

FPUP # P17FC00605

DSD # P17BP06026

# ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A - PROPERTY INFORMATION				FOR INSURANCE COMPANY USE	
A1. Building Owner's Name L&W Supply Corporation				Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2310 West Gardner Lane				Company NAIC Number:	
City Tucson		State Arizona		ZIP Code 85705	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Taxcode: 103-06-089C    Township 13    Range 13    Section 21    IRR PORTION SW4 SE4 3.54 AC FW					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) _____					
A5. Latitude/Longitude: Lat. <u>32.282453</u> Long. <u>-111.017030</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983					
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance. <small>Pima County Regional Flood Control District requires four (4) photographs</small>					
A7. Building Diagram Number <u>1B A</u>					
A8. For a building with a crawlspace or enclosure(s):					
a) Square footage of crawlspace or enclosure(s) <u>1160.00</u> sq ft					
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>6</u>					
c) Total net area of flood openings in A8.b <u>1200.00</u> sq in					
d) Engineered flood openings? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
A9. For a building with an attached garage:					
a) Square footage of attached garage <u>N/A</u> sq ft					
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>N/A</u>					
c) Total net area of flood openings in A9.b <u>N/A</u> sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No					
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number Pima County / 040073			B2. County Name Pima County		B3. State Arizona
B4. Map/Panel Number 04019C1667	B5. Suffix <u>L</u>	B6. FIRM Index Date 09/28/2012	B7. FIRM Panel Effective/ Revised Date 06-16-2011	B8. Flood Zone(s) X	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 102.0
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input checked="" type="checkbox"/> Other/Source: <u>Special Study 02 Ruthrauff Basin Management Plan</u>					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input checked="" type="checkbox"/> Other/Source: <u>Highest Adjacent Natural Grade (=100.0 ft)</u>					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

**ELEVATION CERTIFICATE**

OMB No. 1660-0008  
Expiration Date: November 30, 2018

<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			<b>FOR INSURANCE COMPANY USE</b>
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2310 West Gardner Lane			Policy Number:
City Tucson	State Arizona	ZIP Code 85711	Company NAIC Number

**SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)**

C1. Building elevations are based on:  Construction Drawings\*  Building Under Construction\*  Finished Construction  
\*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO. Complete Items C2.a–h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: Highest Adjacent Natural Grade Vertical Datum: Local

Indicate elevation datum used for the elevations in items a) through h) below.

NGVD 1929  NAVD 1988  Other/Source: Local / Highest Adjacent Natural Grade = 100.00 ft

Datum used for building elevations must be the same as that used for the BFE.

Check the measurement used.

- a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 100.04  feet  meters
- b) Top of the next higher floor N/A  feet  meters
- c) Bottom of the lowest horizontal structural member (V Zones only) N/A  feet  meters
- d) Attached garage (top of slab) N/A  feet  meters
- e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) N/A  feet  meters
- f) Lowest adjacent (finished) grade next to building (LAG) 99.50  feet  meters
- g) Highest adjacent (finished) grade next to building (HAG) 100.00  feet  meters
- h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support N/A  feet  meters

**SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION**

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Were latitude and longitude in Section A provided by a licensed land surveyor?  Yes  No  Check here if attachments.

Certifier's Name Alan W. Stephens	License Number RLS 13187	<p>EXR 6/30/19</p> <p>Alan W. Stephens</p>	
Title President			
Company Name Hawkeye Land Surveying			
Address 6269 East 2nd Street			
City Tucson	State Arizona	ZIP Code 85711	
Signature <i>Alan W. Stephens</i>	Date 12-20-2017	Telephone (520) 296-6173	Ext.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including type of equipment and location, per C2(e), if applicable)  
The lowest service equipment (C3.e) is the N/A and the N/A is/are above this elevation.  
Highest adjacent natural grade is 100.0 Lowest adjacent natural grade is 99.5  
For manufactured homes only: The elevation of the bottom of the lowest horizontal structural member is \_\_\_\_\_  
For additions: The finished floor elevation of the original existing structure is \_\_\_\_\_. The information shown in Section A8 is the enclosed portion of the new structure. The rest of the structure has an open front.

## BUILDING PHOTOGRAPHS

OMB No. 1660-0008  
Expiration Date: November 30, 2018

### ELEVATION CERTIFICATE

See Instructions for Item A6.

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City Tucson	State Arizona	ZIP Code 85705	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.



Photo One Caption    LOOKING AT NE COR FROM REAR OF BLDG

Clear Photo One



Photo Two Caption    LOOKING AT FRONT OF BLDG

Clear Photo Two

**ELEVATION CERTIFICATE**

**BUILDING PHOTOGRAPHS**

Continuation Page

OMB No. 1660-0008  
Expiration Date: November 30, 2018

<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			<b>FOR INSURANCE COMPANY USE</b>
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 2310 West Gardner Lane			Policy Number:
City Tucson	State Arizona	ZIP Code 85705	Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.



Photo Three Caption ENCLOSED AREA ON EAST END OF BLDG

Clear Photo Three



Photo Four Caption ENCLOSED AREA ON EAST END OF BLDG

Clear Photo Four



12/20/2017-South Side

IMG\_8014.JPG



12/20/2017-East side

IMG\_8016.JPG



12/20/2017-North Side

IMG\_8017.JPG



12/20/2017-East Side

IMG\_8018.JPG



12/20/2017-North Side

IMG\_8019.JPG



12/20/2017-North Side

IMG\_8020.JPG



12/20/2017-West Side

IMG\_8021.JPG

## INSULATED SERIES

This series of vents is ideal for areas requiring flood venting protection but no natural air ventilation.

The flood door contains a 2" Styrofoam core that has an R-value of 8.34 and the vent frame is lined with felt weather stripping, helping to keep the enclosure as insulated from the elements as possible.

### IDEAL FOR:

- Garages
- Full height enclosures (e.g. walkouts)
- Conditioned crawlspaces
- Storage facilities
- Metal buildings
- Foyers

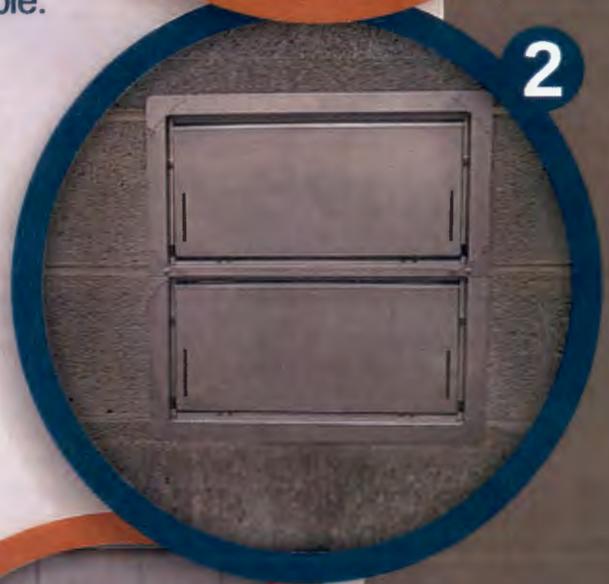
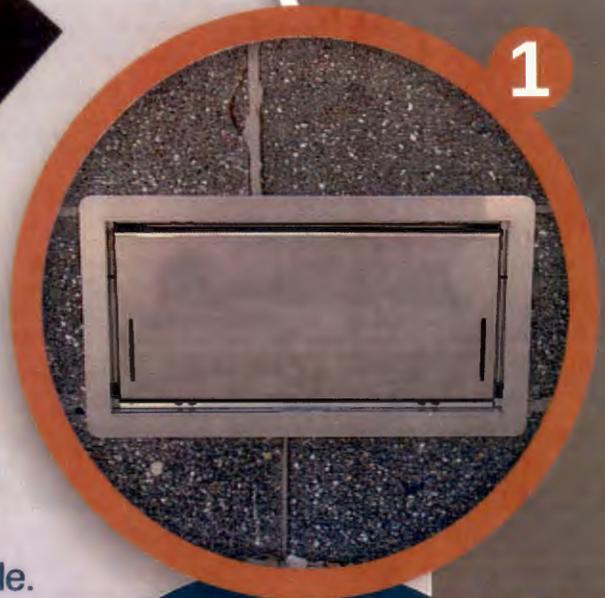
### **1** Flood Vent 1540-520

### **2** Stacker 1540-521

Stacker Models are twice as efficient as a single unit and are a great solution for large amounts of square footage, and in situations where there is not enough wall space to fit in single units.

### **3** Wood Wall 1540-570

Wood Wall Models are designed to fit between studs spaced at 16" on center. Pre-drilled slots in the four corners on the vent flange make for an easy installation.



*Picture in powder coat paint gray*

**For more information on Flood Protection Solutions, contact:**

Design Components, Inc.

115 Walter Way • Fayetteville, GA 30214



1

STANDARD FINISH POWDER COAT WHITE  
POWDER COAT PAINT OPTIONS:



Custom colors also available.



MODEL NUMBER	FLOOD COVERAGE	VENT SIZE	ROUGH OPENING
1540-520	200 sq. ft.	16"W x 8"H x 3"D	16 <sup>1</sup> / <sub>4</sub> in x 8 <sup>1</sup> / <sub>4</sub> in
1540-521	400 sq. ft.	16"W x 16"H x 3"D	16 <sup>1</sup> / <sub>4</sub> in x 16 <sup>3</sup> / <sub>8</sub> in
1540-570	200 sq. ft.	14 <sup>1</sup> / <sub>2</sub> "W x 8 <sup>1</sup> / <sub>2</sub> "H x 3"D	14 <sup>1</sup> / <sub>2</sub> in x 8 <sup>3</sup> / <sub>4</sub> in



To view other sizing options see Multi-frames

**For more information on Flood Protection Solutions, contact:**  
Design Components, Inc. 115 Walter Way • Fayetteville, GA 30214

DETAIL DIAGRAM  
 MODEL 1540-520  
 FLOOD VENT INSULATED

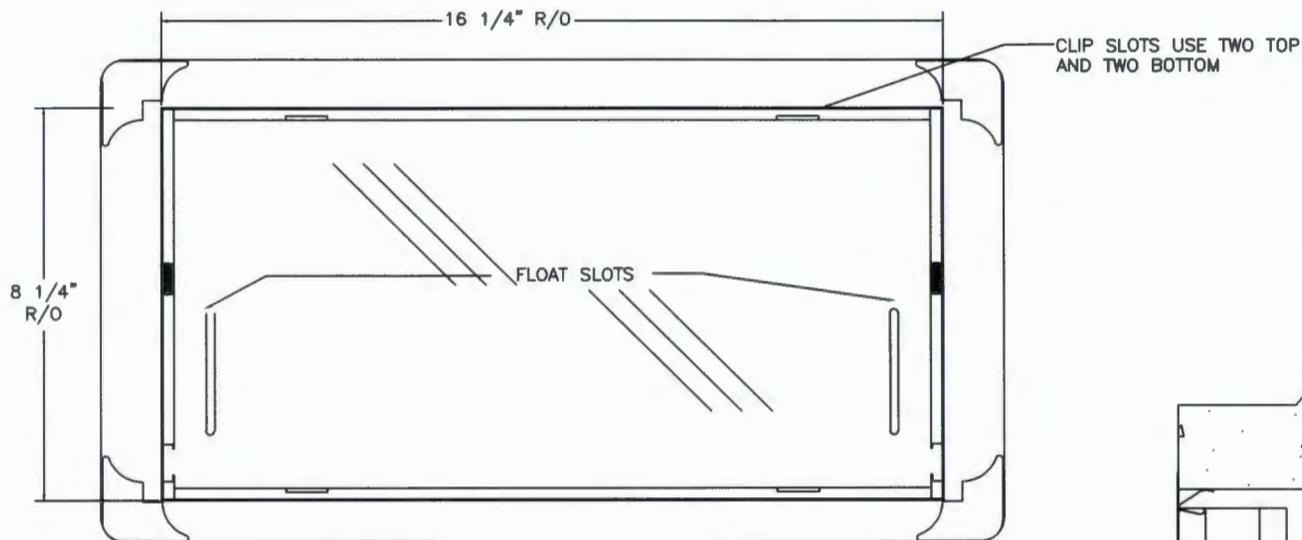


FIGURE 1  
 FRONT VIEW

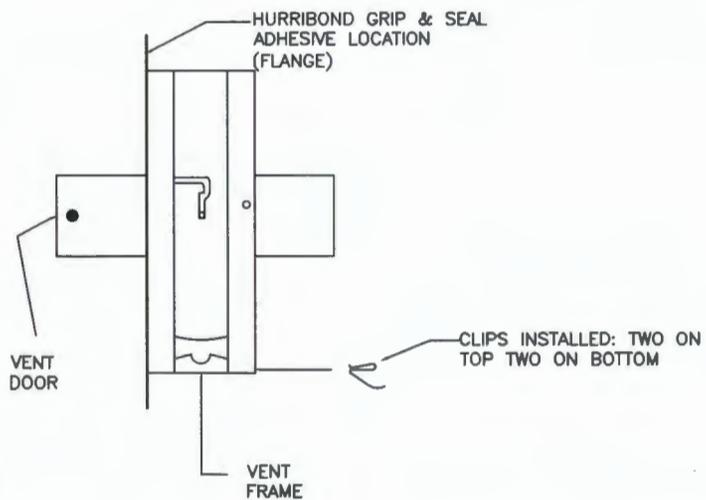


FIGURE 2  
 SIDE VIEW

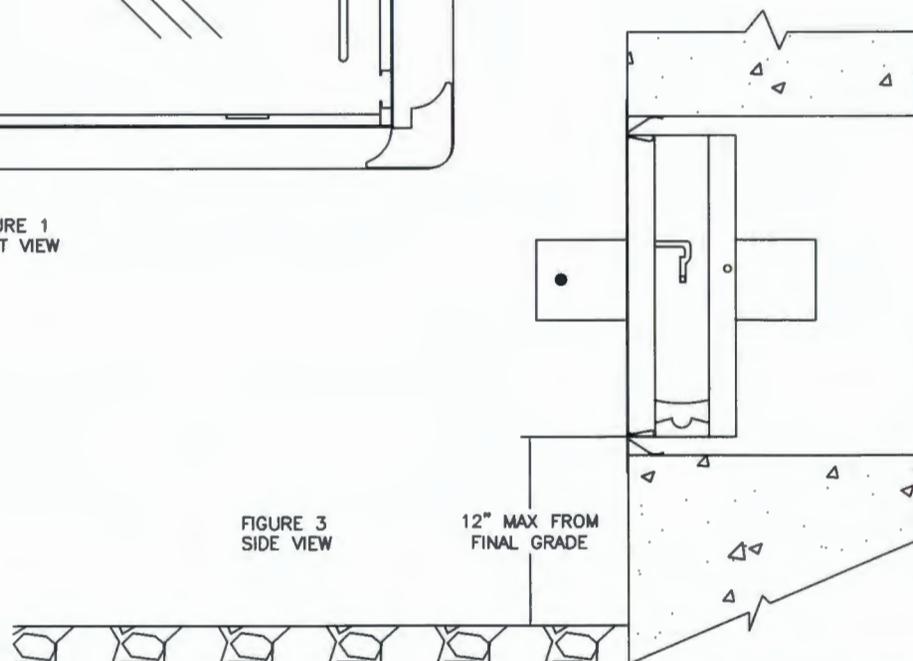


FIGURE 3  
 SIDE VIEW

 <b>SMART VENT®</b>		SMART VENT FOUNDATION FLOOD VENTS	
		FLOOD VENT INSULATED MODEL 1540-520	
SIZE A	DWG NO. 1540-520	REV B	
DATE: 6-21-16		SHEET 1 OF 2	



INSTALLATION INSTRUCTIONS  
& DETAILS  
MODEL 1540-520  
FLOODVENT INSULATED  
REV. 9-21-16

INSTALLATION INSTRUCTIONS

1. REMOVE VENT DOOR FROM VENT FRAME. (TURN UPSIDE DOWN, ROTATE BOTTOM OF DOOR OUTWARD AND SLIDE OUT)
2. PREPARE A CLEAN 16.25" WIDE BY 8.25" HIGH ROUGH OPENING (APPROX. 1 BLOCK WIDE X 1 BLOCK HIGH) FOR EACH VENT. ENSURE THE BOTTOM OF THE ROUGH OPENING IS NO MORE THAN 12" ABOVE THE FINISHED GRADE.
3. APPLY A BEAD OF HURRIBOND GRIP & SEAL OR EQUIVALENT ADHESIVE AROUND THE BACK OF THE FLANGE ON THE VENT FRAME. (FIG. 2)
4. INSERT INSTALLATION CLIPS INTO THE TWO SLOTS ON THE TOP AND TWO SLOTS ON THE BOTTOM OF THE FRAME.
5. THE SPRING ARM OF THE CLIPS SHOULD BE ON THE OUTSIDE OF THE VENT FRAME. COMPRESS THE BOTTOM TWO CLIPS AND BEGIN SLIPPING THE FRAME INTO THE OPENING. ENSURE THAT THE BOTTOM CLIPS ARE IN THE OPENING BEFORE ALLOW THEM TO DECOMPRESS.
6. WITH THE FRAME NOW IN THE OPENING, AND THE BOTTOM SPRINGS IN PLACE, COMPRESS THE TOP SPRINGS AND PUSH THE VENT FRAME INTO THE OPENING COMPLETELY UNTIL THE FRAME IS FLUSH WITH THE WALL.
7. RE-CHECK THAT FRAME IS SQUARE AND SLOTS ARE CLEAR OF DEBRIS, AND CAULK.
8. INSTALL THE DOOR INTO FRAME BY GRASPING THE BOTTOM OF DOOR (WITH FLOAT PINS DOWN) AND FRONT (SMALL SCREEN IN FRONT). SLIDE DOOR INTO FRAME AND ROTATE UNTIL IT IS LATCHED.
9. TO OPEN THE DOOR INSERT TWO CREDIT CARDS INTO THE FLOAT SLOTS AS SHOWN IN THE DIAGRAM. THIS WILL UNLATCH THE DOOR FOR REMOVAL AND CLEANING.

DETAIL SPECIFICATIONS:

MATERIAL: STAINLESS STEEL

OPERATION: AUTOMATIC NON-POWERED ACTIVATION AND OPERATION

INSTALLATION:

SECURED W/ 4 STAINLESS STEEL INSTALLATION CLIPS INCLUDED AND AN ADHESIVE

HYDROSTATIC RELIEF: 200 SQ. FT PER VENT

REQUIREMENTS: MINIMUM OF 2 VENTS PER ENCLOSED AREA MOUNTED ON AT LEAST TWO DIFFERENT WALLS

COLORS: STAINLESS (STANDARD)

EXTERIOR POWDER COATED WHITE, WHEAT, GRAY, AND BLACK (AVAILABLE)

MEETS THE REQUIREMENTS FOR ENGINEERED OPENINGS AS SET FORTH BY:  
FEMA, NFIP, ICC, & ASCE  
SUPPORTIVE DOCUMENTS, TB 1-08, 44CFR 60.3(C)(5), ASCE 24-14  
ICC EVALUATION # ESR-2074

# Square Footage .org

Square Inches = Sq In = Sq.In. = inches<sup>2</sup> = in<sup>2</sup>

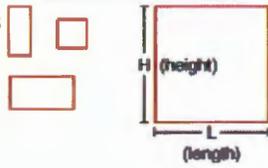
- [Square Footage Home](#)
- [Square Footage Calculator](#)
- [Triangle Square Footage Calculator](#)
- [Square Inches Calculator](#)
- [Siding Squares Calculator](#)

This Calculator is in: **Inches**

**Directions:** Enter inches into the calculator below. You can use this square inches calculator to calculate siding square inches or any other square inches needed (like: roofing, carpet, etc.) You can also use this tool to convert inches to feet and calculate square feet.

## Square Inches Calculator

(Height in Inches x Length in Inches = Square Inches)  
(Square Inches = Sq In = Sq.In. = inches<sup>2</sup> = in<sup>2</sup>)

rectangle examples and diagram 

Height 16 inches X Length 8 inches

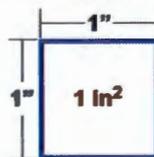
[Start Over](#) - To completely start from scratch on this page

**= 0.888888888889 Sq Inches** ( 0.89 sq.in. )

The Breakdown is:

TOTAL	Number	Comment
Square Inches	128	Sq.In.
Height in Inches	16	height inches
Length in Inches	8	length inches
Square Footage	0.888888888889	Sq.In / 144
Height in Feet	1.333333333333	height inches / 12
Length in Feet	0.666666666667	length inches / 12

1 Inch x 1 Inch = 1 in<sup>2</sup>



## What is a Square Inch?

A "square inch" is a unit of area measurement equal to a square measuring one inch on each side. 1 Square Inch = 0.00064516 square meters. Abbrev.: in<sup>2</sup>, sq.in., SqIn.

[Articles](#)