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COASTAL & INLAND HURRICANE HVAC UNIT BRACKET

COLBY BENNARDO, P.E.
PE# 95197 CA# 9885

FL

FL 47567.1

COLBY BENNARDO

LICENSE

No 95197

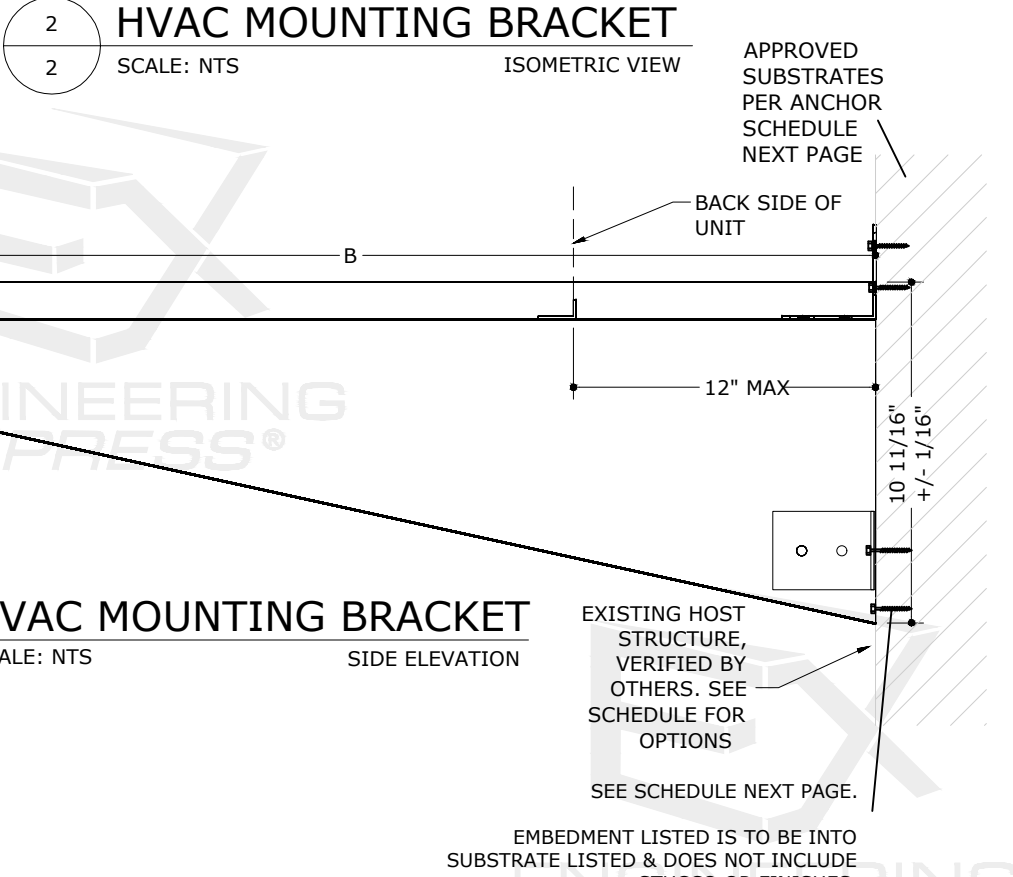
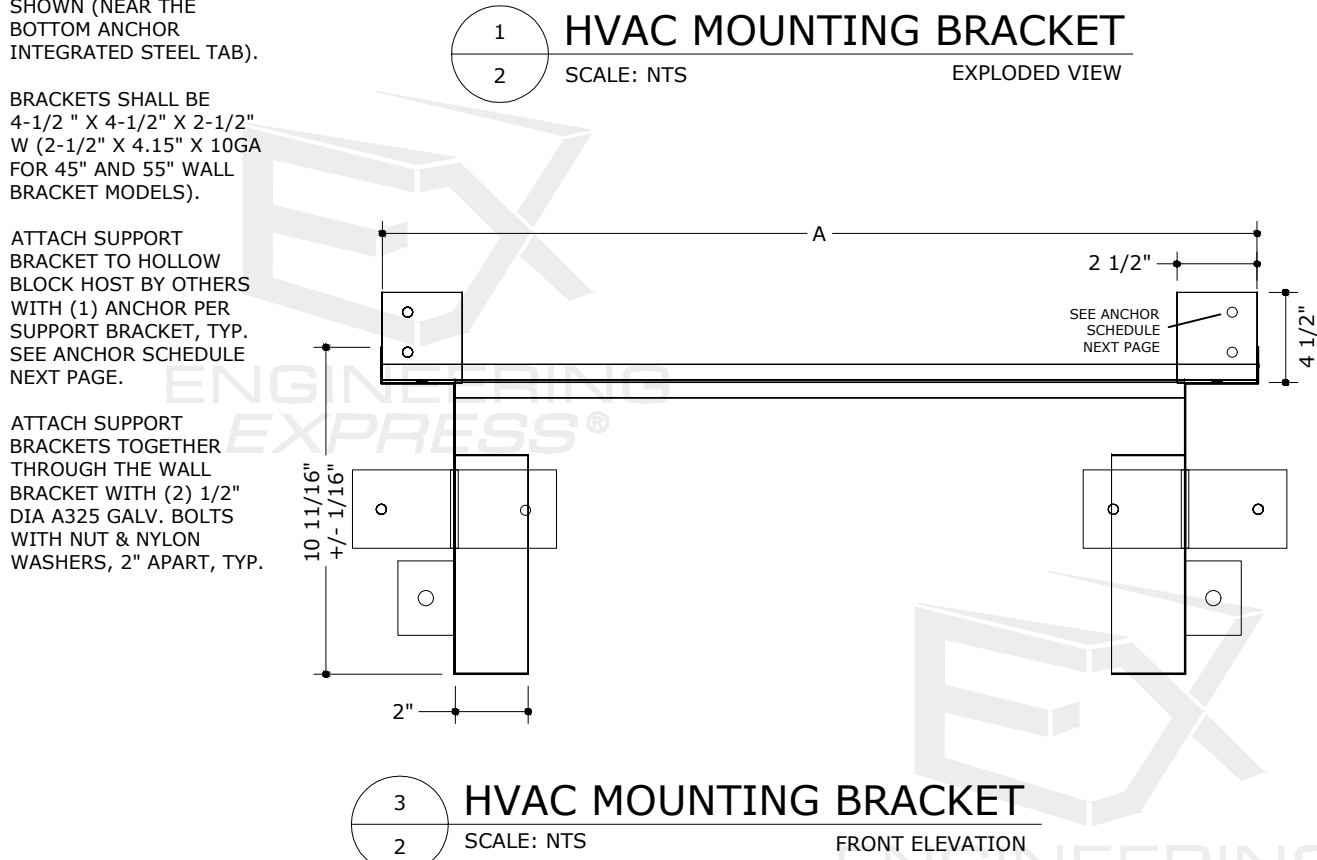
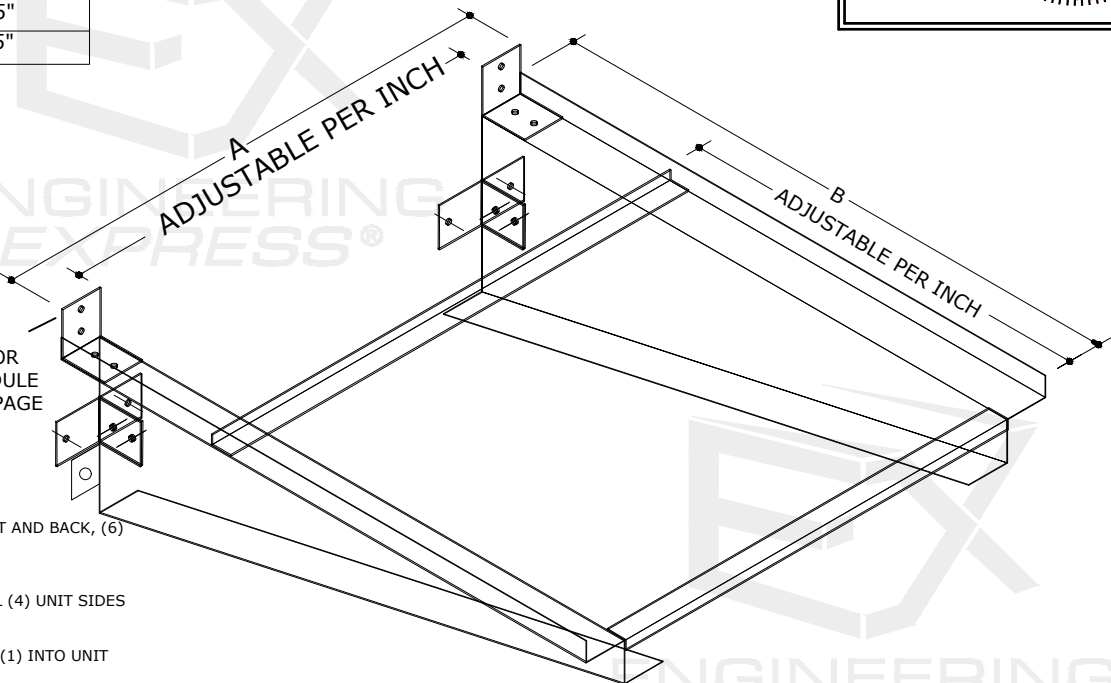
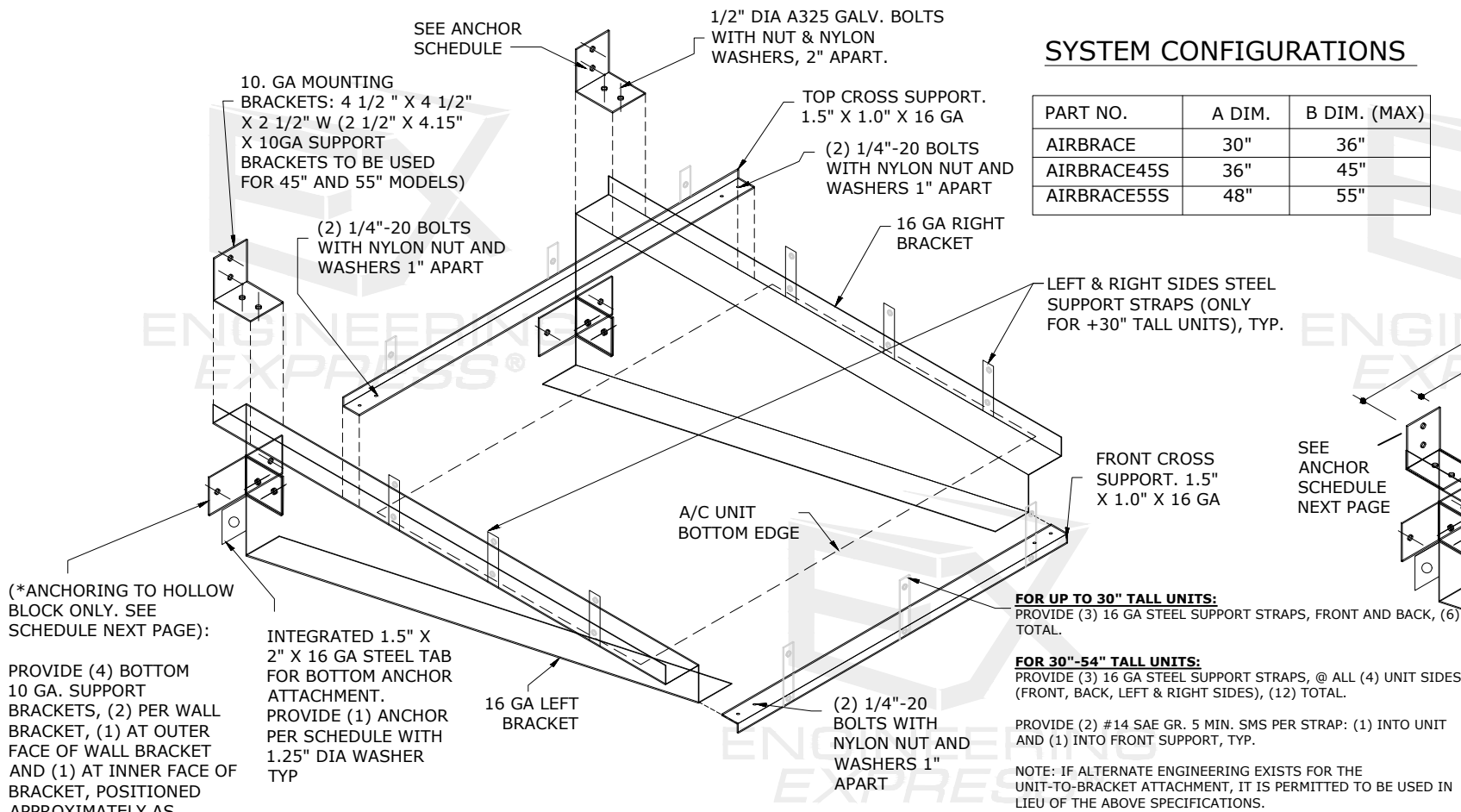
STATE OF FLORIDA

PROFESSIONAL ENGINEER

08/14/2026

FL

AUGUST 10, 2026



DUCTMATE INDUSTRIES

210 FIFTH STREET
CHARLOTTE, NC 28202
1-800-245-3188

COASTAL AND INLAND HURRICANE HVAC UNIT BRACKET
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#47567.1)

REMARKS

INIT ISSUE (23-67540)
REV. (ORDER 21152)
2026 FBC UPDATE (26-100123)

DATE

06/10/25
12/15/25
08/04/26

DRWN

CHKD

EPR

RWN

EPR

RWN

MARH

EPR

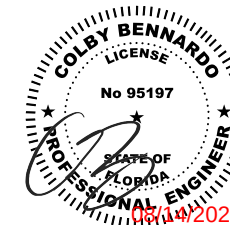
26-100123

SCALE: NTS UNLESS NOTED

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AIRBRACE36S MAXIMUM ALLOWABLE (ASD) WIND PRESSURE, psf

MAX. UNIT DIMENSION [WXDXH], in	ALLOWABLE UNIT NET WEIGHT RANGE, lb	F'M=1.5 KSI MIN., ASTM C90 HOLLOW CONCRETE BLOCK	F'M=1.5KSI MIN., ASTM C90 GROUT-FILLED CONCRETE BLOCK	F'C=3KSI MIN, NORMAL-WEIGHT UNCRAKED CONCRETE	$\frac{1}{8}$ " THICK IMN, ASTM A36 MIN. GALV. STEEL	G=0.55 MIN. WOOD
26X26X26	50 - 250	± 40	± 65	± 65	± 65	± 65
30x30x30		± 40	± 65	± 65	± 65	± 65
30x30x36		± 40	± 65	± 65	± 65	± 65
30x30x42		± 40	± 65	± 65	± 65	± 65
28x26x30		± 40	± 65	± 65	± 65	± 65
28x26x36		± 40	± 65	± 65	± 65	± 65
28x26x42		± 40	± 65	± 65	± 65	± 65

AIRBRACE45S MAXIMUM ALLOWABLE (ASD) WIND PRESSURE, psf

MAX. UNIT DIMENSION [WXDXH], in	ALLOWABLE UNIT NET WEIGHT RANGE, lb	F'M=1.5 KSI MIN., ASTM C90 HOLLOW CONCRETE BLOCK	F'M=1.5KSI MIN., ASTM C90 GROUT-FILLED CONCRETE BLOCK	F'C=3KSI MIN, NORMAL-WEIGHT UNCRACKED CONCRETE	$\frac{1}{8}$ " THICK IMN, ASTM A36 MIN. GALV. STEEL	G=0.55 MIN. WOOD
36x36x30	50 - 300 (FOR HOLLOW CMU)	± 40	± 65	± 65	± 65	± 65
36x36x36		± 40	± 65	± 65	± 65	± 65
36x36x42		± 35	± 65	± 65	± 65	± 65
36x36x54		± 35	± 65	± 65	± 65	± 65
37x34x30	50 - 375 (FOR OTHER HOST MATERIAL OPTIONS)	± 40	± 65	± 65	± 65	± 65
37x34x36		± 40	± 65	± 65	± 65	± 65
37x34x42		± 35	± 65	± 65	± 65	± 65
37x34x54		± 35	± 65	± 65	± 65	± 65

AIRBRACE55S MAXIMUM ALLOWABLE (ASD) WIND PRESSURE, psf

MAX. UNIT DIMENSION [WXDXH], in	ALLOWABLE UNIT NET WEIGHT RANGE, lb	F'M=1.5 KSI MIN., ASTM C90 HOLLOW CONCRETE BLOCK	F'M=1.5KSI MIN., ASTM C90 GROUT-FILLED CONCRETE BLOCK	F'C=3KSI MIN, NORMAL-WEIGHT UNCRACKED CONCRETE	$\frac{1}{8}$ " THICK IMN, ASTM A36 MIN. GALV. STEEL	G=0.55 MIN. WOOD
48x48x30	50 - 300 (FOR HOLLOW CMU)	± 35	± 65	± 65	± 65	± 65
48x48x36		± 35	± 65	± 65	± 65	± 65
48x48x42		± 35	± 65	± 65	± 65	± 65
48x48x48		± 35	± 65	± 65	± 65	± 65
48x48x54		± 35	± 65	± 65	± 65	± 65
46x43x30	50 - 425 (FOR OTHER HOST MATERIAL OPTIONS)	± 35	± 65	± 65	± 65	± 65
46x43x36		± 35	± 65	± 65	± 65	± 65
46x43x42		± 35	± 65	± 65	± 65	± 65
46x43x48		± 35	± 65	± 65	± 65	± 65
46x43x54		± 35	± 65	± 65	± 65	± 65

1. HOLLOW BLOCK: PROVIDE (5) ANCHORS PER WALL BRACKET: (2) AT THE TOP SUPPORT BRACKET, (2) AT THE BOTTOM SUPPORT BRACKETS, AND (1) AT THE BOTTOM INTEGRATED TAB. HOLLOW BLOCK ANCHORS SHALL BE: 5/16" Ø DEWALT ULTRACON SCREW ANCHORS WITH 1-1/4" EMBED., 1-7/8" MIN. SPACING, AND 3-1/8" MIN. EDGE DIST. TO ANY EDGE/END OF THE HOLLOW BLOCK HOST STRUCTURE.
2. GROUT-FILLED CONCRETE BLOCK: PROVIDE (2) ANCHORS PER WALL BRACKET: (1) AT THE TOP SUPPORT BRACKET, AND (1) AT THE BOTTOM INTEGRATED TAB. ANCHORS SHALL BE: 1/2" Ø DEWALT SCREW-BOLT+ WITH 4" EMBED AND 12" MIN. EDGE DIST., TYP.
3. CONCRETE: PROVIDE (2) ANCHORS PER WALL BRACKET: (1) AT THE TOP SUPPORT BRACKET, AND (1) AT THE BOTTOM INTEGRATED TAB. ANCHORS SHALL BE: 1/2" Ø DEWALT SCREW-BOLT+ WITH 3.5" EMBED AND 8" MIN. EDGE DIST., TYP.
4. STEEL: PROVIDE (3) ANCHORS PER WALL BRACKET: (2) AT THE TOP SUPPORT BRACKET, AND (1) AT THE BOTTOM INTEGRATED TAB. ANCHORS SHALL BE 1/2" Ø SAE GR 5 UNC BOLTS.
5. WOOD: PROVIDE (3) ANCHORS PER WALL BRACKET: (2) AT THE TOP SUPPORT BRACKET, AND (1) AT THE BOTTOM INTEGRATED TAB. ANCHORS SHALL BE 1/2" Ø LAG SCREWS WITH 2.5" MIN. THREAD PENETRATION & 3" MIN. EDGE DIST., TYP.

EMBED. SHALL BE THE FULL EMBEDMENT INTO THE HOLLOW BLOCK; EMBEDMENT DEPTH DOES NOT INCLUDE THICKNESS OF ANY WOOD BUCKS, STUCCO, OR FINISHES. HOST STRUCTURE INTEGRITY SHALL BE BY OTHERS. SEE SCHEDULE FOR HOST STRUCTURE MINIMUM SPECIFICATIONS. TYP.

THIS MOUNTING BRACKET SYSTEM IS CERTIFIED ONLY FOR ATTACHMENTS TO THE SIDE OF BUILDINGS, NOT FOR ROOFTOP CONDITIONS OR INSTALLATIONS. THIS PRODUCT IS NOT APPROVED FOR MISSILE IMPACT UNDER ANY CIRCUMSTANCE.

FL 47567.1

EX ENGINEERING EXPERIENCE

POSTAL ADDRESS:
2234 NORTH FEDERAL HWY # 7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

DUCTMATE INDUSTRIES

210 FIFTH STREET
CHARLOTTE, PA 15022

CHALKLEIGH, PA 15022
1-800-245-3188
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FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#47567.1)

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26-100123

SCALE: NTS UNLESS NOTED

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