

Below is an AACOG request for quote, please provide a quote in the yellow boxes below for the corresponding line item and allocations.

All materials must comply with Energy Star requirements, Appendix A Part 440 Standards for weatherization materials, and the manufacturer specifications. All work should conform to SWS (Standard Work Specifications), Texas Field Guide, EPA (Environmental Protection Agency), OSHA (Occupational Safety Hazard Administration), and any pertaining authority having jurisdiction.

SWS	Appendix A Part 440 Standards for Weatherization Materials	Texas Field Guide			
Item	Unit	Material \$	Labor \$	Total \$	Description
(Single Application Only, Re-Inspection otherwise already included)	EA				Electrical permit fee: Is the cost to pull an electric permit and pass inspection.
Cover Plate (Switch Or Plugs) (Size As Needed)	EA				<p><b>Installation Steps:</b></p> <p>Turn Off Power: Before starting, ensure the power to the switch or outlet is turned off at the circuit breaker for safety.</p> <p>Remove Existing Cover Plate: Use your screwdriver to carefully unscrew and remove the old cover plate. Keep the screws for reuse if they are in good condition.</p> <p>Clean the Area: Wipe down the switch or outlet area with a clean cloth to remove any dust or debris. This ensures a snug fit for the new cover plate.</p> <p>Align the New Cover Plate: Position the new cover plate over the switch or outlet. Ensure it is aligned properly and fits securely.</p> <p>Secure the Cover Plate: Using the screws you removed earlier, attach the cover plate by screwing it into place. Be careful not to overtighten, as this may crack the plate.</p> <p>Check Alignment: If you have a level, use it to ensure the cover plate is straight. Adjust as needed before fully tightening the screws.</p> <p>Restore Power: Once the cover plate is securely installed, turn the power back on at the circuit breaker.</p> <p>Final Check: Test the switch or outlet to ensure everything is functioning properly. Cover junction boxes and attach flag for visibility</p>
220V Single Receptacle Plate	EA				<p><b>Description: A 220V single receptacle plate is designed for use with 220V electrical outlets, typically for high-power appliances such as dryers, welders, or HVAC units.</b></p> <p><b>Requirements:</b></p> <p>Electrical Rating: Ensure the plate is rated for 220V and appropriate amperage (e.g., 20A, 30A) based on the appliance specifications.</p> <p>Material: Choose a durable, heat-resistant material, such as thermoplastic or metal, to withstand the demands of high-voltage applications.</p> <p>Size Compatibility: The plate should fit the specific size of the outlet box used in your installation. Standard sizes may vary, so verify measurements.</p> <p>Mounting Hardware: Ensure it comes with necessary mounting screws or purchase them separately if required.</p> <p>Grounding: Check for proper grounding features to ensure safety and compliance with electrical codes.</p> <p>Finish Options: Consider aesthetic preferences; plates are available in various finishes (e.g., white, ivory, stainless steel) to match your decor.</p> <p>Safety Certifications: Look for plates that meet relevant safety standards (e.g., UL listed) to ensure reliable performance.</p>
Electrical Outlet/Switch/Blank Cover (Size As Needed)	EA				<p><b>Electrical Outlet/Switch/Blank Cover includes:</b></p> <p>Turn Off Power: Before starting, ensure the power to the switch or outlet is turned off at the circuit breaker for safety.</p> <p>Remove Existing Cover Plate: Use your screwdriver to carefully unscrew and remove the old cover plate. Keep the screws for reuse if they are in good condition.</p> <p>Clean the Area: Wipe down the switch or outlet area with a clean cloth to remove any dust or debris. This ensures a snug fit for the new cover plate.</p> <p>Align the New Cover Plate: Position the new cover plate over the switch or outlet. Ensure it is aligned properly and fits securely.</p> <p>Secure the Cover Plate: Using the screws you removed earlier, attach the cover plate by screwing it into place. Be careful not to overtighten, as this may crack the plate.</p> <p>Check Alignment: If you have a level, use it to ensure the cover plate is straight. Adjust as needed before fully tightening the screws.</p> <p>Restore Power: Once the cover plate is securely installed, turn the power back on at the circuit breaker.</p> <p>Final Check: Test the switch or outlet to ensure everything is functioning properly.</p>
220V Single Receptacle					<b>220V Single Receptacle:</b> It provides one outlet for connecting a single appliance or device that requires a 220V power source. Code Compliance: Installation must comply with local electrical codes to ensure safety and proper operation.
110V Single Receptacle					<b>110 V Single Receptacle:</b> It provides one outlet for connecting a single appliance or device that requires a 110V power source. Code Compliance: Installation must comply with local electrical codes to ensure safety and proper operation.

3" X 3' Double wall vent pipe	EA			<p><b>Description:</b> A 3" x 3' double wall vent pipe is designed for venting gas appliances and ensuring safe exhaust of combustion gases. The double wall construction enhances safety and efficiency by providing insulation and reducing heat transfer to surrounding materials.</p> <p><b>Material:</b> The vent pipe should be made from durable, corrosion-resistant materials, such as stainless steel or galvanized steel, suitable for high-temperature applications.</p> <p><b>Diameter and Length:</b> Confirm that the dimensions are 3 inches in diameter and 3 feet in length to fit your specific installation needs.</p> <p><b>Compatibility:</b> Verify that the vent pipe is compatible with the type of appliance you are venting (e.g., gas water heater, furnace) and complies with local building codes.</p> <p><b>Sealing Mechanism:</b> Check for a reliable sealing mechanism (e.g., locking bands or gaskets) to ensure airtight connections at joints.</p> <p><b>Certification:</b> Look for products that meet industry standards and certifications (e.g., UL, CSA) for safety and performance.</p> <p><b>Installation Hardware:</b> Ensure you have the necessary installation accessories, such as brackets, clamps, and screws, for secure mounting.</p> <p><b>Vent Cap:</b> Consider whether a compatible vent cap is needed for the termination point to prevent debris and moisture from entering the pipe.</p>
4" X 3' Double wall vent pipe	EA			<p><b>4" X 3' Double wall vent pipe includes:</b> <b>Material:</b> The pipe should be constructed from durable, corrosion-resistant materials, such as stainless steel or galvanized steel, suitable for high temperatures.</p> <p><b>Diameter and Length:</b> Confirm the pipe is 4 inches in diameter and 3 feet in length, ensuring it fits your specific application.</p> <p><b>Compatibility:</b> Verify that the vent pipe is suitable for the type of appliance you are venting (e.g., gas furnace, water heater) and adheres to local building codes.</p> <p><b>Sealing Mechanism:</b> Check for secure locking mechanisms (e.g., bands or gaskets) to ensure airtight connections at joints and fittings.</p> <p><b>Certification:</b> Look for industry certifications (e.g., UL, CSA) that indicate compliance with safety and performance standards.</p> <p><b>Installation Hardware:</b> Ensure you have all necessary installation accessories, such as brackets, clamps, and screws, for proper mounting and support.</p> <p><b>Vent Cap:</b> Consider whether a compatible vent cap is required for the termination point to prevent debris and moisture ingress.</p>
3" Double wall elbow	EA			<p><b>3" Double wall elbow includes:</b></p> <p><b>Material:</b> The elbow should be constructed from durable, corrosion-resistant materials, such as stainless steel or galvanized steel, that are suitable for high-temperature applications.</p> <p><b>Diameter:</b> Ensure that the elbow has a 3-inch diameter to seamlessly fit into your existing venting system.</p> <p><b>Angle:</b> Verify the angle of the elbow (e.g., 90 degrees or 45 degrees) to meet your installation needs and allow for proper airflow.</p> <p><b>Compatibility:</b> Confirm that the elbow is compatible with the type of appliance and venting system you are using and that it adheres to local building codes.</p> <p><b>Sealing Mechanism:</b> Check for secure connections, such as locking bands or gaskets, to ensure an airtight fit between the elbow and other vent components.</p> <p><b>Certification:</b> Look for relevant safety and performance certifications (e.g., UL, CSA) to ensure reliability and compliance with industry standards.</p>
4" Double wall elbow	EA			<p><b>4" Double wall elbow includes- Material:</b> The elbow should be made from durable, corrosion-resistant materials, such as stainless steel or galvanized steel, suitable for high-temperature applications. <b>Diameter:</b> Ensure the elbow has a 4-inch diameter to fit properly within your existing venting system. <b>Angle:</b> Verify the angle of the elbow (commonly 90 degrees or 45 degrees) to meet your specific installation needs and facilitate proper airflow. <b>Compatibility:</b> Confirm that the elbow is compatible with your specific appliance and venting system, adhering to local building codes and manufacturer specifications. <b>Sealing Mechanism:</b> Ensure secure connections with features like locking bands or gaskets to create an airtight seal between the elbow and other vent components. <b>Certification:</b> Look for safety and performance certifications (e.g., UL, CSA) to ensure compliance with industry standards and reliability. <b>Installation Accessories:</b> Make sure you have all necessary installation hardware, such as clamps or screws, for secure mounting.</p>
3" roof flashing	EA			<p><b>3" roof flashing includes:</b></p> <p><b>Material:</b> The flashing should be made from durable, weather-resistant materials such as aluminum, galvanized steel, or copper, suitable for outdoor exposure.</p> <p><b>Size:</b> Ensure the flashing is specifically designed for a 3-inch pipe diameter, with enough coverage to overlap the roofing material and create a secure seal.</p> <p><b>Design:</b> The flashing should feature a proper design, typically with a base flange for secure attachment to the roof and a vertical collar to fit snugly around the pipe.</p> <p><b>Sealant Compatibility:</b> Confirm that the flashing can be used with appropriate sealants or roofing adhesives to enhance watertight performance.</p> <p><b>Weather Resistance:</b> The material should be resistant to UV rays, temperature fluctuations, and corrosion to ensure long-term durability.</p> <p><b>Installation Hardware:</b> Ensure you have the necessary screws or fasteners for secure attachment to the roof, and consider any additional flashing components if required.</p> <p><b>Local Code Compliance:</b> Verify that the flashing meets local building codes and manufacturer specifications for your roofing system.</p> <p><b>Installation Instructions:</b> Make sure to follow manufacturer guidelines for proper installation to ensure effectiveness and maintain warranty coverage.</p>

4" roof flashing	EA			<p><b>4" roof flashing includes:</b></p> <p>Material: The flashing should be made from durable, weather-resistant materials such as aluminum, galvanized steel, or copper, suitable for outdoor exposure.</p> <p>Size: Ensure the flashing is specifically designed for a 4 -inch pipe diameter, with enough coverage to overlap the roofing material and create a secure seal.</p> <p>Design: The flashing should feature a proper design, typically with a base flange for secure attachment to the roof and a vertical collar to fit snugly around the pipe.</p> <p>Sealant Compatibility: Confirm that the flashing can be used with appropriate sealants or roofing adhesives to enhance watertight performance.</p> <p>Weather Resistance: The material should be resistant to UV rays, temperature fluctuations, and corrosion to ensure long-term durability.</p> <p>Installation Hardware: Ensure you have the necessary screws or fasteners for secure attachment to the roof, and consider any</p>
3" vent cap	EA			<p><b>3" vent cap includes:</b> Material: The vent cap should be made from durable, weather-resistant materials, such as stainless steel, aluminum, or high-quality plastic, to withstand outdoor elements.</p> <p>Diameter: Ensure the cap is designed for a 3-inch diameter pipe for a proper fit.</p> <p>Design: Look for a design that allows for effective airflow while preventing backdraft. Features like a mesh screen or louvered openings can enhance performance.</p> <p>Sealing Mechanism: The cap should have a secure attachment method (e.g., screws or a slip-fit design) to prevent it from being dislodged by wind or other forces.</p> <p>Weather Resistance: Materials should be UV resistant and corrosion-resistant to ensure longevity and performance in various weather conditions.</p> <p>Compatibility: Confirm that the vent cap is suitable for the type of venting system being used (e.g., gas appliances, bathroom exhaust).</p> <p>Local Code Compliance: Verify that the vent cap meets local building codes and manufacturer specifications for your specific application.</p> <p>Installation Instructions: Ensure that installation guidelines are provided to guarantee correct placement and secure attachment.</p>
4" vent cap	EA			<p><b>4" vent cap includes:</b> Material: The vent cap should be made from durable, weather-resistant materials, such as stainless steel, aluminum, or high-quality plastic, to withstand outdoor elements.</p> <p>Diameter: Ensure the cap is designed for a 4-inch diameter pipe for a proper fit.</p> <p>Design: Look for a design that allows for effective airflow while preventing backdraft. Features like a mesh screen or louvered openings can enhance performance.</p> <p>Sealing Mechanism: The cap should have a secure attachment method (e.g., screws or a slip-fit design) to prevent it from being dislodged by wind or other forces.</p> <p>Weather Resistance: Materials should be UV resistant and corrosion-resistant to ensure longevity and performance in various weather conditions.</p> <p>Compatibility: Confirm that the vent cap is suitable for the type of venting system being used (e.g., gas appliances, bathroom exhaust).</p> <p>Local Code Compliance: Verify that the vent cap meets local building codes and manufacturer specifications for your specific application.</p> <p>Installation Instructions: Ensure that installation guidelines are provided to guarantee correct placement and secure attachment.</p>
3" vent escutcheon	EA			<p><b>3" vent escutcheon includes:</b> Material: The escutcheon should be made from durable materials, such as metal (e.g., stainless steel, brass) or high-quality plastic, to ensure longevity and resistance to wear.</p> <p>Diameter: Ensure the escutcheon has a 3-inch diameter to fit snugly around the vent pipe.</p> <p>Design: Look for a design that provides a clean, finished appearance, with smooth edges to prevent injury and facilitate easy cleaning.</p> <p>Finish: Choose an appropriate finish (e.g., polished, matte, or painted) that matches the surrounding decor and complements other fixtures.</p> <p>Installation Mechanism: Ensure the escutcheon includes a secure attachment method, such as a set screw or snap-on design, for easy installation and removal.</p> <p>Compatibility: Confirm that the escutcheon is suitable for the type of vent pipe being used, whether it's for gas, plumbing, or HVAC systems.</p> <p>Local Code Compliance: Verify that the escutcheon meets local building codes and standards for safety and performance.</p> <p>Installation Instructions: Ensure that clear installation guidelines are provided to facilitate proper fitting and secure attachment.</p>
4" vent escutcheon	EA			<p><b>4" vent escutcheon includes:</b> Material: The escutcheon should be made from durable materials, such as metal (e.g., stainless steel, brass) or high-quality plastic, to ensure longevity and resistance to wear.</p> <p>Diameter: Ensure the escutcheon has a 4-inch diameter to fit snugly around the vent pipe.</p> <p>Design: Look for a design that provides a clean, finished appearance, with smooth edges to prevent injury and facilitate easy cleaning.</p> <p>Finish: Choose an appropriate finish (e.g., polished, matte, or painted) that matches the surrounding decor and complements other fixtures.</p> <p>Installation Mechanism: Ensure the escutcheon includes a secure attachment method, such as a set screw or snap-on design, for easy installation and removal.</p> <p>Compatibility: Confirm that the escutcheon is suitable for the type of vent pipe being used, whether it's for gas, plumbing, or HVAC systems.</p> <p>Local Code Compliance: Verify that the escutcheon meets local building codes and standards for safety and performance.</p> <p>Installation Instructions: Ensure that clear installation guidelines are provided to facilitate proper fitting and secure attachment.</p>

water heater draft diverter	EA			<p><b>Water heater draft diverter includes:</b> Material: The diverter should be made from heat-resistant, corrosion-resistant materials, such as stainless steel or galvanized steel, to withstand high temperatures and moisture.</p> <p>Size Compatibility: Ensure the diverter is sized appropriately for your water heater's vent pipe, typically matching the diameter of the vent (e.g., 3", 4") to ensure a proper fit.</p> <p>Design: Look for a design that allows for efficient airflow while preventing backdrafts. It should have a smooth, curved interior to facilitate the proper flow of exhaust gases.</p> <p>Installation Mechanism: The diverter should include a secure attachment method, such as clamps or screws, to ensure it stays in place during operation.</p> <p>Ventilation: Ensure that the diverter allows for adequate ventilation, preventing the buildup of harmful gases and ensuring safe operation.</p> <p>Local Code Compliance: Verify that the draft diverter meets local building codes and standards for water heater installations.</p> <p>Installation Instructions: Ensure that clear installation guidelines are provided to facilitate proper fitting and secure attachment.</p>
3" vent pipe rain cap	EA			<p><b>3" vent pipe rain cap includes:</b> Material: The cap should be made from durable, weather-resistant materials, such as stainless steel or aluminum, to withstand outdoor conditions and resist corrosion.</p> <p>Diameter: Ensure the cap is specifically designed for a 3-inch diameter vent pipe for a secure and proper fit.</p> <p>Design: Look for a design that includes features like a flanged base for easy installation and a hooded top to deflect rain while allowing airflow.</p> <p>Ventilation: The cap should provide adequate ventilation to ensure exhaust gases can escape efficiently while preventing backdraft.</p> <p>Sealing Mechanism: Ensure the cap has a secure attachment method (e.g., screws or a slip-on design) to prevent it from being dislodged by wind or weather.</p> <p>Local Code Compliance: Verify that the rain cap meets local building codes and standards for safety and performance.</p> <p>Installation Instructions: Ensure clear installation guidelines are provided for proper fitting and secure attachment to the vent pipe.</p>
4" vent pipe rain cap	EA			<p><b>4" vent pipe rain cap:</b> Please take note of the following specifications when choosing a rain cap for a vent pipe:</p> <p>Material: The rain cap should be constructed from durable, weather-resistant materials, such as stainless steel or aluminum, to withstand outdoor conditions and resist corrosion.</p> <p>Diameter: Make sure the cap is specifically designed for a 4-inch diameter vent pipe to ensure a secure and proper fit.</p> <p>Design: Look for a design that includes features such as a flanged base for easy installation and a hooded top to deflect rain while allowing airflow.</p> <p>Ventilation: The cap should provide adequate ventilation to ensure efficient escape of exhaust gases while preventing backdraft.</p> <p>Sealing Mechanism: Ensure the cap has a secure attachment method (e.g., screws or a slip-on design) to prevent it from being dislodged by wind or weather.</p> <p>Local Code Compliance: Verify that the rain cap meets local building codes and standards for safety and performance.</p> <p>Installation Instructions: Ensure clear installation guidelines are provided for proper fitting and secure attachment to the vent pipe.</p>
Junction Box Screw Cover - Only (Size As Needed)	EA			<p><b>Junction Box Screw Cover - Only (Size As Needed):</b> Material: The cover should be made from durable, fire-resistant materials, such as plastic or metal, to withstand high temperatures and protect against wear.</p> <p>Size Compatibility: Ensure the cover is appropriately sized for the specific junction box you are using. It should fit securely without any gaps.</p> <p>Design: Look for a design that allows for easy installation and removal. The cover should have clear markings for screw placements, if applicable.</p> <p>Weather Resistance: If the junction box is located in an attic, consider a cover that can withstand varying temperatures and humidity levels.</p> <p>Compliance: Verify that the screw cover meets local electrical codes and standards for safety and performance.</p> <p>Installation Hardware: Ensure it comes with necessary installation hardware, such as screws or clips, for secure attachment, or can accommodate them.</p> <p>Ventilation: If applicable, ensure the cover allows for necessary ventilation to prevent overheating within the junction box.</p> <p>Installation Instructions: Clear guidelines should be provided to ensure proper installation and compliance with safety standards.</p>
Junction box/ Installation / Cover Plate (Shall Match Existing Décor And Size)	EA			<p><b>Junction box/ Installation / Cover Plate (Shall Match Existing Décor And Size) includes:</b> install and ensure that the junction wires are carefully placed inside the junction box and adequately covered as necessary. Can be used for attic installations. Enclose all wiring splices inside a location-appropriate (e.g. wet-location, outdoor, indoor, etc.) UL listed the electrical enclosure per the NEC</p>
Kitchen Exhaust Fix Improper Venting (Complete Install Per Code) (Size As Needed)	EA			<p><b>Kitchen Exhaust Fix Improper Venting includes:</b> a fan that is rated a maximum of 3 sones at one or more airflow settings greater than or equal to 100 cfm, has a minimum efficacy of 2.8 cfm/watt, moves at least 100 cfm intermittently or 5 kitchen air changes per hour (ACH) continuously after installation, ducting, and termination is complete. Duct fan flow through smooth wall metal duct and terminated to the outdoors, which does not include unconditioned spaces such as attics and crawl spaces that are ventilated with the outdoors, in accordance with SWS detail for "Ventilation Ducts" Provide make-up air if the range hood operation interferes with combustion appliance operation. Install fan within at least 5' of the primary cooking surface (e.g., range, oven, stove). Mount fan using mechanical fasteners and per manufacturer specifications so that fan housing does not shake, rattle, or vibrate when operating. Install all electrical wiring according to manufacturer specifications and applicable code. Seal any gap around fan housing where air can leak to outside the pressure boundary</p>
Water Heater Fix Improper Venting (Complete Install Per Code) (Size As Needed)	EA			<p><b>Water Heater Fix Improper Venting:</b> install combustion appliance venting in accordance with applicable code (i.e., NFPA 54, NFPA 31, IFGC) and manufacturer specifications</p>
Central Furnace Fix Improper Venting (Complete Install Per Code) (Size As Needed)	EA			<p><b>Central Furnace Fix Improper Venting:</b> install combustion appliance venting in accordance with applicable code (i.e., NFPA 54, NFPA 31, IFGC) and manufacturer specifications</p>

Vented Wall Furnace Fix Improper Venting (Complete Install Per Code) (Size As Needed)	EA				<b>Vented Wall Furnace Fix Improper Venting:</b> Install combustion appliance venting in accordance with applicable code (i.e., NFPA 54, NFPA 31, IFGC) and manufacturer specifications
Bathroom Exhaust Fix Improper Venting (Complete Install Per Code) (Size As Needed)	EA				<b>Bathroom Exhaust Fix Improper Venting Includes:</b> duct materials that have a flame spread no greater than 25, flexible ducts that are UL 181 listed or Air Diffusion Council approved or Select rigid ducts of 28 gauge or thicker. Select duct insulation with a flame spread/smoke development index of 25/50 or less when tested according to ASTM E84 or UL 723. Install ventilation ducts as short, straight, smooth and fully extended as possible. Choose duct diameter that is equal to or greater than the exhaust fan outlet. Install flexible duct so the radius at the centerline of any turn is no less than one duct diameter. Seal all duct connections with UL 181B or 181B-M listed materials (e.g., mastic, tape) Insulate all ducts installed outside of the thermal boundary to a minimum of R-8. Insulate all ductwork exposed to the exterior of the building to a minimum of R-12. Support flexible and duct board ducts every 4' or less using a minimum of 1-1/2" wide material Install support materials in a way that does not crimp ductwork or cause the interior dimensions of the ductwork to be less than specified Support metal ducts every 10' or less using 1/2" or wider material, using 18 gauge or greater strapping or 12 gauge or greater galvanized wire.
Install Kitchen Exhaust Range Hood (Complete Install Per Code) (Size As Needed)(Energy Star) Includes all venting.	EA				<b>Install Kitchen Exhaust Range Hood includes:</b> The existing range hood must be removed, and the new hood installed in compliance with both the manufacturer's specifications and relevant building codes. It is imperative that the duct fan is connected to smooth wall metal ducting and terminated outdoors, with strict prohibition of venting into unconditioned spaces like ventilated attics and crawl spaces. The fan must possess a maximum sound rating of 3 Sones at an airflow of 100 cfm or above, exhibit a minimum efficacy of 2.8 cfm/watt, and facilitate a minimum intermittent airflow of 100 cfm or 5 kitchen air changes per hour (ACH) continuously. The fan installation should be located within a 5-foot radius of the primary cooking surface, such as the range, oven, or stove. ducting, and termination is complete. Duct fan flow through smooth wall metal duct and terminated to the outdoors, which does not include unconditioned spaces such as attics and crawl spaces that are ventilated with the outdoors, in accordance with SWS detail for "Ventilation Ducts"
70-80 CFM Bath Vent Fan w/ light (Complete Install Per Code) (Energy Star)	EA				<b>70-80 CFM Bath Vent Fan w/ light Includes—</b> The installed exhaust fan in the bathroom to provide fresh air to a full bathroom without a window. The exhaust fan must achieve 70 CFM to pass inspection. The flex duct should have a smooth transition, and the run should be as short as possible. It must be Energy Star and 2.0 Sones for intermittent ventilation. It includes all wiring, breakers, switches, flex duct, mastic, roof jack, and permits.
70-80 CFM Bath Vent Fan w/ Light/ Heater (Complete Install Per Code)	EA				<b>70-80 CFM Bath Vent Fan w/ Light/ Heater includes-</b> The installed exhaust fan in the bathroom to provide fresh air to a full bathroom without a window. The exhaust fan must achieve 70 CFM to pass inspection. The flex duct should have a smooth transition, and the run should be as short as possible. It must be Energy Star and 2.0 Sones for intermittent ventilation. It includes all wiring, breakers, switches, flex duct, mastic, roof jack, and permits.
70-80 CFM Bath Vent Fan w/ no light (Complete Install Per Code) (Energy Star)	EA				<b>70-80 CFM Bath Vent Fan w/ no light Includes-</b> The installed exhaust fan in the bathroom to provide fresh air to a full bathroom without a window. The exhaust fan must achieve 70 CFM to pass inspection. The flex duct should have a smooth transition, and the run should be as short as possible. It must be Energy Star and 2.0 Sones for intermittent ventilation. It includes all wiring, breakers, switches, flex duct, mastic, roof jack, and permits.
ASHRAE, No Light "Existing Location" CFM Per ASHRAE Calc. $\leq 1.0$ sone (Complete Install To Code) Energy Star	EA				<b>ASHRAE, No Light "Existing Location" CFM Per ASHRAE Calc. <math>\leq 1.0</math> sone includes -</b> Please ensure the installed exhaust fan meets the ASHRAE requirements based on the Blower door and ASHRAE calculator. The exhaust fan must achieve the required ASHRAE CFM to pass inspection. The flex duct should have a smooth transition, and the run should be as short as possible. Additionally, the exhaust fan must be energy star rated and have a sound level of 1.0 Sones for intermittent ventilation. The installation should include the exhaust fan, all wiring, breakers, junction boxes, switches, flex duct, mastic, and roof jack.
ASHRAE, With Light "Existing Location" CFM Per ASHRAE Calc. $\leq 1.0$ sone (Complete Install To Code) Energy Star	EA				<b>ASHRAE, With Light "Existing Location" CFM Per ASHRAE Calc. <math>\leq 1.0</math> sone includes-</b> Please ensure the installed exhaust fan meets the ASHRAE requirements based on the Blower door and ASHRAE calculator. The exhaust fan must achieve the required ASHRAE CFM to pass inspection. The flex duct should have a smooth transition, and the run should be as short as possible. Additionally, the exhaust fan must be energy star rated and have a sound level of 1.0 Sones for intermittent ventilation. The installation should include the exhaust fan, all wiring, breakers, junction boxes, switches, flex duct, mastic, and roof jack.
ASHRAE, No Light "New Install" CFM Per ASHRAE Calc. $\leq 1.0$ sone (Complete Install To Code) Energy Star	EA				Please ensure the installed exhaust fan meets the ASHRAE requirements based on the Blower door and ASHRAE calculator. The exhaust fan must achieve the required ASHRAE CFM to pass inspection. The flex duct should have a smooth transition, and the run should be as short as possible. Additionally, the exhaust fan must be energy star rated and have a sound level of 1.0 Sones for intermittent ventilation. The installation should include the exhaust fan, all wiring, breakers, junction boxes, switches, flex duct, mastic, and roof jack.
ASHRAE, With Light "New Install" CFM Per ASHRAE Calc. $\leq 1.0$ sone (Complete Install To Code) Energy Star	EA				<b>ASHRAE, With Light "New Install" CFM Per ASHRAE Calc. <math>\leq 1.0</math> sone</b> Please ensure the installed exhaust fan meets the ASHRAE requirements based on the Blower door and ASHRAE calculator. The exhaust fan must achieve the required ASHRAE CFM to pass inspection. The flex duct should have a smooth transition, and the run should be as short as possible. Additionally, the exhaust fan must be energy star rated and have a sound level of 1.0 Sones for intermittent ventilation. The installation should include the exhaust fan, all wiring, breakers, junction boxes, switches, flex duct, mastic, and roof jack.
ASHRAE "HVL Combo" CFM Per ASHRAE Calc. $\leq 1.0$ sone (Complete Install To Code) (Shall Match Existing Functions)	EA				<b>ASHRAE, With Light "New Install" CFM Per ASHRAE Calc. <math>\leq 1.0</math> sone includes-</b> Please ensure the installed exhaust fan meets the ASHRAE requirements based on the Blower door and ASHRAE calculator. The exhaust fan must achieve the required ASHRAE CFM to pass inspection. The flex duct should have a smooth transition, and the run should be as short as possible. Additionally, the exhaust fan must be energy star rated and have a sound level of 1.0 Sones for intermittent ventilation. The installation should include the exhaust fan, all wiring, breakers, junction boxes, switches, flex duct, mastic, and roof jack.
Through Wall/ Crawl Space Exhaust Termination When Applicable Includes brick.	EA				<b>Exhaust Termination Through Wall/Crawl Space:</b> Where applicable, the scope encompasses brick and duct materials with a flame spread not exceeding 25. It also involves the use of flexible ducts that are either UL 181 listed or Air Diffusion Council approved, or selection of rigid ducts of 28 gauge or thicker. Furthermore, it entails the selection of duct insulation with a flame spread/smoke development index of 25/50 or less, as per ASTM E84 or UL 723 testing standards. The installation of ventilation ducts should prioritize short, straight, smooth, and fully extended configurations. Opt for a duct diameter equal to or greater than the exhaust fan outlet, and ensure the installation of flexible ducts maintains a minimum radius at the centerline of any turn equal to one duct diameter. The provision also includes all necessary materials for running the duct through the floor joist and installing the wall jack through the brick siding. (sheetrock, tape and float, and mortar.
Add External Combustion (Complete Install Per Code)	EA				<b>Add External Combustion (Complete Install Per Code) includes-</b> minimum required volume is 50 cubic feet per 1,000 BTU/h, except that where the air infiltration rate is known to be less than 0.40 air changes per hour (ACH), then use alternate calculation. Provide combustion air in conformance with the applicable code (i.e., NFPA 54, IFGC, or NFPA 31) and manufacturer specifications  In instances where conflicts occur between the code and the manufacturer's installation instructions, the more restrictive provisions shall apply (i.e., more air rather than less) the piping should be installed 1' from the ceiling and 1' from the floor to ensure proper ventilation for the combustion zone. It must pass draft in the worst-case CAZ testing.
Cap off existing gas line	EA				<b>Cap off existing gas line includes-</b> Removal of gas jet and installation of the pipe cap. Seal all gas piping in accordance with manufacturer specifications.

Smoke Alarms					<b>Smoke Alarms include-</b> Select battery-operated smoke alarms that are listed and labeled in accordance with UL 217 and have sealed, non-replaceable, 10-year batteries. Install battery-operated smoke alarms in the locations required by the Authority Having Jurisdiction. Install battery-operated smoke alarms in accordance with the manufacturer's instructions. Provide occupants the manufacturer's written instructions.
Carbon Monoxide Alarm					<b>Carbon Monoxide Alarm includes-</b> Select CO alarms that are listed and labeled in accordance with UL 2034, or approved by the authority having jurisdiction, and have a minimum of:10-year manufacturer's warranty, Contain internal non-replaceable batteries. Install CO alarms in the locations required by the Authority Having Jurisdiction. Install CO alarms in accordance with the manufacturer's instructions. Provide occupants the manufacturer's written instructions
Combination Smoke/ Carbon Monoxide Alarm – (Audio Indicator "Battery" 10yr)	EA				<b>Combination Smoke/ Carbon Monoxide Alarm –</b> Select CO/smoke alarms that are listed and labeled in accordance with UL 2034, or approved by the authority having jurisdiction, and have a minimum of:10-year manufacturer's warranty, Contain internal non-replaceable batteries. Install CO alarms in the locations required by the Authority Having Jurisdiction. Install CO alarms in accordance with the manufacturer's instructions. Provide occupants the manufacturer's written instructions
Combination Hard Wire Smoke (Audio Indicator "Battery" 10yr)	EA				<b>Combination Hard Wire Smoke (Audio Indicator "Battery" 10yr)-</b> Select hardwired (interconnected) smoke alarms that are listed and labeled in accordance with UL 217. Install hardwired (interconnected) smoke alarms in the locations required by the Authority Having Jurisdiction. Install hardwired (interconnected) smoke alarms in accordance with the manufacturer's instructions. Provide occupants the manufacturer's written instructions.
Dryer Wall Venting Kit (Includes 4" Metal Connector, Louvered Cap, and Flexible Duct)	EA				<b>Dryer Wall Venting Kit-</b> Select dryer transition ducting materials that are UL 2158A approved. Vent all clothes dryers to the outdoors, which does not include unconditioned spaces such as attics and crawl spaces that are ventilated with the outdoors. Choose the shortest practical installation path. Fasten all duct connections with mechanical fasteners that do not penetrate the interior of the duct (e.g., clamps, gasketed fitting. No fastener may penetrate the interior of the duct. Insulate dryer ducts installed outside of the thermal boundary to a minimum of R-8. Vent dryer through a termination manufactured for use with dryers that includes a backdraft damper. Termination may not contain a pest screen. Seal all duct connections with 181B or 181B-M listed material.
Gas 1/2" or 3/4" Flex Line w/ gas jet (Up To 10LF)	EA				<b>Gas 1/2" or 3/4" Flex Line w/ gas jet includes-</b> the replacement of the gas flex line and gas jet- adhere to local building codes and regulations.
Isolate Combustion Appliance Zone (CAZ) & External Combustion (Includes Jam Up plus 1x2 at the sill of the door and all materials needed to achieve proper external combustion like soffits, metal rigid ducts, and fasteners.)	EA				<b>Isolate Combustion Appliance Zone (CAZ) &amp; External Combustion</b> (Includes Jam Up around the whole CAZ door, plus 1x2 at the sill of the door and all materials needed to achieve proper external combustion like soffits, metal rigid ducts, and fasteners.) minimum required volume is 50 cubic feet per 1,000 BTU/h, except that where the air infiltration rate is known to be less than 0.40 air changes per hour (ACH), then use alternate calculation. Provide combustion air in conformance with the applicable code (i.e., NFPA 54, IFGC, or NFPA 31) and manufacturer specifications. When conflicts occur between the code and the manufacturer's installation instructions, the more restrictive provisions shall apply (i.e., more air rather than less). The piping should be installed 1' from the ceiling and 1' from the floor to ensure proper ventilation for the combustion zone. It must pass the draft in the worst-case CAZ testing.
Gas Conversion Kit (Natural Gas to LPG)	EA				<b>Gas Conversion Kit (Natural Gas to LPG)-</b> Ensure the conversion kit is specifically designed for your appliance model. A typical conversion kit includes: Burner orifices: Different sizes for propane. Regulator adjustments or replacement. New stickers or labels indicating the conversion. Instruction manual for the conversion process.
Drip Leg	EA				<b>Drip Leg:</b> the pipe, cap, and sealants. Install at the lowest point of a gas line, where moisture naturally accumulates. Install before the gas enters the appliance or equipment.
Gas Valve	EA				<b>Gas Valve-</b> install a gas valve that is Operated by hand, allowing the user to start or stop gas flow manually.
Drip Pan for furnace or water heater (Size Per Appliance)	EA				<b>Drip Pan -</b> includes all materials and labor associated with the installation and drain for the drip pan. Size the pan to fit different appliances and spaces. Position the drip pan directly under the appliance to catch any potential leaks
Concentric PVC Vent Kit (Complete Install)	EA				<b>Concentric PVC Vent Kit-</b> made from durable PVC (Polyvinyl Chloride), which is resistant to corrosion and suitable for venting exhaust gases. Size to match the specifications of the appliance being vented. Elbows, tees, and adapters for connecting to the appliance and routing the venting system. A cap to prevent rain and debris from entering the vent system while allowing proper exhaust. Install combustion appliance venting in accordance with applicable code
Float switch	EA				<b>Float switch -</b> The float switch uses a buoyant object (the float) that rises and falls with the liquid level. When the float reaches a certain height, it activates a switch. Install the float switch at the appropriate height to detect the desired liquid level accurately. Follow electrical safety guidelines and ensure proper connections to avoid short circuits.
Gas Range Top (w/ 4 Burners) - (Self Ignited) - No Pilot Lit Stoves Allowed, requires 110V Outlet	EA				<b>Gas Range Top (w/ 4 Burners) - (Self Ignited) Includes-</b> Four Burners: You need a stovetop with four burners for cooking flexibility, Self-igniting: It should have an automatic ignition system, meaning no pilot light is required, Electrical Requirement: The unit must be compatible with a 110V outlet, this line item includes a new flex line and gas jet.
Stove/oven Repair (Adjust & Calibrate For CO Reduction To Below Action Level)	EA				<b>Stove/Oven Repair (Adjust &amp; Calibrate For CO Reduction To Below Action Level)-</b> Remove the burner caps and inspect the flame. A proper flame should be blue with minimal yellow tips. Inspect burners and oven for any signs of damage or wear. Remove and clean burner caps and grates to ensure proper gas flow. Adjust the air shutter on each burner to increase air intake, which helps achieve a cleaner burn. If the flame is yellow or orange, adjust the air shutter to increase air intake, promoting better combustion. Use a manometer to measure the gas pressure at the burner. Adjust the pressure regulator if necessary to ensure it's within manufacturer specifications. Clean the burners and gas ports to ensure proper gas flow. Check for any blockages or debris that could affect performance. After adjustments, a CO detector will be used to measure the emissions while the stove is operating. The oven needs to be below 225 PPM and 25 PPM for each burner.
Gas Range Top natural gas or LP Gas Conversion Kit (w/ 4 Burners) - (Self Ignited) - No Pilot Lit Stoves, requires 110V Outlet	EA				<b>Gas Range Top natural gas or LP Gas Conversion Kit (w/ 4 Burners) - (Self Ignited) - No Pilot Lit Stoves, requires 110V Outlet Includes:</b> Four Burners: You need a stovetop with four burners for cooking flexibility, Self-igniting: It should have an automatic ignition system, meaning no pilot light is required, Electrical Requirement: The unit must be compatible with a 110V outlet, this line item includes a new flex line and gas jet.
Gas Stove natural gas or LP Gas Conversion Kit/window (Self Ignited) - No Pilot Lit Stoves Allowed, requires 110V Outlet	EA				<b>Gas Stove natural gas or LP Gas Conversion Kit/window (Self Ignited) - No Pilot Lit Stoves Allowed, requires 110V Outlet Includes:</b> The stove features a reliable self-ignition mechanism that allows for easy and quick lighting of burners without pilot lights, ensuring convenience and safety. This stove can be easily converted to work with either natural gas or LP gas using the included conversion kit, giving you flexibility based on your gas supply. Requires a standard 110V outlet to power the ignition system, ensuring compatibility with most kitchen setups.

<p><b>Gas Wall Oven (Self Ignited) - No Pilot Lit Stoves Allowed, requires 110V Outlet</b></p>	<p>EA</p>				<p><b>Gas Wall Oven (Self Ignited) - No Pilot Lit Stoves Allowed, requires 110V Outlet requires:</b> The oven uses a reliable self-ignition mechanism for quick and easy lighting, allowing for immediate use without the pilot lights. Requires a standard 110V outlet for the ignition system, making it compatible with most kitchen setups.</p>
<p><b>Gas Wall Oven w/ LP Gas Conversion Kit No Pilot Lit Stoves Allowed, requires 110V Outlet</b></p>	<p>EA</p>				<p><b>Gas Wall Oven w/ LP Gas Conversion Kit No Pilot Lit Stoves Allowed, requires 110V Outlet includes:</b> The oven boasts a reliable self-ignition feature, ensuring quick and effortless lighting without the need for pilot lights, providing enhanced safety and convenience. Comes equipped with an LP gas conversion kit, allowing for easy switching between natural gas and LP gas as needed, making it versatile for various setups. Requires a standard 110V outlet to power the ignition system, ensuring compatibility with most kitchen environments.</p>
<p><b>Kilz Paint (25 SFT Maximum mildew coverage)</b></p>	<p>SFT</p>				<p><b>Kilz Paint (25 SFT Maximum mildew coverage) Includes:</b> Kilz offers specialized products designed to effectively remove mildew and prevent its return. These formulations are ideal for use on surfaces that are prone to moisture, providing a safe and reliable solution for tackling mildew problems. Specifically formulated to remove existing mildew, mold, and other surface contaminants, ensuring a clean and hygienic surface. It prevents stains from water, mold, and mildew from reappearing, making it an excellent primer for future painting. Suitable for various surfaces including wood, drywall, and masonry, making it ideal for both indoor and outdoor use. Formulated with low VOCs (volatile organic compounds), ensuring safer use indoors with minimal unpleasant odors. Start by scrubbing the affected area with a mixture of water and detergent to remove loose mildew. Rinse thoroughly and let it dry. Use a brush, roller, or sprayer to apply the mildew removal product evenly over the affected area. Follow the manufacturer's guidelines for drying time. This will ensure that the product adheres properly and provides effective protection. If you're using it as a primer, allow it to dry completely before applying a topcoat of mildew-resistant paint for added protection.</p>
<p><b>Install T&amp;P Valve w/ Line 6" from the ground as per code @ Water Heater</b></p>	<p>EA</p>				<p><b>Install T&amp;P Valve w/ Line 6" from the ground as per code @ Water Heater:</b> The Temperature and Pressure Relief (T&amp;P) valve is a critical safety feature for water heaters. It helps prevent excessive pressure and temperature buildup, ensuring safe operation. T&amp;P valve (appropriate for your water heater) Piping (schedule 40 PVC or copper, as per local codes) Pipe fittings (if needed) If there is an old T&amp;P valve, use a wrench to carefully unscrew it. Be prepared for some water to escape when you remove it. Apply thread seal tape or pipe joint compound to the threads of the new T&amp;P valve. Screw the T&amp;P valve into the designated port on the water heater. Tighten securely, but avoid over-tightening. Connect a discharge line to the T&amp;P valve outlet. Ensure the line is made of approved materials (PVC or copper). The discharge line should extend 6 inches from the ground, as per code. Use a pipe cutter to achieve the desired length if necessary. Ensure the discharge line slopes downward toward the termination point to allow proper drainage. Once everything is connected, turn the water supply back on and check for leaks around the T&amp;P valve and the discharge line. Restore power to the water heater and observe the T&amp;P valve during operation to ensure it functions correctly. Ensure that the discharge line is securely attached and that there are no kinks or obstructions that could impede water flow.</p>
<p><b>Install CPVC Line "ONLY" 6" from ground as per code @ Water Heater</b></p>	<p>EA</p>				<p><b>Install CPVC Line "ONLY" 6" from ground as per code @ Water Heater: CPVC Pipe:</b> Suitable diameter for the application (typically 1/2" or 3/4"). CPVC Fittings: As needed for connections (elbows, tees, etc.). CPVC Primer: For preparing pipe and fittings. CPVC Solvent Cement: For joining pipe and fittings. Pipe Cutter: For clean cuts. Level: To ensure proper alignment. Clamps or Supports: For securing the CPVC line. Identify the route for the CPVC line, ensuring it is clear of obstacles and meets local codes. Use a pipe cutter to cut the CPVC pipe to the required length. Use sandpaper or a deburring tool to smooth the edges of the cut pipe. Apply CPVC primer to the outside of the pipe and the inside of the fittings to prepare them for cementing. After the primer has dried, apply CPVC solvent cement to both the pipe and the fitting. Install the CPVC line so that it is exactly 6 inches above the ground. Secure the line with clamps or brackets to prevent movement. Ensure the line terminates in an approved manner (e.g., at a drain or outside), adhering to local code requirements. Turn the water supply back on and inspect all connections for leaks. Ensure proper ventilation when applying solvent cement to avoid inhaling fumes.</p>
<p><b>Remove &amp; Replace with Existing Toilet (Install New Wax Ring/New water Line install/ new tank toilet bowl and seat)</b></p>	<p>EA</p>				<p><b>Remove &amp; Replace with Existing Toilet (Install New Wax Ring/New water Line install/ new tank toilet bowl and seat) Includes:</b> New toilet (bowl and tank), New wax ring, New flexible water supply line, Toilet seat (if not included),</p>
<p><b>Remove &amp; Reinstall Existing Toilet (Includes New Wax Ring)</b></p>	<p>EA</p>				<p><b>Remove &amp; Reinstall Existing Toilet (Includes New Wax Ring) Includes:</b> Removal and reinstall of the existing toilet to fix or replace the subfloor.</p>
<p><b>Remove and Reinstall Existing Water Heater on New Platform 18" AFF or per Code w/ permit</b></p>	<p>SF</p>				<p><b>Remove and Reinstall Existing Water Heater on New Platform 18" AFF or per Code w/ permit Includes:</b> Check local building codes and obtain any required permits before starting the project. For electric water heaters, turn off the power at the circuit breaker. For gas water heaters, turn off the gas supply at the valve. Shut off the cold water supply to the water heater. Connect a garden hose to the drain valve at the bottom of the water heater and direct it to a suitable drainage location. Open the drain valve and allow the tank to empty completely. You may need to open a hot water faucet in the house to facilitate draining. For electric heaters, disconnect the electrical wiring at the junction box. For gas heaters, carefully disconnect the gas line using a wrench. Be cautious and ensure the gas supply is fully shut off. Construct or install the new platform according to code specifications, ensuring it is sturdy and level at 18 inches above the floor. Carefully lift the water heater onto the new platform. Use caution and ensure it is stable. For electric heaters, reconnect the electrical wiring at the junction box. For gas heaters, reconnect the gas line, ensuring all connections are tight and secure. Reattach the cold water inlet and hot water outlet lines using new fittings if necessary. Use Teflon tape on threaded connections to prevent leaks. Open the cold water supply valve and fill the tank. Check for leaks at all connections. Open a hot water faucet to release air from the system. For electric heaters, turn the power back on at the circuit breaker. For gas heaters, turn the gas supply back on and follow the manufacturer's instructions to light the pilot. Allow the water heater to heat up and check for any leaks again. Ensure it operates correctly. Ensure that all connections are secure and that the installation complies with local codes. If necessary, have the installation inspected by a professional.</p>

Remove Bathroom Unvented Gas Space Heater & Patch w/ (Sheetrock/Tape Float/Paint Ready)	EA				Remove Bathroom Unvented Gas Space Heater & Patch w/ (Sheetrock/Tape Float/Paint Ready) Includes: Sheetrock (drywall) for patching, Drywall tape (mesh or paper), Joint compound (mud), Drywall screws, Caulk (for finishing edges). Take out any screws or fasteners securing the heater to the wall. Carefully disconnect the gas line using the appropriate tools and cap it securely to prevent leaks. Check the area where the heater was mounted. Remove any loose drywall or debris around the hole. Cut a piece of sheetrock to fit. Insert the cut sheetrock into the hole and secure it to any wall studs behind the patch using drywall screws. Space screws about 12 inches apart. Cover the seams where the new patch meets the existing wall with drywall tape. For paper tape, embed it in a thin layer of joint compound. Once dry, sand the joint compound with a sanding block or sandpaper until smooth, being careful not to damage the surrounding wall. level 3 tape and float.
Remove unvented gas space heater and cap off gas line	EA				Remove unvented gas space heater and cap off gas line: Pipe cap (appropriate size for the gas line). Teflon tape (for threaded connections). Ventilation (fans or open windows for safety). Locate the gas shut-off valve and turn it clockwise to stop the gas flow. Ensure the heater is completely off. Open windows or use fans to ensure proper ventilation in the room to disperse any lingering gas. Carefully disconnect the gas line from the heater using an adjustable wrench. Be prepared for some residual gas; have a towel or bucket ready to catch any small amount that may escape. Wrap Teflon tape around the threads of the gas line where it was disconnected. This helps create a tight seal. Screw the pipe cap onto the gas line, tightening it securely with the adjustable wrench. Ensure it is snug but do not overtighten, as this can damage the threads. Once the cap is installed, turn the gas supply back on slightly (just enough to test) and apply a soap solution to the capped area. Look for bubbles, which indicate a leak. If there are no bubbles, the connection is secure. Dispose of any remaining parts of the heater as per local regulations. Ensure the area is clean and free of debris. Double-check that the gas line is capped securely and that there are no leaks.
Water Heater 40 Gallon (GAS/LP)(Complete Install to Code)	EA				<b>Water Heater 40 Gallon (GAS/LP)(Complete Install to Code) Includes-</b> ENERGY STAR certified storage type units are designed to heat and store water at a thermostatically controlled temperature. This includes gas storage water heaters with a nominal input of 75,000 British thermal units (Btu) per hour or less, containing more than one gallon of water per 4,000 Btu per hour of input. The UEF (Uniform Energy Factor) should be greater than or equal to 0.80 (Effective April 18, 2023 UEF should be greater than or equal to 0.86), and the warranty on the system should be at least 6 years. Includes all permits electric needed for the install of the water heater. This is a turn key project.
Energy Star Gas (NG/LPG) tankless water heater (Turnkey Install)	EA				<b>Energy Star Gas (NG/LPG) tankless water heater (Turnkey) Includes:</b> Water heater installation must be carried out by a licensed plumber and electrician, with all necessary permits included. Materials required for the installation will be allocated to a different line item.
Water Heater 40 Gallon (ELEC Hybrid) (Complete Install to Code) Energy Star electric heat pump water heaters have a maximum of 24 Apm input 250 volts or less.	EA				<b>Water Heater 40 Gallon (ELEC Hybrid) (Complete Install to Code)</b> Energy Star electric heat pump water heaters have a maximum of 24 Apm input 250 volts or less. Includes all permits electric needed for the install of the water heater. This is a turn key project.
Lead Packet (Small Job) - Based on Five Man Crew and 1 Room Encapsulation Work	EA				<b>Lead Packet (Small Job) - Based on Five Man Crew and 1 Room Encapsulation Work</b> —All work includes all materials required to properly remove Lead paint in accordance with EPA abatement practices. 1. Set up a containment area using plastic sheeting to isolate the work area from the rest of the building. 2. Remove loose paint, dust, and debris from surfaces to be encapsulated. Use wet methods to minimize dust. 3. Apply the encapsulant according to the EPA Lead abatement requirements. 4. Ensure even coverage and check for missed spots. 5. After the encapsulant has dried, remove the plastic sheeting and dispose of it according to EPA standards. 6. Conduct a final cleaning of the area using HEPA vacuums and wet wipes to capture any remaining dust.
Lead Packet (Medium Job) - Based on Five Man Crew and 2-3 Rooms Encapsulation Work	EA				<b>Lead Packet (Medium Job) - Based on Five Man Crew and 2-3 Rooms Encapsulation Work</b> —All work includes all materials required to properly remove Lead paint in accordance with EPA abatement practices. 1. Set up a containment area using plastic sheeting to isolate the work area from the rest of the building. 2. Remove loose paint, dust, and debris from surfaces to be encapsulated. Use wet methods to minimize dust. 3. Apply the encapsulant according to the EPA Lead abatement requirements. 4. Ensure even coverage and check for missed spots. 5. After the encapsulant has dried, remove the plastic sheeting and dispose of it according to EPA standards. 6. Conduct a final cleaning of the area using HEPA vacuums and wet wipes to capture any remaining dust.
Lead Packet (Large Job) - Based on Five Man Crew and Whole home Encapsulation Work	EA				<b>Lead Packet (Large Job)—Based on Five Man Crew and Whole Home Encapsulation Work</b> —All work includes all materials required to properly remove Lead paint in accordance with EPA abatement practices. 1. Set up a containment area using plastic sheeting to isolate the work area from the rest of the building. 2. Remove loose paint, dust, and debris from surfaces to be encapsulated. Use wet methods to minimize dust. 3. Apply the encapsulant according to the EPA Lead abatement requirements. 4. Ensure even coverage and check for missed spots. 5. After the encapsulant has dried, remove the plastic sheeting and dispose of it according to EPA standards. 6. Conduct a final cleaning of the area using HEPA vacuums and wet wipes to capture any remaining dust.
Lead test kit( certified professional)	EA				
<b>Lights</b>					
LED 9-13 Watt Energy Star	EA				<b>LED 9-13 Watt Energy Star Includes:</b> ENERGY STAR® qualified, equivalent or better, and UL-approved, is rated no more than the rated wattage of fixture, Permanently remove equipment from job site and recycle or dispose of removed equipment, Permanently decommission old equipment, Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.
LED 13-15 Watt Energy Star	EA				<b>LED 13-15 Watt Energy Star Includes:</b> ENERGY STAR® qualified, equivalent or better, and UL-approved, is rated no more than the rated wattage of fixture, Permanently remove equipment from job site and recycle or dispose of removed equipment, Permanently decommission old equipment, Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.
LED 18-25 Watt Energy star	EA				<b>LED 18-25 Watt Energy star Includes:</b> ENERGY STAR® qualified, equivalent or better, and UL-approved, is rated no more than the rated wattage of fixture, Permanently remove equipment from job site and recycle or dispose of removed equipment, Permanently decommission old equipment, Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.
LED 23-30 Watt Energy star	EA				<b>LED 23-30 Watt Energy star Includes:</b> ENERGY STAR® qualified, equivalent or better, and UL-approved, is rated no more than the rated wattage of fixture, Permanently remove equipment from job site and recycle or dispose of removed equipment, Permanently decommission old equipment, Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.



LED Candelabra Energy Star	EA				<b>LED Candelabra Energy Star Includes:</b> ENERGY STAR® qualified, equivalent or better, and UL-approved, is rated no more than the rated wattage of fixture, Permanently remove equipment from job site and recycle or dispose of removed equipment, Permanently decommission old equipment, Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.
LED Flood Light Energy Star	EA				<b>LED Flood Light Energy Star Includes:</b> ENERGY STAR® qualified, equivalent or better, and UL-approved, is rated no more than the rated wattage of fixture, Permanently remove equipment from job site and recycle or dispose of removed equipment, Permanently decommission old equipment, Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.
Can Light Retrofit With LED Kit (Shall Have Gasket For Air Infiltration) Energy Star	EA				<b>Can Light Retrofit With LED Kit (Shall Have Gasket For Air Infiltration) Energy Star Includes:</b> ENERGY STAR® qualified, equivalent or better, and UL-approved, is rated no more than the rated wattage of fixture, Permanently remove equipment from job site and recycle or dispose of removed equipment, Permanently decommission old equipment, Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.
<b>Air Infiltration</b>					
25-Year Silicone All Purpose Painters Caulk (Use a 1/4" maximum bead, with 38 linear feet per tube.)(Use Clear Caulking Only On Wood)	EA				<b>25-Year Silicone All Purpose Painters Caulk Includes:</b> Select sealants compatible with their intended surfaces(white caulking goes on all surfaces <b>except wood paneling</b> .)for use inside the pressure boundary select low volatile organic compound (VOC) sealants that meet independent testing and verification protocols. <b>For gaps and voids over a 1/4" do not use caulking.</b>
Can Light Cover - Complete Install - Shall be air tight	EA				<b>Can Light Cover - Complete Install Includes:</b> Select safe and effective sealants are compatible with their intended surfaces, meet the requirements of the applicable fire safety code (e.g. thermal or ignition barriers) Maintain a minimum clearance of 3 inches between the enclosure and all portions of fixture (e.g. wiring, box, and ballast). The enclosure must be at least as tall as the surrounding insulation. at least 1/2 inch from any combustible material, such as wood. The enclosure top must be R-1 or less and left free of insulation. Remove any material from the sealing area that will prevent full adhesion of the selected sealant. Remove any material from the sealing area that will prevent full adhesion of the selected sealant. Apply a continuous seal at all seams, cracks, joints, edges, penetrations, and connections of the enclosure while applying sufficient pressure to push sealant into any gaps or cracks and contact any backing or infill material required. The sealant exposed to the interior of the enclosure must meet the same fire rating as the enclosure. <b>Visibly flag enclosure above the final insulation level.</b>
High Temp Caulking (Used For Multiple Air Sealing Applications Near Heat Source)	EA				<b>25 Year High Temp Caulk Includes:</b> Select sealants that: are compatible with their intended surfaces, allow for differential expansion and contraction between dissimilar materials, meet the requirements of the applicable fire safety code (e.g. thermal or ignition barriers) and are rated for the operating temperature of the device they are in contact with, and for use inside the pressure boundary select low volatile organic compound (VOC) sealants that meet independent testing and verification protocols. Apply a continuous seal at all seams, cracks, joints, edges, and penetrations of the sealing area while
Silicone Tub and Tile Bathroom Caulk (1/2" Bead, 38 LF per tube)	EA				<b>Tub and Tile Silicone Caulk includes:</b> Select sealants that: are compatible with their intended surfaces, allow for differential expansion and contraction between dissimilar materials, adequately support applied load and are permanent air barriers, and for use inside the pressure boundary select low volatile organic compound (VOC) sealants that meet independent testing and verification protocols. Apply a continuous seal at all seams, cracks, joints, edges, penetrations, and connections in sealing surface while applying sufficient pressure to push sealant into any gaps or cracks and contact any backing or infill material required.
Mortar Caulk (1/2" Bead, 38 LF per tube) (Shall Match Existing Décor)	EA				<b>Mortar caulk includes:</b> Select sealants that: are compatible with their intended surfaces, allow for differential expansion and contraction between dissimilar materials, adequately support applied load and are permanent air barriers. Apply a continuous seal at all seams, cracks, joints, edges, penetrations, and connections in sealing surface while applying sufficient pressure to push sealant into any gaps or cracks and contact any backing or infill material required.
Backer Rod - 3/8" to 1/2" x 20'	EA				<b>Backer Rod to include:</b> backing or infill is installed, it will not bend, sag, or move once installed, and will adequately support any insulation installed on the surface For small holes (less than 1/4"): if using, install backing or infill material at least 1/8" below the surface where sealant is applied For medium holes (1/4" to 3"): install backing or infill in or over all holes to be sealed For large holes (greater than 3"): install rigid backing or infill in or over all holes to be sealed Install support material for spans wider than 24", except when air barrier material is rated to span greater distance under load (e.g., wind, insulation) Support material installed for any walking/working surface (attics or floors) will support the weight of a worker and any insulation applied in the area Mechanically fasten backing or infill materials sufficient to prevent movement. Select sealants that: are compatible with their intended surfaces, allow for differential expansion and contraction between dissimilar materials, meet the requirements of the applicable fire safety code (e.g. thermal or ignition barriers), and for use inside the pressure boundary select low volatile organic compound (VOC) sealants that meet independent testing and verification protocols.
Foam Tape 3/4" High Density - 10' Roll	EA				<b>Foam Tape includes:</b> Select materials that: adequately support applied load and are permanent air barriers, using gaskets, weather stripping or equivalent method Permanently attach gaskets, weatherstripping, etc. per manufacturer's instructions meet the requirements of the applicable fire safety code (e.g. thermal or ignition barriers), and for use inside the pressure boundary select low volatile organic compound (VOC) materials that meet independent testing and verification protocols.
Foam A/C WX Strip	EA				<b>A/C Foam WX Strip includes:</b> Select materials that: adequately support applied load and are permanent air barriers, using gaskets, weather stripping or equivalent method Permanently attach gaskets, weatherstripping, etc. per manufacturer's instructions meet the requirements of the applicable fire safety code (e.g. thermal or ignition barriers), and for use inside the pressure boundary select low volatile organic compound (VOC) materials that meet independent testing and verification protocols.
3 Piece Tub-Surround w/ Caulking/Adhesive and Trim	EA				<b>3 Piece Tub Surround includes:</b> 60 in. W x 60 in. H 3-Piece Glue Up Acrylic or Polystyrene, glued directly to Green Board drywall or Hardi Backer. Includes demo and adhesive. Apply a continuous seal at all seams, joints, edges, penetrations, and connections in sealing surface while applying sufficient pressure to push sealant into any gaps. for use inside the pressure boundary select low volatile organic compound (VOC) sealants that meet independent testing and verification protocols.
Tub Overflow Plate with Accessories	EA				<b>Tub Overflow Plate includes:</b> cover is designed to prevent water in the bathtub from overflowing. All inclusive materials
1/2" Cementous Backer board 3'X5' (Includes: Demo of shower material)	EA				<b>Cementous Backer Board includes:</b> underlayment made for wet areas like kitchens and bathrooms. It is resistant to moisture and mold, giving superior performance along with a limited lifetime warranty. Includes demo and all adhesive.
1/4" Sheetrock Walls (Mobile Homes) - Complete To Finished Level 3, Paint Ready	SF				<b>1/4 in Sheetrock Walls per SqFT Includes:</b> 1/4 sheetrock must be sealed with tape and float and must be level 3 paint ready. Includes demo and fasteners.
1/4" Sheetrock Walls 4'X8' (Mobile Homes) - Complete To Finished Level 3, Paint Ready	EA				<b>1/4 in Sheetrock Walls Full sheet includes:</b> 1/4 sheetrock whole sheet must be sealed with tape and float and must be level 3 paint ready. Includes demo and fasteners
Re-Tape & Float, level 3 Finish (Paint Ready) Walls or Ceilings	LF				<b>Re-tape &amp; Float includes:</b> wall or ceiling must be level 3 paint ready or it will not pass inspection.
Sheetrock Patch - Complete - Finished Level 3 Paint Ready	SF				<b>Sheetrock Patch per SQFT includes:</b> all tape and float squaring the wall to install new sheetrock all screws and must be level 3 paint ready.
Green board sheetrock for bathrooms kitchen and laundry rooms	SF				<b>Green Board Sheetrock includes:</b> Mold- and Moisture-Resistant Gypsum Board features a moisture-resistant core, making it ideal for use in high-humidity areas such as kitchens, bathrooms, basements and laundry rooms, although this panel is not recommended for showers and other wet areas. Demo of old material, tape and float is included.

Sheetrock Patch - Complete - Finished level 3 Paint Ready (full sheet)	EA					Sheetrock Patch full sheet includes: large sheetrock patch, includes demo, fasteners, tape and float level 3 paint ready
Remove Wall Furnace - Complete (No Replacement)(Patch Sheetrock)	EA					Wall Furnace Removal includes: Remove wall furnace and seal hole with drywall all demo, disposal, fasteners and tape and float level 3 paint ready required to pass inspection.
Remove Double Sided Wall Furnace - Complete (No Replacement)(Patch Sheetrock)	EA					Wall Furnace Removal includes: Remove double sided wall furnace and seal hole with drywall all demo, disposal, fasteners and tape and float level 3 paint ready required to pass inspection.
Chimney Balloon(size as needed)	EA					Chimney Balloon includes:Chimney Balloon/ fireplace damper will air seal the fireplace to stops cold drafts, bugs, birds, bats, and chimney smells from entering house. Show client how to use.
Laminated Wallboard/ Wood Panel (Shall Match Existing Décor)	SF					Wood Panel/Laminated Wallboard includes: remove existing panel and install a new one, includes fasteners.
Insulated Foam Board Polyisocyanurate with foil R-3.2	SF					Insulated Foam Board includes: Foil-Faced Foam Sheathing board is rigid polyisocyanurate foam sheathing that provides exceptional heat, moisture and air control
Floor Overlay Pine Wood (Includes Sealant And Fasteners)	SF					Floor Overlay per SQFT includes: cut existing damaged floor square, install 3/4 plywood, seal all seams with caulking.
Floor Inlay Pine Wood (Complete Install) (Includes: Demo of Existing Floor) (Full Sheet)	EA					Floor Overlay Full sheet includes: cut existing damaged floor square, install 3/4 plywood, seal all seams with caulking.
Expanding Foam (Used For Multiple Air Sealing Applications) (Approximate 100 LF Coverage @ 3/8" Gap)	EA					Expanding Foam includes: Gaps & Cracks over a 1/4" but no more than 3". Insulating Foam Sealant is a ready-to-use, minimal-expansion insulating foam sealant used for smaller areas. Choose a material with a low VOC's.
Expanding Foam (Used For Air Sealing Top Plates) (Labor Charge only)	EA					Expanding Foam Labor only includes: Seal top Plates with expanding Foam incudes labor only charge. Materials paid for with cans of foam filler. Seal all electrical wiring, plumbing, and heating, ventilation, and air conditioning (HVAC) penetrations between conditioned and unconditioned spaces with spray foam
High Temp Expanding Foam (Used For Multiple Air Sealing Applications Near Heat Source)	EA					High Temp Expanding Foam includes: fire-resistant expanding foam fills gaps greater than 1 inch in width, creating an airtight, water-resistant seal. Must meet the requirements of the applicable fire safety code.
Room Air Condition Air Seal (Complete)	EA					Room Air Conditioner Seal includes: Installing of foam board and panels @ air conditioning creating a complete air seal around perimeter. Includes caulking and foamboard and foam strip for sash gap.
Jalousie Window Crank Handle (Any Finish)	EA					Jalousie Window Crank Handle includes: Window crank replacement. Includes swap of crank handle.
Solid Brass Sash & Lock w/ Keeper	EA					Solid Brass Sash & Lock includes: Window Lock replacement or install
White Vinyl Window Sash & Lock w/ Keeper	EA					White Vinyl Window Sash & Lock includes: Window Lock replacement or install
Window Glazing, Putty per LF (Used on Wood Casement Windows)	LF					Window Glazing, Putty includes: Dough-like material Putty is mostly used to seal windows to wood frames, preventing any air from entering or leaving. Glass cracks that are not noticeably separated and less than 6" long can be left.
Double Pane Glass (Shall Match Existing Décor)	SF					double pane glass includes: removal of old glass and install new Low-E glass
Double Pane Obscure Glass (Shall Match Existing Décor)	SF					double pane obscure glass includes: replacement install of Low-E obscure glass when window is in the bathroom.
Double Pane Tempered Glass (Shall Match Existing Décor)	SF					double pane tempered glass includes: replacement install of Low-E Tempered glass when window is within 18" of the floor.
Single Pane Glass (Shall Match Existing Décor)	SF					Single Pane Glass includes: replacement of single pane window glass
Single Pane Obscure Glass (Shall Match Existing Décor)	SF					single pane obscure glass includes: replacment of obscure window glass, install when in a bathroom.
Single Pane Tempered Glass (Shall Match Existing Décor)	SF					single pane tempered glass includes: replacement of tempered window glass, Install when window is within 18" of the floor.
Seal off Door Combustion Air ventilation (w /Duckboard and Mastic)	EA					Seal off Door Combustion Air includes: seal door with duck board and mastic seams.
Window Air Seal - Complete - Sash and Stile (jamb-up & Sweep.)	EA					Window Air Seal includes: installing of weather stripping and sweeps sealing window to stop airflow
Eliminate Return Air Grille Opening (Complete To Paint Ready Finish)	EA					Eliminate Return Air Grille Opening includes: removing of return air grille opening, complete drywall level 3 ready to paint
Eliminate Supply Air Grille Opening (Complete To Paint Ready Finish)	EA					Eliminate Supply Air Grille Opening includes: removing of supply air grille opening, complete drywall level 3 ready to paint
Threshold Adjustable, Aluminum or Hardwood @ Entry/Garage Doors	EA					Adjustable Threshold includes: Adjustable Aluminum & Hardwood Threshold features an adjustable riser to seal uneven gaps underneath your door. This product protects the home against drafts, moisture, dust and insects. The threshold can be used with a new door or to replace an existing threshold. All of the hardware needed for installation is included. Before installation, the threshold can be cut to a desired length using a hacksaw. To best seal your doorway, this product can be used with a door sweep or an under door seal.
Threshold for Interior Doors	EA					Interior Door Threshold includes: Wood Threshold for Interior Doors. It is designed to cover and hide wood and carpet seams on the interior of doorways. The threshold has a low profile to prevent tripping
A.D.A Saddle Aluminum Threshold at Entry Door up to 36" (For Existing Doors Only)	EA					ADA Saddle Threshold includes: Saddle thresholds are symmetrically shaped and designed to seal the area under a door. A saddle threshold should be no taller than 1/2". All industry standard ADA compliant thresholds are either 1/4" or 1/2"
TMH "Q" foam Kerf Weather Stripping for doors plus door sweep	EA					TMH Weather Stripping includes: Foam kerf-in weatherstrip is constructed from soft cell foam enclosed by an embossed, tear-resistant, low-friction, UV-stable polyethylene cover. Shape and materials conform well to irregularities in door fit and finish for a tight seal and low air infiltration. Installation: To install, simply insert the extending flange into a kerf, or groove, and push in with the aid of a putty knife to get a tight fit.
Door Sweep	EA					Door Sweep includes: Aluminum and Vinyl Standard Screw-on Door Sweep features a single-fin vinyl seal for protection from drafts, moisture, dust and insects.
Air Seal Door - Complete Seal Around Install	EA					Door Air Seal includes: Weather stripping door, add door sweep and create complete seal around door to stop air flow.
T-Astragal for Double Doors, Aluminum or Wood	EA					T-Astragal for Double Doors includes: T-Astragal is used to hide the space between double doors.
spray foam for attic floors and crawlspaces closed cell R-7 Per inch	SF					spray foam for attic floors and crawlspaces includes: spray foam insulation closed cell for sealing attic floor and crawlspace floors follow all EPA and SWS standards for install
spray foam for attic floors and crawlspaces open cell R-3.8 per inch	SF					spray foam for attic floors and crawlspaces includes: spray foam insulation closed cell for sealing attic floor and crawlspace floors follow all EPA and SWS standards for install
Install 6 mil plastic for air sealing on the floor (full home installation) in a home under 1000 SF.	EA					Install 6 mil plastic for air sealing includes: Select flexible membranes that are a minimum of 6 mil (0.15-mm) polyethylene or equivalent flexible material.Cover any under-floor area not covered with poured concrete Cover any air permeable foundation wall or pier material, such as hollow core block, Overlap seams a minimum of 12" with reverse or upstope lapping technique and seal all seams with a durable, compatible sealant. Apply a continuous seal at all seams, cracks, joints, penetrations, and connections of foundation walls, sills, floors, etc. that are adjacent to unconditioned spaces while applying sufficient pressure to push sealant into any gaps or cracks and contact any backing or infill material required

Install 6 mil plastic for air sealing on the floor (full home installation) in a home over 1000 SF.	EA				<b>Install 6 mil plastic for air sealing includes:</b> Select flexible membranes that are a minimum of 6 mil (0.15-mm) polyethylene or equivalent flexible material, Cover any under-floor area not covered with poured concrete Cover any air permeable foundation wall or pier material, such as hollow core block, Overlap seams a minimum of 12" with reverse or upslope lapping technique and seal all seams with a durable, compatible sealant. Apply a continuous seal at all seams, cracks, joints, penetrations, and connections of foundation walls, sills, floors, etc. that are adjacent to unconditioned spaces while applying sufficient pressure to push sealant into any gaps or cracks and contact any backing or infill material required
<b>Duct sealing / Duct replacement (Full home duct replacement requires manual D).</b>					
R-8 HVAC Insulated Flex Duct installation includes mastic/tape (Shall Be Size As Needed) (Per IRC Code)	LF				<b>R-8 HVAC Insulated Flex Duct includes:</b> Select duct materials with a flame spread of no more than 25 when tested in accordance with ASTM E84 or UL 723 and that are UL 181, SMACNA, NAIMA approved or conform to ASTM A653, Design residential duct systems using friction charts and ANSI/ACCA Manual D (Residential Duct Systems) or equivalents, Do not use building cavities as ductwork under any situation, Route ducts so that standard service and repair to the building and its systems does not damage the ducts,
Metal duct supply duct( includes screws and mastic)	EA				<b>Metal Duct Supply includes:</b> Select duct materials with a flame spread of no more than 25 when tested in accordance with ASTM E84 or UL 723 and that are UL 181, SMACNA, NAIMA approved or conform to ASTM A653, Design residential duct systems using friction charts and ANSI/ACCA Manual D (Residential Duct Systems) or equivalents, Do not use building cavities as ductwork under any situation, Route ducts so that standard service and repair to the building and its systems does not damage the ducts
metal duct trunk runs for mobile homes( includes mastic, straps,)	LFT				<b>metal duct trunk runs include:</b> Select duct materials with a flame spread of no more than 25 when tested in accordance with ASTM E84 or UL 723 and that are UL 181, SMACNA, NAIMA approved or conform to ASTM A653, Design residential duct systems using friction charts and ANSI/ACCA Manual D (Residential Duct Systems) or equivalents, Do not use building cavities as ductwork under any situation, Route ducts so that standard service and repair to the building and its systems does not damage the ducts
Full duct line replacement ( Includes Duct, Mastic, Tape, Register, Boot, and ring adapter.)	EA				<b>Full duct line replacement includes:</b> Select duct materials with a flame spread of no more than 25 when tested in accordance with ASTM E84 or UL 723 and that are UL 181, SMACNA, NAIMA approved or conform to ASTM A653, Design residential duct systems using friction charts and ANSI/ACCA Manual D (Residential Duct Systems) or equivalents, Do not use building cavities as ductwork under any situation, Route ducts so that standard service and repair to the building and its systems does not damage the ducts, Design supply terminations to be capable of delivering air with the proper speed and throw to cover the entire space they serve and that do not produce noticeable flow noise when system is operating at full speed
Seal plenum ( includes mastic and tape.)	EA				<b>Seal Plenum includes:</b> sealing all seams, junctions, connections, ect, using tape and mastic at plenum.
R-8 Duct Wrap (Shall Include Fasteners and Mastic)	LF				<b>R-8 Duct Wrap includes:</b> R-8 insulation wrap, fasteners, tape, and mastic to wrap all metal ducts.
R-12 Duct wrap (Shall include Fasteners and Mastic) Install if exposed to the exterior of the home. All duct sealing included.	LF				<b>R-12 Duct Wrap includes:</b> R-12 insulation wrap, fasteners, tape, and mastic to wrap all metal ducts.
A/C Plenum replacement (Includes Mastic and faced foil Duct Board)	EA				<b>A/C Plenum replacement includes:</b> When a 90 degree turn is required in the plenum, use radius elbow fittings or square fittings with tuning vanes Supply plenum must be the same size or larger than the air handler supply opening. If equipment is installed on top of the return plenum, plenum platform must independently support the weight of the equipment, mastic, tape, foil faced duct board
Seal Per Registers (Shall Include Mastic, Duct Board And Fasteners As Needed)	EA				<b>Seal per Registers includes:</b> Select only UL 181 approved materials that are compatible with their intended surfaces, allow for differential expansion and contraction between dissimilar materials, meet the requirements of the applicable fire safety code (e.g., thermal or ignition barriers), Select low volatile organic compound (VOC) sealants for use inside the pressure boundary that meet independent testing and verification protocols, Securely fasten all duct connections using appropriate mechanical fasteners, Seal all accessible seams, cracks, joints, holes, and penetrations of duct system
Seal Per Central Return Walls (Shall Include Mastic, foamboard And Fasteners As Needed)	EA				<b>Seal Per Central Return Walls includes:</b> foamboard, fasteners, tape, and mastic
Mastic (Single Application, Includes Fasteners 6" width)	LF				<b>Mastic seal includes:</b> Select only UL 181 approved materials that are compatible with their intended surfaces, allow for differential expansion and contraction between dissimilar materials, meet the requirements of the applicable fire safety code (e.g., thermal or ignition barriers), Select low volatile organic compound (VOC) sealants for use inside the pressure boundary that meet independent testing and verification protocols. Seal leaks less than 1/4" using fiberglass mesh and mastic Mastic alone is acceptable for holes less than 1/8" in size that are more than 10' from air handler if static operating pressure is less than 1" of Water Column, Seal leaks between 1/4" and 3/4" using a two stage process: install temporary tape as a backing material Seal with fiberglass mesh and mastic that extends at least 1" past the temporary tape on all sides, Repair leaks larger than 3/4" using a rigid duct patch Mechanically fasten patch before applying mastic Install fiberglass mesh and mastic over the seam, overlapping repair joint by at least 1" on all sides
Return Air Access w/Grill/Filter (Shall Match Existing Décor And Size As Needed)	EA				<b>Return Air Access w/Grill/Filter includes:</b> add a new return air grill as per work order size requested. Includes 1 year filter supply.
Supply Register Replacement (Shall Match Existing Décor And Size As Needed)	EA				<b>Supply Register Replacement includes:</b> replace due to damaged or non existing register.
Ceiling Boot (for Duct)	EA				<b>Ceiling Boot includes:</b> Use boots with a directional collar (e.g., 45 degree elbow) whenever ducting turns directly after the boot connection If using straight boots, connect an elbow to the boot before connecting the duct Do not connect flexible duct directly to a straight boot if it turns more than 15 degrees within 6' of boot connection
Install air vent jumper for room return air.	EA				<b>Install air vent jumper includes:</b> install and air seal a vent passthrough from room to return air. Includes grills and sealent



R-30 Blown cellulose Insulation	SFT				<b>R-30 Blown cellulose insulation includes:</b> the specific amount specified by the manufacturer to achieve the required insulation level. The price covers all associated in-process repairs necessary to complete the installation of the insulation. Funds for pre-existing repairs will be allocated to a different line item.
R-38 Blown cellulose Insulation	SFT				<b>R-38 Blown cellulose insulation includes:</b> the specific amount specified by the manufacturer to achieve the required insulation level. The price covers all associated in-process repairs necessary to complete the installation of the insulation. Funds for pre-existing repairs will be allocated to a different line item.
R-49 Blown cellulose Insulation	SFT				<b>R-49 blown cellulose insulation installation includes:</b> the specific amount specified by the manufacturer to achieve the required insulation level. The price covers all associated in-process repairs necessary to complete the installation of the insulation. Funds for pre-existing repairs will be allocated to a different line item.
New Scuttle Access - Complete Finish Install with Thermal Barrier. Per IRC CODE (foamtape, sheetrock, painted trim, R38 foamboard, caulking and screws.)	EA				<b>New Scuttle Access includes:</b> Cut the access hole as directed in the work order. This task includes foam tape, new sheetrock, painted trim, foam board equivalent to R-38, caulking and screws, baffling for the access, and any framing material needed to properly secure the access. The dam is at least 2 inches taller than the final attic insulation depth.
R-38 att lid foamboard install	EA				<b>R-38 att lid foamboard install includes:</b> Cut and stack rigid foam insulation, gluing with appropriate adhesive, to build up R-value. Hatch is insulated to the proper R-value, which is the maximum structurally allowable, up to the final insulation level of the surrounding attic.
Pull Down Stairs 375 LB - Complete Finish Install with Thermal Barrier Includes Caulking, Trim and any wood needed to secure stairs and the attic insulation cover.	EA				<b>Pull Down Stairs 375 LB includes:</b> Pull-down stairs, Attic pull-down stairs are safely and durably sealed and installed to prevent air movement.
Attic Insulated cover - For existing Pull Down. R - 38	EA				<b>Attic Insulated cover - For existing Pull Down. R - 38 includes:</b> insulated cover is designed to fit over existing pull-down attic stairs, providing an effective thermal barrier that enhances energy efficiency by reducing heat loss in the winter and heat gain in the summer. Rated at R-38, this cover helps maintain comfortable indoor temperatures and can contribute to lower energy bills. Designed specifically for existing pull-down attic stairs, making installation straightforward and quick. Made from high-quality, durable materials that withstand wear and tear. Prevents air leakage and drafts, enhancing overall energy efficiency.
Clean out existing insulation to air seal the attic per square foot.	SF				<b>Clean out existing insulation to air seal the attic per square foot includes:</b> inspect the attic to determine the type and condition of the existing insulation. Old insulation (e.g., fiberglass batts, cellulose) is carefully removed to avoid contamination or damage to the attic structure. This may involve vacuuming or manually taking out batts. The removed insulation is then transported to a disposal facility, adhering to local regulations.
Knee Wall Door/Access - Complete Finish Install (1x4, insulation, sash or barrel bolt lock, all weatherstripping and door.)	EA				<b>Knee Wall Door/Access includes:</b> solid core door, frame, weatherstripping, insulation, foam insulation, 1x4 trim, lock, and labor
Attic Airway Soffit Baffling	EA				<b>Attic Airway Soffit Baffling:</b> When vented eaves or soffits exist, mechanically fasten insulation baffles in every roof bay that extend above the final insulation level by at least 6"
1/2" Plywood Baffling (NO OSB)	LF				<b>Plywood Baffling includes:</b> install at porches, garages, and scuttle lids, mechanically fasten insulation baffles that extend above the final insulation level by at least 6"
Metal Baffling	LF				<b>Metal Baffling includes:</b> install at heated pipes, bath vents, kitchen vents. mechanically fasten insulation baffles that extend above the final insulation level by at least 6"
Gable Vent - Size per net free area needed	EA				<b>Gable Vents include:</b> Attic vent types will be consistent with requirements for their specific location (e.g., exterior soffit, gable end, roof) and material and intended use (e.g., metal vent on metal roof) Install only passive ventilation, no powered ventilators may be installed
Soffit Vent (any size)	EA				<b>Soffit vents include:</b> Attic vent types will be consistent with requirements for their specific location (e.g., exterior soffit, gable end, roof) and material and intended use (e.g., metal vent on metal roof) Install only passive ventilation, no powered ventilators may be installed
Ridge Venting - 4ft. Segments (Shingles Included)	EA				<b>Ridge Vents include:</b> Attic vent types will be consistent with requirements for their specific location (e.g., exterior soffit, gable end, roof) and material and intended use (e.g., metal vent on metal roof) Install only passive ventilation, no powered ventilators may be installed Install between 40 and 50 percent of attic ventilation within 3 feet of the highest point in the ventilated space Install attic vents in locations that prevent entry of wind-driven precipitation
Static Roof Vent (Size As Needed)	EA				<b>Static roof vents include:</b> Attic vent types will be consistent with requirements for their specific location (e.g., exterior soffit, gable end, roof) and material and intended use (e.g., metal vent on metal roof) Install only passive ventilation, no powered ventilators may be installed Install between 40 and 50 percent of attic ventilation within 3 feet of the highest point in the ventilated space Install attic vents in locations that prevent entry of wind-driven precipitation
<b>Wall Insulation</b>					
Blown Cellulose Wall Insulation R13 - Complete Install. Shall be Dense Packed 3.5 pounds per CU FT (maintenance log will be requested monthly.)	SF				<b>Blown Cellulose Wall Insulation R13 - Complete Install. Shall be Dense Packed 3.5 pounds per CU FT Includes:</b> Protect work area from debris and dust, Ensure balloon-framed walls are blocked at top and bottom. Ensure wall integrity is complete (no holes) Create access holes through the interior wall surface in a straight horizontal line sufficient to access the cavity with fill tube without damaging the wall surface. Fill 100% of each cavity with insulation to the correct density that prevents air movement. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.
Insulate attic knee wall with batt (sized per cavity) Includes backing material that complies with SWS	SF				<b>Insulate attic knee wall with batt (sized per cavity) Includes backing material that complies with SWS. Includes:</b> fiberglass batt insulation that fits the cavity to install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the wall cavity without gaps, voids, compressions, or misalignments **If batt contains a facing material, install it in contact with the conditioned space. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.
Insulate attic knee wall with blown cellulose insulation includes backing.	SF				<b>Insulate attic knee wall with blown cellulose insulation includes backing material that complies with SWS. Includes:</b> Blown Cellulose Install airtight, rigid, blocking material at all cavity openings that aligns with the pressure boundary and will not fail under dense pack pressures. Install airtight backing material over entire area to be insulated that will withstand dense packing pressures. Secure backing material using mechanical fasteners that penetrate the sub framing a minimum of 1" Fill 100% of each cavity with insulation to the correct density that prevents air movement. Install closure system over all access holes that is airtight and permanent. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.
Balloon Frame Blocking per Home as needed	SF				<b>Balloon Frame Blocking per Home as needed includes:</b> Ensure balloon-framed walls are blocked at top and bottom intact and able to support insulation weight and pressure with foamboard.
<b>Floor Insulation</b>					
Floor Insulation BATT R19 Complete Install per Code ( batt, 6 mil plastic vapor barrier, mastic, tape and hanger.)	SF				<b>Floor Insulation BATT R19 includes:</b> Select insulation that has a flame spread and smoke development index of 25/450 or less when tested in accordance with ASTM E84 or UL 723. Secure batts in full contact with the pressure boundary using physical fasteners that do not compress the insulation and have a minimum service life of 20 years (e.g., strapping, netting, wood strips, or rodent barrier), Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value

blown floor insulation R-19 (includes vapor barrier)	SF				<p><b>Blown Floor R19 insulation includes:</b> Select insulation that has a flame spread and smoke development index of 25/450 or less and backing material that has a smoke development index of 450 or less when tested in accordance with ASTM E84 or UL 723. Select rigid backing material that is a permanent air barrier, will support installed insulation without failure, Select sealants that are compatible with their intended surfaces, allow for differential expansion and contraction between dissimilar materials, meet the requirements of the applicable fire safety code (e.g., thermal or ignition barriers), are low volatile organic compound (VOC) sealants for use inside the pressure boundary that meet independent testing and verification protocols, Install an air barrier material over entire area to be insulated that will withstand insulation pressures, Secure backing material using mechanical fasteners, spaced a maximum of 6" apart, that penetrate the sub framing a minimum of 1", Seal all seams, joints, connections, etc. with a compatible sealant. <b>Installation must have a minimum of a 30-year service life.</b> Fill 100% of each cavity to capacity with the insulation in full contact with the air barrier, Install closure system over all access holes that is airtight and permanent, Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed</p>
Floor Insulation BATT R30 Complete Install per Code ( batt, 6 mil plastic vapor barrier, mastic, tape and hanger.)	SF				<p><b>Floor Insulation BATT R30 includes:</b> Select insulation that has a flame spread and smoke development index of 25/450 or less when tested in accordance with ASTM E84 or UL 723, Secure batts in full contact with the pressure boundary using physical fasteners that do not compress the insulation and have a minimum service life of 20 years (e.g., strapping, netting, wood strips, or rodent barrier), Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value</p>
Floor Insulation BATT R-11	SF				<p><b>Floor Insulation BATT R11 includes:</b> Select insulation that has a flame spread and smoke development index of 25/450 or less when tested in accordance with ASTM E84 or UL 723, Secure batts in full contact with the pressure boundary using physical fasteners that do not compress the insulation and have a minimum service life of 20 years (e.g., strapping, netting, wood strips, or rodent barrier), Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value</p>
Floor Insulation BATT R-38 Includes Vapor Barrier 6-Mil Plastic	SF				<p><b>Floor Insulation BATT R38 includes:</b> Select insulation that has a flame spread and smoke development index of 25/450 or less when tested in accordance with ASTM E84 or UL 723, Secure batts in full contact with the pressure boundary using physical fasteners that do not compress the insulation and have a minimum service life of 20 years (e.g., strapping, netting, wood strips, or rodent barrier), Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value</p>
Rigid Foam board R-5 for Foundation Wall	SF				<p><b>Rigid Foam Board includes:</b> Foil-Faced Foam Sheathing board is rigid polyisocyanurate foam sheathing that provides exceptional heat, moisture and air control</p>
Vapor barrier 6 mil plastic. Includes sealing all seams with mastic.	SF				<p><b>Vapor Barrier will include:</b> Select materials that, adequately support applied load and are permanent air barriers, meet the requirements of the applicable fire safety code (e.g. thermal or ignition barriers), 6- Mil for use inside the pressure boundary select low volatile organic compound (VOC) materials that meet independent testing and verification protocols, and pest-resistant materials that are rated for ground contact anywhere they are in contact with the exterior foundation walls, piers, or bare earth. Install steel wool or other pest-proof material as infill in gaps greater than 1/4" before sealing, Install support material for spans wider than 24", except when air barrier material is rated to span greater distance under load (e.g., wind, insulation) Apply a continuous seal at all seams, cracks, joints, penetrations, and connections of foundation walls, sills, floors, etc. that are adjacent to unconditioned spaces while applying sufficient pressure to push sealant into any gaps or cracks and contact any backing or infill material required Weatherstrip exterior access doors/hatches and seal door/hatch framing using compatible sealant</p>

### Refrigerators

Energy Star Refrigerator Installation Top Freezer (Cubic Foot 16-17) Recycle Exchange	EA				<p><b>Energy Star Refrigerator Installation Top Freezer includes:</b> Select an ENERGY STAR® qualified appliance, equivalent, or better, Select appliance with a minimum one-year warranty that provides a replacement appliance if repeated issues relating to health, safety, or performance occur, Ensure new appliance will not block access to light switches, cabinets, etc. and will fit through the smallest opening between the outside and installation location, Install appliance according to manufacturer specifications and applicable code, Permanently remove old appliance from job site and recycle or dispose of removed appliance and refrigerant in accordance with local and federal law (e.g., EPA Section 608 of Clean Air Act of 1990), Permanently decommission old appliance</p>
Energy Star Refrigerator Installation Top Freezer (Cubic Foot 18-19) Recycle Exchange	EA				<p><b>Energy Star Refrigerator Installation Top Freezer includes:</b> Select an ENERGY STAR® qualified appliance, equivalent, or better, Select appliance with a minimum one-year warranty that provides a replacement appliance if repeated issues relating to health, safety, or performance occur, Ensure new appliance will not block access to light switches, cabinets, etc. and will fit through the smallest opening between the outside and installation location, Install appliance according to manufacturer specifications and applicable code, Permanently remove old appliance from job site and recycle or dispose of removed appliance and refrigerant in accordance with local and federal law (e.g., EPA Section 608 of Clean Air Act of 1990), Permanently decommission old appliance</p>
Energy Star Refrigerator Installation Top Freezer (Cubic Foot 20-21) Recycle Exchange	EA				<p><b>Energy Star Refrigerator Installation Top Freezer includes:</b> Select an ENERGY STAR® qualified appliance, equivalent, or better, Select appliance with a minimum one-year warranty that provides a replacement appliance if repeated issues relating to health, safety, or performance occur, Ensure new appliance will not block access to light switches, cabinets, etc. and will fit through the smallest opening between the outside and installation location, Install appliance according to manufacturer specifications and applicable code, Permanently remove old appliance from job site and recycle or dispose of removed appliance and refrigerant in accordance with local and federal law (e.g., EPA Section 608 of Clean Air Act of 1990), Permanently decommission old appliance</p>
Energy Star Refrigerator Installation Top Freezer (Cubic Foot 22-23) Recycle Exchange	EA				<p><b>Energy Star Refrigerator Installation Top Freezer includes:</b> Select an ENERGY STAR® qualified appliance, equivalent, or better, Select appliance with a minimum one-year warranty that provides a replacement appliance if repeated issues relating to health, safety, or performance occur, Ensure new appliance will not block access to light switches, cabinets, etc. and will fit through the smallest opening between the outside and installation location, Install appliance according to manufacturer specifications and applicable code, Permanently remove old appliance from job site and recycle or dispose of removed appliance and refrigerant in accordance with local and federal law (e.g., EPA Section 608 of Clean Air Act of 1990), Permanently decommission old appliance</p>

Energy Star Refrigerator Installation Top Freezer (Cubic Foot 24-25) Recycle Exchange	EA				<b>Energy Star Refrigerator Installation Top Freezer includes:</b> Select an ENERGY STAR® qualified appliance, equivalent, or better, Select appliance with a minimum one-year warranty that provides a replacement appliance if repeated issues relating to health, safety, or performance occur, Ensure new appliance will not block access to light switches, cabinets, etc. and will fit through the smallest opening between the outside and installation location, Install appliance according to manufacturer specifications and applicable code, Permanently remove old appliance from job site and recycle or dispose of removed appliance and refrigerant in accordance with local and federal law (e.g., EPA Section 608 of Clean Air Act of 1990), Permanently decommission old appliance
Energy Star Side by Side Refrigerator Installation (Cubic foot 26) (Per Case by Case) Recycle Exchange	EA				<b>Energy Star Refrigerator Installation Top Freezer includes:</b> Select an ENERGY STAR® qualified appliance, equivalent, or better, Select appliance with a minimum one-year warranty that provides a replacement appliance if repeated issues relating to health, safety, or performance occur, Ensure new appliance will not block access to light switches, cabinets, etc. and will fit through the smallest opening between the outside and installation location, Install appliance according to manufacturer specifications and applicable code, Permanently remove old appliance from job site and recycle or dispose of removed appliance and refrigerant in accordance with local and federal law (e.g., EPA Section 608 of Clean Air Act of 1990), Permanently decommission old appliance
Energy Star Refrigerator Installation side by side (Cubic Foot 24-25) Recycle Exchange	EA				<b>Energy Star Refrigerator Installation Top Freezer includes:</b> Select an ENERGY STAR® qualified appliance, equivalent, or better, Select appliance with a minimum one-year warranty that provides a replacement appliance if repeated issues relating to health, safety, or performance occur, Ensure new appliance will not block access to light switches, cabinets, etc. and will fit through the smallest opening between the outside and installation location, Install appliance according to manufacturer specifications and applicable code, Permanently remove old appliance from job site and recycle or dispose of removed appliance and refrigerant in accordance with local and federal law (e.g., EPA Section 608 of Clean Air Act of 1990), Permanently decommission old appliance
<b>Water Savers</b>					
Low Flow Shower Head (Must Be "Water Sense") (<2.5 GPM) includes anti-scald valve.	EA				<b>Low Flow Shower Head includes:</b> Select showerheads rated for 2.5 gallons per minute (GPM) or less that include an anti-scald valve Verify current plumbing infrastructure is sufficient to support the installation(s), and water is free of visible debris that may clog the equipment, Install equipment in accordance with manufacturer specifications and applicable building code. Install low-flow devices using a non-hardening thread sealant (i.e., thread tape) Permanently decommission old equipment, Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.
Water Sense Shower Wand (<2.5 GPM)	EA				<b>Low Flow Shower Head includes:</b> Select showerheads rated for 2.5 gallons per minute (GPM) or less that include an anti-scald valve Verify current plumbing infrastructure is sufficient to support the installation(s), and water is free of visible debris that may clog the equipment, Install equipment in accordance with manufacturer specifications and applicable building code. Install low-flow devices using a non-hardening thread sealant (i.e., thread tape) Permanently decommission old equipment, Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.
Low Flow Faucet Aerator (<2.2 GPM) (Must Be "Water Sense")	EA				<b>Low Flow Faucet Aerator includes:</b> Verify current plumbing infrastructure is sufficient to support the installation(s) and water is free of visible debris that may clog the equipment, Install equipment in accordance with manufacturer specifications and applicable building code. Install low-flow devices using a non-hardening thread sealant (i.e., thread tape) Permanently decommission old equipment, Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information
Elastomeric Pipe Insulation w/ Zip Ties installed first 6' of hot and cold water pipes. (12 FT. Segment)	EA				<b>Elastomeric Pipe Insulation w/ Zip Ties includes:</b> (Shall be compatible for HVAC line set) (must be R-3, is a vapor retarder, and has the correct interior Diameter to match pipes.) (if installed outside must be UV protected.) Confirm sufficient clearance exists between pipes and heat-producing devices (e.g., combustion venting) Install insulation without gaps, Do not install insulation around pumps, Seal all pipe insulation seams, joints, connections with tape, tie straps, or other independent means (i.e., manufactured adhesive seam seal is not sufficient) Maintain a minimum clearance of 6" between combustible pipe insulation and fuel-fired water heater draft hood and/or single wall metal vent materials.
Fiberglass Water Heater Insulation Blanket - Minimum R10. Shall include all fasteners	EA				<b>Fiberglass Water Heater Insulation Blanket includes:</b> minimum of R-10, has a flame spread and smoke development index of 25/450 or less when tested in accordance with ASTM E84 or UL 723. Install insulation according to manufacturer specifications over entire storage tank while ensuring that insulation does not obstruct pressure relief valve, plumbing pipes, gas valves, combustion air intakes, etc. Permanently secure insulation with minimal compression, Seal all seams and edges airtight using compatible and durable tape. Pre-cut flaps at access plates and label them clearly indicating access purpose. Tape access flaps closed
<b>Thermostat</b>					
Thermostat Wire #18/5, Installation (Heating/Cooling)	LF				
Heat pump double-setback- programmable thermostat W/ backlight	EA				<b>Heat pump double-setback-Programmable Thermostat w/ Backlight Energy Star Includes:</b> Verify that sufficient number of thermostat wires is available to meet the needs of the replacement unit and the existing system, Select a double-setback programmable thermostat that allows for full functionality of the installed system (supplementary heat, emergency heat, fan only, ventilation control, etc.) Program the thermostat to match the equipment and control board settings per manufacturer specifications, Set time delay for fan start in accordance with manufacturer specifications and as appropriate for the climate zone (e.g., no time delay for hot humid climates, longer time delay for cold climates) Connect supplementary heat to second-stage heating terminal in accordance with manufacturer specifications. Install and connect outdoor temperature sensor that is compatible with the thermostat in accordance with manufacturer specifications. Calculate and select an optimum thermal balance point for supplementary heat operation in accordance with Manufacturer specifications. Program the thermostat setbacks to a schedule that accommodates the occupant and reduces overall run time, Seal penetrations for control wiring with a durable sealant (e.g., caulk, silicone) that complies with applicable fire safety code. Provide occupants/owners with user's manual, warranty information, installation instructions and installer contact information
Double-setback-Programmable Thermostat w/ Backlight Energy Star	EA				<b>Programmable Thermostat w/ Backlight Energy Star Includes:</b> Verify that sufficient number of thermostat wires is available to meet the needs of the replacement unit and the existing system, Select a double-setback programmable thermostat that allows for full functionality of the installed system (supplementary heat, emergency heat, fan only, ventilation control, etc.) Program the thermostat to match the equipment and control board settings per manufacturer specifications, Set time delay for fan start in accordance with manufacturer specifications and as appropriate for the climate zone (e.g., no time delay for hot humid climates, longer time delay for cold climates) Program the thermostat setbacks to a schedule that accommodates the occupant and reduces overall run time, Seal penetrations for control wiring with a durable sealant (e.g., caulk, silicone) that complies with applicable fire safety code. Provide occupants/owners with user's manual, warranty information, installation instructions and installer contact information
<b>Solar Screens</b>					
90% Solar Screen fabric and frame	SF				<b>Solar Screen includes:</b> Install in the following order: i. West, South, East, then North side of house. If the windows are covered by any permanent shading structure, then solar screens/window film cannot be installed on that window. Low E window install is allowed.

90% Solar Screen - Arch Windows	EA				<b>Solar Screen includes:</b> Install in the following order: i. West, South, East, then North side of house. If the windows are covered by any permanent shading structure, then solar screens/window film cannot be installed on that window, line item is a fixed price for arched solar screens.
Remove Burglar Bars @ Windows - (No Reinstall unless applicable safety devices installed) Waiver must be signed!	EA				Burglar bar removal <b>if approved by client</b> and required for the install of glass, window unit sealing, or solar screens.
<b>Incidental Repairs</b>					
3/4" Plywood - Treated	SFT				<b>Treated Plywood includes:</b> Treated for protection against fungal decay, rot and termites, it is ideal for ground contact and a variety of general uses including exposed structures, sill plates, decks, docks, ramps and other outdoor applications.
Mobile home skirting match decor	LFT				<b>Mobile Home Skirting includes:</b> vinyl skirt panel, starter strip, ground contact lumber for bottom, all fasteners
Gutters	LFT				<b>Gutters include:</b> gutter materials, all fasteners
Down Spouts gutters	EA				<b>Gutter Down Spouts include:</b> down spout, straps, fasteners
Metal Siding for mobile homes	SFT				<b>Metal Siding includes:</b> Replaces vertical mobile home exterior metal panels. Attractive white mesa deluxe pattern. Metal steel .032 Gage panel is primed on both sides and then finished with a baked-on durable paint. Cedar embossed wood-grain finish. Can be re-painted desired color. All fasteners included
T-105 siding size as needed	LFT				<b>T-105 Siding includes:</b> Pattern # 105 has a "curved" reveal that displays in between the boards, blind nail and fasteners.
T1-11, 19/32" Premium Plywood Siding 4" or 8" On Center Grooves	EA				<b>T1-11 Siding includes:</b> Plywood siding features a rough-sawn textured face for a beautiful rustic appearance. Attractive 8 in. or 4 in. groove pattern
12" X 24" tile cement siding	SF				<b>Tile Cement Siding includes:</b> fiber cement siding is the one and only solution for replacing or repairing old asbestos siding shingles. It is available in a variety of sizes and shapes to match many of the old siding shingles installed over the last 60-years, pre-primed siding shingles contain no asbestos.
Hardie Siding (Shall Match Existing Décor and Size)	SF				<b>Hardie Siding includes:</b> Hardie Plank Fiber Cement Lap Siding has a woodgrain appearance making it ideal for exteriors where a traditional wood siding look is desired. ASTM E136 noncombustible cladding will not attract pests including termites and woodpeckers. HZ10 engineering means it is made to withstand high heat, humidity, moisture, hail, tropical storms and hurricane winds. Board is factory primed using a primer with a slight yellow hue
Lap Siding "SMART" (Shall Match Existing Décor and Size)	LF				<b>Smart Lap Siding includes:</b> SmartSide Textured Strand Lap Siding delivers a natural wood appearance with the durability of engineered products. It includes a unique beveled edge for water shedding. It's strong, light and easy to work with.
Brick Molding @ Stucco/Brick/Stone	LF				<b>Brick Molding:</b> WM 180 Prime Finger-Jointed Brick Mold is used to seal around exterior doors and windows. Prime Finger-Jointed WM 180 Brick Mold helps shield your exterior openings from the elements while providing protection from water infiltration
LP Smart Siding Cedar shakes	EA				<b>LP Smart Siding Cedar shakes include:</b> The look of traditional cedar with easier maintenance over time Staggered edges offer a lively, textured effect Can be used on all exterior walls or as a decorative accent Shiplap ends for seamless appearance Reversible staggered or straight edge offers exceptional design versatility
Install Service Light in Attic (Up to 25 LF 12/2 wire, Housing, LED Bulb, Safety Cage, Switch and all Permits)	EA				<b>Install Service Light in Attic includes:</b> Up to 25 LF 12/2 wire, Housing, LED Bulb, Safety Cage, Switch and all Permits
Galvanized Steel Electrical Conduit w/ all accessories	LF				<b>Galvanized Steel Electrical Conduit includes:</b> EMT is designed to protect and route cables and conductors. It can be installed either exposed or concealed. Install it inside or outside using rain-tight fittings. This EMT is made of an unthreaded galvanized steel and has an organic coating inside.
12 Gauge, 2 Conductor Romex 115 volt Line - Wire/Run Only	LFT				<b>12 Gauge, 2 Conductor Romex includes:</b> Type NM-B (nonmetallic-sheathed cable) may be used for both exposed and concealed work in normally dry locations at temperatures not to exceed 90 degree C (with-Ampacity limited to that for 60 degree C conductors) as specified in the NEC 1. NM-B cable is primarily used in residential wiring as branch circuits for outlets, switches and other loads. NM-B cable may be run in air voids of masonry block or tile walls where such walls are not subject to excessive moisture or dampness.
15/20 AMP Single Pole Circuit Breaker at Existing Electrical Panel Box	EA				<b>15/20 AMP Single Pole Circuit Breaker:</b> Thermal-Magnetic circuit breaker technology provide overload and short-circuit protection for the entire circuit, including the home run.
15/20 AMP Single Pole Switch Receptacle - Includes connecting wires and cover plate	EA				<b>15/20 AMP Single Pole Switch includes:</b> These white 15 Amp Single-Pole Switches are intended for demanding residential applications. They are impact-resistant and constructed of durable thermoplastic. They feature a combination of side wiring and Quick wire push-in wiring for fast installation.
Edison Breakers (AMP Size Per Load Needed)	EA				<b>Edison Breakers include:</b> circuit breakers with an Edison base, which is similar to a light bulb base, and are used to replace Edison base plug fuses in residential fuse panels
220V- Single Pole Circuit Breaker at Existing Electrical Panel Box (AMP Size Per Load Needed)	EA				<b>220V- Single Pole Circuit Breaker include:</b> Single-Pole Tandem Circuit Breaker consists of (2) single-pole breakers in 1 pole space. It is used for overload and short-circuit protection of your electrical system.
10 Gauge, 220V, 2 Conductor Romex Line Installation - Wire/Run Only (NM-B, UF-B)	LF				<b>10 Gauge, 2 Conductor Romex includes:</b> Type NM-B (nonmetallic-sheathed cable) may be used for both exposed and concealed work in normally dry locations at temperatures not to exceed 90 degree C (with-Ampacity limited to that for 60 degree C conductors) as specified in the NEC 1. NM-B cable is primarily used in residential wiring as branch circuits for outlets, switches and other loads. NM-B cable may be run in air voids of masonry block or tile walls where such walls are not subject to excessive moisture or dampness.
30 To 50 Amp Single Pole Circuit Breaker at Existing Electrical Panel Box	EA				<b>Single Pole Circuit Breaker includes:</b> Thermal-Magnetic circuit breaker technology provide overload and short-circuit protection for the entire circuit, including the home run.
Junction box/ Installation / Cover Plate (Shall Match Existing Décor And Size)	EA				<b>Junction Box includes:</b> 2 gang box, cover plate and installation
15-20 amp arch fault breakers	EA				<b>Arc Fault Breakers include:</b> Single-Pole Combination Arc-Fault Circuit Interrupting (CAFCI) Circuit Breaker is for use to help protect your wires from arcing faults and is intended for overload and short-circuits protection of your electrical system.
Grounded Duplex Receptacle - Includes connecting wires and cover plate	EA				<b>Grounded Duplex Receptacle includes:</b> duplex receptacle, cover plate and wiring



Aluminum Foil/Butyl Rubber Patch	SF				<b>Butyl Rubber Patch includes:</b> Flashing Roll helps weatherproof. It will keep out the weather with a pliable design with no VOCs. It's easy to install with a peel-and-stick design or with caulk or sealant for long-term use.
Galvanized Sheet Metal	SF				<b>Galvanized Sheet Metal includes:</b> galvanized steel roll is a versatile, rust-resistant flashing can be bent, cut and shaped for many weatherproofing projects. This product is used by professional contractors and homeowners to produce custom flashings.
White or Aluminum Roof Coat	SF				<b>Roof Coating includes:</b> ultra-premium fibered aluminum roof coating that forms a shiny, tough, reflective surface. It can decrease heating and air conditioning costs and keeps the inside temperature of a building cooler in summer. This coating is designed for use on the roofs of barns, homes, garages and mobile homes.
Roof Repair - Complete Install (shingles, tar and nails)	SFT				<b>Repair Roof includes:</b> removal of damaged shingles, and underlayment. Repair roof decking. Installing new underlayment and shingles to match existing as much as possible.
Roof Cement 10.3 oz. Tube	EA				<b>Roof Cement includes:</b> Roof Cement patches roof leaks, repairs cracks and splits, and seats joints and flashings. This plastic roof cement is suitable for both residential and commercial applications. Product is easy to apply with a roofing trowel, putty knife or caulking gun.
Casing trim installed where needed. All inclusive install	LFT				<b>Casing Trim includes:</b> Primed Finger-Joint Pine Casing enhances the character of any room opening by encasing the area around doors or windows where the frame meets the drywall. It hides gaps and breathes life into your room. This pine casing is easy to work with and is primed so it can be painted as desired.
Brass Kick Plate	EA				<b>Kick plate includes:</b> Perfect for doors, each Bright Brass Kick Plate adds a decorative accent to doors in high traffic areas. Made from aluminum, each kick plate is designed to last. All mounting hardware is included.
Brass/Nickel Slide Bolt and Keeper	EA				<b>Slide Bolt includes:</b> Surface Bolt is the versatile locking solution. Easy to install and constructed of durable solid brass, the 4" long surface bolt can be mounted horizontally or vertically and includes a surface mount keeper and a mortise-style keeper to accommodate a variety of applications. With a satin nickel finish
Deadbolt Double Cylinder Brass	EA				<b>Double Cylinder Deadbolt includes:</b> This double cylinder deadbolt is operated by a key on both sides. The Polished Brass finish adds to the traditional look and feel of the product and makes a classic statement.
Exterior Door Adjustment (remove door and trim, shim to square door reinstall trim and door.)	EA				<b>Exterior Door Adjustment includes:</b> remove door, remove trim, shim door frame to square, re-install trim, re-install door, adjust hinges so door is square in frame and closes properly.
Keyed Alike Lockset Single Cylinder Brass (Includes Key lock and Dead bolt) Any Finish	EA				<b>Lock set includes:</b> This combo pack provides 2 locking points - keyed entry and a keyed deadbolt. The Satin Chrome finish gives the product a modern and minimalist look. SmartKey Re-key Technology allows you to control who has access to your home. Re-key the lock yourself in seconds in 3 easy steps.
Passage knob @ Furnace, Water Heater, and Interior Doors as applicable	EA				<b>Passage Knob includes:</b> This passage knob/lever is best used on interior hall and closet applications where no locking is required. The knob/lever is reversible and mounts on both left and right handed doors.
Remove & Reinstall Storm/Screen Doors	EA				<b>Includes:</b> all materials and labor to remove and reinstall storm door for weatherization
Single Sided Deadbolt Lock Brass (Multi Family Units Only)	EA				<b>Single Cylinder Deadbolt:</b> This single cylinder deadbolt can be locked or unlocked by a key on the outside, or the turn button on the inside. SmartKey Security re-key technology allows you to control who has access to your home. Re-key the lock yourself in seconds in 3 easy steps.
Sliding Glass Door Repair To Working Order includes all materials and labor	EA				<b>Sliding glass door repair includes:</b> all materials, labor needed to bring a sliding glass door back to working order
Standard Residential Strike Plate (Any Finish)	EA				<b>Strike Plate includes:</b> T-strike Door Latch Strike is for use as a secondary lock or as a replacement latch on sliding screen doors and can be used on both wood and metal jambs. The latch guard cover is compatible with most Grade 2 locksets, and it meets ANSI A156.2. The strike has a solid brass constructed latch and keeper with a classic bronze plated finish. All the necessary mounting hardware is included for a quick and easy installation.
Wall Bumper, 5" Diameter with Rubber Pad (Aluminum or White)	EA				<b>Wall Bumper includes:</b> This is a 5 in. diameter wall protector. It is constructed of white vinyl and is self adhesive. The surface is paintable and textured. Helps to protect your walls from impact damage from a door knob, and is ideal for repair on walls that have already sustained damage from a door knob.
"Z" Aluminum Flashing	EA				<b>Z Flashing includes:</b> Galvanized Steel Z-Flashing is made from 30 gauge galvanized steel. It is used to protect the horizontal joints between sheets of siding from water infiltration. The large leg of the metal goes against the wall, leaving the seat and face covering the top edge of the siding. The seat dimension corresponds to the siding thickness.
Jalousie Window Crank Handle (Any Finish)	EA				<b>Window Crank Handle includes:</b> Casement Window Crank Handle has a smooth 360-degree operation that allows you to easily open and close windows as needed. It features durable, diecast construction with a white finish, as well as easy installation. A Phillips head screwdriver is required for the easy slip-on installation.
Remove and Reinstall Burglar Bars @ Entry Door(s)	SF				<b>Includes:</b> all materials and labor to remove and reinstall Burglar Bars for weatherization
Window Removal (Eliminations Only)	EA				<b>Includes:</b> all materials, and labor to remove a window
Solid Brass Sash & Lock w/ Keeper	EA				<b>Includes:</b> Sash Locks are used on vinyl or wood windows to lock and seal window from the outside elements.
White Vinyl Window Sash & Lock w/ Keeper	EA				<b>Includes:</b> These locks can mount on most single-hung and double-hung vertical sliding windows constructed of vinyl. Each lock features a cam-type mechanism that is designed to draw the keeper in firmly towards the lock, providing your windows with tighter seals, better weatherizing, and increased security. They are constructed of heavy-duty vinyl composite material, and come in a corrosion-resistant, industry standard white smooth finish to match other existing hardware that may already be in the home. Depending on the size of the sash, these locks can be used as singles or in pairs. Each set includes one lock and keeper, installation fasteners and simple instructions.
Window Sash and Stile Adjustment	EA				<b>Includes:</b> all materials, and labor to adjust sash and stile to bring a window into proper working order.
Window Sill, Exterior (Primed 2x6)	LF				<b>Includes:</b> 2x6 treated pine or cedar, fasteners, primed
Window Sill, Interior (Primed 1x6)	LF				<b>Includes:</b> 1x6 white wood or FJ pine, fasteners, primed

Pipe Vent Flashing - Complete Finish Install	EA				<b>Includes:</b> adjustable pipe flashing can accommodate 3 in. or 4 in. Type "B" installations. The elastomer collar has been tested for ultraviolet, ozone and weather resistance and heat tested to 180°F. This adjustable pipe flashing has a 24-Gauge galvanized steel base suitable for commercial or residential use.
CAZ Closet - Complete Finish (Air Seal When In-Condition Space)(Can Be Use For Electric Water Heater and Gas Outdoor Includes shingles)( prim all 6 sides of wood for closet.) Line item has \$500 cap	EA				<b>CAZ Closet includes:</b> all materials, and labor, including door, weather strip, siding to match, shingles to match, prime siding
CAZ Closet Repair (Can Be Use For Electric Water Heater and gas Outdoor)( prim all 6 sides of wood for closet.) Line item has \$500 cap	SF				<b>CAZ Closet Repair includes:</b> all materials, and labor to repair a closet to weather resistant state to protect appliance.
Wood Trim 1x4 - Primed on 6 Sides	LF				<b>1x4 wood trim includes:</b> pine or FJ trim, must be primed
1x2 Wood Trim - Primed on 6 Sides	LF				<b>1x2 wood trim includes:</b> pine or FJ trim, must be primed
Double Header w/ Fitch Pneumatic Nailed	EA				<b>Double Header includes:</b> double 2x pine sized correctly for opening, plywood sandwich between. Pneumatic nailed in proper pattern to distribute load.
2" x 4"-8'L Wood Stud 16" O.C. 8' High Pneumatic Nailed	EA				<b>Includes:</b> stud set 16" O.C. and nailed pneumatically
2" x 6"-8'L Wood Stud 16" O.C. 8' High Pneumatic Nailed	EA				<b>Includes:</b> stud set 16" O.C. and nailed pneumatically
3/4" OSB Plywood - Premium	SFT				<b>Includes:</b> OSB is a material with high mechanical properties that make it particularly suitable for load-bearing applications in construction. The most common uses are as sheathing in walls, flooring, and roof decking.
Removal of Air Handler - Inoperable System w/ no Replacement (Shall Include Sealing Of platform hole)	EA				<b>Includes:</b> materials and labor to remove air handler, seal platform plenum hole.
Remove & Reinstall A/C Window Unit	EA				<b>Includes:</b> materials and labor to remove and reinstall window unit to facilitate weatherization procedures
Remove A/C Window Unit Only - No Reinstallation	EA				<b>Includes:</b> materials and labor to permanently remove a window unit.
Diagnostics for appliance repairs	EA				<b>Includes:</b> materials and labor to diagnose issues to repair an appliance.
Electrical disconnect w/Whip at Existing Water Heater. includes straps	EA				<b>Includes:</b> disconnect box,flex conduit, correct size wire, wall straps
Thermal Coupling Replacement ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Disconnect the Old Thermocouple: Install the New Thermocouple: Check for Leaks: Test the Water Heater
Gas Burner Assembly( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Remove the Old Burner Assembly: Install the New Burner Assembly: Reconnect Gas Supply: Reignite the Pilot Light: Check for Leaks: Test the Water Heater
Thermostat Valve Control ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Disconnect the Old Thermostat: Install the New Thermostat: Turn On Gas: Test the Water Heater:
Heating element replacement ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Drain the Water Heater: Remove the Access Panel: Disconnect the Old Heating Element: Install the New Heating Element: Reinstall the Access Panel: Refill the Water Heater: Turn On Power: Test the Water Heater
Anode Rod Replacement( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Drain Some Water from the Tank: Locate the Anode Rod: Remove the Old Anode Rod: Install the New Anode Rod: Refill the Water Heater: Turn On Power or Gas: Check for Leaks
Water heater copper line replacement size as needed. ( full install includes all necessary parts and labor for replacement.)	EA				<b>includes:</b> Drain the Water Heater: enough to lower the water level below the copper line you're replacing.Remove the Old Copper Line: Prepare the New Copper Line: Install the New Copper Line: Reconnect the Water Supply: Refill the Water Heater:Turn On Power or Gas: Check for Leaks
Igniter Replacement( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off Power and Gas: Access the Ignitor: Disconnect the Old Ignitor: Install the New Ignitor Reattach the Access Panel: Turn On Power and Gas: Test the Water Heater:
Water shutoff valve ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off the Water Supply Drain the Water Heater: Disconnect the Old Shut-Off Valve: Install the New Shut-Off Valve: Check for Leaks: Test the System
Water heater drain pump for PRV. ( complete install, turn key includes all electrical and pipes needed to complete the job.)	EA				<b>Includes:</b> Choose a Proper Drain Pump: Connect the PRV Discharge Pipe to the Pump Inlet: Set Up the Drain Pump: Power the Pump: Test the System
Stop flow valve (Include price for 110V power source)	EA				<b>Includes:</b> Turn Off the Main Water Supply: Drain the Water Line: Locate the Valve Installation Site: Remove the Old Valve (if applicable): Install the New Electric Valve: Connect the Sensors: Connect the Power Supply: Test the System:
Hot surface igniter replacement ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off Power and Gas: Locate the Igniter: Disconnect the Igniter: Remove the Old Igniter: Install the New Igniter: Reconnect the Wires: Test the New Igniter: Reassemble the Unit: Restore Power and Gas
Pilot light replacement( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off Power and Gas: Access the Pilot Light Assembly: Disconnect the Pilot Light Assembly: Remove the Old Pilot Light Assembly: Install the New Pilot Light Assembly: Check for Gas Leaks: Relight the Pilot Light:Test the Furnace or Water Heater

Gas valve replacement( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off Power and Gas: Access the Gas Valve:Disconnect the Wires: Disconnect the Gas Line: Remove the Old Gas Valve: Install the New Gas Valve: Reconnect the Wires: Check for Gas Leaks: Test the New Gas Valve
Thermal couple replacement ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off Power and Gas: Access the Pilot Light and Thermocouple: Remove the Old Thermocouple: Install the New Thermocouple: Reconnect the Thermocouple to the Gas Valve: Turn the Gas Supply Back On: Relight the Pilot Light: Test the Furnace
Flame sensor replacement ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off Power and Gas: Locate the Flame Sensor: Remove the Flame Sensor: Disconnect the Sensor Wire: Install the New Flame Sensor: Test the Furnace
Draft inducer motor ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off Power and Gas: Locate the Draft Inducer Motor: Disconnect Electrical Wires: Disconnect the Vent Pipe: Remove the Draft Inducer Motor: Install the New Draft Inducer Motor: Reconnect the Electrical Wires: Turn the Power and Gas Back On: Test the Furnace
Pressure switch replacement( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off Power and Gas: Locate the Pressure Switch: Disconnect the Pressure Switch Wires: Disconnect the Tubing: Remove the Pressure Switch: Install the New Pressure Switch: Reconnect the Tubing: Reconnect the Wires: Test the Furnace
Blower motor replacement ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off Power and Gas: Access the Blower Compartment: Disconnect the Electrical Wires: Remove the Blower Assembly: Remove the Old Blower Motor: Install the New Blower Motor: Reconnect the Electrical Wires: Reassemble the Blower Assembly: Test the System
Blower motor capacitor replacement ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off the Power: Access the Blower Compartment: Locate the Capacitor: Discharge the Capacitor: Remove the Old Capacitor: Install the New Capacitor: Reassemble the Unit: Test the System:
Furnace limit switch replacement ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off the Power to the Furnace: Locate the Limit Switch: Identify the Limit Switch: Disconnect the Wires: Remove the Old Limit Switch: Install the New Limit Switch: Reassemble the Furnace: Turn the Power Back On: Test the Furnace:
Thermostat control valve replacement ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off the HVAC System: Relieve Pressure and Drain the System: Locate the Thermostat Control Valve: Disconnect the Pipes: Remove the Old Valve: Prepare the New Valve: Install the New Valve: Reconnect the Pipes: Refill and Pressurize the System: Test the System:
Manual control valve replacement ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off the HVAC System: Relieve Pressure and Drain the System: Locate the Manual Control Valve: Loosen the Connections: Remove the Old Valve: Prepare the New Valve: Install the New Valve: Reconnect the System: Check for Leaks: Test the Valve
Thermal couple replacement ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off the Gas and Power: Access the Pilot Light Assembly: Disconnect the Old Thermocouple: Remove the Old Thermocouple: Install the New Thermocouple: Reconnect to the Gas Valve: Turn the Gas and Power Back On: Relight the Pilot Light: Test the Furnace:
TXV replacement ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off Power and Isolate the System: Recover Refrigerant: Locate the TXV: Disconnect the Liquid and Suction Lines: Remove the TXV: Inspect and Replace Gaskets/O-Rings: Install the New TXV: Reconnect the Liquid and Suction Lines: Evacuate the System: Recharge the System: Restore Power and Test the System: Check for Leaks:
Compressor replacement ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off Power and Isolate the System: Recover Refrigerant: Remove the Access Panels: Disconnect Electrical Connections: Disconnect the Refrigerant Lines: Remove the Old Compressor: Prepare for the New Compressor: Install the New Compressor: Reconnect Refrigerant Lines: Reconnect Electrical Connections:Evacuate the System: Recharge the System: Restore Power and Test the System: Check for Leaks:
Condenser fan replacement ( full install includes all necessary parts and labor for replacement.)	EA				<b>Includes:</b> Turn Off Power: Access the Condenser Unit: Disconnect the Fan Wires: Remove the Fan Blade: Remove the Old Fan Motor: Install the New Fan Motor: Reattach the Fan Blade: Reconnect the Electrical Wires: Replace the Access Panel: Restore Power: Test the Condenser Fan: Check for Proper Cooling;
Vent Out Plumbing Stack	EA				<b>includes:</b> roof jack, pvc pipe, roof sealant, and labor
Bathroom Faucet Must be water sence rated	EA				<b>includes:</b> must be 1.5 gpm or lower, all materials and labor to install
Kitchen Faucet Must be water sence rated	EA				<b>includes:</b> must be 1.5 gpm or lower, all materials and labor to install
Shoe Molding 1/4" round for baseboards	LF				<b>Including:</b> Quarter Rounds are used to cover the expansion space between flooring and a vertical structure or wall, and may be used in conjunction with base. They provide a subtle transition between wall base and flooring, or can be used under cabinet toe kicks where base won't fit.
CDX plywood	EA				<b>Includes:</b> Plywood sheathing delivers outstanding rigidity, strength and versatility, and is an excellent choice for light frame wall and roof assemblies in weather protected applications. Structural sheathing for wall, roof and floor applications Long-term durability with resistance to edge swell Excellent fastener holding properties
<b>HVAC- Includes all refrigerant flush</b>					
Drain pan with float switch and PVC drain pipe	EA				<b>Drain pan includes:</b> Install a secondary drain pan under all condensing appliances installed in or above conditioned space and where water damage may occur to the structure Install an independent condensate drain for the secondary drain pan that drains to a visible termination location Slope drain pan towards the condensate drain
18K BTU Central A/C Condenser & Coil (Includes Disconnect Whip/Refrigerant)(The components must have a valid AHRI rating to meet 15 SEER and or 14.3 SEER 2) (cooling equipment shall be sized in accordance with ACCA Manual S based on building loads calculated in accordance with ACCA Manual J)	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 75 degrees for cooling and 70 degrees for heating Select cooling equipment capable of meeting the sensible and latent load of the building that is not sized more than 115% of total load or next available size Select heating equipment of the lowest capacity required to meet the design heating load and provide the air volume required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent



<p><b>9,000 BTU (.75 Ton) 19 SEER / 10 HSPF - S2 SERIES - 208/230V Single Zone Ductless Mini-Split Heat Pump System Includes thermostat, wires, breakers, drain line, permits, Condenser pad, all turn key installs.</b></p>	EA				<p>Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 75 degrees for cooling and 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select system that is ENERGY STAR® certified or equivalent Select outdoor units that are corrosion-protected for marine climate zones .</p>
<p><b>12,000 BTU (1 Ton) 19 SEER/10 HSPF - S2 SERIES - 208/230V Single Zone Ductless Mini-Split Heat Pump System Includes thermostat, wires, breakers, drain line, permits, Condenser pads, all turn key installs.</b></p>	EA				<p>Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 75 degrees for cooling and 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select system that is ENERGY STAR® certified or equivalent Select outdoor units that are corrosion-protected for marine climate zones .</p>
<p><b>18,000 BTU (1.5 Ton) 19 SEER/10 HSPF - S2 SERIES - 208/230V Single Zone Ductless Mini-Split Heat Pump System Includes thermostat, wires, breakers, drain line, permits, Condenser pad, all turn key installs.</b></p>	EA				<p>Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 75 degrees for cooling and 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select system that is ENERGY STAR® certified or equivalent Select outdoor units that are corrosion-protected for marine climate zones .</p>
<p><b>24,000 BTU (2 Ton) 19 SEER/10 HSPF - S2 SERIES - 208/230V Single Zone Ductless Mini-Split Heat Pump System Includes thermostat, wires, breakers, drain line, permits, Condenser Pad, all turn key installs.</b></p>	EA				<p>Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 75 degrees for cooling and 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select system that is ENERGY STAR® certified or equivalent Select outdoor units that are corrosion-protected for marine climate zones .</p>
<p><b>18K BTU, 90%+ AFUE Central System (Complete System Install) ,15.2 SEER2, 12 EER2, energy star</b></p>	EA				<p>Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent</p>
<p><b>24K BTU, 90%+ AFUE Central System (Complete System Install) 15.2 SEER2, 12 EER2, energy star</b></p>	EA				<p>Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent</p>
<p><b>30K BTU, 90%+ AFUE Central System (Complete System Install)15.2 SEER2, 12 EER2, energy star</b></p>	EA				<p>Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent</p>

36K BTU, 90%+ AFUE Central System (Complete System Install) 15.2 SEER2, 12 EER2, energy star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
42K BTU, 90%+ AFUE Central System (Complete System Install)15.2 SEER2, 12 EER2, energy star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
48K BTU, 90%+ AFUE Central System (Complete System Install) 15.2 SEER2, 12 EER2, energy star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
60K BTU, 90%+ AFUE Central System (Complete System Install) 15.2 SEER2, 12 EER2, energy star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
Freestanding Wall Furnace Kit	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
90%+ AFUE Direct Vent Wall Furnace (Complete Install)	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
35K BTU LPG or Natural Gas Wall Furnace (Complete System Install) (Shall Come with Blower If 115V Present)	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
5-30K BTU Space Heater – Direct Vent w/Blower (Gas/LPG)(ODS)	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
31K + BTU Space Heater – Direct Vent w/Blower (Gas/LPG)(ODS)	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
90% AFUE Gas or LP Central Furnace "Only" w/permit and venting - Energy Star- Size per Manual J	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
A/C Line Flush for Freon to Puro Refrigerant Conversions	EA				Before adjusting refrigerant to system verify that: system is leak free air flow of system is correct indoor and outdoor temperatures are within allowable range for refrigerant charge testing Base refrigerant charge on manufacturer specifications for the equipment being serviced Weigh in calculated refrigerant charge if outdoor conditions prevent accurate pressure measurements according to manufacturer specifications
Sheet metal duct transition with insulation (A/C Plenum) (60k BTU Units or above)	EA				
Electrical disconnect w/Whip at Existing A/C Condenser includes straps	EA				Install electrical wiring according to NFPA 70, and Provide an electrical disconnect within site of the unit Install all high voltage wiring inside of protective conduit and approved junction boxes, no wiring connections (high or low voltage) will occur outside of appropriate junction box
Down Draft 90%+ AFUE Central HVAC (Complete Install) Size Per Manual J Energy Star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
1.5 Ton AC 15.2 SEER 2, 12 EER2, Down Draft 90%+ AFUE Central HVAC (Complete Install) Size Per Manual J Energy Star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
2 Ton AC 15.2 SEER 2, 12 EER2,Down Draft 90%+ AFUE Central HVAC (Complete Install) Size Per Manual J Energy Star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
2.5 Ton AC 15.2 SEER 2, 12 EER2,Down Draft 90%+ AFUE Central HVAC (Complete Install) Size Per Manual J Energy Star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
3 Ton AC 15.2 SEER 2, 12 EER2,Down Draft 90%+ AFUE Central HVAC (Complete Install) Size Per Manual J Energy Star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
3.5 Ton AC 15.2 SEER 2, 12 EER2,Down Draft 90%+ AFUE Central HVAC (Complete Install) Size Per Manual J Energy Star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent

4 Ton AC 15.2 SEER 2, 12 EER2, Down Draft 90%+ AFUE Central HVAC (Complete Install) Size Per Manual J Energy Star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 70 degrees for heating Calculated loads based on post-retrofit dwelling characteristics Select heating equipment of the lowest capacity required to meet the design heating load and provide the air movement required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
1.5 Ton, Down Draft Heat Pump (Complete System Install) Energy Star 2023 15 SEER2, 12 EER2, HSPF2 energy star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 75 degrees for cooling and 70 degrees for heating Select cooling equipment capable of meeting the sensible and latent load of the building that is not sized more than 115% of total load or next available size Select heating equipment of the lowest capacity required to meet the design heating load and provide the air volume required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
2.0 Ton, Down Draft Heat Pump (Complete System Install) Energy Star 2023 SEER2 EER2, HSPF2 energy star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 75 degrees for cooling and 70 degrees for heating Select cooling equipment capable of meeting the sensible and latent load of the building that is not sized more than 115% of total load or next available size Select heating equipment of the lowest capacity required to meet the design heating load and provide the air volume required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
2.5 Ton, Down Draft Heat Pump (Complete System Install) Energy Star 2023 SEER2 EER2, HSPF2 energy star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 75 degrees for cooling and 70 degrees for heating Select cooling equipment capable of meeting the sensible and latent load of the building that is not sized more than 115% of total load or next available size Select heating equipment of the lowest capacity required to meet the design heating load and provide the air volume required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
3.0 Ton, Down Draft Heat Pump (Complete System Install) Energy Star 2023 SEER2 EER2, HSPF2 energy star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 75 degrees for cooling and 70 degrees for heating Select cooling equipment capable of meeting the sensible and latent load of the building that is not sized more than 115% of total load or next available size Select heating equipment of the lowest capacity required to meet the design heating load and provide the air volume required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
3.5 Ton, Down Draft Heat Pump (Complete System Install) Energy Star 2023 SEER2 EER2, HSPF2 energy star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 75 degrees for cooling and 70 degrees for heating Select cooling equipment capable of meeting the sensible and latent load of the building that is not sized more than 115% of total load or next available size Select heating equipment of the lowest capacity required to meet the design heating load and provide the air volume required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
4.0 Ton, Down Draft Heat Pump (Complete System Install) Energy Star 2023 SEER2 EER2, HSPF2 energy star	EA				Perform residential load calculation in accordance with the current version of ANSI/ACCA Manual J (Residential Load Calculation) or equivalent using interior design temperatures of 75 degrees for cooling and 70 degrees for heating Select cooling equipment capable of meeting the sensible and latent load of the building that is not sized more than 115% of total load or next available size Select heating equipment of the lowest capacity required to meet the design heating load and provide the air volume required by any air conditioning equipment installed Select system that is ENERGY STAR® certified or equivalent
< 6,000 BTU Energy Star Window Unit (13.1 CEER or better) turn key install	EA				Select new unit that: matches available voltage and does not exceed available amperage of existing circuit is sized based on manufacturer specifications for the space conditioned is ENERGY STAR® qualified with Energy Saver Mode or better does not use electric resistance heat as the primary heat source (i.e., select Heat Pump units)
6,000 to 7,999 BTU Energy Star Window Unit (13.7 CEER or better) turn key install	EA				Select new unit that: matches available voltage and does not exceed available amperage of existing circuit is sized based on manufacturer specifications for the space conditioned is ENERGY STAR® qualified with Energy Saver Mode or better does not use electric resistance heat as the primary heat source (i.e., select Heat Pump units)
8,000-10,999 BTU Energy Star Window Unit (14.7 CEER or better) turn key install	EA				Select new unit that: matches available voltage and does not exceed available amperage of existing circuit is sized based on manufacturer specifications for the space conditioned is ENERGY STAR® qualified with Energy Saver Mode or better does not use electric resistance heat as the primary heat source (i.e., select Heat Pump units)
11,000-13,999 BTU Energy Star Window Unit (14.7 CEER or better) turn key install	EA				Select new unit that: matches available voltage and does not exceed available amperage of existing circuit is sized based on manufacturer specifications for the space conditioned is ENERGY STAR® qualified with Energy Saver Mode or better does not use electric resistance heat as the primary heat source (i.e., select Heat Pump units)
14,000 - 17,999 BTU Energy Star Window Unit (14.4 CEER or better) turn key install	EA				Select new unit that: matches available voltage and does not exceed available amperage of existing circuit is sized based on manufacturer specifications for the space conditioned is ENERGY STAR® qualified with Energy Saver Mode or better does not use electric resistance heat as the primary heat source (i.e., select Heat Pump units)
18,000-21,999 BTU Energy Star Window Unit (12.7 CEER or better) turn key install	EA				Select new unit that: matches available voltage and does not exceed available amperage of existing circuit is sized based on manufacturer specifications for the space conditioned is ENERGY STAR® qualified with Energy Saver Mode or better does not use electric resistance heat as the primary heat source (i.e., select Heat Pump units)
22,000 - 23,999 BTU Energy Star Window Unit (12.7 CEER or better) turn key install	EA				Select new unit that: matches available voltage and does not exceed available amperage of existing circuit is sized based on manufacturer specifications for the space conditioned is ENERGY STAR® qualified with Energy Saver Mode or better does not use electric resistance heat as the primary heat source (i.e., select Heat Pump units)
24,000 - 27,999 Energy Star Window Unit (12.7 CEER or better) turn key install	EA				Select new unit that: matches available voltage and does not exceed available amperage of existing circuit is sized based on manufacturer specifications for the space conditioned is ENERGY STAR® qualified with Energy Saver Mode or better does not use electric resistance heat as the primary heat source (i.e., select Heat Pump units)
4" Condenser Outdoor Pad	EA				Situate outdoor unit on a non-wicking equipment pad Ensure unit is level, stable, and elevated a minimum of 6" above the ground
Filter Base- all sizes	EA				lift existing central unit and replace filter base with the proper size and reinstall central unit.
R-410(a) Condensing Unit Existing System Puron Recharge	EA				Before adjusting refrigerant to system verify that: system is leak free air flow of system is correct indoor and outdoor temperatures are within allowable range for refrigerant charge testing Base refrigerant charge on manufacturer specifications for the equipment being serviced Weigh in calculated refrigerant charge if outdoor conditions prevent accurate pressure measurements according to manufacturer specifications
Room Air Conditioner Unit Tune Up	EA				clean coils, adjust tilt, comb fins.
Filter alarm units wired in	EA				
Central A/C And Furnace Tune Up GAS, LPG, ELEC (clean blower fan, clean coils, vacuum return, clean burners)	EA				Verify proper function and safety of the following system elements: Fan motor, compressor, outdoor temperature sensors, bearings, safety devices, electrical disconnect, electrical wiring, contactors, capacitors, fan blades, refrigerant access ports Blower motor, bearings, safety devices, electrical disconnect, electrical wiring, contactors, capacitors, thermostat; Clean outdoor condenser coil and straighten bent fins Level outdoor unit, Remove debris from inside unit (e.g., leaves, twigs, insects, spiderwebs) Clear debris, foliage, grass, etc. from within 3' of the unit Verify refrigerant charge is correct per manufacturer specifications Replace damaged refrigerant line insulation Repair or replace additional elements as needed Clean the following elements: Furnace cabinet interior, blower fan and motor Lubricate all moving parts according to manufacturer specifications Replace return air and fresh air supply filters Repair or replace additional elements as needed

Vented Wall Furnace Tune Up ( clean blower fan and burners.)	EA				Verify proper function and safety of the following system elements: Thermostat, ignition system, gas valves, venting system, safety devices, blower motor, electrical wiring, gas piping, condensate disposal Perform combustion testing that includes the following: Carbon monoxide, combustion efficiency, gas pressure testing, temperature rise, stack temperature Adjust combustion as needed to meet BPI 1200 standards for carbon monoxide Clean the following elements: Furnace cabinet interior, blower fan and motor, heat exchangers, burners Lubricate all moving parts according to manufacturer specifications Replace return air and fresh air supply filters Remove combustible/flammable materials from furnace area Repair or replace additional elements as needed
Vented Wall Furnace Repair (repair to working order.)	EA				
Air Filters - Qty. of 12 (Any Size)(Per Each Return) Minimum MERV ≥ 8	EA				Filtration must meet a minimum efficiency of MERV 8
Copper line, high side (25 LFT)	EA				Select only manufacturer and code approved (e.g., IRC, IMC) refrigerant lines, fittings, etc. Size refrigerant lines in accordance with manufacturer specifications for the installed equipment Install refrigerant lines without kinks, crimps, or excessive bends Route lines in a manner that protects it from damage by workers and occupants Join lines using manufacturer-approved method(s) Install proper filter dryer(s) on all systems Install P-traps on suction line risers that are greater than 10' in height Use manufacturer specifications to determine appropriate lengths and elevations of refrigerant lines between condensing units and indoor coils Insulate all suction lines to a minimum of R-4 with an insulation that is a class II or better vapor retarder Insulate all high pressure lines that pass through spaces where condensation may occur to a minimum of R-4 with an insulation that is a class II or better vapor retarder Seal all seams, joints, etc. of insulation using compatible material (e.g., tape) Install UV-resistant insulation on exterior lines or protected insulation from UV degradation
Copper line, high side (50 LFT)	EA				Select only manufacturer and code approved (e.g., IRC, IMC) refrigerant lines, fittings, etc. Size refrigerant lines in accordance with manufacturer specifications for the installed equipment Install refrigerant lines without kinks, crimps, or excessive bends Route lines in a manner that protects it from damage by workers and occupants Join lines using manufacturer-approved method(s) Install proper filter dryer(s) on all systems Install P-traps on suction line risers that are greater than 10' in height Use manufacturer specifications to determine appropriate lengths and elevations of refrigerant lines between condensing units and indoor coils Insulate all suction lines to a minimum of R-4 with an insulation that is a class II or better vapor retarder Insulate all high pressure lines that pass through spaces where condensation may occur to a minimum of R-4 with an insulation that is a class II or better vapor retarder Seal all seams, joints, etc. of insulation using compatible material (e.g., tape) Install UV-resistant insulation on exterior lines or protected insulation from UV degradation
Copper line, low side (25 LFT)	EA				Select only manufacturer and code approved (e.g., IRC, IMC) refrigerant lines, fittings, etc. Size refrigerant lines in accordance with manufacturer specifications for the installed equipment Install refrigerant lines without kinks, crimps, or excessive bends Route lines in a manner that protects it from damage by workers and occupants Join lines using manufacturer-approved method(s) Install proper filter dryer(s) on all systems Install P-traps on suction line risers that are greater than 10' in height Use manufacturer specifications to determine appropriate lengths and elevations of refrigerant lines between condensing units and indoor coils Insulate all suction lines to a minimum of R-4 with an insulation that is a class II or better vapor retarder Insulate all high pressure lines that pass through spaces where condensation may occur to a minimum of R-4 with an insulation that is a class II or better vapor retarder Seal all seams, joints, etc. of insulation using compatible material (e.g., tape) Install UV-resistant insulation on exterior lines or protected insulation from UV degradation
Copper line, low side (50 LFT)	EA				Select only manufacturer and code approved (e.g., IRC, IMC) refrigerant lines, fittings, etc. Size refrigerant lines in accordance with manufacturer specifications for the installed equipment Install refrigerant lines without kinks, crimps, or excessive bends Route lines in a manner that protects it from damage by workers and occupants Join lines using manufacturer-approved method(s) Install proper filter dryer(s) on all systems Install P-traps on suction line risers that are greater than 10' in height Use manufacturer specifications to determine appropriate lengths and elevations of refrigerant lines between condensing units and indoor coils Insulate all suction lines to a minimum of R-4 with an insulation that is a class II or better vapor retarder Insulate all high pressure lines that pass through spaces where condensation may occur to a minimum of R-4 with an insulation that is a class II or better vapor retarder Seal all seams, joints, etc. of insulation using compatible material (e.g., tape) Install UV-resistant insulation on exterior lines or protected insulation from UV degradation
Line set 1/4"-1/2" copper 16LFT Wires	EA				Select only manufacturer and code approved (e.g., IRC, IMC) refrigerant lines, fittings, etc. Size refrigerant lines in accordance with manufacturer specifications for the installed equipment Install refrigerant lines without kinks, crimps, or excessive bends Route lines in a manner that protects it from damage by workers and occupants Join lines using manufacturer-approved method(s) Install proper filter dryer(s) on all systems Install P-traps on suction line risers that are greater than 10' in height Use manufacturer specifications to determine appropriate lengths and elevations of refrigerant lines between condensing units and indoor coils Insulate all suction lines to a minimum of R-4 with an insulation that is a class II or better vapor retarder Insulate all high pressure lines that pass through spaces where condensation may occur to a minimum of R-4 with an insulation that is a class II or better vapor retarder Seal all seams, joints, etc. of insulation using compatible material (e.g., tape) Install UV-resistant insulation on exterior lines or protected insulation from UV degradation
Line set 1/4"-1/2" copper 25LFT Wires	EA				Select only manufacturer and code approved (e.g., IRC, IMC) refrigerant lines, fittings, etc. Size refrigerant lines in accordance with manufacturer specifications for the installed equipment Install refrigerant lines without kinks, crimps, or excessive bends Route lines in a manner that protects it from damage by workers and occupants Join lines using manufacturer-approved method(s) Install proper filter dryer(s) on all systems Install P-traps on suction line risers that are greater than 10' in height Use manufacturer specifications to determine appropriate lengths and elevations of refrigerant lines between condensing units and indoor coils Insulate all suction lines to a minimum of R-4 with an insulation that is a class II or better vapor retarder Insulate all high pressure lines that pass through spaces where condensation may occur to a minimum of R-4 with an insulation that is a class II or better vapor retarder Seal all seams, joints, etc. of insulation using compatible material (e.g., tape) Install UV-resistant insulation on exterior lines or protected insulation from UV degradation
Line set 1/4"-1/2" copper 50LFT Wires	EA				Select only manufacturer and code approved (e.g., IRC, IMC) refrigerant lines, fittings, etc. Size refrigerant lines in accordance with manufacturer specifications for the installed equipment Install refrigerant lines without kinks, crimps, or excessive bends Route lines in a manner that protects it from damage by workers and occupants Join lines using manufacturer-approved method(s) Install proper filter dryer(s) on all systems Install P-traps on suction line risers that are greater than 10' in height Use manufacturer specifications to determine appropriate lengths and elevations of refrigerant lines between condensing units and indoor coils Insulate all suction lines to a minimum of R-4 with an insulation that is a class II or better vapor retarder Insulate all high pressure lines that pass through spaces where condensation may occur to a minimum of R-4 with an insulation that is a class II or better vapor retarder Seal all seams, joints, etc. of insulation using compatible material (e.g., tape) Install UV-resistant insulation on exterior lines or protected insulation from UV degradation
Line set 3/8"-5/8" copper 16LFT Wires	EA				Select only manufacturer and code approved (e.g., IRC, IMC) refrigerant lines, fittings, etc. Size refrigerant lines in accordance with manufacturer specifications for the installed equipment Install refrigerant lines without kinks, crimps, or excessive bends Route lines in a manner that protects it from damage by workers and occupants Join lines using manufacturer-approved method(s) Install proper filter dryer(s) on all systems Install P-traps on suction line risers that are greater than 10' in height Use manufacturer specifications to determine appropriate lengths and elevations of refrigerant lines between condensing units and indoor coils Insulate all suction lines to a minimum of R-4 with an insulation that is a class II or better vapor retarder Insulate all high pressure lines that pass through spaces where condensation may occur to a minimum of R-4 with an insulation that is a class II or better vapor retarder Seal all seams, joints, etc. of insulation using compatible material (e.g., tape) Install UV-resistant insulation on exterior lines or protected insulation from UV degradation
Line set 3/8"-5/8" copper 25LFT Wires	EA				Select only manufacturer and code approved (e.g., IRC, IMC) refrigerant lines, fittings, etc. Size refrigerant lines in accordance with manufacturer specifications for the installed equipment Install refrigerant lines without kinks, crimps, or excessive bends Route lines in a manner that protects it from damage by workers and occupants Join lines using manufacturer-approved method(s) Install proper filter dryer(s) on all systems Install P-traps on suction line risers that are greater than 10' in height Use manufacturer specifications to determine appropriate lengths and elevations of refrigerant lines between condensing units and indoor coils Insulate all suction lines to a minimum of R-4 with an insulation that is a class II or better vapor retarder Insulate all high pressure lines that pass through spaces where condensation may occur to a minimum of R-4 with an insulation that is a class II or better vapor retarder Seal all seams, joints, etc. of insulation using compatible material (e.g., tape) Install UV-resistant insulation on exterior lines or protected insulation from UV degradation



Line set 3/8"-5/8" copper 50LFT Wires	EA				<p>Select only manufacturer and code approved (e.g., IRC, IMC) refrigerant lines, fittings, etc. Size refrigerant lines in accordance with manufacturer specifications for the installed equipment Install refrigerant lines without kinks, crimps, or excessive bends Route lines in a manner that protects it from damage by workers and occupants Join lines using manufacturer-approved method(s) Install proper filter dryer(s) on all systems Install P-traps on suction line risers that are greater than 10' in height Use manufacturer specifications to determine appropriate lengths and elevations of refrigerant lines between condensing units and indoor coils Insulate all suction lines to a minimum of R-4 with an insulation that is a class II or better vapor retarder Insulate all high pressure lines that pass through spaces where condensation may occur to a minimum of R-4 with an insulation that is a class II or better vapor retarder Seal all seams, joints, etc. of insulation using compatible material (e.g., tape) Install UV-resistant insulation on exterior lines or protected insulation from UV degradation</p>
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## Windows and Doors

Exterior Door Insulated MTL - Complete Finish Install, Energy Star	EA				<b>includes:</b> Remove the Old Door: Prepare the Door Frame: Measure and Adjust the New Door: Install the New Door Frame: Position
Storm Door Size as Needed	EA				<b>Includes:</b> Choose the Right Storm Door: Prepare the Door Frame: Position the Storm Door: Check for Level and Plumb: Install the Handle and Lock: Seal the Door: Install the Door Sweep: Test the Door:
Zone off Door Solid Core - Complete Finish Install	EA				<b>includes:</b> Prepare the Door Frame: Measure and Adjust the New Door: Install the New Door Frame: Position the New Door: Secure
Water Heater or Furnace Door - Complete Finish Install	EA				<b>includes:</b> Prepare the Door Frame: Measure and Adjust the New Door: Install the New Door Frame: Position the New Door: Secure
Sliding Glass Doors Lowe - Complete Finish Install, Current Energy Star Per Local Jurisdiction	EA				<b>install:</b> Choose the Right Sliding Door: Remove the Old Door: Prepare the Opening: Build a Support Base (if necessary); Install the Door Frame: Install the Sliding Door Panels: Check for Smooth Operation: Seal the Door: Install Handles and Locks: Final Check:
Insulated Steel 15-Lite Patio Door Temp Glass Lowe - Complete Finish Install, Current Energy Star Per Local Jurisdiction (Size As Needed)	EA				<b>includes:</b> Remove the Old Door: Prepare the Door Frame: Measure and Adjust the New Door: Install the New Door Frame: Position the New Door: Secure the Door: Check for Level and Plumb: Seal the Door: Install Door Hardware: Test the Door: <b>Must be Energy</b>
Mobile Home Entry Door - Complete Install, Energy Star	EA				<b>includes:</b> Remove the Old Door: Prepare the Door Frame: Measure and Adjust the New Door: Install the New Door Frame: Position
Mobile Home Entry Door with Storm Door - Complete Install, Energy Star	EA				<b>includes:</b> Choose the Right Storm Door: Prepare the Door Frame: Position the Storm Door: Check for Level and Plumb: Install the Handle and Lock: Seal the Door: Install the Door Sweep: Test the Door:
Mobile Home Water Heater Closet Door	EA				<b>includes:</b> Prepare the Door Frame: Measure and Adjust the New Door: Install the New Door Frame: Position the New Door: Secure
39" Exterior Door Drip Caps	EA				<b>includes:</b> Measure the Door Width: Position the Drip Cap: Secure the Drip Cap: Seal the Edges: Check for Proper Drainage: Reinstall Trim (if applicable): Final Inspection:
LowE Window (Std. Glass) - Energy Star (U-Factor 0.30)(SHGC 0.25) or Current Energy Star At Time Of Install	SF				<b>includes:</b> Select the right size window: Remove old window: prepare frame: install new window: check for level and plumb: seal window: install trim: test the window
LowE Window (Temp. Glass) - Energy Star (U-Factor 0.30)(SHGC 0.25) or Current Energy Star At Time Of Install	SF				<b>includes:</b> Select the right size window: Remove old window: prepare frame: install new window: check for level and plumb: seal window: install trim: test the window
LowE Window (Obscure) - Energy Star (U-Factor 0.30)(SHGC 0.25) or Current Energy Star At Time Of Install	SF				<b>includes:</b> Select the right size window: Remove old window: prepare frame: install new window: check for level and plumb: seal window: install trim: test the window
LowE Double Hung Storm Windows (Emissivity 0.22)(Solar Transmission 0.55)	SF				<b>includes:</b> Select the right size window: Remove old window: prepare frame: install new window: check for level and plumb: seal window: install trim: test the window
Add Awning( all inclusive)	EA				Wooden Frame: The frame is the structure that supports the awning material. Pressure-treated lumber, cedar, or redwood is used because these types of wood are durable, resistant to moisture, and naturally decay-resistant.  Pressure-treated wood is used for its strength and resistance to rot, though it may require additional treatment for UV protection. All shingles, decking, flashing and all other materials needed for an install.