
UL Design

usg fire-resistant assemblies catalog (english) - sa100 - and certified in their entirety. these designs are identified in the ul fire resistance directory, which is updated yearly and can be referenced at the underwriters laboratories website at ul. for additional information on usg fire-rated assemblies, cad, bim content and specifications, visit usg design studio at usgdesignstudio. **ul design u419 - 1, 2, 3 or 4 hour wall assembly ...** - fire resistance assemblies and products are developed by the design submitter and have been investigated by ul for compliance with applicable requirements. the published information cannot always address every construction nuance encountered in the field. **fire resistance directory gcp applied technologies ul ...** - this design was evaluated using a load design method other than the limit states design method (e.g., working stress design method). for jurisdictions employing the limit states design method, such as canada, a load restriction factor shall be used — see **ul design u438 - 2 hour wall assembly - installation ...** - fire resistance assemblies and products are developed by the design submitter and have been investigated by ul for compliance with applicable requirements. the published information cannot always address every construction nuance encountered in the field. **ul design no. x528 - certainteed** - title: ul design no. x528 author: powers created date: 3/26/2007 8:06:57 pm **design no. x772 - a/d fire protection systems** - design no. x772 august 17, 2015 ratings — 1, 1 1/2, 2, 3 and 4 h. * indicates such products shall bear the ul or cul certification mark for jurisdictions employing the ul or cul certification (such as canada), respectively. 1. **underwriters laboratories inc. fire resistive designs ...** - design 1 1.5 2 3 4 5gp-ef-md 7gp-hd 703 n key to tables: u = unrestrained assembly or beam r = restrained assembly or beam b = both u & r c = column (r & u not applicable) n = nonbearing wall assembly red = frequently used designs underwriters laboratories inc. fire resistive designs southwest fireproofing products company **design no. v438 - telling industries** - and use of ul certified products, equipment, system, devices, and materials. authorities having jurisdiction should be consulted before construction. fire resistance assemblies and products are developed by the design submitter and have been investigated by ul for compliance with applicable requirements. **design no. u419 nonbearing wall ratings — 1, 2, 3 or 4 hr ...** - design no. u419 nonbearing wall ratings — 1, 2, 3 or 4 hr (see items 3 & 4) 1. ... bearing the ul classification marking as to surface burning characteristics and/or fire resistance. see batts and blankets (bknv or bzjz) categories for names of classified companies. 4. **bxuv.p741 - fire resistance ratings - ansi/ul 263** - only products which bear ul's mark are considered as classified, listed, or recognized. fire resistance ratings - ansi/ul 263 see general information for fire resistance ratings - ansi/ul 263 design no. p741 june 19, 2012 restrained assembly ratings — 1, 1-1/2 or 2 hr (see items 6 and 6a) **design no. u350 bxuv.u350 fire-resistance ratings - ansi ...** - fire resistance assemblies and products are developed by the design submitter and have been investigated by ul for compliance with applicable requirements. the published information cannot always address every construction nuance encountered in the field. **design no. u349 - lp building products** - only products which bear ul's mark are considered as classified, listed, or recognized. fire resistance ratings - ansi/ul 263 see general information for fire resistance ratings - ansi/ul 263 design no. u349 september 18, 2012 bearing wall rating — 2 hr (exposed to fire on interior face only) for wood studs, finish rating — 55 min **design no. x528 ratings — 1, 2 and 3 hr. - superior builders** - design no. x528 ratings — 1, 2 and 3 hr. 1. steel column — min sizes of w-shaped and tubular steel columns which appear in the aisc steel construction manual as shown under item 2. 2. ... *bearing the ul classification mark. title: printing - ul fire-related directories author: **design no. d916 april 25, 2002 - metal dek** - grace korea inc — types z-106, z-106/g, z-106/hy, monokote acoustic 5. southwest vermiculite co — type 7gp. 4b. alternate spray-applied fire resistive materials — applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below to steel beam surfaces which must be **design no. u408 - telling industries** - fire resistance assemblies and products are developed by the design submitter and have been investigated by ul for compliance with applicable requirements. the published information cannot always address every construction nuance **ul evaluation report - national gypsum** - ul design w419 - system a is similar to design u499 except that steel clips may be used to attach the furring channels to the studs. clips are spaced a maximum of 24 in. oc and secured to studs with no. 8 x 1-1/2 in. minimum self-drilling s-12 steel screw through center grommet. **bxuv.i511 - fire resistance ratings - ansi/ul 263** - fire resistance assemblies and products are developed by the design submitter and have been investigated by ul for compliance with applicable requirements. the published information cannot always address every construction nuance encountered in the field. **design no. n706 - tucker & mulhern** - fire resistance assemblies and products are developed by the design submitter and have been investigated by ul for compliance with applicable requirements. the published information cannot always address every construction nuance encountered in the field. **ul design considerations - aisc home** - ul design considerations using ul designs for fire protection with today's steel design codes. recently, aisc and aisireceived several inquiries re - lated to monokote fireproofing bulletins that representatives of w.r. grace are distributing. the bulletins in question concern load restrictions on structural steel beams in underwriters labo- **design no. d858 - isolatek international** - trench header — (bearing the ul listing mark) — as an alternate to item 6, a trench header without the bottom pan may be used. the allowable superimposed load for spans

with a bottomless trench header shall be based on noncomposite design. **design no. v303 bxuv.v303 fire resistance ratings - ansi ...** - fire resistance ratings - ansi/ul 263 see general information for fire resistance ratings - ansi/ul 263 design no. v303 december 01, 2011 (exposed to fire on interior face only) bearing wall rating — 1 hr. load restricted for canadian applications — see guide bxuv7 exterior interior design no. v303 bxuv.v303 fire resistance ratings - ansi ... **bxuv.x313 fire resistance ratings - ansi/ul 263 design ...** - zfire resistance assemblies and products are developed by the design submitter and have been investigated by ul for compliance with applicable requirements. the published information cannot always address every construction nuance encountered in the field. **bxuv.l548 fire resistance ratings - ansi/ul 263** - fire resistance ratings - ansi/ul 263 see general information for fire resistance ratings - ansi/ul 263 design no. l548 december 28, 2007 restrained assembly rating — 1 hr unrestrained assembly rating — 1 hr load restricted for canadian applications — see guide bxuv7 1. **bxuv.l521 - fire resistance ratings - ansi/ul 263** - fire resistance assemblies and products are developed by the design submitter and have been investigated by ul for compliance with applicable requirements. the published information cannot always address every construction nuance encountered in the field. **design no. u301 design no. u341 design no. u905 design no ...** - *bearing the ul classification mark design no. u341 bearing wall rating - 1 hr. finish rating - min 20 min. :rrg 6wxgv ² 1rp e\ lq vsdfhg lq 2& pd[hiihfwyho\ iluhvwrsshg -rlqvv dgg 1dlo +hdgv ² -rlqvv fryhuhg zlwk mrlqw frpsrxqg dgg sdsu wdsh -rlqw frpsrxqg dgg sdsu wdsh may be omitted when square edge boards are used. **design no. d902 december 11, 2003 - metal dek** - specifications for a max design stress of 30,000 psi. top chords shall consist of two angles measuring 1-1/2 by 1-1/2 by 0.156 in. thick. bottom chord shall consist of two round bars measuring 0.675 in. in diam. or two nangles measuring 1 by 1 by 0.125 in. thick. the second web member at each end shall consist of 0.654 in. diam round bar. **comparative analysis: ul design l583 for isomax** - comparative analysis: ul design l583 for isomax confusion hinders the proper selection and construction of ul designs for fire-rated, wood-framed floor-ceiling assemblies: which ul design should i choose? what is the proper spacing of sound isolation clips? what happens if i want fiber glass in the cavity for noise control? **locating fire-resistance-rated designs using ul product spec™** - ul product spec™ also allows you to easily access designs when the design number is known. from the homepage, select products, systems or assemblies > building or fire systems > fire rated walls, floors, beams and columns > search by assembly number. enter the design number and click on search. **design no. p921 bxuv.p921 fire resistance ratings - ansi ...** - fire resistance ratings - ansi/ul 263 see general information for fire resistance ratings - ansi/ul 263 design no. p921 september 27, 2011 restrained assembly rating — 1, 1-1/2 or 2 hr (see items 4, 6, 7 and 9) unrestrained assembly rating — 0 hr (see item 7) **bxuvc.u905 - fire resistance ratings** - design no. u905 june 18, 2012 assembly rating - 2 h load restricted — assembly evaluated in accordance with working stress design methods, for use under limit states design methods; refer to information under guide bxuvc. horizontal section bearing or nonbearing wall · 1. **2 hour corridor assembly - national gypsum** - date: 11/05/13 2 hour corridor assembly horizontal shaftwall assembly - ul design: g586 2 hr rated partition - ul design: u411 or v438 note: for spans greater than 8'-0" refer to detail sw 703 for intermediate supports steel j track - fasten to studs with 1 5/8" type s screws bracing as required rated or non-rated floor-ceiling assembly mineral ... **fire resistance ratings - ansi/ul 263 - triton college** - fire resistance ratings - ansi/ul 263 see general information for fire resistance ratings - ansi/ul 263 design no. u424 july 30, 2007 (exposed to fire on interior face only) bearing wall ratings — 45 min, 1, 1-1/2 or 2 hr (see item 4) load restricted for canadian applications — see guide bxuv7 1. **fire doors and windows, etc. - ul** - scope of ul's certifications of a specific product. the enhanced ul certified mark makes it possible to bundle multiple ul certifications for multiple geographies into a single mark design. today, this mark is used for products certified to u.s., canadian, european and japanese requirements. this **fire & sound in multifamily floors - usg** - the ul certification (design) number in the ul online certifications directory . because ul designs are revised on a regular basis, hard copies may be outdated even on the day they are purchased . typically when a ul design is revised, additional options are added . when there are a large number of options in a ul design, it can be very confusing . **designing fire protecton for steel beams** - available from numerous sources, the ul fire resistance directory, published annually by the underwriters laboratories inc. (ul), is the single, most widely used reference for design professionals and code enforcement officials. the ul directory contains fire resistance ratings for literally hundreds of construction assemblies, **n614 unrestrained beam - isolatek international** - refer to actual ul design for complete details. page 1 6/26/2012 n614 astm desig. w/d **guideline on through-penetration firestopping - smacna** - design professionals. 2.2 terminology approved methods. a term used in a broad manner to refer to through-penetration firestop systems that have been tested and meet test criteria [american society testing materials (astm) e 814 or underwriters laboratories, inc. (ul) standard 1479] by an independent recognized laboratory. additionally, **fire resistance directory gcp applied technologies ul ...** - 2. welded wire fabric — 6 x 6, 10 x 10 swg. 2a. negative reinforcement — (not shown) - optional - for 3/4, 1, 1-1/2 and 2 hr restrained assembly rating only. used in lieu of item 2 and with items 2b or 2c. for floor spans with concrete cast continuous over the supporting beams. **fr-system 2 wood i joist - maxxon** - fire tests, 41 hour - ul design no. l518; ... above fire tests by underwriters laboratories, inc., as shown in their current fire resistance directory, or on their web site: ul. *not pictured other fire tests where maxxon underlayments have been used:

000-mxu-009 **bxuv.g534 fire resistance ratings - ansi/ul 263** - fire resistance ratings - ansi/ul 263 see general information for fire resistance ratings - ansi/ul 263 design no. g534 october 03, 2007 restrained assembly rating — 1 hr unrestrained assembly rating — 1 hr load restricted for canadian applications — see guide bxuv7 1. **bearing wall rating - 3 hr. nonbearing wall rating - 3 hr.** - bearing wall rating - 3 hr. nonbearing wall rating - 3 hr. 1. concrete blocks* - various designs. classificaon c-3 (3 hr). 2. mortar - blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part portland cement (proportioned by **bxuv.u465 fire resistance ratings - ansi/ul 263** - zonly products which bear ul's mark are considered as classified, listed, or recognized. fire resistance ratings - ansi/ul 263 see general information for fire resistance ratings - ansi/ul 263 design no. u465 march 03, 2010 nonbearing wall rating — 1 hr. 1. **design no. u428 - scafco** - design no. u428 october 13, 2015 nonbearing wall rating — 2 hr * indicates such products shall bear the ul or cul certification mark for jurisdictions employing the ul or cul certification (such as canada), respectively. 1. **home quick guide contact us ul - futurestone** - fire resistance assemblies and products are developed by the design submitter and have been investigated by ul for compliance with applicable requirements. the published information cannot always address every construction nuance **ul labeling - discountlabels** - design layout of it to a ul label center to review and verify that the required information is in an acceptable format. this has to be done prior to reproduction of the ul mark to ensure the correct design is used and to eliminate potential disruption of production due to using an unacceptable ul

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