

2017 058848

2017 AUG 30 AM 11:37

MICHAEL B. BROWN  
RECORDER

Bond 285056280

LICENSE OR PERMIT BOND

KNOW ALL BY THESE PRESENTS, That we, NOVUM STRUCTURES LLC  
as Principal, of W126N8585 Westbrook Crossing

Menomonee Falls (City) WI 53051 (State) and the LIBERTY MUTUAL INSURANCE COMPANY

, a MA corporation, as Surety, are held and bound unto BOARD OF COMMISSIONERS OF LAKE COUNTY, INDIANA, AND ALL CITIES, TOWNS AND MUNICIPALITIES IN LAKE COUNTY, INDIANA  
2293 N. Main St. Crown Point, IN 46307, as Oblige, in the sum of

Five Thousand and 00/100 Dollars (\$ 5,000.00)  
for which sum, well and truly to be paid, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Sealed with our seals, and dated this 23rd day of August, 2017.

THE CONDITION OF THIS OBLIGATION IS SUCH, That WHEREAS, the Principal has been or is about to be granted a license or permit to do business as General Contractor

by the Oblige.

NOW, THEREFORE, if the Principal well and truly comply with applicable local ordinances, and conduct business in conformity therewith, then this obligation to be void; otherwise to remain in full force and effect.

PROVIDED, HOWEVER:

- This bond shall continue in force:
  - Until \_\_\_\_\_, or until the date of expiration of any Continuation Certificate executed by the Surety
  - OR
  - Until canceled as herein provided.
- This bond may be canceled by the Surety by the sending of notice in writing to the Oblige, stating when, not less than 30 days thereafter, liability hereunder shall terminate as to subsequent acts or omissions of the Principal.

NOVUM STRUCTURES LLC  
Principal

LIBERTY MUTUAL INSURANCE COMPANY  
By Diane M. O'Leary  
Diane M. O'Leary Attorney-in-Fact




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65367  
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ACKNOWLEDGEMENT BY SURETY

STATE OF ILLINOIS  
COUNTY OF COOK

On this 23rd day of August, 2017, before me, Debra J. Doyle, a Notary Public, within and for said County and State, personally appeared Diane M. O'Leary to me personally known to be the Attorney-in-Fact of and for Liberty Mutual Insurance Company and acknowledged that she executed the said instrument as the free act and deed of said Company.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in the aforesaid County, the day and year in this certificate first above written.

  
\_\_\_\_\_  
Notary Public in the State of Illinois  
County of Cook

OFFICIAL SEAL  
DEBRA J. DOYLE  
NOTARY PUBLIC, STATE OF ILLINOIS  
MY COMMISSION EXPIRES  
FEBRUARY 21, 2018



**THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.**

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 7668227

Liberty Mutual Insurance Company  
The Ohio Casualty Insurance Company West American Insurance Company

**POWER OF ATTORNEY**

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Christina L. Sandoval; Debra J. Doyle; Diane M. O'Leary; James B. McTaggart; Jennifer L. Jakaitis; Jessica B. Dempsey; Judith A. Lucky-Eftimov; Sandra M. Nowak; Sandra M. Winsted; Susan A. Welsh

all of the city of Chicago state of IL each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 14th day of March, 2017.



The Ohio Casualty Insurance Company  
Liberty Mutual Insurance Company  
West American Insurance Company

By: David M. Carey  
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss  
COUNTY OF MONTGOMERY

**Document is NOT OFFICIAL!**

**This Document is the property of the State County Recorder!**

On this 14th day of March, 2017, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he is such as is authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Teresa Pastella, Notary Public  
Upper Merion Twp., Montgomery County  
My Commission Expires March 28, 2021  
Member, Pennsylvania Association of Notaries

By: Teresa Pastella  
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

**ARTICLE IV – OFFICERS** – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

**ARTICLE XIII – Execution of Contracts** – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

**Certificate of Designation** – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

**Authorization** – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

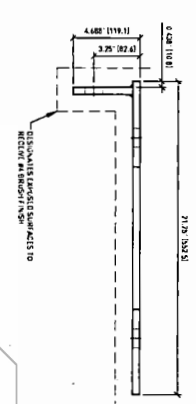
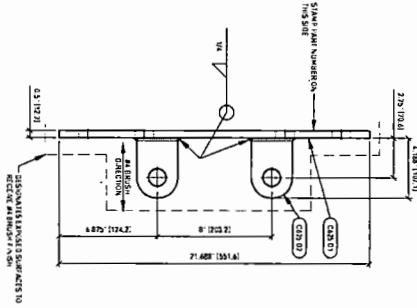
IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 23rd day of AUGUST, 2017.



By: Renee C. Llewellyn  
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



**CONVERSION TABLE**

CONV	UNIT	CONV	UNIT
1/8"	1/8"	3.175	MM
1/4"	1/4"	6.350	MM
3/8"	3/8"	9.525	MM
1/2"	1/2"	12.700	MM
5/8"	5/8"	15.875	MM
3/4"	3/4"	19.050	MM
7/8"	7/8"	22.225	MM
1"	1"	25.400	MM
1 1/8"	1 1/8"	29.575	MM
1 1/4"	1 1/4"	33.750	MM
1 3/8"	1 3/8"	37.925	MM
1 1/2"	1 1/2"	42.100	MM
1 5/8"	1 5/8"	46.275	MM
1 3/4"	1 3/4"	50.450	MM
1 7/8"	1 7/8"	54.625	MM
2"	2"	50.800	MM

**STEEL MODIFICATION NOTES**

1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

2. DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

3. DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.

4. DIMENSIONS ARE TO SURFACE UNLESS OTHERWISE SPECIFIED.

5. DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.

6. DIMENSIONS ARE TO SURFACE UNLESS OTHERWISE SPECIFIED.

7. DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.

8. DIMENSIONS ARE TO SURFACE UNLESS OTHERWISE SPECIFIED.

9. DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.

10. DIMENSIONS ARE TO SURFACE UNLESS OTHERWISE SPECIFIED.

**ABBREVIATION KEY**

1. DIMENSION LINE

2. DIMENSION VALUE

3. DIMENSION EXTENSION LINE

4. DIMENSION TERMINATION LINE

5. DIMENSION CENTERLINE

6. DIMENSION SURFACE LINE

7. DIMENSION CENTERLINE

8. DIMENSION SURFACE LINE

9. DIMENSION CENTERLINE

10. DIMENSION SURFACE LINE

**DIMENSION TOLERANCES IN INCHES**

SIZE	TOLERANCE
0.000 - 0.009	±0.0005
0.010 - 0.049	±0.0008
0.050 - 0.099	±0.0012
0.100 - 0.199	±0.0015
0.200 - 0.299	±0.0020
0.300 - 0.399	±0.0025
0.400 - 0.499	±0.0030
0.500 - 0.599	±0.0035
0.600 - 0.699	±0.0040
0.700 - 0.799	±0.0045
0.800 - 0.899	±0.0050
0.900 - 0.999	±0.0055
1.000 - 1.499	±0.0060
1.500 - 1.999	±0.0065
2.000 - 2.499	±0.0070
2.500 - 2.999	±0.0075
3.000 - 3.499	±0.0080
3.500 - 3.999	±0.0085
4.000 - 4.999	±0.0090
5.000 - 5.999	±0.0095
6.000 - 6.999	±0.0100
7.000 - 7.999	±0.0105
8.000 - 8.999	±0.0110
9.000 - 9.999	±0.0115
10.000 - 14.999	±0.0120
15.000 - 19.999	±0.0125
20.000 - 24.999	±0.0130
25.000 - 29.999	±0.0135
30.000 - 34.999	±0.0140
35.000 - 39.999	±0.0145
40.000 - 44.999	±0.0150
45.000 - 49.999	±0.0155
50.000 - 54.999	±0.0160
55.000 - 59.999	±0.0165
60.000 - 64.999	±0.0170
65.000 - 69.999	±0.0175
70.000 - 74.999	±0.0180
75.000 - 79.999	±0.0185
80.000 - 84.999	±0.0190
85.000 - 89.999	±0.0195
90.000 - 94.999	±0.0200
95.000 - 99.999	±0.0205
100.000 - 149.999	±0.0210
150.000 - 199.999	±0.0215
200.000 - 249.999	±0.0220
250.000 - 299.999	±0.0225
300.000 - 349.999	±0.0230
350.000 - 399.999	±0.0235
400.000 - 449.999	±0.0240
450.000 - 499.999	±0.0245
500.000 - 549.999	±0.0250
550.000 - 599.999	±0.0255
600.000 - 649.999	±0.0260
650.000 - 699.999	±0.0265
700.000 - 749.999	±0.0270
750.000 - 799.999	±0.0275
800.000 - 849.999	±0.0280
850.000 - 899.999	±0.0285
900.000 - 949.999	±0.0290
950.000 - 999.999	±0.0295
1000.000 - 1499.999	±0.0300
1500.000 - 1999.999	±0.0305
2000.000 - 2499.999	±0.0310
2500.000 - 2999.999	±0.0315
3000.000 - 3499.999	±0.0320
3500.000 - 3999.999	±0.0325
4000.000 - 4499.999	±0.0330
4500.000 - 4999.999	±0.0335
5000.000 - 5499.999	±0.0340
5500.000 - 5999.999	±0.0345
6000.000 - 6499.999	±0.0350
6500.000 - 6999.999	±0.0355
7000.000 - 7499.999	±0.0360
7500.000 - 7999.999	±0.0365
8000.000 - 8499.999	±0.0370
8500.000 - 8999.999	±0.0375
9000.000 - 9499.999	±0.0380
9500.000 - 9999.999	±0.0385
10000.000 - 14999.999	±0.0390
15000.000 - 19999.999	±0.0395
20000.000 - 24999.999	±0.0400
25000.000 - 29999.999	±0.0405
30000.000 - 34999.999	±0.0410
35000.000 - 39999.999	±0.0415
40000.000 - 44999.999	±0.0420
45000.000 - 49999.999	±0.0425
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55000.000 - 59999.999	±0.0435
60000.000 - 64999.999	±0.0440
65000.000 - 69999.999	±0.0445
70000.000 - 74999.999	±0.0450
75000.000 - 79999.999	±0.0455
80000.000 - 84999.999	±0.0460
85000.000 - 89999.999	±0.0465
90000.000 - 94999.999	±0.0470
95000.000 - 99999.999	±0.0475
100000.000 - 149999.999	±0.0480
150000.000 - 199999.999	±0.0485
200000.000 - 249999.999	±0.0490
250000.000 - 299999.999	±0.0495
300000.000 - 349999.999	±0.0500
350000.000 - 399999.999	±0.0505
400000.000 - 449999.999	±0.0510
450000.000 - 499999.999	±0.0515
500000.000 - 549999.999	±0.0520
550000.000 - 599999.999	±0.0525
600000.000 - 649999.999	±0.0530
650000.000 - 699999.999	±0.0535
700000.000 - 749999.999	±0.0540
750000.000 - 799999.999	±0.0545
800000.000 - 849999.999	±0.0550
850000.000 - 899999.999	±0.0555
900000.000 - 949999.999	±0.0560
950000.000 - 999999.999	±0.0565
1000000.000 - 1499999.999	±0.0570
1500000.000 - 1999999.999	±0.0575
2000000.000 - 2499999.999	±0.0580
2500000.000 - 2999999.999	±0.0585
3000000.000 - 3499999.999	±0.0590
3500000.000 - 3999999.999	±0.0595
4000000.000 - 4499999.999	±0.0600
4500000.000 - 4999999.999	±0.0605
5000000.000 - 5499999.999	±0.0610
5500000.000 - 5999999.999	±0.0615
6000000.000 - 6499999.999	±0.0620
6500000.000 - 6999999.999	±0.0625
7000000.000 - 7499999.999	±0.0630
7500000.000 - 7999999.999	±0.0635
8000000.000 - 8499999.999	±0.0640
8500000.000 - 8999999.999	±0.0645
9000000.000 - 9499999.999	±0.0650
9500000.000 - 9999999.999	±0.0655
10000000.000 - 14999999.999	±0.0660
15000000.000 - 19999999.999	±0.0665
20000000.000 - 24999999.999	±0.0670
25000000.000 - 29999999.999	±0.0675
30000000.000 - 34999999.999	±0.0680
35000000.000 - 39999999.999	±0.0685
40000000.000 - 44999999.999	±0.0690
45000000.000 - 49999999.999	±0.0695
50000000.000 - 54999999.999	±0.0700
55000000.000 - 59999999.999	±0.0705
60000000.000 - 64999999.999	±0.0710
65000000.000 - 69999999.999	±0.0715
70000000.000 - 74999999.999	±0.0720
75000000.000 - 79999999.999	±0.0725
80000000.000 - 84999999.999	±0.0730
85000000.000 - 89999999.999	±0.0735
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100000000.000 - 149999999.999	±0.0750
150000000.000 - 199999999.999	±0.0755
200000000.000 - 249999999.999	±0.0760
250000000.000 - 299999999.999	±0.0765
300000000.000 - 349999999.999	±0.0770
350000000.000 - 399999999.999	±0.0775
400000000.000 - 449999999.999	±0.0780
450000000.000 - 499999999.999	±0.0785
500000000.000 - 549999999.999	±0.0790
550000000.000 - 599999999.999	±0.0795
600000000.000 - 649999999.999	±0.0800
650000000.000 - 699999999.999	±0.0805
700000000.000 - 749999999.999	±0.0810
750000000.000 - 799999999.999	±0.0815
800000000.000 - 849999999.999	±0.0820
850000000.000 - 899999999.999	±0.0825
900000000.000 - 949999999.999	±0.0830
950000000.000 - 999999999.999	±0.0835
1000000000.000 - 1499999999.999	±0.0840
1500000000.000 - 1999999999.999	±0.0845
2000000000.000 - 2499999999.999	±0.0850
2500000000.000 - 2999999999.999	±0.0855
3000000000.000 - 3499999999.999	±0.0860
3500000000.000 - 3999999999.999	±0.0865
4000000000.000 - 4499999999.999	±0.0870
4500000000.000 - 4999999999.999	±0.0875
5000000000.000 - 5499999999.999	±0.0880
5500000000.000 - 5999999999.999	±0.0885
6000000000.000 - 6499999999.999	±0.0890
6500000000.000 - 6999999999.999	±0.0895
7000000000.000 - 7499999999.999	±0.0900
7500000000.000 - 7999999999.999	±0.0905
8000000000.000 - 8499999999.999	±0.0910
8500000000.000 - 8999999999.999	±0.0915
9000000000.000 - 9499999999.999	±0.0920
9500000000.000 - 9999999999.999	±0.0925
10000000000.000 - 14999999999.999	±0.0930
15000000000.000 - 19999999999.999	±0.0935
20000000000.000 - 24999999999.999	±0.0940
25000000000.000 - 29999999999.999	±0.0945
30000000000.000 - 34999999999.999	±0.0950
35000000000.000 - 39999999999.999	±0.0955
40000000000.000 - 44999999999.999	±0.0960
45000000000.000 - 49999999999.999	±0.0965
50000000000.000 - 54999999999.999	±0.0970
55000000000.000 - 59999999999.999	±0.0975
60000000000.000 - 64999999999.999	±0.0980
65000000000.000 - 69999999999.999	±0.0985
70000000000.000 - 74999999999.999	±0.0990
75000000000.000 - 79999999999.999	±0.0995
80000000000.000 - 84999999999.999	±0.1000
85000000000.000 - 89999999999.999	±0.1005
90000000000.000 - 94999999999.999	±0.1010
95000000000.000 - 99999999999.999	±0.1015
100000000000.000 - 149999999999.999	±0.1020

**WELDING NOTES**

1. WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE AMERICAN WELDING SOCIETY (AWS) CODES AND STANDARDS.

2. WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE AMERICAN WELDING SOCIETY (AWS) CODES AND STANDARDS.

3. WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE AMERICAN WELDING SOCIETY (AWS) CODES AND STANDARDS.

4. WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE AMERICAN WELDING SOCIETY (AWS) CODES AND STANDARDS.

5. WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE AMERICAN WELDING SOCIETY (AWS) CODES AND STANDARDS.

**DETAIL**

NO.	DESCRIPTION	DATE
1	ISSUED FOR FABRICATION	16-0226
2	REVISION	16-0226
3	REVISION	16-0226
4	REVISION	16-0226
5	REVISION	16-0226
6	REVISION	16-0226
7	REVISION	16-0226
8	REVISION	16-0226
9	REVISION	16-0226
10	REVISION	16-0226