

# WINDOW UNITS

## TECHNICAL SPECIFICATIONS

- A. Product information. Bidders shall submit with this bid technical specifications for Window AC Units included in this specification, bidder's submission must include warranty information, a 1-800 service number for the use of clients and/or agency staff and documentation that the proposed product meets minimum EER/COP requirements.
  
- B. Product Installation. All equipment shall be installed as recommended by the manufacturer to meet the intent of the application. Window AC units must be braced with metal bracing and bolted (with one way bolts) to the dwelling. AC installation and/or service are to include testing of system to ensure proper performance. Installation to include the unit, installation to meet proper Code restrictions, removal of old unit, and properly recapturing Freon and disposed of properly. All units must be air sealed, insulated and installed to ensure proper condensation drainage. New units must have side panels to insure no excessive air into the house.
  
- C. All units must be Energy Star Rated! **Any additional repairs, replacement, size changes must be authorized by BVCAA Inc. before contractor can proceed.**
  
- D. Disposal of old unit included in price

	Appliance	Materials	Labor	Total
1	Window AC Repair (Labor Only hourly rate)			
2	Install 6,000 BTU Energy Star (disposal included)			
3	Install 8,000 BTU Window AC unit, Energy Star Rated (disposal included)			
4	Install 10,000 BTU Window AC unit, Energy Star Rated (disposal included)			
5	Install 12,000 BTU Window AC unit, 110 Volt Energy Star Rated (disposal included)			
6	Install 15,000 BTU Window AC unit, 220 volt, Energy Star Rated			
7	Install 15,000 BTU Window AC unit, 110 volt, Energy Star Rated (disposal included)			
8	Install 15,000 BTU Window AC unit, 220 volt, Energy Star Rated			



# SPACE HEATERS

## TECHNICAL SPECIFICATIONS

- A Product information. Bidders shall submit with this bid technical specifications for Space Heaters and must be included in this specification. Bidder's submission must have warranty information, a 1-800 service number for the use of clients and/or agency staff and documentation that the proposed product meets minimum efficiency requirements.
- B Space heaters installed pursuant to this solicitation must have a standing pilot, Oxygen Depletion Sensor System (ODS) with automatic shutoff and thermostatic temperature control.
- Primary space heater must be VENTED(through wall or roof)
  - Wall / Floor Furnaces and Vented Space Heaters (Gas Only) AFUE = .80.
  - Un-vented Space Heaters (Gas Only) AFUE = .92.
  - No Kerosene Space Heaters allowed!
  - Disposal of old unit included in price
- C Product Installation. All equipment shall be installed as recommended by the manufacturer to meet the intent of the application. All units must be installed to meet Code restrictions. Space heaters must be placed on a floor stand and installed to be level. An approved space heater connector and gas cock must be included with each space heater installation. Installation to include new unit, removal/disposal of old unit, and instruction to client as to heater operation, including lighting instructions, and demonstration. A carbon monoxide test must be conducted and the results of same provided to the agency for every space heater installed pursuant to this solicitation.
- D All units must be Energy Star Rated! **Any additional repairs, replacement, size changes must be authorized by BVCAA Inc. before contractor can proceed.**

	Appliance	Materials	Labor	Total
1	Install 6,000 BTU Unvented Hi-Efficiency Space Heater (disposal included)			
2	Install 10,000 BTU Unvented Hi-Efficiency Space Heater (disposal included)			
3	Install 35,000 BTU <u>VENTED</u> Hi-Efficiency Space Heater (disposal included)			
4	Install 24,000 BTU <u>VENTED</u> Hi-Efficiency Space Heater (disposal included)			
5	Install 20,000 BTU <u>VENTED</u> Hi-Efficiency Space Heater (disposal included)			

	<b>Appliance</b>	<b>Materials</b>	<b>Labor</b>	<b>Total</b>
6	Install gas cock or cap			
7	Install 35,000 BTU, Wall furnace (gravity flow) (Disposal included) Vented			
8	Install 55,000 BTU, Wall furnace (gravity flow)			
9	Install heater base/stand			
10	Install gas flex connector (each)			
11	Disable/dispose of old space heater			
	<b>This price is for removal only.</b>			
	NO NEW UNIT PLACED			
12	Clean space heater			
<b>Total for Space Heaters</b>				

**Notes:**

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# WATER HEATERS

## TECHNICAL SPECIFICATIONS

- A Product information. Bidders shall submit with this bid technical specifications for Water Heaters and must be included in this specification. Bidder’s submission must have warranty information, a 1-800 service number for the use of clients and/or agency staff and documentation that the proposed product meets minimum efficiency requirements.
- B Product Installation-Gas water heaters must be placed to city or local codes. An approved gas cock must be included with each water heater installation. Proper ventilation must be addressed for combustion units. Installation must include new unit, removal/disposal of old unit, and instructions to client as to water heater operation, including lighting instruction, and demonstration. A carbon monoxide test must be conducted and results of provided to the Agency for every water heater installed pursuant to this solicitation.
- C Equipment must meet energy efficiency standards
- Gas EF = 0.5 to 0.6

TIM Venting will be addressed separately on a as need basis!

- E **Any additional repairs, replacement, size changes must be authorized by BVCAA Inc. before contractor can proceed.**
- Disposal of old unit included in price

	Appliance	Materials	Labor	Total
1	Install 30 gallon Natural gas water heater Flex lines included (disposal included)			
2	Install 40 gallon Natural gas water heater. Flex lines included (disposal included)			
3	Install 30 gallon Propane water heater. Flex lines included (disposal included)			
4	Install 40 gallon Propane water heater Flex lines included (disposal included)			
5	Install water heater pan (only)			
6	Install copper flex lines (ea)			
7	Install 3” Double Wall vent pipe (ft)			
8	Install 40 gallon HEAT Pump Water Heater			



# Insulation

**Note** Product installation in the attic must include Attic tag, baffling, channeling, and abatement of insulation when required or needed. Price will include weather-stripping and insulating attic hatch and pull down stairs.

	Item	Materials	Labor	Total
1	Insulation - Cellulose for Wall or R-13 (per SF) dense pack Include labor, material. (holes must be plugged, glued and painted)			
2	Insulation - Fiberglass for Attic Blown R-11 (per SF) Include labor, material, blocking of heat sources, and attic hatch baffling			
3	Insulation - Fiberglass Attic Blown R-19 (per SF) Include labor, material, blocking of heat sources, and attic hatch baffling			
4	Insulation - Fiberglass Attic Blown R-30 (per SF) Include labor, material, blocking of heat sources, and attic hatch baffling			
5	Insulation - Fiberglass Attic Blown R-38 (per SF) Include labor, material, blocking of heat sources, and attic hatch baffling			
6	Batt Insulation Fiberglass R-11 (per SF)			
7	Batt Insulation Fiberglass R-19 (per SF)			
8	Batt Insulation Fiberglass R-30 (per SF)			
9	Batt Insulation Fiberglass R-38 (per SF)			
10	Floor Insulation installing Batts (per SF) Labor only			
11	Netting Material to secure floor insulation (SF)			
12	Attic Tent for Pull down stairs			
13	Blocking around existing venting			
14	Attic Hatch Blocking			





# WEATHERIZATION AIR INFILTRATION MATERIALS

	Measure	Materials	Labor	Total
1	25 year Caulk ASTM C669-00 (tube)			
2	Foam, canned (can)			
3	Foam, weather stripping (ft)			
4	Silicone Jamb up (per door)			
5	Door Sweep (per door)			
6	Saddle Threshold (ea)			
7	Switch/Outlet gaskets ASTM C509-00 (ea)			
8	Switch/Outlet covers (ea)			
9	½" Sheetrock (sf)			
	Labor includes tape and float			
10	Water resistant Sheetrock (sf)			
	Labor includes tape and float			
11	ONLY Tape and Float (ft)			
	(Existing sheetrock)			
12	Sheetrock patch Not to Exceed 8sq. Ft			
	(include tape and float no paint)			
13	Sheetrock patch Not to Exceed 16 sq. Ft.			
	(include tape and float no paint)			
14	Attic Hatch-Trim, board,			
	Insulation, Weather stripping (complete)			
	(Charged only when not insulating attic).			
15	Attic Pull-Down Stairs, with trim			
	Insulation, Weather stripping (complete)			
16	Seal down/insulating existing Window A/Cs and			
	Weather-stripping (ea)			
17	Door Stop			







# LUMBER AND ACCESSORIES

	Measure	Materials	Labor	Total
1	½ Plywood (4' x 8' sheet)			
2	½ Plywood (4' x 8' sheet) treated			
3	¾ Plywood (4' x 8' sheet)			
4	¾ Plywood (4' x 8' sheet) treated			
5	T-111 Siding (4' x 8' sheet)			
6	Lap Siding (8" x 10')			
7	Lap Siding (8" x 12')			
8	OSB (4' x 8' sheet)			
9	Paneling (4' x 8' sheet)			
10	¾ Round x 8 ft			
11	1"x2" x 8ft			
12	1"x4" x 8ft			
13	1"x6" x 8ft			
14	2"x4" x 8ft			
15	1"x4" x 8ft treated			
16	1"x6" x 8ft treated			
17	2"x4" x 8ft treated			
18	2"x6" x 8ft treated			
18	Window Sill			
19	Gallon of White latex Paint (preserve lumber)			
20	Floor Patch per square foot (Floor covering not included)			



## MISCELLANEOUS

	Measure	Materials	Labor	Total
1	Smoke Alarm (Plug In Battery backup )			
2	Carbon Monoxide Detector Plug In (Battery backup)			
3	Carbon Monoxide Detector/Smoke Alarm Plug In Combo (Battery back up)			
4	Clean/Service Cook Stove and Oven			
5	Replace Cook Stove (Gas) w/o clock			
6	Replace Cook Stove (Gas) with clock			
7	Mobile Home Roof Sealant (per SF)			
8	Gable Vent (12" x 12")			
9	Gable Vent (12" x 18")			
10	Gable Vent (12" x 24")			
11	Soffit Vent (6" x 12")			
12	Gravity Flow Vent			
13	Mobile Home/ House Skirting (Lft.) (material verification required)			
14	Labor Rate for LEAD base paint preparation and cleanup			
15	LEAD Equipment Charge.			
16	Labor to install Compact Florescent Light Bulb			
17	Labor to install Shower Head			
18	Install Mechanical Venting Bathroom (ASHRAE 62.2-2010) (1 sone or less)			
19	Install Mechanical Venting Kitchen (ASHRAE 62.2-2010) (1 sone or less)			







# Totals

Please place the totals from the previous sections in the spaces provided below

Window Units	Total
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Space Heaters	Total
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Water Heaters	Total
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Insulation	Total
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Air Infiltration	Total
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Door Repairs	Total
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Windows	Total
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Lumber and Accessories	Total
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Miscellaneous	Total
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Roofing and Supplies	Total
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<b>Total Price (All sections combined)</b>	<b>\$</b>
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Contractor Signature: \_\_\_\_\_ Date: \_\_\_\_\_