



QUESTIONS & RESPONSES #02

BID / TITLE 070941 | EBC Bldg 326 HVAC & Roof Replacement & Bldgs 407 & 532 Bird Wire

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| PROPOSER QUESTIONS | PORT RESPONSES | RFP/ RFQ Section |
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| Do you have any further information on this? What type of HVAC system are looking to use? Are you looking to get new DDC system as well? | Reference M-series drawings and divisions 20, 22, 23 specifications for requirements. | |
| New panel schedule shown on E5.01 includes remarks about GFCI breakers shown with an asterisk*. There are no asterisks shown at individual breaker locations. Can you verify that no GFCI breakers are needed? | There are no GFCI breakers required unless you prefer to install for GFCI protection of roof top receptacles in lieu of GFCI wiring devices. | |
| Drawing E1.01 note 4 states to demo wiring back to source. Drawing E2.01 note 5 states to provide new wiring secured to molded pyramid block supports. This note makes it seem as if we will also be replacing the conduit. Can you clarify if we are removing wiring as well as the conduit pathway and then installing new wiring and conduit pathway secured to blocks? | Wiring is considered to be conductors installed in an approved raceway system. Wires are considered to be conductors. See addendum 1 for additional definitions. | |
| Drawing E2.01 note 1 states that the new mechanical equipment RTU3, RTU4 and RTU5 is furnished with an integral GFCI, but RTU3 shows a new GFCI per note 4. Please verify that we are providing a total of (3) GFCIs, one at each of RTU1, RTU2, and RTU3. | Delete plan note 1 at RTU 3. See addendum 1. | |

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| Drawing E2.01 note 1 states that the new mechanical equipment RTU3, RTU4 and RTU5 is furnished with an integral Disconnect, but RTU3 shows a new disconnect that division 26 should furnish and install per the mechanical schedule. Please verify whether or not Division 26 is to furnish and install a new disconnect at RTU3. | Delete plan note 1 at RTU 3. See addendum 1. | |
| Vapor barrier is required in roof type R1. Roof type R2 no vapor barrier is called out. Please confirm vapor barrier is not required by code. | Vapor barrier is called out for roof assembly R2 and not for roof assembly R1. ADD vapor barrier on steel deck for roof assembly R1. See Addendum #2 revised plan sheets. | |
| We reviewed the R-value's noted on roof plan A1.10. There is a conflict between the noted minimum R-values and the noted slope of ¼" per ft. There are several areas that R-values noted at the ridges that cannot be met in the span allowed from the edge of the roof to the ridge. We would suggest providing a minimum R-value requirement at the perimeters and removing the R-value requirements at the ridges. You could also specify a minimum average R-value of the taper system. | Values shown are approximate and are for permitting purposes. The area weighted effective value requirement is given in the Exterior Envelope note in the Building Thermal Envelope Legend, which is U=0.027 (R-38 equivalent) per WSEC. Please note that the area weighted effective value is not the same as an average value. The minimum R-values at the perimeter, along with the minimum 1/4 per foot slope is intended to provide the required area weighted effective value. See revised roof plan which removed incorrect values (values at these locations to be determined by slope). See Addendum #2 revised plan sheets. | |
| Are there as-builts available for building 326 so we can get a better idea on air balancing? | Balance new HVAC units to total CFM indicated on Contract documents. As-built drawings are not available for the interior of the building. | |
| Sheets A1.20 note R07 says "provide poles and wire grid along roof perimeter, typical, and connect to existing system. Fasten base plate to outside face parapet wall or fascia". But the plans depict existing poles at the perimeter of the building. Please confirm that no new poles are required at this building. | No new poles are required for Building 407. DELETE note R07 on this sheet. (Note that R04 still applies and is typical for entire roof perimeter.) See Addendum #2 revised plan sheets. | |
| The partial floor plan on M0.02 shows some new ductwork below the roof connecting to existing duct in open office 103. What is the ceiling in this area? | Ceiling is T-bar in room 103 | |
| G 2.10 Roof Assembly – shows R-38 continuous, but A1.10 Roof Plan – shows R-20 and R-31 at the drains. Which is correct? | As noted on the assemblies and in Building Assembly note 1, the roof deck is flat, the insulation must be tapered to provide slope. The insulation value must meet the Exterior Envelope requirement noted in the Building Thermal Envelope legend, and provide the equivalent of R-38 or U=0.027, using the area weighted calculations in the WSEC for tapered insulation systems. The taper will produce thicker insulation (higher R-value) at the high points. Low points may be less than overall area weighted value. The values shown at the low and high points are for permitting information and are intended to provide the required area weighted value. Actual insulation thickness must be confirmed for the thermal value of insulation provided. See Addendum #2 revised plan sheets. | |

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| During walk thru it was noticed on Bldg. 326 above the HVAC unit that there was some old netting that may have been over the HVAC units. Please clarify if new newtting is to be installed. | Netting is not required. Provide bird deterrent components as indicated on A1.11. | |
| Drawing D1.10 Note D03 states demolish siding above window band, typical around perimeter of building; Note D10 demolish fascia flashing and nailers abouve CMU wall; Note D11 Demolish coping, parapet wall and membrane flashing on wall. Please provide exterior elevation drawings of Bldg. 326. | Elevation drawings are not available. A site visit is advisable. Details on A5.10 provide typical dimensions and conditions at parapet wall/fascia locations. | |
| Drawing A1.10 Note R05 Provide coping and metal wall panels at canopy. Please provide exterior elevations for wall panels. | Elevation drawings are not available. A site visit is advisable. See 7/A5.10 for typical canopy detail | |
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