



Innovative Air Movement for Healthy Spaces

GFY® Standards for Plotting Z-Tech3 fans

GFY® Standards for Plotting Z-Tech3 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-Tech3 Plotting Standards

- 1) Clearance from solid roof surface
 - a. 20' & 24' Blade - 5'
 - b. 16' Blade - 4'
 - c. 8' & 12' - 3'

- 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 12'
 - d. 12' Blade @ minimum 10'
 - e. 8' Blade @ minimum 10'

- 3) Typical mounting distance between Fans
 - a. 24' Fan @ 120'
 - b. 20' Fan @ 100'
 - c. 16' Fan @ 80'
 - d. 12 Fan @ 55'
 - e. 8' Fan @ 35'

- 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