

ADDENDUM NO.: 2  
 DATE OF CMR ADDENDUM: 01.22.2013

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

<b>Project Name:</b>	<b>Southern Connecticut State University Buley Library Renovation</b>
<b>Project Location:</b>	<b>New Haven, CT</b>
<b>Project Description:</b>	<b>Core &amp; Shell &amp; Fit-Out</b>
<b>Project Construction Budget:</b>	<b>20.7 Million</b>
<b>CT DCS Project Number:</b>	<b>BI-RS-225B CMR</b>

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

**CMR Information:**

<b>CMR Firm:</b>	<b>Skanska USA Building Inc.</b>
<b>Address:</b>	<b>545 Long Wharf Drive, 6<sup>th</sup> Floor</b>
<b>Contact Name:</b>	<b>Kate Westrin</b>
<b>Contact Phone Number:</b>	<b>203-859-7708</b>
<b>Contact Email Address:</b>	<b>Kate.westrin@skanska.com</b>

**Addendum Information is available as follows:**

<b>CMR Website and/or FTP Site:</b>	<a href="https://partners.myskanska.com/usa/clients/scsu/Buley/SitePages/Home.aspx">https://partners.myskanska.com/usa/clients/scsu/Buley/SitePages/Home.aspx</a>
<b>Printing Company:</b>	<b>Service Point USA - 203-624-0079</b>

Copies:  DCS Project Manager  DCS Process Management ([randy.daigle@ct.gov](mailto:randy.daigle@ct.gov))  
 DCS Process Management ([peter.babey@ct.gov](mailto:peter.babey@ct.gov))



January 22<sup>nd</sup>, 2013

**ADDENDUM NO. 2**

**BID DUE DATE:** **Friday, February 8<sup>th</sup>, 2013 by 11AM**  
**TIME:** Reference Bid Receipt and Opening Schedule in Division 0  
**PROJECT:** SCSU Buley Library Renovations  
Project No. BI-RS-225B CMR  
**SUBMITTED TO:** Michael J. Adanti Student Center  
Southern Connecticut State University  
501 Crescent Street  
New Haven, Connecticut 06515  
  
C/O: Skanska USA Building Inc.  
Attention: Kate Westrin

**I. GENERAL ITEMS:**

1. Please note the following bid dates have changed:
  - A. **Follow-up Site Visit on Monday January 28<sup>th</sup>, 2013 from 8AM-11AM.**
    - i. **BP-05A (Reference RFI #60)**
    - ii. **BP-07B (Reference RFI #77)**
    - iii. **BP-09C (Reference RFI #124)**
    - iv. **Other trades are welcome to review existing conditions related to their scope of work**
2. Please note the Pre-Bid Agenda and Sign-in Sheet are available on the project website for review, under 'Bid Docs': <https://partners.myskanska.com/usa/clients/scsu/Buley/SitePages/Home.aspx>
3. State of Connecticut DPW/DCS Change Order Proposal Workbook Form 735 is attached for reference. Per the revised Bid Proposal Form, subcontractors shall be responsible to complete this form with any proposed change order proposals. Skanska will provide an electronic copy of this document to successful bidders for use during the project.
4. Please note Bid Packages 13A, 13B and 15B are required to provide bid bonds and payment and performance bonds in accordance with the contract documents.
5. BP-15A is advised to review M-001 "Mechanical General Notes" in preparation of their bid.
6. Please incorporate the attached revised Table of Contents into Division 0. This document reflects:
  - A. REVISED 00 21 13 Instructions to Bidders
  - B. REVISED 00 31 13 Project Schedule
  - C. REVISED 00 41 00 Bid Proposal Form
7. Please incorporate the revised 00 21 13 Instructions to Bidders into Division 0. This document reflects:
  - A. REVISED Section 4.3.5 omitting bid attachment requirement for 'Small Contractor & Minority Business Enterprise Goals and/or Good Faith Effort Contractor Attachment IIIa (Section 00 43 39.2)'
8. Please incorporate the revised 00 31 13 Project Schedule into Division 0. This document reflects:
  - A. REVISED Schedule 'BL05' data date 15-January-13 issued
9. Please incorporate the revised 00 41 00 Bid Proposal Form- Addendum #2 into Division 0. This document reflects:
  - A. REVISED Part 1, Note 3
  - B. REVISED Section 5 ADDENDA

- C. REVISED Section 7 SUPPLEMENTAL BIDS
- D. REVISED Part 11 "CHANGE ORDERS/ALLOWABLE MARKUPS"

## **II. SCOPE CLARIFICATIONS/CHANGES:**

### **BP-02 SITEWORK**

- 1. OMIT Item #41- No stone ballast strip
- 2. MODIFY Item #48 to read- "This Subcontractor shall furnish and install all site furnishings included but not limited to bike racks and flagpoles. This Subcontractor shall install waste receptacles and benches furnished by the Owner. Note: Electrical ground lighting for glag pole will be completed by BP-16"
- 3. ADD Item #95- "This Subcontractor shall furnish and install temporary covered walkway as identified on the Site Logistics Plan"

### **BP-02A LANDSCAPING**

- 1. OMIT Item #8- No gravel drip strips.

### **BP-02C SITE CONCRETE**

- 1. MODIFY Item #6 to add the following statement- "...Also reference architectural details 13/L106, 12/A321 and 13/A321"

### **BP-03 CONCRETE**

- 1. MODIFY Item #4 to add reference to structural drawings.
- 2. MODIFY Item #6 to add reference to structural drawings.
- 3. MODIFY Item #21 as follows- "...Scope of Work includes drilling, dowels, new and existing foundation wall interface steel angles, epoxy, fillers, grout, caulking, etc. As shown or required for a complete installation."
- 4. MODIFY Item #25 to add the following statement- "...This Subcontractor is responsible for coordination with BP-04 and the precast manufacturer/supplier as required for a complete installation."
- 5. MODIFY Item #54 : " ...will perform measurements within seventy-two (72) hours..."
- 6. ADD Item #82- "This Subcontractor is responsible for furnishing and installing all concrete for ornamental metal stairs. Pour stops shall be provided by BP-05A."

### **BP-04 MASONRY / PRECAST**

- 1. MODIFY Item #7 to add the following statement- "...This Subcontractor is responsible for coordination with BP-03 and the precast manufacturer/supplier as required for a complete installation."
- 2. MODIFY Item #38 to add the following statement- "...This Subcontractor shall provide a professional caulker in accordance with the specifications for caulking within the masonry Scope of Work."
- 3. MODIFY Item #55 to add the following statement- "...This Subcontractor shall enlist the services of a Professional Engineer to provide engineered support for scaffolding and material loading at all locations not on a structural beam."

### **BP-05 STRUCTURAL STEEL**

- 1. MODIFY Item #13 as follows- "This Subcontractor is responsible for furnishing and installing all diagonal braces, galvanized vertical support angles and galvanized precast lintel horizontal support angles and coordinate materials and supports with precast manufacturer. Refer to detail B/S-202 for an example of this condition."
- 2. MODIFY Item #16- "This Subcontractor is responsible..."
- 3. MODIFY Item #29 Adding the following statement- "...Details of corrections along with notes to be submitted for review by Engineer of Record for review prior to any corrections being performed."
- 4. MODIFY Item #34 as follows- "...required for head and jamb attachment of curtainwall / storefront / folding partitions / entrance systems..."
- 5. ADD Item #63- "Use and support of mechanical lifting devices, etc. On new and/or existing concrete slabs on grade and existing and/or new framed floor slabs are the responsibility of the

- subcontractor. Any repairs to damaged new and/or existing concrete slabs or framing is the responsibility of same contractor. Repairs to be submitted for review prior to any repair work.”
6. ADD Item #64 – “This Subcontractor is responsible for patching metal deck at all concrete infill locations, all upper floors. Reference structural plans and architectural demolition plans.”

#### **BP-05A MISCELLANEOUS METALS**

1. MODIFY Item #5 as follows- “This Subcontractor is responsible for furnishing and installing all ornamental metal stairs and associated pour stops. Scope of Work includes all shop drawings, engineering, shop finishing, field measuring, samples, and field coordination with other trades, hardwood treads and wood handrails. BP-03 will be responsible for providing concrete pan infill.”
2. MODIFY Item #10 as follows- “...A-302 for additional information. This Subcontractor is responsible for coordination with the owner’s stained glass supplier/installer and BP-08 for a complete installation. This Subcontractor shall include a site visit to stained glass supplier’s facility in Needham, MA prior to submission of shop drawings. Note: All stained glass will be furnished and installed by the owner’s stained glass supplier/installer, with shims and wood trim coordinated and installed by BP-08 Subcontractor.”

#### **BP-07 ROOFING**

1. MODIFY Item #4 as follows- “This Subcontractor will be responsible for furnishing and installing all concealed spray-on fireproofing, exposed fire-resistive coatings (intumescent paint), and sealers.”

#### **BP-08 CURTAINWALL / STOREFRONT / METAL PANELING & FIRE RATED GLASS ASSEMBLIES**

1. MODIFY Item #5 to read- “This Subcontractor shall furnish and install all shims and wood trim required for a complete installation of stained glass windows. This Subcontractor is responsible for coordination with owner’s stained glass supplier/installer and coordination with steel framing supports for stained glass furnished and installed by BP-05A. Coordination shall include a site visit to stained glass supplier’s facility in Needham, MA prior to submission of shop drawings in order to field measure stained glass units to be installed. Refer to drawing A-302 for additional information.”
2. MODIFY Item #12 as follows- “...Note: Fire rated assemblies specified in section 08 41 23 are limited to the following areas: Stair A next to RM208 and Stair B next to RM493A.”
3. MODIFY Item #23 as follows- “This Subcontractor shall be responsible for engineering the windows, curtainwall, sunshade and eyebrow systems...”
4. MODIFY Item #40 as follows- “...providing all handicap push buttons ~~and steel posts for~~ and mounting of push buttons for each location.”
5. MODIFY Item #66 as follows- “This Subcontractor shall provide a metal panel material allowance to be used for re-fabricating metal panels to be used at the discretion of Skanska. This Subcontractor shall assume 5% of total metal panel square footage.”
6. MODIFY Item #80 Adding the following statement “...This Subcontractor shall enlist the services of a Professional Engineer to provide engineered support for scaffolding and material loading at all locations not on a structural beam””

#### **BP-09 GYPSUM BOARD ASSEMBLIES**

1. ADD within ‘SCOPE OF WORK/SUPPLY:’ Spec. Section 05 50 00 Miscellaneous Metals (As it Pertains to this Scope of Work)
2. Modify Item #7 as follows- “This Subcontractor will be responsible for modifying temporary first floor “floor protection” described in item #6 for installation of first floor framing. Modifications include cutting membrane as required to install metal stud framing then re-sealing membrane as required for a water tight seal.”
3. ADD Item #95- “This Subcontractor is responsible for furnishing and installing all blocking required for toilet accessories. This Subcontractor shall coordinate with BP-10 Subcontractor. BP-10 shall provide all toilet accessories to this contractor for installation.”
4. ADD Item #96- “This subcontractor is responsible for demolition and rework of ceilings required for HVAC ductwork tie in to existing system in ground floor corridor 001L, Elevators 098C/D lobbies, ground floor rooms 002, 003, 004, 005 and first floor corridor 100H. Reference mechanical drawings.”

### **BP-09A ACOUSTICAL CEILINGS**

1. ADD Item #25- "This subcontractor is responsible for demolition and rework of ceilings required for HVAC ductwork tie in to existing system in ground floor corridor 001L, Elevators 098C/D lobbies, ground floor rooms 002, 003, 004, 005 and first floor corridor 100H. Reference mechanical drawings."

### **BP-09D POURED TERRAZZO**

1. OMIT Item #10- ~~This Subcontractor is responsible for furnishing and installing all epoxy terrazzo stair treads at ornamental metal stairs.~~ *(Epoxy terrazzo stair treads omitted from project)*

### **BP-13B FIRE ALARM**

1. ADD Item #34- "This subcontractor shall assume that all wiring is plenum rated regardless of whether or not it is shown on the contract documents."

### **BP-15 PLUMBING**

1. MODIFY Item #9, Add the following statement- "...This Subcontractor shall assume that all piping and accessories are plenum rated regardless of whether or not it is shown on the contract documents."
2. MODIFY Item #46 Add the following statement- "...Discharge piping shall be 2" threaded galvanized steel pipe discharged to site storm system."

### **BP-15A HVAC**

1. ADD Item #103- "This subcontractor shall provide condensate drain piping from all air handlers to local floor drains in the associated mechanical rooms they reside per the mechanical schedules on M-300."
2. ADD Item #104- "This subcontractor shall be responsible for the removal and proper disposal of the existing chiller CH-2 located in mechanical room 205. Removal includes rigging and removal through the existing areaway."
3. ADD Item #105- "This subcontractor shall be responsible for the modification or addition to the refrigerant detection system, and shall provide refrigerant detection for both the existing chiller CH-1 and the new chiller CH-2 installation."
4. ADD Item #106- "This subcontractor shall assume that all wiring is plenum rated regardless of whether or not it is shown on the contract documents."

### **BP-15B HVAC INSTRUMENTATION AND CONTROLS**

5. MODIFY Item #9 Add the following statement- "...All cabling to be plenum rated regardless of whether or not it is shown on the contract documents."
6. MODIFY Item #26 Add the following statement- "...This subcontractor shall provide lighting controls interface to the existing blue box systems and newly installed lighting control systems. Modify the blue boxes as required to facilitate control interface."
7. MODIFY Item #27 Add the following statement- "...This subcontractor shall provide exterior clock controls."

### **BP-16 ELECTRICAL**

8. MODIFY Item #77 adding the following statement- "...This subcontractor shall include furnish and installation of four (4) temporary emergency lights at the ground level. Emergency lighting shall be wired back to the nearest emergency panel."
9. OMIT item #58- ~~"This Subcontractor is responsible for furnishing and installing a complete fully operational Audio Visual System..."~~
10. ADD Item #97- "All wiring and cabling to be plenum rated whether or not it is shown on the contract documents."
11. ADD Item #98- "This subcontractor shall be responsible for making safe existing electrical room panels and providing temporary electrical room signage at the ground level prior to the start of construction activities."

## **III. SUBCONTRACTOR RFIs:**

Subcontractor RFI's #1-159 are attached and incorporated into the Bid Documents.

#### **IV. DRAWINGS AND SPECIFICATION CLARIFICATIONS/CHANGES:**

1. AD-101 Omit Note- ~~“Demo. Conc. Slab For Future Mechanical Shaft, See Structural Drawings”~~ North of Elevator 098B. All other demo notes on AD-101 remain in the demolition plans, including demo of existing walls North of Elevator 098B. Mechanical shaft requires concrete cutting at floors 2, 3, and 4 only, as shown on structural drawings.
2. A-800 MODIFIED as follows- Door Schedule: Penthouse Floor Mechanical Room Door 501.1
  - a. Door A, Frame M3/A815
  - b. Jamb 6/A814
  - c. Head 1/A815
  - d. Sill 4/A320
3. A-812 MODIFIED as follows- Details 1, D1, D2, D3, D4 should be reference to drawing sheet A812, not A810.
4. ED-100 MODIFIED. Added note #11 clarifying loop splice.
5. A-102, A-103 and A-104 MODIFIED Core & Shell drawing note #12 revised to read: “E.C. shall install self-contained two lamp heads emergency lighting fixtures by McPhilben or approved equal, connected to the local normal power panels, for illumination levels of at least 2 ft.cd. at the floor level. The fixtures shall be spaced at approximately 40’ on the perimeter and two fixtures at the stairwell doors, a total of approximately 12 units/floor.”
6. Incorporate SCSU Buley Library Sketch Log with associated sketches issued via Addendum #2 as follows:
  - a. B-SKL-01 Added Site Plan Detail
  - b. B-SKA-01 Plaster Ceiling
  - c. B-SKA-02 Light Fixture
  - d. B-SKP-01 Sump Pump Clarifications
  - e. B-SKP-02 Sump Pump Clarifications
  - f. B-SKP-03 Fixture Schedule Revisions
  - g. B-SKP-04 Water Heater Schedule Revisions
  - h. B-SKM-01 AHU-5 Condensate Piping
  - i. B-SKM-02 AHU-1 Condensate Piping
  - j. B-SKM-03 AHU-3 Condensate Piping
  - k. B-SKM-04 Cooling Tower Overflow Drain
  - l. B-SKM-05 Cooling Tower Schedule Revisions
  - m. B-SKE-01 Added GFI Outlet Near Reloc. Condensing Units Basement
  - n. B-SKE-02 Added Circuit to Room 214
  - o. B-SKE-03 Exist. Distribution Panel HD-4NEH-2 Sect. Revisions
  - p. B-SKE-04 Added Circuit to Cooling Tower 2
  - q. B-SKE-05 Lighting Fixture Schedule Revisions
  - r. B-SKE-06 Lighting Fixture Schedule Revisions
  - s. B-SKE-07 Demolition/Installation of Oil Filled Transformer
  - t. B-SKE-08 Demolition/Installation of Oil Filled Transformer

Bidders shall acknowledge receipt of Addendum 2 under 'Addenda' on page 2 of the bid form.

Sincerely,  
Skanska USA Building, Inc.

Kate Westrin, LEED® AP  
Project Manager

cc: Service Point USA at 85 Willow St., Bldg. 12. New Haven, CT  
Skanska Share Site: <https://partners.myskanska.com/usa/clients/scsu/Buley/SitePages/Home.aspx>



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00 24 13	Scopes of Work (Ref. Sec. 00 7000 Exhibit 'A' General Requirements)
00 31 13	<b>Project Schedule / Construction Schedule Narrative ADDENDUM #2</b>
00 31 19	Site Logistics Plan
00 31 19.1	SL-01 Campus Map
00 31 19.2	SL-02 Reserved
<b>00 31 25</b>	<b>Existing Materials (Inventory Sheets for Existing Stored Materials) ADDENDUM #1</b>
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00 31 26.26	Existing Lead Information
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00 43 39.1	CHRO Affirmative Action Plan
<b>00 43 39.2</b>	<b>CHRO Attachment IIIA (Required at time of bid) ADDENDUM #1: Attachment not required</b>
00 43 43	Certified Payroll & Contractors Wage Rate Certification Form (Required at time of bid)
00 45 13	Subcontractor Qualification Form (Required at time of bid)
00 45 19	Non-Collusive Affidavit (Required at time of bid)
00 45 19.1	State of Connecticut Guide to the Code of Ethics & OPM Ethics Form 6 (Required at time of bid)
00 61 13	Consent of Surety Form (Required at time of bid)
00 63 13	Request for Information (RFI) Form
00 63 57	Proposed Change Form
00 70 00	Skanska Sample Subcontractor Agreement (Exhibits A thru Y): Exhibit A Scope of Work (Ref. Sec. 00 2413 for Specific Requirements) <b>Exhibit B Drawings Sketches Specifications &amp; Other Documents ADDENDUM #1</b> Exhibit C Alternates Unit Price & Labor Rates Exhibit D Project Schedule & Milestones Exhibit E Standard Subcontract Terms & Conditions Exhibit F Skanska Code of Conduct Exhibit G Skanska Insurance Requirements Exhibit H Interim Estimate for Payment, Waiver & Release Exhibit I Interim & Unconditional Waiver & Release of Liens & Claims Exhibit J Subcontractor Standard Subcontractor EH&S Requirements Exhibit K Skanska Standard Change Order Exhibit N Supplemental Terms & Conditions for use in the State of CT

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	Exhibit O Payment and Performance Bonds
	Exhibit Q Skanska Standard Environmental Insurance Requirements
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	Exhibit Y Terms & Conditions for Subcontractor Design Responsibility
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**INSTRUCTIONS TO BIDDERS**

## Table of Articles

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Southern Connecticut State University – Buley Library Renovation BI-RS-225B CMR**1. DEFINITIONS**

- 1.1 Bid Documents shall be referred to as Contract Documents herein.
- 1.2 Contract Documents include; (1) 100% Construction Documents, Project Manual Volumes 1 & 2 dated November 30<sup>th</sup>, 2012; (2) Bid Set, Drawing Volumes 1 & 2 dated 11-30-2012; and (3) Division 0 Volume 1 dated December 21<sup>st</sup>, 2012.
- 1.3 Addenda are written or graphic instruments issued by the Construction Manager prior to the opening of bids, which modify or interpret the Contract Documents by additions, deletions, clarifications or corrections.
- 1.4 A Bid is a complete and properly executed proposal to do the Work for the sums stipulated therein, submitted in accordance with the Contract Documents.
- 1.5 A Unit Price is an amount stated in the Bid as a price per unit of measurement for materials, equipment or services or a portion of the Work as described in the Contract Documents. Subcontractors will be responsible accepting only those units pricing which are identified in Section 012000 1.5 Unit Price Schedules.
- 1.6 A Supplemental Bid is an amount stated in the Bid for materials, equipment and labor to complete the interior fit-out of an additional floor for each of the bid packages.
- 1.7 A Bidder is a person or entity who submits a Bid and who meets the requirements set forth in the Contract Documents.
- 1.8 A Sub-Subcontractor is a person or entity who submits a bid to a Bidder for materials, equipment or labor for a portion of the Work.

**2. BIDDER'S REPRESENTATIONS**

The Bidder by making a Bid represents that:

- 2.1 The Bidder has read and understands the Contract Documents, to the extent that such documentation relates to the Work for which the Bid is submitted, and for other portions of the Project, if any, being bid concurrently or presently under construction.
- 2.2 The Bid is made in compliance with the Contract Documents.
- 2.3 The Bidder has visited the site, become familiar with local conditions under which the Work is to be performed and has correlated the Bidder's personal observations with the requirements of the proposed Contract Documents.
- 2.4 The Bid is based upon the materials, equipment and systems required by the Contract Documents without exception.
- 2.5 A pre-bid meeting and walk through will be held on January 3, 2013 at 10 a.m. The pre-bid will be mandatory for all bidders. The pre-bid meeting will take place at the *Michael J. Adanti Student Center* located on the Southern CT State University Campus. Refer to Section 00 31 19.1 for a copy of the Campus Map. An optional walkthrough will be held at the construction site immediately following the pre-bid. Any subcontractor who fails to attend the pre-bid will

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not be permitted to submit a proposal for the project. Bids received from a contractor who did not attend the meeting will be returned unopened within (7) days of the bid opening.

**3. CONTRACT DOCUMENTS****3.1 COPIES**

3.1.1 Contract Documents can be obtained on Wednesday, December 26<sup>th</sup>, 2012 at the following locations:

- A. Bid Documents can be viewed from an online plan room prior to placing an order. The documents can be accessed using the following information:

Website: <https://partners.myskanska.com/usa/clients/scsu/Buley/SitePages/Home.aspx>

- B. Service Point USA at 85 Willow St., Bldg. 12. New Haven, CT 06511 Tel: 203-624-0079, Fax: 203-624-8533 for a non-refundable fee for approximately \$50 for a CD of all bid documents or \$450 for a complete hard copy (plus any taxes & delivery fees) to be paid by the bidder. Checks shall be made payable to Service Point USA. Bidders must call Service Point and order documents prior to pick-up (1 day in advance).

Bidders will be held accountable for the requirements of all documents made available and will not be relieved of responsibilities for requirements indicated in any bid documents not purchased or viewed.

- 3.1.2 Contract Documents will not be issued directly to Sub-bidders unless specifically offered in the Advertisement or Invitation to Bid, or in supplementary instructions to bidders.
- 3.1.3 Bidders shall use complete sets of Contract Documents in preparing Bids. Neither the Owner, Skanska, nor the Architect assumes responsibility for errors or misinterpretations resulting from the use of incomplete sets of Contract Documents.

**3.2 INTERPRETATION OR CORRECTION OF CONTRACT DOCUMENTS**

- 3.2.1 The Bidder shall carefully study and compare the Contract Documents with each other, and with other work being bid concurrently or presently under construction to the extent that it relates to the Work for which the Bid is submitted, shall examine the site and local conditions, and shall at once report to Skanska errors, inconsistencies or ambiguities discovered.
- 3.2.2 Bidders requiring clarification or interpretation of the Contract Documents shall make a written request within the time frame as noted in the Invitation to Bid.
- 3.2.3 Interpretations, corrections and changes of the Contract Documents will be made by Addendum. Interpretations corrections and changes of the Contract Documents made in any other manner will not be binding, and Bidders shall not rely upon them.

**3.3 SUBSTITUTIONS**

- 3.3.1 The materials, products and equipment described in the Contract Documents establish a standard of required function, dimension, appearance and quality to be met by the bidder for the Project.

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3.3.2 **Substitutions** shall not be considered by the Architect after the project has bid. Each bidder shall utilize the specified manufacturers or equal where indicated in the Contract Documents. If a subcontractor wishes to submit a substitution for consideration during the bid phase of the project, substitution procedures outlined in Section 012500 of the project specifications must be followed or the substitution will not be considered.

### **3.4 ADDENDA**

3.4.1 Notification of addenda will be transmitted to all bidders that have returned the Acknowledgement to Bid form to Skanska. In addition, notification of all addenda will also be posted on the DAS website.

3.4.2 Copies of Addenda will be made available for inspection wherever Contract Documents are on file.

3.4.3 Addenda will be issued no later than two (2) days prior to the date for receipt of Bids except Addendum withdrawing the request for Bids or one which includes postponement of the date for receipt of Bids.

3.4.4 Each Bidder shall ascertain prior to submitting a Bid that the Bidder has receive all Addenda issued, and the Bidder shall acknowledge their receipt in the Bid. It is not the responsibility of the Construction Manager to verify with each Bidder that it has received all Addenda issued.

3.4.5 No oral interpretation will be made to any Bidders as to the meaning of the Contract Documents or any part thereof. All questions must be directed in writing to Skanska USA Building Inc, Attention Ms. Kate Westrin, Skanska USA, Fax 866-435-9009 using the Request for Information Form Section 00 63 13 within the Contract Documents. Questions received verbally will not be answered. No questions will be accepted after Friday January 11<sup>th</sup>, 2013. All answers will be published by written addendum. Extensions of deadlines may only be revised via written addendum. It is the responsibility of all bidders to verify that they are current with all addenda issued with the printer prior to bid submission. Oral interpretation may not be relied upon.

## **4. BIDDING PROCEDURES**

### **4.1 PREPARATION OF BIDS**

4.1.1 Upon receipt of Contract documents the bidder shall review the Contract Documents to verify that all documents listed on the Table of Contents have been received. If any documents are missing, contact Ms. Kate Westrin, Skanska USA, Fax 866-435-9009

4.1.1.1 Upon review of the Contract Documents the bidder will fill out, sign and return the Acknowledgement of Bid form by either faxing the form to 866-435-9009 or email to [kate.westrin@skanska.com](mailto:kate.westrin@skanska.com). Acknowledgement of Bid Form shall be sent no later than December 28<sup>th</sup>, 2012. Acknowledgement of Bid Form is **mandatory**.

4.1.2 Bids shall be submitted on the Bid Proposal Form furnished specifically for each bid package in this Project. Two (2) original Bid Proposal Forms shall be submitted with one

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(1) original Bid Bond for each bid package. Each proposal must also include the items listed at the end of the Bid Proposal Form.

- 4.1.3 All blanks on the bid form shall be legibly executed in a non-erasable medium. Submission of an incomplete Bid Proposal Form may be grounds for the rejection of the bid proposal by Skanska.
- 4.1.4 All requested **Supplemental Bids** shall be bid. If no change in the Bid is required, enter "Zero." No Supplemental Bid will be considered unless Supplemental Bids are specifically requested, and only those requested on the Bid Proposal Form will be considered.
- 4.1.5 Sums shall be expressed in both words and figures. In case of discrepancy, the amount written in words shall govern.
- 4.1.6 Each copy of the Bid shall state the legal name of the Bidder and the nature of legal form of the Bidder. The Bidder shall provide evidence of legal authority to perform within the jurisdiction of the Work. Each copy shall be signed by the person or persons legally authorized to bind the Bidder to a contract. A Bid by a corporation shall further give the state of incorporation and have the corporate seal affixed. A Bid submitted by an agent shall have a current power of attorney attached certifying the agent's authority to bind the Bidder.

#### **4.2 BID SECURITY**

- 4.2.1 Bidders shall note that Bid Securities are required for select bid packages. For those bid packages that require a bid security, each bid shall be accompanied by a bid security payable to Skanska USA Building Inc. in the amount of ten (10%) percent of the bid proposal and shall be written on AIA Document A310 Bid Bond and the attorney-in-fact who executes the bond on behalf of the surety shall affix to the bond a certified and current copy of the power of attorney. The bid bond must be issued by a Surety Company listed on the Current US Department of Treasury's Federal Register and be licensed to underwrite bonds in the State of Connecticut and have a rating of A- or better. *In lieu of a Bid Bond, the bidder has the option of submitting a certified check in the amount of 10% of the bid value or a letter of credit in the amount equal to 10% of the bid amount.*
- 4.2.2 Skanska will have the right to retain the bid security of Bidders to whom an award is being considered until either (a) the Contract has been executed and bonds, if required, have been furnished, or (b) the specified time has elapsed so that Bids may be withdrawn or (c) all Bids have been rejected.

#### **4.3 SUBMISSION OF BIDS**

- 4.3.1 All copies of the Bid, the bid security, if any, and any other documents required to be submitted with the Bid shall be enclosed in a sealed opaque envelope. The envelope shall be addressed to the party receiving the Bids, and shall be identified with the Project name, the Bidder's name and address and applicable bid package for which the Bid is submitted. *NOTE: Refer to item 4.3.5 of this section for all required attachments.*
- 4.3.2 Bids shall be deposited at the designated location prior to the time and date for receipt of Bids (Reference Invitation to Bid for location, date and time). Bids received after the time and date for receipt of Bids will be returned unopened.

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- 4.3.3 The Bidder shall assume full responsibility for timely delivery at the location designated for receipt of Bids.
- 4.3.4 Oral, telephonic, telegraphic, facsimile or other electronically transmitted bids will not be considered.
- 4.3.5 A Bidder’s proposal shall be considered nonresponsive if all proposal form attachments are not submitted at the time of bid. There are a total of nine (9) attachments required to be submitted including the proposal form. The required attachments are as follows and are located within Division 0 Bidding Requirements & Contractor Forms in the sections identified below.
  - Proposal Form (Section 00 41 00)
  - Skanska Qualification Form (Section 00 45 13)
  - DAS Prequalification Certificate (If Bid is in excess of \$500,000)  
(Provided by Subcontractor)
  - Bid Bond (Section 00 43 13)
  - Consent of Surety (Section 00 61 13)
  - Non-Collusion Affidavit (Section 00 45 19)
  - State of Connecticut OPM Ethics Form 6 (Section 00 45 19.1)
  - Contractors Wage Certification Form (Section 00 43 43)
  - Requirement Omitted via Addendum*

**4.4 MODIFICATION OR WITHDRAWAL OF BID**

- 4.4.1 A Bid may not be modified, withdrawn, or cancelled by the Bidder for a period of ninety (90) days following the date designated for the receipt and opening of bids, and each Bidder so agrees in submitting a Bid.
- 4.4.2 Prior to the time and date designated for receipt of Bids, a Bid submitted may be modified or withdrawn by notice to the party receiving Bids at the place designated for receipt of Bids. Such notice shall be in writing over the signature of the Bidder. Written confirmation over the signature of the Bidder shall be received, and date- and time-stamped by the receiving party on or before the date and time set for receipt of Bids. A change shall be so worded as not to reveal the amount of the original Bid.
- 4.4.3 Withdrawn Bids may be resubmitted up to the date and time designated for the receipt of Bids provided that they are then fully in conformance with these Instructions to Bidders.

**5. CONSIDERATION OF BIDS**

**5.1 OPENING OF BIDS**

- 5.1.1 As stipulated in the Invitation to Bid, Bids received on Time will be opened by Skanska at the *Michael J. Adanti Student Center* located on the Southern CT State University Campus. Within seven (7) business days after award of subcontracts accepted bid results will be available for viewing by written request at Skanska’s New Haven office. Requests should be sent to the attention of Ms. Kate Westrin, Skanska USA, Fax 866-435-9009

**5.2 REJECTION OF BIDS**

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5.2.1 Skanska reserves the right to reject any or all bids including without limitation the right to reject any or all nonconforming, non-responsive, unbalanced, or conditional bids and to reject the bid of any bidder if Skanska determines that the bid is not responsive or the bidder is unqualified and or not responsible (which includes financial stability) or fails to meet any other pertinent standard or criteria established by Skanska. *Skanska reserves the right to waive minor irregularities which it considers in the best interest of the project.*

**5.3 ACCEPTANCE OF BID (AWARD)**

5.3.1 Skanska will have the right to award the Contract to any Bidder, and not necessarily the low bidder, and to waive informalities and irregularities in any Bid received if it is determined to be in the best interest of the Owner.

5.3.2 Skanska has the right to accept Supplemental Bids. Supplemental Bids will be taken in order as identified in the Bid Proposal Form.

5.3.3 The award of subcontracts for a specific bid package will be based on the lowest qualified and responsible base bid plus those Supplemental Bids selected. The selection of supplemental bids will be determined after the bid opening and is contingent on the available project funds.

5.3.4 The award of supplemental bids will be taken in order as they appear in section 6 of the Subcontractor Proposal Form. If project funds do not allow for a supplemental bid to be taken in its entirety, the owner reserves the right to add portions of the supplemental bid.

**6. POST-BID INFORMATION****6.1 SUB-CONTRACTORS**

6.1.1 Prior to the execution of the Contract, Skanska will notify the Bidder in writing if after due investigation, has reasonable objection to a person or entity proposed by the Bidder. If Skanska has reasonable objection to a proposed person or entity, the Bidder may, at the Bidder's option, (1) withdraw the Bid or (2) submit an acceptable substitute person with no adjustment in Base Bid price. In the event of either withdrawal or disqualification, bid security will not be forfeited. Reasonable objection may include but is not limited to review of qualifications on similar type projects, financial stability and past safety performance.

6.1.2 Persons and entities proposed by the Bidder and to whom Skanska has made no reasonable objection must be used on the Work for which they were proposed and shall not be changed except with the written consent of the Construction Manager.

**6.2 SUPERINTENDENCE AND WORKERS**

6.2.1 The Bidder will be required to establish to the satisfaction of Skanska the reliability and responsibility of the persons or entities proposed to furnish and perform the Work described in the Contract Documents.

6.2.2 The employment of a competent superintendent, foreman, and experienced mechanics will be required. The bidder shall furnish the qualifications of the superintendent, foreman, or any other individual delegated with important functions connected with the project to Skanska for approval.

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- 6.2.3 Whenever Skanska informs the bidder or his/her representative in charge that any person on the work is incompetent, disorderly, working contrary to the specifications and/or the instructions of Skanska, or that Skanska knows that the person has been incompetent or disorderly on this or any previous work, or is objectionable, that person shall thereupon be immediately dismissed from the job and shall not be given employment on any work connected with the Contract.
- 6.2.4 All employees performing work on this project must receive OSHA 10-hr prior to starting work onsite. This includes but is not limited to; Project Managers, Superintendents, Safety Managers, Project Engineers, General Foremen, Foremen, Craftsmen, Apprentices and Laborers. All costs associated with providing this training will be the sole responsibility of this bidder. Training related information can be found at the following website: [clicksafety.com](http://clicksafety.com).
- 6.2.5 The successful bidder shall have one (1) OSHA 30 hr trained employee on site at all times who has been certified within the past three years.

**7. PERFORMANCE BOND AND PAYMENT BOND**

- 7.1 Both the Performance Bond and the Labor and Material Payment Bond shall be in the amount of one-hundred percent (100%) of the Contract price payable to Skanska USA Building. (Determine value of subcontracts that may be exempt from providing P&P Bond)
- 7.2 Within seven (7) days after the receipt of the Contract Form, the successful bidder shall furnish both a Performance Bond and a Labor and Material Payment Bond. Failure to comply with this requirement will result in termination of contract
- 7.3 Bond forms shall be in accordance with those found in Exhibit "O" of the Subcontract.
- 7.4 Both Bonds must be issued by a Surety Company licensed to underwrite bonds in the State of Connecticut and have an AM Best Rating of A- or better.
- 7.5 The cost shall be included in the Bid and is shown as a separate line item in the Proposal Form.

**8. PAYROLL (PAYMENT OF WAGES)**

- 8.1. Pursuant to General Statutes, Section 31-53, of the State of Connecticut, the following provision is hereby made part of these Contract Documents:
- "The wages paid on an hourly basis to any mechanic, laborer or worker employed upon the work herein contracted to be done and the amount of payment or contribution paid or payable on behalf of each such employee to any employee welfare fund, as defined in Section 31-53 of the General Statutes, shall be at a rate equal to the rate (of wages) customary or prevailing for the same work in the same trade or occupation in the town in which such public works are being constructed. Any bidder who is not obligated by agreement to make payment or contribution on behalf of such employees to any such employee welfare fund shall pay to each employee as part of his wages the amount of payment or contribution for his classification on each pay day."
- 8.2 Attached is a copy of the minimum wage rate schedule issued by the State of Connecticut Labor Department. Said wage rate schedules shall be posted at the project site.

Southern Connecticut State University – Buley Library Renovation BI-RS-225B CMR

- 8.3 This bidder is cautioned that wage rates are continually changing. This bidder shall include all labor increases that occur during the duration of this project.
- 8.4 Periodic checks will be made by Skanska and or the Department of Labor to ensure that wages are being paid according to wage rate schedules for this particular job. Reference Exhibit A for additional information.

**9. LABOR STANDARDS – EEO**

- 9.1 All bidders employed on this project are required to implement an Equal Opportunity Program within their organization. Proper steps should be taken to establish a workforce which reflects non-discrimination in hiring practices due to race, color, creed, sex or national origin. All Federal and State Legislation on Equal Employment Opportunities will be adhered to in the carrying out of the contract.

**10. NON-RESIDENT BIDDERS**

- 10.1 The State of Connecticut requires non-resident bidders (contractors) to furnish 2 separate bonds with the State:
- Connecticut General Statute 12-430(7) requires non-resident contractors to file a bond with the Commissioner of Revenue Services for Sales and Use taxes. This bond is for 5% of the contract amount.
  - Connecticut Public Act No. 80-250 Section 31-225 requires non-resident contractors to file a bond with the Administrator of the CT Department of Labor for Unemployment Compensation contributions if CT labor is to be used. This bond is for 3% of the contract amount.
- 10.2 A rider to the original bond or an additional bond must be filed for all amendments to the contract amount.
- 10.3 A non-resident contractor is defined as a contractor without a permanent place of business in the State of Connecticut.

**11. CHRO – COMMISSION on HUMAN RIGHTS and OPPORTUNITUES**

- 11.1 Bid solicitation for this project will be broken into two groups; Non-Set Aside Bid Packages and Set Aside Bid Packages.
- 11.2 Non-Set Bid Packages are open to only those bidders who have been prequalified by DAS Certified if Bid is in excess of \$500,000 (Reference Section 11.4 for additional information).

In addition to Skanska and DAS requirements, specific Non Set-Aside bidders are required to award twenty-five (25%) percent or more of the value of this Subcontract to DAS certified SBE's. These bidders shall also award fifteen (10%) percent or more to DAS certified M/WBE's. The Invitation to Bid names those specific Non Set-Aside bidders that must meet this requirement.

- 11.3 Set Aside Packages are only open to those bidders who have been (1) pre-approved by the State of Connecticut as an SBE, M/WBE, and (2) DAS Prequalified if Bid is in excess of \$500,000 (Reference Section 11.4 for additional information).

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SBE Set Aside Packages are required to award five (5%) percent or more of the value of this Subcontract to DAS certified M/WBE's. The Invitation to Bid names those specific SBE Set Aside bidders that must meet this requirement.

- 11.4 The DAS Contractor Prequalification Program (C.G.S §4a-100) requires all bidders to prequalify before they can bid on a contract or perform work pursuant to a contract for the construction, reconstruction, alteration, remodeling, repair or demolition of any public building or any other public work by the state or a municipality, estimated to cost more than \$500,000 and which is funded in whole or in part with state funds, except a public highway or bridge project or any other construction project administered by the Department of Transportation. DAS prequalification is required for all work in excess of \$500,000 regardless of tier.

Any bid in excess of \$500,000 shall be accompanied by a copy of the bidder's prequalification certificate.

A prospective bidder whose bid does not exceed \$500,000 is not required to be pre-qualified by the State of Connecticut Department of Administrative Services for the classification of work that they are bidding.

- 11.5 *The successful bidder shall participate and comply with all contract compliance regulations concerning contract compliance and approval of contract compliance programs by the Commission Human Rights and Opportunities (CHRO) Sections 46a-68j – 21 through 43 inclusive. Each subcontractor will be required to develop and implement a CHRO Affirmative Action Plan for the project. Refer to section 00 43 39.1 and 00 43 39.2 of Division 0 "Instructions to Bidders" for additional information concerning the development and implementation of the CHRO plan.*

**12. LEED CERTIFICATION**

- 12.1. Not applicable to the project. However, subcontractors will be required to meet all project specifications and requirements that make reference to LEED.

**13. PROJECT SITE LOGISTICS**

- 13.1. 00 31 19 Skanska Site Logistics Plan
- 13.2. 00 31 19.1 General Campus Map – (Identifies Pre-Bid, Bid Opening and Subcontractor Parking Areas)
- 13.3. Reserved

**14. CONSTRUCTION WORK HOURS**

- 14.1. Normal work hours for construction are from 7:00 AM to 3:30 PM.
- 14.2. All subcontractors shall be responsible for the Project Schedule (Reference Section 003113). Subcontractors shall also be responsible for the schedule requirements set forth within their Specific Scope of Work (Reference Section 002413) and General Scope of Work (Section 0070 00).

**15. PARKING**

- 15.1. Onsite parking is limited due to space restrictions. Each subcontractor will be allowed one company vehicle onsite. All other vehicles will be required to park in Parking Lot 9. A shuttle bus service will be provided to transport workers from the parking lot to a drop off location

INSTRUCTIONS TO BIDDERS

ADDENDUM #2

00 21 13

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near the project site. Refer to section 00 31 19 for a copy of the campus map that identifies the parking and drop off location.

**16. SAFETY**

- 16.1 All subcontractors will be required to comply with Skanska USA Building Environmental Health and Safety (EHS) Policy. Reference Division 0 for Safety Policy
- 16.2 Subcontractor to provide EMR for the past 3 years at the time of bid. Please attach a letter from your insurance carrier verifying the EMR rate. Provide written explanation for EMR ratings over 1.00. The same is to be provided for sub-tier subcontractors.
- 16.3 All employees will be required to attend and participate in the Skanska Stretch & Flex Program. Skanska will conduct the Stretch & Flex Program at the beginning of every workday (7:00 am). The program will run for the duration of approximately fifteen minutes. The Subcontractor agrees that it has accounted for the same in the Subcontract Price set forth herein.

**17. HOUSEKEEPING**

- 17.1. Housekeeping is paramount. Subcontractors shall provide continuous cleanup of debris generated by its operations type. All subcontractors will be required to follow the “No material shall be allowed to hit the floor” policy.

**18. INSURANCE**

- 18.1 Before commencing the Work, the Subcontractor shall procure and maintain, at its own expense, until final acceptance of the Work and throughout the term of the warranty of the Work, at least the insurance as specified in Exhibit G of the Subcontract, included in the Contract Documents. The cost of all required insurance shall be included in the subcontractor's proposal.

**19. EXISTING MATERIALS (Inventory Sheets for Existing Stored Materials)**

- 19.1 Bidder has reviewed the Existing Inventory Materials list included in section 00 31 25 and has included those materials assigned to your specific bid package for use on this project. Bidder is responsible for the transportation of inventory materials from storage facilities to your shop for fabrication or to the project site for installation. Any unused materials assigned to your bid package will be the responsibility of this subcontractor to remove from storage and legally dispose of at no additional cost to the project unless specifically identified to be turned over to the owner at the completion of the project.
- 19.2. Refer to Section 00 31 25 for the different storage locations for existing materials.

END OF INSTRUCTIONS TO BIDDERS

Activity ID	Activity Name	Original Duration	Start	Finish	2012												2013												2014												2015											
					J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D					
<b>BULEY LIBRARY RENOVATIONS</b>																																																				
<b>EXECUTIVE SUMMARY</b>																																																				
ES-120	PRECONSTRUCTION TIMEFRAME	161	25-Jun-12 A	12-Apr-13	PRECONSTRUCTION TIMEFRAME																																															
ES-130	CONSTRUCTION TIMEFRAME	337	12-Apr-13	11-Aug-14	CONSTRUCTION TIMEFRAME																																															
ES-140	GROUND FLOOR COMPLETE	0		25-Apr-14	◆ GROUND FLOOR COMPLETE																																															
ES-160	BASE BID COMPLETE ( BASE BID = GROUND FLOOR & FIRST FLOOR COMPLETE PLUS CORE & SHELL FOR UPPER FLOORS	0		12-Jun-14	◆ BASE BID COMPLETE ( BASE BID = GR																																															
ES-170	BASE BID COMPLETE PLUS SECOND FLOOR COMPLETE	0		26-Jun-14	◆ BASE BID COMPLETE PLUS SECON																																															
ES-180	BASE BID COMPLETE PLUS SECOND AND THIRD FLOOR COMPLETE	0		18-Jul-14	◆ BASE BID COMPLETE PLUS SECON																																															
ES-190	BASE BID COMPLETE PLUS SECOND, THIRD & FOURTH FLOOR COMPLETE	0		07-Aug-14	◆ BASE BID COMPLETE PLUS SECON																																															
ES-200	BASE BID COMPLETE PLUS SECOND, THIRD, FOURTH, & FOURTH FLOOR ADDITION COMPLETE	0		11-Aug-14	◆ BASE BID COMPLETE PLUS SECON																																															
<b>PRECONSTRUCTION PHASE</b>																																																				
<b>ESTIMATING / CONSTRUCTION DOCUMENTS</b>																																																				
EST-1000	OAK TO COMPLETE 75 % CONSTRUCTION DOCUMENTS	17	25-Jun-12 A	18-Jul-12 A	■ OAK TO COMPLETE 75% CONSTRUCTION DOCUMENTS																																															
EST-1030	OAK TO COMPLETE 100 % CONSTRUCTION DOCUMENTS	15	18-Jul-12 A	05-Sep-12 A	■ OAK TO COMPLETE 100% CONSTRUCTION DOCUMENTS																																															
EST-1010	SKANSKA 75 % CD ESTIMATE	20	19-Jul-12 A	17-Aug-12 A	■ SKANSKA 75 % CD ESTIMATE																																															
EST-1050	75 % CD ESTIMATE RECONCILLATION	5	23-Aug-12 A	24-Aug-12 A	■ 75 % CD ESTIMATE RECONCILLATION																																															
EST-1035	OSBI / OFSM DOCUMENT REVIEW & APPROVAL	35	06-Sep-12 A	23-Nov-12 A	■ OSBI / OFSM DOCUMENT REVIEW & APPROVAL																																															
EST-1040	UPDATE 100 % DOCS BASED ON SOB / SFSM REVIEW	7	20-Nov-12 A	30-Nov-12 A	■ UPDATE 100 % DOCS BASED ON SOB / SFSM REVIEW																																															
<b>BID PACKAGE DEVELOPMENT PHASE</b>																																																				

- Remaining Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone



SKANSKA					2012												2013												2014												2015											
Activity ID	Activity Name	Original Duration	Start	Finish	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D					
BID-1000	SKANSKA TO DEVELOP DIVISION 0 SPECS	40	23-Jul-12 A	03-Oct-12 A	■ SKANSKA TO DEVELOP DIVISION 0 SPECS																																															
BID-1020	SKANSKA TO DEVELOP BID PACKAGES	50	23-Jul-12 A	03-Oct-12 A	■ SKANSKA TO DEVELOP BID PACKAGES																																															
BID-1010	SKANSKA TO ISSUE DIVISION 0 TO DCS FOR APPROVAL	10	04-Oct-12 A	04-Oct-12 A	■ SKANSKA TO ISSUE DIVISION 0 TO DCS FOR APPROVAL																																															
BID-1040	SKANSKA TO FINALIZE DIV 0 & BID PACKAGES	14	03-Dec-12 A	20-Dec-12 A	■ SKANSKA TO FINALIZE DIV 0 & BID PACKAGES																																															
<b>BIDDING PHASE</b>																																																				
BIDPH-1000	SKANSKA TO ISSUE INVITATION TO BID	1	21-Dec-12 A	21-Dec-12 A	■ SKANSKA TO ISSUE INVITATION TO BID																																															
BIDPH-1010	BID DOCUMENTS AVAILABLE TO BIDDERS	6	24-Dec-12 A	02-Jan-13 A	■ BID DOCUMENTS AVAILABLE TO BIDDERS																																															
BIDPH-1020	SKANSKA PRE BID MEETING	1	03-Jan-13 A	03-Jan-13 A	■ SKANSKA PRE BID MEETING																																															
BIDPH-1040	BID RFI SUBMISSION PERIOD	10	03-Jan-13 A	16-Jan-13	■ BID RFI SUBMISSION PERIOD																																															
BIDPH-1030	BID PERIOD	15	03-Jan-13 A	23-Jan-13	■ BID PERIOD																																															
BIDPH-1050	SKANSKA TO SUBMIT RFI'S TO OAK	3	17-Jan-13	21-Jan-13	■ SKANSKA TO SUBMIT RFI'S TO OAK																																															
BIDPH-1060	OAK TO PROVIDE RFI RESPONSES	5	22-Jan-13	28-Jan-13	■ OAK TO PROVIDE RFI RESPONSES																																															
BIDPH-1070	SKANSKA TO ISSUE ADDENDA TO BIDDERS ( RFI'S )	2	29-Jan-13	30-Jan-13	■ SKANSKA TO ISSUE ADDENDA TO BIDDERS ( RFI'S )																																															
BIDPH-1080	REVISED BID DATE	7	31-Jan-13	08-Feb-13	■ REVISED BID DATE																																															
<b>GMP DEVELOPMENT / SUBMISSION PHASE</b>																																																				
GMP-1000	REVIEW SUBCONTRACTOR BID RESULTS	1	11-Feb-13	11-Feb-13	■ REVIEW SUBCONTRACTOR BID RESULTS																																															
GMP-1010	SUBCONTRACTOR SCOPE REVIEWS	15	12-Feb-13	04-Mar-13	■ SUBCONTRACTOR SCOPE REVIEWS																																															
GMP-1020	AWARD / RECOMMENDATIONS	1	05-Mar-13	05-Mar-13	■ AWARD / RECOMMENDATIONS																																															
GMP-1030	PREPARE GMP	10	05-Mar-13	19-Mar-13	■ PREPARE GMP																																															

- Remaining Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone





SKANSKA					2012												2013												2014												2015											
Activity ID	Activity Name	Original Duration	Start	Finish	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D					
CONSUB-1020	MISC CONCRETE SUBMITTALS	10	15-Apr-13	26-Apr-13																																																
<b>APPROVE CONCRETE SUBMITTALS</b>																																																				
APP-1020	APPROVE REBAR SHOP DRAWINGS	15	22-Apr-13	10-May-13																																																
APP-1030	APPROVE CONCRETE DESIGN MIXES	15	22-Apr-13	10-May-13																																																
APP-1040	APPROVE MISC CONCRETE SUBMITTALS	15	22-Apr-13	10-May-13																																																
<b>FAB &amp; DELIVER CONCRETE MATERIALS</b>																																																				
FAB-1030	FAB & START TO DELIVER CONCRETE	5	13-May-13	17-May-13																																																
FAB-1040	FAB & START TO DELIVER MISC CONCRETE MATERIAL	5	13-May-13	17-May-13																																																
FAB-1020	FAB AND START TO DELIVER REBAR	7	13-May-13	21-May-13																																																
<b>STRUCTURAL STEEL SUBMITTALS</b>																																																				
STEELSUB-1030	FIELD MEASURE EXISTING STEEL AT COLUMN LINES X-9 AND X-4	5	15-Apr-13	19-Apr-13																																																
STEELSUB-1000	STRUCTURAL STEEL SUBMITTALS	20	15-Apr-13	10-May-13																																																
STEELSUB-1010	METAL DECKING SUBMITTALS	20	15-Apr-13	10-May-13																																																
STEELSUB-1020	MISC STEEL SUBMITTALS	10	29-Apr-13	10-May-13																																																
<b>APPROVE STRUCTURAL STEEL SUBMITTALS</b>																																																				
APP-1050	APPROVE STRUCTURAL STEEL SUBMITTALS	15	22-Apr-13	10-May-13																																																
APP-1060	APPROVE METAL DECKING SUBMITTALS	15	22-Apr-13	10-May-13																																																
APP-1070	APPROVE MISC STEEL SUBMITTALS	15	06-May-13	24-May-13																																																

- Remaining Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone



SKANSKA						2012												2013												2014												2015											
Activity ID	Activity Name	Original Duration	Start	Finish	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D						
<b>FAB &amp; DELIVER STRUCTURAL STEEL MATERIALS</b>																																																					
FAB-1050	FAB & START TO DELIVER STRUCTURAL STEEL	20	13-May-13	10-Jun-13																																																	
FAB-1060	FAB & START TO DELIVER METAL DECKING	20	13-May-13	10-Jun-13																																																	
<b>MASONRY SUBMITTALS</b>																																																					
MASUB-1000	CMU & BRICK SUBMITTALS	20	15-Apr-13	10-May-13																																																	
MASUB-1010	MISC MASONRY SUBMITTALS	10	29-Apr-13	10-May-13																																																	
<b>APPROVE MASONRY SUBMITTALS</b>																																																					
APP-1080	APPROVE CMU & BRICK SUBMITTALS	15	22-Apr-13	10-May-13																																																	
APP-1090	APPROVE MISC MASONRY SUBMITTALS	15	06-May-13	24-May-13																																																	
<b>FAB &amp; DELIVER MASONRY MATERIALS</b>																																																					
FAB-1080	FAB & START TO DELIVER CMU / BRICK	20	13-May-13	10-Jun-13																																																	
<b>METAL PANEL SUBMITTALS</b>																																																					
MPSUB-1000	METAL PANEL SUBMITTALS	20	15-Apr-13	10-May-13																																																	
MPSUB-1010	MISC METAL PANEL SUBMITTALS	10	29-Apr-13	10-May-13																																																	
<b>APPROVE METAL PANEL SUBMITTALS</b>																																																					
APP-1100	APPROVE METAL PANEL SUBMITTALS	15	22-Apr-13	10-May-13																																																	

- Remaining Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone



SKANSKA					2012												2013												2014												2015											
Activity ID	Activity Name	Original Duration	Start	Finish	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D					
APP-1110	APPROVE MISC METAL PANEL SUBMITTALS	15	06-May-13	24-May-13																																																
<b>FAB &amp; DELIVER METAL PANEL SUBMITTALS</b>																																																				
FAB-1100	FAB & DELIVER METAL PANELS	40	13-May-13	09-Jul-13																																																
<b>CURTAIN WALL AND WINDOW SUBMITTALS</b>																																																				
CWSUB-1000	CURTAIN WALL & WINDOW SUBMITTALS	20	15-Apr-13	10-May-13																																																
CWSUB-1010	MISC CURTAIN WALL SUBMITTALS	10	29-Apr-13	10-May-13																																																
<b>APPROVE CURTAIN WALL AND WINDOW SUBMITTALS</b>																																																				
APP-1120	APPROVE CURTAIN WALL & WINDOW SUBMITTALS	15	22-Apr-13	10-May-13																																																
APP-1130	APPROVE MISC CURTAIN WALL SUBMITTALS	15	06-May-13	24-May-13																																																
<b>FAB &amp; DELIVER CURTAIN WALL MATERIALS</b>																																																				
FAB-1120	FAB & DELIVER CURTAIN WALLS	60	13-May-13	02-Aug-13																																																
<b>MECHANICAL SUBMITTALS</b>																																																				
MECHSUB-1000	MECHANICAL EQUIPMENT SUBMITTALS	20	15-Apr-13	10-May-13																																																
MECHSUB-1010	GENERAL MECHANICAL SUBMITTALS	10	29-Apr-13	10-May-13																																																
<b>APPROVE MECHANICAL SUBMITTALS</b>																																																				
APP-1140	APPROVE MECHANICAL EQUIPMENT SUBMITTALS	15	22-Apr-13	10-May-13																																																

- █ Remaining Level of Effort
- █ Actual Work
- █ Remaining Work
- █ Critical Remaining Work
- ◆ Milestone







SKANSKA						2012												2013												2014												2015											
Activity ID	Activity Name	Original Duration	Start	Finish	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D						
FAB-1220	FAB & DELIVER MILLWORK	40	28-May-13	23-Jul-13																																																	
<b>ACCOUSTIC CEILING SUBMITTALS</b>																																																					
ACCSUB-1000	SUBMIT ACCOUSTIC CEILING MATERIALS	10	15-Apr-13	26-Apr-13																																																	
<b>APPROVE ACCOUSTIC CEILINGS SUBMITTALS</b>																																																					
APP-1240	APPROVE ACCOUSTIC CEILING MATERIALS	15	29-Apr-13	17-May-13																																																	
<b>FAB &amp; DELIVER ACCOUSTIC CEILING MATERIALS</b>																																																					
FAB-1230	FAB & DELIVER ACCOUSTIC CEILING MATERIALS	30	20-May-13	01-Jul-13																																																	
<b>FLOORING SUBMITTALS</b>																																																					
FLRSUB-1000	SUBMIT FLOORING MATERIALS	10	15-Apr-13	26-Apr-13																																																	
FLRSUB-1010	SUBMIT MISC FLOORING MATERIALS	10	22-Apr-13	03-May-13																																																	
<b>APPROVE FLOORING SUBMITTALS</b>																																																					
APP-1250	APPROVE FLOORING MATERIALS	15	29-Apr-13	17-May-13																																																	
APP-1260	APPROVE MISC FLOORING MATERIALS	15	06-May-13	24-May-13																																																	
<b>FAB &amp; DELIVER FLOORING MATERIALS</b>																																																					
FAB-1240	FAB & DELIVER FLOORING MATERIALS	40	28-May-13	23-Jul-13																																																	

-  Remaining Level of Effort
-  Actual Work
-  Remaining Work
-  Critical Remaining Work
-  Milestone







SKANSKA					2012												2013												2014												2015											
Activity ID	Activity Name	Original Duration	Start	Finish	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D					
GLEXTV-470	ERECT MASONRY / PRECAST VENEER	12	25-Jul-13	07-Aug-13																				■	ERECT MASONRY / PRECAST VENEER																											
GLEXTV-490	ERECT CURTAIN WALLS	20	08-Aug-13	05-Sep-13																				■	ERECT CURTAIN WALLS																											
GLEXTV-560	INSTALL PUNCH WINDOWS	5	29-Aug-13	05-Sep-13																				■	INSTALL PUNCH WINDOWS																											
<b>SOUTH ELEVATION EXTERIOR VENEER ( LVLS 2-ROOF)</b>																																																				
SEXTV-1000	ERECT CMU BACKUP WALLS	15	27-Jul-13	14-Aug-13																				■	ERECT CMU BACKUP WALLS																											
SEXTV-1010	INSTALL EXTERIOR WATERPROOFING/ INSULATION	15	01-Aug-13	21-Aug-13																				■	INSTALL EXTERIOR WATERPROOFING/ INSULATION																											
SEXTV-1020	ERECT MASONRY / PRECAST VENEER	12	13-Aug-13	28-Aug-13																				■	ERECT MASONRY / PRECAST VENEER																											
EXTV-530	INSTALL METAL PANELS	20	29-Aug-13	26-Sep-13																				■	INSTALL METAL PANELS																											
SEXTV-1030	ERECT CURTAIN WALLS / SUNSCREENS	20	06-Sep-13	03-Oct-13																				■	ERECT CURTAIN WALLS / SUNSCREENS																											
SEXTV-1040	INSTALL PUNCH WINDOWS	5	27-Sep-13	03-Oct-13																				■	INSTALL PUNCH WINDOWS																											
<b>WEST ELEVATION EXTERIOR VENEER ( LVLS 2-ROOF)</b>																																																				
WEXTV-1000	ERECT CMU BACKUP WALLS	17	15-Aug-13	09-Sep-13																				■	ERECT CMU BACKUP WALLS																											
WEXTV-1010	INSTALL EXTERIOR WATERPROOFING/ INSULATION	17	22-Aug-13	16-Sep-13																				■	INSTALL EXTERIOR WATERPROOFING/ INSULATION																											
WEXTV-1020	ERECT MASONRY / PRECAST VENEER	15	03-Sep-13	23-Sep-13																				■	ERECT MASONRY / PRECAST VENEER																											
WEXTV-1030	INSTALL METAL PANELS	20	24-Sep-13	22-Oct-13																				■	INSTALL METAL PANELS																											
WEXTV-1040	ERECT CURTAIN WALLS	20	04-Oct-13	01-Nov-13																				■	ERECT CURTAIN WALLS																											
WEXTV-1050	INSTALL PUNCH WINDOWS	5	28-Oct-13	01-Nov-13																				■	INSTALL PUNCH WINDOWS																											
<b>EAST ELEVATION EXTERIOR VENEER ( LVLS 2-ROOF)</b>																																																				
EEXTV-1000	ERECT CMU BACKUP WALLS	17	10-Sep-13	02-Oct-13																				■	ERECT CMU BACKUP WALLS																											

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- ◆ Milestone

















SKANSKA					2012												2013												2014												2015											
Activity ID	Activity Name	Original Duration	Start	Finish	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D					
ICCS-2210	INSTALL TOILET ACCESSORIES	1	03-Mar-14	03-Mar-14																																																
ICCS-2220	SECOND FLOOR CORE AND SHELL COMPLETE	1	04-Mar-14	04-Mar-14																																																
<b>THIRD FLOOR ( CORE &amp; SHELL ONLY)</b>																																																				
ICCS-3000	INSTALL MECHANICAL RISERS WITH CONNECTIONS FOR FUTURE FITOUT	5	09-Oct-13	16-Oct-13																																																
ICCS-3010	INSTALL ELECTRICAL RISERS WITH CONNECTIONS FOR FUTURE FITOUT	5	09-Oct-13	16-Oct-13																																																
ICCS-3020	INSTALL SPRINKLER RISERS WITH CONNECTIONS FOR FUTURE FITOUT	5	09-Oct-13	16-Oct-13																																																
ICCS-3040	INSTALL SPRINKLER PIPING WITH UPRIGHT SPRINKLER HEADS ( GENERAL FLOOR AREA )	5	17-Oct-13	23-Oct-13																																																
ICCS-3030	INSTALL PLUMBING ROUGH IN AT REST ROOMS	5	17-Oct-13	23-Oct-13																																																
ICCS-3070	INSTALL STEEL STUDS	3	23-Oct-13	25-Oct-13																																																
ICCS-3090	INSTALL CODE REQUIRED FIRESTOPPING	3	24-Oct-13	28-Oct-13																																																
ICCS-3080	IN STUD ROUGH IN	3	24-Oct-13	28-Oct-13																																																
ICCS-3230	TEST ALL ABOVE CEILING PIPING	3	24-Oct-13	28-Oct-13																																																
ICCS-3110	INSULATE EXTERIOR WALL FRAMING	3	28-Oct-13	30-Oct-13																																																
ICCS-3100	INSTALL DRYWALL AT RESTROOMS / ELECT & DATA ROOMS	3	13-Feb-14	17-Feb-14																																																
ICCS-3120	TAPE AND FINISH DRWALL	3	18-Feb-14	20-Feb-14																																																
ICCS-3050	INSTALL CODE REQUIRED LIGHTING ( GENERAL FLOOR AREA )	5	18-Feb-14	24-Feb-14																																																
ICCS-3130	PAINT ELECTRIC AND DATA ROOMS AND STAIRWELLS	3	21-Feb-14	25-Feb-14																																																
ICCS-3140	INSTALL CERAMIC TILE AT RESTROOMS	3	21-Feb-14	25-Feb-14																																																
ICCS-3060	INSTALL CODE REQUIRED FIRE ALARM SYSTEM (GENERAL FLOOR AREA)	5	21-Feb-14	27-Feb-14																																																
ICCS-3150	INSTALL CEILING GRID AT RESTROOMS	2	26-Feb-14	27-Feb-14																																																
ICCS-3160	MECHANICAL DROPS AT CEILING GRID	2	27-Feb-14	28-Feb-14																																																
ICCS-3170	INSTALL LIGHT FIXTURES / GRILLES / DIFFUSERS AT CEILING GRID	2	28-Feb-14	03-Mar-14																																																

- Remaining Level of Effort
- Actual Work
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- Milestone



























**BID PROPOSAL FORM**

**Project:** Buley Library Renovations BI-RS-225B CMR

**Bid Package:** \_\_\_\_\_

**Bid Package No.:** \_\_\_\_\_

**Bid Due Date/Time:** Friday, February 8<sup>th</sup>, 2013 – 11am

(BIDDER MUST SUBMIT SEPARATE BID FORMS WHEN BIDDING MULTIPLE PACKAGES)

**Proposal Submitted By:**

Company Name \_\_\_\_\_  
Address \_\_\_\_\_

Telephone \_\_\_\_\_  
Fax \_\_\_\_\_

Subcontractor License No. \_\_\_\_\_

Subcontractor EMR Rate \_\_\_\_\_

Federal Tax ID No. \_\_\_\_\_

Business Classification MBE  WBE  SBE

**1. BASE BID**

The above noted Bidder hereby proposes to provide for all work as defined in the Contract Documents and any incidental work necessary to construct a complete, working, and fully operational system for all work as defined herein, for the totally inclusive lump sum amount, including all applicable sales and use taxes of:

(Written) \_\_\_\_\_ \$ \_\_\_\_\_

*Note #1 - The award of subcontracts for a specific bid package will be based on the lowest qualified and responsible Subcontractor base bid plus those Supplemental Bids selected. The selection of supplemental bids will be determined after the bid opening and is contingent on the available project funds.*

*Note #2 - The award of supplemental bids will be taken in order as they appear in Note #3 of the Subcontractor Proposal Form. If project funds do not allow for a supplemental bid to be taken in its entirety, the owner reserves the right to add portions of the supplemental bid. The definition of "Supplemental Bid" is outlined in the Section #4.1.4 of the Instruction to Bidders.*

Southern Connecticut State University – Buley Library Renovation BI-RS-225B CMR

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*Note #3 - If project funds do not allow for a supplemental bid to be taken in its entirety, the owner reserves the right to add portions of the supplemental bid in following order from first to last: BP15A, BP15, BP16, BP13, BP13B, BP09, BP08A, BP09A, **BP08**, BP06, BP09B, BP09C, BP12, BP10A, and BP13A. Remaining trades not listed will be selected at the owner's discretion.*

**2. CONTRACT**

Bidder has reviewed the Skanska USA Building Inc. Subcontract Agreement, acknowledges all requirements are included in the above lump sum price, and agrees to sign upon contract award without modification:

Acknowledged (box must be marked)

**3. EXISTING INVENTORY MATERIALS**

Bidder has reviewed the Existing Inventory Materials list included in section **00 31 25, and subsequent Addendum #1 Inventory Update** and has included those materials assigned to your specific bid package for use on this project. Bidder is responsible for the transportation of inventory materials from storage facilities to your shop for fabrication or to the project site for installation. Any unused materials assigned to your bid package will be the responsibility of this Subcontractor to remove from storage and legally dispose of at no additional cost to the project unless specifically identified to be turned over to the owner at the completion of the project. Materials currently stored on site shall be removed by the responsible trades prior to the start of construction. Delivery of any and all materials to the jobsite shall be coordinated with the Project Schedule and reviewed with Skanska's Superintendent. *Refer to section 01 35 16 – 2.2 Salvaged Materials for those materials that are to be turned over to the owner at project completion.*

Acknowledged (box must be marked)

**4. COMMISSION ON HUMAN RIGHTS AND OPPORTUNITIES  
(SELECT NON-SET ASIDE BID PACKAGES)**

Select Non Set-Aside Subcontractors, as identified in the Invitation to Bid, shall award twenty five (25%) percent or more of the value of this Subcontract to DAS certified SBE's. This Subcontractor shall also award ten (10%) percent or more to DAS certified M/WBE's.

***Note: All SBE Set-Aside bidders will be required to award five (5%) percent or more of the value of this subcontract to DAS certified M/WBE's.***

Within five (5) days of Bid Opening, this apparent lowest bidder will disclose its estimated costs for the named SBE and M/WBE Sub-Subcontracts to verify compliance with this requirement.

By submitting this bid, this Subcontractor has acknowledged and agreed to this requirement.

Acknowledged (box must be marked)

Failure to acknowledge and verify compliance with these requirements will result in a bid that is non-responsive and will be rejected.

Southern Connecticut State University – Buley Library Renovation BI-RS-225B CMR

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**5. ADDENDA**

Receipt of the following Addenda is hereby acknowledged:

Addendum No. 1	Date	01-15-13
Addendum No. 2	Date	01-22-13
Addendum No.	Date	

**6. SUB-SUBCONTRACTORS**

The following Sub-Subcontractors are included with this proposal:

Sub-Subcontractor	Scope of Work	Business Classification (SBE, MBE, WBE)	EMR
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**7. SUPPLEMENTAL BIDS (Addendum #2)**

Provide supplemental bid pricing to reflect the work of the bid package under which this bid proposal was submitted. The supplemental pricing indicated shall remain valid for the life of the project and include all costs for complete installation.

A. Supplemental Bid 1: Add to complete 2<sup>nd</sup> Floor Fit-Out (*reference A-102A*)      \$\_\_\_\_\_

Note: 3<sup>rd</sup> and 4<sup>th</sup> floor fit-out work identified in the contract documents *on drawings A103A, A104A and A104.1 is not part of his project and may be bid as a separate project at a future date.*

**8. UNIT PRICES**

**Specification Section 012000 – Contract Considerations** identifies established unit price rates for specific scopes of work. By submitting this bid, this Subcontractor has acknowledged and agreed to the rates applicable to the Scope of Work related to this proposal.

Acknowledged (box must be marked)

**9. LABOR & EQUIPMENT RATES**

**A. LABOR RATES**

Skanska may elect to have Subcontractor provide labor (or additional labor) in connection with its Scope. All additional labor shall be billed at the applicable rate as required by law. Each specified rate is inclusive of all of Subcontractor’s costs and expenses to furnish the additional labor in accordance with all requirements of the Subcontract/Purchase Order.

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This Subcontractor shall complete the requested information noted below based on their Scope of Work. This shall be used as reference only and does not constitute acceptance. This Subcontractor will be required to provide a complete breakdown in accordance with Exhibit C prior to issuance of a Subcontract.

Trade	Straight Time	Premium Time	Double Time
1. Foreman	\$ _____ /hr	\$ _____ /hr	\$ _____ /hr
2. Journeyman	\$ _____ /hr	\$ _____ /hr	\$ _____ /hr
3. Apprentice	\$ _____ /hr	\$ _____ /hr	\$ _____ /hr
4. Laborer	\$ _____ /hr	\$ _____ /hr	\$ _____ /hr
5.	\$ _____ /hr	\$ _____ /hr	\$ _____ /hr
6.	\$ _____ /hr	\$ _____ /hr	\$ _____ /hr

**10. EQUIPMENT**

Skanska may elect to have Subcontractor provide any of the following equipment in connection with its Scope at the applicable “Hourly”, “Daily”, “Weekly”, or “Monthly” rate specified. Each specified rate is inclusive of all of Subcontractor’s costs and expenses to furnish the equipment in accordance with all requirements of the Subcontract/Purchase Order, including but not limited to the following: transportation, delivery, pickup, fuel, energy costs, consumables, connections, maintenance, wear and tear, repair, depreciation, storage, tax, overhead, and profit. If an hourly rate is used, equipment shall be charged based upon actual usage within ½ hour.

This Subcontractor shall complete the requested information noted below based on their Scope of Work. This shall be used as reference only and does not constitute acceptance. This Subcontractor will be required to provide a complete breakdown in accordance with Exhibit C prior to issuance of a Subcontract.

Equipment Description	Rate			
	Hourly	Daily	Weekly	Monthly

Rental costs of Subcontractor equipment not shown on the list above shall be charged as follows:

- 80% of the rates shown in the latest edition of “Nationally Averaged Rental Rate and Model Reference Data for Construction Equipment” prepared by Associated Equipment Distributors, Chicago, Illinois (“AED”); or if not shown in AED,
- 80% of the rates shown in the latest edition of “Tool and Equipment Rental Guide” prepared by Mechanical Contractors Association of America (“MCA”); or if not shown in MCA,
- 60% of the rates shown in the latest edition of “Rental Rate Blue Book for Construction Equipment” published by Equipment Guidebook Company, Palo Alto, CA (“Blue Book”); or if not shown in the Blue Book,
- 60% of the rates shown in the latest edition of “Tool and Equipment Rental Schedule” published by National Electrical Contractors Association, Bethesda, MD (“NECA”).

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**11. CHANGE ORDERS/ALLOWABLE MARKUPS (Addendum #2)**

*Subcontractor/Seller shall apply the following overhead and profit markups for changes in the Scope in accordance with State of Connecticut DPW/DCS Standard forms 735 and 737:*

	<b><u>OH&amp;P % Markup</u></b>
<b>A. Labor, Material and Equipment up to \$5,000</b>	<b>20%</b>
<b>B. Labor, Material and Equipment \$5,001 to \$15,000</b>	<b>17%</b>
<b>C. Labor, Material and Equipment \$15,001 to \$25,000</b>	<b>15%</b>
<b>D. Labor, Material and Equipment \$25,001 and greater</b>	<b>12%</b>

- *The markup on labor shall be reflected in the labor rates stated in Section V and shown in the Labor Rate Breakdown.*
- *The markup on material shall be applied after all applicable discounts and rebates due Subcontractor/Seller are considered.*
- *The markup on third party rentals shall be applied to the direct invoiced cost. Equipment owned by the Subcontractor/Seller is not eligible for markup, and is subject to the rates shown in Subcontract Exhibit C Section IV.*
- *The markup on Sub-subcontractor/Subsupplier work/supply in connection with a change in Scope shall be applied to the direct invoiced cost from the Sub-subcontractor/Subsupplier. Sub-subcontractor's/Subsupplier's markup for its own direct cost shall not exceed the percentages listed above for labor, material, and third party rentals.*
- *The additional bond and insurance premium on a change in Scope shall be applied to the direct cost of the change and is not eligible for markup.*
- *Overhead and profit shall be inclusive of the following: home office costs, management, supervision, training, vehicles and pickups, travel, reproduction, temporary facilities, computers, office equipment, small tools, and other incidentals. Small tools are defined as tools that do not have a new unit cost in excess of \$750.00.*
- *CT DPW/DCS Form must be completed inclusive of associated backup documentation for each change order proposal submitted by the prime subcontractor.*

**12. BASE BID COST BREAKDOWN**

The following information is required at time of bid:

Material Cost	\$ _____
Labor Cost (Total Hours ___ / Avg. Crew ___)	\$ _____
Equipment Cost	\$ _____
Insurance, Bond, Other Costs	\$ _____
Tax, as Required	\$ _____
<b>Total Cost (Must Equal Base Bid)</b>	<b>\$ _____</b>

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In addition to the above cost breakdown, Skanska reserves the right to request additional cost breakdowns at the time of scope review and prior to Contract Award.

By submitting this bid, this Subcontractor has acknowledged and agreed to this requirement.

Acknowledged (box must be marked)

**13. QUANTITY BREAKDOWN**

Skanska reserves the right to request quantity breakdowns at the time of scope review and prior to Contract Award.

By submitting this bid, this Subcontractor has acknowledged and agreed to this requirement.

Acknowledged (box must be marked)

**14. BID PROPOSAL FORM ATTACHEMENTS**  
(MUST BE SUBMITTED WITH BID PROPOSAL)

- Proposal Form
- Skanska Qualification Form
- DAS Prequalification Certificate (If Bid is in excess of \$500,000)
- Bid Bond
- Consent of Surety
- Non-Collusion Affidavit
- State of Connecticut OPM Ethics Form 6
- Contractors Wage Certification Form
- Requirement Omitted via Addendum*

SUBCONTRACTOR: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

TELEFAX: \_\_\_\_\_

DATE: \_\_\_\_\_

(Affix Corporate Seal –if Corporation)

END OF BID PROPOSAL FORM



**SCSU: BULEY LIBRARY RENOVATION PHASE 2**

**ADDENDUM #2: BIDDING RFI LOG**

January 22<sup>nd</sup>, 2013

**SKANSKA RESPONSE:** BP-09D Poured Terrazzo is responsible for Specification Section 09 66 23 Thin Set Epoxy Terrazzo. There is no terrazzo tile on the project.

7. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 09 68 16

**QUESTION:** Spec Section #09 68 16 "Carpet (Glue Down) & other owner supplied items

- a. Our estimate is to include labor only to install owner supplied carpet. If we estimate the job and find the owner's carpet insufficient in quantity, do we include \$ to supply added carpet.
- b. Spec Section #09 68 16 sub section #1.4 D. "Carpet supplied for this project must be from same dye lot for each carpet type." Are we to assume that each carpet type previously purchased is all the same dye lot. And if any additional carpet is needed to be purchased it will obviously be at least another dye lot.
- c. If additional carpet is needed to be purchased @ post bid, will the owner be issuing a change order for us to purchase or will SCSU / State deal directly with the carpet supplier?
- d. Spec Section #09 68 16 "Carpet" Subsection #1.7 "Warranty" B. Mfg. Warranty - We wouldn't be providing this warranty for carpet already purchased. Just for any new carpet needed

**OPA RESPONSE:** a: no b: yes c: it is unlikely that additional carpet will be needed based on quantity of material in storage vs. quantity needed for bid. d: warranty for existing carpet shall be for installation.

8. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 00 31 25

**QUESTION:** Confirmation of the following: Owner supplied Items: VCT, Carpet, Stair Treads, Rubber Tile & Misc. Ceramic Tile Pieces

**SKANSKA RESPONSE:** See Material Inventory 00 31 25, as revised in Addendum #1.

9. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 07 13 00

**QUESTION:** Substitution Request- Grace Permabarrier Liquid; Sto Guard System Vapor Seal. Documentation Attached

**OPA RESPONSE:** Substitution request for Sto Guard System is accepted.

10. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 09 51 13

**QUESTION:** ACT-1 Armstrong Crossgate Grooved has been discontinued by Armstrong. Please provide a replacement tile.

**OPA RESPONSE:** Change Section 09 51 13 - 2.01 - A from "Crossgate grooved" to "Graphis Rustex Liner item #2602" Color "Oyster" Performance characteristics and profiles of alternate manufactures tiles shall be based on this tile as a minimum standard.

11. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** BP 12 -shades. The spec calls for Mecho shades or equal. If we bid this project with Draper or Lutron do we have to submit a substitution form? We have to know if Lutron would be accepted since it is a low voltage system and requires less wiring than the 120volt Mecho or Draper shades.

**SKANSKA RESPONSE:** Draper Motorized Flex Shade System and Lutron Sioia QED systems are acceptable for shade systems. All required wiring and controls to provide a complete system are to be included by BP-12. BP-16 electrical contractor is responsible for power wiring to junction boxes as identified on the plans. Reference also RFIs #12 & #87.

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12. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-12 & 16  
12 21 13

**QUESTION:** BP-12-The spec calls for use to wire the shades. Which electrical contractors are bidding this project that we could contact to bid the wiring for the shades?

**OPA/SKANSKA RESPONSE:** Shade wiring describe in spec Section 12 21 13, 2.1 A to E. Junction boxes and circuits provided on electrical plans. BP-16 Electrical shall furnish and install wiring to junction box. BP-12 shall be responsible to furnish and install wiring and terminations from the junction box to the shade system and all associated control wiring. Reference Pre-Bid Sign-In Sheet, emailed to all potential bidders with the Pre-Bid Meeting Agenda for electrical contractors. Both the Pre-Bid Sign-In Sheet and Pre-Bid Meeting Agenda are available on the project website under 'Bid Docs': <https://partners.myskanska.com/usa/clients/scsu/Buley/SitePages/Home.aspx>

13. Reference: Drawing FPD-100 Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** What is our responsibility for the demolition work on the existing sprinkler piping shown on FPD-100? Do we cut, cap and make safe for removal by others or do we drop to the floor and remove this piping from the building? Please clarify

**SKANSKA RESPONSE:** BP-13 Fire Protection Subcontractor is responsible to isolate, cut, cap, make safe existing sprinkler piping scheduled for demolition, and removal of demolished piping to dumpster during demolition.

14. Reference: Drawing FP-102 Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** FP-102 Second Floor supplemental Bid1 work appears to start south of column XH. What about the work between columns XH and XK? Is this part of the base bid or is it excluded entirely?

**OPA RESPONSE:** Part of Base Bid.

15. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09B  
21 10 00

**QUESTION:** Section 21 10 00 item 2.03 indicates for us to paint all sprinkler piping. Is this correct? Painting of piping usually falls under the painting contractor. Please clarify

**SKANSKA RESPONSE:** BP-09B Painting Subcontractor is responsible for painting of sprinkler piping.

16. Reference: Drawing FP-201 Detail 10 Spec 21 10 00

**QUESTION:** FP-201 Detail 10 Preaction Valve Schematic indicates that we are to provide the detection wiring and devices for this system. Section 21 10 00 Item 1.02 B.11 indicates the same. Is this correct? This is usually under the electrical contractor's scope of work. Please advise.

**SKANSKA RESPONSE:** BP-13 Fire Protection subcontractor shall furnish and install devices; BP-13B Fire Alarm subcontractor shall furnish, install, and connect wiring for a complete operational system.

17. Reference: Drawing FP-103, FP-104 Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** Work on FP-103 Third Floor and FP-104 Fourth Floor indicates for us to install an upright system for the base bid for future fitout. This is shown on both floors starting south of column XH. What about the work between columns XH and XK? Is this to be excluded? Please clarify.

**OPA RESPONSE:** Work in Connector area between columns XH and XK on all floors is in Base Bid.

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18. Reference: Drawing FP-106 Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** FP-106 4<sup>th</sup> Floor Addition. What is in our scope of work for the base bid. Do we provide upright protection in the future fitout area like the 3<sup>rd</sup> and 4<sup>th</sup> floors? Do we install the upright heads in the Mechanical Rooms? Also, where is the main coming from that feeds these areas? Please clarify

**OPA RESPONSE:** 4th floor existing addition work is not in scope except for any rework of heads in portion not clouded.

19. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** We intend to satisfy the CHRO requirements thru material suppliers and not subcontracting of the work. Is this acceptable? Please advise.

**CHRO RESPONSE:** You can meet your requirements by purchasing material supplies. However, any work your company is not doing, we must see opportunities provided to set aside companies.

20. Reference: Drawing A901A Detail \_\_\_\_\_ Spec BP-09C

**QUESTION:** Plan A901A upper left hand corner of plans shows CPT1 Remove and replace. Is this part of this contract work? If yes, is area larger than what is shown on plans?

**OPA RESPONSE:** Yes, area of carpet to be replaced is 520 s.f.

21. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09C

**QUESTION:** Do you have the name of the Bentley carpet contact involved with this job?

**OPA RESPONSE:** Contact information for the Bentley Carpet from the original AKV specification is: Fury Sabato, 58 Morning Glory Drive, Middletown, CT 06457 1 (800) 423-4709 x5006

22. Reference: Drawing A601 Detail \_\_\_\_\_ Spec BP-09C

**QUESTION:** Plan A-601 Detail 8 indicates 4" wall tile meeting 6" base and floor tile and aligning joints. These sizes won't match up as shown. Please advise.

**OPA RESPONSE:** Joint Between Cove Base and Wall will not line up.

23. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09C  
00 31 25

**QUESTION:** Inventory sheet- page #45 Meyer tag No. 237 indicates a lenth of 3149lf. Is this correct? If not, what is its actual length?

**OPA RESPONSE:** No, 3149 is a typo; use 149LF. This was addressed in Addendum #1 revision to 00 31 25 Existing Material Inventory List.

24. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09C  
00 31 25

**QUESTION:** Inventory sheet- page #45 & 46 Ceramic tile.

- a. Is the quantity listed after the total # of boxes the quantity per box?
- b. Page #46 there are 187 boxes a.o. 4 ¼" x 4 ¼" wall tile. Is this the Bright Linen tile?

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**SKANSKA RESPONSE:**

- a. Yes, contractor is to assume quantity per box based on the information provided on the Material Inventory List, as revised in Addendum #1.
- b. Yes, contractor is to assume 187 boxes 4 ½" x 4 ½" wall tile is Bright Linen tile.

25. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09

**QUESTION:** BP-09 Exhibit A Item #20. This item references installation of...

1. Is someone 'furnishing the temp. steel cable & turnbuckle to us?
2. Who furnishes and installs steel angle supports for steel cable and turnbuckles to attach to?

**SKANSKA RESPONSE:**

1. BP-09 subcontractor is responsible for furnishing, installing, removal, and disposal of all temporary items required to prevent damage; including wind loading to installed framing.
2. BP-09 subcontractor is responsible for furnishing and installation of steel angle supports as required.

26. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09 Exhibit A #33

**QUESTION:** This item references a 36" x 96" piece of ½" plywood in-wall blocking at each glass sign. Is this 36" x 96" size correct?

**SKANSKA RESPONSE:** BP-09 Scope Item #33 identifies the minimum size for in-wall blocking required for glass signage.

27. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09 Exhibit A #42

**QUESTION:** This item references all blocking required for AV systems. Is this AV System the same as the electric projector screens that are referenced in Item 77 or is this different?

**SKANSKA RESPONSE:** Reference Technology drawings for AV system components.

28. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09 Exhibit A, #44

**QUESTION:** This item references ¾" premium grade surface mounted plywood. Is this plywood to be fire-treated?

**SKANSKA RESPONSE:** Yes

29. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09 Exhibit A #85

**QUESTION:** This item references damage to spray fireproofing. Are we to be responsible for damage caused by other trades. If so, how do we quantify this?

**SKANSKA RESPONSE:** BP-09 subcontractor is responsible only for damage to firproofing by your craftsmen and your subcontractor's craftsmen.

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30. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** In the prebid meeting dated Jan 3 it was stated that floors 3 and 4 were not part of this bid. Is that in it's entirety? Are the data closets going to be built out and fitted with racks and ladder rack and feed cables run on this bid or on the next bid for floors 3 and 4?

**OPA RESPONSE:** See Drawing Notes: Data rooms are built on 2, 3 and 4, but only stub in empty conduits. Room 220 shall be fit out complete as part of supplemental bid #1.

31. Reference: Drawing L-101, L-106 Detail \_\_\_\_\_ Spec 32 14 13.17

**QUESTION:** Please show a detail for the transition between concrete pavers and concrete sidewalks. Detail #14/L-106 and #5/L-106

**OPA RESPONSE:** See attached B-SKL-01

32. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** Please clarify the gravel drip strips. No detail or spec section shown.

**OPA RESPONSE:** Gravel drip strips are no longer in this project.

33. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 00 41 00

**QUESTION:** Are you taking combination bids?

**SKANSKA RESPONSE:** Contractors may submit Bid Proposals on multiple Bid Packages, however each Bid Package Proposal must be submitted individually on its own Bid Proposal Form with all required attachments, copies and associated bonding and certifications. Note- Acknowledgement to Bid form must identify each packages for which the contractor will submit a bid.

34. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec Exhibit A, BP-09, #39

**QUESTION:** This item references corner guards. Where are they specified?

**SKANSKA RESPONSE:** See Detail 8/A300

35. Reference: Drawing A-515 Detail 01 Spec \_\_\_\_\_

**SKANSKA QUESTION:** 2 ½" rigid insulation shown at curtain wall above ceiling. Is this part of Bid Package #09? Where is this specified?

**OPA/SKANSKA RESPONSE:** Reference BP-09 Exhibit A Items #13 and 56. Specified in Section 07 21 00, thichness note shall be added to spec.

36. Reference: Drawing A515 Detail 2 Spec BP-08

**QUESTION:** Bent metal trim with ½" drip shows batt insulation in-fill. 1- how is batt insulation installed here? 2- is this part of Bid Package #09?

**OPA/SKANSKA RESPONSE:** BP-08 is responsible to provide insulated metal trim with drip edge, curtainwall flashing and trim to match color of Schucco system. Various flashing and trim pieces are not necessarily Schucco.

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37. Reference: Drawing A-550 Detail E, 9, G, H, J Spec BP-04  
BP-08  
BP-09

**QUESTION:** A number of details on this page show 2 ½" rigid insulation on AVB on ½" gyp sheathing. Who is to furnish and install this rigid insulation?

**SKANSKA RESPONSE:** BP-09 owns AVB at exterior of all drywall. BP-04 Masonry/Precast owns insulation and AVB behind all brick, precast and metal paneling.

38. Reference: Drawing A-514 Detail 6 Spec \_\_\_\_\_

**QUESTION:** 2 ½" rigid insulation shown at curtain wall above ceilings. Is this part of Bid Package 09? Where is this specified?

**SKANSKA RESPONSE:** Reference RFI #37 and Specification 07 21 00.

39. Reference: Drawing A-514 Detail 2 Spec \_\_\_\_\_

**QUESTION:** Detail shows ¾" lath and plaster on susp. System. Is this part of Bid Package 09? Where is this specified?

**OPA/SKANSKA RESPONSE:** BP-09 is responsible for lath and plaster on suspension system. See attached B-SKA-01 for extent of work to and specification. Lobby 101 has been changed to lath and plaster ceiling.

40. Reference: Drawing A-513 Detail 12 Spec \_\_\_\_\_

**QUESTION:** This detail shows the specific UL # for the floor/wall termination at curtain walls. What is the UL # requested for the floor/wall terminations at metal stud walls or CMU walls?

**OPA RESPONSE:** See Partition Types on A-820, note 8 for CMU, follow HW-D-0097

41. Reference: Drawing T-101 Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** Drawing T-101 has a symbol "PT" in a square. This is not on the symbol list. Assuming it's a poke-through for the table power/data, who is to provide combination poke-throughs with power and data?

**OPA RESPONSE:** Yes PT is a poke-through as identified on E-001 Electrical Symbols list. BP-13C and BP-16 shall both be responsible for coordinated installation of these devices. BP-16 is responsible for furnishing and installing combination poke-through devices, power wiring and termination. BP-13C shall be responsible for furnishing and installing communication wiring, including communication termination at the device. Each trade shall be responsible for providing their own pathways and exposed and concealed conduit.

42. Reference: Drawing A-303 Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** All (the majority) of details on this page show "corner guards, typical". Is this referencing actual "corner guards" or is this in reality referencing outside corner bead for wallboard tape and finish?

**SKANSKA RESPONSE:** A-303 details indicate corner guards. See 8/A-300 for typical corner guard detail.

43. Reference: Drawing A-300 Detail \_\_\_\_\_ Spec \_\_\_\_\_



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**SKANSKA RESPONSE:** Correct, BP-05A is responsible for providing embeds to the concrete subcontractor required for the work of this bid package.

50. Reference: Drawing A513 Detail 2, 6, 8 Spec BP-05A, Exhibit A #15

**QUESTION:** Please provide an example detail of the angles as described by Bid Package 05A scope of work item 15. Note that many of the trades listed are responsible to furnish and install their own supports per the scopes of work.

**SKANSKA RESPONSE:** Example details 2, 6 & 8/A513. BP-05A is responsible for Scope of Work Item #15 in its entirety.

51. Reference: Drawing A513 Detail 8 Spec BP-05A, Exhibit A #16

**QUESTION:** Please provide an example detail of the angles as described by Bid Package 05A scope of work item 16. Note that many of the trades listed are responsible to furnish and install their own supports per the scopes of work.

**SKANSKA RESPONSE:** Example detail 8/A513. BP-05A is responsible for Scope of Work Item #16 in its entirety.

52. Reference: Drawing A514, S303 Detail 8/A514 B&G/S303 Spec BP-05A, Exhibit A #18

**QUESTION:** Please provide an example detail for the plate and anchors as described by Bid Package 05A scope of work item 18.

**SKANSKA RESPONSE:** Example details B&G/S303, 8/A514. This Subcontractor is responsible for similar channel conditions shown on detail B/S309

53. Reference: Drawing S312 Detail 2 Spec BP-05 BP-05A

**QUESTION:** Reference BP-05A, Exhibit A #19- Please clarify which angles shown by S312 are to be by the misc metals subcontractor. There are no angles shown welded to roof deck as described.

**SKANSKA RESPONSE:** Angles are welded to roof joist; BP-05 Structural Steel is responsible for furnishing and installation of angles and finish strip. Reference detail 2/S312.

54. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-05 BP-05A

**QUESTION:** Reference BP-05A, Exhibit A #20- Please verify the demolition described by Bid Package 05A scope of work item 20 is to be performed by the misc metals subcontractor. It appears the wire fabric and dowel reinforcement are encased in existing concrete and this demolition should fall under Bid Package 03 scope of work item 5.

**SKANSKA RESPONSE:** BP-05 Structural Steel shall be responsible for demo of wire fabric and dowels, due to the requirement of BP-05 Exhibit A Item #22 to establish and install pour stops.

55. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-05 BP-05A

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**QUESTION:** Reference BP-05A, Exhibit A #26- Please verify that the existing railing to be removed will be free from lead paint prior to removal.

**SKANSKA RESPONSE:** No, contractors are to assume the presence of lead based paint at existing metal components scheduled to be removed. BP-05 Structural Steel is responsible to perform appropriate remediation procedures at existing points of connection to facilitate rail removal, and remediation at points of connection for new railing installation. BP-05A Misc. Metals is responsible for removal and disposal of railing.

56. Reference: Drawing                      A702                      Detail                      Spec                      BP-05  
                                                                                                                              BP-05A

**QUESTION:** Please verify that existing stair stringers will be free of lead based paint prior to installation of new rails.

**SKANSKA RESPONSE:** Reference RFI #55.

57. Reference: Drawing                                           Detail                      Spec                      BP-05A  
                                                                                                                              Exhibit A #27  
                                                                                                                              & 33

**QUESTION:** Please verify that the glass canopy support structure and demo of existing structure are to be by the misc metals subcontractor as described by Bid Package 05A scope of work items 27 & 33 and not by the structural steel subcontractor. Note that this work is clearly shown by the structural steel drawings and is part of Bid Package 05 per Bid Package 08 scope of work item 6.

**SKANSKA RESPONSE:** BP-05A is responsible glass canopy for Scope of Work Items #27 & 33 in their entirety. BP-08 Item #6 shall be revised to reference BP-05A.

58. Reference: Drawing                                           Detail                      Spec                      BP-05A,  
                                                                                                                              Exhibit A #27

**QUESTION:** Please verify the steel to be demo'd by the misc metals subcontractor as described by Bid Package 05A scope of work item 27 will be free of lead paint at the time of removal.

**SKANSKA RESPONSE:** Yes, assume no lead.

59. Reference: Drawing                                           Detail                      Spec                      BP-05A,  
                                                                                                                              Exhibit A #28

**QUESTION:** Please verify that the demolition of existing siding and supports as described by Bid Package 05A scope of work item 28 is to be by the misc metals subcontractor.

**SKANSKA RESPONSE:** Confirmed, demolition of existing siding and supports is the responsibility of BP-05A as indicated in Exhibit A.

60. Reference: Drawing                                           Detail                      Spec                      BP-05A,  
                                                                                                                              Exhibit A #28

**QUESTION:** Please provide additional information (ie. Pictures, details, spec) regarding the siding and support to be demo'd per Bid Package 05A scope of work item 28.

**OPA/SKANSKA RESPONSE:** OPA recommends viewing condition in field. Reference Addendum #2 General Item #1A for Follow-Up Site Visit on January 28<sup>th</sup>, 2013.

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61. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-05A, Exhibit A #28

**QUESTION:** Please verify that the siding and support to be demo'd by the misc metals subcontractor as described by Bid Package 05A scope of work item 28 will be free of lead paint prior to removal.

**SKANSKA RESPONSE:** Yes, assume no lead. BP-05A is responsible for siding and support demolition per item #28.

62. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-05A, Exhibit A #30

**QUESTION:** Please provide details, locations, etc for the anchor plates as described by Bid Package 05A scope of work item 30.

**SKANSKA RESPONSE:** Reference RFIs 50-53 for miscellaneous plates and angles.

63. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-05A, Exhibit A #34

**QUESTION:** Please verify that Bid Package 05A scope of work item 34 pertains to new fireproofing only.

**SKANSKA RESPONSE:** BP-05A Scope of Work Item #34 pertains to new and existing fireproofing.

64. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-05A, Exhibit A #35

**QUESTION:** Please provide details and quantities for the clips described by Bid Package 05A scope of work item 35.

**SKANSKA RESPONSE:** BP-05A shall include an allowance value of \$2,000 for Exhibit A Work Item #35.

65. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-05A, Exhibit A #42

**QUESTION:** Please provide details and locations for the loading lanyard supports as described by Bid Package 05A scope of work item 42.

**SKANSKA RESPONSE:** Construction loading areas will be located in field during construction activities; tie off lanyard supports locations will be determined at that time.

66. Reference: Drawing A515 Detail 4 & 4.1 Spec 07 53 23

**QUESTION:** Please identify the location of the rooftop pavers specifications and an installation detail. Are they to be mortared to the top of the concrete or is there a system the architect is requiring for that specific application.

**OPA RESPONSE:** See 4/A-515 and 4.1/A-515, and Spec 07 53 23 section 2.2 I, J

67. Reference: Drawing A812 Detail \_\_\_\_\_ Spec 08 80 00

**QUESTION:** Please identify glass types on drawings.

**OPA RESPONSE:** A-812 note: All glass shall be B or B1 (tempered as required by code). A-811, AL-7B and AL-7C: All Panels that go to floor shall be B1 Tempered glass.

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68. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec Div. 27  
00 31 25

**QUESTION:** Throughout the Division 27 spec specific part numbers are indicated for teledata equipment, cable types, jack types and fiber cable and hardware. The stored materials list has equivalent material to that in the spec but not the exact materials specified. What part number takes precedence for bidding? Is the goal to reuse as much stored material as possible or to comply with the part numbers in the spec?

**OPA RESPONSE:** Use what is specified, if existing material matches then use it, if not provide product specified. The re-issuing of inventory list (Addendum #1 part 00 31 25) should clarify.

69. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** Regarding Stored Mohawk Cable and the 20 year warranty identified in the spec:

1. Has the container remained dry, that is, no moisture has gotten in?
2. Was it stored at room temperature; if it was outdoors there is temperature cycling which can create moisture issues

**OPA/SKANSKA RESPONSE:** Contractor is to assume material stored has been stored indoors in basement with non-freezing, dry conditions.

70. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 21 05 00

**QUESTION:** Spec Section 21 05 00 Fire Sprinkler Section 3.03 Painting states the following:

- A. Painting of fire-suppression systems, equipment, and components is specified in Division 9 Sections "Interior Painting" and "Exterior Painting".
- B. Damage and Touchup: Repair to marred and damaged factory-painted finishes with materials and procedures to match original factory finish.

Is the painting and touch up of the fire sprinkler piping the fire sprinkler contractors responsibility or the painters responsibility? Please clarify.

**SKANSKA RESPONSE:** BP-09B Painting Subcontractor is responsible for application of field applied coatings. BP-13 Fire Protection Subcontractor is responsible for repair to marred and damaged factory painted finishes and repair to field applied finishes damaged/caused by his construction activities.

71. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-07 &  
BP-09

**QUESTION:** Please clarify who owns roof blocking. Blocking is called out in both bid packages 7 & 9.

**SKANSKA RESPONSE:** If roof blocking is included in your bid package it is required to be included in your bid.

72. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 07 13 00

**QUESTION:** Please clarify who owns section 07 13 00 "Air and Vapor Barrier System". Exhibit A Roofing scope this this section as well as in the mason scope. This is typically carried in the mason scope because of the specialty rig that is required to apply the specified product. Also line item 16 in the roofing scope calls out installation of some air and vapor barrier. Can you please clarify this installation or possibly include with the mason scope due to the previously mentioned specialty rig required.

**SKANSKA RESPONSE:** BP-07 is responsible for section 07 13 00 as described in Exhibit A. Reference BP-07 scope of work item #14, 16, 19, 20. BP-07 is responsible for AVB per details 1 & 2/A551 and similar conditions. BP-03, BP-04 and BP-08 are each responsible for section 07 13 00 as described in applicable Exhibit A documents.

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73. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-07 & -09

**QUESTION:** Whose scope would include removal of existing roofing?

**SKANSKA RESPONSE:** Reference BP-07 Exhibit A Scope of Work Item #4 and BP-09 Scope of Work Items #6 and #7 (as modified by Addendum #2).

74. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 07 53 23

**QUESTION:** Carlisle is the only manufacturer specified for white EPDM roofing. Is Firestone an acceptable manufacturer? Product data attached for reference.

**OPA RESPONSE:** Yes, Firestone RubberGuard EcoWhite 60mil EPDM is acceptable.

75. Reference: Drawing A6.01 Detail 8 Spec 09 30 13

**QUESTION:** Tile pattern shows wall tile height as 6 ft (8/A6.01) elevation also scales to 6 ft. Detail 7/A6.01 says full height tile wall finish plans only list TL which indicates full height. Please clarify is wall tile full height or 6 ft wainscot?

**OPA RESPONSE:** All tile is to 6'-0"

76. Reference: Drawing S402 Detail 4 & 5 Spec BP-07B, Exhibit A #4

**QUESTION:** Per Exhibit A Scope of Work for BP-07B item #4 has a note regarding the extent of exposed fire resistive coating to reference detail 4 & 5 on S-402. When you go to the drawing nothing is referenced regarding exposed steel (intumescent paint). Can you outline what steel requires intumescent paint? I can't find exposed steel on the job.

**OPA RESPONSE:** Horizontal double C 12x30 butt welded steel shall be coated in Intumenscent paint.

77. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-07B, Exhibit A #10

**QUESTION:** BP-07B scope item #10 states that this subcontractor is responsible for re-application and touch up for ground floor existing fireproofing. Nowhere is it outlined to what extent this touch up is needed. I am not sure how to quantify this. Can you provide quantities or an allowance to be carried in our Base Bid?

**OPA /SKANSKA RESPONSE:** All fireproofing is visible. OPA recommend a site visit to determine quantity. BP-07B is directed to page 1 of Addendum #2, follow up site visit to be held on Monday 1.28.13 8AM-11AM.

78. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-07B, Exhibit A #14

**QUESTION:** BP-07B scope item #14 says to assume 4 mobilizations. Does this mean that the subcontractor will be leaving for an extended amount of time and that he will have to breakdown his set-up each time?

**SKANSKA RESPONSE:** Yes, the intent of BP-07B Item #14 is to assume breakdown and set-up of equipment as needed.

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79. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-07B, Exhibit A #20

**QUESTION:** BP-07B scope item #20 ask to provide temporary protection of floor, wall, etc. Does this mean you want plastic installed on the ground before our operation? Typically we would let the fireproofing fall to the ground and clean it up off the concrete.

**SKANSKA RESPONSE:** BP- 07B shall be responsible for the complete removal of fireproofing from all surfaces not required to receive fireproofing or fireproofing over spray. BP-07B shall be responsible for protection of any equipment or materials in the work area from overspray.

80. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-07B

**QUESTION:** What is the primer on the existing steel?

**OPA RESPONSE:** Unknown-see lead based testing report in front end of specification.

81. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 07 81 00

**QUESTION:** The specifications call for sealer above ceilings. Is the sealer necessary at all concealed locations?

**OPA RESPONSE:** Provide sealer to concealed fireproofing in Elevator Hoistway and above ceilings per section 3.04B in spec. 3.08A provide 1 hour and 2 hour per notes on drawing A-500 and A-501

82. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 11 52 13

**QUESTION:** Substitution Request for Draper Artisan Series E in lieu of Da-Lite Screen Designer Advantage Electrol Screens per specification section 11 52 13, 2.2A.

**OPA RESPONSE:** Draper Inc. Artisan Series E projection screens are an acceptable alternative.

83. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-15B Exhibit A, #6

**QUESTION:** BP-15B Item #6 states that the HVAC Instrumentation and Controls contractor be responsible for IAQ testing and building flushouts. This work is typically performed by the mechanical contractor (BP-15A) Is the intent to have 15B subcontract a contractor to perform these services?

**SKANSKA RESPONSE:** BP-15A is responsible to perform IAQ testing and flushout inclusive of filter changes required. BP-15B HVAC Instrumentation and Controls is required to have all point-to-point verification complete prior to building flushout, verify and log that services have been performed through BAS trending points. BP-15B shall coordinate with BP-15A to complete building flushout prior to substantial completion as identified in the project schedule.

84. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-15B Exhibit A #9

**QUESTION:** BP-15B item #9 states the HVAC Instrumentation and Controls contractor be responsible for furnishing and installing fiber-optics. This work is typically performed by the electrical contractor, Div. 26. Is the intent to have 15B install all fiber required by the BAS back to the nearest data closet?

**SKANSKA RESPONSE:** BP-15B Instrumentation and Controls Subcontractor shall furnish and install all fiber-optics required by BAS.

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85. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-15A,  
BP-15B, BP-16

**QUESTION:** The HVAC Instrumentation and Controls (15B) and Mechanical Contractor (15A) are both responsible for furnishing and installing Variable Frequency Drives. Who owns these Items?

**SKANSKA RESPONSE:** BP-15A shall furnish VFD's. BP-16 shall install VFDs and associated power wiring to VFDs and from VFDs to motors. BP-15B shall furnish and install control wiring for all VFD inputs and outputs specified and coordinate equipment interface to provide a fully functional system.

86. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec Exhibit A  
BP-15B #12

**QUESTION:** Item #12 states the HVAC Instrumentation and Controls contractor (15B) is responsible for furnishing and installing motors. Is this reference to valve and damper actuators only?

**SKANSKA RESPONSE:** Yes, BP-15B is responsible for furnishing and installing valve and damper actuators in coordination with BP-16 and BP-15A.

87. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-12

**QUESTION:** Shade dealers are not able to set up the specified Intelligent Technology Motor System for roller shades. This system requires the manufacturer's engineer to program at significant cost. As these shades are not connected to a low voltage product (projection screens, lighting, etc.), would the design team consider an alternate shade system that is more accessible to BP-12 contractors?

**OPA RESPONSE:** Draper Motorized Flex Shade System and Lutron Sioia QED systems are acceptable for shade systems. All required wiring and controls to provide a complete system are to be included by BP-12. BP-16 electrical contractor is responsible for power wiring to junction boxes as identified on the plans. Any alternative wiring requirements as a result of providing a low voltage shade system is the responsibility of BP-12 for the purpose of bidding.

88. Reference: Drawing T-201 Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** On Drawing T-201 the notes indicate adding EZ-Path sleeves to existing data closets 119 and 408 in the occupied building. Is this part of the base bid?

**OPA RESPONSE:** Work in room 119 is part of base bid, but room 408 is not.

89. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 09 21 16

**QUESTION:** Specification 09 21 16 calls for Level of Finish for surface exposed to view shall conform to Level 5, i.e. Skim Coat. Is it the intent that all exposed to view drywall to be a level 5 finish, walls and ceilings?

**OPA RESPONSE:** Yes

90. Reference: Drawing A514 Detail 2 Spec \_\_\_\_\_

**QUESTION:** Drawing 2/A514 shows plaster on lath attached to framing. Who owns the plaster work?

**OPA/SKANSKA RESPONSE** Bid Package 09 Gypsum Board Assemblies shall be responsible for plaster on lath attached to framing. See B-SKA-01 for extent of work and specification.

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91. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09, Exhibit A

**QUESTION:** BP-09 Scope of Work lists Section 10 21 13 Toilet Partitions as it pertains to this scope of work. In the Trade Specific Scope of Work nothing is mentioned as to what is owned. What do we own? Install only?

**SKANSKA RESPONSE:** Reference BP-09 Exhibit A Item #25 regarding blocking.

92. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09 Exhibit A #7

**QUESTION:** Please clarify BP-09 Scope of Work #7

**SKANSKA RESPONSE:** Item #7 references EPDM "floor protection". Reference to Item #5 has been modified in Addendum #2 as referencing item #6.

93. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09 Exhibit A #35 & #77

**QUESTION:** BP-09 scope items #35 & #77 discuss F&I operable partitions and projection screens. These items show up on the second floor fit-out drawings. Are they to be carried in the supplemental bid pricing #1?

**SKANSKA RESPONSE:** Yes.

94. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09 Exhibit A #86

**QUESTION:** BP-09 scope of work item #86 talks about install owner furnished items identified in contract documents. I couldn't find anything referring to owner furnished items. Please advise.

**SKANSKA RESPONSE:** Reference 00 31 25 Existing Materials Inventory. Note: BP-09 is directed to review Existing Materials included in BP-10 and BP-08A, as defined to be furnished to this Subcontractor for installation. BP-10 and BP-08A are responsible for material handling and delivery to BP-09, or disposal of materials as required.

95. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09B 27 11 00

**QUESTION:** What bid package is responsible for painting the plywood in the data closets?

**SKANSKA RESPONSE:** Bid Package 09B Painting is responsible for painting plywood in data closets.

96. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-02

**QUESTION:** This scope of work calls out the following inclusions in BP-02. We cannot find these items on the drawings: #11- Rigid insulation; #41- stone ballast strips; #51- site bollards; #56- sanitary sewer; #58- transformer pads for new electrical service

**SKANSKA RESPONSE:** #11 rigid insulation- reference A512; #41 stone ballast strips are no longer included in this project; #51 new site bollards are no longer included in this project; #56 sanitary sewer- see drawing P-100; #58 transformer pads for new electrical service- No new pad identified per Riser Diagram on E-300 and Site Electrical Plan on E-003.

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97. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** Div. 21 water based fire suppression systems specs 1.02 Summary, B. General item #6 states fire protection contractor to provide (1) fire standpipe with 2 ½" hose valves on each floor during construction process. Existing stairwells have standpipes and valves connected to fire department connection piping that are in scope to be removed. It seems that a lot of the valves have been disconnected from the standpipe and are inactive. Can we demo the existing standpipes and install new contracted standpipes and valves to meet this requirement?

**OPA RESPONSE:** Installing a new standpipe riser with fire department valves on each level should be acceptable as long as the standpipe riser is operational during construction and in accordance with the CT State Building Code 3311.1. This should be reviewed and/or approved by local AHJ.

98. Reference: Drawing \_\_\_\_\_ S-309 \_\_\_\_\_ Detail \_\_\_\_\_ B \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** Drawing S-309 Detail B please identify the column line where the new concrete fill occurs for access

**OPA RESPONSE:** Along existing column lines X4 and X9 at new beam connections to existing 27 WF 84 girder. Three connection locations each column line.

99. Reference: Drawing \_\_\_\_\_ A515, S302 \_\_\_\_\_ Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** Please clarify the wall adjacent to the curb on the first floor off column line X4, X9 and XB

**OPA RESPONSE:** See details 4.1 / A-515 and B / S-302

100. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** Where does the typical exterior pad occur? Isn't this by the site concrete contractor BP-02C?

**OPA RESPONSE:** There are no new exterior pads.

101. Reference: Drawing \_\_\_\_\_ A-321 \_\_\_\_\_ Detail \_\_\_\_\_ 5 & 6 \_\_\_\_\_ Spec \_\_\_\_\_ BP-04 \_\_\_\_\_

**QUESTION:** What bid package is responsible for the parging of stair walls detail 5 & 6 on A-321?

**SKANSKA RESPONSE:** BP-04 Masonry/Precast is responsible for parging stair walls.

102. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec \_\_\_\_\_ BP-03 \_\_\_\_\_

**QUESTION:** What bid package is responsible for the concrete floor sealer at exposed floors?

**SKANSKA RESPONSE:** BP-03 Concrete is responsible for concrete floor sealer.

103. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec \_\_\_\_\_ BP-04 \_\_\_\_\_

**QUESTION:** What bid package is responsible for patching of walls at Stair D and E?

**SKANSKA RESPONSE:** BP-04 Masonry/Precast is responsible for patching stair walls to maintain 2-hour rating.

104. Reference: Drawing \_\_\_\_\_ AD-101 \_\_\_\_\_ Detail \_\_\_\_\_ 2 \_\_\_\_\_ Spec \_\_\_\_\_ BP-09 \_\_\_\_\_

**QUESTION:** What bid package is responsible for construction of the temporary deck detail 2/AD-101?

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**SKANSKA RESPONSE:** BP-09 is responsible for construction of temporary wood deck.

105. Reference: Drawing AD-101 Detail Spec BP-03  
BP-09C &  
BP-09D

**QUESTION:** What bid package is responsible for the removal of leveling material on AD-101?

**SKANSKA RESPONSE:** BP-03 Concrete is responsible for removal of leveling material down to concrete deck and removal of topping slab shown on AD-101. BP-03 Concrete is also responsible for the protection of existing electrical substation and equipment located in basement under the removal area against accidental material falling and water; not knowing the condition of the deck concrete. BP-09C and BP-09D are responsible for review and acceptance of substrate conditions and any preparation required in accordance with specifications 09 30 13 and 09 66 23 respectively, and Specification 01 35 16 Subsection 3.5.

106. Reference: Drawing AD-102 Detail Spec BP-09

**QUESTION:** What bid package is responsible for construction of the temporary wood deck on AD-102?

**SKANSKA RESPONSE:** AD-102 shows an existing temporary wood deck to be demolished, not a new deck to be constructed.

107. Reference: Drawing AD-104 Detail Spec BP-05

**QUESTION:** What bid package is responsible for the grinding of the steel struts on AD-104?

**SKANSKA RESPONSE:** BP-05 is responsible for grinding steel struts.

108. Reference: Drawing Detail Spec BP-02C  
03 30 00

**QUESTION:** Under spec section 03 30 00 1.01 B-1 planters are by BP-02C. Please confirm

**SKANSKA RESPONSE:** Correct, BP-02C is responsible for planter walls identified on the landscape drawings.

109. Reference: Drawing Detail Spec

**QUESTION:** Under spec section 03 30 00 2.01G exposed concrete floors, is this new concrete only?

**OPA RESPONSE:** Yes

110. Reference: Drawing Detail Spec

**QUESTION:** Under sections 07 13 00, 07 21 00, 07 90 00 and 07 95 00 as far as it pertains to BP-03 Concrete does the waterproofing only occur at the loading dock and column line XA1? Please confirm extent and locations.

**OPA RESPONSE:** Yes and return to XB on both ends at X3.2 and X10. Waterproof all patches in foundations below grade see AD-100.

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111. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-03

**QUESTION:** Under BP-03 scope of work item #58 please confirm safety railings by BP-05.

**SKANSKA RESPONSE:** BP-03 Concrete shall include scope of work item #58 safety railings as defined in Exhibit A.

112. Reference: Drawing A511, A512 Detail \_\_\_\_\_ Spec BP-03

**QUESTION:** Under BP-03 scope of work items #64-66 please clarify it is not shown on drawings. Existing waterproofing noted at existing foundation walls on CDE / A-512, DCB / A-511, and F / A-512

**SKANSKA RESPONSE:** Reference RFI #110 and BP-03 Scope of Work Items #64-66.

113. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec Various

**QUESTION:** Under BP-03 scope of work item #74 are we to provide the assembly for the slabs only? Wall material for masonry and drywall by others. Please confirm.

**SKANSKA RESPONSE:** Correct, BP-03 is responsible for expansion assemblies within concrete, per Exhibit A Item #74. This includes both floor-to-wall and floor-to-floor joint systems. BP-04, BP-08 and BP-09 are each responsible for expansion assemblies abutting their systems.

114. Reference: Drawing A512 Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** Under BP-03 scope of work item #76 where does this occur? Not shown on drawings.

**SKANSKA RESPONSE:** Reference drawing A512.

115. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 00 31 25

**QUESTION:** What are the detailed material specifications (ie. Brand, type, etc) of the items listed on page 43 of the inventory sheet for BP-07. This information is relevant to our material take-off on whether or not we can utilize these items in accordance to the roofing specifications requirements.

**SKANSKA RESPONSE:** Reference Addendum #1, 00 31 25 Material Inventory Narrative and Inventory List Update for additional information on materials.

116. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 21 20 00

**QUESTION:** Spec Section 21 20 00, 1.02 B 14 states we are to provide 18" draft stops at open stairways with closely spaced sprinklers.

- a. Please confirm that the stairways do not require closely spaced sprinklers as they are not shown on the FP drawings.
- b. If closeley spaced sprinklers are required, please confirm the FP contractor is not responsible for the draft stops.

**OPA RESPONSE:** Stairs do not have closely spaced sprinklers. Delete Paragraph 1.02 B 14

117. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 21 10 00

**QUESTION:** Please confirm painting is not part of the Fire Protection scope of work (21 10 00- 2.03)

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**SKANSKA RESPONSE:** BP-09B is responsible for field applied finishes. BP-13 Fire Protection is responsible for touch up of damage to factory finishes or touch up of damage to field applied finished caused by Sprinkler Subcontractor.

118. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** Please confirm that a detection and power wiring for the preaction sprinkler system is not included in the Fire Protection scope of work.

**SKANSKA RESPONSE:** Reference RFI #16.

119. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** Please confirm that 6' long Flexhead assemblies are to be used for all pendant sprinklers

**K/R RESPONSE:** 6' flexhead assemblies shall be utilized throughout, when not practical, sch 40, piping and fittings shall be utilized.

120. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** Are the future data center areas to be protected by preaction sprinkler systems. There is a note on FP-100 at the Art Gallery with this wording.

**K/R RESPONSE:** Future data areas will currently be protected by wet sprinklers. These areas may be renovated to be Data Areas in the future at which time the wet sprinkler system may become Preaction.

121. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** Are the cabinets noted on the FP drawings to be fire rated if located in a fire rated wall?

**K/R RESPONSE:** All cabinets must be the rated version when installed in a rated wall.

122. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-15A BP-15B, BP-16

**QUESTION:** VFD's are included in BP-15A item 70 and BP-15B item #11. Please clarify.

**SKANSKA RESPONSE:** BP-15A shall furnish VFD's. BP-16 shall install VFDs and associated power wiring to VFDs and from VFDs to motors. BP-15B shall furnish and install control wiring for all VFD inputs and outputs specified and coordinate equipment interface to provide a fully functional system. BP-16 shall furnish and install power wiring to VFDs and from VFDs to motors.

123. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec 07 13 00, 2.03

**QUESTION:** Substitution Request BASF Wall Systems Enershield System. See attached product data.

**OPA RESPONSE:** Accepted

124. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-09C Exhibit A #13

**QUESTION:** Sloping floors to drains. Does this mean all the bath rooms will require mudset?

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**SKANSKA RESPONSE:** No, Reference Specification 09 30 13 Subsection 3.1 and 3.2, and Specification 01 35 16 Subsection 3.5. BP-09C will be required to inspect areas to receive tile, and grind or fill substrates as required to comply with acceptable variations. See Addendum #2 General Item #1A for follow-up site review scheduled for Monday 1.28.13.

125. Reference: Drawing     A-900A     Detail                      Spec                     

**QUESTION:** Confirming that rooms that have names and numbers but no finishes listed don't get flooring? How about base? Example #006 "Future Data Center"

**OPA RESPONSE:** Any room that has a floor finish has a base any room with no floor finish indicated has no base. Future Data Center has no base.

126. Reference: Drawing     A-900A, A601     Detail     8/A601     Spec                     

**QUESTION:** Example Rm #005 Men's Room shows TL-4 as floor tile. Plan #A-601 Detail 8/A601 shows TL-6, TL-7, & TL-8 in floor tile pattern. TL-4 shown as wall tile. Which tile is supposed to be used on the floor?

**OPA RESPONSE:** Note will be added to drawings A-901B, 902B, 903B & 904B: See detail 8/A-601 for full tile layout and pattern.

127. Reference: Drawing                      Detail                      Spec     09 65 43    

**QUESTION:** Spec Section 09 65 43 Linoleum Flooring. What type of welding rod is to be supplied? Solid or multicolor?

**OPA RESPONSE:** Shall be selected by Architect in submittal phase.

128. Reference: Drawing     A-900A     Detail                      Spec                     

**QUESTION:** Corridor #021- Note to remove and replace floor mat FLM1. Outline of mat not shown. What size is needed there?

**OPA RESPONSE:** See A-100 aproximitaly 4' x 5' VIF.

129. Reference: Drawing     AD105     Detail                      Spec                     

**QUESTION:** What is the existing construction of the roof to be demolished:

- a. At the 4<sup>th</sup> floor roof?
- b. At the penthouse roof?

**OPA RESPONSE:** fully adhered 45 mil epdm with rigid insulation on topping slab.

130. Reference: Drawing     A515     Detail     4, 4.1, 4.2     Spec                     

**QUESTION:** Details 4, 4.1 and 4.2 on drawing A515 show pavers. Please indicate the extent of the roof areas to be covered with pavers.

**OPA RESPONSE:** See L-101 and A-101 area XA1 / XB – between X3.2/X4 and X9/ X10

131. Reference: Drawing     A-100     Detail                      Spec                     

**QUESTION:** The drawing indicates that millwork MW12 as per 1/A659 is required for Room 011 Stacks/ Workroom. Is this Millwork MW12 to be part of the base bid or is it for reference only?



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**QUESTION:** Suspension system for metal ceilings calls for a platinum baked enamel finish. Is this correct for both types of metal ceilings? This is also the same finish called for Acoustical Ceilings ACT-1.

**OPA RESPONSE:** Yes

139. Reference: Drawing \_\_\_\_\_ Detail 1/A205 Spec \_\_\_\_\_

**QUESTION:** Detail calls for a flat metal infill panel between fixtures. Please clarify. Is this a non-perforated panel to match MTL1?

**OPA RESPONSE:** Yes

140. Reference: Drawing A200-A204.1 Detail \_\_\_\_\_ Spec \_\_\_\_\_

**QUESTION:** The General RCP Notes #6 calls for access panels. Are these part of the acoustical/metal ceiling scope of work? If so please provide panel details and locations.

**OPA/SKANSKA RESPONSE:** RCP Note 6 is for non-accessible ceiling systems. Reference BP-09 Exhibit A Items #68 & 69.

141. Reference: Drawing \_\_\_\_\_ Detail 10/A205 Spec \_\_\_\_\_

**QUESTION:** This detail calls for a "joint" between the soffit and the wall angle. Please clarify.

**OPA RESPONSE:** Delete joint note and joint space on detail 9 & 10 on A-205.

142. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-08

**QUESTION:** Are fire rated doors part of bid package 08?

**SKANSKA RESPONSE:** Reference BP-08 Exhibit A Scope of Work Item #12 as modified in Addendum #2.

143. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec Various

**QUESTION:** Do we have to carry professional liability insurance for engineering if the PE (Professional Engineer) we hired already has professional liability insurance?

**SKANSKA RESPONSE:** No, provided Professional Engineer satisfies the requirements of Subcontract Exhibits G and Y.

144. Reference: Drawing \_\_\_\_\_ Detail \_\_\_\_\_ Spec BP-08

**QUESTION:** We are bidding BP-08. In the Door Schedule Doors 101.1A, 101.1B, 101.2, 101.3, 101.4, 101.5, 101.6, and 101.7, are marked as existing. What hardware do we have to replace or what additional hardware we have to supply?

**OPA RESPONSE:** See hardware schedule in spec. Provide what is indicated.

145. Reference: Drawing A102 Detail \_\_\_\_\_ Spec Base Bid

**QUESTION:** BP-06 Base Bid 2<sup>nd</sup> Floor- We will include only the following items on the 2<sup>nd</sup> floor in our base bid: solid surface vanity @ Rm#211 & 212, wood handrail/treads/envelope cover @ spiral staircase from 2<sup>nd</sup> to 3<sup>rd</sup> floors, wood handrail from 2<sup>nd</sup> to 4<sup>th</sup> floors @ Stair B and plam wall panels with blackened steel base @ Stair B 2<sup>nd</sup> floor. If this is not correct clarify the base bid scope for the 2<sup>nd</sup> floor.

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**SKANSKA RESPONSE:** All work between column lines XH-XK are included in the Base Bid, as shown on plans, in addition to the areas identified in the Notes section of A-102, A-103 and A-104.

146. Reference: Drawing     A103     Detail                      Spec     Base Bid    

**QUESTION:** BP-06 Base Bid 3<sup>rd</sup> Floor- We will include only the following items on the 3<sup>rd</sup> floor in our base bid: solid surface vanity @ Rm #317.1, & 318.1 & Type C/A701 wood handrail @ Rm #314. If this is not correct clarify the base bid scope for the 3<sup>rd</sup> floor.

**SKANSKA RESPONSE:** All work between column lines XH-XK are included in the Base Bid, as shown on plans, in addition to the areas identified in the Notes section of A-102, A-103 and A-104.

147. Reference: Drawing     A104     Detail                      Spec     Base Bid    

**QUESTION:** BP-06 Base Bid 4<sup>th</sup> Floor- We will include only the following items on the 4<sup>th</sup> Floor in our base bid: Solid Surface vanity @ Rm # 431.1 & 432.1. If this is not correct clarify the base bid scope for the 4<sup>th</sup> Floor.

**SKANSKA RESPONSE:** All work between column lines XH-XK are included in the Base Bid, as shown on plans, in addition to the areas identified in the Notes section of A-102, A-103 and A-104.

148. Reference: Drawing     A300     Detail     4     Spec                     

**QUESTION:** Column panels 4/A-300 Clarify if wood reveals are required

**OPA RESPONSE:** Yes, Reveal is a horizontal space between panels. Gyp bd at the reveal is painted black. Add note to detail 4/A-300: Reduce reveal width to 3/16" and paint visible gyp. board surface at reveal flat black. Reveal at ceiling shall remain 3/8".

149. Reference: Drawing     A302     Detail     7     Spec                     

**QUESTION:** Window "A,B,C,D" 7/A-302- ¾" birch plywood is noted. Is the face veneer Birch or Cherry? If the face veneer is Cherry can the core material be particle board? Also clarify the finish transparent/stained or opaque/painted?

**OPA RESPONSE:** Cherry on baltic plywood, no partical board, transparent finish. Note will be added to A-300 and A-302: All wood veneer and solid wood shall be HDWD1

150. Reference: Drawing     A302     Detail     5&6     Spec                     

**QUESTION:** Window "A" 5,6/A-302- Will the area directly above and below the stained glass window require ¾" birch plywood panels similar to window Types B, C, & D? Will the plywood clad the tubing for the full 24'5" height? Clarify the extent of the plywood cladding and exactly where it occurs.

**OPA RESPONSE:** Plywood cladding on all steel no panel above stained glass at window "A".

151. Reference: Drawing     A302     Detail     5 & 6     Spec                     

**QUESTION:** Window "A" RM #208- Reading 5, 6/A-302- Should this item be included in the Base Bid or Supplemental Bid #1?

**OPA RESPONSE:** Base Bid

**SCSU: BULEY LIBRARY RENOVATION PHASE 2**

**ADDENDUM #2: BIDDING RFI LOG**

January 22<sup>nd</sup>, 2013

152. Reference: Drawing A302 Detail 2, 3, 4 Spec \_\_\_\_\_

**QUESTION:** Window "B, C, &D" 2, 3, 4/A-302- Will the birch plywood enclosure be arched to follow the arched top of the stained glass window or will it follow the straight horizontal tube above the window? Clarify if the shaded arched triangle shaped area just above the stained glass window is part of the window or birch plywood?

**OPA RESPONSE:** Plywood is arched to follow window profile. Shaded area is enclosure material. Blocking at arch to mount enclosure return at window will be required.

153. Reference: Drawing A668 Detail \_\_\_\_\_ Spec 06 40 23

**QUESTION:** Grilles @ MW30, 31, 32, 33, 34, 35, 38 6/A-668- Section 6/A-668 details a stainless steel perforated grille 1/32" thick. Spec section 06 40 23 – 2.4E notes the grilles at radiators to be Architectural Grille model AG10 w/ "A" frame- clear anodized aluminum. Clarify which spec should be followed.

**OPA RESPONSE:** Provide SS perforated grilles at casework.

154. Reference: Drawing A701 Detail A9 & A11C Spec \_\_\_\_\_

**QUESTION:** 2x4 hdwd envelope cover & vertical railings. A9 & A11C/A-701- Will the fasteners for the 2x4's remain visible or do we need to cover with wood plugs?

**OPA RESPONSE:** Provide wood plugs.

155. Reference: Drawing A701 Detail A9 Spec BP-06

**QUESTION:** Spiral staircase top platform A9/A-701- Will the square top landing require hardwood like the treads?

**OPA RESPONSE:** Yes. Notes will be added to A-701: All wood veneer and solid wood shall be HDWD1. Except, All hard wood Handrails at stair A & B shall be HDWD2. Note- BP-06 is responsible for all hardwood treads and landings.

156. Reference: Drawing A700 Detail A8 Spec BP-06

**QUESTION:** Blackened steel base A8/A-700- Should the blackened steel base be included with millwork scope?

**SKANSKA RESPONSE:** Yes, BP-06 is responsible for furnishing and installing the blackened steel base on 1/4" plywood substrate.

157. Reference: Drawing \_\_\_\_\_ Detail A1/A700, A1/A701 Spec \_\_\_\_\_

**QUESTION:** Access panel @ Stair A&B A1/A-700 & A1/A-701- "Access Panel" is noted. Clarify detail.

**OPA RESPONSE:** Removable section of wall material with concealed attachment to provide person size access to cavity.

158. Reference: Drawing A659, A820 Detail VARIOUS Spec \_\_\_\_\_

**QUESTION:** MW10 7,8,9/A-659 & 11/A-820- Elev. 9/A659 details an SLDS1 knee wall cap. Sect. 11/A-820 details a painted poplar wood cap. Clarify the material for the knee wall cap.

**OPA RESPONSE:** Detail 11/A-820 shall be changed to 1" solid surface cap

SCSU: BULEY LIBRARY RENOVATION PHASE 2

ADDENDUM #2: BIDDING RFI LOG

January 22<sup>nd</sup>, 2013

159. Reference: Drawing \_\_\_\_\_ Detail 1/A603 Spec 10 11 23

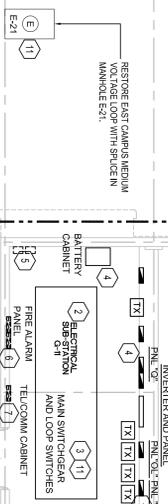
**QUESTION:** 1/A603 Lobby East Wall Elevation. Corridor walls note "Plam 1 TYP. and BB1 Tackable Panel TYP". BP-06 Exhibit A does not list a specification section for the Tackable Wall Panels, but BP-06 Scope item #15 states "The Subcontractor is responsible for furnishing and installing tackable and plastic wall panels. Scope includes all required 3/4" x 3/4" aluminum trim angles and blocking as required for a complete installation. BP-09 will be responsible for furnishing and installing required 1/2" plywood attached directly to metal stud framing. Refer to details 2, 3, 4, and 5 on A-603 for examples of this scope of work."

Specification Section 10 11 23 Tackable Wall Surface, the Tackable Wall Panels are noted as (TKBS) Tackable Wall surfacing. Is the BB1 Tackable Wall Panel the same as the TKBS Tackable Wall Surfacing and is it to be supplied and installed by BP-06? BP-09 lists section 10 11 23 tackable wall surfaces in the Scope of Work. Please confirm if 10 11 23 Tackable Wall Surfaces is to be supplied and installed by BP-06 or by BP-09?

**OPA/SKANSKA RESPONSE:** BB1 is TKBS and will be changed on A-603. BP-06 is responsible for Exhibit A Scope of Work Item #15 in its entirety, inclusive of painted wood trim shown on reference details. BP-06 Subcontractor is responsible for coordinating installation details with BP-09 and BP-08A for a complete installation. Reference to Specification Section 10 11 23 is added to BP-06 Specification Sections via this Addendum #2.

BP-09 is responsible for furnishing and installing 1/2" plywood attached directly to metal stud framing, and coordinating the installation of 1/2" plywood wall panel substrate with BP-06 wall panel assembly details and BP-08A door frame installation as required.

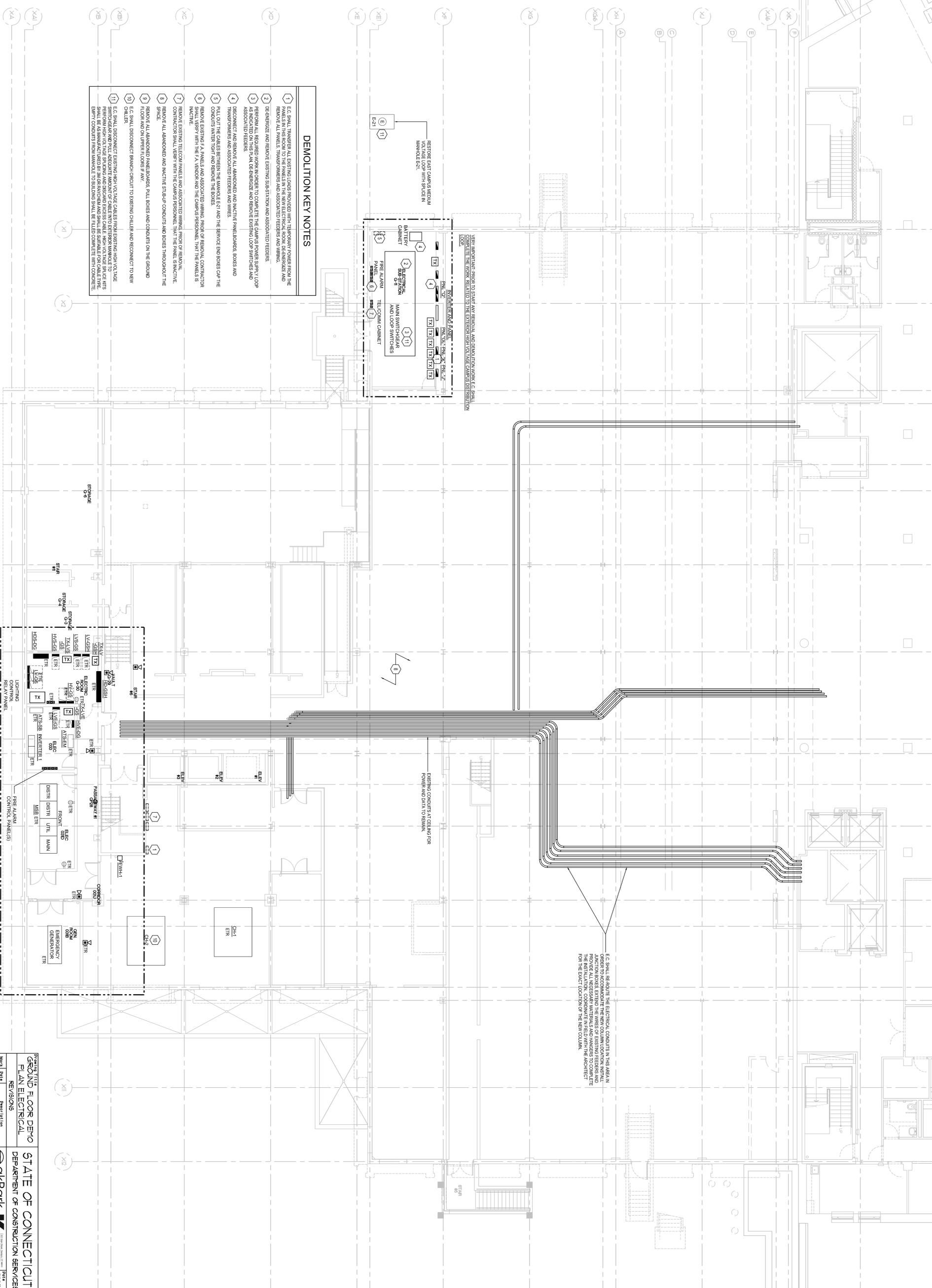
- ### DEMOLITION KEY NOTES
- 1 E.C. SHALL TRANSFER ALL EXISTING LOADS PROVIDED WITH TEMPORARY POWER FROM THE PANELS IN THIS ROOM TO THE PANELS IN THE NEW ELECTRICAL ROOM, DEENERGIZE AND REMOVE ALL PANELS, TRANSFORMERS AND ASSOCIATED FEEDERS AND WIRING.
  - 2 DEENERGIZE AND REMOVE EXISTING SUB-STATION AND ASSOCIATED FEEDERS.
  - 3 PERFORM ALL REQUIRED WORK IN ORDER TO COMPLETE THE CAMPUS POWER SUPPLY LOOP AS INDICATED ON THIS PLAN, DEENERGIZE AND REMOVE EXISTING LOOP SWITCHES AND ASSOCIATED FEEDERS.
  - 4 DISCONNECT AND REMOVE ALL ABANDONED AND INACTIVE PANELBOARDS, BOXES AND TRANSFORMERS AND ASSOCIATED FEEDERS AND WIRES.
  - 5 PULL OUT THE CABLES BETWEEN THE MANHOLE E21 AND THE SERVICE END BOXES CAP THE CONDUITS WATER TIGHT AND REMOVE THE BOXES.
  - 6 REMOVE EXISTING F.A. PANELS AND ASSOCIATED WIRING. PRIOR OF REMOVAL, CONTRACTOR SHALL VERIFY WITH THE F.A. VENDOR AND THE CAMPUS PERSONNEL THAT THE PANELS IS INACTIVE.
  - 7 REMOVE EXISTING TELECOM PANELS AND ASSOCIATED WIRING. PRIOR OF REMOVAL, CONTRACTOR SHALL VERIFY WITH THE CAMPUS PERSONNEL THAT THE PANELS IS INACTIVE.
  - 8 REMOVE ALL ABANDONED AND INACTIVE STUB-UP CONDUITS AND BOXES THROUGHOUT THE FLOOR AND ON UPPER FLOORS IF ANY.
  - 9 REMOVE ALL ABANDONED PANELBOARDS, FULL BOXES AND CONDUITS ON THE GROUND FLOOR AND ON UPPER FLOORS IF ANY.
  - 10 E.C. SHALL DISCONNECT BRANCH CIRCUIT TO EXISTING CHILLER AND RECONNECT TO NEW CHILLER.
  - 11 E.C. SHALL DISCONNECT EXISTING HIGH VOLTAGE CABLES FROM EXISTING HIGH VOLTAGE SWITCHGEAR AND PULL ADEQUATE AMOUNT OF CABLE INTO EXISTING HIGH VOLTAGE SWITCHGEAR FOR THE REMAINING AND RECONNECT TO THE NEW ELECTRICAL ROOM. THE CABLES SHALL BE LEFT COMPLETE WITH CONDUIT. EMPTY CONDUITS FROM MANHOLE TO BUILDING SHALL BE FILLED COMPLETE WITH CONCRETE.



VERIFY EXISTING PANELS TO BE REMOVED AND DEMOLITION WORK. E.C. SHALL DEMOLISH ALL EXISTING PANELS AND ASSOCIATED FEEDERS AND WIRING. E.C. SHALL REMOVE ALL EXISTING CONDUITS AND BOXES THROUGHOUT THE FLOOR AND ON UPPER FLOORS IF ANY.

EXISTING CONDUITS AT CEILING FOR POWER AND DATA TO REMAIN.

E.C. SHALL BE SURE THE ELECTRICAL CONDUITS IN THIS AREA IN ORDER TO RECOMMEND THE NEW COLUMN LOCATION. INSTALL JUNCTION BOXES, EXTEND THE WIRES OF EXISTING FEEDERS AND NEW WIRING TO THE NEW COLUMN LOCATION. THE NEW COLUMN SHALL BE ALIGNED WITH THE EXISTING COLUMN. THE NEW COLUMN SHALL BE INSTALLED WITHIN THE EXISTING COLUMN FOR THE EXACT LOCATION OF THE NEW COLUMN.



PROJECT TITLE  
**GROUND FLOOR DEMO  
 PLAN ELECTRICAL**

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF CONNECTICUT  
 DEPARTMENT OF CONSTRUCTION SERVICES

dkpork  
 Architects, Inc.

Project: RILEY LIBRARY  
 Location: THE UNIVERSITY  
 NEW HAVEN, CONNECTICUT

Scale: 1/8" = 1'-0"

Project No.: 1002

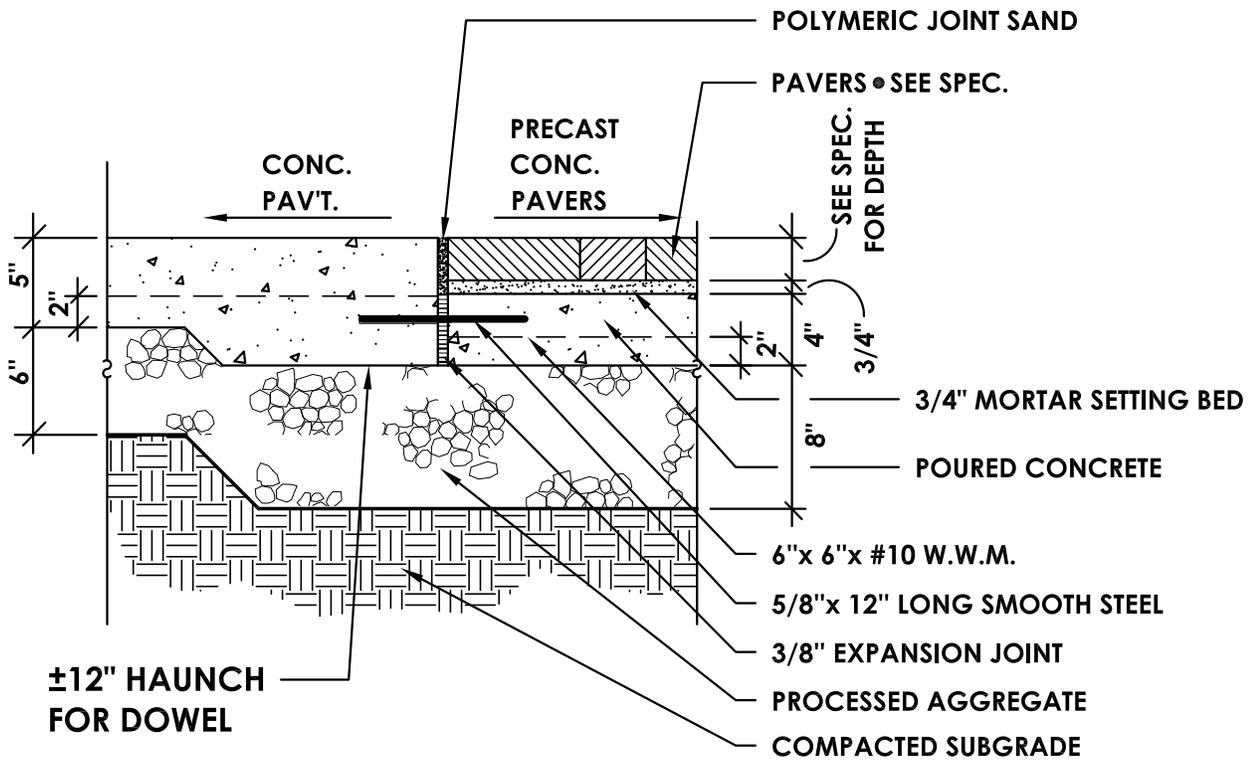
Sheet No.: ED-100

CDP No.:



## SCSU Buley Library Sketch Log

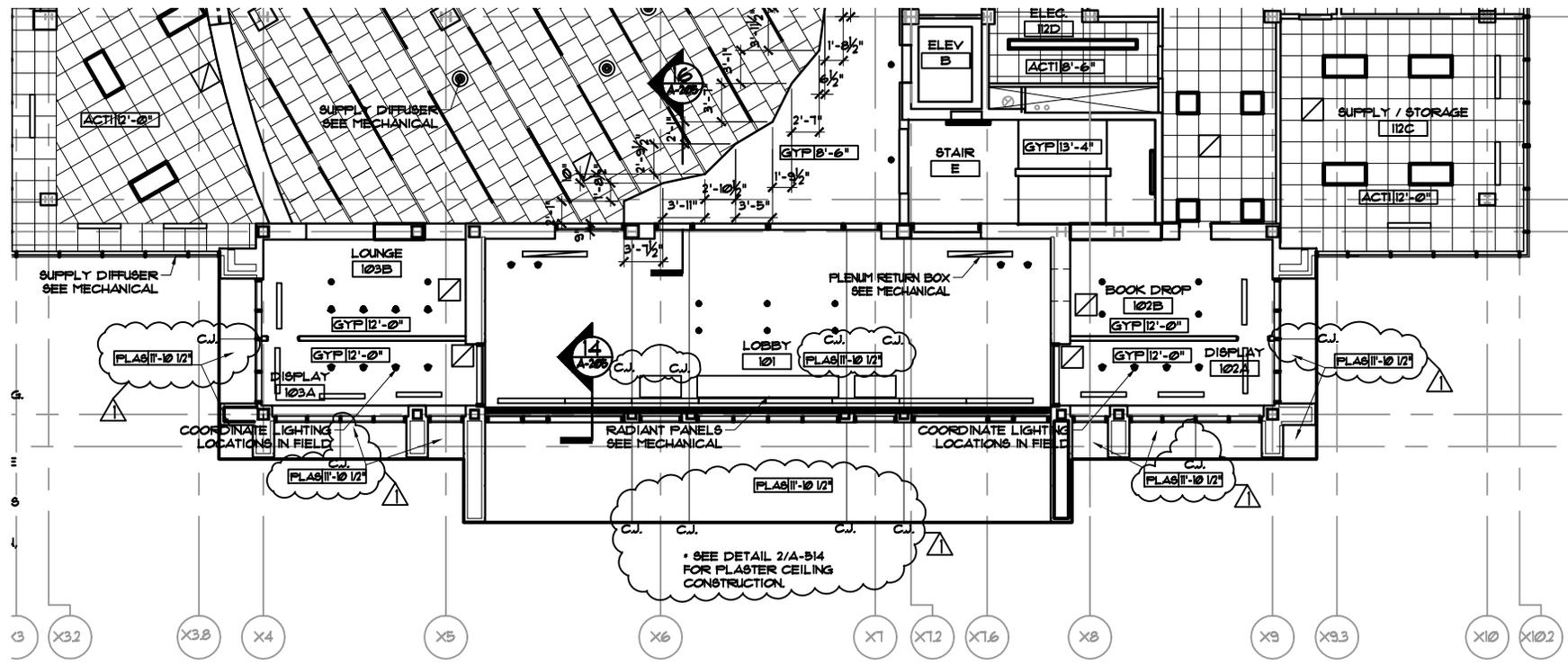
SK #	Dist.	Title	Date
B-SKL-01	Roming	Added Site Plan Detail	01/10/13
B-SKA-01	OPA	Plaster Ceiling	01/21/13
B-SKA-02	OPA	Light Fixture	01/21/13
B-SKP-01	KR	Sump Pump Clarifications	01/17/13
B-SKP-02	KR	Sump Pump Clarifications	01/17/13
B-SKP-03	KR	Fixture Schedule Revision	01/17/13
B-SKP-004	KR	Water Heater Schedule Revision	01/17/13
B-SKM-01	KR	AHU-5 Condensate Piping	01/17/13
B-SKM-02	KR	AHU-1 Condensate Piping	01/17/13
B-SKM-03	KR	AHU-3 Condensate Piping	01/17/13
B-SKM-04	KR	Cooling Tower Overflow Drain	01/17/13
B-SKM-05	KR	Cooling Tower Schedule Revisions	01/17/13
B-SKE-01	KR	added GFI outlet near Reloc. Condensing Units basement	01/17/13
B-SKE-02	KR	Added Circuit to Room 214	01/17/13
B-SKE-03	KR	Exist. Distribution Panel HD-4NEH-2 Sect. Revisions	01/17/13
B-SKE-04	KR	Added Circuit to Cooling Tower 2	01/17/13
B-SKE-05	KR	Lighting Fixture Schedule Revisions	01/18/13
B-SKE-06	KR	Lighting Fixture Schedule Revisions	01/18/13
B-SKE-07	KR	Demolition/Installation of Oil Filled Transformer	01/18/13
B-SKE-08	KR	Demolition/Installation of Oil Filled Transformer	01/18/13



9  
L-106

**CONCRETE PAVEMENT & PRECAST PAVER CONNECTION**

NOT TO SCALE



**1 FIRST FLOOR REFLECTED CEILING PLAN**  
 BKA-01 1/16"=1'-0"



ADD TO PART 2 OF SECTION 09 21 16

**2.5 METAL LATH AND PLASTER SYSTEM**

- A. 3/4" thick, 3 Coat Metal Lath and Plaster System on suspended metal carrying channels meeting minimum recommended requirements of USG 3 coat metal lath and plaster system. All materials for system shall be by one manufacturer.
- B. Metal Lath: Galvanized, small diamond mesh, self furring, metal lath for ceilings 3.4lb. / sq. yd.
- C. Scratch and Brown Coat Plasters: USG Structo-Base Gypsum Plaster.
- D. Finish Coat Plaster: USG Structo-Gauge Gauging Plaster.
- E. Accessories: USG Accessories as detailed in drawings and to provide a complete 3 coat metal lath and plaster system.

PLASTER CEILING  
**BULEY LIBRARY RENOVATIONS**  
 SOUTHERN CONNECTICUT STATE UNIVERSITY  
 NEW HAVEN, CONNECTICUT  
 Project No. BI-RS-225B

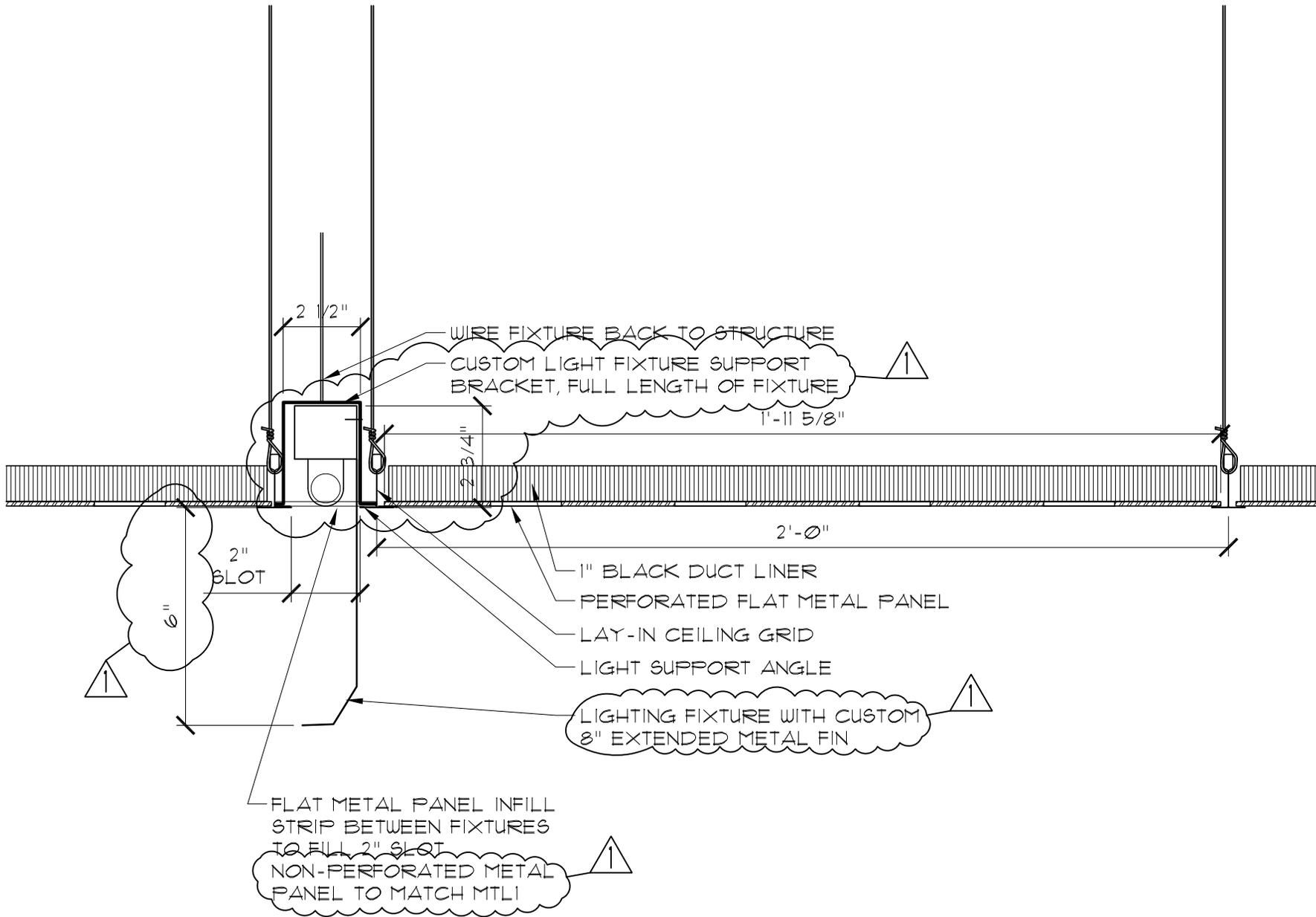
JANUARY 21, 2013

**B-SKA-02**

DRAWING REF. A-205

**BULEY LIBRARY RENOVATIONS**  
SOUTHERN CONNECTICUT STATE UNIVERSITY  
NEW HAVEN, CONNECTICUT  
Project No. BI-RS-225B

LIGHT FIXTURE



1 TYP. CEILING PERFORATED METAL SECTION DETAIL (TYPE MTL 1)

A-205 3" = 1'-0"

**akPark**  
Architects LLC  
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MICROFORMS

Ø20B

FPHB

REPLACE EXISTING EXTERIOR FREEZE PROOF HOSE BIBBS. PATCH & REPAIR TO MATCH EXISTING EXTERIOR FINISH. CONNECT TO EXISTING COLD WATER PIPING. VERIFY LOCATION & ROUTING IN FIELD.

SP-1

EFD

STAIR  
099H

1-1/2" FM DROP & SPILL TO GRADE

1-1/2" FORCE MAIN (FM) RISE. PROVIDE UNION FOR PUMP REMOVAL.

SUMP PUMP IN A 18"X18"X18" DEEP POURED IN PLACE CONCRETE PIT WITH MOLDED FIBERGLASS GRATING (STRONGWELL DURAGRATE). 1-1/2"X1-1/2"X1" SQUARE MESH GRATING. PROVIDE WITH STRONGWELL CURB ANGLE AND STAINLESS STEEL HARDWARE. SUMP PIT TO BE COORDINATED WITH ARCHITECT AND STRUCTURAL ENGINEER.

DOM

EFD

EXISTING ELECTRONIC TRAP PRIMER TO REMAIN. UNIT IS ELECTRONICALLY CONNECTED, BUT NEEDS CW RECONNECTION.



**akPark**  
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E-mail: krce@kohleronan.com

KOHLER RONAN, LLC  
CONSULTING ENGINEERS

**\*\*SUMP PUMP CLARIFICATIONS\*\***

**BULEY LIBRARY RENOVATIONS**  
SOUTHERN CONNECTICUT STATE UNIVERSITY  
NEW HAVEN, CONNECTICUT

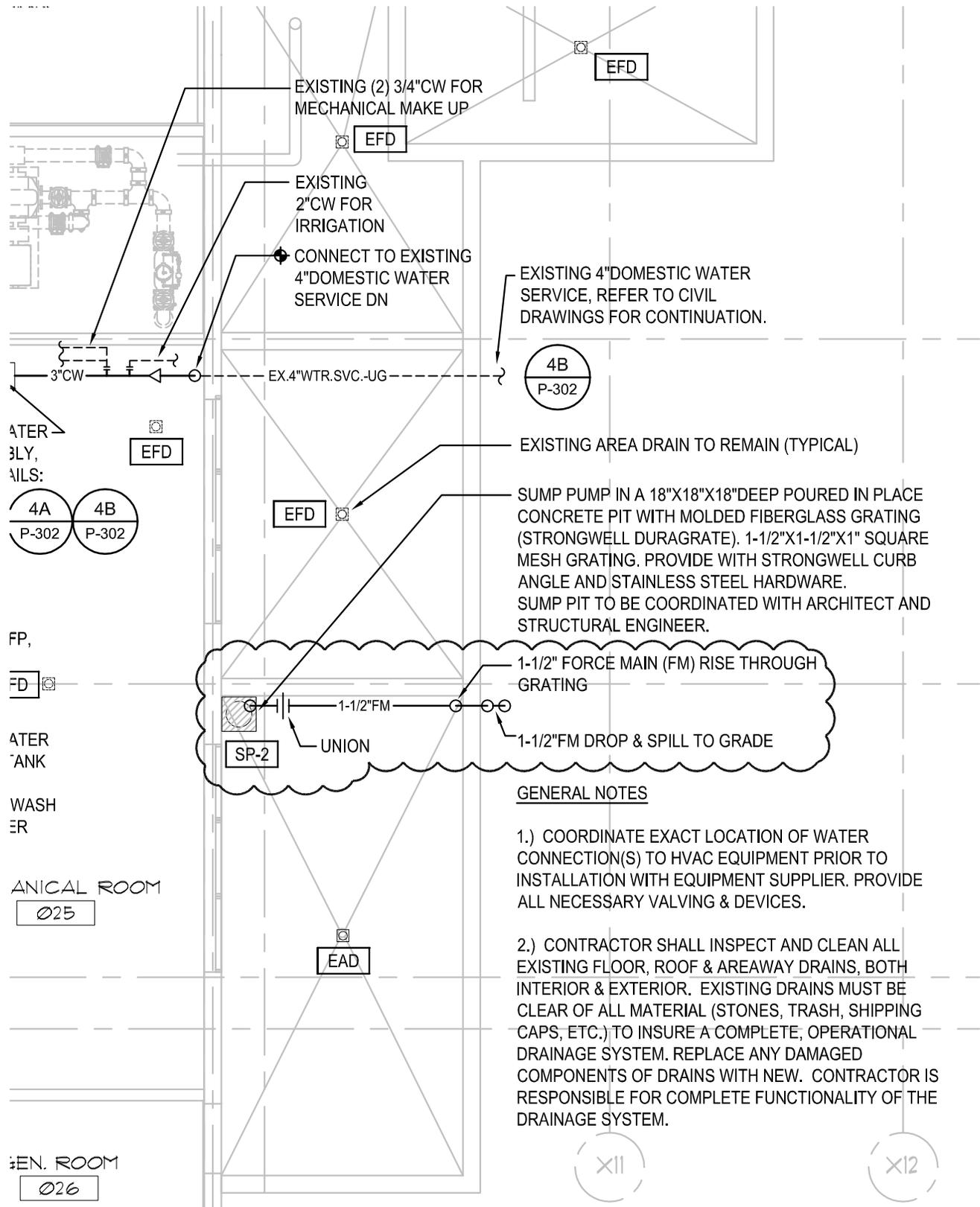
Project No. BI-RS-225B

**M.R. ROMING**  
**ASSOCIATES** P.C.  
Landscape Architects • Land Planners  
West Hartford Connecticut  
(860) 233-1265

JANUARY 16, 2013

**B-SKP-01**

DRAWING REF: P-100



## PLUMBING FIXTURE SCHEDULE

FIXTURE TAG	FIXTURE TYPE	FIXTURE MANUFACTURER MODEL, MODEL NO.	MATERIAL	DESCRIPTION	MINIMUM BRANCH SIZES						REMARKS	
					SUPPLY SIZE	TRAP SIZE	WASTE/SANITARY	VENT	COLD WATER	HOT WATER		
EWC 	DRINKING FOUNTAIN	HALSEY TAYLOR HAC8FS-WF-Q ADA SERIES		<p>(UNIT IS COMPLIANT WHEN INSTALLED IN AN ALCOVE AND IS ALSO COMPLIANT WHEN MOUNTED ON AN EXPOSED WALL WITH A WING WALL THAT IS LOCATED ON THE LEFT SIDE. PROVIDE APRON UNDER THE UNIT WHERE APPLICABLE CONDITIONS APPLY. REFER TO ARCHITECTURAL DRAWINGS.)</p> <p>GENERAL -ADA COMPLIANT, STAINLESS STEEL BASIN WITH REMOVABLE DRAIN STRAINER. BUBBLER SHALL BE TWO-STREAM, MOUND BUILDING TYPE. SEPARATE VALVE AND AUTOMATIC STREAM REGULATOR SHALL BE MOUNTED WITHIN CABINET. REFRIGERATION SYSTEM SHALL EMPLOY HIGH EFFICIENCY, POSITIVE START COMPRESSOR USING R134A, NON-PRESSURIZED TANK WITH TOTALLY ENCAPSULATED INSULATION AND BE CONTROLLED BY POSITIVE SENSING THERMOSTAT. SHALL HAVE FRONT AND SIDE PUSH-BAR WATER CONTROLS WITH RAISED LETTERING FOR THE VISUALLY IMPAIRED. COOLER SHALL COMPLY WITH ANSI 117.1 AND ADA FOR VISUAL AND MOTION DISABILITIES. THE MANUFACTURER SHALL CERTIFY THE UNIT TO MEET THE REQUIREMENTS OF NSF/ANSI 61 &amp; 372 AND THE SAFE DRINKING WATER ACT. UNIT COMPLES WITH ARI STANDARD 1010.</p> <p>ELECTRICAL RATING: 370WATTS MINIMUM COOLING CAPACITY: 8.0 GPH (80 DEGREES ENTERING TO 50 DEGREES DRINKING AT 90 DEGREES AMBIENT)</p>	3/8"	1-1/4"	1-1/2"	1/2"	1/2"	--		
MSK	MOP RECEPTOR	FIAT TSB-100 SERIES  ACCESSORIES: HOSE FIAT 832-AA, MOP HANGER FIAT 889CC BUMPER GUARD FIAT 1239-BB STRAINER FIAT 1453-BB	TERRAZZO	24" X 24" X 12" DEEP, BASIN DRAIN FITTING & STRAINER, EDGE GUARD. FAUCET: WALL MOUNTED WITH BUCKET HOOK, VACUUM BREAKER, WALL BRACKET & HOSE THREAD END, HOSE, WALL BRACKET & MOP HANGER.	1/2"	3"	3"	2"	3/4"	3/4"		
HB	HOSE BIBB	NIBCO #46-U WITH WATTS NF8 SERIES W/ WATTS NF8 VACUUM BREAKER  MIFAB MHY-9141 SERIES W/ VACUUM BREAKER STANDARD  WOODFORD MODEL 24 W/ VACUUM BREAKER STANDARD		UNFINISHED AREAS, BRONZE BODY, REMOVABLE VALVE SEAT & STEM ASSEMBLY, THREADED END.	--	--	--	--	3/4"	--		



\*\*FIXTURE SCHEDULE REVISIONS\*\*  
**BULEY LIBRARY RENOVATIONS**  
SOUTHERN CONNECTICUT STATE UNIVERSITY  
NEW HAVEN, CONNECTICUT  
Project No. BL-RS-225B

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Westport, CT 06880  
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JANUARY 16, 2013  
**B-SKP-03**  
DRAWING REF.: P-401

## DOMESTIC WATER HEATER SCHEDULE

UNIT NO.	STORAGE (GAL.)	RECOVERY	TEMP. RISE (°F)	MIXING VALVE	GAS		OIL		VOLTAGE	ELECTRICAL		HEATING BTUH	INDIRECT		MANUFACTURER	MODEL NO.	REMARKS
					GAS PRESS.	MBH INPUT	MBH INPUT	GPH		MBH INPUT	PHASE		WATTS	BOILER GPM			
WH1 & WH2	19	6	100	TMV-1/ TMV-2	--	--	--	--	120	1	1500 W LOWER ELEMENT	--	--	--	LOCHINVAR JRW420E**		REFER TO NOTE #1 & #2
WH3	50	--	100	TMV-3	--	--	--	--	480	3					LOCHINVAR LTX052KK**		REFER TO NOTE #1 & #2
WH4, WH5, WH6	N/A	--	73	TMV-4/ TMV-5/ TMV-6					277	1	16kW				ESMAX EX160TC		

GROUND FLOOR/FIRST FLOOR: WH1&WH2: EXPANSION TANKS (2-EXP-1's) MODEL AMTROL THERM-X-TROL, ST-5-C, ASME, 2.1 GALLON CAPACITY THERMOSTATIC MIXING VALVE: (TMV-1 & TMV-2) SYMMONS TEMPCONTROL MODEL NO. 6-200-A-RC  
 SECOND FLOOR: WH3: EXPANSION TANK (EXP-1) MODEL AMTROL THERM-X-TROL, ST-12-C, ASME, 6.4 GALLON CAPACITY THERMOSTATIC MIXING VALVE: (TMV-3) SYMMONS TEMPCONTROL MODEL NO. 6-400-A-RC  
 3RD FLOOR (WH4) & 4TH FLOORS (WH5 & WH6): FOR S1 APPLICATIONS ONLY

NOTE #1: ITEM FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR TO REVIEW INVENTORY AND SUPPLEMENT MATCHING EQUIPMENT/FIXTURES WHERE EXISTING QUANTITIES ARE INSUFFICIENT.  
 NOTE #2: MODEL NUMBER, VOLTAGE & PHASE TO BE VERIFIED IN FIELD. NUMBER IS NOT LISTED IN INVENTORY

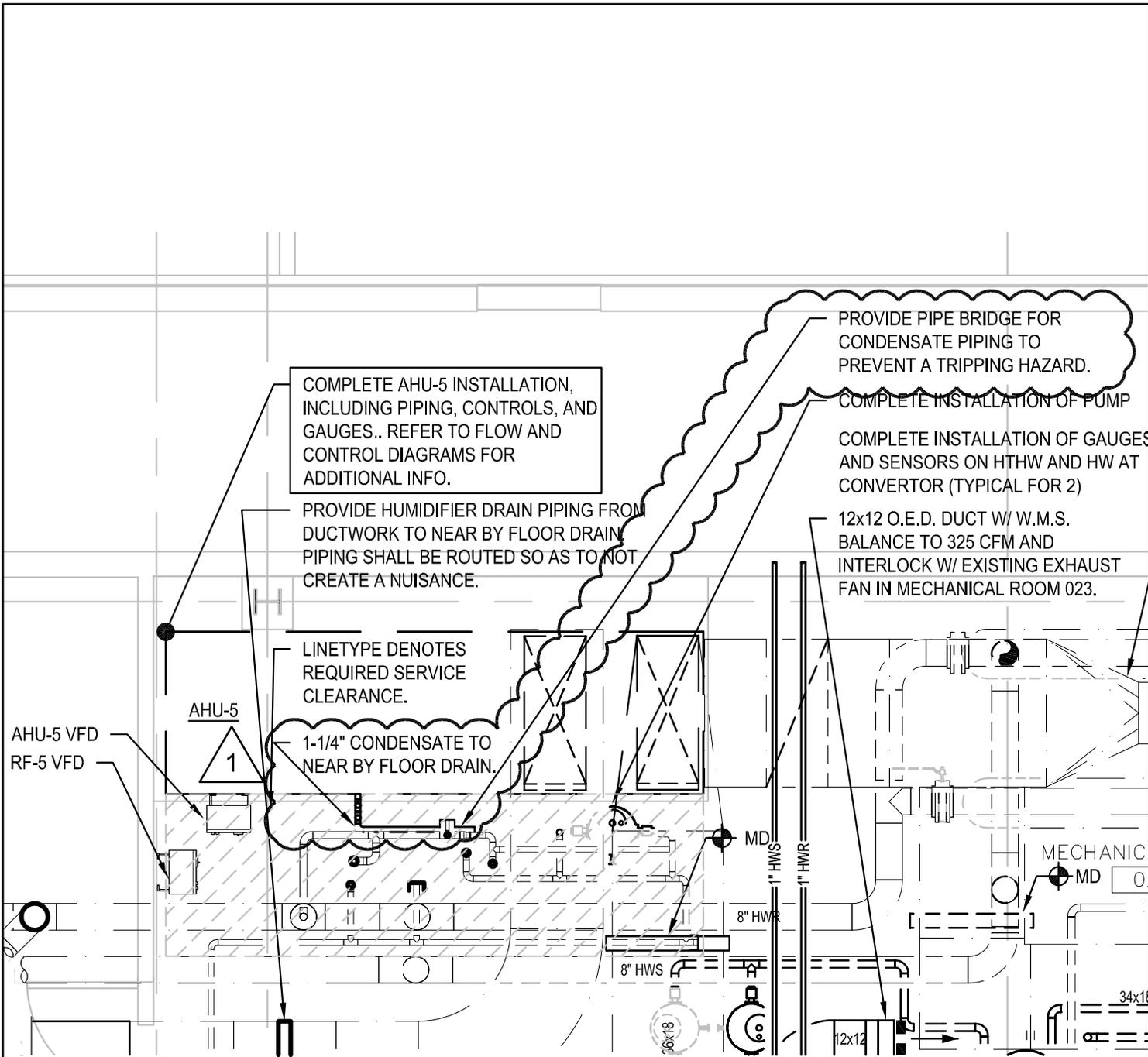


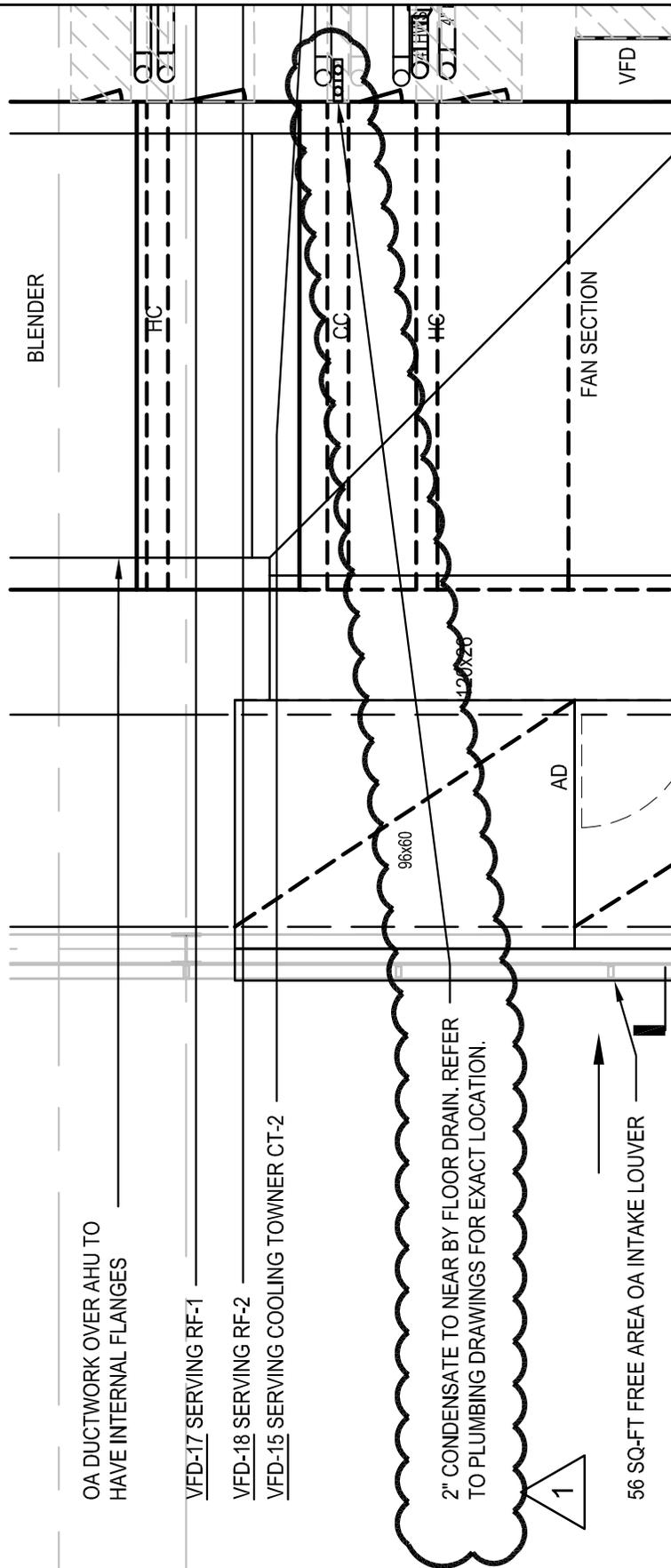
312 Park Rd. W. Hartford, Ct (860)232-6644  
 301 Main Street, Danbury, CT 06810  
 203 778 1017 F 203 778 1018  
 1370 Broadway, New York, NY 10018  
 212 698 2422 F 212 698 2423  
 www.akpark.com  
 Email: krc@akpark.com

\*\*WATER HEATER SCHEDULE REVISIONS\*\*  
**BULEY LIBRARY RENOVATIONS**  
 SOUTHERN CONNECTICUT STATE UNIVERSITY  
 NEW HAVEN, CONNECTICUT  
 Project No. BL-RS-225B

M.R. ROMING ASSOCIATES P.C.  
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 1000 Main Street, New Haven, CT 06510  
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JANUARY 16, 2013  
**B-SKP-04**  
 DRAWING REF: P-402





OA DUCTWORK OVER AHU TO HAVE INTERNAL FLANGES

VFD-17 SERVING RE-1

VFD-18 SERVING RF-2

VFD-15 SERVING COOLING TOWER CT-2

2" CONDENSATE TO NEAR BY FLOOR DRAIN. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION.

56 SQ-FT FREE AREA OA INTAKE LOUVER



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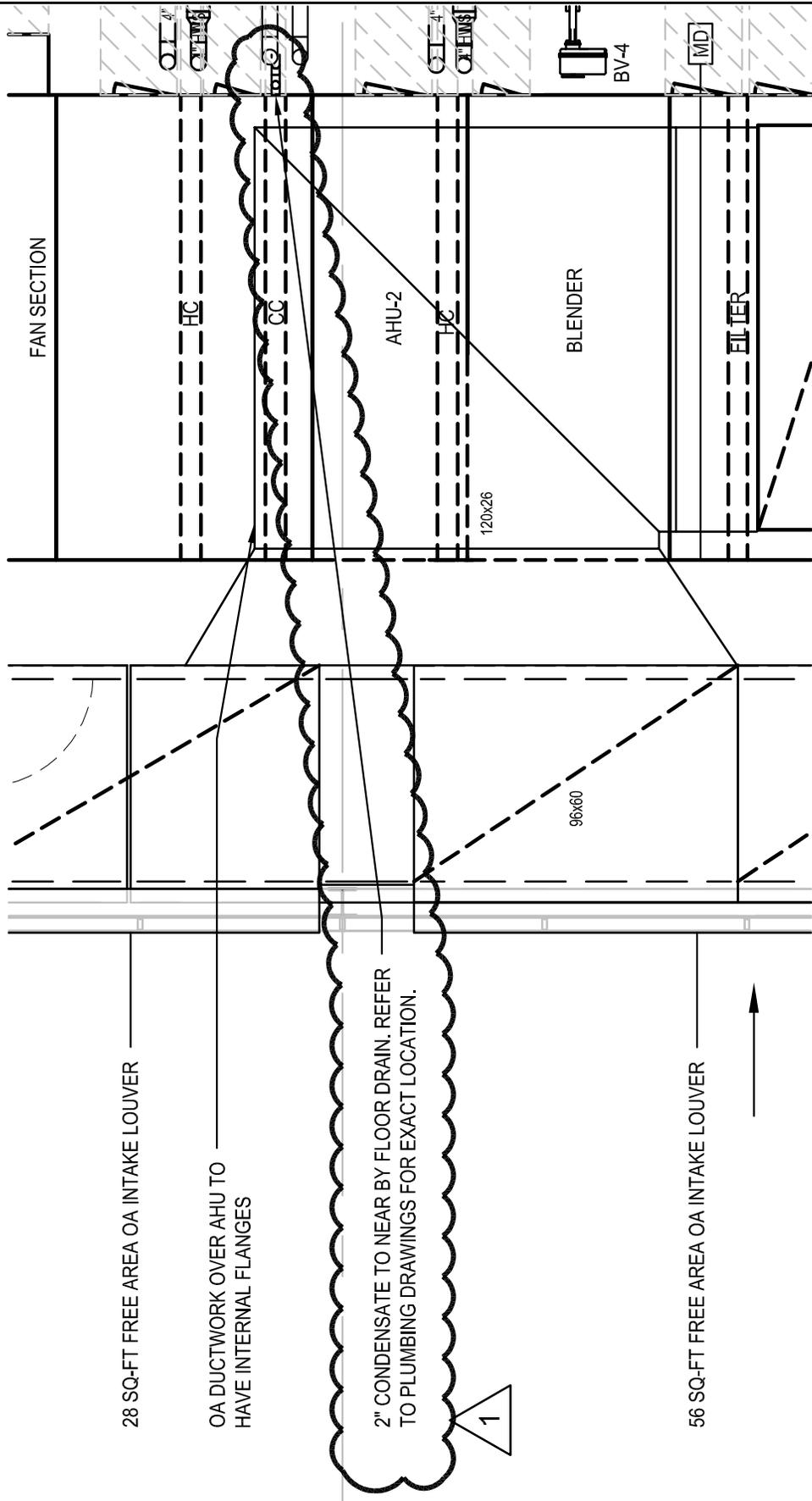


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AHU-1 CONDENSATE PIPING  
**BULEY LIBRARY RENOVATIONS**  
 SOUTHERN CONNECTICUT STATE UNIVERSITY  
 NEW HAVEN, CONNECTICUT  
 Project No. BI-RS-225B

**M.R. ROMING ASSOCIATES** P.C.  
 Landscape Architects • Land Planners  
 West Hartford Connecticut  
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JANUARY 16, 2013  
**B-SKM-02**  
 DRAWING REF: 1 / M-201



28 SQ-FT FREE AREA OA INTAKE LOUVER

OA DUCTWORK OVER AHU TO HAVE INTERNAL FLANGES

2" CONDENSATE TO NEAR BY FLOOR DRAIN. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION.



56 SQ-FT FREE AREA OA INTAKE LOUVER



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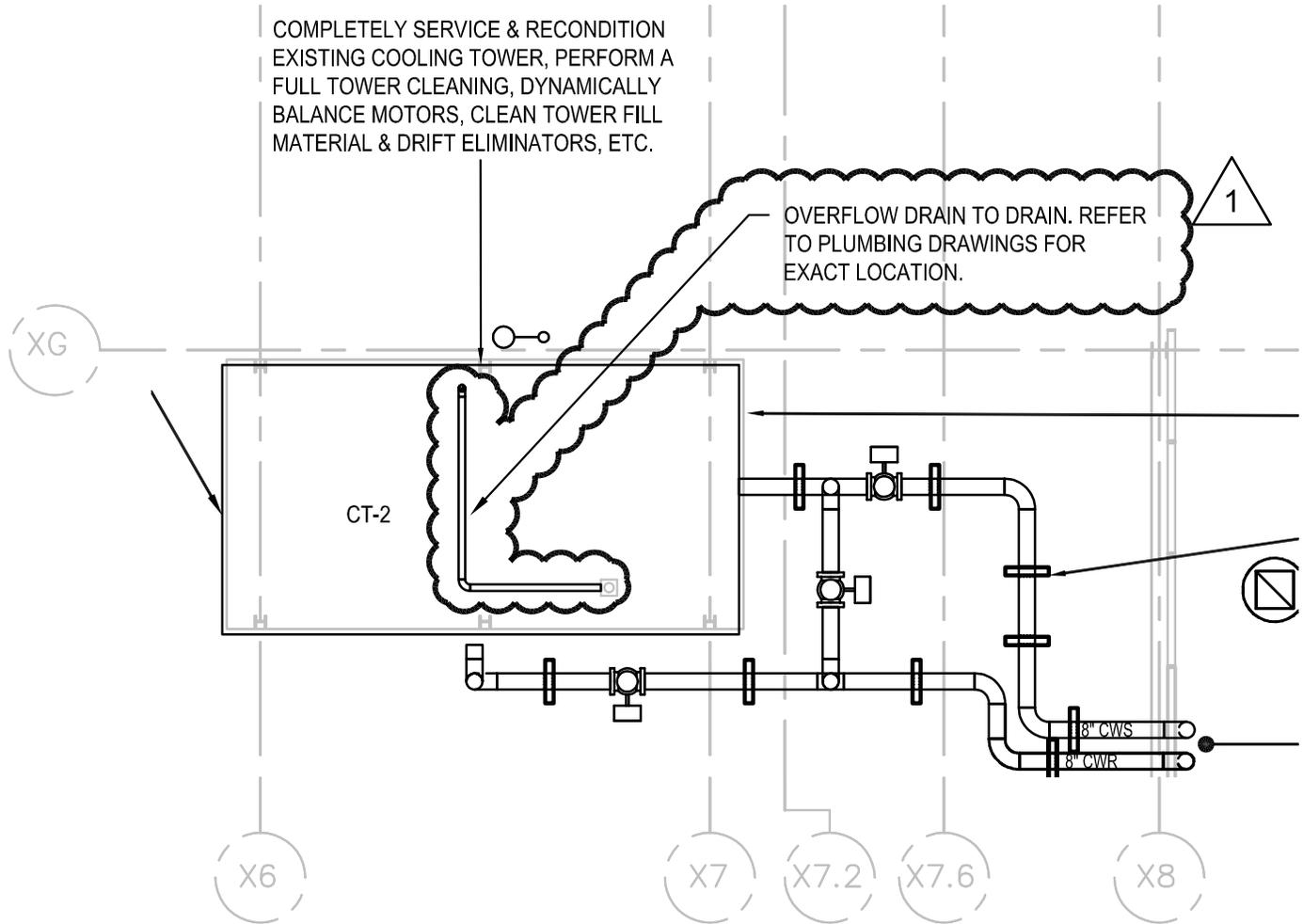
AHU-2 CONDENSATE PIPING  
**BULEY LIBRARY RENOVATIONS**  
 SOUTHERN CONNECTICUT STATE UNIVERSITY  
 NEW HAVEN, CONNECTICUT  
 Project No. BI-RS-225B

**M.R. ROMING ASSOCIATES** P.C.  
 Landscape Architects • Land Planners  
 West Hartford Connecticut  
 (860) 233-1265

JANUARY 16, 2013  
**B-SKM-03**  
 DRAWING REF: 1 / M-201

COMPLETELY SERVICE & RECONDITION  
EXISTING COOLING TOWER, PERFORM A  
FULL TOWER CLEANING, DYNAMICALLY  
BALANCE MOTORS, CLEAN TOWER FILL  
MATERIAL & DRIFT ELIMINATORS, ETC.

OVERFLOW DRAIN TO DRAIN. REFER  
TO PLUMBING DRAWINGS FOR  
EXACT LOCATION.



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312 Park Rd., W. Hartford, CT (860)232-6664

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**KOHLER RONAN, LLC**  
CONSULTING ENGINEERS

COOLING TOWER OVERFLOW DRAIN  
**BULEY LIBRARY RENOVATIONS**  
SOUTHERN CONNECTICUT STATE UNIVERSITY  
NEW HAVEN, CONNECTICUT  
Project No. BI-RS-225B

**M.R. ROMING**  
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JANUARY 16, 2013

**B-SKM-04**

DRAWING REF: 1 / M-105

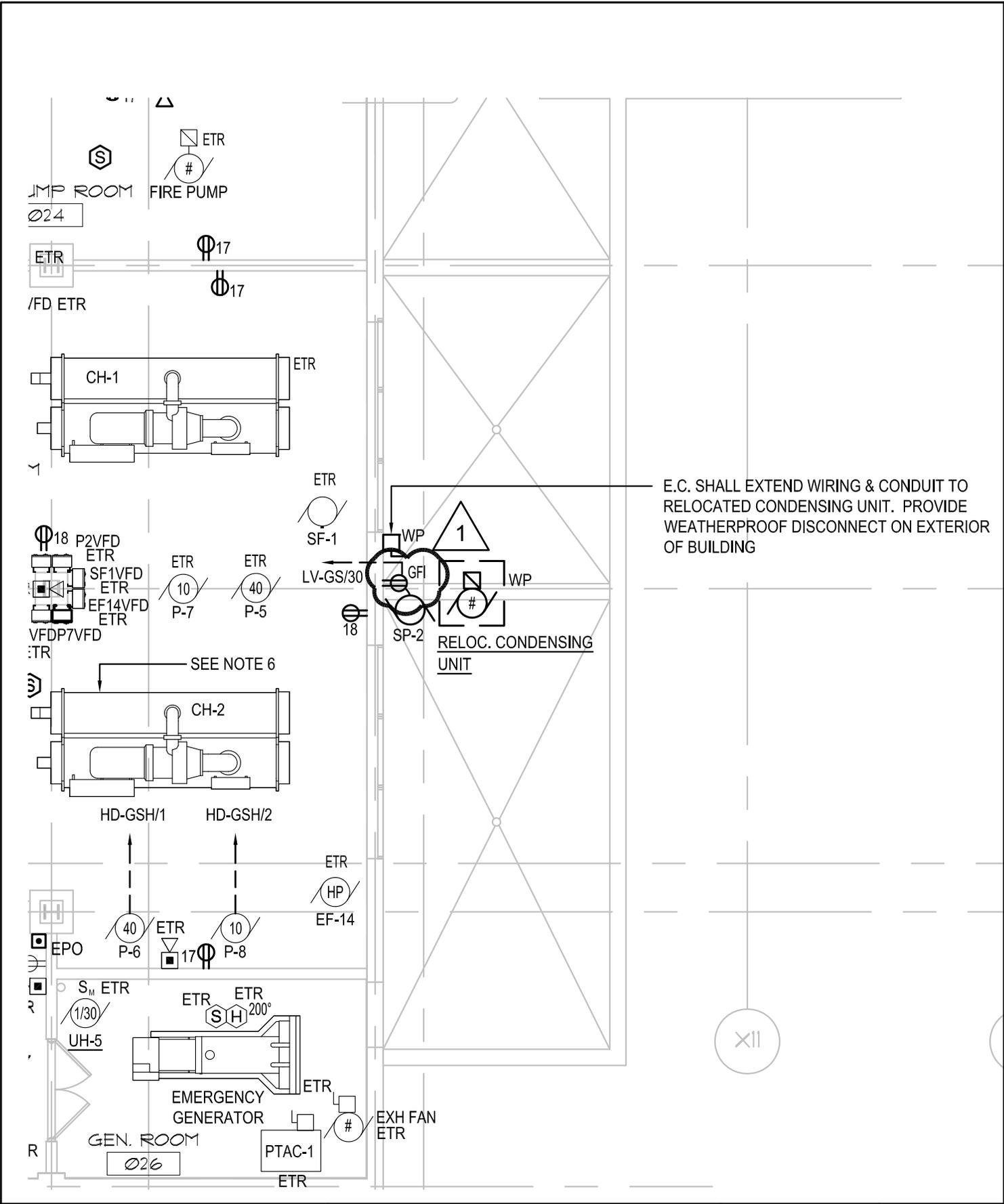
## COOLING TOWERS

UNIT NO	LOCATION	WATER DATA				AIR DATA		FAN DATA		ELECTRICAL					OPER LBS	MAKE/MODEL	REMARKS
		GPM	EWT	LWT	HEAD	WB	CFM	SP	TYPE	HP	VOLTS	PH	RPM	HTR			
CT-1	ROOF	1200	95°F	85°F	-	79.77°F	132,000	-	INDUCED FLOW	20	460	3	1200	-	26,510	MARLEY NC8307FL1	3
CT-2	ROOF	1200	95°F	85°F	-	79.77°F	132,000	-	INDUCED FLOW	20	460	3	1200	-	26,510	MARLEY NC8307FL1	1, 2, 4, 5

**NOTES:**

1. COOLING TOWER FURNISHED BY OWNER AND INSTALLED BY MECHANICAL CONTRACTOR
2. MECHANICAL CONTRACTOR TO FIELD INSTALL METRIX VIBRATION CUTOFF SWITCH, PROBE TYPE ELECTRONIC WATER LEVEL SENSOR FOR MAKE UP & LOW ALARM, QUICK ACTING SOLENOID FOR MAKE UP
3. EXISTING EQUIPMENT IN OPERATION. INDICATED FOR REFERENCE ONLY.
4. COOLING TOWER SHALL BE FULLY CLEANED PRIOR TO OPERATION.
5. PROVIDE FACTORY AUTHORIZED STARTUP
6. PROVIDE AND INSTALL SUMP HEATER IN BASIN PER MANUFACTURERS RECOMMENDATION

1



E.C. SHALL EXTEND WIRING & CONDUIT TO RELOCATED CONDENSING UNIT. PROVIDE WEATHERPROOF DISCONNECT ON EXTERIOR OF BUILDING

SEE NOTE 6

RELOC. CONDENSING UNIT

XII

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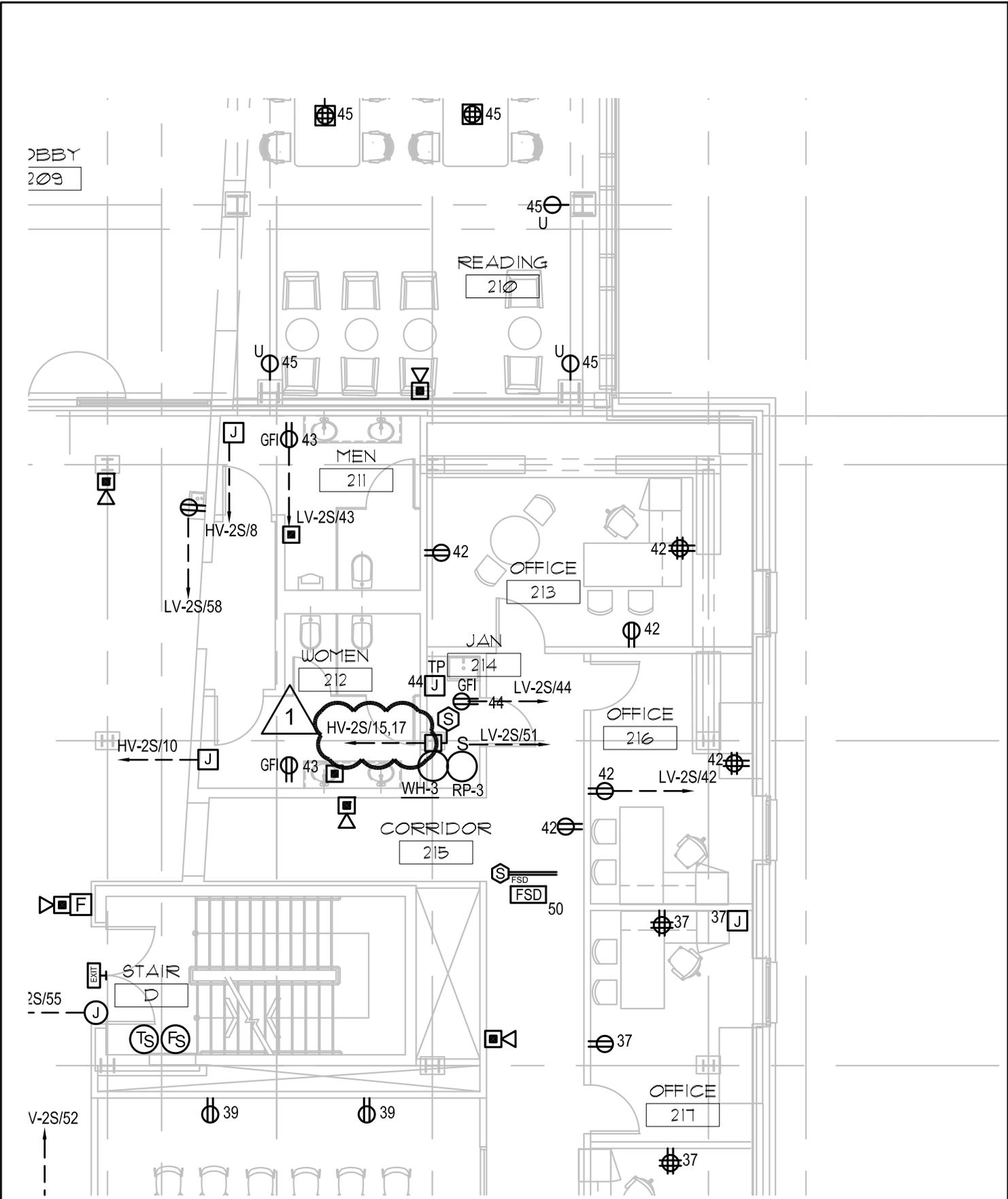
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Project No. BI-RS-225B

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JANUARY 16, 2013

**B-SKE-01**

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1

**EXIST. DISTRIBUTION PANEL HD-4NEH - 2 SECT.**

480/277 VOLTS		3 PHASE		4 WIRE		65,000 AIC	
MAIN BUS SIZE: -		NEUTRAL: 100%		GROUND BUS: FULL			
MAIN DEVICE: -		MOUNTING: SURFACE					
CIRCUIT NUMBER	LOAD ITEM	OVERCURRENT DEVICE			FEEDER SIZE	REMARKS	
		FRAME	TRIP	POLE			
1	RF-1	100	60	3	3 #4 + #10G - 1-1/4" C		
2	EXISTING LV-4NEH	-	-	-	-		
3	-	-	-	-	-		
4	RF-2	100	60	3	3 #4 + #10G - 1-1/4" C		
5	EXISTING CT-1	-	-	-	-		
6	CT-2	100	45	3	3 #6 + #10G - 1" C		
7	-	-	-	-	-		
8	-	-	-	-	-		
9	EXISTING RF-4	-	-	-	-		
10	EXISTING RF-3	-	-	-	-		
11	AHU-1	200	150	3	3 #3/0 + #6G - 2" C		
12	AHU-2	200	150	3	3 #3/0 + #6G - 2" C		
13	EXISTING AHU-4	-	-	-	-		
14	EXISTING AHU-3	-	-	-	-		
15	EXISTING PAN HTR CT-1	-	-	-	-		
16	PAN HTR CT-2	50	30	3	3 #10 + #10G - 3/4" C		
17	EXISTING EF-5	-	-	-	-		
18	EXISTING EF-9	-	-	-	-		
19	EXISTING EF10	-	-	-	-		
20	EXISTING EF-11	-	-	-	-		
21	EXISTING EF-12	-	-	-	-		
22	EXISTING EF-13	-	-	-	-		
23	EXISTING FREEZE PUMPS 11-12	-	-	-	-		
24	-	-	-	-	-		
25	-	-	-	-	-		
26	-	-	-	-	-		
28	-	-	-	-	-		
28	-	-	-	-	-		



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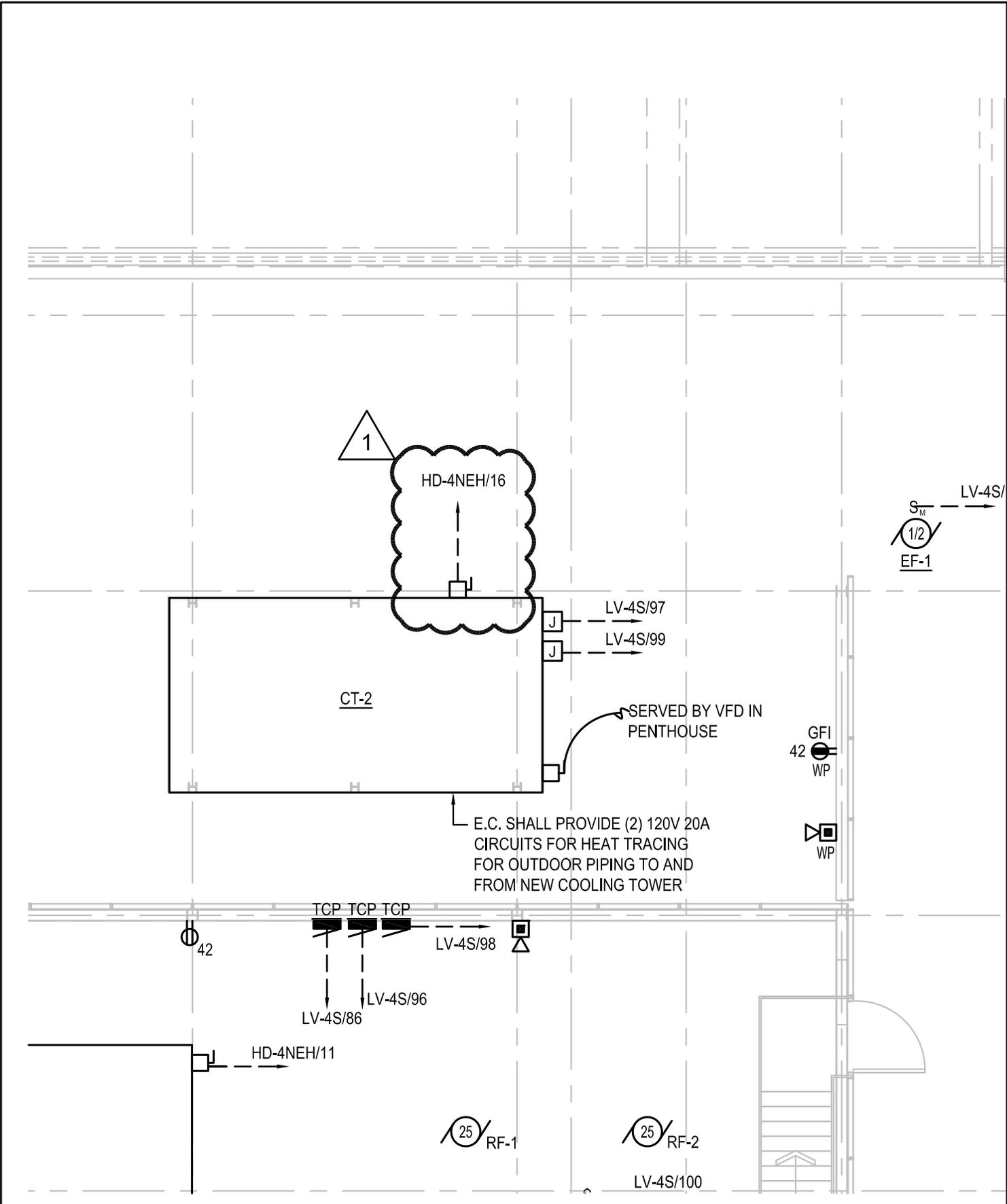
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**B-SKE-04**  
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## LIGHTING FIXTURE SCHEDULE

TYPE	LAMP	VOLTAGE	MOUNTING	DESCRIPTION	IN STOCK	
	LED	277V	SURFACE MOUNT	DIE CAST ALUMINUM SINGLE FACE EXIT SIGN WITH EMERGENCY BATTERY BACKUP - COOPER LIGHTING SURE-LITES #CX71SD		
	LED	277V	SURFACE MOUNT	COMBINATION EXIT SIGN AND UNIVERSAL HANDICAP ACCESSIBLE SIGN. DIE CAST ALUMINUM SINGLE FACE WITH EMERGENCY BATTERY BACKUP. RAZOR; RZR-EM-R-1-BB-T RAZOR;RZR-EM-R-1-BB-T-SA		
	LED	277V	SURFACE MOUNT	DIE CAST ALUMINUM DOUBLE FACE EXIT SIGN WITH EMERGENCY BATTERY BACKUP - COOPER LIGHTING SURE-LITES #CX72SD		
	-	-	SURFACE MOUNT	LOW HEIGHT EMERGENCY SELF-LUMINOUS TRITIUM SIGN WITH GUARANTEED LUMINOUS LIFE UP TO 20 YEARS,AS SPECIFIED. THESE SIGNS CONSIST OF GAS LAMPS WITH THERMOPLASTIC HOUSING. SIGNTEX LIGHTING INC # EMA202G8A-2P5C		
	-	-	SURFACE MOUNT	COMBINATION LOW HEIGHT EMERGENCY SELF-LUMINOUS TRITIUM SIGN AND UNIVERSAL SIGN OF HANDICAP ACCESSIBLE IN ONE ENCLOSURE. THESE SIGNS CONSIST OF GAS LAMPS WITH THERMOPLASTIC HOUSING. SIGNTEX LIGHTING INC # EMA202G8A-WC-2P5C		
1	A	(2)32W T8	277V	PENDANT MOUNT	4 FT LONG, DIE FORMED HIGH REFLECTANCE ALUMINUM - - COOPER LIGHTING NEO-RAY #BB-WM-2T8-1C-277-AC-T1-ET	X
	AA	60W LED	277V	SURFACE MOUNT	POLE MOUNTED SITE LIGHT FIXTURE, 5 LED 4K 60W ARRAY, 12' HIGH TAMPERED ALUMINUM POLE AND LANTERN TO MATCH TO MATCH CAMPUS STANDARD, HOLOPHANE; GRANVILLE CLASSIC LED;GVD-60-4K-X-M-X-3-N-X-X	
	A01A	32W T8	277V	CEILING SUSPENDED	1'-3/4"X4' LINEAR FLUORESCENT FIXTURE WITH SEMI-SPECULAR REFLECTOR, COLD ROLLED STEEL HOUSING AND INTEGRAL ELECTRONIC BALLAST - BARTCO #BFL208 CUSTOM	
	A01B	(2)32W T8	277V	CEILING PENDANT	1'-3/4"X8' LINEAR FLUORESCENT FIXTURE WITH SEMI-SPECULAR REFLECTOR, COLD ROLLED STEEL HOUSING AND INTEGRAL ELECTRONIC BALLAST - BARTCO #BFL208 CUSTOM	
	A01C	(3)32W T8	277V	CEILING PENDANT	1'-3/4"X12' LINEAR FLUORESCENT FIXTURE WITH SEMI-SPECULAR REFLECTOR, COLD ROLLED STEEL HOUSING AND INTEGRAL ELECTRONIC BALLAST - BARTCO #BFL208 CUSTOM	
	A02	28W T5	277V	CEILING SURFACE	5"x4' LINEAR FLUORESCENT WALLWASHER WITH BAFFEL LOUVER, SPECULAR REFLECTOR AND EXTRUDED ALUMINUM HOUSING - ELLIPTIPAR #F144-T155-X-X-2-X-X	
	A03	(2)15W PAR30	120V	CEILING RECESSED	9.5"X32" RECESSED FIXTURE WITH OVERLAP FLANGE AND DIE FORM STEEL CONFIG. C032 - COOPER LIGHTING - RSA LIGHTING COMBOLIGHT SERIES	
	A04	20W LED	277V	CEILING RECESSED	4" ROUND DOWNLIGHT WITH CLEAR COMFORT DIFFUSER, OVERLAP FLANGE, SEMI-SPECULAR REFLECTOR, COLD ROLLED STEEL HOUSING AND INTEGRAL ELECTRONIC HOUSING LIGHTOLIER #C4L10DL	
	A07	32W T8	277V	CEILING SURFACE	4.5"X4' LINEAR FLUORESCENT FIXTURE WITH WITH EXTRUDED ALUMINUM HOUSING AND INTEGRAL ELECTRONIC BALLAST - ELLIPTIPAR #F109-A132-X-X-2-X-X	
	A08	32W T8	277V	CEILING SURFACE	4' LINEAR FLUORESCENT FIXTURE WITH EXTRUDED ALUMINUM HOUSING AND INTEGRAL ELECTRONIC BALLAST - ALIGHT #B4 SERIES ARRIS4	
	A09	20W LED	277V	CEILING RECESSED	4" ROUND DOWNLIGHT WITH CLEAR COMFORT DIFFUSER, OVERLAP FLANGE, SEMI-SPECULAR REFLECTOR, COLD ROLLED STEEL HOUSING AND INTEGRAL ELECTRONIC BALLAST LIGHTOLIER #C4L10LV	
	A10	15W LED	120V	CEILING RECESSED	FIXTURE WITH OVERLAP FLANGE AND DIE FORM STEEL HOUSING CONFIG. C01 - COOPER LIGHTING - RSA LIGHTING COMBOLIGHT SERIES	
	A12	75W PAR30	120V	CEILING SURFACE	LTG FIXTURE HEAD ON LSI TRACK; PROVIDE 120 V TRANSFORMER - - LIGHTING SERVICES INC (LSI) 230 SERIES	
	A013	70W LED	277V	CEILING PENDANT	4' LONG DOWNLIGHT, 6" DIAM. - - DELRAY LIGHTING #8300 SERIES	
	B	(3)32W T8	277V	CEILING RECESSED	SPECULAR / MIRRORED PARABOLIC LOUVER, 12 CELLS, WITH FB031 LAMP. HOUSING: DIE-FORMED PARA-CONTOURED. - COOPER LIGHTING METALUX #2P5GAX-3UJ-5/8-S34MI-277-E881	X
	C	32W	277V	CEILING RECESSED	6" WALL WASH DOWNLIGHT WITH 1 GX24 TRIPLE TUBE LAMP - - PRESCOLITE CFT632EB	X

LIGHTING FIXTURE SCHEDULE					
TYPE	LAMP	VOLTAGE	MOUNTING	DESCRIPTION	IN STOCK
F	(3)32W T8	277V	CEILING MOUNT	CLEAR HEAVY ACRYLIC BAKET TYPE DIFFUSER HEAVY GAUGE STEEL HOUSING DIE EMBOSSED. - COLUMBIA #WP-W4-332-EB8-277-X	X
G	(3)32W T8	277V	CEILING RECESSED	3 LAMP SILVER LOUVER WITH CELL CONFIGURATION OF 3 ROWS OF 9 (27 CELLS) AND SPECULAR/MIRRORED FINISH ON LOUVER. WITH FO32 LAMP. COOPER LIGHTING METALUX #2P5GAX-332S39MI-277-EB81	X
J	(2)32W T8	277V	WALL MOUNT	LINEAR FLUORESCENT FIXTURE WITH HIGH GLOSS WHITE ENAMEL FINISH. - COLUMBIA W4-232-EB8-277-X	X
KR	(2) 32W - T8	120/277V	CEILING PENDANT	4FT. INDUSTRIAL FLUORESCENT FIXTURE WITH 10/15% UPLIGHT, WHITE ENAMEL FINISHED REFLECTOR AND WHITE FINISHED HOUSING - LITHONIA #AF10 2 32 MVOLT GEB10IS	
ELV1	32W T8	277V	WALL SURFACE	2 LAMP FIXTURE WITH INTERNAL PRISMATIC LENS DIMENSIONS 48 in X 7 in x 5 in (L x W x D) - COOPER LIGHTING #VT2-232DR-277-EB81	X
ELV3	100W	277V	WALL SURFACE	INCANDESCENT LIGHT WITH POLYCARBONATE HIGH ABUSE LUMINAIRE AND PRISMATIC REFRACTOR - COOPER LIGHTING FAIL SAFE #B-P-100-277-VRSR	X

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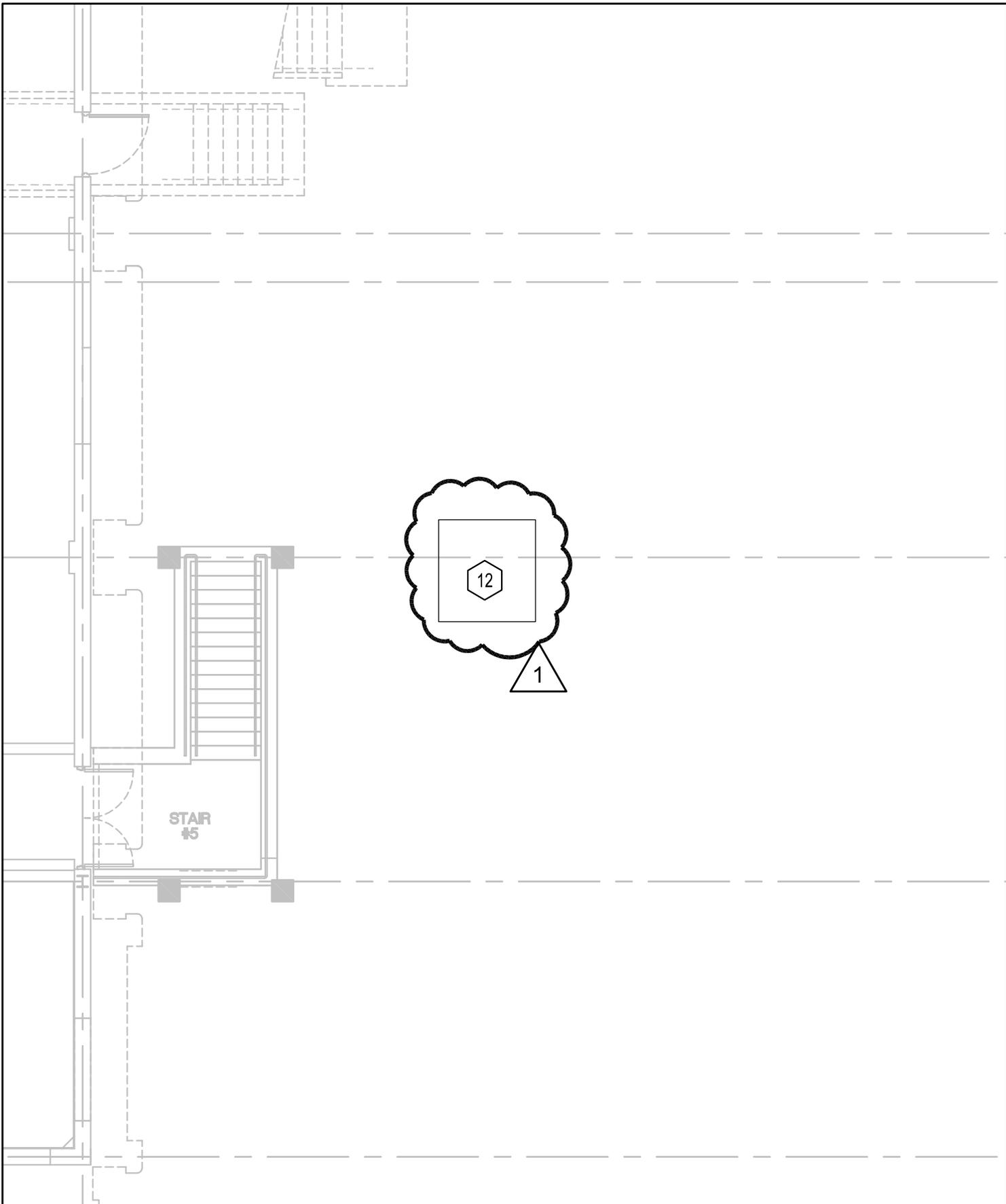


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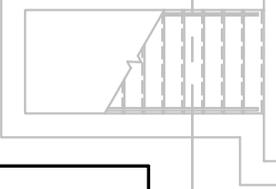


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**B-SKE-07**

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# DEMOLITION KEY NOTES

- 1 E.C. SHALL TRANSFER ALL EXISTING LOADS PROVIDED WITH TEMPORARY POWER FROM THE PANELS IN THIS ROOM TO THE PANELS IN THE NEW ELECTRICAL ROOM, DE-ENERGIZE AND REMOVE ALL PANELS, TRANSFORMERS AND ASSOCIATED FEEDERS AND WIRING.
- 2 DE-ENERGIZE AND REMOVE EXISTING SUB-STATION AND ASSOCIATED FEEDERS.
- 3 PERFORM ALL REQUIRED WORK IN ORDER TO COMPLETE THE CAMPUS POWER SUPPLY LOOP AS INDICATED ON THIS PLAN, DE-ENERGIZE AND REMOVE EXISTING LOOP SWITCHES AND ASSOCIATED FEEDERS.
- 4 DISCONNECT AND REMOVE ALL ABANDONED AND INACTIVE PANELBOARDS, BOXES AND TRANSFORMERS AND ASSOCIATED FEEDERS AND WIRES.
- 5 PULL OUT THE CABLES BETWEEN THE MANHOLE E-21 AND THE SERVICE END BOXES CAP THE CONDUITS WATER TIGHT AND REMOVE THE BOXES.
- 6 REMOVE EXISTING F.A. PANELS AND ASSOCIATED WIRING. PRIOR OF REMOVAL CONTRACTOR SHALL VERIFY WITH THE F.A. VENDOR AND THE CAMPUS PERSONNEL THAT THE PANELS IS INACTIVE.
- 7 REMOVE EXISTING TELECOM PANELS AND ASSOCIATED WIRING. PRIOR OF REMOVAL CONTRACTOR SHALL VERIFY WITH THE CAMPUS PERSONNEL THAT THE PANEL IS INACTIVE.
- 8 REMOVE ALL ABANDONED AND INACTIVE STUB-UP CONDUITS AND BOXES THROUGHOUT THE SPACE.
- 9 REMOVE ALL ABANDONED PANELBOARDS, PULL BOXES AND CONDUITS ON THE GROUND FLOOR AND ON UPPER FLOORS IF ANY.
- 10 E.C. SHALL DISCONNECT BRANCH CIRCUIT TO EXISTING CHILLER AND RECONNECT TO NEW CHILLER.
- 11 E.C. SHALL DISCONNECT EXISTING HIGH VOLTAGE CABLES FROM EXISTING HIGH VOLTAGE SWITCHGEAR AND PULL ADEQUATE AMOUNT OF CABLE INTO EXTERIOR MANHOLE TO PERFORM HIGH VOLTAGE SPLICING AND DISCARD EXCESS CABLE. HIGH VOLTAGE SPLICE KITS SHALL BE AS MANUFACTURED BY 3M OR RAYCHEM AND SHALL BE SUITABLE FOR CABLE TYPE. EMPTY CONDUITS FROM MANHOLE TO BUILDING SHALL BE FILLED COMPLETE WITH CONCRETE.

12 E.C. SHALL DISCONNECT AND REMOVE EXISTING EXTERIOR, OIL FILLED TRANSFORMER PRESENTLY SERVING THE LIBRARY AND REPLACE WITH NEW TRANSFORMER AS MANUFACTURED BY AB EM=PEQ 1288, STYLE# F5EE2663YZ, BELL GREEN 2 COAT URETHANE 2500KVA, 13.8KV/480Y/277 VOLT 3Ø, 4 WIRE AND RECONNECT. COORDINATE SHUTDOWN WITH SCSU.

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X2