



**ADDENDUM NO. 3
MPR HVAC FOR BEN LOMOND, CYPRESS, GROVECENTER, ROWLAND AND
WORKMAN ELEMENTARY SCHOOLS
BID NO. 22-23-126**

August 11, 2023

This Addendum forms a part of the Bid Documents and modifies the original Bid Documents. Acknowledge receipt of this Addendum in space provided on the Bid Form. Failure to acknowledge may subject Bidder to disqualification. Except as specifically modified by this Addendum, all other terms and conditions set forth in the Bid Documents remain in full force and effect.

EXTENSION OF THE BID DEADLINE:

I will be sending out an additional Addendum #4 to address the remaining questions. For that reason, the deadline for bid submittal has been extended from Tuesday, August 15st at 1:00pm to **Thursday, August 17th at 1:00pm.**

QUESTIONS AND CLARIFICATIONS:

Question #23: To be consistent, please provide criteria to be used by all bidders about the number of underground pull boxes and type required for the underground installation.

Clarification #23: For Ben Lomond, approximately one underground pull box is required for conduit run from MSB to panel B. For Grovecenter, approximately one underground pull box is required for conduit run from MSB to panel B. Provide pull box size as needed.

Question #24: Per A1.1 Grovecenter, the size of the pad is located in the Architectural or Mechanical sheet, we couldn't find this information in the plans, please advise the required size.

Clarification #24: New pad shall be 6" thick with 6" edge distance as shown on M1.1C, 1/A1.1A, and 6/A1.1A.

Question #25: Per M1.1A Ben Lomond, demolition notes, we need to demolish the existing EF, floor plans show an EF installed in the new system, equipment schedule does not show any EF. Please advise if the existing EF is to be removed and replaced, if it does, please provide the EF equipment schedule.

Clarification #25: EF schedule is included in the DSA Submittal Set dated 03/16/2023. Here is the schedule... Loren Cook model 270SQN-HP, 2500 CFM, 0.5 ESP.

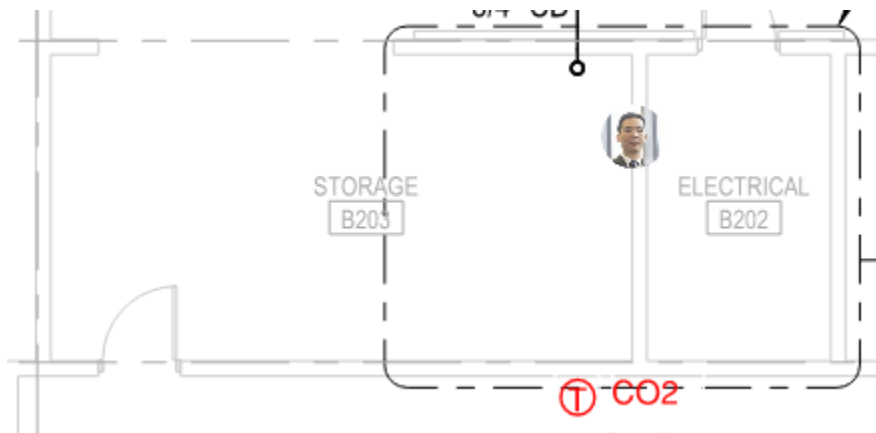
EXHAUST FAN SCHEDULE																								
NOTES: 1. 2. 3. 4. 5.																								
ID	DESCRIPTION	LOCATION			TYPE	FAN DATA							ELECTRICAL DATA						BASIS OF DESIGN					
		NO.	NAME			DESCRIPTION	AIR FLOW (CFM) DESIGN	ESP (IN WG)	RPM	DRIVE TYPE	QTY	HP	HP Input	RPM	ECM	FLA (A)	FLA Input	MCA (A)	MOCF (A)	VOLT (V)	PH	WEIGHT (LBS)	MANUFACTURER	MODEL
EF-B1	EXHAUST FAN	B201	MECHANICAL ROOM		CENTRIFUGAL INLINE	CENTRIFUGAL	2,500	0.5	526	BELT	1	0.5	0.5	1725	No	9.8	9.8	12.3	15	115	1	428	LOREN COOK	270SQN-HP

Question #26: Per A1.3 Keynote #N403 Cypress, CU-B1 refers to install the unit on Vibrex frame, please advise if the frame is bolted down directly to the roof, or if detail A3 on A1.3 to be used for equipment pad and the frame is seating on it?

Clarification #26: Install on equipment pad per existing details.

Question #27: Cypress mechanical floor plans do not show location of thermostat. Please advise if new thermostat is required or we re-using existing. If new, please indicate location on plans.

Clarification #27: New thermostat and CO2 sensor is needed. Locate on wall that separates Storage B203 and MPR B204.



Question #28: Per M1.1C Grovecenter, demolition note A, refer for demolition of existing indoor and outdoor units and their related concrete pads, please advise concrete pads sizes and depth.

Clarification #28: New pad shall be 6" thick with 6" edge distance as shown on M1.1C, 1/A1.1A, and 6/A1.1A.

Question #29: Sheet M1.1B Rowland, shows new 22” supply duct connected to return duct, please clarify if this is a typo.

Clarification #29: It should be a return duct.

Question #30: Sheet M1.1B Rowland, has a note to check kitchen range hood EF and two ceiling EF, please confirm this is under the MPR scope.

Clarification #30: Confirmed.

Question #31: Demolition plans and RCP do not show any demolition or removal of diffusers and grills at Rowland. M1.1B general note 2 says “Diffusers & grills to match (E) ceiling tiles refer to RCP” Please clarify if diffusers and grill need to be change.

Clarification #31: Existing diffuser to remain.

Question #32: Plan, sheet A1.1A Rowland, reference notes D08 & D10, directing us to see structural plans. according to G0.1 sheet index there are no structural plans. please provide details for framing enlargement of mezzanine floor for new duct run.

Clarification #32: Contractor to increase existing duct opening to fit 48”x22” ductwork.

Question #33: Please advise if Title 24 acceptance testing is required or just Air balance report.

Clarification #33: All the applicable acceptance testing forms are provided on M0.6

Question #34: Plans for these MPR buildings (Workman and Ben Lomond) referring to the machinal plans for demolition, Mechanical plans do not show demolition existing duct or POD/POC, please provide missing information for correct bidding.

Clarification #34: Demolition work is limited to mechanical room only. Existing ductwork and diffusers outside of mechanical room to remain.

Question #35: Plan sheet M8.1 Ben Lomond, equipment schedule notes #7, asking to provide VFD for FCU-B1. Control diagram does not reflect a VFD for this system and we do not have sequence of operations for this system. Also, in all other sites there is no requirement for a VFD.

Please advise if VFD is required, if it does, please provide sequence and control diagram, and if it required to all sites.

Clarification #35: VFD is to be provided/installed at the Carrier factory.

Question #36: Per E2.1 Cypress, keynote #7, new feeder to run on top on covered walkway. Please provide details how to support this conduit run, also, please advise if this run need to be in rigid conduit.

Clarification #36: Roof conduit detail added in E6.1. Please note this was answered during addendum 2.

Question #37: Per E2.1 Grovecenter keynote #7, we need to trench and install underground conduit to feed the new panel at building B, plan does not have any trenching details. Please advise depth, width and if a slurry is required.

Clarification #37 Trenching detail added in E6.1. Please note this was answered during Addendum 2.

Question #38: On Four (4) sites (Grovecenter, Cypress, Workman & Rowland), per E5.1, single line diagram, keynote #2 is asking for VFD to be provided by division 23. Mechanical plans do not call for a VFD. Please clarify requirements for VFD

Clarification #38: Updated drawings will not include any mention of VFDs, instead disconnects will be used. Please note this was answered during Addendum 2.

Question #39: Ben Lomond - On A1.1A, detail N158 calls for new 6" inch thick top level pad. For both the outside and inside equipment. In addition, M1.1A, drawing calls for providing a 6" inch min concrete pad per detail XXX. Please provide detail XXX.

Clarification #39: See anchorage detail 1/M7.4.

Question #40: On Rowland M1.1B Building B Mech Mezzanine there is a 22' RA round duct. On Building B Mechanical Floor Plan Shows 22' SA round duct. Please Specify whether its SA or RA duct.

Clarification #40: It should be a return duct.

Question #41: As Per Page M8.1 Ben Lomond AC Unit Replacement Schedule, Note 7 Calls to provide VFD for FCU-B1. Please provide the VFD specifications required.

Clarification #41: VFD is to be provided/installed at the Carrier factory.

Question #42: As Per Ben Lomond Page M1.1A Building B Floor plan. Detail BLDG B - Mezz Level shows an EF -B1 on the RA Ducting. Please specify the EF requirements.

Clarification #42: EF schedule is included in the DSA Submittal Set dated 03/16/2023. Here is the schedule... Loren Cook model 270SQN-HP, 2500 CFM, 0.5 ESP.

EXHAUST FAN SCHEDULE																							
NOTES: 1. 2. 3. 4. 5.																							
ID	DESCRIPTION	LOCATION		TYPE	FAN DATA										ELECTRICAL DATA					BASIS OF DESIGN			
		NO.	NAME		DESCRIPTION	AIR FLOW (CFM) DESIGN	ESP (IN WG)	RPM	DRIVE TYPE	MOTOR				FLA (A)	FLA Input	MCA (A)	MOC ^P (A)	VOLT (V)	PH	WEIGHT (LBS)	MANUFACTURER	MODEL	
EF-B1	EXHAUST FAN	S201	MECHANICAL ROOM	CENTRIFUGAL INLINE	CENTRIFUGAL	2,500	0.5	528	BELT	1	0.5	0.5	1725	No	9.8	9.8	12.3	15	115	1	428	LOREN COOK	270SQN-HP

Question #43: As Per Ben Lomond Detail 2 on A1.1A calls out to see concrete anchorage to curb connections on 1/M7.2 & 1/M7.3. However, detail 1/M7.2 is referencing ducting. Please provide anchorage.

Clarification #43: See anchorage detail 1/M7.4.

Question #16: Per the “Notice Inviting Formal bids”, contractors need to have Class B and/or C-20. A contractor that holds only C-20 cannot perform the concrete pad or electrical scope, without carrying a class B license. Please advise.

Original Clarification #16: Due to the scale, complexity, and multiple trades required for this project, contractors shall be required to have a Class B license.

UPDATED CLARIFICATION #16: The District has determined that the HVAC C-20 license portion of the contract is more than fifty-one percent of the contract. Therefore, the District will accept bids from a C-20 license contractor.

END OF ADDENDUM