

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. 3 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



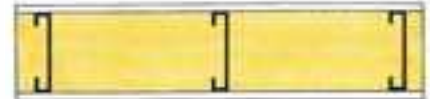
Rating: 2 hour non-bearing (U 497)
Shaft wall: Single layer 1" Type FSW gypsum board
one side, Double layer 1/2" Type FSW-G gypsum board
other side
2 1/2" steel I studs on 24" centers
1 1/2" Certainteed Partition insulation



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



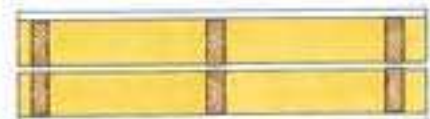
Rating: 2 hour non-bearing (U 419)
Double layer 5/8" Type X gypsum board on each side
6" steel studs on 24" centers
6 1/4" Certainteed fiber glass insulation



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.