

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Powers Steel, Inc. 4118 E. Elwood Street Phoenix, AZ 85040

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Power Box Lintels

APPROVAL DOCUMENT: Drawing #0585-24, titled "Power Box Lintel", sheets 1 through 3 of 3, prepared by S. E. Consultants, Inc., dated April 2024, signed and sealed by Steven W. Schaub, P.E., on April 12, 2024, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each lintel shall bear a permanent label with the manufacturer's name or logo and the Miami-Dade County logo.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA #21-0208.02 and consists of this page 1, evidence submitted pages E-1, E-2, E-3 & E-4 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

MIAMI-DADE COUNTY
APPROVED

Hely A. Mehr 07/18/24

NOA No 24-0501.01 Expiration Date: 12/28/2026 Approval Date: 07/18/2024

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #06-0619.01

A. DRAWINGS

1. Drawing No. 1, titled "Power Box Lintel", sheets 1 through 3 of 3, prepared by S. E. Consultants, Inc., dated December 06, 2006, signed and sealed by Steven W. Schaub, P.E.

B. TESTS

- 1. Test report on flexural testing on Power Box Lintels Filled Models, per ASTM C-293, prepared by Certified Testing Laboratories, Report No. CTL 05028, dated 11/15/2005, signed and sealed by Ramesh Patel, P.E.
- 2. Test report on flexural testing on Power Box Lintels Filled Models, per ASTM C-293, prepared by Certified Testing Laboratories, Report No. CTL 05028, dated 12/22/2005, signed and sealed by Ramesh Patel, P.E.

C. CALCULATIONS

- 1. Calculations for Powers Steel Lintels, dated 05/15/2006, 543 pages, prepared by S. E. Consultants, Inc., signed and sealed by Steven W. Schaub, P.E.
- 2. Calculations for Powers Steel Lintels, dated 11/01/2006, 192 pages, prepared by S. E. Consultants, Inc., signed and sealed by Steven W. Schaub, P.E.

D. QUALITY ASSURANCE

1. By Miami-Dade Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. Mill Certified Inspection Report, dated September 15, 2005, for concrete by Rinker Materials.

F. OTHER

1. Quality Control Manual for Powers Box Lintels.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 09-0630.06

A. DRAWINGS

1. Drawing No. 1, titled "Power Box Lintel", sheets 1 through 3 of 3, prepared by S. E. Consultants, Inc., dated October 2006, signed and sealed by Steven W. Schaub, P.E., on August 23, 2011.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

Helmy A. Makar, P.E., M.S.

Product Control Section Supervisor

NOA No 24-0501.01

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. By Miami-Dade Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

1. None.

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 12-0501.02

A. DRAWINGS

1. Drawing No. 1, titled "Power Box Lintel", sheets 1 through 3 of 3, prepared by S. E. Consultants, Inc., dated October 08, 2012, signed and sealed by Steven W. Schaub, P.E., on October 08, 2012.

B. TESTS

- 1. Test report on flexural testing on Power Box Lintels Filled Models, per ASTM C-293, prepared by Certified Testing Laboratories, Report No. CTLA 1942W, dated 03/30/2009, signed and sealed by Ramesh Patel, P.E.
- 2. Test report on flexural testing on Power Box Lintels Filled Models, per ASTM C-293, prepared by Certified Testing Laboratories, Report No. CTLA 1942-1, dated 03/30/2009, signed and sealed by Ramesh Patel, P.E.
- 3. Test report on flexural testing on Power Box Lintels Filled Models, per ASTM C-293, prepared by Certified Testing Laboratories, Report No. CTLA 1942-2, dated 03/30/2009, signed and sealed by Ramesh Patel, P.E.

C. CALCULATIONS

1. Calculations for Powers Steel Lintels, dated 04/11/2012, 119 pages, prepared by S. E. Consultants, Inc., signed and sealed by Steven W. Schaub, P.E.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources.

E. MATERIAL CERTIFICATIONS

1. None.

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 16-0418.05

A. DRAWINGS

1. Drawing #0205-16, titled "Power Box Lintel", sheets 1 through 3 of 3, prepared by S. E. Consultants, Inc., dated February 2016, signed and sealed by Steven W. Schaub, P.E., on July 20, 2016.

B. TESTS

1. None.

Helmy A. Makar, P.E., M.S.

Product Control Section Supervisor NOA No 24-0501.01

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Calculations for Powers Steel Lintels, dated 02/2016, 93 pages, prepared by S. E. Consultants, Inc., signed and sealed by Steven W. Schaub, P.E.

D. OUALITY ASSURANCE

I. By Miami-Dade County Department of Regulatory and Economic Resources.

E. MATERIAL CERTIFICATIONS

1. None.

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 18-0212.12

A. DRAWINGS

1. Drawing #0078-18, titled "Power Box Lintel", sheets 1 through 3 of 3, prepared by S. E. Consultants, Inc., dated January 2018, signed and sealed by Steven W. Schaub, P.E., on January 31, 2018.

B. TESTS

1. None.

C. CALCULATIONS

1. Calculations for Powers Steel Lintels, dated 01/2018, 93 pages, prepared by S. E. Consultants, Inc., signed and sealed by Steven W. Schaub, P.E.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources.

E. MATERIAL CERTIFICATIONS

1. None.

6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 21-0208.02

A. DRAWINGS

1. Drawing #0126-21, titled "Power Box Lintel", sheets 1 through 3 of 3, prepared by S. E. Consultants, Inc., dated January 2021, signed and sealed by Steven W. Schaub, P.E., on January 29, 2021.

B. TESTS

1. None.

C. CALCULATIONS

1. Calculations for Powers Steel Lintels, dated 01/2021, 93 pages, prepared by S. E. Consultants, Inc., signed and sealed by Steven W. Schaub, P.E.

Helmy A. Makar, P.E., M.S.

Product Control Section Supervisor

NOA No 24-0501.01

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- D. QUALITY ASSURANCE
 - 1. By Miami-Dade County Department of Regulatory and Economic Resources.
- E. MATERIAL CERTIFICATIONS
 - 1. None.
- F. STATEMENTS
 - 1. Florida Building Code, 2020 Edition Compliance Letter prepared by S. E. Consultants, Inc., dated 01/29/2021, signed and sealed by Steven W. Schaub, P.E.
- 7. NEW EVIDENCE SUBMITTED
- A. DRAWINGS
 - 1. Drawing #0585-24, titled "Power Box Lintel", sheets 1 through 3 of 3, prepared by S. E. Consultants, Inc., dated April 2024, signed & sealed by Steven W. Schaub, P.E.
- B. TESTS
 - 1. None.
- C. CALCULATIONS
 - 1. Calculations for Powers Steel Lintels, dated 04/2024, 93 pages, prepared by S. E. Consultants, Inc., signed & sealed by Steven W. Schaub, P.E., on April 12, 2024.
- D. QUALITY ASSURANCE
 - 1. By Miami-Dade County Department of Regulatory and Economic Resources.
- E. MATERIAL CERTIFICATIONS
 - 1. None.
- F. STATEMENTS
 - 1. Florida Building Code, 2023 Edition Compliance Letter prepared by S. E. Consultants, Inc., dated 04/12/2024, signed and sealed by Steven W. Schaub, P.E.

Helmy A. Makar, P.E., M.S.

Product Control Section Supervisor

NOA No 24-0501.01

DATE: 4/2024

#5 TOP

PSbox8MD-II Lintels

8" inch block width

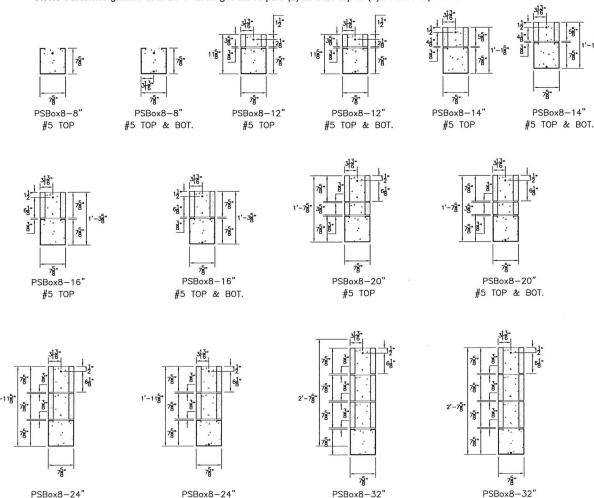
LINTEL LOAD TABLE (IN POUNDS PER LINEAL FOOT)

(20ga. < 16'-0" span) (16ga. >= 16'-0" span)

Gravity Load Table 3000 psi grout

| | | | | | | ALL LC | ADS ARE | SUPERIMP | OSED | | | | | | |
|--------------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|---------------|
| SPAN | PSbox 8-8* | PSbox 8-8* | PSbox 8-12* | PSbox 8-12* | PSbox 8-14" | PSbox 8-14" | PSbox 8-16" | PSbox 8-16* | PSbox 8-20* | PSbox 8-20* | PSbox 8-24* | PSbox 8-24* | PSbox 8-32* | PSbox 8-32* | SPAN |
| (ft) | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | (ft) |
| | | | | | | | | | | | | | | | |
| 1'-6" | 5568 | 5568 | 7369 | 7369 | 8269 | 8269 | 9170 | 9170 | 10971 | 10971 | 12772 | 12772 | | | 1'-6" |
| 2'-2" | 3836 | 3836 | 5074 | 5074 | 5694 | 5694 | 6313 | 6313 | 7551 | 7551 | 8789 | 8789 | | | 2'-2" |
| 2'-8" | 3106 | 3106 | 4107 | 4107 | 4607 | 4607 | 5107 | 5107 | 6108 | 6108 | 7109 | 7109 | | | 2'-8" |
| | | | 0444 | | 2004 | | 4000 | 4000 | 5404 | 5404 | 5960 | 5960 | 7636 | 7636 | 3'-2" |
| 3'-2" | 2606 | 2606 | 3444 | 3444 | 3864 | 3864 | 4283 | 4283 | 5121 | 5121 | | | 5998 | 5998 | 3-2 4'-0" |
| 4'-0" | 2051 | 2051 | 2709 | 2709 | 3038 | 3038 | 3366 | 3366 | 4024 | | 4682 | 4682 | 5306 | 5306 | 4-0 4'-6' |
| 4'-6" | 1816 | 1816 | 2398 | 2398 | 2689 | 2689 | 2980 | 2980 | 3561 | 3561 | 4143 | 4143 | 5306 | 5306 | 4-6 |
| 5'-2" | 1574 | 1574 | 2077 | 2077 | 2329 | 2329 | 2580 | 2580 | 3083 | 3083 | 3586 | 3586 | 4592 | 4592 | 5'-2" |
| 6'-2" | 1291 | 1309 | 1726 | 1726 | 1935 | 1935 | 2143 | 2143 | 2560 | 2560 | 2977 | 2977 | 3811 | 3811 | 6'-2' |
| 7'-0" | 989 | 1146 | 1510 | 1510 | 1692 | 1692 | 1874 | 1874 | 2238 | 2238 | 2602 | 2602 | 3330 | 3330 | 7'-0' |
| | | | | | | | | | | | | | | | |
| 8'-0" | 743 | 996 | 1311 | 1311 | 1468 | 1468 | 1625 | 1625 | 1940 | 1940 | 2255 | 2255 | 2885 | 2885 | 8'-0 |
| 9'-2" | 552 | 827 | 1133 | 1133 | 1268 | 1268 | 1404 | 1404 | 1675 | 1675 | 1946 | 1946 | 2489 | 2489 | 9'-2 |
| 10'-0" | 454 | 686 | 924 | 990 | 1135 | 1125 | 1260 | 1260 | 1515 | 1515 | 1770 | 1770 | 2263 | 2263 | 10'-0' |
| 441.01 | 050 | 500 | 050 | 244 | 040 | 005 | 4050 | 4050 | 4040 | 4040 | 1567 | 1567 | 2003 | 2003 | 11'-2' |
| 11'-2" | 352 | | 650 | 814 | 949 | | 1058 | 2.001.0 | | | 10000 000 | 50% SW | | | 12'-0' |
| 12'-0" | 297 | 458 | 558 | 670 | 816 | | 914 | | 1180 | | 1446 1361 | 1446 1361 | 1738 | | 12-0 |
| 12'-8" | 261 | 405 | 511 | 565 | 705 | 767 | 853 | 879 | 1107 | 1120 | 1361 | 1361 | 1/36 | 1/38 | 12-0 |
| 13'-4" | 229 | 360 | 466 | 524 | 650 | 729 | 791 | 844 | 1038 | 1065 | 1285 | 1285 | 1640 | 1640 | 13'-4 |
| 14'-0" | 203 | 4755 | 426 | 486 | 599 | 2.00 | 730 | Vict. (343) | | 1012 | 1215 | 1215 | 1551 | 1551 | 14'-0 |
| 16'-0" | 215 | | 386 | | 492 | | 688 | | | 1236 | 1524 | 1524 | 1811 | 1811 | 16'-0' |
| | | | | | | | | | | | | | | | |
| 18'-0" | 157 | 211 | 286 | 400 | 367 | 494 | 519 | 588 | 891 | 946 | 1201 | 1336 | 1000000000 | | 18'-0 |
| 18'-8" | 142 | 192 | 260 | 365 | 334 | 452 | 474 | 539 | 818 | | | 1282 | | | 18'-8 |
| 20'-8" | 104 | 145 | 195 | 281 | 254 | 350 | 365 | 518 | 641 | 682 | 869 | 1037 | 1267 | 1350 | 20'-8 |
| | 70 | 400 | 105 | 070 | 200 | 250 | 200 | ,,, | 561 | 718 | 721 | 1025 | 1042 | 1211 | 22'-8 |
| *22'-8" | 76 | 133 | 185 | 279 | 280 | 352 | 389 | 444 | 561 | /18 | /21 | 1025 | 1042 | 1211 | 24'-0 |
| *24'-0" *26'-0" | | | | | | | | | | | | | | | 24-0 26'-0 |
| | Nieter Al | | | | | | | | | | | | | | 20-0 |

*Note: All lintels greater than 20'-8" in length will require (2)-#5 bars top or (2)-#5 bars top&bott.



#5 TOP

#5 TOP & BOT.

#5 TOP & BOT.

GRAVITY LOADS

NOTES:

PRODUCT NAME (PATENT NO. 6367209); PREFORMED POWERS STEEL LINTEL SHALL BE GALVANIZED COIL

STEEL AS MANUFACTURED BY POWERS STEEL AND WIRE PRODUCTS, INC. STEEL GRADE SHALL BE ASTM A570 GRADE C (FY =

NOTE: DEFORMATIONS DO NOT AFFECT STRUCTURAL CAPACITY.

FOR SPANS LESS THAN 16'-0" BOX LINTELS TO BE 20 GA.

- SHORE LINTELS AS REQUIRED TO COMPENSATE FOR DEAD LOAD DEFLECTION ON NON-CURED MASONRY GROUT. ALL LINTELS GREATER THAN 18'-0" ARE BUILT WITH 1/2" CAMBER.
- LINTEL TO BE USED WITH CONCRETE MASONRY UNITS HAVING
- STEEL SURFACES IN CONTACT WITH GROUT AND/OR MORTAR SHALL BE UNPAINTED AND FREE OF MATERIAL THAT MIGHT INHIBIT BOND.
- DESIGN BEARING OF POWERS STEEL LINTELS IS 8" FOR ALL LINTELS.
- fm = 1500 psi. MASONRY UNITS SHALL CONFORM TO ASTM C90.
- GROUT = 3,000 psi. SLUMP RANGE: 8" TO 11". ROD OR VIBRATE GROUT ADEQUATELY TO ENSURE CONSOLIDATION OF GROUT (NO AIR POCKETS). GROUT SHALL COMPLY WITH ASTM C476-19 AND BE EITHER COARSE OR FINE GROUT.
- MORTAR: TYPE "S" OR TYPE "M" 1800 psi.

AND SPANS SHOWN IN THIS REPORT.

- TOP REINFORCING OR TOP OF WALL REINFORCING, IS REQUIRED BY CODES TO PROVIDE A CONTINUOUS TIE AROUND A STRUCTURE AND TO PROVIDE FOR UPLIFT RESISTANCE AT LINTELS.
- ATTACHMENTS TO TOP OF WALL PER ARCHITECTURAL AND/OR

PRODUCT REVISED as complying with the Florida

THE LINTELS SHALL NOT EXCEED THE ALLOWABLE DESIGN LOADS

THE LINTELS SHALL NOT BE USED IN A FIRE RESISTANCE RATED ASSEMBLY UNLESS A TEST REPORT DOCUMENTING FIRE RESISTANCE IS SUBMITTED TO THE BUILDING OFFICIAL

A PROPER BARRIER IS REQUIRED WHEN USING CORROSIVE LUMBER PRODUCTS IN CONTACT WITH THE STEEL LINTELS. A PROPER BARRIER WOULD BE A POLYETHYLENE BARRIER WITH A 10 MIL THICKNESS OR TO MAINTAIN A MIN. 1/4" SPACING BETWEEN THE CORROSIVE LUMBER AND STEEL LINTEL.

LOAD TABLES (PSbox8MD-II) CAN BE USED IN THE HVHZ IN MIAMI OR BROWARD COUNTIES.

- DEFLECTION LIMITS ARE SET TO L/600 FOR ALL LOADS SHOWN ABOVE THE DARKENED SOLID LINE. DEFLECTION LIMITS ARE SET TO L/360 [LIVE LOAD] AND L/240 [DEAD + LIVE LOAD] FOR ALL LOADS SHOWN BELOW DARKENED SOLID LINE.
- ALL LOADS SHOWN IN TABLES ARE SUPERIMPOSED LOADS. TABLES ARE DATED 4/2024 AND CLEARLY INDICATE SUPERIMPOSED LOADS.
- #5 REINFORCING BAR(S) GRADE 40 ARE TO SET APPROX 1-1/2" FROM TOP OF ALL LINTEL DESIGNS AND IN SOME CASES THE BOTTOM OF STEEL LINTEL AS SHOWN ON LOAD TABLES. TOP HORIZONTAL REINFORCEMENT IS TO BE A CONTINUOUS TIE AS NOTED IN NOTE #9. IN THE CASE THAT THE LINTEL IS NOT WITHIN A COMPOSITE BOND BEAM SYSTEM, TOP HORIZONTAL REINFORCEMENT IS TO EXTEND 2'-0" PAST INSIDE OF JAMBS.

MANUFACTURER

POWERS STEEL 4118 E. ELWOOD PHOENIX, AZ 85040 PH# 602-437-1160 FAX# 602-437-5409

TECHNICAL DATA AND ENGINEERING POWERS LINTELS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING

- + FLORIDA BUILDING CODE
- + AISI NORTH AMERICAN SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL + TMS 402

NOTE: THE EDITIONS OF THE REFERENCED CODES AND STANDARDS APPLICABLE TO THE USE OF THIS PRODUCT APPROVAL ARE AS STIPULATED IN THE ACCOMPANYING SEALED LETTER DATED

STRUCTURAL ENGINEER FOR THESE LINTELS IS:

S.F. CONSULTANTS INC 5800 E. THOMAS RD. SUITE 104 SCOTTSDALE, AZ 85251 PHONE No. (480) 946-2010 FAX No. (480) 946-1909

INSTALLATION:

POWERS LINTELS ARE TO BE INSTALLED IN ACCORDANCE WITH STANDARD CONSTRUCTIONS PRACTICES, SET TO PROPER LINE AND LEVEL, PLUMB AND TRUE, AND IN CORRECT RELATION TO OTHER

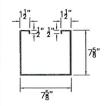
LINTELS LOADED SIMULTANEOUSLY WITH VERTICAL (GRAVITY OR UPLIFT) AND HORIZONTAL (LATERAL) LOADS SHOULD BE CHECKED FOR THE COMBINED LOADING WITH THE FOLLOWING EQUATION:

APPLIED VERTICAL LOAD APPLIED HORIZONAL LOAD SAFE VERTICAL LOAD SAFE HORIZONTAL LOAD

FOR COMPOSITE LINTEL HEIGHTS NOT SHOWN, USE SAFE LOAD FROM NEXT LOWER HEIGHT SHOWN

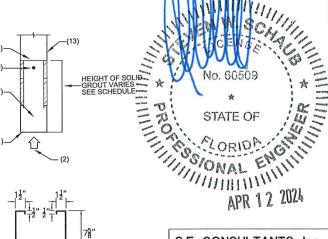
FOR LINTEL LENGTHS NOT SHOWN, USE SAFE LOAD FROM LONGEST LENGTH SHOWN.

SAFE LOADS ARE SUPERIMPOSED ALLOWABLE LOADS.



TYPICAL POWER BOX LINTEL SECTION

PSbox8MD-II STEEL LINTELS NO SCALE 16 GAGE IS .0598 INCHES THICK. 20 GAGE IS .039 INCHES THICK.



S.E. CONSULTANTS, Inc. 5800 East Thomas Road, Suite 104

WIRE

08

STEEL

(602) 437-1160 POWERS

Scottsdale, AZ 85251

Fax (602)437-5409

DATE: 4/2024

PSbox8MD-I Lintels.

8" inch block width LINTEL LOAD TABLE (IN POUNDS PER LINEAL FOOT) (20ga. < 16'-0" span) (16ga. >= 16'-0" span)

Lateral Load Table 3000 psi grout

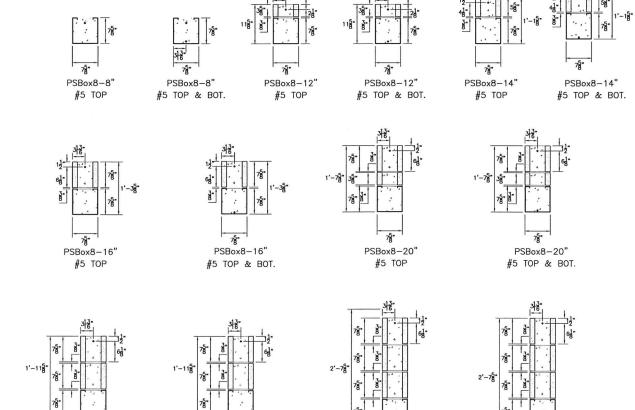
| | | | | | | ALL LC | ADS ARE | SUPERIMP | OSED | | 7 | | | | |
|--------------|------------|------------|-------------|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|----------------|
| SPAN | PSbox 8-8" | PSbox 8-8" | PSbox 8-12* | PSbox 8-12* | PSbox 8-14* | PSbox 8-14" | PSbox 8-16" | PSbox 8-16* | PSbox 8-20" | PSbox 8-20* | PSbox 8-24* | PSbox 8-24* | PSbox 8-32* | PSbox 8-32* | SPAN |
| (ft) | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | (ft) |
| | | | | | | | | | | | | | | | |
| 1'-6" | 3256 | 3256 | 4097 | 4097 | 4526 | N. 120.000 | 4960 | 4960 | 5839 | 17.75 | 6732 | 6732 | 8546 | 8546 | 1'-6" |
| 2'-2" | 2254 | 2254 | 2836 | 2836 | 3133 | | 3434 | 3434 | 4043 | 4043 | 4661 | 4661 | 5917 | 5917 | 2'-2" |
| 2'-8" | 1832 | 1832 | 2304 | 2304 | 2546 | 2546 | 2790 | 2790 | 3285 | 3285 | 3787 | 3787 | 4807 | 4807 | 2'-8" |
| | | | | | | | | | | | | | | | |
| 3'-2" | 1543 | 1543 | 1941 | 1941 | 2144 | 2144 | 2349 | 2349 | 2766 | | 3189 | 3189 | 4048 | 4048 | 3'-2" |
| 4'-0" | 1221 | 1221 | 1536 | 200000000000000000000000000000000000000 | 1697 | 1697 | 1860 | 1860 | 2190 | 2190 | 2524 | 2524 | 3205 | 3205 | 4'-0" |
| 4'-6" | 1085 | 1085 | 1366 | 1366 | 1509 | 1509 | 1653 | 1653 | 1946 | 1946 | 2244 | 2244 | 2849 | 2849 | 4'-6" |
| 5'-2" | 045 | 045 | 4400 | 4400 | 4044 | 4044 | 4440 | 4440 | 4005 | 4005 | 4054 | 4054 | 0404 | 0404 | 51.011 |
| 5-2 6'-2" | 945 792 | 945 792 | 1189 996 | 0.300000 | 1314 1101 | 1314 1101 | 1440 1206 | 1440 1206 | 1695 1420 | 0.000.000.00 | 1954 1637 | 1954 1637 | 2481 1865 | 2481 | 5'-2" 6'-2" |
| 6-2 7'-0" | | 698 | 996 878 | | 970 | 970 | 1063 | 1206 | 1176 | | | | 1448 | 1926 | |
| 7-0 | 090 | 090 | 0/0 | 6/6 | 970 | 970 | 1063 | 1003 | 11/6 | 1204 | 1272 | 1306 | 1446 | 1495 | 7'-0" |
| 8'-0" | 611 | 611 | 738 | 749 | 781 | 794 | 822 | 838 | 901 | 922 | 974 | 1000 | 1108 | 1145 | 8'-0" |
| 9'-2" | 492 | 496 | 562 | | 595 | 605 | 626 | 638 | 686 | | 742 | 762 | 844 | 872 | 9'-2" |
| 10'-0" | 413 | 417 | 472 | 2000 000 | 500 | 0.0000000 | 526 | 50.000 | 576 | 25 44230.7 | 623 | 640 | 709 | 25.5 | 10'-0" |
| 10.0 | 710 | 717 | 7/2 | 410 | 300 | 300 | 020 | 000 | 0/0 | 000 | 020 | 040 | 700 | 700 | 10-0 |
| 11'-2" | 331 | 334 | 379 | 384 | 401 | 408 | 422 | 430 | 462 | 473 | 500 | 513 | 569 | 588 | 11'-2" |
| 12'-0" | 287 | 289 | 328 | | 347 | 353 | 366 | 10000000 | 400 | 410 | 433 | 444 | 493 | 509 | 12'-0" |
| 12'-8" | 257 | 260 | 294 | | 312 | 317 | 328 | | 359 | | 388 | 399 | | 457 | 12'-8" |
| | | | | | | 3.26 | | | | | | | | | |
| 13'-4" | 232 | 234 | 266 | 270 | 281 | 286 | 296 | 302 | 324 | 332 | 351 | 360 | 399 | 412 | 13'-4" |
| 14'-0" | 211 | 213 | 241 | 244 | 255 | 259 | 269 | 274 | 294 | 301 | 318 | 326 | 362 | 374 | 14'-0" |
| 16'-0" | 271 | 272 | 296 | 298 | 308 | 310 | 319 | 322 | 341 | 344 | 361 | 366 | 399 | 405 | 16'-0" |
| | | | | | | | | | | | | | | | |
| 18'-0" | 214 | 215 | 234 | 7111000000 | 243 | 245 | 252 | 254 | 269 | 272 | 285 | 289 | 315 | 100-000 | 18'-0" |
| 18'-8" | 199 | 200 | 218 | 219 | 226 | 228 | 235 | | 250 | 253 | 265 | 269 | 293 | 298 | 18'-8" |
| 20'-8" | 162 | 163 | 177 | 178 | 185 | 186 | 191 | 193 | 204 | 206 | 216 | 219 | 239 | 243 | 20'-8" |
| | | | | | | | | | | | | | | | |
| *22'-8" | 135 | 136 | 148 | 150 | 154 | 156 | 160 | 162 | 172 | 174 | 182 | 186 | 202 | 207 | 22'-8" |
| *24'-0" | | | | | | | | | | | | | | | 24'-0" |
| *26'-0" | | | | | | | | | | | | | | | 26'-0" |

*Note: All lintels greater than 20'-8" in length will require (2)-#5 bars top or (2)-#5 bars top&bott.

Above loads include 1/3 increase for wind.

PSBox8-24"

#5 TOP



PSBox8-32"

#5 TOP

PSBox8-32"

#5 TOP & BOT.

PSBox8-24"

#5 TOP & BOT.

LATERAL LOADS

NOTES:

- PRODUCT NAME (PATENT NO. 6367209) PREFORMED POWERS STEEL LINTEL SHALL BE GALVANIZED COIL STEEL AS MANUFACTURED BY POWERS STEEL AND WIRE PRODUCTS, INC. STEEL GRADE SHALL BE ASTM A570 GRADE C (FY = $^{\circ}$
- NOTE: DEFORMATIONS DO NOT AFFECT STRUCTURAL CAPACITY.
- FOR SPANS LESS THAN 16'-0" BOX LINTELS TO BE 20 GA.
- SHORE LINTELS AS REQUIRED TO COMPENSATE FOR DEAD LOAD. DEFLECTION ON NON-CURED MASONRY GROUT. ALL LINTELS GREATER THAN 18'-0" ARE BUILT WITH 1/2" CAMBER.
- LINTEL TO BE USED WITH CONCRETE MASONRY UNITS HAVING
- STEEL SURFACES IN CONTACT WITH GROUT AND/OR MORTAR SHALL BE UNPAINTED AND FREE OF MATERIAL THAT MIGHT INHIBIT BOND.
- DESIGN BEARING OF POWERS STEEL LINTELS IS 8" FOR ALL LINTELS
- f'm = 1500 psi. MASONRY UNITS SHALL CONFORM TO ASTM C90,
- GROUT = 3,000 psi. SLUMP RANGE: 8" TO 11". ROD OR VIBRATE GROUT ADEQUATELY TO ENSURE CONSOLIDATION OF GROUT (NO AIR POCKETS). GROUT SHALL COMPLY WITH ASTM C476-19 AND BE EITHER COARSE OR FINE GROUT.
- MORTAR: TYPE "S" OR TYPE "M" 1800 psi
- TOP REINFORCING OR TOP OF WALL REINFORCING, IS REQUIRED BY CODES TO PROVIDE A CONTINUOUS TIE AROUND A STRUCTURE AND TO PROVIDE FOR UPLIFT RESISTANCE AT LINTELS.
- ATTACHMENTS TO TOP OF WALL PER ARCHITECTURAL AND/OR ENGINEERING DRAWINGS.
- LIMITATIONS

PRODUCT REVISED

THE LINTELS SHALL NOT BE USED IN A FIRE RESISTANCE RATED ASSEMBLY UNLESS A TEST REPORT DOCUMENTING FIRE RESISTANCE IS SUBMITTED TO THE BUILDING OFFICIAL.

A PROPER BARRIER IS REQUIRED WHEN USING CORROSIVE LUMBER PRODUCTS IN CONTACT WITH THE STEEL LINTELS. A PROPER BARRIER WOULD BE A POLYETHYLENE BARRIER WITH A 10 MIL THICKNESS OR TO MAINTAIN A MIN. 1/4" SPACING BETWEEN THE CORROSIVE LUMBER AND STEEL LINTEL

LOAD TABLE (PSb0x8MD-II) CAN BE USED IN THE HVHZ IN MIAMI OR BROWARD COUNTIES.

- ALLOWABLE LOADS SHOWN IN THE TABLES FOR UPLIFT AND LATERAL LOAD CAPACITY INCLUDE A 1/3 INCREASE FOR WIND OR SEISMIC LOADING WITH NO FURTHER INCREASES ALLOWED. TABLE VALUES SHALL BE USED WITH ALTERNATE ALLOWABLE STRESS COMBINATIONS WITH A W OF 1.3. OTHERWISE REDUCE TABLE VALUES FOR ALLOWABLE STRESS COMBINATIONS BY 1/3. IF COMBINED LOADING CONDITIONS ARE APPLIED TO THE LINTELS FOR SIMULTANEOUS LOADING DIRECTIONS, THE ALLOWABLE LOADS SHOWN IN THE TABLES MUST BE ADJUSTED USING A UNITY
- ALL LOADS SHOWN IN TABLES ARE SUPERIMPOSED LOADS. TABLES
- #5 REINFORCING BAR (GRADE 40) IS TO SET APPROX. 1-1/2" FROM TOP OF ALL LINTEL DESIGNS AND IN SOME CASES THE BOTTOM OF STEEL LINTEL AS SHOWN ON LOAD TABLES. TOP HORIZONTAL EINTER AS SHOWN ON LOAD TABLES. TOP HORIZONTAL
 REINFORCEMENT IS TO BE A CONTINUOUS TIE AS NOTED IN NOTE #9.
 IN THE CASE THAT THE LINTEL IS NOT WITHIN A COMPOSITE BOND
 BEAM SYSTEM, TOP HORIZONTAL REINFORCEMENT IS TO EXTEND 2'-0" PAST INSIDE OF JAMBS.

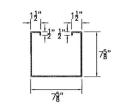
MANUFACTURER:

- POWERS STEEL 4118 E. ELWOOD PHOENIX, AZ 85040 PH# 602-437-1160 FAX# 602-437-5409
- TECHNICAL DATA AND ENGINEERING POWERS LINTELS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING:

 - + AISI NORTH AMERICAN SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL
- NOTE: THE EDITIONS OF THE REFERENCED CODES AND STANDARDS APPLICABLE TO THE USE OF THIS PRODUCT APPROVAL ARE AS STIPULATED IN THE ACCOMPANYING SEALED LETTER DATED
- STRUCTURAL ENGINEER FOR THESE LINTELS IS:
 - S.E. CONSULTANTS, INC. 5800 E. THOMAS RD. SUITE 104 SCOTTSDALE, AZ 85251 PHONE No. (480) 946-2010 FAX No. (480) 946-1909
- INSTALLATION: POWERS LINTELS ARE TO BE INSTALLED IN ACCORDANCE WITH STANDARD CONSTRUCTIONS PRACTICES, SET TO PROPER LINE AND LEVEL, PLUMB AND TRUE, AND IN CORRECT RELATION TO OTHER
- LINTELS LOADED SIMULTANEOUSLY WITH VERTICAL (GRAVITY OR UPLIFT) AND HORIZONTAL (LATERAL) LOADS SHOULD BE CHECKED FOR THE COMBINED LOADING WITH THE FOLLOWING EQUATION:

SAFE HORIZONTAL LOAD

- APPLIED VERTICAL LOAD APPLIED HORIZONAL LOAD
- FOR COMPOSITE LINTEL HEIGHTS NOT SHOWN, USE SAFE LOAD FROM NEXT LOWER HEIGHT SHOWN.
- FOR LINTEL LENGTHS NOT SHOWN, USE SAFE LOAD FROM LONGEST
- SAFE LOADS ARE SUPERIMPOSED ALLOWABLE LOADS.



SAFE VERTICAL LOAD

PSbox8MD-II STEEL LINTELS

NO SCALE 16 GAGE IS .0598 INCHES THICK. 20 GAGE IS .039 INCHES THICK.

STATE OF

STATE OF

APR 1

TYPICAL POWER BOX LINTEL SECTION

S.E. CONSULTANTS, Inc.

DETAIL DATE , GRADE

WIRE

Ø

STEEL

(602) 437-1160 POWERS

5800 East Thomas Road, Suite 104 Scottsdale, AZ 85251

(602)437-1160 Fax (602)437-5409 DATE: 4/2024

PSRox8-24"

#5 TOP

PSbox8MD-II Lintels 4 1

8" inch block width LINTEL LOAD TABLE (IN POUNDS PER LINEAL FOOT) (20ga. < 16'-0" span) (16ga. >= 16'-0" span)

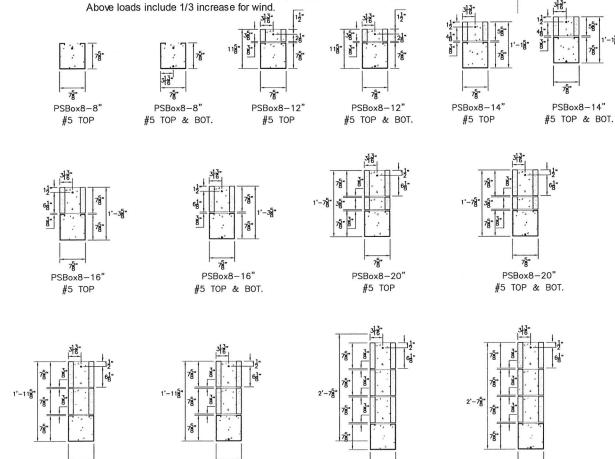
PSBox8-32"

#5 TOP & BOT.

Uplift Load Table 3000 psi grout ALL LOADS ARE SUREDIMPOSED

| | | | | | | ALL LC | ADS ARE | SUPERIMP | OSED | | | | | | |
|--------------|-----------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------|-------------|-------------|-------------|-------------|-----------|
| SPAN | PSbox 8-8* | PSbox 8-8* | PSbox 8-12* | PSbox 8-12* | PSbox 8-14" | PSbox 8-14" | PSbox 8-16" | PSbox 8-16* | PSbox 8-20* | PSbox 8-20* | PSbox 8-24" | PSbox 8-24* | PSbox 8-32* | PSbox 8-32* | SPAN. |
| (ft) | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | #5 top | #5 top⊥ | (ft) |
| | | | | | | | | | | | | | | | |
| 1'-6" | 5637 | 5637 | 7585 | | 8570 | 8570 | 9561 | 9561 | | | | | | | 1'-6" |
| 2'-2" | 3914 | 3914 | 5267 | 5267 | 5952 | 5952 | 6640 | 6640 | 8026 | 8026 | 9420 | 151 - 100 | 12226 | 12226 | 2'-2" |
| 2'-8" | 3187 | 3187 | 4289 | 4289 | 4847 | 4847 | 5408 | 5408 | 6537 | 6537 | 7673 | 7673 | 9959 | 9959 | 2'-8" |
| | And the second second | 100000000000000000000000000000000000000 | | | | | | | | | | | | | 21.01 |
| 3'-2" | 2689 | 2689 | 3620 | 3620 | 4091 | 4091 | 4565 | N 1000000 | 5518 | | | 6478 | 8408 | 8408 | 3'-2" |
| 4'-0" | 2136 | 2136 | 2877 | 2877 | 3252 | 3252 | 3629 | 3629 | 4387 | 4387 | 5150 | 5150 | 6685 | 6685 | 4'-0" |
| 4'-6" | 1903 | 1903 | 2563 | 2563 | 2897 | 2897 | 3233 | 3233 | 3909 | 3909 | 4589 | 4589 | 5957 | 5957 | 4'-6" |
| 5'-2" | 1662 | 1662 | 2239 | 2239 | 2531 | 2531 | 2825 | 2825 | 3416 | 3416 | 4010 | 4010 | 5206 | 5206 | 5'-2" |
| 5-2 6'-2" | 1398 | 1398 | 1885 | 1885 | 2131 | 2131 | 2378 | 2378 | 2876 | 12427-0-124400 | 20010000 | 3376 | 0.000.000 | 4384 | 6'-2" |
| 7'-0" | 1236 | 1236 | 1667 | 1667 | 1884 | 1884 | 2103 | 2103 | 2544 | | 2987 | 2987 | 3878 | 3878 | 7'-0" |
| 7-0 | 1230 | 1230 | 1007 | 1007 | 1004 | 1004 | 2103 | 2103 | 2044 | 2044 | 2507 | 2001 | 0070 | 00/0 | |
| 8'-0" | 959 | 959 | 1365 | 1365 | 1533 | 1533 | 1703 | 1703 | 2044 | 2044 | 2387 | 2387 | 3077 | 3077 | 8'-0" |
| 9'-2" | 739 | 739 | 1052 | 1052 | 1182 | 1182 | 1313 | 1313 | 1577 | | 1843 | | | 2376 | 9'-2" |
| 10'-0" | 626 | 626 | 892 | 892 | 1003 | 1003 | 1115 | 01000110000 | 1339 | 2000000 | 1565 | 8.5.20 | | 500000 | 10'-C" |
| | | | | | | | | | | | | | | | |
| 11'-2" | 509 | 509 | 726 | 726 | 817 | 817 | 908 | 908 | 1091 | 1091 | 1275 | 1275 | 1646 | 1646 | 11'-2" |
| 12'-0" | 446 | 446 | 636 | 636 | 715 | 715 | 795 | 795 | 956 | 956 | 1118 | 1118 | 1444 | 1444 | 12'-0" |
| 12'-8" | 404 | 404 | 576 | 576 | 648 | 648 | 721 | 721 | 867 | 867 | 1014 | 1014 | 1310 | 1310 | 12'-8" |
| | | | | | | | | | | | | | | | |
| 13'-4" | 368 | 368 | 525 | 525 | 591 | 591 | 657 | 657 | 791 | 791 | 925 | 925 | 1195 | 1195 | |
| 14'-0" | 337 | 337 | 481 | 481 | 542 | 542 | 603 | 603 | 725 | 725 | 849 | 849 | 8 71 500 | 22 222 | 14'-0" |
| 16'-0" | 347 | 347 | 461 | 461 | 509 | 509 | 558 | 558 | 656 | 656 | 754 | 754 | 952 | 952 | 16'-0" |
| | | | | | | | | | | | | | 5 | | |
| 18'-0" | 282 | 282 | 376 | | | 416 | | | 537 | | 618 | 1000 | 0.500 | Sec. 20 | 18'-0" |
| 18'-8" | 265 | 265 | 353 | | 391 | 391 | 429 | | 505 | | | | | | 21300 200 |
| 20'-8" | 223 | 223 | 298 | 298 | 330 | 330 | 363 | 363 | 428 | 428 | 494 | 494 | 626 | 626 | 20'-&" |
| | | | | | | | | | | | | | | | 001.611 |
| *22'-8" | 202 | 202 | 298 | 298 | 356 | 356 | 418 | 418 | 538 | 538 | 634 | 634 | 828 | 828 | 22'-8" |
| *24'-0" | | | | | | | | | | | | | | | 24'-0" |
| *26'-0" | | | | | | | | om ton o | | | | | | | 26'-ü" |

*Note: All lintels greater than 20'-8" in length will require (2)-#5 bars top or (2)-#5 bars top&bott.



PSRox8-32'

#5 TOP

PSBox8-24"

#5 TOP & BOT.

UPLIFT LOADS

NOTES:

PRODUCT NAME (PATENT NO. 6367209) PREFORMED POWERS STEEL LINTEL SHALL BE GALVANIZED COIL STEEL AS MANUFACTURED BY POWERS STEEL AND WIRE PRODUCTS, INC. STEEL GRADE SHALL BE ASTM A570 GRADE C (FY =

NOTE: DEFORMATIONS DO NOT AFFECT STRUCTURAL CAPACITY.

- FOR SPANS LESS THAN 16'-0" BOX LINTELS TO BE 20 GA. SHORE LINTELS AS REQUIRED TO COMPENSATE FOR DEAD LOAD DEFLECTION ON NON-CURED MASONRY GROUT. ALL LINTELS GREATER THAN 18'-0" ARE BUILT WITH 1/2" CAMBER.
- LINTEL TO BE USED WITH CONCRETE MASONRY UNITS HAVING
- STEEL SURFACES IN CONTACT WITH GROUT AND/OR MORTAR SHALL BE UNPAINTED AND FREE OF MATERIAL THAT MIGHT INHIBIT BOND.
- DESIGN BEARING OF POWERS STEEL LINTELS IS 8" FOR ALL LINTELS
- $\rho_{\text{IM}} = 1500~\text{psi.}$ MASONRY UNITS SHALL CONFORM TO ASTM C90, GRADE N.
- GROUT = 3,000 psi. SLUMP RANGE: 8" TO 11". ROD OR VIBRATE GROUT ADEQUATELY TO ENSURE CONSOLIDATION OF GROUT (NO AIR POCKETS). GROUT SHALL COMPLY WITH ASTM C476-19 AND BE EITHER COARSE OR FINE GROUT.
- MORTAR: TYPE "S" OR TYPE "M" 1800 psi.
- TOP REINFORCING OR TOP OF WALL REINFORCING, IS REQUIRED BY CODES TO PROVIDE A CONTINUOUS TIE AROUND A STRUCTURE AND TO PROVIDE FOR UPLIFT RESISTANCE AT LINTELS.
- ATTACHMENTS TO TOP OF WALL PER ARCHITECTURAL AND/OR

PRODUCT REVISED as complying with the Florida

THE LINTELS SHALL NOT BE USED IN A FIRE RESISTANCE RATED ASSEMBLY UNLESS A TEST REPORT DOCUMENTING FIRE RESISTANCE IS SUBMITTED TO THE BUILDING OFFICIAL

A PROPER BARRIER IS REQUIRED WHEN USING CORROSIVE LUMBER PRODUCTS IN CONTACT WITH THE STEEL LINTELS. A PROPER BARRIER WOULD BE A POLYETHYLENE BARRIER WITH A 10 MIL THICKNESS OR TO MAINTAIN A MIN. 1/4" SPACING BETWEEN THE CORROSIVE LUMBER AND STEEL LINTEL

LOAD TABLE (PSbox8MD-II) CAN BE USED IN THE HVHZ IN MIAMI OR BROWARD COUNTIES.

- ALLOWABLE LOADS SHOWN IN THE TABLES FOR UPLIFT AND LATERAL LOAD CAPACITY INCLUDE A 1/3 INCREASE FOR WIND OR SEISMIC LOADING WITH NO FURTHER INCREASES ALLOWED. TABLE VALUES SHALL BE USED WITH ALTERNATE ALLOWABLE STRESS COMBINATIONS WITH A W OF 1.3. OTHERWISE REDUCE TABLE VALUES FOR ALLOWABLE STRESS COMBINATIONS BY 1/3. IF COMBINED LOADING CONDITIONS ARE APPLIED TO THE LINTELS FOR SIMULTANEOUS LOADING DIRECTIONS. THE ALLOWABLE LOADS SHOWN IN THE TABLES MUST BE ADJUSTED USING A UNITY
- ALL LOADS SHOWN IN TABLES ARE SUPERIMPOSED LOADS. TABLES ARE DATED 4/2024 AND CLEARLY INDICATE SUPERIMPOSED LOADS.
- 5 REINFORCING BAR (GRADE 40) IS TO SET APPROX. 1-1/2" FROM TOP OF ALL LINTEL DESIGNS AND IN SOME CASES THE BOTTOM OF STEEL LINTEL AS SHOWN ON LOAD TABLES. TOP HORIZONTAL REINFORCEMENT IS TO BE A CONTINUOUS TIE AS NOTED IN NOTE #9 IN THE CASE THAT THE LINTEL IS NOT WITHIN A COMPOSITE BOND BEAM SYSTEM, TOP HORIZONTAL REINFORCEMENT IS TO EXTEND 2'-0" PAST INSIDE OF JAMBS.

MANUFACTURER:

POWERS STEEL 4118 E. ELWOOD PHOENIX, AZ 85040 PH# 602-437-1160 FAX# 602-437-5409

TECHNICAL DATA AND ENGINEERING POWERS LINTELS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING:

- - + AISI NORTH AMERICAN SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL

NOTE: THE EDITIONS OF THE REFERENCED CODES AND STANDARDS APPLICABLE TO THE USE OF THIS PRODUCT APPROVAL ARE AS STIPULATED IN THE ACCOMPANYING SEALED LETTER DATED

STRUCTURAL ENGINEER FOR THESE LINTELS IS:

S.E. CONSULTANTS, INC. 5800 F. THOMAS RD. SUITE 104 SCOTTSDALE, AZ 85251 PHONE No. (480) 946-2010 FAX No. (480) 946-1909

INSTALLATION: POWERS LINTELS ARE TO BE INSTALLED IN ACCORDANCE WITH STANDARD CONSTRUCTIONS PRACTICES, SET TO PROPER LINE AND LEVEL, PLUMB AND TRUE, AND IN CORRECT RELATION TO OTHER

LINTELS LOADED SIMULTANEOUSLY WITH VERTICAL (GRAVITY OR UPLIFT) AND HORIZONTAL (LATERAL) LOADS SHOULD BE CHECKED FOR THE COMBINED LOADING WITH THE FOLLOWING EQUATION:

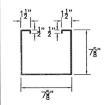
APPLIED VERTICAL LOAD APPLIED HORIZONAL LOAD

SAFE VERTICAL LOAD SAFE HORIZONTAL LOAD

FOR COMPOSITE LINTEL HEIGHTS NOT SHOWN, USE SAFE LOAD FROM NEXT LOWER HEIGHT SHOWN

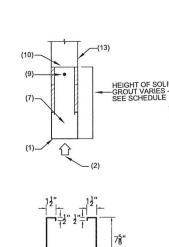
FOR LINTEL LENGTHS NOT SHOWN, USE SAFE LOAD FROM LONGEST

SAFE LOADS ARE SUPERIMPOSED ALLOWABLE LOADS.



PSbox8MD-II STEEL LINTELS

NO SCALE 16 GAGE IS .0598 INCHES THICK. 20 GAGE IS .039 INCHES THICK.



TYPICAL POWER BOX LINTEL SECTION

HEIGHT OF SOLID

OR OUT VARIES

SEE SCHEDULE

STATE OF

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APR 12 APR 1 2 2024

DETAILER DATE APR : GRADE

WIRE

ON

STEEL

POWERS

S.E. CONSULTANTS, Inc.

(602)437-1160

5800 East Thomas Road, Suite 104 Scottsdale, AZ 85251

Fax (602)437-5409