

Fire Chief  
James DeFillippo  
1526 Stephanie Rd SE  
Rio Rancho, NM 87124



Fire Marshal  
Jessica Duron-Martinez  
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**Rio Rancho Fire Rescue  
FIRE 1 SITE PLAN CHECKLIST**

Project Information		Revised 04/26/2023
Project Name	Address and/Legal Description	Building Permit Number

	Pass	Fail	N/A	Requirement	Code Ref.
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Fire 1 Plans</b> shall have all information on 1 page and labeled as <b>Fire 1</b> . <b>Note: The fire 1 plans shall be submitted prior to building plan and submittal. The approved set needs to be inserted with the fire 2 page along with the building plan set.</b>	AHJ/FMO
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Fire Flow Requirements:</b> The construction type and the total square footage shall be indicated under the code criteria. Construction Type:                      Square Footage:                      Fire Flow:	IFC Appendix B
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Number of Hydrants Required and Spacing:</b> Our office will provide these numbers for you, or you can reference The Numbers off <b>Table C102.1</b>	IFC Appendix C
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Existing Fire hydrants:</b> Existing fire hydrants may be considered for a new project if their use doesn't restrict fire department access or restrict traffic to busy or arterial streets.	AHJ/FMO
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Existing or proposed fire hydrants:</b> All fire hydrants shall be shown on the plan shall be labeled as existing or proposed.	AHJ/FMO
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Fire Hydrant supply line location and dimensions:</b> Fire hydrant supply lines that branch off from the water mains shall be indicated with their diameters. Showing the hydrants, they serve.	IFC 507.1
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Public water main location and dimensions:</b> The public water mains shall be on the plans. The public water main diameters supplying the required existing and proposed fire hydrants shall be indicated.	IFC 507.1
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Apparatus Access around buildings:</b> Fire apparatus access roads shall extend to within 150 feet of all portions of the first floor of the facility and all portions of the exterior walls.	IFC 503.1.1
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Buildings Exceeding Three Stories or 30 feet in Height:</b> Buildings or facilities exceeding 30 feet or three stories in height shall have at least two means of fire apparatus access for each structure.	IFC D104.1
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Buildings exceeding 62,000 SQFT:</b> Buildings exceeding 62,000 gross square feet in area shall be provided with two separate and approved fire apparatus access roads.	IFC D104.2
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Multiple Family Residential Projects with more than 100 units:</b> Multiple Family Residential Projects having more than 100 dwelling units shall be equipped throughout with two separate and approved fire apparatus access roads.	IFC D106.1
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>One- or two-Family Dwelling Residential Developments:</b> Developments of one- or two-family dwellings where the number dwelling units exceed 30 shall be provided with separate and approved fire apparatus access roads and shall meet the requirements of Section D104.3.	IFC D107.1
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Remoteness:</b> Where two access roads are required, they shall be placed a distance apart equal to not less than one half of the length of the maximum overall diagonal dimension of the property or area to be served, Measured in a straight line between accesses.	IFC D104.3
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Aerial Apparatus Road Width and Proximity:</b> Buildings which exceed 30 feet in height require unobstructed aerial apparatus access roads not less than 26 feet in width exclusive of shoulders. Access is required on two sides of the structure and overhead obstructions are prohibited. At least one of the required access routes shall be located Within a minimum 15 feet and a maximum of 30 feet from the building and shall be positioned parallel to one entire side of the building.	IFC D105.2, D105.3

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15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Fire Apparatus Road Dimensions:</b> Fire apparatus roads shall have an unobstructed width not less than 20 feet and an unobstructed height not less than 13 feet 6 inches. They shall have an unobstructed width not less than 26 feet in width when fire department access road exceeds 300 feet.	<b>IFC 503.2.1</b>
16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Access road width with a Hydrant:</b> Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet, exclusive of shoulders.	<b>IFC D103.1</b>
17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Fire Lanes:</b> Fire apparatus access roads 20 ft. to 26 ft. shall have a fire lane marked on both sides of the road. Roads 26 ft. to 32 ft. wide shall be marked fire lane on one side. Refer to fire ord. 503.3.1 for fire lane curb marking requirements.	<b>IFC D103.6.1 D103.6.2</b>
18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Turning Radius:</b> The minimum turning radius shall be 28 feet as determined by the fire code official. The 28ft. radius will be measured from the inside radius.	<b>IFC 103.3</b>
19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Dead End:</b> Apparatus access roads which exceed 150 feet require an approved turnaround area for the fire apparatus. Refer to Appendix D for approved turnarounds.	<b>IFC 503.2.5</b>
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Access and Loading:</b> An approved fire apparatus access roads shall have an asphalt, concrete, or other approved driving surface capable of supporting the imposed load of fire apparatus weighing at least 75,000 pounds.	<b>IFC D102.1</b>
21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Engineering data:</b> Engineering data shall be submitted to substantiate weight bearing capacity and all-weather driving capabilities for fire apparatus access roads.	<b>AHJ/FMO</b>
22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Grade:</b> Fire apparatus access roads shall not exceed 10 percent in grade	<b>IFC D103.2</b>
23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Security Gates:</b> Security gates that extend across fire apparatus access roads or impede fire apparatus access shall have an approved means of operation to allow fire department access.	<b>IFC 503.6</b>
24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Fire Separation:</b> In order for occupancies to be considered separated they shall meet the International Building Code 2015 section 508.4. The separation shall be constructed as fire barriers in accordance with IBC section 707. Fire separation shall be indicated on the plan. The level (hour rating) of the separation shall also be indicated.	<b>IBC 508.4 508.4.4.1 707.3.9 707.3.10</b>
25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Sprinkler Systems:</b> New and existing sprinkler systems shall be indicated on the Plans. It shall be indicated as "sprinklered or nonsprinklered" under the code criteria.	<b>IFC 901.2</b>
26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Sprinkler Fire Department Connection (FDC):</b> The FDC shall be located within 100 feet of a hydrant. The inlet shall be between 18in. and 48in. above grade.	<b>IFC 507.5.1.1</b>
27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Sprinkler FDC Obstructions:</b> The FDC shall be unobstructed from any permanent object for a minimum distance of A 3ft. radius around the connection and 6.5 feet in height.	<b>IFC 912.4.2</b>
28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>The Post or Wall Indicator Valve (PIV or WIV)</b> shall be located on the Plans and installed as per NFPA 13	<b>IFC 903.3</b>
29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Class 1 Standpipe:</b> Standpipe systems shall be installed throughout buildings where the floor level of the highest story is located more than 30 feet above the lowest level of the fire dept. vehicle access.	<b>IFC 905.3</b>
30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Standpipe FDC:</b> The standpipe FDC shall be located within 100 feet of a hydrant.	<b>NFPA 14.6.4.5.4</b>
31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Premise ID:</b> Buildings shall have approved address numbers or building identification placed in a position plainly legible and visible from the street or the road fronting the property.	<b>IFC 505.1</b>
32	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Multiple buildings with a single address:</b> Each building shall display its specific alphabetical or numerical designation and be clearly distinguishable from the fire apparatus road.	<b>IFC 505.1</b>
33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Key Box:</b> A key box (Knox Box) is required if access to the building is necessary for life safety or firefighting purposes. All key boxes shall be mounted between 4 and 6 feet above grade. The key boxes shall be illuminated so as to be immediately visible to fire personnel upon approach. One key box shall be located at the main entrance	<b>IFC 506.1</b>