MODEL KSCH SUPER-COMPACT CEILING HANGER

INSTALLATION GUIDELINES

IMPORTANT! PLEASE READ FIRST:

These suggested installation guidelines represent generally accepted procedures for successful installation of Kinetics Noise Control Model KSCH Super-Compact Ceiling Hanger for ceiling system isolation. These suggestions may be followed, modified, or rejected by the owner, engineer, contractor, and/or their respective representative(s) since they, not Kinetics Noise Control, are responsible for planning and executing procedures appropriate to a specific application. Kinetics Noise Control reserves the right to alter these suggestions and encourages contact with the factory or its representatives to review any possible modification to these suggested guidelines prior to commencing installation.

1. Installation of an isolated ceiling system that uses Kinetics Noise Control Model KSCH Super-Compact Ceiling Hangers requires the following materials (as specified by others and purchased separately):

A. 1-1/2" x 1/2", 16-gage cold-rolled channel.
B. 7/8" 20- to 25-gage drywall furring channel.
C. Anchors for mounting into non-isolated ceiling substrate.
D. 1/2" or 5/8" thick gypsum board (Type X).
E. Appropriate tools and equipment for installation.

Please note: If submittal drawings have been prepared for the installation, review drawings for completeness and accuracy; otherwise, refer to Selection Guidelines for selecting ceiling hangers.

2. Mark grid pattern on existing non-isolated ceiling using the following spacing criteria:

A. Isolators installed at the perimeter must be located not more than 16" from the edge of the isolated ceiling; maintain at least a three-inch clearance from the perimeter.
B. Isolators may be located up to 48" along the perimeter of the isolated ceiling.
C. Isolators mounted mid-room (i.e., those isolators not at the perimeter) may be located up to 48" on center each way (o.c.e.w).

Please note: Submittal drawings, if provided, override general location guidelines provided above.

3. Remove Model KSCH Super-Compact Ceiling Hangers from box. **Do not disassemble mounting bracket from unit for installation purposes.** Confirm capacity of isolator to ensure proper location in grid (see chart). If provided, submittal drawings will identify location of

specific hanger by capacity rating. Slide cold-rolled channel through the channel carrier of the isolator. After determining the direction the cold-roll channel will run, locate the isolators at the intersect points on the grid. Use the locating notches and anchor holes on the mounting bracket to align the isolators properly. Anchor isolators to non-isolated ceiling using appropriate fastener at minimum of two (2) locations through the mounting bracket. Position the cold-rolled channel to prevent contact at partition/wall/column or any other non-isolated structural component. Inter-connect ends of cold-rolled channel using appropriate practices for ceiling grid installation.

Model KSCH	Spring Color	Capacity Range (lbs.)	Deflection Range (in.)
30	Blue	21-44	0.32-0.70
60	Gray	35-66	0.32-0.62
100	Silver	70-111	0.32-0.51
140	Green	100-141	0.32-0.45

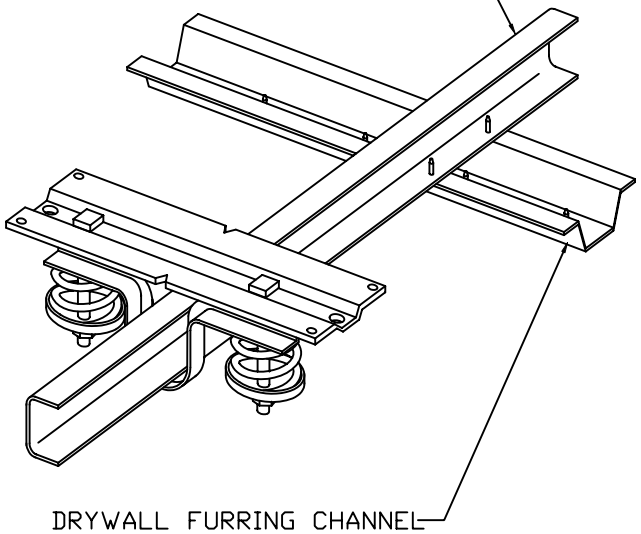
4. Attach drywall furring channel to cold-rolled steel and interconnect the ends of the furring channel using appropriate practices for ceiling grid installation. Furring channel cannot contact non-isolated structural components. Make certain cold-rolled channel is resting on the bottom of the channel carrier bracket and not contacting the mounting bracket.

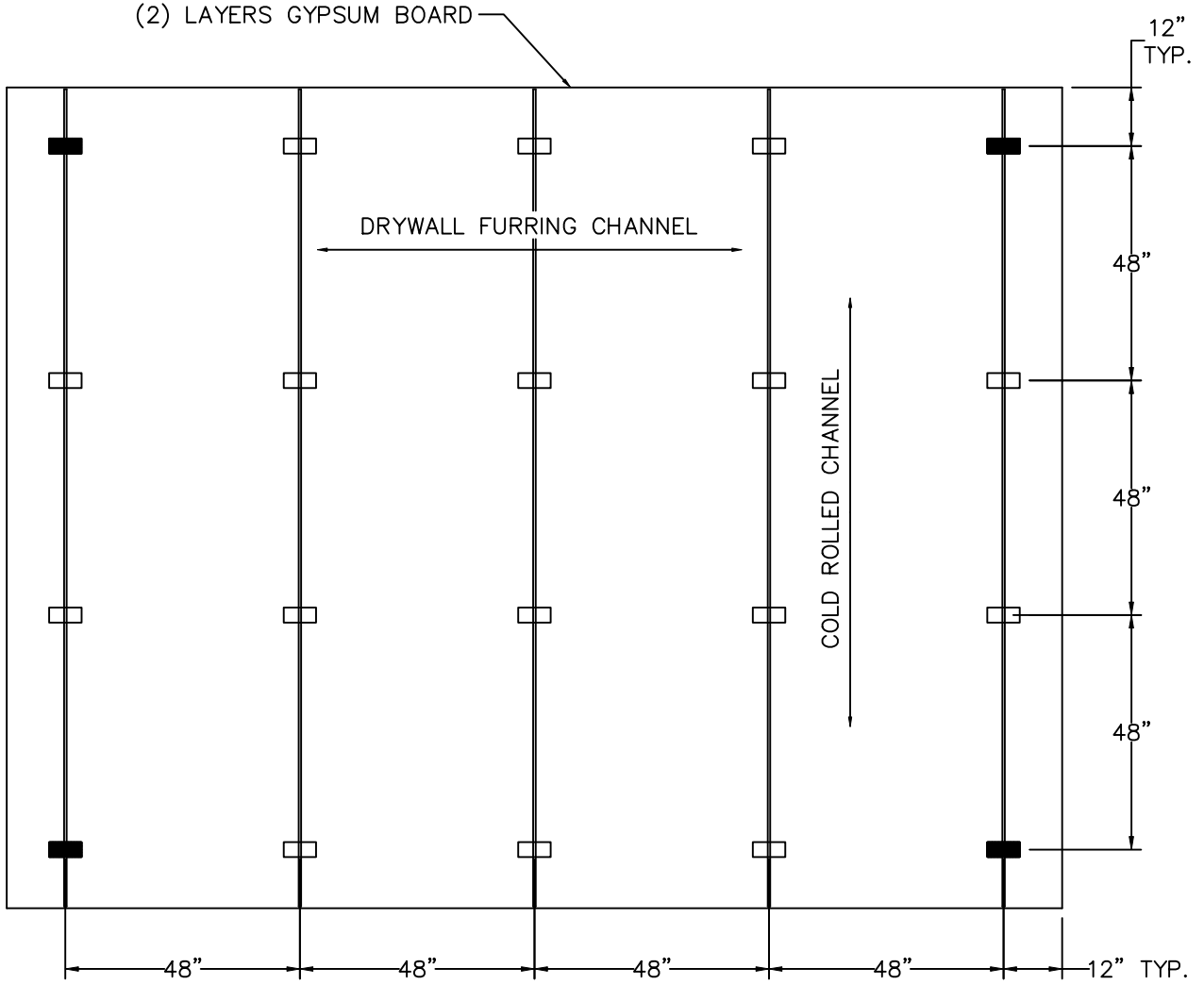
5. After assembling the ceiling grid, check for levelness. By loosening or tightening the nuts on the leveling bolts, the grid adjusts up to 1/4". Shim between the decking and mounting bracket if additional adjustment is required (this may require removal of some of the isolators). Do not bend or twist mounting bracket when shimming and leveling isolator.

6. Install Model SRP perimeter isolation board at partitions/walls, columns, and around any non-isolated building components to create a 3/8” wide resilient layer that ensures the isolated ceiling remains decoupled from the non-isolated structure. As the gypsum board is attached to the grid, the springs will compress (up to 3/4”) allowing the ceiling system to lower into final position. Position the Model SRP to account for this change to final elevation. Trimming the Model SRP may be required following installation of the gypsum board. If an alternate method for ensuring that the isolated ceiling remains decoupled is employed (e.g., using resilient backer rod), be sure to maintain a 3/8” gap from non-isolated structural components.

7. Install the gypsum board using accepted practices for attaching to the grid system. Be certain to maintain a 3/8” gap between non-isolated structural components and the isolated ceiling to ensure that the gypsum board does not contact any non-isolated structural components. Do not allow gypsum board to rest on top edge of Model SRP; it should abut the perimeter isolation board. Do not allow the Model SRP to become compressed against the non-isolated structure. In some cases, additional adjustment of the gypsum board may be necessary to achieve levelness, consult factory for procedures.

8. Trim Model SRP as required and caulk gap using a resilient, non-hardening caulk.





NOTES:

1.) NO CHANNEL SHALL CONTACT PERIMETER AND CREATE A SHORT-CIRCUIT.
2.) ATTACH TWO (2) LAYERS OF 5/8" THICK TYPE "X" GYPSUM BOARD TO DWF.
3.) SEAL EDGES W/ RESILIENT NON-HARDENING CAULK.
4.) ISOLATED CEILING CANNOT BE RIGIDLY ATTACHED TO ANY NON-ISOLATED STRUCTURE.

DRAWING KEY
- MODEL KSCH-60
- MODEL KSCH-100

KINETICS Noise Control

TITLE	LAST DATE REVISED	DRAWN BY	DRAWING NO.
TYPICAL CEILING HANGER LAYOUT MODEL KSCH	10/31/03	TEF	DIAGRAM "A"