Caldwell Rural Fire Protection District
Prevention Division
621 Cleveland Blvd.
Caldwell Idaho,83605
(ALL CODE REFERENCES 2018 INTERNATIONAL FIRE CODE (IFC)

Commercial Fire Permit Requirements and Process

(Caldwell Rural Fire Protection District) (CRFPD)

Process:

1. Commercial building plans shall be submitted to the Canyon County Development Services Department first. Once the Canyon County Development Services Department provides the applicant with receipt of fees, the applicant can then submit the project to the Caldwell Fire Department through the Caldwell City's CitizanServe (CS) & Project Dox (PD) portal. The CS portal will issue the project an "FCP" number for tracking purposes and be assigned to a plan reviewer.
    - *Submit your application packet through the online portal found* Citizenserve Online Portal
2. *Packets must include:*
    - *Completed Application*
    - *Access - Include access dimensions, cross streets or address, size and number of new and existing structures and parcel information. Before final inspection/occupancy a "compaction report" shall be provided regarding all weather access meeting 80,000 lb compacity.*
    - *Water Supply* - Water supply plan method must be indicated within submittal. Fire suppression and alarm plans are a separate submittal if required.
    - *Building Plans - Cover page of building plans showing total fire area specifically diagram/ sheet with sq/ft., construction type, occupancy classification, building use, maximum occupancy,* Life Safety / Means of Egress plan.
    - *Signature of Owner/Applicant*
    - Receipt from Canyon County indicating permit number and fees.
    - *Pay all fees* - Commercial plan review fees due are based on 25% of the total permit and plan review combined cost calculated by Canyon County Building department. Fire Suppression & fire alarm system plan reviews fees are submitted to (city of Caldwell)
3. *You will hear back from the plan reviewer within 10 business days through the Citizenserve and Project Doc System or direct communication.*
    - Upon approval of the project the Canyon County Development Services will be notified of project status.
    - All inspections must be scheduled through the Citizenserve portal

Final inspection and payment required prior to occupancy authorization

Date: _____

Applicant Name: _____
Firm / Company: _____
Phone Number(s):_____
Email: _____

Legal Description: _____

Building Classification/Use: _____
Building size (sq. ft.): _____
Construction Type: _____
Address: _____
Parcel Number: _____

Canyon County Project Number_____

General

Upon or nearing completion of construction, a final inspection will be required. Additional inspections may be required throughout construction process based on review. The CRFPD will approve certificate of occupancy only upon full compliance, or mutually agreed upon and documented mitigation, regarding any and all correction items.

Access (503 IFC)

- An eKnox Box is required for this structure. ordering information for eKnox can be found at www.knoxbox.com. The installation location shall be determined by the Fire Code Official at time of installation
- Approved fire apparatus access roads shall be provided for every facility, building, or portion of building hereafter constructed or moved into or within the jurisdiction.
- Fire apparatus access roads shall be designed and maintained to support the imposed loads of the fire apparatus and shall be surfaced as to provide all weather driving capabilities. Please show weight barring calculations for the all-weather surface of the emergency access roads that is capable of supporting the imposed loads of fire apparatus weighing at least 80,000 pounds.

- Dead End
    - Fire apparatus access roads shall be a minimum width and height requirements per 2018 fire code and IDAPA rules.
    - Fire apparatus access gates shall be a minimum width of 20 feet and of the swinging or sliding type.
    - Electric gates shall be equipped with the means of opening the gate by the fire department personnel for emergency access. (eKnox or Opticom system)
- Must meet minimum width, grade, and turnaround requirements specified in Appendix D of the 2018 IFC or IDAPA RULES.

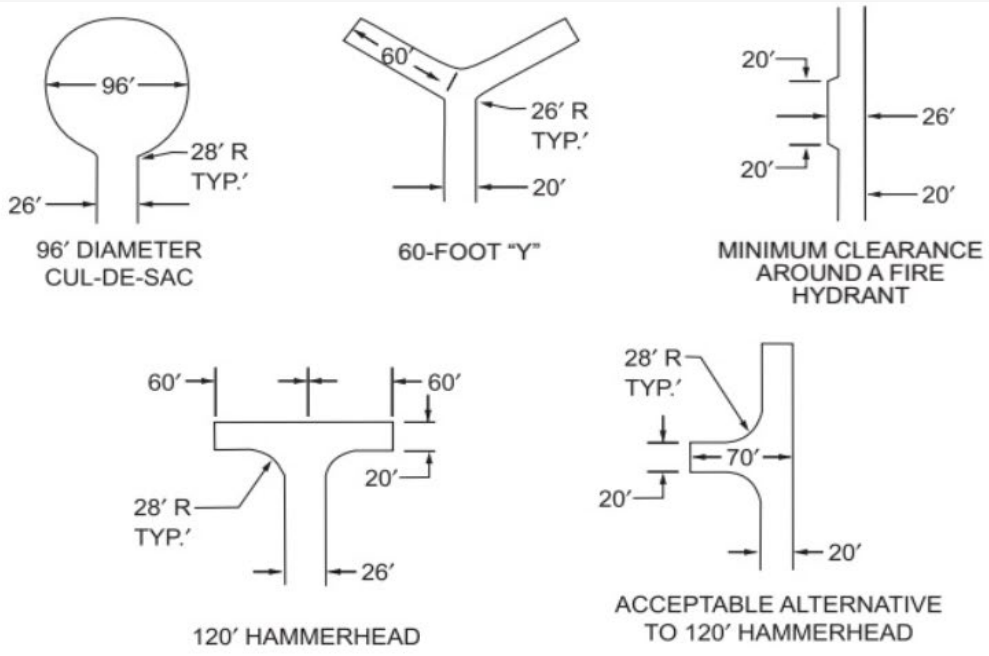

FIGURE D103.1
DEAD-END FIRE APPARATUS ACCESS ROAD TURNAROUND

Addressing (505 IFC)

- Addressing shall be legible and visible from the street or road fronting the property
- Characters must be contrast from their background
- Arabic numbers or alphabet – number cannot be spelled out
- Minimum height – 4" Minimum stroke width ½"
- Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other sign shall be used to identify the structure
- Address identification shall be maintained

Water supply (507 IFC)

- An approved water supply capable of supplying the required fire flow for the fire protection shall be provided to premises on which facilities, buildings or portions of buildings are hereafter constructed or moved into or within the justification.
- B105.2 Buildings other than one- and two-family dwellings,
    - Group R-3 and R-4 buildings and townhouses. The minimum fire-flow and flow duration for buildings other than one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses shall be as specified in Tables B105.2 and B105.1(2).
    - Fire Sprinkler/Alarm plans shall be submitted to the fire marshal's office for review and approval before installation.

TABLE B105.1(2)
REFERENCE TABLE FOR TABLES B105.1(1) AND B105.2

FIRE-FLOW CALCULATION AREA (square feet)					FIRE FLOW (gallons per minute)[b]	FLOW DURATION (hours)
Type IA and IB[a]	Type IIA and IIIA[a]	Type IV and V-A[a]	Type IIB and IIIB[a]	Type V-B[a]		
0-22,700	0-12,700	0-8,200	0-5,900	0-3,600	1,500	2
22,701-30,200	12,701-17,000	8,201-10,900	5,901-7,900	3,601-4,800	1,750	
30,201-38,700	17,001-21,800	10,901-12,900	7,901-9,800	4,801-6,200	2,000	
38,701-48,300	21,801-24,200	12,901-17,400	9,801-12,600	6,201-7,700	2,250	
48,301-59,000	24,201-33,200	17,401-21,300	12,601-15,400	7,701-9,400	2,500	
59,001-70,900	33,201-39,700	21,301-25,500	15,401-18,400	9,401-11,300	2,750	
70,901-83,700	39,701-47,100	25,501-30,100	18,401-21,800	11,301-13,400	3,000	3
83,701-97,700	47,101-54,900	30,101-35,200	21,801-25,900	13,401-15,600	3,250	
97,701-112,700	54,901-63,400	35,201-40,600	25,901-29,300	15,601-18,000	3,500	
112,701-128,700	63,401-72,400	40,601-46,400	29,301-33,500	18,001-20,600	3,750	
128,701-145,900	72,401-82,100	46,401-52,500	33,501-37,900	20,601-23,300	4,000	4
145,901-164,200	82,101-92,400	52,501-59,100	37,901-42,700	23,301-26,300	4,250	
164,201-183,400	92,401-103,100	59,101-66,000	42,701-47,700	26,301-29,300	4,500	
183,401-203,700	103,101-114,600	66,001-73,300	47,701-53,000	29,301-32,600	4,750	
203,701-225,200	114,601-126,700	73,301-81,100	53,001-58,600	32,601-36,000	5,000	
225,201-247,700	126,701-139,400	81,101-89,200	58,601-65,400	36,001-39,600	5,250	
247,701-271,200	139,401-152,600	89,201-97,700	65,401-70,600	39,601-43,400	5,500	
271,201-295,900	152,601-166,500	97,701-106,500	70,601-77,000	43,401-47,400	5,750	
295,901-Greater	166,501-Greater	106,501-115,800	77,001-83,700	47,401-51,500	6,000	
—	—	115,801-125,500	83,701-90,600	51,501-55,700	6,250	
—	—	125,501-135,500	90,601-97,900	55,701-60,200	6,500	
—	—	135,501-145,800	97,901-106,800	60,201-64,800	6,750	
—	—	145,801-156,700	106,801-113,200	64,801-69,600	7,000	
—	—	156,701-167,900	113,201-121,300	69,601-74,600	7,250	
—	—	167,901-179,400	121,301-129,600	74,601-79,800	7,500	
—	—	179,401-191,400	129,601-138,300	79,801-85,100	7,750	
—	—	191,401-Greater	138,301-Greater	85,101-Greater	8,000	

For SI: 1 square foot = 0.0929 m², 1 gallon per minute = 3.785 L/m, 1 pound per square inch = 6.895 kPa.
a. Types of construction are based on the *International Building Code*.
b. Measured at 20 psi residual pressure.

- Fire Sprinkler / Fire Alarms
- FDC Visible Location: Fire department connections shall be located on the street side of the buildings, fully visible and recognizable from the street or nearest point of fire department vehicle access or as otherwise approved by the Fire Marshal. With respect to hydrants, driveways, buildings and landscaping, fire department connections shall be so located that the fire apparatus and hose connected to supply the system will not obstruct access to the buildings for other fire apparatus. The location of the fire department connection shall be approved by the Fire Marshal. The location shall be moved to accommodate a 50 travel distance to the closest Fire hydrant.
- FDC: The Fire Department Connection shall be a 5" Storz fitting @ 30 degrees pointing down and located within 150' an approved fire hydrant.

Egress

- Life safety/ means of egress plan shall be submitted for approval in compliance with Chapter 10 in the 2018 International Fire Code.

Additional requirements may become apparent upon review or inspection.

For further clarification, information or to schedule an inspection please contact the Fire Marshal at 208-455-3032.