

Fireline 520 LLC

Design Number GL-16310-2

Design Number GL-16310-3

Design Number GL-16310

Fireline520 Wallguard™ series (Vertical Assembly) 2" thru 26"

UL 2079(2004) ULC S 115-95 FTH

Fire Resistance Rating: 2 hour 3 hour and 4 hour

50% movement ASTM E-1399 Cycling- class 4

Fire-Resistive Joint Systems

1. Gypsum Wall Assembly:

A Rated wall

Wall assembly constructed of galvanized steel studs covered with two layers of gypsum wall board on each face. The end face layers of gypsum board fastened to steel studs with drywall screws.

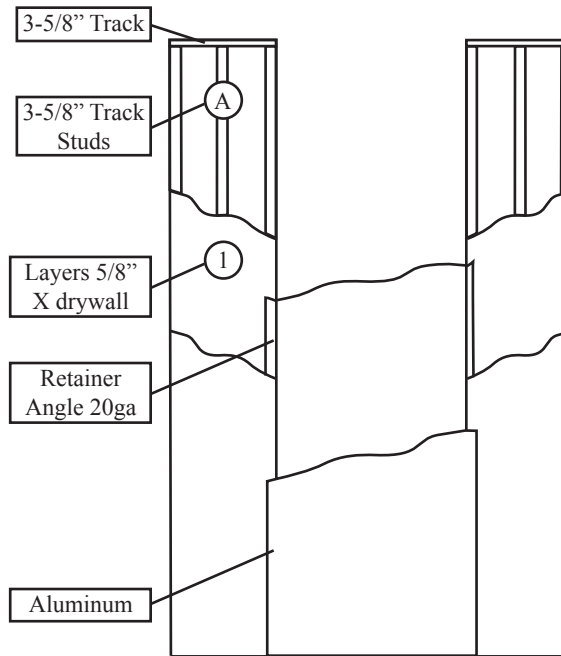
A. For 2 hour fire resistance rating:

Minimum two hour rated wall assembly constructed of the following:

25ga galvanized steel studs, spaced maximum 24" inches on center measuring 3-5/8" wide with 1 1/4" legs. Cover the studs with two layers of 5/8" thick, gypsum wall board type x on each face. The layers of gypsum board are fastened to the steel studs with dry wall screws space 12" on center.

B. For 3 hour fire resistance rating:

Minimum three-hour rated wall assemble constructed of the following 25ga galvanized steel stud spaced maximum 24" on center measuring 3-5/8" wide with 1-1/4" legs cover the studs with three layers of 5/8" thick type X type gypsum wall board on each face. The Base layer of gypsum wall board applied



vertically with butt joints over studs that are staggered on opposite faces of wall assembly and fastened to steel studs with drywall screws spaced 24" on center. A minimum wall thickness of 3 layers of 5/8" drywall on each face layer

C. For 4 hour fire resistance rating:

Minimum 4 hour rated wall assemble constructed of the following 20ga galvanized steel stud spaced maximum 24" on center measuring 3-5/8" wide,with 1-1/4" legs cover the studs with four layers of 5/8" thick type X type gypsum wall board on each face. The Base layer of gypsum wall board applied vertically with butt joints over studs that are staggered on opposite faces of wall assembly and fastened to steel studs with drywall screws spaced 24" on center. A minimum wall thickness of 4 layers of 5/8" drywall on each face layer

A. Metallic System:

Thickness of cover plate varies with joint width but not less than minimum 1/8" extruded or formed of aluminum, brass, bronze, or steel cover plate. Installed per manufacturer's instructions

B. Fire Barriers A minimum 1" thick layered, 8# pcf packing material on 2 hr walls 1-1/2" thick layered #8 pcf packing on 3 hr walls and 2" thick layered #8 pcf packing material on 4 hour walls

Listed Manufacturer:

Fireline 520 LLC.

Expansion control

Fire Resistive joint System

Wall to Wall Fireline 520 Wallguard™ series

Created April 2010

Guardian Fire Testing Laboratories, Inc.