



TC Figure 14 2018 Residential Code Fire Resistance Exterior Wall Construction

R302.1 Exterior walls. Construction, projections, openings and penetrations of exterior walls shall comply with Table R302.1(1).

Exceptions:

1. Walls, projections, openings or penetrations in walls perpendicular to the line used to determine the fire separation distance.
2. Walls of dwellings and accessory structures located on the same lot.
3. Detached tool sheds and storage sheds, playhouses and similar structures exempted from permits.
4. Detached garages located within 2 feet of a lot line can have eave projections not exceeding 4 inches.
5. Foundation vents are permitted.

**TABLE R302.1(1)
EXTERIOR WALLS**

EXTERIOR WALL ELEMENT		MIN. FIRE RATING	MIN. FIRE SEPARATION DISTANCE
Walls	Fire rated	1-hour (both sides)	0 feet
	Not Fire rated	0 hours	≥ 5 feet
Projections		N/A	< 2 feet
	Fire rated	1-hour (underside) ^{a, b}	≥ 2 feet to < 5 feet
	Not Fire rated	0 hours	≥ 5 feet
Wall Openings		N/A	< 3 feet
	Max 25% wall area per story	0 hours	3 feet
	Unlimited	0 hours	5 feet
Penetrations	All	See Section R302.4	< 3 feet
		None required	3 feet

a. The fire-resistance rating shall be permitted to be reduced to 0 hours on the underside of the eave overhang if fireblocking is provided from the wall top plate to the underside of the roof sheathing.

b. The fire-resistance rating shall be permitted to be reduced to 0 hours on the underside of the rake overhang where ventilation openings are not installed in the rake overhang or in walls that are common to attic areas.