



STANDARD 4: AIR CONDITIONING UNITS/HEAT PUMPS

**REVISED SEPTEMBER 2005, RESOLUTION 03-05-20
REVISED FEBRUARY 2006, RESOLUTION 03-06-09
REVISED SEPTEMBER 2006, RESOLUTION 03-06-40
REVISED JULY 2010, RESOLUTION 03-10-100
GENERAL REQUIREMENTS REVISED APRIL 2011, RESOLUTION 03-11-49
REVISED SEPTEMBER 2013, RESOLUTION 03-13-98
REVISED JULY 2015, RESOLUTION 03-15-101
REVISED JANUARY 2018, RESOLUTION 03-18-13
REVISED JULY 2019, RESOLUTION 03-19-71**

1.0 GENERAL REQUIREMENTS

SEE STANDARD SECTION 1: GENERAL REQUIREMENTS

2.0 THROUGH THE WALL A/C-H/P UNITS

- 2.1** Units must be installed in knock-out panel areas, under windows, or as determined by the Alterations office, with due consideration given to the effect on adjoining manors.
- 2.2** No condensing unit may be located in or project into any walkway, breezeway, or interior court of a three-story building
- 2.3** Window mounted units are prohibited.
- 2.4** Condensing units must not be located at least 12” above grade, unless otherwise approved by the Alterations office due to site conditions.
- 2.5** Sleeves must be painted to match the color of the wall.
- 2.6** Above grade installation of heat pumps require condensation drain line connection to an approved discharge location. Mutual Member assumes all responsibilities for any damage that may occur from condensation.
- 2.7** In the absence of an approved alternate heat source, removal of the through-the-wall AC/Heat pump and wall condensing units is prohibited.
- 2.8** Removal of sleeves in stucco walls:
 - a. Removal of sleeves in three-story buildings is prohibited.
 - b. Removal of sleeves in stucco walls of one and two story buildings shall be evaluated on a case-by-case basis. A variance may be required.



- c. When permitted, removal of sleeves in stucco walls require that the patch must be made in accordance with standard construction practices to maintain the water proof integrity of the wall. The texture and color must match the existing wall. On balconies, the spacing between the wrought iron and exterior of the building will be required to meet Code regulations. Lead samples may be requested by the Alterations Division.

2.8.1 Removal of sleeves in walls with wood siding must be made In accordance with standard construction practices to maintain the water proof integrity of the wall. The entire section of wood siding under a window, from trim to trim, must be replaced and the texture and color must match the existing wood siding.

3.0 CENTRAL AND DUCTLESS UNITS

- 3.1** Only one condensing unit per manor is permitted.
- 3.2** Roof-mounted self-contained package units are prohibited.
- 3.3** No outdoor condensing unit will be larger than 48” high, 37” wide, and 36” deep.
- 3.4** Outdoor condensing units for single level manors shall be installed at ground level only.
- 3.5** Outdoor condensing unit locations for two story buildings are as follows: first floor manors shall be installed at ground level, second floor manors shall be installed only flat roofs, directly above the manor, or at ground level.
- 3.6** Outdoor condensing unit locations for three story buildings are as follows: first floor manors shall be installed at ground level, second floor manors shall be installed on flat roofs directly above the manor, or at ground level, third floor manors will be installed only on flat roofs, directly above the manor.
- 3.7** The location of outdoor condensing units must be approved by the Alterations office. Prior to permit issuance, consideration will be given to any affected or adjoining manors. The Mutual Member is required to submit signed Neighbor Awareness forms as deemed necessary by the Alterations office.
- 3.8** All landscape and irrigation revisions required to accommodate the location of an outdoor condensing unit must be performed by the Mutual at the Mutual Member’s expense.



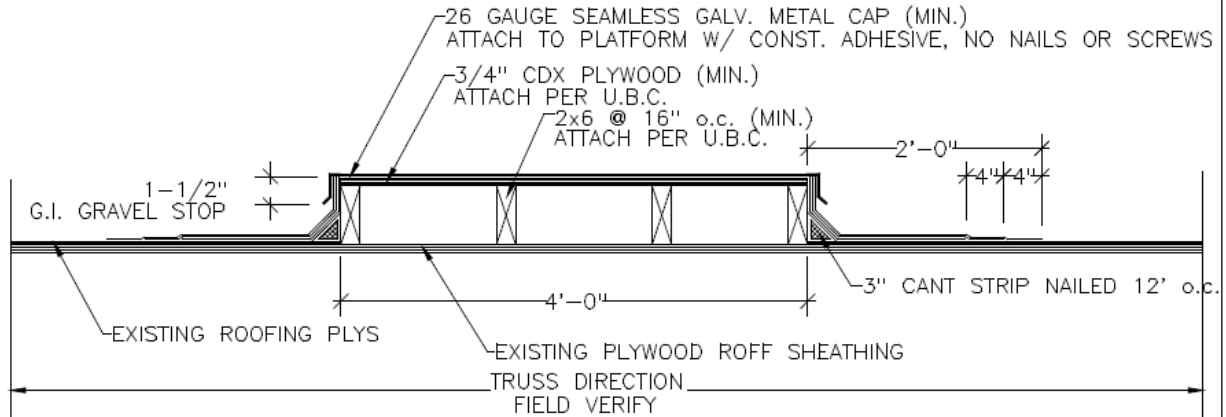
- 3.9** Ground level outdoor condensing units must be located within 24" of the building wall and mounted on a manufactured non-metallic and/or concrete pad.
- 3.10** All exterior wiring, condensate, and coolant lines must be encased in a single, square sheet metal two-piece chaseway painted to match the color of the wall to which it is attached. Roof mounted chases or ducts are prohibited.
- 3.11** The chaseway must be made rodent proof by installing wire mesh at the bottom of the chaseway.
- 3.12** Watertight seals must be provided around all penetrations.
- 3.13** Each installation on a building's elevation that faces another building or heavily traveled common area will be limited to one run and the length must be kept to a minimum and as unobtrusive as possible.
- 3.14** Each installation on a building's elevation that does not face another building or heavily traveled common area will be limited to three runs, and the lengths must be kept to a minimum and be as unobtrusive as possible.
- 3.15** Cutting of a cornice molding to accommodate a chaseway shall be performed by removing the affected section of molding, cutting the metal flashing at both ends, applying sealant under the metal flashing, bending the metal flashing to be flush with the wall and fastening the metal flashing in place using screws. Sealant shall be applied as needed and the cut ends of the cornice molding shall be sealed.
- 3.16** Roof-mounted condensing units must be mounted on a raised platform constructed per Mutual approved Standard Plan drawings. All tie-ins to a PVC Cool Roof must be performed by a certified roofing contractor. A Roofing Contractor Verification form will be required prior to the issuance of a permit.
- 3.17** Cutting or altering of roof trusses for the installation of air handlers in attic spaces is strictly prohibited.
- 3.18** When air handlers are installed in water heater closets, sufficient space must be provided above and around the water heater for repair and replacement of the water heater.

ROOFING NOTES

SPUD EXISTING ROOF AREA AROUND PLATFORM
 A MINIMUM OF 2 FEET AWAY FROM EACH SIDE.
 PRIMER PLATFORM SIDES, CANT STRIP, AND
 SPURED SURFACE W/ CON PRIME AT THE RATE 1gal per 100 SQ.FT

ROOF AS FOLLOWS PER 100 SQ.FT.

CONPLY TYPE A-IV(2LAYERS)	22lbs	PER 100 SQ.FT.
HMP ASPHALT (PLIES)	60lbs	PER 100 SQ.FT.
CONCAP (1 LAYER)	75lbs	PER 100 SQ.FT.
HMP ASPHALT (SURFACE)	25lbs	PER 100 SQ.FT.
GRAVEL (1/4" - 1/2")	400lbs	PER 100 SQ.FT.



HVAC ROOFTOP PLATFORM

SCALE: 1" = 1'-0"