

Minidoka County Building Department
MECHANICAL / HVAC PACKET

715 G. Street, RUPERT, ID 83350

Phone: 208-436-7183 Fax: 208-436-1580

Email: Building@minidokacounty.id.gov

Website: Minidoka.id.us



Mechanical / HVAC Permit Guide

This guide outlines the requirements for obtaining a Mechanical Building Permit for Mechanical / HVAC work within Minidoka County.

In order to ensure that your application is processed in a timely manner, please provide a **complete application and submittals**. For application and submittal requirements, see the attached application and general information sheet.

Building Department

Rick Nay – Building Official/Zoning Administrator—Rnay@minidokacounty.id.gov

Daniel Christenson – Building Inspector – Dchristenson@minidokacounty.id.gov

CURRENT CODES:

2018 International Residential Code (IRC)

2018 International Mechanical Code (IMC)

2018 International Fire Code (IFC)

2018 International Fuel Gas Code (IFGC)

2018 International Energy Conservation Code (IECC)

MANUAL J DESIGN CRITERIA

Elevation	Latitude	Winter Heating	Summer Cooling	Altitude Correction Temperature	Indoor Design Temperature	Design Temperature Cooling	Heating Temperature Difference
4150	42	6	91	.87	70	75	68
Cooling Temperature Difference	Wind Velocity Heating	Wind Velocity Cooling	Coincident Wet Bulb	Daily Range	Winter Humidity	Summer Humidity	_____
15	15	7.5	62	H	50%	50%	_____

FIRE DEPARTMENTS:

City of Rupert : (208) 436-9600

West End : (208) 438-4511

MCFPD: (208) 679-8250

OTHER ENTITIES:

Idaho Division of Building Safety - (800) 955-3044

Electrical/Plumbing Permits

South Central Health District – (208) 678-8221

Minidoka Highway District – (208) 436-6112

Minidoka Irrigation District – (208) 436-3188

A&B Irrigation District – (208) 436-3152

MANUAL S, J & D Plan Review Requirements

The following items will be verified by the Mechanical Plans Examiner when a copy of the Manual S, J & D report has been submitted to the Minidoka Building Department. The items that will be verified have been established in order to ensure that the proposed heating and cooling equipment, load calculations and duct design (if applicable) are in accordance with ACCA Manual S, J & D standards or other approved methodologies as required by the International Residential Code.

If any design criteria are not in accordance with the approved methodologies, then corrections will be required and a revised Manual S, J & D report shall be resubmitted prior to HVAC inspections.

Design Conditions: the following conditions are in accordance with the Manual J

- Location & Elevation
- Outdoor Design Dry Bulb & Wet Bulb
- Indoor Design Dry Bulb
- Indoor Relative Humidity
- Entering Coil Dry & Wet Bulb

Equipment Selection: the following equipment information provided is in accordance with the Manual S

- Efficiency Ratings Applied to all Equipment Outputs
- Design Condition Criteria Applied to all Equipment Outputs
- Air Flow, Static Pressures & Load Sensible Heat Ratio are all adequate for the proposed Equipment & Conditions

Load Calculations: the following loads have been accurately designed in accordance with the Manual J

- Adequate Design of Practical Construction of Building Components (Walls, Floors, Windows, Ceilings, etc.)
- Construction Quality / Infiltration
- Mechanical Ventilation Load
- Occupant Loads (if applicable)
- Equipment Location & Duct Loads (if applicable)
- House Floor Plan with Solar Orientation Indicated

House Mechanical Design: the mechanical design serving the residence is in accordance with the Manual D

- Equipment Locations Identified
- Mechanical Ventilation Method Indicated
- Adequate Design of Ductwork and Registers (if applicable)
- Adequate Design of Static Pressures & Airflows (if applicable)

Project Valuation

Project Value is used to calculate fees for the permit. Project Value is the total value of the construction work for which the permit is issued, **including overhead and profit**, other permanent equipment, and owner supplied items. Project value excludes land.

Tank Sets

LOCATION OF LP-GAS CONTAINERS

LP-Gas Container Capacity (water gallons)	Minimum Separation Between LP-gas Containers and Buildings, Public Ways ^g , or Lot Lines of Adjoining Property that can be Built Upon		Minimum Separation Between LP-Gas containers ^{b, c} (feet)
	Mounded or underground LP-gas containers ^a (feet)	Above-ground LP-gas containers ^b (feet)	
Less than 125 ^{c, d}	10	5 ^e	None
125 to 250	10	10	None
251 to 500	10	10	3
501 to 2000	10	25 ^{e, f}	3
2001 to 30,000	50	50	5
30,001 to 70,000	50	75	(.25 of sum of diameters of adjacent LP-gas containers)
70,001 to 90,000	50	100	
90,001 to 120,000	50	125	

- a. Minimum distance for underground LP-gas containers shall be measured from the pressure relief device and the filling or liquid-level gauge vent connection at the container, except that all parts of an underground LP-gas container shall be not less than 10 feet from a building or lot line of adjoining property that can be built upon.
- b. For other than installations in which the overhanging structure is 50 feet or more above the relief-valve discharge outlet. In applying the distance between buildings and ASME LP-gas containers with a water capacity of 125 gallons or more, not less than 50 percent of this horizontal distance shall also apply to all portions of the building that project more than 5 feet from the building wall and that are higher than the relief valve discharge outlet. This horizontal distance shall be measured from a point determined by projecting the outside edge of such overhanging structure vertically downward to grade or other level on which the LP-gas container is installed. Distances to the building wall shall be not less than those prescribed in this table.
- c. Where underground multicontainer installations are composed of individual LP-gas containers having a water capacity of 125 gallons or more, such containers shall be installed so as to provide access at their ends or sides to facilitate working with cranes or hoists.
- d. At a consumer site, if the aggregate water capacity of a multiple-container installation, comprised of individual LP-gas containers having a water capacity of less than 125 gallons, is 500 gallons or more, the minimum distance shall comply with the appropriate portion of this table, applying the aggregate capacity rather than the capacity per LP-gas container. If more than one such installation is made, each installation shall be separated from other installations by not less than 25 feet. Minimum distances between LP-gas containers need not be applied.
- e. The following shall apply to above-ground containers installed alongside buildings:
 1. LP-gas containers of less than a 125-gallon water capacity are allowed without a separation distance where in compliance with Items 2, 3 and 4.
 2. Department of Transportation (DOTn) specification LP-gas containers shall be located and installed so that the discharge from the container pressure relief device is not less than 3 feet horizontally from building openings below the level of such discharge and shall not be beneath buildings unless the space is well ventilated to the outside and is not enclosed for more than 50 percent of its perimeter. The discharge from LP-gas container pressure relief devices shall be located not less than 5 feet from exterior sources of ignition, openings into direct-vent (sealed combustion system) appliances or mechanical ventilation air intakes.
 3. ASME LP-gas containers of less than a 125-gallon water capacity shall be located and installed such that the discharge from pressure relief devices shall not terminate in or beneath buildings and shall be located not less than 5 feet horizontally from building openings below the level of such discharge and not less than 5 feet from exterior sources of ignition, openings into direct vent (sealed combustion system) appliances, or mechanical ventilation air intakes.
 4. The filling connection and the vent from liquid-level gauges on either DOTn or ASME LP-gas containers filled at the point of installation shall be not less than 10 feet from exterior sources of ignition, openings into direct vent (sealed combustion system) appliances or mechanical ventilation air intakes.
- f. This distance is allowed to be reduced to not less than 10 feet for a single LP-gas container of 1,200-gallon water capacity or less, provided that such container is not less than 25 feet from other LP-gas containers of more than 125-gallon water capacity.
- g. Above-ground LP-gas containers with a water capacity of 2,000 gallons or less shall be separated from public ways by a distance of not less than 5 feet. Containers with a water capacity greater than 2,000 gallons shall be separated from public ways in accordance with this table.

Property Owner			
Name		City/State	Phone
Address			Email
Property Detail			
Parcel ID <input type="checkbox"/> Verified		Lot/Block/Subdivision	
Approximate Site Address		Fire District	Lot Size
Applicant /Contractor			
Name		Address	
Company		Phone	
License#	Expiration	Email	
New Residential (Single Family & Duplex)			
New Single Family Residence - 2,000 sq ft or LESS			\$89.00
New Single Family Residence - 2,001 sq ft or MORE			\$110.00
Duplex OR Townhouse			\$155.00
Description of Work:			Base Fee: \$20.00
			Total:
Other Residential, Multi-Family Residential (3 or more Units), OR Commercial Less Than \$3,000			
#	Heating or Cooling Units	\$5.00 per #	\$
#	Ventilation or Ducts (# of Appliances)		\$
#	Gas Lines and Tank Sets		\$
Multi-Family Dwellings		\$89.00 + \$35.00 per unit	\$
Description of Work:			Base Fee: \$20.00
			Total:

Commercial Mechanical \$3,000 or MORE		VALUATION: \$
Project Valuation \$3,000 to \$10,000	1 1/2% of Project Value	Fee: \$
Project Valuation \$10,001 to \$50,000	\$150 + 1% of remaining value over \$10,000	Fee: \$
Project Valuation OVER \$50,000	\$550 + .5% of remaining value over \$50,000	Fee: \$
Description of Work:		
Required Review Approvals and Comments **TANK SETS ONLY** Approvals & Comments may be Emailed to Building@co.minidoka.id.us		
Fire District (Tank Sets Only)	Date	
Signature	Printed Name	
PERMIT AGREEMENT		

THIS PERMIT CAN BECOME NULL AND VOID IF WORK OR CONSTRUCTION IS NOT COMMENCED WITHIN 180 DAYS OR IF CONSTRUCTION OR WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AT ANY TIME AFTER WORK HAS COMMENCED.

NOTICE: Application must be submitted prior to work being performed. Permit Application must be received at least 24 HOURS BEFORE the need of the first Inspection. Payment along with the original application must be submitted within 7 days of application submittal or an additional fee in the amount of the original fee may be assessed. Inspections requests should be made at least one half day prior to the need of inspection but does not guarantee same day inspection.

I certify that the application and scope of work provided are accurate.

Applicant / Authorized Agent Signature: _____ Date: _____

Received By: _____ Date: _____