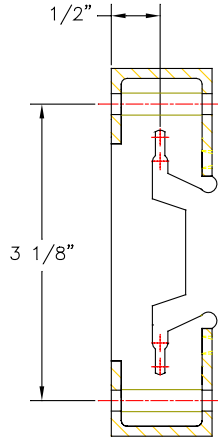


Installation of IsoMax Sound Isolation Clips Wall or Ceiling

Step 1

Attach clips per Kinetics layout guidelines for walls or ceilings.
See attached layout drawings.



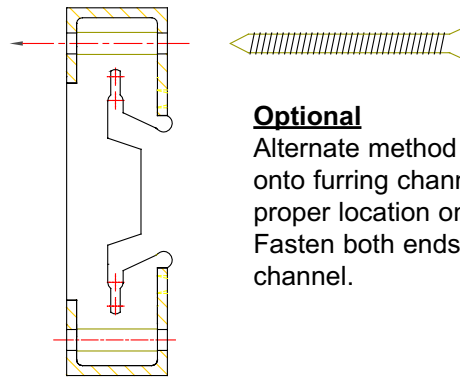
Step 2

Secure clips with a single fastener on one end only.

Wood - Use #8 x 2-1/2" coarse thread screws

Steel - Use #8, 10, or 12 x 1-5/8" self-tapping Type S screws

Concrete or Masonry - Use 3/16" dia x 2-1/4" Tapcon or equal anchor

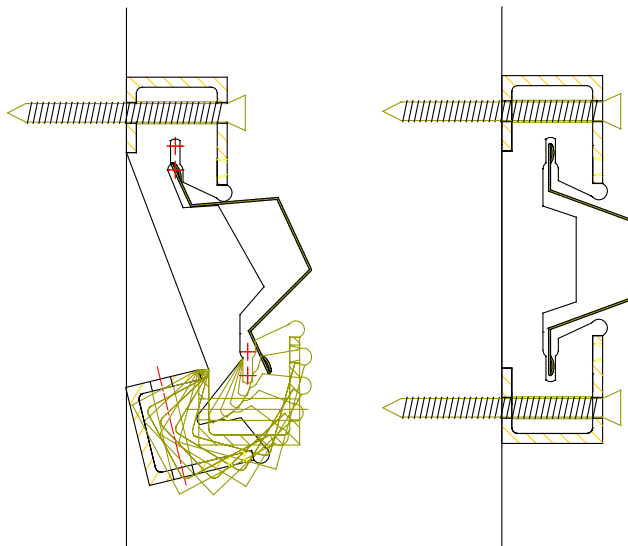


Optional

Alternate method for Step 2. Snap clips onto furring channel. Hand slide clips to proper location on the furring channel. Fasten both ends of the clip to secure the channel.

Step 3

Grip unsecured rubber end, snap in channel. Secure with second screw/anchor.



Furring Channel Requirements

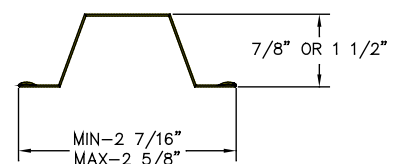
Minimum 25 ga with hemmed edge.

Standard - 7/8" deep channel

Optional - 1-1/2" deep channel for additional furring space.

Splice furring channel with a 6-in overlap and secure overlapped pieces with wire or screws per standard industry practice.

Furring Channel Dimensions



Load Specification for IsoMax Clips

The IsoMax clip is designed to carry a drywall furring channel (hat track) with one or more layers of gypsum wallboard attached. THE LOAD CAPACITY OF THE CLIP DEPENDS ON THE GAGE OF FURRING CHANNEL USED. Lighter, 25 ga, furring channel carries less load than 22 ga channel. The maximum design load capacity for the IsoMax clip in shear (wall application) or in tension (ceiling application) is as follows. Design load calculations are based on tested loading to failure where the furring channel deforms and pulls out.

	Design Load Maximum for <u>Wall or Ceiling Application</u>	
	<u>2:1 safety factor</u>	<u>2.5:1 safety factor*</u>
IsoMax clip with 25 ga steel furring channel	45 lbs.	36 lbs.
IsoMax clip with 22 ga steel furring channel	60 lbs.	48 lbs.

Note: 5/8" thick gypsum wallboard weighs 2.3 lbs/sq ft. 1/2" thick gypsum wallboard weighs 1.85 lbs/sq ft.

* Suggested safety factor of 2.5:1 for more critical life safety applications; i.e., hospitals

Installation of IsoMax Sound Isolation Clips - Walls and Ceilings

Spacing of clips on the furring channel shall be a maximum of 48 inches.

- Spacing between furring channels shall be a maximum of 24 inches.
- Use only the required size and gage of furring channel per the Furring Channel Requirements section and Load Specification section of this document.
- (Walls only) The first layer of gypsum wallboard shall align seams between sheets on the centerline of the horizontal furring channels.
- (Walls only) The bottom row of clips with furring channel(s) should be a maximum 3 inches to the center of the channel from the floor. The top row should be within 6 inches of the ceiling.
- (Walls only) The first row of gypsum wallboard sheets at the bottom of the wall shall be installed with the long dimension supported on a 1/4 inch thick continuous resilient isolation strip, Kinetics Model RWS.
- (Ceilings only) The IsoMax clips should be within 12 inches of the ceiling perimeter at the end of the furring channel run.
- (Ceilings only) The first row of channel at the ceiling perimeter should be a maximum 6" from the wall.
- Furring channels are installed perpendicular to the framing members.

General Information

All potential sound leaks; gaps around outlets, window, or door frames; pipe penetrations and the like should be sealed with a non-hardening acoustical sealant or resilient putty.

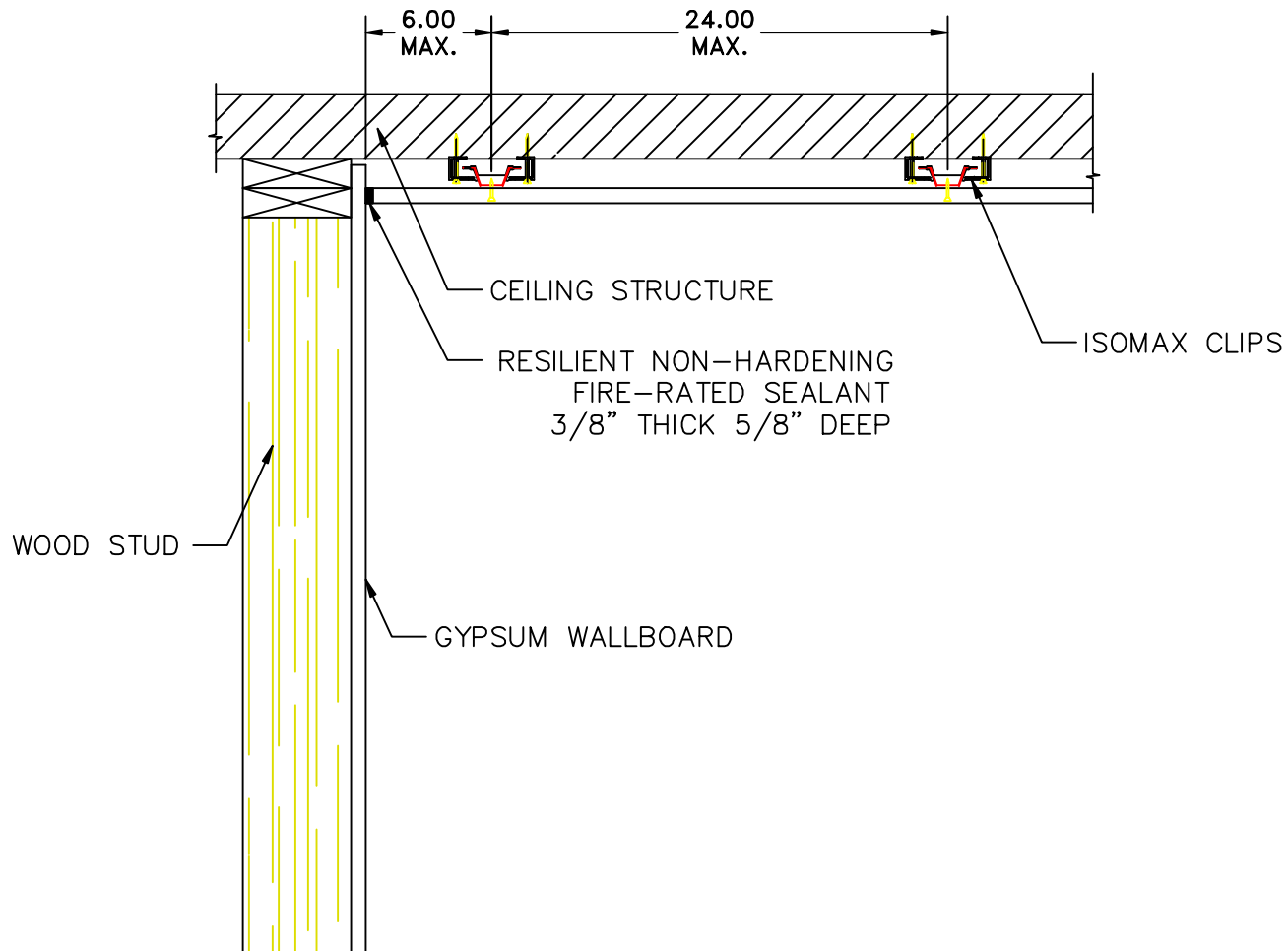
Note: See Kinetics Model Sealtight Outlet Backers.

Fire-rated wall and ceiling assemblies and the specific construction requirements are listed at:

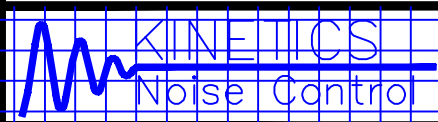
Go to www.ul.com.

On-line Certification Directory - Type **Kinetics Noise Control** in Search by Company.

Links to Listings will be displayed.



RESILIENTLY MOUNTED CEILING
WITH DIRECT ATTACHED WALL



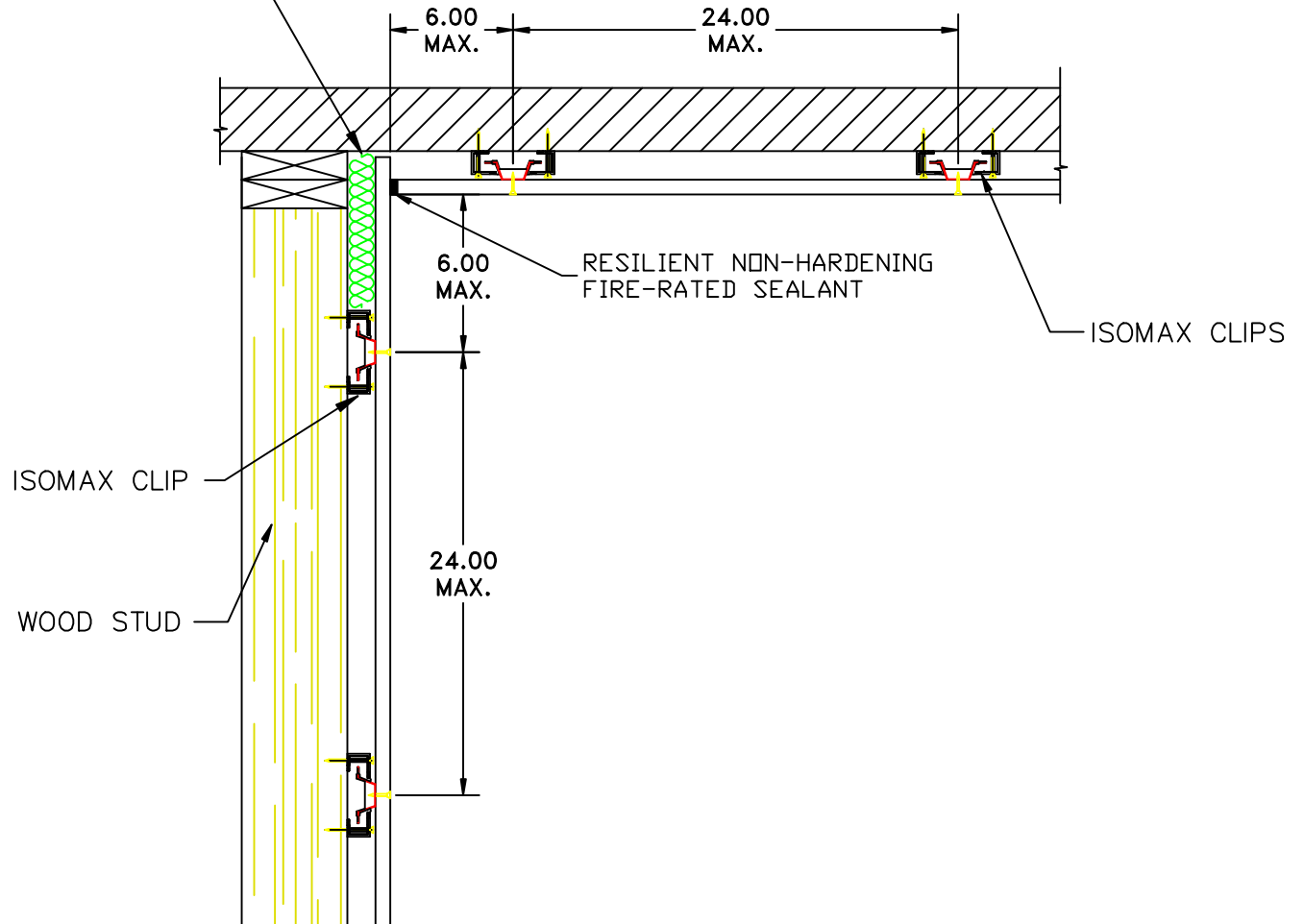
TITLE
KINETICS NOISE CONTROL
ISOMAX CLIP INSTALLATION 1

LAST DATE
REVISED
7/24/07

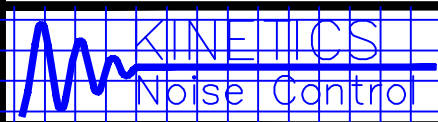
REVISED BY
J.FARRAR

DRAWING NO.
ISOMAX INSTALL 1

MINERAL FIBER INSULATION
FOR FIRE STOPPING



RESILENTLY MOUNTED WALL & CEILING

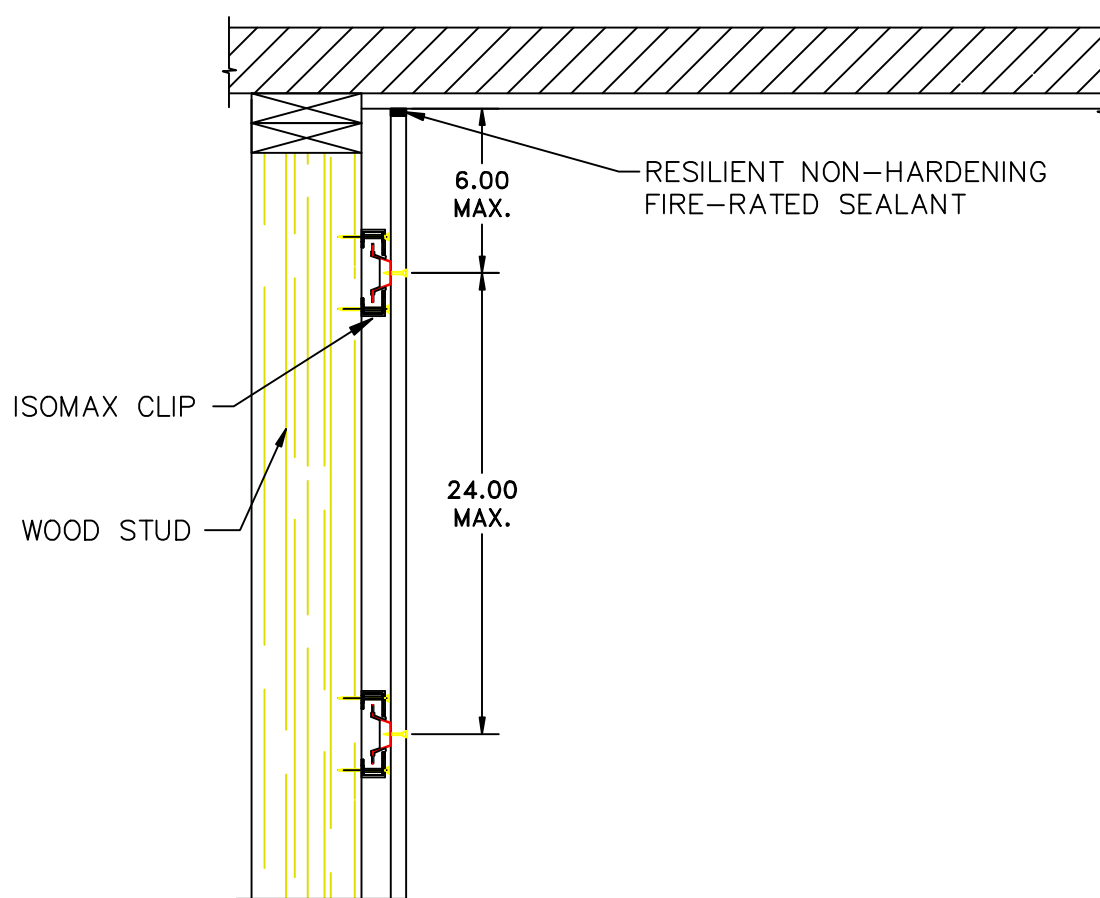


TITLE
KINETICS NOISE CONTROL
ISOMAX CLIP INSTALLATION 2

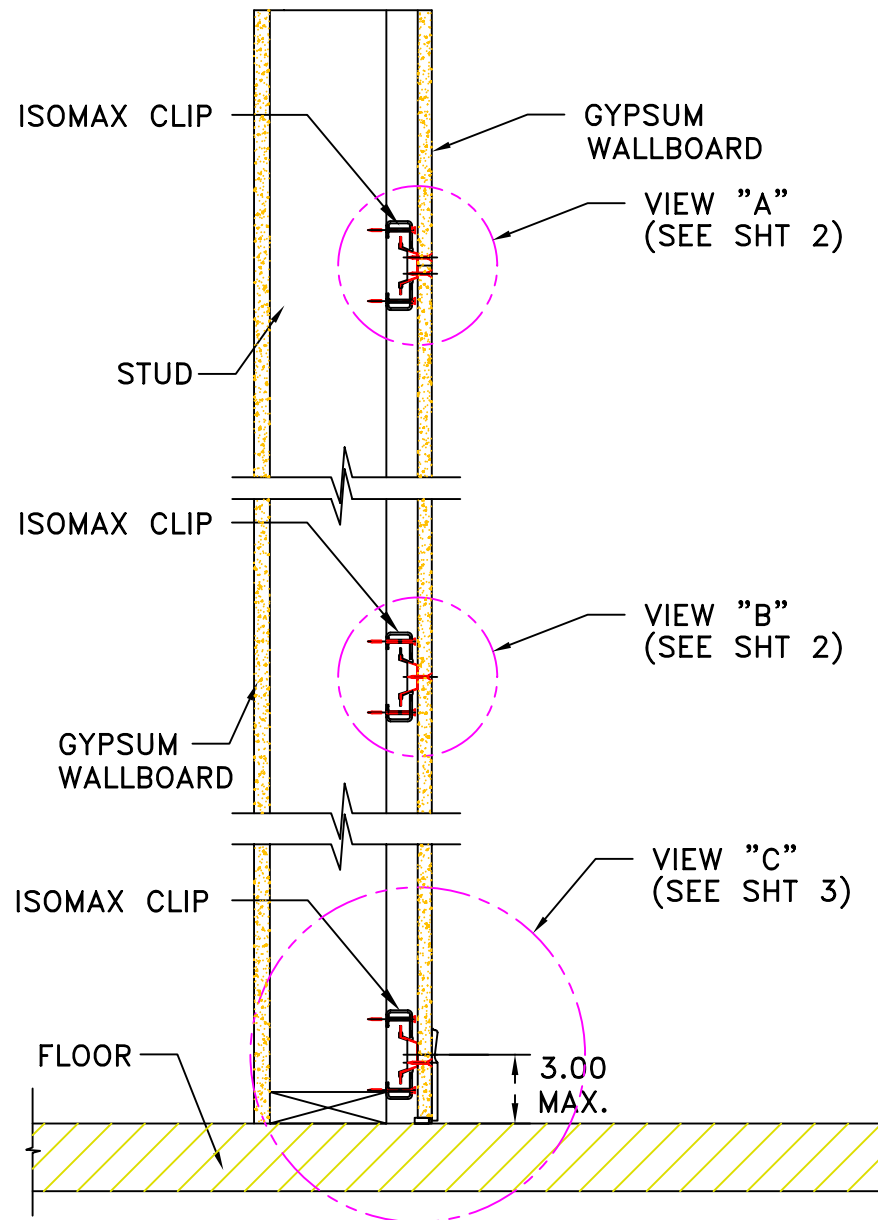
LAST DATE
REVISED
7/24/07

REVISED BY
J.FARRAR

DRAWING NO.
ISOMAX INSTALL 2

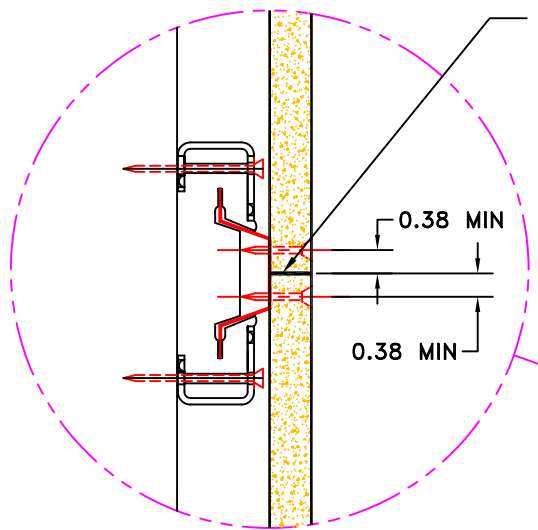


RESILIENTLY MOUNTED WALL
WITH DIRECT ATTACHED CEILING

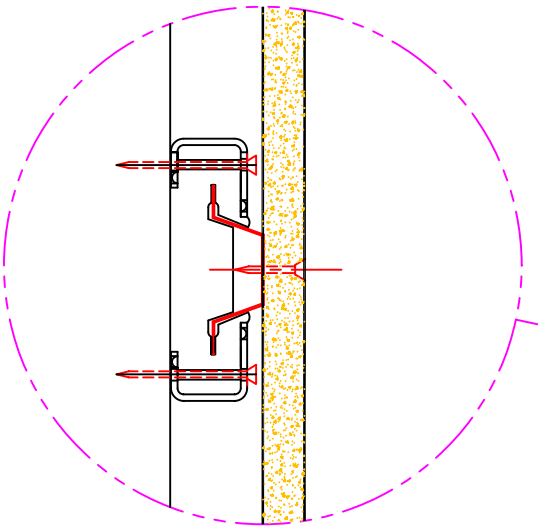


WALL/FLOOR SECTION

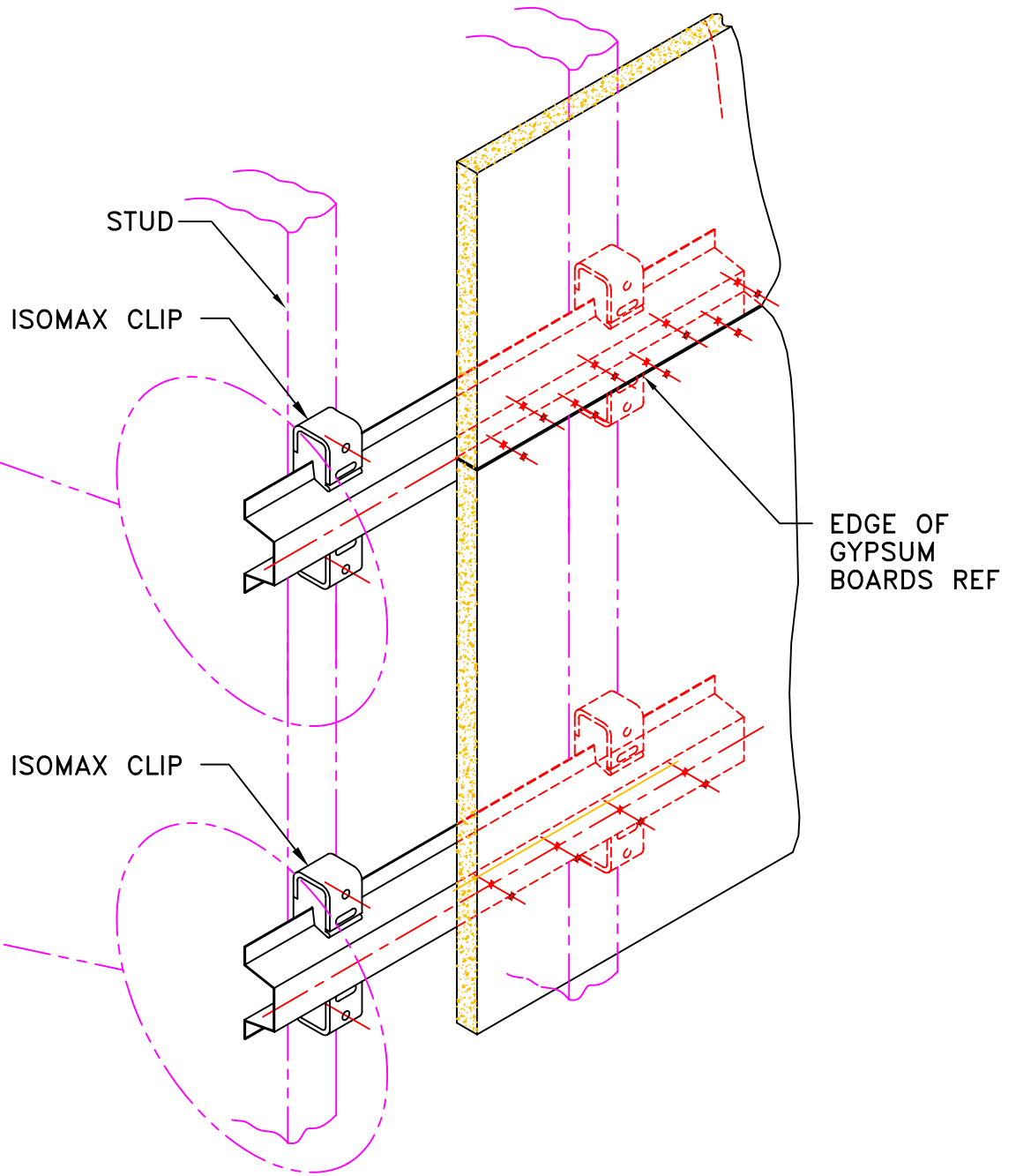
NOTE: FOR ACOUSTICAL ISOLATION
 BASE BOARD OR ANY OTHER
 WALL ATTACHMENTS MUST NOT
 TOUCH THE FLOOR.



ENLARGED VIEW "A"



ENLARGED VIEW "B"

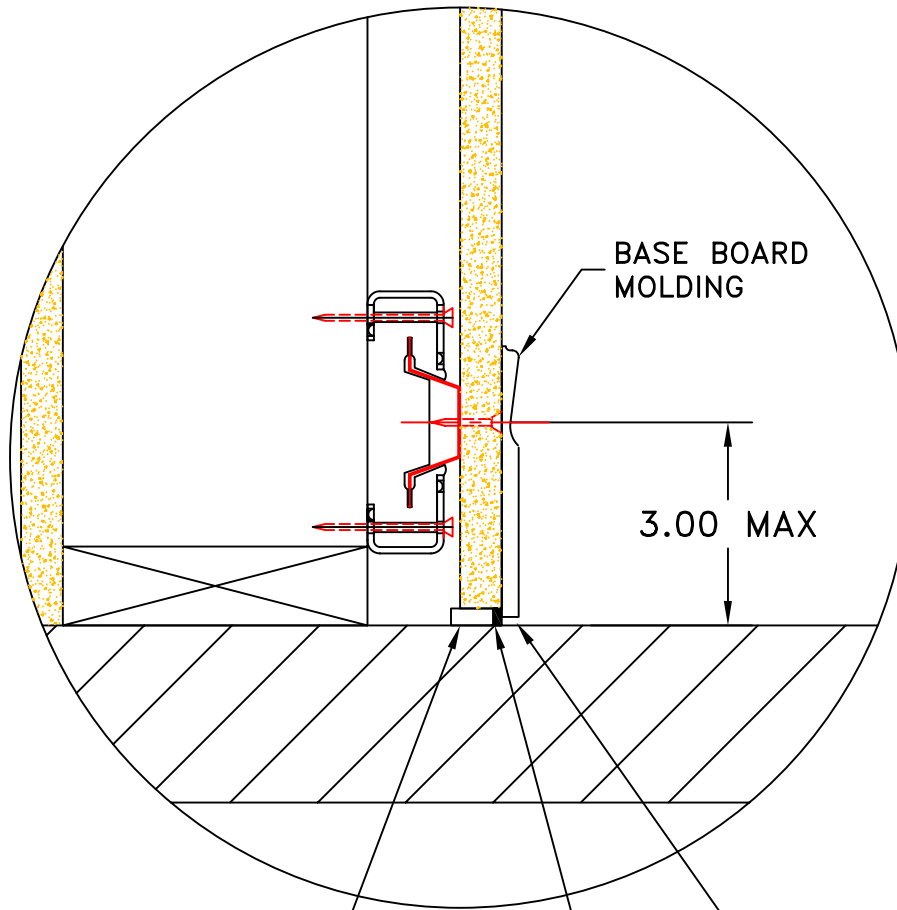


TITLE
 KINETICS NOISE CONTROL
 ISOMAX CLIP INSTALLATION 2

LAST DATE
 REVISED
 03/9/05

REVISED BY
 JEF

DRAWING NO.
 ISOMAX CLIP 2 SHT 2



KINETICS MODEL RWS,
THICK ADHESIVE BACKED
RESILIENT ISOLATION STRIP

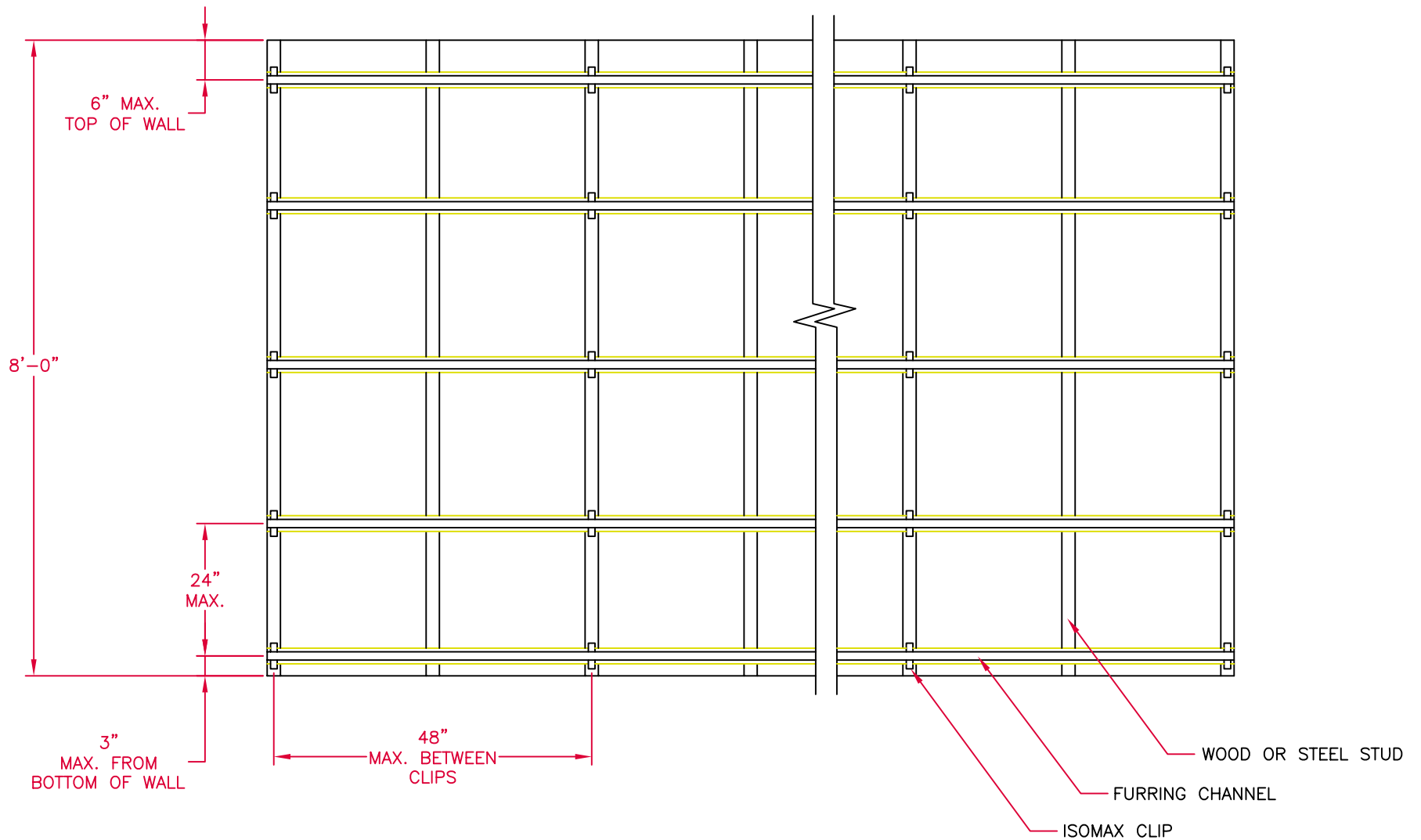
BASE BOARD
MOLDING

3.00 MAX

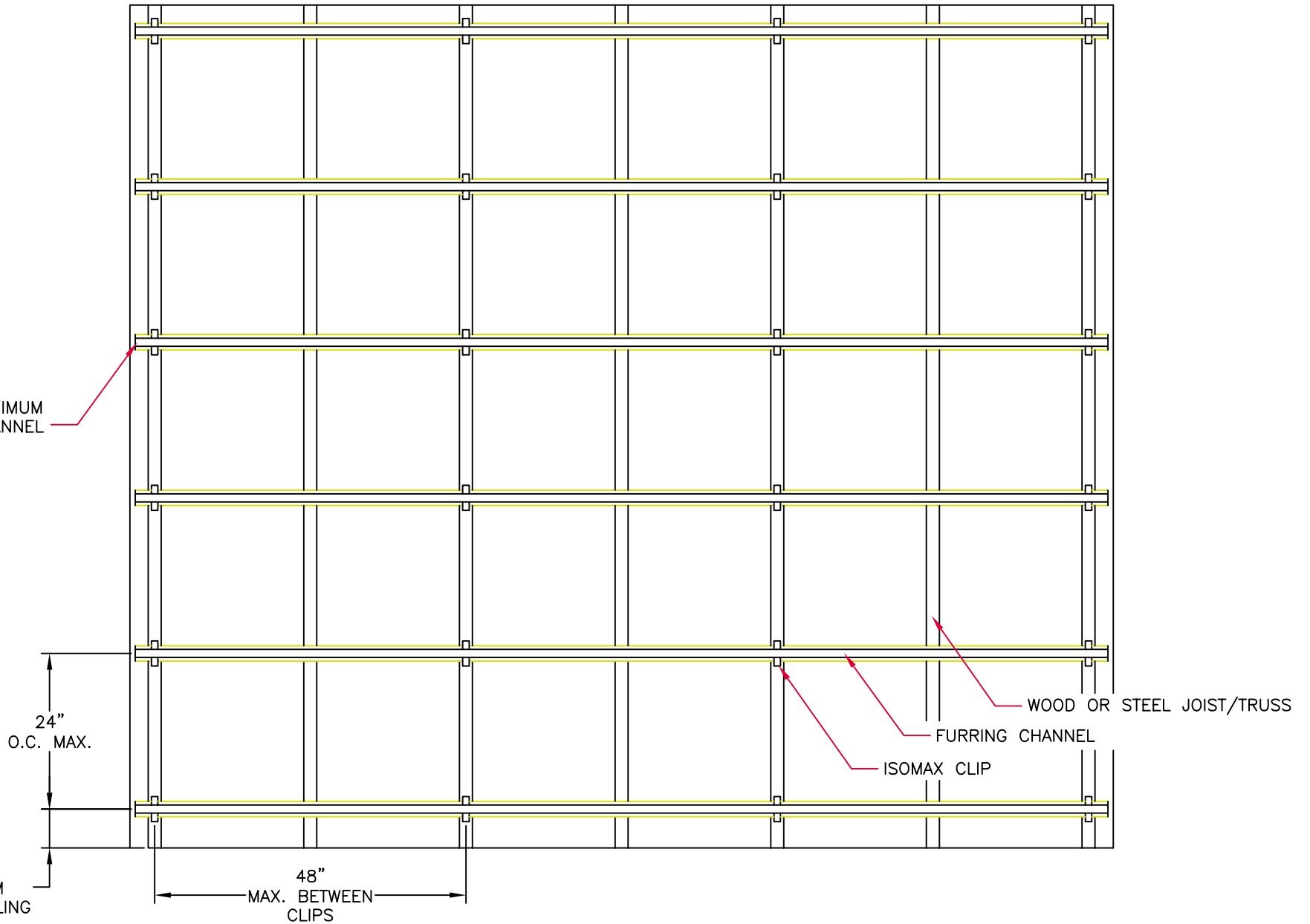
NOMINAL 1/8" GAP BETWEEN
BASE BOARD & FLOOR

CAULK WITH A NON-HARDENING
ACOUSTICAL SEALANT WITH REQUIRED
FIRE RATING

ENLARGED VIEW "C"

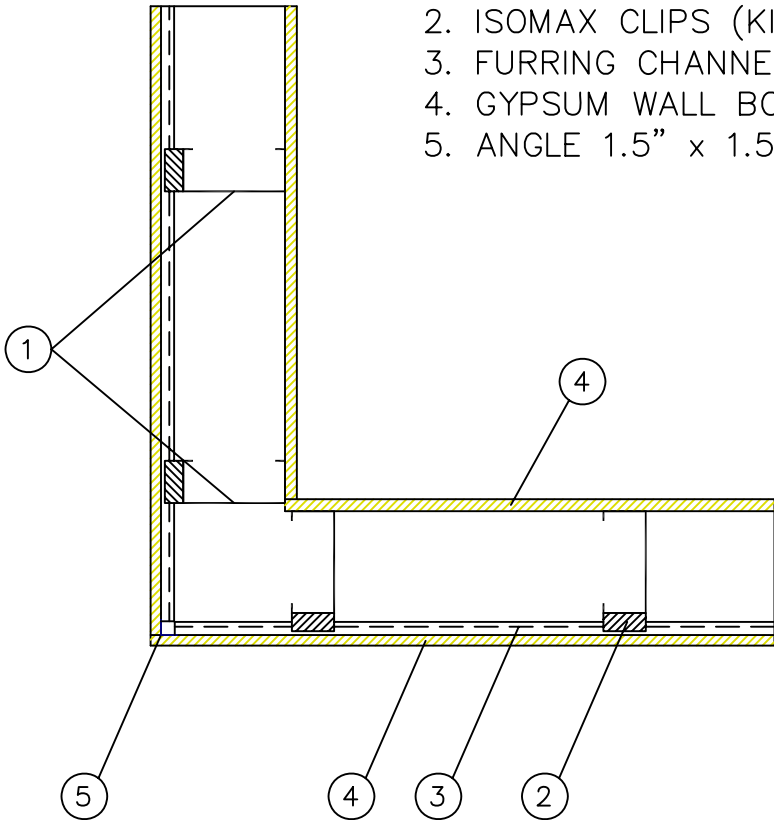


CLIP TO BE 12" MAXIMUM
FROM THE END OF CHANNEL
AT CEILING PERIMETER

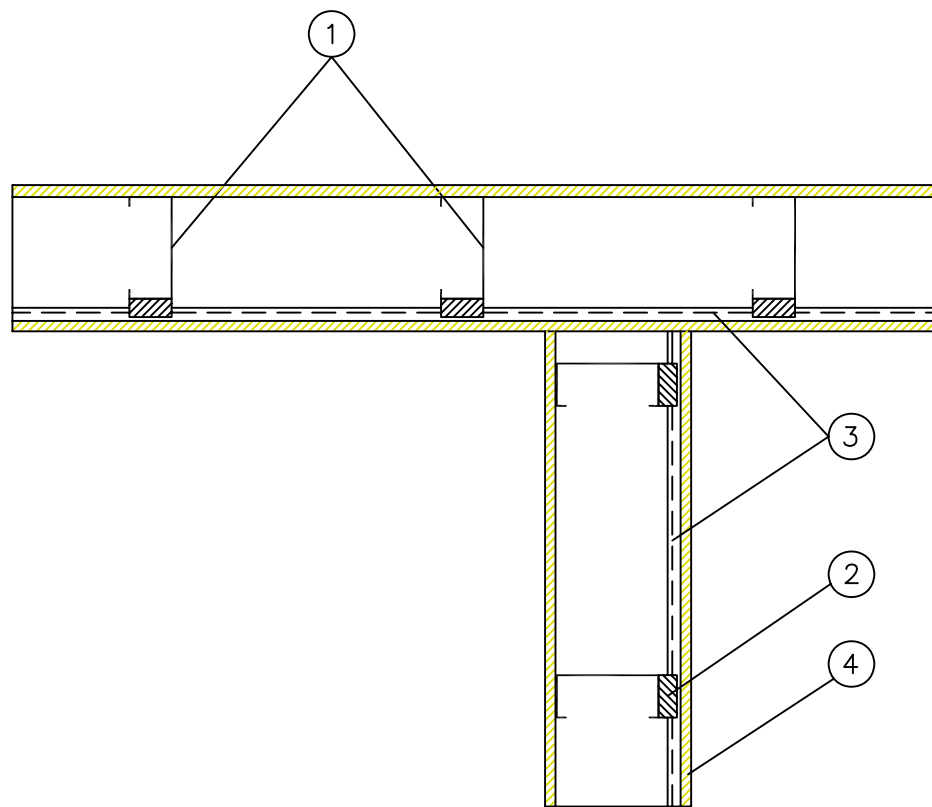


STEEL STUD WALL CORNER JUNCTION

1. STEEL STUD
2. ISOMAX CLIPS (KINETICS NOISE CONTROL)
3. FURRING CHANNEL, 7/8" x 25 GA OR 22 GA
4. GYPSUM WALL BOARD
5. ANGLE 1.5" x 1.5 x 25 GAUGE

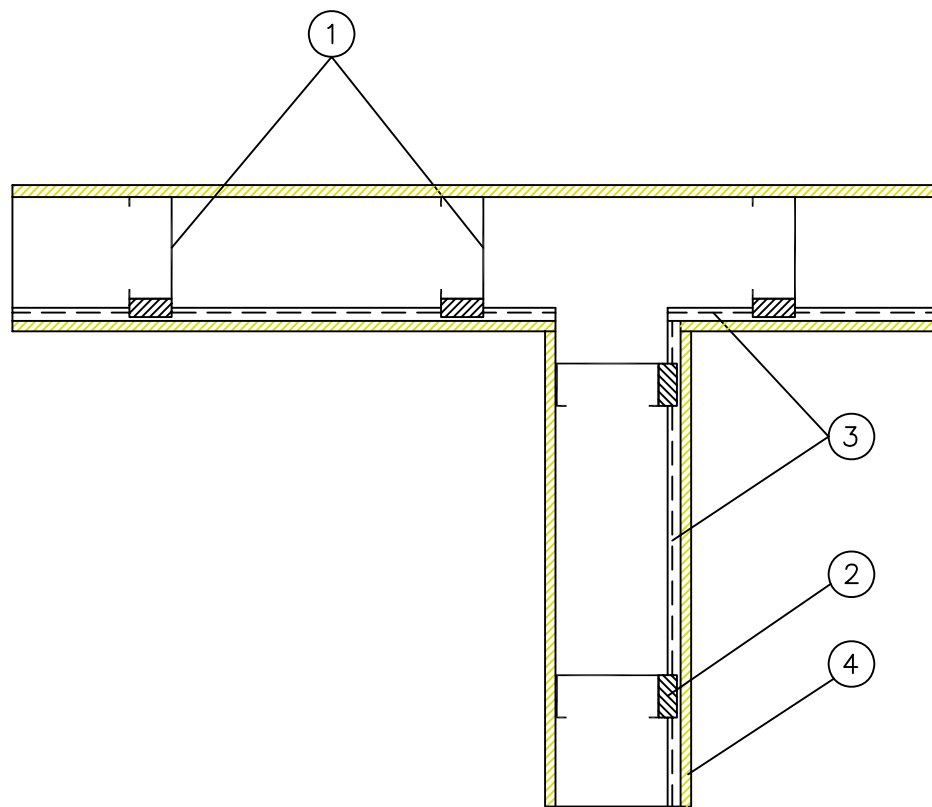


STEEL STUD
WALL INTERSECTION
DETAIL 1, BOTH WALLS ISOLATED



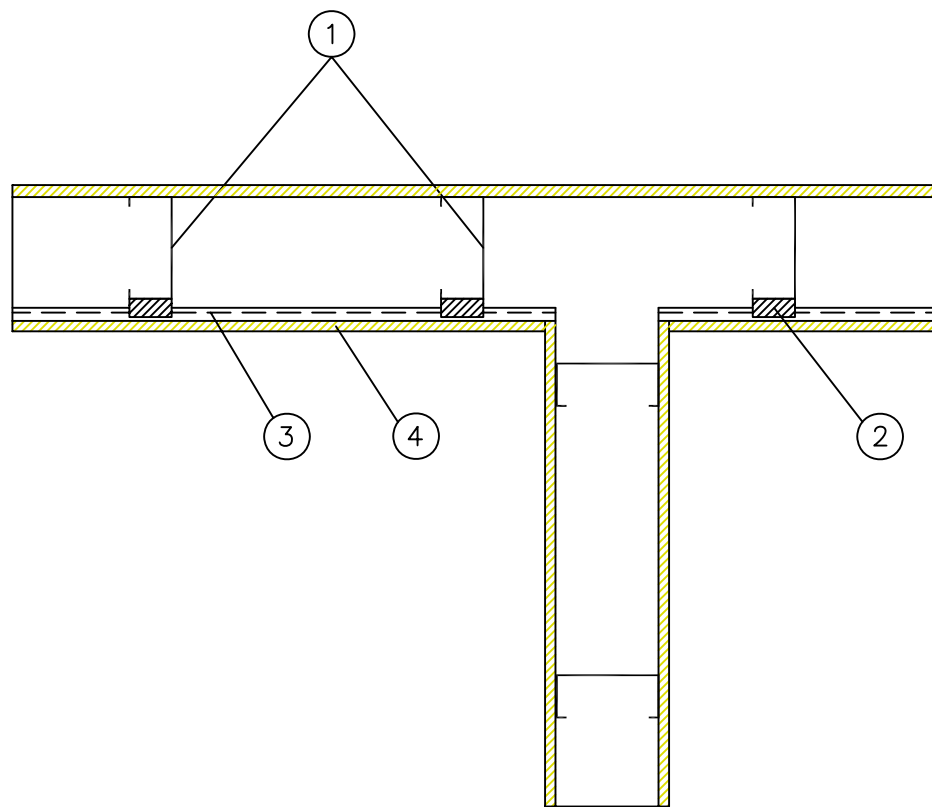
1. STEEL STUD
2. ISOMAX CLIPS (KINETICS NOISE CONTROL)
3. FURRING CHANNEL, 7/8" x 25 GA OR 22 GA
4. GYPSUM WALL BOARD

STEEL STUD
WALL INTERSECTION
DETAIL 2, BOTH WALLS ISOLATED



1. STEEL STUD
2. ISOMAX CLIPS (KINETICS NOISE CONTROL)
3. FURRING CHANNEL, 7/8" x 25 GA OR 22 GA
4. GYPSUM WALL BOARD

STEEL STUD
WALL INTERSECTION
DETAIL 3, ISOLATED WALL
INTERSECTS NON-ISOLATED WALL



1. STEEL STUD
2. ISOMAX CLIPS (KINETICS NOISE CONTROL)
3. FURRING CHANNEL, 7/8" x 25 GA OR 22 GA
4. GYPSUM WALL BOARD