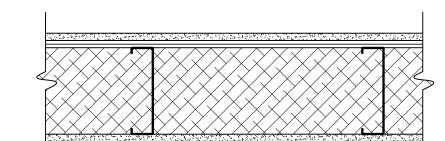
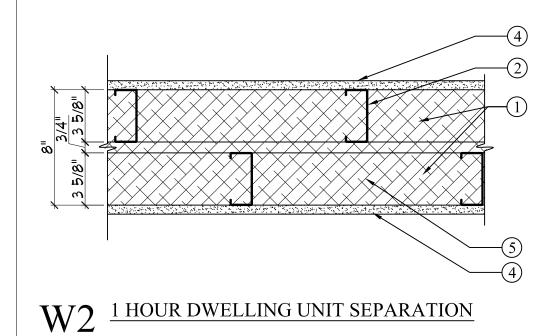
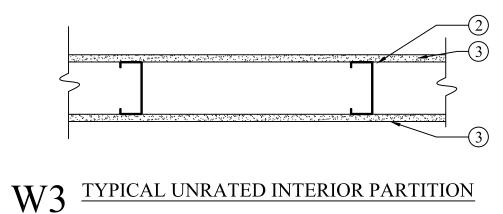
WALL TYPES



TX 7 1 1 HOUR NEW CORRIDOR WALL





W1 NEW CORRIDOR WALL ASSEMBLY -1 HOUR (1/2 HOUR REQ'D)
UL Design U451 - 1 HOUR FIRE - 54 STC SOUND

Sound Test: RAL TL83-216, 47 MTC

- **Studs --** Channel-shaped, 6 in. 22 guage galvanized steel studs. Max stud spacing 24 in. OC. Studs to be cut 1 in. less than assembly height.
- **2. Floor and Ceiling Runners (Not Shown) --** Channel-shaped runners, 6 in. wide by 1-1/4 in. deep, fabricated from No. 22 MSG galv steel. Attached to floor and ceiling with fasteners, 24 in. OC, max.
- 3. Resilient Channel -- 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.
- 4. Fiber, Sprayed -- 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. Nominal dry density of 3.0 lb/ft3. Alternate application method: The fiber is applied with U.S. Greenfiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft3.
- 5. Gypsum Board -- 5/8 in. thick, 4 ft wide. Screw attached one side to resilient channels with 1 in. long, Type S steel screws spaced 12 in. OC. Wallboard on direct attached side secured to studs with 1 in. long Type S-12 steel screws spaced 12 in. Wallboard joints oriented vertically, located over studs.
- **6. Joint Tape and Compound --** Vinyl, dry or premixed joint compound, applied to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. Joints reinforced.
- 7. Caulking and Sealants -- (Not shown) -- A bead of acoustical sealant applied around the partition perimeter for sound control.

W2 1 HOUR WALL ASSEMBLY - 60-64 STC

DESIGN NUMBER U.L. U493 (G.A. File WP5006 PROPRIETARY 1 HOUR FIRE) STC RATING - 60-64 Sound Test: USG STC-050817, 8-11-05 Fire Test: UL R1319, 96NK31548, 10-21-96 UL Design U493

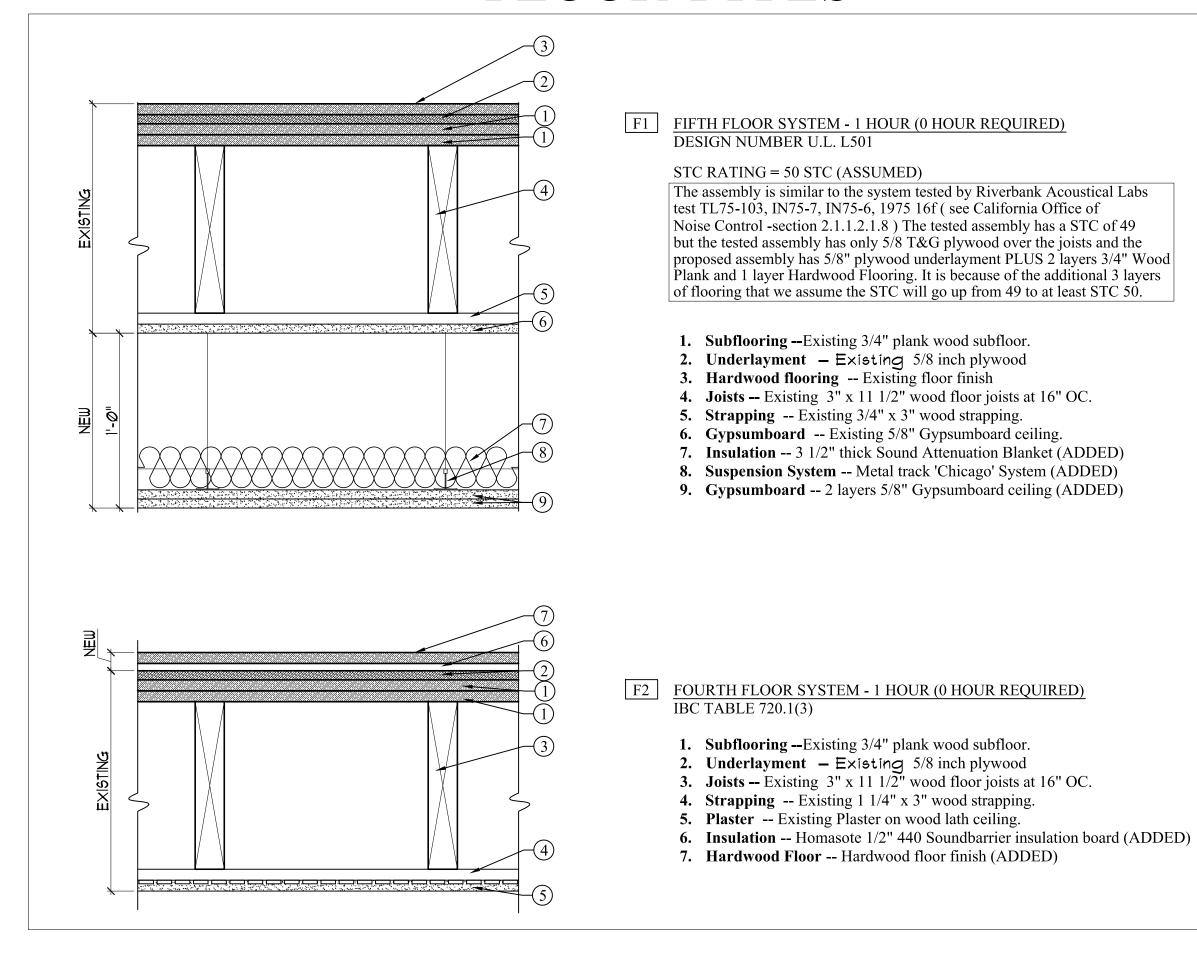
- 1. Floor and Ceiling Runners Channel shaped, attached to floor and ceiling in two rows, a min 3/4 in. apart, with steel fasteners spaced 24 in. OC. Runners fabricated from min No. 22 MSG galv steel, 1-1/4 in. deep and 3-5/8 in. wide.
- 2. Steel Studs Channel shaped, supplied with cutouts, friction -fitted into floor and ceiling runners and spaced a max 24 in. OC. Studs cut 1/2 in. less than assembly height and evenly staggered between the two rows of floor and ceiling runners. Studs fabricated from min No. 22 MSG galv steel, min 3-5/8 in. wide by 1-5/8 in. deep with 3/8 in. folded back return flange legs.
- 3. Lateral Bracing (Not shown) Right angle- shaped, supplied with notches spaced 12, 16, or 24 in. OC., friction-fitted to the cutouts in steel studs, supplied in 7/8 in. by 7/8 in. by 50 in. lengths. Lateral bracing bars fabricated from min. 20 MSG galvanized steel. The bracing shall meet the 1996 Edition of the American Iron and Steel Institute (AISI) "Specification for the Design of Cold-Formed Steel Structural Members.
- 4. Gypsum Board Nom 5/8 in. thick, 4 ft. wide, gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Single layer installed on each side of the steel studs. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints need not be backed by framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally.

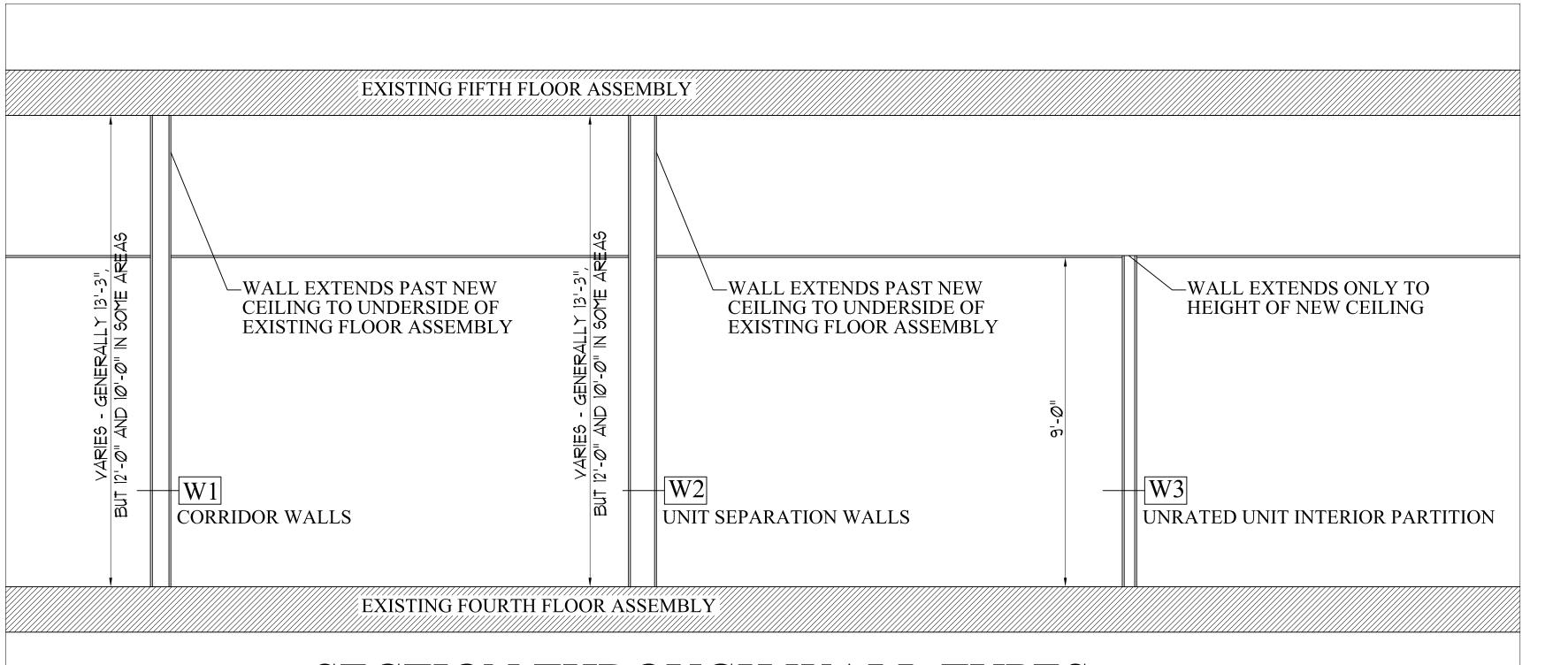
 United States Gypsum Company 5/8" SHEETROCK® Brand FIRECODE® Core
- 5. **Fiber, Sprayed --** (ADDED) Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft3. Alternate application method: The fiber is applied with U.S. Greenfiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft3.
- 6. **Joint Tape and Compound** (Not Shown) Outer layer joints covered with joint compound and paper or mesh tape. Screw heads covered with joint compound. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.
- 7. **Mesh Netting** (Not shown) Any thin, woven or non-woven fibrous netting material attached with staples to the outer face of one row of studs to facilitate the installation of the sprayed fiber from the opposite row.

W3 UNRATED PARTITION WALL ASSEMBLY

- 1. Floor and Ceiling Runners Channel shaped, attached to floor and ceiling in two rows, a min 1 in. apart, with steel fasteners spaced 24 in. OC. Runners fabricated from min No. 25 MSG galv steel, 1-1/4 in. deep and 3-5/8 in. wide.
- 2. Steel Studs Channel shaped, supplied with cutouts, friction -fitted into floor and ceiling runners and spaced a max 24 in. OC. Studs cut 1/2 in. less than assembly height and evenly staggered between the two rows of floor and ceiling runners. Studs fabricated from min No. 25 MSG galv steel, min 3-5/8 in. wide by 1-5/8 in. deep with 3/8 in. folded back return flange legs.
- **3. Gypsum Board --** 5/8 in. thick, 4 ft wide, attached to wood studs with 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 48 in. OC.
- **4. 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.

FLOOR TYPES





SECTION THROUGH WALL TYPES

A3

FLOOR 7

DING