'-0 W.) = 210 Reference Volumes" and "13-Six Shelf Bookcases (87" H.) = 78 Shelves (3'-0" W.) = 2340 Volumes." - Tavares Design Associates - 1/21/2014
NEIS #12)	Detail HC06 on dwg EQ7 calls for cabinets DF2. no description is provided. Please clarify what is required.							Response to bidder question NEIS #9 Refer to attached sketch SKEQ-004 - Tavares Design Associates - 1/21/2014
NEIS#14)	Student work tables per detail SC02/EQ6 has (1) faucet shown. In spec section 116000 page11, calls for (2) faucets. Please clarify corret quantity.							Response to bidder question NEIS #10 Modify Specification Section 12565, Library Furniture & Shelving, Item LF-01, change the following quantities: Change from two (2) #59-PC-E50-SOO-MOD to four (4) required. Change from one (1) #59-PC-E11-SOO MOD to two (2) required. Change from two (2) #59-E78-SOO to four (4) required. - Tavares Design Associates - 1/21/2014
								Response to bidder question NEIS #11 Fusco to respond.
								Response to bidder question NEIS #12 Modify Specification Section 116000, Fixed Casework and Equipment per the following: Article 2.7, ADD the following description of two drawer file, DF2: DF2 File Cabinet 15" x 28"D x 29"H equal to Adelpia Mfr. Co. with two (2) file drawers with integral pulls and lock; independent progressive arm suspension; file drawer compressors; and standard construction and finish. File shall also be provided with high sides on the drawers. - Tavares Design Associates - 1/21/2014
								Response to bidder question NEIS #14 Item SC-02 shall have two faucets at sink location, one on each side of sink per specifications. - Tavares Design Associates - 1/21/2014

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Emmett OBrien THS - Renovations

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Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0076	Telescoping Bleachers 12 71 00	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/16/2014	01/23/2014	01/23/2014		Architectural

To Company	Attention
Drummey Rosane Anderson, Inc.	Vladimir Lyubetsky

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

1.) Within the spec, subsection 2.3 GB-02 is calling out 14 for the "rows per section" but I believe they want 4 like GB-01 please clarify

2.) Subsection 2.3, GB-01 and GB-02 call out "Wall anchor system for varying row pull-out". This wall anchoring system can work with 14 rows, but not with 4 rows. Please advise.

Answer

1) Response:
Revise Section 127100, Telescoping Bleachers per the following:
Article 2.3, Item GB-02, Gymnasium Bleachers-Folding, REVISE the Rows per Section to read "4 (four)."

2) Response:
Revise Section 127100, Telescoping Bleachers per the following:
Article 2.3, Items GB-01 and GB-02, Gymnasium Bleachers-Folding, DELETE the words "1-Wall anchor system for varying row pull-out."

.0077	Millwork and Casework	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/17/2014	01/24/2014	01/23/2014		Architectural
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To Company	Attention
Drummey Rosane Anderson, Inc.	Vladimir Lyubetsky

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

NEIS #15) Please clarify the fron edge configuration at the plastic laminate counter tops. Detail 9/A9.1.1 shows a self edge. Detail 7/A9.1.1 shows a bull nose edge. Both are called for in the same Casework Elevations. Please clarify.

NEIS #17) Please clarify the configuration of tall cabinet Type I on Dwg A9.1.1. The detail and casework elevations show these as shelving cabinets, however the floor plans at these cabinets are Keynoted ast T.W. as those they are Teacher Wardrobes. Please clarify.

Answer

15. Solid Hardwood bull nose edge is required at all plastic laminate countertops detailed on Drawing A9.1.1

17. Dwd A9.1.1 At Detail 10 CASEWORK TYPES - Tall Cabinet Type "I" Add Note: "PROVIDE COAT ROD IN ADDITION TO SHELIVING INDICATED ON THE DETAIL TO ALLOW FOR MULTIPURPOSE USE OF TALL CABINET TYPE "I" "

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0078	Roofing	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/17/2014	01/24/2014	01/17/2014		Architectural

To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Allied RFI #2) Para 15- Roof installaton of perimeter roof safety cable sytems is all for the new construction, not reroofing secdtos. Roof perimeter saftey cable is erected by steel contractor.

Allied RFI #3) Is the roofing contractor responsible for cutting and removing metal deck and tectum deck for all new penetrations such as RTU, Exhaust fans and any other roof curbs..... Who is responsible for making roof curb opening weather tight at existing roof if installed prior to reroofing?

Allied RFI #4) Bid Package Item 14 Sheet Metal and Fabric Flashings #H what type of metal and Gauge? Is it a custom color to match the windows?

Allied RFI #5) What are the dates for reroofing areas A, B, C, & D They are not listed on the premlinary project summary schedule.

Answer

Allied RFI #2) Roof perimeter cables will be installed by BP # 5.0 Structural Steel...only on new additions. Removal is by BP 7.0 Roofing.... Mel Strauss, Fusco Corp. 1.17.14

Allied RFI #3) Trade contractors are responsbile for roof deck penetrations regardless of roof deck type for installation of its work. BP 7.0 is responsible for Temporary roofing at all equipmnt curb installations as required. Mel Strauss, Fusco Corp. 1.17.14

Allied RFI #4) Biddes are to follow Spec Section 07 62 00. BP 7 will furnish its own sheet metal stock. Mel Strauss, Fusco Corp 1.17.14 Custom Color is required - DRA Architects

Allied RFI #5) Dates have not been established for individual trade work beyond Phase Durations furnished in the Bid Documents. Mel Strauss, Fusco Corp 1.17.14

.0079	Roof Blocking Angles	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/17/2014	01/24/2014	01/17/2014		Structural
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

#30 Pelase confirm which trade is responsible fo rthe new 5"x5" x 3/8" angle at the top of the wall.

#31- Strucutural stee scope of work, clarifications A.3 Referenences Detail R7/S4.2. This is the same detail as referenced in the Misc Metals Scope of Work clarifications. 15, 16, 17. Please clarify which trade is responsible to finish and install the angles botls to the existing construction as they are listed in both the structural steel and misc metals scopes of work.

#30 & 31) BP #5 Structural Steel is responsible for top of wall angle details at new construction (additions). BP #5.1 Metal Fabrications is responsible for top of wall angle details at existing building. Mel Strauss, Fusco Corp. 1.17.14

.0080	Existing Roof Deck	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/17/2014	01/24/2014	01/23/2014		Structural
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To Company	Attention
Szewczek Associates Consulting Engineers	Peter C. Celella

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Please confirm tha thte wood fiber plank to be patched is being patched with metal decking

If would fiber plank is to be patched with metal deck please provide a detail

Answer

Use 1-1/2" deep metal deck weld to existing framing as per new construction.
Peter Celella - Czewczak Associates.

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0081	Deck Support	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/17/2014	01/24/2014	01/23/2014		Structural

To Company
Szewczek Associates Consulting Engineers
Attention
Peter C. Celella

Author Company
Fusco Corporation, Inc
Author by
Mel Strauss

Question

Per note #10 on dwg S-3.0A the roof beams are sloping ot match the sloping roof. It is assumed that the roof beams at the columns are not sloping to match the slope of the roof. At these beams is a deck support required? See attached SK for an example.

Answer

As per Note #10, All Beams, including the ones at the column are to be oriented to match the roof slope.
Peter Celella - 1/20/14 Szewczak Associates

.0082	CW Vents	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/17/2014	01/24/2014	01/23/2014		Architectural
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To Company
Drumme y Rosane Anderson, Inc.
Attention
Vladimir Lyubetsky

Author Company
Fusco Corporation, Inc
Author by
Mel Strauss

Question

The operable glass vents in CW's 4&5 are righ up against a slokd wall and you have no access to open or close the vent. The vents at CW4 are too wide for glass vents @ 67-1/2" wide. They do reference the glass vents in the notes on the elevation sheet. I just don't ting the glass vent accomplishes what they are looking for. Mel Strauss- Question- Are glass vents required at these locations?

Answer

Vertical mullion spacing has been revised at Curtainwall CW-3 and CW-4 per attached sketch SKA-007. Curtainwall bid to include glass vents as shown on attached sketch. - DRA Architects , 1/23/2014

.0083	Electrical Ground Loop	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/17/2014	01/24/2014	01/23/2014		MEP
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To Company
Consulting Engineering Services, Inc
Attention
Brian Wetzal

Author Company
Fusco Corporation, Inc
Author by
Mel Strauss

Question

Is it the intention of the documents to include a ground loop around the entire perimeter of the school? First, will the site contractor include excavation for this and secondly, who will be responsible to access all steel columns at 60' intervals? This will require cutting and patching. Not sure why you would have lightning protection system on a 1 story (for the most part) building.

Answer

There is no ground loop requirement around the perimeter of the school. Electrical service and electrical grounding requirements are specified on the contract documents. - Rick McCracken, CES 1/23/2014

The Lightning Protection system is a performance based specification for a system requested by the Owner. Provide a system designed per the performance specifications. - Rick McCracken, CES 1/23/2014

.0084	Granite Cladding	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/17/2014	01/24/2014	01/23/2014		Sitework
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To Company
Fusco Corporation, Inc
Attention
Mel Strauss

Author Company
Fusco Corporation, Inc
Author by
Mel Strauss

Question

Who is responsible fo rthe granite cladding on the south and east planter walls?

Answer

BP # 4.0 Masonry and Precast Mel Strauss, Fusco Corp. 1.17.14

.0085	Laminated Glass	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/17/2014	01/24/2014	01/23/2014		Architectural
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To Company
Attention

Author Company
Author by

Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

141 Prindle Avenue
 Ansonia, CT 06401-2500
 Main Phone Number 203.732.1800

Project # BI-RT-844

Tel: 203.732.1800

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
		Drumme Rosane Anderson, Inc.	Vladimir Lyubetsky		Fusco Corporation, Inc	Mel Strauss		
Question				Answer				
<p>084413 2.2B Specifies the interior lite of glass as 1/4" laminated which would be a make up of 1/8-030-1/8 per Viracon the maximum size for 1/8 heat strenghtned glass is 48 x84. 143 lites exceed this unit. Please advise how to proceed.</p>				<p>All of project glass types for both Specification Sections 084113 and 084413 call out for a minimum glass depth "or deeper as determined by the manufacture." At locations where either safety code or glass dimension size limitations require thicker glass and/or laminate the manufacture is to adjust thickness. All exterior wall faces shall be aligned in a single plane and the glass thickness shall be taken into account and adjusted as necessary to achieve this requirement.</p> <p>It was anticipated that, for the larger units mentioned in this RFI, the interior light of the insulated unit shall be 7/16" glass, 0.060 inch pvb-laminated and heat strengthened.</p>				

.0086	Roofing Details	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural
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To Company	Attention
Drumme Rosane Anderson, Inc.	Vladimir Lyubetsky

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question	Answer
<p>Drawing No. A5.2.1 thru A5.2.3 Roof details</p> <p>1.-Details call out 5/8" recovery board vs Specification requires 1/2" dens deck prime for both substrate and cover board. Which is correct?</p> <p>2.- Details 6, 12 & 11/A5.2.3, base wall condition shows 1/2" plywood, insulation, 1/2" plywood over metal frame studs. What part if any of this composition is by roofer? This is typical at all vertical details.</p> <p>3- On the roof plan what does the dark shaded areas indicate?</p> <p>4- On the new addition at Roof Area 'A' what is the thickness or R-value of the flat insulation required over the sloping steel?</p> <p>5- Please provide roof test cut info indicating roof type, insulation type and thickness. This information is critical in providing calculations for dumpsters/tipping fees.</p>	<p>Response to question 1: Page 07 53 23 – 7, Article 2.3, Paragraph A, REVSE the words "1/2 inch" to read "5/8 inch" in the 2nd line. Page 07 53 23 – 7, Article 2.3, Paragraph A, Subparagraph 1, REVSE the words "1/2 inch" to read "5/8 inch". - DRA Architects 1/23/2014</p> <p>Response to question 2: BP 6.0 General Trades will complete this work as part of the roof blocking system. BP7.0 Roofing will furnish and install rigid insulation. Mel Strauss, Fusco Corp. 1.23..14</p> <p>Response to question 3: Dark shaded areas of the building are not part of the detail for the that drawing. Refer to Key Plan relevant areas. Mel Strauss, Fusco Corp., 1.22.14.</p> <p>Response to question 4: Bottom layer insulation: 2.00 inch minimum thickness with LTTR R-value no less than 11.4 Top layer insulation: 1.50 inch minimum thickness with LTTR R-value no less than 8.6 - DRA Architects 1/23/2014</p> <p>Response to question 5: Refer to attached images showing roof cut exploration at existing roof. - DRA Architects 1/23/2014</p>

Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

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Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0087	Ornamental Fence	Fusco Corporation, Inc	Drummeey Rosane Anderson, Inc.	01/21/2014	01/28/2014	01/23/2014		Civil / Sitework

To Company	Attention
URS Corporation	Fraser Walsh

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Is there a model No. or style associated with the Ornamental Fence manufacturer Ametco Manufacturing Corp. for the basis of design?

Answer

Specification 32 31 19 covers this item. There is no model # as the fence/gate requires some custom construction.
Gary Hath
CR3

.0088	AAON Equipment	Fusco Corporation, Inc	Drummeey Rosane Anderson, Inc.	01/21/2014	01/28/2014	01/23/2014		MEP
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To Company	Attention
Consulting Engineering Services, Inc	Brian Wetzel

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

RE:

EMMETT O'BRIEN TECHNICAL HIGH SCHOOL

23 63 13 - Air cooled condensers

23 73 00 - Indoor central-station air units

23 81 06 - Rooftop Air conditioning medium capacity

23 81 20 - Heating and ventilating units

In reference to the above listed specification sections, is an AAON an acceptable manufacturer offering equivalent products?

Answer

We take no exception to listing AAON as acceptable manufacturers. Specifications shall be revised as follows:

At Specification Sections 236313, 237300, 238106 and 238120; at paragraph 2.01, Add AAON to the list of manufacturers.

Brian D. Wetzel - CES Inc.

.0089	Student Stations (SC-02)	Fusco Corporation, Inc	Drummeey Rosane Anderson, Inc.	01/23/2014	01/28/2014	01/23/2014		Architectural
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To Company	Attention
Drummeey Rosane Anderson, Inc.	Vladimir Lyubetsky

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

We are requesting to be allowed to provide the Student Stations (SC-02) and the Teacher Stations (SC-01) in spec section 116000 as comparable units to the specified Sheldon units with the same functionality and similar configuration. The Sheldon units are proprietary to Sheldon representatives and not available to other bidders for resale.

Answer

It is not in the best interest of the owner to consider a "Substitution" at this stage of this late in the bid process.
Mel Strauss, Fusco Corp., 1.23.14.

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0090	Excavation and Backfill at Existing Slab Excavations	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/21/2014	01/28/2014	01/23/2014		Sitework

To Company	Attention
Drumme y Rosane Anderson, Inc.	Vladimir Lyubetsky

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Clarification needed as to if it is acceptable to use excavated material at existing slab on grade excavations in the existing building for backfill. Exporting this material and importing structural fill will add considerable cost to the project. (Redrafted from original RFI submitted- see attachment for original submission).

Answer

Only provide new material where the existing material has been disturbed.
Peter Celella - Szwczak Associates - 1/22/14

.0091	Out Buidig Demolition	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/21/2014	01/28/2014	01/23/2014		Sitework
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Both BP 2.0 and 31.0 have demolition of existing Garage/Storage Building. Please clarify whose scope it is to perform this work (content modified from original RFI see attachement for original submission).

Answer

BP #2.0 Demolition & Hazardous.... is repsonsible for demolition of existing garage/storage building. This contractor will also be repsonsible for obtaining from the "Town of Ansonia" a building demolition permit.
Mel Strauss, Fusco Corp. 1.21.14.

.0092	Electrical Clafificaitons	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/21/2014	01/28/2014	01/23/2014		MEP
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To Company	Attention
Consulting Engineering Services, Inc	Brian Wetzel

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

- RFI #1 Fixure B 1 shows as a 2x2 and as a 2x4 located by RM D111A, which is correct?
- RFI#2 Clocks are shown in the Girls Locker Room, none are shown in the Boys Locker Room. Will there be clocks in teh Boys Locker Room?
- RFI #3 Along Col Line XA the doors to the outside do not have door contacts. Do these doors require door contacts?
- RFI #4 A heat detector is shown in RM B205. Is a heat detector required in Rm B202?
- RFI #5 In Stair S5-E1 it shows a Area of Refuge Station. The main panel is at Security no others are shown. Is Stair S5-E1 the only location of the AOR?
- RFI #6- a) Will the Tele/data cabling be included in BP#26.
- b) Will the security wire, equipment, programing be included in BP#26?
- c) Are ther T/A, IDF Rm or Securty Dwgs?
- d) Spec Section 270536 Cable Tray specifies the tray, Nothing is shown on the drawings as to locations, type required or qty. Please clarify.

Answer

- RFI #1 – Rm D111A shows a type G fixture. The fixture shown in the corridor outside this room labeled as Type B1 should be changed to a Type A3 fixture.
- RFI #2 – Provide a system clock and simplex clock receptacle in the Boys Locker Room on the interior side of the privacy partition at the locker room entrance from the Gym.
- RFI#3 – Yes, provide infrastructure for door contacts at all exterior doors.
- RFI#4 – Yes, provide a heat detector in Prep Room B201a.
- RFI #5 – Yes.
- RFI #6 – a) Security wiring, equipment and programming under separate contract by Owner.
- b) see below.
- c) See below.

Rick McCracken
CES Inc.

- RFI #6 a) NO, Mel Strauss, Fusco Corp, 1.21.14
- b) NO Mel Strauss, Fusco Corp, 1.21.14

.0093	Waste & Storm Inv conflicts	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/21/2014	01/28/2014	01/23/2014		Sitework
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To Company	Attention
Consulting Engineering Services, Inc	Brian Wetzel

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
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Question

a.) DWG PD1.1.1A existing 6" waste and 6" storm exit the bldg at Col Line XE&XC at inv. elev. 408.4 and 408.
DWG P1.1.1A show the same 6" lines at Inv. elev 405.9 and 405.5. Are these lines to be lowered? Which inv. elevations are correct?
b.) DWG PD1.1.1A a 5" waste and 8" storm that exits the bldg at col lines C4-C5 at Inv.elev 409.60.
DWG P1.1.1A shows Inv. Elev. 407.10 . Which is correct.
(RFI language modified from its original format- see attachments for original RFI document)

Answer

The inverts on drawing P1.1.1A are correct, please use these elevations.
- Jesse VanCamp, CES 1/23/2014

.0094	Electrical Clarifications	Fusco Corporation, Inc	Drummeey Rosane Anderson, Inc.	01/21/2014	01/28/2014	01/23/2014		MEP
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To Company	Attention
Consulting Engineering Services, Inc	Brian Wetzel

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

RFI #2 a.) Please provide location of the 500kva transformer designated as T-1, fed from MSB-2 and feeds MDB-2. This transformer also does not show on the transformer schedule drawing E2.1.1.
b.) Is proposed Building E part of this Bid Package (BP # 26.0).
RFI #3 Rm F103 Electrical Shop shows 6 100A MLO panels and 1 100A MCB panel that do not show on the panel schedule. Please provide schedule for these panels.
RFI #4 Feeder from EMDP-1 to EP-EQ calls for 3-#4, 1-#8 ground protected by 100A-3P CB. Is this correct?
RFI #5 a.) Dwg EL1.1.1B 1st floor Area B Rm B109 Fixture Type B1 is shown as a 2x2, but on Dwg E2.1.4 Electrical Schedule.... B 1 is shown as a 2x4 Please clarify.
b.) Dwg EL1.1.1D 1st floor Area D Rm D101D Fixture Type A is shown as a 2x4. On Fixture Schedule E2.1.4 Type A is shown as a 2x2 Please clarify.

Answer

RFI#2 – a) Locate in Room D108, adjacent to Switchboard MSB-2. See Section 26 20 00 for specifications.
b) See below.

RFI #3 – The panelboards in question are student panels. There is no branch circuiting required by contract. Provide as indicated.

RFI#4 – No, change feeder to: '4#3/0, #2G, 2"C'.

RFI#5 – a) In Room B109 change fixture designation to 'Type C1'.
b) In Room D101d change fixture designation to 'Type B'.

Rick McCracken
CES Inc.

RFI #2 b.) Building E or E Building is part of this project and is included in BP #26.0.
Mel Strauss, Fusco Corp 1.21.14.

.0095	Aluminum Storefront	Fusco Corporation, Inc	Drummeey Rosane Anderson, Inc.	01/21/2014	01/28/2014	01/23/2014		
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To Company	Attention
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Author Company	Author by
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Question

Answer

Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

Project # BI-RT-844

141 Prindle Avenue
 Ansonia, CT 06401-2500
 Main Phone Number 203.732.1800

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0096	Demolition/HAZMAT Clarifications	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/23/2014	01/28/2014	01/23/2014		Architectural
To Company		Attention		Author Company		Author by		
Fusco Corporation, Inc		Mel Strauss		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				

RFI #1 a.) Per addendum #2 spec 084113 and 084413 page 4&5 finish changed from 3 coast system PPM Duuranar XL to interior clear and exterior black - Are these anodized finishes?
 b.) Doe this finish apply to window, vents 1" and 14" alum. panels and brake shapes?-basically the entire project. - please advise.
 c.)Addend #2 glazed alum curtain wall item #8 calls for small large missle impact and cycle tested. I believe this is an oversight and not edited. Please advise.
 RFI#2 a.) Per Add #2 RFI #.0038 Art work glazing- Item B states BP#8.0 is to supply complete insulated units while Dwg A6.4.1 details 1/4" glass (Details 1/A6.4.4., 9/A6.4.3, 3/A6.4.4)..... Please clarify.
 d.) Please clarify what glazing material is to be used. details indicate 1/4" clear , 1/4" spandrel and note to the left of Elev CW5 states " provide blue-green glass to match exterior at interior curtain wall CW1,2,3,4 5
 e.) Details do not show where the Art Glass is positioned and how it is to be applied. Please advise.

RFI #1 a.), b.) The finish of the storefront or curtain wall was NOT changed in addendum #2. Silicone color information was added to the specification in addendum #2. Refer to Specifications Paragraph 2.5 FINISH for information.
 c.) This project must meet FM Global requirements. - DRA Architects 1/23/2014
 RFI #2 a.) Disregard reference made to insulated glass unit in RFI .0038. Bidders to provide what is detailed on bid documents. Mel Strauss, Fusco Corp. 1.21.14.
 d.) At CW-4 & CW-5, Bid Glass at artist location as blue-green laminated glass with the following composition: 1/4" Blue-Green glass, .060 inch pvb, 1/8" clear glass. Spandrel at this location to be Blue-Green glass as well. Not that glass at these locations are considered hazardous locations and are required to be safety glazing. - DRA Architects 1/23/2014
 e.) Coordination with the Artist shall be required during construction. All curtain wall related art glass indicated on the drawings shall be provided by Section 08 44 13.

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Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
1.	When does Fusco plan to award the contract for the modular classrooms, and how much time from the notice to proceed will the modular building provider be given to install the buildings?							
2.	The modular classroom provider apparently will be required to enter into a subcontract with Fusco and this subcontract covers site services. How will the leasing portion be handled? Will Fusco be leasing the building, or will the School enter into a separate contract for the lease term?							
3.	With regard to performance and payment bonds required of the modular classroom provider, how long are these bonds to be in effect and will the bonds cover only the contractor's site services or should the rental rate be included in the bond amount?							
4.	Is Fusco aware of any environmental or subsurface conditions at the proposed site? If the modular classroom provider identifies hazardous or potentially hazardous substances, would the modular classroom provider be entitled to immediately stop work until such time as Fusco can properly remediate and/or dispose of such conditions?							
5.	As the Customer will have full and complete control of the modular facility during the lease term, will the Customer agree to be responsible for any loss arising or resulting from property damage (leased equipment and third party), bodily injury and/or death during the lease term, except where caused by the negligence of the modular building provider or defect in the building not caused by the Customer's misuse, abuse or neglect?							
6.	Will the Customer agree to be responsible for routine maintenance, to include the replacement of light bulbs and HVAC filters, janitorial services, snow removal and other minor incidental repairs during the lease term?							
7.	Does Fusco agree that if the modular classroom provider is delayed by Fusco, the Owner, or Fusco's other subcontractors or to other causes beyond its control that it will not be liable for damages caused by such delay?							
8.	The site drawing show the feeder conduit to the new modular as 4#400 KCMIL, #1							
9.	This size service is only 300 amp feed (If at 480 volts it would be 600 amps) either way it is way under the amperage required for HVAC's. If 480 Volts we will need to know if we have to supply a transformer?							
10.	Who has the MDP and subpanel feeders within the Portables Classroom Building?							
11.	Who has manifold of sanitary under Portable Classroom Building?							
12.	Who mays final connection under Portable Classroom for the Electrical, Sanitary, Water and Sprinkler?							
.0098	Interior CMU	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural

1.) Contract Award is stated in Front End Documents as within 90days after receipt of Bid. Installation start is Jan 2015 to be turned over the Owner June 2015 Per Milestone schedule Project Manual , Volume 00, Front End Documents, Document 000930.
 2.) Subcontract Agreement (Document 000900) will be issued and held by Fusco Corporation as the owner's Construction Manager at Risk (CMR). Refer to Project Manual, Volume 00, Front End Documents
 3.) Bonds need to cover entire contract amount as will be stated in Subcontract Agreement (see #2 above).
 4.) Information concerning environmental and subsurface conditions has been made available. This information is not intended to relieve bidders of any obligation to fully satisfy themselves as to existing conditions prior to submitting a bid. If the modular classroom provider identifies potentially hazardous materials, it is to proceed in accordance with the Subcontract Documents.
 5.) Fusco will not agree to accept such responsibility in response to a request for information. Please refer to the Subcontract Documents (see #2 above).
 6.) Routine maintened will be completed by the owner. Repairs/replacement of defective equipment shall be corrected by BP 13.0 Temporary Modular Classrooms.
 7.) Fusco will not agree that a subcontractor will not be liable for delay in response to a request for information. Please refer to the Subcontract Documents.
 8./9.) Do not include transformer in your bid.
 10.) These need to be included in BP13.0 Temporary Modular Classrooms
 11.) This is to be furnished and installed by BP13.0 Temporary Modular Classrooms.
 12.) This is to be completed by BP 13.0 Temporary Modular Classrooms.
 Mel Strauss, Fusco Corp. 1.23.14

To Company	Attention
Drumme Rosane Anderson, Inc.	Vladimir Lyubetsky

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question
 Do we need to figure installing new Glazed CMU at patching/infill locations shown where existing glazed CMU is shown and is scheduled to be painted?

Answer
 Install new Glazed CMU at infills locations where adjacent construction is existing Glazed CMU.
 DRA Architects

Request For Information

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141 Prindle Avenue
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Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.0099	Accordian Door Steel Support	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Structural
To Company		Attention		Author Company		Author by		
Szewczek Associates Consulting Engineers		Peter C. Celella		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				
Provide detail/Sketch of the structural steel framing required for Accordian Sliding partition support. Also provided location of partition				See SKS-002 Dated: 1/22/2014 (attached) Peter Celella - Szewczak Associates.				
.00100	Flooring Clarifications	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural
To Company		Attention		Author Company		Author by		
Drummey Rosane Anderson, Inc.		Vladimir Lyubetsky		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				

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Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
	<p>1. BP#9.3 Athletic and Resilient Floors The drawings show 3 surface applied entry mats. They are not listed on finish schedule and does not appear to be a specification for them. They are shown at the following locations. Sheet A1.1.1A Corridor A101D Sheet A1.1.1A Corridor A101E Sheet A1.1.1D Corridor D104 Please provide more information on these mats?</p> <p>2. BP#9.3 Athletic and Resilient Floors BP#9.3 page 6 Clarifications item 13 provide carpet and rubber base at Library and Teachers lounge Dwg A1.1.1DT This drawing is missing please provide?</p> <p>3. BP#9.3 Athletic and Resilient FloorsBP#9.3 page 6 Clarifications item 14 provide carpet and rubber base at Classrooms and Corridor Dwg A1.1.1HT Is there a specification for the carpet to be used in this space?</p> <p>4. BP#9.3 Athletic and Resilient Floors Drawing A1.1.1HT shows a detached modular Classroom Building. Are there any floor finishes required? If so provide Finish Schedule and Specification.</p> <p>5. BP#9.3 Athletic and Resilient Floors Drawing A1.1.1FT Proposed Temporary Admin Area.Is there a specification for the carpet to be used in this space?</p> <p>6. BP#9.0 Ceramic, Porcelain and Quarry Tile Which bid package is responsible to furnish and install the custom Aluminum Reveal types A&B as shown on details 4&5 drawing A3.3.4?</p> <p>7. BP#9.3 Athletic and Resilient Floors The Finish Plans show seaming layout lines for the sheet vinyl. These lines are spaced 6ft6in apart. The specified sheet vinyl is only 6ft wide. Should seaming be laid out in same direction as shown with different spacing?</p> <p>8. BP#9.0 Ceramic, Porcelain and Quarry Tile Clarify ceramic floor tile (CMT) installation method. Spec section 093013 Ceramic Tile calls for floors to be installed using method F122 (thinset/waterproofing). In the notes column of the finish schedule the CMT rooms say "provide mudset for CMT". Please clarify?</p> <p>9. BP#9.3 Athletic and Resilient Floors In spec section 096430 Repair & Refinish Existing Wood Flooring Page 1 1.02 Summary A 1&2 States to remove, salvage, reinstall and refinish existing wood at gym, stage, and shops. Please clarify scope of work to be included in BP#9.3? The finish schedule and drawing only show refinishing of exiting wood floor at the Platform A116 which is being protected during demo so only refinishing, no patching is required? Correct? The shop areas stated above calls for Wood Block Flooring section 096416 which is part of BP#9.2 Wood Flooring. Correct? Just to confirm the only other wood floor under BP#9.3 is the Gym A115 which is to receive all new wood floor per section 096466 Wood Athletic Flooring? Correct?</p> <p>10. BP#9.0 Ceramic, Porcelain and Quarry Tile In BP#9.0 page 2 Specific Sections item 096715 Water Vapor Emission Control with Underlayment. Is this required at any of the Floor Tile from spec sections 093013,093046,093019? All 3 of these sections are already requiring a waterproofing membrane.</p> <p>11. BP#9.3 Athletic and Resilient FloorsIn BP#9.3 page 2 Specific Sections item 096715 Water Vapor Emission Control with Underlayment. Is the Vapor Control System required at all existing floors regardless of moisture test results? If the moisture test results come back acceptable will the Vapor System be taken out of project Is there a minimal thickness for the self leveling underlayment? Do any of the floor areas in the new addition require the Vapor System or Underlayment?</p>							
								<p>1. See drawing A6.1.1 for legend of abbreviations. On drawing A1.1.1A, delete floor mat notes and graphics over finish floor in Corridor A101E and Vesibule A101D. Refer to drawings AF1.1.1A for floor finishes.</p> <p>2. This drawing will not be required. Temporary Library location related work is issued as part of Addendum #3.</p> <p>3. Temporary carpet to be Tandus, style: Chameleon or equal.</p> <p>4. Refer to specification section 133423 for floor finish information.</p> <p>5. Temporary carpet to be Tandus, style: Chameleon or equal.</p> <p>6. BP#9.0 will furnish and install aluminum reveal types. Mel Strauss, Fusco Corp. 1.23.14</p> <p>7. Yes, install sheet vinyl rolls in same direction as shown on drawings AF1.1.2B and AF1.1.2C. Center product roll in room with total of three rows of full width sheet vinyl and two rows of cut sheet vinyl.</p> <p>8. At locations requiring mud set installation on drawing AF0.0.1 and/or as indicated on the Finish Schedule, use method F111-13.</p> <p>9. Wood Floor refinising is limited to A116 Platform and associated stairs.</p> <p>10. See drawing AF0.0.1 for locations of floor preparation systems. Provide waterproof membrane as specified in sections 093013, 093019 and 093046.</p> <p>11. Fusco to provide response.</p> <p>DRA Architects</p>
.00101	Structural Steel Clarifications	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Structural

To Company	Attention	Author Company	Author by
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Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

Project # BI-RT-844

141 Prindle Avenue
Ansonia, CT 06401-2500
Main Phone Number 203.732.1800

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
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Szewczek Associates Consulting Engineers	Peter C. Celella		Fusco Corporation, Inc				Mel Strauss
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Question

RFI 25- Please provide a sketch of the attachment of the S10x 25.4 crane hoist beam to the joists. Also include sketch of the crane hoist beams as they intersect at the branch. REF: SK A1.1.1.H.

RFI 27- Is masonry wall support required in the existing building or only in the new additions? I.e. is the existing building being retrofitted with masonry wall support?

Answer

25. FIELD WELD OR BOLT TO JOIST BOTTOM CHORD WITH A 2,500 # CAPACITY CONNECTION. COORDINATE WITH JOIST PROVIDER. WHERE JOIST INTERSECT, PROVIDE FULLY WELDED CONNECTION BETWEEN ENDS OF MEMBERS.

27. New masonry walls located within existing building require structural steel masonry wall lateral supports.

Peter Celella - Czewczak Associates.

.00102	Ford Street Clarifications	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Civil / Sitework
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To Company	Attention
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URS Corporation	Fraser Walsh
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Author Company	Author by
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Fusco Corporation, Inc	Mel Strauss
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Question

- 1.) Sheet C4.1 there is a note that indicates "wood rail fence see landscape dwgs. " L1.3 calls out a 4 foot high chain link fence in the same location. Please clarify if both fences are required.
- 2.) Please confirm there is no irrigation work required in this bid package. The only work required would be under the allowance for "irrigation Repair".
- 3.) Sheet L1.3 notes new bleachers at the same locations. Please clarify detail for new bleachers and location of applicable spec section for type etc...

Answer

CR3,LLP Response:

1. *There is only one fence in that location. It is chain link and 4' high. The wood guide rails shown on C4 will be eliminated totally.*
2. *There is to be a new irrigation system to cover the same area as the 1994 plan which was provided for information as part of Addendum #2. The specification; 32 80 00 is a performance spec for the new system. The 1994 system shall not be repaired but replaced.*
3. *Spec section 13 34 16.53 described the 2 types of aluminum bleachers. One consists of 4 rows of seating to a length of 15' and the other 8 rows of seating 15' wide.*

.00103	Millwork Clarifications	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural
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To Company	Attention
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Drumme Rosane Anderson, Inc.	Vladimir Lyubetsky
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Author Company	Author by
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Fusco Corporation, Inc	Mel Strauss
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Question

Sections 0640000-Clarify core material required for interior architectural wood work items. Part 2 Para 2.2. Page 4 appears to indicate a fire rated particle board core at the wood veneer faced items. Part 2, para 2.10 , page 10 appears to indicate a regular non fire rated particleboard core at Plastic laminate faced items. Is this correct? Are there specifications available for these particleboard cores? Is standard M-2 particleboard acceptable -it meets 48#/ft3 density noted in para 2.2.? Are there requirements for FSC certified particleboard or particleboard manufactured with no added urea formaldehyde?

Answer

See Addendum #3
DRA Architects

Request For Information

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Project # BI-RT-844

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.00104	Millwork Clarifications	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural
To Company		Attention					Author Company	
Drumme y Rosane Anderson, Inc.		Vladimir Lyubetsky					Fusco Corporation, Inc	
							Author by	
							Mel Strauss	
Question				Answer				
062000 Material specs in part 2, para 2.2.C page 3 appear to require that the Birch plywood used for shelving has an AA face. however , this shelving is recieving a paint finish. Usually, we would use a Bface in this situation as it meets AWI Custom Grade standards required by para 2.1.A page 3 and is much less costly than an AA face. Please clarify that B face is acceptable or if the painted shelving is actually intended to have an AA face.				See Addendum #3 DRA Architects				
.00105	Millwork Clarifications	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural
To Company		Attention					Author Company	
Drumme y Rosane Anderson, Inc.		Vladimir Lyubetsky					Fusco Corporation, Inc	
							Author by	
							Mel Strauss	
Question				Answer				
Spec Section 064000 1-- Specifications for plastic laminate include a note in para 2.3.B.2 that some counter tops may be indicaed as coloured core laminate. However, there is no specification provided.... Please provide specificaiton.... 2- Para 2.3.C provide specs for fire rated plastic laminate but does not indicate at which surfaces/locations it is required. Please provide locations. 3- Para 2.3.D rquires polyethylene tee moulding at edges of plastic laminate shelving. This is an older product that is not used frequently any more. More common is 3mm PVC edgeband, which provides better adhesion and durability. Is it acceptable to use PVC edgeband....?				See Addendum #3 DRA Architects				
.00106	Millwork Clarifications	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural
To Company		Attention					Author Company	
Drumme y Rosane Anderson, Inc.		Vladimir Lyubetsky					Fusco Corporation, Inc	
							Author by	
							Mel Strauss	
Question				Answer				
Spec Section 123213 Manufactured Wood Veneer Faced Case Work There are contradictions in the Specifications:..... (refer to Attachements tab for copy of RFI) Is the intention that this casework be fabricated as: a. wood veneer faced casework throughout b. wood veneer faced cabinet boxes with Plam at shelves and wood venner at doors/drawers c. melamine cabinet boxes w/ plam sehflves and wood veneer at doors/drawers and other exposed surfaces d. melamine cabinet boxes w/plam at doors/drawers and all other exposed surfaces.				See Addendum #3 DRA Architects				
.00107	Millwork Clarifications	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural
To Company		Attention					Author Company	
Drumme y Rosane Anderson, Inc.		Vladimir Lyubetsky					Fusco Corporation, Inc	
							Author by	
							Mel Strauss	

Request For Information

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Emmett OBrien THS - Renovations

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141 Prindle Avenue
Ansonia, CT 06401-2500
Main Phone Number 203.732.1800

Tel: 203.732.1800

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
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Question

Section 123213
RFI 10 - plywood spec in para 2.2.B for this casework has a veneer core. However AWI standards do not allow for veneer core at doors and drawer faces because of the potential for warping. Please confirm that it is acceptable to use particleboard core at the doors and drawer faces and veneer cores as gable and shelves.

RFI 11- Para 2.7.B.9 indicates that corner base cabinets should be equipped with kidney shaped lazy susan style revolving shelf. Para 2.7.D.7 indicates tall cabinets w/ closet units should include heavy duty chrome plated clothes pole. Neither of these items is specified in para 2.6 Please provide specifications for these items.

RFI 12- Countertop Construction- para 2.7.E describe a square edged counter top that is 1 1/2" thick, Detail 7/A9.1.1 shows a countertop at HC sinks as a bull nose edge that is 1 1/4" thick . Is it the intent to have 2 different countertops in the same room? If so which detail is intended for typ. base cabinets with no sink?

Answer

See Addendum #3
DRA Architects

.00108	Plumbing Clarification	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		MEP
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To Company	Attention
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Consulting Engineering Services, Inc Brian Wetzel

Author Company	Author by
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Fusco Corporation, Inc Mel Strauss

Question

Dwg MP1.1.H in the Facilities Garage Rm H103 there is 1-1/4" HWS&R tagged alternate bid and then see Alternate for continuation - is there an alternate that is not mentioned in the Specifications or do we disregard the alternate?

Answer

The reference to an alternate shall be deleted.
Brian D. Wetzel - CES

.00109	Bid Doc Clarifications	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural
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To Company	Attention
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Fusco Corporation, Inc Mel Strauss

Author Company	Author by
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Fusco Corporation, Inc Mel Strauss

Question

RFI #1 - AIA Doc A305 -186 shows name of this project as "Engineering Science Magnet School" instead of " Emmett O'Brien Technical High School".

RFI #2 Article 6, page 2 Instruction to Bidders is a list of documents that must be included with bid form.....that I cannot find. Document 000770 Contractors Compliance Certificate and 000412D Bidder Information.

RFI #3 & #5- Please confirm BP #6.1 is not responsible for the supply or installation for any division 8 doors.

RFI #1- Front end document referenced is sample draft- It is the bidders responsibility complete the form with the appropriate information including the project name- Emmett O'Brein..... Mel Strauss, Fusco Corp., 1.22.14.

RFI#2 - Please refer to ADDENDUM #2 dated 1/15/14 for clarification to which documents must be submitted to with the bids. The original Project Manual Volume 00 included copies or samples of documents required. Mel Strauss, Fusco Corp, 1.22.14

RFI #3 & #5 - Division 8 doors referenced in these RFIs are supplied by BP 8.1 Doors, Frames and Hardware, Installation is by BP 6.0 General Trades or BP 8.0 Glass and Glazing where applicable. Mel Strauss, Fusco Corp. 1.22.14.

.00110	Final Cleaning	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural
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To Company	Attention
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Fusco Corporation, Inc Mel Strauss

Author Company	Author by
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Fusco Corporation, Inc Mel Strauss

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Project # BI-RT-844

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
Question				Answer				
RFI #1	Can you explain how the final cleaning will be scheduled?				RFI #1	Final Cleaning will be completed on a per Phase basis. Refer to Building Phase Document 000926 in the Project Manual Vol 00 . Bidders should submit bid based on 6 Phases as indicated on the Bldg Phase Document. Mel Strauss, Fusco Corp., 1.22.14.		
RFI #2	Can we adjust for manitory increase in wage rates or do we have to estimate now at time of bid?				RFI #2	Wage increase need to be included in bids to cover the entire duration of the project. THERE WILL BE NO CONTRACT AMOUNT ADJUSTMENTS MADE FOR WAGE INCREASES. Mel Strauss, Fusco Corp., 1.22.14		
.00111	Modular Classrooms	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural
To Company		Attention		Author Company		Author by		
Fusco Corporation, Inc		Mel Strauss		Fusco Corporation, Inc		Mel Strauss		
Question				Answer				

Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

Project # BI-RT-844

**141 Prindle Avenue
Ansonia, CT 06401-2500
Main Phone Number 203.732.1800**

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
	<p>1.) The generic pricing page calls for lump sum pricing. Contract # 13 will involve a modular bldg. installation, a 15 month lease, and then a tear down at lease end. Will we be able to bill a lump sum for all three phases upon issuance of CO or will a separate pricing page need to be issued showing monthly lease payments, etc.?</p> <p>2.) Due to the relatively short term lease please confirm that you will accept used units for this project.</p> <p>3.) Will alternate floorplans be considered that meet the overall spacing requirements?</p> <p>4.) Can you provide us with a site plan indicating what the site is scheduled to look like in Jan 2015 along with a boundary indicating the maximum allowable space we can utilize for the DCMB?</p> <p>5.) Can we provide required space in more than one modular bldg.?</p> <p>6.) Bid package #13 SOW states that we are to furnish and install data and communication conduit only. Spec. sec 13 34 23 / 1.2 K states PA by us. Please confirm which is accurate.</p> <p>7.) Bid package #13 SOW states that footings and utilities will be removed by others at lease end, while Spec sec. 13 34 23 / 1.2 O states this is by us. Please confirm which is accurate.</p> <p>8.) Please confirm ANSI S12.60 -2002 Acoustical Performance is part of and applicable to Bid package #13.</p> <p>9.) Bid package #13 SOW Clarifications a.) references Dwg PH-101. There is no such drawing. Please provide.</p> <p>10.) Please confirm tie in location and pressure of available water line we are to use for sprinkler.</p> <p>11.) Please confirm location, size, and tie in point for sewer.</p> <p>12.) Please confirm location, size, and tie in point for water line.</p> <p>13.) Please confirm location, size, and tie in point for electrical.</p> <p>14.) Can HVAC be electric wall hung in lieu of gas fired RTU?</p> <p>15.) Please confirm where in existing building we will tie Edwards F/A back to. Please also confirm there is adequate capacity to operate modular.</p> <p>16.) Are we to tie gutters and downspouts into existing storm drains? If so where are the connection points?</p> <p>17.) Can you confirm location of existing neutralization tanks for science labs?</p>							<p>1.) Payments will be issued on a monthly basis in accordance with subcontract agreement which includes an approved schedule of values. There will be no Lump Sum payments.</p> <p>2.) Acceptance of used units can be considered but is dependent on their condition.</p> <p>3.) Alternate floor plans can be considered as long as they meet the intent of the bid documents and are approved by the owner.</p> <p>4.) Please refer to Addendum #2 dated 1.15.14. Project Manual Vol Front End Documents , Document 000935 series Site Logistic Plans (by Phase) 3 pages.</p> <p>5.) No</p> <p>6.) Provide as specified in Section 133423.</p> <p>7.) Complete work as specified in Section 133423.</p> <p>8.) Provide as specified in Section 133423 , Para 1.9 Design Criteria.</p> <p>9.) Disregard reference to this dwg. All bid documents dwgs are listed on DWG INFO.1</p> <p>10.) Refer to DWG C5 for temporary site utility tie in points for temporary modular classrooms.</p> <p>11.) Refer to DWG C5 for temporary site utility details and locations for temporary modular classrooms.</p> <p>12.) Refer to DWG C5 for temporary site utility details and locations for temporary modular classrooms.</p> <p>13.) Refer to DWG SU1.1.1 (This is the first drawing in the MEP set.) for temporary electrical details and locations for temporary modular classrooms.</p> <p>14.) NO</p> <p>15.) Building A, / Panel will be evaluated once construction starts to determine if there is adequate space. The owner is required to provide this space so info is not required now for bidding purposes.</p> <p>16.) NO- It is anticipated that the permanent storm system will be installed prior to set up of the temporary classrooms to handle run off.</p> <p>17.) These are located in AREA B /2nd floor of the existing building. Mel Strauss, Fusco Corp., 1.22.14</p>
.00112	Ceramic Tile Wall Finishes	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural

To Company	Attention	Author Company	Author by
Drumme Rosane Anderson, Inc.	Vladimir Lyubetsky	Fusco Corporation, Inc	Mel Strauss

<u>Question</u>	<u>Answer</u>
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Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

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**141 Prindle Avenue
Ansonia, CT 06401-2500
Main Phone Number 203.732.1800**

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
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RE: Please clarify Wall Finish in Janitor/Custodian Closets

Per Finish Schedules, nine of the ten janitor closets call wall finish to be "CT/EP" (ceramic tile/epoxy paint).
Four of the nine reference elevation 13 & 14/A4.1.3 which shows painted CMU wall. Remaining five reference 10/A4.1.1 which is incorrect and does not show a janitor closet.
None of the Janitor walls show A1.0.3 Partition Code CT58 or CT63. Any other rooms with wall tile have these codes on the A4.1.X enlarged plans.
Based on all drawing information, except finish schedule, we would assume the janitor closets DO NOT receive wall tile.
Please confirm.

All closets and Janitor closets which are required to receive ceramic tile by notes on the finish schedules shall have a ceramic tile wainscot of 14 courses as listed in finish schedule note #14.
DRA Architects

.00113	Wood Floor	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

- 1.) Refinish wood floor specs note refinishing of existing Gym Floor. WAF specs note install new gym floor.
- 2.) Drawing A1.1.F notes rms 103a and 103b finish to be painted concrete. Fin Sch notes WBF.
- 3.) Form 000350-4 CHRO cannot be located in front end documents.

Answer

- 1.) Gymnasium to receive new wood floor and finish. Mel Strauss, Fusco Corp. 1.22.14. Stage wood floor is scheduled for refinishing.
- 2.) Provide WAF in rooms 103a and 103b as indicated on the Finish Schedule and Drawing AF 1.1.1F At Drawing A1.1.1F in Rooms #F103a -STORAGE and #F103b -TOOL CRIB delete word "PAINTED" from the notes "CONCRETE INFILL". DRA Architects
- 3.) Form 000350-4 IS in the front end documents. It consists of 1 page is located just before AIA 305 in the Project Manual, Volume 00 Front End Documents. Mel Strauss, Fusco Corp., 1.22.14

.00114	Demolition Scope Clarifications	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural
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To Company	Attention
Fusco Corporation, Inc	Mel Strauss

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

1. Referring to the temporary classrooms, please provide info on extent of footing & walls/flooring to be removed. Items 6.(H) + 10.(23) of demo package.
2. Which Trade owns demo of 6 bay garage, demo or site.

Answer

- 1.) BP13.0 Temporay Modular Classrooms is required to remove these items when removing temporary classroom units. BP 2.0 Demolition & Hazardous is responsible for demoliton of temporary Classrooms and Administrative Offices, and temporary separation partitions constructed within the existing building and new additions (AREA H). Mel Strauss, Fusco Corp., 1.22.14..
- 2.) BP 2.0 Demolition &.... - Refer to clarification issued in ADDENDUM #2. Mel Strauss, Fusco Corp., 1.22.14

.00115	Ceramic Wall Tile installation details	Fusco Corporation, Inc	Drumme y Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Architectural
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To Company	Attention
Drumme y Rosane Anderson, Inc.	Vladimir Lyubetsky

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Request For Information

Summary Log of All RFIs

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141 Prindle Avenue
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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
	Question							Answer
	<p>RE: Clarify 09 30 16 Ceramic Wall Tile Setting Method on Masonry Walls 3.7 Calls for TCNA W211 Setting method which is Bonded Mortar Bed over Masonry of Concrete. We believe the correct method W202 Thin Set over masonry or concrete. The 3.7 method would typically occur over new masonry walls. (Note that existing masonry walls are typically method listed in 3.6, W244 Thin Set over Cement Board since these walls are Partition type F1.0 furred out with hat channel and GWB.</p> <p>TCNA W211 should not be specified for the following reasons:</p> <p>-If the new masonry walls are built plumb/square/level to specified tolerances, why would 3/8" to 3/4" of mortar bed be floated before installing ceramic tile? (Adding over \$100,000 to the bid)</p> <p>-All Ceramic wall tile is wainscot height with painted CMU above (except at shower stalls only). If the tile contractor builds out the wall 3/8" to 3/4" using method W211, what happens at transition to the painted CMU wall?</p> <p>-Electrical boxes, plumbing fixtures, etc. are never coordinated properly with wall mortar bed setting methods.</p> <p>-If new masonry walls are built to tolerance, minor skim coat prep may be required for ceramic tile installation. Thin Set Method W202 along with minor skim coat wall prep should be carried in the bid.</p> <p>Please Confirm Correct Ceramic Wall Tile Setting Methods:</p> <p>-New Masonry Walls -Existing Masonry Walls Furred -Any other Masonry Wall Application?</p>							<p>W211 shall be the setting method on masonry walls, see specifications.</p> <p>In spec section 093016, paragraph 3.6 add sub paragraph D: At all ceramic tile wainscot top edge, add continuous Schluter Rondec trim piece in color Satin anodized aluminum as required to accommodate mortar bed thicknesses.</p> <p>CM-R is responsible for coordination between trades to assure quality of the ceramic tile installation.</p>

Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

141 Prindle Avenue
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Main Phone Number 203.732.1800

Project # BI-RT-844

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.00116	Sitework Scope Clarifications	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		Sitework

To Company

Fusco Corporation, Inc

Attention

Mel Strauss

Author Company

Fusco Corporation, Inc

Author by

Mel Strauss

Question

RFI #1

BID PACKAGE 31.0 SITEWORK:

- 1.) Scope references work in Clarification #31 pumping site fuel and waste oil- we cannot find this on site.
- 2.) Scope references Item #20 rigid insulation by site contractor (we believe it is in the concrete bid package).
- 3.) Scope Item #18 site contractor owns removal and disposal of unsuitable - has this been quantified?
- 4.) Are we correct in assuming all drip edge stone, mulch and metal edging not in BP 31?
- 5.) References radon pits Please give us location and details.
- 6.) Please verify E Building has no interior work only utilities stubbed under the slab.

RFI #2

- 1.) Scope Item #6 references benches, trash receptacles & bike racks. These items were not found on the contract documents.

Answer

RFI #1

- 1.) All fuel storage tanks have been removed by owner. Disregard this item.
- 2.) BP 31 is to furnish and install insulation at foundations/footing as applicable on the contract documents. BP 3.0 is to furnish and install rigid insulation under slab on grade if required.
- 3.) BP 31 is responsible for removal excess soil materials. Unsuitables have not been quantified.
- 4.) BP 31.2 Landscaping will complete Wash stone drip edging Detail F/L5.1.
- 5.) Refer to ADDENDUM #3 for clarifications regarding Radon System and scopes of work.
- 6.) Extent of utilities at E Building are on Dwg SU1.1.1 and Dwg P2.1.5.

RFI #2

- 1.) Submit bid based on items identified on the Construction Documents.
Additional information shall be provided as part of Addendum #3. - Gary Hath - CR3

Mel Strauss, Fusco Corp., 1.22.14.

.00117	Masonry Scope Clarifications	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/24/2014		Architectural
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To Company

Fusco Corporation, Inc

Attention

Mel Strauss

Author Company

Fusco Corporation, Inc

Author by

Mel Strauss

Question

Answer

Request For Information

Summary Log of All RFIs

Emmett OBrien THS - Renovations

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RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
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RFI #1 Regarding instances where the note appears: "Repair Masonry Wall to Match Existing" what is the extent of the repair? Does the repair involve the existing CMU backup wall? Please provide dimensions and cross section of the work required.

RFI #2 Regarding instances where the note appears "Repoint Existing Brick..." What is the extent of the repointing? Is it 100% of the designated area? If not, please provide percentage. Better yet consider an allowance to cover all repointing.

RFI #3 Elevation 15/A2.1.2 indicates area of new brick veneer between X1-X1-A and XO1-XO2 however no new work is shown on the plan view of this area (ref. A1.1.C). What is the extent of work involved? Does the existing CMU backup wall remain? Do we need new cavity insulation? Air Vapor Barrier? Please provide details.

RFI #1 Response:
Extent of the repair was indicated on the Exterior Elevations. Also refer to the notes on the Plan Drawings. In addition see SKA - 008 dated: 1/23/14 for detail at exterior window sills. This detail shall be applied at the following locations: In Building "F" along Column Line "XL" all sills located between Column Line "X13" and "XV". In Building "F" along Column Line "XB" all sills located between Column Line "X13" and "X11". In Building "F" along Column Line "X5" all sills located between Column Line "XN" and "X7".

RFI #2 Response:
Repointing is required at 100% of the designated areas.

RFI #3 Response:
Refer to Drawing AD 2.1.2 for exterior brick veneer demolition scope (at locations indicated in the RFI.) Existing exterior CMU Back-Up walls at these locations shall remain. Provide Air and Vapor Barrier over existing CMU prior to installation of new brick veneer. No additional insulation shall be required (at locations indicated in the RFI). Please note that the same scope is applicable to the location as indicated on Drawing A2.1.2 Elevation 16 to the left of Column Line "X10" also see Drawing AD2.1.2 Elevation 15D to the left of Column Line "X10".

.00118	Millwork Clarifications	Fusco Corporation, Inc	Drumme Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014	Architectural
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To Company	Attention
Drumme Rosane Anderson, Inc.	Vladimir Lyubetsky

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

Bid Package #6.1 Millwork & Lab Casework
RFI #13

REFERENCE: RFI #6 submitted previously Drawing Number EQ.3 & EQ.5 Spec Section 11 60 00

INFORMATION REQUESTED: I have located fixed casework SC-16, SC-17, and SC-18 in the Cosmetology rooms H105a, H105b, and H105f. I have located fixed casework, HC-01, HC-02, HC-03, HC-04, HC-05, HC-06, and HC-07 in Clinical Lab rooms F111b, F111c, F111d, F111g, F111j, and F111k.

I cannot locate SC-15, however there is an elevation in F101d tagged as SC-14 (see floor plan on EQ.3) that is clearly too short to actually be SC-14 (which is 16' across). Is the elevation in F101d actually supposed to be SC-15? Still cannot locate HC-08. Please provide a location if it is required.

As noted in RFI #6, these elevations are not included in section 11 60 00, paragraph 2.8 "Items to be Furnished and Installed", which only includes SC-01 through SC-14. Please provide a list of required components, similar to those provided for SC-01 through SC-14 in paragraph 2.8.

RFI #14 REFERENCE: Drawing number A4.1.1 & A4.1.3 Detail 3, 4 & 26
Spec Section 06 40 00

INFORMATION REQUESTED: The summary in paragraph 1.2 on page 1 of section 06 40 00 includes item "1.d. Dressing Room Bench". Drawing section 26/A2.2.2F is titled "Changing Room Bench (SS)" and it includes this note: "by metal fabrications". "SS" benches are shown in plan 3/A4.1.1 in Girls Locker Room A114 and in plan 4/A4.1.1 in Boys Locker Room A117. Are the dressing room bench specified in section 06 40 00 and the changing room bench "SS" shown in the drawings intended to be the same bench, and, if so, who is responsible to supply and install it?

Answer

Response to bidder question #13
HC-08 is located in Laundry Room D111a.
Refer to response in RFI .0043 and .0075 for other questions.
-DRA Architects, 1/23/2014

Response to bidder question #14
Detail 26/A4.1.3, Changing Room Bench (SS) is the correct detail for "SS" benches locate on drawings 3/A4.1.1, 4/A4.1.1. This is also the same bench that is described in specification section 064000. - DRA Architects
-DRA Architects, 1/23/2014

Response to bidder question #15
This section is cut through a classroom window. Sill information for typical classrooms can be found on drawing 1/A6.5.6
-DRA Architects, 1/23/2014

Response to bidder question #16
CM-R shall carry an allowance for the Reception Desk at Room A102 & A102a.
-DRA Architects and Fusco 1/23/2014

Response to bidder question #17
Yes, you are correct. This is the same piece of casework.
-DRA Architects, 1/23/2014

Response to bidder question #18
There is no millwork at rooms E104, F102a, F103g and

Request For Information

Summary Log of All RFIs

RFI #15
REFERENCE: Drawing number A5.2.1 Detail 3
INFORMATION REQUESTED: This detail is a section at Area A that includes a window sill. No material or dimensions are provided. Is this an existing sill? If a new sill is required here please provide additional information.

H105g
 -DRA Architects, 1/23/2014

Response to bidder question #19
 1/2" thick product installed on substrate is acceptable. The profiles and dimensions indicated on the drawings must be provided.
 -DRA Architects, 1/23/2014

RFI #16
REFERENCE: Drawing number A1.1.1A, A2.2.2A & A6.1.1 Detail 10
INFORMATION REQUESTED: The room finish schedule on A6.1.1 includes a note at room A102a Security that reads "see interior elevation for millwork". Elevation 10/A2.2.2A includes a desk but there are no millwork or section tags on it. Additionally, the floor plan of this area on A1.1.1A includes a note that reads "reception desk (N.I.C.)". Please confirm that the reception desk in Security A102a is not part of BP 6.1 as indicated on the floor plans. If this desk is intended to be provided by BP 6.1 please provide additional information.

Response to bidder question #20
 This counter is found at the Plumbing Shop Loft. Refer to drawing 4/A1.1.1E. The plywood countertop is to receive NO finish.
 -DRA Architects, 1/23/2014

RFI #17
REFERENCE: Drawing number A2.2.1B & A2.2.2A Detail 17 & 4
INFORMATION REQUESTED: Elevation 17/A2.2.1B and elevation 4/A2.2.2A appear show the same elevation on the west wall of Work Room B109. Is this correct, or are they actually two different elevations?

RFI #18
REFERENCE: Drawing number A6.1.1 & A6.1.2
INFORMATION REQUESTED: The room finish schedule on A6.1.1 and A6.1.2 include notes "see interior elevation for millwork" at rooms E104, F102a, F103g, and H105g (all Theory rooms). We have reviewed the elevations for each room and there is no millwork noted on them. What millwork does the room finish schedule refer to?

RFI #19
REFERENCE: Drawing number A6.5.6 & A6.6.2 Detail assorted Spec Section 06 65 00
INFORMATION REQUESTED: Both the solid surface sill detail drawings on A6.5.6 and A6.6.2 and the specifications in paragraph 2.2.B on page 3 of section 06 65 00 indicate that the solid surface sills are fabricated from 3/4" thick material. However, the solid surface materials specified are 1/2" thick. Please confirm that 1/2" thick material is acceptable (a thicker substrate can be used to achieve the same finished dimensions).

RFI #20
REFERENCE: Drawing number A7.1.2 Detail 7
INFORMATION REQUESTED: This detail shows a wood cap at a low wall and a plywood counter with steel legs. Where is this item located? What finish is required at the plywood counter? Are there any specifications for the steel legs?

.00119	Ceramic Floor Tile	Fusco Corporation, Inc	Drummey Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014	Architectural
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To Company	Attention
Drummey Rosane Anderson, Inc.	Vladimir Lyubetsky

Author Company	Author by
Fusco Corporation, Inc	Mel Strauss

Question

RE: Clarify 09 30 16 Ceramic Floor Tile Setting Method (CMT Ceramic Mosaic Tile 09 30 16 3.5 ONLY Lists one setting method TCNA F122 Thin Set to Concrete over Waterproof Membrane. This one method is typical for thin set to concrete on slab above grade and does not cover all the situations on the project. Also, Finish Schedules A6.1.1 and A6.1.2 list in Notes columns " Provide Mudset CMT" for numerous rooms receiving CMT Ceramic Mosaic Tile. There is no "mudset" method in 09 30 16.
 Typical Specifications suggested for situations on project:
 New Slabs (New and Existing Buildings) Slab On Grade Thin set - F113 Thin Set to Concrete (without waterproof membrane)
 Existing Toilets Mud Beds Removed - Slab On Grade Mud Set - F112 Mortar bed (without waterproof membrane)
 New Rooms in Existing Buildings - Second Floor Slab Above Grade Thinset - F122 Thin Set to concrete with waterproof membrane
 Existing Toilets Mud Beds Removed - Second Floor Slab Above Grade Mud set - F121 Mortar Bed with waterproof membrane
 Please confirm if suggested setting methods are correct. If Not confirm what

Answer

Question: RE: Clarify 09 30 16 Ceramic Floor Tile Setting Method (CMT Ceramic Mosaic Tile 09 30 16 3.5 ONLY Lists one setting method TCNA F122 Thin Set to Concrete over Waterproof Membrane. This one method is typical for thin set to concrete on slab above grade and does not cover all the situations on the project.
 Also, Finish Schedules A6.1.1 and

Request For Information

Summary Log of All RFIs

methods are required and specifically what rooms/areas waterproof membrane is required.

A6.1.2 list in Notes columns " Provide Mudset CMT" for numerous rooms receiving CMT Ceramic Mosaic Tile. There is no "mudset" method in 09 30 16.

Answer - See response to RFI .100.

Comment - Typical Specifications suggested for situations on project:
New Slabs (New and Existing Buildings)
Slab On Grade Thin set - F113 Thin Set to Concrete (without waterproof membrane)

Answer - See specification section 093016 .

Comment - Existing Toilets Mud Beds Removed - Slab On Grade Mud Set - F112 Mortar bed (without waterproof membrane)

Answer - See response to RFI .100.

Comment - New Rooms in Existing Buildings - Second Floor Slab Above Grade Thinset - F122 Thin Set to concrete with waterproof membrane

Answer - See specification

Comment - Existing Toilets Mud Beds Removed - Second Floor Slab Above Grade Mud set - F121 Mortar Bed with waterproof membrane

Answer - See specification

Question - Please confirm if suggested setting methods are correct. If Not confirm what methods are required and specifically what rooms/areas waterproof membrane is required.

Answer - See specifications

Request For Information

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Emmett OBrien THS - Renovations

141 Prindle Avenue
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Main Phone Number 203.732.1800

Project # BI-RT-844

Tel: 203.732.1800

Fax: DPWP00001060073

RFI #	Subject	Author Company	Answer Company	Date Created	Date Req'd	Date Resp	CSI Code	Category
.00120	Grease Trap	Fusco Corporation, Inc	Drummeey Rosane Anderson, Inc.	01/22/2014	01/29/2014	01/23/2014		MEP

To Company
Consulting Engineering Services, Inc

Attention
Brian Wetzel

Author Company
Fusco Corporation, Inc

Author by
Mel Strauss

Question

Who is responsible to supply /install grease trap? Is there a spec section?

Answer

Grease trap as indicated on Dwg. C5 is furnished and installed by BP 31.0 Sitework. BP 22.0 Plumbing.... will stub vent to 5' outside exterior wall line for connection by BP31.0 Mel Strauss, Fusco Corp, 1.22.14

Refer to Specification section 33 30 00, Sanitary Sewers, Article 2.5 and detail on Civil drawing C14 for information regarding grease trap. - DRA Architects 1/23/2014

.00121	Site Details	Fusco Corporation, Inc	Drummeey Rosane Anderson, Inc.	01/23/2014	01/30/2014	01/23/2014		MEP
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To Company
Consulting Engineering Services, Inc

Attention
Brian Wetzel

Author Company
Fusco Corporation, Inc

Author by
Mel Strauss

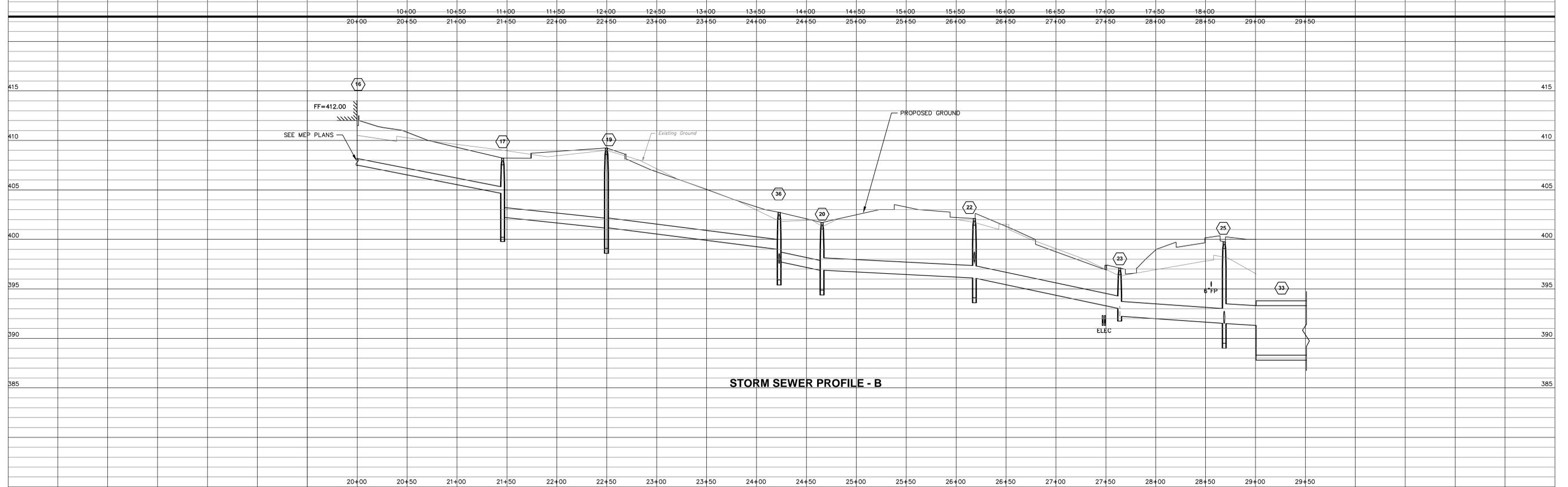
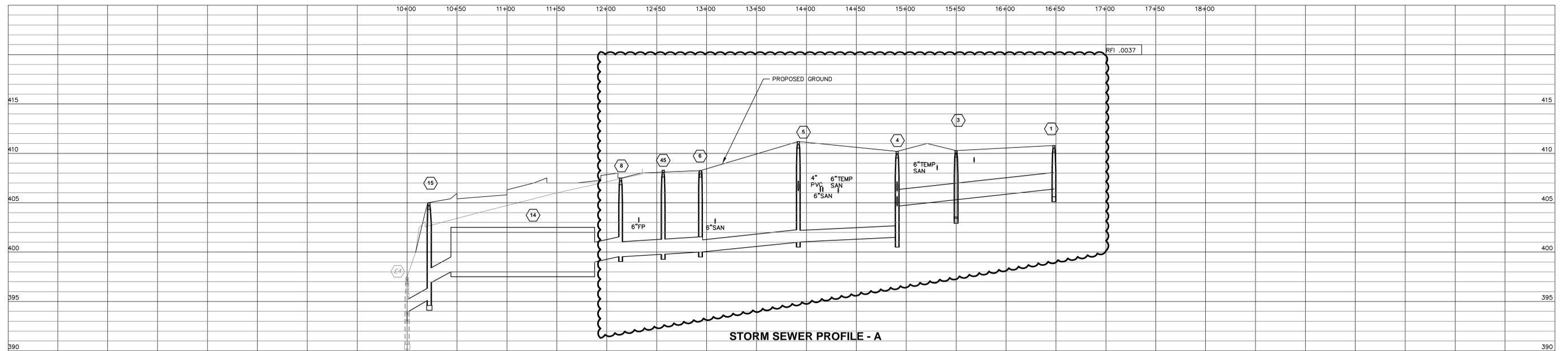
Question

E2.1.3 Details 7 &8
Detail 7 - Typ Trench Detail Calls for thermal sand - this material is very expensive is it really necessary?
Detail 8- Typ Conduit Road Crossing - calls for galvanized rebar - this is very expensive is it really necessary?

Answer

Response to Detail 7/E2.1.3 question:
Provide sand bedding per CTDOT standards. - Rick McCracken, CES 1/23/2014

Response to Detail 8/E2.1.3 question:
#5 rebar is acceptable. - Rick McCracken, CES 1/23/2014

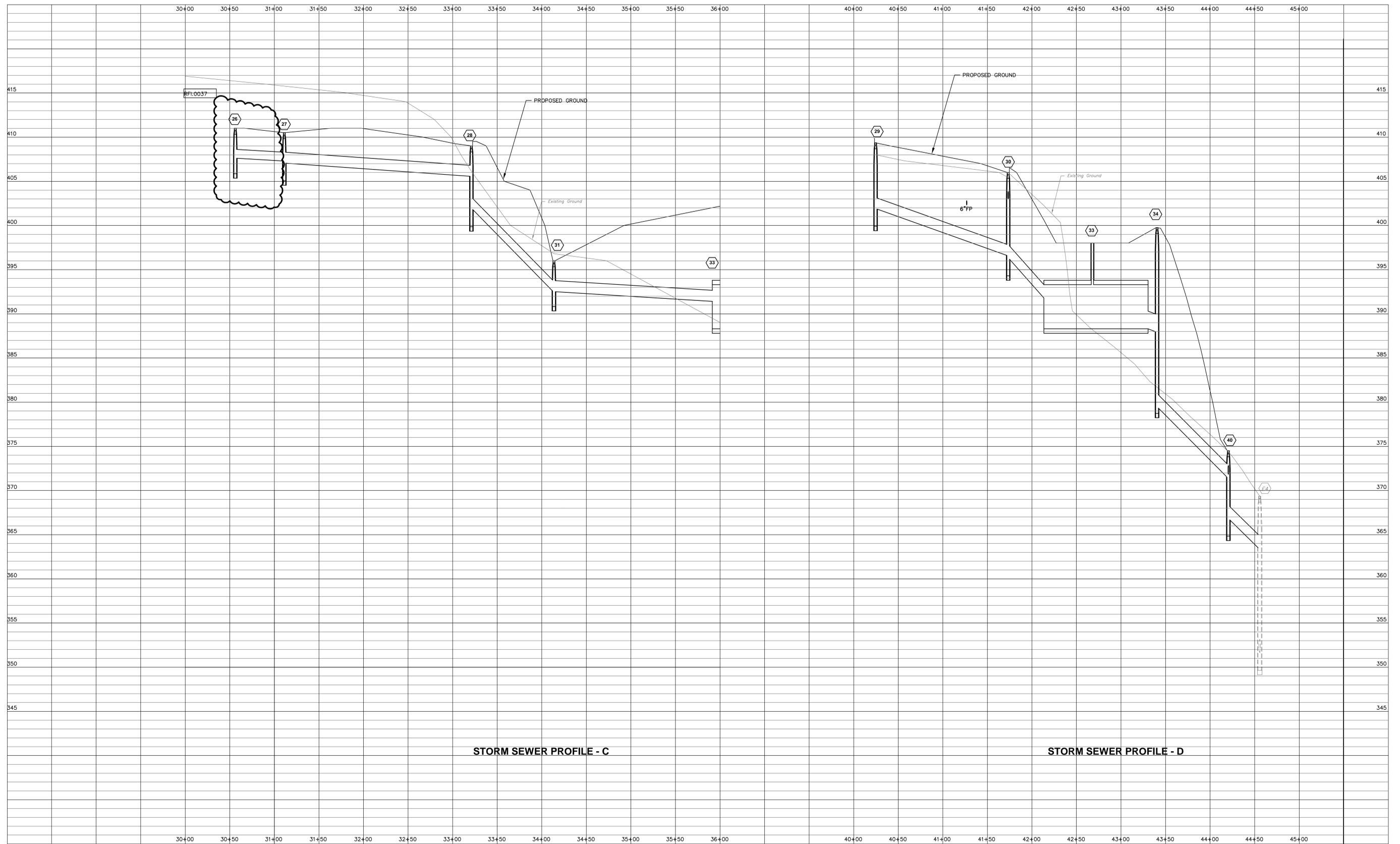


NOTES

1. SEE SHEET C5 FOR BASELINE AND PLAN VIEW OF STORM SEWER.
2. SEE SHEET C8 FOR STORM SEWER PIPE AND STRUCTURE TABLE.

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drawing title SITE UTILITY PROFILES- STORM SEWER		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
R E V I S I O N S			
mark	date	description	drawing prepared by
RFI.0037/1172014		GRADING AND DRAINAGE REVISIONS	DRUMMEY ROSANE ANDERSON, INC. WINDSOR, CONNECTICUT
project		drawing no.	
RENOVATIONS AND ADDITIONS TO EMMETT O'BRIEN TECHNICAL HIGH SCHOOL ANSONIA, CONNECTICUT		C5.2	
project no.		drawing no.	
C5.2.DWG		B1-RT-844-CMR	



STORM SEWER PROFILE - C

STORM SEWER PROFILE - D

NOTES

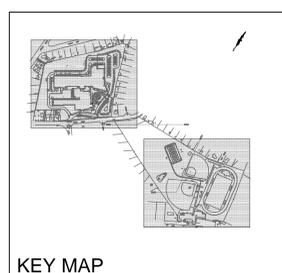
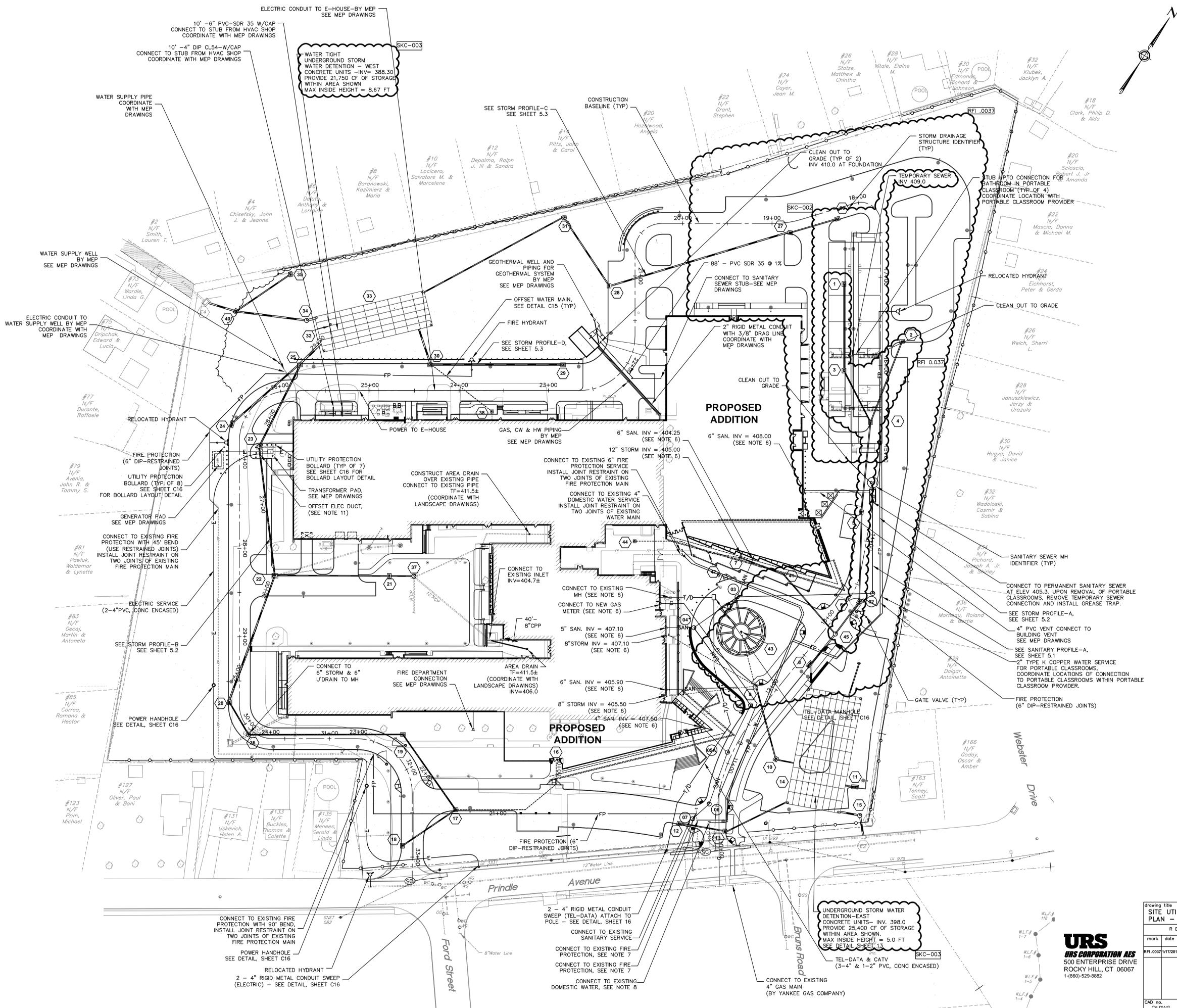
1. SEE SHEET C5 FOR BASELINE AND PLAN VIEW OF STORM SEWER.
2. SEE SHEET C8 FOR STORM SEWER PIPE AND STRUCTURE TABLE.

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drawing title SITE UTILITY PROFILES - STORM SEWER (CONT.)		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
mark		description	
RFI.0037/1/17/2014		GRADING AND DRAINAGE REVISIONS	
drawing prepared by DRUMMEY ROSANE ANDERSON, INC. WINDSOR, CONNECTICUT		date 10/23/2013	
project RENOVATIONS AND ADDITIONS TO EMMETT O'BRIEN TECHNICAL HIGH SCHOOL ANSONIA, CONNECTICUT		scale 1" = 40'	
project no. BI-RT-844-CMR		drawing no. C5.3	
CAD no. C5.3.DWG			

SITE UTILITY PLAN NOTES

- COORDINATE THE EXACT LOCATION OF BUILDING UTILITY SERVICES AND RAIN WATER LEADER LOCATIONS WITH MECHANICAL, ELECTRICAL, AND ARCHITECTURAL PLANS.
- PROPOSED ELECTRICAL SERVICE FROM UNITED ILLUMINATING IS FROM UI POLE NO.3331 IN PRINDLE AVE RIGHT OF WAY.
- PROPOSED TEL-DATA SERVICE FROM SNET IS FROM UI POLE #981 IN PRINDLE AVE RIGHT OF WAY.
- ALL WATER MAIN AND FIRE PROTECTION WORK WITHIN THE PRINDLE AVENUE RIGHT OF WAY WILL BE DONE BY THE SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY (RWA). CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE WITH THE RWA.
- COORDINATE ALL WORK ON THE GAS SERVICE WITH YANKEE GAS COMPANY.
- COORDINATE BUILDING SERVICE CONNECTIONS WITH MEP PLANS.
- CONNECT TO EXISTING FIRE PROTECTION, 6"x4" TAPPING SLEEVE, 4" TAPPING VALVE AND 4"x6" INCREASER. INSTALL RESTRAINT ON TWO JOINTS OF EXISTING PIPE.
- CONNECT TO EXISTING DOMESTIC WATER WITH TAPPING SLEEVE, TAPPING VALVE AND INCREASER. INSTALL RESTRAINT ON TWO JOINTS OF EXISTING PIPE.
- SEE SHEET C5.1 FOR SANITARY SEWER SYSTEM PROFILE. SEE SHEET C8 FOR SANITARY SEWER INVERTS, PIPE LENGTHS AND PIPE TYPE.
- SEE SHEET C5.2 AND C5.3 FOR STORM SEWER SYSTEM PROFILES. SEE SHEET C8 FOR STORM SEWER STRUCTURE TYPES, INVERTS, PIPE LENGTHS AND PIPE TYPES.
- OFFSET ELEC DUCT BANK BELOW STORM SEWER TO A MAXIMUM TOP OF DUCT ELEVATION OF 392.50 FEET. ALLOW FOR LONG SWEEPS. CONTINUE DUCT AT 1% SLOPE TO TRANSFORMER SO THAT TOP OF DUCT AT TRANSFORMER IS 392.21 FEET.



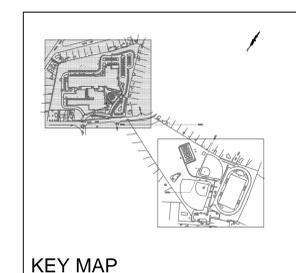
drawing title SITE UTILITY PLAN - PRINDLE		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
mark	date	description	drawing prepared by
RFI.0037/1172014		GRADING AND DRAINAGE REVISIONS	DRUMMEY ROSANE ANDERSON, INC. WINDSOR, CONNECTICUT
CAD no. C5.DWG		project RENOVATIONS AND ADDITIONS TO EMMETT O'BRIEN TECHNICAL HIGH SCHOOL ANSONIA, CONNECTICUT	date 10/23/2013 scale 1" = 40' drawn by KARI BENS, LG approved by GRN drawing no. C5

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

- IMPLEMENTATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL CONFORM TO THE CONTRACT DRAWINGS AND SPECIFICATIONS OR TO THE CTDEP "CONNECTICUT" GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. LATEST REVISION, WHICHEVER IS MORE STRINGENT.
- CONSTRUCTION ENTRANCES, PERIMETER SEDIMENTATION BARRIERS AND PROTECTION AT EXISTING INLETS SHALL BE INSTALLED PRIOR TO ANY EXCAVATION (INCLUDING THE REMOVAL OF STUMPS).
- IT IS THE INTENT OF THESE PLANS TO SHOW THE INITIAL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES REQUIRED. ACTUAL LOCATIONS OF CONTROLS MAY CHANGE AS CONSTRUCTION PROCEEDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL CONTROL MEASURES AS REQUIRED OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- AREAS DISTURBED BY CONSTRUCTION WHICH WILL NOT BE COVERED BY PAVEMENT, CURBING, OR SIDEWALKS SHALL BE PROVIDED WITH A PERMANENT OR TEMPORARY VEGETATIVE COVER OR MULCHED. THE COVER SHALL BE PROVIDED WITHIN A REASONABLE TIME PERIOD, AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
- IF AREAS HAVE NOT RECEIVED A VEGETATIVE COVER WITHIN THE ALLOWABLE TIME, THEN THE AREAS SHALL BE PROTECTED WITH A MULCH OF HAY OR LITE MESH. THESE MEASURES SHALL BE APPLIED IN CONFORMANCE WITH THE AFOREMENTIONED GUIDELINES.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF SEDIMENT AND DEBRIS TRAPPED BY SEDIMENT BARRIERS AS DIRECTED BY THE OWNER'S REPRESENTATIVE WHEN IT REACHES ONE HALF THE HEIGHT OF THE BARRIER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, INSPECTION, MAINTENANCE AND REMOVAL OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES. ALL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR WEEKLY DURING DRY WEATHER, AFTER EACH RUNOFF PRODUCING STORM, AND AT LEAST ONCE A DAY DURING PERIODS OF PROLONGED RAINFALL. REPAIR OR REPLACEMENT OF DAMAGED SEDIMENTATION OR EROSION CONTROL MEASURES SHALL BE DONE IMMEDIATELY. SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE REMOVED AFTER UPLAND AREAS BECOME STABLE.
- PROVISIONS SHALL BE MADE TO SAFELY CONDUCT SURFACE RUNOFF TO PROTECTED STORM DRAINS OR PROTECTED OUTLETS TO ENSURE THAT SURFACE RUNOFF WILL NOT DAMAGE SLOPES OR OTHER GRADED AREAS.
- SEDIMENTATION BARRIERS SHALL BE INSTALLED AS CONSTRUCTION PROCEEDS AT TOES OF SLOPES, ACROSS SWALES AND ACROSS OPEN GRADED SURFACES, ALL AS NECESSARY TO CONTAIN SEDIMENTATION TRANSPORT.
- NO SOILS OR FILL SHALL BE STOCKPILED ON SITE UNLESS THE AREA CHOSEN FOR THE STOCKPILE IS DRY AND STABLE, LOCATED ON LEVEL OR MILDLY SLOPING GROUND NO LESS THAN 50 FEET FROM WETLANDS AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- SIDE SLOPES OF STOCKPILED MATERIALS SHALL NOT EXCEED TWO HORIZONTAL TO ONE VERTICAL. ALL STOCKPILES SHALL BE SURROUNDED WITH SILT FENCE OR HAY BALES.
- STOCKPILES REMAINING IN PLACE FOR MORE THAN SEVEN DAYS SHALL BE SEEDED AND MULCHED OR COVERED WITH GEOTEXTILE FABRIC SUITABLY ANCHORED TO PREVENT MOVEMENT OF THE COVER BY WIND OR WATER FORCES.
- ALL EROSION CONTROLS MUST REMAIN IN PLACE UNTIL AUTHORIZED TO REMOVE BY THE OWNER'S REPRESENTATIVE.
- ALL EMBANKMENT SLOPES 3:1 OR GREATER TO BE STABILIZED WITH EROSION CONTROL BLANKET, NORTH AMERICAN GREEN S150BN OR APPROVED EQUIVALENT, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- SEE SHEET C13 FOR SOIL EROSION AND SEDIMENTATION CONTROL NARRATIVE AND DETAILS.

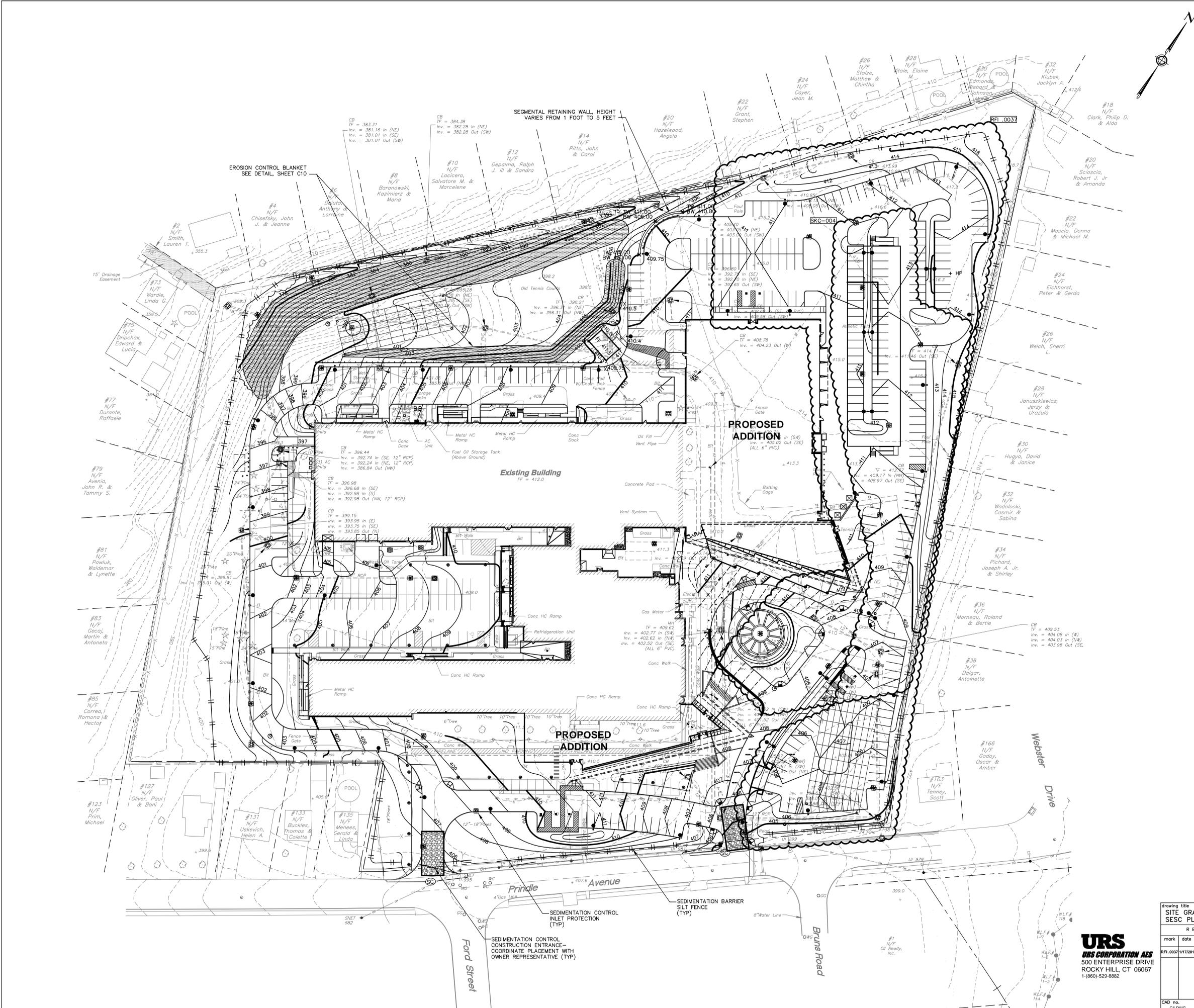
LEGEND

	SEDIMENTATION BARRIER SILT FENCE
	SEDIMENTATION CONTROL INLET PROTECTION
	SEDIMENTATION CONTROL CONSTRUCTION ENTRANCE
	EROSION CONTROL BLANKET



drawing title SITE GRADING AND SESC PLAN - PRINDLE		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
mark	date	description	drawing prepared by
RFI_0037/1172014		GRADING AND DRAINAGE REVISIONS	DRUMMEY ROSANE ANDERSON, INC. WINDSOR, CONNECTICUT
CAD no. C6.DWG		project RENOVATIONS AND ADDITIONS TO TECHNICAL HIGH SCHOOL ANSONIA, CONNECTICUT	date 10/23/2013 scale 1" = 40' drawn by KAV BNS.LG approved by GRN drawing no. C6

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 ROCKY HILL, CT 06067
 1-(860)-529-8882



UTILITY STRUCTURE NOTES

- STATION AND OFFSET AT CATCH BASINS REFERS TO THE CENTER OF THE STRUCTURE.
- TYPE 'C' CATCH BASINS SHALL BE PROPERLY ALIGNED WITH THE CURBING.
- STATION AND OFFSET AT MANHOLES REFERS TO THE CENTER OF THE STRUCTURE.
- STATION AND OFFSET AT DETENTION FACILITIES REFERS TO THE CENTER OF THE DETENTION AREA.

STORM SEWER STRUCTURE TABLE

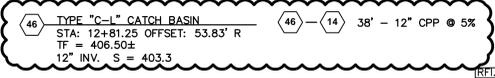
RF1.0037	1	TYPE "C" CATCH BASIN STA: 16+92.16 OFFSET: 40.85' L TF = 410.28± 12" INV. = 406.28	1-3	98' - 12" CPP @ 1%
RF1.0037	2	TYPE "C" CATCH BASIN STA: 15+27.47 OFFSET: 24.18' R TF = 413.00± 12" INV. = 407.14	2-4	98' - 12" CPP @ 1%
RF1.0037	3	TYPE "C" CATCH BASIN STA: 15+94.16 OFFSET: 40.85' L TF = 410.80± 12" INV. = 405.30	3-4	66' - 12" CPP @ 1%
RF1.0037	4	TYPE "C" CATCH BASIN STA: 15+35.9 OFFSET: 11.51' R TF = 411.44± 12" INV. N = 406.15 12" INV. W = 404.65 15" INV. S = 401.51	4-5	101' - 15" CPP @ 0.5%
RF1.0037	5	TYPE "C-L" CATCH BASIN STA: 14+31.37' OFFSET: 11.15' L TF = 410.36± 15" INV. N = 401.0 18" INV. S = 401.0	5-6	99' - 15" CPP @ 1.0%
RF1.0037	6	TYPE "C" CATCH BASIN STA: 13+34.51' OFFSET: 11.13 R TF = 408.25± 15" INV. NW = 400± 18" INV. S = 400±	6-45	48' - 18" CPP @ 0.5%
	7	AREA DRAIN STA: 12+91.54 OFFSET: 125.07 L TF = 409.30± 12" INV. NW = 404.98 12" INV. E = 404.98 8" INV. SW = 404.98	7-41	52' - 15" CPP @ 0.5%
RF1.0037	8	TYPE "C" DOUBLE GRATE CATCH BASIN (TYPE II) STA: 14+09.72 OFFSET: 11.15 R TF = 407.92± 18" INV. N = 399.54 24" INV. SE = 399.54	8-14	26' - 24" CPP @ 2.1% *
	9	STORM MANHOLE STA: 11+87.81 OFFSET: 20.44 L TF = 408.80± 6" INV. NW = 406.00 6" INV. SW = 404.60 8" INV. W = 404.00 12" INV. SE = 400.30	9-10	85' - 12" CPP @ 1.0% *
	10	TYPE "C-L" CATCH BASIN STA: 11+31.14 OFFSET: 46.48 R TF = 405.60± 12" INV. NW = 398.40 12" INV. E = 398.40	10-14	20' - 12" CPP @ 1.0% *
	11	TYPE "C" DOUBLE GRATE CATCH BASIN (TYPE II) STA: 11+70.96 OFFSET: 139.94 R STA: 22+31.15 TF = 405.33± 12" INV. SW = 402.30	11-14	10' - 12" CPP @ 19.0%
	12	TYPE "C" CATCH BASIN STA: 10+28.95 OFFSET: 40.03 L TF = 406.50± 12" INV. E = 403.20	12-13	52' - 12" CPP @ 3.5% *
	13	TYPE "C" CATCH BASIN STA: 10+21.47 OFFSET: 11.15 R TF = 404.50± 12" INV. W = 401.30 12" INV. NE = 401.30	13-14	76' - 12" CPP @ 1.1% *
	14	UNDERGROUND DETENTION - EAST STA: 10+79.83 OFFSET: 84.73 R TF = 406.00± 12" INV. E = 400.40 12" INV. SW = 400.40 12" INV. W = 398.20 24" INV. N = 399.00 18" INV. E = 398.00	14-15	22' - 18" CPP @ 2.3% *
RF1.0037	15	MANHOLE STA: 10+95.42 OFFSET: 159.12 R TF = 405.00± 18" INV. SW = 396.90 15" INV. SE = 395.10	15-E2	22' - 15" CPP @ 5.0% *
	16	CONNECTION TO BUILDING 8" INV. NW = 407.50 COORDINATE CONNECTION WITH MEP PLANS	16-17	146' - 8" CPP @ 2.0%
	17	TYPE "C" CATCH BASIN STA: 32+45.15 OFFSET: 49.06 L TF = 408.20± 8" INV. N = 404.63 12" INV. W = 402.20 12" INV. SE = 402.20	17-19	104' - 12" CPP @ 1.0%
	18	TYPE "C" CATCH BASIN STA: 32+87.44 OFFSET: 9.53 R TF = 408.40± 12" INV. NW = 402.90	18-17	73' - 12" CPP @ 0.96%
RF1.0027	19	STORM MANHOLE STA: 31+47.50 OFFSET: 37.53L TF = 408.20± 12" INV. W = 402.50 12" INV. W = 401.20 12" INV. SE = 401.15	19-36	173' - 12" CPP @ 2%
	36	STORM MANHOLE TF = 402.70 ± 6" INV. NE = 397.45 6" INV. NE = 397.60 12" INV. NW = 397.70	36-20	43' - 12" CPP @ 1.9%

STORM SEWER STRUCTURE TABLE

	20	TYPE "C" CATCH BASIN STA: 29+74.10 OFFSET: 11.15 R TF = 401.70± 12" INV. E = 396.88 15" INV. N = 396.88	20-22	153' - 15" CPP @ 0.5%
	21	TYPE "C-L" CATCH BASIN STA: 28+31.17 OFFSET: 167.98 L TF = 406.80± 12" INV. NE = 403.30 12" INV. SW = 403.30	21-22	129' - 12" CPP @ 4.3%
	37	Convert exist catch basin to STORM MANHOLE TF = 407.50± 8" INV. NE = 404.66 8" INV. SE = 404.61 12" INV. E = 403.96 12" INV. NW = 403.96	37-21	28' - 12" CPP @ 2.4%
	22	TYPE "C" CATCH BASIN STA: 28+30.55 OFFSET: 39.69 L TF = 402.20± 6" INV. NE = 397.54 12" INV. NE = 397.79 12" INV. NE = 397.70 15" INV. SE = 396.10 15" INV. NW = 396.10	22-23	147' - 15" CPP @ 2.1%
	23	Convert exist catch basin to STORM MANHOLE TF = 397.00± 12" INV. NE = 397.24 15" INV. SE = 392.99 18" INV. N = 392.24	23-25	104' - 18" CPP @ 0.7% *
	24	TYPE "C" DOUBLE GRATE CATCH BASIN (TYPE II) STA: 26+62.35 OFFSET: 11.08 R TF = 395.50± 15" INV. NW = 392.05	24-25	103' - 15" CPP @ 0.5% *
	25	TYPE "C" CATCH BASIN STA: 25+78.28 OFFSET: 29.35 R TF = 399.90± 15" INV. SW = 391.50 18" INV. S = 391.50 24" INV. N = 391.50	25-33	35' - 24" CPP @ 2.5% *
RF1.0037	26	TYPE "C" CATCH BASIN STA: 18+27.72 OFFSET: 11.14' R TF = 411.0± 12" INV. SW = 407.60	26-27	55' - 12" CPP @ 1%
	27	TYPE "C" CATCH BASIN STA: 18+81.31 OFFSET: 11.86 L TF = 410.50± 12" INV. NE = 407.30 15" INV. SW = 407.05	27-28	212' - 15" CPP @ 0.7%
	28	TYPE "C" CATCH BASIN STA: 21+10.94 OFFSET: 29.15 R TF = 409.60± 15" INV. NE = 405.55 15" INV. W = 401.80	28-31	93' - 15" CPP @ 10.0% *
	29	TYPE "C" CATCH BASIN STA: 22+83.57 OFFSET: 29.16 R TF = 409.35± 15" INV. SW = 401.91	29-30	149' - 15" CPP @ 3.5%
	30	TYPE "C" CATCH BASIN STA: 24+32.46 OFFSET: 29.26 R TF = 406.00± 10" INV. E = 403.02 15" INV. NE = 396.55 18" INV. W = 396.30	30-33	40' - 18" CPP @ 12.3%
	38	AREA DRAIN STA: 23+63.09 OFFSET: 24.08 L TF = 408.30± 10" INV. SE = 404.78 10" INV. W = 404.78	38-30	88' - 10" CPP @ 2.0%
	31	TYPE "C-L" CATCH BASIN STA: 20+60.88 OFFSET: 85.50 R TF = 396.00± 15" INV. SW = 392.50 15" INV. E = 392.50	31-33	176' - 15" CPP @ 0.6% *
	32	YARD DRAIN TO DETENTION STA: 25+44.33 OFFSET: 73.76 R TF = 398.50± (SEE DETAIL SHEET 13)		
RF1.0038	33	UNDERGROUND DETENTION - WEST STA: 24+28.74 OFFSET: 78.26 R TF = 401.00± 15" INV. NE = 391.70 18" INV. E = 391.40 24" INV. S = 390.64 24" INV. SW = 388.30	33-34	10' - 24" CPP @ 6.5% *
	34	MANHOLE STA: 23+70.83 OFFSET: 79.41 R TF = 399.00± 24" INV. NE = 387.65 18" INV. SW = 379.50	34-40	77' - 18" CPP @ 11.0%
	35	TYPE "C-L" CATCH BASIN STA: 25+88.86 OFFSET: 131.70 R TF = 377.00± 12" INV. SW = 373.75	35-40	74' - 12" CPP @ 3.0%
	40	Convert exist catch basin to TYPE "C-L" CATCH BASIN TF = 374.75± 12" INV. N = 371.50 18" INV. E = 371.00 18" INV. SW = 366.50	40-E4	34' - 18" CPP @ 10.2% *

STORM SEWER STRUCTURE TABLE

	41	AREA DRAIN STA: 13+07.02 OFFSET: 74.43 L TF = 409.30± 12" INV. SW = 404.72 12" INV. SE = 404.72	41-45	87' - 15" CPP @ 0.5%
	42	AREA DRAIN STA: 12+73.67 OFFSET: 156.15 L TF = 409.30± 8" INV. NE = 405.70	42-7	36' - 8" CPP @ 2.0%
	43	AREA DRAIN STA: 12+26.79 OFFSET: 71.71 L TF = 409.75± 8" INV. SE = 407.00	43-9	65' - 8" CPP @ 1.5%
	44	YARD DRAIN STA: 12+32.10 OFFSET: 228.93 L TF = 411.50± 8" INV. NE = 407.41	44-42	86' - 8" CPP @ 2.0%
RF1.0037	45	MANHOLE STA: 12+92.12 OFFSET: 12.24 R TF = 407.5± 18" INV. N = 399.75 18" INV. S = 399.75	45-8	41' - 18" CPP @ 0.5% *
	E2	Exist. Catch Basin TF = 397.45± 15" INV. NW = 392.66 15" INV. SW = 392.96 15" INV. NE = 392.76 15" INV. NW = 394.00		
	E4	Exist. Catch Basin TF = 399.02± 15" INV. W = 393.92 18" INV. W = 351.32 18" INV. NE = 363.02		



SANITARY SEWER STRUCTURE TABLE

	01	GREASE TRAP STA: 14+52.02 OFFSET: 2.11 L TF = 400.00± 12" INV. N = 410.80± 6" INV. SW = 405.55 6" INV. SE = 405.30	01-02	104' - 6" PVC SDR35 @ 2.2%
RF1.0037	02	SANITARY MANHOLE STA: 13+18.67 OFFSET: 20.18 R TF = 408.6± 6" INV. NW = 403.01 6" INV. SW = 403.01	02-03	152' - 6" PVC SDR35 @ 1.0%
RF1.0037	03	SANITARY MANHOLE STA: 12+44.47 OFFSET: 99.91 L TF = 409.4± 6" INV. NW = 401.49 6" INV. NE = 401.49 6" INV. SW = 401.49	03-04	57' - 6" PVC SDR35 @ .09%
RF1.0037	04	SANITARY MANHOLE STA: 11+44.47 OFFSET: 116.06 L TF = 410.40± 6" INV. SW = 406.14 6" INV. NE = 400.97 6" INV. SE = 400.97	04-05	109' - 6" PVC SDR35 @ 0.9%
RF1.0037	05	SANITARY MANHOLE STA: 11+44.47 OFFSET: 11.68 L TF = 408.6± 6" INV. SW = 400.02 6" INV. NW = 400.02	05-05A	59' - 6" PVC SDR35 @ 0.9%
RF1.0037	05A	SANITARY MANHOLE STA: 11+44.47 OFFSET: 5.36 L TF = 406.35± 6" INV. SW = 399.50 6" INV. NW = 399.50 6" INV. SE = 399.50	05A-06	62' - 6" PVC SDR35 @ 0.8%
RF1.0037	06	SANITARY MANHOLE STA: 10+51.38 OFFSET: 8.60 L TF = 405.75± 6" INV. NW = 399.01 6" INV. SW = 399.01	06-07	25' - 6" PVC SDR35 @ 1.0%
RF1.0037	07	SAN. DROP MANHOLE STA: 10+34.09 OFFSET: 25.37 L TF = 405.90± 6" INV. NE = 398.76		

* PROVIDE CPP WITH WATER TIGHT JOINTS

drawing title STORM SEWER STRUCTURE TABLE & DETAILS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
R E V I S I O N S		drawing prepared by DRUMMEY ROSANE ANDERSON, INC. WINDSOR, CONNECTICUT	
mark	date	description	date
RF1.0037	1/17/2014	Storm Sewer Revisions	10/23/2013
RF1.0039	1/17/2014	Sanitary Sewer Revisions	scale NTS
RF1.0027	1/17/2014	Storm Sewer Structure	drawn by KAV.BNS.LG
CAD no. CB.DWG		project RENOVATIONS AND ADDITIONS TO EMMETT O'BRIEN TECHNICAL HIGH SCHOOL ANSONIA, CONNECTICUT	approved by GRN
		project no. BI-R1-844-CMR	drawing no. C8



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500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067
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FUSCO CORPORATION - CONSTRUCTION MANAGER
Additions & Renovations to Emmett O' Brien
Technical High School
Ansonia, CT

BIDDER RFI FORM

RFI# 16

BIDDER REQUEST FOR INFORMATION

TO: Fusco Corporation
555 Long Wharf Dr.
New Haven, CT 06511
Phone 203-777-7451
Fax 203-782-0725
Attention: Mel Strauss
Project Manager

From: Shepard Steel

Must be requested not less than 7 days prior to bid date

Request Date: _____

Response Required By: ASAP

BP #: S.O

Trade: Structural Steel & Metal Decking

Reference: Drawing number: S2.O.H Detail: _____ Spec. Section: _____

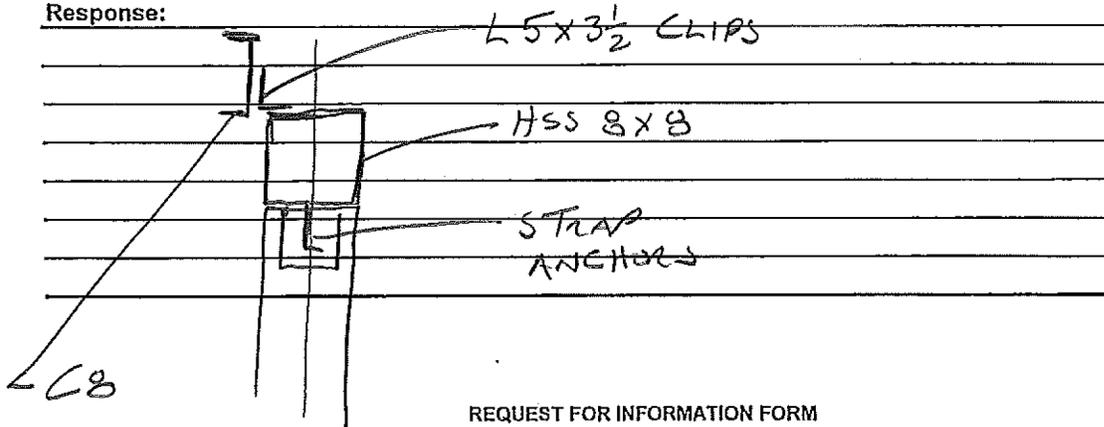
Information Requested:

Please provide a section cut of Note 1 on drawing S-2.O.H.

Response Date: 1/14/14

Respondent: PETER CELOLA

Response:





FUSCO CORPORATION - CONSTRUCTION MANAGER
Additions & Renovations to Emmett O' Brien
Technical High School
Ansonia, CT

BIDDER RFI FORM

RFI# 33

BIDDER REQUEST FOR INFORMATION

TO: Fusco Corporation
555 Long Wharf Dr.
New Haven, CT 06511
Phone 203-777-7451
Fax 203-782-0726
Attention: Mel Strauss
Project Manager

From: Shepard Steel

Must be requested not less than 7 days prior to bid date
Request Date: 1/17/14
Response Required By: ASAP

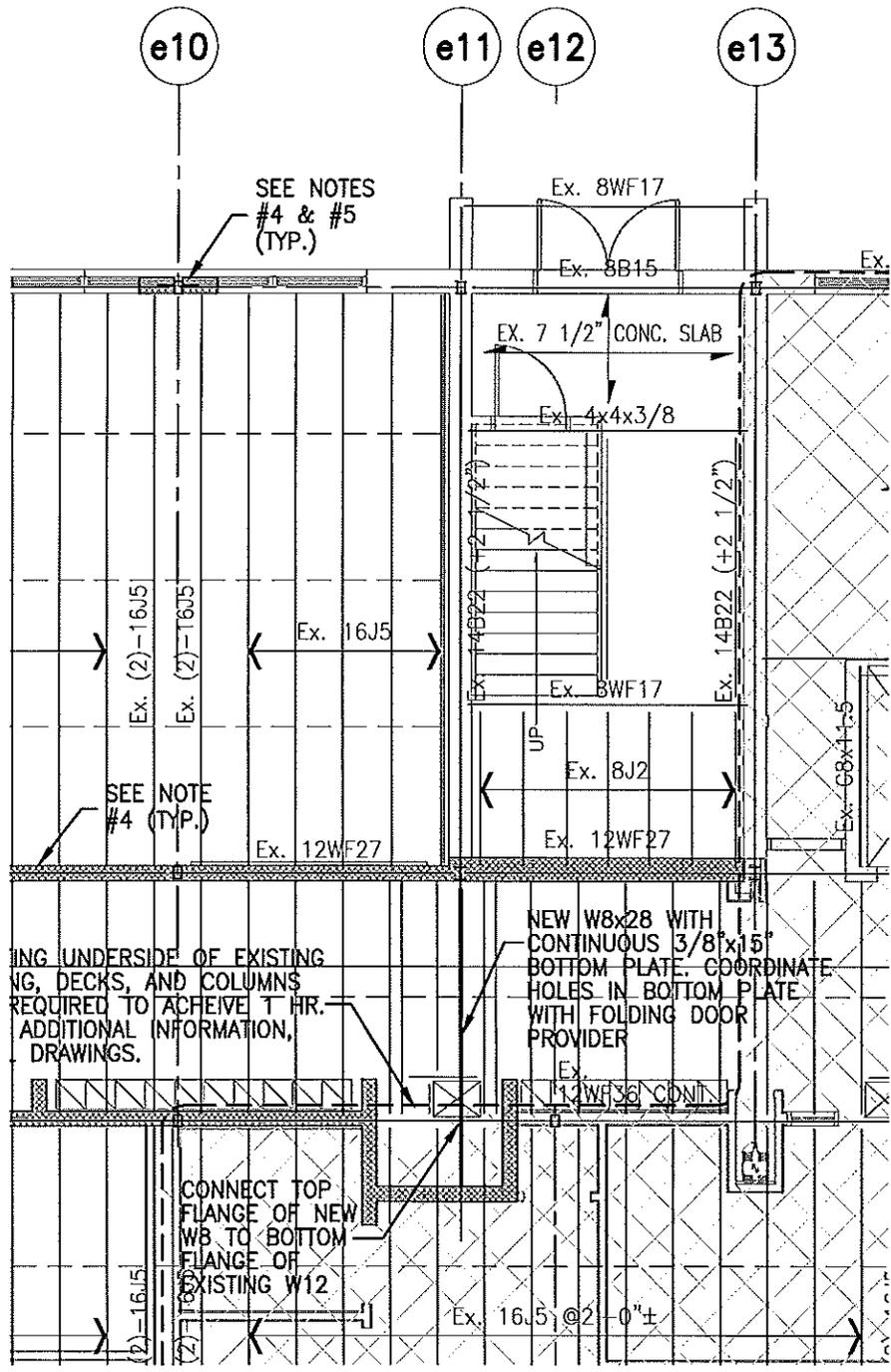
BP #: S.O
Trade: Structural Steel & Metal Decking

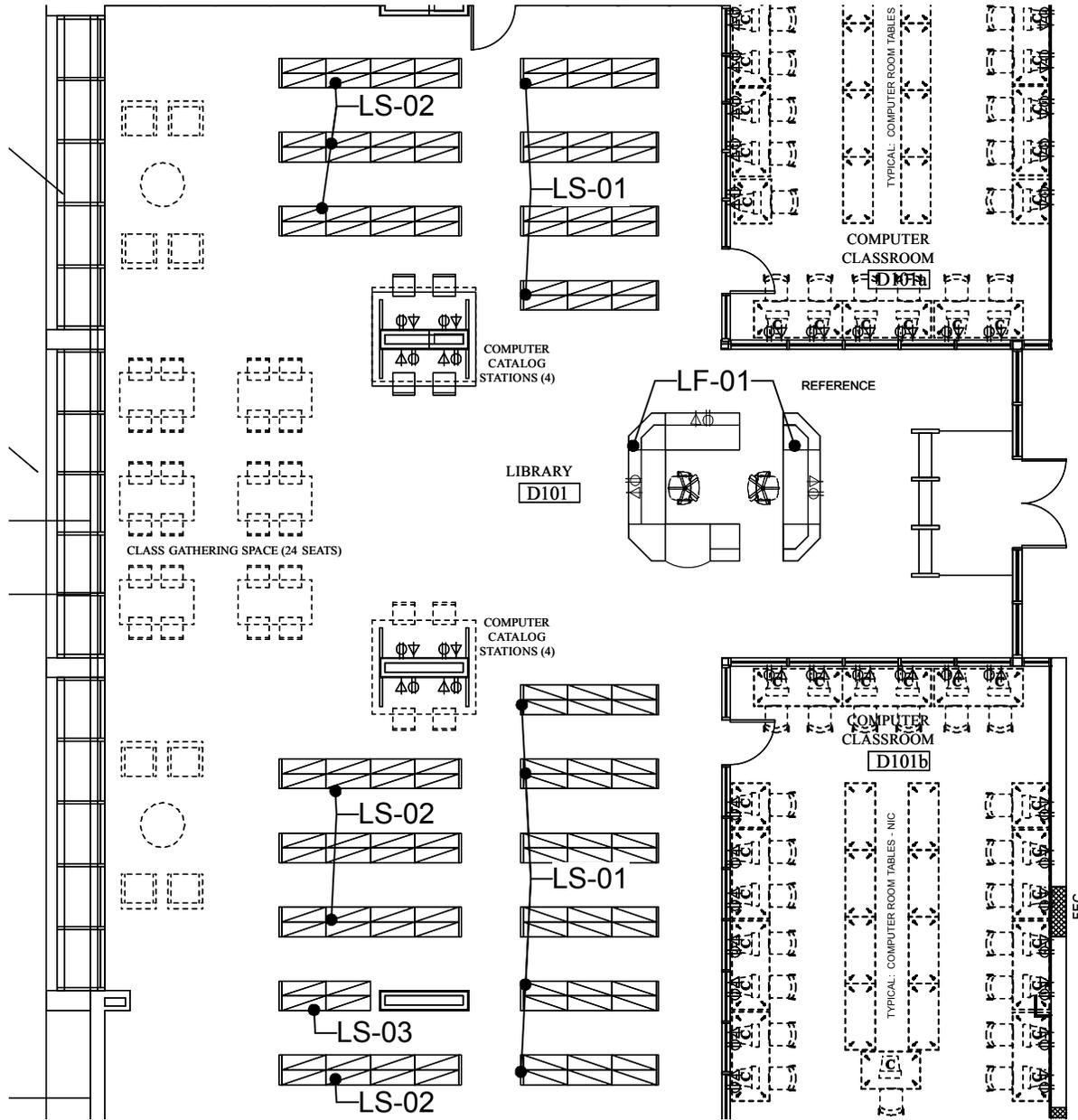
Reference: Drawing number: _____ Detail: _____ Spec. Section: Scope of Work

Information Requested: Structural Steel Scope of Work
Clarifications a. 26) states "include beam and all
structural steel for supporting operable partitions"
Please provide a detail / sketch of the structural
framing required for partition support. Also
the provide a location of the operable partition(s).

1/22/14
Response Date: _____ Respondent: PETER COLLA

Response:
SEE SKS-002





D·R·A

Drumme y Rosane Anderson, Inc.

Studio 205
225 Oakland Road
South Windsor, CT 06074
860-644-8300

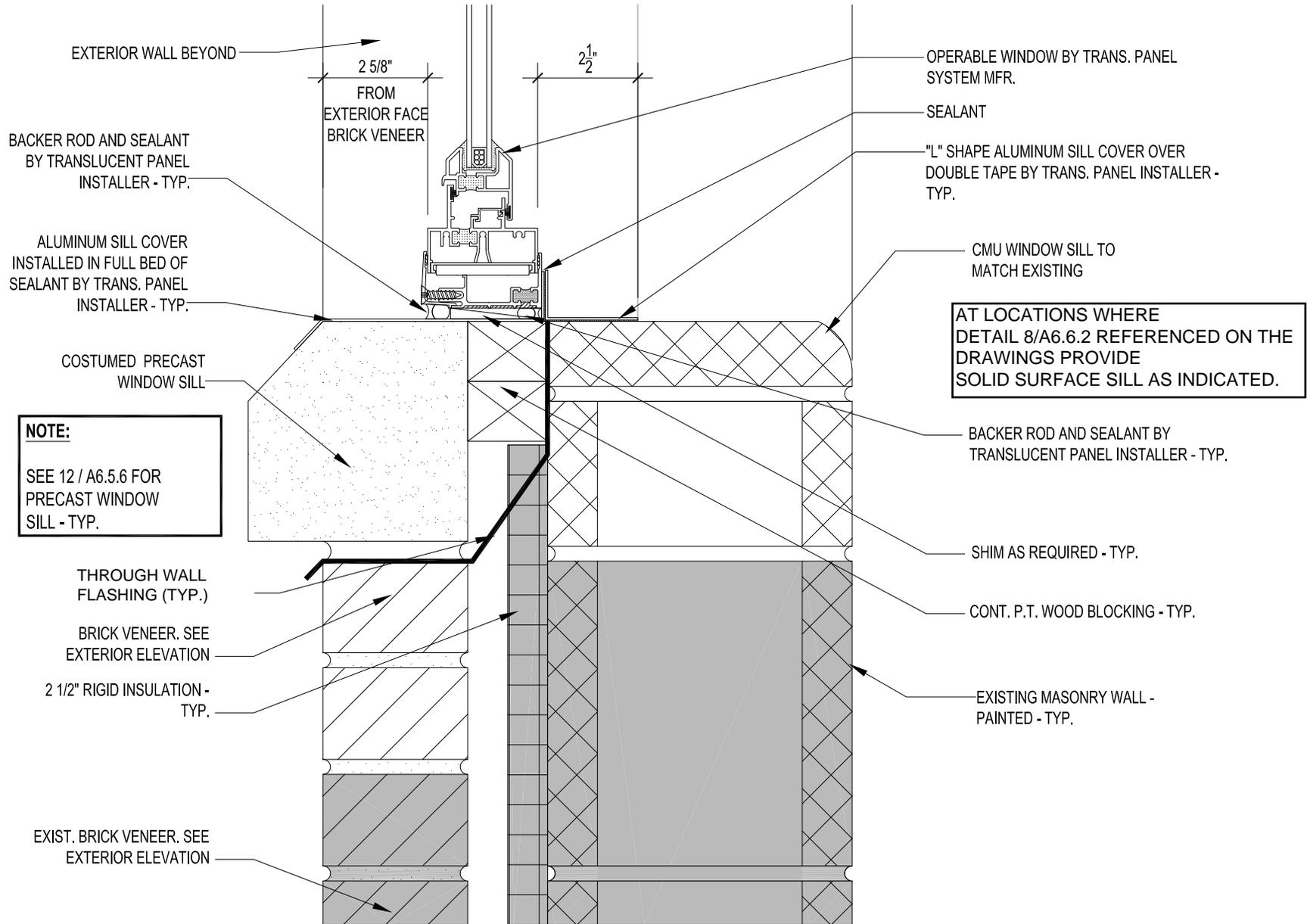
Emmett O'Brien Technical High School, Ansonia, Connecticut

Library Layout Clarification

SCALE | NTS
DRAWN BY | TDA
DCS No. | BI-RT-844-CMR
DATE | JAN. 21, 2014

REF. DWG #EQ-1
RFI #.0075

SKEQ-4



D·R·A

Drummey Rosane Anderson, Inc.
Studio 205
225 Oakland Road
South Windsor, CT 06074
860-644-8300

Emmett O'Brien Technical High School, Ansonia, Connecticut

WINDOW SILL DETAIL - 10A

SCALE | NTS
DRAWN BY | DRA
DCS No. | BI-RT-844-CMR
DATE | JAN. 23, 2014

Ref. A6.6.2
RFI # .00117

SKA-008

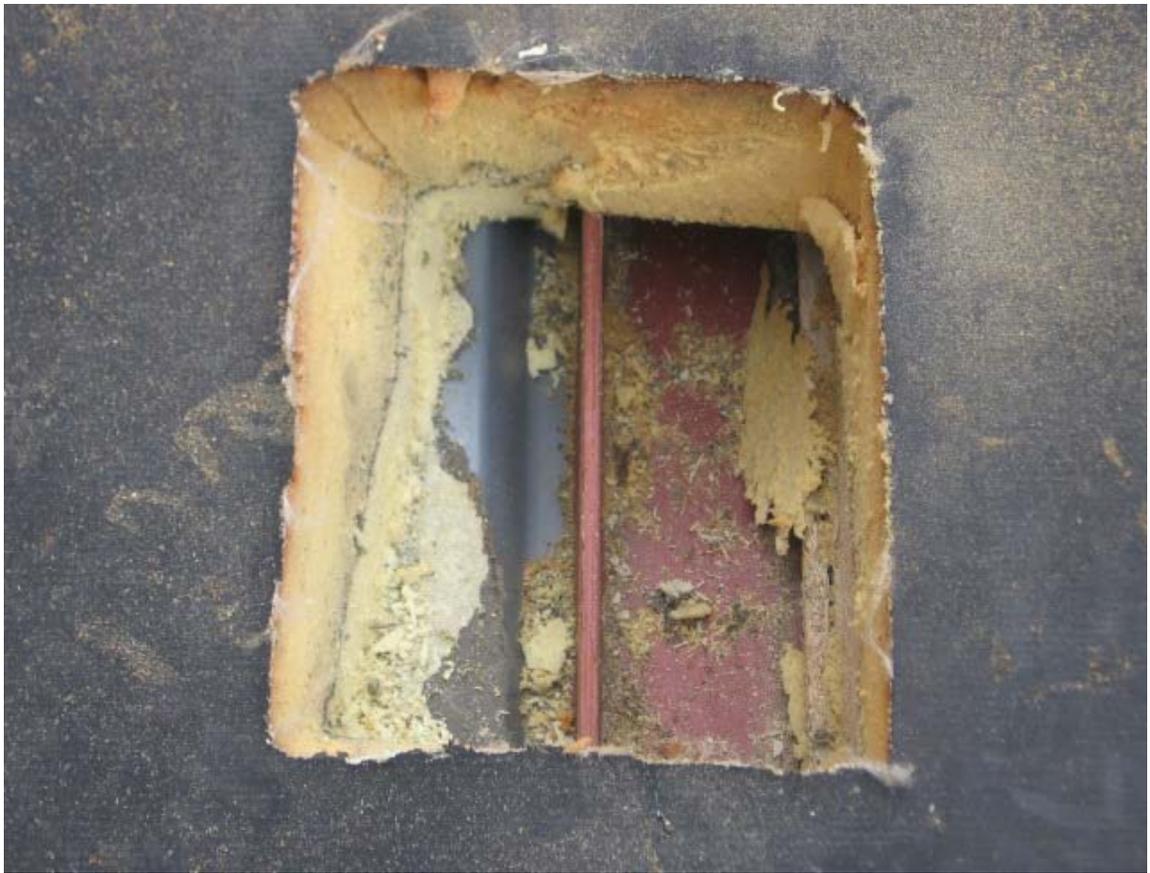










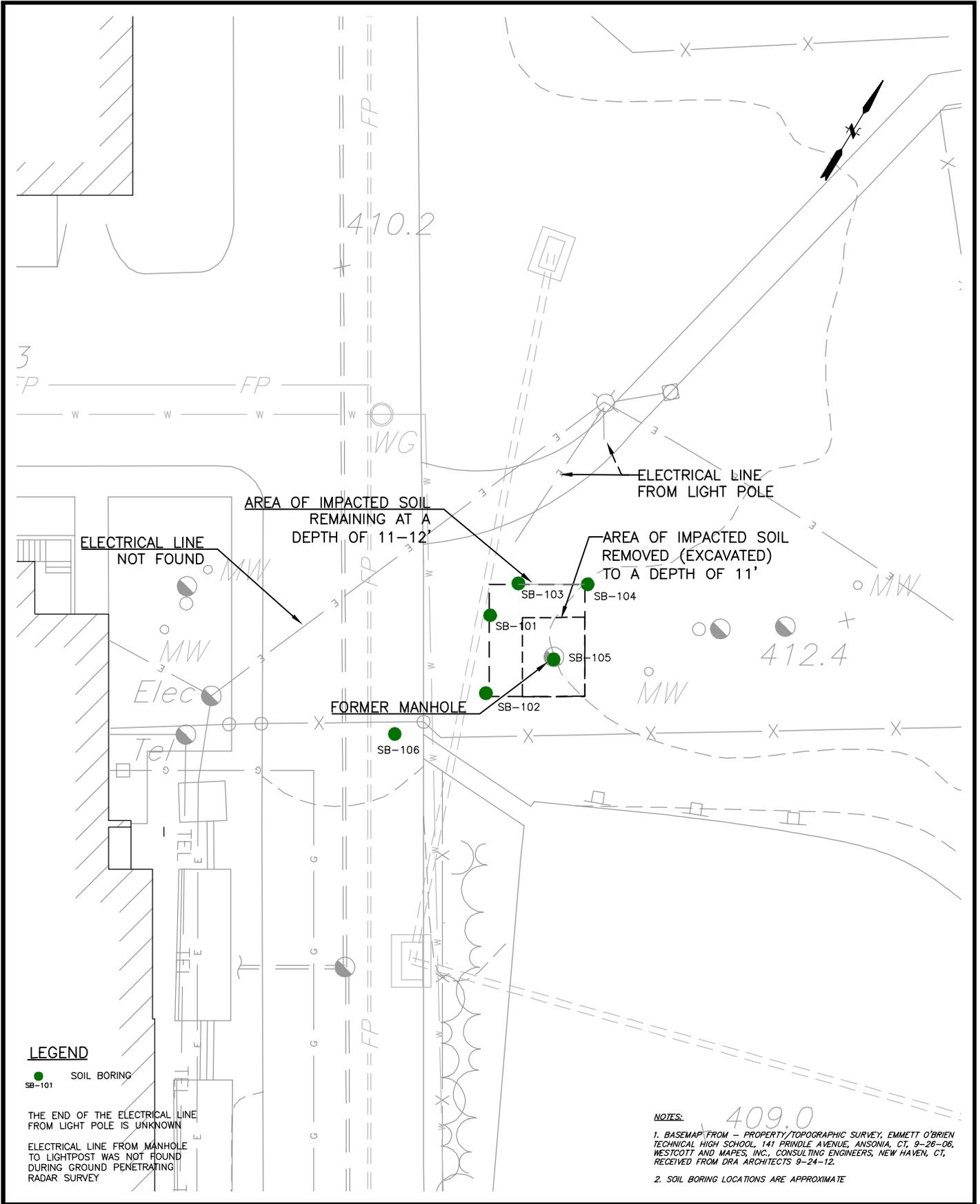












LEGEND

● SOIL BORING
 SB-101

THE END OF THE ELECTRICAL LINE FROM LIGHT POLE IS UNKNOWN

ELECTRICAL LINE FROM MANHOLE TO LIGHTPOST WAS NOT FOUND DURING GROUND PENETRATING RADAR SURVEY

NOTES:

1. BASEMAP FROM - PROPERTY/TOPOGRAPHIC SURVEY, EMMETT O'BRIEN TECHNICAL HIGH SCHOOL, 141 PRINDLE AVENUE, ANSONIA, CT, 9-26-06, WESTCOTT AND MAPES, INC., CONSULTING ENGINEERS, NEW HAVEN, CT, RECEIVED FROM DRA ARCHITECTS 9-24-12.
2. SOIL BORING LOCATIONS ARE APPROXIMATE

SCALE:	
HORZ.:	1" = 20'
VERT.:	
DATUM:	
HORZ.:	
VERT.:	
GRAPHIC SCALE	



FUSS & O'NEILL

146 HARTFORD ROAD
 MANCHESTER, CONNECTICUT 06040
 860.646.2469
 www.fando.com

DEPARTMENT OF CONSTRUCTION SERVICES

AREA OF IMPACTED SOIL
 FORMER MANHOLE

EMMETT O'BRIEN TECHNICAL SCHOOL

ANSONIA

CONNECTICUT

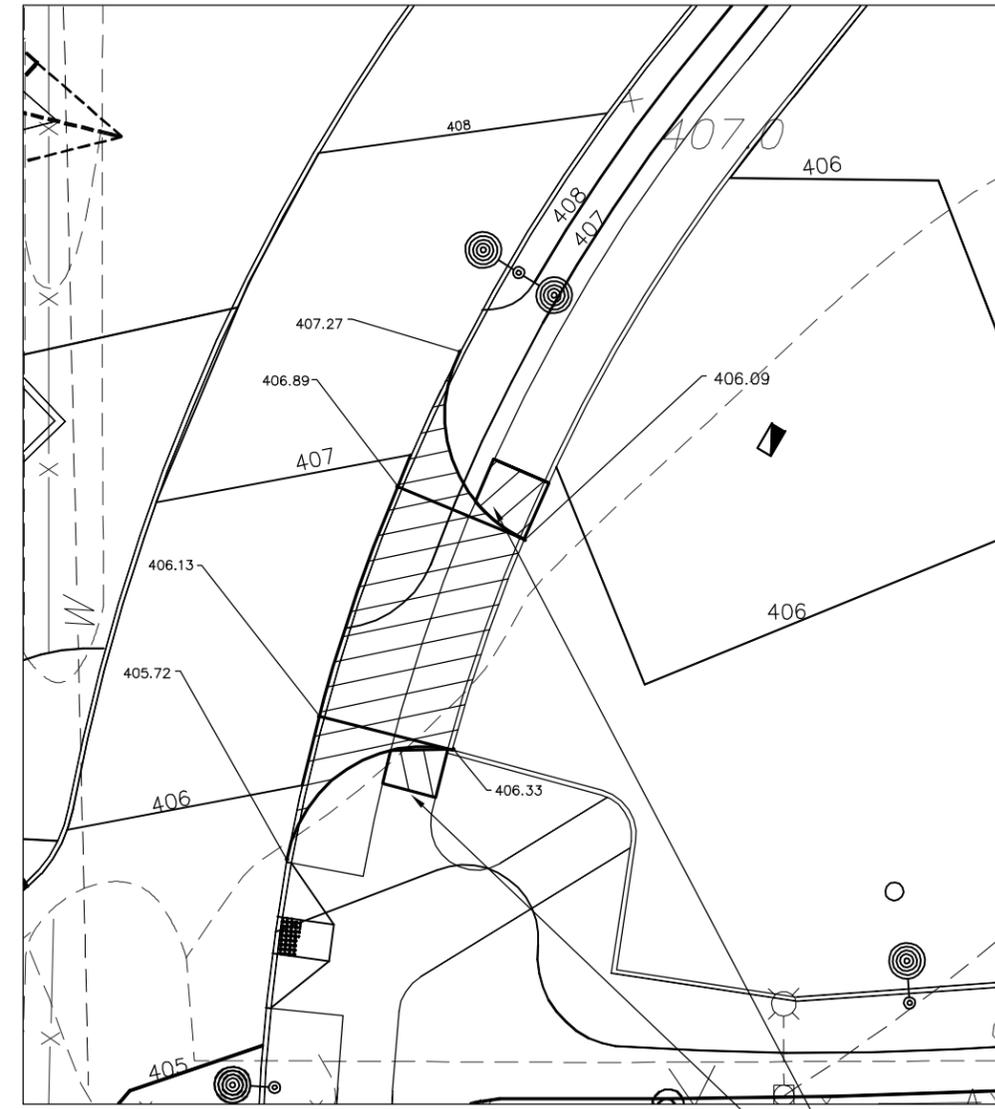
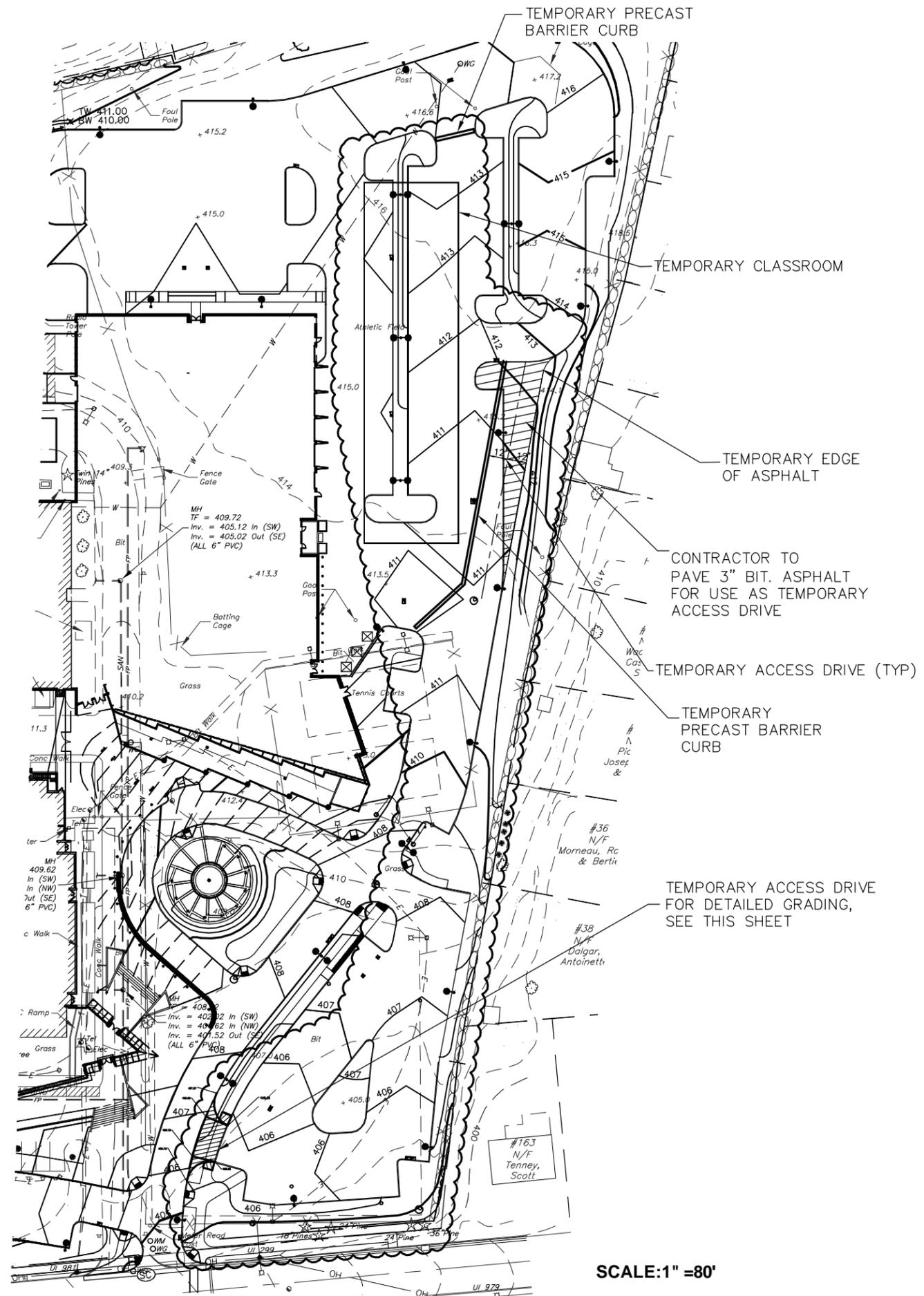
PROJ. No.: 20080164A40
 DATE: JANUARY 2014

FIGURE 1

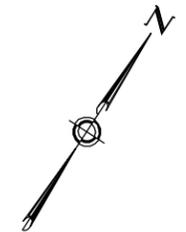
EMMETT O'BRIEN TECHNICAL HIGH SCHOOL
 BID PACKAGE SCOPE REVIEW SCHEDULE
 JANUARY 24, 2014

Bid Package	Bid Package Description	Day	Date	Time
02.0	Demolition & Hazardous Material Abatement	Monday	3-Feb-14	8:00 AM
03.0	Cast-In-Place Concrete	Monday	3-Feb-14	10:00 AM
04.0	Masonry & Precast	Monday	3-Feb-14	12:30 PM
05.0	Structural Steel & Metal Decking	Monday	3-Feb-14	2:00 PM
05.1**	Metal Fabrications	Monday	3-Feb-14	3:30 PM
06.0	General Trades	Tuesday	4-Feb-14	8:00 AM
06.1	Millwork & Lab Casework	Tuesday	4-Feb-14	10:00 AM
07.0	Roofing	Tuesday	4-Feb-14	1:00 PM
07.1	Metal Wall & Roof Panels	Tuesday	4-Feb-14	2:30 PM
08.0	Glass & Glazing	Wednesday	5-Feb-14	8:00 AM
08.1	Doors, Frames & Hardware	Wednesday	5-Feb-14	10:00 AM
08.2	Special Doors	Wednesday	5-Feb-14	1:00 PM
11.0	Food Service Equipment	Wednesday	5-Feb-14	2:30 PM
21.0*	Fire Suppression	Thursday	6-Feb-14	8:00 AM
22.0	Plumbing & HVAC	Thursday	6-Feb-14	10:00 AM
26.0	Electrical	Thursday	6-Feb-14	1:00 PM
26.1**	Site Lighting	Thursday	6-Feb-14	2:30 PM
11.1	Industrial Shop Equipment	Friday	7-Feb-14	8:00 AM
13.0	Temporary Modular Classrooms	Friday	7-Feb-14	10:00 AM
31.0	Sitework	Monday	10-Feb-14	10:00 AM
31.1*	Fences & Gates	Monday	10-Feb-14	1:00 PM
31.2**	Landscaping	Monday	10-Feb-14	2:30 PM
31.4*	Ford St Athletic Fields	Monday	10-Feb-14	2:30 PM
09.0*	Ceramic Tile & Quarry Tile	Tuesday	11-Feb-14	8:00 AM
09.1*	Terrazzo	Tuesday	11-Feb-14	10:00 AM
09.2*	Wood Flooring	Tuesday	11-Feb-14	1:00 PM
09.3*	Athletic and Resilient Floors	Tuesday	11-Feb-14	2:30 PM
09.4*	Special Flooring	Wednesday	12-Feb-14	8:00 AM
09.5*	Acoustical Ceilings	Wednesday	12-Feb-14	10:00 AM
09.6**	Painting, Wall Coverings & Fireproofing	Wednesday	12-Feb-14	1:00 PM
10.0*	Signage	Wednesday	12-Feb-14	2:30 PM
10.1*	Toilet Compartments & Accessories	Thursday	13-Feb-14	8:00 AM
10.2*	Lockers & Benches	Thursday	13-Feb-14	9:00 AM
12.0*	Window Treatments	Thursday	13-Feb-14	10:00 AM
1.1**	Final Cleaning	Thursday	13-Feb-14	1:00 PM
1.2**	Uniformed Security \$32.78/hr	Thursday	13-Feb-14	2:00 PM

EMMETT O'BRIEN TECHNICAL HIGH SCHOOL
BID PACKAGE SCOPE REVIEW SCHEDULE
JANUARY 24, 2014



TEMPORARY SIDEWALK REMOVE AND REINSTALL APPROXIMATE 5' OF TEMPORARY WALK WITH FINAL INSTALLATION



Emmett O'Brien Technical High School, Ansonia, Connecticut PHASE 2 TEMPORARY ACCESS PLAN	REF. DWG6 RFI # ???	SKC-004
	SCALE AS NOTED DRAWN BY DRA DCS No. BI-RT-844-CMR DATE JAN. 14, 2014	SCALE AS NOTED DRAWN BY DRA DCS No. BI-RT-844-CMR DATE JAN. 14, 2014
Drummy Rosane Anderson, Inc. Studio 205 225 Oakland Road South Windsor, CT 06074 860-644-8300		



CT Project No.: BI-RT-844-CM-R

**Renovations and Additions to
Emmett O'Brien Technical High School**
Ansonia, CT

**Design Team Modifications to Contract Documents
To be Issued as a part of Addendum No.3**

January 23, 2014

The original Specifications and Drawings dated October 23, 2013, Addendum No.1 dated January 13, 2014 and Addendum No.2 dated January 15, 2014 for the above-captioned project are amended as stated in this document. Note that responses to Bidder Request for Information (RFI's) for the above-captioned project amend the original Specifications and Drawings. This document consists of 12 pages, plus the following attachments.

ATTACHMENTS

PROJECT MANUAL

Section 13 34 16.56, Bleachers	(2 pages)
Section 04 42 13, Masonry Supported Stone	(10 pages)
Section 32 33 00, Site Improvements	(2 pages)

SITE DRAWINGS

L3.4, Site Layout Enlargement	(1 page)
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SITE SKETCHES

SKL-001, SKL-003	(2 pages)
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CIVIL SKETCHES

SKC-002, SKC-004 and SKC-005	(3 pages)
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ARCHITECTURAL SKETCHES

SKA-001 thru SKA-006	(6 pages)
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TRADE EQUIPMENT SKETCHES

SKEQ-1 thru SKEQ-3, SKEQ-5	(4 pages)
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STRUCTURAL SKETCHES

SKS-001	(1 page)
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PLUMBING DRAWINGS

P1.1.1D	(1 page)
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PLUMBING SKETCHES

SKP-004 and SKP--005	(2 pages)
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MECHANICAL DRAWINGS M1.1.1D AND M1.1.1H	(2 pages)
MECHANICAL SKETCHES SKM-008 thru SKM-010	(3 pages)
ELECTRICAL SKETCHES SKE-006 and SKE-007	(2 pages)

AMENDMENTS TO PROJECT MANUAL

- ADD 3-001 Section 00 01 10, TABLE OF CONTENTS**
Page 8, INSERT new line before Section 13 34 23 as follows:
"Section 13 34 16.56, Bleachers"

Page 12, INSERT new line after Section 32 32 19 as follows:
"Section 32 33 00, Site Improvements"

DIVISION 04 – MASONRY

- ADD 3-002 SECTION 04 42 13 – MASONRY-SUPPORTED STONE CLADDING**
DELETE this section in its entirety and REPLACE with attached Section 04 42 13

DIVISION 06 – WOOD, PLASTIC AND COMPOSITES

- ADD 3-003 SECTION 06 20 00 – FINISH CARPENTRY**
Page 06 20 00 – 1 thru 06 20 00 - 6, REVISE all references to "AWI" to read "AWS".
AWS shall mean "Architectural Woodwork Standards (AWS), Edition 1, 2009".

Page 06 20 00 – 2, Article 1.4, Paragraph A, REVISE Subparagraph 1 and associated sub-subparagraphs to read:
"1. Architectural Woodwork Standards (AWS), Edition 1, 2009.
a. AWS Section 3 – Lumber.
b. AWS Section 4 – Sheet Products.
c. AWS Section 5 – Finishing."

Page 06 20 00 – 3, Article 2.2, REVISE Paragraph C to read:
"C. Shelving to receive opaque finish: 3/4 inch thick hardwood veneer plywood.
HPVA Grade C or better, with 3/8 inch hardwood edge banding at all edges."
- ADD 3-004 Section 06 40 00 – Architectural Woodwork**
Page 06 40 00 – 4, Article 2.2, REVISE Paragraph B to read:
"B. Veneer Backing:
1. Particleboard shall be ANSI 208.1 – Grade M2 or better; or Medium-Density Fiberboard (MDF) ANSI 208.2.
2. Where wood veneer wall surfing is a part of fire-rated assembly, use fire-retardant treated backing particleboard or medium density fiberboard (MDF). Refer to the Code Analysis Drawings for locations of existing and new fire rated walls.
3. No exposed puttied nail connections shall be allowed, dowel and glue only."

Page 06 40 00 – 5, Article 2.3, Paragraph B. DELETE Subparagraph 2 in its entirety.

Page 06 40 00 – 5, Article 2.3, REVISE Paragraph D to read:
"D. Edging for plastic laminated shelving: 3mm PVC edgeband."

Page 06 40 00 – 10, Article 2.10, Paragraph B, REVISE the 3rd line to read
: "...workmanship standards set forth in the AWS for specified..."

Page 06 40 00 – 10, Article 2.10, Paragraph C, INSERT the new subparagraphs as follows:

1. Particleboard shall be ANSI 208.1 – Grade M2 or better; or Medium-Density Fiberboard (MDF) ANSI 208.2.
2. Moisture Resistant Medium Density Fiberboard (MR MDF): thickness(es) as indicated. (Use where countertop is subject to water/moisture)
 - a. Typical: shall be industrial grade, composite core panel made from formaldehyde-free adhesive and 100% post-industrial recycled wood fiber and/or agrifiber, meets or exceeds the performance property requirements of ANSI A208-2, equal to:
 - 1). "Medex" as manufactured by SierraPine, Roseville, CA, as approved by Architect.
 - 2). Moisture Resistant MDF: "Premier Plus MR MDF" as manufactured by Flakeboard.
 - 3). "Extira" as manufactured by CMI, Chicago, IL."

Page 06 40 00 – 11, Article 2.11, Paragraph A, Subparagraph 1, REVISE the words "Section 12350 – Modular Casework" to read "Division 12 Section 'Manufactured Wood Veneer Faced Casework'".

Page 06 40 00 – 11, Article 2.11, Paragraph A, Subparagraph 2, REVISE the words "Section 12350" to read "Division 12 Section 'Manufactured Wood Veneer Faced Casework'".

Page 06 40 00 – 11, Article 3.3, REVISE Paragraph A to read:

- A. Install woodwork in accordance with specified quality grades of Architectural Woodwork Standards. Edition 1, 2009."

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

ADD 3-005 Section 07 53 23 – Fully Adhered EPDM Roofing System

Page 07 53 23 – 7, Article 2.3, Paragraph A, REVSE the words "1/2 inch" to read "5/8 inch" in the 2nd line.

Page 07 53 23 – 7, Article 2.3, Paragraph A, Subparagraph 1, REVSE the words "1/2 inch" to read "5/8 inch".

Page 07 53 23, Article 2.4, Paragraph A, REVISE Subparagraph 5 to read:

5. Thermal Values: roof insulation shall consist of two layers with staggered joints. All joints shall be sealed with compatible sprayed-on insulation.
 - a. Bottom layer insulation: 2.00 inch minimum thickness with LTTR R-value no less than 11.4
 - b. Top layer insulation: 1.50 inch minimum thickness with LTTR R-value no less than 8.6
 - c. The above deck roof system assembly shall achieve max. U-Factor of U-0.048 in accordance with 2009 International Energy Conservation Code, Table 502.1.2 Building Envelope Requirements."

DIVISION 08 – OPENINGS

- ADD 3-006 SECTION 084500 – INSULATED TRANSLUCENT PANEL WALL SYSTEM**
Page 2, Article 1.5, Paragraph B, ADD sub-paragraphs 2 & 3 per the following:
“2. Light transmitting plastic glazing shall meet the requirements of Section 2606 and Section 2608 as defined the 2005 Connecticut State Building Code.
3. Light transmitting plastic panels shall have a self-ignition temperature of 650 degrees Fahrenheit or greater where tested in accordance with ASTM D 1929; a smoke-development index not greater than 450 where tested in the manner intended for use in accordance with ASTM E 84, or not greater than 75 where tested in the thickness intended for use in accordance with ASTM D 2843 as defined by Section 2606 of the 2005 Connecticut State Building Code.”
- ADD 3-007 SECTION 084523 – INSULATED TRANSLUCENT PANEL SKYLIGHT SYSTEM**
Page 2, Article 1.6, Paragraph A, sub-paragraph 3, REPLACE sub-sub paragraph with the following:
“a. Live Load: 200 psf - 2005 Connecticut State Build Code, Table 1607.1, Item 31.”
- ADD 3-008 SECTION 084523 – INSULATED TRANSLUCENT PANEL SKYLIGHT SYSTEM**
Page 2, Article 1.6, Paragraph A, ADD subparagraphs 4 thru 6 per the following:
“4. Skylight system shall meet the requirements of Section 2610, Light-Transmitting Plastic Skylight Glazing as defined the 2005 Connecticut State Building Code.
5. Light transmitting plastic panels shall meet “Class CC1” classification as defined by Section 2606 of the 2005 Connecticut State Building Code.
6. Light transmitting plastic panels shall have a self-ignition temperature of 650 degrees Fahrenheit or greater where tested in accordance with ASTM D 1929; a smoke-development index not greater than 450 where tested in the manner intended for use in accordance with ASTM E 84, or not greater than 75 where tested in the thickness intended for use in accordance with ASTM D 2843 as defined by Section 2606 of the 2005 Connecticut State Building Code.”

DIVISION 09 – FINISHES

- ADD 3-009 SECTION 096800 – CARPET**
Page 2, Article 1.4, Paragraph A, ADD sub-paragraph 8 per the following:
“8. 2003 ICC/ANSI A117.1, Sections 302 & 303.”
- ADD 3-010 SECTION 096566 – RUBBER ATHLETIC FLOORING**
Page 1, Article 1.4, Paragraph A, ADD sub-paragraph 4 per the following:
“4. NFPA 253 – Standard Method of Test for Critical Radiant Flux of Floor Coverings Systems: Class 1.”

DIVISION 11 – FIXED CASEWORK AND EQUIPMENT

- ADD 3-011 SECTION 114000 – FOOD SERVICE EQUIPMENT**
Page 19, Article 2.4, Item 41, Walk-In Cooler, under the “Materials” description ADD the following:
“Cooler and Freezer walls shall meet Chapter 26, Plastics, of the 2005 Connecticut State Building Code. Products shall have frame spread index of 25 or less and a smoke development index of not more than 450, where tested in a minimum 4 inch thickness per ASTM E84. These shall have a flash ignition and self-ignition temperature of not less than 600 degrees F and 800 degrees F respectively.”
- ADD 3-012 SECTION 116000 – FIXED CASEWORK AND EQUIPMENT**
Change to section 116000 2.1A the following language:
Change from rift cut to rotary cut.

- ADD 3-013 SECTION 116000 – FIXED CASEWORK AND EQUIPMENT**
Add to section 116000 2.6H the following language:
Equipment sub contractor shall match wood finish supplied by Architect. Equipment Sub-Contractor shall submit two (2) 8" x 10" finish samples for approval.
- ADD 3-014 SECTION 116000 – FIXED CASEWORK AND EQUIPMENT**
Page 5, Article 2.5, Paragraph A, DELETE following language:
"plastic laminated faced door and drawer fronts. Plastic for door and drawer fronts shall be best grade 0.03" thick, vertical grade, high pressure plastic laminate as manufactured by Formica, Nevemar, or Wilsonart. Plastic finish pattern and colors shall be selected by the Architect from the full range of Formica, Nevemar or Wilsonart colors available from the laminate manufacturer."
- ADD 3-015 SECTION 116000 – FIXED CASEWORK AND EQUIPMENT**
Page 5, Article 2.5, Paragraph A, ADD the following language:
"Door and drawer fronts shall be Red Oak veneer as selected by the Architect."
- ADD 3-016 SECTION 116000 – FIXED CASEWORK AND EQUIPMENT**
Add four RF24 Undercounter Refrigerators to the following rooms:
Work/Copy Area #A103
Workroom/Supply #B109
Exam Room #B108C
Teacher's Lounge #F101D
- ADD 3-017 SECTION 116000 – FIXED CASEWORK AND EQUIPMENT**
Section 116000, Add the following RF24 description:
"Undercounter Refrigerator, equal to Marvel #61RF, 24"L x 23-3/4"D x 34-1/2"H, provided with removable wire shelves and in-door storage. Interior liners shall be of vacuum formed polystyrene for easy cleaning, with foamed-in-place polyurethane insulation. Door latch shall be magnetic and provided with a lock. Exterior finish of unit shall be stippled, plastic film laminated over a steel substrate. Unit shall be provided with a cord and plug; and stainless steel door front."
- ADD 3-018 SECTION 116000 – FIXED CASEWORK AND EQUIPMENT**
ADD the following RF36 description:
"Refrigerator/Freezer, Side-by-Side, with Dispenser, equal to General Electric #PSHS6PGZSS, 35-3/4"W x 35"D x 69-1/4"H, 16.1 cu. ft. fresh food capacity, 9.81 cu. ft. capacity. Provide side-by-side refrigerator/freezer with dispenser complete with standard construction, features and accessories, including stainless steel crown doors with hidden hinges; ENERGY STAR and ADA Compliant; 25.9 cu. ft. total capacity; front corner leveling system; NeverClean condenser; removable door gaskets; ClimateKeeper System with electronic controls, multiple electronic sensors and a multi-flow air system; integrated dispenser with LED lighting and UltraFlow 64; angled all LED lighting in fresh food and freezer; Arctica icemaker that holds up to 10 lbs. of ice; Slide 'n Store Freezer baskets; TurboCool setting that restores proper temperature to the refrigerator; Quick Ice setting; adjustable ClearLock door bins; adjustable, slide-out spillproof glass shelves; and water filtration with six-month filter. Dispenser shall be provided with child lock, door alarm, dispenser light, and water filter indicator light. Refrigerator shall include dairy compartment; cabinet shelves, consisting of five (5) total-glass, three (3) adjustable, two (2) slide-out and spill proof, one (1) Quickspace, and one (1) fixed crisper cover; food door bins consisting of four (4) total ClearLock and three (3) adjustable with gallon storage. Freezer shall be provided with two (2) total wire shelves, three (3) total storage baskets and one (1) slide out; LED interior lighting; and new ice storage bin."

DIVISION 12 – FURNISHINGS

ADD 3-019 SECTION 12 32 13 – MANUFACTURED WOOD VENEER FACED CASEWORK

All casework under this Section shall have wood veneer faced doors, drawer fronts and cabinet boxes. Divisions, partitions and shelving shall have wood grain plastic laminate and square hardwood edge with thick applied band.

Page 12 32 13 – 3, Article 2.1, Paragraph B, Subparagraph 1, NSERT the following new sentence at the beginning:

“Casework shall be AWS Custom grade or better.”

Page 12 32 13 – 5, Article 2.4, REVISE Paragraph A to read:

“A. Doors and Drawers: For base and wall cabinets, doors and drawers shall be “Stiles and Rail” type, of flush construction, with MDF or particleboard core, surfaced with selected hardwood veneers chosen for grain and color. Doors shall be 3/4 in. thick, except at tall cases they shall be 1-1/4 in. thick, with square edges constructed of 1/8” solid Select Red Oak edge banding.”

Page 12 32 13 – 7, Article 2.7, Paragraph B, Subparagraph 9, INSERT the following new Sub-subparagraph:

“a. (3) 19” full round independently rotating Lazy Susan shelves with chrome plated shelf adjustable telescoping pole hardware. The 5/8” thick Red Oak plywood deck is surrounded by a 1 piece continuous 1-1/2” high solid Red Oak rim; equal to Century Components CON20FRPF.”

Page 12 32 13 – 7, Article 2.7, Paragraph D, REVISE Subparagraph 7 to read:

“7. Closet Unit: Provide closet unit including heavy-duty powder coated (white) 1-1/4 inch dia. steel cloth rod of length required with matching wall mounting end brackets and intermediate supports where necessary.”

Page 12 32 13 – 8, Article 2.7, Paragraph E, REVISE the dimensions “1-1/2” in the 2nd line and “1-1/2 in.” in the 4th line to read: “1-1/4 in.” Also INSERT the new sentence at the end of this paragraph:

“Countertop shall have solid Red Oak edge band.”

ADD 3-020 SECTION 123213 – MANUFACTURED WOOD VENEER FACED CASEWORK

Page 5, Article 2.4, Paragraph A: DELETE the words “White Maple” and REPLACE with “Red Oak.”

Page 6, Article 2.7, Paragraph A, Sub-Paragraph 1: DELETE the words “Maple” (found in both the third & fourth sentence) and REPLACE with “Red Oak.”

DIVISION 13 – SPECIAL CONSTRUCTION

ADD 3-021 Section 13 34 16.56, BLEACHERS

INSERT attached new Section 13 34 16.56

DIVISION 21 – FIRE SUPPRESSION

ADD 3-022 SECTION 21 13 13 – WET PIPE SPRINKLER SYSTEMS

REVISE paragraph 2.12, I. All sprinklers listed shall be quick response, standard response sprinklers shall not be installed:

DIVISION 23 – HEATING, VENTILATING AND AIR CONDITIONING

ADD 3-023 SECTION 23 40 00 – HVAC AIR CLEANING DEVICES

At Paragraph 2.01 Dust Collector, paragraph A, ADD “AQC” as an acceptable vendor.

At Paragraph 2.01, Duct Collector, DELETE paragraph B. Capacities are listed on the drawings. .

DIVISION 26 – ELECTRICAL

ADD 3-024 SECTION 26 32 13 – ENGINE GENERATORS

CHANGE paragraph 2.05, A. to read:

“Double-Wall Sub-base Fuel Tank: Provide with fill and vent, inner leak detector alarm kit, low fuel alarm kit. Size for 48 hour operation at full load. “

DIVISION 32 – EXTERIOR IMPROVEMENTS

ADD 3-025 Section 32 33 00, SITE IMPROVEMENTS

INSERT attached new Section 32 33 00

AMENDMENTS TO DRAWINGS

SITE

ADD 3-026 L3.1 – SITE LAYOUT ENLARGEMENT

REVISE drawing per attached sketch SKL-001
Create a min. of 6' between the bollards in front of the door.

ADD 3-027 L3.4 – SITE LAYOUT ENLARGEMENT

DELETE this sheet in its entirety and REPLACE with the attached sheet L3.4.

ADD 3-028 L5.11 – SITE METAL SCREENS

ADD Main Entrance Sign per attached sketch SKL-003.

CIVIL

ADD 3-029 C4 – SITE LAYOUT PLAN - PRINDLE

REVISE drawing per attached sketch SKC-005.

ADD 3-030 C5 – SITE UTILITY PLAN - PRINDLE

ADD temporary site layout accommodating Temporary Classrooms per attached sketch SKC-002.

ADD 3-031 C6 – SITE GRADING AND SESC PLAN - PRINDLE

ADD Phase 2 Temporary Access Plan per attached sketch SKC-004.

ARCHITECTURAL

ADD 3-032 A0.1.4 – CODE ANALYSIS FOR TEMPORARY CONSTRUCTION

DELETE the words “Drawing ACD1.3 and” from the text box pointing to the modular classrooms.

ADD 3-033 AD1.1B – DEMOLITION FIRST FLOOR PLAN – AREA B

ADD Temporary Library per attached sketch SKA-001

- ADD 3-034 A1.1.1H – FIRST FLOOR PLAN AREA H**
At Room H105a, Facial/ Ped. Room, Delete elevation tag “5/A2.2.1H.”

At Room H105f, Dispensary Room, Delete elevation tag “5/A2.2.1H.”
- ADD 3-035 A2.2.2A – INTERIOR ELEVATIONS AREA A**
Interior Elevation 14: Revise per attached sketch SKA-002.
- ADD 3-036 A2.2.1B – INTERIOR ELEVATIONS AREA B**
Interior Elevation 17: Revise per attached sketch SKA-003.
- ADD 3-037 A4.1.1 – ENLARGED TOILET PLANS**
Enlarged Plan No. 3: At Toilet & Shower Room A114b, REVISE both dimensions for handicap shower stall to read “3'-0” CLEAR.”

Enlarged Plan No. 4: At Toilet & Shower Room A117b, REVISE both dimensions for handicap shower stall to read “3'-0” CLEAR.”
- ADD 3-038 A4.1.3 – TOILET ELEVATIONS**
Detail 23: ADD the following note: “CM-R to coordinate positioning of automatic flush control sensor with grab bar. Comply with ANSI, A117, Section 604.”

Detail 23, middle image: At the swing up grab bar, DELETE the words “if no toilet partitions exist.”

Detail 23, right image: At the swing up grab bar, DELETE the words “(Provide at all toilets not adjacent to a toilet stall partition).”
- ADD 3-039 A6.2.6 – STOREFRONT TYPES**
Storefront Type SF2: Glass, at portion of storefront that abuts room A103 (Work Copy Area), to have translucent laminate glass with Viraspan “Arctic Snow” pvb-laminate.
- ADD 3-040 A7.1.1 – STAIR DETAILS**
Plan Detail 16: REVISE the handrail, located adjacent to the guardrail, to extend just the length of one tread beyond the last riser. Handrail is to terminate at floor “similar” to detail 4/A7.1.1.
- ADD 3-041 A7.1.3 – STAIR DETAILS**
Section 2: Provide 1-hour rated shaft wall ceiling construction per attached sketch SKA-005
Section 4: REVISE section per attached sketch SKA-004
Section 5: Provide 1-hour rated shaft wall ceiling construction per attached sketch SKA-006
- ADD 3-042 A8.1.1A – FIRST FLOOR CEILING PLAN AREA A**
Room A103a, Storage: REVISE ceiling height to 9'-4.”
Room A103b, Record Vault: REVISE ceiling height to 9'-4.”
Room A105, File Room: REVISE ceiling height to 9'-4.”
- ADD 3-043 A8.1.1E – FIRST FLOOR CEILING PLAN AREA E**
Room E103e, Storage: REPLACE words “GWB-painted” with “1-hour fire rated shaft ceiling construction, painted.”
- ADD 3-044 A8.1.1H – FIRST FLOOR CEILING PLAN AREA H**
Room H101f, Storage: REPLACE words “GWB-painted” with “1-hour fire rated shaft ceiling construction, painted.”

TRADE EQUIPMENT

- ADD 3-045 EQ-3 – EQUIPMENT PLAN “F” BUILDING**
ADD refrigerator to Room F111a, Storage per attached sketch SKEQ-5.
- ADD 3-046 EQ-7 - CASEWORK ELEVATION**
Modify Item SC-12 to include RF36. Refer to attached SKEQ-2
- ADD 3-047 EQ-7 - CASEWORK ELEVATION**
Modify Item SC-14 to include RF36. Refer to attached SKEQ-1
- ADD 3-048 EQ-7 - CASEWORK ELEVATION**
Modify Item SC-18 to include sink. Refer to attached SKEQ-3

STRUCTURAL

- ADD 3-049 S-1.0D – FOUNDATION PLAN PART “D”**
Boiler Room: At existing hydropneumatic tank to be removed, repair void in foundation wall per attached sketch SKS-001. Refer to plumbing drawing PD1.1.1D for tank location.
- ADD 3-050 S-2.0A – SECOND FLOOR FRAMING PLAN – PART “A”**
ADD the following note to the Spray Fire-Proofing notes located on this sheet:
“At all non-rated structural members that connect to structural steel members that are to receive spray fireproofing, spray fire-proof for at least 12 inches.”
- ADD 3-051 S-2.0A – SECOND FLOOR FRAMING PLAN – PART “A”**
Provide spray fireproofing the entire length of the existing steel beam located on column line “eC” between column lines “e17” and “e20.”

MEP DRAWINGS

- ADD 3-052 SU1.1.1 – SITE UTILITY PLAN**
REVISE drawing per the attached Sketch SKE-007.
- ADD 3-053 SU1.1.1 – SITE UTILITY PLAN**
ADD “FORD STREET SITE IRRIGATION SYSTEM NOTE” under the “UNDERGROUND UTILITY NOTE”. The note shall read:
“Disconnect power to the existing irrigation system and re-feed new irrigation system controls. Provide weatherproof fused disconnect switch with appropriate size fuses at controls and extend wiring in conduit to new controls. Existing circuit overcurrent protection shall remain. Refer to specification section 32 80 00 for additional information.”

FIRE PROTECTION

- ADD 3-054 FP1.1.1A – FIRST FLOOR FIRE PROTECTION PLAN – AREA A**
Fitness Room A115a: PROVIDE cages on upright sprinklers.
- ADD 3-055 FP1.1.1D – FIRST FLOOR FIRE PROTECTION PLAN – AREA D**
Fitness Room D103: PROVIDE cages on upright sprinklers.
- ADD 3-056 FP1.1.1E – FIRST FLOOR FIRE PROTECTION PLAN – AREA E**
Auto Mechanics E101: PROVIDE cages on upright sprinkler below stair & upright sprinkler s at loft.
- ADD 3-057 FP1.1.1E – FIRST FLOOR FIRE PROTECTION PLAN – AREA E**
REPLACE existing upright sprinklers with new quick response upright sprinkler with cages at the following rooms:
E101, Auto Mechanics
E101a, Auto Mechanics Theory
E101e, Tool Crib
E101f, Paint Storage
E101d, Machine Area
- ADD 3-058 FP1.1.1E – FIRST FLOOR FIRE PROTECTION PLAN – AREA E**
HVAC Shop E103: PROVIDE new upright sprinkler with cage below stair. Provide cages on upright sprinklers at loft.
- ADD 3-059 FP1.1.1F – FIRST FLOOR FIRE PROTECTION PLAN – AREA F**
PROVIDE cages on upright sprinklers at the following locations:
F101i, Theory
Machine Shop Loft
Electric Shop Loft
- ADD 3-060 FP1.1.1H – FIRST FLOOR FIRE PROTECTION PLAN – AREA H**
Carpentry Shop H101 & Facilities Garage H103: PROVIDE cages on upright sprinklers at lofts and upright sprinklers below stairs.

PLUMBING

- ADD 3-061 P1.1.1D – FIRST FLOOR PLUMBING PLAN – AREA D**
Revise drawing per the attached plan, P1.1.1D
- ADD 3-062 P1.1.1E– FIRST FLOOR PLUMBING PLAN – AREA E**
Revise drawing per the attached Sketch SKP-004
- ADD 3-063 P1.1.1F – FIRST FLOOR PLUMBING PLAN – AREA F**
Room F101d, Teacher's Lounge: REVISE label at sink to S-10
Room F111, Clinical Lab: REVISE label at both sinks to S-10
Room F111c, Exam Room: REVISE label at sink to S-10
Room F111d, Instructor's Office: REVISE label at sink to S-10
- ADD 3-064 P1.1.1F – FIRST FLOOR PLUMBING PLAN – AREA F**
Room F111k, Storage Room: ADD water supply for refrigerator icemaker. Refer to Equipment drawings for location.
- ADD 3-065 P1.1.1H – FIRST FLOOR PLUMBING PLAN – AREA H**
Room H105a, Facial/Ped Room: REVISE label at sink to S-10
Room H105b, Dispensary Room: REVISE label at sink to S-10
Room H105f, Dispensary Room: REVISE label at sink to S-10

ADD 3-066 P1.1.2B – SECOND FLOOR PLUMBING PLAN – AREA B
Room B201a, Preparation Room: ADD water supply for refrigerator icemaker. Refer to Equipment drawings for location.

Room B205, Preparation Room: ADD water supply for refrigerator icemaker. Refer to Equipment drawings for location.

ADD 3-067 P3.1.2 – PLUMBING FIXTURE SCHEDULE
REVISE drawing per the attached Sketch SKP-005

MECHANICAL

ADD 3-068 M1.1.1A - FIRST FLOOR DUCTWORK PLAN – AREA A
REVISE drawings per the attached Sketch SKM-008

ADD 3-069 M1.1.1D- FIRST FLOOR DUCTWORK PLAN – AREA D
REVISE drawings per the attached plan, M1.1.1D

ADD 3-070 M1.1.1H- FIRST FLOOR DUCTWORK PLAN – AREA H
REVISE drawings per the attached plan, M1.1.1H

ADD 3-071 M1.1.1H - FIRST FLOOR DUCTWORK PLAN – AREA H
At dust collector D-1; REVISE spec to be: Fan capacity shall be 11,500 cfm at minimum 8" sp. Provide with 50 HP motor. Provide red mushroom type switch on wall to switch the airflow from RA mode to full exhaust if desired by user. Switch, wiring and control shall be through the BMS.

ADD 3-072 M1.1.3A - ROOF MECHANICAL PLAN – AREA A
REVISE drawings per the attached Sketch SKM-009

ADD 3-073 M3.1.2 - MECHANICAL SCHEDULES
REVISE drawings per the attached Sketch SKM-010

ELECTRICAL

ADD 3-074 ED1.1.1B- FIRST FLOOR ELECTRICAL DEMOLITION PLAN – AREA B
Revise drawing for temporary Library Swing Space per the attached sketch SKE-006.

ADD 3-075 EP1.1.1A- FIRST FLOOR POWER PLAN PLAN – AREA A
Room A103: **ADD** (1) GFI receptacle at under cabinet refrigerator location. Circuit to spare 20A-1P circuit breaker in panel "PP-1C", circuit 29,PP-1C.

ADD 3-076 EP1.1.1B- FIRST FLOOR POWER PLAN PLAN – AREA B
Room B109: **ADD** (1) GFI receptacle at under cabinet refrigerator location. Circuit to spare 20A-1P circuit breaker in panel "PP-1B", circuit 23,PP-1B.

ADD 3-077 EP1.1.1B- FIRST FLOOR POWER PLAN PLAN – AREA B
Room B108c: **ADD** (1) GFI receptacle at under cabinet refrigerator location. Circuit to spare 20A-1P circuit breaker in panel "PP-1A", circuit 69,PP-1A.

ADD 3-078 EP1.1.1F- FIRST FLOOR POWER PLAN PLAN – AREA F
Room F111k: **ADD** (1) duplex receptacle at refrigerator location. Circuit to spare 20A-1P circuit breaker in panel "PP-1F", circuit 69,PP-1F.

ADD 3-079 EP1.1.2B- SECOND FLOOR POWER PLAN PLAN – AREA B

**RENOVATIONS & ADDITIONS TO EMMETT O'BRIEN TECHNICAL HIGH SCHOOL
ANSONIA, CT**

Room B201a: **ADD** (1) duplex receptacle at refrigerator location. Circuit to spare 20A-1P circuit breaker in panel "SC-4", circuit 11,SC-4.

ADD 3-080 EP1.1.2B- SECOND FLOOR POWER PLAN PLAN – AREA B

Room B205: **ADD** (1) duplex receptacle at refrigerator location. Circuit to spare 20A-1P circuit breaker in panel "SC-3", circuit 11,SC-3.

ADD 3-081 E2.1.5- ELECTRICAL RISER AND SCHEDULE

Panelboard "EQ-1C": **CHANGE** (1) 90A-3P Active Branch Circuit to (1) 100A-3P.

ADD 3-082 E2.1.6- ELECTRICAL MOTOR CIRCUIT SCHEDULE

Equipment tag "D-1": **CHANGE** overcurrent protection device to 100A-3P, **CHANGE** equipment HP to 50.

END OF ADDENDUM NO. 3

SECTION 13 34 16.56
BLEACHERS**PART 1 - GENERAL****1.1 DESCRIPTION OF WORK:**

- A. The Work of this Section includes, but is not limited to, the furnishing of all labor, materials and equipment required to provide grass pavers in the locations shown and as detailed and described in the Contract Documents.

1.2 RELATED WORK:

- 02 01 00 Sitework
- 31 20 00 Earthwork Moving
- 32 92 19 Lawns and Grass

1.3 QUALITY ASSURANCE:

- A. Industry Reference Standards: Form 816: "State of Connecticut Department of Transportation Standard Specifications for Roads, Bridges and Incidental Construction, Form 816, 2004" and any amendments and supplements.
- B. Installer Qualifications: Engaged firm must be able to provide evidence to indicate successful documented experience in the installation work specified herein.

1.4 SUBMITTALS:

- A. General: Refer to Division I for Submittal Requirements.
- B. Required Submittals:
 - 1. Cut Sheets of each type of bleacher

1.5 PRODUCT HANDLING: Protect bleachers materials during storage and construction.**1.6 JOB CONDITIONS:**

- A. Existing Conditions: Examine all work that the Work of this section is contingent upon and report any deficiencies to the Owner's Representative. Commencement of work will be construed to mean complete acceptance of the preparatory work of others. No adjustment will be made for discrepancies brought to the Owner's Representative's attention after work has begun.
- B. Coordination: Coordinate all Work of this section with related Work of other sections. Failure to coordinate properly will not reduce the obligation to meet the standards of acceptance of the various elements of Work contained herein.
- C. Sequencing and Scheduling: No construction of the pavers is to commence until general construction operations within the area are generally complete.

PART 2 - PRODUCTS**2.1 GENERAL MATERIALS REQUIREMENTS:**

- A. Bleachers:

1. General: Bleachers shall be equal to Gametime Aluminum bleachers, model # nb0415C, 8 row x 15' in length and model # nb0415cp, 4 row x 15' in length.

PART 3 - EXECUTION

3.1 INSTALLATION:

A. General:

1. Install per manufacturer's instructions and recommendations.

3.2 PROTECTION AND ADJUSTMENT:

- A. Protect the bleachers as necessary to prevent damage due to construction operations.
- B. Prior to final acceptance, repair any damage to the bleachers which may occur.

END OF SECTION

* * * *

SECTION 04 42 13
MASONRY-SUPPORTED STONE CLADDING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Quarrying, fabrication, and installation of granite.
- B. Finishing, assembling, and attaching veneer granite to concrete retaining wall with hangers.
- C. For the main entrance sign, provide panels to be set on a concrete foundation and pinned together both horizontally and vertically. Finish shall be honed on the base and flamed for the main sign. Sign will be finished identically on both sides. Letters and logo will be painted.

1.2 RELATED SECTIONS

Specifier should edit list to include other sections dealing with work directly related to this section.

02 01 00	Sitework
32 13 13	Portland Cement Concrete Paving
32 90 00	Landscaping
04 30 10	Flexible Flashing / Drainage System
04 30 20	Masonry Veneer Anchors and Ties
04 50 13	Masonry Mortar and Grout

1.3 ALLOWANCES

Provide an Allowance of \$180.00 per ton for the granite.

1.4 REFERENCES

Specifier should edit list to include only standards referenced in the section.

- A. ASTM A36 - Structural Steel.
- B. ASTM A82 - Steel Wire, Plain, for Concrete Reinforcement.
- C. ASTM A167 - Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- D. ASTM A185 - Steel Welded Wire, Fabric, Plain, for Concrete Reinforcement.
- E. ASTM A500 - Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds & Shapes.
- F. ASTM C97 - Absorption and Bulk Specific Gravity of Dimension Stone.
- G. ASTM C99 - Modulus of Rupture of Dimension Stone.
- H. ASTM C170 - Compressive Strength of Dimension Stone.
- I. ASTM C1353 - Abrasion Resistance of Dimension Stone by the Taber Abraser
- J. ASTM C270 - Mortar for Unit Masonry.
- K. ASTM C615 - Standard Specification for Granite Dimension Stone.
- L. ASTM C880 - Flexural Strength of Dimension Stone
- M. ASTM C1028 - Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull-Meter Method.
- N. ASTM C295 - Standard Practice for Petrographic Examination of Aggregates for Concrete.
- O. ASTM C1201 - Structural Performance of Exterior Dimension Stone Cladding Systems by Uniform Static Air Pressure Difference.

- P. ASTM C1242 - Standard Guide for Design, Selection, and Installation of Exterior Dimension Stone Anchors and Anchoring Systems.
- Q. ASTM C1354 – Test Method for Strength of individual stone anchorages in Dimension Stone
- R. ASTM C1352 – Test Method for Flexural Modulus of Elasticity of Dimension Stone
- S. ASTM E283 - Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.
- T. ASTM E331 - Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
- U. ASTM E699 - Criteria for Evaluation of Agencies Involved in Testing, Quality Assurance, and Evaluating Building Components in Accordance with Test Methods Promulgated by ASTM Committee E-6.
- V. National Building Granite Quarries Association (NBGQA) Specifications for Architectural Granite.

1.5 SYSTEM DESCRIPTION

A. PERFORMANCE REQUIREMENTS:

1. Design, fabricate, and install dimension stonework to withstand loads from wind, gravity, movement of building structure, thermally induced movement and to resist deterioration under conditions of normal use including exposure to weather, without failure.
2. Provide dimension stonework that is designed, fabricated, and installed based on the following safety factors applied to the stone's average ultimate strength, as established by test, to determine allowable working stresses.
3. Safety factor for granite is 3 for uniform and concentrated loads and 4 for anchorage components.
4. Provide or field installed anchoring system, including connections to the building structure capable of sustaining forces generated by gravity loads, wind loads, and stresses included by thermal movement, acting separately or in combination, without exceeding allowable working stresses of stone, determined by dividing the stone's average ultimate strength, as established by test, by the stone's safety factor.
5. Provisions For Thermal Expansion: All components and assemblies shall be fabricated to provide thermal expansion and contraction caused by an ambient temperature range of 180°F. (-30°F. low, 70°F. nominal and 150°F. high) for unrestrained members and to provide appropriate anchoring for restrained members, without causing buckling, opening of joints, cracking of welds, undue stresses on anchors, fasteners, structure of joining elements, or other detrimental effects.
6. Structural Properties: All components and assemblies shall be designed to withstand:
 - i) Granite Design Factor of Safety: Stone breakage, anchorage failure or displacement from the stone shall not occur under loading equal to four (4) times the actual load applied either

positive or negative. Tests information shall include: absorption, compression, rupture, modulus of elasticity, vapor and specific gravity.

- ii) Failure of a single fastener, anchor, support or framing member shall not result in the dislocation of any cladding element.
- iii) Submit a stress calculation for review to prove compliance with the above design requirements before ordering or manufacturing any material or component.

1.6 SUBMITTALS

A. Comply with submittal requirements.

B. SHOP DRAWINGS:

- 1 Shop drawings shall be prepared by the granite fabricator (in Autocad) and submitted by the Contractor to the Architect for approval. Indicate piece sizes, quantities, and coordination with adjacent work. Shop drawings shall show all granite required, giving all overall piece size and sections through each condition.
- 2 Where required, full sized sections shall be drawn to show curved or molded sections.
- 3 All anchoring shall be defined and anchors located. Size and shape of anchors shall be indicated on shop drawings.
- 4 Each stone shall be numbered on the shop drawings. No fabrication shall begin until shop drawings are approved by the Architect. Deviations from the Bid Documents shall be clearly noted on the shop drawings.
- 5 Unless otherwise noted, submit drawings via e-mail or 1 sepiia and 3 prints of each shop drawing for approval.

C. SAMPLES:

1. A minimum of 2 each, 12 inches x 12 inches in size, in each color and finish specified shall be submitted for the Architect's approval. In the case of more variegated granites, sufficient number of samples shall be submitted to show the full range of color and markings to be expected. If necessary, color photographs may accompany sample submittals. On larger projects, architect's and owner's representatives to visit fabricator's plant to review mock-ups showing full size pieces of specified granites and finishes and discuss requirements with production personnel. This meeting will allow architect and owner to understand the natural characteristics of specified granite and will allow granite production personnel to fully understand the expectations and requirements of architect and owner.
2. If samples are rejected, new samples shall be submitted until approved. No fabrication shall begin until all samples are approved by the Architect.

D. TEST REPORTS:

Submit test reports on preliminary test data on specified or proposed granites to the Architect for approval. These reports shall be indicative of the granite to be used on the project. Testing of current production is specified in the quality control article of this section.

E. CERTIFICATION:

Submit a letter of certification from the granite fabricator, stating the material being furnished is the specified material and there are sufficient reserves available to supply the project and furnish replacements if needed.

1.7 QUALITY ASSURANCE

Specifier should select the descriptions which best suit the project.

A. SINGLE SOURCE:

- 1 Single Source Responsibility for Stone and Fabrication: Obtain each color, grade, finish, type, and variety of stone from a single quarry-fabricator in USA. The quarry shall provide material of a consistent quality in appearance and physical properties, and include the capacity to cut and finish material without delaying the progress of the work.
- 2 Single Source Responsibility for Stone Cladding System: Engage a qualified installer for stone cladding system to assume complete responsibility for design, fabrication, and installation of stone cladding system to comply with specified requirements.

B. QUALIFICATIONS:

1. Installer Qualifications: Engage an experienced installer who has completed stone cladding similar in material, design, and extent to that indicated for the project, that has resulted in construction, with a record of successful in-service performance.
2. Engineer Qualifications: Engage a professional engineer licensed to practice in the jurisdiction where the project is located and experienced in providing services for stone cladding systems similar in material, design, and extent to that indicated for the project.

C. MOCK-UPS:

1. Visual Mock-up: A full sized mock-up of the approved granite or granites in the approved finishes shall be erected at a site agreed to by the Architect, Contractor, and the Fabricator. The size and extent of the mock-up shall be in accordance with the Architect's design intent and as indicated in the Architect's drawings. When mock-up is approved, it shall become the standard for the project. Unless otherwise specified, the cost of the visual mock-up shall be included in the cost of the fabricated granite. Mock-up may become part of finished work.

The purpose of the visual mock-up shall be to evaluate erection procedure, evaluate the comparability of adjacent materials, evaluate caulking and mortar colors and textures, and to provide an overall aesthetic standard for the project.

D. PRE-INSTALLATION MEETING:

Convene a pre-installation meeting at the site at least one week prior to commencing work of this section. The purpose of the meeting shall be to review methods and sequence of all stone work, special details and conditions,

standards of workmanship, testing and quality control requirements, and other topics related to the work of this section.

Attendance shall include the Architect, Contractor, stone installer, representatives of the granite fabricator, mortar materials/caulking supplier, and others whose work requires coordination with the work performed by those listed above.

1.8 DELIVERY, STORAGE AND HANDLING

- A. Finished granite shall be carefully packed and loaded for shipment using all reasonable care and customary precautions against damage in transit. No material which may cause staining or discoloration shall be used for blocking or packing.
- B. Upon receipt at the site or storage yard, the granite shall be stacked on timber or platforms at least 4 inches above the ground. Extreme care shall be taken to prevent staining or discoloration during storage. If storage is to be for a prolonged period, polyethylene or other suitable plastic film shall be placed between wood and finished surfaces of completely dry stone. Polyethylene or other suitable plastic film shall be used as an overall protective covering. Lewis holes shall be plugged during freezing weather to prevent the accumulation of water. Salt shall not be used for melting of ice formed in Lewis holes or on pieces, or for any purpose involving contact with the granite.

1.9 WARRANTY

- A. The Contractor shall warrant the work of this section to be in compliance with the Contract Documents and free from faults and defects in materials and workmanship for a period of one year from the completion of the work.

1.10 MAINTENANCE

- A. The granite fabricator shall supply, upon request, a manual indicating the recommended cleaning and maintenance of the installed work of this section. Catalogs and cuts from producers of recommended cleaning and maintenance materials shall be included in the maintenance manual. The manual shall include information regarding cleaning methods, stain removal methods and sealers.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. For the purpose of bidding and to establish the standard of quality and aesthetic goal expected on this project, all materials pertaining to granite are those furnished by Cold Spring Granite Company, Cold Spring, Minnesota. Other USA Quarrier-Fabricators able to meet or exceed established quality and physical property standards shall submit test data and samples during bidding period for evaluation.

2.2 MATERIALS

- A. GENERAL: All granite shall be of standard grade, free of cracks, seams, or starts which may impair the structural integrity or function. Inherent color variations, characteristic of the quarry from which it is obtained, will be acceptable. Color and surface finish shall be in accordance with samples approved by the Architect.

Granite colors and finish are to be selected by the Architect.

- B. SCHEDULE: All granite shall be as supplied per allowance by Cold Spring Granite Company, Cold Spring, Minnesota or approved equal. The extent of the granite shall be as indicated on the Drawings. The finished surface shall be flame on vertical panels and polished on cap stones unless otherwise noted on the Drawings or in the finish schedule.

Each color of granite shall come from a single quarry, with sufficient reserves to satisfy the requirements of the project, and the granite supplier shall have the capabilities to cut and finish the stone without delaying the project.

2.3 ACCESSORIES

- A. ANCHORS: All anchors or anchoring devices coming in contact with the granite, shall be Type 302 or 304 stainless steel in accordance with ASTM A167, Type #1, #7, #31, etc. as fabricated by CSGC, or Extruded Aluminum in accordance with ASTM B 221, alloy and temper as required, minimum strength and durability properties of 6063-T6. Wire anchors are not acceptable for exterior use.

For specific application information, refer to Section 1.09.A.2.

- B. STAINLESS STEEL ALIGNMENT PINS.: Pins shall be 6" long by 1/2" diameter.
- C. SETTING BUTTONS: Lead or resilient plastic setting pads, non-staining to the granite, sized to suit joint thickness and bed depths shall be used.
- D. FLASHING: Galvanized wire fabric 2 inches x 2 inches 16 gauge or 0.0624 inch diameter complying with ASTM A185 and ASTM A82. For small mesh with light traffic, 18 gauge galvanized hexagonal mesh (chicken wire) shall be acceptable.
- E. WEEPS: Medium density polyethylene, outside diameter of 1/4 inch and of a length required to extend between exterior face of stone and cavity behind.

2.4 MORTARS

- A. GENERAL: All methods of measuring, mixing, and handling of mortars shall be in strict compliance with ASTM C270-STANDARD SPECIFICATION FOR MORTAR FOR UNIT MASONRY. Use accurate measuring devices to mix mortar ingredients by volume. Mix colored mortars separately and thoroughly clean vessels and mixing equipment between different colored batches to avoid color contamination from each other. Maximum pot life and retempering shall be as indicated in ASTM C270. Mortar joints shall be raked to a depth of no less than the joint width. Joints shall be pointed after initial cure of setting mortars. When "thumbprint hard", pointing shall be tooled to a concave profile using a striking tool with a diameter of 1 1/2 times the joint width.

2.5 SEALANTS

- A. General: All joints shall be filled with sealant and backer rod as specified in Section 07900.

2.6 FABRICATION

- A. GENERAL: Fabricate all granite in sizes and shapes required as indicated on the Drawings and on approved shop drawings. All granite shall comply with "Specification for Architectural Granite" as recommended by the National Building Granite Quarries Association.
- B. TOLERANCES: All granite shall be of the specified thickness and within a tolerance of plus or minus 1/16 inch of the nominal thickness shown. For thicknesses greater than 2 inches the variation tolerance may be plus or minus 1/4 inch of the nominal thickness. Overall face size may vary plus or minus 1/16 inch in both height and width, including being out of square to that tolerance.
- C. JOINTS: Joints of stone shall be square and true and at approximately 90 degrees to the face. For exterior facing, joints shall be 3/8 inch wide unless otherwise noted. For interior facing, joints shall be 1/4 inch wide unless otherwise noted.
- D. ANCHOR PROVISION: Drill, cut and sink provisions within the granite to receive anchors, fasteners, supports and any lifting devices needed to properly handle and attach the stone in place. Allow room for expansion of the anchoring devices where necessary. Where liners are required on the back of panels, secure by means of a mechanical anchor. The use of adhesives as the means of attachment is not permitted.
- E. ARRISES: All arrises shall be slightly blunted to remove the sharp edge and to reduce chipping of the finished edge.

2.7 QUALITY CONTROL

- A. GENERAL: Establish and maintain a quality control system to ensure that all materials supplied in this section meet or exceed the specified requirements. Specifier should determine if testing is required and offer option of submitting available historical data on file instead of new testing.
- B. GRANITE TESTS:
 - 1. The Owner will employ and pay an independent testing laboratory to perform quality control testing. Tests will be performed on each type and variety of granite for compliance with the physical properties specified.

Tests will be conducted on specimens randomly selected under the direction of the testing laboratory. Tests will be representative and typical of the granite proposed for the project.
 - 2. Test results will be reported in writing by the testing laboratory to the Owner, Architect, and Contractor.
- C. TYPES OF GRANITE TESTS:
 - 1. ASTM C97 - Absorption and Bulk Density.
 - 2. ASTM C99 - Modulus of Rupture of Dimension Stone.
 - 3. ASTM C170 - Compressive Strength of Dimension Stone.
 - 4. ASTM C880 - Flexural Strength of Dimension Stone.
- D. ANCHOR TESTS:

The supplier of anchorage assemblies shall provide adequate documentation verifying strengths of such assemblies. If such documentation does not exist, a mock-up shall be used to test the anchorage assemblies according to the following procedure:

Test each variety of anchor used in project. All anchors are to be tested in positive and negative loading directions unless it is readily apparent which direction is the weaker condition or the condition which will experience the greater load.

Anchorage assemblies utilizing adhesives, grouts, or sealants as filler materials shall have the bond between the filler material and the anchor or stone intentionally broken for the purposes of the test. This procedure is intended to replicate the performance of the anchorage assembly after the anticipated bond failure.

Anchors which are responsible for both gravity and lateral loads may be required to have the anticipated gravity load simulated prior to application of the lateral load.

Blocking shall be used to simulate adjacent stones or system components which aid the anchor assembly by preventing disengagement from anchor hole.

Apply test loads smoothly. Dial gauges may be required to record deflections and elastic deformations during load application.

Test all assemblies to failure. Record load values and mode of failure.

Test report shall include sketches and photographs as required to adequately describe the test methods, test fixtures, and failed condition of test specimens.

- E. PRODUCTION TESTS: Stone samples will be taken at specified intervals and tests performed per ASTM C880 -Flexural Strength of Dimension Stone.

PART 3 EXECUTION

3.1 EXAMINATION

A. SURFACE CONDITIONS:

- 1 Prior to installing granite, examine the existing surface that is to receive the cut stone and verify it is in accordance with the specifications and as indicated on the Drawings. Do not proceed until defective surfaces are brought into compliance.
- 2 Verify measurements and tolerances and report in writing to the Contractor, conditions that are not correct. This includes water tightness of sub-surface, installation of anchoring accessories, and other mechanical devices required to be installed prior to the installation of the cut stone work.

3.2 PREPARATION

- A. Advise installers of other work about requirements relating to the placement of Inserts, flashing reglets, and other items to be used by the stonework installer for anchoring, supporting, and flashing of dimensional stonework. Furnish shop drawings to other trades for coordination.
- B. Prior to setting cut stone, clean all surfaces to remove accumulated dirt and stains. Clean thoroughly by scrubbing with non-metallic brushes followed by a drenching with clean water. Use only mild detergents that do not contain caustic fillers.

3.3 INSTALLATION – TO BE INCLUDED IN THE ALLOWANCE

A. QUALITY

- 1. Proceed with the installation of the stonework using skilled mechanics capable of proper handling of the setting of the stone and able to field cut where necessary with sharp and true edges.
- 2. Set stone in compliance with the approved shop drawings. Set with anchors, supports, and fasteners, as indicated, to properly secure the stone accurately in the places indicated on the approved shop drawings. Joints shall be uniform in appearance and edges and faces aligned to tolerances indicated.

B. TOLERANCES

- 1. For variation from plumb for columns, walls, and arrises, do not exceed 1/4 inch in 10 feet, 3/8 inch in a story height or 20 feet maximum, or 1/2 inch in 40 feet or more. For external corners, expansion joints, and other critical lines, do not exceed 1/4 inch in any story or 20 feet maximum, or 1/2 inch in 40 feet or more.
- 2. For variations from level on lintels, sills, parapets, and other horizontal lines, do not exceed 1/2 inch in any bay or 20 feet maximum, or 3/4 inch in 40 feet or more.
- 3. For wall thicknesses and column sizes, do not exceed minus 1/4 inch or plus 1/2 inch in section dimensions.

C. CONTIGUOUS WORK:

- 1. Provide chases, reveals, reglets, and openings as indicated on the approved shop drawings to accommodate contiguous construction. Close up open spaces with the same stonework as the surrounding area so the enclosed areas match those already set.

3.4 FIELD QUALITY CONTROL

- A. The Owner will employ and pay an independent testing laboratory to perform field quality control testing. Tests will be performed on stone cladding for water penetration in accordance with ASTM test procedures.
- B. Test results will be reported in writing by the testing laboratory to the Owner, Architect, and Contractor.

3.5 ADJUSTING

- A. Repair or replace stonework found to be not within the range of the approved mock up in appearance or application including broken, stained or chipped stonework, or stonework not properly fitted. Minor patching in small areas may be acceptable if the repair does not distract from the overall appearance of the finished project.

3.6 CLEANING

- A. As soon as possible after installation, clean all finished stonework with a mild detergent using a fiber brush. After cleaning, rinse with clean water. Do not use acid or other caustic materials. When cleaning is completed, remove temporary protection installed during construction.

3.7 PROTECTION

- A. At the end of each day's work, cover top of walls with a non-staining waterproof covering. Protect partially finished work when not being worked on.
- B. Protect sills, ledges and other projections from mortar or other droppings during the process of the work. Provide work covers where needed.

SECTION 32 33 00
SITE IMPROVEMENTS

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK:

Work includes the furnishing of all labor, materials and equipment required to install the site improvements listed below at the locations shown and as detailed and described. Site locations for the trash receptacles and bike racks to be provided later.

1.2 RELATED WORK:

02 01 00 Sitework

1.3 SUBMITTALS:

A. General: Refer to Division I for Submittal Requirements.

B. Required Submittals:

• Samples: Provide the samples listed below pursuant to the requirements of Division I.

1. Finish metal paint.

2. Manufacturer's Product Data: Submit manufacturer's technical data for each manufactured product.

1.4 JOB CONDITIONS:

C. Existing Conditions: Examine all work that the Work of this section is contingent upon and report any deficiencies to the Architect. Commencement of work will be construed to mean complete acceptance of the preparatory work of others. No adjustment will be made for discrepancies brought to the Architect's attention after work has begun.

D. Coordination: Coordinate all Work of this section with related Work of other sections. Failure to coordinate properly will not reduce the obligation to meet the standards of acceptance of the various elements of Work contained herein.

PART 2 - PRODUCTS

2.1 GENERAL MATERIALS REQUIREMENTS:

A. Trash Receptacles:

1. Maglin MLWR-600-32 trash receptacle or equal
Color: By Architect
Height: 35.00" (88.9cm)
Diameter: 21.75" (55.2cm)
Toll Free: 1.800.716.5506 | Fax: 1.877.260.9393

Provide 6 trash receptacles

B. Bike Rack:

1. Palmer Group or equal

Welle Multi Bend Round Pipe Racks: Model # H-G-3611-IG-P: 9'-2" long; 9 bends, In ground mount.

Color: By Architect

Welle Multi Bend Round Pipe Racks: Model # H-G-3611-SF-P: 9'-2" long; 9 bends. Surface mount.

Color: Galvanized

Telephone: 888-764-BIKE (2453)415-333-6428 outside U.S.415-333-2032 fax

Web: Info@bikeparking.com

Provide 6 bike racks.

PART 3 EXECUTION

3.1 PRE-INSTALLATION REQUIREMENTS:

Secure approval of the Installation Location prior to final installation of the site improvements.

3.2 FABRICATION/INSTALLATION:

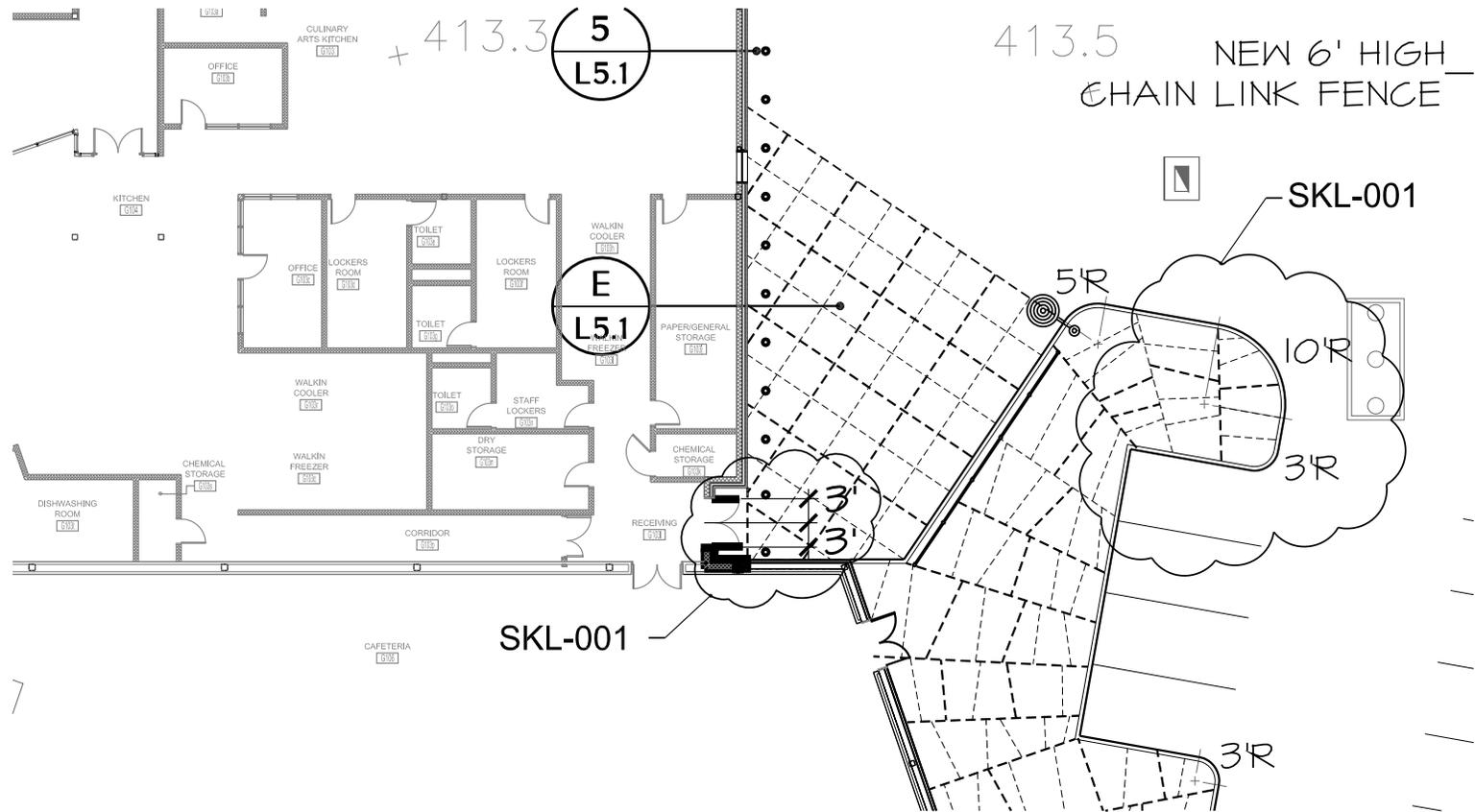
E. Trash Receptacles: Secure to concrete walk in locations shown on drawings and as per manufacturer's recommendations.

F. Bike Racks: Secure to concrete walk in locations shown on drawings and as per manufacturer's recommendations.

3.3 PROTECTION:

The Contractor shall take special care to protect all site improvements and keep them in first class condition until the completion of the contract. Exercise particular care to prevent damage to the finished surfaces.

END OF SECTION 32 33 00



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 860-644-8300

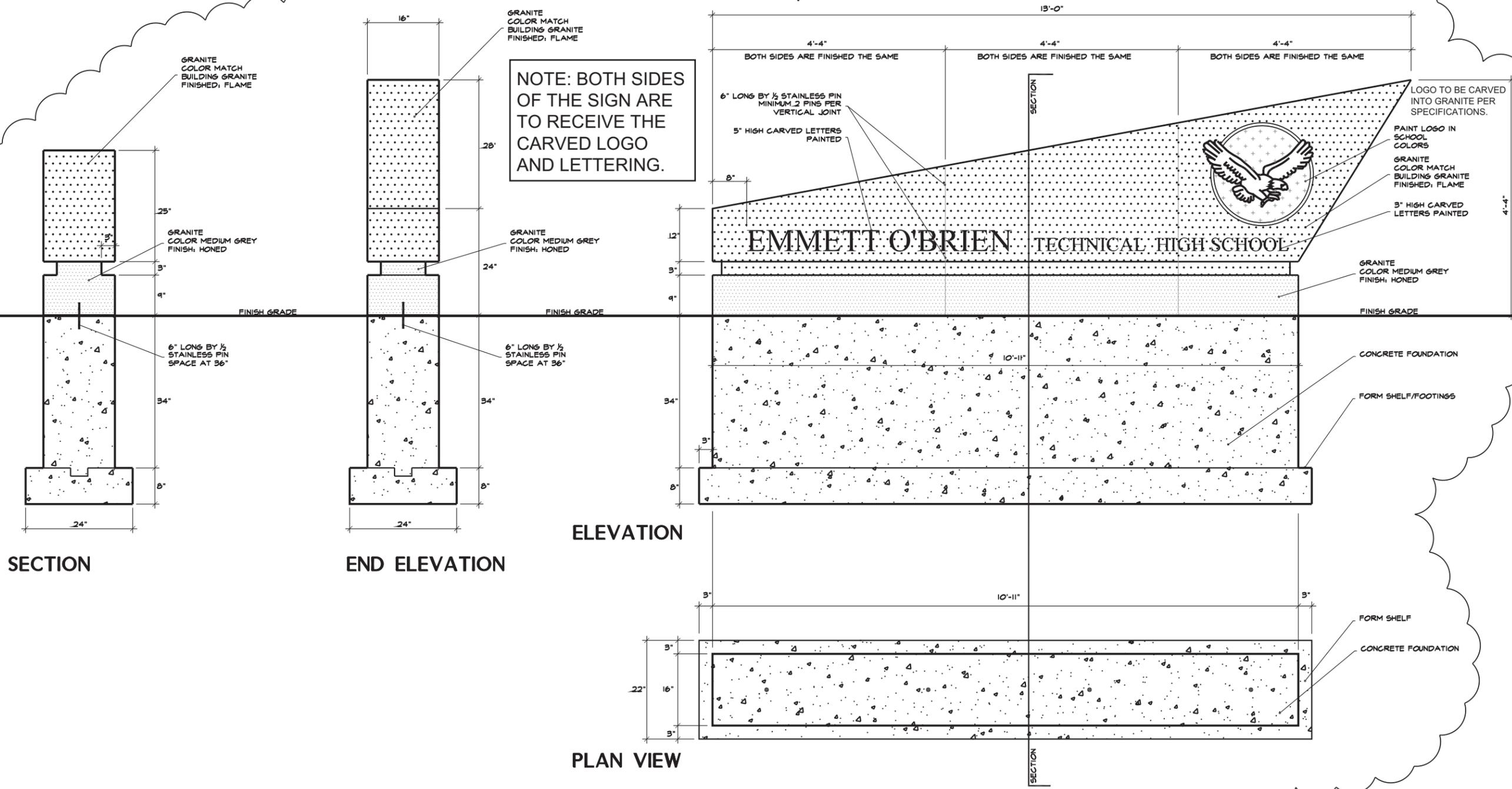
Emmett O'Brien Technical High School, Ansonia, Connecticut

MODIFICATION OF 2 BOLLARDS LOCATED
 INLOADING AREA TO PROVIDE MIN. SPACE AT DOORS

SCALE: 1" = 10'-0"
 DRAWN BY: GRH
 DCS No.: BI-RT-844-CMR
 DATE: JAN. 22, 2014

REF. DWG # L1.1
 Adenda

SKL-001

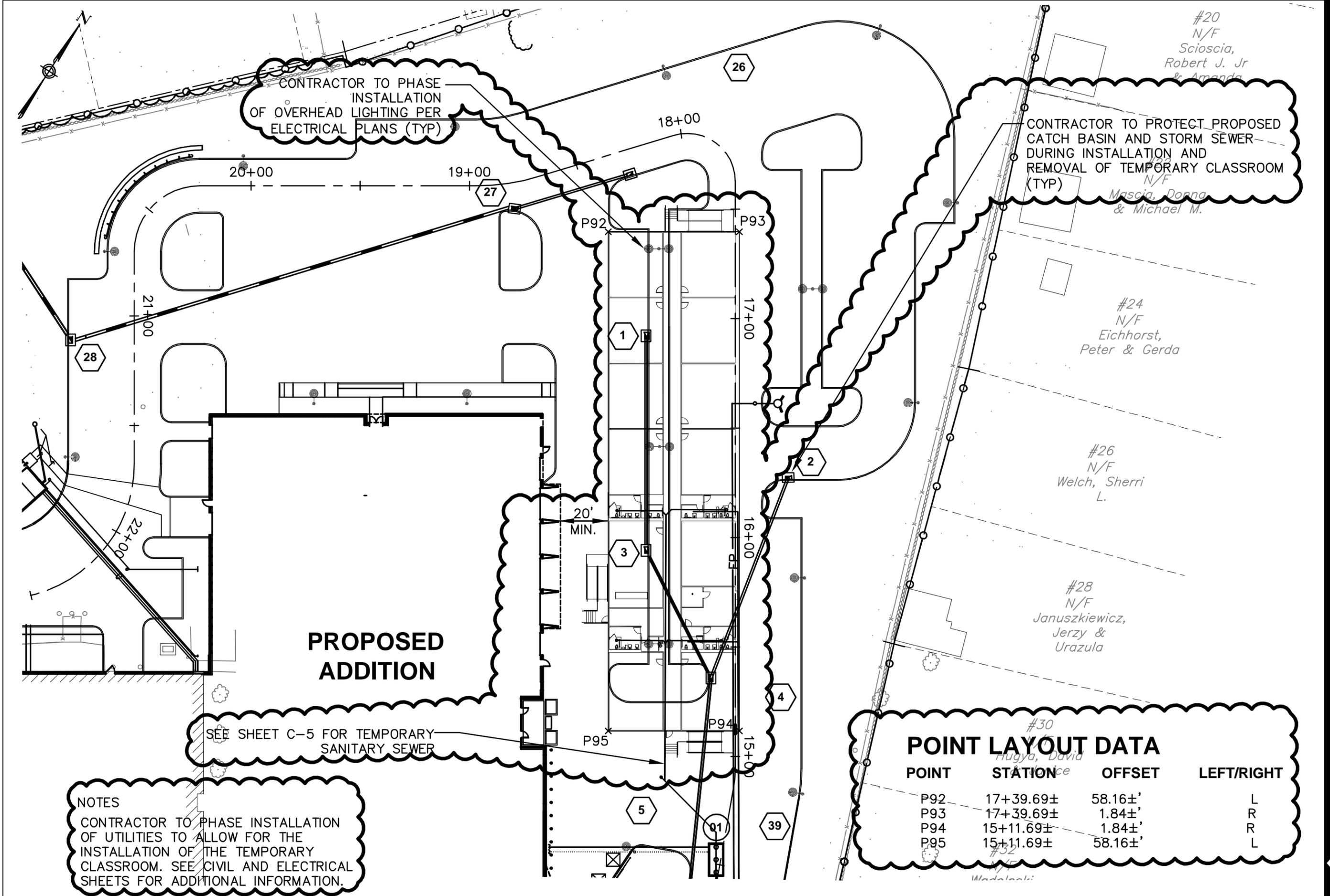


NOTE: BOTH SIDES OF THE SIGN ARE TO RECEIVE THE CARVED LOGO AND LETTERING.

3 Main Entrance Sign
L5.11 SCALE 1"=1'

ADDENDUM #3

D.R.A. Drummey Rosane Anderson, Inc. Studio 205 225 Oakland Road South Windsor, CT 06074 860-644-8300	Emmett O'Brien Technical High School, Ansonia, Connecticut MAIN ENTRANCE SIGN	SCALE: 1/2" = 1'-0" DRAWN BY: DRA DCS No.: BH-RT-844-CMR DATE: JAN. 22, 2014	REF. DWG L5.11 ADDENDUM #3 SKL-003
	REF. DWG L5.11 ADDENDUM #3 SKL-003		



CONTRACTOR TO PHASE INSTALLATION OF OVERHEAD LIGHTING PER ELECTRICAL PLANS (TYP)

CONTRACTOR TO PROTECT PROPOSED CATCH BASIN AND STORM SEWER DURING INSTALLATION AND REMOVAL OF TEMPORARY CLASSROOM (TYP)

PROPOSED ADDITION

SEE SHEET C-5 FOR TEMPORARY SANITARY SEWER

NOTES
 CONTRACTOR TO PHASE INSTALLATION OF UTILITIES TO ALLOW FOR THE INSTALLATION OF THE TEMPORARY CLASSROOM. SEE CIVIL AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.

POINT LAYOUT DATA

POINT	STATION	OFFSET	LEFT/RIGHT
P92	17+39.69±	58.16±'	L
P93	17+39.69±	1.84±'	R
P94	15+11.69±	1.84±'	R
P95	15+11.69±	58.16±'	L

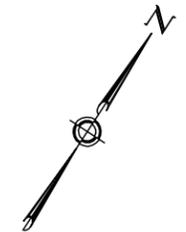
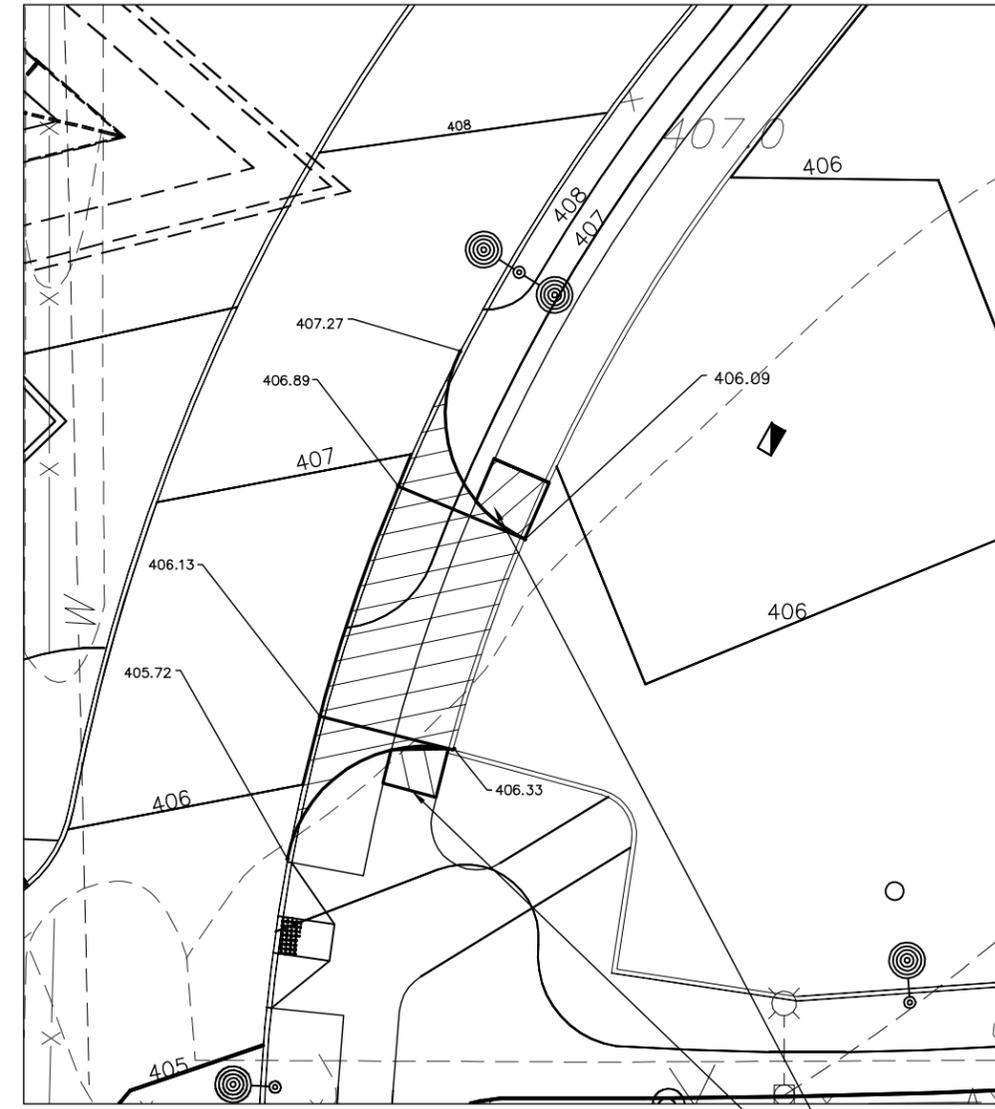
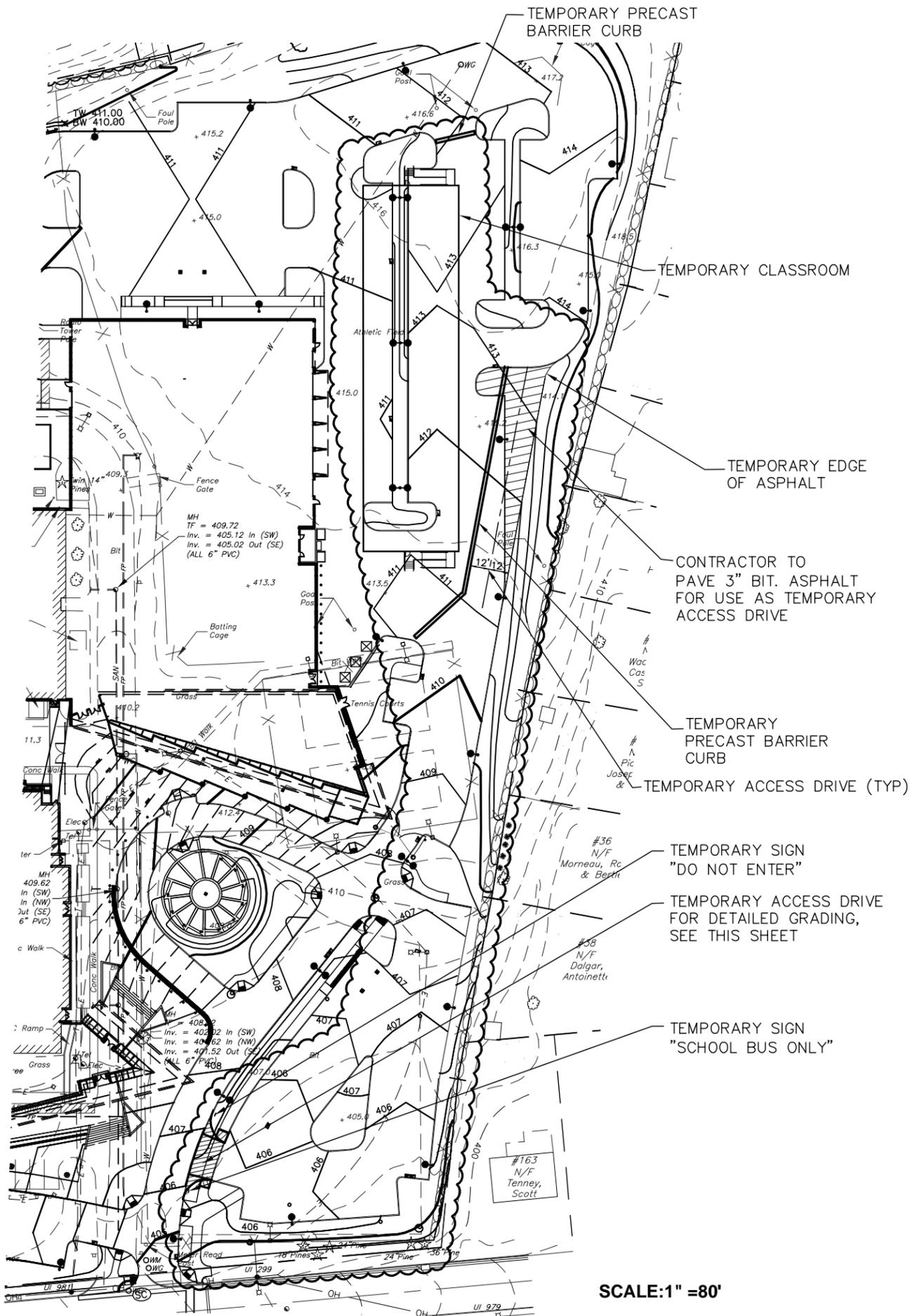
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 Studio 205
 225 Oakland Road
 South Windsor, CT 06074
 860-644-9300

Emmett O'Brien Technical High School, Ansonia, Connecticut
LOCATION OF TEMPORARY CLASS ROOM

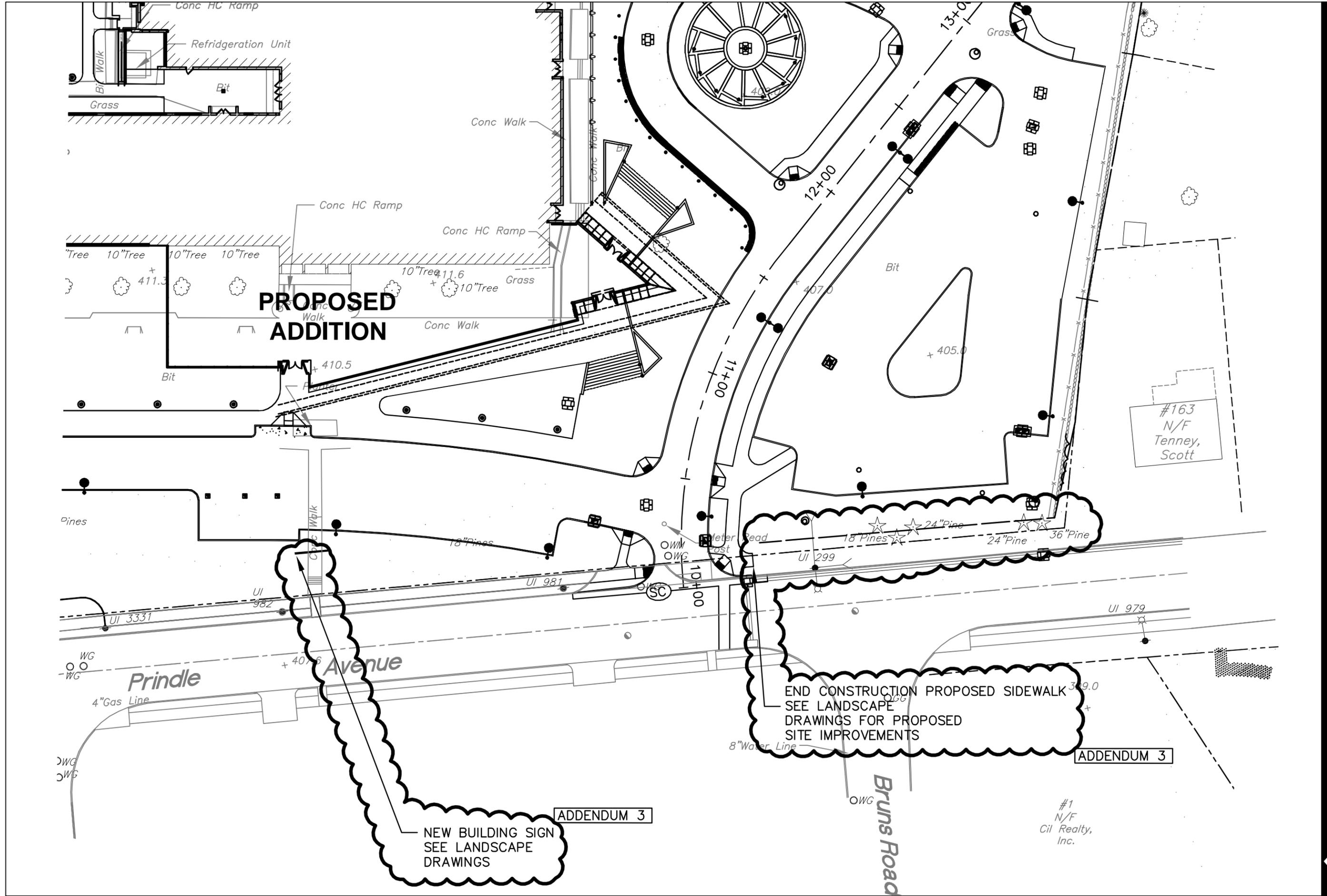
REF. DWG C-5
 ADDENDUM #3

SCALE | 1" = 40'-0"
 DRAWN BY | DRA
 DCS No. | BI-RT-844-CMR
 DATE | JAN. 9, 2014

SKC-002



Emmett O'Brien Technical High School, Ansonia, Connecticut	REF. DWG 6 ADDENDUM # 3	SKC-004
	SCALE AS NOTED DRAWN BY DRA DCS No. BI-RT-844-CMR DATE JAN. 14, 2014	SCALE AS NOTED DRAWN BY DRA DCS No. BI-RT-844-CMR DATE JAN. 14, 2014
PHASE 2 TEMPORARY ACCESS PLAN	Drummy Rosane Anderson, Inc. Studio 205 225 Oakland Road South Windsor, CT 06074 860-644-8300	

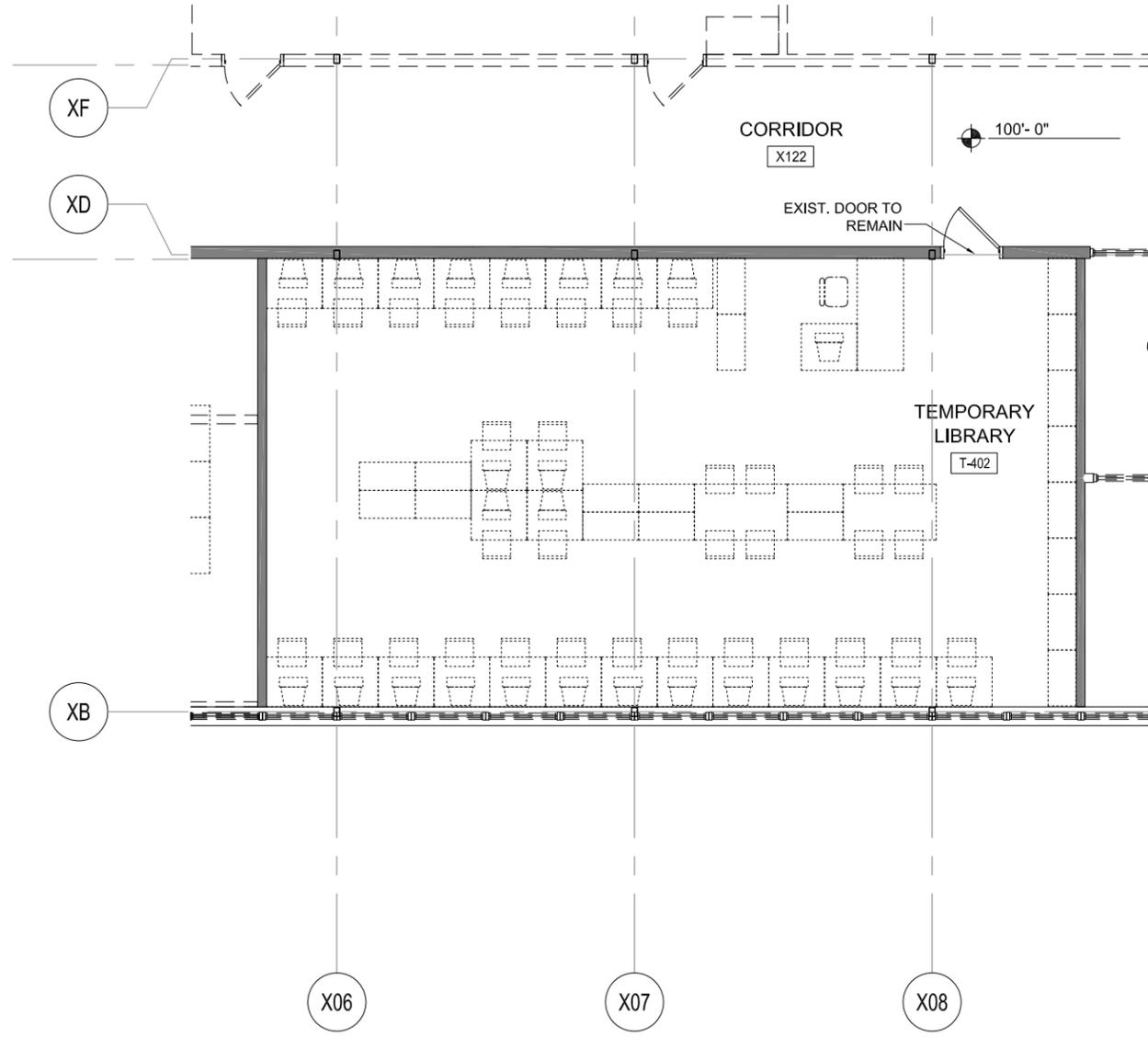


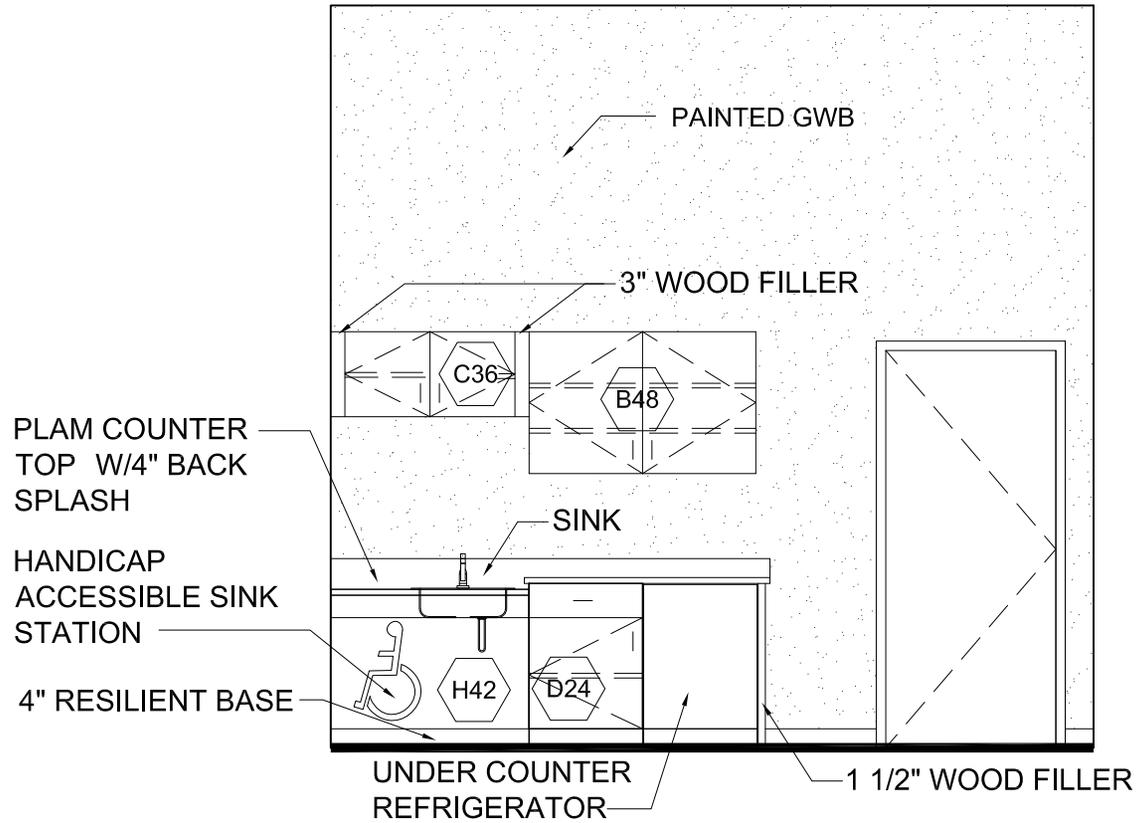
REF. DWG C4
ADDENDUM 3
SKC-005

SCALE | 1" = 40'
DRAWN BY | DRA
DCS No. | BI-RT-844-CMR
DATE | JAN. 20, 2014

Emmett O'Brien Technical High School, Ansonia, Connecticut
**ADDED BUILDING SIGN NEAR PRINDLE AND
ELIMINATED SIDEWALK AT SOUTH PARKING LOT**

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860-644-8300





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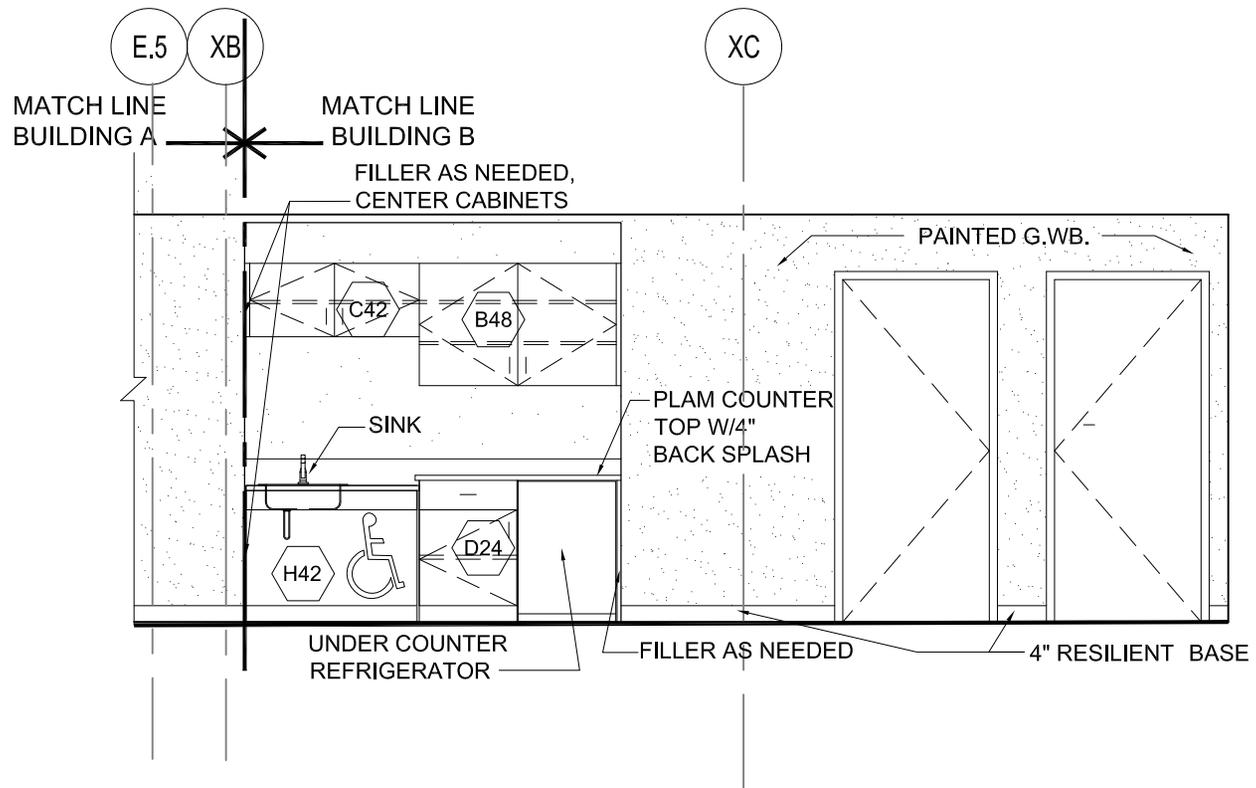
Emmett O'Brien Technical High School, Ansonia, Connecticut

West Elevation Work Copy Area # A103

SCALE | NTS
DRAWN BY | DRA
DCS No. | BI-RT-844-CMR
DATE | JAN. 21, 2014

REF. DWG # 14 / A2.2.2A
ADDENDUM # 03

SKA-002



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225 Oakland Road
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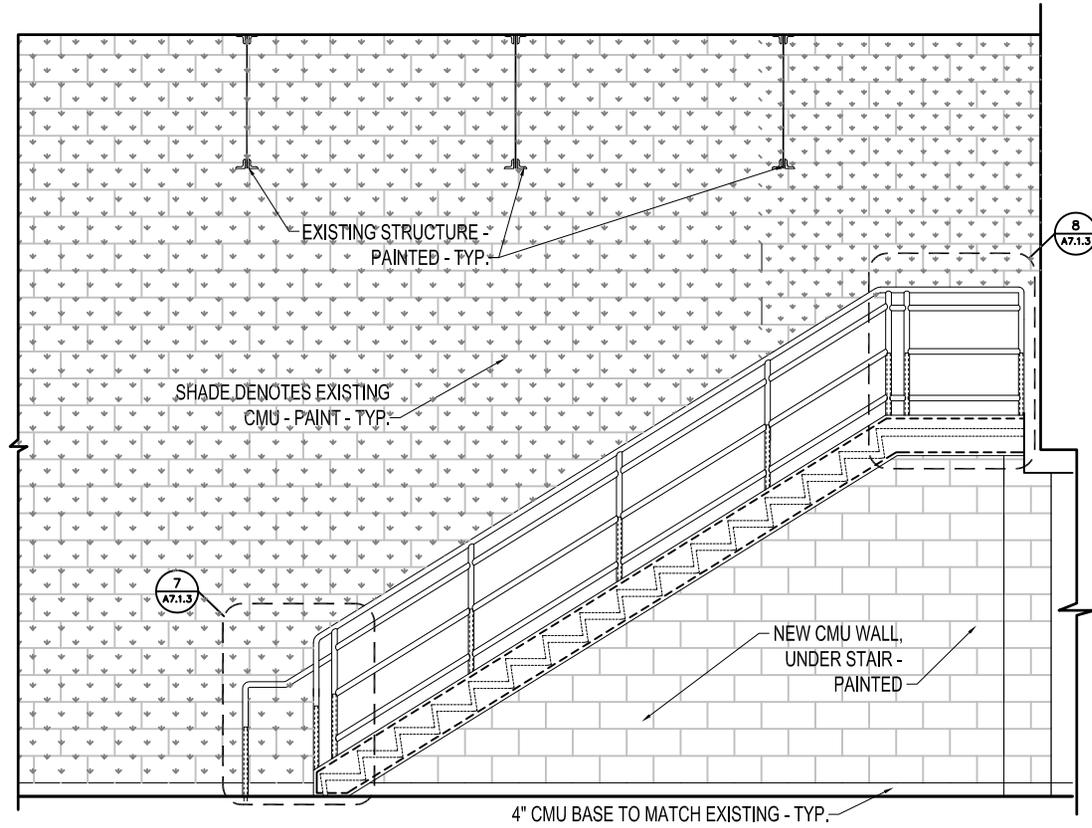
Emmett O'Brien Technical High School, Ansonia, Connecticut

West Elevation Work Supplies B109

SCALE | NTS
DRAWN BY | DRA
DCS No. | BI-RT-844-CMR
DATE | JAN. 21, 2014

REF. DWG # 17 / A2.2.1B
ADDENDUM # 03

SKA-003



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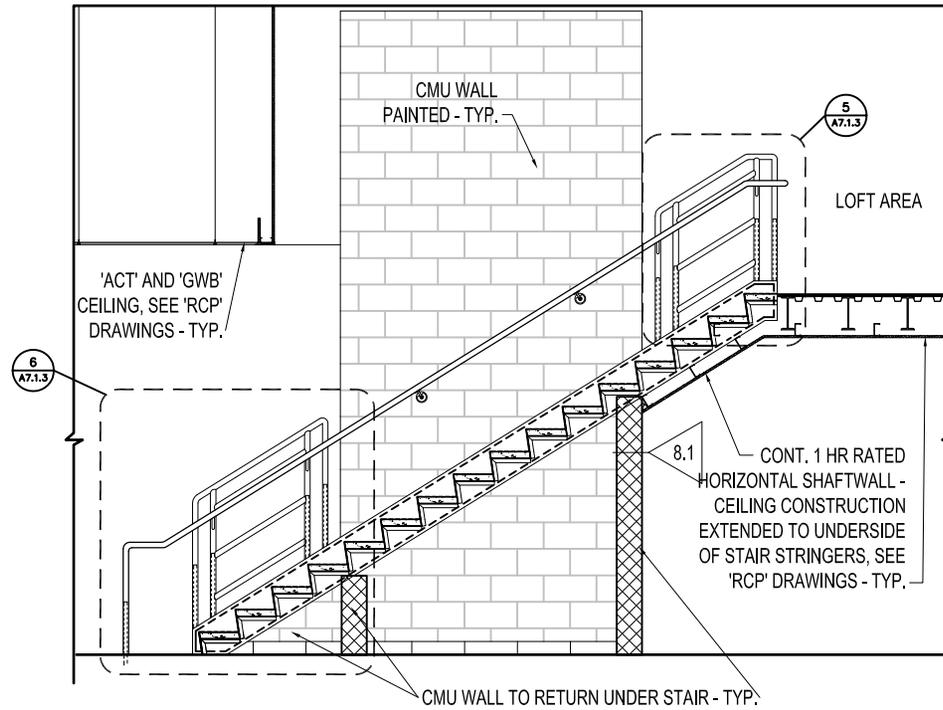
Auto Mechanics - Elevation Stair to Loft - Area E

SCALE | NTS
DRAWN BY | DRA

DCS No. | BI-RT-844-CMR
DATE | JAN. 22, 2014

REF. DWG # 4 / A7.1.3
ADDENDUM # 03

SKA-004



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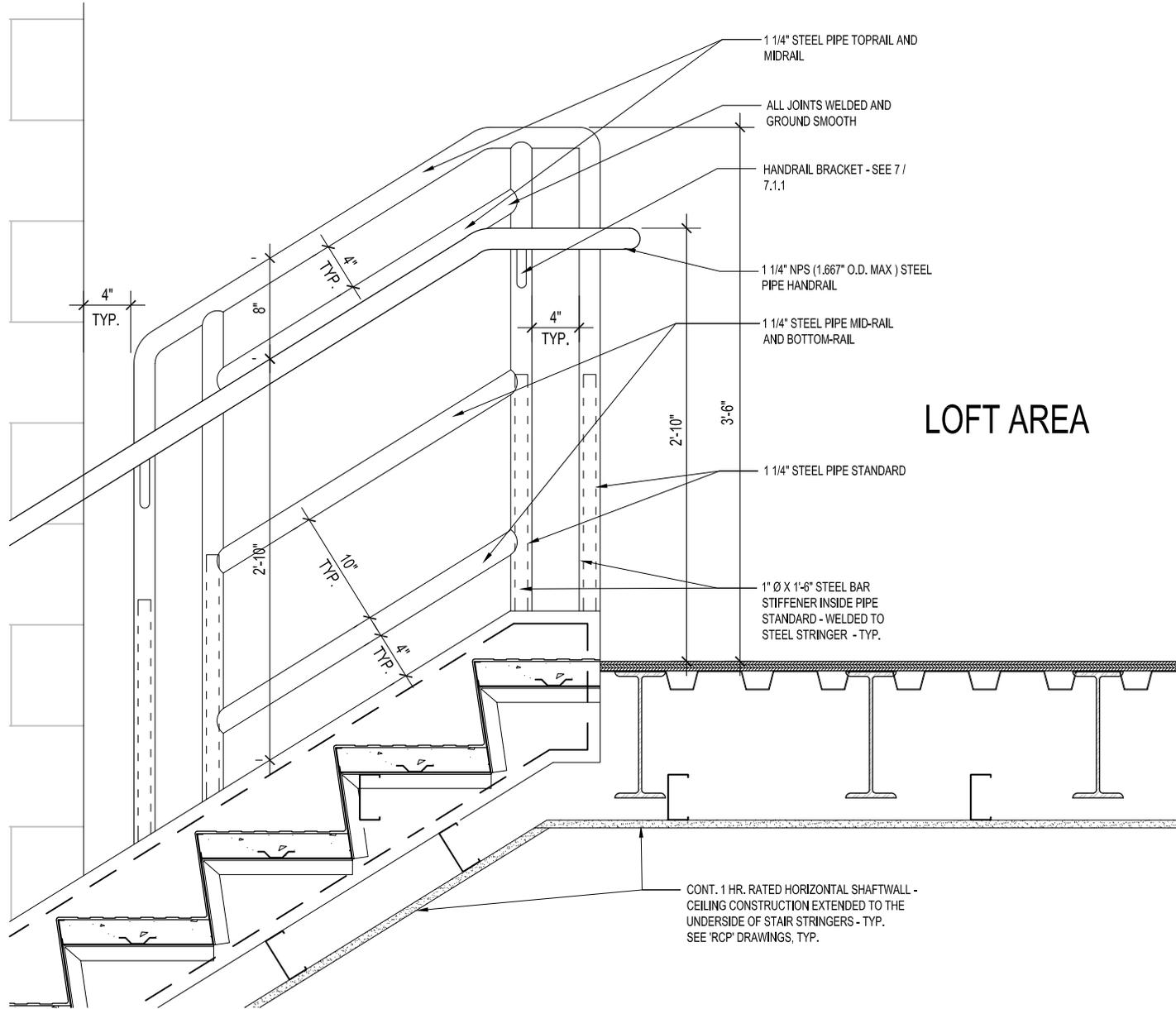
HVAC Shop - Elevation Stair to Loft - Area E

SCALE | NTS
DRAWN BY | DRA

DCS No. | BI-RT-844-CMR
DATE | JAN. 22, 2014

REF. DWG # 2 / A7.1.3
ADDENDUM # 03

SKA-005



LOFT AREA

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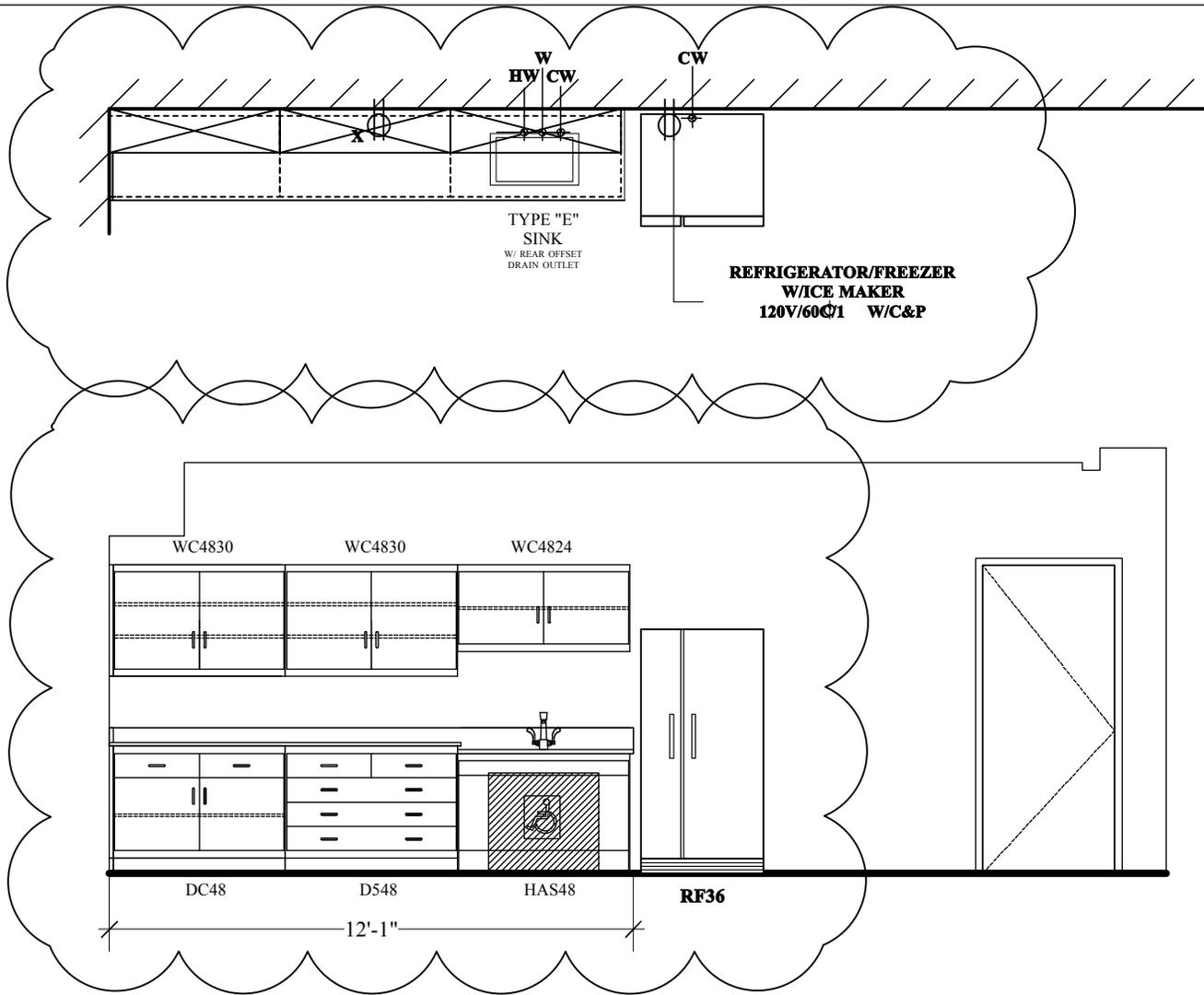
Emmett O'Brien Technical High School, Ansonia, Connecticut

Elevation Guardrail / Handrail - Top

SCALE | NTS
 DRAWN BY | DRA
 DCS No. | BI-RT-844-CMR
 DATE | JAN. 22, 2014

REF. DWG # 5 / A7.1.3
 ADDENDUM # 03

SKA-006



07
06

SC
14

COUNTER, SINK & WALL ASSEMBLY
ONE (1) REQUIRED

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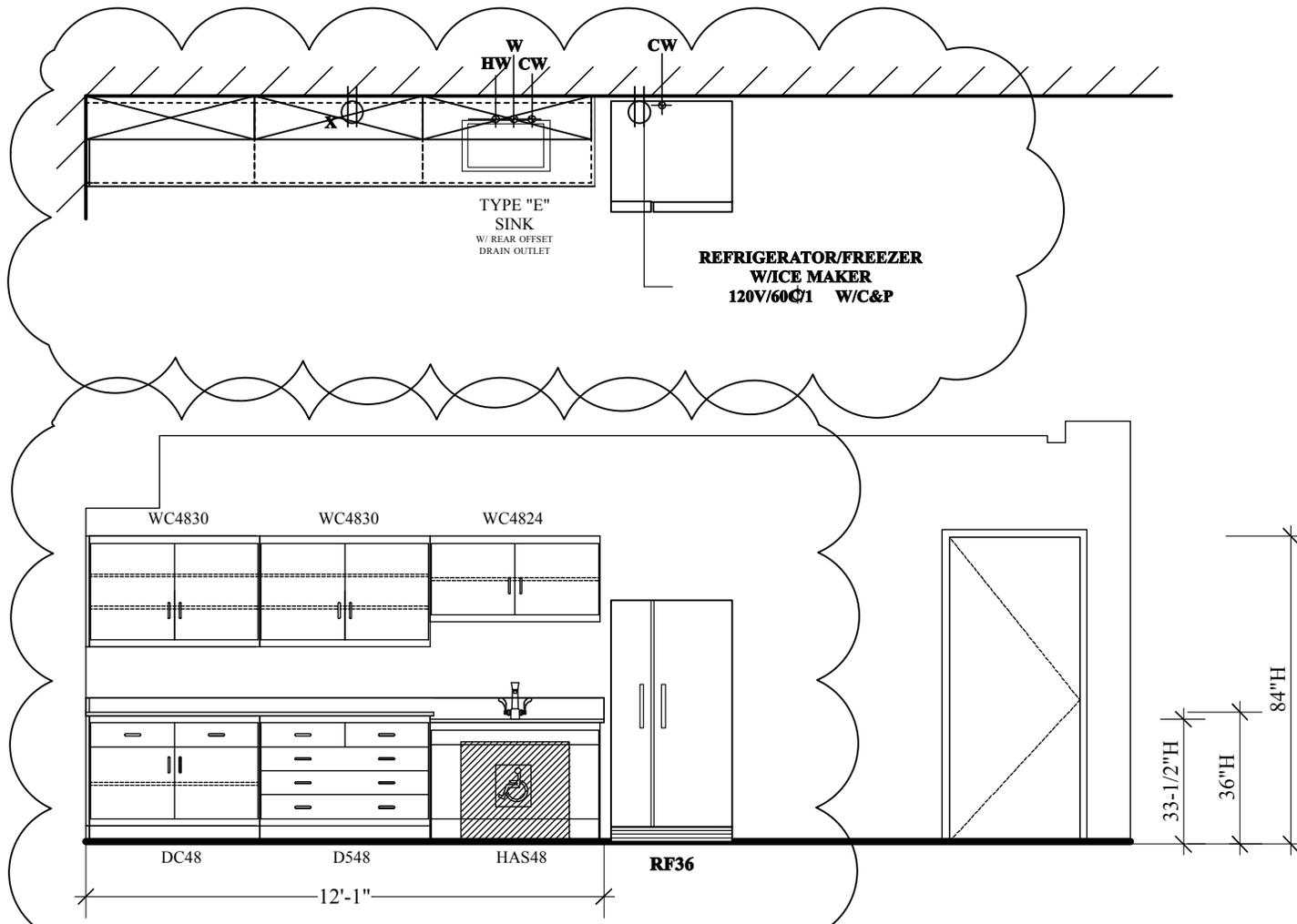
Emmett O'Brien Technical High School, Ansonia, Connecticut

REVISED SC-14

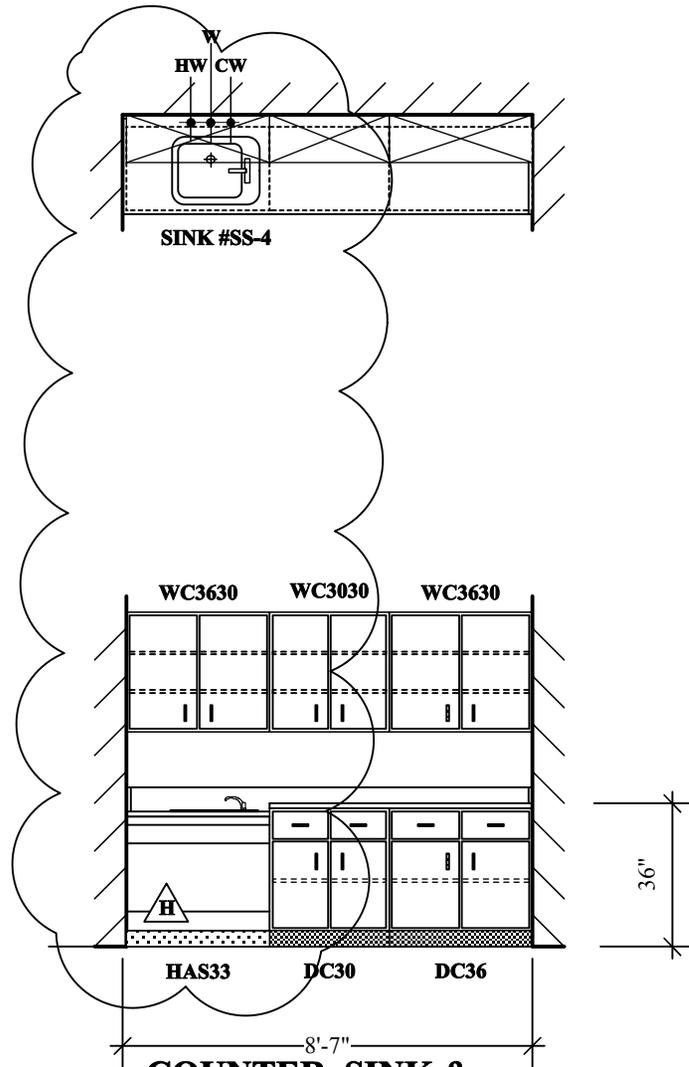
SCALE | 1/8" = 1'-0"
DRAWN BY | TDA
DCS No. | BI-RT-844-CMR
DATE | JAN. 21, 2014

REF. DWG #Eq-7

SKEQ-1



07
04 **SC**
12 **COUNTER, SINK & WALL ASSEMBLY**
ONE (1) REQUIRED

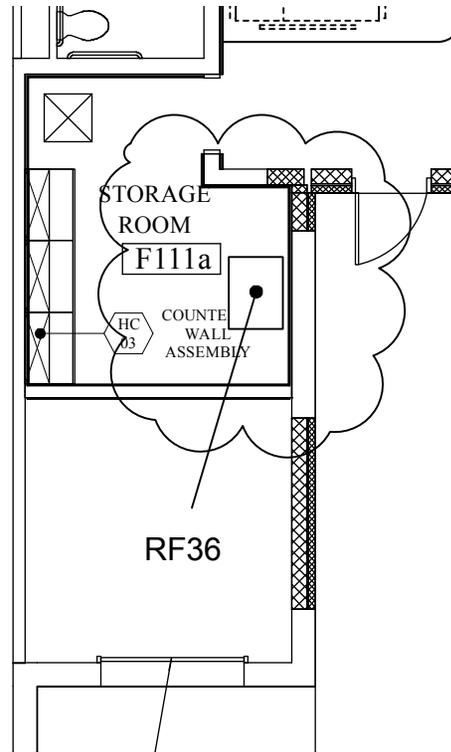


07
10

SC
18

**COUNTER, SINK &
WALL ASSEMBLY**

ONE (1) REQUIRED



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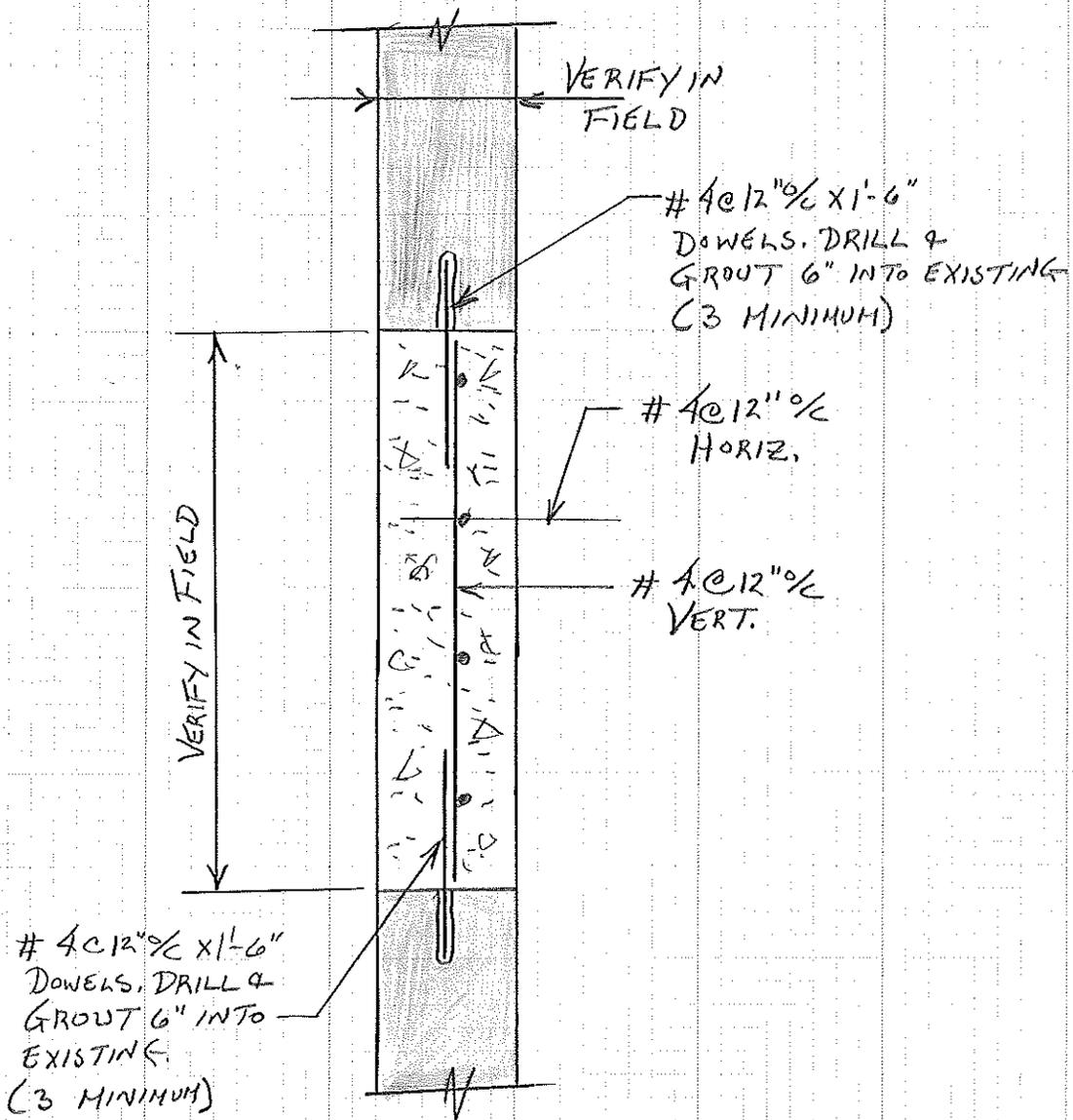
Emmett O'Brien Technical High School, Ansonia, Connecticut

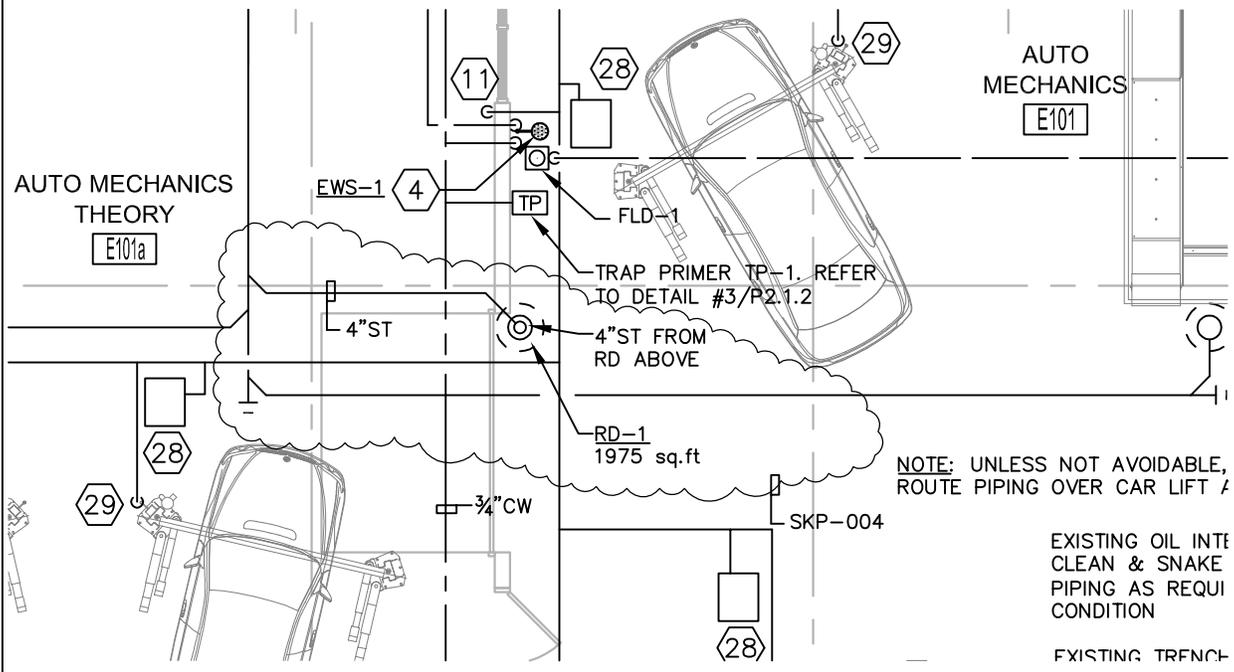
Add RF36 Refrigerator/Freezer

SCALE | 1/8" = 1'-0"
DRAWN BY | TDA
DCS No. | BI-RT-844-CMR
DATE | JAN. 21, 2014

REF. DWG #EQ-1
Addendum #3

SKEQ-5





NOTE: UNLESS NOT AVOIDABLE, ROUTE PIPING OVER CAR LIFT /

EXISTING OIL INTAKE CLEAN & SNAKE PIPING AS REQUIRED CONDITION

EXISTING TRENCH

1

PARTIAL FIRST FLOOR PLUMBING PLAN-AREA E

SCALE: 1/8" = 1'0"

Emmett O'Brien Technical High School, Ansonia, Connecticut

PARTIAL FIRST FLOOR PLUMBING PLAN-AREA E

REF. DWG: P1.1.1.E
ADDENDUM #3

SCALE | 1/8" = 1'-0"
DRAWN BY | DRA

DCS No. | BI-RT-844-CMR
DATE | JAN. 21, 2014

SKP-004

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860-644-8300

PLUMBING FIXTURE SCHEDULE

TRIM AND ACCESSORIES	REMARKS	SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION OF FIXTURE	TRIM AND ACCESSORIES	REMARKS
STATIC ALVE.	#3,4,8 	<u>S-10</u>	FIXTURE BY OTHERS REFER TO EQUIPMENT DRAWINGS FOR MORE INFORMATION	<u>SINK:</u> ACCESSIBLE,	THE CASEWORK VENDOR SHALL PROVIDE THE SINK, FAUCET STRAINER AND TAILPIECE. THE CASEWORK VENDOR WILL THEN HAND THOSE OVER TO THE PLUMBER FOR THE FINAL INSTALLATION.	#2,3,4,14
STATIC ALVE.	#3,4,8	<u>SH-1</u> 	BUILT UP BY OTHERS, REFER TO ARCHITECTURAL DRAWING FOR MORE INFORMATION	<u>SHOWER:</u> ACCESSIBLE, ACORN MODEL # SBADA-36-3F PRECAST TERRAZO RECEPTOR	SYMMONS "SAFETYMIX" MODEL #96-500-B30-L-V -X, WITH HAND SHOWER AND FLEX METAL HOSE AND SLIDE BAR, VANDAL PROOF SHOWER HEAD.	#3,4,8,10
MODEL # 21.1 CHECK DECK SINGLE TTERY SENSOR CHICAGO 21-NF ALVE	#2,3,4,7,17	<u>SH-2</u>	BUILT UP BY OTHERS, REFER TO ARCHITECTURAL DRAWING FOR MORE INFORMATION	<u>SHOWER:</u> STANDARD, FIAT MODEL # 36MFT PRECAST TERRAZO RECEPTOR	SYMMONS "SAFETYMIX" MODEL #4-500-X, WITH VANDAL PROOF SHOWER HEAD MODEL # 4-295.	#3,4,8,10

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Emmett O'Brien Technical High School, Ansonia, Connecticut

PLUMBING FIXTURE SCHEDULE

SCALE | 1/8" = 1'-0"

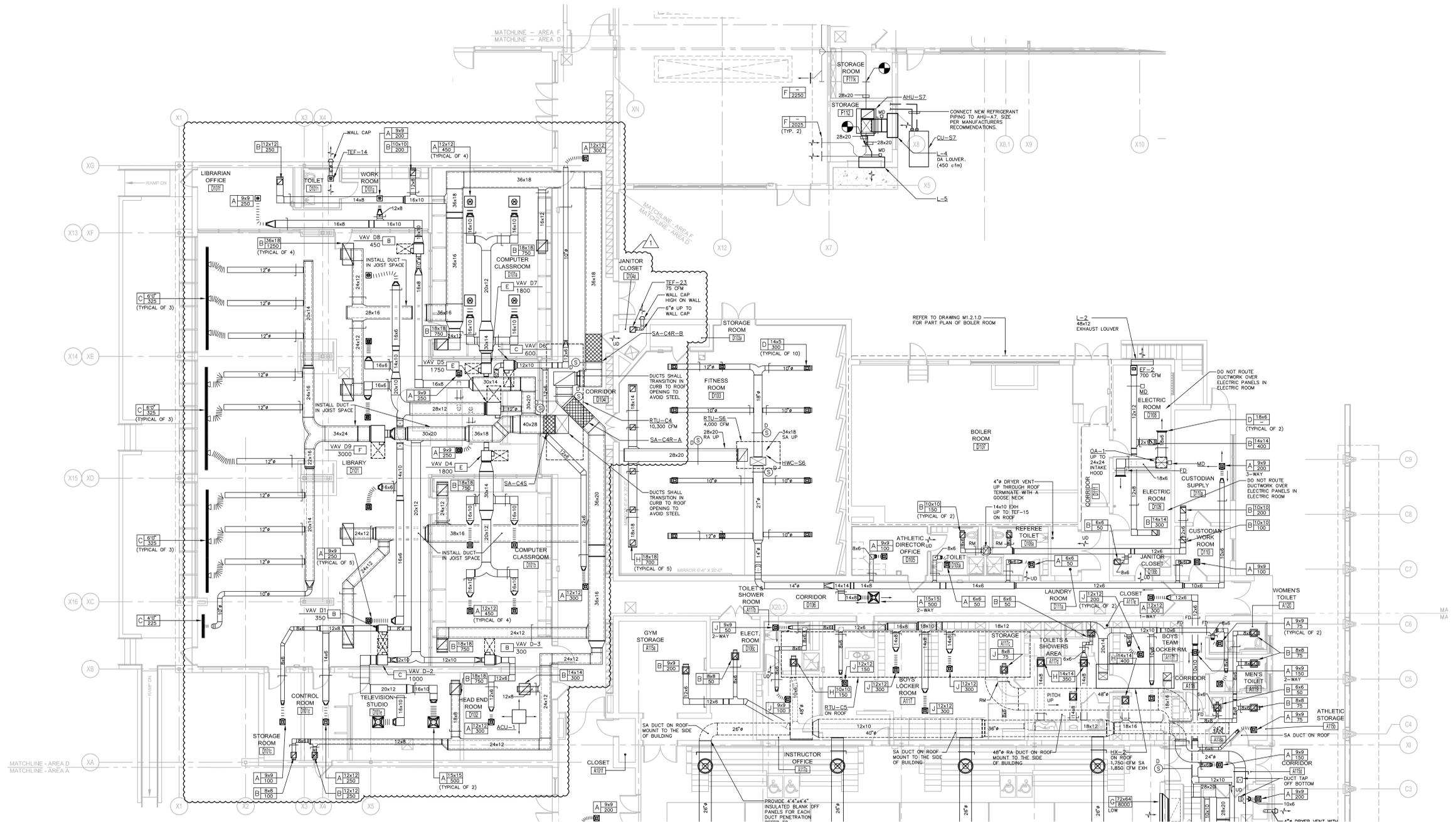
DRAWN BY | DRA

DCS No. | BI-RT-844-CMR

DATE | JAN. 21, 2014

REF. DWG: P3.1.2
ADDENDUM #3

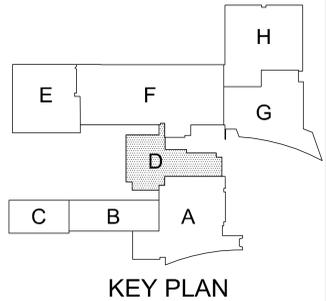
SKP-005



1 FIRST FLOOR MECHANICAL DUCTWORK PLAN-AREA D
SCALE: 1/8" = 1'-0"

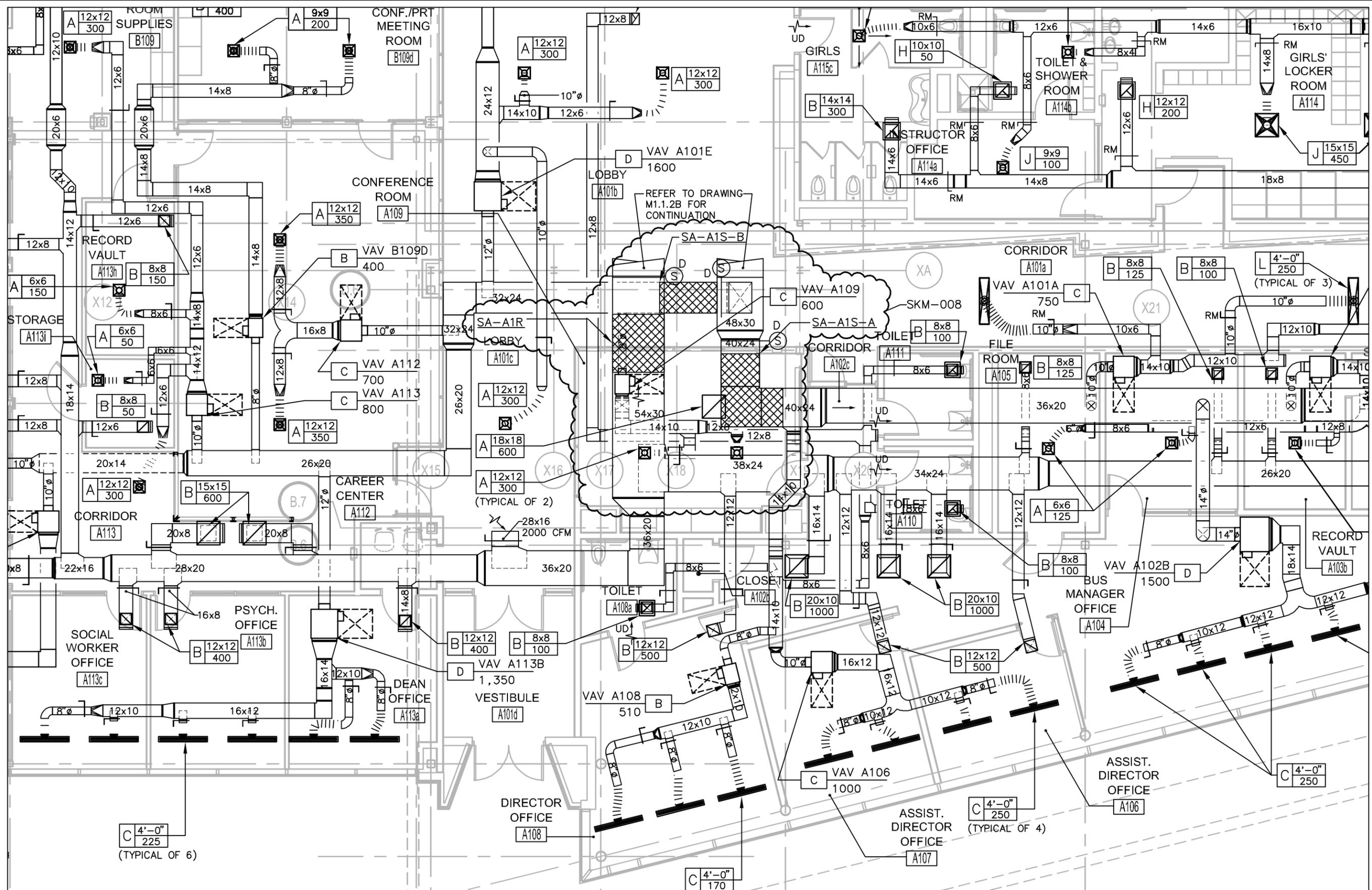
MECHANICAL RENOVATION NOTES

1. FLEXIBLE CONNECTIONS TO DIFFUSERS SHALL NOT EXCEED 8'-0" IN LENGTH.
2. CONTRACTOR SHALL "BLANK-OFF" ALL UNUSED SECTIONS OF LOUVERS WITH INSULATED PANELS (DOUBLE WALL).
3. ALL DUCTWORK CONNECTIONS TO THE LOUVERS SHALL BE MADE WITH DUCTWORK TRANSITIONS AT MAXIMUM 45° ANGLES, UNLESS NOTED OTHERWISE.
4. DUCTWORK AND PIPING LAYOUTS DO NOT SHOW ALL TRANSITIONS AND OFFSETS THAT WILL BE REQUIRED. PROVIDE COORDINATION DRAWINGS AND OFFSET DUCTWORK AND PIPING AS REQUIRED.
5. ALL PENETRATIONS THROUGH FULL HEIGHT CORRIDOR WALLS SHALL BE SEALED AND FIRESTOPPED.
6. PIPE BRANCHES TO RADIATION, UNIT HEATERS, CABINET UNIT HEATERS AND VAV BOXES SHALL BE MINIMUM 3/4" UNLESS NOTED OTHERWISE.
7. ALL EQUIPMENT ON THE ROOF SHALL BE INSTALLED MINIMUM OF 10' FROM THE EDGE OF THE ROOF. IF EQUIPMENT IS LESS THAN 10', GUARDRAILS SHALL BE INSTALLED PER OSHA.
8. ALL FLOOR MOUNTED EQUIPMENT SHALL BE INSTALLED ON CONCRETE HOUSEKEEPING PADS. ALL GRADE MOUNTED EQUIPMENT SHALL BE INSTALLED ON A CONCRETE EQUIPMENT PAD. REFER TO DETAILS ON DRAWING STRUCTURAL DRAWINGS.
9. PROVIDE VOLUME DAMPERS AT ALL DIFFUSERS, GRILLES, REGISTERS, AT ALL MAIN BRANCH DUCTS AND AS SHOWN ON THE DRAWINGS.
10. SEE DRAWINGS M-4.1.1, M-4.1.2, AND M-4.1.3, FOR TEMPERATURE CONTROL DIAGRAMS.
11. SEE DRAWINGS M-2.1.1, M-2.1.2, AND M-2.1.3 FOR DETAILS.
12. SEE DRAWINGS M-3.1.1 FOR SYMBOLS LIST.
13. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS ON GENERAL CONDITIONS, MATERIAL SPECIFICATIONS AND INSTALLATION.
14. PROVIDE (2) 2-WAY CONTROL VALVES FOR ALL HEATING UNITS, TO ISOLATE RADIATION AND COILS WHEN SYSTEM IS ON CHILLED WATER.
15. PROVIDE AN ACOUSTICALLY LINED SUPPLY AND RETURN DUCTWORK FROM THE ROOF TOP UNITS TO THE VAV BOXES. 1" THICK LINER.
16. ALL DUCTWORK DIMENSIONS INDICATED ON THE PLANS ARE CLEAR INTERNAL DIMENSIONS.
17. EXPOSED DUCTWORK IN SOUND SENSITIVE SPACES SHALL BE DOUBLE WALL CONSTRUCTION. SOUND SENSITIVE SPACES ARE CLASSROOMS, MEDIA CENTER AND STAGE.
18. PROVIDE NEW DDC CONTROLS FOR ALL EXISTING TO REMAIN EQUIPMENT.
19. RADIATION IN THE FIRST FLOOR CLASSROOMS SHALL BE SERVED BY NEW HOT WATER PIPING IN THE TUNNELS.
20. THE EXISTING STEAM SYSTEM SHALL BE PHASED OUT AS EACH PORTION OF THE BUILDING IS RENOVATED. NEW SPACES SHALL BE SERVED BY THE HOT WATER SYSTEM.
21. ALL HYDRONIC EQUIPMENT SHALL BE SIZED FOR 30% PROPYLENE GLYCOL.
22. MAINTAIN THE EXISTING CONTROLS SYSTEM DURING RENOVATION. REMOVE UPON COMPLETION.
23. COORDINATE ALL ROOF OPENINGS WITH NEW AND EXISTING STRUCTURE. ADJUST FINAL ROOF EQUIPMENT LOCATIONS TO AVOID CONFLICTS WITH STEEL.
24. ALL DUCTWORK ABOVE MEZZANINES SHALL BE MOUNTED TIGHT TO THE ROOF DECK AND SHALL BE CONSTRUCTED WITH 18 GAUGE SHEET METAL.
25. MOUNT ALL DUCTWORK TIGHT TO STRUCTURE UNLESS INDICATED OTHERWISE.



KEY PLAN

		drawing title FIRST FLOOR DUCTWORK PLAN AREA D		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
		REVISIONS mark date description 1 01/21/14 ADDENDUM #3		drawing prepared by DRUMMEY ROSANE ANDERSON, INC. WINDSOR, CONNECTICUT	
project RENOVATIONS AND ADDITIONS TO EMMETT O'BRIEN TECHNICAL HIGH SCHOOL ANSONIA, CONNECTICUT		date 10/23/13 scale 1/8"=1'-0"		drawn by GRD approved by SRC drawing no. M1.1.ID	
CAD no.		project no. BLRT-844			



1 FIRST FLOOR MECHANICAL DUCTWORK PLAN-AREA A
 SCALE: 1/8" = 1'0"

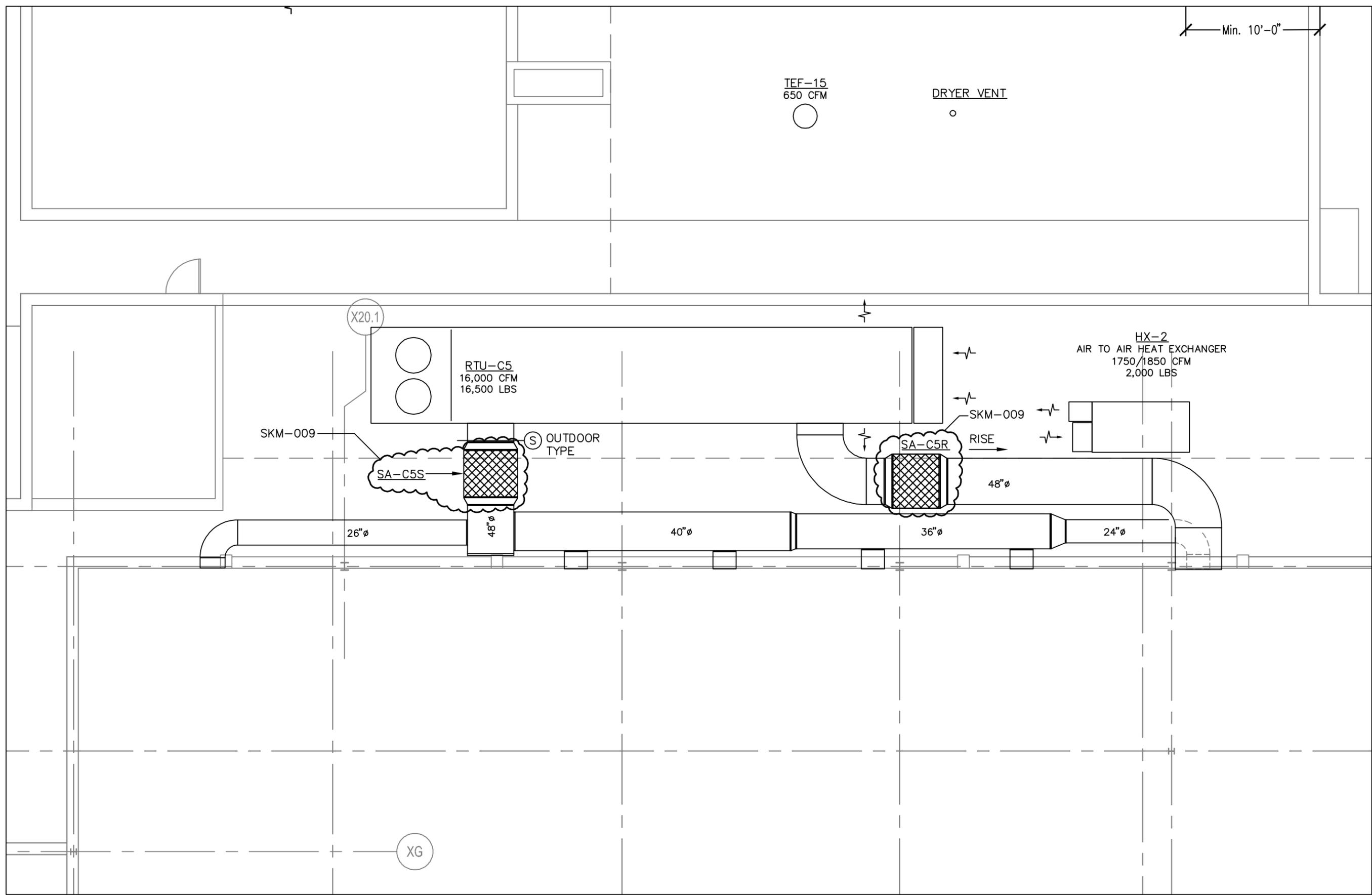
REF.DWG: M1.1-1A
 ADDENDUM #3

SCALE | 1/8" = 1'-0"
 DRAWN BY | DRA
 DCS No. | BI-RT-844-CMR
 DATE | JAN. 21, 2014

Emmett O'Brien Technical High School, Ansonia, Connecticut
FIRST FLOOR DUCTWORK PLAN - AREA A

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 Studio 205
 225 Oakland Road
 South Windsor, CT 06074
 860-644-6300

SKM-008



1 ROOF MECHANICAL PLAN-AREA A
 SCALE: 1/8" = 1'0"

Emmett O'Brien Technical High School, Ansonia, Connecticut

ROOF MECHANICAL PLAN - AREA A

Drumme Rosane Anderson, Inc.

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 860-644-6300

SCALE | 1/8" = 1'-0"

DRAWN BY | DRA

DCS No. | BI-RT-844-CMR

DATE | JAN. 21, 2014

REF.DWG: M1.1.3A

ADDENDUM #3

SKM-009

SKM-010

SOUND ATTENUATOR SCHEDULE

SYMBOL	MANUFACTURER/ MODEL NUMBER	AIR FLOW (CFM)	AIR PD (IN WG)	FACE VELOCITY (FPM)	DYNAMIC INSERTION LOSS (DB)								UNIT DIMENSIONS	OPERATING WEIGHT	REMARKS
					OCTAVE BAND (HZ)										
					63	125	250	500	1K	2K	4K	8K			
SA-A1S-A	VIBRO-ACOUSTIC RED-UHV-F9	9,200	0.16	1380	5	7	12	18	31	37	23	21	40X24X60		-
SA-A1S-B	VIBRO-ACOUSTIC RD-HV-F8	6,800	0.11	1275	4	6	13	25	32	24	18	15	32X24X60		
SA-A1R	VIBRO-ACOUSTIC RD-MHV-F2	13,000	0.13	1156	5	11	18	24	23	18	14	11	54X30X60		-
SA-C4S	VIBRO-ACOUSTIC RED-UHV-F2	10,100	0.11	1299	6	9	12	23	25	26	20	17	40X28X60		-
SA-C4R-A	VIBRO-ACOUSTIC RD-MV-F7	4,650	0.14	930	3	9	22	37	39	31	19	13	36X20X60		-
SA-C4R-B	VIBRO-ACOUSTIC RD-MV-F7	4,450	0.16	990	3	9	22	37	39	31	19	13	36X18X60		-
SA-C5S	VIBRO-ACOUSTIC CD-LV-F2	16,000	0.12	1273	4	7	17	26	31	24	14	7	56"ØX48		OUTDOOR
SA-C5R	VIBRO-ACOUSTIC CD-LV-F2	16,000	0.12	1273	4	7	19	27	34	26	14	7	56"ØX48		OUTDOOR

REMARKS:

1.

REF. DWG: M3.1.2
ADDENDUM#3

SKM-010

SCALE | N.T.S.
DRAWN BY | DRA

DCS No. | BI-RT-844-CMR
DATE | JAN. 21, 2014

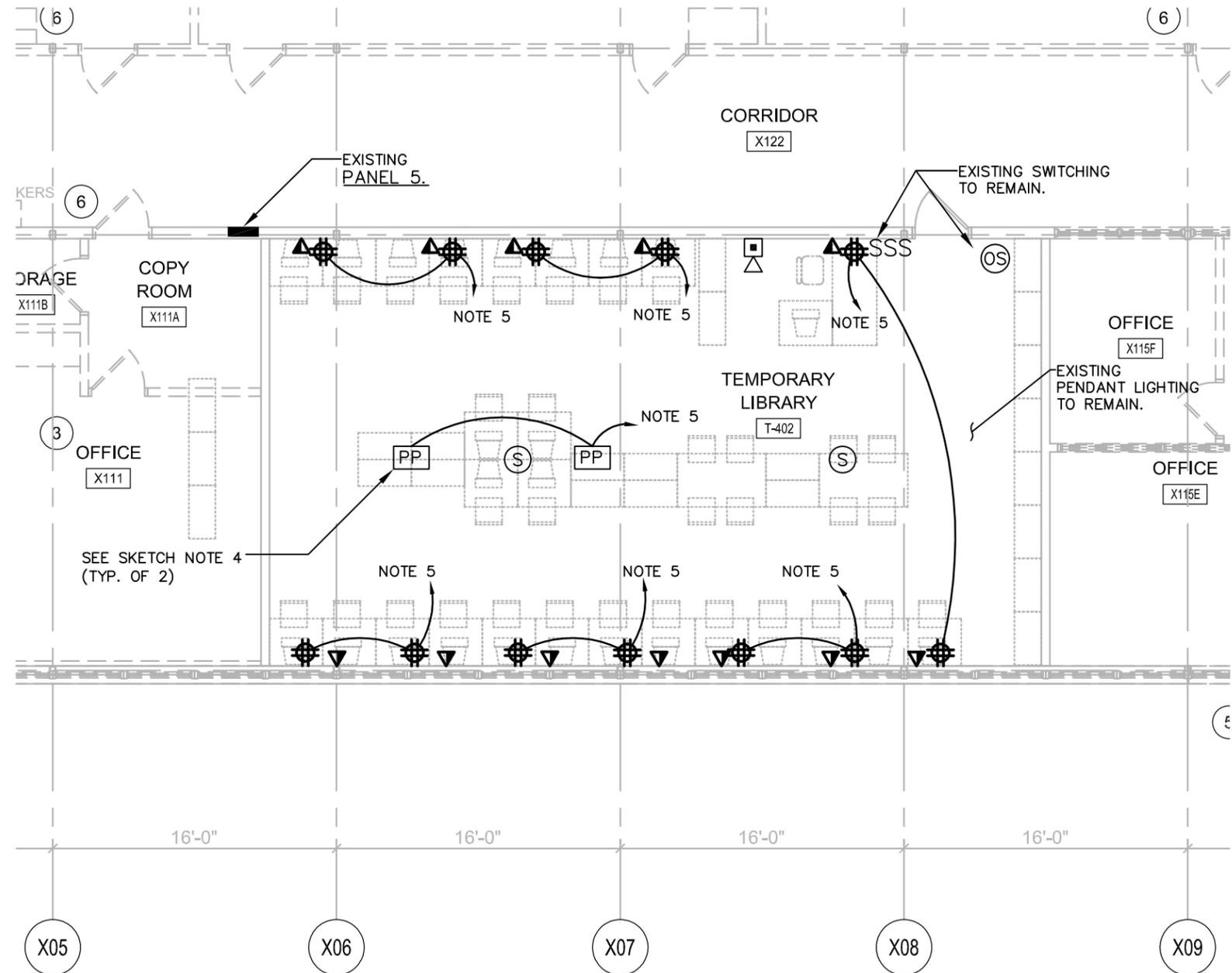
Emmett O'Brien Technical High School, Ansonia, Connecticut

MECHANICAL SCHEDULES

D.R.A. Drummey Rosane Anderson, Inc.
Studio 205
225 Oakland Road
South Windsor, CT 06074
860-644-6300

SKETCH NOTES

- UNLESS NOTED OTHERWISE, WHEN SWING SPACE IS VACATED REMOVE ALL DEVICES AND WIRING IN THEIR ENTIRETY, CLEAN, STORE AND RE-USE ELSEWHERE ON PROJECT.
- SEE DWG. ED1.1.1B FOR DEMOLITION REQUIREMENTS AFTER TEMPORARY LIBRARY USE.
- SEE DWG.'S EL1.1.1B AND EP1.1.1B FOR FINAL WORK IN THIS AREA.
- PROVIDE WIREMOLD #30TC-4V STEEL POWER POLE OR APPROVED EQUAL WITH (2) DUPLEX RECEPTACLES AND (1) MODULAR COMMUNICATIONS MOUNTING FRAME AND COVER. LOCATE RECEPTACLES AND COMMUNICATIONS FRAME AT 18" AFF. PROVIDE ALL REQUIRED ENTRANCE FITTINGS, FLOOR PLATES, CEILING PLATES, COVERS AND EXTENDERS.
- RE-CONFIGURE RECEPTACLE CIRCUITING IN ROOM AS SHOWN. PROVIDE NEW 20A-1P CIRCUIT BREAKER TO MATCH EXISTING IN PANEL 5 IN NEXT AVAILABLE SPACE FOR NEW CIRCUITS AS REQUIRED.



REF. DWG: ED1.1.1B
ADDENDUM #3

SKE-006

SCALE | 1/8" = 1'-0"

DRAWN BY | DRA

DCS No. | BI-RT-844-CMR

DATE | JAN. 22, 2014

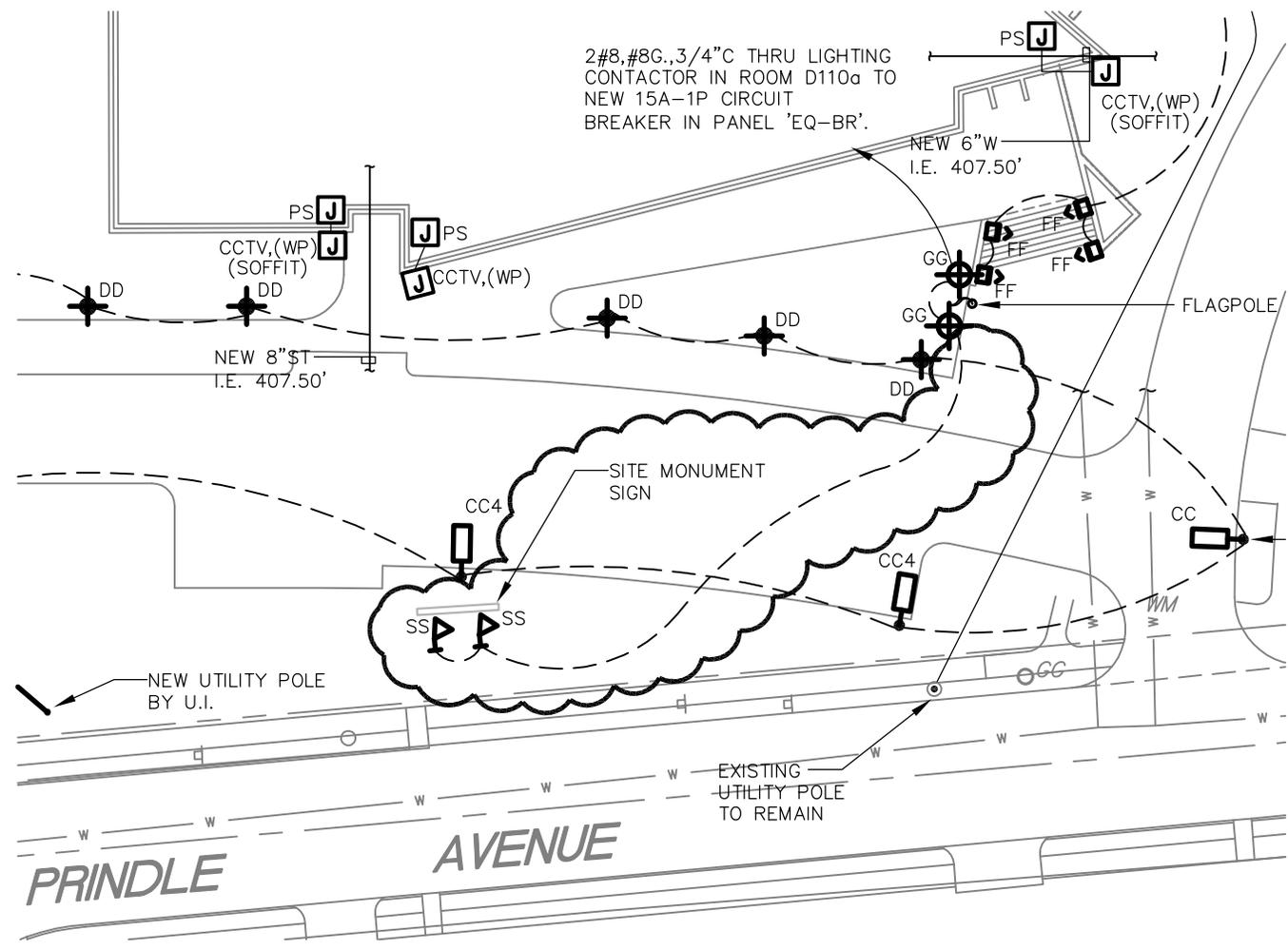
Emmett O'Brien Technical High School, Ansonia, Connecticut

FIRST FLOOR ELECTRICAL TEMP. LIBRARY - AREA B

Drummeey Rosane Anderson, Inc.

Studio 205
225 Oakland Road
South Windsor, CT 06074
860-644-6300

D·R·A



2#8, #8G, 3/4" C THRU LIGHTING CONTACTOR IN ROOM D110α TO NEW 15A-1P CIRCUIT BREAKER IN PANEL 'EQ-BR'.

SKETCH NOTES:

- LOCATE TYPE SS FIXTURES WITH 3'-6" SETBACK FROM MONUMENT SIGN & 5'-0" SPACING, CENTERED ON SIGN. PROVIDE POURED IN PLACE CONCRETE FOOTING, WP JUNCTION BOX AND GRC CONDUIT STUB UP FOR MOUNTING.

TYPE SS FIXTURE DESCRIPTION:

PHILIPS HADCO #WAM1D-C-A. LED FLOOD LIGHT WITH DIE-CAST ALUMINUM HOUSING; CLEAR TEMPERED GLASS LENS; 1/2" NPS ADJUSTABLE, LOCKABLE SWIVEL ARM MOUNTING; 12W LED ARRAY.

D·R·A Drummey Rosane Anderson, Inc.
 Studio 205
 225 Oakland Road
 South Windsor, CT 06074
 860-644-8300

Emmett O'Brien Technical High School, Ansonia, Connecticut

SITE UTILITY PLAN - MONUMENT SIGN LIGHTING

SCALE | 1" = 40'-0"
 DRAWN BY | RSM
 DCS No. | BI-RT-844-CMR
 DATE | JAN. 22, 2014

REF. DWG #SU1.1.1
 ADDENDUM #3

SKE-007