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# NOTICE OF NEGOTIATION

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**TO:** All Prospective Vendors  
**FROM:** Purchasing Department  
**DATE:** October 20, 2020  
**RE:** MacKay Library Cooling Tower Upgrades Notice of Negotiation| - BFY20-10R

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## CONTRACTORS QUESTIONS & RESPONSES

- 1) Is There a projected start date?

**Response: A definitive project start date will be identified when the Contract is ready to be executed.**

- 2) What is the completion time for this project?

**Response: The project time length is defined in the Notice of Negotiation document available online at the College's Purchasing Department's website for "Vendor Opportunities"**

- 3) Is there a site logistics plan for crane access, we had this problem last year on this project?

**Response: This is not a question for either the College or the Architect.**

**This is a contractor responsibility under means and methods.**

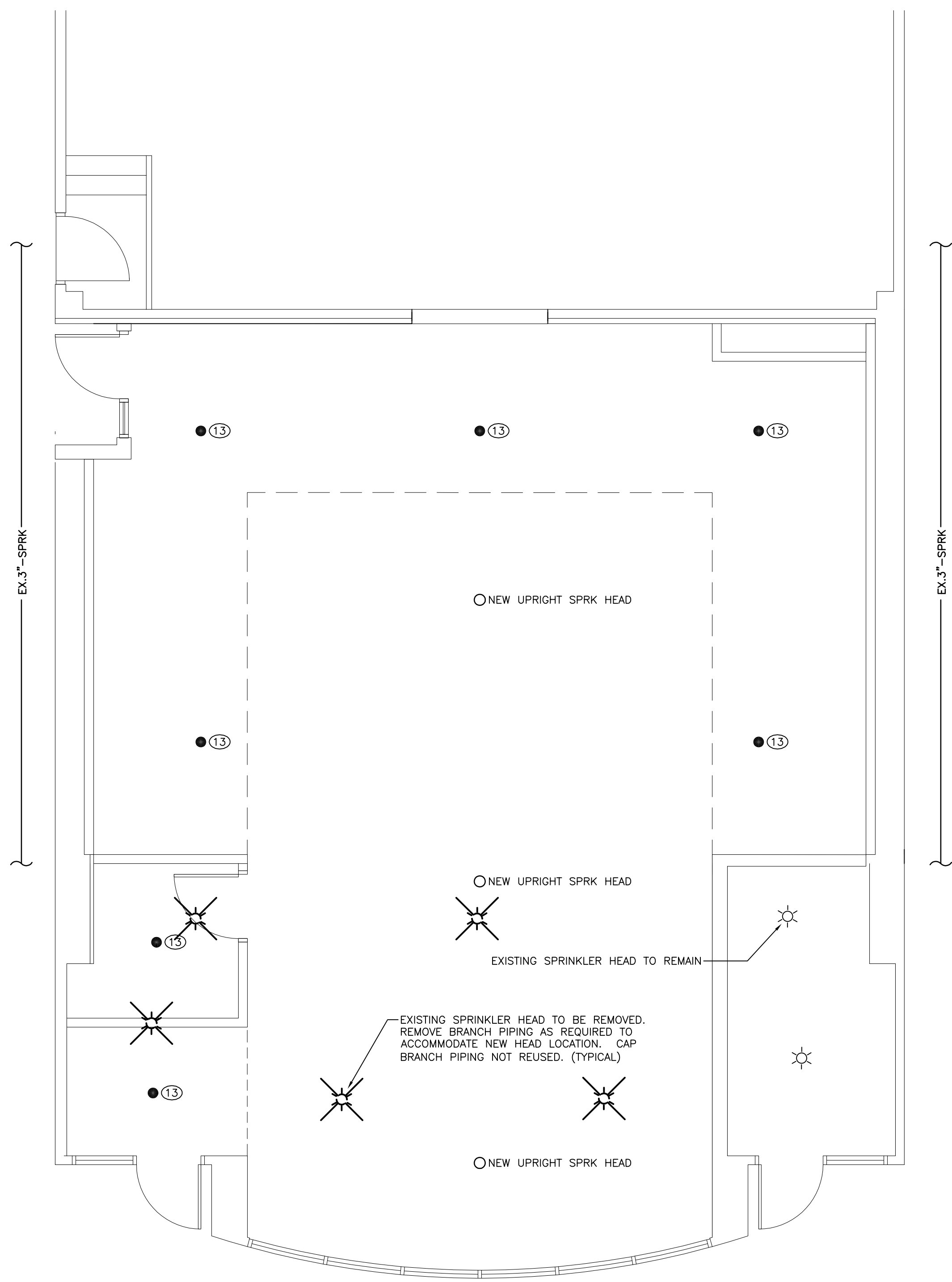
**The only information that could added is that a crane cannot be placed on the 2 ft x 2ft white pavers at the main entrance. There are sub-terrain rooms under those pavers and they would not support the weight of a crane assembly.**

- 4) There is a reference in Paragraph 12 of the Ceiling Notes on A2-2 to a Fire Sprinkler Plan

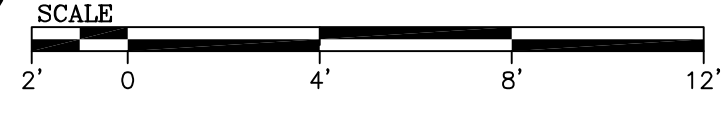
**Response: Please see attached drawing M-103.**



M-103  
Mechanical.pdf

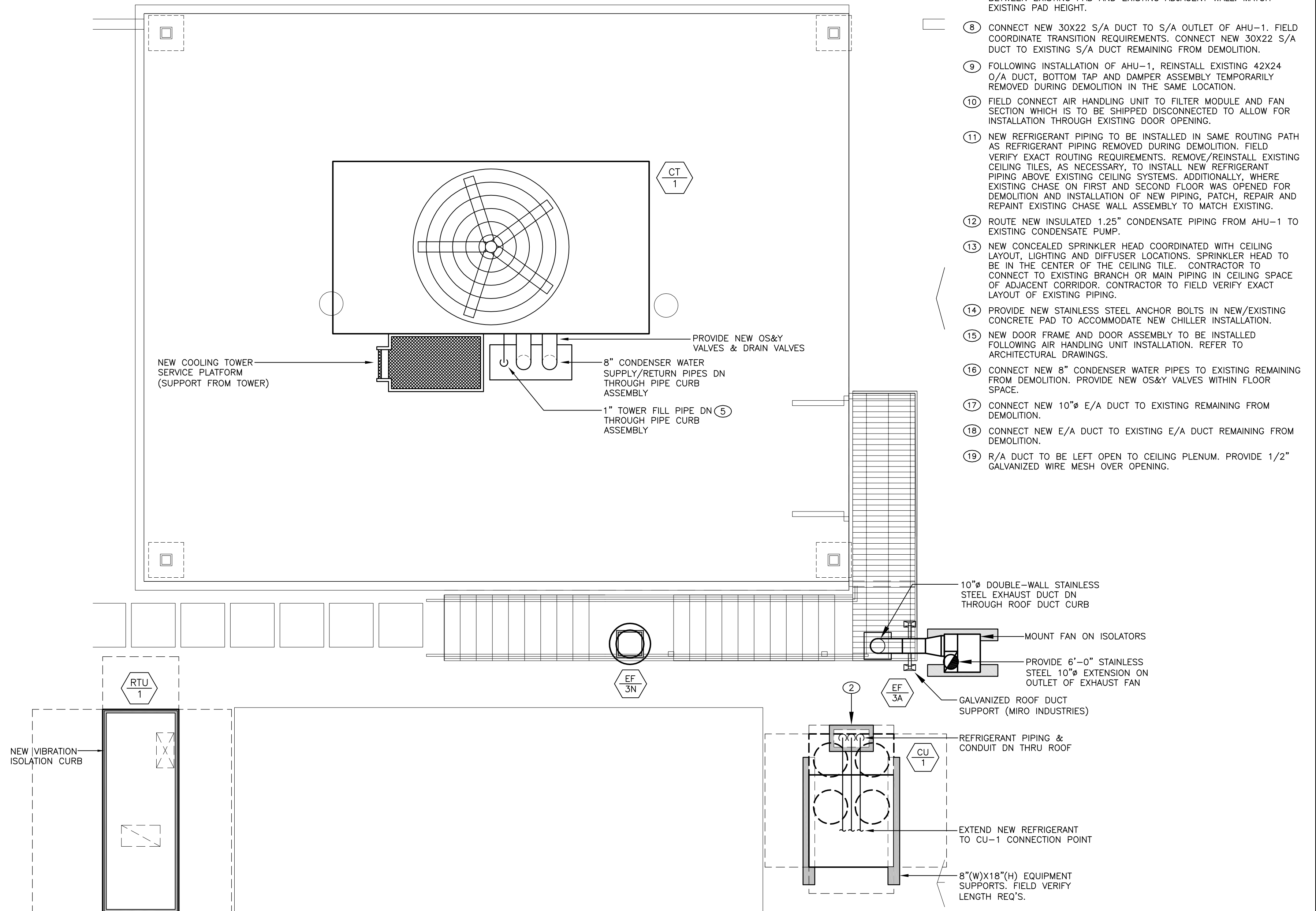


1 PARTIAL THIRD FLOOR PLAN - NEW

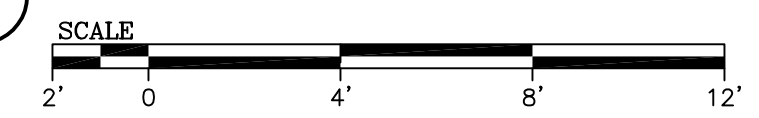


SPRINKLER HEAD SCHEDULE							
SYMBOL	MANUFACTURER	MODEL	TEMPERATURE RATING	FINISH	THREAD SIZE NPT	K-FACTOR	REMARKS
●	VIKING	VK462	ORDINARY 155°F	WHITE	1/2"	5.6	QUICK RESPONSE CONCEALED PENDANT SPRINKLER HEAD, COVER PLATE: WHITE.
○	VIKING	VK3001	ORDINARY 155°F	WHITE	1/2"	5.6	QUICK RESPONSE UPRIGHT SPRINKLER

\* OR EQUIVALENT BY TYCO, RELIABLE, STAR, VICTAULIC, AND GRINNELL ARE ALSO ACCEPTABLE.  
NOTE: ALL EXPOSED SPRINKLER PIPING TO BE PAINTED BY THE GC. COLOR AS SELECTED BY THE ARCHITECT.

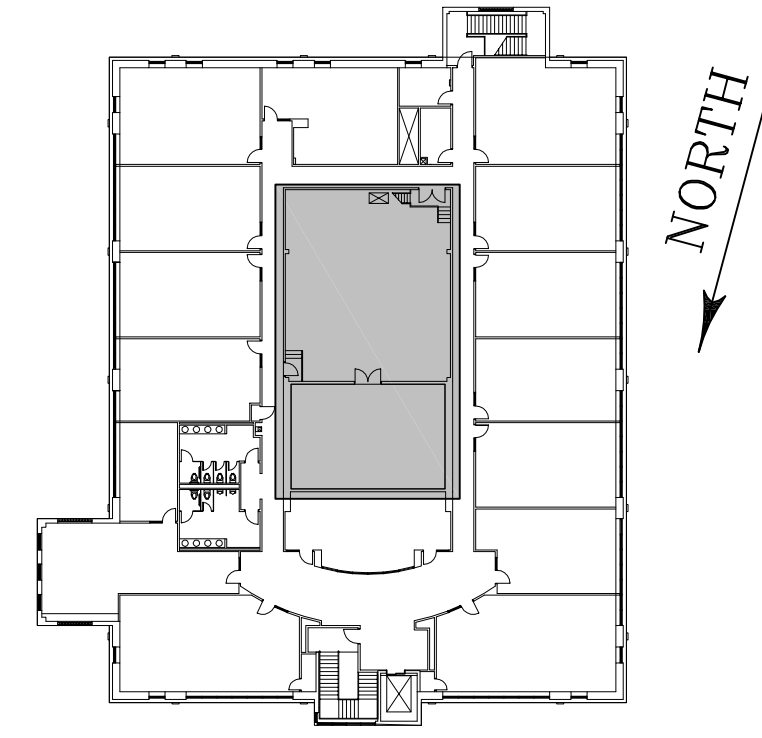


2 PARTIAL ROOF PLAN - NEW



DRAWING NOTES - NEW

- 1 FOLLOWING THE INSTALLATION OF NEW CHILLER, RE-INSTALL EXISTING RAILING SYSTEM.
- 2 CONNECT NEW 8" CHWS/CHWR/CWS/CWR TO EXISTING REMAINING FROM DEMOLITION. PROVIDE ALL REQUIRED OFFSETS AND/OR MODIFICATIONS TO EXISTING PIPING LAYOUT AS NEEDED. PROVIDE NEW OS&Y ISOLATION VALVES ON EACH SERVICE CONNECTION TO NEW CHILLER. TRANSITION, AS REQUIRED, AT POINT OF CHILLER CONNECTION.
- 3 SECURE NEW INERTIA BASE TO EXISTING CONCRETE PAD WITH APPROVED STAINLESS STEEL ANCHOR BOLTS.
- 4 CONNECT NEW PUMP TO EXISTING SUPPLY/RETURN PIPING REMAINING FROM DEMOLITION. PROVIDE ALL REQUIRED OFFSETS AND/OR MODIFICATIONS TO EXISTING PIPING LAYOUT AS NEEDED.
- 5 CONNECT NEW 1" CW TOWER FILL PIPE TO EXISTING REMAINING FROM DEMOLITION. REINSTALL EXISTING STRAINER, DRAIN, WATER METER AND PRESSURE REDUCING VALVE FOR TOWER FILL IN NEW LOCATION. INSULATE AS PER SPECIFICATIONS AND PROVIDE WEATHER-PROOF JACKETING & HEAT TRACING ON ALL EXTERIOR-MOUNTED PIPING SYSTEMS.
- 6 PIPE CURB ON ROOF + CUSTOM PIPE BOX ASSEMBLY. SIZE FOR REFRIGERANT PIPE + CONTROL CONDUIT + POWER CONDUIT(S). COORDINATE WITH ELEC.
- 7 PROVIDE NEW REINFORCED EXTENSION OF EXISTING CONCRETE PAD BETWEEN EXISTING PAD AND EXISTING ADJACENT WALL. MATCH EXISTING PAD HEIGHT.
- 8 CONNECT NEW 30X22 S/A DUCT TO S/A OUTLET OF AHU-1. FIELD COORDINATE TRANSITION REQUIREMENTS. CONNECT NEW 30X22 S/A DUCT TO EXISTING S/A DUCT REMAINING FROM DEMOLITION.
- 9 FOLLOWING INSTALLATION OF AHU-1, REINSTALL EXISTING 42X24 O/A DUCT, BOTTOM TAP AND DAMPER ASSEMBLY TEMPORARILY REMOVED DURING DEMOLITION IN THE SAME LOCATION.
- 10 FIELD CONNECT AIR HANDLING UNIT TO FILTER MODULE AND FAN SECTION WHICH IS TO BE SHIPPED DISCONNECTED TO ALLOW FOR INSTALLATION THROUGH EXISTING DOOR OPENING.
- 11 NEW REFRIGERANT PIPING TO BE INSTALLED IN SAME ROUTING PATH AS REFRIGERANT PIPING REMOVED DURING DEMOLITION. FIELD VERIFY EXACT ROUTING REQUIREMENTS. REMOVE/REINSTALL EXISTING CEILING TILES, AS NECESSARY, TO INSTALL NEW REFRIGERANT PIPING ABOVE EXISTING CEILING SYSTEMS. ADDITIONALLY, WHERE EXISTING CHASE ON FIRST AND SECOND FLOOR WAS OPENED FOR DEMOLITION AND INSTALLATION OF NEW PIPING, PATCH, REPAIR AND REPAINT EXISTING CHASE WALL ASSEMBLY TO MATCH EXISTING.
- 12 ROUTE NEW INSULATED 1.25" CONDENSATE PIPING FROM AHU-1 TO EXISTING CONDENSATE PUMP.
- 13 NEW CONCEALED SPRINKLER HEAD COORDINATED WITH CEILING LAYOUT, LIGHTING AND DIFFUSER LOCATIONS. SPRINKLER HEAD TO BE IN THE CENTER OF THE CEILING TILE. CONTRACTOR TO CONNECT TO EXISTING BRANCH OR MAIN PIPING IN CEILING SPACE OF ADJACENT CORRIDOR. CONTRACTOR TO FIELD VERIFY EXACT LAYOUT OF EXISTING PIPING.
- 14 PROVIDE NEW STAINLESS STEEL ANCHOR BOLTS IN NEW/EXISTING CONCRETE PAD TO ACCOMMODATE NEW CHILLER INSTALLATION.
- 15 NEW DOOR FRAME AND DOOR ASSEMBLY TO BE INSTALLED FOLLOWING AIR HANDLING UNIT INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS.
- 16 CONNECT NEW 8" CONDENSER WATER PIPES TO EXISTING REMAINING FROM DEMOLITION. PROVIDE NEW OS&Y VALVES WITHIN FLOOR SPACE.
- 17 CONNECT NEW 10" E/A DUCT TO EXISTING REMAINING FROM DEMOLITION.
- 18 CONNECT NEW E/A DUCT TO EXISTING E/A DUCT REMAINING FROM DEMOLITION.
- 19 R/A DUCT TO BE LEFT OPEN TO CEILING PLENUM. PROVIDE 1/2" GALVANIZED WIRE MESH OVER OPENING.



ROOF KEY PLAN

ISSUE FOR BID

APRIL 7, 2020

**Strunk-Albert Engineering**  
Engineered Systems and Building Consultants  
804 Seven Bridge Road, Route 209  
East Stroudsburg, PA 18301  
T: 770.421.2025

**PBA ENGINEERING, P.C.**  
Structural Engineers  
12 Kulick Road, Fairfield, New Jersey 07004-3363  
E-MAIL: pba@pbaeng.com  
Phone: (973)278-1700  
Fax: (973)278-9766

No. Date Revision  
Project Title:  
**MACKAY LIBRARY COOLING TOWER REPLACEMENT**  
1033 SPRINGFIELD AVENUE  
CRANFORD, NEW JERSEY 07016  
FOR  
**Union COUNTY COLLEGE**

**NV5**  
7 CAMPUS DRIVE, SUITE 300  
PARSIPPANY, NJ 07054  
P: 973.946.5635 WWW.NV5.COM

**NV5 - ARCHITECTURE PC**

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Drawing Title:  
**PARTIAL ROOF PLAN - MECHANICAL**

Date: 2020.04.07  
Scale:  
Drawn:  
Checked:  
Job No: 728717-00216.00  
Drawing No: **M-103**