

MARKETING BULLETIN

REPAIRING DAMAGE/DEFECTS IN A 2-HOUR AREA SEPARATION WALL SYSTEM

The 2-hour fire rated Area Separation Wall System was developed over 50 years ago as a way to economically protect from fire two (2) separate units in apartments, townhomes, condominiums and duplexes. At times during the installation of the ASW system, mistakes are made or damage occurs to this assembly - and for that reason American Gypsum performed a 2-hour full scale fire test per ASTM E119, with repairs to defects in this wall system. NOTE - only American Gypsum's 1" M-Bloc Shaft Liner and 1" M-Glass Shaft Liner panels are approved for use in fire test report - WFCi 19046.

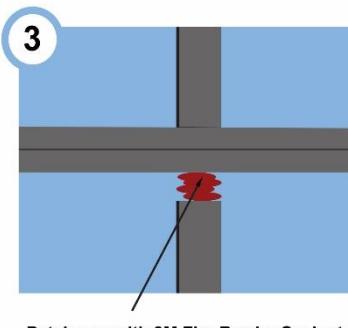
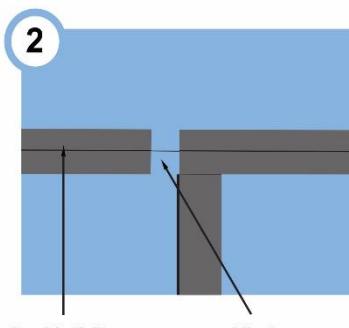
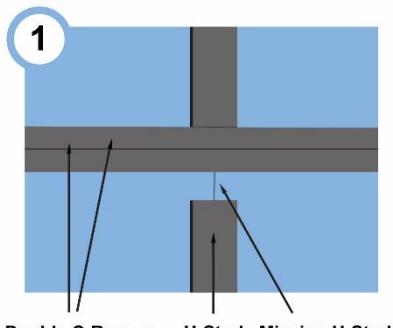
Below you will find one of the defects that was built into American Gypsum's Area Separation Wall System (UL U375), and how to successfully repair it in the field to ensure that the 2-hour fire rating is preserved.

DAMAGE OR DEFECT:	MISSING/DAMAGED H-STUDS OR C-RUNNER TRACK
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ISSUE: During installation of the ASW System, the vertical H-Studs and or the C-Runner track can be damaged or gaps between framing members can mistakenly be built into the wall (up to 1" maximum). Either of these defects voids the intended 2-hour fire rating.

REPAIR:

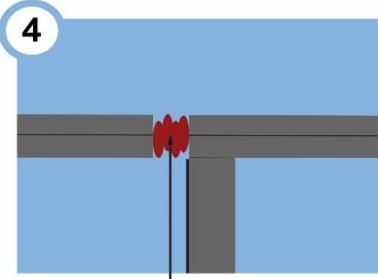
- ❖ Fill the damaged area or the gap/hole with 3M Fire Barrier Sealant CP 25 WB+ fire caulk
- ❖ Center over the fire caulking a section of metal flat strap – minimum 4" in width by 18" long (14 gauge)
- ❖ Secure metal flat strap to H-Stud or C-Runner Track with 1/2" Tek #8 self-drilling screws, spaced 6" on center
- ❖ Apply fire caulk around the perimeter of the metal flat strap
- ❖ Duplicate the metal flat strap patch on opposite side of wall



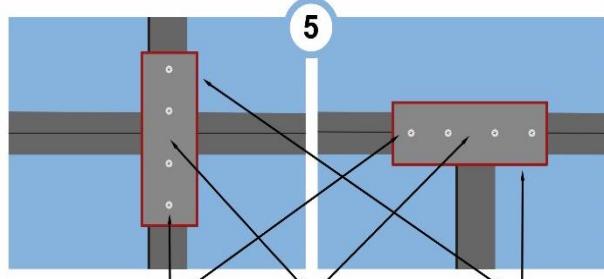
Double C-Runner H-Stud Missing H-Stud

Double C-Runner Missing Double C-Runner

Patch gap with 3M Fire Barrier Sealant
CP 25WB+ fire caulk



Patch gap with 3M Fire Barrier Sealant
CP 25WB+ fire caulk



Secure flat strap with
1/2" Tek #8 self-drilling
screws, spaced 6" o/c

Metal flat strap, min.
4" wide by 18" long
(14 gauge) centered
over patched area

Apply 3M Fire Barrier
Sealant CP 25WB+ fire
caulk around perimeter

THE PRODUCTS YOU NEED FROM THOSE YOU TRUST

FireBloc® | M-Bloc® | LightRoc® | M-Glass®

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