




Tom Newton

**North American Insulation
Manufacturers Association**

A close-up photograph of a person's hand, with the index finger pointing towards the left side of the frame. The hand is resting on a set of architectural blueprints, which are partially visible at the bottom left. The blueprints show various lines, circles, and text, typical of a technical drawing. The background is a solid light blue color.

NAIMA is an association of fiber glass, rock and slag wool manufacturers dedicated to producing quality insulation products that meet builder and homeowner needs and are installed correctly to deliver the desired thermal performance.

A close-up of a person's hand, with the index finger pointing towards the text. The hand is resting on a blue-tinted architectural drawing or blueprint, which shows various lines and technical details. The background of the slide is a light blue gradient.

NAIMA was formed in 1933.

A close-up photograph of a person's hand, with the index finger pointing towards a blue architectural blueprint. The blueprint shows various lines, circles, and text, including the word "HOUSE" and some numbers. The hand is positioned on the left side of the frame, partially obscuring the blueprint.

Members

- CertainTeed
- Fibrex
- Johns Manville
- Knauf
- Owens Corning
- Rock Wool Manufacturing
- Roxul
- ThermaFiber

A close-up photograph of a person's hand, with the index finger pointing towards the bottom left corner of the slide. The hand is resting on a blue-tinted architectural blueprint that shows various lines and technical drawings. The background of the slide is a light blue gradient.

Product Quality

- The four fiber glass manufacturers participate in the NAHB-RC Certification and Labeling Program.
- Most plants are ISO 9000 certified.

Installation

- Publishes the industry standards for installing fiber glass insulation.

A close-up photograph of a person's hand, with the index finger pointing down towards a set of architectural blueprints. The blueprints are spread out on a surface, showing various lines, circles, and text. The hand is positioned on the left side of the frame, and the blueprints occupy the bottom left corner.

Installation

- Assisted in the development of the NAHB-RC Insulation Contractor Certification Program.

A close-up photograph of a person's hand, with the index finger pointing down towards a set of architectural blueprints. The blueprints are spread out on a surface, showing various lines, circles, and text. The hand is positioned on the left side of the frame, partially obscuring the blueprints.

Certified Contractor Program

- Contractor establishes a quality program based on ISO 9000.
- Initial office and field audit.
- Semi-annual audits.
- Contractor pays initial and quarterly fees to participate.

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Installation

- NAHB-RC contractor certification.
- Worked with ICAA to develop a comprehensive quality program for ICAA members.
- Currently working with ICAA to develop a National Installer Certification Program.

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Manufacturer Support


- Sales people assisting in contractor training programs.
- Provide training videos.
- Provide training manuals.
- Make presentations to local HBAs and code officials.

A close-up photograph of a person's hand, with the index finger pointing towards the bottom left corner of the frame. The hand is resting on a blue-tinted architectural blueprint, which shows various lines, circles, and handwritten notes. The background of the slide is a solid light blue color.

NAIMA and Insulation Inspections

Thirteen Common Insulation Errors



A close-up of a person's hand, with the index finger pointing towards the text. The hand is resting on a blue-tinted architectural blueprint that shows various lines and technical drawings. The background of the slide is white with a light blue header bar at the top.

**Survey of three
organizations who perform
hundreds of insulation
inspections a year.**

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Tucked Batts

Application: Vapor retarder facing should be applied toward heated space (living space) of dwelling.
Warning: Vapor retarder facing is flammable and should not be left exposed. Special care should be taken when working close to facing or open flame.

A close-up of a person's hand, with the index finger pointing towards the bottom left corner of the frame. The hand is resting on a blue-tinted architectural drawing or blueprint, which shows various lines and technical details. The background of the slide is a light blue gradient.

Short Batts

MJ

4-11-14

OK



Application: Vapor retarder facing should be applied toward heated area (living space) of dwelling.

Warning: Vapor retarder facing is flammable.

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Attic Cards

CertainTeed® Builders Statement

InsulSafe® 4 Fiber Glass Blowing Insulation

100
100

Homeowner Name / Job Site Name

Home Address

Installer/Contractor (sign)

Company Name

Date

Builder (sign)

Company Name

Date

Inspected By (sign if required)

Date

R-VALUE	BAGS PER 1000 SQ. FT.	MAXIMUM SQ. FT. PER BAG	MINIMUM WEIGHT-POUNDS PER SQ. FT.	INSTALLED MINIMUM THICKNESS
To obtain a Thermal Resistance (R) of	Bags per 1000 sq. ft. of net area	Coverage of bag should not lower more than (sq. ft.)	Weight per sq. ft. of installed insulation should not be less than (lb/sq. ft.)	Thickness may be less than (in.)
60	36.6	27	0.366	32
40	29.6	34	0.690	18 1/2
30	26.6	39	0.712	16 1/2
20	22.6	43	0.815	14 1/2
15	18.0	50	0.880	12
10	15.0	60	0.818	10 1/2
8	13.1	77	0.852	9
6	11.1	90	0.901	7 1/2
4	9.7	120	0.909	6 1/2
3	8.8	133	0.919	4 1/2

	R-VALUE	THICKNESS	AREA (SQ. FT.)	INSULSAFE # (sq')	BAGS USED	BATTS/ROLLS (sq')
Ceilings						
Walls						
Floors						

THERMAL PERFORMANCE—ATTIC BLOWING APPLICATION

- In accordance with the chart above, you must install the minimum number of bags per 1,000 sq. ft. of net area for each R-Value listed.
- The maximum net coverage must not exceed that specified for each R-Value.
- The installed insulation must be at or above the specified minimum thickness for each R-Value.
- Failure to install the required minimum weight per sq. ft. of insulation at or above the minimum thickness will result in reduced R-Value.
- This product should not be mixed with other blown insulations or the thermal claims will become invalid.

DANGER: RECESSED LIGHT FIXTURES—TO PREVENT OVERHEATING, DO NOT INSULATE ON TOP OR WITHIN 3" OF SUCH DEVICES. DOES NOT APPLY TO TYPE IC LIGHT FIXTURES OR TO FLUORESCENT FIXTURES WITH THERMALLY PROTECTED BALLASTS.

A close-up of a person's hand, with the index finger pointing towards the bottom left corner of the frame. The hand is positioned over a blue-tinted electrical blueprint, which shows various circuit diagrams and components. The background is a solid light blue color.

Electrical Boxes

Speed H





Plumbing

CertainTe

It should be applied over existing insulation or between wood framing and chimney, flue and similar heat sources, facing should be removed. To prevent overheating of recessed light fixtures, do not insulate on top of or within 2" of such devices. This warning does not apply to IC type light fixtures.

Made by CertainTeed Corporation, P.O. Box 500,
Greenville, South Carolina 29615-0500

24
1/4
3

HP



Wiring

Vapor retarder facing should be applied to the exterior area (living space) of dwelling.

Warning: Vapor retarder facing is flammable and should not be left exposed. Special care should be taken when working close to facing with open flame.

If material is applied over existing insulation or between wood framing and chimneys, flues and similar heat sources, facing should be removed. To prevent overheating of recessed light fixtures, do not insulate on top of or within 3" of such devices. This warning does not apply to IC type light fixtures.

Mfd. by CertainTeed Corporation, P.O. Box 860
Valley Forge, Pa. 19482 (610) 341-7000
8/00

CertainTeed

A close-up of a person's hand, with the index finger pointing towards the bottom left corner of the frame. The hand is resting on a blue-tinted architectural drawing or blueprint, which shows various lines and technical details. The background is a solid light blue.

Attic Rulers

14

12 R-30 →

10

8 R-19 →

6

4 R-11 →

2

A hand is visible on the left side of the slide, pointing with the index finger towards a technical drawing. The drawing is a blue-lined schematic on a light background, showing various geometric shapes and lines, possibly representing a mechanical part or a circuit layout. The hand is positioned vertically, with the finger pointing downwards and slightly to the right.

Narrow Cavities

Speedy Speedy

+

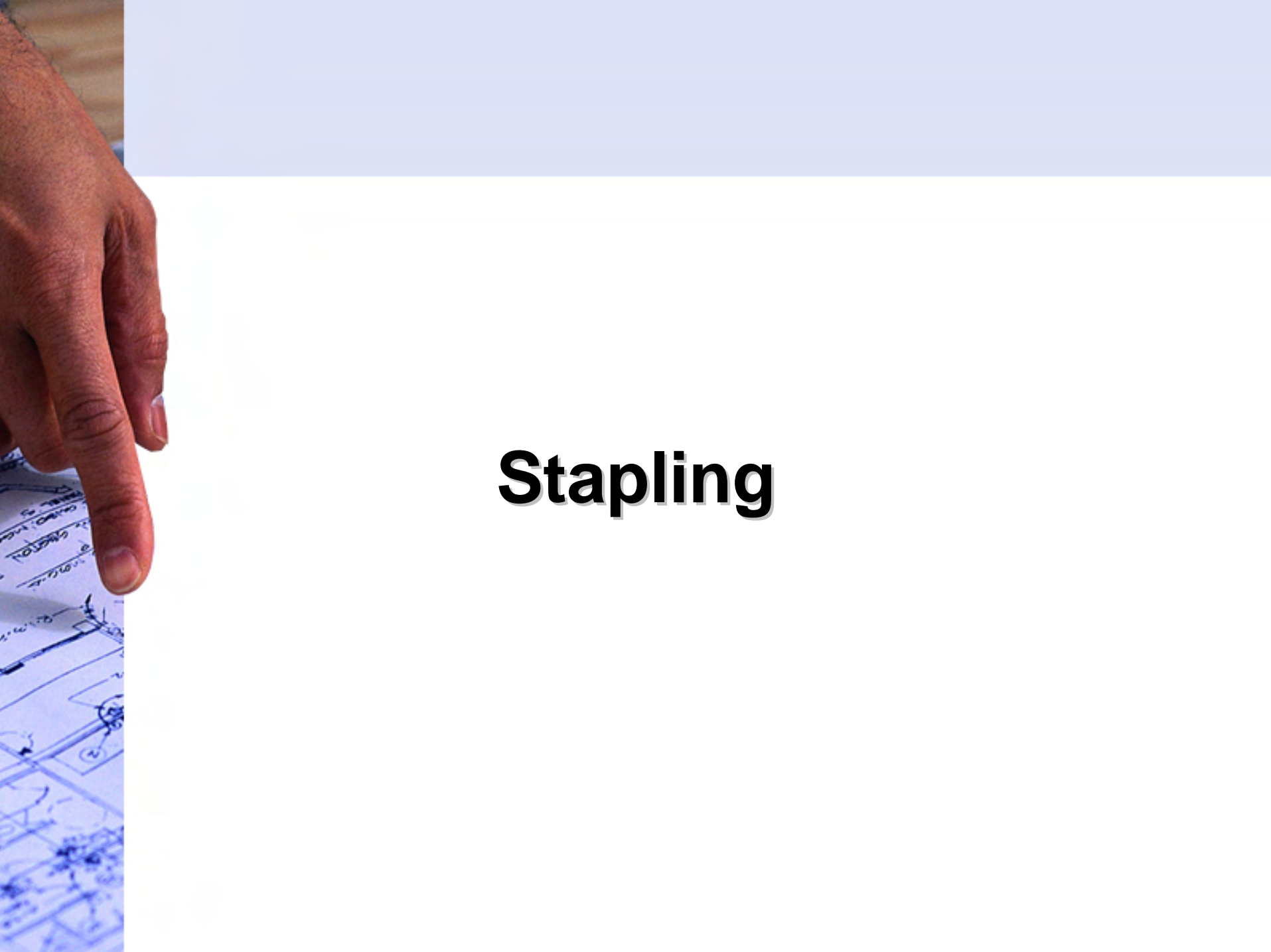
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Compression

inteed H

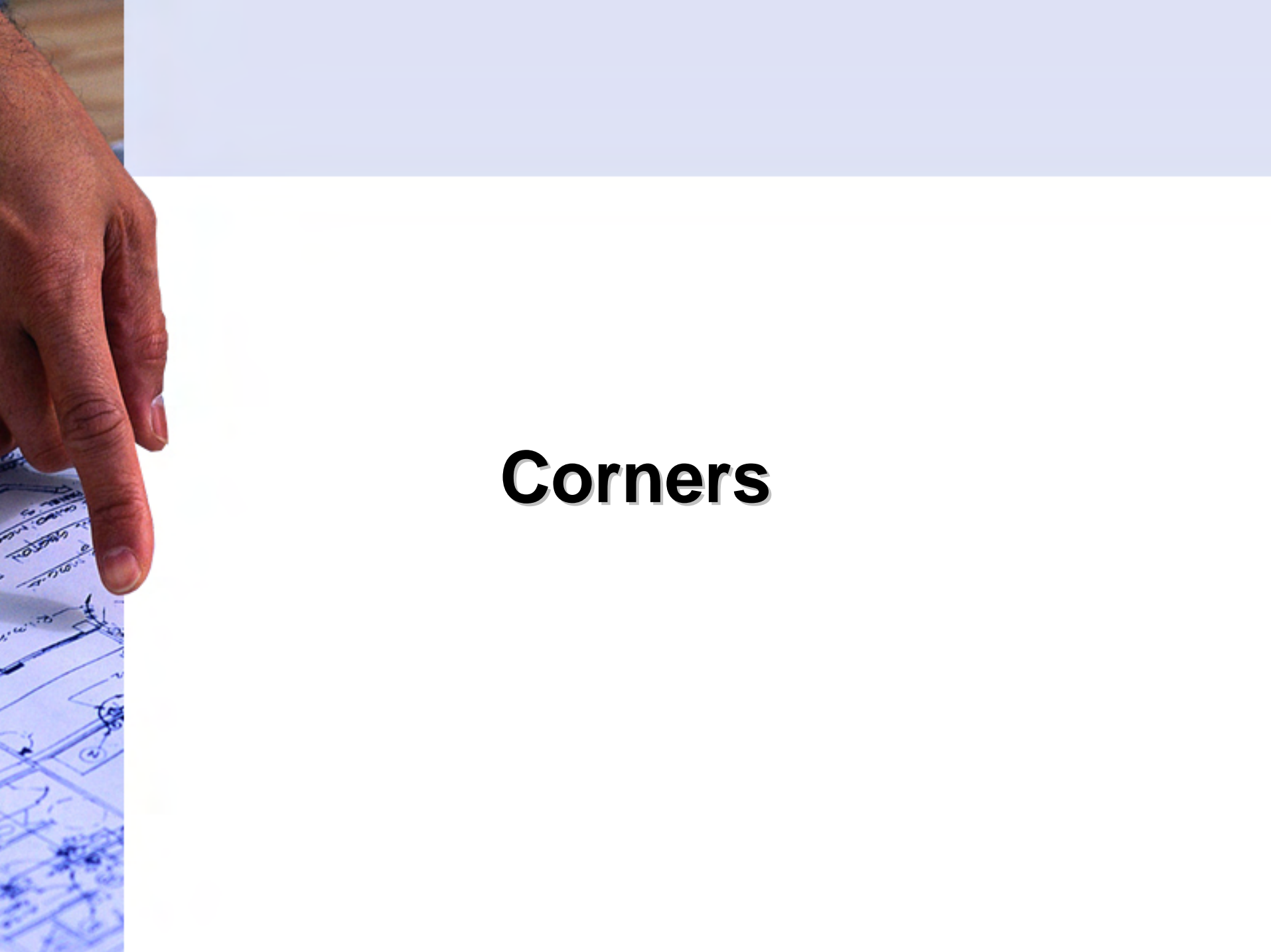
inteed H

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and by CertainTeed Corporation, P.O. Box 860 Valley Forge, Pa. 19482 (610) 341-7000
800



Stapling





Corners

148 STUD
NLGA R 1/4



148 S-P-F
KD-HT
STUD
NLGA R 1/4

INSTRUC
AVAILABLE BY
800-523

D

20

MAY

A close-up of a person's hand, with the index finger pointing towards the bottom left corner of the frame. The hand is resting on a blue-tinted architectural blueprint that shows various lines, circles, and text. The background of the slide is white with a light blue header bar at the top.

Around Tubs

AUTO TUB LINE
NORTH LINE
DATE: 07/20/04
SHIFT = 3
TUB # 79

A hand is visible on the left side of the slide, pointing with the index finger towards a technical drawing. The drawing is a blue-lined schematic on a light background, showing various geometric shapes and lines, possibly representing a mechanical or structural design. The hand is positioned vertically, with the finger pointing downwards and slightly to the right.

Voids

CertainTeed

A close-up of a person's hand pointing with their index finger at a blue architectural blueprint. The blueprint shows various lines and text, including the word "FLOOR" and some handwritten notes. The hand is positioned on the left side of the frame, with the finger pointing towards the center.

Others

- Floor Insulation
- Insulation over top plates
- No baffles
- Missing blockers between floors
- Knee walls
- Band joists
- Improper vapor retarder
- Crawlspaces

A close-up of a person's hand, with the index finger pointing down towards a blue architectural drawing or blueprint. The drawing shows various lines, circles, and text, typical of a technical plan. The background is a light blue gradient.

How Do You Avoid?

A close-up photograph of a person's hand, with the index finger pointing towards the bottom left of the frame. The hand is resting on a set of architectural blueprints, which show various lines, circles, and text. The background of the slide is a light blue gradient.

What Builders Should Know

- Be selective on hiring an insulation contractor.
- Beware of the lowest bids.
- Does the insulator have a quality and/or training program?
- Begin an inspection program.

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Use Available Materials

- ICAA Program
- NAHB-RC Program
- Manufacturer Program

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Speed Kills

A close-up of a person's hand, with the index finger pointing down towards a blue architectural drawing or blueprint. The drawing contains various lines, circles, and text, though it is partially obscured by the hand. The background is a solid light blue.

Questions?

A close-up photograph of a person's hand, with the index finger pointing down towards a blue architectural drawing or blueprint. The drawing contains various lines, circles, and text, though it is partially obscured by the hand. The background of the slide is a light blue gradient.

Thank You!