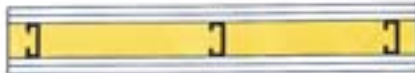


# Fire Rated Wall Assemblies



**Rating: 2 hour non-bearing (U 419)**  
 Double layer 1/2" Type X gypsum board  
 2 1/2" steel studs on 24" centers  
 2 1/2" Certainteed fiber glass insulation



**Rating: 2 hour non-bearing (U 411)**  
 Double layer 5/8" Type X gypsum board  
 Min. 2 1/2" steel studs on 24" centers  
 2 1/2" Certainteed fiber glass insulation



**Rating: 1 hour non-bearing (U 419)**  
 Single layer 5/8" Type X gypsum board  
 Min. 3 1/2" steel studs on 24" centers  
 3 1/2" Certainteed fiber glass insulation



**Rating: 2 hour non-bearing (U 419)**  
 Double layer 1/2" Type X gypsum board  
 3 5/8" steel studs on 24" centers  
 3 1/2" Certainteed fiber glass insulation



**Rating: 1 hour non-bearing (U 465 or U 419)**  
 Single layer 5/8" Type X gypsum board  
 3 5/8" steel studs on 24" centers  
 3 1/2" Certainteed fiber glass insulation



**Rating: 1 hour non-bearing (U 465)**  
 Single layer 5/8" Type X gypsum board  
 3 5/8" steel studs on 24" centers  
 3 1/2" Certainteed fiber glass insulation



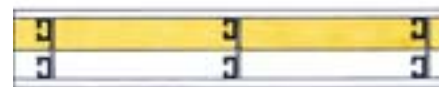
**Rating: 1 hour non-bearing (U 419)**  
 Single layer 5/8" Type X gypsum board  
 Min. 3 1/2" steel studs on 24" centers  
 3 1/2" Certainteed fiber glass insulation



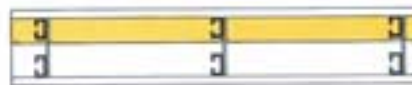
**Rating: 2 hour non-bearing (U 411 or U 419)**  
 Double layer 5/8" Type X gypsum board  
 3 5/8" steel studs on 24" centers  
 3 1/2" Certainteed fiber glass insulation



**Rating: 2 hour non-bearing (U 436)**  
 Chase wall: Double layer 5/8" Type X gypsum board  
 1 5/8" steel studs on 24" centers  
 Certainteed fiber glass insulation to fill cavity



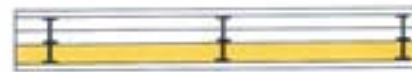
**Rating: 1 hour non-bearing (U 420)**  
 Chase wall: Single layer 5/8" Type X gypsum board  
 1 5/8" steel studs on 24" centers  
 3 1/2" Certainteed fiber glass insulation



**Rating: 2 hour non-bearing (U 420)**  
 Chase wall: Double layer 5/8" Type X gypsum board  
 1 5/8" steel studs on 24" centers  
 2 1/2" Certainteed fiber glass insulation



**Rating: 2 hour non-bearing (U 497)**  
 Shaft wall: Single layer 1" Type FSW gypsum board  
 one side, Double layer 1/2" Type FSW-G gypsum board  
 other side  
 2 1/2" steel I studs on 24" centers  
 1 1/2" Certainteed Partition insulation



**Rating: 2 hour non-bearing (U 498)**  
 Shaft wall: Double layer (1" Type X + 1/2" Type FSW)  
 gypsum board on one side, Single layer 1/2"  
 Type FSW-G gypsum board on other side  
 2 1/2" steel I studs on 24" centers  
 1 1/2" Certainteed Partition insulation



**Rating: 1 hour non-bearing (U 499)**  
 Shaft wall: Single layer 1" Type FSW gypsum board on  
 one side, single layer 5/8" Type FSW gypsum board on  
 other side  
 2 1/2" steel I studs on 24" centers  
 1 1/2" Certainteed Partition insulation



**Rating: 1 hour non-bearing (U 465 or U 419)**  
 Single layer 5/8" Type X gypsum board on each side  
 6" steel studs on 24" centers  
 6 1/4" Certainteed fiber glass insulation



**Rating: 2 hour non-bearing (U 419)**  
 Double layer 5/8" Type X gypsum board on each side  
 6" steel studs on 24" centers  
 6 1/4" Certainteed fiber glass insulation



**Rating: 3/4 hour bearing (U 317)**  
 Single layer 1/2" Type X gypsum board on each side  
 2" x 4" wood studs on 16" centers  
 3 1/2" Certainteed fiber glass insulation



**Rating: 1 hour bearing (U 305)**  
 Single layer 5/8" Type X gypsum board on each side  
 2" x 4" wood studs on 16" centers  
 3 1/2" Certainteed fiber glass insulation



**Rating: 1 hour bearing (U 341)**  
 Single layer 5/8" Type X gypsum board on each side  
 2" x 4" double wood studs on 24" centers  
 2 layers 3 1/2" Certainteed fiber glass insulation

**NOTE:**  
 Drawings for illustration purposes only. Refer to  
 Underwriters Laboratories Fire Resistance Directory  
 for assembly details and other options.