

Fire Sprinkler Calculation Form - Monterey County

Date: _____ Project Address: _____ Owner Name: _____

Assessor's Parcel Number: _____ Permit Number: _____

We are in the process of reviewing construction plans for the above project and need your assistance. The Fire District has adopted Section 102.1 Subsection 5 of the Monterey County Fire Code Amendments of the 2016 California Fire Code. This section requires residential/commercial sprinklers to be installed in major remodels and additions. If the project meets the requirement of this section, the entire residence must have a residential/commercial sprinkler system installed.

Section 102.1 Subsection 5 Monterey County Fire Code Amendments of the 2016 California Fire Code

Existing structures Alterations and repairs. All new work performed in alterations and/or repairs to existing structures shall comply with the current provisions of this Chapter. When alterations and/or repairs result in the removal, alteration, modification, replacement of fifty percent or more of the external walls of a building, or result in the removal, modification, replacement and/or repair of fifty percent or more of the existing internal structural and/or non-structural framework, independently or in combination thereof, within a five year period, the entire building shall be made to conform to the current provisions of this Chapter. The determination under this section of the requirement for upgrading any existing structure to full conformance with current provisions of this Chapter shall be at the sole discretion of the Fire Code Official.

COMMENTARY: This section is for all projects involving structural modifications. The following "formula" has been agreed upon by the Fire Districts Committee of the Monterey County Fire Prevention Officers Association:

STEP	ACTION	LINEAR FEET
1	Determine the total length of all walls interior/exterior (shared walls can only be measured once) of the original <i>existing building</i> .	
2	Determine the total length of all walls to be replaced during the remodel of the building. (removed drywall/wall covering/exterior siding)	
3	Determine the total length of all walls that are proposed to be removed and not replaced during the remodel of the building.	
4	Determine the total length of all walls (shared walls measured once) from an <i>addition</i> that have not been already counted in Steps 2 and 3.	
5	Add results of Steps 2, 3, and 4.	
6	Divide total of Step 5 by total of Step 1.	
7	If step 5 is 50% or more then automatic fire sprinklers are required for this project. Or if the cumulative total of projects within the 5 year period is 50% or more automatic fire sprinklers are required for this project.	

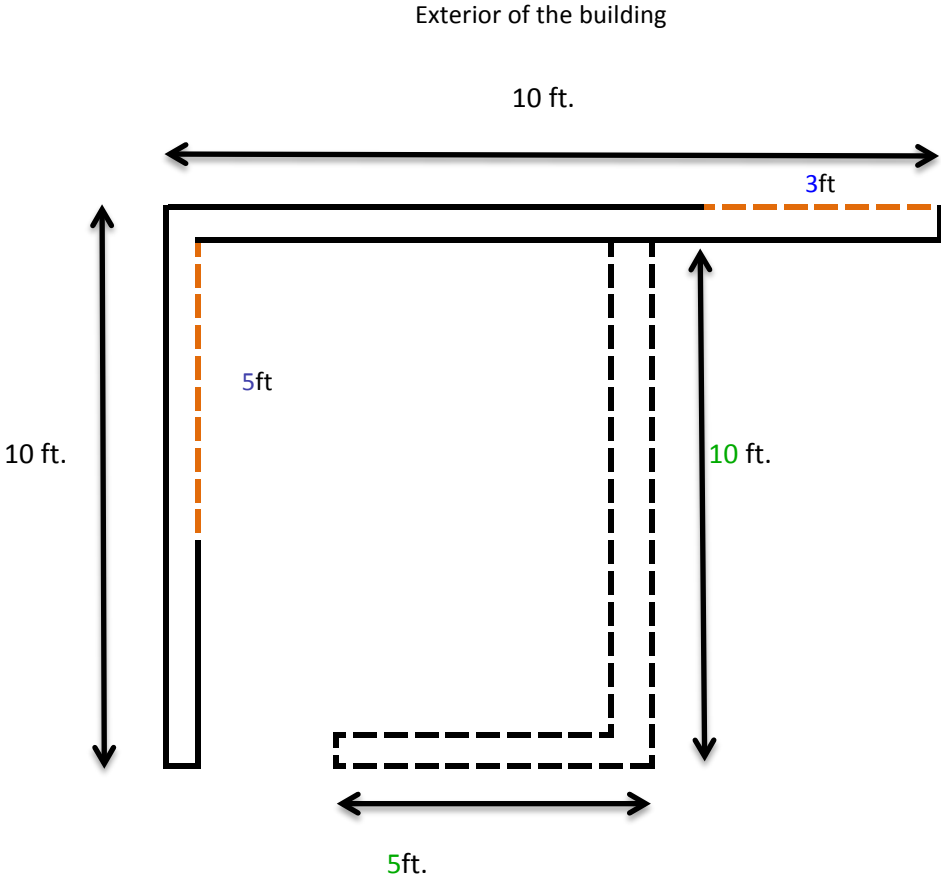
I attest that the measurements and calculations stated above for this project are true and correct.

Completed by:

Printed Name _____ Signature _____ Representing Firm _____

Certification/License Number _____ Phone Number _____ E-mail _____

Fire Sprinkler Calculation Sample



STEP	ACTION	LINEAR FEET
1	Determine the total length of all walls interior/exterior (shared walls can only be measured once) of the original existing building .	35 ft.
2	Determine the total length of all walls to be replaced during the remodel of the building. (removed drywall/wall covering/exterior siding)	8 ft
3	Determine the total length of all walls that are proposed to be removed and not replaced during the remodel of the building.	15 ft
4	Determine the total length of all walls (shared walls measured once) from an addition that have not been already counted in Steps 2 and 3. New linear feet added to the project	0 ft
5	Add results of Steps 2, 3, and 4.	
6	Divide total of Step 5 by total of Step 1.	
7	If step 5 is 50% or more then automatic fire sprinklers are required for this project. Or if the cumulative total of projects within the 5 year period is 50% or more automatic fire sprinklers are required for this project.	