



## EXCELSIOR FIRE DISTRICT

24100 SMITHTOWN ROAD



SHOREWOOD, MN 55331

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# Criteria for EFD Plan Review

All projects/construction must meet:

Minnesota State Fire Code 2006  
Minnesota State Residential Code 2012

NFPA 13 2010 Edition  
NFPA 13D 2002 Edition  
NFPA 13R 2010 Edition  
NFPA 72 2010 Edition  
NFPA 2015 editions adopted by the State of Minnesota in May, 2, 2016

Minnesota Rules 1306  
Adopted by the City of Excelsior, Greenwood, Shorewood, and Tonka Bay.

Contact info required for the person (s) overseeing the project/construction.

## Plan Review

Plan reviews require 14 business days to review from the date the plans, hydraulic calculations, data sheets, and other required documents are received by the Excelsior Fire District. All items listed above must be received before a plans will be reviewed.

*Note: The Excelsior Fire District will keep the items mentioned above for our records.*

Plans from all five cities are review in ordered received and not by the size of the job or square footage of the building.

Plans must be submitted to the City of Excelsior, Deephaven, Greenwood, Shorewood, and Tonka Bay or for a permit. The Excelsior Fire District does not issue building, sprinkler, or alarm system permits.

Occupancy must be classified before plans are reviewed.

Information required for occupancy classification:

Hours of operation

Primary function

Address of former location

On site sales

On line sales

Mission statement

Open to the public/access by the public

Current square footage of the building and any increase in square footage proposed for the building

Plans, as built plans, and permits must be on site at all times.

A rough in inspection will not be conducted without a plan review.

48 hours notice for rough in a final inspection.

## **Sprinkler System**

Plans must include data sheets and hydraulic calculations.

More than 20 heads moved or added require sprinkler plans.

Fire Department Connections (FDC) 2 inch pipe or less a single FDC is allowed.

Fire Department Connection 3 inch or more requires a Siamese FDC.

Install metal caps on Fire Department Connections.

No locking Fire Department Connections are allowed unless owner provides FDC key and a Knox box at the FDC.

Exterior entrance to Sprinkler Riser Room preferred.

## **Residential Sprinkler Systems**

Solenoid allowed and required on a residential well system unless they are a multipurpose system.

No shut off on residential riser unless they are a multipurpose system.

Residential sprinkler systems shut off must be installed before the meter.

No shut offs allowed after the meter.

The Excelsior Fire District recommends that a sprinkler head is placed above the staircase. This is a recommendation and not a requirement

## **Alarm Systems**

Plans required.

Must be a UL certified alarm company.

Annunciator required at the main entrance.

Zone(s) required to be posted at the annunciator and alarm panel.

A horn and strobe is required on a commercial building.

The horn and strobe must activate between 45-60 seconds after water flows in commercial and residential buildings.

The fire alarm system must be on its own circuit and the circuit breaker must be identified in red "FIRE ALARM CIRCUIT".

## **General**

A fire and police emergency Knox box (lock box) must be installed on a commercial building.

The address must be visible and legible-front and back of the building.

Revised: May 31, 2016