**AIREX PRO-SYSTEM KIT™** (**AIREX TITAN OUTLET™ & AIREX E-FLEX GUARD™**) a combined 2-in1 protection system by Airex Manufacturing Inc., to be provided and installed for sealing wall penetrations of HVAC refrigerant line and protecting the refrigerant line set piping insulation. The use of a combined sustainable compression gasket and seal system is the preferred method in the requirements per energy codes, to seal refrigerant line wall penetrations, therefore to prevent wall air-leakage, moisture intrusion, weather intrusion, rodent intrusion, vibration control, physical wall damage, when connecting with refrigerant piping or thermal insulated refrigerant piping. The wall seal outlet must feature an elastomeric sleeve and stainless-steel clamp ensuring a mechanical connection to the pipe insulation protective cover. The connecting refrigerant lines exposed to weather must all be thermal insulated. All pipe insulation material (whether it is exterior surface coated or non-coated) must also be completely covered and protected from sunlight, moisture, equipment maintenance, wind, snow, ice, rodent damage, physical damage, and shall provide shielding from solar radiation that can cause degradation of the material. **AIREX PRO-SYSTEM KIT™** to be provided is to ensure healthy building indoor air quality, long-term building durability, sustainable building energy efficiency, and optimal HVAC Equipment System Performance.

**AIREX TITAN OUTLET™** - Wall outlet seal shall be AIREX TITAN OUTLET**™** by Airex Manufacturing Inc. to be provided and installed with compression gasket and seal consisting of a Wall Fastening Compression Mounting Method and to must be supplied and fastened with ICC-ES listed non-corrosive Screws with pre-loaded neoprene washers. Wall Outlet must provide an Integrated Over-Molded Flexible Elastomeric Sleeve for sealing, isolating, and supporting refrigerant pipes for Vibration. The Wall Outlet must also provide expansion and contraction wall protection features with gaskets and seals as per energy code requirements. A Stainless-Steel Clamp must be supplied to allow a “Mechanical Connection” as intended per the energy codes allowing off/on removable/reusable maintenance capabilities, and sized to co-act and fit with the **AIREX E-FLEX GUARD™** Pipe Insulation Protective Cover. Wall Outlet installed must ensure that the insulation protector and the wall seal are both securely and mechanically fastened together without the use of adhesives or adhesives tapes as per energy code requirements. Wall Outlet shall be tested and meet the following testing: ASTM E 331 (Water Penetration), ASTM E 283 (Air Leakage), and ASTM E 2178 (Air Permeance of Building Materials).

**AIREX E-FLEX GUARD™** - A Flexible PVC Plastic UV/Weather Protective Cover for Pipe Insulation shall be **AIREX E-FLEX GUARD™** by Airex Manufacturing Inc. to be provided and installed, the pipe insulation UV/protective cover shall feature an outdoor industrial grade combined method with molecular bonding that features an integral pre-fastening system that allows removable/reusable use for maintenance and full-enclosure including cut to length capabilities without the use of adhesives as an attachment in any way shape or form including either in the protectors construction or the protectors installation or on any attachment to pipe insulation. All pipe insulation material (whether it is exterior surface coated or non-coated) must be completely covered and protected. THE USE OF ANY ADHESIVES IS NOT PERMITTED FOR THIS APPLICATION. Insulation Protector shall be tested and meet the following testing: ASTM E 96 (Vapor Transmission of Materials), ASTM G 153 (Carbon Arc Light Exposure – Accelerated Weathering), ASTM D 412 (Tensile Strength after UV Exposure and Water Immersion) ASTM 570 (Water Absorption of Plastics) ASTM E 84 (Surface Burning Characteristics of Building Materials) ASTM G 21 (Fungal Growth). UV/Protector Pipe Insulation Material shall Meet Class II vapor retarder per ASTM E 96 (vapor/moisture permeability test) “1 perm or less". Wrapping Tape or Adhesive Tape Shall Not Be Permitted as per energy codes.­­