NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

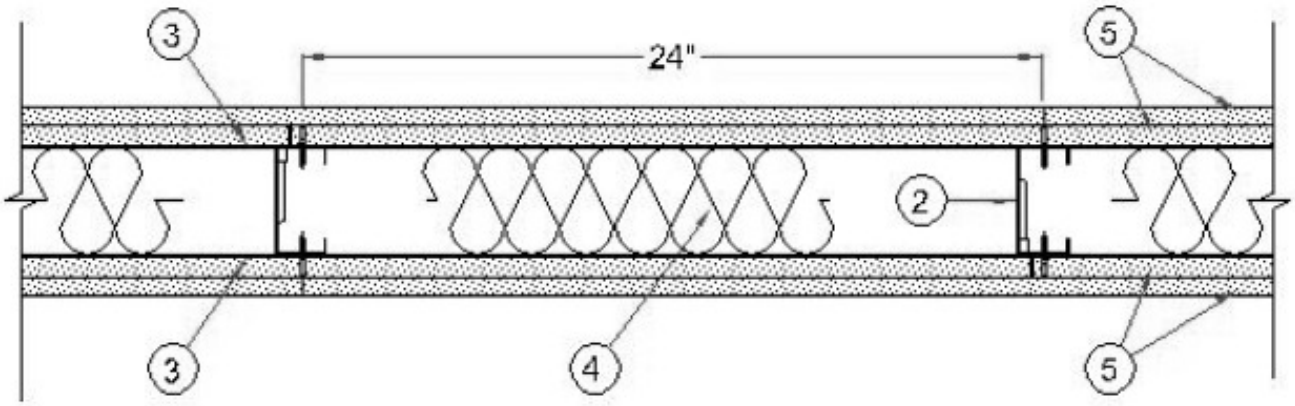
Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 140-07-M

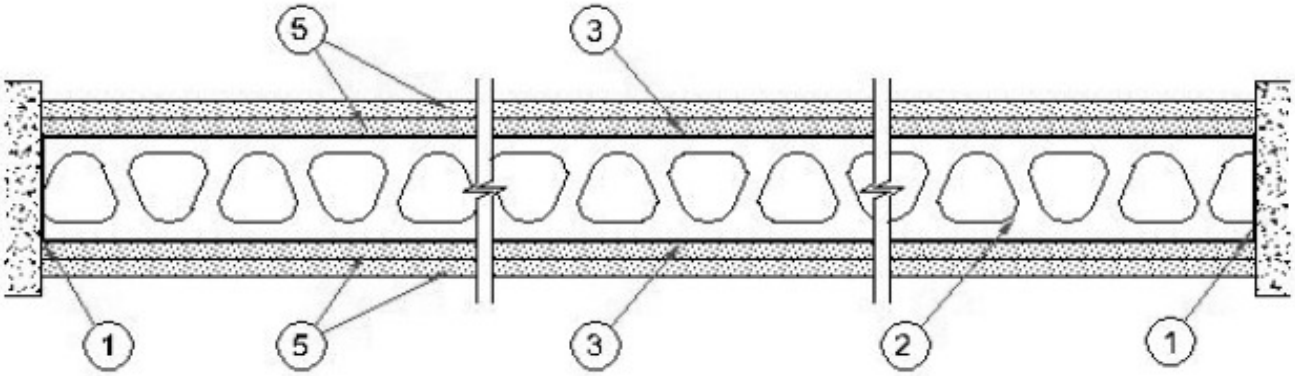
Manufacturer:	MARINO/WARE, 400 Metuchen Road, South Plainfield, N.J. 07080
Trade Name(s):	StudRite
Product:	1- and 2-hour fire-rated StudRite wall assembly for Class I construction
Pertinent Code Section(s):	27-323, 27-324, 27-280
Prescribed Test(s):	RS 5-1 (ASTM E119)
Laboratory:	Underwriters Laboratories, Inc.
Test Report(s):	UL Project Nos. 83T118, 87NK3078 and 07CA17411. UL Design No. BXUV.V454.

Description: Minimum $3^5/_8$" wide x $1^5/_8$" flange x minimum 20-gauge (33 mil) Marino\WARE Type JR StudRite with 3½" Fiberglass insulation and either 1 or 2 layers of UL Classified $^5/_8$" minimum Type "C" Gypsum. The assembly shall be installed in accordance with manufacturer's instruction and Underwriters Laboratories, Inc.'s listing on following pages in achieving the required fire-resistance rating.

DESIGN No. V457



HORIZONTAL SECTION



VERTICAL SECTION

1. Floor and Ceiling Track – Minimum $3^5/_8$ inches wide by 1¼ inch deep channel, minimum No. 18 MSG galvanized steel, attached to masonry or concrete with fasteners spaced 24 in. O.C.

2. Structural Steel Member* – Minimum $3^5/_8$ inches wide, $1^5/_8$ inch deep, steel studs made from minimum 20 MSG galvanized steel. Studs spaced 24 inches O.C. (maximum) and attached to floor and ceiling track with No. 8 by ½ inch long low profile screws, one screw per flange, each side.

   Marino\WARE, Division of Ware Industries Inc. – Type JR StudRite studs, Type JT Stud Track

3. Lateral Bracing – 1½ inch wide 18 GA thick galvanized steel strapping spaced 48 inches O.C. (maximum) attached to each stud through the flange with one No. 8 by ½ inch long low-profile screw.

4. Batts and Blankets* – Placed in stud cavities, nominal thickness 3½ inches, any glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance, having a minimum density of 1.0 pcf.

*See Batts and Blankets (BKNV and/or BZJZ) Categories for names of Classified Companies.

5. Gypsum Board* – $^5/_8$ inch thick, 48 inches wide applied in one or two layers on each side of stud in accordance with the following:

Rating	No. of Layers, Each Side
1 hour	1
2 hour	2

Single layer or inner layer of double layer construction applied vertically and attached to studs and track with 1 inch long Type "S" drywall screws spaced 12 inch O.C. along board edges and ends and in the field of the board. Joints located over studs and staggered on opposite sides of the assembly. Outer layer of double layer construction applied horizontally or vertically and attached to studs and track with $1^5/_8$ inch long Type "S" drywall screws spaced 12 inches O.C. along board edges and ends and in the field of the board. Vertical joints located over studs, vertical and horizontal joints staggered from inner layer joints and on opposite sides of the assembly.

Canadian Gypsum Company – Types C, IP-X2, IPC-AR, WRC

G-P Gypsum Corp. Sub of Georgia-Pacific Corp. – Types 5, Fireguard C, GPFS1

Lafarge North America Inc. – Types LGFC-C, LGFC-C/A

United States Gypsum Co. – Types C, IP-X2, IPC-AR, WRC

USG Mexico S A DE C V – Types C, IP-X2, IPC-AR, WRC

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.

***Bearing the UL Classification Mark

Terms and Conditions: The above-described one- or two-hour, fire-rated wall assembly is accepted with the following conditions:

1. The design shall comply with the conditions of UL Design No. V457 test and with manufacturer's instructions
2. Structural requirements shall comply with Subchapter 10, Reference Standard RS 10-3 and other applicable provisions of the New York City Building Code.
3. The acceptance of this assembly is limited to fire resistance only. Structural and other requirements shall be in accordance with pertinent Building Code, laboratories' listing and the manufacturer's requirements.
4. All shipments and deliveries of such materials shall be provided with a certificate or label certifying that the material shipped or delivered is equivalent to that tested and accepted for use, as provided for in Section 27-131 of the New York City Building Code.

Final Acceptance October 2, 2007

Examined By Simon Desfheden