

Product Report

Manufacturer: Golden Giant, Inc.

13300 South Vision Drive

Kenton, Ohio 43326

(419) 674-4038

Florida Product Approval #3896.1 24GA Rib Panel over Open Framing

HVHZ

**Compliant with Florida Building Code 2023 8th ed. Compliant with Florida
Product Approval Rule # 61G20-3 Quality Assurance Compliant:
Farabaugh Engineering & Testing Compliant with ASCE 7-22**

Method 1-D**Product: 24GA Rib Panel over Open Framing (Structural Application)****Min. Thickness: .024" Yield strength: 50 ksi min. 36" Coverage****1-1/4" tall rib @ 12" o.c.****Substrate: min. 16GA steel framing****Fastener: #12-14 HWH SD w/ sealing washer or approved equal****Panel side laps to be fastened together w/ 1/4-14 x 7/8" HWH SD w/ sealing washer at 30" o.c.****ALL Fasteners shall be corrosion resistant compliant per FBC 2023 8th ed.****Continuous tape seal for slopes less than 3:12****Slope 3/4:12 min. Slope shall comply w/ FBC 2023 8th****ed. Paint Coating: (Optional) Akzo Nobel's Polydure, Ceram-A-Star, Trinar Coating or BASF Superl SP II Ultra-Cool Coating****Install per manufacturer's details, RAS 133, and in compliance with FBC 2023 8th ed.****Fire Barrier having a current NOA - Compliant with ASCE 7-22**

Install Details: Table A	Allowable Loads		
DESIGN PRESSURE*		-52.5 PSF	-190.0 PSF
FASTENER SPACING		5' o.c.	2' o.c.

Reference Data:

Force Engineering & Testing (TST-5328)

125-0182T-07 A,D

TAS 125-03/ASTM E 1592-01¹

Farabaugh Engineering & Testing (TST-1654)

T277-07

FM 4471 Appendix G²

Farabaugh Engineering & Testing (TST-1654)

T276-07

TAS 201-94

PRI Asphalt Technologies

TAS 110-00: G 26/B 117

Force Engineering & Testing (TST-5328)

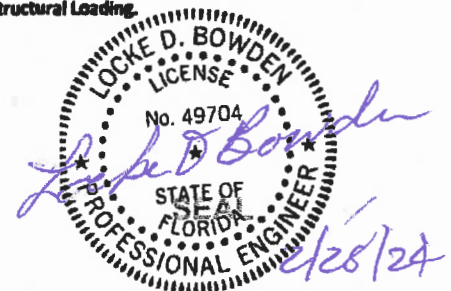
125-0101T-12 A

FM 4471-10²**1. ASTM E 1592-01 test standards are equivalent to ASTM E 1592-17 test standards.****2. FM 4471-10, Appendix G test standards are equivalent to FM 4471-92 test standards.****Limitations:**

1. Underlayment to be compliance with current Florida Building Code (FBC) 2023 8th ed. see Chart 1507.1.1
2. Minimum slope to be compliant with Florida Building Code 2023 8th ed., and per with Manufacturer's installation reference.
3. Products are compliant with State of Florida product approval per Rule 61G20-3. Compliance Method: 1-D
4. Engineering analysis for "project specific approval by local authorities w/jurisdiction is allowed by other registered engineers.
5. Fire classification is not part of this acceptance. Shear diaphragm values are outside this report.
6. Support framing in compliance w/FBC 2023 8th ed., Chapter 22 Steel, Chapter 23 Wood and Chapter 16 Structural Loading.
7. This report does not imply warranty, installation, recommended product use outside of this report.

Certificate of Independence:

Locke Bowden P.E. is not owned, operated, or controlled by any Company, Manufacturing or Distributing products under this report. Locke Bowden P.E. does not have, nor will acquire a financial interest in any Company manufacturing or distributing products under this Evaluation.



Product Report

Manufacturer: Golden Giant, Inc.

13300 South Vision Drive

Kenton, Ohio 43326

(419) 674-4038

Florida Product Approval #3896.2 26GA Rib Panel over Open Framing

Non-HVHZ

**Compliant with Florida Building Code 2023 8th ed. Compliant with Florida
Product Approval Rule # 61G20-3 Quality Assurance Compliant:
Farabaugh Engineering & Testing Compliant with ASCE 7-22**

Method 1-D**Product: 26GA Rib Panel over Open Framing (Structural Application)****Min. Thickness: .19"****Yield strength: 50 ksi min.****36" Coverage****1-1/4" tall rib @ 12" o.c.****Substrate: min. 16GA steel framing**

**Fastener: #12-14 HWH SD w/ sealing washer or approved equal, fastening pattern: 8"-4"-8"-4"-8" Panel
side laps to be fastened together w/ X-14 x 7/8" HWH SD w/ sealing washer at purlin and mid span ALL
Fasteners shall be corrosion resistant compliant per FBC 2023 8th ED.**

Continuous tape seal for slopes less than 3:12**Slope shall comply w/ FBC 2023 8th ED.****Paint Coating: (Optional)****Install per manufacturer's details, RAS 133, and in compliance with FBC 2023 8th ED.**

Install Details: Table A	Allowable Loads	
DESIGN PRESSURE*	-50 PSF	+41 PSF
FASTENER SPACING	4' o.c.	4' o.c.

Reference Data:

Force Engineering & Testing (TST-5328)

125-0101T-12 A

FM 4471-10¹

Force Engineering & Testing (TST-5328)

125-0349T-06

ASTM E 1592-01²**1. FM 4471-10 test standards are equivalent to FM 4471-92 test standards.****2. ASTM E 1592-01 test standards are equivalent to ASTM E 1592-17 test standards.****Limitations:**

1. Underlayment to be compliance with current Florida Building Code (FBC) 2023 8th ed. see Chart 1507.1.1
2. Minimum slope to be compliant with Florida Building Code 2023 8th ed., and per with Manufacturer's installation reference.
3. Products are compliant with State of Florida product approval per Rule 61G20-3. Compliance Method: 1-D
4. Engineering analysis for "project specific approval by local authorities w/ jurisdiction is allowed by other registered engineers.
5. Fire classification is not part of this acceptance. Shear diaphragm values are outside this report.
6. Support framing in compliance w/ FBC 2023 8th ed., Chapter 22 Steel, Chapter 23 Wood and Chapter 16 Structural Loading.
7. This report does not imply warranty, installation, recommended product use outside of this report.

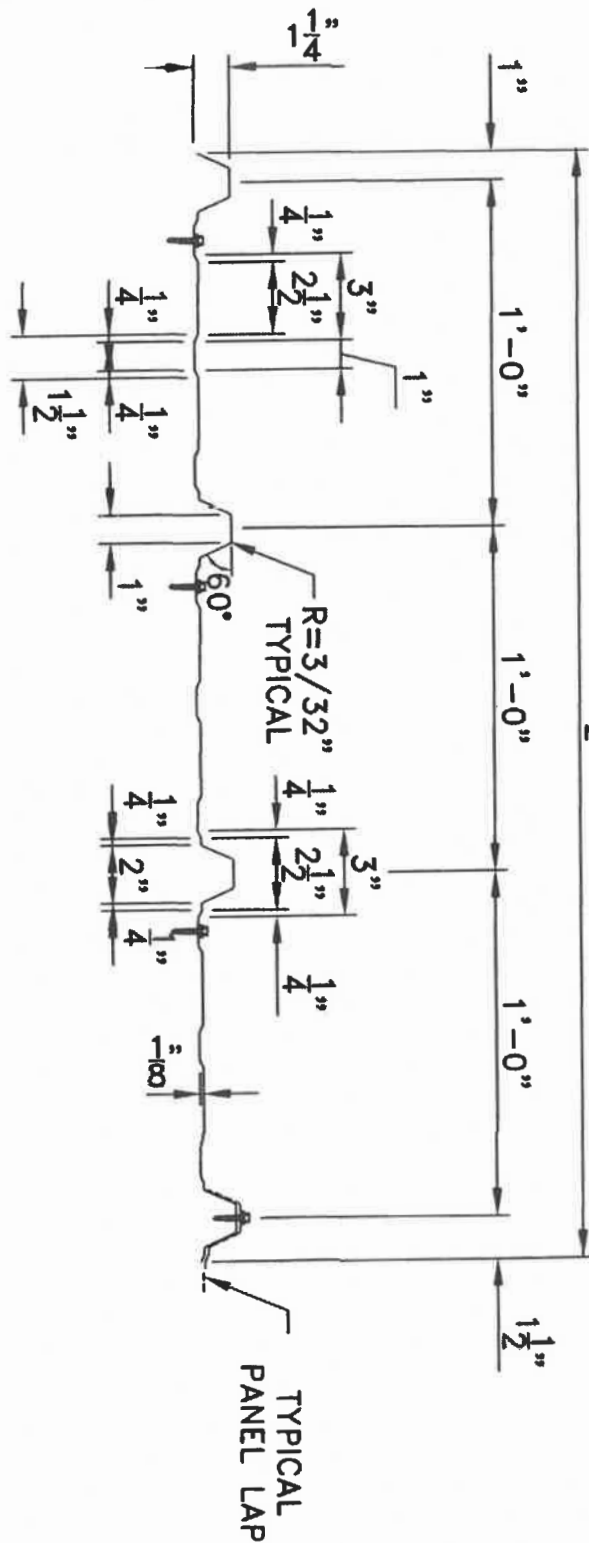
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manufacturing or distributing products under this report.**



OUTSIDE FACE
OF PANEL
3'-2 $\frac{1}{2}$ "



24 GA GOLDEN GIANT RIB PANEL
FOR USE IN HVHZ AND NON-HVHZ ZONES

24 GA GOLDEN GIANT RIB
PANEL PROFILE
FPA# 3896.1



DATE: _____
DRAWN BY: _____
JOB NO. _____
SHEET _____

NOTE: SOME BUILDINGS MAY HAVE MORE FRAME LINES THAN WHAT ARE SHOWN. ALL INTERMEDIATE TEK SCREW POSTIONS ARE TYPICAL AS SHOWN.

USE (6) #12-14 TEK SCREWS
AT THE CENTERLINE OF
THE PEAK PURLIN.

USE (3) #12-14 TEK SCREWS
AT THE CENTERLINE OF
EACH PURLIN.

USE (3) #12-14 TEK SCREWS
AT THE CENTERLINE OF
EACH PURLIN.

USE 7/8" X 40'0" ROLLED ROOF
TAPE ON THE UNDERLAPPING RIB
OF EACH ROOF PANEL.

USE (6) #12-14 TEK SCREWS
AT THE CENTERLINE OF THE
EAVE STRUT.

USE (1) 1/4-14 STITCH
TEK SCREW AT EACH
PURLIN OR A MAXIMUM
30" SPACING

USE (1) 1/4-14 STITCH
TEK SCREW AT EAVE
STRUT

"INTERIOR ZONE CONDITION"
ROOF PANEL TEK POSITION
DETAIL (24 GA GOLDEN GIANT RIB)
FOR USE IN HVHZ AND NON-HVHZ ZONES

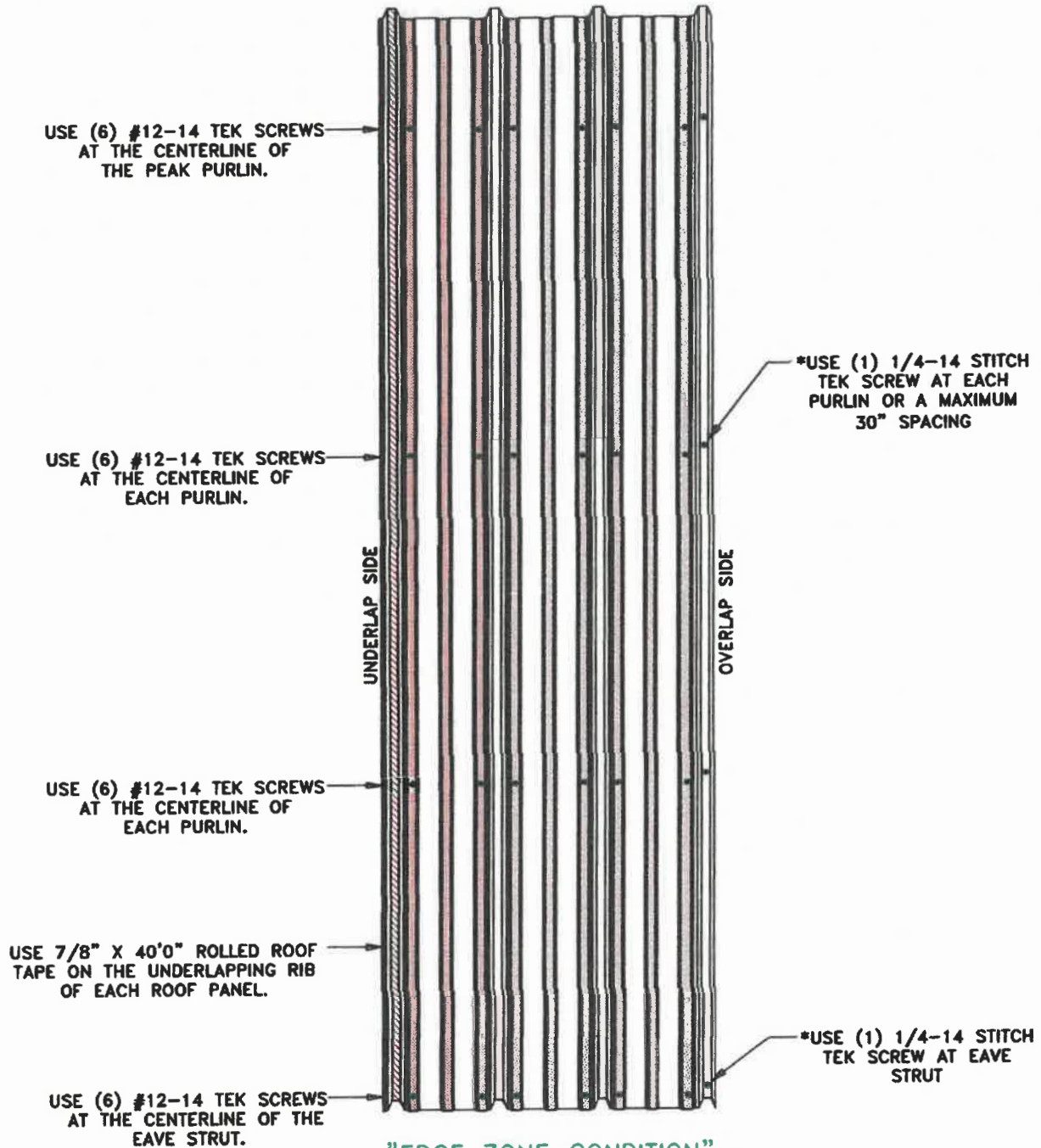
SHEET
JOB NO.
DRAWN BY:
DATE:

GOLDEN GIANT
BUILDING
Sponsoring the Gap
13300 S. Vaden Drive
P.O. Box 388
Kankakee, OH 43328
www.goldengiant.com
office: 419-674-4038
office: 800-628-1209
fax: 419-673-1384

INTERIOR ZONE PANEL
TEK DETAIL (24 GGRIB)

FPA# 3896.1

NOTE: SOME BUILDINGS MAY HAVE MORE FRAME LINES THAN WHAT ARE SHOWN. ALL INTERMEDIATE TEK SCREW POSTIONS ARE TYPICAL AS SHOWN.



"EDGE ZONE CONDITION"
ROOF PANEL TEK POSITION
DETAIL (24 GA GOLDEN GIANT RIB)
FOR USE IN HVHZ AND NON-HVHZ ZONES

SHEET

JOB NO.

DRAWN BY:

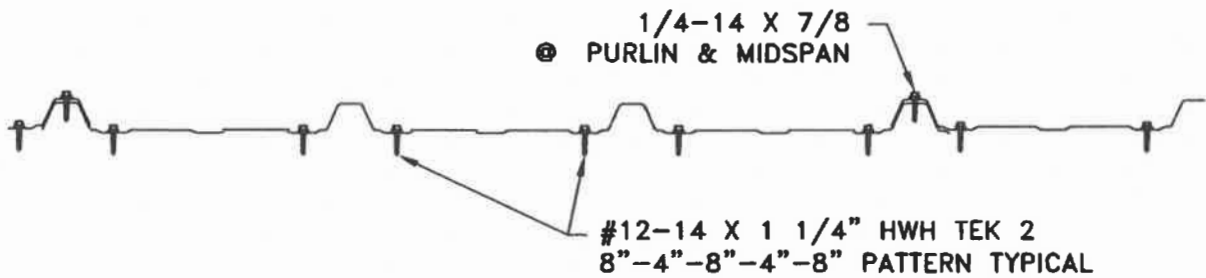
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EDGE & END ZONE PANEL
 TEK DETAIL (24 GGRIB)

FPA# 3896.1

26GA Golden Giant Rib Panel NON-HVHZ



FASTENER PATTERN

SHEET

JOB NO.

DRAWN BY:

DATE:

 GOLDEN BUILDING SYSTEMS	 IAN T BUILDING SYSTEMS
13300 S. Vaden Drive P.O. Box 389 Kenton, OH 43326 www.goldengiant.com	
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**FASTENER
PATTERN
(26 GGRIB)**