

ADDENDUM NO. 2
TO PROJECT SPECIFICATIONS FOR
PARENTS AND FRIENDS INC
RESIDENTIAL CARE FACILITY FOR THE ELDERLY

DATE: March 14, 2022
TO: Plan Holders
SUBJECT: **Addendum No. 1 Parents and Friends Inc.
Cypress Street Project**
BID OPENING DATE: **Monday, March 21, 2022 @ 2PM via Zoom
Videoconference**

This Addendum No. 2 forms a part of the Bidding and Contract Documents and modifies the Construction Documents Drawings as described below:

The following are RFI's with answers:

The RFI's are verbatim from the individual/company asking and text is in black. The response is in blue

- 1) The title 24 document calls for HERS compliance verifications of a traditional heat-pump system. It seems the mechanical plan does not have a heat pump, but rather an ERV, dehumidifier, and 30kW electric strip heating. The system is ventilation, dehumidification, and electric resistant heat – has this system type been verified through the California Energy Commission and Title 24 standards? Typically, we have seen electric resistance heaters as not allowed as primary source of space heating (I've contacted the T24 hotline and awaiting response – I found an exception for electric resistance when used with energy recovery devices) **Response: The T24 sheets revised, For ERV/HRV systems you will need to meet the requirements of Section 150.0(m)12 and 150.0(o).**
- 2) Can the dehumidifier duct routing diagram be explained? It seems there is dehumidifier connecting duct to return side of ERV duct, but no supply duct to dehumidifier. Is dehumidifier supply air from vented attic space? **Response: Connect Humidifier to the supply duct, provide indoor air return duct and grille. Install per manufactures requirements.**
- 3) It seems the total airflow is in the range of 2,500 CFM although after reviewing ERV product submittal sheets the external static pressure and deliverable airflow seems that the maximum possible will be 1,500 CFM (0.0 ESP). **Response: Install 2 ERV per building to meet the required load and maximize efficiency.**
- 4) There is no manufacture and model specified for the 30kW electric strip resistance heater (the attached spec-sheet binder has a suggested electric resistance heater for use with the RenewAire 1.5XINH ERV, although with estimated airflow we are not within safe range). Per standards, a maximum of a 10kW heater for every 1000CFM is common to maintain close to a +15 degree discharge temperature as specified by ASHRAE standards. I'm currently calculating a 60 degree temp rise with 30kW on 1500CFM. 38 degree temperature rise at 2500 CFM. It is of concern that without sufficient airflow over the electric strip the limit switch will be tripped regularly and will have short service life. **Response: Duct Heater is an option provided by RenewAire, EK-Series 15KW, 208/1**
- 5) The title 24 calls for roof mounted heat pumps. The mechanical schedule only calls for ERV units with duct heaters, which are not sufficient to heat this size of space. We've had a couple HVAC subs come to us stating that this system would only be large enough to heat a single bathroom. What was the intention for HVAC? Please specify the equipment for the forced air system. **Response: refer to revised drawings (drawings will be available March 17th)**

- 6) T-24 is calling for package heat pump on the roof. There is no schedule on what equipment is needed except the ERV. There is no schedule on which grilles are needed and there is no specs on thermostats.
Response: refer to revised drawings (drawings will be available March 17th)

Please sign this addendum in the space provided and include the signed copy of the addendum with your bid documents. **NOTE THAT BID DOCUMENTS SUBMITTED WITHOUT A SIGNED COPY OF THIS ADDENDUM MAY BE CONSIDERED NON-RESPONSIVE AND MAY BE REJECTED.**


_____ Date March 14, 2022
Morgan Ellig, Project Manager/Designer at K.Boodjeh Architects

The undersigned has received and read this addendum.

Contractor

Signature

Name (Printed)_____

Date_____