

### GFY® Standards for Plotting HVLS Fans

- 1) Retain a dwg or high quality pdf of customer building where fans are to be installed.
- 2) Designate the area of the building as too which the fans will be needed
- 3) Retrain building dimension and information:
  - a. Ceiling heights
  - b. Ceiling type
    - i. Truss/I-Beam, Z-Purlin, Wood/Cement Beam
  - c. Area square footage
  - d. List any ceiling obstructions
  - e. Locate any roof exhaust fans
  - f. Locate any heaters
  - g. Locate lighting grid
  - h. Locate sprinkler locations if possible

### Z-Tech Plotting Standards

- 1) Clearance from solid roof surface
  - a. 20'-24' Blade – 5'
  - b. 8'-16' Blade – 4'
- 2) Minimum blade height (never allow blade height to be less than 10')
  - a. 24' Blade @ minimum 20'
  - b. 20' Blade @ minimum 16'
  - c. 16' Blade @ minimum 14'
  - d. 12' Blade @ minimum 14'
  - e. 8' Blade @ minimum 14'
- 3) Typical mounting distance between Fans
  - a. 24' Fan @ 170'
  - b. 20' Fan @ 140'
  - c. 16' Fan @ 110'
  - d. 12 Fan @ 80'
  - e. 8' Fan @ 50'
- 4) Maintain a minimum 2' clearance from tip of blade from any obstruction
- 5) Maintain a minimum 2' clearance from the tip of the blade on a sloped roof
- 6) Maintain a minimum 2' below truss with any fan diameter
- 7) Maintain a minimum of 1 fan diameter away from any heat source or exhaust fan
- 8) Should center fans between sprinkler heads and maintain 2' clearance from tip of blade
- 9) Lights should be spaced 2' or greater away from the tip of the fan blade to prevent shadowing and strobe effect.
- 10) Please review specification sheets for Motor Mount dimension and down tube specifications

Please Consult with factory for Air Coverage files.