

# Habitat for Humanity HVAC Subcontractor Sheet

Build Address:

Per funding requirements, Habitat for Humanity respectfully requests that the following conditions be met. Preference for the ACCA/Advanced Energy QA Contractor credential is hereby stated; credentialed contractors within a reasonable distance of potential project areas – listed below – are included in this bid solicitation process.

## IF INSTALLING FURNACE

- Please select heating equipment that DOES NOT EXCEED 140% of total heat loss (as determined by attached Manual J, calculated according to funding requirements), 200% if paired with cooling components.
- Installed filters must be MERV 6 or better.
- Heating equipment must be listed in the AHRI-certified online database (<https://www.ahridirectory.org>).
- Furnace minimum 95% AFUE; Boiler minimum 90% AFUE.

## IF INSTALLING COOLING SYSTEM

- Please select cooling equipment that DOES NOT EXCEED 130% for single-speed compressor, 140% for two-speed compressor or 160% for variable-speed compressor.
- Cooling equipment must be listed in the AHRI-certified online database (<https://www.ahridirectory.org>).
- A/C minimum 13 SEER.

## IF INSTALLING WHOLE-HOUSE VENTILATION SYSTEM

- Ventilation system must provide fresh air according to MN Energy Code 1322 (2015) requirements.
- Provide documentation with the programmed airflow and run times.
- If utilizing HVAC fan, specified fan must be ECM OR controls will reduce standalone ventilation run-time during HVAC operation.

## IF INSTALLING DUCT SYSTEM FOR HEATING, COOLING OR VENTILATION

- All boots must be sealed to subfloor or ceiling.
- ANY UNDERCOUNTER SUPPLIES must be hard-ducted TO THE KICKPLATE.
- Ducts must be sealed at all seams, elbows and transitions.
- **DUCT SYSTEM WILL BE TESTED FOR AIR TIGHTNESS.**
  - This applies to the TOTAL leakage – which includes ducts located inside conditioned space – and leakage to outside. **This applies even if ALL ducts are located in conditioned space.**
  - Total leakage cannot exceed 8 CFM per 100 SF of floor space; outside leakage cannot exceed 4 CFM per 100 SF of floor space.
- **System can be pre-tested at rough in** if desired.

## IF INSTALLING POINT-SOURCE VENTILATION

- Kitchen range hood must be exterior-vented and will be tested for rated airflow.
- Bath fans must be ENERGY STAR rated and will be tested for rated airflow.

## GENERAL

- Contractor may be provided the Manual J OR may elect to complete in-house.
- Contractor may be provided the ENERGY STAR for Homes HVAC Design Report OR may elect to complete.
- Contractor will be provided the ENERGY STAR for Homes HVAC Commissioning Checklist.
- Interior caulks and sealants must be low/no volatile organic compound (VOC) within the limits listed on the reverse of this sheet.
- This sheet should be signed by the accepted bidder, and collected by the affiliate.

**Thank you very much for your cooperation.**

CONTRACTOR INITIALS \_\_\_\_\_ BY \_\_\_\_\_ DATE \_\_\_\_\_

## VOC Limits Table

Adhesive/sealant	Not to exceed, gm/ltr	Adhesive/sealant	Not to exceed, gm/ltr
Indoor carpet adhesives	50	Ceramic tile adhesives	65
Carpet pad adhesives	50	VCT and asphalt tile adhesives	50
Outdoor carpet adhesives	150	Dry wall and panel adhesives	50
Wood flooring adhesive	100	Cove base adhesives	50
Rubber floor adhesives	60	Multipurpose construction adhesives	70
Subfloor adhesives	50	Structural glazing adhesives	100

HVAC Company	Base City	Phone	Habitat service county - required bid
The McBride Company Inc	Prior Lake	(952) 447-8124	Twin Cities
B & C Plumbing, Inc	Hutchinson	(320) 234-6900	McLeod, Meeker, Renville, Sibley
Silver Tree Plumbing and Heating	Saint Paul	(651) 319-4200	Twin Cities
Binder Heating & Air Conditioning Inc.	South St Paul	(651) 457-8781	Twin Cities
The Heating Guy	Minneapolis	(612) 554-9251	Twin Cities
Massmann Geothermal & Mechanical, LLC	Zimmerman	(763) 389-0376	Benton, Stearns, Mille Lacs, Isanti
7 Metro Heating & Air Conditioning	Ham Lake	612-554-1988	Twin Cities
Optimum Mechanical Systems	Little Canada	(651) 429-2302	Twin Cities
Go Fetsch Mechanical, LLC	Saint Paul	(651) 462-3601	Twin Cities
Greeley Plumbing Heating & A/C, LLC	Alexandria	320-763-7333	Douglas, Stearns, Pope, Stevens, Grant, Otter Tail, Todd
KB Mechanical, Inc.	Mounds View	763-742-4588	Twin Cities
Voss Plumbing and Heating of Paynesville, Inc.	Paynesville	320-243-3644	Stearns, Meeker, Kandiyohi, Pope
Perfection Heating and Air Conditioning	Maplewood	651-777-7620	Twin Cities
Heating & Cooling Two	Maple Grove	763-428-3677	Twin Cities
Larson Plumbing & Heating, Inc.	Andover	763-427-7680	Isanti, Sherburne, Chisago
Cliff Solem & Son, LLC	Duluth	218-721-4477	Duluth Area
J-Berd Mechanical Contractors, Inc.	Saint Cloud	320-656-0847	Stearns, Sherburne, Benton, Morrison
Heating & Cooling Design, Inc.	Blaine	612-328-7172	Twin Cities