

Measure Description	Unit	Price	ID
R-19	SF		2.35 Attic Insulation Unfinished Attic
R-30	SF		2.6 Attic Insulation Unfinished Attic
R-38	SF		2.9 Attic Insulation Unfinished Attic
R-49	SF		3.15 Attic Insulation Unfinished Attic
2x4	SF		4 Attic Insulation Unfinished Floored Attic
2x6	SF		4.5 Attic Insulation Unfinished Floored Attic
2x8	SF		5 Attic Insulation Unfinished Floored Attic
2x10	SF		5.5 Attic Insulation Unfinished Floored Attic
R-13	SF		3.6 Attic Insulation Knee Wall Insulation
R-19	SF		3.8 Attic Insulation Knee Wall Insulation
R-13	SF		3.25 Attic Insulation Knee Wall Insulation
R-19	SF		3.5 Attic Insulation Knee Wall Insulation
R-13 = 2" thick	SF		7 Attic Insulation Knee Wall Insulation
R-22.75 = 3.5" thick	SF		10 Attic Insulation Knee Wall Insulation
Tyvek	SF		2.25 Attic Insulation Knee Wall Insulation
Install Chutes or Baffle Vents at eave edges in attic, per spec.	EA		6 Attic Ventilation
Install Soffit Vents per spec.	EA		69 Attic Ventilation
Ridge vent	LF		25 Attic Ventilation
Gable vent	EA		160 Attic Ventilation
Roof Can - slant back 50 SI	EA		150 Attic Ventilation
Removal and disposal of ineffective insulation	SF		1.75 Attic Ventilation
Recessed Light Covers, Install action per spec.	EA		50 General Attic Preparation
Chimney & Combustion Flues	N/A		General Attic Preparation
R-10+ (2") SPF fire-rated Class I Ins	SF		9 Sill Insulation, "Sill Box, Rim Joist, Band Joist"
R-10+ (2") SPF fire-rated Class I Ins	SF		9 Foundation Wall Insulation
R-13, 2x4 Filled	SF		3 Wall Insulation
R-19, 2x6 Filled	SF		3.5 Wall Insulation
R-13, 2x4 Filled (Brick and interior blow)	SF		3.5 Wall Insulation
R-19, 2x6 Filled (Brick)	SF		4 Wall Insulation
2x4 Filled	SF		8 Wall Insulation
R-19	SF		3.25 Floor Insulation
R-30	SF		4.25 Floor Insulation
R-38	SF		4.75 Floor Insulation
R-19 @ 3.5" Thick	SF		11 Floor Insulation
R-30 @ 5" Thick	SF		13 Floor Insulation
R-38 @ 6" Thick	SF		14.5 Floor Insulation

R-19	SF	4.5 Floor Insulation
R-30	SF	5 Floor Insulation
R-38	SF	5.75 Floor Insulation
R-8+ Duct Insulation	SF	7 Duct Insulation, Rigid metal duct in unconditioned space
Replace Glass per Sq. Inch	SI	0.65 Window Sealing
Install new, includes prep, Metal or vinyl framed, single pane, operable :	SF	42 Storm Windows - Exterior
Install Replacement Style Window - Vinyl Thermal Low-E, per spec.	SF	89 Window Replacements
Install Install Pre-hung, steel Insulated door, peep hole, & dead bolt lock	EA	960 Exterior Door Replacements
Lockset without Deadbolt, Replaced	EA	100 Exterior Door Repairs
Lockset with Deadbolt, Replaced	EA	110 Exterior Door Repairs
Weather-strip top & sides	EA	110 Exterior Door Repairs
Door Bottoms - Boots or Sweeps	EA	60 Exterior Door Repairs
Cut down door (air flow or to fit better), Exterior or Interior	EA	150 Exterior Door Repairs
Attic Access - Existing opening, Weather-strip & Foam Insulation	EA	165 Attic Air Sealing - Hatches
Attic Access - Existing opening, Cut new hatch board, rework opening, w	EA	215 Attic Air Sealing - Hatches
Attic Access - Build New complete, Weather-strip & Foam Insulation	EA	300 Attic Air Sealing - Hatches
Knee wall Door - New, W/S & Foam Insulation, with latch system	EA	325 Attic Air Sealing - Hatches
Knee wall Door - Rework existing, W/S & Foam, with latch system	EA	320 Attic Air Sealing - Hatches
Pull Down Stairs / Coffin - Build new wooden surround and lid, w/ foam i	EA	395 Attic Air Sealing - Hatches
Whole House Fan - Build air sealed and insulated box with easily openin	EA	450 Attic Air Sealing - Hatches
Air seal - Bottom of Slopes, Under Knee wall, Balloon framing bypasses	LF	10 Bypass Air Sealing
Fireplace Plugs - Air sealing -Fiberglass filled poly bag with Warning Tag	EA	150 Bypass Air Sealing
Drywall, tape/mud to air seal, 1 coat, Up to 32 Sq.Ft.	SF	11 Bypass Air Sealing
Drywall, tape/mud to air seal, 1 coat, 32 to 200+ Sq.Ft.	SF	10 Bypass Air Sealing
Caulk (Cracks and small holes)	LF	2.75 Bypass Air Sealing
Fire Caulk (Chimneys, Vents & Flues)	LF	3 Bypass Air Sealing
Seal holes with rigid materials per this spec. (Up to 1 Sq.Ft.)	EA	30 Bypass Air Sealing
Seal holes with rigid materials per this spec. (If over 1 Sq. Ft., Per Sq.Ft.)	SF	4.5 Bypass Air Sealing
Recessed Light Retrofit (Halo model# RL560WH-R or similar)	EA	50 Bypass Air Sealing
Seal & Insulate Between 1st & 2nd Floor (Simple - Wood, Vinyl or Alumir	LF	40 Bypass Air Sealing
Seal & Insulate Between 1st & 2nd Floor (Complex - Wood, Vinyl, Alumii	LF	50 Bypass Air Sealing
Insulated access panel, 3/4 Treated Plywood, 2 Zinc Barrel Bolts, W/S, I	EA	300 Crawl Space
Uninsulated access panel, 3/4 Treated Plywood, 2 Zinc Barrel Bolts, W/	EA	245 Crawl Space
Insulated access panel, 3/4 Treated Plywood, 2 Zinc Barrel Bolts, W/S, I	EA	180 Crawl Space
Uninsulated access panel, 3/4 Treated Plywood, 2 Zinc Barrel Bolts, W/	EA	150 Crawl Space
Duct Sealing - Sealing ducts with metal or mastic per this spec. Formul	SF	8.2 Duct Sealing in unconditioned space
Duct Sealing with Spray Polyurethane Foam, Formula to calculate area	SF	12 Duct Sealing in unconditioned space

Duct boot to interior surface, per spec., Continuous Sealant per 2012 IRE	EA	27 Duct Sealing in unconditioned space
Filter slot, per spec. A pre-manufactured or site manufactured durable	EA	45 Duct Sealing in unconditioned space
Use Blower Door to guide Air Sealing to infiltration targets per work order	PERF	98 Blower Door Directed Air Sealing
6-9 Watt LED	EA	11 Lighting
8-12 Watt LED	EA	11.9 Lighting
9-13 Watt LED	EA	13 Lighting
14-20 Watt LED	EA	14.5 Lighting
20-28 Watt LED	EA	17 Lighting
11Watt Flood LED	EA	19 Lighting
15 Watt Flood LED	EA	19.7 Lighting
18 Watt Flood LED	EA	21.5 Lighting
Exhaust Duct only Note: Any units such as Bath Fans, Range Hoods or	EA	195 HVAC General Exhaust Ductions
Bath Fan - Replace existing with ASHRAE 62.2, (Panasonic WhisperGreen	EA	1150 HVAC Bath Fans
Bath Fan - Install new ASHRAE 62.2, (Panasonic WhisperGreen #FV-051	EA	1400 HVAC Bath Fans
Dryer Vent - Hood Only	EA	50 HVAC Appliance Exhaust Vents, Dry Vents, Range Hoods
Dryer Vent - Duct Only (Rigid duct)	EA	100 HVAC Appliance Exhaust Vents, Dry Vents, Range Hoods
Dryer Vent - Complete, replacement, (Rigid duct)	EA	150 HVAC Appliance Exhaust Vents, Dry Vents, Range Hoods
Range Hood - Hood Only w/ Damper (Rigid Metal) duct to outside or per	EA	100 HVAC Appliance Exhaust Vents, Dry Vents, Range Hoods
Range Hood - Replace existing range hood with ASHRAE 62.2, (Air King	EA	900 HVAC Appliance Exhaust Vents, Dry Vents, Range Hoods
Range Hood - Install new ASHRAE 62.2, (Air King ECQ303 or Equal) With	EA	1100 HVAC Appliance Exhaust Vents, Dry Vents, Range Hoods
Install Whole House Ventilation, Residential ERV or HRV system, to incl	EA	4500 HVAC Whole House Ventilation
Install - Fantech fan (FG 4XL), 4" insulated duct connected to cold air re	EA	950 Inline Venting
Crawl space or dirt floor ground cover, 6 mil, perm rating below 0.1, Visc	SF	1.35 Vapor Barriers Foundation floors and walls
Closed Crawl space wall "Vapor Retarder" perm of 1. or more	SF	1.35 Vapor Barriers Foundation floors and walls

Section 1 - Weatherization Insulation and SWS Specs

All work must meet SWS minimum standards

Attic Insulation

Unfinished Attic

Open blown cellulose (including chimney barriers, and SWS attic access barriers extending 4" above settled insulation, insulation markers every 300 sq ft, & flagging of junction boxes)

SWS Links

[4.0103.2 Accessible Attic - Loose Fill Installation](#)

[4.0103.4 Accessible Attic - Loose Fill Over Existing Insulation](#)

[4.0188.1 Radiant Barriers \(Chimney and Combustion Flue Vents\)](#)

[3.0102.1 Sealing Non-Insulation Contact \(IC\) Recessed Light](#)

Measure Description	Unit	Price
R-19	SF	2.35
R-30	SF	2.6
R-38	SF	2.9
R-49	SF	3.15

Unfinished Floored Attic

Blown Cellulose (including chimney barriers, and SWS attic access barriers extending 4" above settled insulation, insulation markers every 300 sq ft, & flagging of junction boxes)

SWS Links

[4.0103.6 Accessible Attic Storage Platform Floor—Dense Pack Insulation](#)

Measure Description	Unit	Price
2x4	SF	4
2x6	SF	4.5
2x8	SF	5
2x10	SF	5.5

Knee Wall Insulation

SWS Links

[4.0104.2 Knee Wall - Batt Insulation](#)

[4.0104.1 Knee Wall - Dense Packing](#)

[4.0104.5 Knee Wall - SPF With No Existing Insulation](#)

Measure Description	Unit	Price
R-13	SF	3.6
R-19	SF	3.8
R-13	SF	3.25

R-19	SF	3.5
R-13 = 2" thick	SF	7
R-22.75 = 3.5" thick	SF	10
Tyvek	SF	2.25

General Attic Preparation

SWS Links

[3.0102.1 Sealing Non-Insulation Contact \(IC\) Recessed Light](#)

Measure Description	Unit	Price
Recessed Light Covers, Install action per spec.	EA	50
Chimney & Combustion Flues	N/A	Include in Insulation Cost

Attic Ventilation

Measure Description	Unit	Price
Install Chutes or Baffle Vents at eave edges in attic, per spec.	EA	6
Install Soffit Vents per spec.	EA	69
Ridge vent	LF	25
Gable vent	EA	160
Roof Can - slant back 50 SI	EA	150
Removal and disposal of ineffective insulation	SF	1.75

Sill Insulation, "Sill Box, Rim Joist, Band Joist"

SWS Links

[4.0401 Band/Rim Joists Insulation](#)

Measure Description	Unit	Price
R-10+ (2") SPF fire-rated Class I ins	SF	9

Foundation Wall Insulation

SWS Links

[4.0402 Foundation/Crawl Space—Wall Insulation](#)

Measure Description	Unit	Price
R-10+ (2") SPF fire-rated Class I ins	SF	9

Floor Insulation

SWS Links

[4.03 Floor System](#)

Measure Description	Unit	Price
R-19	SF	3.25

R-30	SF	4.25
R-38	SF	4.75
R-19 @ 3.5" Thick	SF	11
R-30 @ 5" Thick	SF	13
R-38 @ 6" Thick	SF	14.5
R-19	SF	4.5
R-30	SF	5
R-38	SF	5.75

Wall Insulation

SWS Links

[4.02 Dense Pack Exterior Walls](#)

Measure Description	Unit	Price
R-13, 2x4 Filled	SF	3
R-19, 2x6 Filled	SF	3.5
R-13, 2x4 Filled (Brick and interior blow)	SF	3.5
R-19, 2x6 Filled (Brick)	SF	4
2x4 Filled	SF	8

Duct Insulation, Rigid metal duct in unconditioned space

SWS Links

[6.0302.1 Insulating Ducts](#)

Measure Description	Unit	Price
R-8+ Duct Insulation	SF	7

Section 3 - Air Sealing, Windows & Doors - All work must meet SWS minimum standards.

Window Sealing

SWS Link

[3.0201.1 Window Air Sealing](#)

Measure Description	Unit	Price
Replace Glass per Sq. Inch	SI	0.65

Storm Windows - Exterior

SWS Link

[3.0201.7 Storm Windows](#)

Measure Description	Unit	Price
Install new, includes prep, Metal or vinyl framed, single pane, operable storm.	SF	42

Window Replacements

SWS Link

[3.02019 Window Replacement](#)

Measure Description	Unit	Price
Install Replacement Style Window - Vinyl Thermal Low-E, per spec.	SF	89

Exterior Door Replacements

SWS Link

[3.0202.2 Exterior Doors](#)

Measure Description	Unit	Price
Install Install Pre-hung, steel Insulated door, peep hole, & dead bolt lockset.	EA	960

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
Lockset without Deadbolt, Replaced	EA	100
Lockset with Deadbolt, Replaced	EA	110
Weather-strip top & sides	EA	110
Door Bottoms - Boots or Sweeps	EA	60
Cut down door (air flow or to fit better), Exterior or Interior	EA	150

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

3.0103.1 Access Doors and Hatches

Measure Description	Unit	Price
Attic Access - Existing opening, Weather-strip & Foam Insulation	EA	165
Attic Access - Existing opening, Cut new hatch board, rework opening, Weather-strip & Foam Insulation	EA	215
Attic Access - Build New complete, Weather-strip & Foam Insulation	EA	300
Knee wall Door - New, W/S & Foam Insulation, with latch system	EA	325
Knee wall Door - Rework existing, W/S & Foam, with latch system	EA	320
Pull Down Stairs / Coffin - Build new wooden surround and lid, w/ foam insulation on top and sides	EA	395

SWS Link

3.0103.3 Whole-House Fan - Operable

Measure Description	Unit	Price
Whole House Fan - Build air sealed and insulated box with easily opening cover	EA	450

Bypass Air Sealing

SWS Link

3.010.1 Air Sealing Holes

Measure Description	Unit	Price
Air seal - Bottom of Slopes, Under Knee wall, Balloon framing bypasses	LF	10
Fireplace Plugs - Air sealing -Fiberglass filled poly bag with Warning Tag or similar design to air seal (must be able to remove and reinstall easily)	EA	150
Drywall, tape/mud to air seal, 1 coat, Up to 32 Sq.Ft.	SF	11
Drywall, tape/mud to air seal, 1 coat, 32 to 200+ Sq.Ft.	SF	10
Caulk (Cracks and small holes)	LF	2.75
Fire Caulk (Chimneys, Vents & Flues)	LF	3
Seal holes with rigid materials per this spec. (Up to 1 Sq.Ft.)	EA	30
Seal holes with rigid materials per this spec. (If over 1 Sq. Ft., Per Sq.Ft.)	SF	4.5
Recessed Light Retrofit (Halo model# RL560WH-R or similar)	EA	50
Seal & Insulate Between 1st & 2nd Floor (Simple - Wood, Vinyl or Aluminum Siding with up to 2 substrates under siding)	LF	40

Seal & Insulate Between 1st & 2nd Floor (Complex - Wood, Vinyl, Aluminum Siding or other with up to 3 substrates under siding).	LF	50
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Crawl Space

SWS Link

[3.0104 Foundation Spaces - Air Sealing Foundations](#)

Crawl Space Access - New:

Measure Description	Unit	Price
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 2x8 , Size per spec.	EA	300
Uninsulated access panel, 3/4 Treated Plywood, 2 Zinc Barrel Bolts, W/S, if does not have perimeter insulation, Frame opening with treated 2x8, Size per spec.	EA	245

Crawl Space Access - Existing Opening:

Measure Description	Unit	Price
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	180
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	150

Duct Sealing in unconditioned space

All duct sealing will use mastic and may need fiberglass mesh tape to support mastic to promote proper air flow by HVAC system.

SWS Link

[5.01 Forced Air Ducts](#)

Measure Description	Unit	Price
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	8.2
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	12
Duct boot to interior surface, per spec., Continuous Sealant per 2012 IRC, R302.9, (Mastic or other per spec.)	EA	27
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	45

Blower Door Directed Air Sealing

Measure Description	Unit	Price
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Use Blower Door to guide Air Sealing to infiltration targets per work order	PER HOUR	98
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Section #5 - Base load NEAT/MHEA Setup Library Measures & Supply
Measures - All work must meet SWS minimum standards.

Lighting

SWS Link

7.0103 Lighting

Measure Description	Unit	Price
6-9 Watt LED	EA	11
8-12 Watt LED	EA	11.9
9-13 Watt LED	EA	13
14-20 Watt LED	EA	14.5
20-28 Watt LED	EA	17
11Watt Flood LED	EA	19
15 Watt Flood LED	EA	19.7
18 Watt Flood LED	EA	21.5

HVAC

Whole House Ventilation

per ASHRAE 62.2, 2013 Appendix A

SWS Link

6.0303.1 HRV/ERV Installation

Measure Description	Unit	Price
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	4500

Inline Venting

SWS Link

6.03 Inline (All Building Types)

Measure Description	Unit	Price
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	950

LSW/RRP Control

Price includes all tape, trash bags, visqueen, coveralls, masks, & labor)

Measure Description	Unit	Price
Wall insulation (Sq ft pricing)	SF	1.15
Labor - Per Person Hour	HR	85

Vapor Barriers

Foundation floors and walls

SWS Link

[2.0202 Ground Moisture Barrier](#)

Measure Description	Unit	Price
Crawl space or dirt floor ground cover, 6 mil, perm rating below 0.1, Visqueen or equal per spec.	SF	1.35
Closed Crawl space wall "Vapor Retarder" perm of 1. or more	SF	1.35