

1. PRODUCT NAME

Ready-Hat® flexible furring channel.

2. MANUFACTURER

Radius Track Corporation

9320 Evergreen Boulevard NW, Suite G - Minneapolis, MN 55433

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3. PRODUCT DESCRIPTION

Basic Use

Ready-Hat® is ideal for furring on curved walls, wrapping columns, or to create coves, barrel vaults, groin vaults, soffits and serpentine ceilings. It has a low profile, is economical and easy to form by hand.

Ideal for furring on curved walls or to create coves, barrel vaults, groin vaults, soffits and serpentine ceilings, and to wrap columns, or as cross-framing to eliminate drywall butt joints.

Characteristics

Standard hat channel configuration with factory applied indentations to allow the hat channel to be job-site formed.

Advantages

Ready-Hat® versatile, low profile, economical, furring channel formed by hand on the job-site to exact convex or concave shape. Ready-Hat® furring makes framing curved surfaces fast and easy.

Materials

Cold formed steel conforming to ASTM A653 galvanized steel with G-60 coating 18 and 20 gage.

Size: Standard profile, 7/8 inch depth in 10 foot lengths

Minimum radius capability: 10 to 20 inches.

Design Considerations

Hat Channel Installation is determined by the following:

- The type of sheathing to be installed
- The number and thickness of layers to be installed
- The complexity and tightness of the surface shape; complexity refers to the geometry, either simple, complex or compound. Tightness refers to the radius, tight being very small or flat being very large

Installation

The following guidelines refer to the installation of gypsum or other panel sheet materials such as plywood. These guidelines do not apply to expanded metal lath due to the high level of flexible lath

- For all curved framing systems, the smaller the radius, the closer the members have to be spaced and this is directly related to how hard it is to form the sheathing material



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Gypsum-Sheathed

- The Ready-Hat shall be spaced at 16" or 24" o.c. and supported by rigid supplementary framing every 24" along the length of the Ready-Hat. The spacing of supplementary framing should be measured along the curvature of the Ready-Hat.
- The Ready-Hat shall be sheathed with ½" or 5/8" gypsum wallboard, (1) or (2) layers of 5/16" Type X gypsum wallboard, or (2) layers of ¼" gypsum wallboard attached with #6 drywall screws spaced at 8" o.c. (max) or with an equivalent weight of stucco or traditional plaster (3 psf max).
- Typical installation will support a 5 psf internal wind pressure (positive or negative) and the self-weight of the system when installed in a horizontal, vertical or sloping configuration.
- Review or design by a licensed structural engineer is required for the following conditions:
 1. Any installation that supports any other equipment or any dead load greater than 3 psf.
 2. Any exterior application
 3. For horizontal applications, the attachment of the Ready-Hat to the supporting structure
 4. Any installation other than described above including spans greater than 24".
- Job specific testing is also available for exterior applications and interior applications other than described above.

Lath & Plaster

- Due to ease of curving and forming expanded metal lath, framing spacing up to 48" on center is reasonable.

Delivery

- Delivery and Acceptance:
 1. Verify component are bundles, banded and delivered in fabricator's packaging
 2. Unpack and inspect metal products. Report damage and missing component immediately.
- Storage and Handling:
 1. Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions instructed by the manufacturer.
- Packaging Waste Management
 1. Remove packaging materials from site and dispose of at appropriate recycling facilities.
 2. Collect and separate for disposal with other recyclable packaging materials.
 3. Store collected packaging materials for recycling.

Availability and Cost

- Our Ready-Hat is available in 7/8" x 1/4" hat channel in 10 foot pieces. It can be purchased through your local distributor. They will be able to provide you your pricing for the Ready-Hat product.

Technical Services

- For technical assistant please contact us here via phone (763-795-8885), email (info@radiustrack.com) or website under "Contact us" and "submit a question" (www.radiustrack.com).



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January 22, 2016

Mr. Chuck Mears
Radius Track Corporation
9320 Evergreen Blvd # G
Minneapolis, MN 55433

RE: Ready-Hat Interior Framing

Dear Mr. Mears,

This letter is to address the structural capacity of the Ready-Hat product produced by your company for use in interior framing applications.

Typical installation: The Ready-Hat shall be spaced at 16" or 24" o.c. and supported by rigid supplementary framing every 24" along the length of the Ready-Hat. The spacing of supplementary framing should be measured along the curvature of the Ready-Hat. The Ready-Hat shall be sheathed with 1/2" or 5/8" gypsum wallboard, (1) or (2) layers of 5/16" Type X gypsum wallboard, or (2) layers of 1/4" gypsum wallboard attached with #6 drywall screws spaced at 8" o.c. (max) or with an equivalent weight of stucco or traditional plaster (3 psf max).

The typical installation will support a 5 psf internal wind pressure (positive or negative) and the self-weight of the system when installed in a horizontal, vertical or sloping configuration.

Review or design by a licensed structural engineer is required for the following conditions:

1. Any installation that supports any other equipment or any dead load greater than 3 psf.
2. Any exterior application.
3. For horizontal applications, the attachment of the Ready-Hat to the supporting structure shall be reviewed.
4. Any installation other than described above including spans greater than 24".

Job-specific testing is also available for exterior applications and interior applications other than described above.

Sincerely,



Timothy P. Earney, PE
Senior Structural Project Engineer.