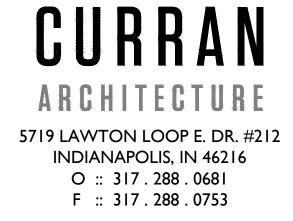


	-	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263
	1G. Framing Members*— Floor and Ceiling Runners — Not shown - In lieu of Items 1 through 1F — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide, attached to floor and ceiling with fasteners spaced 24 in. OC max. STUDCO BUILDING SYSTEMS — CROCSTUD Track	floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height. 2D. <b>Framing Members*</b> — <b>Steel Studs</b> — As an alternate to Items 2 through 2C- For use with Item 1D and 4G only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height. <b>CLARKDIETRICH BUILDING SYSTEMS</b> — CD ProSTUD	insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density 4.3 pounds per cubic ft. <b>NU-WOOL CO INC</b> — Cellulose Insulation
	1H. Floor and Ceiling Runners — (Not shown) — Channel shaped, fabricated from min 0.02 in. galv steel,	DMFCWBS L L C ProSTUD	3C. <b>Fiber, Sprayed*</b> — As an alternate to Batts and Blankets (Item 3) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instruction supplied with the product. The minimum dry density shall be 4.30 lbs/ft <sup>3</sup> .
with Item 020 in.	min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.02 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.	MBA BUILDING SUPPLIES — ProSTUD	INTERNATIONAL CELLULOSE CORP — Celbar-RL
	MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20 <sup>™</sup> Track VT100.	RAM SALES L L C — Ram ProSTUD	3D. <b>Batts and Blankets*</b> — For use with Item 8. Nom 3 in. thick, minimum 3.4 pcf mineral wool batts, friction fit between the studs and floor and ceiling runners.
- 11	1I. Framing Members* - Floor and Ceiling Runners — Not shown - In lieu of Item 1 — For use with Item 2H, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. TELLING INDUSTRIES L L C — Viper20 <sup>™</sup> Track	SOUTHEASTERN STUD & COMPONENTS INC - ProSTUD	See <b>Batts and Blankets</b> (BZJZ) category for names of manufacturers. 4. <b>Gypsum Board*</b> — 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. J oriented vertically and staggered on opposite sides of the assembly. When attached to item 6 (resilient channels) or 6A or 6C (furring channels), gypsum board is screw attached to furring channels with 1 in. lo
	<ol> <li>Steel Studs — Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.</li> </ol>	STEEL STRUCTURAL SYSTEMS L L C — Tri-S ProSTUD	Type S steel screws spaced 12 in. OC.
from min	2A. Framing Members*— Steel Studs — As an alternate to Item 2 - Channel shaped studs, min 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.	2E. Framing Members*— Steel Studs — As an alternate to Items 2 through 2D- For use with Item 1E and 4I only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.	AMERICAN GYPSUM CO — Types AG-C, AGX-1, M-Glass
legs, 1C — For	ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System	TELLING INDUSTRIES L L C — TRUE-STUD™	<b>BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO</b> — Type DBX-1.
wide in. OC	CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME Framing System	2F. Framing Members*— Steel Studs — As an alternate to Items 2 through 2E- For use with Item 1F, channel shaped studs, min 3-5/8 in. wide fabricated from min 25 MSG steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.	CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.
	QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System	KIRII (HONG KONG) LTD — Type KIRII	CERTAINTEED GYPSUM INC — Types 1, EGRG, GlasRoc, Type X, Type C, SilentFX, 5/8" Easi-Lite Type
	SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System	2G. Framing Members* - Steel Studs — Not shown - In lieu of Item 2 through 2F - For use with Item 1G. Proprietary channel shaped studs, minimum 3-5/8 in. wide, Studs to be cut 1/2 in. less than the assembly height.	CERTAINTEED GYPSUM CANADA INC — Type C, Type X, Type Abuse-Resistant, 5/8" Easi-Lite Type X
	STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System	STUDCO BUILDING SYSTEMS - CROCSTUD	GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6, LS.
	UNITED METAL PRODUCTS INC — Type SUPREME Framing System 2B. Framing Members* - Steel Studs — Not shown - In lieu of Item 2 — For use with Item 1B, proprietary	2H. <b>Framing Members* - Steel Studs</b> — Not shown - In lieu of Item 2 — For use with Item 1I, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.	<b>LAFARGE NORTH AMERICA INC</b> — Types LGFC2, LGFC2A, LGFC6, LGFC6A, LGFC-C, LGFC-C/A, LGFC-V LGLLX.
	channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height. CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™	TELLING INDUSTRIES L L C − Viper20 <sup>™</sup>	NATIONAL GYPSUM CO — Types FSK, FSK-C, FSK-G, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FS
D — For	CRACO MFG INC — SmarterStud20™, SmartStud20™	<ul> <li>3. Batts and Blankets* — (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity.</li> <li>See Batts and Blankets (BZJZ) category for names of Classified companies.</li> </ul>	PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-C, PG-9, PG-11, PGS-WRS.
ide n. OC	MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™	3A. <b>Fiber, Sprayed*</b> — As an alternate to Batts and Blankets (Item 3) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ $t^3$ . Alternate	PANEL REY S A — Types GREX, PRX, RHX, MDX, ETX.
For	PHILLIPS MFG CO L L C — Viper20™	Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft <sup>3</sup> , in accordance with the application instructions supplied with the product. <b>U S GREENFIBER L L C</b> — INS735 & INS745 for use with wet or dry application. INS765LD and INS770LD are	SIAM GYPSUM INDUSTRY (SARABURI) CO LTD - Type EX-1
E — For 25 MSG	2C. <b>Steel Studs</b> — (As an alternate to Item 2, For use with Item 4E) Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into	to be used for dry application only. 3B. <b>Fiber, Sprayed*</b> — As an alternate to Batts and Blankets (Item 3) and Item 3A - Spray applied cellulose	<b>TEMPLE-INLAND</b> — Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, S Type X, TG-C, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board.
	tp://database.ul.com/ANSI/UL+263&objid=1074330743&cfgid=1073741824&version=versionless&parent_id=1073984818&sequence=1[8/8/2013 8:57:01 XUV.U465 - Fire Resistance Ratings - ANSI/UL 263	<ul> <li>AM] http://database.ul.com/ANSI/UL+263&amp;objid=1074330743&amp;cfgid=1073741824&amp;version=versionless&amp;parent_id=1073984818&amp;sequence=1[8/8/2013 8:57:01 AI BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263</li> </ul>	<ul> <li>M] http://database.ul.com/ANSI/UL+263&amp;objid=1074330743&amp;cfgid=1073741824&amp;version=versionless&amp;parent_id=1073984818&amp;sequence=1[8/8</li> <li>BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263</li> </ul>
els			
nels d raming	XUV.U465 - Fire Resistance Ratings - ANSI/UL 263	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263         USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR         5. Joint Tape and Compound — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate,	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263 fitted into clips. <b>STUDCO BUILDING SYSTEMS</b> — RESILMOUNT Sound Isolation Clips - Type A237R 7. Wall and Partition Facings and Accessories* — (Optional, Not shown) — Nominal 1/2 in. thick, 4 f panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in
B2 hels d raming . OC in the 5/8 in.	KUV.U465 - Fire Resistance Ratings - ANSI/UL 263         UNITED STATES GYPSUM CO - Type ULX         USG MEXICO S A DE C V - Type ULX         4L. Gypsum Board* - (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263         USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR         5. Joint Tape and Compound — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.         6. Resilient Channel — (Optional-Not Shown) — 25 MSG galv steel resilient channels spaced vertically max	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263 fitted into clips. <b>STUDCO BUILDING SYSTEMS</b> — RESILMOUNT Sound Isolation Clips - Type A237R 7. Wall and Partition Facings and Accessories* — (Optional, Not shown) — Nominal 1/2 in. thick, 4 f panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be
B2 hels d raming . OC in the 5/8 in.	<ul> <li>XUV.U465 - Fire Resistance Ratings - ANSI/UL 263</li> <li>UNITED STATES GYPSUM CO — Type ULX</li> <li>USG MEXICO S A DE C V — Type ULX</li> <li>4L. Gypsum Board* — (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of</li> </ul>	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263         USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR         5. Joint Tape and Compound — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263         fitted into clips.         STUDCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237R         7. Wall and Partition Facings and Accessories* - (Optional, Not shown) - Nominal 1/2 in. thick, 4 f         panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of I Classified Gypsum Board.         SERIOUS ENERGY INC - Type QuietRock QR-510.
B3 hels d raming . OC in the 5/8 in. n. long, n. long, nd	<ul> <li>KUV.U465 - Fire Resistance Ratings - ANSI/UL 263</li> <li>UNITED STATES GYPSUM CO — Type ULX</li> <li>USG MEXICO S A DE C V — Type ULX</li> <li>4L. Gypsum Board* — (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached</li> </ul>	<ul> <li>BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263</li> <li>USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR</li> <li>5. Joint Tape and Compound — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.</li> <li>6. Resilient Channel — (Optional-Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4F or 4J.</li> <li>6A. Steel Framing Members (Not Shown)* — As an alternate to Item 6, furring channels and resilient sound isolation clip as described below:         <ul> <li>a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an</li> </ul> </li> </ul>	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263         fitted into clips.         STUDCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237R         7. Wall and Partition Facings and Accessories* - (Optional, Not shown) - Nominal 1/2 in. thick, 4 f         panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of I Classified Gypsum Board.         SERIOUS ENERGY INC - Type QuietRock QR-510.         8. Mineral and Fiber Board* - (Optional, Not shown) - For optional use as an additional layer on one of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to stu and floor and celling runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC and 24 in. OC ald
B3 hels d raming . OC in the 5/8 in. n. long, n. long, ind	XUV.U465 - Fire Resistance Ratings - ANSI/UL 263         UNITED STATES GYPSUM CO - Type ULX         USG MEXICO S A DE C V - Type ULX         4L. Gypsum Board* - (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".         RADIATION PROTECTION PRODUCTS INC - Type RPP - Lead Lined Drywall         4M. Gypsum Board* - (For use with Item 8) - 5/8 in. thick, 4 ft wide, applied vertically over Mineral and	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263         USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR         5. Joint Tape and Compound — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, not screw heads: joint compound may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.         6. Resilient Channel – (Optional-Not Shown) – 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4F or 4J.         6. Steel Framing Members (Not Shown)* — As an alternate to Item 6, furring channels and resilient sound isolation clip as described below:         a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are verlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel.	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263         fitted into clips.         STUDCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237R         7. Wall and Partition Facings and Accessories* - (Optional, Not shown) - Nominal 1/2 in. thick, 4 f         panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL classified gypsum board, therequired UL classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of U Classified Gypsum Board.         SERIOUS ENERGY INC - Type QuietRock QR-510.         8. Mineral and Fiber Board* - (Optional, Not shown) - For optional use as an additional layer on one of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to stu and floor and ceiling runners with 1-5/8 in. long Type S steel screws, space 12 in. OC and 24 in. OC alou intermediate framing. The required UL Classified gypsum board layer (Item 4M) is to be installed over the Mineral and Fiber Boards. Batts and Blankets, Item 3D, and Adhesive, Item 11, are required.         9. Lead Batten Strips - (Not Shown, For Use With Item 4E) - Lead batten strips, min 1-1/2 in. wide, mr ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip
B3 Hels d raming OC in the 5/8 in. h. long, he or both sum nd b. long hly, 5/8 in. s spaced	XUV.U465 - Fire Resistance Ratings - ANSI/UL 263         UNITED STATES GYPSUM CO – Type ULX         USG MEXICO S A DE C V – Type ULX         4L. Gypsum Board* – (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".         RADIATION PROTECTION PRODUCTS INC – Type RPP - Lead Lined Drywall	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263         USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR         S. Joint Tape and Compound — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.         6. Resilient Channel — (Optional-Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4F or 4J.         6.A. Steel Framing Members (Not Shown)* — As an alternate to Item 6, furring channels and resilient sound isolation clip as described below:         a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and secure to studs as a described in Item b. Ends of adjoining channels may be overlapped 6 in. and secure to studs as described in Item b. Ends of adjoining channels may be overlapped 6 in. and secure to studs as described in Item b. Ends of adjoining channels may be overlapped 6 in. and secure to stude set with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secure to stude set with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flage of the channel.         b. Framing Members* —	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263         fitted into clips.         STUDCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237R         7. Wall and Partition Facings and Accessories* - (Optional, Not shown) - Nominal 1/2 in. thick, 4 f panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to t installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of i Classified Gypsum Board.         SERIOUS ENERGY INC - Type QuietRock QR-510.         8. Mineral and Fiber Board* - (Optional, Not shown) - For optional use as an additional layer on one of wall. Nom 1/2 in. thick, 4 f wide with long dimension parallel and centered over studs. Attached to stu and floor and ceiling runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC and 24 in. OC al o the mediate framing. The required UL Classified gypsum board layer (Item 4M) is to be installed over th Mineral and Fiber Boards. Batts and Blankets, Item 3D, and Adhesive, Item 11, are required.         9. Lead Batten Strips - (Not Shown, For Use With Item 4E) - Lead batten strips, min 1-1/2 in. wide, m f long with a max thickness of 0.122 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, sone at the top of the strip one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specifice QQ-L-201f, Grade "C". Lead batten strips t
els d aming OC in the /8 in. h. long, he or both sum nd . long	XUV.U465 - Fire Resistance Ratings - ANSI/UL 263         UNITED STATES GYPSUM CO – Type ULX         USG MEXICO S A DE C V – Type ULX         4L. Gypsum Board* – (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2(2). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type 5-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and opticnal at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type 5-12 pan head steel screws, one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification Qe-L-201f, Grade "C".         RADIATION PROTECTION PRODUCTS INC - Type RPP - Lead Lined Drywall         4M. Gypsum Board* - (For use with Item 8) - 5/8 in. thick, 4 ft wide, applied vertical joint and fiber boards (with 1-1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 8). Secured to outermost studs and floor and ceiling runners with 2 in. long Type S screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and joint	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263         USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR         5. Joint Tape and Compound — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.         6. Resilient Channel — (Optional-Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4F or 4J.         6. Steel Framing Members (Not Shown)* — As an alternate to Item 6, furring channels and resilient sound isolation clip as described below:         a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with duole strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel.         b. Framing Members* — Used to attach furring channels are friction flote, inc. Of the overlap. As an atter are fortion fitted into Olips.	<ul> <li>BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263</li> <li>fitted into clips.</li> <li>STUDCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237R</li> <li>7. Wall and Partition Facings and Accessories* - (Optional, Not shown) - Nominal 1/2 in. thick, 4 f pacels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to the installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of I Classified Gypsum Board.</li> <li>SERIOUS ENERGY INC - Type QuietRock QR-510.</li> <li>8. Mineral and Fiber Board* - (Optional, Not shown) - For optional use as an additional layer on one of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to stuand floor and ceiling runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC and 24 in . OC and 04 in . OC and 24 in . OC ald UC classified gypsum board layer (Item 4M) is to be installed over the Mineral and Fiber Boards. Batts and Blankets, Item 3D, and Adhesive, Item 11, are required.</li> <li>9. Lead Batten Strips - (Not Shown, For Use With Item 4E) - Lead batten strips, min 1-1/2 in. wide, m ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the strip. Lead batten strips required behind vertical joints.</li> <li>9. Lead Batten Strips - (Not Shown, for use with Item 4) Lead batten strips, 2 in. wide, max 10 ft in with a max thickness of 0.140 in. Strips placed on the face of studs and attached from the strip one at the bottom of the strip. Lead batten strips required behind vertical joints.</li> <li>9. Lead Batt</li></ul>
els d aming OC in the /8 in. h. long, he or both sum nd . long	<ul> <li>KUV.U465 - Fire Resistance Ratings - ANSI/UL 263</li> <li>UNITED STATES GYPSUM CO – Type ULX</li> <li>USG MEXICO S A DE C V – Type ULX</li> <li>4L. Gypsum Board* – (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 s tud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypcus B in CC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips required behind vertical joints of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick lead batten strips required to the strup Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and head steel screws, one at the top of the strip Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and his sto have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".</li> <li>RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall</li> <li>4M. Gypsum Board* — (For use with Item 8) - 5/8 in. thick, 4 ft wide, applied vertical joint and fiber boards (Item 8) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards (Item 8) with vertical joints in .OC along deges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 8). Secured to outermost studs and floor and ceiling runners with 2 in. long Type S Screw spaced 8 in. OC along deges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 8). Secured to outermost studs</li></ul>	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263         USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR         5. Joint Tape and Compound — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.         6. Resilient Channel — (Optional-Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type 5-12 pan head steel screws. May not be used with Item 4F or 4J.         6. Steel Framing Members (Not Shown)* — As an alternate to Item 6, furring channels and resilient sound isolation clip as described below:         a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and ited together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel.         b. Framing Members* — Used to attach furring channels (Item a) to studs (Item 2). Clips spaced 48 in. OC., and secured to studs with 1-5/8 in. wafer or hex head Type S steel screw through the center grommet. Furring channels. RSIC-1 (2.75) clip for use with 2-2/3/32 in. wide furring channels.	<ul> <li>BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263</li> <li>fitted into clips.</li> <li>STUDCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237R</li> <li>7. Wall and Partition Facings and Accessories* - (Optional, Not shown) - Nominal 1/2 in. thick, 4 f panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to to installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of I Classified Gypsum Board.</li> <li>SERIOUS ENERGY INC - Type QuietRock QR-510.</li> <li>8. Mineral and Fiber Board* - (Optional, Not shown) - For optional use as an additional layer on one of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to studing runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC and 24 in. OC aloo intermediate framing. The required UL Classified gypsum board layer (Item 44)) is to be installed over the Mineral and Fiber Boards. Batts and Blankets, Item 3D, and Adhesive, Item 11, are required.</li> <li>9. Lead Batten Strips - (Not Shown, For Use With Item 4E) - Lead batten strips, min 1-1/2 in. wide, mat for got the strip. Lead batten strips required behind vertical joints of lead backed gypsum board (It 4E) and optional at remaining stud locations. Required behind vertical joints of clas backed gypsum board (It 4E) and optional at remaining stud locations. Required behind vertical joints of the backed to the strip to any strips placed on the face of studs and attached to the stwith with a max thickness of 0.126 in. Strips placed on the face of studs and attached to the stwith with a max thickness of 0.126 in. Strips placed on the face of st</li></ul>
els I aming OC in the /8 in. I. long, I. long, Ily, 5/8 in. s spaced	<ul> <li>XUV.U465 - Fire Resistance Ratings - ANSI/UL 263</li> <li>UNITED STATES GYPSUM CO – Type ULX</li> <li>USG MEXICO S A DE C V – Type ULX</li> <li>4L. Gypsum Board* – (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite isdes of studs. Wallboard secured to studs with 1-1/4 in. Jong Type 5-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallow and tatached to the stud with construction adhesive and two 1. In. Jong Type 5-12 steel screws, one at the top of the strip, and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".</li> <li>KADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall</li> <li>4M. Gypsum Board* — (For use with Item 8) - 5/8 in. thick, 4 ft wide, applied vertical joints of or and celling runners with 1 '1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joints of or and celling runners with 2 in. Jong Type S screws spaced 8 in. OC along edges of each vertical joints of or and celling runners with 2 in. Jong Type S screws spaced 8 in. OC along edges of each vertical joints of or and celling runners with 2 in. Jong Type S screws spaced 8 in. OC along edges of each vertical joints of or and celling runners with 2 in. Jong Type S screws spaced 8 in. OC along edges of each vertical joints door and celling runners with 2 in. Jong Type S screws spaced 8 in. OC along edges of each vertical joint or and celling runners with 2 in. Jong Type S screws spaced 8</li></ul>	<ul> <li>BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263</li> <li>USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR</li> <li>S. Joint Tape and Compound — Vinyl, dry or premixed joint compound, applied in two coats to joints and srcrew heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum weneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.</li> <li>Resilient Channel — (Optional-Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4 for 4.</li> <li>A. Steel Framing Members (Not Shown)* — As an alternate to Item 6, furring channels and resilient sound isolation clip as described below:</li> <li>B. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as a described in leno b. Ends of adjoining channels are overlapped 6 in. and tied together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap. As an atternate, ends of adjoining channels may be overlapped 6 in. and the overlap. Sister a stude steel screw through the centre grommet. Furring channels are friction fitted into clips. SISC-1 clip for use with 2-9/16 in, wide furring channels. RSIC-1 (2.75) clip for use with 2-3/32 in. wide furring channels.</li> <li>PAC INTERNATIONAL INC — Types RSIC-1, RSIC-1 (2.75).</li> <li>68. Framing Members* — Optional - Not Shown - Used as an alternate method to attach resilient channels fittem 6). Clips attached at each intersection of the resilient channel and the steel study (Item 2). Resilient channels are friction fitted into clips.</li> </ul>	<ul> <li>BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263</li> <li>Fitted into clips.</li> <li>STUDCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237R</li> <li>A Wall and Partition Facings and Accessories* - (Optional, Not shown) - Nominal 1/2 in. thick, 4 f panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to b installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of U Classified Gypsum Board.</li> <li>SERIOUS ENERGY INC - Type QuietRock QR-510.</li> <li>8. Mineral and Fiber Board* - (Optional, Not shown) - For optional use as an additional layer on one of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to studineral and Fiber Boards. Batts and Blankets, Item 3D, and Adhesive, Item 11, are required.</li> <li>9. Lead Batten Strips - (Not Shown, For Use With Item 4E) - Lead batten strips, min 1-1/2 in. wide, m f long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. Iong Type S-12 pan head steel screws, one at the top of the strip or at the bottom of the strip. Lead batten strips to have a purity of 9.9% meeting the Federal specific.</li> <li>9. Lead Batten Strips - (Not Shown, for use with Item 41) Lead batten strips, 2 in. wide, max 10 ft lo with a max thickness of 0.140 in. Strips placed on the interior face of studs and attached from the strip or at the bottom of the strip. Lead batten strips to have a purity of 9.9% meeting the Federal specification Q0-L-201f, Grade ST . Lead Batten Strips S - (Not Shown, for use with Item 43) Lead batten strips, 2 i</li></ul>
B2 Hels d aming OC in the b/8 in. h. long, he or both sum nd . long hly, 5/8 in. s spaced taggered	<ul> <li>KUV.U465 - Fire Resistance Ratings - ANSI/UL 263</li> <li>UNITED STATES GYPSUM CO – Type ULX</li> <li>USG MEXICO S A DE C V – Type ULX</li> <li>4L. Gypsum Board* – (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 s tud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypcus B in CC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips required behind vertical joints of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick lead batten strips required to the strup Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and head steel screws, one at the top of the strip Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and his sto have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".</li> <li>RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall</li> <li>4M. Gypsum Board* — (For use with Item 8) - 5/8 in. thick, 4 ft wide, applied vertical joint and fiber boards (Item 8) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards (Item 8) with vertical joints in .OC along deges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 8). Secured to outermost studs and floor and ceiling runners with 2 in. long Type S Screw spaced 8 in. OC along deges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 8). Secured to outermost studs</li></ul>	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263         USG MEXICO S A DE C Y - Types C, IP-X2, IPC-AR         5. Joint Tape and Compound - Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.         6. Resilient Channel - (Optional-Not Shown) - 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, fange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws.         8. Astel Framing Members (Not Shown)* - As an alternate to Item 6, furring channels and resilient sound isolation clip as described below:         9. 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to stude as engioning channels are overlapped 6 in. and tied together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw to each flame of the channel.         9. Framing Members* - Used to attach furring channels (Item a) to studs (Item 2). Clips spaced 48 in. OC, and secured to studes with 1-5/9 in. wafer or hex head Type 5 studes at 2:3/32 in. wide furring channels.         9. Framing Members* - Optional - Not Shown - Used as an alternate method to attach resilient channels furring channels are finction.         9. Framing Members* - Optional - Not Shown - Used as an alternate method to attach resilient channels form 63, Clips attached at each intersection of the resilient channel fange.         9. CINTERN	<ul> <li>BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263</li> <li>Itted into clips.</li> <li>STUDCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237R</li> <li><b>1. Wall and Partition Facings and Accessories*</b> - (Optional, Not shown) - Nominal 1/2 in. thick, 4 fi panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-310 panel is installed Detween the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to binstalled as indicated as to fractener type and spacing, except that the required lastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of U Classified Gypsum Board.</li> <li>SERIOUS ENERGY INC - Type QuietRock QR-510.</li> <li><b>8. Mineral and Fiber Board*</b> - (Optional, Not shown) - For optional use as an additional layer on one of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to stu and floor and ceiling runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC and 24 in. OC alor intermediate framing. The required UL Classified gypsum board layer (Item 4M) is to be installed over the Mineral and Fiber Boards. For Nown, For Use With Item 4E) - Lead batten strips, min 1-1/2 in. wide, mit the required a termaing stud locations. Required behind vertical joints.</li> <li><b>9. Lead Batten Strips</b> - (Not Shown, for use with Item 4E) - Lead batten strips, min 1-1/2 in. wide, mit in long mit, Type S-8 pan head steel screws, one at the bottom of the strip, Lead batten strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type 5-12 pan head steel screws, one at the bottom of the strip. Lead batten strips contex a purity of 99.9% meeting the Federal specification QQ-1-201f, Grade "C". Lead batten strips placed on the face of studs and attached from the exter</li></ul>
B3 rels d aming OC in the i/8 in. h. long, he or both sum nd long hly, 5/8 in. s spaced taggered lominal	<pre>YUV.U463 - Fire Resistance Ratings - ANSI/UL 263</pre> UIXTED STATES GYPSUM C0 - Type ULX USG MEXICO S A DE C Y - Type ULX 4. Sypsum Board* - (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C). Nom 5/8 in. thick lead backed gypsum panels steel sides of studs. Wallboard secured to studs with 1-1/4 in. long Type 5-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum panel steel studs. Wallboard scured to studs with 1-1/4 in. long Type 5-12 steel screws one at the top of the strip. man 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type 5-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in diam by max 0.068 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meting the Federal specification QQ-1-201f, Grade "C". HM. Sypsum Board* - (For use with Item 8) - 5/8 in. thick, 4 ft wide, applied vertically over Mineral and fiber Board (Item 8) with vertical joints located anywhere over stud cavites. Secured to mineral and fiber boards with 1-1/2 in. Type G Screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and joint compound. Screw heads covered with joint compound. MERICAN GYPSUM CO - Type KPC, Type C CERTAINTEED GYPSUM INC - Type FRPC, Type C CERTAINTEED GYPSUM INC - Type FRPC, Type C CERTAINTEED GYPSUM CANADA INC - Type RP	BUUV.U465 - Fire Resistance Ratings - ANSUUL 243         USG MEXICO S A DE C V - Types C, IP-X2, IPC-AR         5. Joint Tape and Compound Vinvi, dry or premixed joint compound, applied in two coats to joints and sorrew heads; paper tape, 21, n. wide, embedded in first layer of compound over all joints. Sa an alternate, non sorrew heads; paper tape, 21, n. wide, embedded in first layer of compound over all joints. Sa an alternate, non base makes of the sorrew heads; paper tape, 21, n. wide, embedded in first layer of compound over all joints. Sa an alternate, non the used with wide your may be omitted when gypsum boards are supplied to the entire surface of Classified veneer supplied with square edges.         6. Resilient Channel - (Optional-Not Shown) - 25 MSG galv steel resilient channels spaced vertically max 24 in. 0. C, finange portion attached to each intersecting stud with 1/2 in. long types 5-12 pan head steel screws. May not be used with a descrebed below:         6. Steel Framing Members (Not Shown) - 25 MSG galv steel - resilient channels and resilient sound isolation clip as described below:         8. Furning Channels - Formad of No. 25 MSG galv steel 20;161, nor -2-23/32 in. wide first have on each finange of the channel.         9. Furning Channels - Formad of No. 25 MSG galv steel 20;101, nor allow the sound solation clip as described below:         9. Furning Channels - Formad of No. 25 MSG galv steel 20;101, no a stude together with two self-tapping No. 60; no 18 SWG galv steel vere near each end of overlap. As an alternate, ends of adjoining channels are buint of an actured to stude set is serve through the center grommer. Furning channels: A mice is a stude to the vereign.         9. Furning Members <sup>*</sup> - Optional - Not Shown - Used as an altern	<ul> <li>BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263</li> <li>BTUDCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237R</li> <li><b>3. Wall and Partition Facings and Accessories*</b> - (Optional, Not shown) - Nominal 1/2 in. thick, 4 ft parels, for optional uses as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required L.Classified gypsum board layer(s) [Si/are to binstalled as indicated as to fastener type and spacing, except that the required L.Classified Gypsum Board.</li> <li><b>SERTOUS ENERGY INC</b> - Type QuietRock QR-510.</li> <li><b>8. Mineral and Fiber Board*</b> - (Optional, Not shown) - For optional use as an additional layer on one of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to stu and floor and celling runners with 1-5/8 in. [Ong Type 5 steel screws, spaced 12 in. OC and 24 in. OC and</li></ul>
B3 rels d aming OC in the i/8 in. 1. long, he or both sum nd . long hy, 5/8 in. s spaced taggered lominal y, 5/8 in. s spaced	<pre>VUV.U495 - Fire Resistance Ratings - ANSI/UL 243</pre> UIV.U495 - Fire Resistance Ratings - ANSI/UL 243 UIV.U495 - Fire Resistance	<ul> <li>BUVU465 - Fire Resistance Ratings - ANSI/UL 263</li> <li>USG MEXICO S A DE C V - Types C, IP-X2, IPC-AR</li> <li>Soint Tape and Compound Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in, wide, embedded in first layer of compound over all joints. As an alternate, nominal 3721. https://dx.gosum.wener.plaster may be applied to the entre surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.</li> <li>Resilient Channel - (Optional-Not Shown) - 25 MSG galv steel resilient channels spaced vertically max 24 May not be used with titem 4F or 43.</li> <li>Reself Framing Members (Not Shown) - 25 MSG galv steel - 2-9/16 in. Joing type 5-12 pan head steel screws. May not be used with 12 m. does, paaced 24 in. OC perpendicular to studk. Channels secure to tstuds as described in ltem b. Ends of a algoining channels are overlapped 61 m. and tied together with double strand of No. 18 SWG galv steel - 2-9/16 in. Not Galv steel J. Secure 10 to stude steel screws. In 3. Not deus secure 10 m to 1. BSWG galv steel - 2-9/16 in. Note As an and tied together with double strand of No. 18 SWG galv steel and of overlap. As an with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with obself and form Dir. Secure 20 metal hand to exteel As an with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, Star 4 Mov 2-9/16 in. Wide Urring channels (Item a) to studk (Item 2). Gais speed also the present out - 2/3/32 in. wide to most 2/3/32 in. wide to mit be add Types SIG-1 (2/5) (in for use with 2-3/32 in. wide to present out - Furring II - 1.5% in. wide to the the add the secure of the two self-tapping No. 6 framing screws exceed to the secure of the two self and the date and the steel strew in the add Types SIG-1 (2/5) (in for use with 2-3/32 in. wide to the two self and the date and the</li></ul>	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263         Integ in Resistance Ratings - ANSI/UL 263         Resistance Ratings - ANSI/UL 263         STUDCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237R         1. Wall and Partition Facings and Accessories* - (Optional, Not shown) - Nominal 1/2 in. thick, 4 ft panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL Classified gynum board, the required UL Classified gynum board.         SERIOUS ENERGY INC - Type QuietRock QR-510.         8. Mineral and Fiber Board* - (Optional, Not shown) - For optional use as an additional layer on one of fully in Nom 1/2 in Nok 4, 4 ft wide with long dimension panelle and cattered over studs. Attached to studing the required late framing. The required UL Classified gynum board the required layer (100 M M) is to be installed over the Mineral and Fiber Boards. Batts and Blankets, Item 3D, and Adhesive, Item 11, are required.         9. Lead Batten Strips - (Not Shown, For Use With Item 4E) - Lead batten strips, min 1-1/2 in. wide, m to state bottom of the strip. Lead batten strips of have a purity of 99.9% meeting the Federal specification (2-1201/, Grade 'C'. Lead batten strips 7 in No 99.9% meeting the Federal specification Qu-201/, Grade 'S'. For Shawn, For Use With Item 4D) Lead batten strips, 2 in. wide, max 10 ft to strip specific do the strip. Lead batten strips, 2 in. wide, max 10 ft to strip specific do the strip. Lead batten strips, 2 in. wide, max 10 ft to strip specific do the strip. Lead batten strips, 2 in. Wide, max 10 ft to strip specific do the strip. Lead batten strips is equiride behind vertical joints.
B3 rels d aming OC in the i/8 in. 1. long, he or both sum nd . long hy, 5/8 in. s spaced taggered lominal y, 5/8 in. s spaced	<pre>VUUU46 - Fire Resistance Ratings - ANSI/UL 263</pre> ULUITED STATES GYPSUM CO - Type ULX USG MEXICO S A DE C Y - Type ULX IL Gypsum Board* - (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C). Nom 5/8 in. thick lead backed gypsum panels steel screws spaced 8 in. OC (and vertical) for and steel screws and staggered min 1 stud cavity on opposite sides of a tudu. Wallboard and optional at remaining stud locations. Lead batten strips, min 1, in wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the strip and one at the bottom of the strip. Lead disc, stude batten strips min 2, in wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the strip and one at the bottom of the strip. Lead disc, stude batten strips min 2, in wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the strip and one at the bottom of the strip. Lead disc, stude batten strips min 2, in wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the strip and one at the bottom of the strip. Karde 'T.''. RADIATION PROTECTION PRODUCTS INC - Type RPP - Lead Lined Drywall 44. <b>Cypsum Board*</b> - (For use with Item 8) - 5/8 in. thick, 4 ft wide, applied vertically over Mineral and fiber Board (Item 8). Secured to outermost studs and floer and ceiling runners with 1.10 lin. Type S Screws Spaced 8 in. OC Cange and vertical joints and for and ceiling runners with 1.10 lin. Strew heads covered with joint compound. AGE INC - Types C, IP-X2, IPC-AR GERTINTEED GYPSUM LL C - Type S, DAPC LaFARE NORTH AMERICA INC - Type LGFC-C, LGFC-C/A	BUVU.U465 - Fire Resistance Ratings - AXSI/UL 243         USG MEXICO S A DE C V - Types C, IP-X2, IPC-AR         5. Joint Tape and Compound Vinvi, dry or premixed joint compound, applied in two coats to joints and sorrein heads; paper tage, 21, n. wide, embedded in first layer of compound over all joints. Sea an alternate, non-baseboard. Joints reinforced. Apper tape and joint compound may be omitted when gypsum boards are supplied with square edges.         6. Resilient Channel - (Optional-Not Shown) - 25 MSG galv steel resilient channels spaced vertically max 24 in. 0C, finage portion attached to each intersecting stud with 1/2 in. long type 5-12 pan head steel screws. May not be used with them 47 or 30.         6. Steel Framing Members (Not Shown) - 25 MSG galv steel resilient channels and resilient sound isolation cilip as described below: <ul> <li>Purring Channels - Grand of No. 25 MSG galv steel. 2-32(3): In. wide effective in them b. Ends of adjoining channels are overlapped 5 in. and tied together with two self-tapping No. 10. SW Ggalv steel wire near each end of overlap. As an alternate, ends of adjoining channels are overlapped 5 in. and secured to studs are described in Them b. Ends of adjoining channels are overlapped 6 in. and secured together with two self-tapping No. 60. SI SW Ggalv steel wire neach end of overlap. As an alternate, ends of adjoining channels are overlapped 6 in. and secured together with two self-tapping No. 60. SI SW Ggalv steel wire neach end of overlap. As an alternate, ends of adjoining channels. RSIC-1 (2.75) (10 for use with 2-9/16 in. wide furning channels.         PAC INTERNATIONAL INC - Types RSIC-1, RSIC-1 (2.75).          Ret Bullcinne Reports - Optional - Not Shown - Used as an alternate method to attach resilient channels the serise strough the center bloo</li></ul>	<text><text><text><text><text><list-item><list-item><list-item></list-item></list-item></list-item></text></text></text></text></text>
B3 Hels d araming OC in the 5/8 in. h. long, he or both sum nd h. long hly, 5/8 in. s spaced taggered lominal y, 5/8 in. s spaced taggered he or both sum	<pre>VUUU463 - Fire Resistance Ratings - ANSI/UL 263</pre> UINITED STATES GYPSUM C0 - Type ULX USG MEXICO S A DE C Y - Type ULX 4. Gypsum Board* - (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studis Item 20, Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapened degs, applied vertically Vertical joints cornerd over studis and staggered mining stud icentivo, such staggered mining studi cortivo, such staggered mining studi cortivo, such staggered mining studi cortivo, and backed gypsum willbord and optional at remarked steel screws, one of tubs strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studis and attached to the study with construction adhesive and turo 1 in. long Type 5-12 panel and steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.058 in. thick. Compression filted or adhered over the screw heads. Lead battem strips and discs to have a purity of 99.9%. Compression filted or adhered wort the screw heads. Lead battem strips and discs to have a purity of 99.9% metrical joints forated or ver this crew heads. Lead battem strips and discs to have a purity of 99.9% metrical joints located anywhere over stud cavities. Secured to minine al and filter bards with 1.12 in. Type 6 Strews spaced 8 in. OC along Gypsom Board joints covered with paper tape and joint compound. Screw heads covered with joint compound. Screw heads covered with joint compound. Screw heads covered with joint compound.	DUCU U493 - Fite Resistance Ratings - ANSI/U2 83           JESE MEXICO S A DE C Y - Types C, IP-X2, IPC-X8           Set MEXICO S A DE C Y - Types C, IPC X8           Set MEXICO S A DE C Y - Types C IPC	<text><text><text><text><text><list-item><list-item><list-item><list-item><math><text></text></math></list-item></list-item></list-item></list-item></text></text></text></text></text>
B3 nels id framing i. OC in the 5/8 in. in. long, one or both osum and n. long Nominal ly, 5/8 in. vs spaced staggered ne or both osum and n. long	<pre>VUUU46 - Fire Resistance Rutings - ANSI/UL 28</pre> UITTED STATES GYPSUM C0 - Type ULX USC MEXICO S A DE C Y - Type ULX IS GMEXICO S A DE C Y - Type GMEXICO S IN C C A DEFINED S C J DA THE dE DE SERVEN SUB AND A TAD DE SUB S OF TAB A DE SUB S O	DVU.U49 - Fire Rasimane Ratings - ANSULU 243         JURI - Barris Ratings - Compound - Not Shown) - 25 MSG galv steel resilient channels spaced vertically max for the used with Interestical Studied with 1/2 In. long type 5-12 pan head steel screws.         - Barris Ratings - Ansolute 46 or 4.         - Barris Ratings - Formed of No. 25 MSG galv steel resilient channels spaced vertically max for the used with 2400 bit were for the or 40 or 400-A as an event and the steel	BXUV.1465 - Fire Resistance Ratings - ANSI/UL 263         Inter clips:         STECCE DUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237A         -1. Wall and Partition Facings and Accessories* - (Optional, Not shown) - Nominal 1/2 in. thick, 4 f         panels, for optional use as an additional layer on one or both sides of the assembly, renes attached in necodemic with manufacturer's recommendations. When the QR-510 panels installed between the steel framing and the UL Classified pysum board, the required UL Classified pysum board layer(s) is/are to to installed of Sysum Board.         BKIDUS ENERGY INC - Type QuietRock QR-510.         SERIOUS ENERGY INC - Type QuietRock QR-510.         -1. Man and Fiber Board* - (Optional, Not shown) - for optional use as an additional layer on one or both sides of the installed of the interm of acting runnes with 1-5/8 in long Type S steel screws, space 12 in. O C and intermediate framing. The required UL Classified gysum board layer (Item 44) is to be installed over the Mareia and Fiber Board* - (Optional, Not shown) - for optional use as an additional layer on one or both sides of the strip in the required UL Classified gysum board layer (Item 44) is to be installed over the Mareia and Fiber Board* - (Not Shown, For Use With Tem 45) - Lead batten strips required a specifica (Q) - 2010, Grade 'C'. Lead batten strips - (Not Shown, For Use With Tem 45) - Lead batten strips in 1-1/2 in. wide, max 10 ft (12 4) and optional it methaling studi locations. Required behind vertical pions of lead backed gysum board (Item 47) in optional layer (Item 40) is to head batten strips required layer(10 4) in strips in the strip in the theore of the strip in a not the interior fore of the strip in the theotion of the strip and one at the pot of the strip layer(10 4) ino
	<pre>WUV403 - Fire Resistance Raings - ANSIVL 33</pre> UNITED STATES GYPSUM CD — Type ULX UNITED STATES GYPSUM CD — Type ULX USA MEXICO S A DE CY — TypE ULX U	EXULUAGES - ETRE Resistance Ratings - ANSULT 23           USCULTAGES - ETRE Resistance Ratings - ANSULT 23           USC MEXICO S A DE CV - Types C, 1P-X2, IPC-AR           1. Since Transmission and Compound - Vinyl, dry or premissed joint compound, applied in two casts to joints and prediction and predictio	BUVU495 - Bire Resistance Ratings - ANSULU 263         Bitted into clips:         DICCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A2378

	BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263	
m 1D and aced a max	insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft. <b>NU-WOOL CO INC</b> — Cellulose Insulation	
	3C. <b>Fiber, Sprayed*</b> — As an alternate to Batts and Blankets (Item 3) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft <sup>3</sup> . <b>INTERNATIONAL CELLULOSE CORP</b> — Celbar-RL	
	3D. <b>Batts and Blankets*</b> — For use with Item 8. Nom 3 in. thick, minimum 3.4 pcf mineral wool batts, friction fit between the studs and floor and ceiling runners.	
	See <b>Batts and Blankets</b> (BZJZ) category for names of manufacturers. 4. <b>Gypsum Board*</b> – 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to item 6 (resilient channels) or 6A or 6C (furring channels), gypsum board is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.	
n 1E and ced a max	ACADIA DRYWALL SUPPLIES LTD — Type X AMERICAN GYPSUM CO — Types AG-C, AGX-1, M-Glass	
	<b>BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO</b> — Type DBX-1.	
m 1F, . OC. Studs	CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.	
	CERTAINTEED GYPSUM INC — Types 1, EGRG, GlasRoc, Type X, Type C, SilentFX, 5/8" Easi-Lite Type X.	
Item 1G. sembly	<b>CERTAINTEED GYPSUM CANADA INC</b> — Type C, Type X, Type Abuse-Resistant, 5/8" Easi-Lite Type X.	
	GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6, LS.	
rietary Iv steel.	<b>LAFARGE NORTH AMERICA INC</b> — Types LGFC2, LGFC2A, LGFC6, LGFC6A, LGFC-C, LGFC-C/A, LGFC-WD, LGLLX.	
ctud	NATIONAL GYPSUM CO — Types FSK, FSK-C, FSK-G, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSL.	
stud	PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-C, PG-9, PG-11, PGS-WRS.	
– Spray ance mate	PANEL REY S A — Types GREX, PRX, RHX, MDX, ETX.	
, in '0LD are	SIAM GYPSUM INDUSTRY (SARABURI) CO LTD - Type EX-1	
ellulose	<b>TEMPLE-INLAND</b> — Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, TG-C, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board.	
=1[8/8/2013 8:57:01 A	AM] http://database.ul.com/ANSI/UL+263&objid=1074330743&cfgid=1073741824&version=versionless&parent_id=1073984818&sequence=1[8/8/2013 8:57:01 AM BXUV.U465 - Fire Resistance Ratings - ANSI/UL 263	
	fitted into clips.	
	STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R	
nts and ate, er re	7. <b>Wall and Partition Facings and Accessories*</b> — (Optional, Not shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL	
ly max screws.	Classified Gypsum Board. SERIOUS ENERGY INC — Type QuietRock QR-510.	
e	8. <b>Mineral and Fiber Board* —</b> (Optional, Not shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to studs	
ı	and floor and ceiling runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC and 24 in. OC along all intermediate framing. The required UL Classified gypsum board layer (Item 4M) is to be installed over the Mineral and Fiber Boards. Batts and Blankets, Item 3D, and Adhesive, Item 11, are required.	
	9. Lead Batten Strips — (Not Shown, For Use With Item 4E) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification	
h	QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum board (Item 4E) and optional at remaining stud locations. Required behind vertical joints. 9A. Lead Batten Strips — (Not Shown, for use with Item 4J) Lead batten strips, 2 in. wide, max 10 ft long	
	with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grades "A, B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4)) and optional at remaining stud	
nannels lient 5-12 pan	locations. 10. Lead Discs or Tabs — (Not Shown, For Use With Item 4E) - Used in lieu of or in addition to the lead batten strips (Item 8) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead	
n 6 <i>,</i>	tabs placed on gypsum boards (Item 4E) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". 10A. Lead Discs — (Not Shown, for use with Item 4J) Max 5/16 in. diam by max 0.140 in. thick lead discs	
р, 1	compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.9% meeting the Federal Specification QQ-L-201f, Grades "A, B, C or D". 11. <b>Adhesive</b> — Not Shown - (For use with Item 8) - Construction grade adhesive applied in vertical,	
	serpentine, nominal 3/8 in. wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 8). *Bearing the UL Classification Mark	
5	Last Updated on 2013-06-07	
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## **PROJECT INFORMATION**

LEE'S SUMMIT LOGISTICS BUILDING C LOT 3

> X CORNER OF NE TUDOR RD & MAIN ST LEE'S SUMMIT, MO 64086

ISSUE DATES PERMIT SET 09.16.22

220019

RATED WALL INFORMATION

