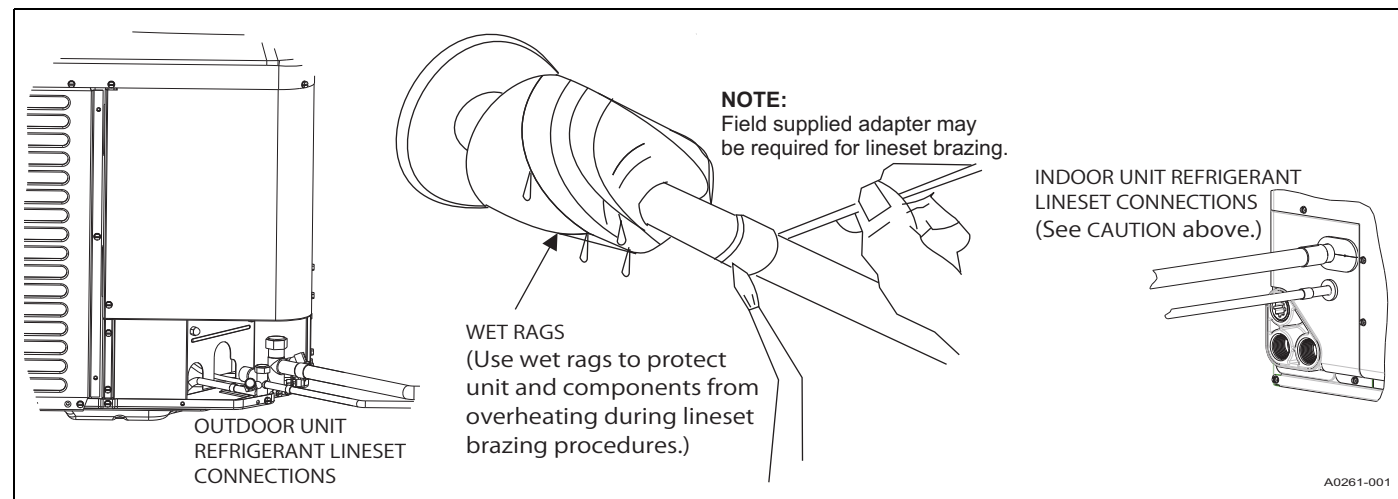## ⚠ CAUTION

Indoor coil is under inert gas pressure. Relieve pressure from coil by depressing schrader core at end of suction manifold stub out.

Dry nitrogen should always be supplied through the tubing while it is being brazed, because the temperature required is high enough to cause oxidation of the copper unless an inert atmosphere is provided. The flow of dry nitrogen should continue until the joint has cooled. Always use a pressure regulator and safety valve to ensure that only low pressure dry nitrogen is introduced into the tubing. Only a small flow is necessary to displace air and prevent oxidation.

If a refrigerant leak is discovered after the system is charged, the system must be evacuated to repair the leak. Attempting to braze a line under refrigerant pressure can cause the line to rupture. A rupture can propel hot solder and oil causing injury to the technician attempting to braze the line.

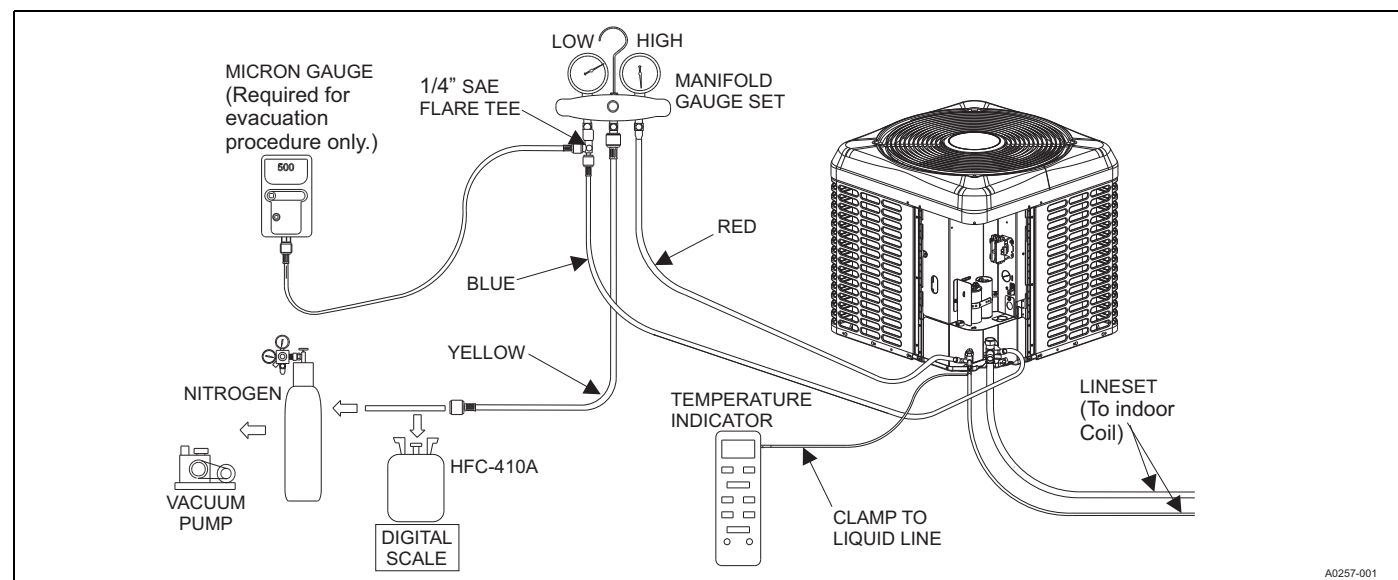### Brazing Procedures For Sweat Fitting Lineset*

NOTE:
Field supplied adapter may be required for lineset brazing.

INDOOR UNIT REFRIGERANT LINESET CONNECTIONS
(See CAUTION above.)

WET RAGS
(Use wet rags to protect unit and components from overheating during lineset brazing procedures.)

OUTDOOR UNIT REFRIGERANT LINESET CONNECTIONS

A0261-001

*For unit lineset brazing precautions, refer to the Installation Manual included with the unit.

⚠ CAUTION

Avoid personal injury and/or equipment damage, carefully follow the brazing, charging, and other instructions in the Installation Manual provided with the unit.

Evacuating System and Charging with Refrigerant

MICRON GAUGE
(Required for evacuation procedure only.)

1/4" SAE FLARE TEE

LOW   HIGH

MANIFOLD GAUGE SET

RED

BLUE

YELLOW

NITROGEN

VACUUM PUMP

DIGITAL SCALE

HFC-410A

TEMPERATURE INDICATOR

CLAMP TO LIQUID LINE

LINESET
(To indoor Coil)

A0257-001

Complete the installation by accomplishing the Startup Sheet at the back of the Installation Manual.

For a full list of the unit accessories, see the "ACCESSORIES" section in the Technical Guide.

For Common fault / troubleshooting and LED fault codes if applicable, see the Installation Manual.

5002679-URG-A-0315
Supersedes: Nothing

York International Corp.
5005 York Drive
Norman, OK 73069

QUICK REFERENCE GUIDE
RESIDENTIAL SPLIT AC & HP OUTDOOR UNIT

This document does not replace the Installation Manual, which must be referred to for detailed information.

Removal of Shipping Clips

WARNING:
Never use the wood screws for installation into the unit. The wood screws are longer than the unit screws. A technician can be seriously injured if the wood screw becomes propelled as a result of puncturing the refrigerant/oil circuit under a high pressure charge. Damage to the unit tubing or other components can also result.

SHIPPING CLIP   UNIT

SCREW
(1 per vertical leg of clip anchoring to unit. Remove screw. After unit is removed from pallet, install screw back in the unit hole it came from.)

WOOD SCREW
(1 per clip anchoring to pallet. Do not need to remove.)

SHIPPING PALLET

REPLACE SCREW

LARGER UNIT ON SHIPPING PALLET

SHIPPING CLIP
(3 per smaller unit)
(4 per larger unit)

SMALLER UNIT ON SHIPPING PALLET   A0262-001

Connection and Access Points

ELECTRICAL CONTROL BOX COVER
(Removable)

FAN GUARD (Removable)

COIL GUARD
(Removable)

BLOCK OFF PANEL
(Removable)

REFRIGERANT LIQUID LINE CONNECTION

ELECTRICAL WHIP

COMMON SERVICE PORT CONNECTION
(Heat pump only)

REFRIGERANT VAPOR LINE CONNECTION

CONTROL BOX
(Swing away – If flexible electric whip is used.)

A0258-001
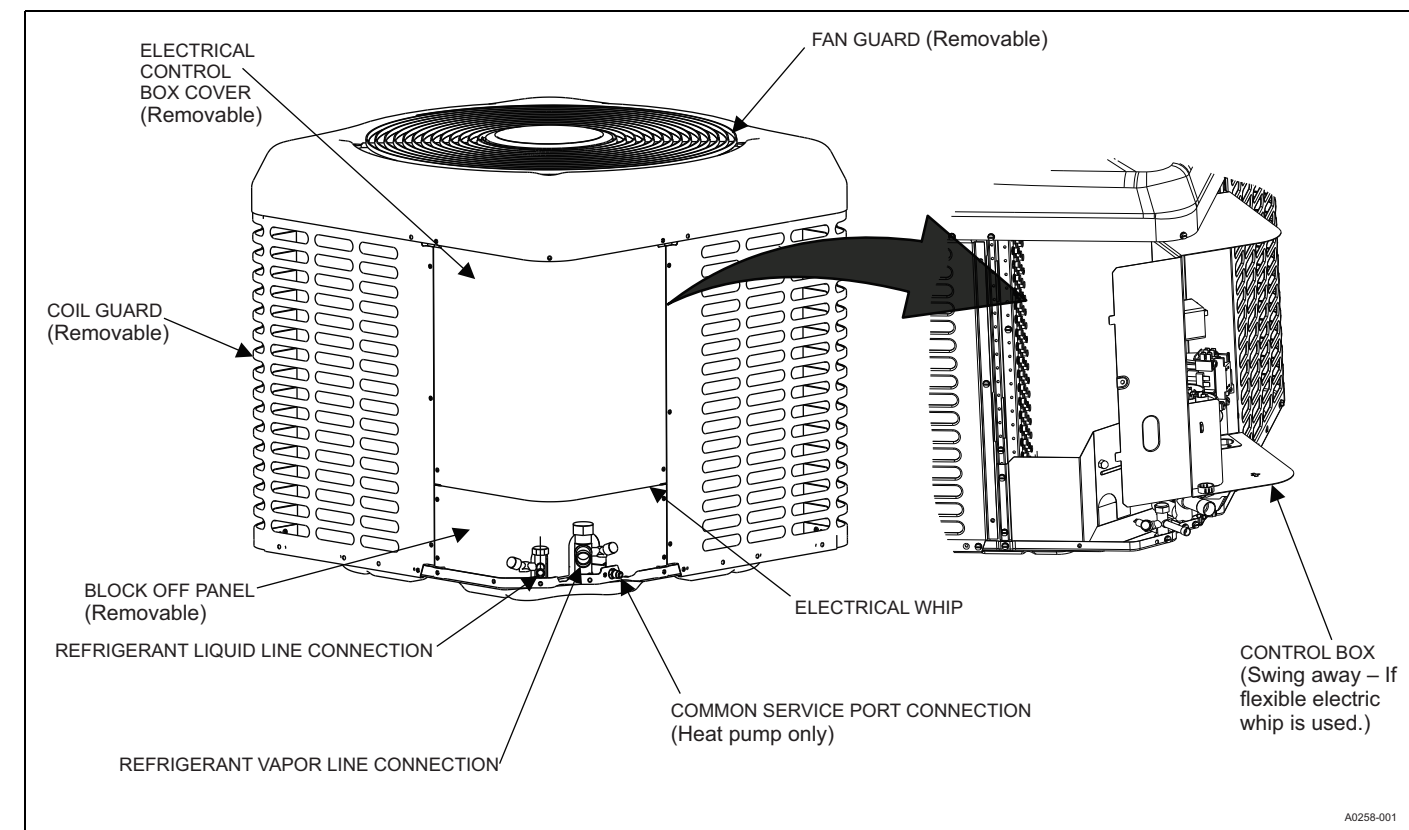
See the Tabular Data Sheet included with the unit for detailed unit dimensions.

Typical Outdoor Unit Control Box and Component Locations

SMALL SINGLE PHASE

*Factory installed on selected models only. Start components are available as field installed accessories. See the Technical Guide for information.

LARGE SINGLE PHASE

*START RELAY
*CONTROL BOARD
CONTROL BOX (on smaller unit with 24" X 24" footprint)
CONTROL BOX PIVOT
CONTACTOR
INTERNAL UNIT POWER
GROUND LUG
*START CAPACITOR
LOW VOLTAGE BOX
REVERSIBLE HIGH VOLTAGE CONDUIT PLATE
LOW VOLTAGE FIELD WIRING
HIGH VOLTAGE FIELD WIRING
DUAL RUN CAPACITOR

CONTACTOR
*START RELAY
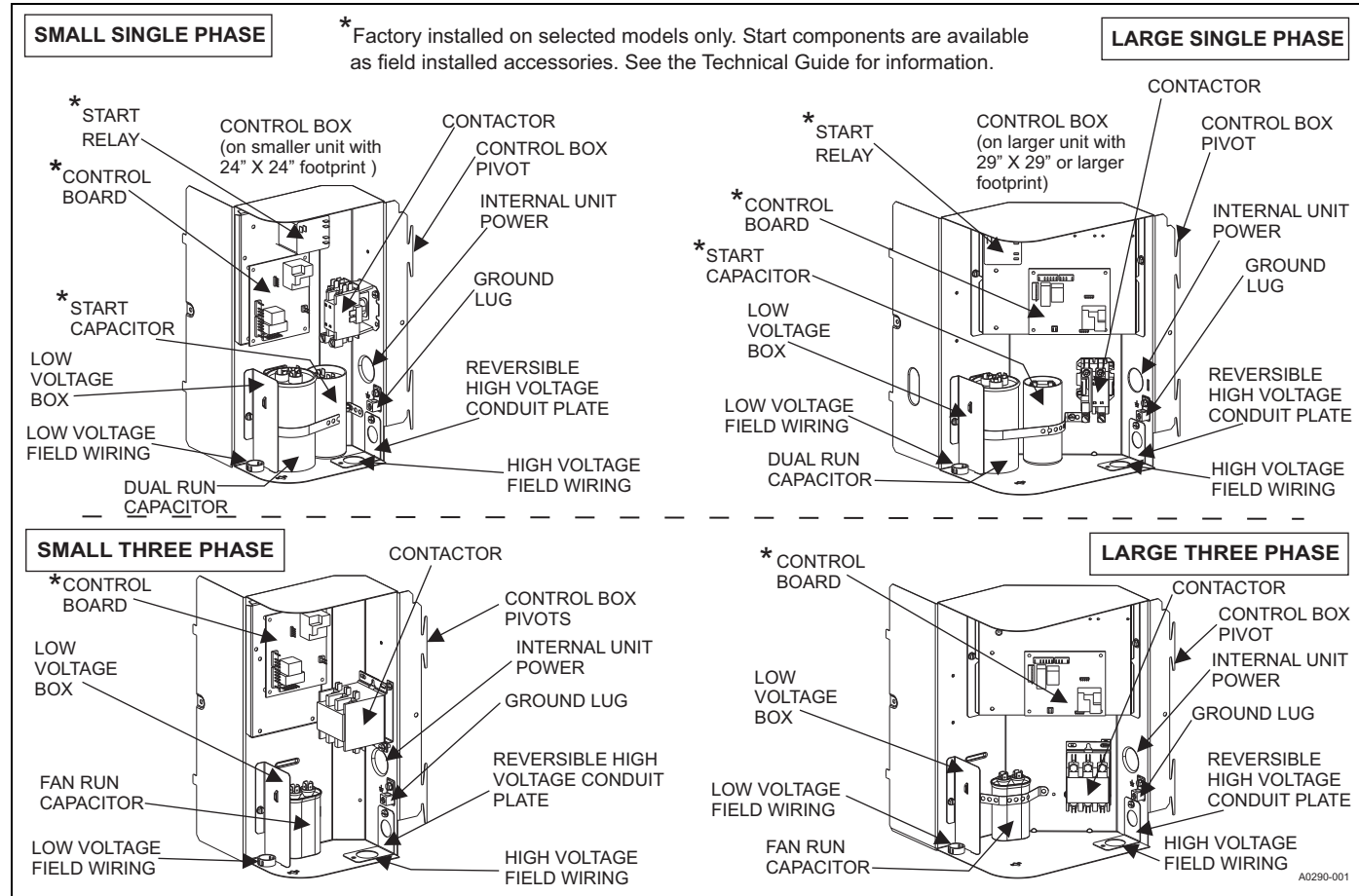CONTROL BOX (on larger unit with 29" X 29" or larger footprint)
CONTROL BOX PIVOT
*CONTROL BOARD
INTERNAL UNIT POWER
GROUND LUG
*START CAPACITOR
LOW VOLTAGE BOX
REVERSIBLE HIGH VOLTAGE CONDUIT PLATE
LOW VOLTAGE FIELD WIRING
DUAL RUN CAPACITOR
HIGH VOLTAGE FIELD WIRING

SMALL THREE PHASE

*CONTROL BOARD
CONTACTOR
CONTROL BOX PIVOTS
INTERNAL UNIT POWER
GROUND LUG
LOW VOLTAGE BOX
REVERSIBLE HIGH VOLTAGE CONDUIT PLATE
FAN RUN CAPACITOR
LOW VOLTAGE FIELD WIRING
HIGH VOLTAGE FIELD WIRING

LARGE THREE PHASE

*CONTROL BOARD
CONTACTOR
CONTROL BOX PIVOT
INTERNAL UNIT POWER
GROUND LUG
LOW VOLTAGE BOX
REVERSIBLE HIGH VOLTAGE CONDUIT PLATE
LOW VOLTAGE FIELD WIRING
FAN RUN CAPACITOR
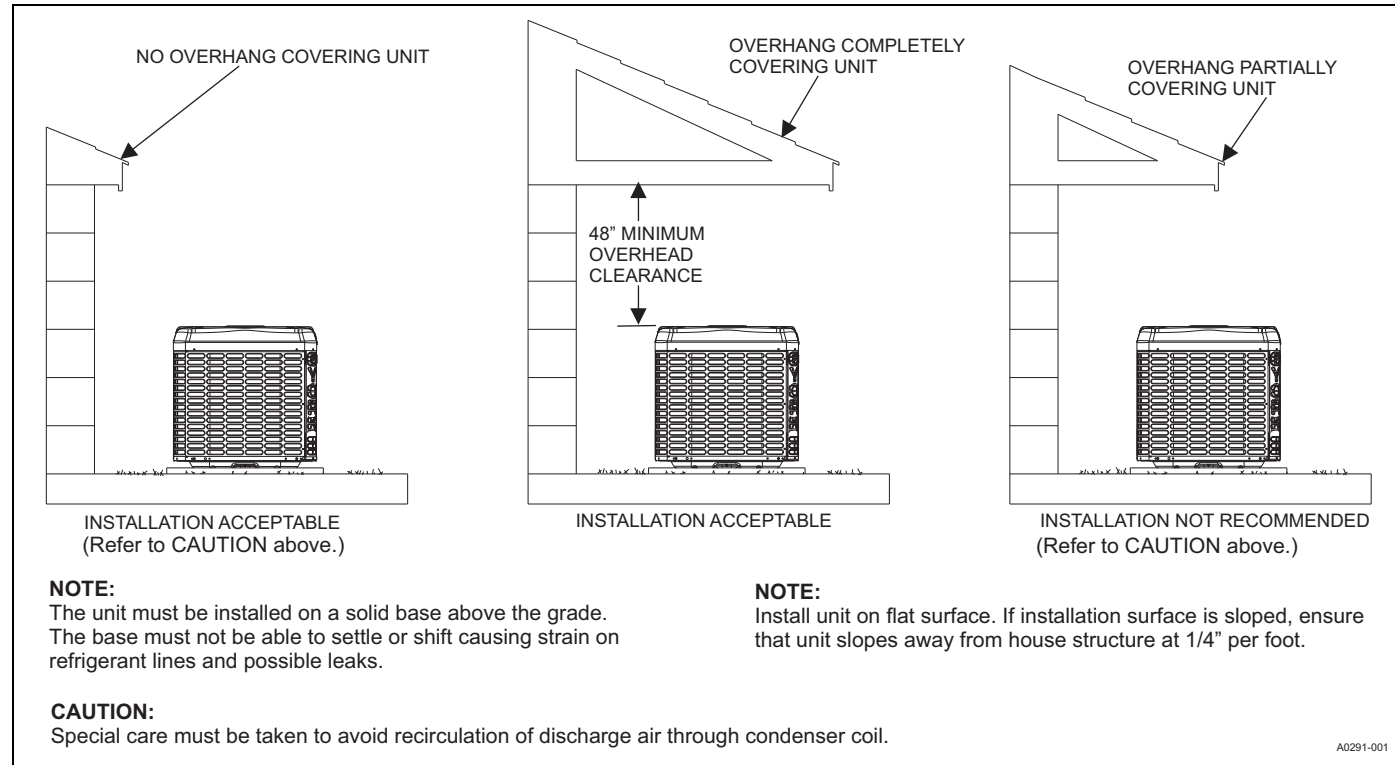HIGH VOLTAGE FIELD WIRING

A0290-001

See the Installation Manual included with the unit for detailed wiring information and examples.
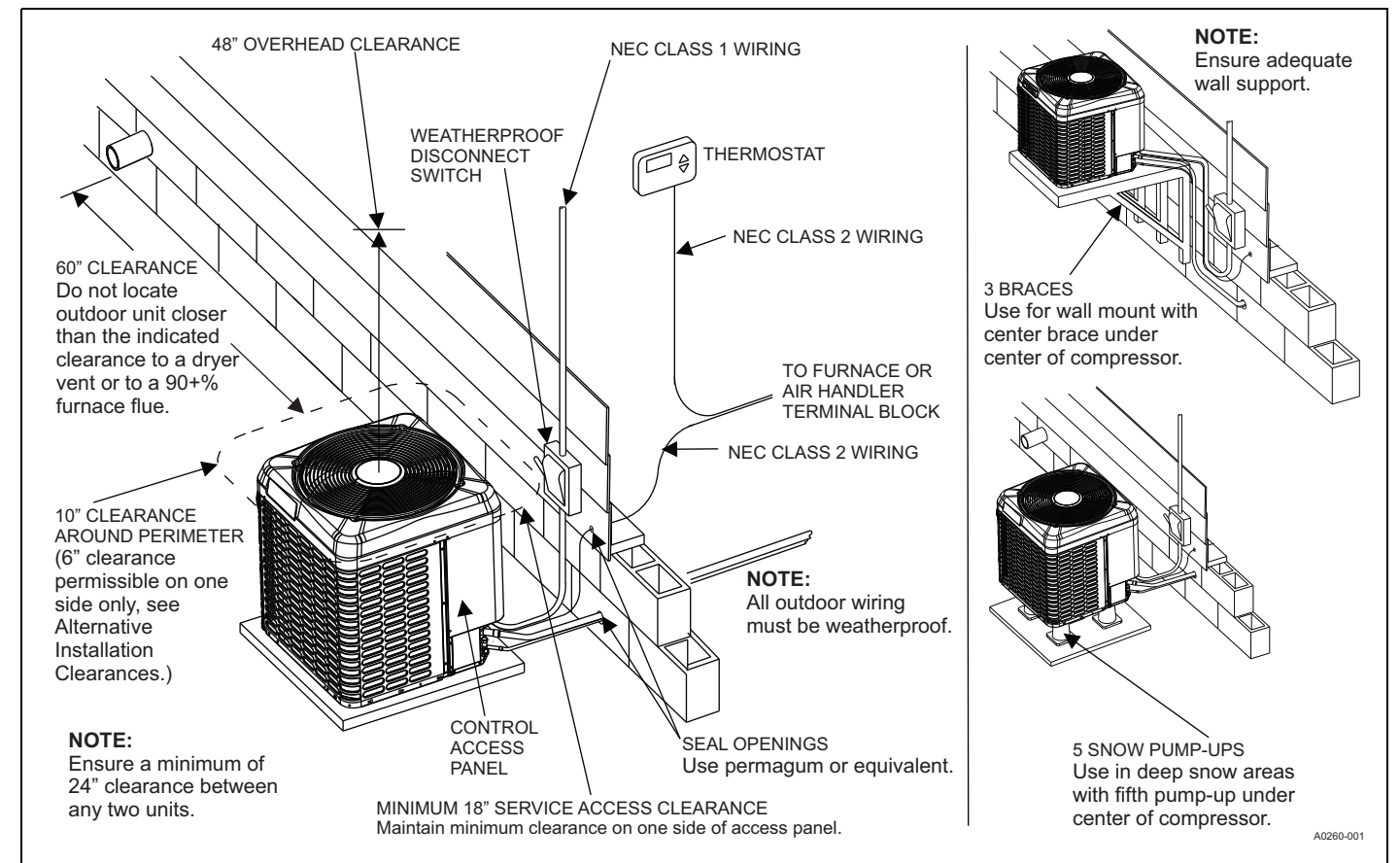
⚠ CAUTION

Care must be taken to prevent ice from damaging the unit. Damage may occur from ice falling onto unit from a sloped roof or from a vertical drip line due to a partial overhang.
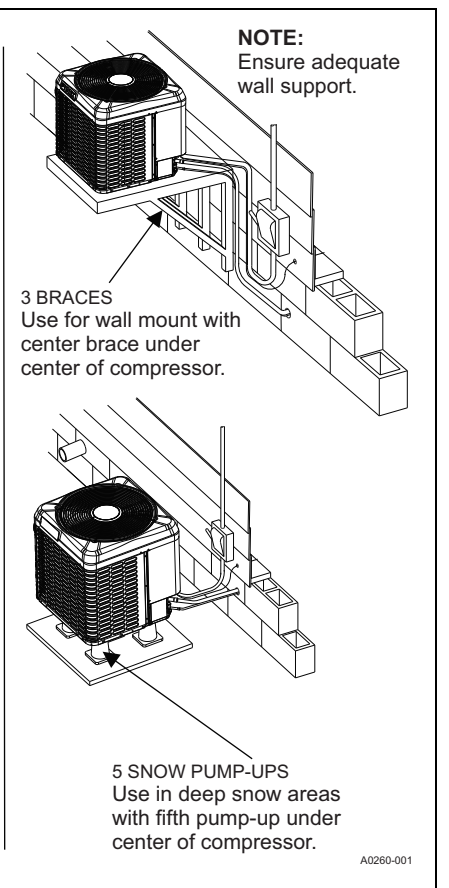
Typical Installation

NO OVERHANG COVERING UNIT
OVERHANG COMPLETELY COVERING UNIT
48" MINIMUM OVERHEAD CLEARANCE
OVERHANG PARTIALLY COVERING UNIT

INSTALLATION ACCEPTABLE (Refer to CAUTION above.)
INSTALLATION ACCEPTABLE
INSTALLATION NOT RECOMMENDED (Refer to CAUTION above.)

NOTE:
The unit must be installed on a solid base above the grade. The base must not be able to settle or shift causing strain on refrigerant lines and possible leaks.

NOTE:
Install unit on flat surface. If installation surface is sloped, ensure that unit slopes away from house structure at 1/4" per foot.

CAUTION:
Special care must be taken to avoid recirculation of discharge air through condenser coil.

A0291-001

See Installation Manual included with the unit for detailed requirements related to the unit installation.

Typical Installation Clearances

48" OVERHEAD CLEARANCE
NEC CLASS 1 WIRING
WEATHERPROOF DISCONNECT SWITCH
THERMOSTAT
NEC CLASS 2 WIRING
60" CLEARANCE Do not locate outdoor unit closer than the indicated clearance to a dryer vent or to a 90+% furnace flue.
TO FURNACE OR AIR HANDLER TERMINAL BLOCK
NEC CLASS 2 WIRING
10" CLEARANCE AROUND PERIMETER (6" clearance permissible on one side only, see Alternative Installation Clearances.)
NOTE: All outdoor wiring must be weatherproof.
CONTROL ACCESS PANEL
SEAL OPENINGS Use permagum or equivalent.
NOTE: Ensure a minimum of 24" clearance between any two units.
MINIMUM 18" SERVICE ACCESS CLEARANCE Maintain minimum clearance on one side of access panel.

Alternative Installations

NOTE: Ensure adequate wall support.

3 BRACES Use for wall mount with center brace under center of compressor.

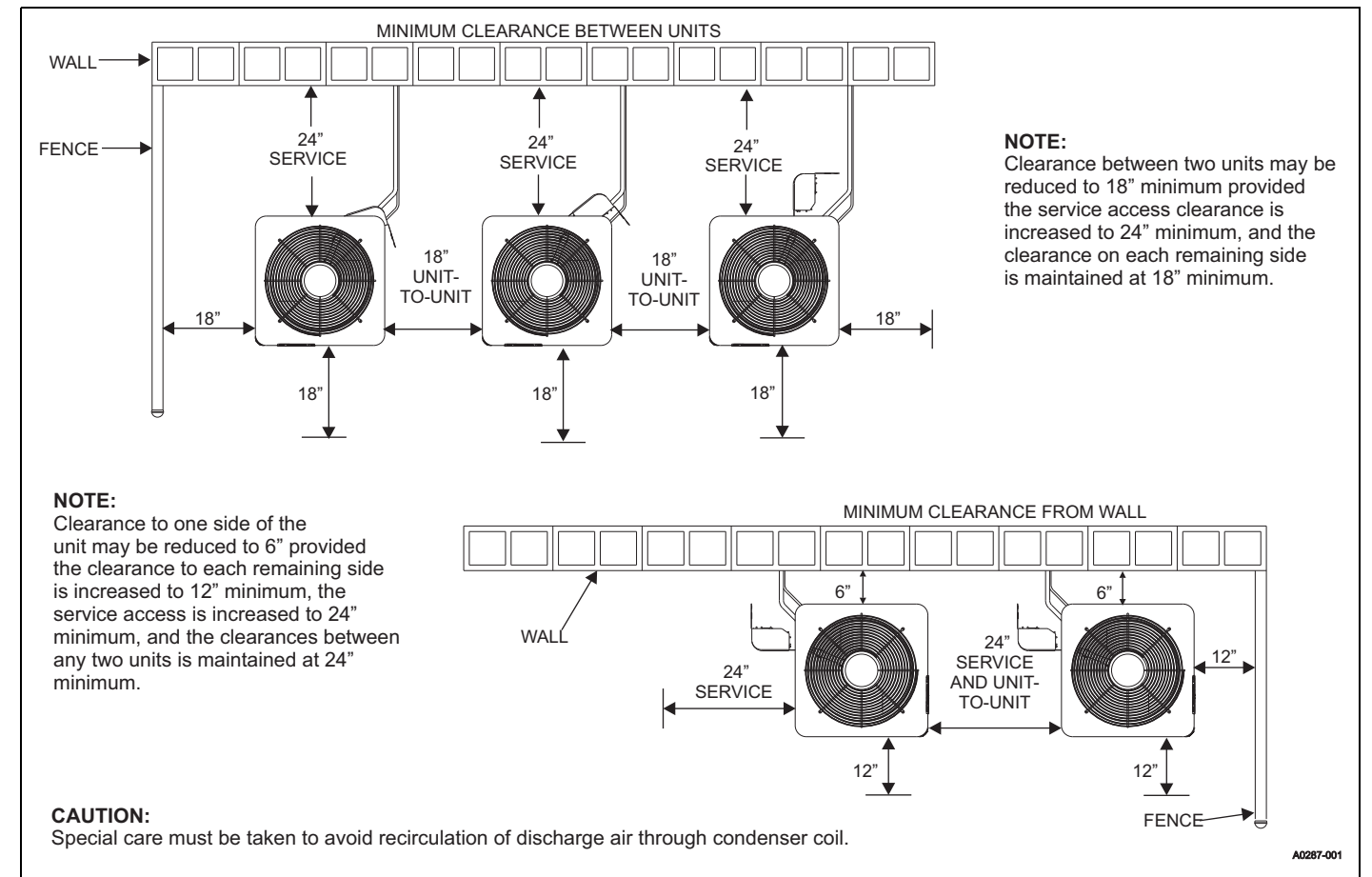5 SNOW PUMP-UPS Use in deep snow areas with fifth pump-up under center of compressor.

A0260-001

See the Installation Manual included with the unit for detailed requirements related to the unit installation.

Alternative Installation Clearances

MINIMUM CLEARANCE BETWEEN UNITS
WALL
FENCE
24" SERVICE
24" SERVICE
24" SERVICE
18" UNIT-TO-UNIT
18" UNIT-TO-UNIT
18"
18"
18"
18"
18"

NOTE:
Clearance between two units may be reduced to 18" minimum provided the service access clearance is increased to 24" minimum, and the clearance on each remaining side is maintained at 18" minimum.

NOTE:
Clearance to one side of the unit may be reduced to 6" provided the clearance to each remaining side is increased to 12" minimum, the service access is increased to 24" minimum, and the clearances between any two units is maintained at 24" minimum.

MINIMUM CLEARANCE FROM WALL
WALL
6"
6"
24" SERVICE
24" SERVICE AND UNIT-TO-UNIT
12"
12"
12"
FENCE

CAUTION:
Special care must be taken to avoid recirculation of discharge air through condenser coil.

A0287-001

See the Installation Manual included with the unit for detailed requirements related to the unit installation.