

EQUIPMENT ELEVATION PLAN

HVAC Equipment Installation - Flood Zone Compliance

PROJECT INFORMATION

Property: 6714 Grand Boulevard, New Port Richey, FL
Owner: Sarah Martinez
Contractor: Coastal HVAC Specialists
License: CAC987654

FLOOD ZONE REQUIREMENTS

Flood Zone: AE
Base Flood Elevation (BFE): 10 feet
Required Equipment Elevation: 11 feet minimum

EQUIPMENT SPECIFICATIONS

Manufacturer: Carrier
Model: 24ACC642A003
Capacity: 3.5 tons
Serial Number: COAST123456
Weight (est.): 350 lbs

ELEVATION INSTALLATION OPTIONS

' RECOMMENDED: Wall Mounting Brackets (Most Common)

- Heavy-duty galvanized steel or aluminum brackets
- Triangle/L-bracket design, screwed into wall studs (minimum 16" o.c.)
- Elevation: 12-24 inches above grade (adjustable to BFE requirement)
- Load capacity: 300-500 lbs per bracket set
- Corrosion-resistant hardware (stainless steel lag bolts)
- Anti-vibration rubber isolation pads included
- Examples: DiversiTech, Rectorseal, JB Industries wall brackets
- Cost-effective, fast installation, easy service access

Option B: Elevated Concrete Pad (High BFE)

- Use when BFE requires 3+ feet elevation
- Reinforced concrete pad on CMU block piers
- Platform size: 4'x4' minimum for unit + service clearance
- Metal ladder or steps for service access
- More expensive but permanent solution

Option C: Rooftop Installation (Severe Flood Zones)

- For VE zones or properties with very high BFE
- Engineered roof curb with structural support
- Verify roof load capacity with structural engineer
- Hurricane straps and seismic anchors required
- Requires walkway pads and fall protection

ELECTRICAL REQUIREMENTS

- Disconnect switch ABOVE Base Flood Elevation
- Waterproof conduit (Schedule 80 PVC or rigid metal)
- GFCI protection per NEC Article 210.8
- Junction boxes: NEMA 4X (waterproof) rating
- Elevated wire connections with marine-grade sealant

DOCUMENTATION REQUIREMENTS

- & Elevation survey showing equipment height above BFE
- & Structural engineer letter (if platform > 4 feet high)
- & Photos of completed installation with measuring tape
- & Manufacturer cut sheets for equipment and anchors
- & Final inspection report

IMPORTANT: This plan is a general guideline. A licensed professional engineer must review and approve all structural elements of elevated equipment installations, especially in flood zones. Contractor is responsible for compliance with all local building codes, FEMA requirements, and manufacturer specifications.