

Section #5 - Base load NEAT/MHEA Setup Library Measures & Supply Measures - All work must meet SWS minimum standards.

HVAC

General Exhaust Ductions

SWS Link

[6.0201 Exhaust Systems](#)

Measure Description	Unit	Price	Instruction
Exhaust Duct only Note: Any units such as Bath Fans, Range Hoods or other where duct work is part of the installation and will comply with this specification.	EA	4" \$14 PER FT	6' 15 PER

HVAC

Bath Fans

Must have power switch for fan separate from light.

Measure Description	Unit	Price	Instruction
Bath Fan - Replace existing with ASHRAE 62.2, (Panasonic WhisperGreen #FV-0511VK2 or Equal including multispeed module with High/Low Delay Timer) Existing wiring.	EA	742	
Bath Fan - Install new ASHRAE 62.2, (Panasonic WhisperGreen #FV-0511VK2) With new wiring.	EA	912	

HVAC

Appliance Exhaust Vents, Dry Vents, Range Hoods

SWS Link

[6.0202.1 Clothes Dryer](#)

Measure Description	Unit	Price	Instruction
Dryer Vent - Hood Only	EA	48	
Dryer Vent - Duct Only (Rigid duct)	EA	10 PER FT	
Dryer Vent - Complete, replacement, (Rigid duct)	EA	48 AND 10 PER FT	

SWS Link

[6.0201.2 Kitchen Range Hoods](#)

Measure Description	Unit	Price	Instruction
Range Hood - Hood Only w/ Damper (Rigid Metal) duct to outside or per spec.	EA	16 PER FT	
Range Hood - Replace existing range hood with ASHRAE 62.2, (Air King ECQ303 or Equal) Existing wiring.	EA	976	
Range Hood - Install new ASHRAE 62.2, (Air King ECQ303 or Equal) With new wiring	EA	1675 + DUCT	

HVAC

Whole House Ventilation

per ASHRAE 62.2, 2013 Appendix A

SWS Link

[6.0303.1 HRV/ERV Installation](#)

Measure Description	Unit	Price	Instruction
Install Whole House Ventilation, Residential ERV or HRV system, to include wiring. Should be capable of at least 40 to 100 CFM air flow adequate for ASHRAE 62.2 compliance. Give Spec's with your price.	EA	2678	

Inline Venting

SWS Link

[6.03 Inline \(All Building Types\)](#)

Measure Description	Unit	Price	Instruction
Install - Fantech fan (FG 4XL), 4" insulated duct connected to cold air return with backdraft damper, vent hood, and on switch with timer setting.	EA	1485	

Section #2 - Water Heating - HVAC All work must meet SWS minimum standards.

Heat Pump Water Heater

SWS Links

7.0302.3 Heat Pump Storage Tank Water Heater

DHW replacement requirements

Replacements shall include the removal of existing tank, proper disposal of all materials off-site (excluding asbestos) and installation of new tank-type water heater. Installation of new water heater will be in accordance with manufacturer's instructions, trade practices and applicable codes. Unit price will include electrical supply control wiring, gas piping, temperature and pressure check and adjustment, vent connections and water connections. Price will also include a code approved chimney liner installed to correct venting for DHW tank (if applicable).

Contractor/ Installer Requirements

A copy of the permit, (not the application) must be submitted with final invoice for payment. Contractor must place on the appliance (in plain view) a sticker indicating the name and phone number of the contractor, date of installation, and a certification that the system was installed in accordance with governing code requirements.

Labor warranty and client education

Warranty information and operating instructions must be provided to the occupant and/or homeowner indicating a minimum 18 month labor warranty. The contractor shall also give the client/homeowner operating, care and maintenance instruction of the newly installed water heater.

Manufacturer Information

Contractor is required to list brand names, model or type, and specific rated Energy Factor on this form.

Permits & Fee Costs

Pricing will also include permits and /or related fees that would be incurred.

Permits

Mechanicals permits per local code requirements. Contractor is responsible for contacting local inspection code official to schedule final inspection for approval. Contractor is responsible for corrections required for code compliances within 10 business days or before after inspection.

Measure Description	40 Gallon HPWH	50 Gallon HPWH	60 Gallon HPWH
Unit	Ea	Ea	Ea
Price		3408	3335
Input kBTU			37992
Manufacturer	Rheem	NAVIEN	NAVIEN
Model #	YEHOT10H22U1	NWP500	NWP-500-65
Energy Factor		3.83	3.85
Recovery Efficiency		50	65
			80

Measure Description	Chimney Liner	Roof Jack Replacement	Vent Duct/Pipe
Unit	LF	Ea	LF
Price		35 N/A	16

Section 9 - Air Sealing, Windows & Doors - All work must meet SWS minimum standards.

Window Sealing

SWS Link

3 0231.1 Window Air Sealing

Measure Description	Unit	Price	Instruction
Replace Glass per Sq. Inch	SF		

Storm Windows - Exterior

SWS Link

3 0201.7 Storm Windows

Measure Description	Unit	Price	Instruction
Install new. Includes prep, Metal or vinyl framed, single pane, operable storm.	SF		

Window Replacements

SWS Link

3 0202.9 Window Replacements

Measure Description	Unit	Price	Instruction
Install Replacement Style Window - Vinyl Thermal Low-E, per spec.	SF		

Exterior Door Replacements

SWS Link

3 0202.2 Exterior Doors

Measure Description	Unit	Price	Instruction
Install Install Pre-hung, steel insulated door, peep hole, & dead bolt lockset.	EA		

Exterior Door Repairs

Door operation and fit - Door will be adjusted to properly fit the jamb and allow for ease of operation (e.g., hinge replacement, re-plane door, door strike)

SWS Link

3 0202 Exterior Doors

Measure Description	Unit	Price	Instruction
Lockset without Deadbolt, Replaced	EA		
Lockset with Deadbolt, Replaced	EA		
Weather-strip top & sides	EA		
Door Bottoms - Boots or Sweeps	EA		
Cut down door (air flow or to fit better). Exterior or Interior	EA		

Attic Air Sealing - Hatches

All attic accesses must have the same R value of insulation as attic. Barrier must be made of strong material such as 1/2" plywood or OSB, unless roof is too close and will not accommodate. Attic Air Sealing - Hatches - All attic accesses must have the same R value of insulation as attic. Barrier must be made of strong material such as 1/2" plywood or OSB, unless roof is too close and will not accommodate.

SWS Link

3 0101.1 Attic Access Doors and Hatches

Measure Description	Unit	Price	Instruction
Attic Access - Existing opening, Weather-strip & Foam Insulation	EA		
Attic Access - Existing opening, Cut new hatch board, rework opening, Weather-strip & Foam Insulation	EA		
Attic Access - Build New complete, Weather-strip & Foam Insulation	EA		
Knee wall Door - New, W/S & Foam Insulation, with latch system	EA		
Knee wall Door - Rework existing, W/S & Foam, with latch system	EA		
Pull Down Stairs / Coffin - Build new wooden surround and lid, w/ foam insulation on top and sides	EA		

SWS Link

3 0202.3 Whole House Fan - Operation

Measure Description	Unit	Price	Instruction
Whole House Fan - Build air sealed and insulated box with easily opening cover	EA		

Bypass Air Sealing

SWS Link

3 0101 Air Sealing Holes

Measure Description	Unit	Price	Instruction
Air seal - Bottom of Stages, Under Knee wall, Balloon framing bypasses	LF		
Fireplace Plug - Air sealing - Fiberglass filled poly bag with Warning Tag or similar design to air seal (must be able to remove and reinstall easily)	EA		
Drywall, tape/mud to air seal, 1 coat, Up to 32 Sq Ft.	SF		
Drywall, tape/mud to air seal, 1 coat, 32 to 200+ Sq Ft.	SF		
Caulk (Cracks and small holes)	LF		
Fire Caulk (Chimneys, Vents & Flues)	LF		
Seal holes with rigid materials per this spec. (Up to 1 Sq Ft.)	EA		
Seal holes with rigid materials per this spec. (If over 1 Sq. Ft., Per Sq Ft.)	SF		
Recessed Light Retrofits (Halo model# RL502WH-R or similar)	EA		
Seal & Insulate Between 1st & 2nd Floor (Simple - Wood, Vinyl or Aluminum Siding with up to 2 substrates under siding)	LF		
Seal & Insulate Between 1st & 2nd Floor (Complex - Wood, Vinyl, Aluminum Siding or other with up to 3 substrates under siding)	LF		

Crawl Space

SWS Link

3 0101 Air Sealing Holes

Crawl Space Access - New

Measure Description	Unit	Price	Instruction
Insulated access panel, 3/4 Treated Plywood, 2 Zinc Barrel Bolts, W/S, Rigid Foam, R-19 + if has perimeter insulation, Frame opening with Treated 2x6, Size per spec.	EA		
Uninsulated access panel, 3/4 Treated Plywood, 2 Zinc Barrel Bolts, W/S, if does not have perimeter insulation, Frame opening with treated 2x6, Size per spec.	EA		

Crawl Space Access - Existing Opening

Measure Description	Unit	Price	Instruction
Insulated access panel, 3/4 Treated Plywood, 2 Zinc Barrel Bolts, W/S, Rigid Foam, R-19 + if has perimeter insulation, Existing opening meets spec. no framing needed, per spec.	EA		
Uninsulated access panel, 3/4 Treated Plywood, 2 Zinc Barrel Bolts, W/S, if does not have perimeter insulation, Existing opening meets spec. no framing needed, per spec.	EA		

Duct Sealing is unaccomplished again

All duct sealing will use mastic and may need fiberglass mesh tape to support mastic in non-rigid rimmed air flow to HVAC system

SWS Link

5 01 Forced Air Ducts

Measure Description	Unit	Price	Instruction
Duct Sealing - Sealing ducts with metal or mastic per this spec. Formula to calculate area of a round duct in Sq. Ft. is: Dia. Inches X 3.1416 = Circumference inches x Duct Length inches / 144 = SF of area, per spec.	SF	11	
Duct Sealing with Spray Polyurethane Foam, Formula to calculate area of a round duct in Sq. Ft. is: Dia. Inches X 3.1416 = Circumference inches x Duct Length inches / 144 = SF of area, 2" thickness, per spec.	SF	17	
Duct boot to interior surface, per spec., Continuous Sealant per 2012 IRC, R302.9, (Mastic or other per spec.)	EA	120	
Filter slot, per spec., A pre-manufactured or site manufactured durable filter slot cover or a durable magnetic type will be installed, per spec.	EA	149	

Blower Door Directed Air Sealing

Measure Description	Unit	Price	Instruction
Use Blower Door to guide Air Sealing to infiltration targets per work order	PER HOUR	350	

Appliance Replacement, Installation, & Recycling

Heat Pump Dryer

SWS Links

7.0105 Laundry

Measure Description	Price	ID	Instruction
Heat Pump Dryer	1402.8		Heat Pump Minimum Energy Star Rated Appliance. Existing appliance must be recycled. If replacing natural gas appliance, gas line must be capped by a qualified technician.
Washer + Heat Pump Dryer Combo	2491		Heat Pump Minimum Energy Star Rated Appliance. Existing appliance must be recycled. If replacing natural gas appliance, gas line must be capped by a qualified technician.

Electric Cooktop

Measure Description	Price	ID	Instruction
Radiant Cooktop	1039.95		Electric Co Minimum Energy Star Rated Appliance. Existing appliance must be recycled. If replacing natural gas appliance, gas line must be capped by a qualified technician.
Induction Cooktop	1581.5		Electric Co Minimum Energy Star Rated Appliance. Existing appliance must be recycled. If replacing natural gas appliance, gas line must be capped by a qualified technician.