### WINDOW UNITS

#### TECHNICAL SPECIFICATIONS

- A. Product information. <u>Bidders shall submit with this bid</u> 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 <u>braced with metal bracing and bolted (with one way bolts) to the dwelling</u>. 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. <u>All units must be air sealed, insulated and installed to ensure proper</u> 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

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	Appliance	Materials	Labor	Total
				•
1	Window AC Repair (Labor Only hourly rate)			
2	In stall 6 000 DTH Energy, Stan		1	1
2	Install 6,000 BTU Energy Star (disposal included)			
	(disposai included)		ļ	
3	Install 8,000 BTU Window AC unit, Energy Star Rated			
3	(disposal included)			
	(disposal included)			
4	Install 10,000 BTU Window AC unit, Energy Star Rated			
•	(disposal included)			
	,		<u> </u>	1
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			

	Appliance	Materials	Labor	Total
9	Install 18,000 BTU Window			
	AC unit, 220 volt, Energy Star Rated			
	(disposal included)			
10	Install 18,000 BTU Window (Heat Pump)			
	AC unit, 220 volt, Energy Star Rated			
	(disposal included)			
11	Install 24,000 BTU Window			
	AC unit, 220 volt, Energy Star Rated			
	(disposal included)			
12	Install 24,000 BTU Window (Heat Pump)			
	AC unit, 220 volt, Energy Star Rated			
	(disposal included)			
13	Install AC Side Panels/Insulation for existing units			
14	Seal and Insulate existing A/C (side panels)			
	Total for Window Units			
	Notes:			

### **SPACE HEATERS**

#### TECHNICAL SPECIFICATIONS

- A Product information. <u>Bidders shall submit with this bid</u> 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
	Аррпансс	Materials	Labor	Total
1 I	Install 6,000 BTU			
τ	Unvented Hi-Efficiency Space Heater			
(	(disposal included)			
2 I	Install 10,000 BTU			
τ	Unvented Hi-Efficiency Space Heater			
(	(disposal included)			
_				•
3   I	Install 35,000 BTU			
<u> </u>	VENTED Hi-Efficiency Space Heater			
(	(disposal included)			
_				
I	Install 24,000 BTU			
7	VENTED Hi-Efficiency Space Heater			
(	(disposal included)			
_				
I	Install 20,000 BTU			
7	VENTED Hi-Efficiency Space Heater			
(	(disposal included)			

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

### WATER HEATERS

#### TECHNICAL SPECIFICATIONS

- A Product information. <u>Bidders shall submit with this bid</u> 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)			
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5	Install water heater pan (only)			
			Ţ	
6	Install copper flex lines (ea)			
			Ī	
7	Install 3" Double Wall vent pipe (ft)			
	<b>-</b>		ı	
8	Install 40 gallon HEAT Pump Water Heater			

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	Install water heater pop off and piping		
_			
) ]	Install 30 gallon Electric water heater		
]	Flex lines included (disposal included)		<u> </u>
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	Install 40 gallon Electric water heater		
]	Flex lines included (disposal included)		
ŗ	Total for Water Heaters		
]	Notes:		
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## **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)			
	<u>,                                      </u>			
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			
				<del></del>
4	Insulation - Fiberglass Attic Blown R-30 (per SF)			
	Include labor, material, blocking of heat sources,			
	and attic hatch baffling			
_				1
5	Insulation - Fiberglass Attic Blown R-38 (per SF)			
	Include labor, material, blocking of heat sources,			
	and attic hatch baffling			
_	Dett Level de la Ethander D. 11 (non CE)			1
6	Batt Insulation Fiberglass R-11 (per SF)			
7	Batt Insulation Fiberglass R-19 (per SF)			
/	Batt hisulation Proceguess K-19 (per Sir)			
8	Batt Insulation Fiberglass R-30 (per SF)			
o	Datt insulation i foetglass R-50 (per 51)			
9	Batt Insulation Fiberglass R-38 (per SF)			
	Dute insulation i roofglass it so (per 51)			
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			
	-			•

Total for Insulation		
Notes:		

# WEATHERIZATION AIR INFILTRATION MATERIALS

	Measure	Materials	Labor	Total
1	25 year Caulk ASTM C669-00 (tube)			
2	Foam, canned (can)			
		T		
3	Foam, weather stripping (ft)			
4	Silicone Jamb up (per door)			
•	omeone vame up (per ucor)			
5	Door Sweep (per door)			
		T		
6	Saddle Threshold (ea)			
7	Switch/Outlet gaskets ASTM C509-00 (ea)			
,	Switch outlet glokets 7 by 1 vi (ca)			
8	Switch/Outlet covers (ea)			
		T		
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			
12	(include tape and float no paint)			
	Control of Property and the Property of Pr			
13	Sheetrock patch Not to Exceed 16 sq. Ft.			
	(include tape and float no paint)			
1 /1	Attic Hatch-Trim, board,	<u> </u>		
14	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			
10	Weather-stripping (ea)			
17	Door Stop			

Total for Misc. Air Infiltration		
Notes:		
Notes:		

## **DOOR REPAIR**

	Measure	Materials	Labor	Total
1	Hinge 3 ½ (set of 3)			
2	Hinge 4 (set of 2)			
		· -	<u>'</u>	· · · · · · · · · · · · · · · · · · ·
3	Key-alike Combination entry/deadbolt lockset			
4	Wide Angle Peephole (200 Degree)			
5	Sealer for door (gallon)			
6	Heavy Duty Strike Plate			
7	Install door Kick Plate			
8	Door Trim			
9	Drip Cap			
10	Labor to repair/rehang			
	Total for Doors	T	T	T
	Notes:			

## **WINDOWS**

### \*Note: United Inch is Length plus Width

	Measure	Materials	Labor	Total
1	Replacement Glass Single Pane			
	(United Inch)			
2	Storm Window			
	(United Inch)			
3	Solar Screens (per united inch)			
	Window Glazing	Ι		1
+	Willdow Grazing			
5	Window Trim			
6	Window Repair			
7	Sliding glass door track/latch			
	Total for Windows			
	Notes			
				_

# **LUMBER AND ACCESSORIES**

	Measure	Materials	Labor	Total
1	½ Plywood (4' x 8' sheet)			
2	½ Plywood (4' x 8' sheet) treated			
3	<sup>3</sup> / <sub>4</sub> Plywood (4' x 8' sheet)			
		<u>'</u>		
4	3/4 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)	<u> </u>		
		I		
9	Paneling (4' x 8' sheet)			
10	3/4 Round x 8 ft			
11	1"x2" x 8ft			
12	1"x4" x 8ft			
13	1"x6" x 8ft	1		
13				
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)			
	(1 1001 00 totaling not included)	I	l	

Total for Lumber & Accessories		
Notes		
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## **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)			

20	Fire Place Plug		
21	Water Heater Pipe Insulation 6 Feet		
		1	
22	Service existing exhaust fan		
23	Venting exhaust Fan	Ī	
23	Venting exhaust Pan		
24	Electrical Repair		
	Total for Miscellaneous		
	Notes		

# **ROOFING AND SUPPLIES**

	Measure	Materials	Labor	Total
1	Roof replacement per square (Complete, 20 year warranty) (shingles, felt, disposal and flashing, drip cap)			
2	Roof patch per Square			
3	Replace Felt per Square	Ι		
3	Replace Pelt pel Squale			
4	Remove each additional layer of shingles after first (ea)			
5	Replace decking (SF)			
6	Roof Flashing (sf)			
7	Roof Drip cap (ft)			
	Total for Roofing & Supplies			
	Notes			

## **Totals**

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

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