



Buildings

NYC Department of Buildings
280 Broadway, New York, NY 10007
Robert D. LiMandri, Commissioner
(212) 566-5000, TTY: (212) 566-4769

**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 234-08-M

Manufacturer: Marino/WARE
400 Metuchen Road
Plainfield, N.J. 07080

Trade Name(s): Viper Fire / Impact Resistance Wall System, 2-hour Fire Rating

Product: 3⁵/₈" Viper 20 Stud and Viper20 Track
MEA Index #310-190– Wall Assembly

Pertinent Code Section(s): 27-131, 27-987 (c)(2), 27-375 (i)(6),
Local Law 26, Rule 32-05 and RS 10-3

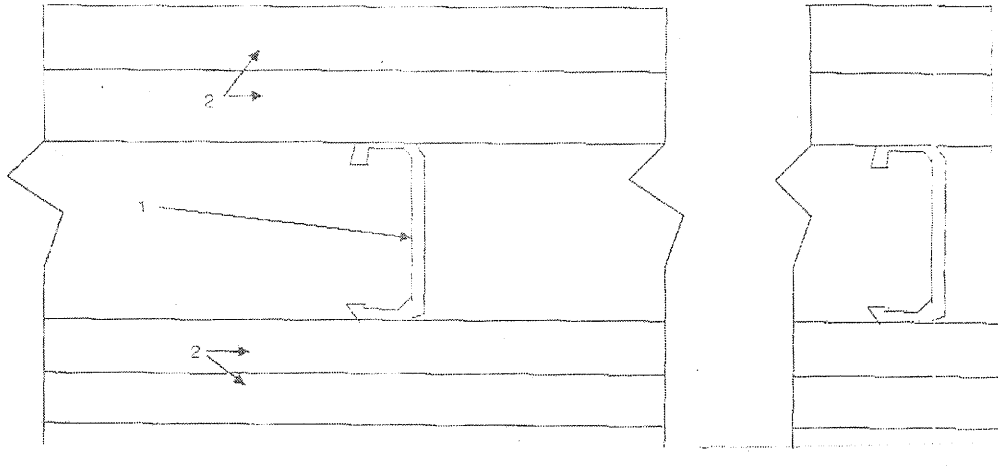
Prescribed Test(s): ASTM C1629/C1629-06, RS 5-2 (ASTM E119)

Laboratory: Intertek Testing Services

Test Report(s): Intertek Report No. 3156668-National Gypsum and
USG Design Nos. MW/WA120-04 and MW/WA120-05.
Intertek 20-gauge stud, 2-hour fire rating; Reference.

Description: Fire- and impact-resistant shaft wall assembly composed of 2-layer 5/8" Type X high impact gypsum board on one side and 2-layer 5/8" Type X gypsum board on the other side. Impact boards are provided by USG and National Gypsum. Gypsum board attached to 3⁵/₈" Viper20 (0.0245" thick). The Type X hi-impact gypsum board can be replaced with Type X Hi-Abuse boards (same manufacturer).

MARINOWARE
Design No. MW/WA 120-04
ASSEMBLY RATING: 2 HOUR WALL ASSEMBLY
NON-LOAD BEARING



CERTIFIED MANUFACTURER:
MARINOWARE

CERTIFIED PRODUCT: VIPERSTUD Steel
Stud Non-Load Bearing Wall Assembly

MODEL:

1. Non-load bearing wall assembly using VIPERSTUD25™ 1 5/8", 2 1/2", 3 5/8", 4", or 6" depth (0.0155" design thickness) ASTM A653 SS Grade 50 steel studs at 24" O.C. Studs are friction fit into 0.0155" design thickness ASTM A653 SS Grade 50 VIPERTRACK™ steel starter channel.
2. Two layers of 5/8" Type X gypsum wallboard are placed on the exterior and interior side. The wallboard is oriented vertically, with staggered seams (*See below for details on wallboard). The base layer is

mechanically fastened with No. 6 x 1" Type "S" Drywall screws at 8" OC around perimeter of wall board to studs, and at 12" OC along studs located across interior of wall board. The face layer is fastened with No. 6 x 1-5/8" Type S Drywall Screws following the same fastening pattern. No screws penetrated VIPERTRACK TO VIPERSTUD as this is an expansion system.

3. Wall board joints and screw heads finished with Industry Standard Compound, approximately 1/4" bead.
4. Joints taped with Industry Standard 1/16" Joint Tape.

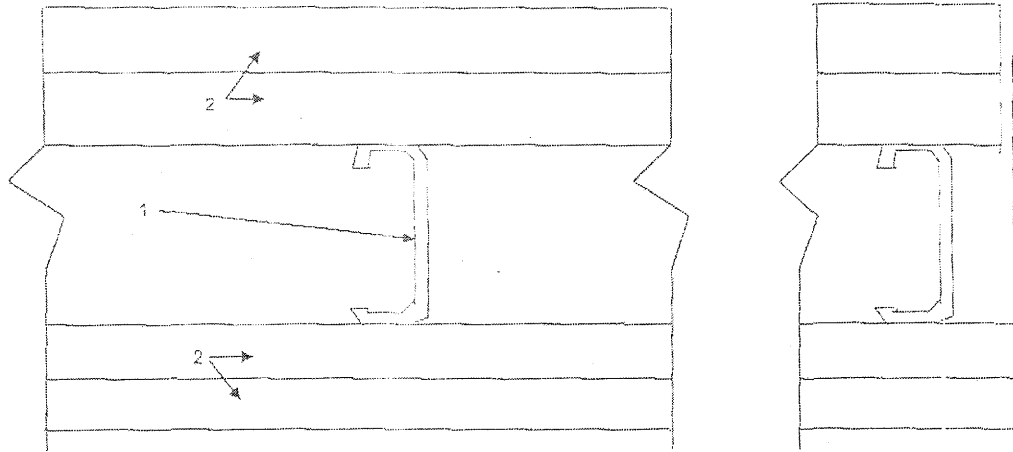
NO INSULATION MATERIAL IS REQUIRED WITHIN WALL CAVITIES OF THIS WALL ASSEMBLY.

*Regular 5/8" Type X gypsum wallboard denotes any manufacturer that produces gypsum wallboard in accordance with ASTM C36 / C1396. These manufacturers are currently defined as, but not limited to: American Gypsum, CertainTeed Gypsum, CGC Inc., Federal Gypsum Company, GP Gypsum, Lafarge North America, National Gypsum Co., PABCO Gypsum, Temple-Inland and United States Gypsum and listed as active members of the Gypsum Association

Date Created: January 29, 2008
Project No: 0133371

Intertek

MARINOWARE
 Design No. MW/WA 120-05
ASSEMBLY RATING: 2 HOUR WALL ASSEMBLY
FIRE SIDE NON-LOAD BEARING



CERTIFIED MANUFACTURER:
 MARINOWARE

CERTIFIED PRODUCT: Steel Stud Non-Load Bearing Wall Assembly

MODEL:

1. Non-load bearing wall assembly using VIPERSTUD25™ 1 5/8", 2 1/4", 3 5/8", 4", or 6" depth (0.0155" design thickness) ASTM A653 SS Grade 50 steel studs at 24" O.C. Studs are friction fit into 0.0155" design thickness ASTM A653 SS Grade 50 VIPERTRACK™ steel starter channel.

2. Two layers of 5/8" Type X gypsum wallboard are placed on the exterior and interior side. The wallboard is oriented horizontally, with joints aligned or staggered on each layer, but not overlapping from one layer to the next ("See below for details on

wallboard). The base layer is mechanically fastened with No. 6 x 1" Type "S" Drywall screws at 8" OC around perimeter of wall board to studs, and at 12" OC along studs located across interior of wall board. The face layer is fastened with No. 6 x 1-5/8" Type S Drywall Screws following the same fastening pattern. No screws penetrated VIPERTRACK TO VIPERSTUD as this is an expansion system.

3. Wall board joints and screw heads finished with Industry Standard Compound, approximately 1/2" bead.

4. Joints taped with Industry Standard 1/16" Joint Tape.

NO INSULATION MATERIAL IS REQUIRED WITHIN WALL CAVITIES OF THIS WALL ASSEMBLY.

*Regular 5/8" Type X gypsum wallboard denotes any manufacturer that produces gypsum wallboard in accordance with ASTM C36 / C1398. These manufacturers are currently defined as: but not limited to American Gypsum, CertainTeed Gypsum, CGC Inc, Federal Gypsum Company, GP Gypsum, Lafarge North America, National Gypsum Co., PABCO Gypsum, Temple-land and United States Gypsum and listed as active members of the Gypsum Association.

Data Created: July 15, 2008
 Project No: 3155601



Terms and Conditions: The above-described impact-resistant wall systems, Design Numbers MW/WA120-04 and MW/WA120-05, are accepted for use with the following conditions:

1. The designs shall meet UL two-hour fire-resistance requirements.
2. Structural requirements shall comply with Subchapter 10, Reference Standard RS10-3 and other applicable provisions of the New York City Building Code.
3. The acceptance of the systems 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 those tested and accepted for use, as provided for in Section 27-131 of the New York City Building Code.

NOTE: In accordance with Section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance January 14, 2009

Examined By Srin Deshpande