PROJECT STREET ADDRESS: ____________________________________________________________

PERMIT #__________________________________________________________________________

THIS CHECKLIST IS TO BE USED AS A GUIDE WHEN PREPARING PLANS FOR SPRAY PAINT BOOTH INSTALLATIONS. NOTE: ALL REFERENCES WERE TAKEN FROM THE 2018 MESA FIRE CODE AND THE 2017 MESA ELECTRICAL CODE.

_____ 1. Complete and sign a Hazardous Material Inventory Statement (H.M.I.S.) for each chemical. One has been included for your use. IFC 5001.5.2

_____ 2. Provide a scaled floor plan including spray paint booth location and all other equipment locations. IFC 2404.2

_____ 3. Identify the size of the paint booth. The aggregate area of spray paint booths in a building shall not exceed the lesser of 10 percent of the area of any floor of a building, 1,500 square feet or the basic area allowed for a Group H-2 Occupancy without area increases. IFC 2404.3.3.6

_____ 4. A clear space of not less than 3 feet shall be maintained on all sides of the spray booth. SEE EXCEPTIONS. IFC 2404.3.3.5

_____ 5. Provide a minimum 4A-40BC type fire extinguisher within 30 feet of spray paint booth. IFC 906 and 2404.4.1

_____ 6. Provide “No Smoking” signs in a conspicuous location. IFC 310 and 2403.2.6

_____ 7. Provide a warning sign stating “No Welding. The Use of Welding or Cutting Equipment in or Near this Area is Dangerous Because of Fire and Explosion Hazards. Welding and Cutting shall be done only under the Supervision of the Person in Charge” in a conspicuous location. IFC 2403.2.7

_____ 8. Open flames and spark-producing devices shall not be located in flammable vapor areas and shall not be located within 20 feet of such areas unless separated by a permanent partition. SEE EXCEPTION. IFC 2403.2.2

_____ 9. Spray paint booths shall be constructed of approved noncombustible materials. IFC 2404.3.3.1

_____ 10. Spray paint booth floors shall be covered with a noncombustible, nonsparking material. IFC 2404.3.2

_____ 11. The interior surfaces of spray paint booths shall be smooth. IFC 2404.3.3.2
12. Where spray paint booths are illuminated through glass panels or other transparent materials only fixed luminaires shall be utilized. IFC 2404.6.2 through 2404.6.2.4

13. Mechanical ventilation shall be kept in operation at all times while spraying operations are being conducted and for a sufficient time thereafter. IFC 2404.7.1

14. Air exhausted from spraying operations shall not be recirculated. See Exceptions. IFC 2404.7.2

15. Ventilation systems shall be designed, installed and maintained such that the average air velocity over the open face of the booth, or booth cross section in the direction of airflow during spraying operations, shall not be less than 100 feet per minute. Submit calculations. IFC 2404.7.3.1

16. Each spray booth shall have an independent exhaust duct system discharging to the outside. See Exceptions. IFC 2404.7.5

17. The termination point for exhaust ducts discharging to the atmosphere shall not be less than the following distances: 30 feet from the property line; 10 feet from openings into the building; 6 feet from exterior walls and roofs; 30 feet from combustible walls or openings into the building that are in the direction of the exhaust discharge; 10 feet above adjoining grade. Submit a Section showing required distances. IFC 2404.7.6

18. Electric motors driving exhaust fans shall not be placed inside booths or ducts. IFC 2404.7.7

19. Air intake filters that are part of a wall or ceiling assembly shall be listed as Class I or II in accordance with UL 900. Exhaust filters shall be required. IFC 2404.7.8

20. Interlocks for spray application finishes shall be in accordance with Sections 2404.8.1 through 2404.8.2. IFC 2404.8

21. Spray booths and spray rooms used for drying operations shall comply with Section 2404.6.1 – 2404.6.1.2.2.

22. Facilities with limited spraying spaces (areas) shall comply with Section 2404.9 through 2404.9.4.

23. Submit sprinkler plans and calculations designed for Extra Hazard Group II Occupancy. 2016 NFPA 13 Section 5.4.2

24. Automatic sprinkler heads shall be protected from the accumulation of residue from spraying operations in an approved manner. Bags used as a protective covering shall be 0.003-inch thick polyethylene or cellophane or shall be thin paper. IFC 2404.5.2

25. Electrical wiring and equipment located outside of, but within 3 feet of openings in a spray booth or a spray room, shall be approved for Class I, Division 2 or Class II, Division 2 hazardous locations whichever is applicable. IFC 2403.2.1.3

26. Electrical areas inside the spray paint booth or room shall be per 2017 NEC Section 516 and IFC 2403.2.1.1.

27. Metal parts of spray booths, exhaust ducts and piping systems conveying Class I or II liquids shall be electrically grounded in accordance with NFPA 70. IFC 2403.2.5