



Fire Marshal Division

May 21, 2019

Don Hunter
P.O. Box 2296
Angier, NC 27501

Re: Rhino Shelf Powder Coating
475 S. Raleigh St.
Angier, NC 27501

Application Number FMFW1905-0006

To Whom It May Concern,

Thank you for submitting the plans for the fixed fire suppression system. The plans have been carefully reviewed by a qualified code enforcement official to examine for full compliance with the North Carolina Fire Prevention Code and all other fire protection regulatory documents. There are some items that were found during the plan review process that need to be addressed before a final inspection of the new facility can be given. These items are outlined and described below.

- **Dry-chemical systems.**
 - Dry-chemical extinguishing systems shall be installed, maintained, periodically inspected and tested in accordance with the North Carolina Fire Prevention Code, NFPA 17 and their listing.
- **Ventilation Interlocks**
 - With a total flooding system, the ventilation system for the paint booth is required to shut down before the system operates.
 - Spaying operations **CANNOT** be conducted without the operation of the ventilation system. An interlock must be provided between the ventilation system and spraying operation.
- **Fire Extinguisher**
 - Fire extinguishers of a rating no less than 4A:40 BC shall be within a 30 ft. travel distance from the paint booths.



- **904.4.1 Inspection.**
 - Prior to conducting final acceptance tests, the following items shall be inspected:
 - Hazard specification for consistency with design hazard.
 - Type, location and spacing of automatic- and manual- initiating devices.
 - Size, placement and position of nozzles or discharge orifices.
 - Location and identification of audible and visible alarm devices.
 - Identification of devices with proper designations.
 - Operating instructions.

- **Notes**
 - A 2 hour rated separation is required between the Business space and the Factory/Storage space.
 - Shop drawings for the powder booth suppression system must be submitted and reviewed.
 - Please schedule all inspections by calling (910) 984-4003

Thank you again for submitting the plans for the fixed fire suppression system. Please review the plans and adhere to any notes and alterations that were made in addition to the original drawings. These remarks are for the plans that were submitted and its original intent. These remarks do not apply if the original intent changes or what was submitted on the above date changes. If you have any questions, please do not hesitate to call this office.

Again, thank you and we look forward to working with you during the construction period!

Sincerely,



D. Banks Wallace
Chief Deputy Fire Marshal