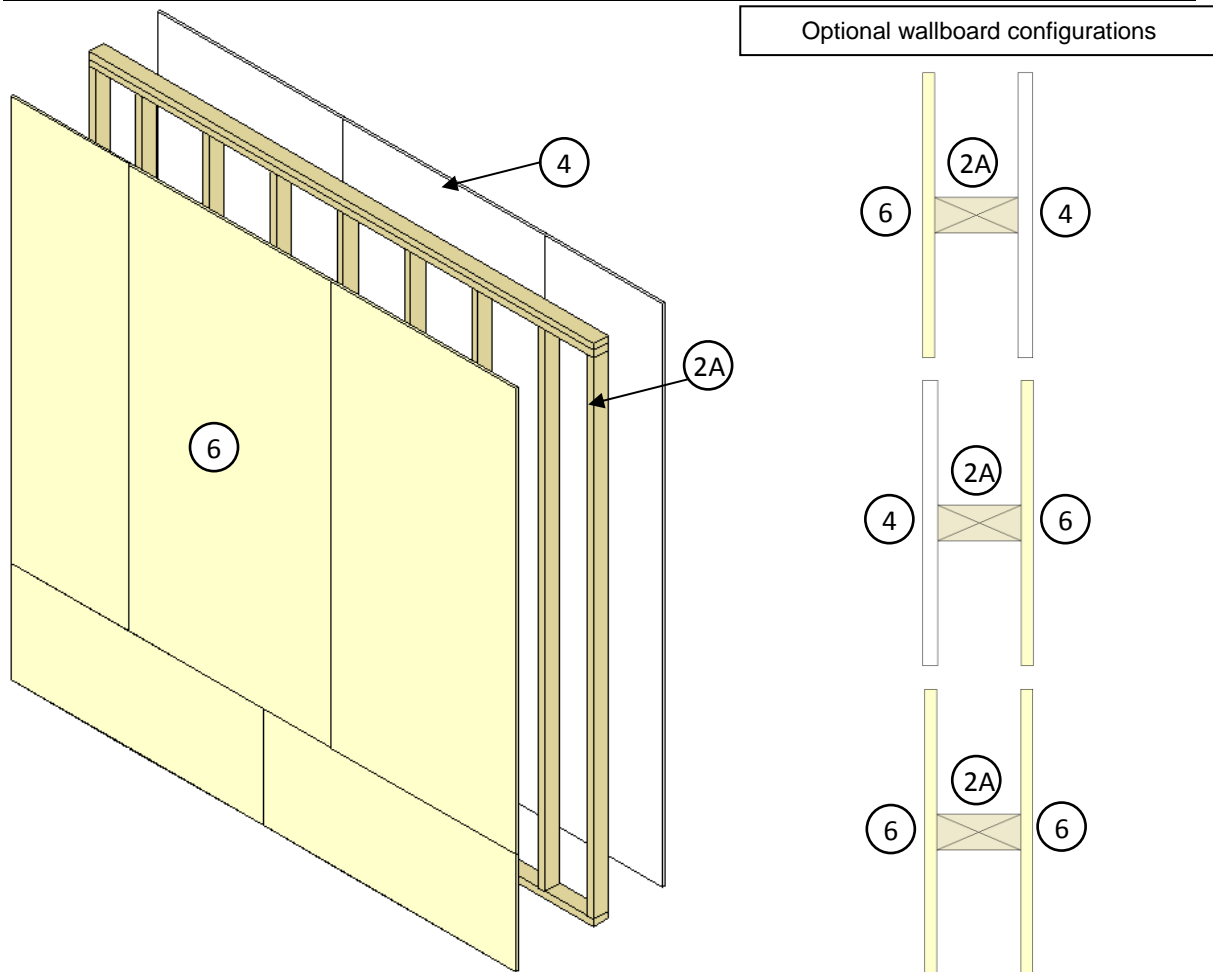


Jet Products, LLC  
 Design No. JPL/GFRCP 60-01  
 Non-load-bearing Wall System  
 Jet Products 1 Hour Fire Rated Wall System  
 ASTM E119  
 Rating: 1 Hour



**1. EXTERIOR NON-LOAD-BEARING WALL ASSEMBLY:** Incorporate construction features in the exterior non-load-bearing wall assembly as described in Items 1 through 7.

**2. STRUCTURAL MEMBERS:** Use either wood or steel structural members with the following installation specifications:

A. **WOOD STUDS:** Install min 2 x 4 in. wood stud members spaced max 16 in. on center (oc) with two (2) 2 x 4 in. top plates and one (1) 2 x 4 in. bottom plates. In lieu of 2 x 4 in. members, 2 x 6 in. members may be used at a max spacing of 16 in. oc with two (2) 2 x 6 in.

top plates and one (1) 2 x 6 in. bottom plate. Studs should be effectively fire stopped. All lumber section dimensions are nominal values.

B. **STEEL STUDS (Not shown):** In lieu of Item 2A, install min 3-1/2 in. deep, min No. 20 MSG corrosion protected steel structural members spaced max 16 in. oc. Attach studs to floor and ceiling tracks with 1/2 in. long Type S-12, steel screws to both sides of the stud, or use welded connections, or bolted connections according to AISI design specifications.

C. STEEL FLOOR AND CEILING TRACKS  
(For use with Item 2B; Not shown):  
Install min 3-1/2 in. deep, min No. 20  
MSG corrosion protected steel structural  
members to floor and ceiling assemblies  
with appropriate fasteners and methods  
at a max spacing of 24 in. oc.

3. **LATERAL BRACING (Not shown):** Where  
required by the design of a specified steel  
stud wall to provide lateral support of studs,  
support may be provided by means of steel  
straps, channels or other similar means.

4. **GYPHUM BOARD:** In assemblies that  
require gypsum wall board, apply one layer  
of 5/8 in. thick, Type X, gypsum board using  
1-1/4 in. long, No. 6, Type S, screws spaced  
nominally 8 in. and 12 in. oc in the perimeter  
and field, respectively, for wood structural  
members. For steel structural members, use  
1-1/4 in long, Type S self-drilling screws  
spaced as described above. Apply a Level 2  
finish of vinyl or casein, dry or premixed joint  
compound as follows. Apply to gypsum  
board in two coats to all exposed fastener  
heads and gypsum board joints. Embed min  
2 in. wide paper, plastic, or fiberglass tape in  
first layer of compound over joints in gypsum  
board.

5. **BATTS AND BLANKETS (Not shown):**  
Install nominal 4 in. thick, min 3 pcf unfaced  
mineral fiber insulation into the wall cavity  
between the structural members (Item 2). In  
the case that 2 x 6 in. wood members are  
used, use nominal 6 in. thick, min 3 pcf  
unfaced mineral fiber insulation pressure  
fitted in the wall cavity.

6. **CERTIFIED COMPANY:** Jet Products, LLC.

**CERTIFIED PRODUCT:** 1/2 in. Jet Board  
Structural Fireboard

**JET BOARD:** Install min 1/2 in. Jet Board  
Structural Fireboard using #8 x 2 in. coated  
fasteners, spaced 6 in. and 12 in. oc along  
the perimeter and in the field, respectively,

for wood structural members. For Steel  
structural members, use min #8 x 2 in.,  
coated, self-drilling screws spaced as  
described above. Apply a Level 2 finish at all  
joints and fasteners using a cementitious  
joint compound. Apply to Jet Board in two  
coats to all exposed fastener heads and  
joints embedding min 2 in. wide fiberglass  
tape in first layer of compound over joints in  
Jet Board.

7. **EXTERIOR VENEERS (Optional):** The  
following exterior facings are to be installed  
in accordance with the manufacturer's  
installation instructions:

A. Brick – Any 4 in. wide brick siding  
installed in accordance with the  
manufacturer's installation specifications

B. Wood Siding Panels – 0.313 in. min  
thick lumber, plywood or OSB wood  
based siding

C. OSB Lap Siding – 0.313 in. min thick  
OSB wood based siding

D. Hardboard Panel Siding – 0.25 in. min  
thick fiber-cement based siding

E. Hardboard Lap Siding – 0.25 in. min  
thick fiber-cement based siding

F. Fiber Cement Panel Siding – 0.25 in.  
min thick fiber-cement based siding

G. Fiber Cement Lap Siding – 0.25 in. min  
thick fiber-cement based siding

H. Cementitious Stucco – Portland cement  
type, 0.75 in. min thick with metal lath or  
mesh

I. Vinyl Siding – 0.035 in. min thick vinyl,  
exterior plastic siding