

**SECTION 092216.16**  
**HORIZONTAL BASE STUD SYSTEM**



Non-Structural / Non-Fire Rated

SECTION INCLUDES STEPSTUDS™, A HORIZONTAL BASE STUD SYSTEM MANUFACTURED BY HORIZONTAL BASE STUDS, LLC. THE HORIZONTAL BASE STUD SYSTEM IS INSTALLED HORIZONTALLY AROUND THE PERIMETER OF A ROOM, AT THE BASE OF WALLS HAVING GYPSUM WALL BOARD, IN AREAS PRONE TO FLOODING OR WATER INTRUSIONS. INCLUSION OF THE HORIZONTAL BASE STUD SYSTEM ATTACHED TO THE OUTSIDE OF AN EXISTING FRAMED WALL, DRASTICALLY REDUCES LABOR COSTS AND ROOM DOWNTIME TO REPLACE GYPSUM WALL BOARD IN THE CASE OF FLOODING OR A WATER INTRUSION, WHICH RESULTS IN THE REPLACEMENT OF WET AND MOLDY DRYWALL.

THIS SECTION CAN BE INCLUDED AS A STAND-ALONE SPECIFICATION OR INFORMATION MAY BE INCORPORATED INTO THE NON-STRUCTURAL METAL FRAMING OR GYPSUM WALL BOARD ASSEMBLY SPECIFICATION.

CONTACT HORIZONTAL BASE STUDS, LLC WITH ANY QUESTIONS:

Website: [www.StepStuds.com](http://www.StepStuds.com)

Phone: 1-833-783-7788 (1-833-STEPSTUDS)

Direct Contact: Michael Cox

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. Section Includes: Horizontal Base Stud System.
- B. Related Sections:
  - 1. Section 092216 – Non-Structural Metal Framing.
  - 2. Section 092900 - Gypsum Board Assemblies.

**1.2 SUBMITTALS**

- A. Product Data: Submit manufacturer's printed product data for each type of product, indicating the sizes and components required.

**1.3 DELIVERY, STORAGE, AND HANDLING**

- A. Protect metal framing from corrosion, deformation, and other damage during delivery, storage, and handling.

**PART 2 - PRODUCTS**

**2.1 MANUFACTURERS**

- A. Provide StepStuds™ as manufactured by Horizontal Base Studs, LLC, St. Louis, MO.
  - 1. Website: [www.StepStuds.com](http://www.StepStuds.com)
  - 2. Phone: 1-833-783-7788
  - 3. Direct Contact: Michael Cox

## 2.2 MATERIALS

Horizontal Base Stud: ASTM A653-23 Galvanized steel, pre-formed framing member with a pre-punched air vent system and drain hole system.

1. Thickness: 26 gauge
2. Height: 3-3/8-inches

SELECT EITHER 1/2-INCH OR 5/8-INCH WIDTH TO MATCH THICKNESS OF GYPSUM BOARD

3. Width: 1/2-inch [5/8-inch]
4. Length: 96-inch standard

CONTACT HORIZONTAL BASE STUDS, LLC TO SELECT THE APPROPRIATE COMPONENTS FOR THE PROJECT. PART ABBREVIATIONS ARE AS FOLLOWS:

HBS = Horizontal Base Stud

OSS = Outside StepStud™

ISS = Inside StepStud™

WH = With Holes

WOH= With Out Holes

5. Components:
  - a. StepStud™ Main Outside Piece 5/8: Part # HBS-OSS-WH-5/8-96 (STC Rating 50)
  - b. StepStud™ Main Outside Piece 1/2: Part # HBS-OSS-WH-1/2-96
  - c. StepStud™ Extender 5/8: Part # HBS-ISS-WH-5/8-96
  - d. StepStud™ Extender 1/2: Part # HBS-ISS-WH-1/2-96
  - e. StepStud™ Spline 5/8: Part # HBS-SPLINE-5/8-96
  - f. StepStud™ Spline 1/2: Part # HBS-SPLINE-1/2-96
  - g. StepStud™ Spacer Bar: Part # HBS-SPACER BAR-5/8-96
  - h. StepStud™ Spacer Bar: Part # HBS-SPACER BAR-1/2-96
  - i. StepStud™ Corner: Part # HBS-CORNER

## 2.3 ACCESSORIES

- A. Fasteners: Provide self-tapping fasteners to attach Horizontal Base Studs to vertical metal studs.
- B. Cove Base Adhesive: Adhere cove base to Horizontal Base Studs with one of the following:
  1. 3M™ Polyurethane Adhesive Sealant 560.
  2. Henry® 440 Wall Base Adhesive.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Horizontal Base Stud System, **Retrofit Installation:**
  1. Using an oscillating multi-tool with blade, cut off and remove 3-5/8-inches of gypsum wall board from the bottom of wall using a 3-5/8-inch-tall block of wood (2 feet long preferred or longer) as a guide to run the saw blade across, or similar device, to ensure a straight horizontal cut for removal and StepStud™ installation.
  2. Mark location of existing vertical studs on the floor for later identification of fastener installation.
  3. Place horizontal base stud against stud framing using extenders, splines, and corners as required.
  4. Fasten StepStuds™ to each vertical stud with one self-tapping screw prior to applying base trim.
  5. If a StepStud™ Spline is used, install one self-tapping screw on each side of the joint, through the middle section of the StepStud™ and into the Spline.
- B. Horizontal Base Stud System, **New Installation:**
  1. Install the StepStuds™ Horizontal Base Stud System at floor level, flush against existing stud framing.
  2. Use a 1/4-inch shim to raise the StepStuds™ up off the floor.
  3. Fasten to vertical studs prior to applying gypsum wall board sheathing.

- a. Place Horizontal Base Stud against stud framing using extenders, splines, and corners as required.
  - b. Fasten StepStuds™ to each vertical stud with one self-tapping screw prior to applying base trim.
4. If a StepStud™ Spline is used, install one self-tapping screw on each side of the joint, through the middle section of the StepStud™ and into the Spline.

**END OF SECTION**