MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
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/building

NOTICE OF ACCEPTANCE (NOA)

Building Performance Americas USA, Inc.
9415 Discovery Terrace #202
Bradenton, FL 34212

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 BNC - 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. BNC 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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: BPA Claw & Strap

APPROVAL DOCUMENT: Drawing No. **SD17-042**, titled "BPA Claw & Strap", sheet 1 through 5 of 5, dated 12/18/2017, prepared by DLG Engineering, Inc., signed and sealed by Wimal Suaris, P.E. on 06/12/2019, bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: A permanent mark with the manufacturer's name, acronym or logo is to be located on each unit. A permanent label with the manufacturer's name or logo, Sarasota, FL, model/series, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on each packaging carton.

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 **renews** and **revises NOA # 11-0222.07** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

07/18/2019

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under NOA # 11-0222.07

A. DRAWINGS

1. Drawing No. **SD10-034**, titled "BPA Claw & Strap", sheet 1 through 5 of 5, dated 02/18/2011, prepared by DLG Engineering, Inc., signed and sealed by Wimal Suaris, P.E.

B. TESTS

1. Test reports on Standard Test Methods for Mechanical Fasteners in Wood (Uplift) per **ASTM D1761** on BPA Claws & Straps, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **6438**, dated 02/03/2011, signed and sealed by Marlin D. Brinson, P.E.

B. CALCULATIONS

1. Testing Calculations for BPA Claw & Strap, prepared by DLG Engineering, Inc., dated 02/18/2011, signed and sealed by Wimal Suaris, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 2007 FBC, issued by DLG Engineering, Inc., dated 02/15/2011, signed and sealed by Wimal Suaris, P.E.
2. Statement letter of no financial interest, issued by DLG Engineering, Inc., dated 02/15/2011, signed and sealed by Wimal Suaris, P.E.

07/18/2019

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 19-0708.11
Expiration Date: July 25, 2024
Approval Date: July 25, 2019

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New evidence submitted

A. DRAWINGS

1. Drawing No. **SD17-042**, titled "BPA Claw & Strap", sheet 1 through 5 of 5, dated 12/18/2017, prepared by DLG Engineering, Inc., signed and sealed by Wimal Suaris, P.E. on 06/12/2019.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 6th edition (2017) FBC issued by DLG Engineering, Inc, dated 12/18/2017, signed and sealed by Wimal Suaris, P.E. on 06/12/2019.
2. Statement letter of no financial interest issued by DLG Engineering, Inc, dated 12/18/2017, signed and sealed by Wimal Suaris, P.E. on 06/12/2019.

07/10/2019

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 19-0708.11
Expiration Date: July 25, 2024
Approval Date: July 25, 2019

BUILDING PERFORMANCE AMERICAS USA INC.
BPA CLAW & STRAP

GENERAL NOTES:

1. BPA CLAW & STRAP SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE SIXTH EDITION (2017) OF THE FLORIDA BUILDING CODE. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE IN ORDER TO VERIFY THAT COMPONENTS AND ANCHORS ON THIS P.A.D., ARE NOT OVER STRESSED. THE BPA CLAW & STRAP ULTIMATE UPLIFT CAPACITY HAS BEEN VERIFIED AS PER FENESTRATION TESTING LABORATORY REPORT # 11-2729, IN ACCORDANCE WITH ASTM D1761-88 (SECTION 41-50).

2. ALL SCREWS MUST BE OF APPROVED CORROSION RESISTANCE (ESPECIALLY RESPECTING COMPATIBILITY WITH THE GALVANIZED STEEL OF THE BPA CLAW & STRAP).

3. IT SHALL BE THE RESPONSIBILITY OF THE RESPONSIBLE DESIGN PROFESSIONAL TO VERIFY FBC COMPLIANCE OF THE STRUCTURE WHERE THE BPA CLAW & STRAP ARE TO BE ATTACHED.

4. BPA CLAW & STRAP INSTALLATION SHALL COMPLY WITH THE SPECIFICATIONS INDICATED IN THIS DRAWING, PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.

5. (A) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT.

   (B) CONTRACTOR TO BE RESPONSIBLE FOR INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.), CONTRACTOR TO CONSULT DESIGN PROFESSIONAL IF THERE IS ANY DEVIATION FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

   (C) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE DESIGNER OF RECORD.

6. THE MOUNTING POSITION OF THE STRAP TO BE AS SHOWN ON THE DETAILS. PLEASE NOTE THAT STRAPS COME IN A RIGHT-HANDED AND LEFT-HANDED CONFIGURATION.

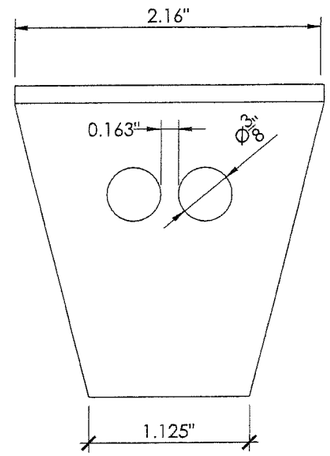
7. BPA CLAW & STRAP MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY AND VISIBLE LOCATION AT THE BPA CLAW.

8. ANY CODE COMPLIANT STRAPS RATED TO AT LEAST 990 LB DESIGN LOAD CAN BE USED WITH THE BPA CLAW.

9. A 1/3 INCREASE IN CAPACITY OF ANCHORS TO ACCOUNT FOR LOAD DURATION FOR WIND LOADING WAS USED FOR WOOD ONLY.

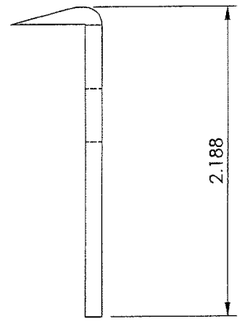
ULTIMATE UPLIFT LOAD CAPACITY OF THE BPA CLAW & STRAP IS 2980 LBS *

* TO OBTAIN THE DESIGN UPLIFT LOAD CAPACITY OF THE ASSEMBLY, A FACTOR OF SAFETY OF NO LESS THAN THREE SHALL BE USED



FRONT VIEW OF CLAW

SCALE 1" = 1'-0"



SIDE VIEW OF CLAW

SCALE 1" = 1'-0"

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 19-0708.11
Expiration Date 07/25/2024
By
Miami–Dade Product Control

WIMAL SUARIS, P.E.
PE# 37369
CA# 28476

JUN 12 2019

REVISIONS

DLG ENGINEERING, INC.
GLAZING CONSULTANTS
5631 SW 67th AVE.
SOUTH MIAMI, FL. 33143
P: 305 665-9089
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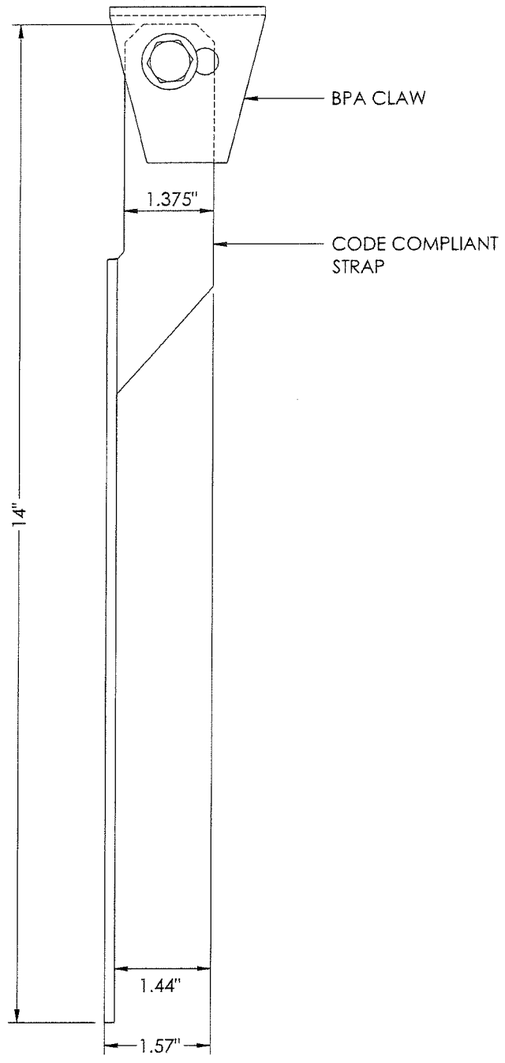
BPA CLAW & STRAP

BUILDING PERFORMANCE AMERICAS USA INC.
9415 DISCOVERY TERRACE, #202
BRADENTON, FL 34212
P: (345) 916 - 4568
F: (345) 945 - 2289

DATE	12 - 18 - 2017
SCALE	1"=1'-0"
DRAWN	JCC / JS
PROJECT	17 - 042

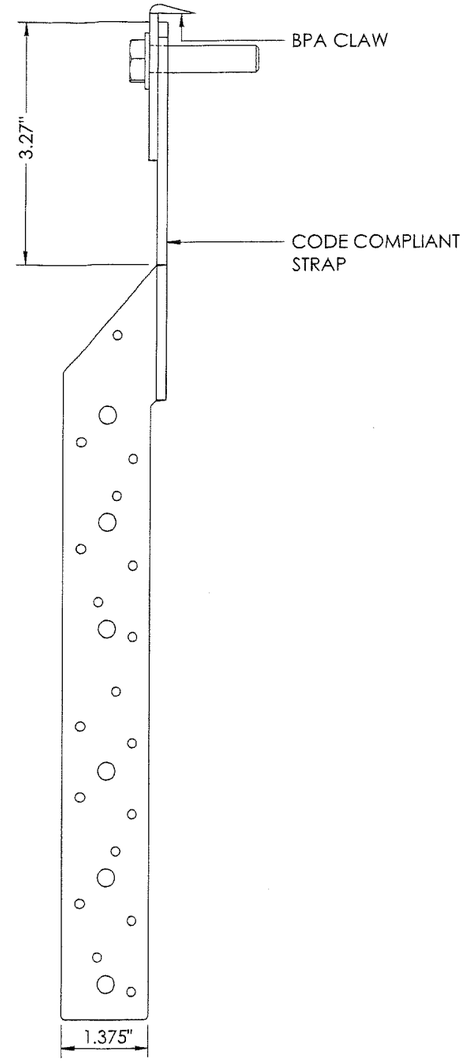
DRAWING NO. SD17 - 042

SHEET 1 OF 5



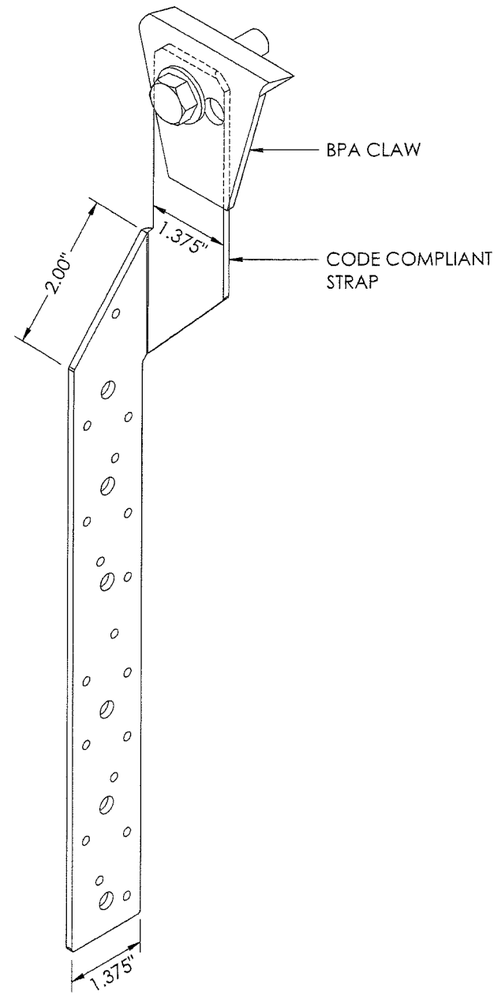
FRONT ELEVATION

SCALE 6' = 1'-0"



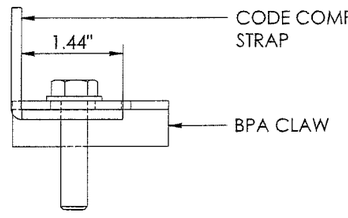
SIDE ELEVATION

SCALE 6' = 1'-0"



ISOMETRIC VIEW

SCALE 6' = 1'-0"



BOTTOM ELEVATION

SCALE 6' = 1'-0"

THE STRAP SHOWN ON THESE DRAWINGS IS RECOMMENDED; HOWEVER, ANY CODE COMPLIANT STRAP CAN BE USED WITH THE BPA CLAW PROVIDED IT COMPLY WITH GENERAL NOTE #8.

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 19-0708.11
Expiration Date 07/25/2024
By
Miami–Dade Product Control

WIMAL SUARIS, P.E.
PE# 37369
CA# 28476

JUN 12 2019

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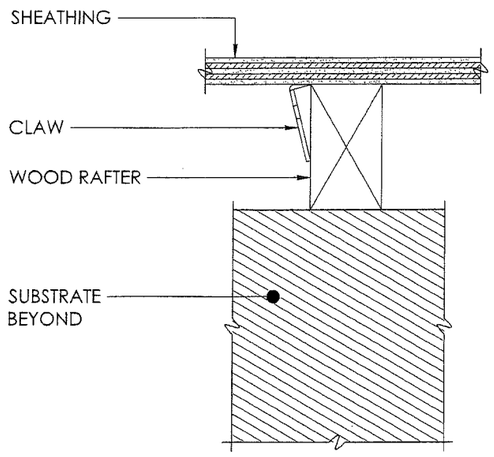
BPA CLAW & STRAP

BUILDING PERFORMANCE AMERICAS USA INC.
9415 DISCOVERY TERRACE, #202
BRADENTON, FL 34212
P: (345) 916 - 4568 F: (345) 945 - 2289

DATE	12 - 18 - 2017
SCALE	6"=1'-0"
DRAWN	JCC / JS
PROJECT	17 - 042

DRAWING NO.
SD17 - 042

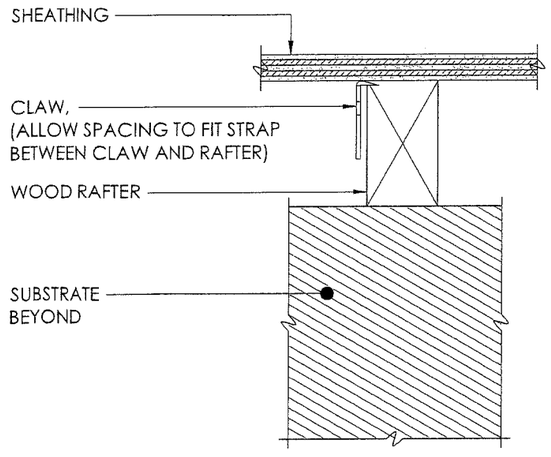
SHEET
2 OF 5



BEFORE BEING HAMMERED IN

BPA CLAW

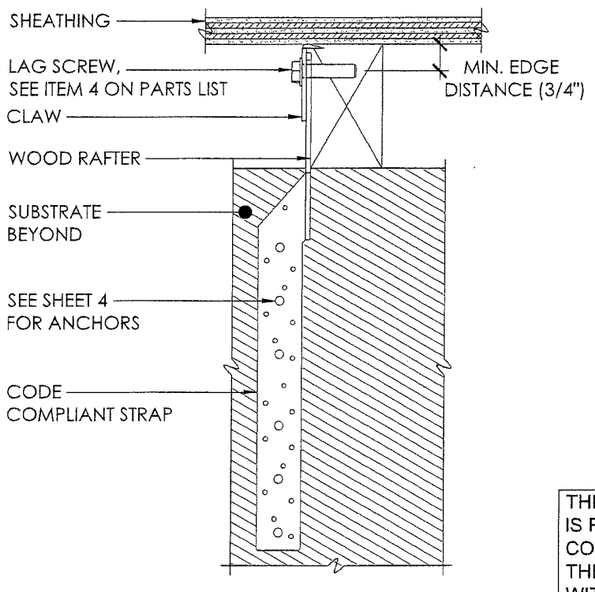
SCALE 3" = 1'-0"



PARTIALLY HAMMERED IN

BPA CLAW

SCALE 3" = 1'-0"



COMPLETE SET-UP

BPA CLAW

SCALE 3" = 1'-0"

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PROJECT	17 - 042

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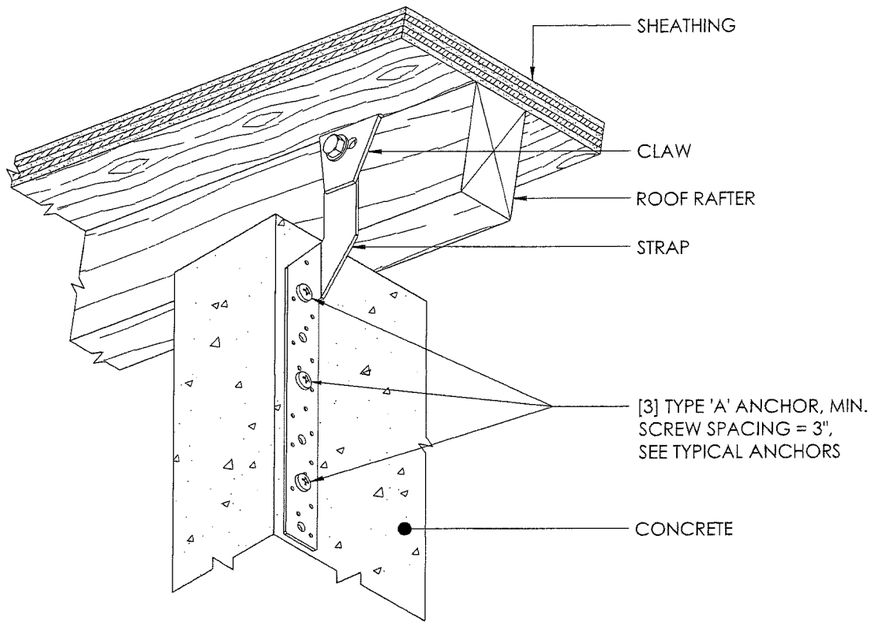
SHEET
3 OF 5



TYPICAL INSTALLATION TO CONCRETE

ISOMETRIC VIEW FROM BELOW

SCALE 3" = 1'-0"

TYPICAL ANCHORS

TYPE 'A' - **1/4" DIAMETER 'HILTI KWIK-CON II+' OR EQUIV.**
DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED INTO CONCRETE

DIRECTLY INTO MASONRY
1-3/4" MIN. EMBED INTO MASONRY

TYPE 'B' - **10d COMMON WIRE NAIL**
DIRECTLY INTO WOOD

TYPICAL EDGE DISTANCE
INTO CONCRETE = 1-1/2" MIN.
INTO MASONRY = 1-1/2" MIN.

CONCRETE f 'c = 2000 PSI
C90 GRADE N HOLLOW BLOCK f 'm = 1500 PSI

* ANCHOR EMBEDMENT SHALL BE BEYOND WALL FINISHES OR STUCCO

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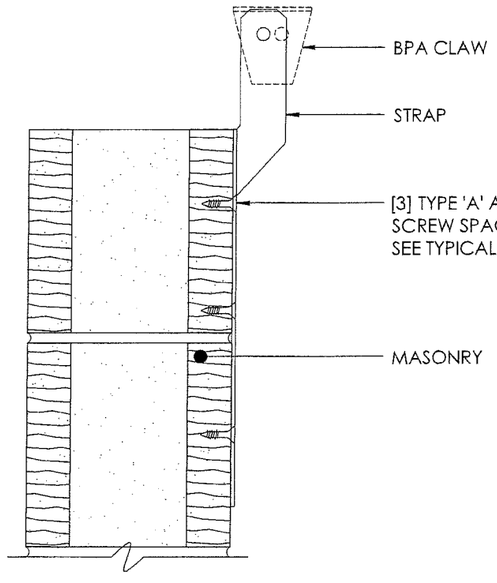
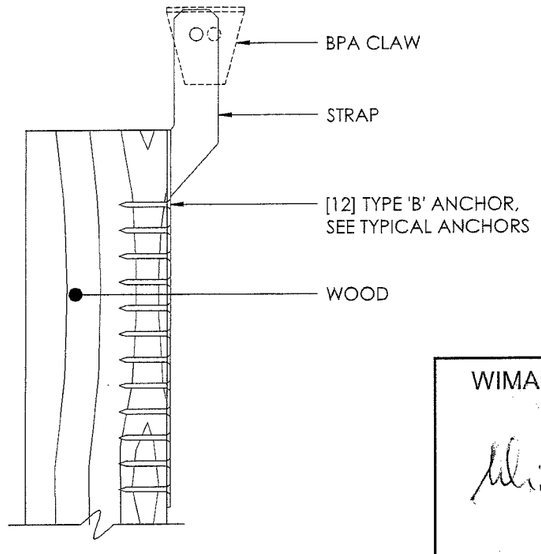


TYPICAL INSTALLATION TO MASONRY

FRONT VIEW

SCALE 3" = 1'-0"



TYPICAL INSTALLATION TO WOOD

FRONT VIEW

SCALE 3" = 1'-0"

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DRAWING NO.
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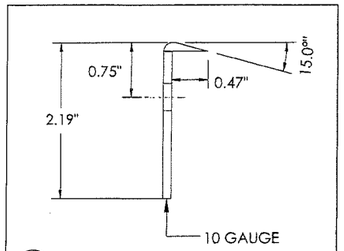
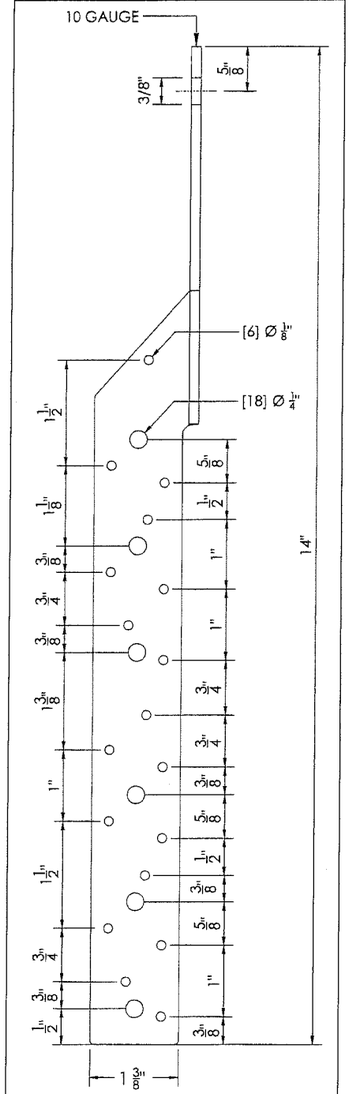
SHEET
4 OF 5



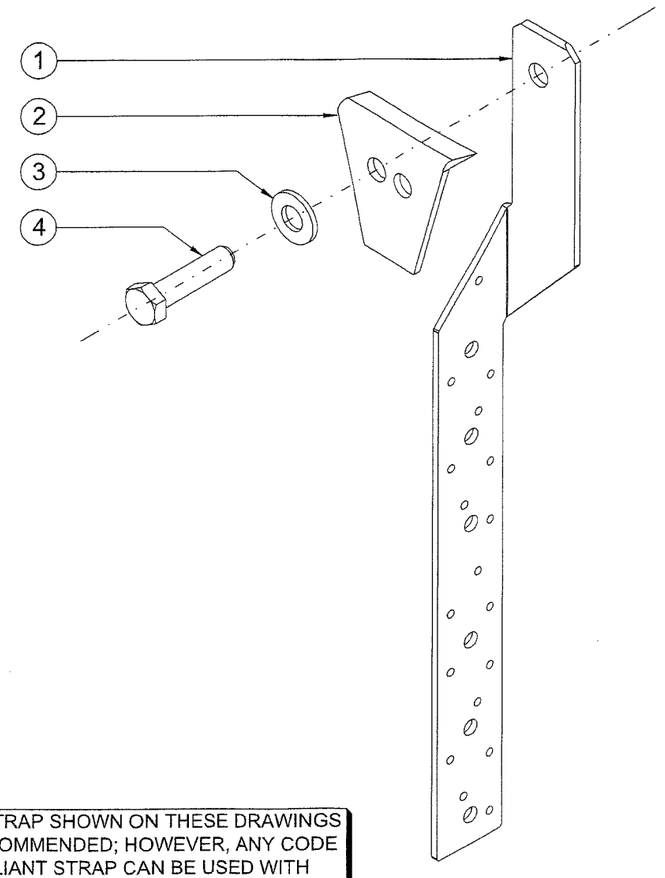
1 CLAW



4 STRAP

PARTS LIST

ITEM	QTY	PART NUMBER	MATERIAL	DESCRIPTION	MANU. / REMARKS
1	1	STRAP	G90 GALV.	CODE COMPLIANT STRAP	10 GAUGE
2	1	CLAW	1050 CARBON STEEL		10 GAUGE
3	1	3/8" I.D. WASHER	ST/ST		
4	1	Ø 3/8" BY 1-1/2" LAG SCREW	ST/ST		
5	3	Ø 1/4" HILTI KWIK-CON II+	ST/ST	SEEN TYPICAL ANCHORS, SHEET 4	OR EQUIVALENT
6	3	Ø 1/4" HILTI KWIK-CON II+	ST/ST	SEE TYPICAL ANCHORS, SHEET 4	OR EQUIVALENT
7	12	10d COMMON WIRE NAILS			



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SHEET
5 OF 5